

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062221\
 Data File : VL037242.D
 Acq On : 23 Jun 2021 11:58
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 6/24/2021 4:34:20 PM

Quant Time: Jun 24 05:32:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 1
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1530013	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	4499863	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	4347614m	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	3222910	9.78	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	2418050	9.087	ppbv 97
3) Chlorodifluoromethane	2.98	51	2537024	8.528	ppbv 99
4) Chloromethane	3.13	50	804354	8.112	ppbv 97
5) Vinyl Chloride	3.25	62	897310	8.234	ppbv 97
6) Bromomethane	3.46	94	492421	7.575	ppbv 100
7) Chloroethane	3.55	64	328560	8.435	ppbv 99
8) Dichlorotetrafluoroethane	3.18	85	2277182	8.342	ppbv 98
9) Propene	3.00	41	753002	7.916	ppbv 100
10) Heptane	8.11	43	1981350	8.600	ppbv 99
11) Trichlorofluoromethane	3.94	101	2343021	8.252	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1712369	8.556	ppbv 100
13) Ethanol	3.60	45	110610m	7.517	ppbv
14) Bromoethene	3.73	108	695984	8.332	ppbv 98
15) Acetone	3.84	43	1210024	7.013	ppbv 98
16) 1,3-Butadiene	3.32	39	925985	9.078	ppbv 93
17) tert-Butyl alcohol	4.28	59	1313506	8.237	ppbv 99
18) 1,1-Dichloroethene	4.28	96	765147	8.627	ppbv 97
19) Isopropyl Alcohol	3.96	45	783945	7.502	ppbv 99
20) Methylene Chloride	4.33	84	640386	6.200	ppbv 96
21) Allyl Chloride	4.40	41	1011197	7.775	ppbv 97
22) trans-1,2-Dichloroethene	4.87	96	743339	8.470	ppbv 97
23) Vinyl Acetate	5.06	43	2081980	8.416	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1557456	7.819	ppbv 99
25) Ethyl Acetate	5.66	43	2997100	8.024	ppbv 99
26) Hexane	5.67	57	1467078	7.771	ppbv 98
27) Carbon Disulfide	4.54	76	1691988	9.148	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	1597955	7.041	ppbv 99
29) Chloroform	5.74	83	2446043	8.388	ppbv 97
30) Cyclohexane	7.11	84	1287687	8.186	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1474525	8.500	ppbv 97
32) 1,1,1-Trichloroethane	6.50	97	2520834	8.078	ppbv 100
34) 2-Butanone	5.23	43	1395777	7.976	ppbv 100
35) Carbon Tetrachloride	7.01	117	2667327	8.838	ppbv 99
36) Benzene	6.88	78	3072175	8.443	ppbv 98
37) 1,2-Dichloroethane	6.29	62	1854216	8.772	ppbv 99
38) Trichloroethene	7.82	130	1347982	7.793	ppbv 99
39) 1,2-Dichloropropane	7.60	63	1191674	8.813	ppbv 97
40) 1,4-Dioxane	7.82	88	308959	8.333	ppbv 83
41) Tetrahydrofuran	6.04	42	657609	8.090	ppbv 98
42) Bromodichloromethane	7.78	83	2604780	8.932	ppbv 98
43) Methyl Methacrylate	8.00	69	1165627	9.276	ppbv 97

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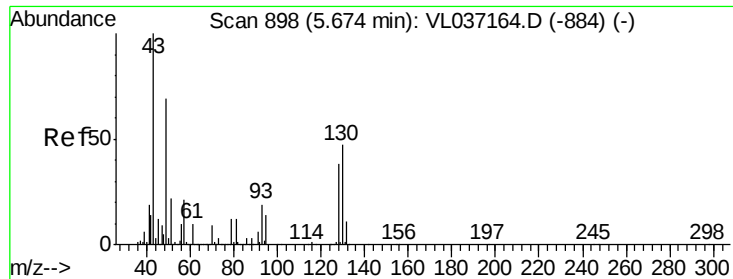
Manual Integrations
 APPROVED

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 6/24/2021 4:34:20 PM

Quant Time: Jun 24 05:32:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 1
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5090642	8.308	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	792518	7.148	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1096748	7.231	ppbv	97
47) 1,1,2-Trichloroethane	9.46	97	1336706	8.665	ppbv	99
48) Dibromochloromethane	10.29	129	2351808	9.658	ppbv	100
49) Bromoform	13.02	173	1995961	11.002	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2096052	8.720	ppbv	100
51) 2-Hexanone	10.12	43	1086336	9.289	ppbv	99
52) Tetrachloroethene	11.21	164	1294085	7.654	ppbv	98
53) Toluene	9.79	91	3695378	8.502	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1959182	8.837	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1677545	8.825	ppbv #	57
57) Chlorobenzene	12.13	112	2910959	8.256	ppbv	97
58) Ethyl Benzene	12.70	91	5057821	8.451	ppbv	100
59) m/p-Xylene	12.98	91	8637428m	17.030	ppbv	
60) o-Xylene	13.68	91	4086059	8.461	ppbv	100
61) Styrene	13.51	104	2225818	8.930	ppbv	98
62) Isopropylbenzene	14.65	105	5872626	8.551	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2854340	8.876	ppbv	100
64) n-propylbenzene	15.55	120	1582572	9.202	ppbv	98
65) tert-Butylbenzene	16.73	119	5339495	8.766	ppbv	99
66) Benzyl Chloride	16.97	91	95630	3.705	ppbv #	87
67) sec-Butylbenzene	17.28	105	7162981	8.819	ppbv	99
69) p-Isopropyltoluene	17.64	119	6190896	9.024	ppbv	99
70) n-Butylbenzene	18.54	91	5870618	9.246	ppbv	99
71) 2-Chlorotoluene	15.44	91	4348183	9.056	ppbv	99
72) 4-Ethyltoluene	15.82	105	4963808	9.047	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4483249	8.454	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	4763935	8.718	ppbv	99
75) 1,3-Dichlorobenzene	16.98	146	2983783	8.981	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2873736	8.660	ppbv	100
77) 1,2-Dichlorobenzene	17.80	146	2913865	9.066	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1995161	7.220	ppbv	100
79) Naphthalene	22.17	128	3731808	8.191	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	882647	7.387	ppbv	93
81) 1,2,4-Trichlorobenzene	21.91	180	2178384	8.286	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.02 min

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MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1530013

Ion Ratio Lower Upper

49 100

128 58.2 29.3 88.0

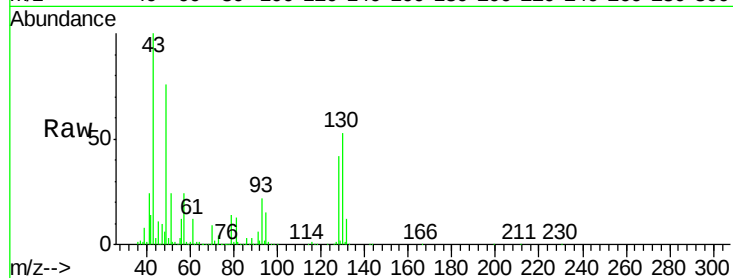
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Manual Integrations

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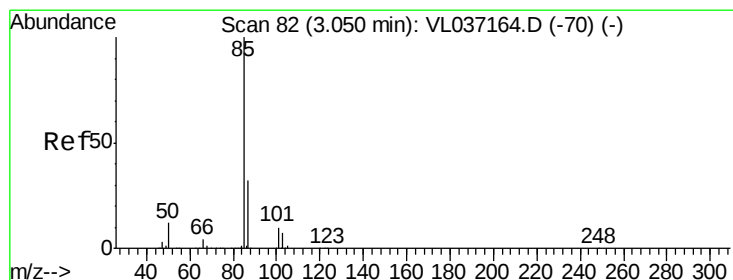
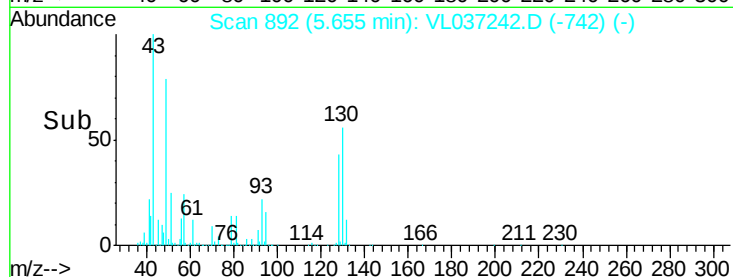
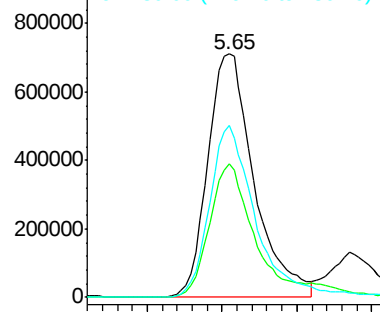
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 9.087 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL037242.D

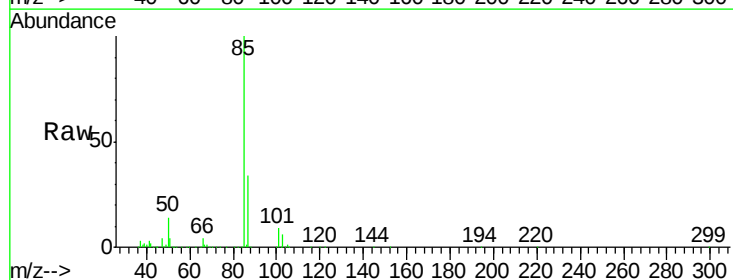
Acq: 23 Jun 2021 11:58

Tgt Ion: 85 Resp: 2418050

Ion Ratio Lower Upper

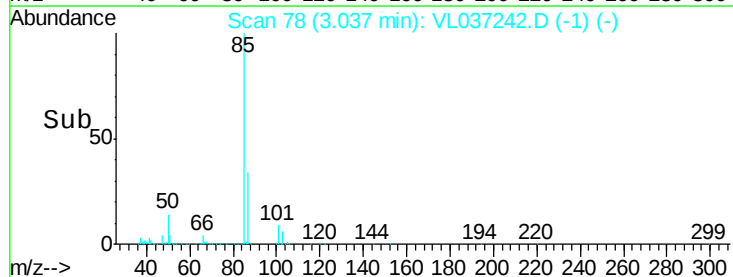
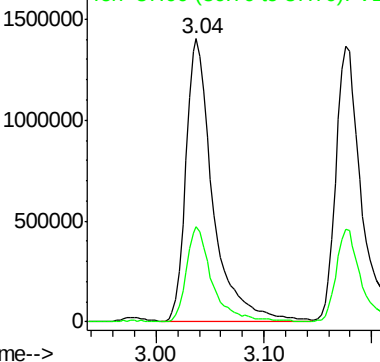
85 100

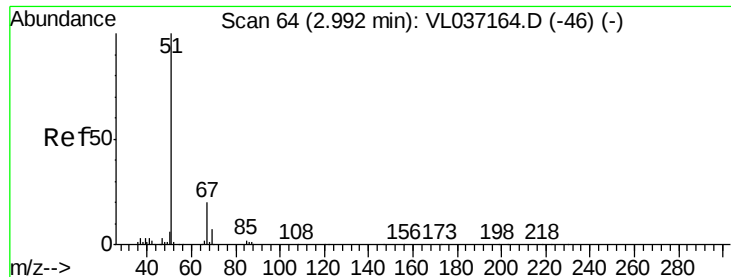
87 33.7 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.528 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Tot Ion: 51 Resp: 2537024

Ion Ratio Lower Upper

51 100

67 20.1 15.8 23.6

Instrument :

MSVOA_L

ClientSampleId :

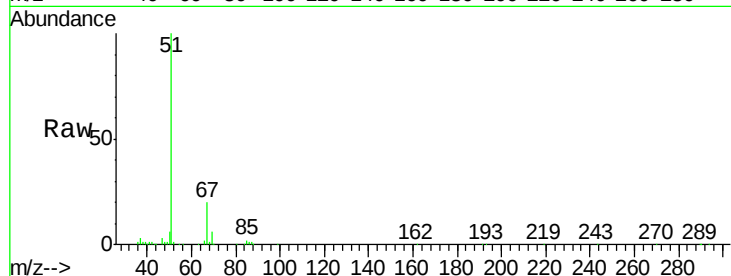
VSTDCCC010EC

Manual Integrations

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

1500000

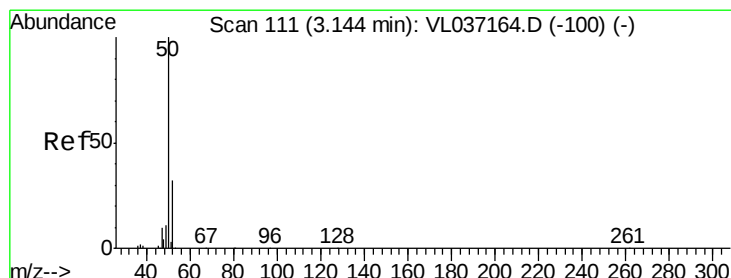
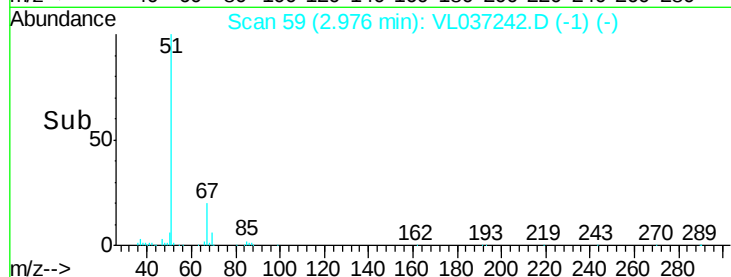
1000000

500000

0

2.90 3.00 3.10

Time-->



#4

Chloromethane

Concen: 8.112 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL037242.D

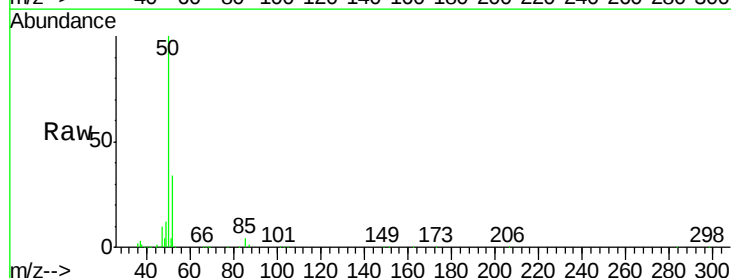
Acq: 23 Jun 2021 11:58

Tgt Ion: 50 Resp: 804354

Ion Ratio Lower Upper

50 100

52 34.3 25.8 38.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

500000

400000

300000

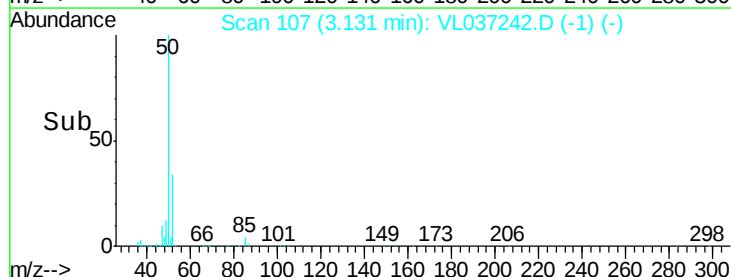
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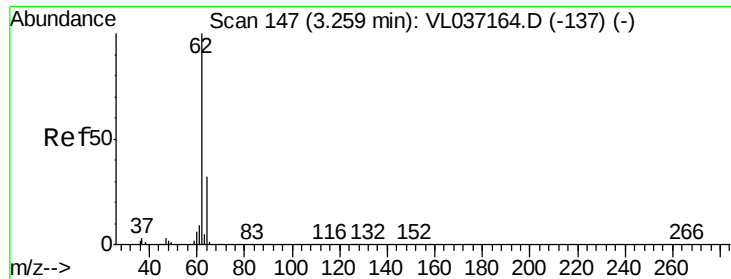
100000

0

3.10 3.15

Time-->





#5

Vinyl Chloride

Concen: 8.234 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 897310

Ion Ratio Lower Upper

62 100

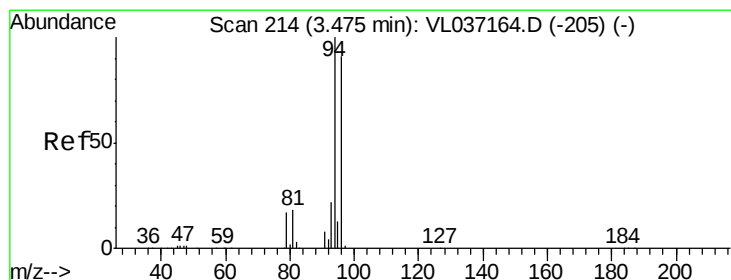
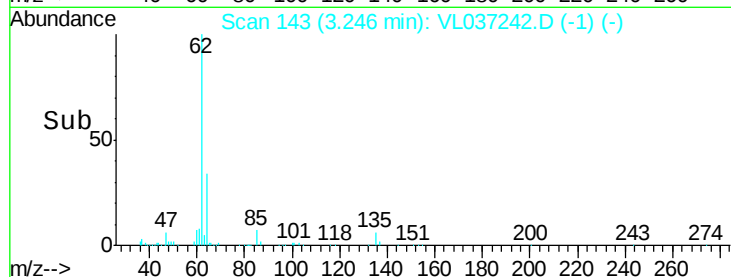
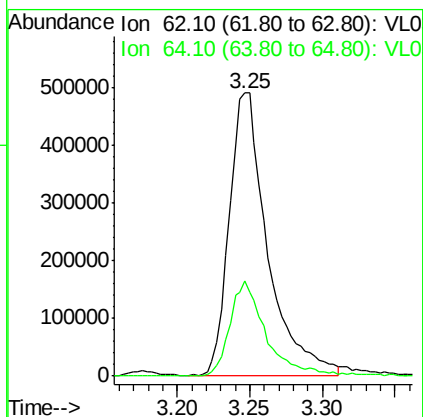
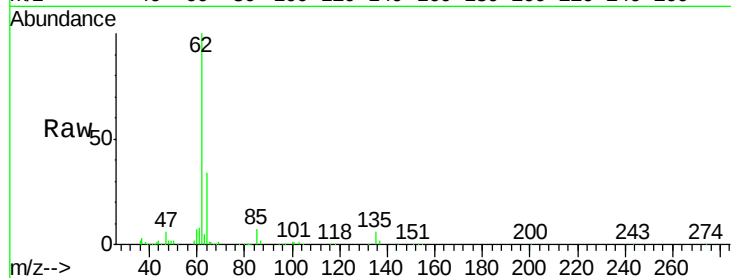
64 33.9 25.6 38.4

Manual Integrations

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#6

Bromomethane

Concen: 7.575 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL037242.D

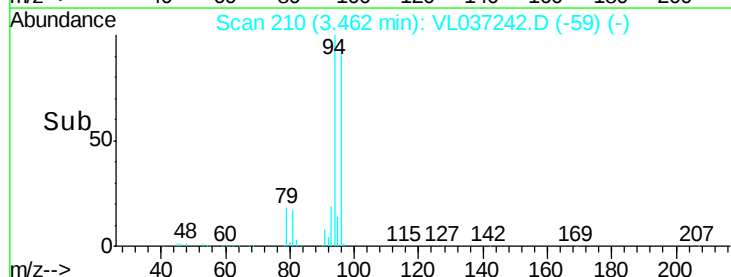
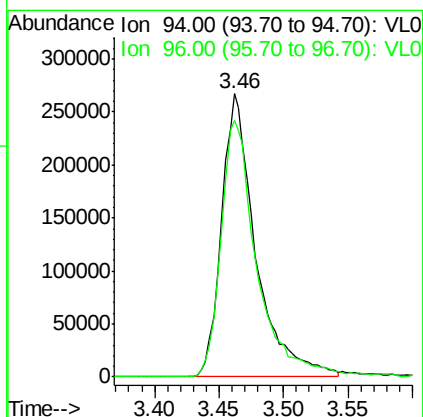
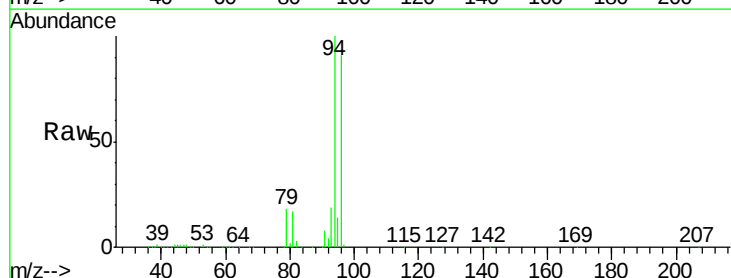
Acq: 23 Jun 2021 11:58

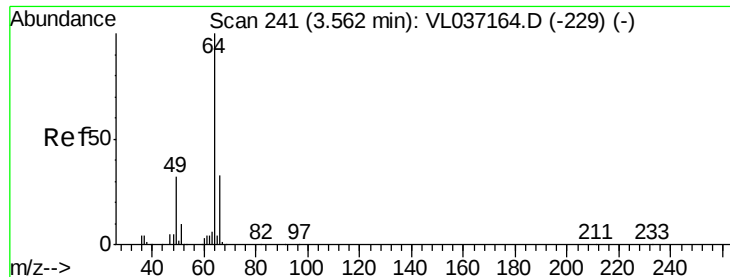
Tgt Ion: 94 Resp: 492421

Ion Ratio Lower Upper

94 100

96 90.6 72.6 108.8





#7

Chloroethane

Concen: 8.435 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.01 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 328560

Ion Ratio Lower Upper

64 100

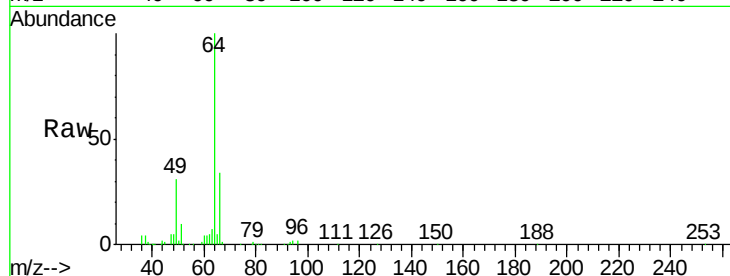
66 33.6 26.2 39.4

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

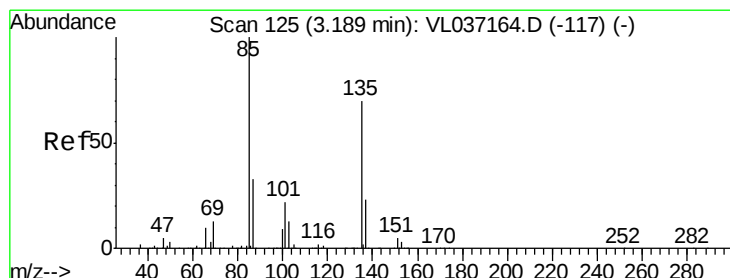
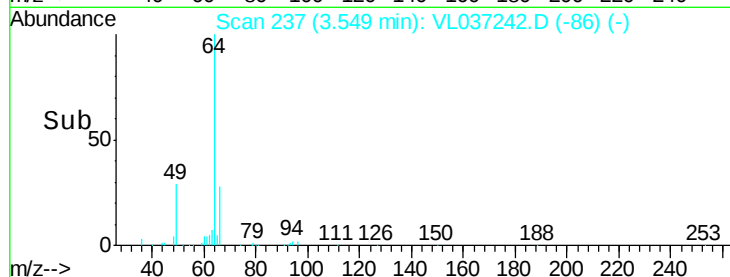
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.342 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL037242.D

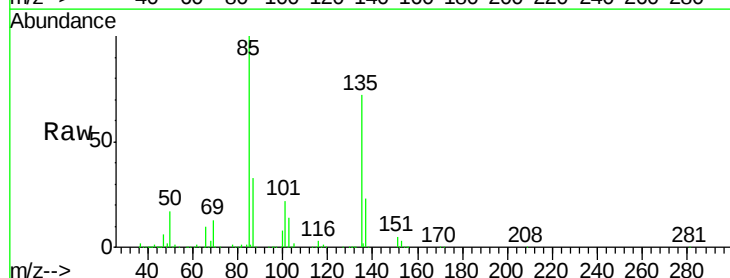
Acq: 23 Jun 2021 11:58

Tgt Ion: 85 Resp: 2277182

Ion Ratio Lower Upper

85 100

135 73.6 60.4 90.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

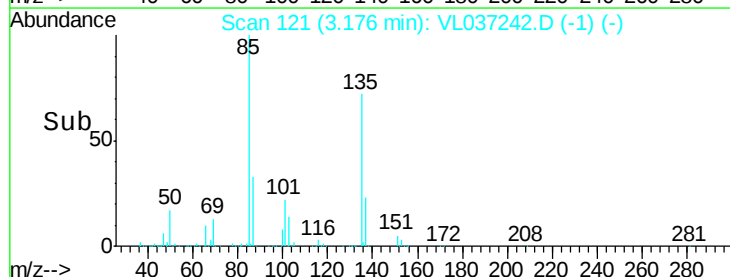
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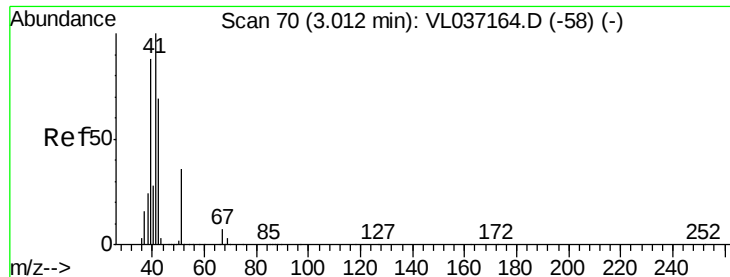
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Time-->





#9

Propene

Concen: 7.916 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 753002

Ion Ratio Lower Upper

41 100

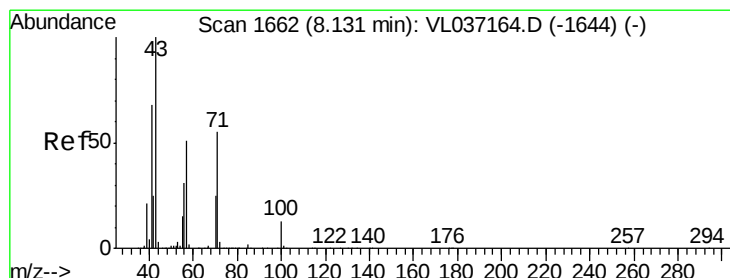
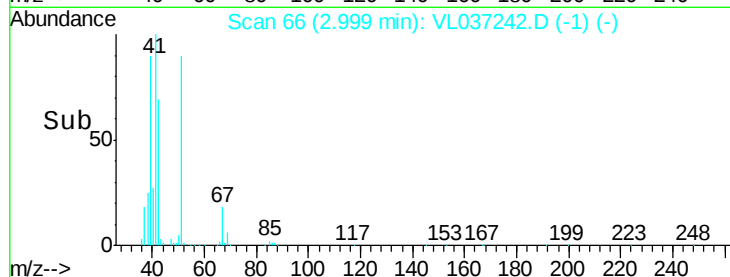
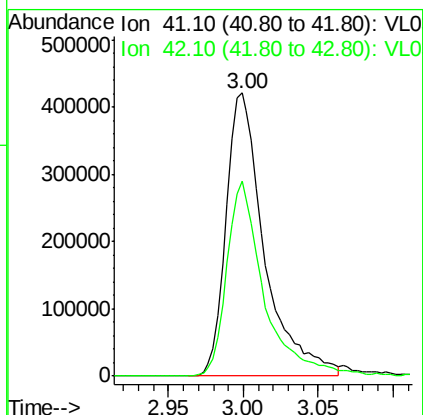
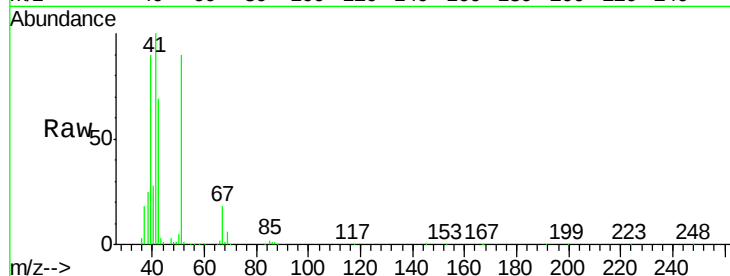
42 67.8 54.5 81.7

Manual Integrations

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#10

Heptane

Concen: 8.600 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. -0.02 min

Lab File: VL037242.D

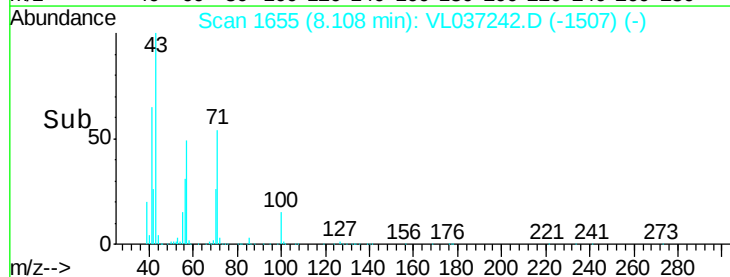
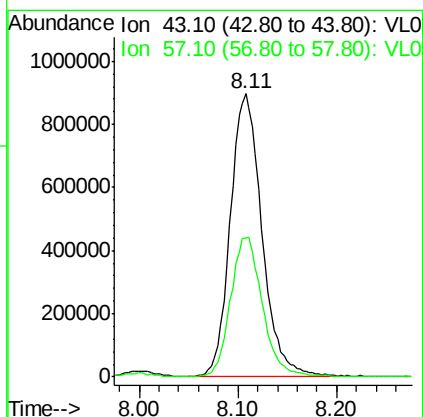
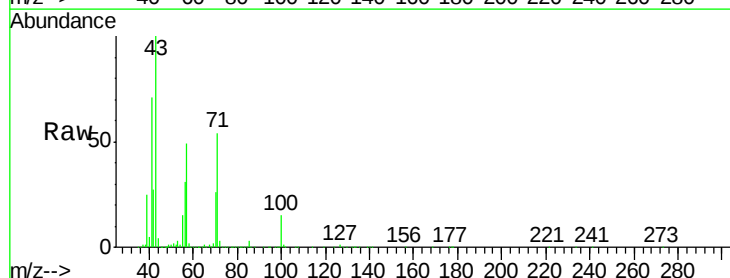
Acq: 23 Jun 2021 11:58

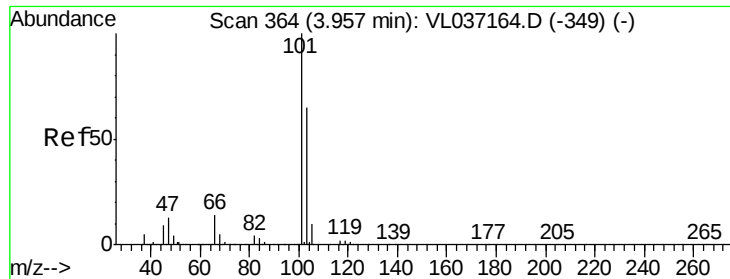
Tgt Ion: 43 Resp: 1981350

Ion Ratio Lower Upper

43 100

57 50.4 40.6 61.0





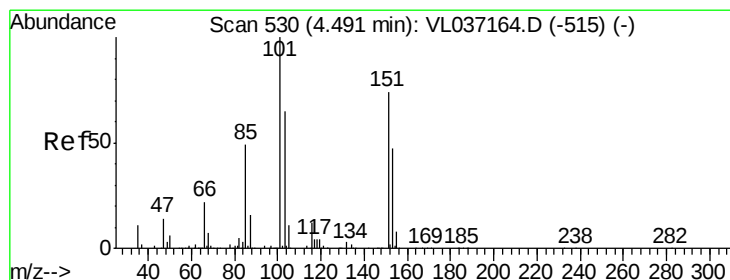
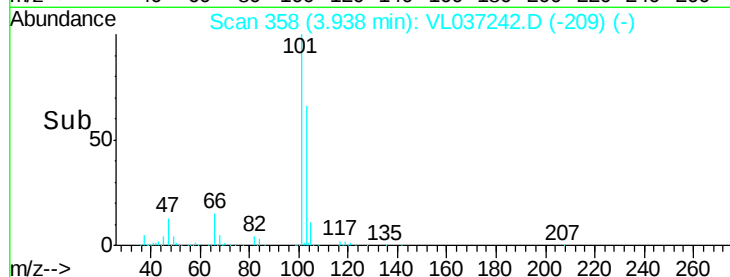
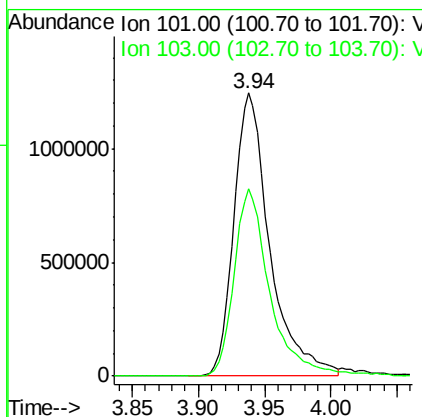
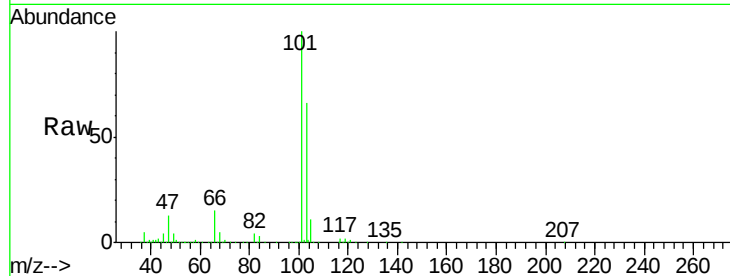
#11
 Trichlorofluoromethane
 Concen: 8.252 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.02 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 2343021
 Ion Ratio Lower Upper
 101 100
 103 66.3 52.2 78.4

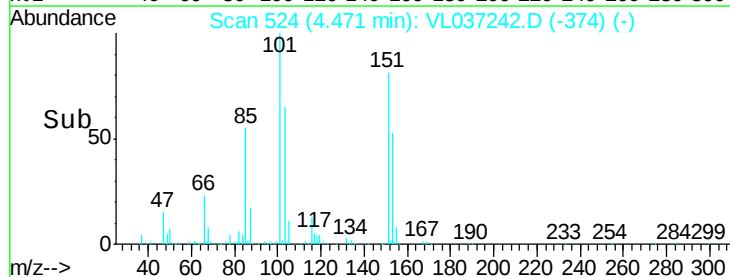
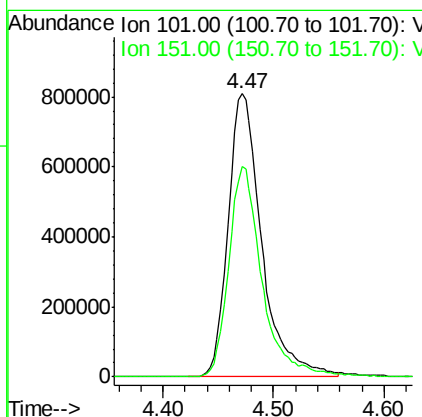
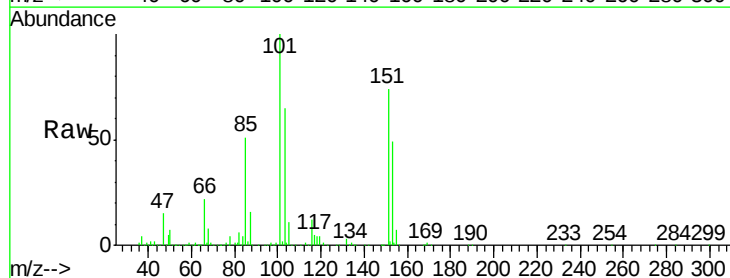
Manual Integrations
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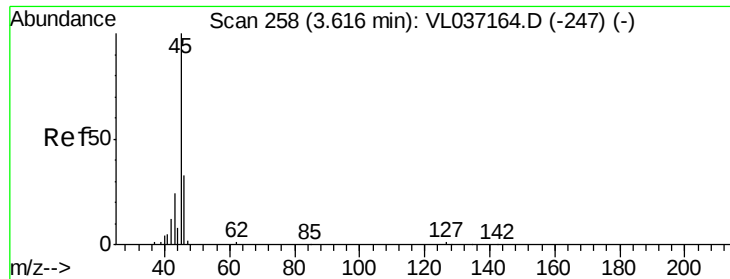
MMDadoda
 6/24/2021 4:34:20 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.556 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. -0.02 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

Tgt Ion:101 Resp: 1712369
 Ion Ratio Lower Upper
 101 100
 151 73.8 59.1 88.7





#13

Ethanol

Concen: 7.517 ppbv m

RT: 3.60 min Scan# 253

Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 110610

Ion Ratio Lower Upper

45 100

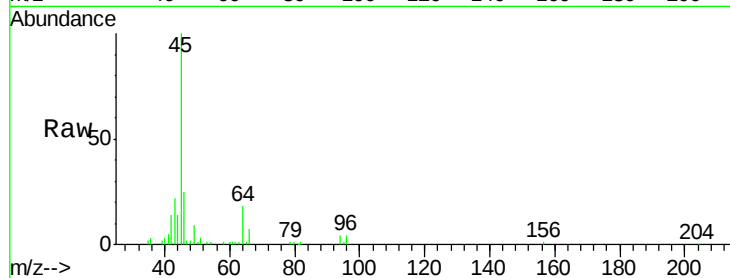
46 38.8 34.2 137.0

Manual Integrations

APPROVED

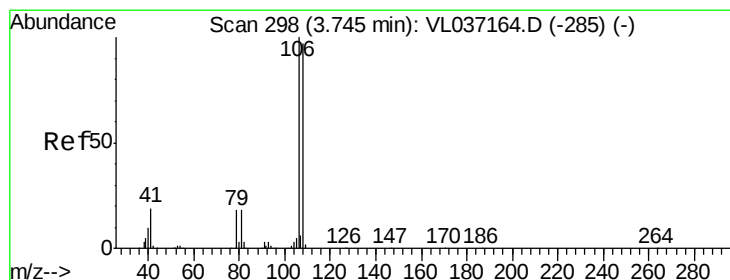
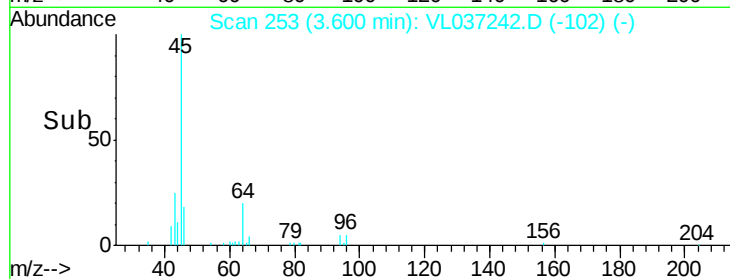
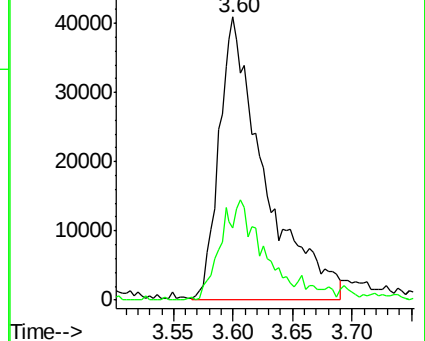
MMDadoda

6/24/2021 4:34:20 PM



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 8.332 ppbv

RT: 3.73 min Scan# 293

Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

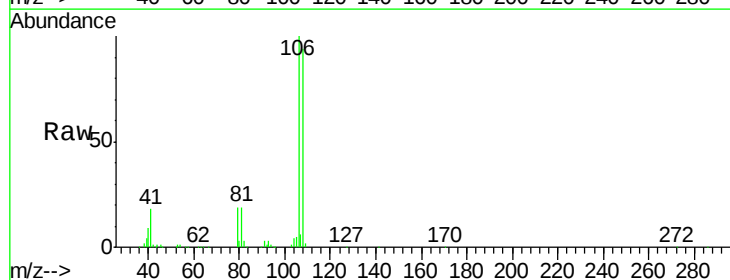
Tgt Ion: 108 Resp: 695984

Ion Ratio Lower Upper

108 100

106 110.3 86.8 130.2

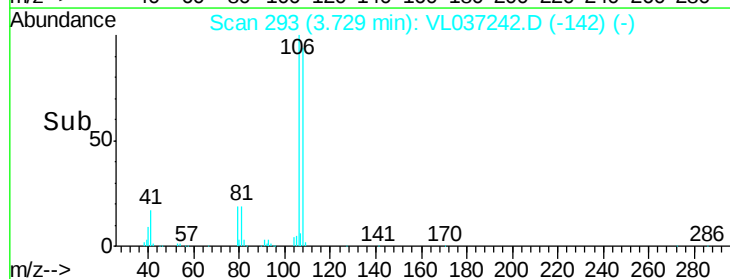
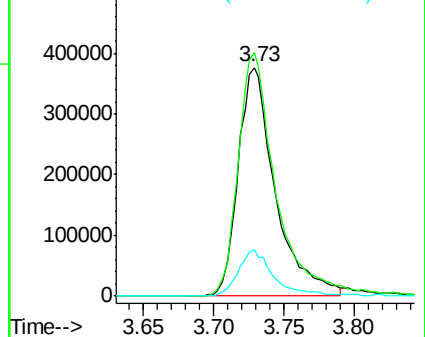
79 20.2 15.6 23.4

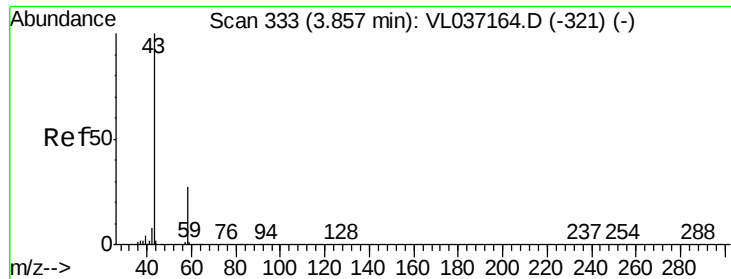


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





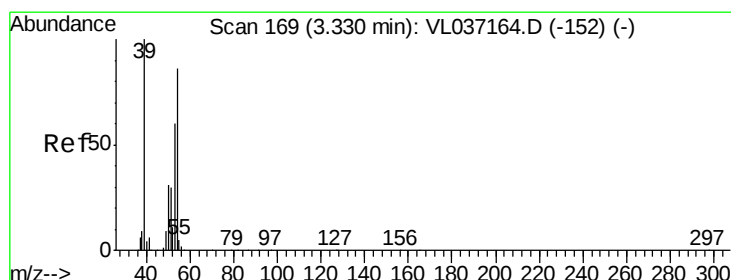
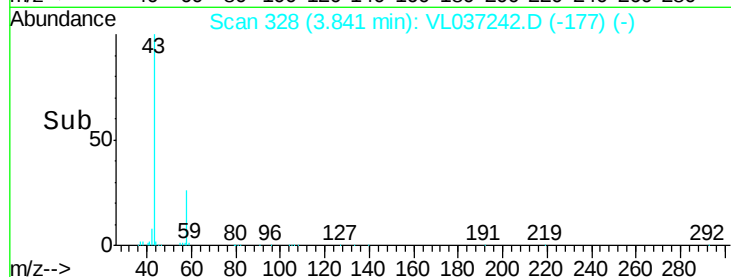
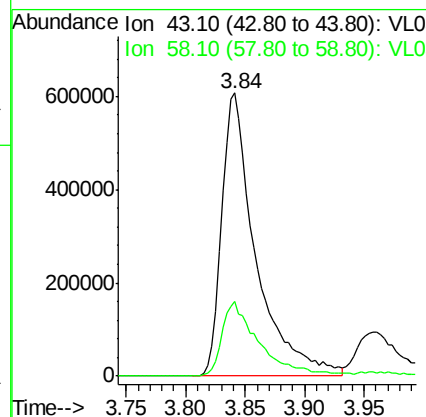
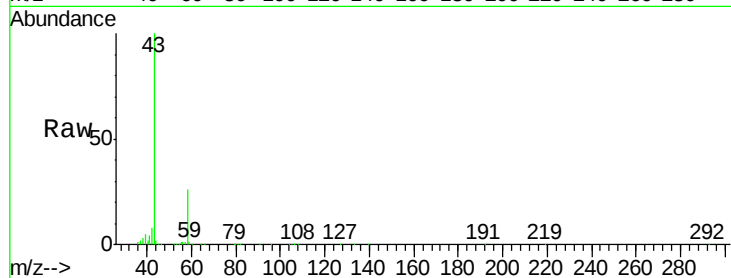
#15
Acetone
Concen: 7.013 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.02 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1210024
Ion Ratio Lower Upper
43 100
58 28.6 23.7 35.5

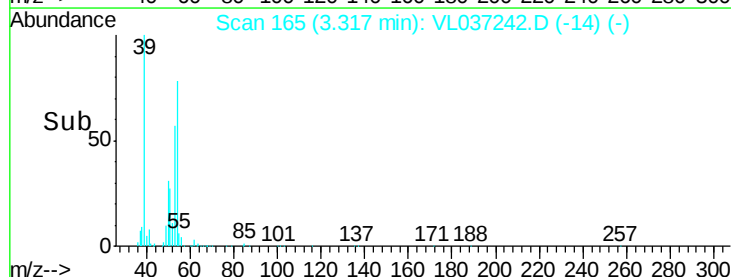
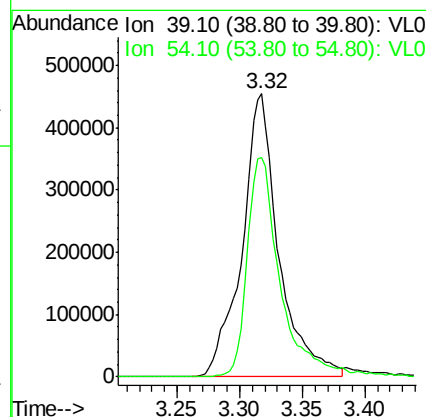
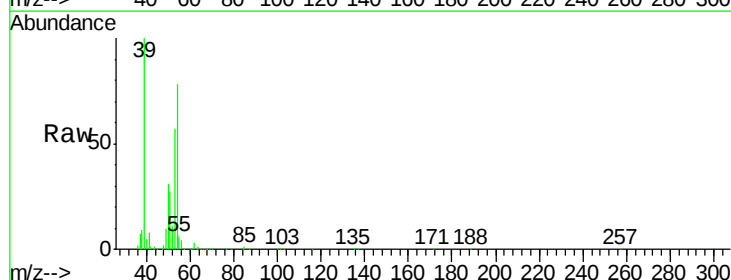
Manual Integrations
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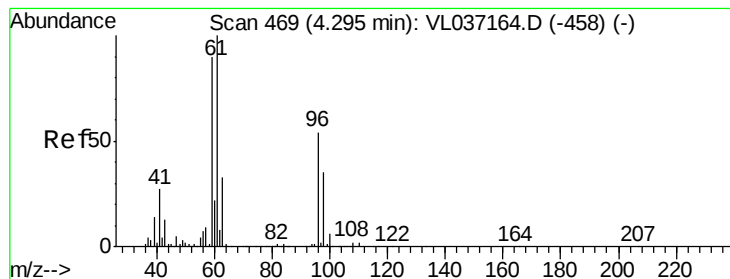
MMDadoda
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#16
1,3-Butadiene
Concen: 9.078 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.01 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Tgt Ion: 39 Resp: 925985
Ion Ratio Lower Upper
39 100
54 70.8 61.2 91.8





#17

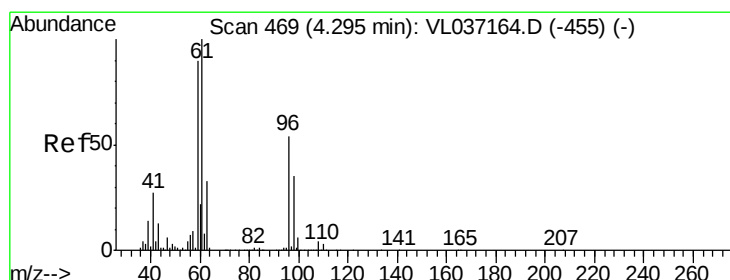
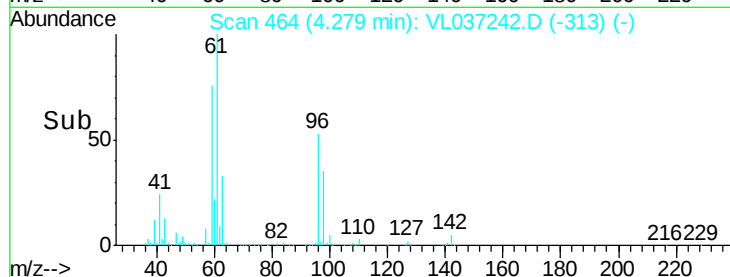
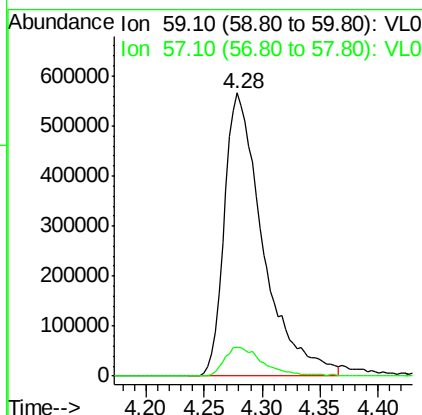
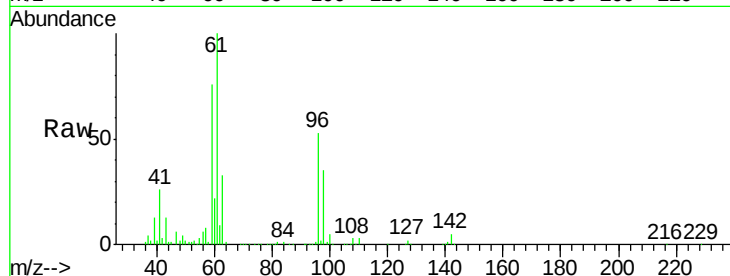
tert-Butyl alcohol
Concen: 8.237 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.02 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1313506
Ion Ratio Lower Upper
59 100
57 10.8 8.8 13.2

Manual Integrations
APPROVED

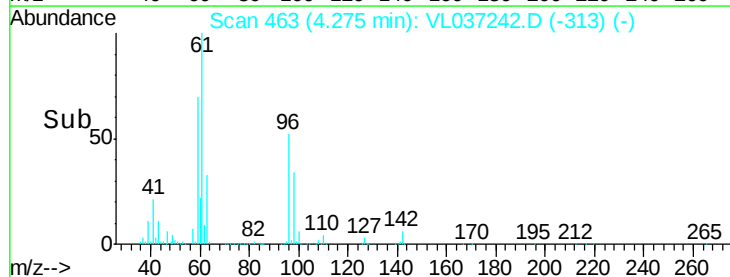
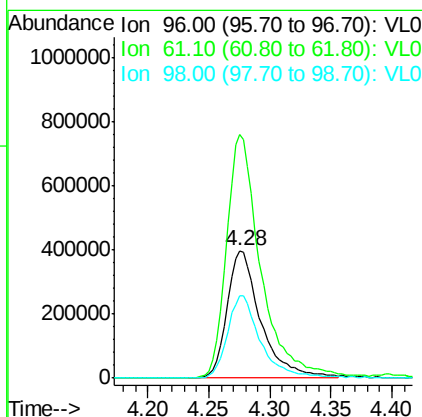
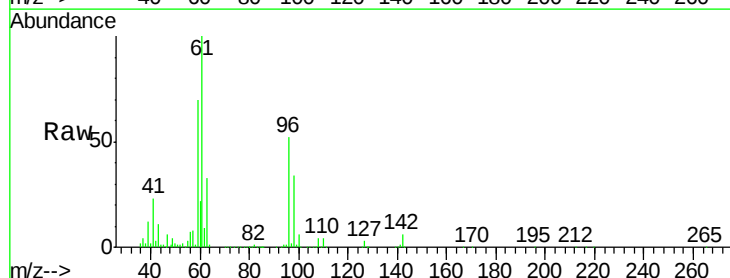
MMDadoda
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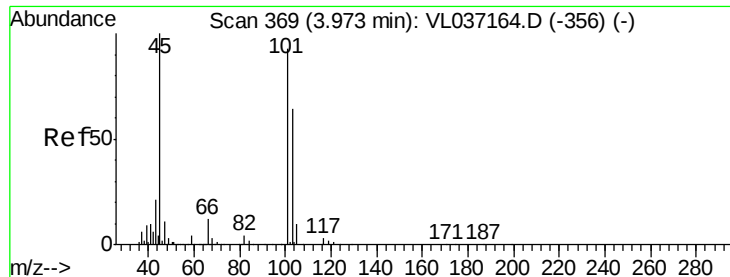


#18

1,1-Dichloroethene
Concen: 8.627 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.02 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Tgt Ion: 96 Resp: 765147
Ion Ratio Lower Upper
96 100
61 191.2 148.6 222.8
98 64.2 51.9 77.9





#19

Isopropyl Alcohol

Concen: 7.502 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 783945

Ion Ratio Lower Upper

45 100

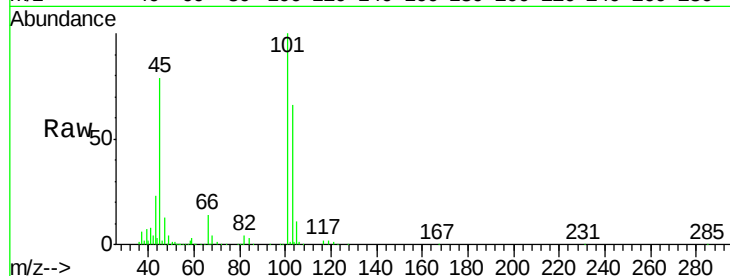
58 3.4 2.4 3.6

Manual Integrations

APPROVED

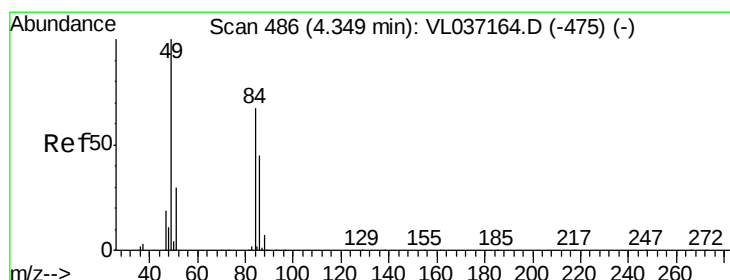
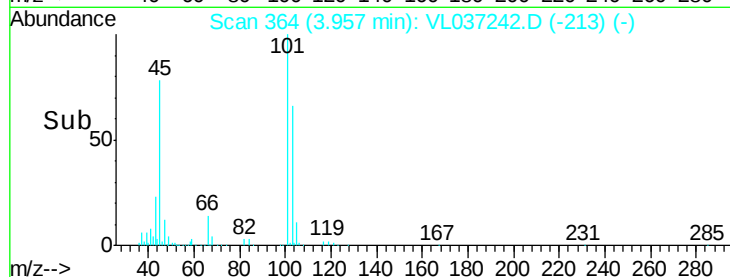
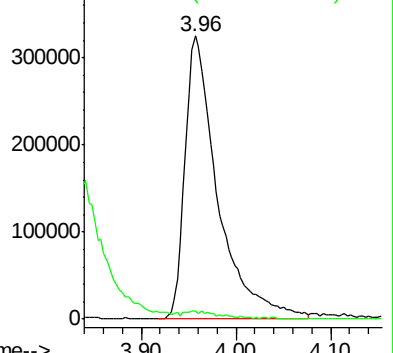
MMDadoda

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 6.200 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Tgt Ion: 84 Resp: 640386

Ion Ratio Lower Upper

84 100

49 153.7 119.7 179.5

51 42.0 36.1 54.1

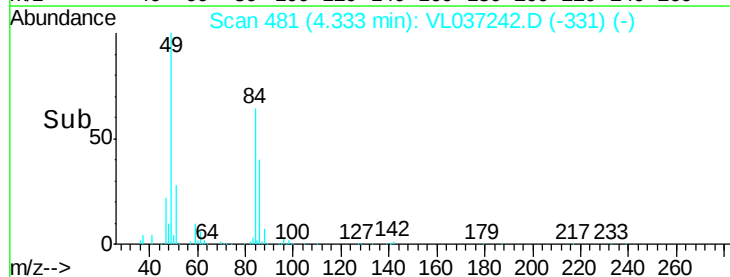
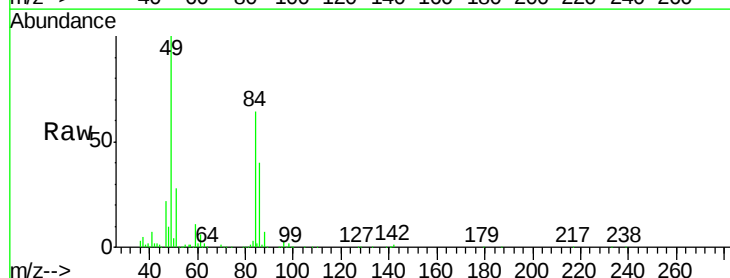
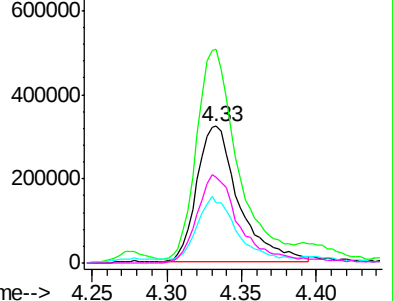
86 62.5 53.7 80.5

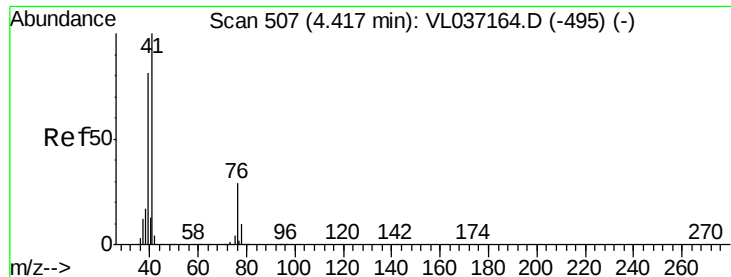
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#21

Allvl Chloride

Concen: 7.775 ppbv

RT: 4.40 min Scan# 502

Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 1011197

Ion Ratio Lower Upper

41 100

76 31.2 24.6 37.0

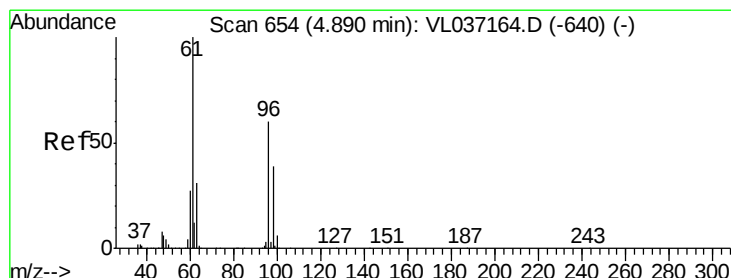
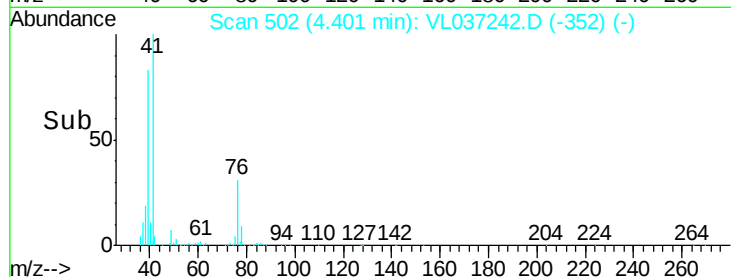
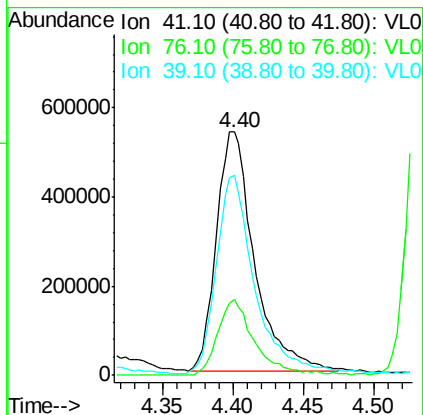
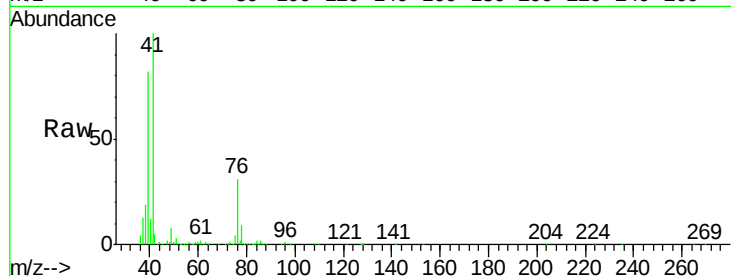
39 84.7 65.4 98.0

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#22

trans-1,2-Dichloroethene

Concen: 8.470 ppbv

RT: 4.87 min Scan# 648

Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

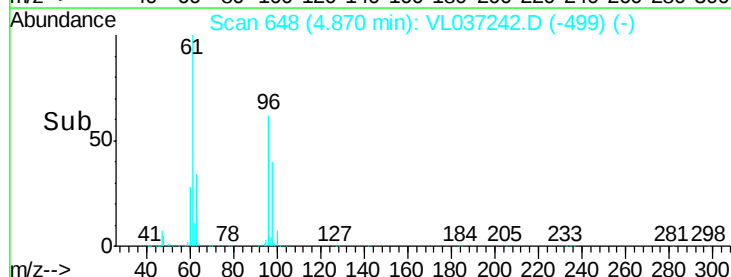
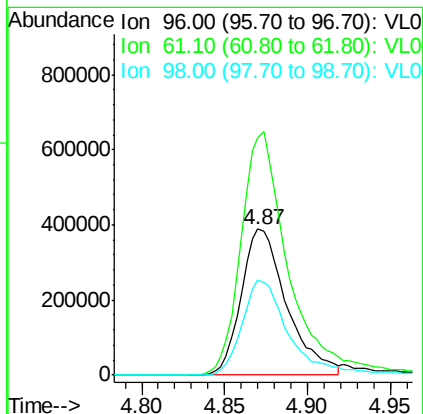
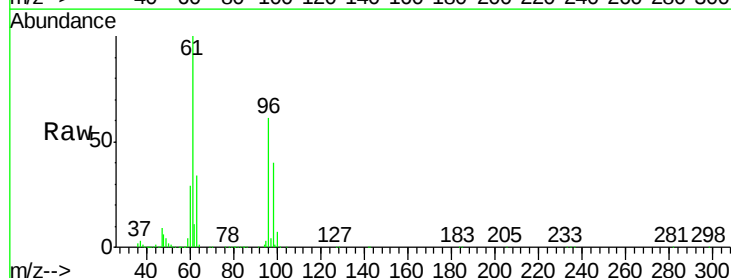
Tgt Ion: 96 Resp: 743339

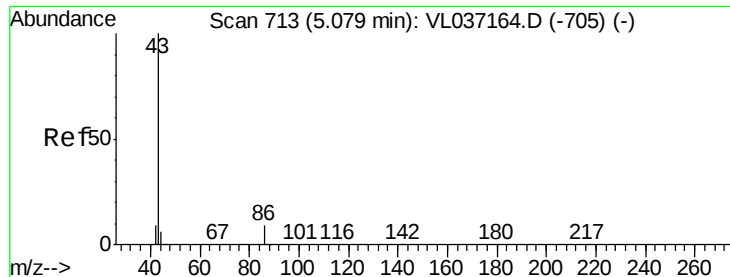
Ion Ratio Lower Upper

96 100

61 162.6 133.9 200.9

98 64.9 52.9 79.3





#23

Vinyl Acetate

Concen: 8.416 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2081980

Ion Ratio Lower Upper

43 100

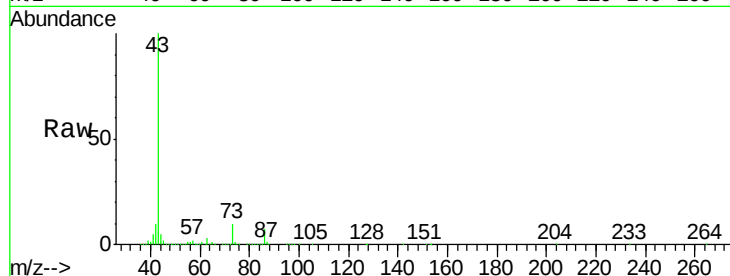
86 7.4 5.8 8.8

42 10.2 8.2 12.2

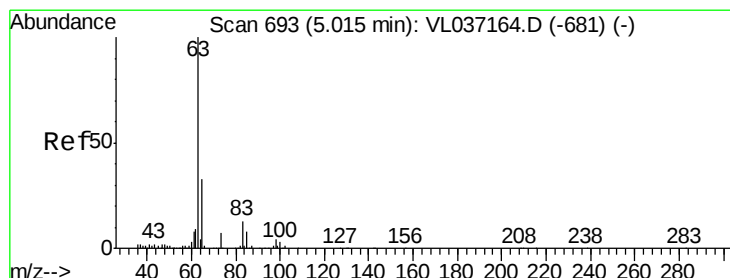
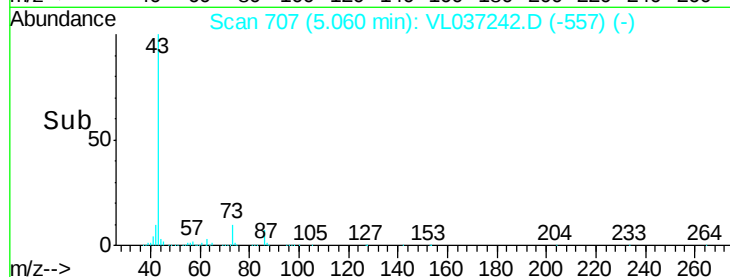
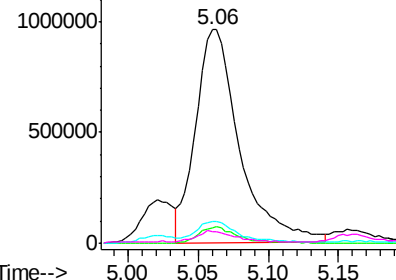
44 4.6 4.2 6.4

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Abundance Ion 43.10 (42.80 to 43.80): VL0
1500000
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: 7.819 ppbv

RT: 5.00 min Scan# 687

Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

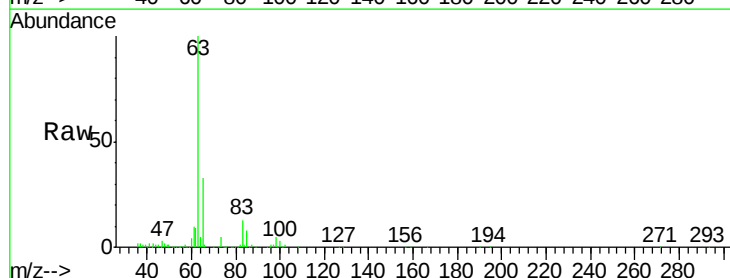
Tgt Ion: 63 Resp: 1557456

Ion Ratio Lower Upper

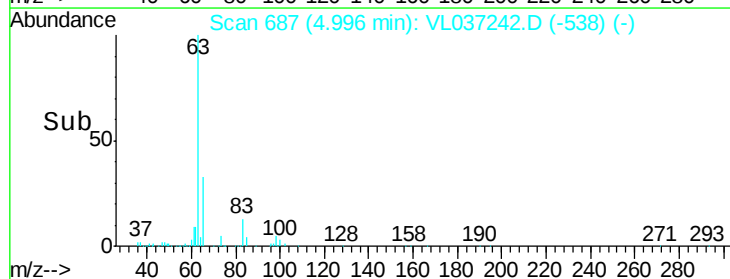
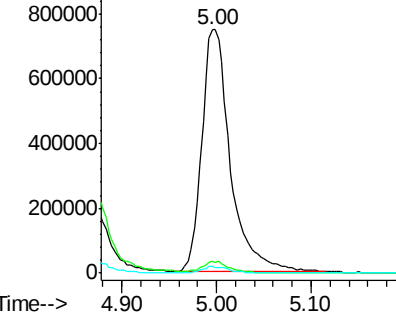
63 100

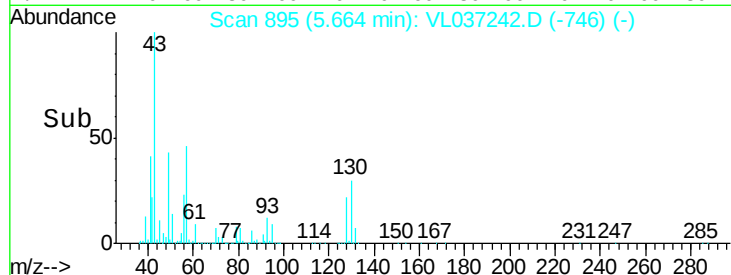
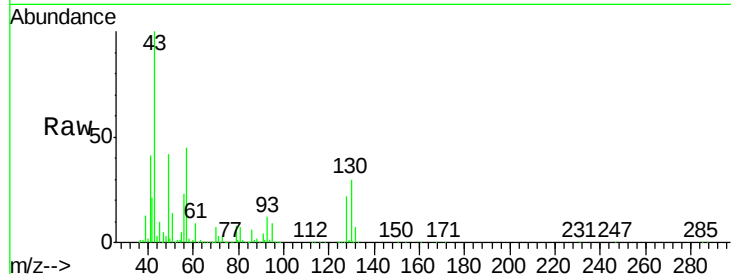
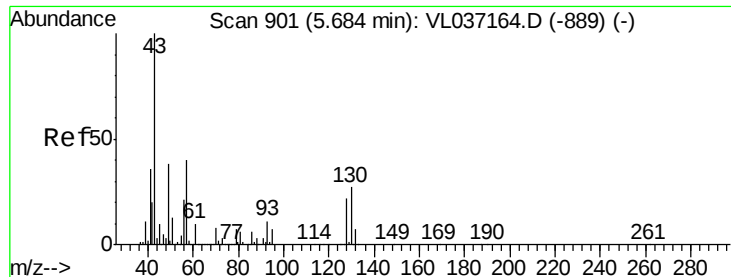
98 4.8 2.1 6.5

100 2.8 1.4 4.0



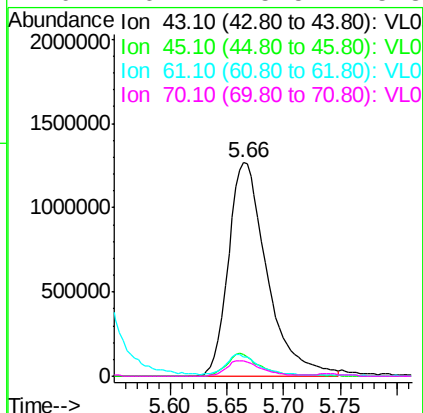
Abundance Ion 63.10 (62.80 to 63.80): VL0
1000000
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





#25
Ethyl Acetate
Concen: 8.024 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

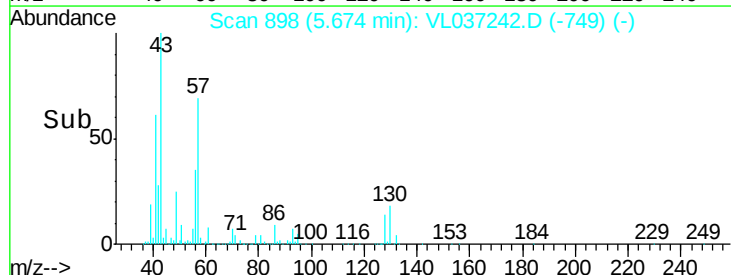
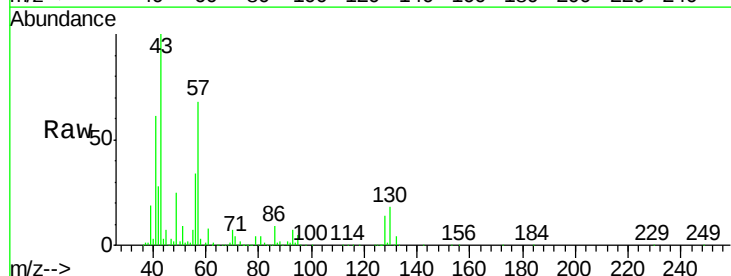
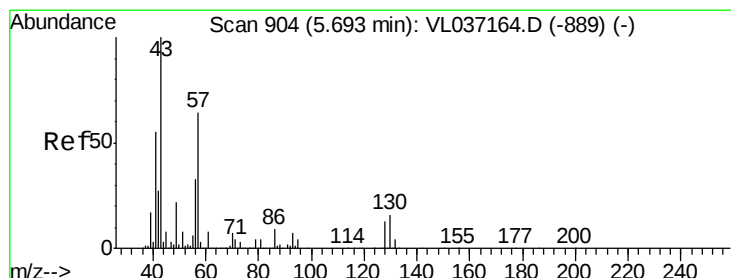
Tot Ion	43	Resp	2997100
Ion	Ratio	Lower	Upper
43	100		
45	9.5	8.0	12.0
61	9.8	8.1	12.1
70	6.7	5.5	8.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

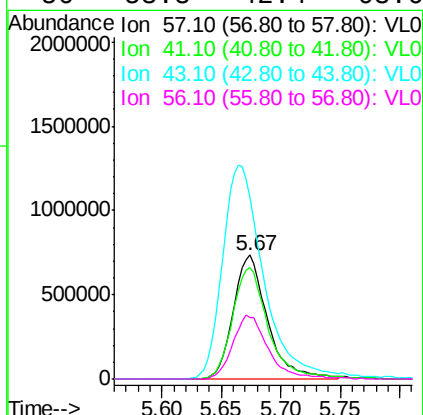
Manual Integrations
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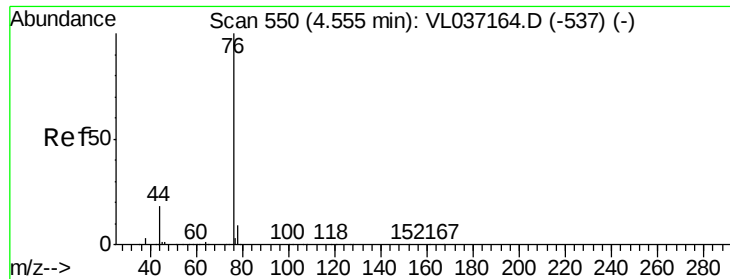
MMDadoda
6/24/2021 4:34:20 PM



#26
Hexane
Concen: 7.771 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.02 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Tgt Ion	57	Resp	1467078
Ion	Ratio	Lower	Upper
57	100		
41	94.6	73.5	110.3
43	209.4	170.7	256.1
56	53.8	42.4	63.6





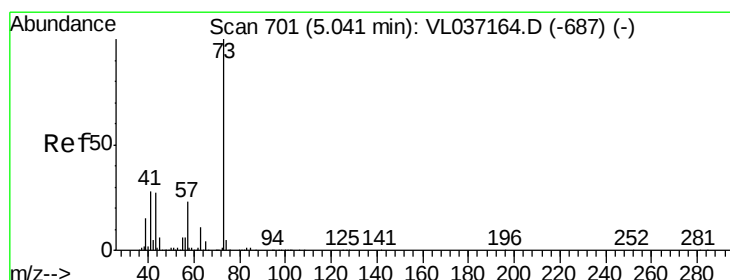
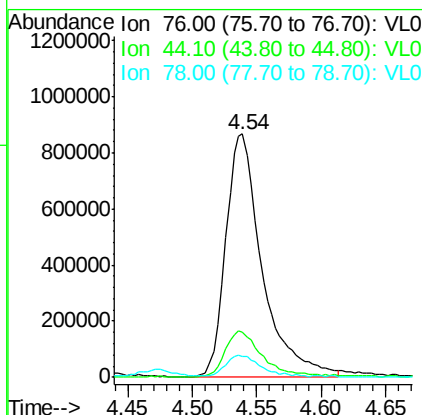
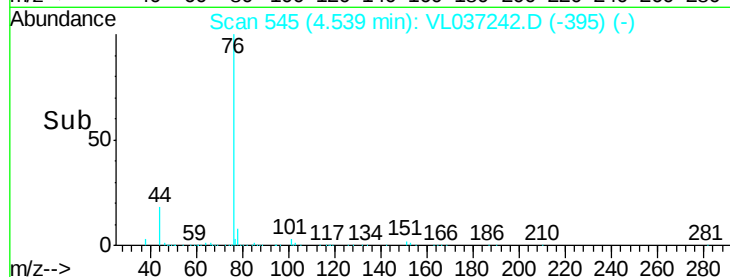
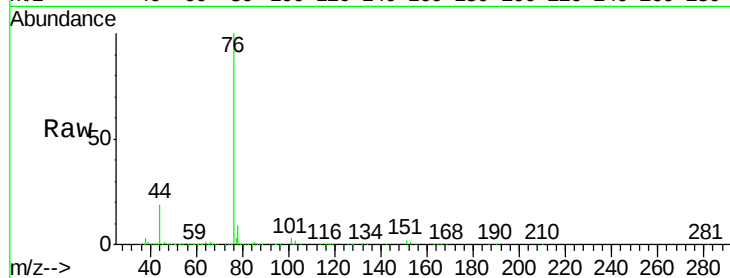
#27
Carbon Disulfide
Concen: 9.148 ppbv
RT: 4.54 min Scan# 545
Delta R.T. -0.02 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
76	100		
44	19.2	15.4	23.2
78	9.5	8.0	12.0

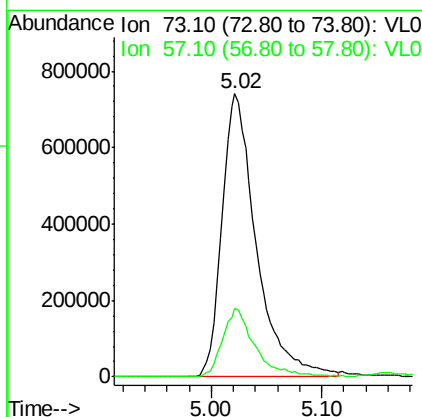
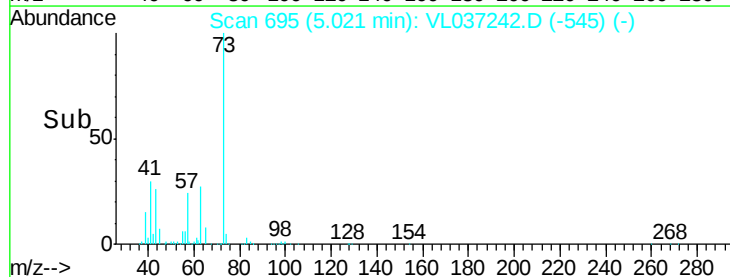
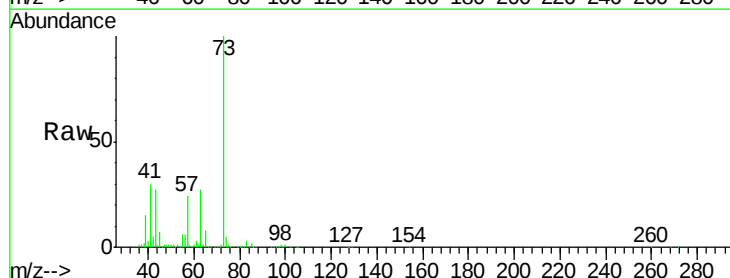
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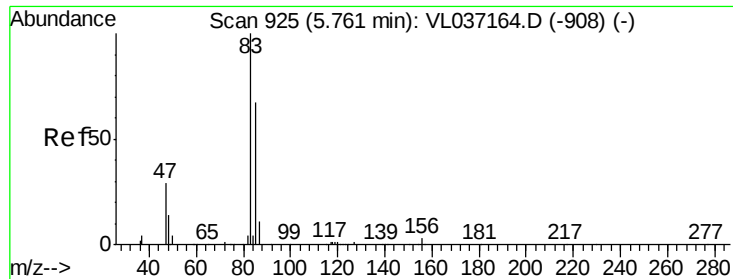
MMDadoda
6/24/2021 4:34:20 PM



#28
Methyl tert-Butyl Ether
Concen: 7.041 ppbv
RT: 5.02 min Scan# 695
Delta R.T. -0.02 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.2	18.0	27.0





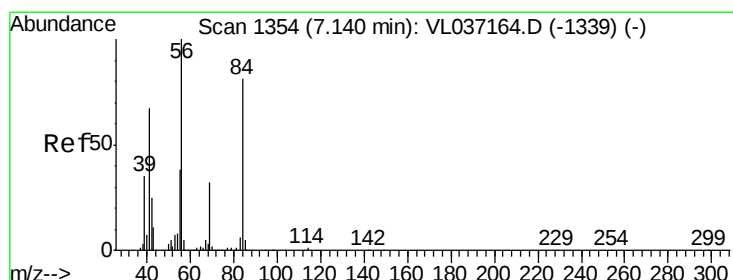
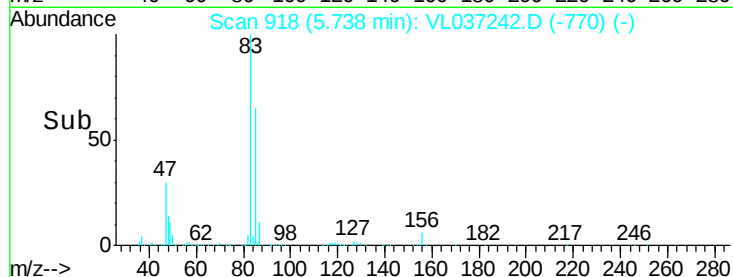
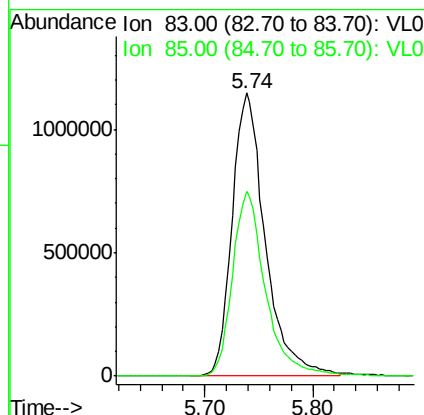
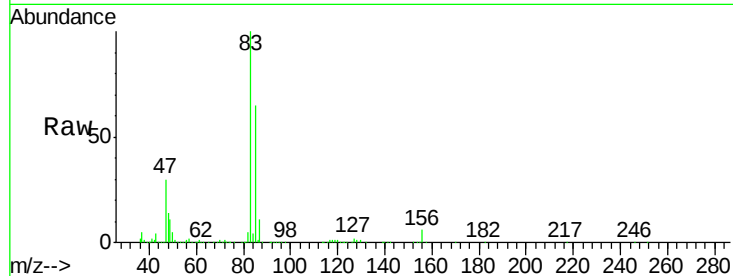
#29
Chloroform
Concen: 8.388 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.02 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2446043
Ion Ratio Lower Upper
83 100
85 64.9 53.6 80.4

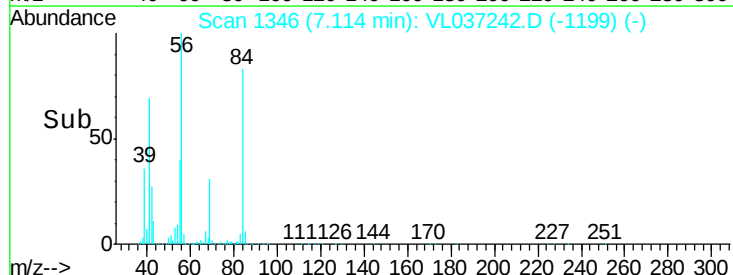
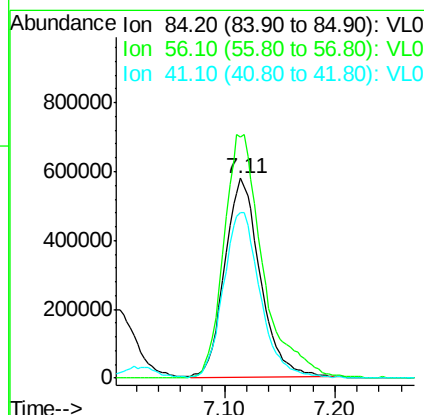
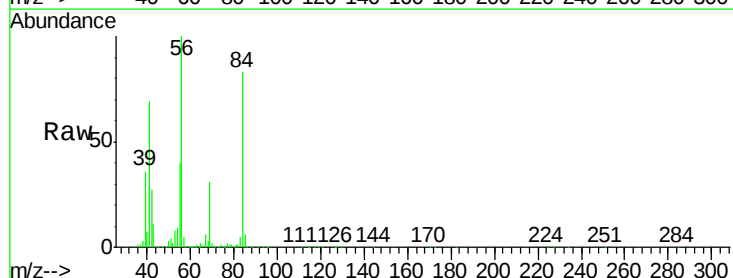
Manual Integrations
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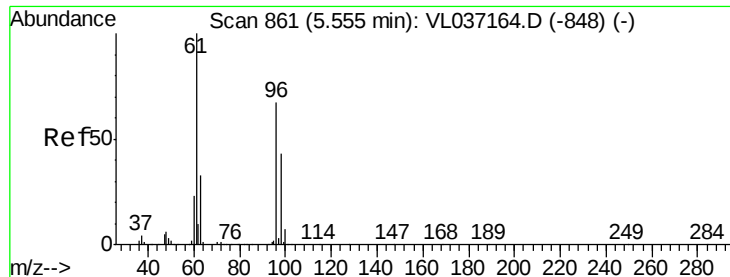
MMDadoda
6/24/2021 4:34:20 PM



#30
Cyclohexane
Concen: 8.186 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. -0.03 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Tgt Ion: 84 Resp: 1287687
Ion Ratio Lower Upper
84 100
56 135.3 107.7 161.5
41 87.6 69.0 103.6





#31

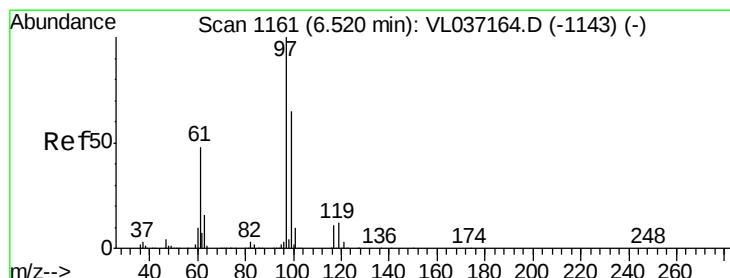
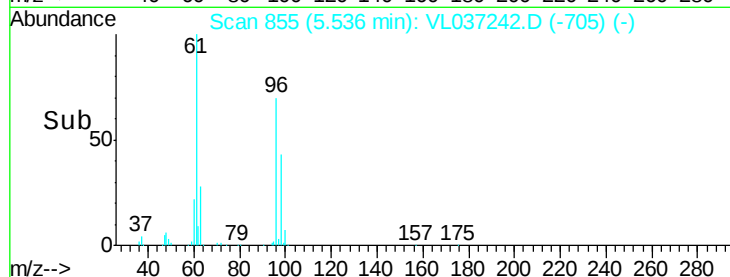
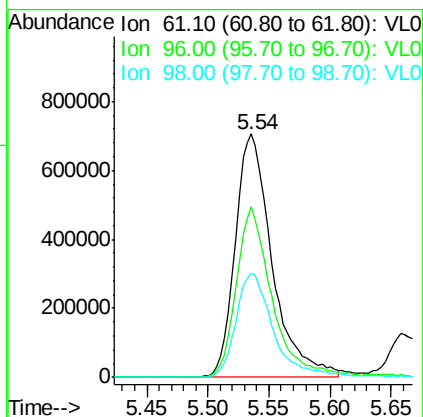
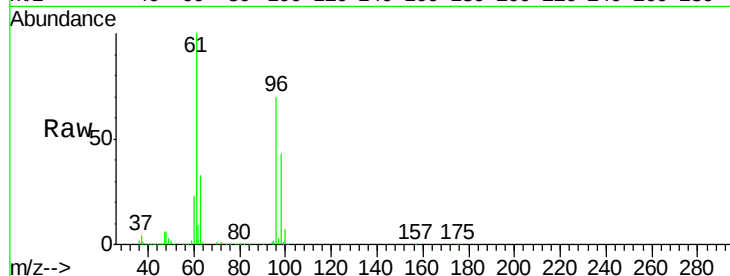
cis-1,2-Dichloroethene
Concen: 8.500 ppbv
RT: 5.54 min Scan# 855
Delta R.T. -0.02 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	70.1	53.6	80.4
98	43.0	34.7	52.1

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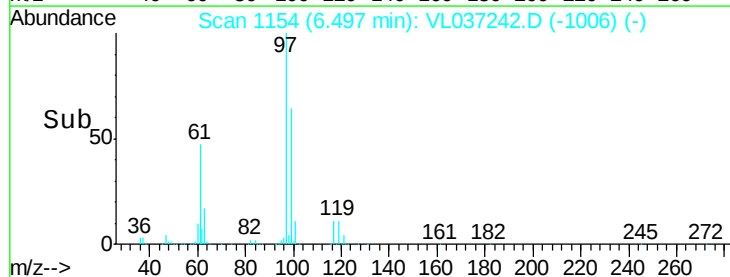
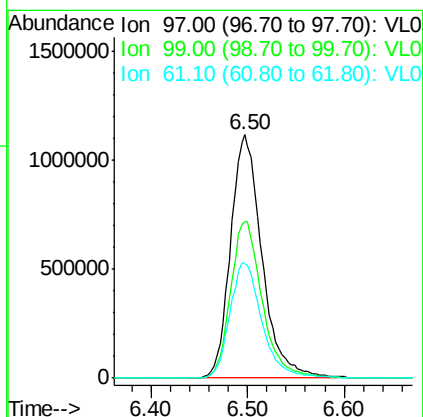
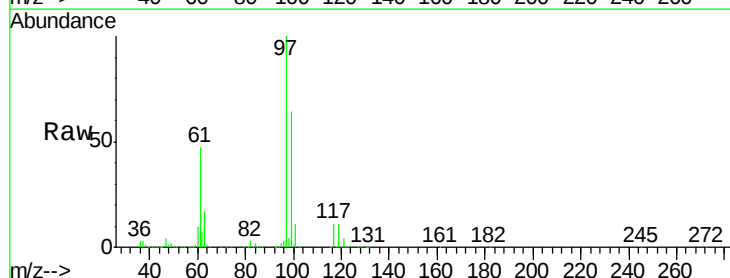
MMDadoda
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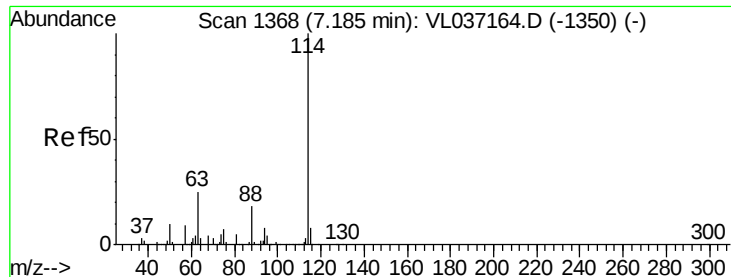


#32

1,1,1-Trichloroethane
Concen: 8.078 ppbv
RT: 6.50 min Scan# 1154
Delta R.T. -0.02 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.2	78.4
61	49.1	38.8	58.2





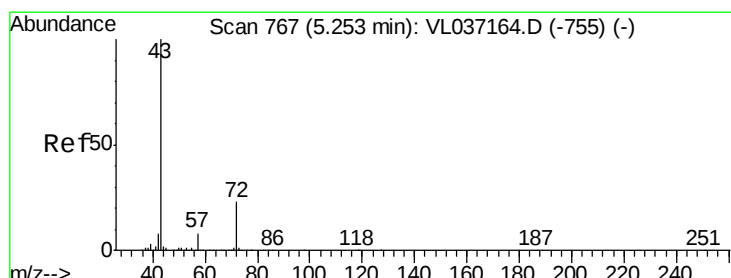
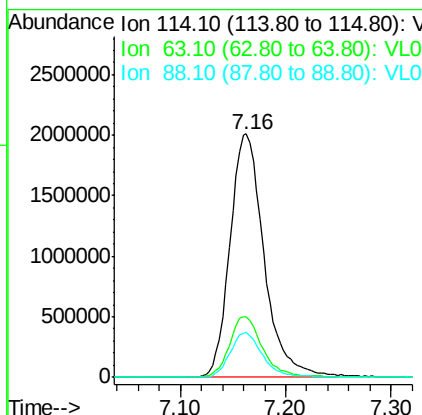
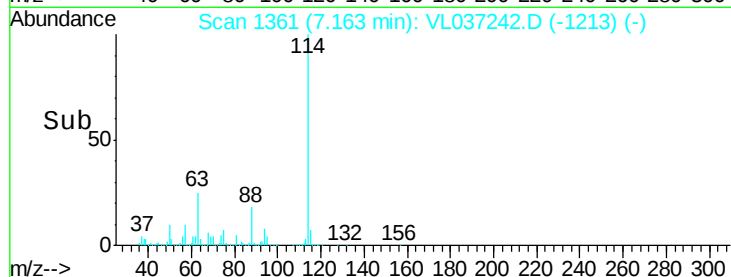
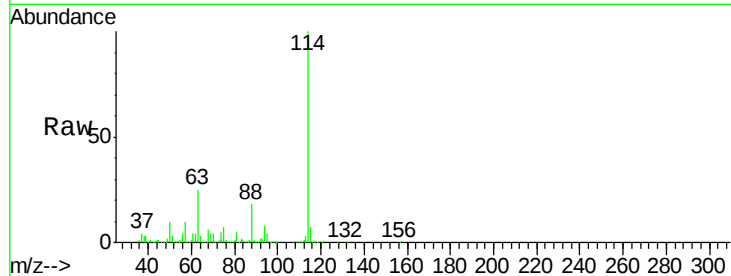
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.02 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 4499863
 Ion Ratio Lower Upper
 114 100
 63 24.7 19.6 29.4
 88 17.9 14.2 21.2

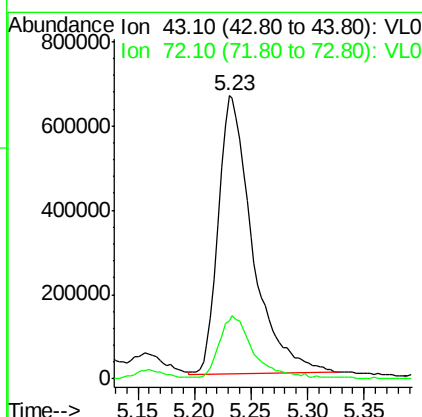
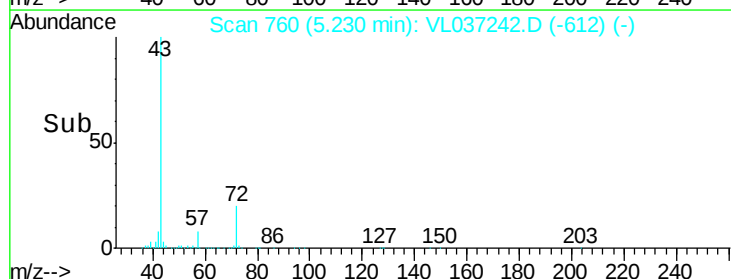
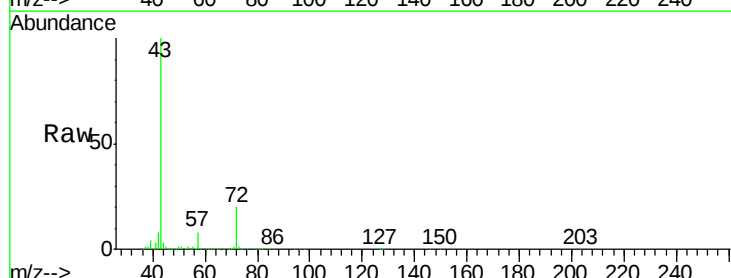
Manual Integrations
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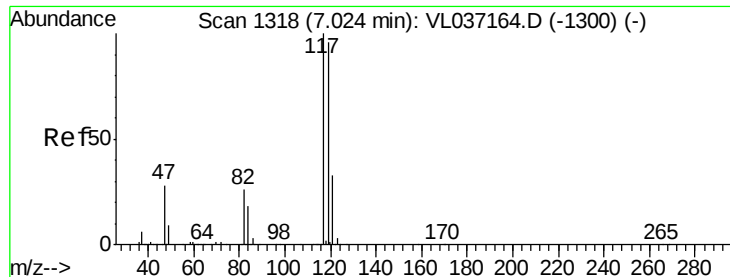
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#34
 2-Butanone
 Concen: 7.976 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

Tgt Ion: 43 Resp: 1395777
 Ion Ratio Lower Upper
 43 100
 72 23.5 18.9 28.3





#35

Carbon Tetrachloride

Concen: 8.838 ppbv

RT: 7.01 min Scan# 1312

Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 117 Resp: 2667327

Ion Ratio Lower Upper

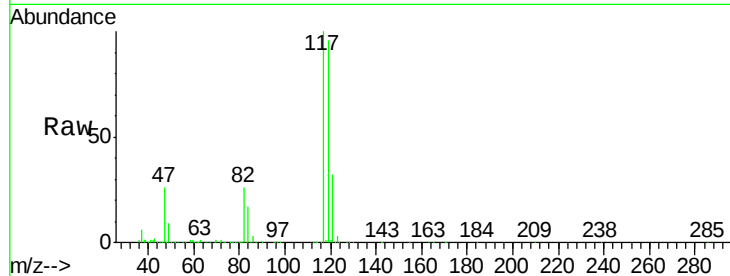
117 100

119 96.4 76.6 114.8

121 31.6 26.4 39.6

Manual Integrations
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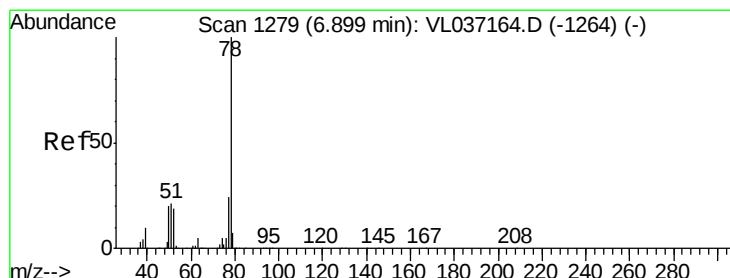
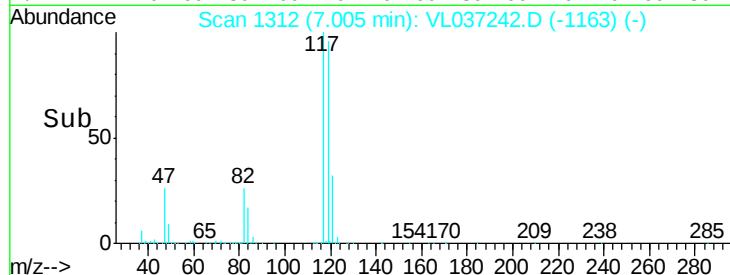
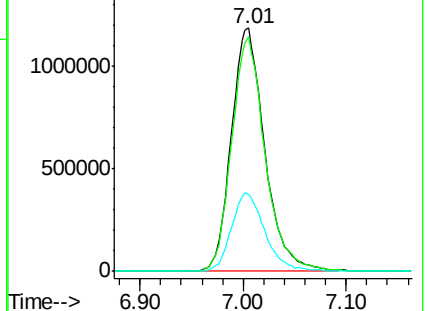
MMDadoda
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.443 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

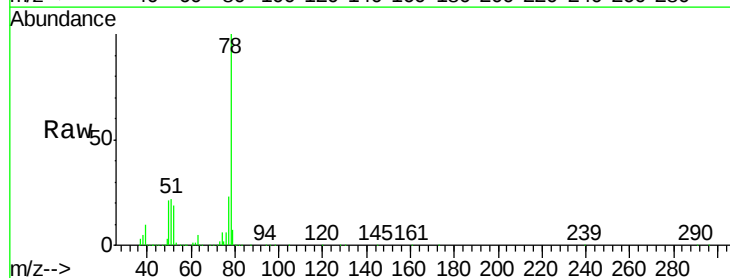
Tgt Ion: 78 Resp: 3072175

Ion Ratio Lower Upper

78 100

77 23.4 19.0 28.6

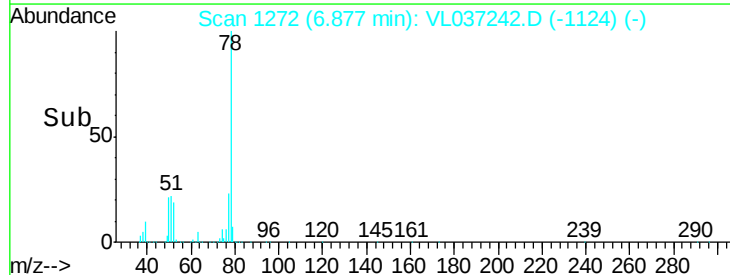
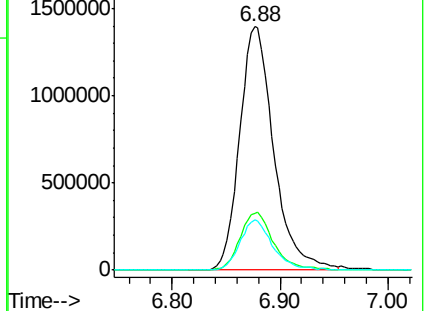
50 20.9 15.7 23.5

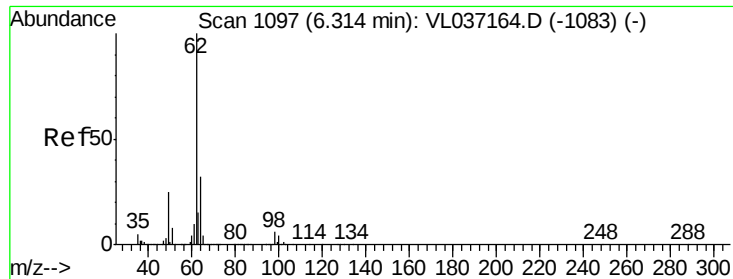


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





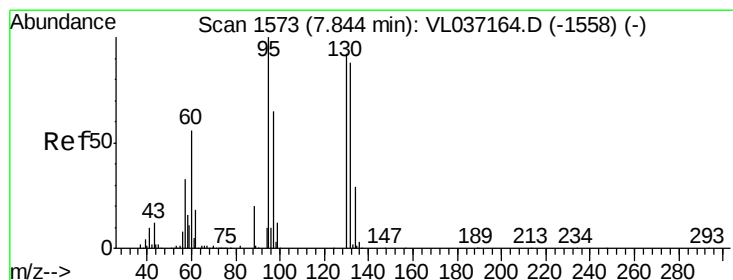
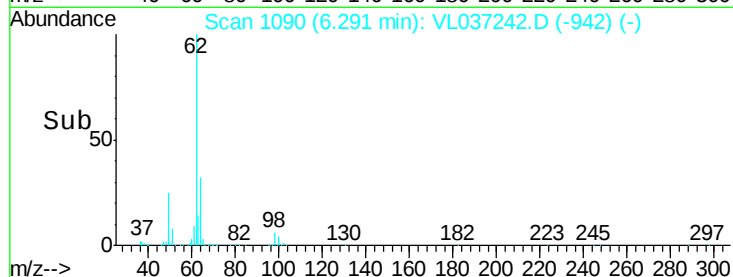
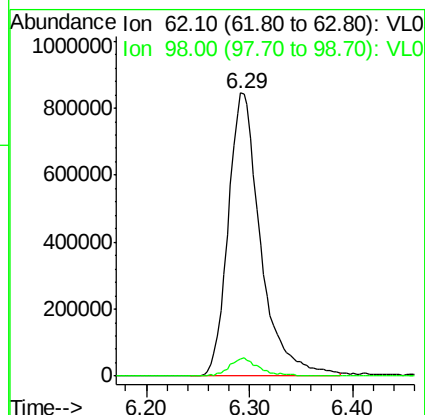
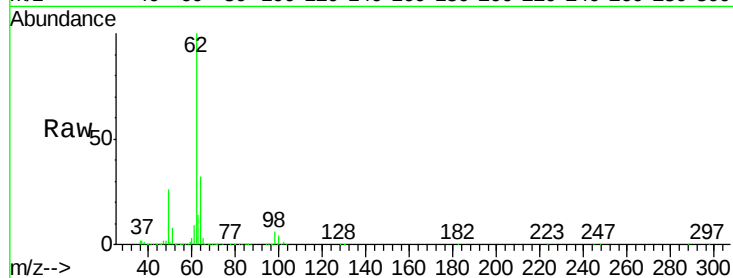
#37
 1,2-Dichloroethane
 Concen: 8.772 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. -0.02 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1854216
 Ion Ratio Lower Upper
 62 100
 98 6.1 5.0 7.6

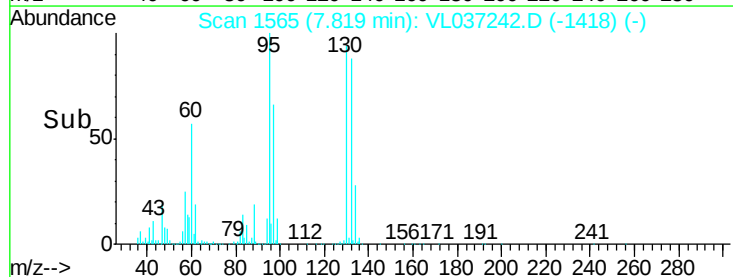
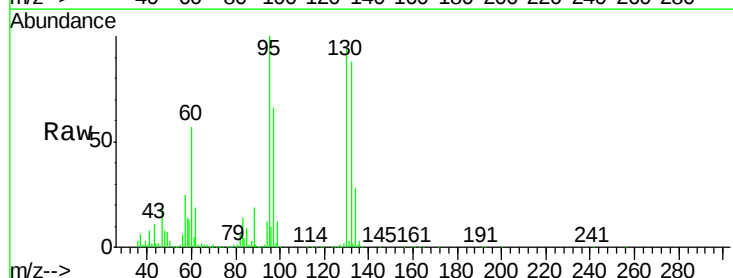
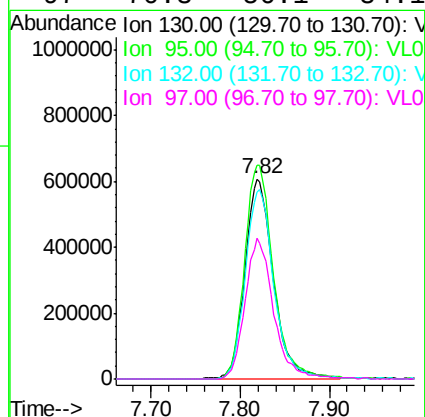
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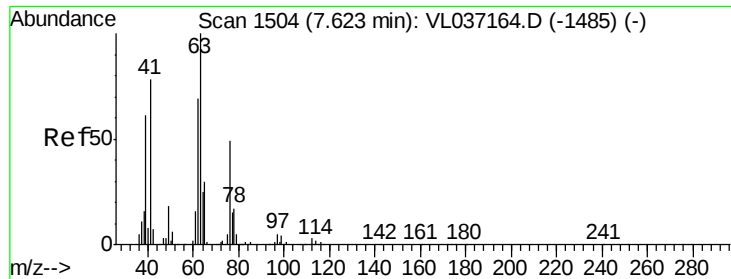
MMDadoda
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#38
 Trichloroethene
 Concen: 7.793 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. -0.03 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

Tgt Ion: 130 Resp: 1347982
 Ion Ratio Lower Upper
 130 100
 95 106.8 86.6 129.8
 132 93.7 76.6 114.8
 97 70.3 56.1 84.1





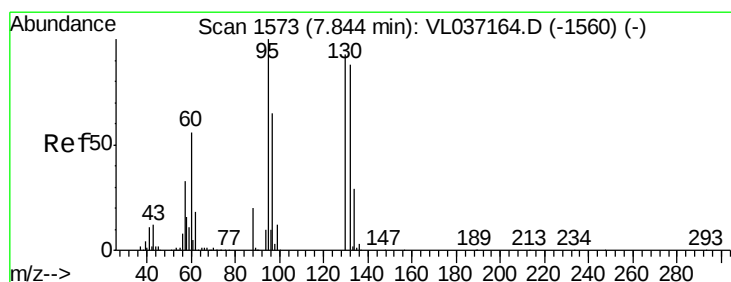
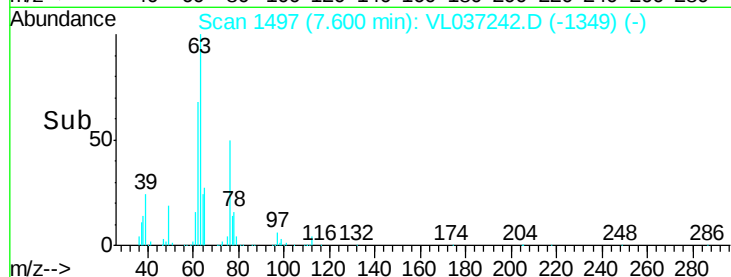
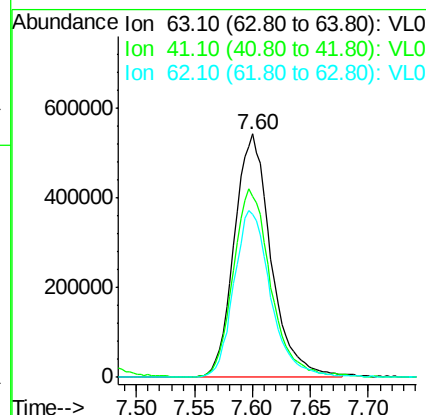
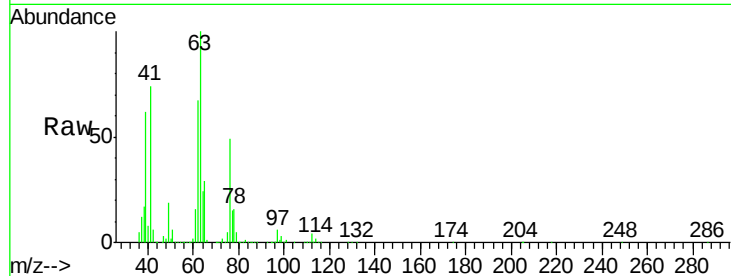
#39
 1,2-Dichloropropane
 Concen: 8.813 ppbv
 RT: 7.60 min Scan# 1497
 Delta R.T. -0.02 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	73.8	62.0	93.0
62	66.9	54.9	82.3

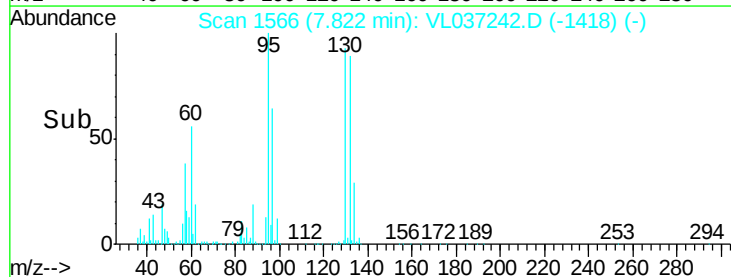
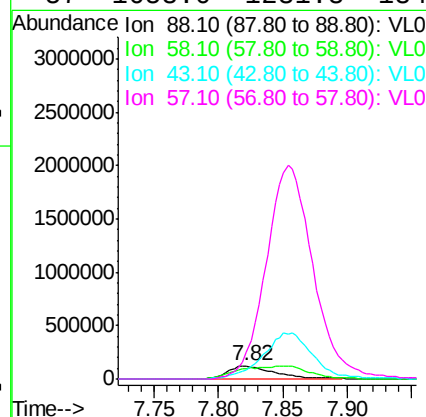
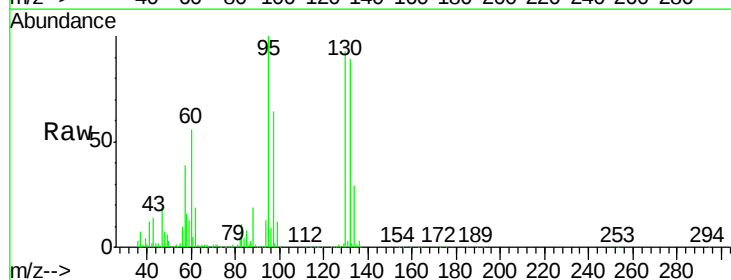
Manual Integrations
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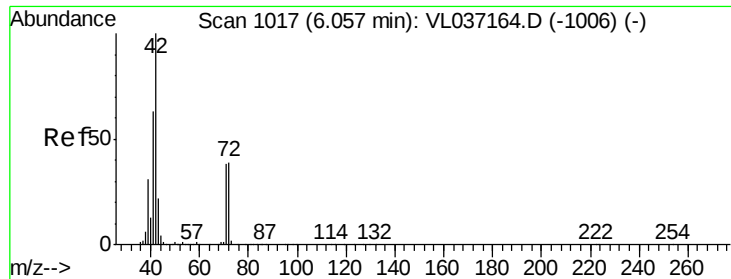
MMDadoda
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#40
 1,4-Dioxane
 Concen: 8.333 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

Tgt Ion	Ratio	Lower	Upper
88	100		
58	152.8	118.4	177.6
43	377.7	284.0	426.0
57	1658.0	1231.8	1847.6





#41

Tetrahydrofuran

Concen: 8.090 ppbv

RT: 6.04 min Scan# 1011

Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

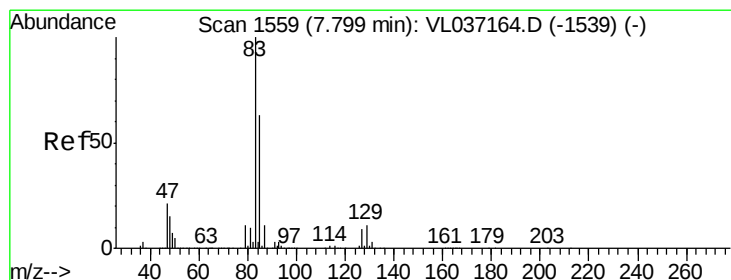
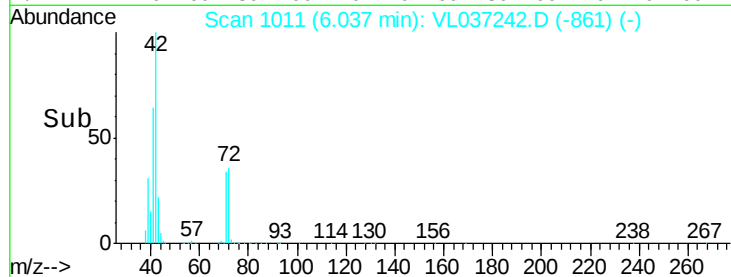
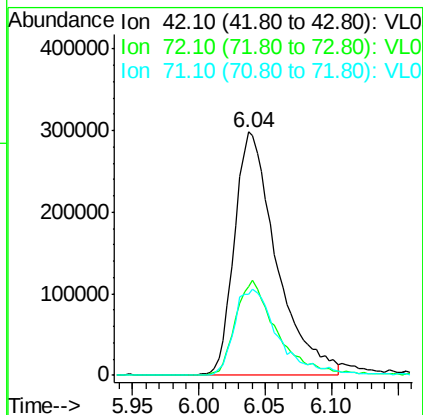
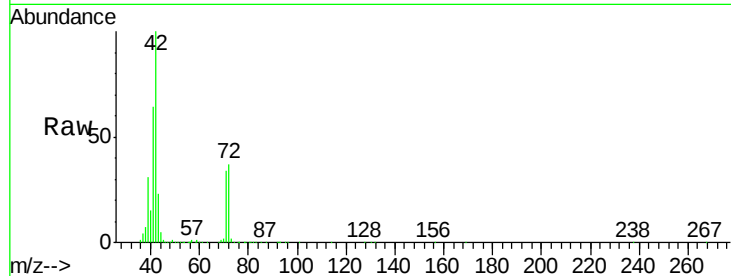
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	657609
Ion Ratio		Lower	Upper
42	100		
72	39.8	33.0	49.4
71	38.1	31.0	46.6

Manual Integrations
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#42

Bromodichloromethane

Concen: 8.932 ppbv

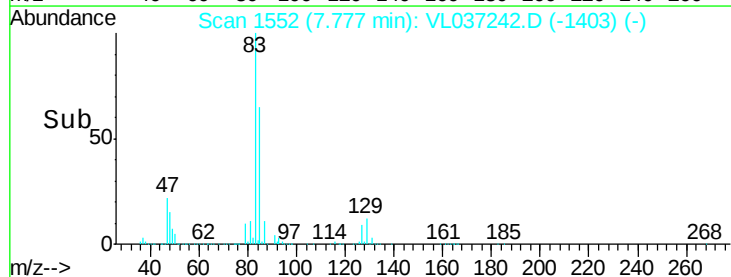
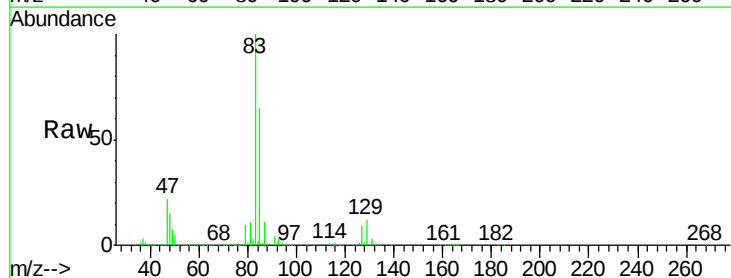
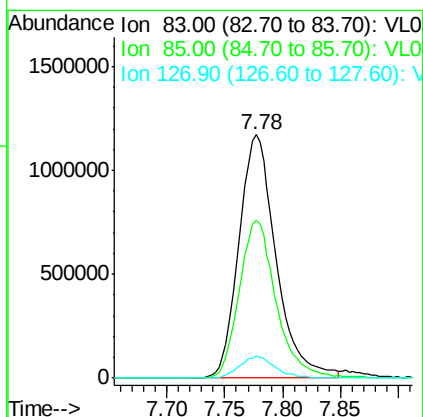
RT: 7.78 min Scan# 1552

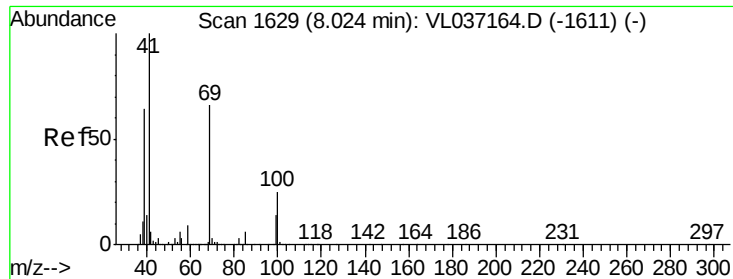
Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Tgt Ion:	83	Resp:	2604780
Ion Ratio		Lower	Upper
83	100		
85	64.8	50.8	76.2
127	9.0	7.0	10.6





#43

Methyl Methacrylate

Concen: 9.276 ppbv

RT: 8.00 min Scan# 1621

Delta R.T. -0.03 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

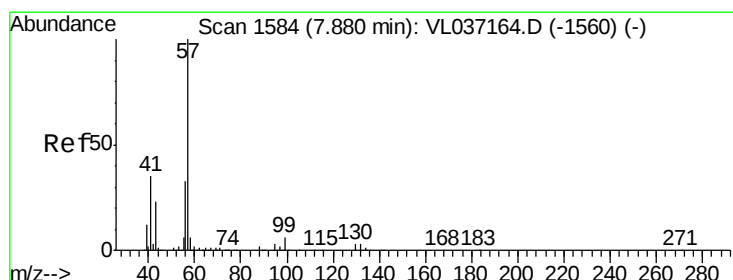
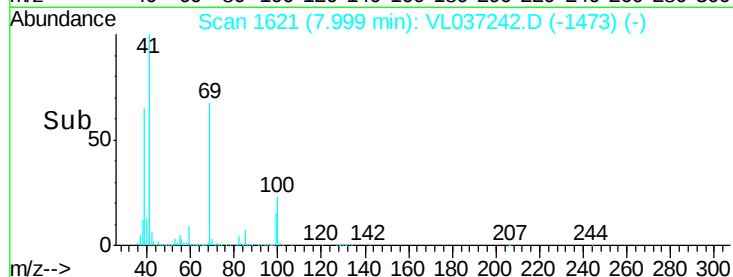
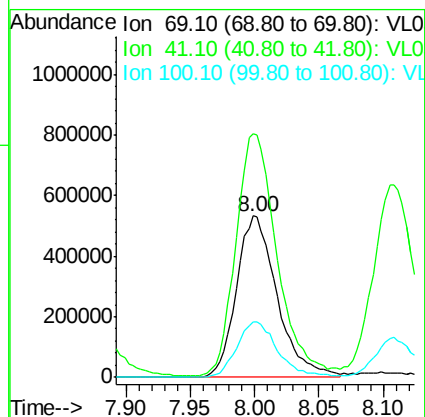
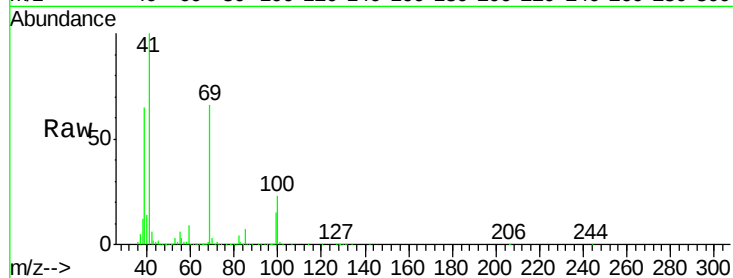
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1165627

Ion	Ratio	Lower	Upper
69	100		
41	152.6	119.4	179.0
100	34.5	28.6	43.0

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 8.308 ppbv

RT: 7.85 min Scan# 1576

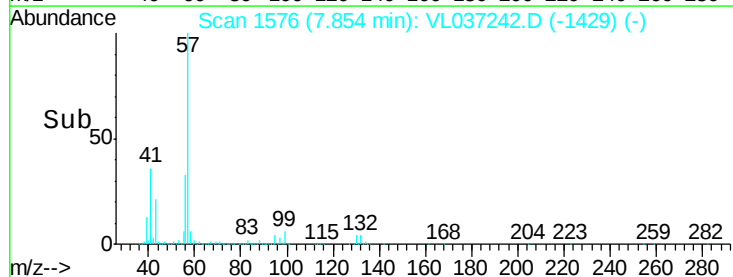
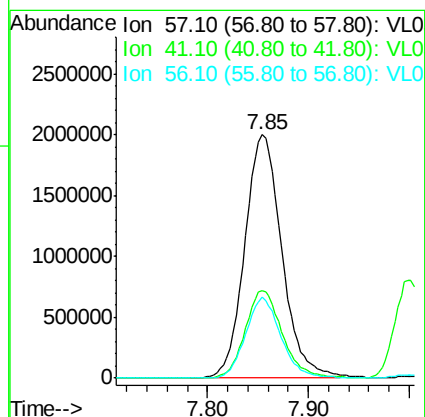
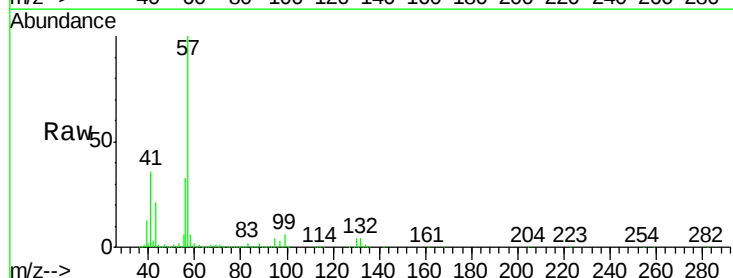
Delta R.T. -0.03 min

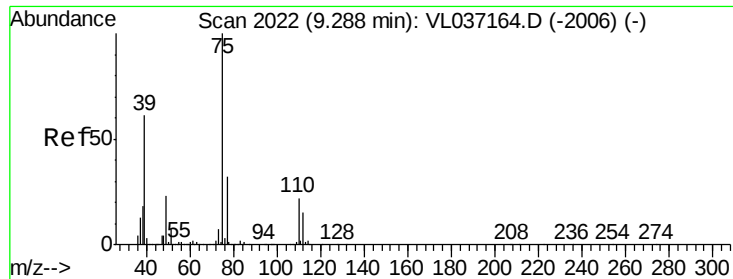
Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Tgt Ion: 57 Resp: 5090642

Ion	Ratio	Lower	Upper
57	100		
41	36.1	27.6	41.4
56	31.7	25.3	37.9





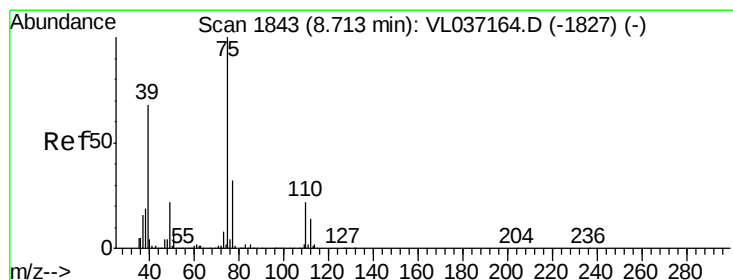
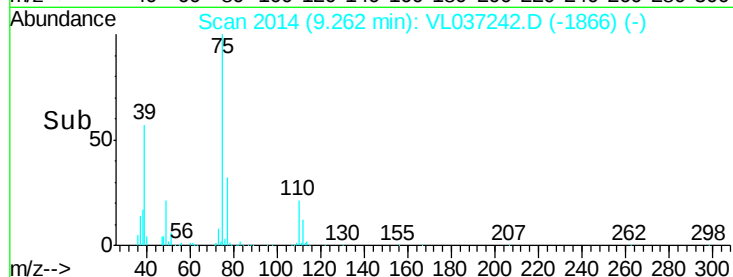
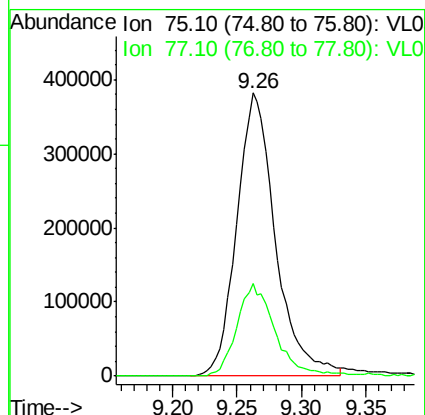
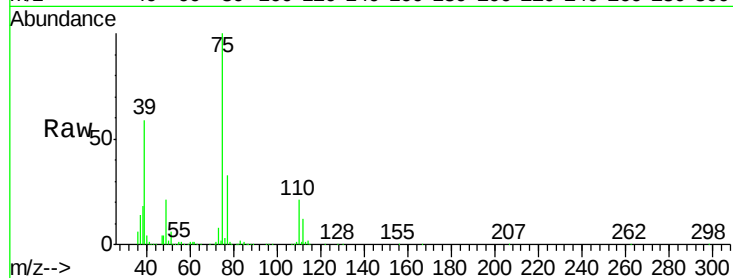
#45
t-1,3-Dichloropropene
Concen: 7.148 ppbv
RT: 9.26 min Scan# 2014
Delta R.T. -0.03 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 792518
Ion Ratio Lower Upper
75 100
77 32.5 25.6 38.4

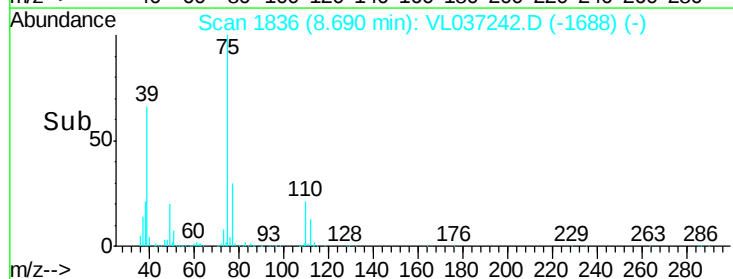
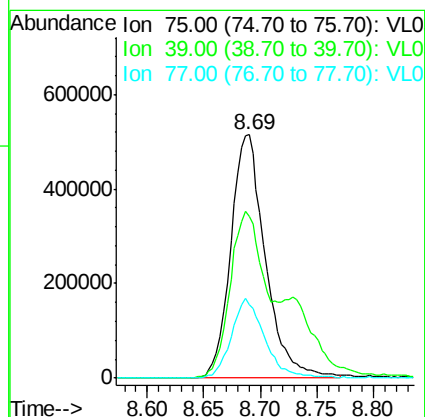
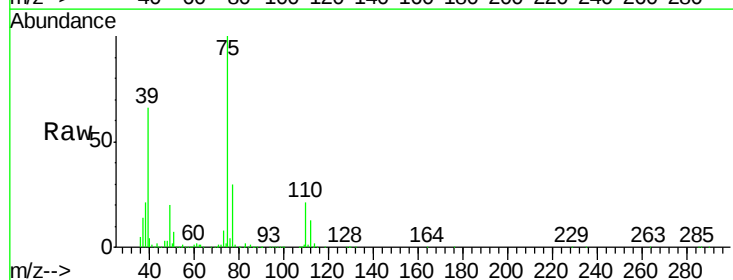
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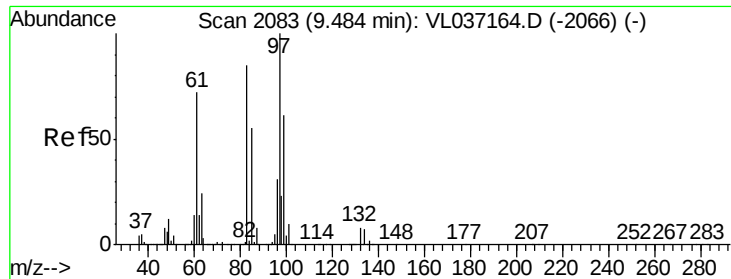
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 7.231 ppbv
RT: 8.69 min Scan# 1836
Delta R.T. -0.02 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Tgt Ion: 75 Resp: 1096748
Ion Ratio Lower Upper
75 100
39 65.9 54.7 82.1
77 30.3 25.8 38.8





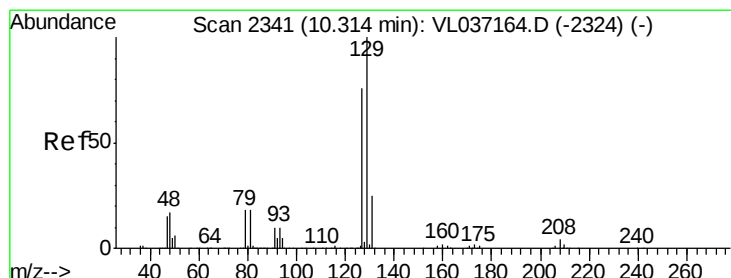
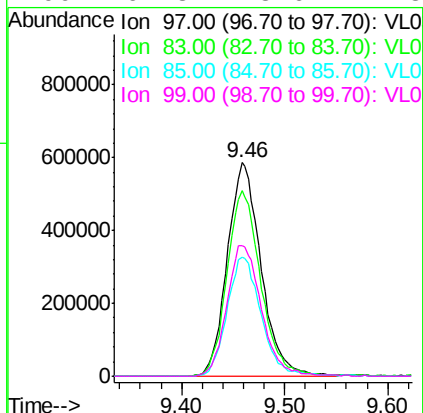
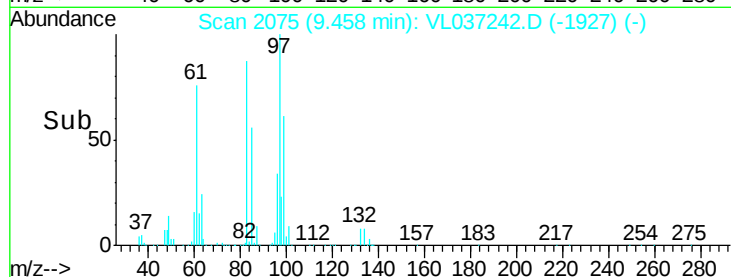
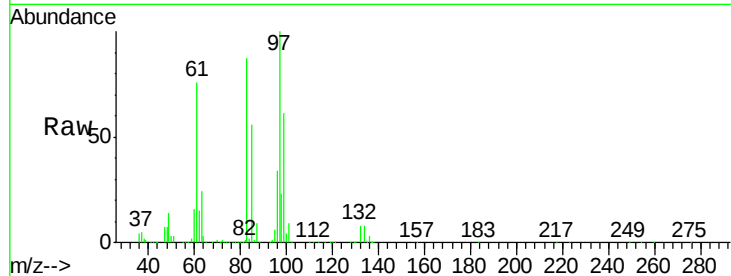
#47
 1,1,2-Trichloroethane
 Concen: 8.665 ppbv
 RT: 9.46 min Scan# 2075
 Delta R.T. -0.03 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 97 Resp: 1336706
 Ion Ratio Lower Upper
 97 100
 83 86.9 68.3 102.5
 85 55.5 44.1 66.1
 99 61.3 48.6 72.8

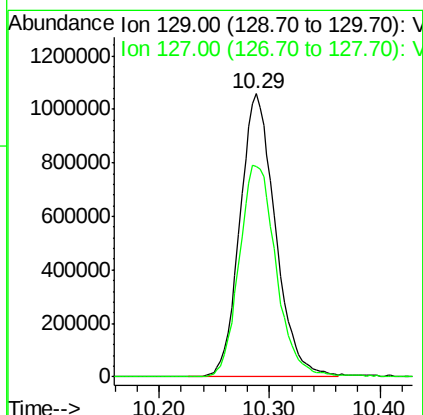
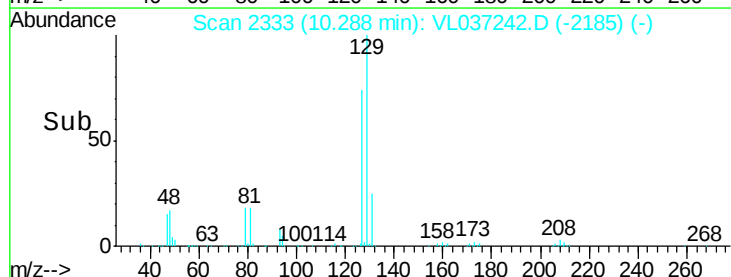
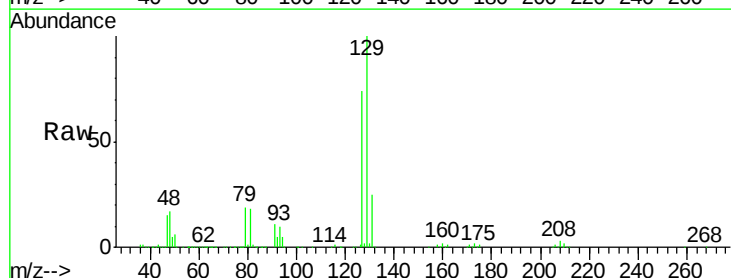
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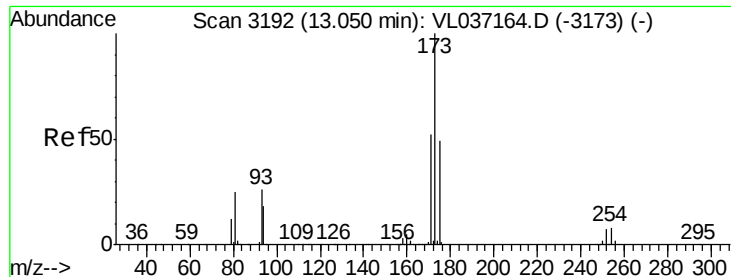
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#48
 Dibromochloromethane
 Concen: 9.658 ppbv
 RT: 10.29 min Scan# 2333
 Delta R.T. -0.03 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

Tgt Ion: 129 Resp: 2351808
 Ion Ratio Lower Upper
 129 100
 127 78.4 39.1 117.2





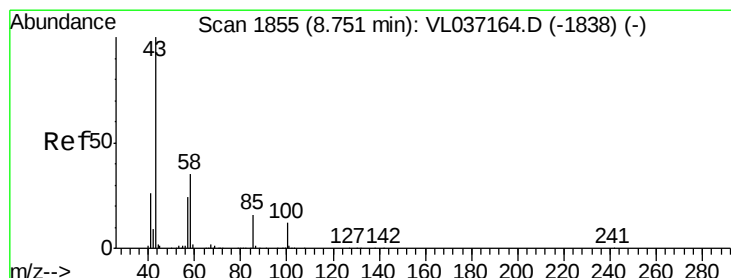
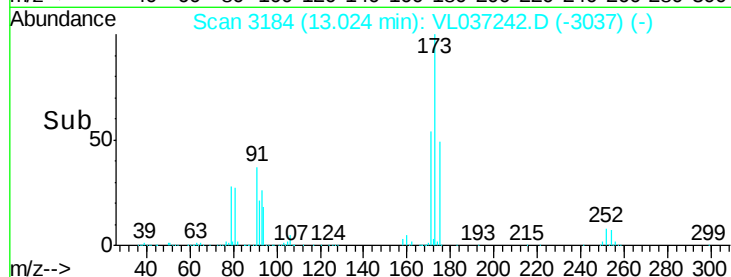
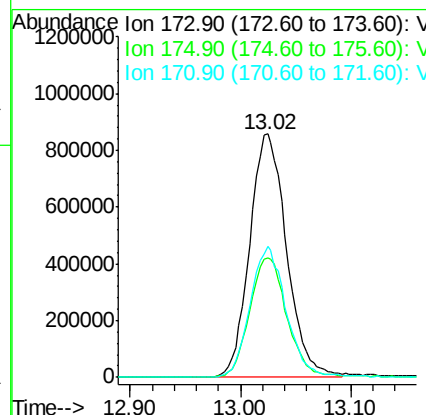
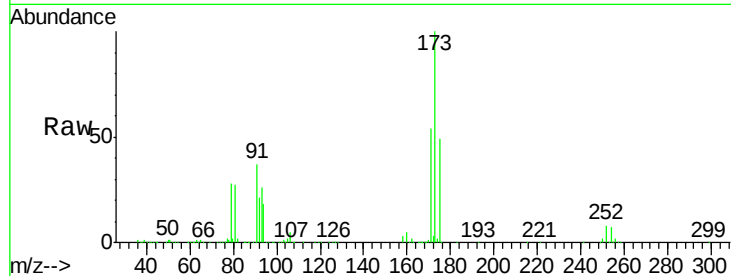
#49
Bromoform
Concen: 11.002 ppbv
RT: 13.02 min Scan# 3184
Delta R.T. -0.03 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	40.2	60.4
171	52.6	41.8	62.8

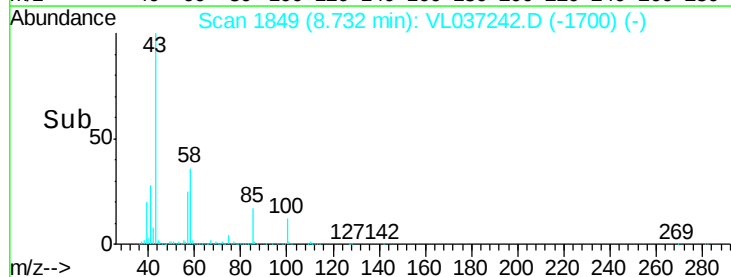
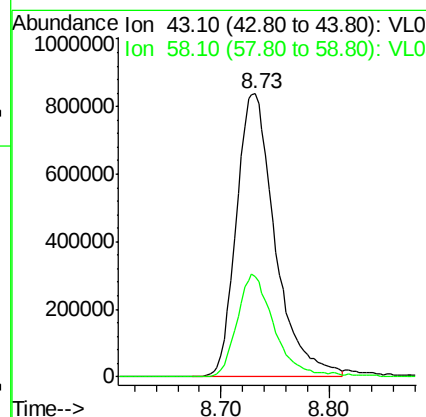
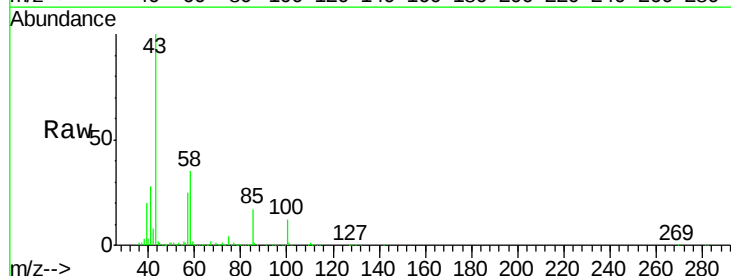
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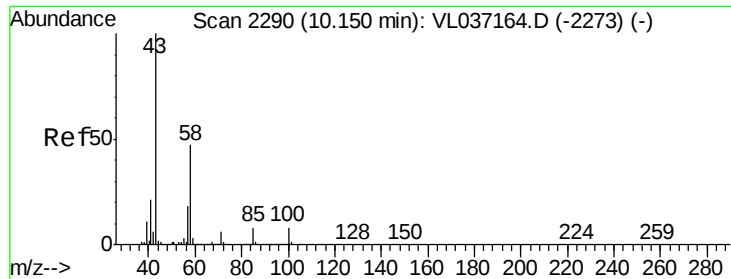
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 8.720 ppbv
RT: 8.73 min Scan# 1849
Delta R.T. -0.02 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.4	42.6





#51

2-Hexanone

Concen: 9.289 ppbv

RT: 10.12 min Scan# 2281

Delta R.T. -0.03 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1086336

Ion Ratio Lower Upper

43 100

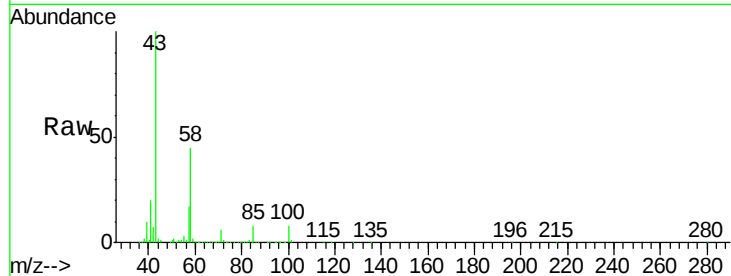
58 49.0 38.4 57.6

98 0.4 0.3 0.5

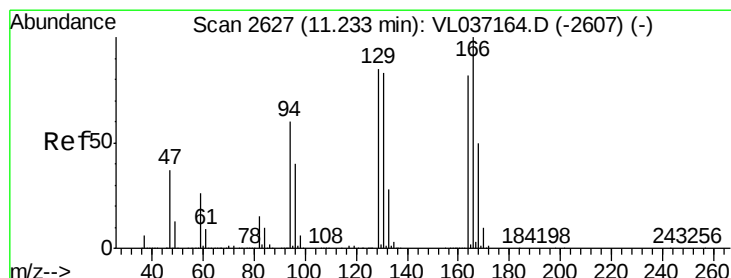
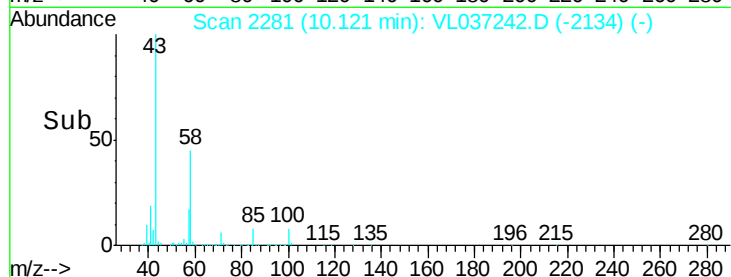
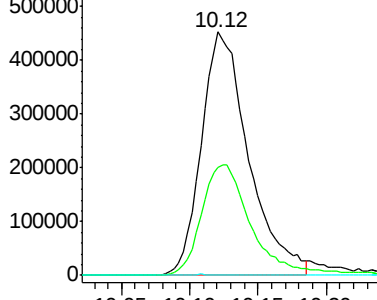
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 7.654 ppbv

RT: 11.21 min Scan# 2620

Delta R.T. -0.02 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Tgt Ion: 164 Resp: 1294085

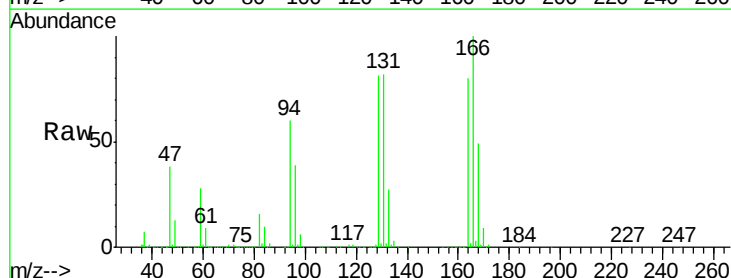
Ion Ratio Lower Upper

164 100

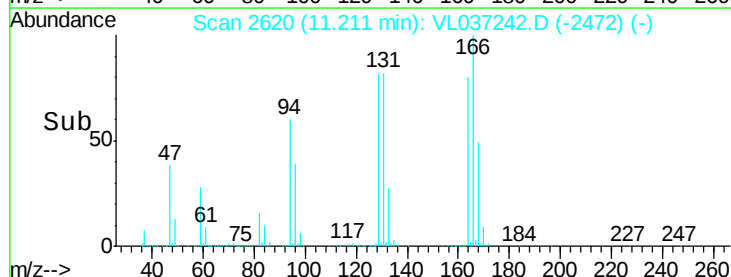
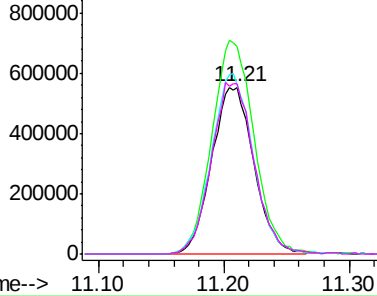
166 124.9 97.6 146.4

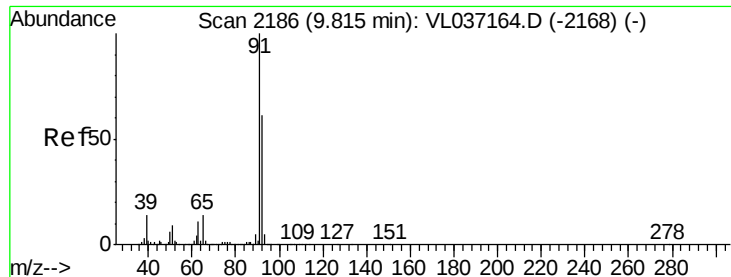
129 101.6 82.9 124.3

131 102.0 80.6 120.8



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 8.502 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. -0.03 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3695378

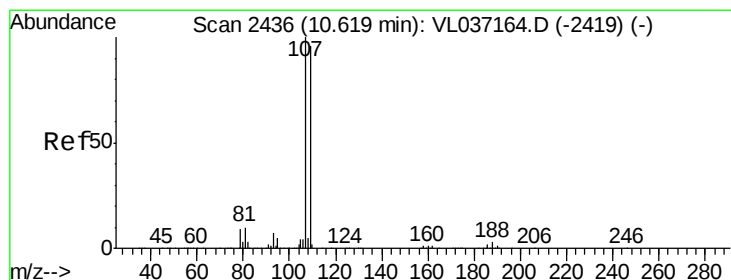
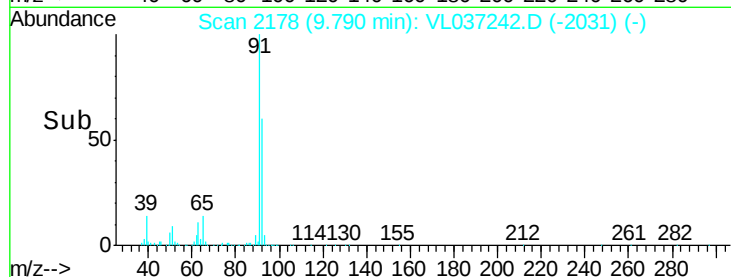
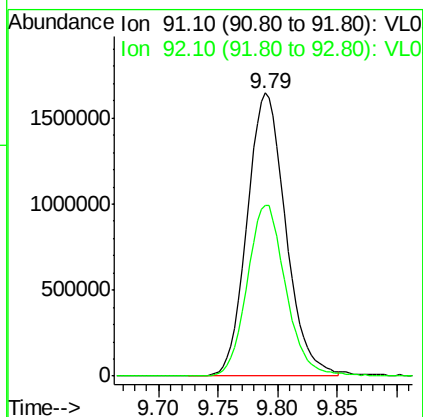
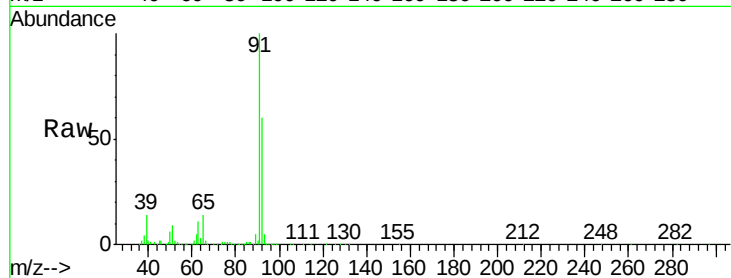
Ion Ratio Lower Upper

91 100

92 60.6 48.3 72.5

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#54

1,2-Dibromoethane

Concen: 8.837 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. -0.03 min

Lab File: VL037242.D

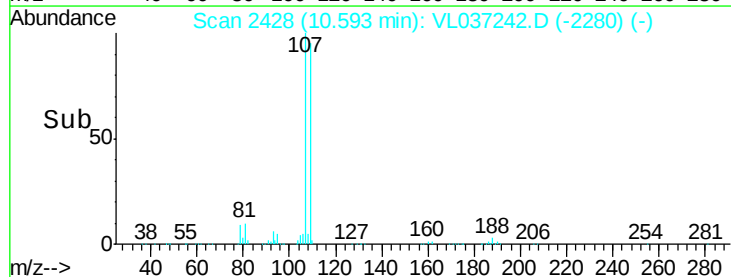
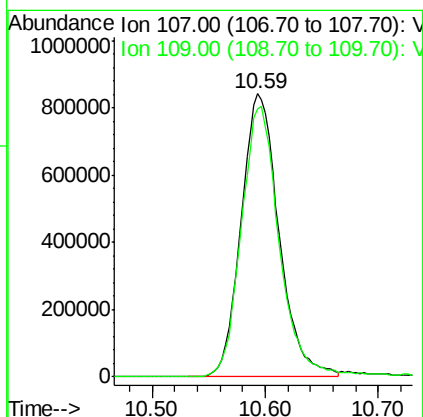
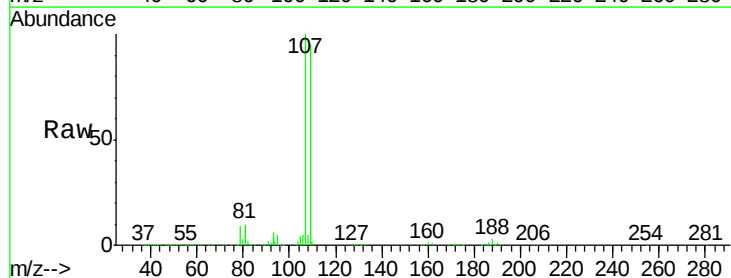
Acq: 23 Jun 2021 11:58

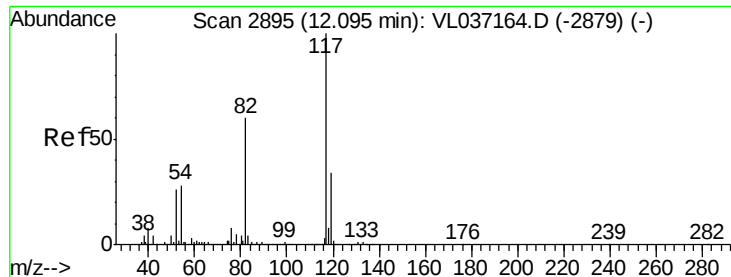
Tgt Ion: 107 Resp: 1959182

Ion Ratio Lower Upper

107 100

109 94.8 77.0 115.6





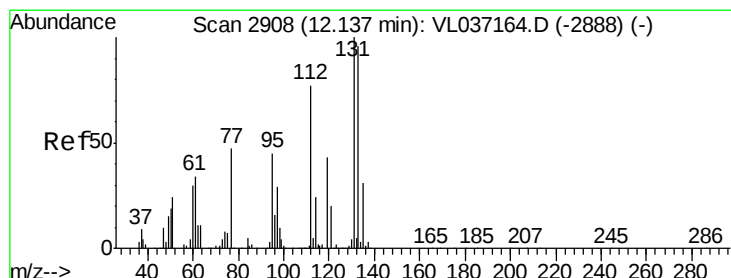
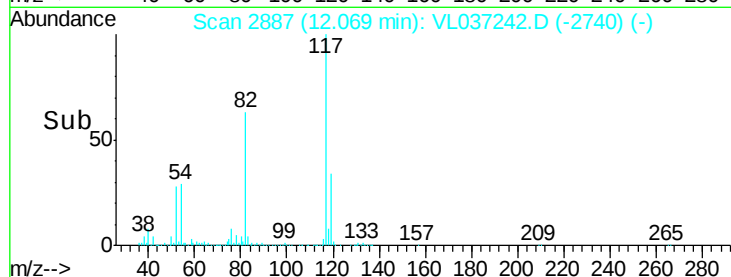
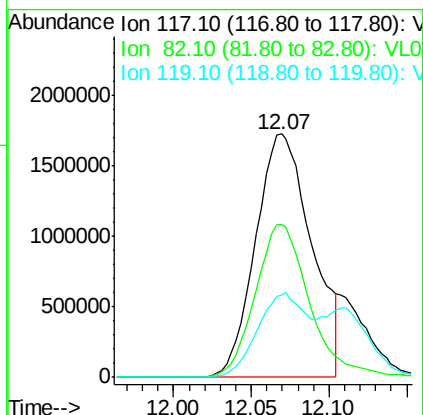
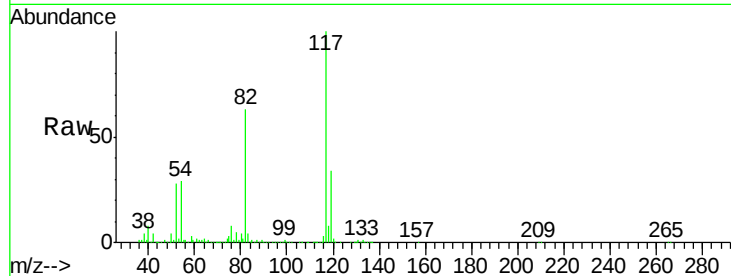
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.07 min Scan# 2887
Delta R.T. -0.03 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.6	51.7	77.5
119	55.1	47.6	71.4

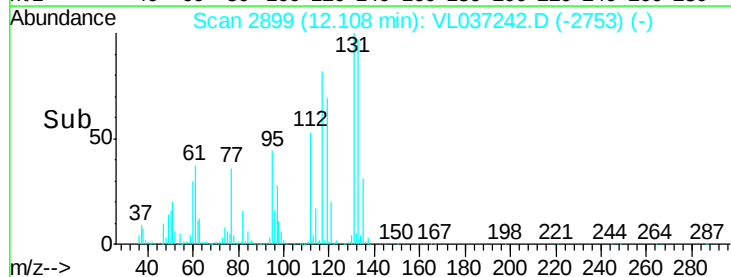
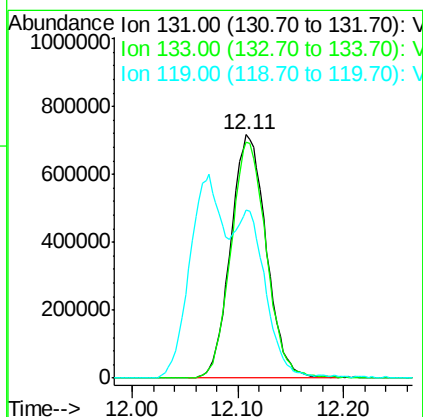
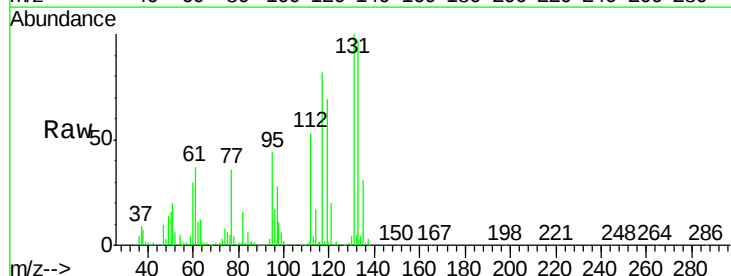
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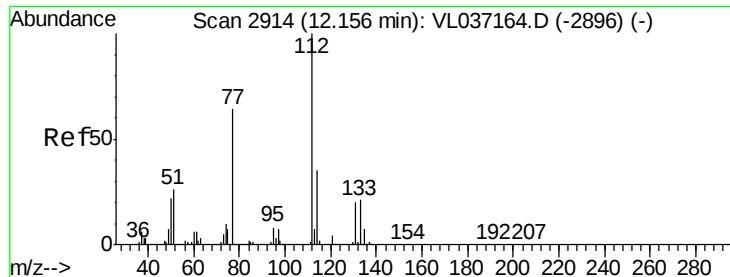
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.825 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.03 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.7	76.5	114.7
119	143.0	48.6	72.8#





#57

Chlorobenzene

Concen: 8.256 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. -0.03 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 112 Resp: 2910959

Ion Ratio Lower Upper

112 100

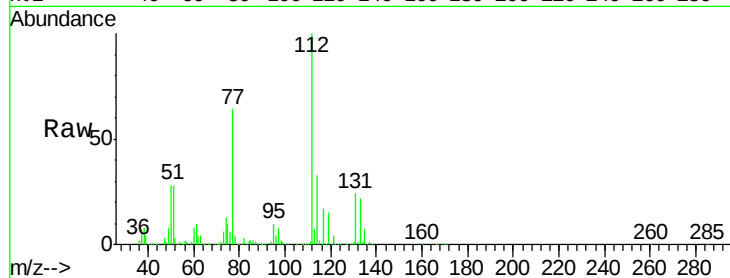
77 62.9 52.2 78.4

114 32.6 31.1 38.1

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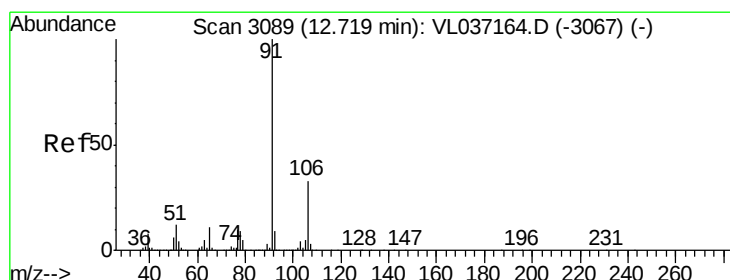
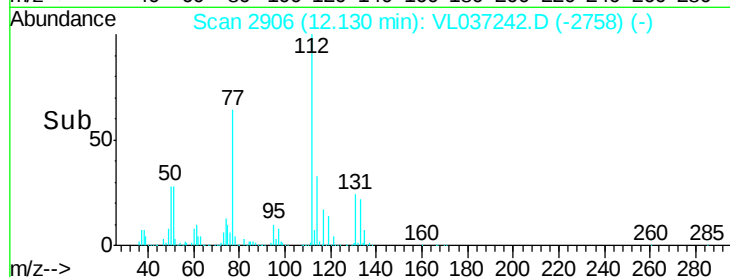
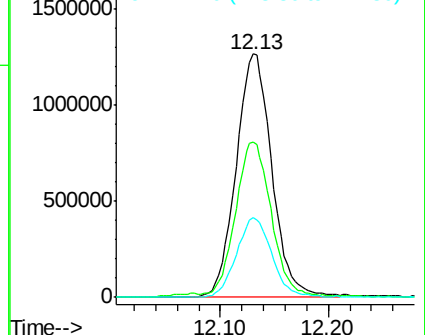
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.451 ppbv

RT: 12.70 min Scan# 3082

Delta R.T. -0.02 min

Lab File: VL037242.D

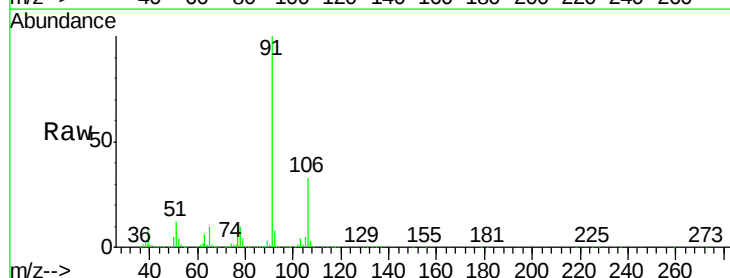
Acq: 23 Jun 2021 11:58

Tgt Ion: 91 Resp: 5057821

Ion Ratio Lower Upper

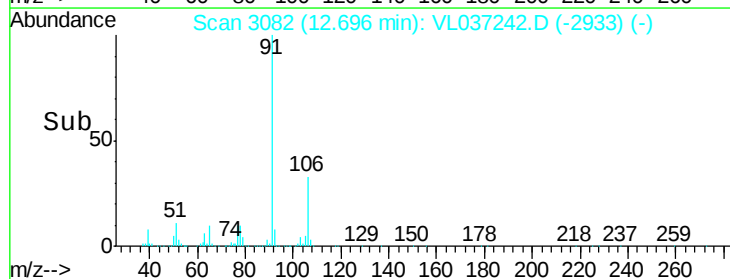
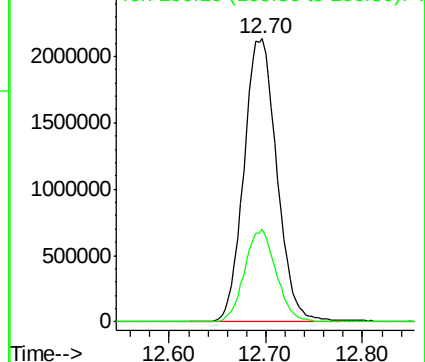
91 100

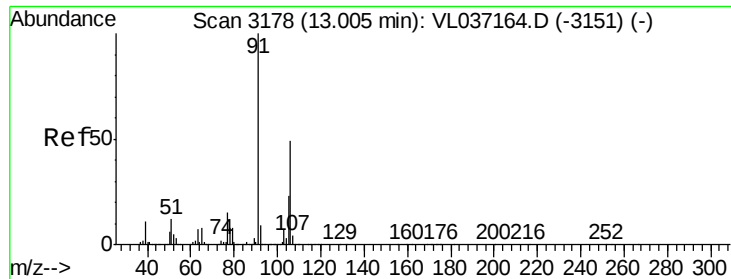
106 32.6 26.3 39.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





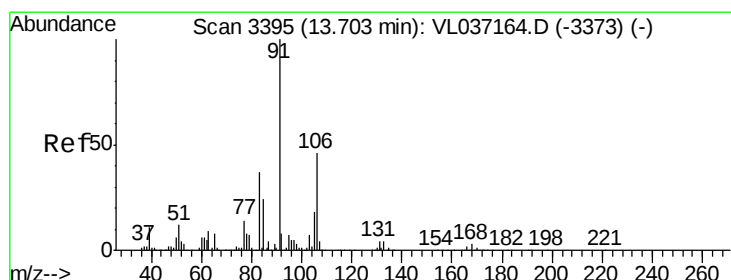
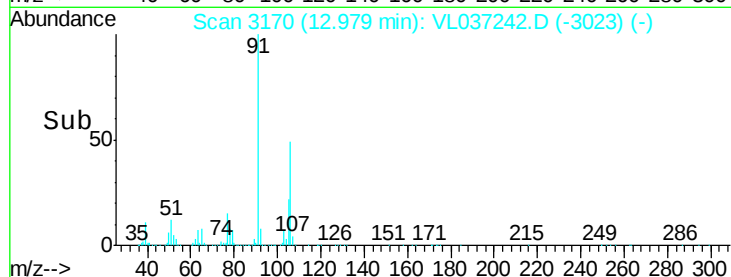
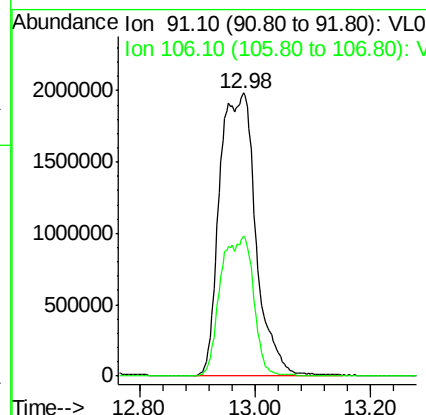
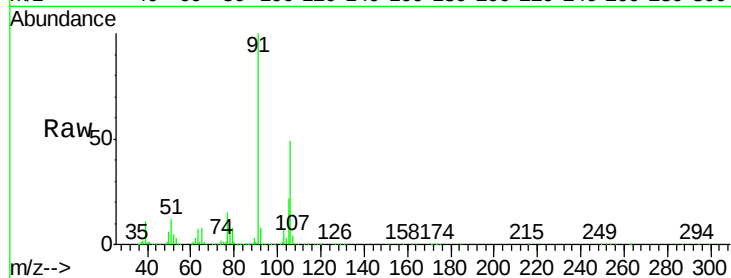
#59
m/p-Xylene
Concen: 17.030 ppbv m
RT: 12.98 min Scan# 3170
Delta R.T. -0.03 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 8637428
Ion Ratio Lower Upper
91 100
106 44.8 37.0 55.4

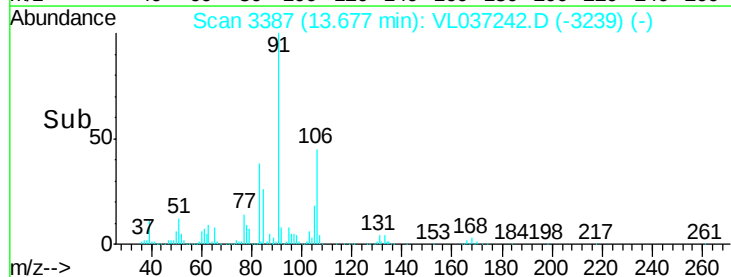
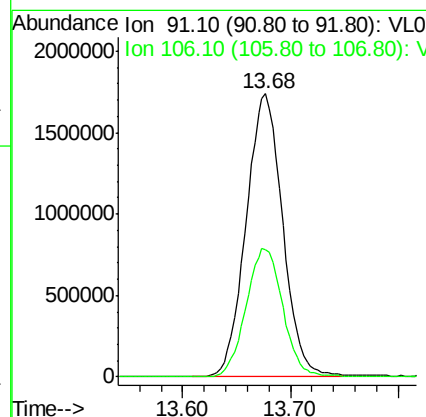
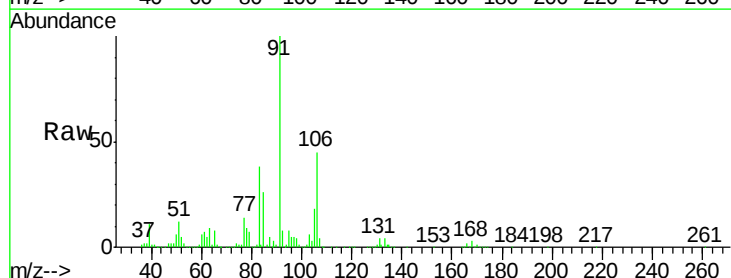
Manual Integrations
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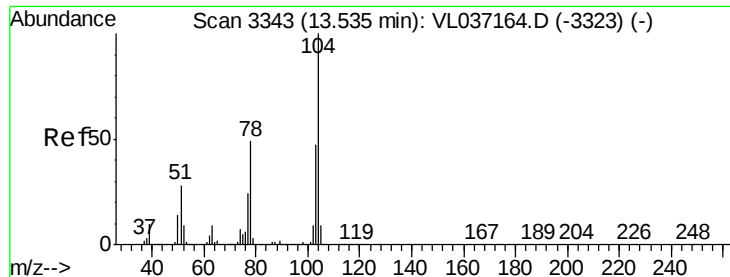
MMDadoda
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#60
o-Xylene
Concen: 8.461 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.03 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Tgt Ion: 91 Resp: 4086059
Ion Ratio Lower Upper
91 100
106 46.0 23.0 69.0





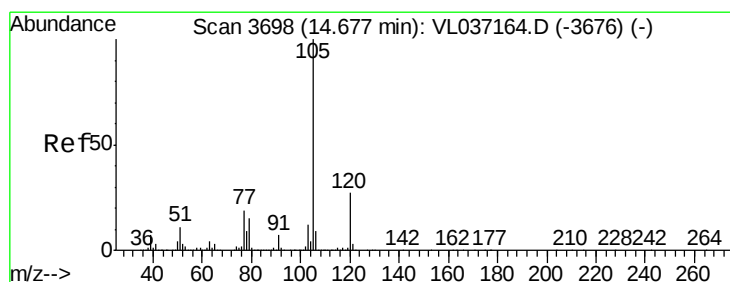
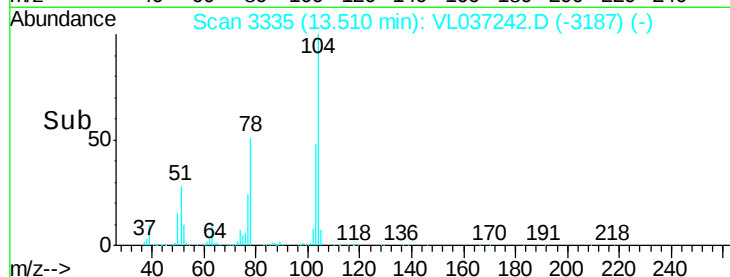
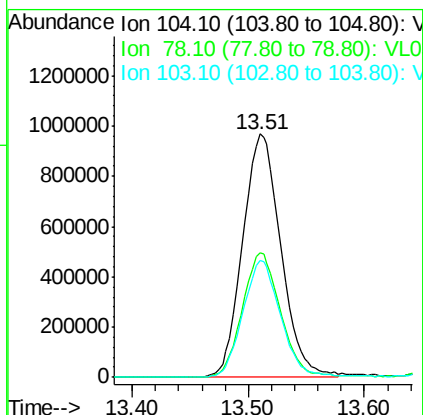
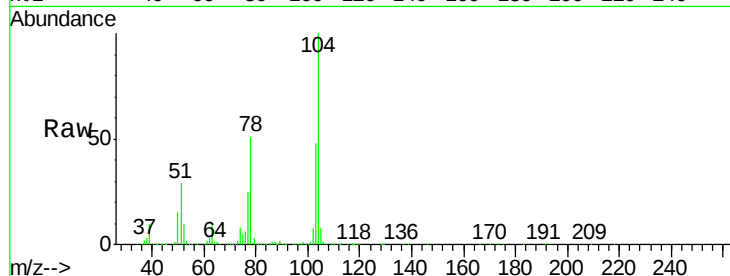
#61
Stvrene
Concen: 8.930 ppbv
RT: 13.51 min Scan# 3335
Delta R.T. -0.03 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.6	39.7	59.5
103	47.9	37.6	56.4

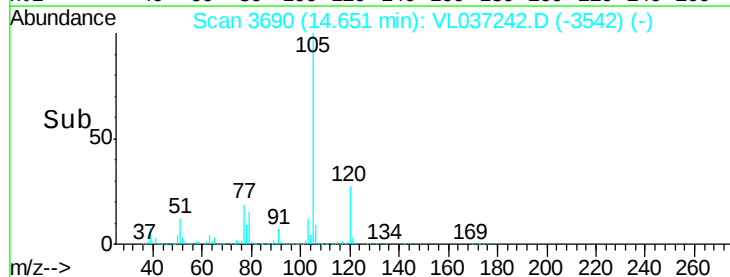
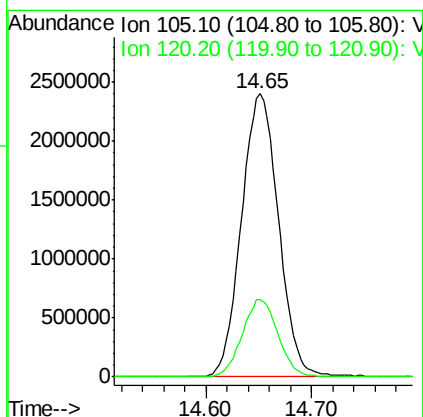
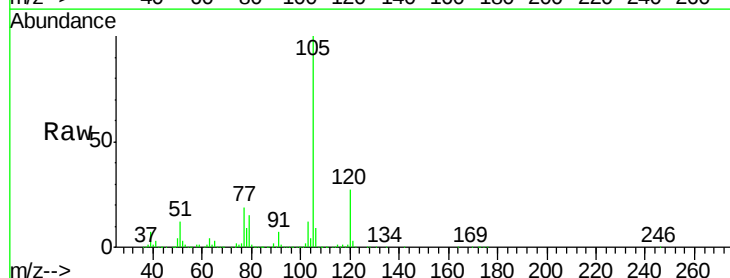
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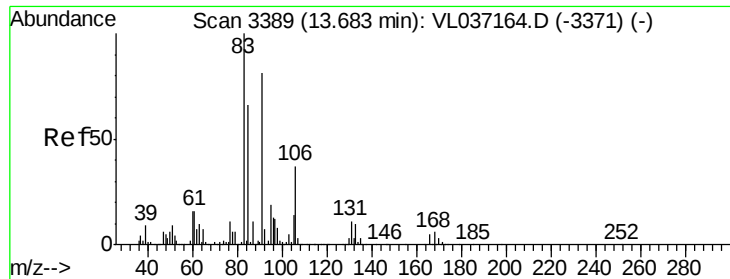
MMDadoda
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#62
Isopropylbenzene
Concen: 8.551 ppbv
RT: 14.65 min Scan# 3690
Delta R.T. -0.03 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	21.6	32.4





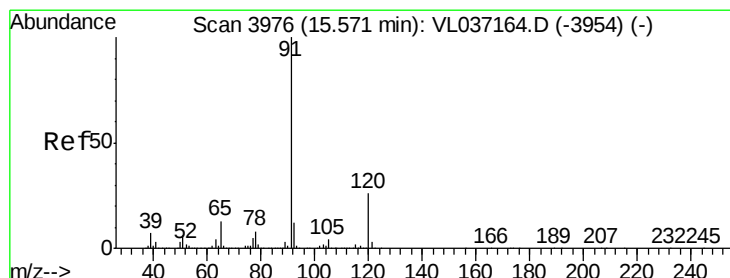
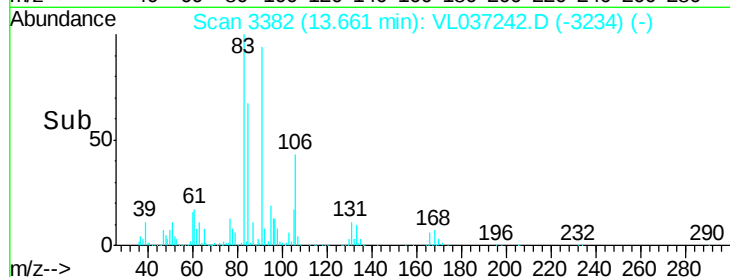
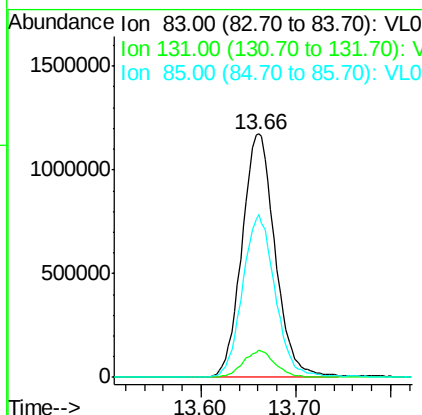
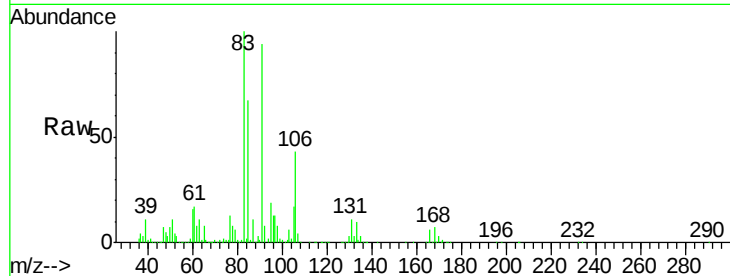
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.876 ppbv
 RT: 13.66 min Scan# 3382
 Delta R.T. -0.02 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	83	Resp	2854340
Ion Ratio	100	Lower	Upper
83	100		
131	11.0	5.4	16.2
85	66.0	33.1	99.2

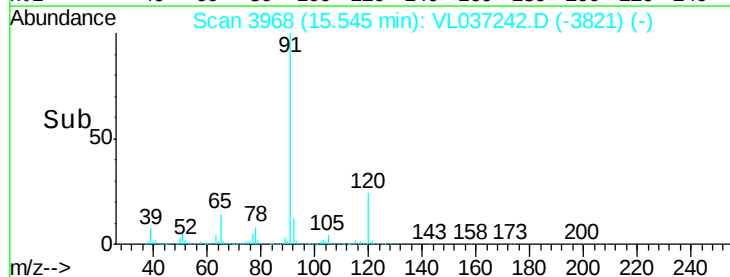
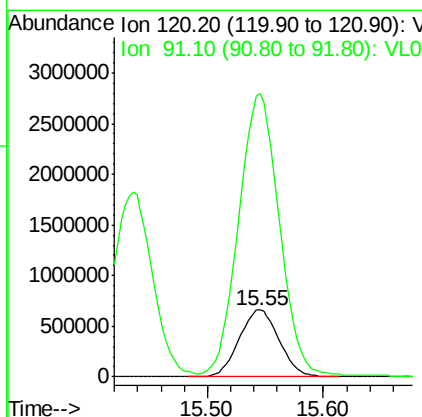
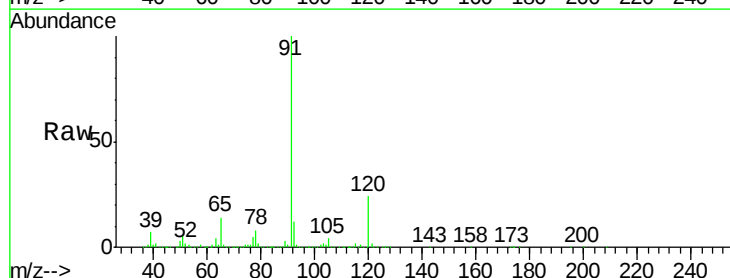
Manual Integrations
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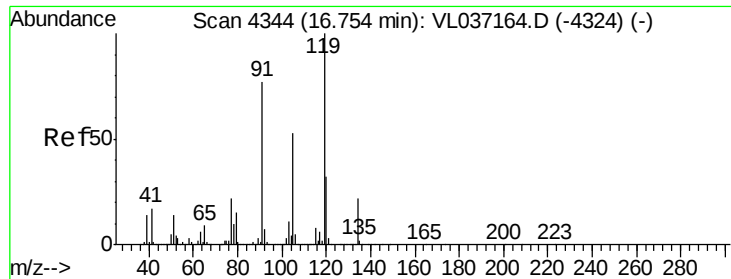
MMDadoda
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#64
 n-propylbenzene
 Concen: 9.202 ppbv
 RT: 15.55 min Scan# 3968
 Delta R.T. -0.03 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

Tgt Ion	120	Resp	1582572
Ion Ratio	100	Lower	Upper
120	100		
91	433.1	343.3	514.9





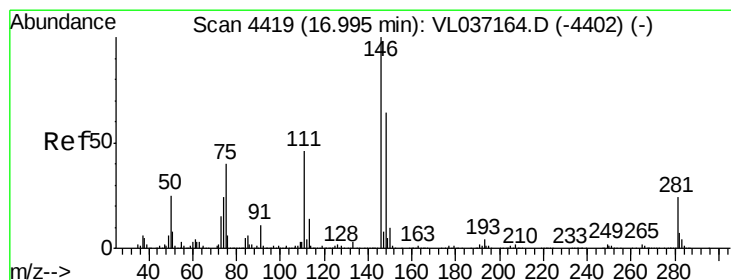
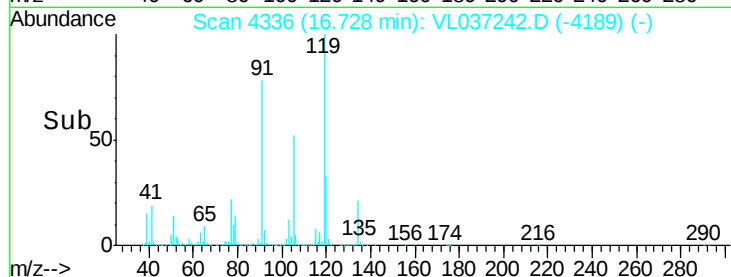
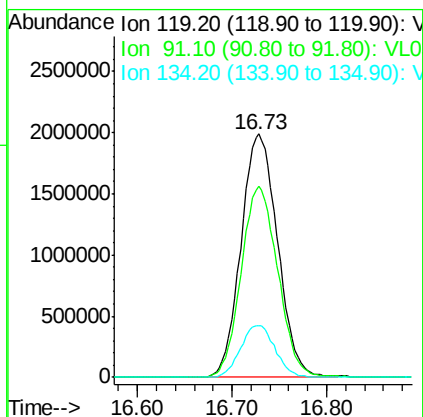
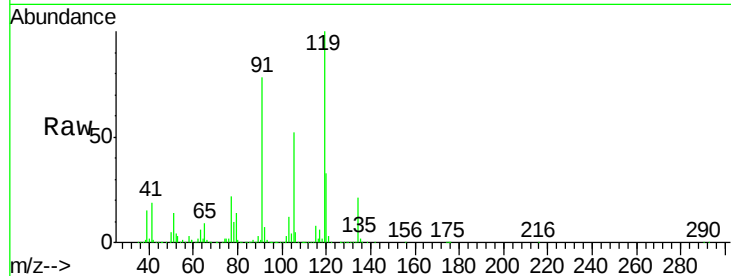
#65
tert-Butylbenzene
Concen: 8.766 ppbv
RT: 16.73 min Scan# 4336
Delta R.T. -0.03 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	78.9	62.6	93.8
134	20.3	16.2	24.4

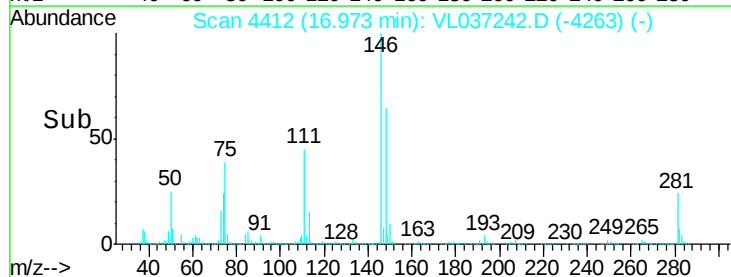
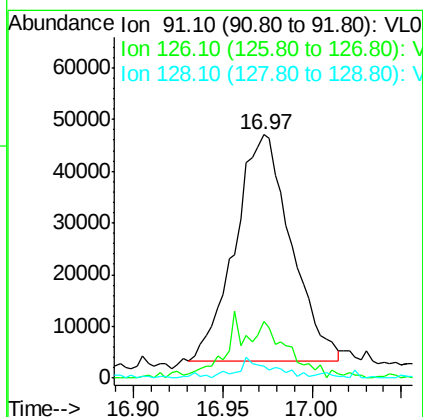
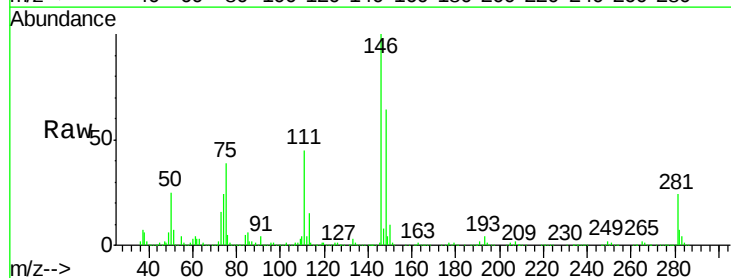
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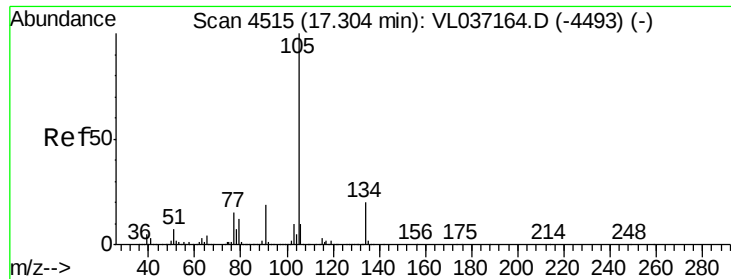
MMDadoda
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#66
Benzyl Chloride
Concen: 3.705 ppbv
RT: 16.97 min Scan# 4412
Delta R.T. -0.02 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.5	15.5	23.3#
128	6.8	5.7	8.5





#67

sec-Butylbenzene

Concen: 8.819 ppbv

RT: 17.28 min Scan# 4507

Delta R.T. -0.03 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 7162981

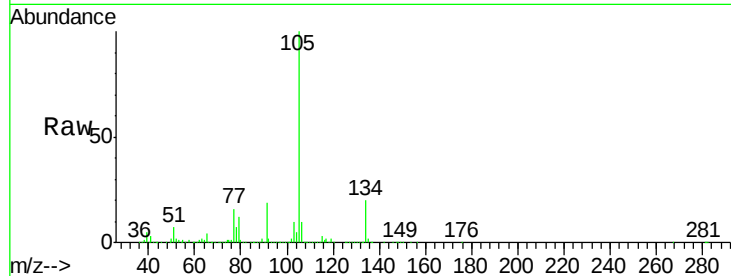
Ion Ratio Lower Upper

105 100

134 19.4 15.8 23.6

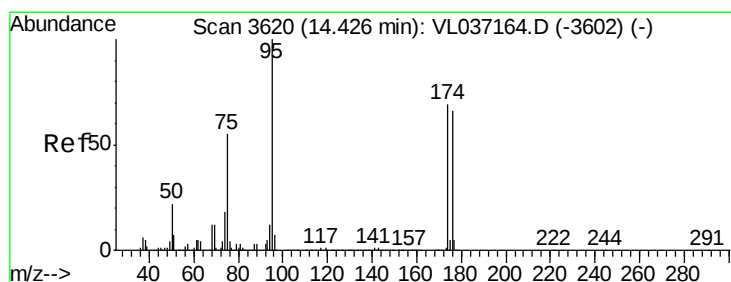
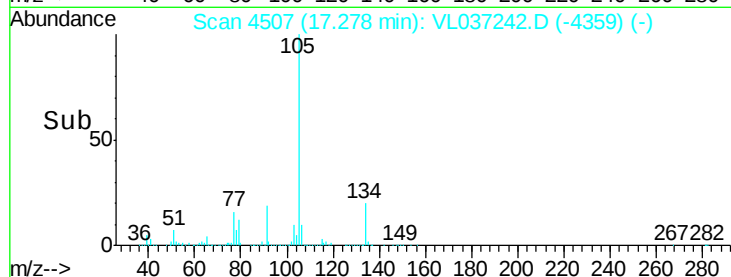
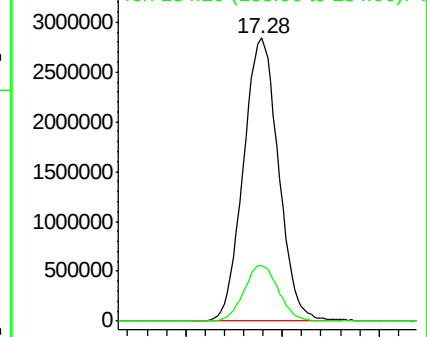
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.783 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.03 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

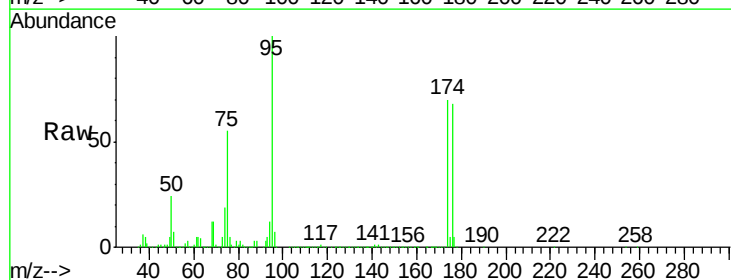
Tgt Ion: 95 Resp: 3222910

Ion Ratio Lower Upper

95 100

174 71.0 57.0 85.4

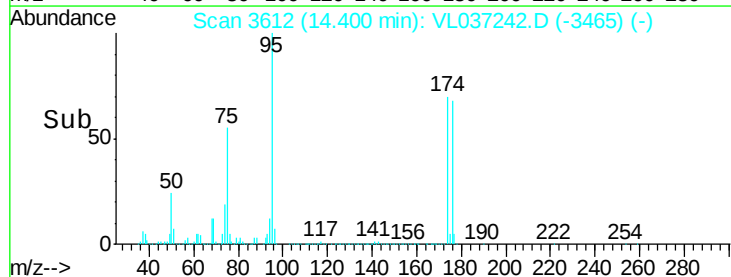
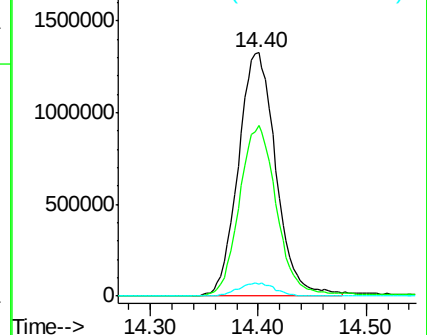
175 5.4 4.4 6.6

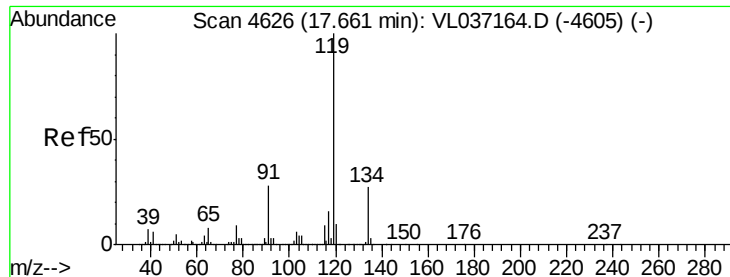


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





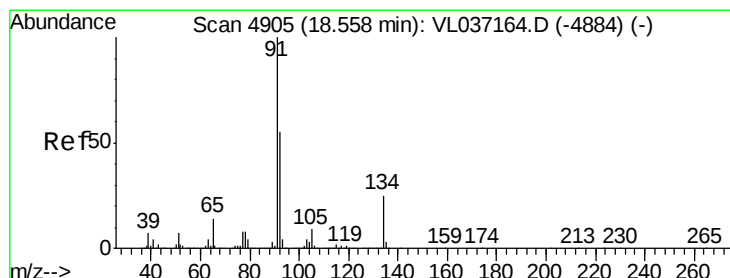
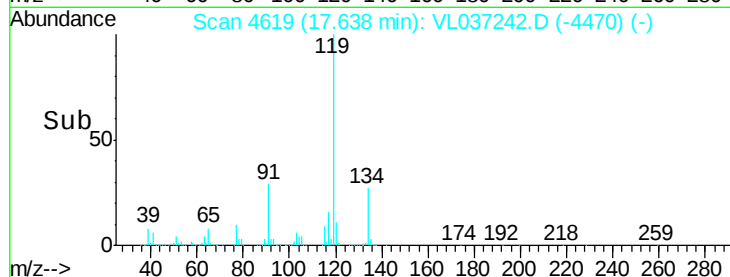
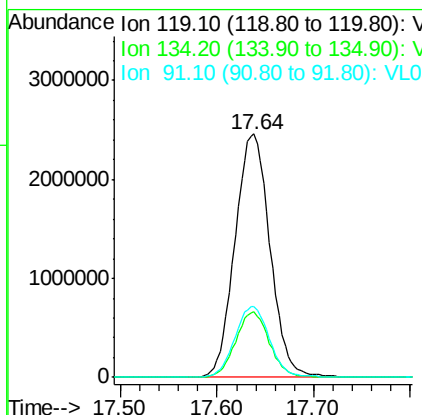
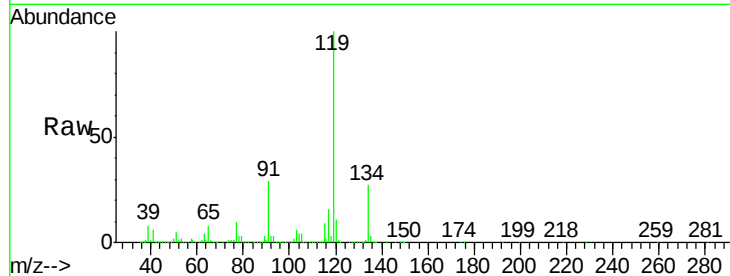
#69
 p-Isopropyltoluene
 Concen: 9.024 ppbv
 RT: 17.64 min Scan# 4619
 Delta R.T. -0.02 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.9	31.3
91	28.9	22.6	34.0

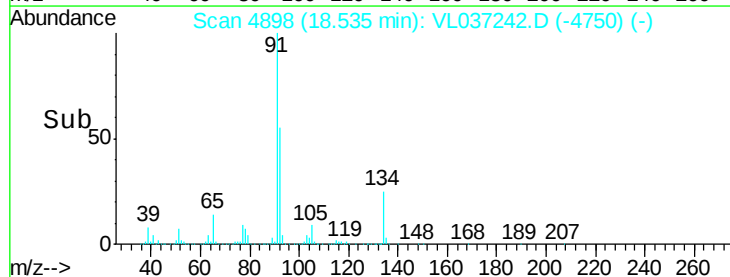
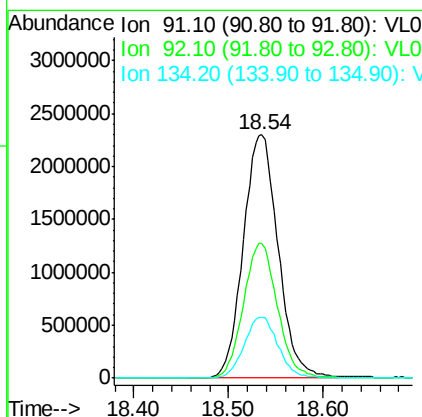
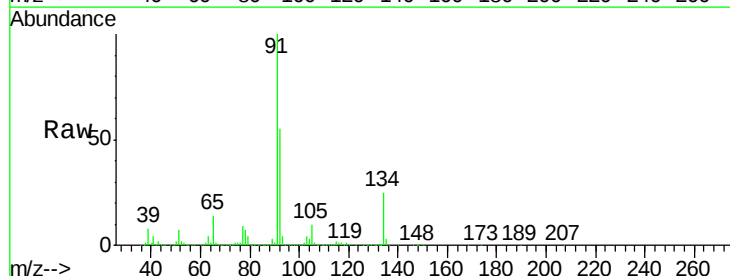
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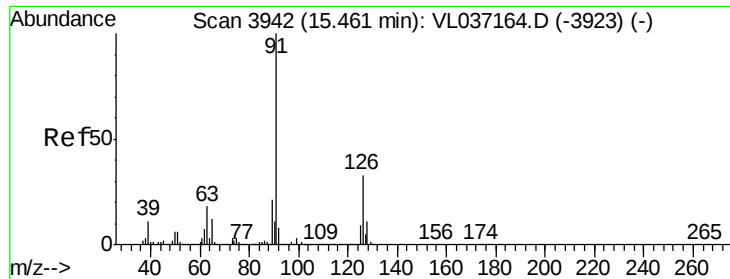
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#70
 n-Butylbenzene
 Concen: 9.246 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. -0.02 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.5	44.0	66.0
134	24.7	20.2	30.4





#71

2-Chlorotoluene

Concen: 9.056 ppbv

RT: 15.44 min Scan# 3934

Delta R.T. -0.03 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4348183

Ion Ratio Lower Upper

91 100

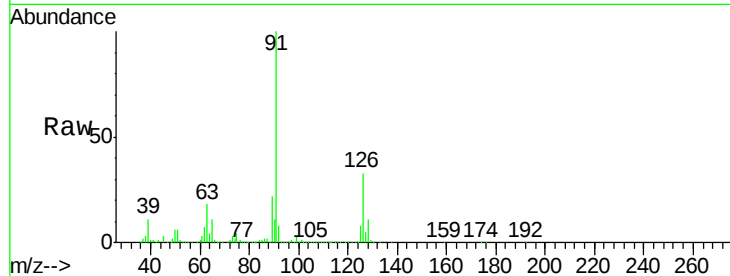
126 33.2 13.5 54.1

Manual Integrations

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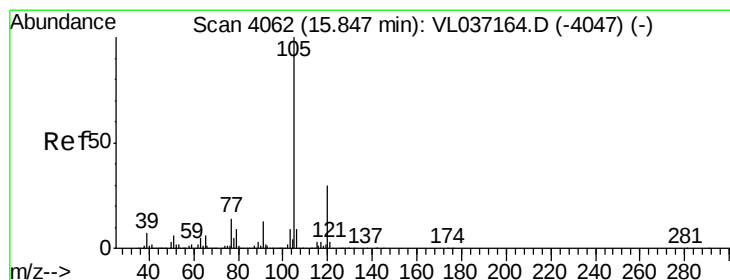
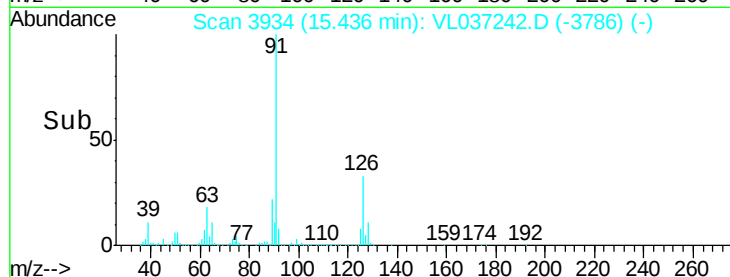
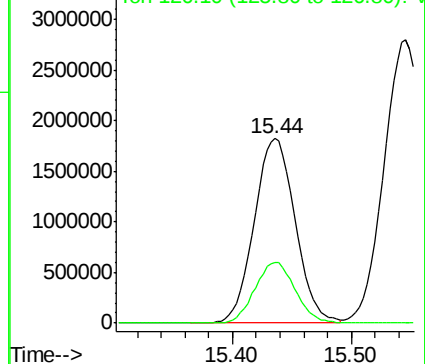
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.047 ppbv

RT: 15.82 min Scan# 4054

Delta R.T. -0.03 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Tgt Ion:105 Resp: 4963808

Ion Ratio Lower Upper

105 100

120 30.7 24.7 37.1

91 13.2 10.2 15.4

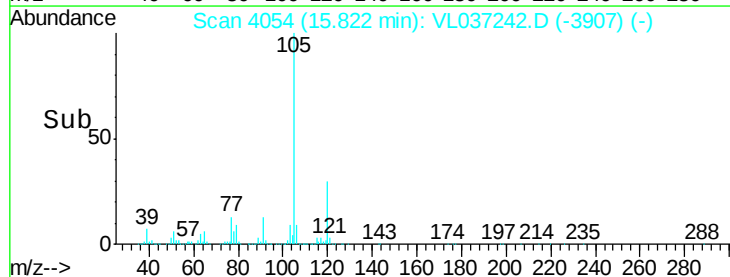
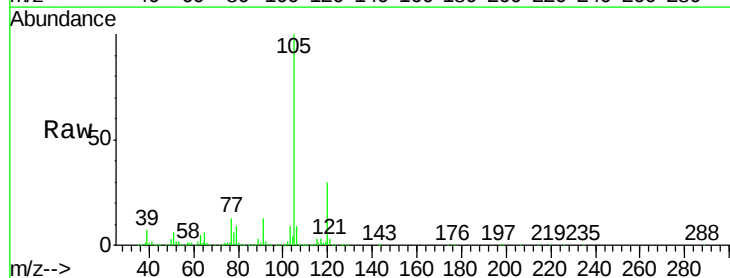
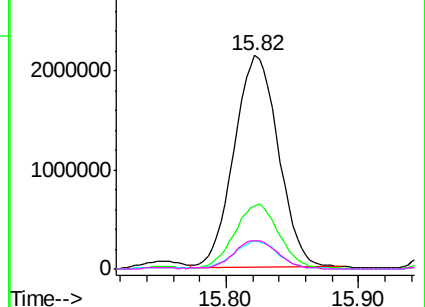
77 13.6 11.0 16.6

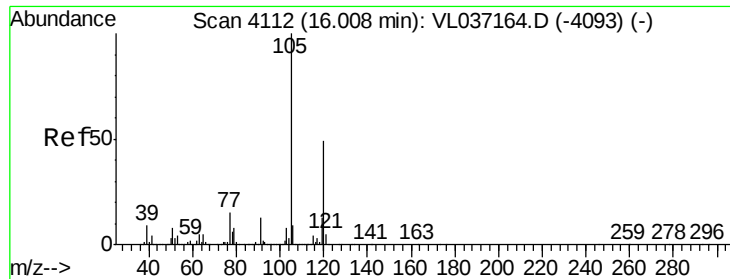
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.454 ppbv

RT: 15.98 min Scan# 4103

Delta R.T. -0.03 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 4483249

Ion Ratio Lower Upper

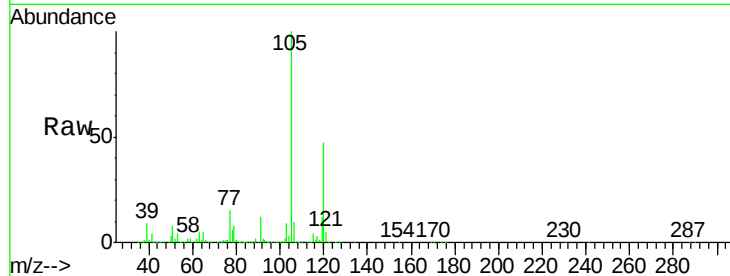
105 100

120 47.6 39.4 59.2

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.98

2000000

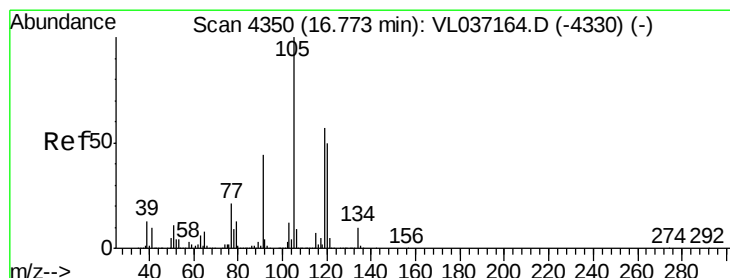
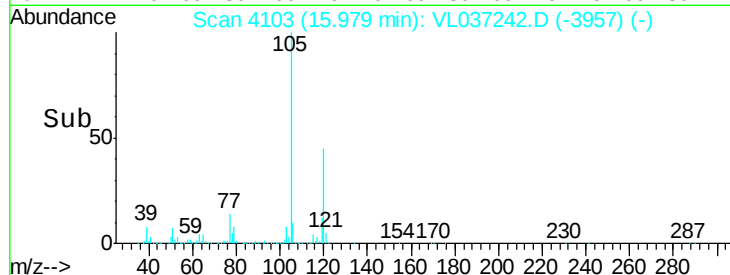
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.718 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.03 min

Lab File: VL037242.D

Acq: 23 Jun 2021 11:58

Tgt Ion:105 Resp: 4763935

Ion Ratio Lower Upper

105 100

120 48.3 39.8 59.8

91 45.7 37.0 55.4

77 21.2 17.0 25.4

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

3000000

2500000

2000000

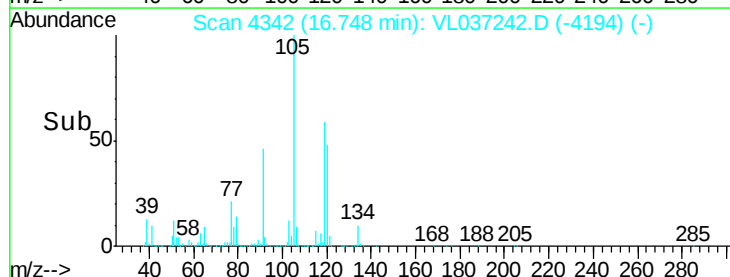
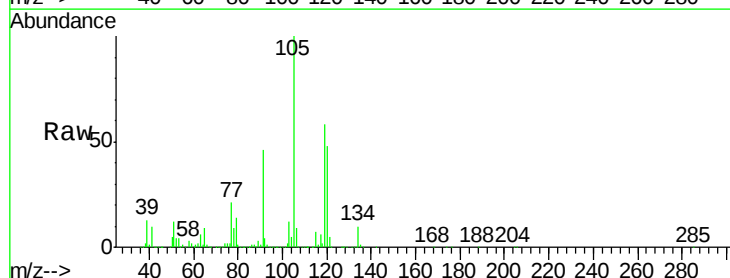
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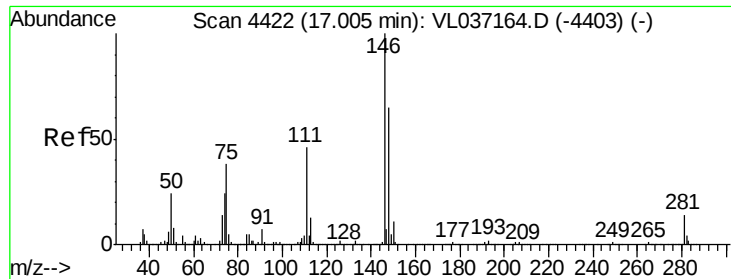
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Time-->





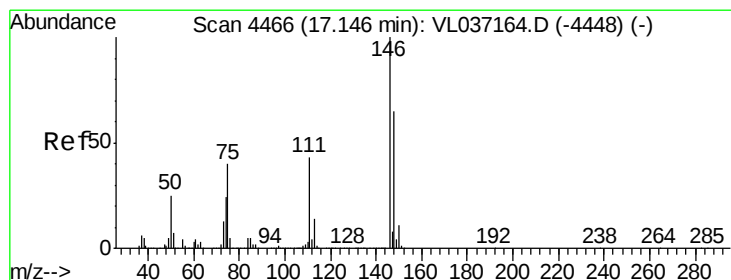
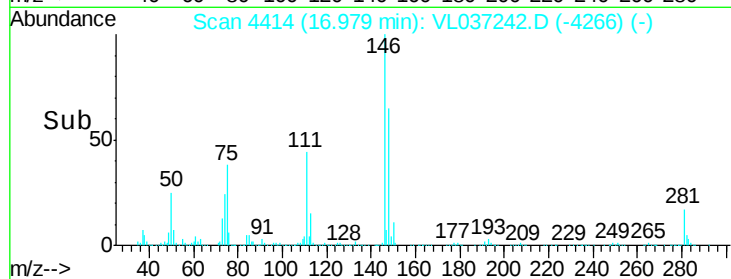
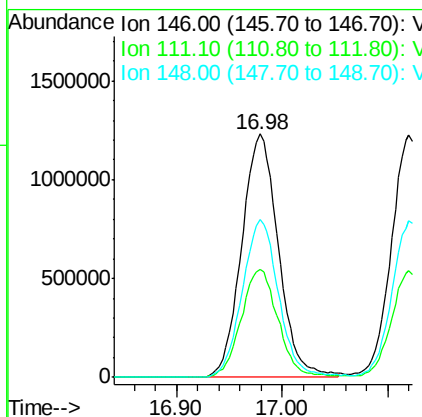
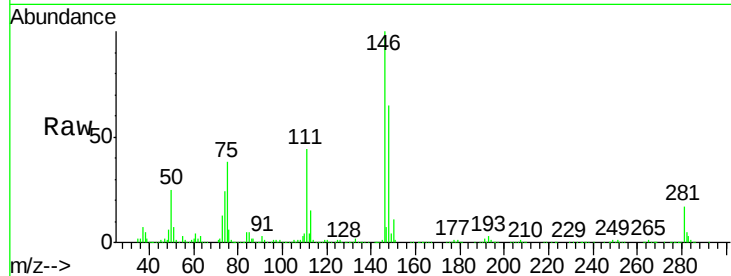
#75
 1,3-Dichlorobenzene
 Concen: 8.981 ppbv
 RT: 16.98 min Scan# 4414
 Delta R.T. -0.03 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 2983783
 Ion Ratio Lower Upper
 146 100
 111 44.9 22.2 66.6
 148 64.4 32.4 97.2

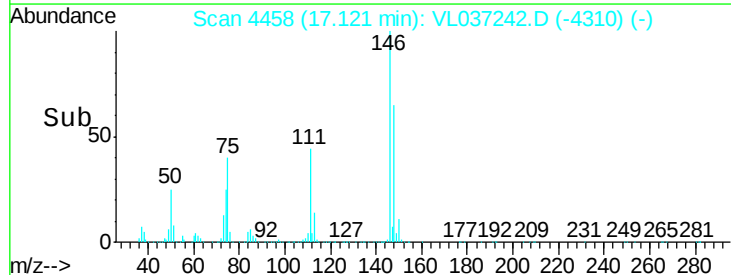
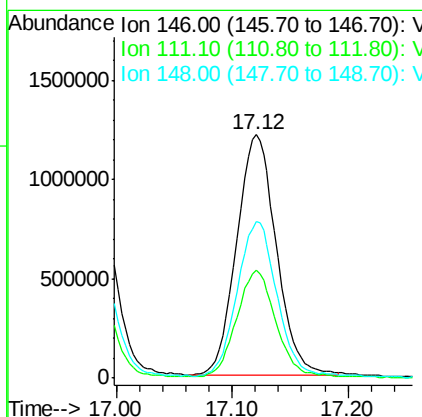
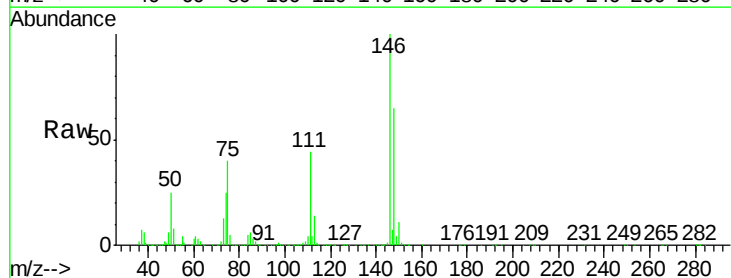
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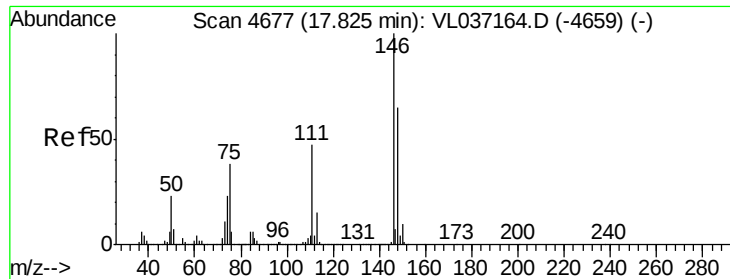
MMDadoda
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#76
 1,4-Dichlorobenzene
 Concen: 8.660 ppbv
 RT: 17.12 min Scan# 4458
 Delta R.T. -0.03 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

Tgt Ion:146 Resp: 2873736
 Ion Ratio Lower Upper
 146 100
 111 45.5 22.7 68.0
 148 67.1 33.7 101.1





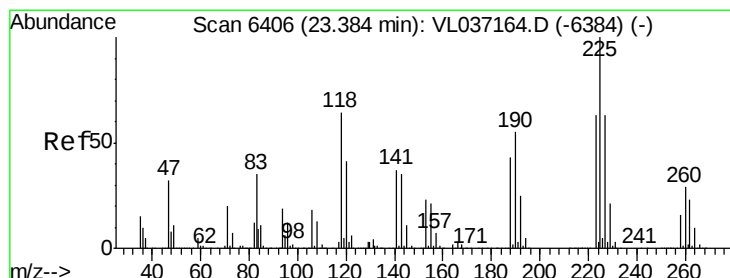
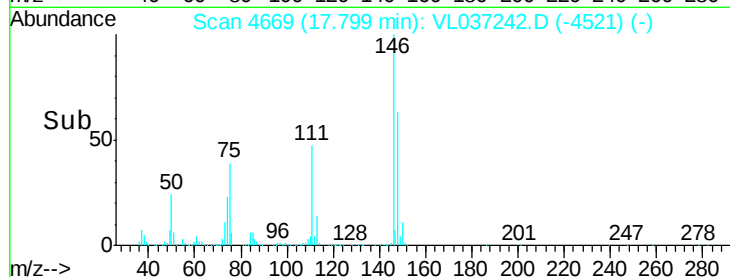
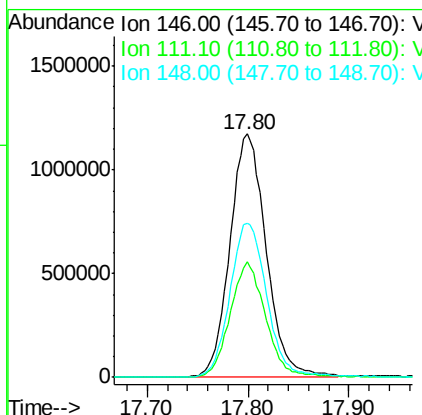
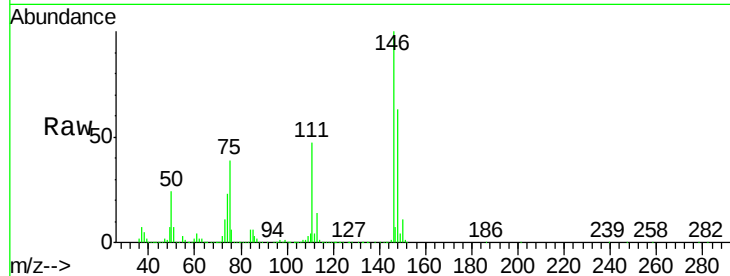
#77
 1,2-Dichlorobenzene
 Concen: 9.066 ppbv
 RT: 17.80 min Scan# 4669
 Delta R.T. -0.03 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.3	69.8
148	65.3	32.4	97.0

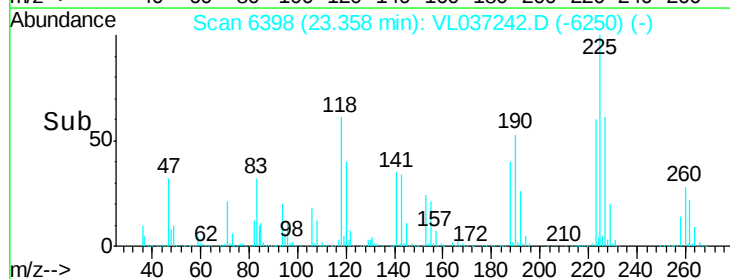
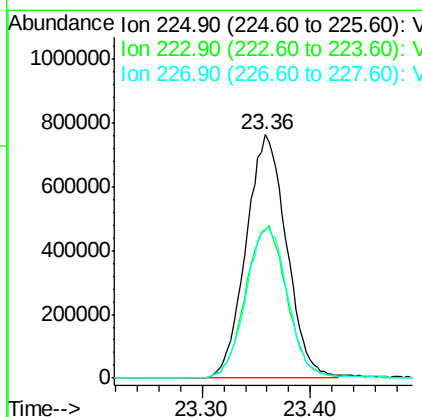
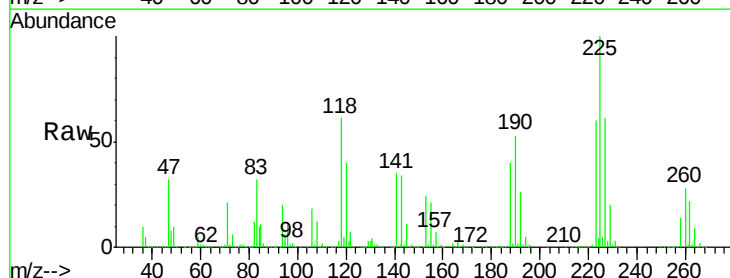
Manual Integrations
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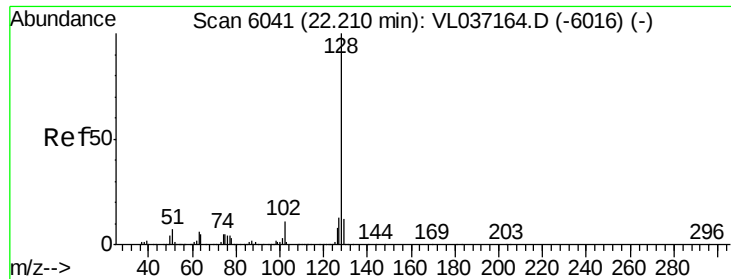
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.220 ppbv
 RT: 23.36 min Scan# 6398
 Delta R.T. -0.03 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	51.8	77.8
227	64.5	51.4	77.0





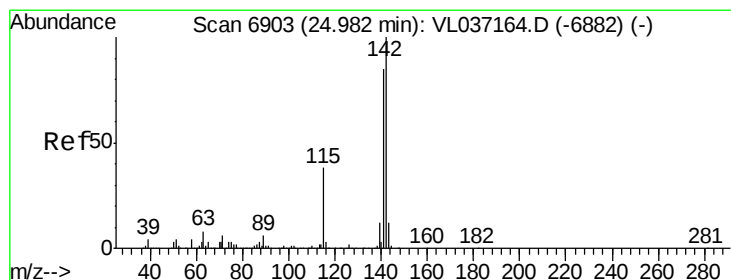
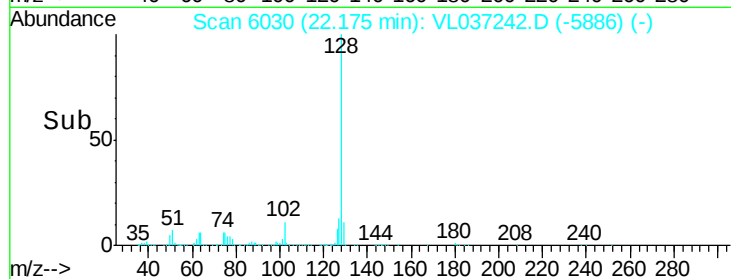
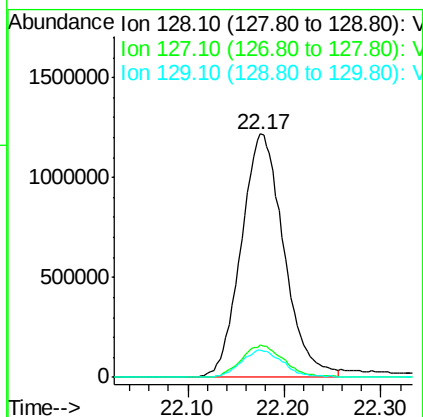
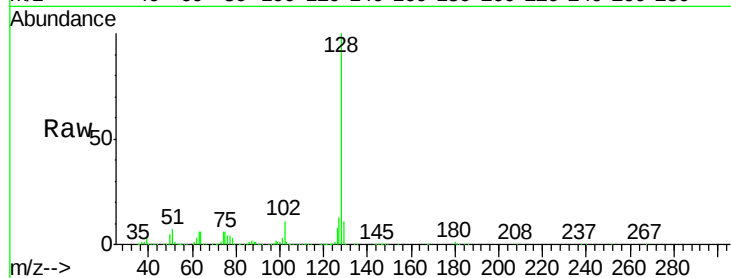
#79
Naphthalene
Concen: 8.191 ppbv
RT: 22.17 min Scan# 6030
Delta R.T. -0.04 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.7	16.1
129	11.4	9.3	13.9

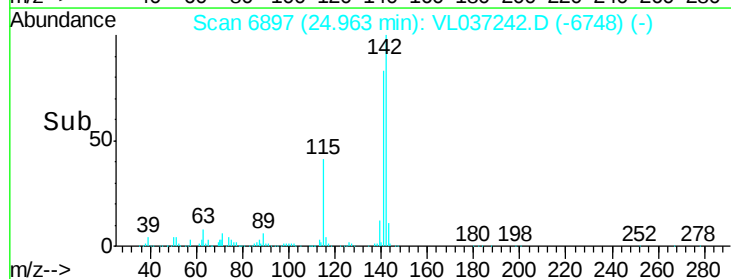
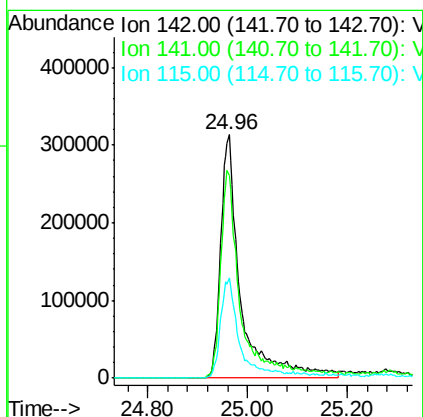
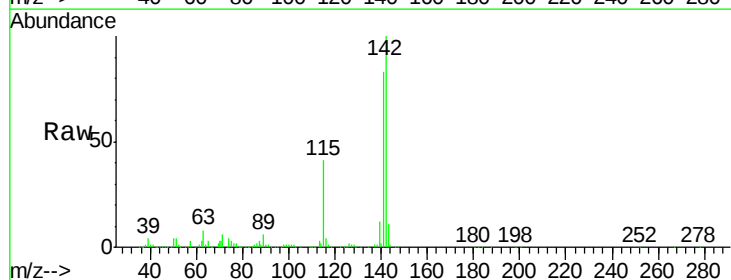
Manual Integrations
APPROVED

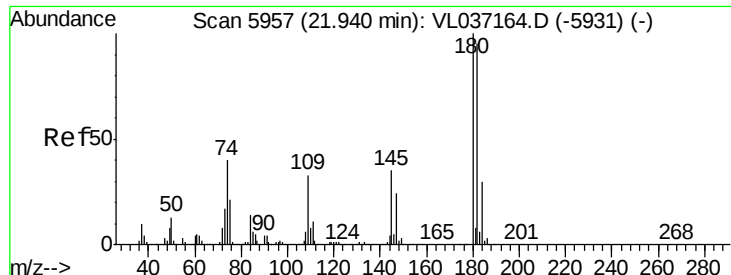
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#80
Naphthalene, 2-methyl-
Concen: 7.387 ppbv
RT: 24.96 min Scan# 6897
Delta R.T. -0.02 min
Lab File: VL037242.D
Acq: 23 Jun 2021 11:58

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.5	63.7	95.5
115	41.3	30.6	45.8





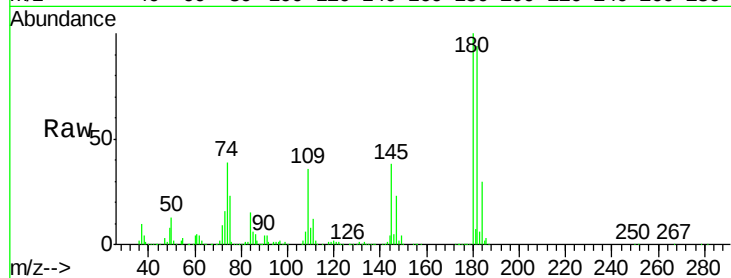
#81
 1,2,4-Trichlorobenzene
 Concen: 8.286 ppbv
 RT: 21.91 min Scan# 5947
 Delta R.T. -0.03 min
 Lab File: VL037242.D
 Acq: 23 Jun 2021 11:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.2	79.3	118.9
184	32.1	24.7	37.1

Manual Integrations
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Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

