

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062921\
 Data File : VL037265.D
 Acq On : 30 Jun 2021 1:24
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 7/5/2021 3:39:16 PM

Quant Time: Jun 30 09:04:12 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	5.66	49	1587567	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	4692276	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	4248004m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3455979	10.74	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2566558	9.296	ppbv	98
3) Chlorodifluoromethane	2.98	51	2616615	8.476	ppbv	100
4) Chloromethane	3.14	50	858146	8.341	ppbv	100
5) Vinyl Chloride	3.25	62	935419	8.273	ppbv	96
6) Bromomethane	3.47	94	496674	7.363	ppbv	99
7) Chloroethane	3.55	64	327476	8.102	ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	2327159	8.216	ppbv	98
9) Propene	3.01	41	814721	8.254	ppbv	98
10) Heptane	8.11	43	2059221	8.614	ppbv	99
11) Trichlorofluoromethane	3.95	101	2428170	8.242	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1810439	8.718	ppbv	100
13) Ethanol	3.61	45	90598	5.934	ppbv	53
14) Bromoethene	3.74	108	731811	8.443	ppbv	99
15) Acetone	3.85	43	1326163	7.408	ppbv	96
16) 1,3-Butadiene	3.32	39	939537	8.877	ppbv	96
17) tert-Butyl alcohol	4.29	59	1396507	8.440	ppbv	99
18) 1,1-Dichloroethene	4.29	96	799405	8.687	ppbv	95
19) Isopropyl Alcohol	3.97	45	786568	7.254	ppbv #	1
20) Methylene Chloride	4.34	84	697964m	6.512	ppbv	
21) Allyl Chloride	4.41	41	1116118	8.271	ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	833881	9.157	ppbv	98
23) Vinyl Acetate	5.07	43	2088625	8.136	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1675148	8.105	ppbv	100
25) Ethyl Acetate	5.67	43	3155763	8.142	ppbv	99
26) Hexane	5.68	57	1544882	7.887	ppbv	97
27) Carbon Disulfide	4.55	76	1851581	9.648	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1731681	7.353	ppbv	99
29) Chloroform	5.75	83	2475886	8.182	ppbv	100
30) Cyclohexane	7.12	84	1373551	8.416	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1556283	8.646	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	2596250	8.018	ppbv	99
34) 2-Butanone	5.24	43	1388463	7.609	ppbv	99
35) Carbon Tetrachloride	7.01	117	2700772	8.582	ppbv	99
36) Benzene	6.89	78	3225616	8.501	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1886761	8.560	ppbv	99
38) Trichloroethene	7.83	130	1328069	7.363	ppbv	100
39) 1,2-Dichloropropane	7.61	63	1237542	8.777	ppbv	96
40) 1,4-Dioxane	7.83	88	317861	8.221	ppbv	79
41) Tetrahydrofuran	6.05	42	701152	8.272	ppbv	99
42) Bromodichloromethane	7.79	83	2660414	8.749	ppbv	99
43) Methyl Methacrylate	8.01	69	1243174	9.487	ppbv	99

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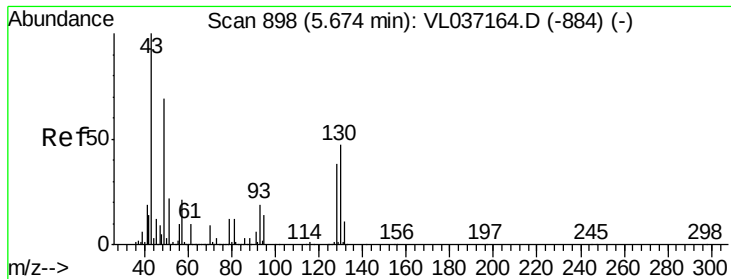
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5368147	8.402	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	895439	7.745	ppbv	97
46) cis-1,3-Dichloropropene	8.70	75	1198913	7.581	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1388167	8.630	ppbv	98
48) Dibromochloromethane	10.30	129	2459214	9.685	ppbv	100
49) Bromoform	13.03	173	2084825	11.021	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2212029	8.825	ppbv	100
51) 2-Hexanone	10.13	43	1155840	9.478	ppbv #	97
52) Tetrachloroethene	11.22	164	1349811	7.656	ppbv	99
53) Toluene	9.80	91	3915658	8.639	ppbv	100
54) 1,2-Dibromoethane	10.60	107	2023135	8.752	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.12	131	1718041	9.250	ppbv #	55
57) Chlorobenzene	12.14	112	2967686	8.614	ppbv	98
58) Ethyl Benzene	12.70	91	5257442	8.990	ppbv	99
59) m/p-Xylene	12.99	91	8894854m	17.948	ppbv	
60) o-Xylene	13.69	91	4208097	8.918	ppbv	99
61) Styrene	13.52	104	2313385	9.499	ppbv	98
62) Isopropylbenzene	14.66	105	6053998	9.022	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2923504	9.305	ppbv	99
64) n-propylbenzene	15.55	120	1609766	9.580	ppbv	96
65) tert-Butylbenzene	16.74	119	5461740	9.177	ppbv	99
66) Benzyl Chloride	16.98	91	167447m	6.640	ppbv	
67) sec-Butylbenzene	17.29	105	7320564	9.225	ppbv	99
69) p-Isopropyltoluene	17.64	119	6322504	9.432	ppbv	99
70) n-Butylbenzene	18.54	91	6029630	9.719	ppbv	100
71) 2-Chlorotoluene	15.44	91	4469856	9.528	ppbv	99
72) 4-Ethyltoluene	15.83	105	5124057	9.558	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	4620163	8.916	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	4866644	9.115	ppbv	97
75) 1,3-Dichlorobenzene	16.99	146	3051612	9.400	ppbv	98
76) 1,4-Dichlorobenzene	17.13	146	2950413	9.099	ppbv	100
77) 1,2-Dichlorobenzene	17.81	146	3015444	9.602	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	2078766	7.699	ppbv	99
79) Naphthalene	22.19	128	3923585	8.814	ppbv	98
80) Naphthalene, 2-methyl-	24.97	142	788963	6.758	ppbv	97
81) 1,2,4-Trichlorobenzene	21.92	180	2279582	8.874	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

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ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1587567

Ion Ratio Lower Upper

49 100

128 57.6 29.3 88.0

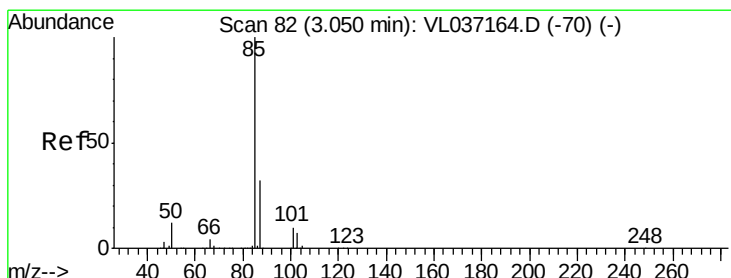
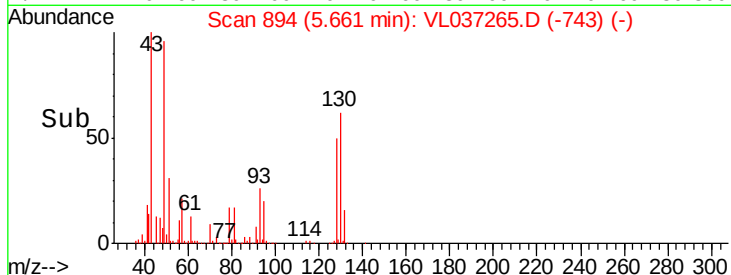
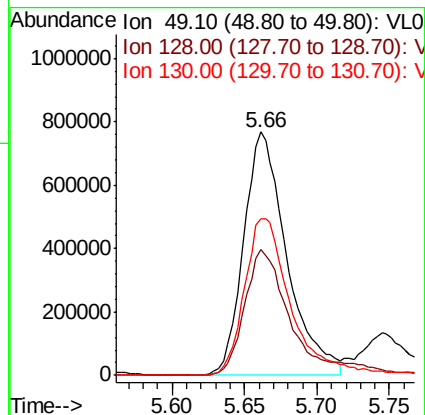
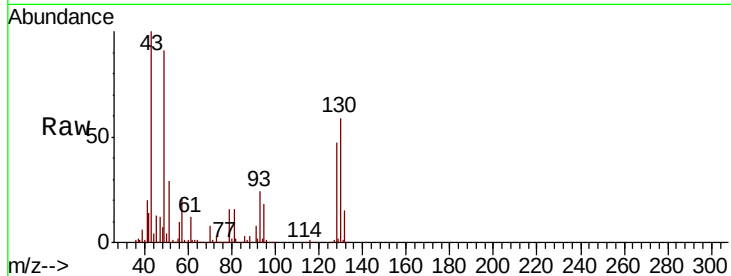
130 71.2 35.9 107.8

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 9.296 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.01 min

Lab File: VL037265.D

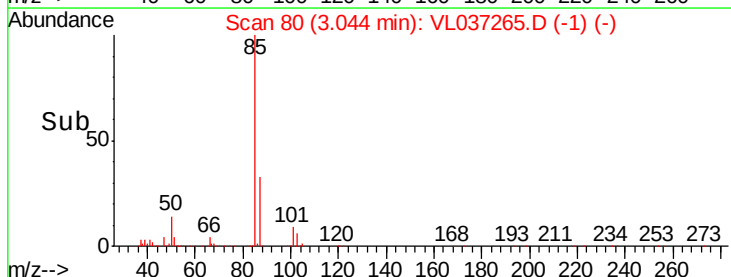
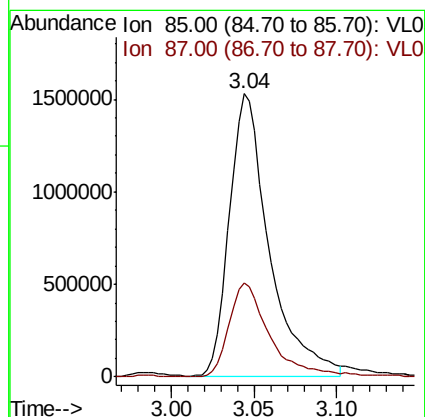
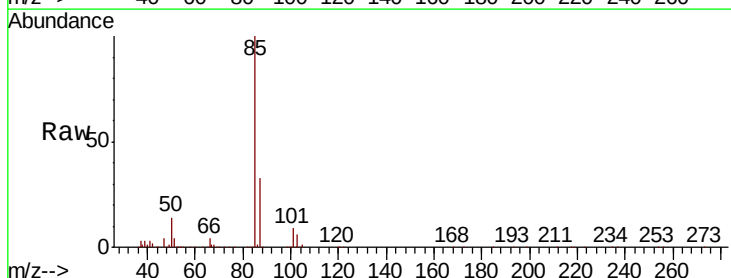
Acq: 30 Jun 2021 1:24

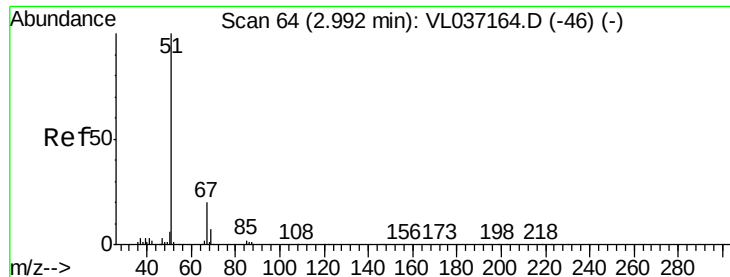
Tgt Ion: 85 Resp: 2566558

Ion Ratio Lower Upper

85 100

87 33.1 25.8 38.6





#3

Chlorodifluoromethane

Concen: 8.476 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.01 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Tot Ion: 51 Resp: 2616615

Ion Ratio Lower Upper

51 100

67 19.6 15.8 23.6

Instrument :

MSVOA_L

ClientSampleId :

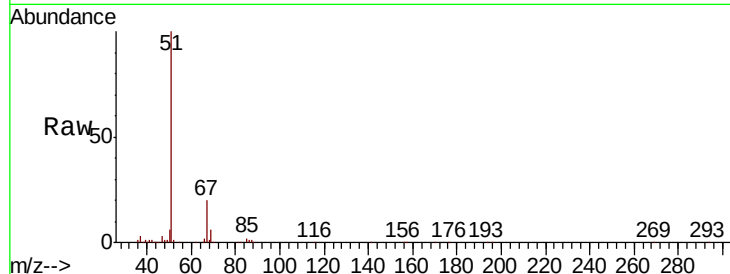
VSTDCCC010EC

Manual Integrations

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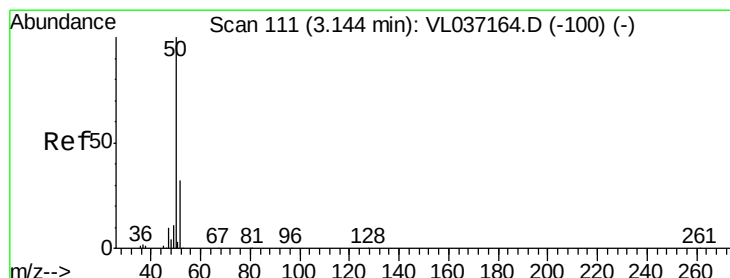
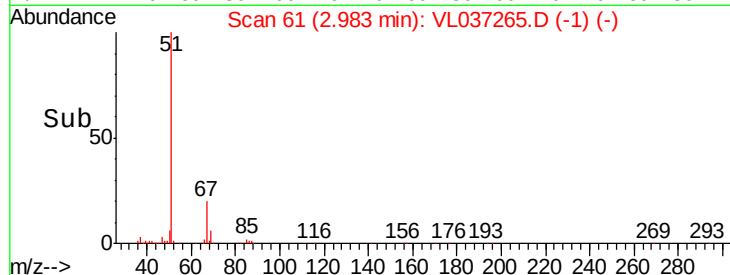
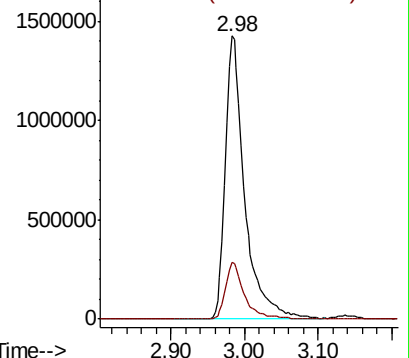
MMDadoda

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.341 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL037265.D

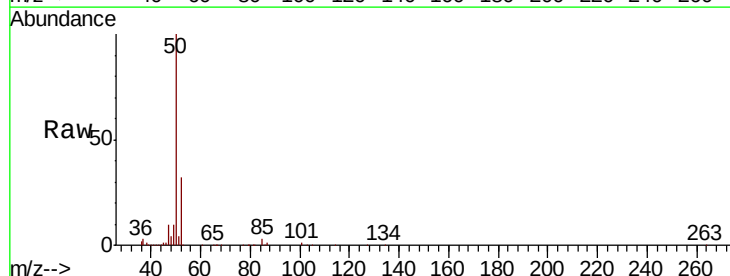
Acq: 30 Jun 2021 1:24

Tgt Ion: 50 Resp: 858146

Ion Ratio Lower Upper

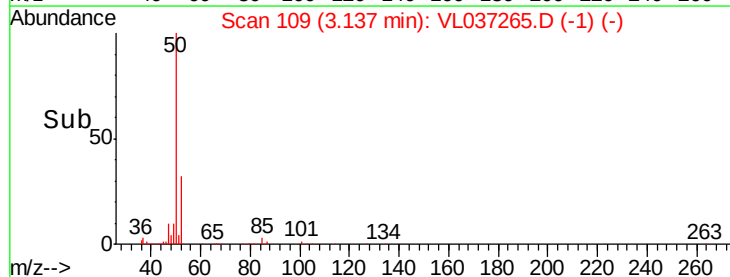
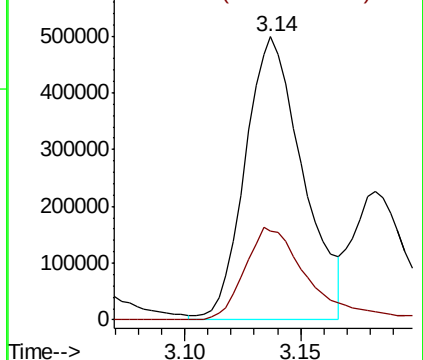
50 100

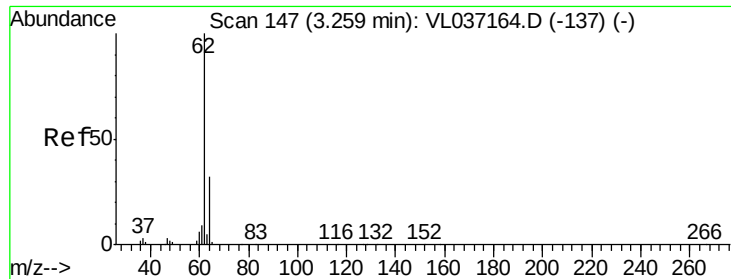
52 32.0 25.8 38.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.273 ppbv

RT: 3.25 min Scan# 145

Delta R.T. -0.01 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 935419

Ion Ratio Lower Upper

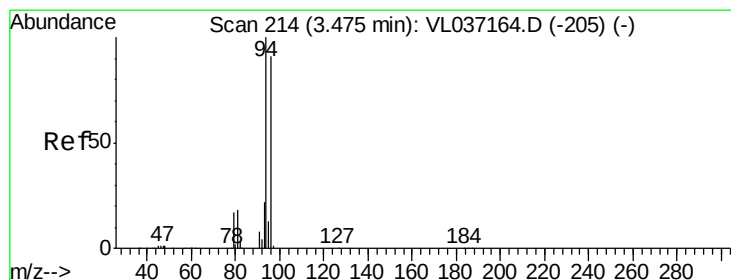
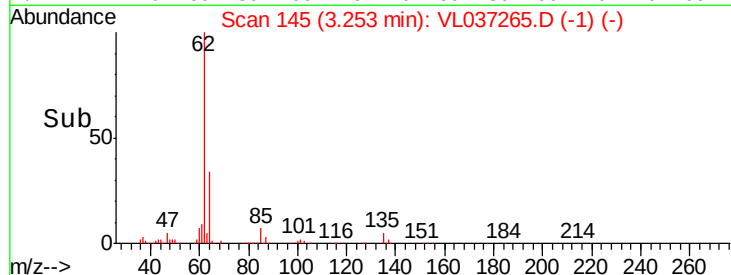
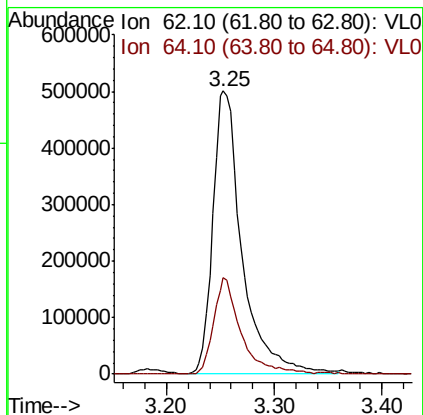
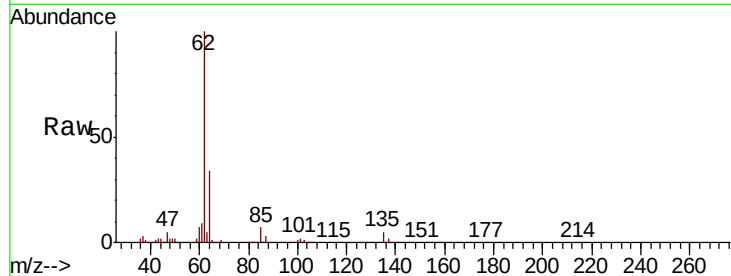
62 100

64 34.4 25.6 38.4

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#6

Bromomethane

Concen: 7.363 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL037265.D

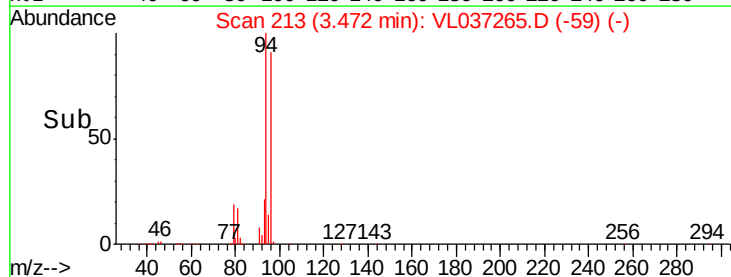
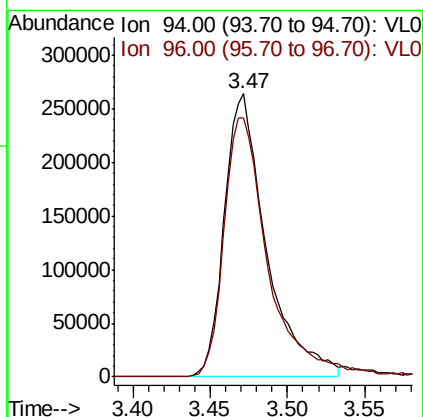
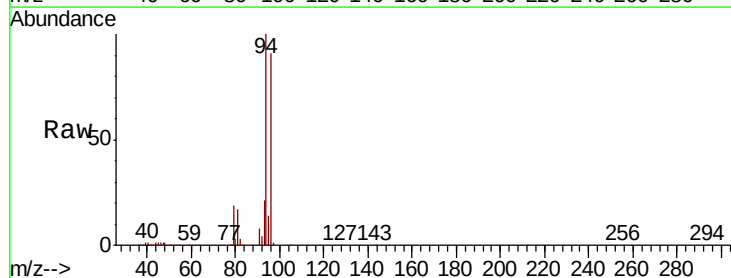
Acq: 30 Jun 2021 1:24

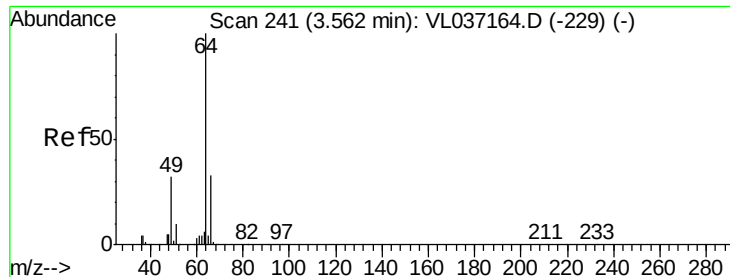
Tgt Ion: 94 Resp: 496674

Ion Ratio Lower Upper

94 100

96 91.3 72.6 108.8





#7

Chloroethane

Concen: 8.102 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.01 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 327476

Ion Ratio Lower Upper

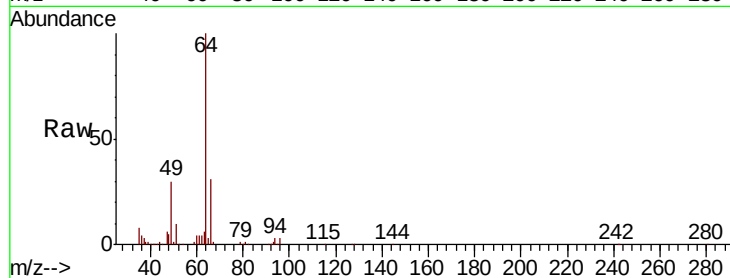
64 100

66 31.1 26.2 39.4

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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

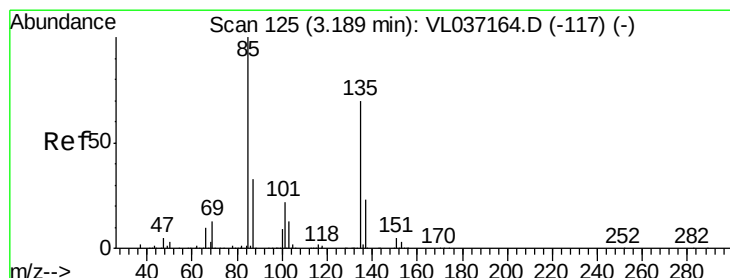
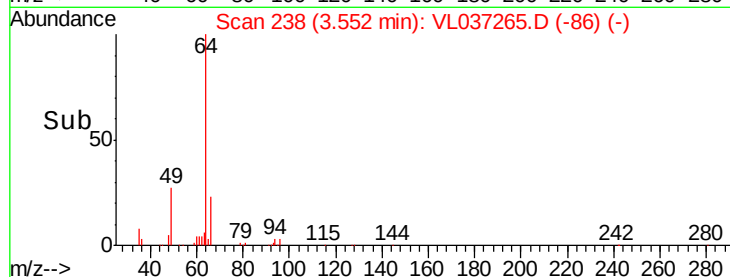
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.216 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.00 min

Lab File: VL037265.D

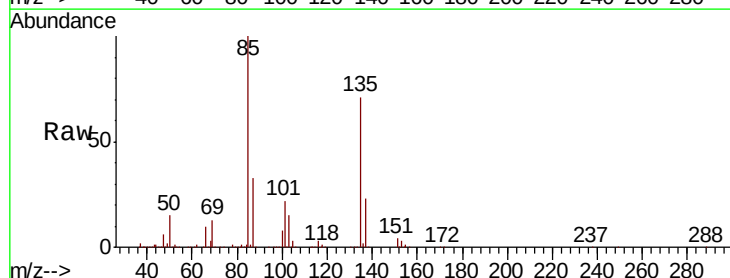
Acq: 30 Jun 2021 1:24

Tgt Ion: 85 Resp: 2327159

Ion Ratio Lower Upper

85 100

135 73.5 60.4 90.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.19

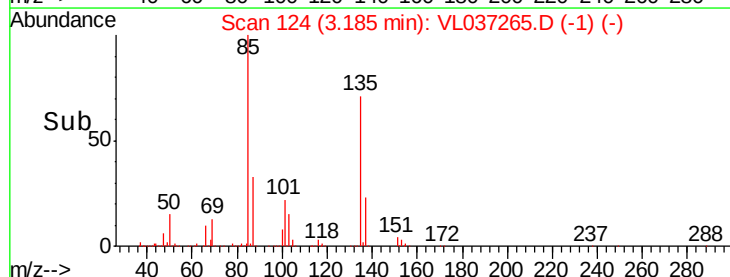
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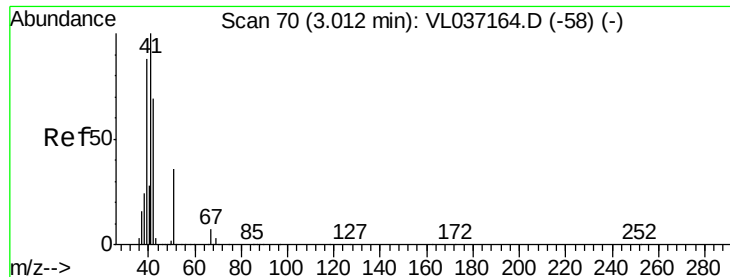
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500000

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Time-->





#9

Propene

Concen: 8.254 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.01 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 814721

Ion Ratio Lower Upper

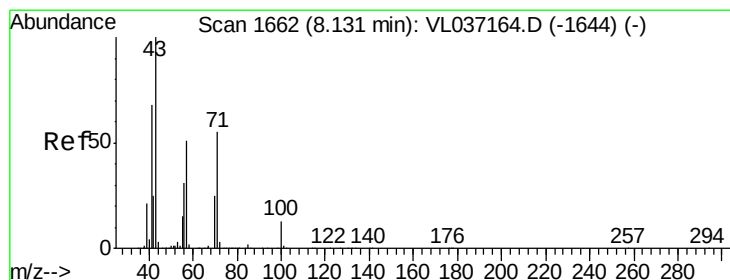
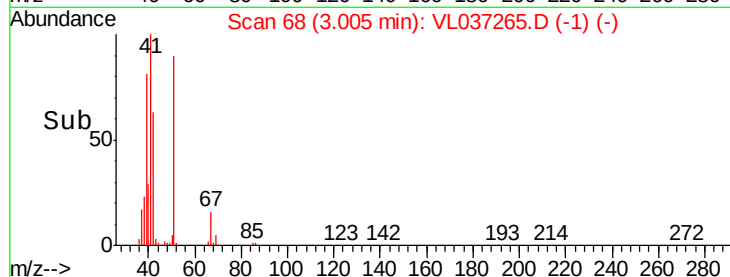
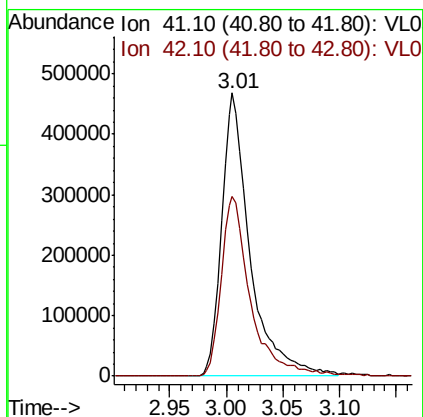
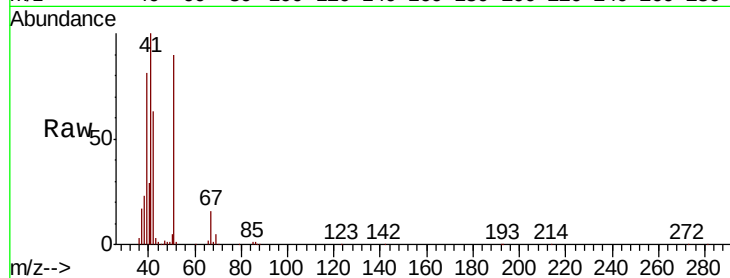
41 100

42 66.3 54.5 81.7

Manual Integrations
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#10

Heptane

Concen: 8.614 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. -0.02 min

Lab File: VL037265.D

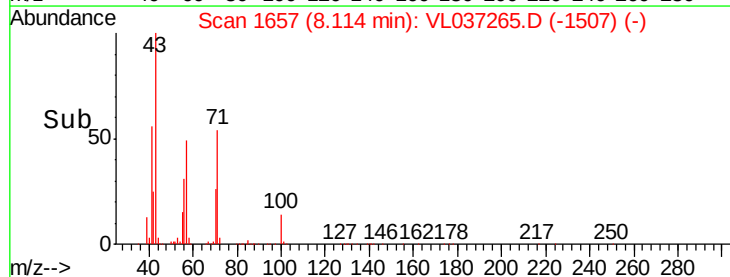
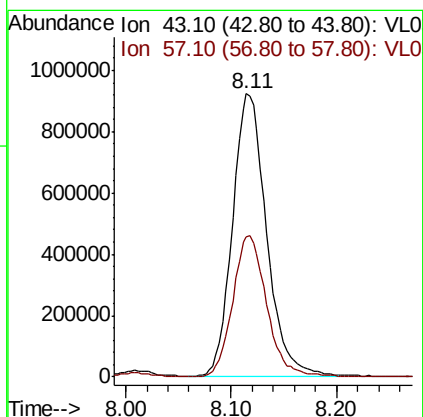
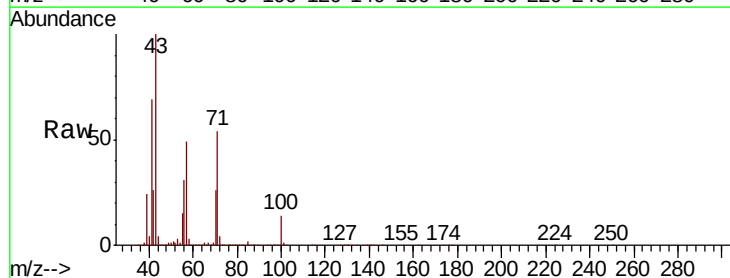
Acq: 30 Jun 2021 1:24

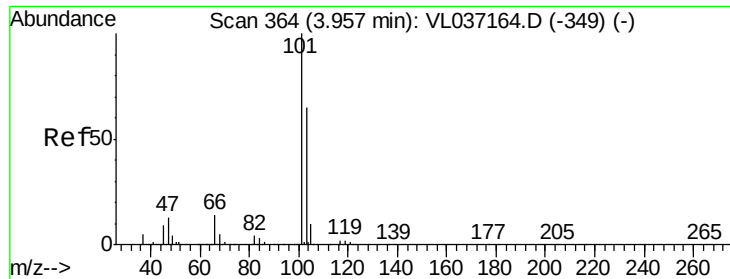
Tgt Ion: 43 Resp: 2059221

Ion Ratio Lower Upper

43 100

57 49.8 40.6 61.0





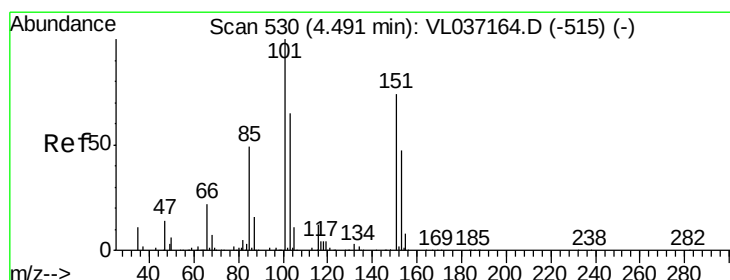
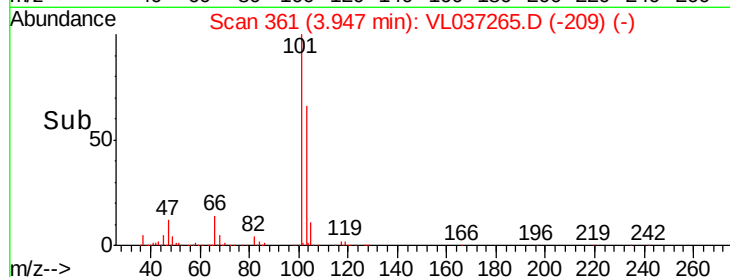
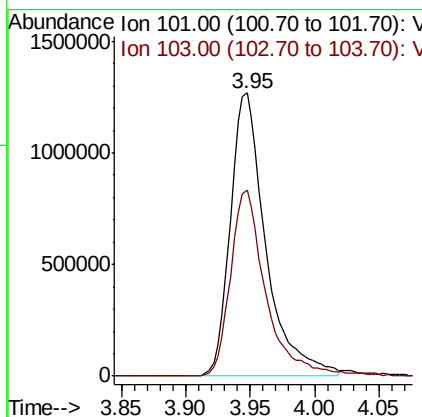
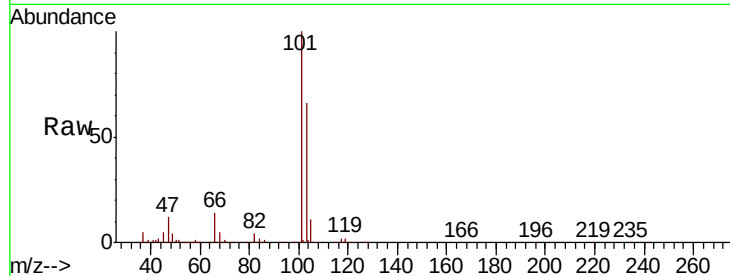
#11
 Trichlorofluoromethane
 Concen: 8.242 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.01 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 2428170
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.2 78.4

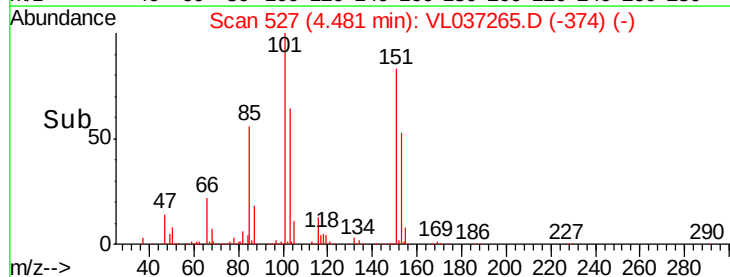
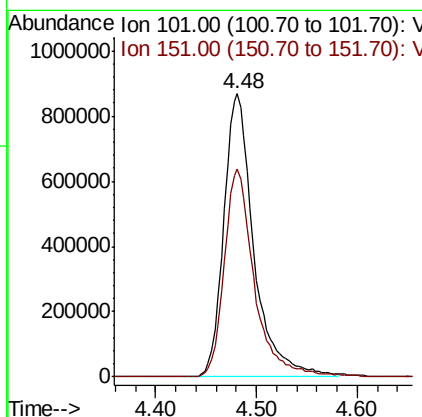
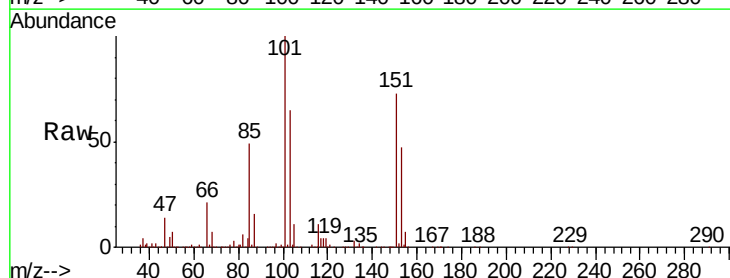
Manual Integrations
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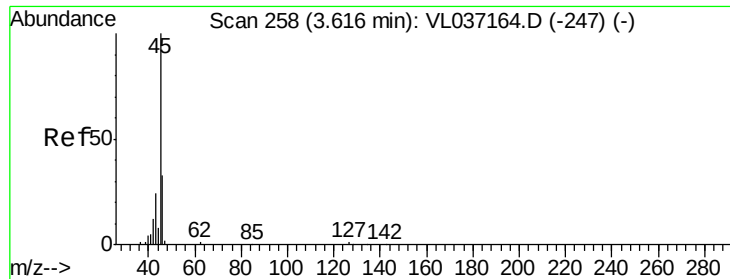
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.718 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Tgt Ion:101 Resp: 1810439
 Ion Ratio Lower Upper
 101 100
 151 73.8 59.1 88.7





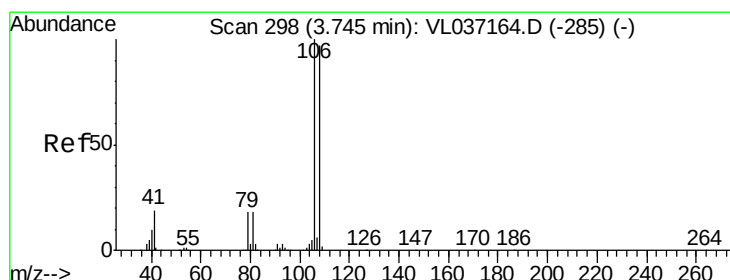
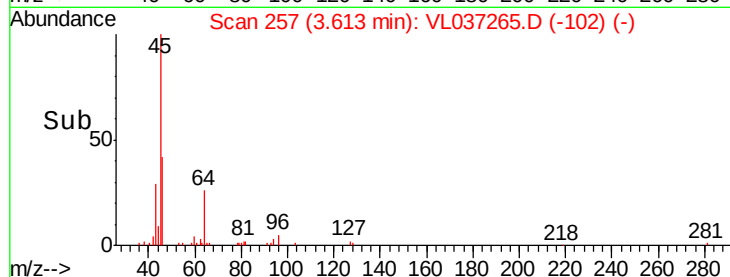
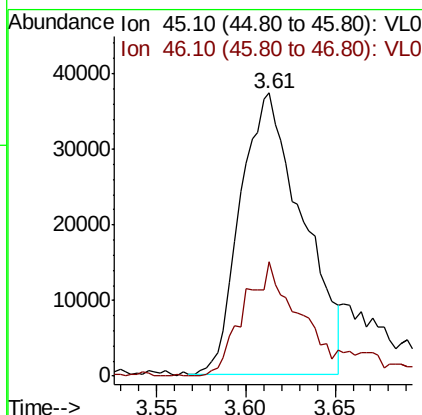
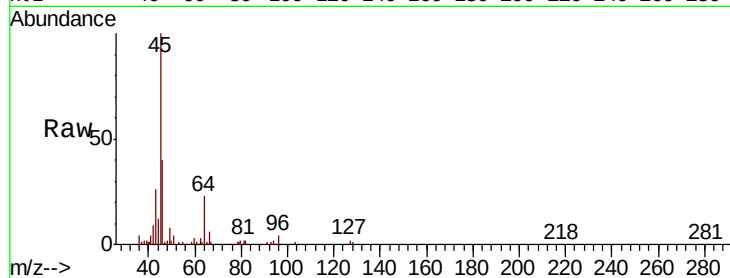
#13
Ethanol
Concen: 5.934 ppbv
RT: 3.61 min Scan# 257
Delta R.T. -0.00 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	45	46	Ratio	Lower	Upper
45	100				
46	42.8		34.2	137.0	

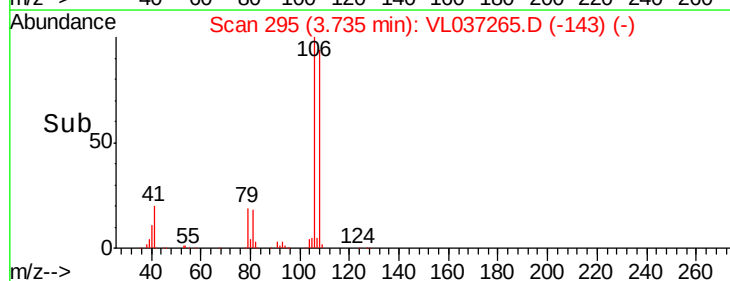
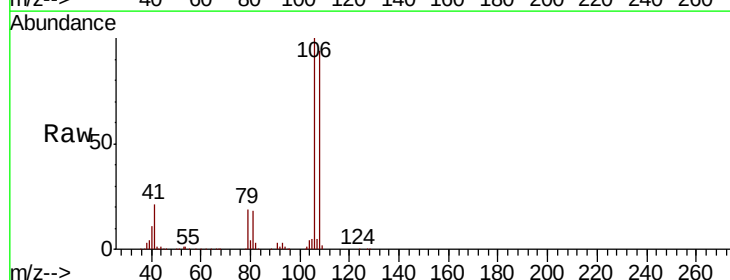
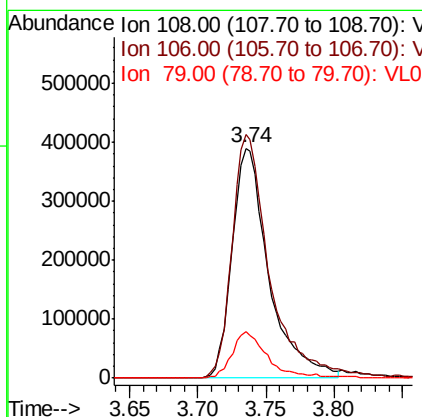
Manual Integrations
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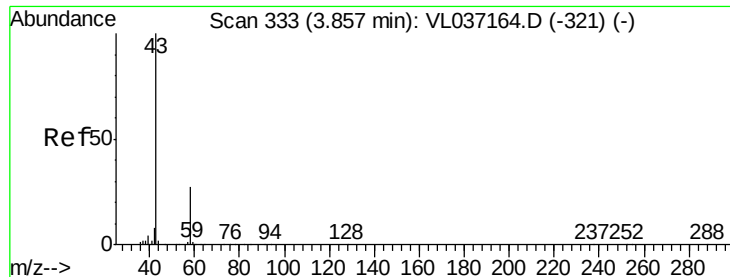
MMDadoda
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#14
Bromoethene
Concen: 8.443 ppbv
RT: 3.74 min Scan# 295
Delta R.T. -0.01 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Tgt Ion	108	106	79	Ratio	Lower	Upper
108	100					
106	109.7		86.8	130.2		
79	20.1		15.6	23.4		





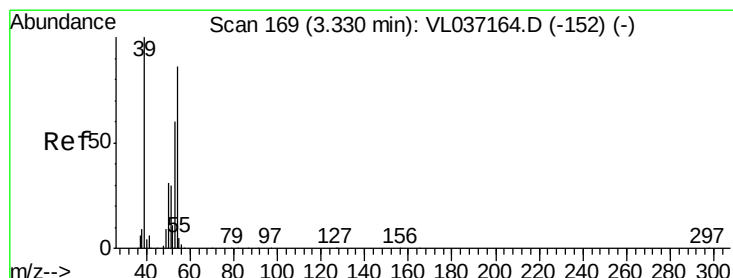
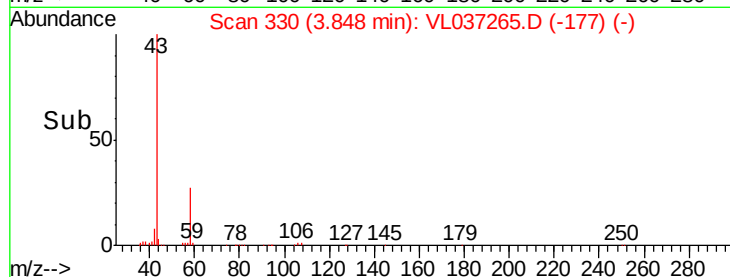
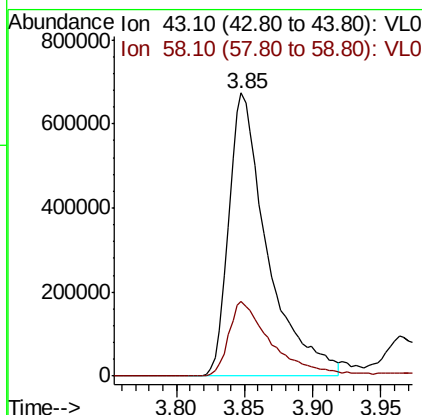
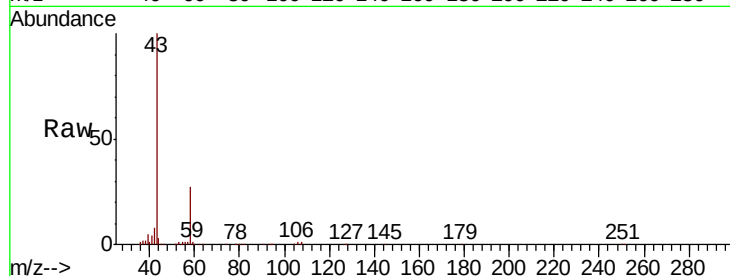
#15
Acetone
Concen: 7.408 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.01 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1326163
Ion Ratio Lower Upper
43 100
58 31.7 23.7 35.5

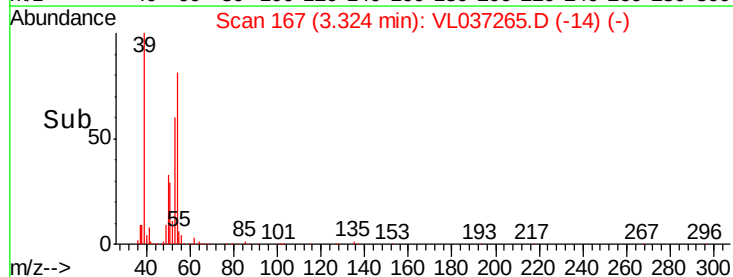
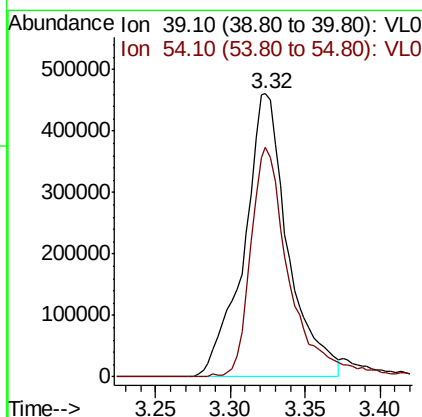
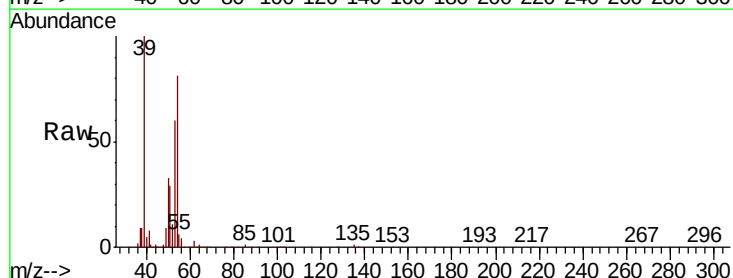
Manual Integrations
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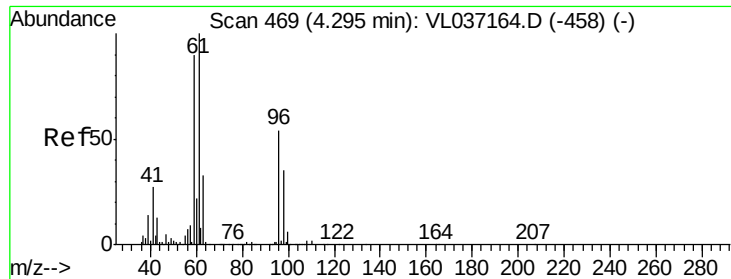
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#16
1,3-Butadiene
Concen: 8.877 ppbv
RT: 3.32 min Scan# 167
Delta R.T. -0.01 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Tgt Ion: 39 Resp: 939537
Ion Ratio Lower Upper
39 100
54 73.0 61.2 91.8





#17

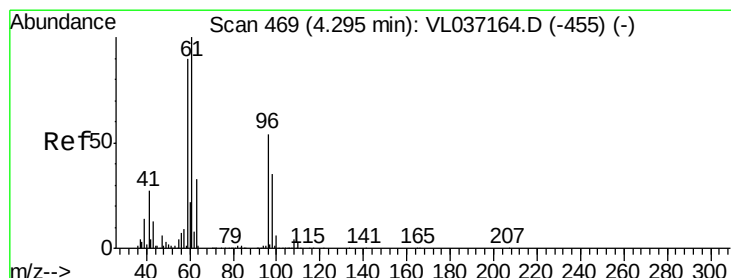
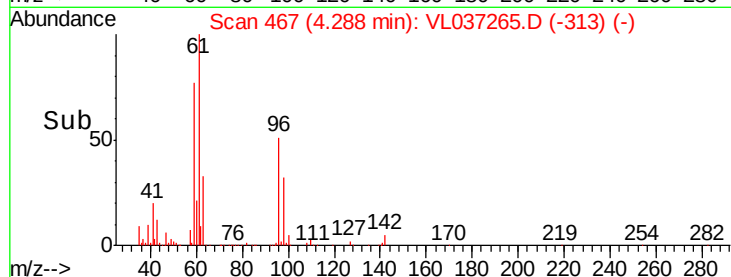
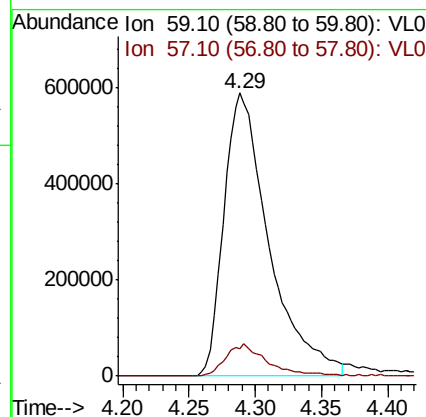
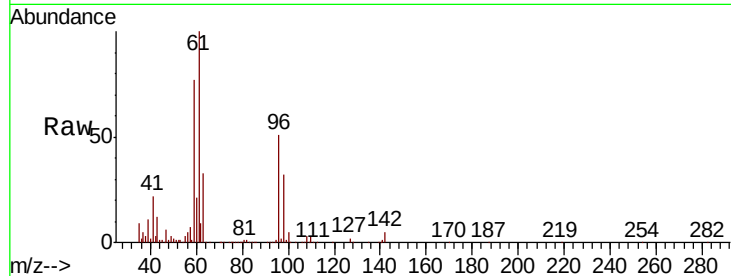
tert-Butyl alcohol
 Concen: 8.440 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. -0.01 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 59 Resp: 1396507
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.8 13.2

Manual Integrations
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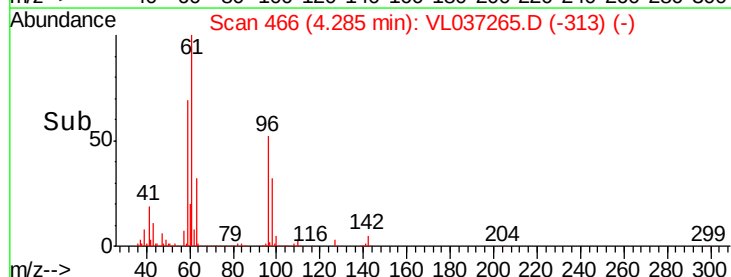
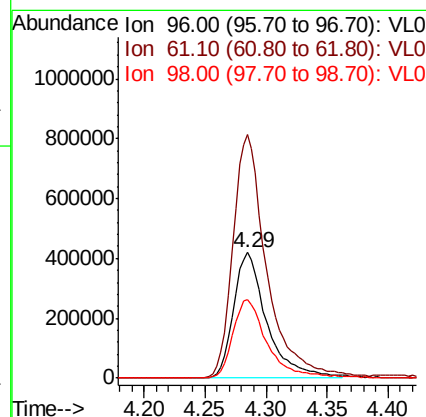
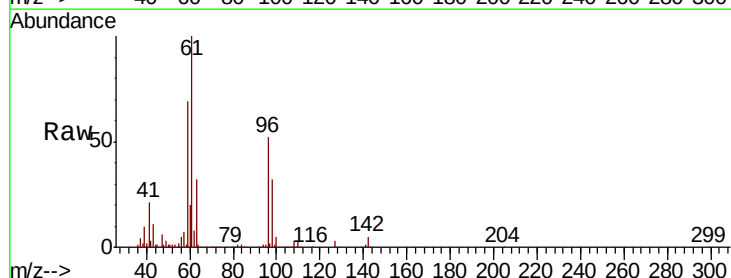
MMDadoda
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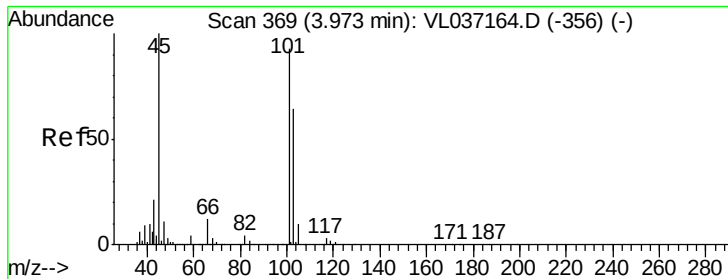


#18

1,1-Dichloroethene
 Concen: 8.687 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Tgt Ion: 96 Resp: 799405
 Ion Ratio Lower Upper
 96 100
 61 193.7 148.6 222.8
 98 62.4 51.9 77.9





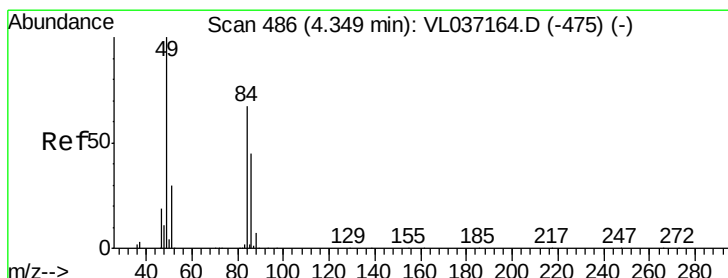
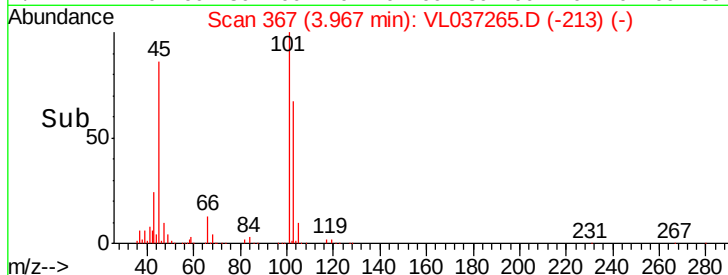
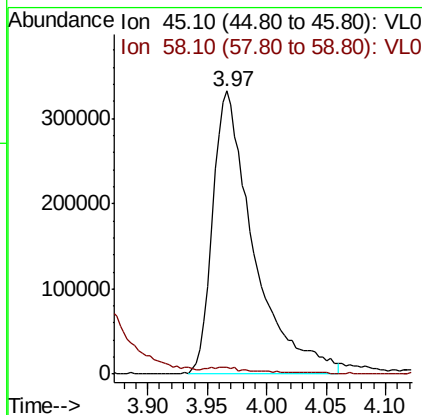
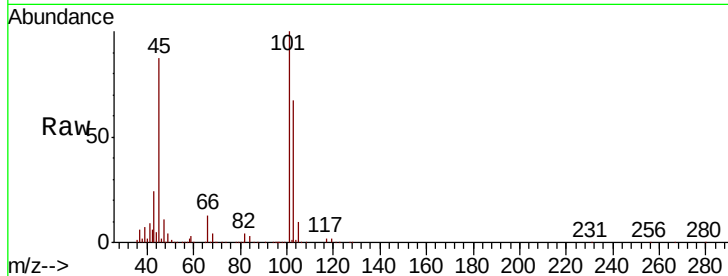
#19
Isopropyl Alcohol
Concen: 7.254 ppbv
RT: 3.97 min Scan# 367
Delta R.T. -0.01 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 786568
Ion Ratio Lower Upper
45 100
58 53.5 2.4 3.6#

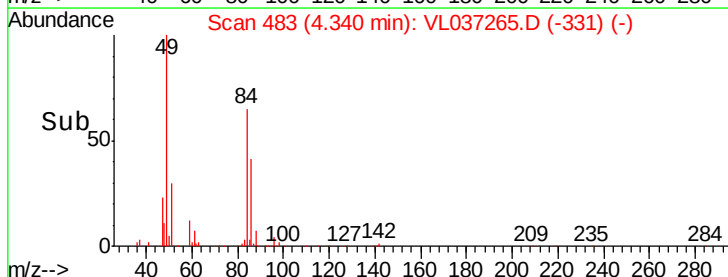
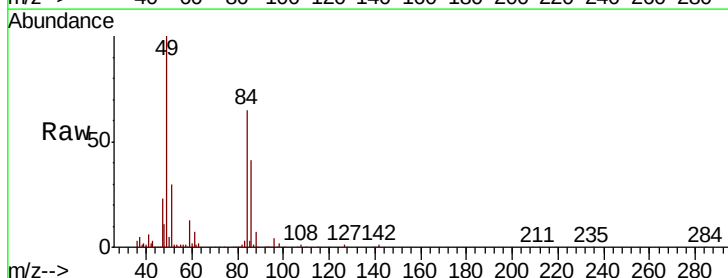
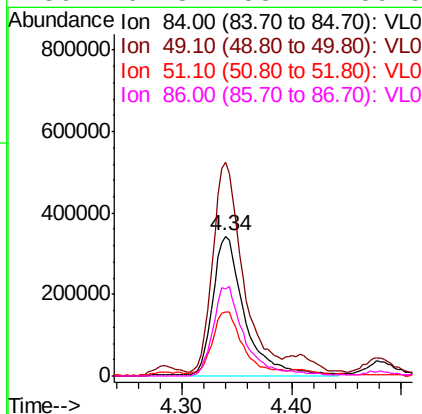
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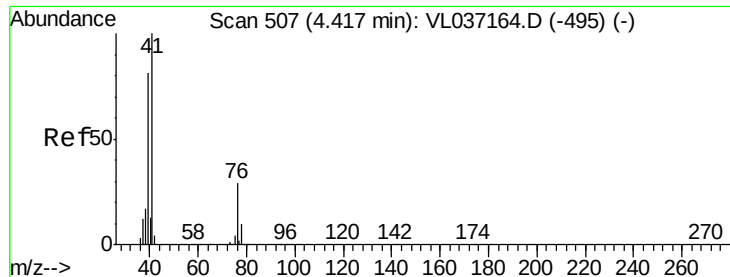
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#20
Methylene Chloride
Concen: 6.512 ppbv m
RT: 4.34 min Scan# 483
Delta R.T. -0.01 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Tgt Ion: 84 Resp: 697964
Ion Ratio Lower Upper
84 100
49 152.9 119.7 179.5
51 46.3 36.1 54.1
86 62.8 53.7 80.5





#21

Allvl Chloride

Concen: 8.271 ppbv

RT: 4.41 min Scan# 504

Delta R.T. -0.01 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 1116118

Ion Ratio Lower Upper

41 100

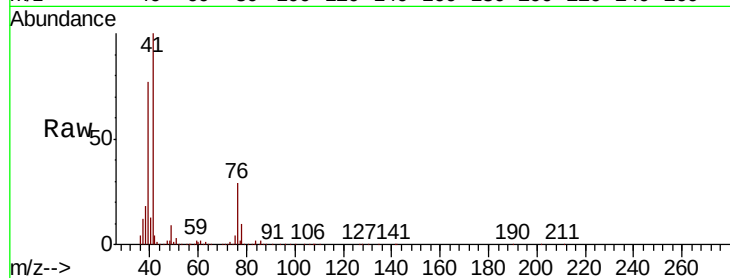
76 30.8 24.6 37.0

39 82.1 65.4 98.0

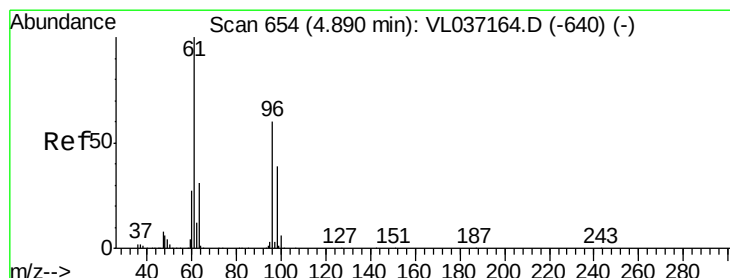
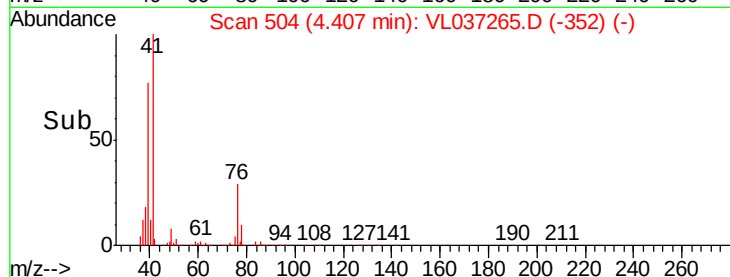
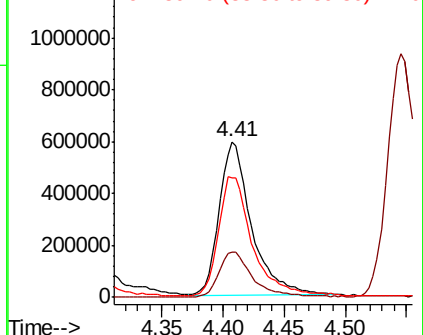
Manual Integrations
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Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.157 ppbv

RT: 4.88 min Scan# 651

Delta R.T. -0.01 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

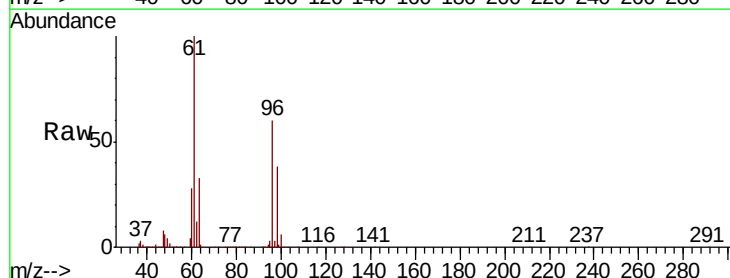
Tgt Ion: 96 Resp: 833881

Ion Ratio Lower Upper

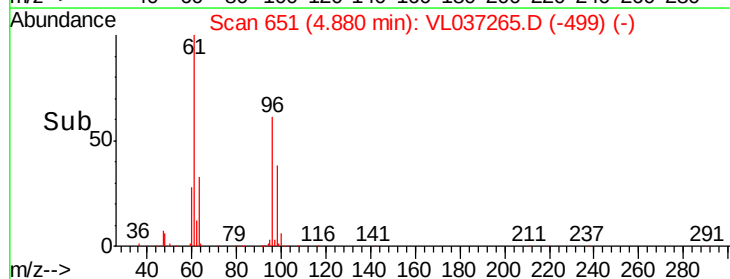
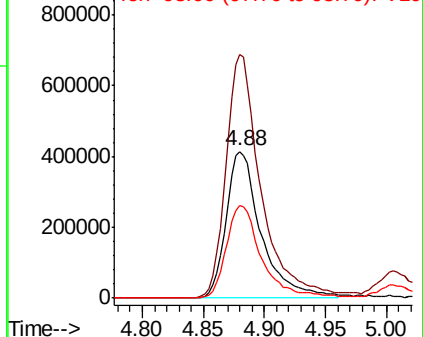
96 100

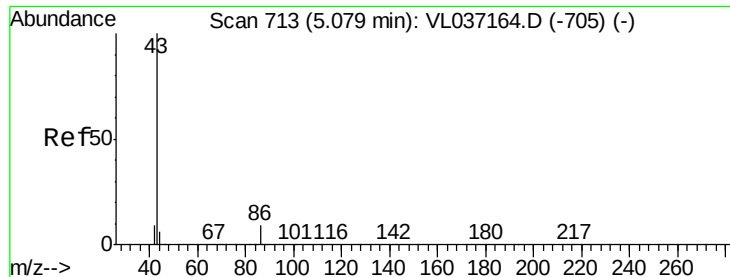
61 165.5 133.9 200.9

98 62.7 52.9 79.3



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





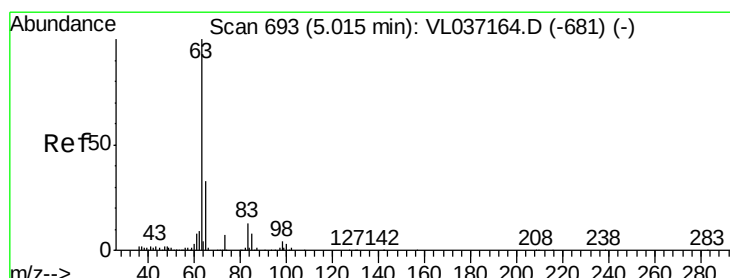
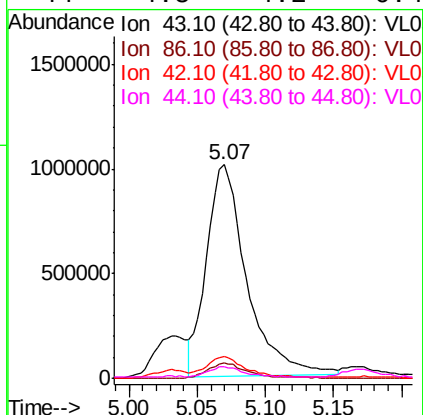
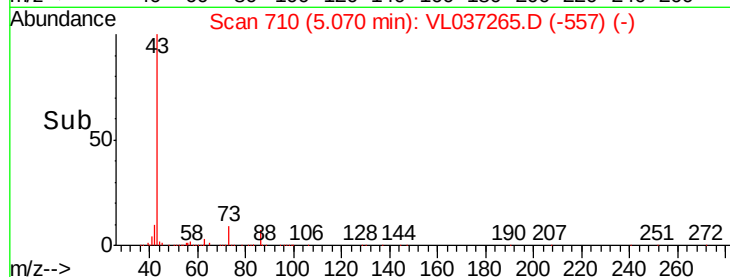
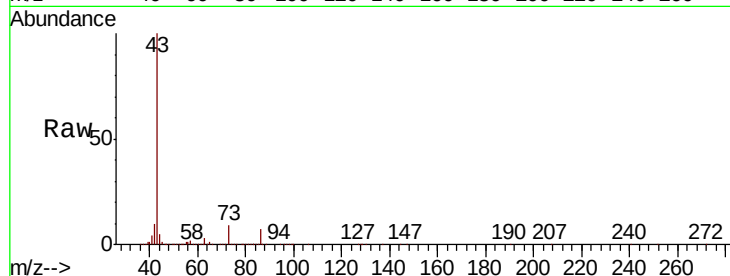
#23
 Vinyl Acetate
 Concen: 8.136 ppbv
 RT: 5.07 min Scan# 710
 Delta R.T. -0.01 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
86	7.1	5.8	8.8	
42	10.0	8.2	12.2	
44	4.5	4.2	6.4	

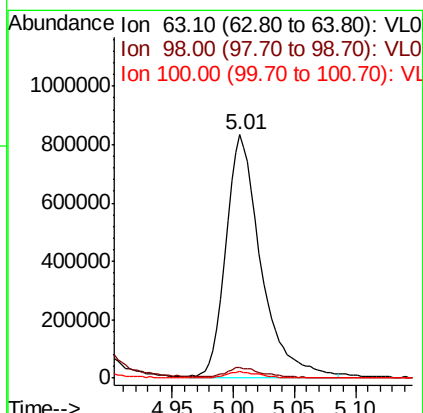
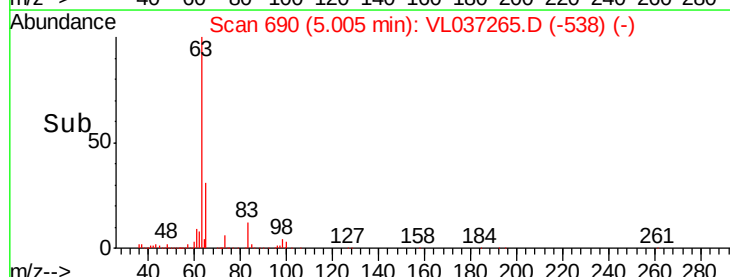
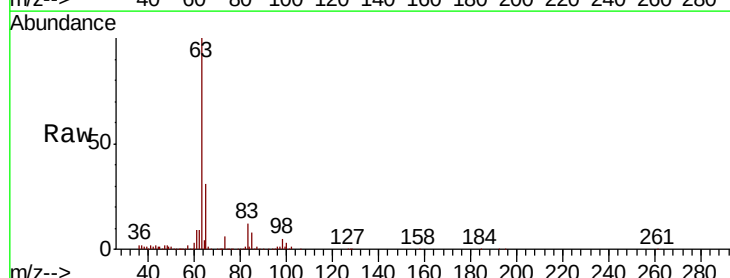
Manual Integrations
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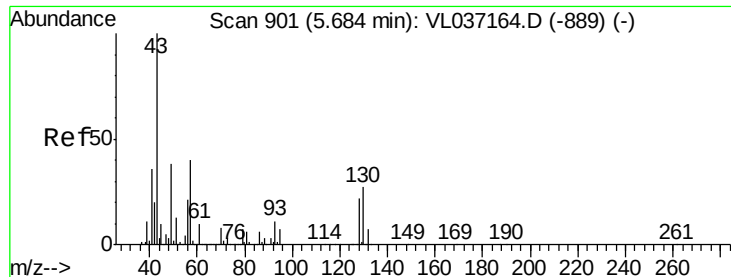
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#24
 1,1-Dichloroethane
 Concen: 8.105 ppbv
 RT: 5.01 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	4.3	2.1	6.5	
100	2.6	1.4	4.0	





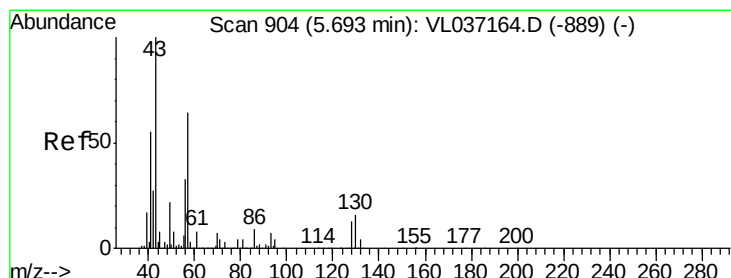
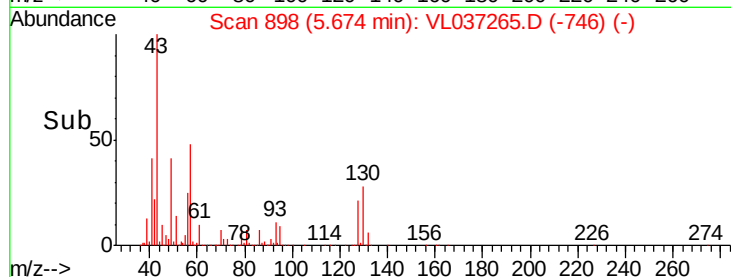
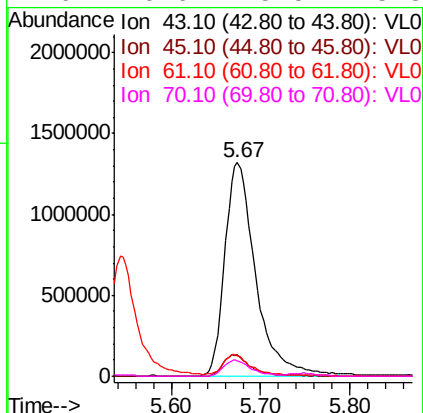
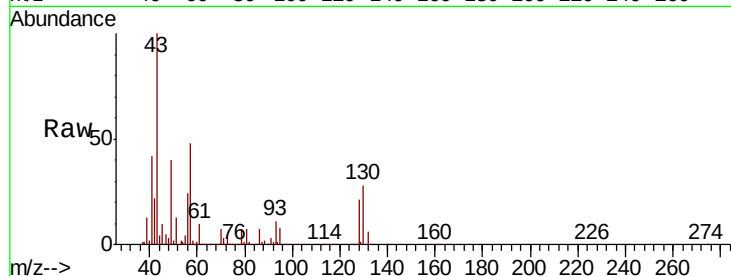
#25
Ethyl Acetate
Concen: 8.142 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.4	8.0	12.0
61	9.5	8.1	12.1
70	6.6	5.5	8.3

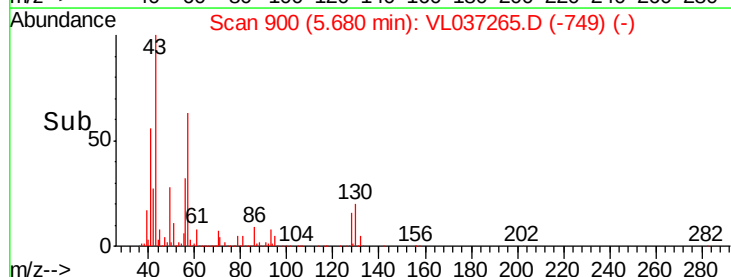
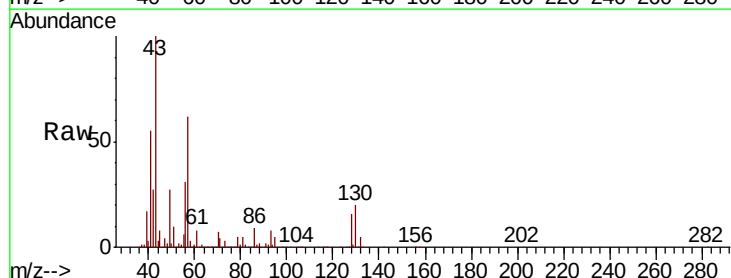
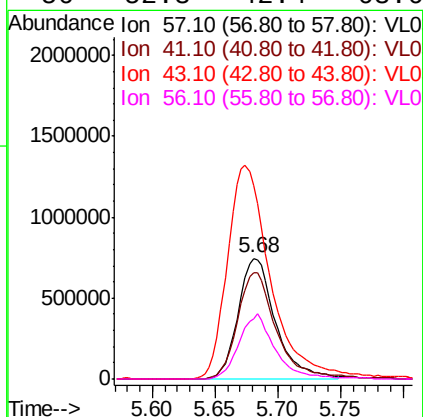
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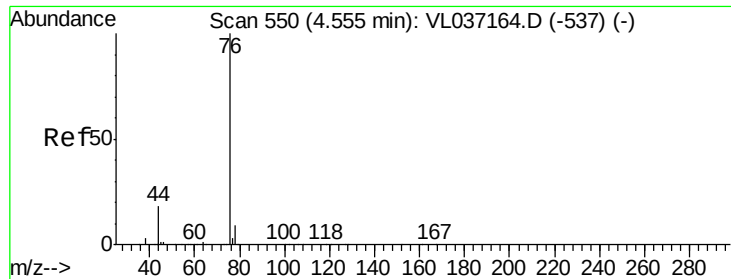
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#26
Hexane
Concen: 7.887 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Tgt Ion	Ratio	Lower	Upper
57	100		
41	92.4	73.5	110.3
43	206.2	170.7	256.1
56	52.3	42.4	63.6





#27

Carbon Disulfide

Concen: 9.648 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.01 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1851581

Ion Ratio Lower Upper

76 100

44 19.7 15.4 23.2

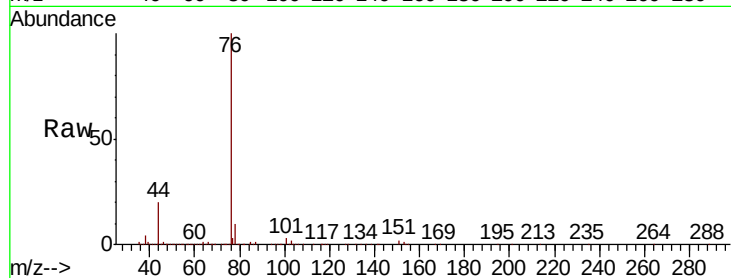
78 9.5 8.0 12.0

Manual Integrations

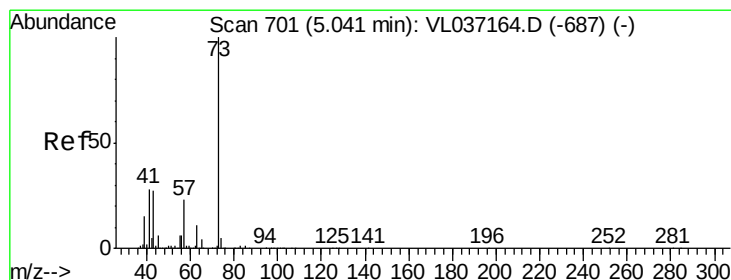
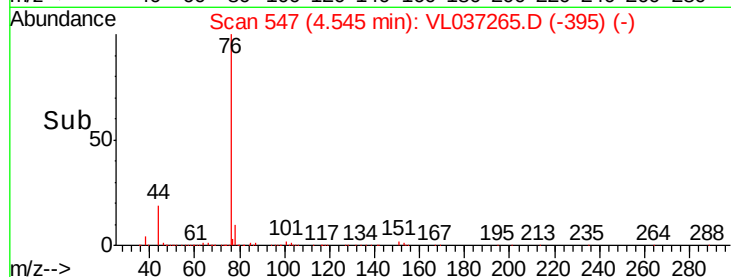
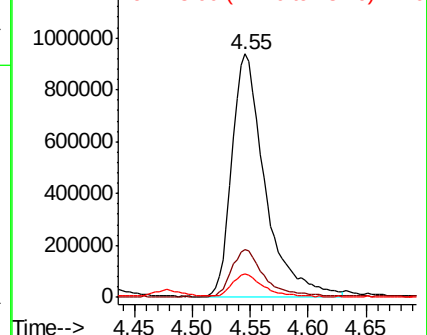
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 7.353 ppbv

RT: 5.03 min Scan# 698

Delta R.T. -0.01 min

Lab File: VL037265.D

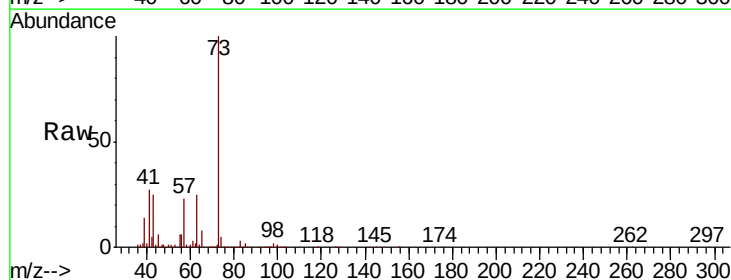
Acq: 30 Jun 2021 1:24

Tgt Ion: 73 Resp: 1731681

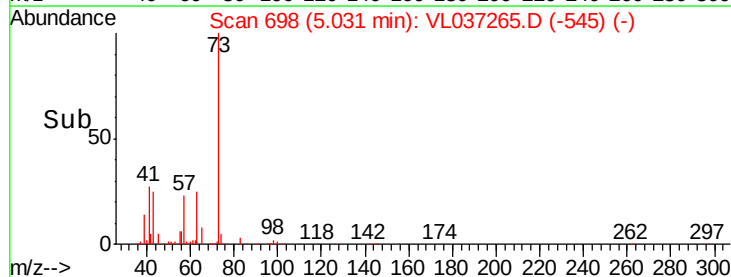
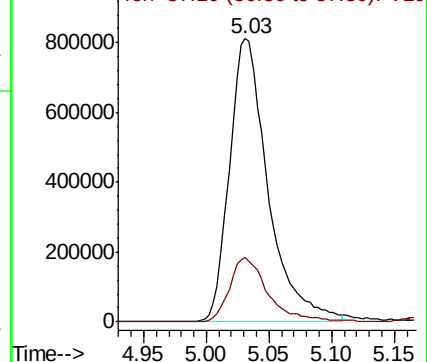
Ion Ratio Lower Upper

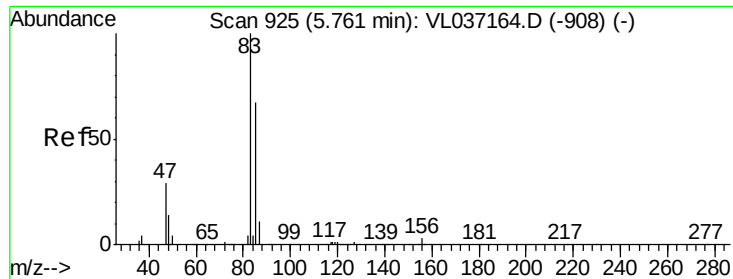
73 100

57 23.0 18.0 27.0



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





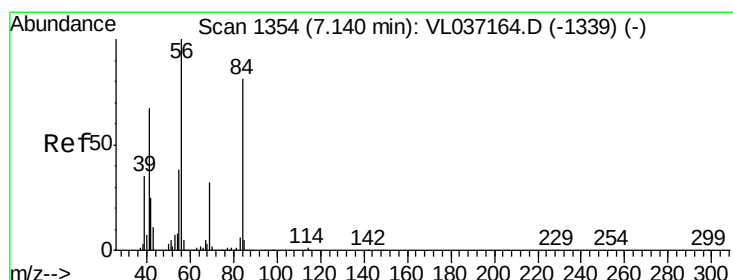
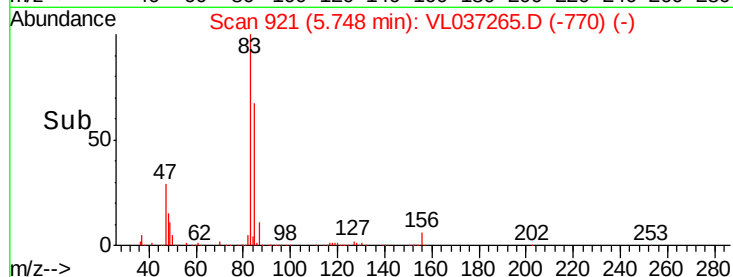
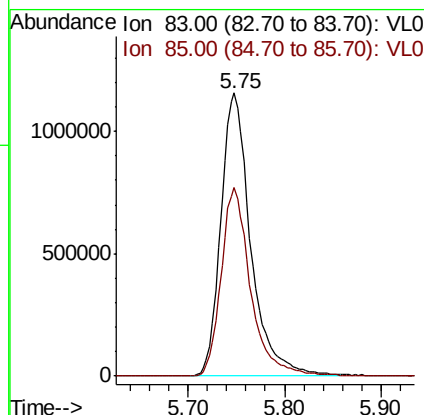
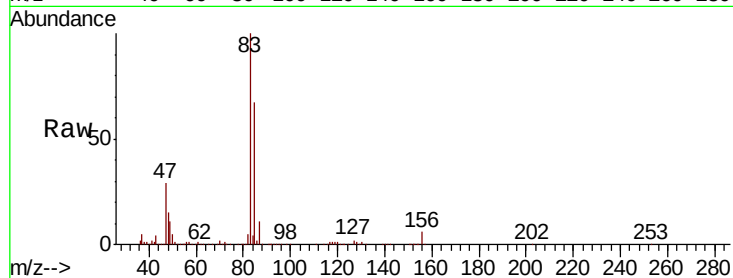
#29
Chloroform
Concen: 8.182 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.01 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2475886
Ion Ratio Lower Upper
83 100
85 66.8 53.6 80.4

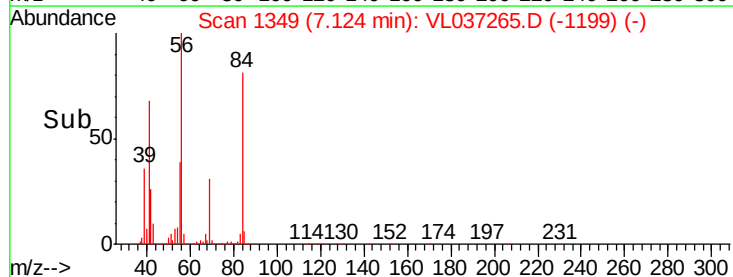
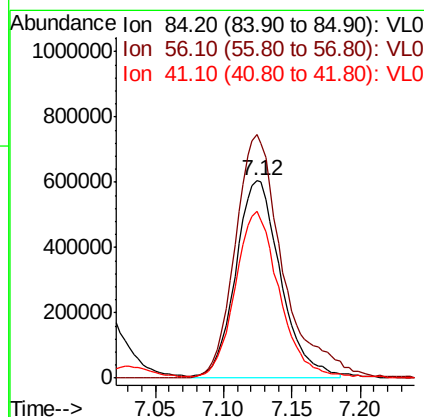
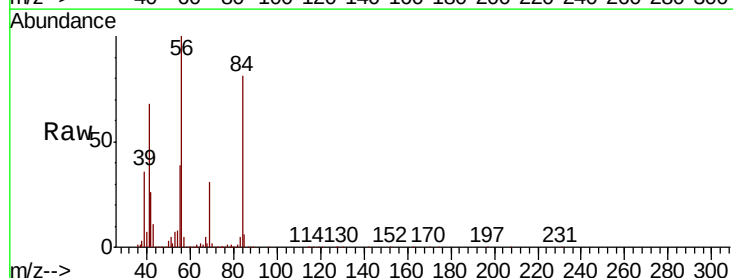
Manual Integrations
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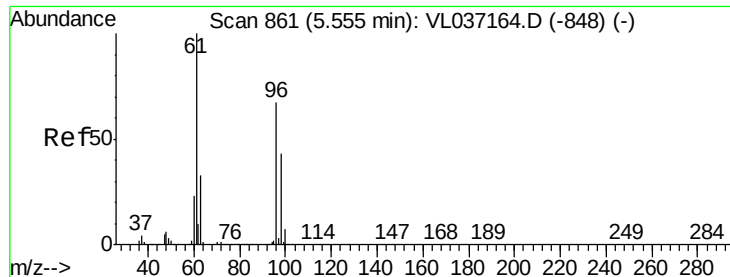
MMDadoda
7/5/2021 3:39:16 PM



#30
Cyclohexane
Concen: 8.416 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.02 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Tgt Ion: 84 Resp: 1373551
Ion Ratio Lower Upper
84 100
56 133.1 107.7 161.5
41 85.2 69.0 103.6





#31

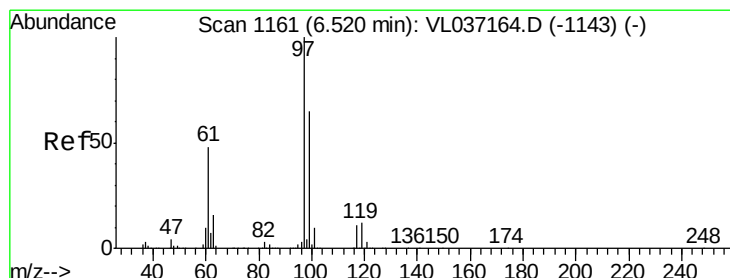
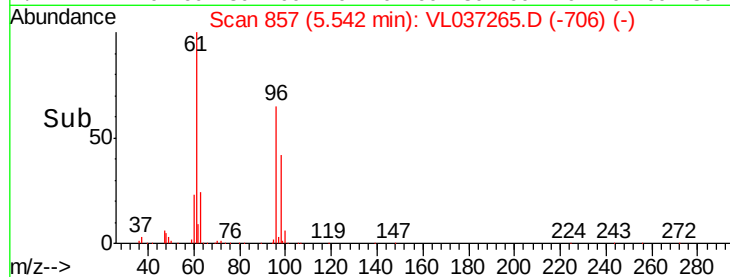
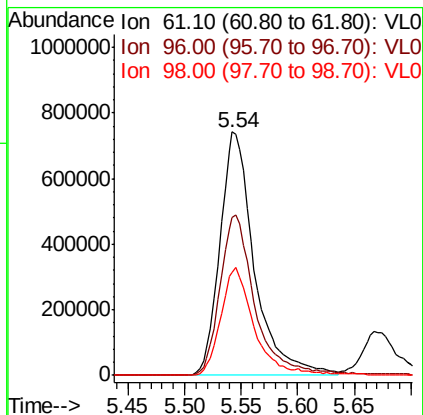
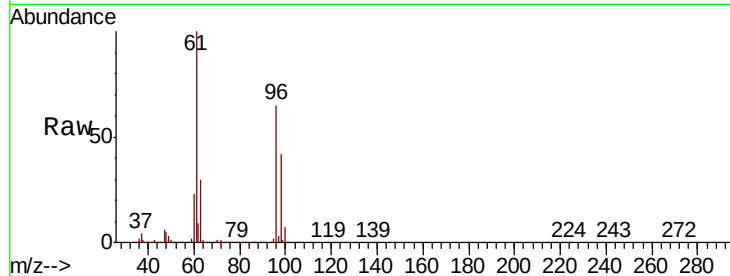
cis-1,2-Dichloroethene
Concen: 8.646 ppbv
RT: 5.54 min Scan# 857
Delta R.T. -0.01 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	65.2	53.6	80.4
98	42.5	34.7	52.1

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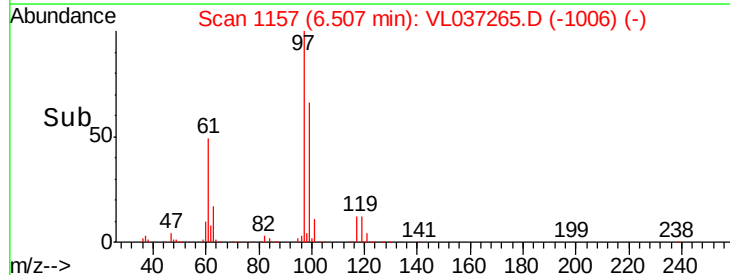
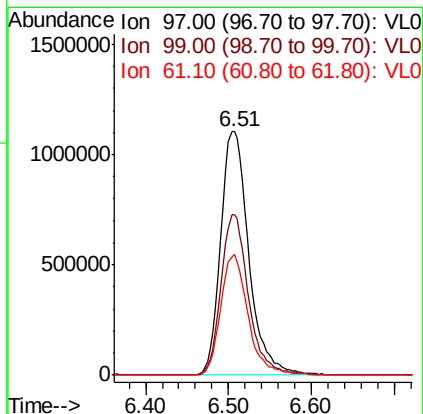
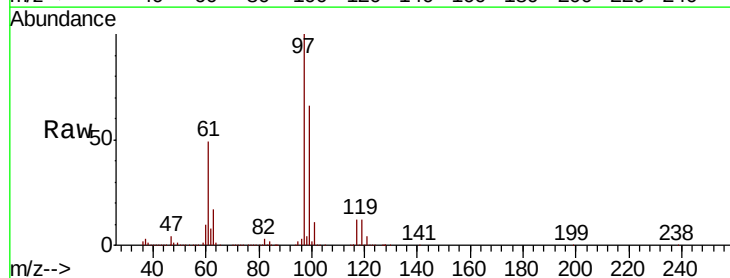
MMDadoda
7/5/2021 3:39:16 PM

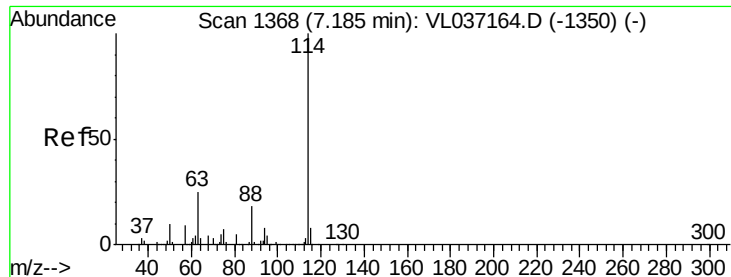


#32

1,1,1-Trichloroethane
Concen: 8.018 ppbv
RT: 6.51 min Scan# 1157
Delta R.T. -0.01 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.2	78.4
61	47.9	38.8	58.2





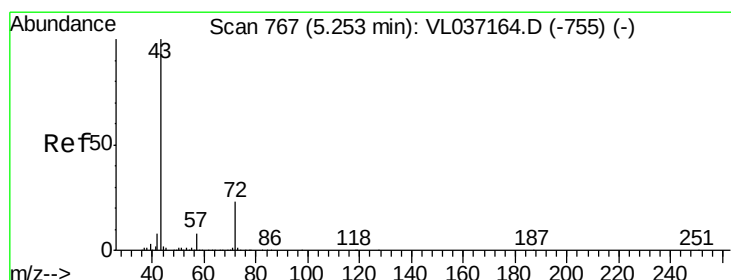
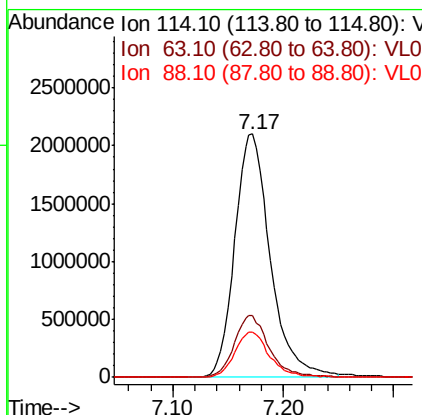
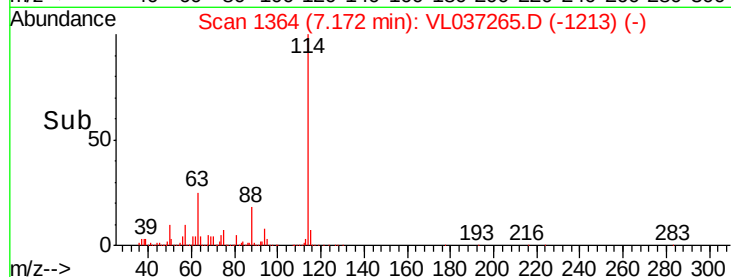
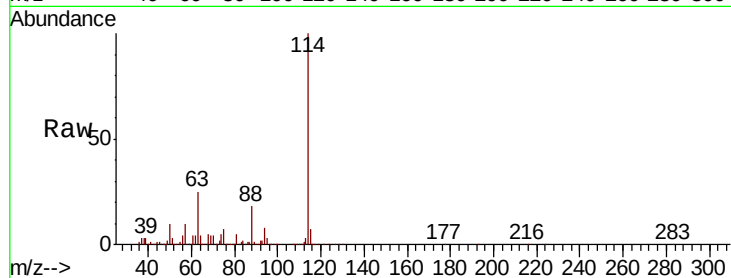
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 4692276
 Ion Ratio Lower Upper
 114 100
 63 25.3 19.6 29.4
 88 18.5 14.2 21.2

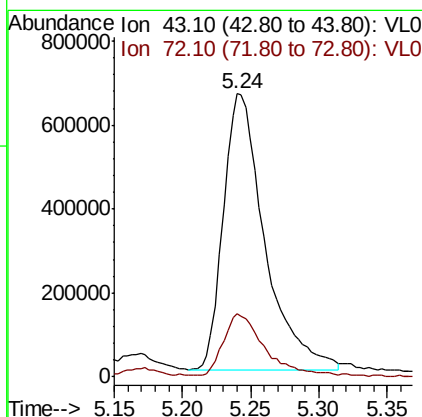
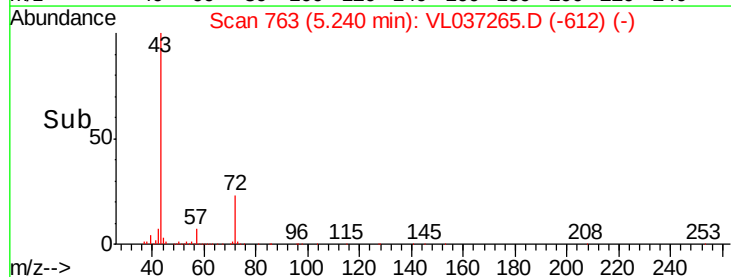
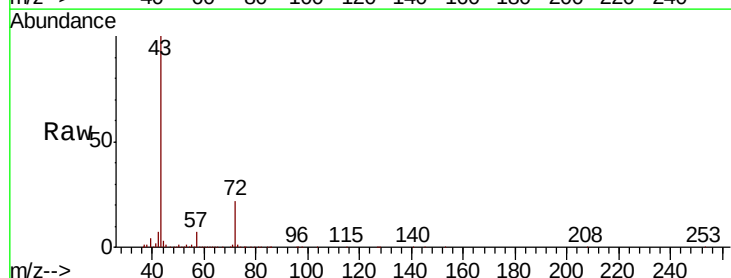
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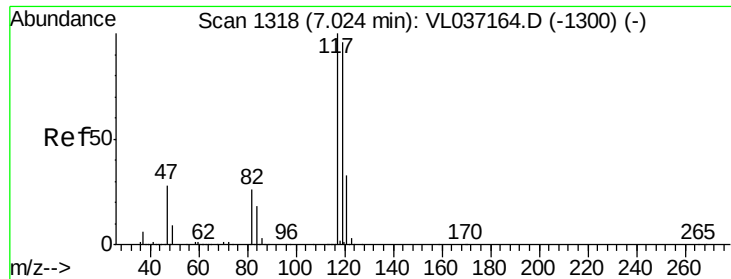
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#34
 2-Butanone
 Concen: 7.609 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Tgt Ion: 43 Resp: 1388463
 Ion Ratio Lower Upper
 43 100
 72 24.2 18.9 28.3





#35

Carbon Tetrachloride

Concen: 8.582 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2700772

Ion Ratio Lower Upper

117 100

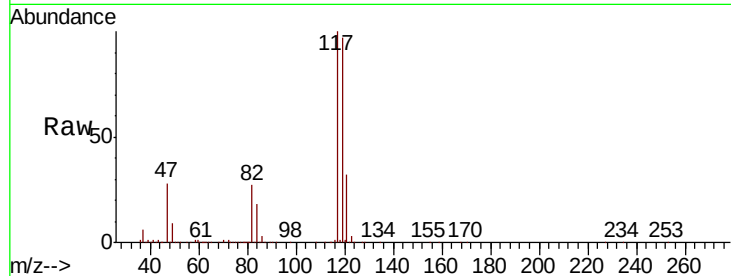
119 96.6 76.6 114.8

121 32.3 26.4 39.6

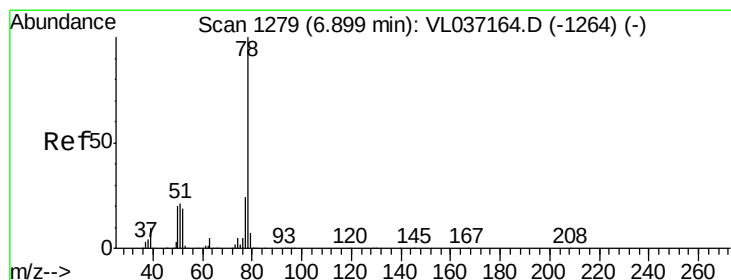
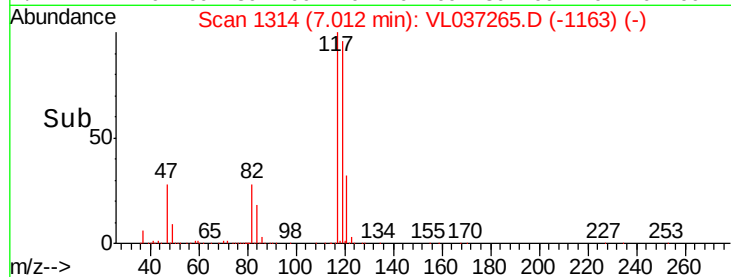
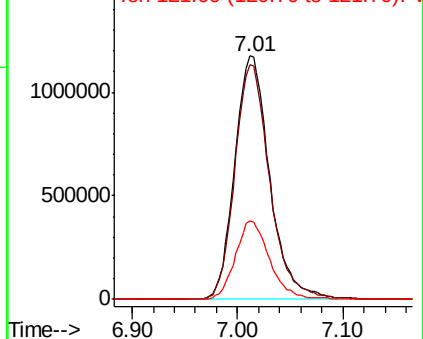
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.501 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

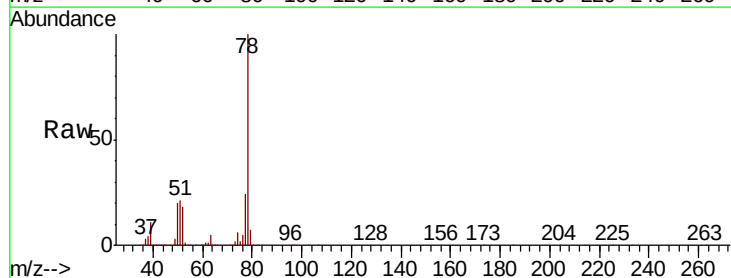
Tgt Ion: 78 Resp: 3225616

Ion Ratio Lower Upper

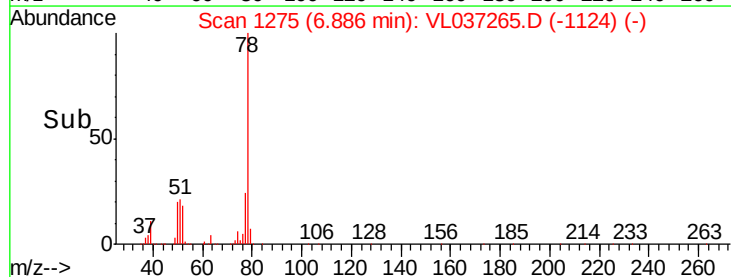
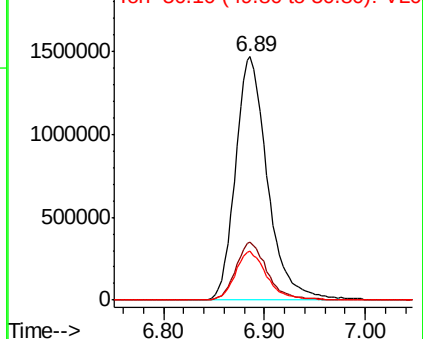
78 100

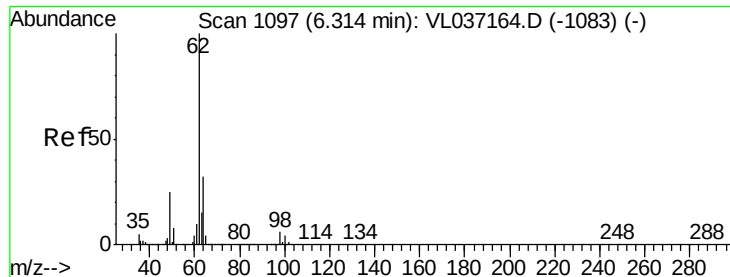
77 23.6 19.0 28.6

50 20.2 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





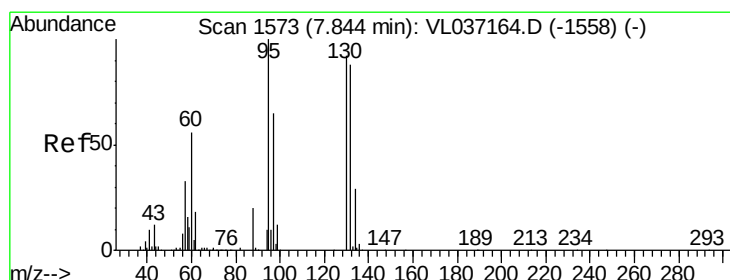
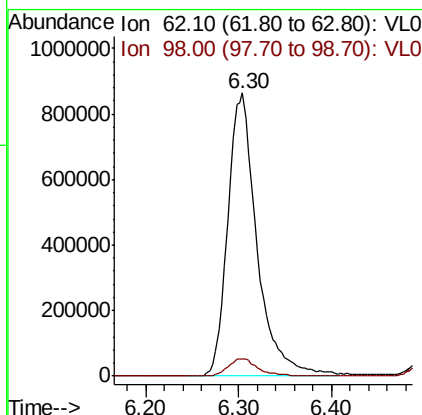
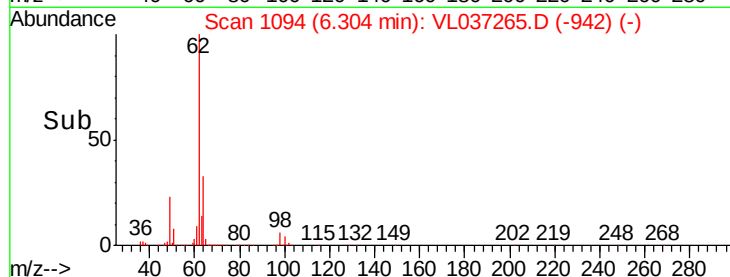
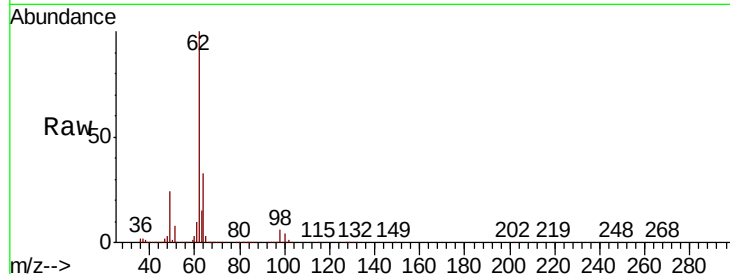
#37
 1,2-Dichloroethane
 Concen: 8.560 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.01 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1886761
 Ion Ratio Lower Upper
 62 100
 98 6.6 5.0 7.6

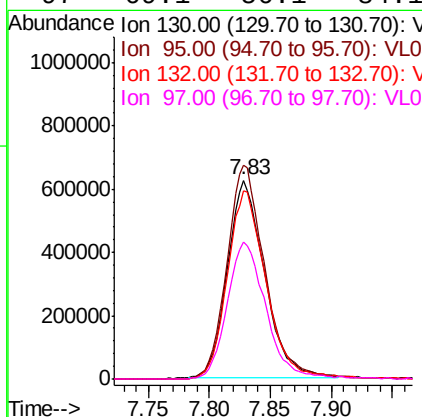
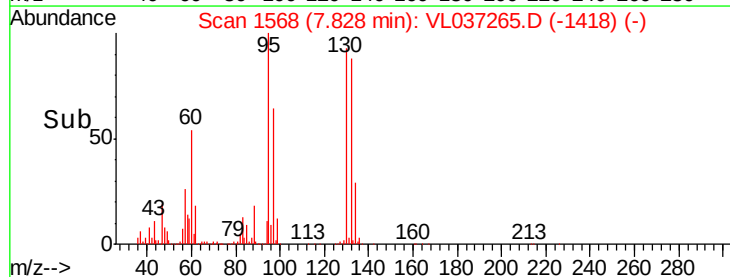
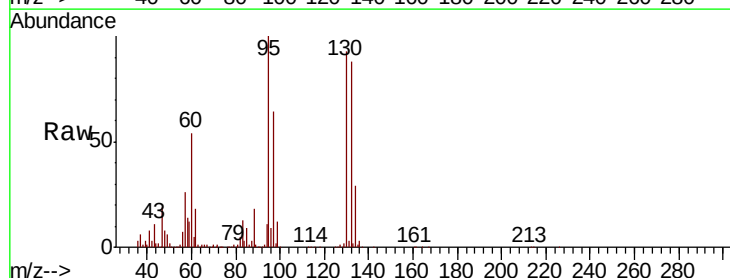
Manual Integrations
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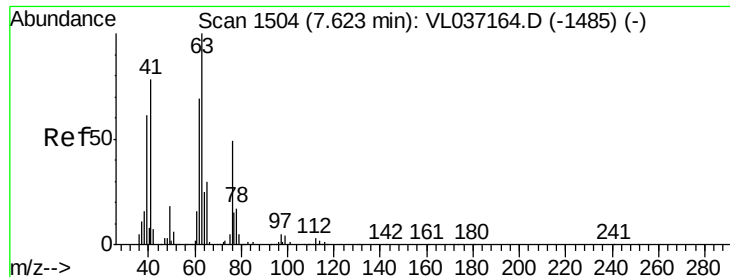
MMDadoda
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#38
 Trichloroethene
 Concen: 7.363 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Tgt Ion: 130 Resp: 1328069
 Ion Ratio Lower Upper
 130 100
 95 108.1 86.6 129.8
 132 95.3 76.6 114.8
 97 69.1 56.1 84.1





#39

1,2-Dichloropropane

Concen: 8.777 ppbv

RT: 7.61 min Scan# 1499

Delta R.T. -0.02 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 63 Resp: 1237542

Ion Ratio Lower Upper

63 100

41 71.9 62.0 93.0

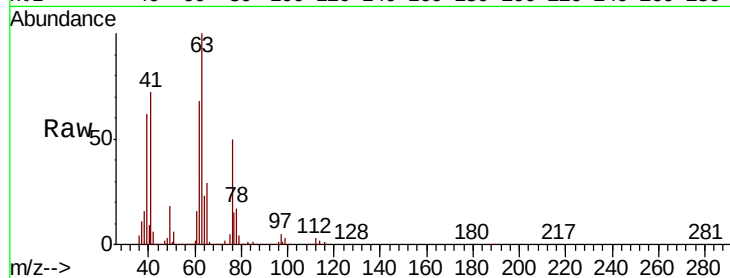
62 67.5 54.9 82.3

Manual Integrations

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MMDadoda

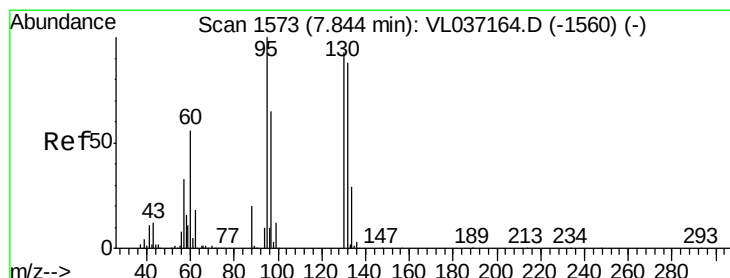
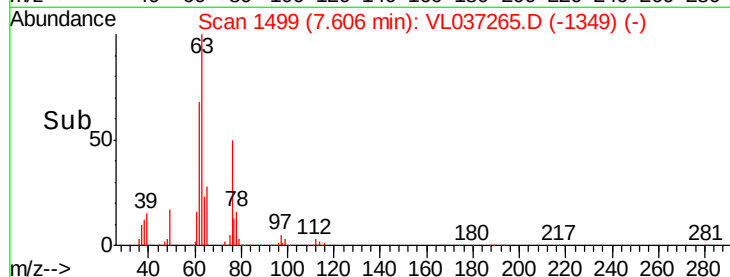
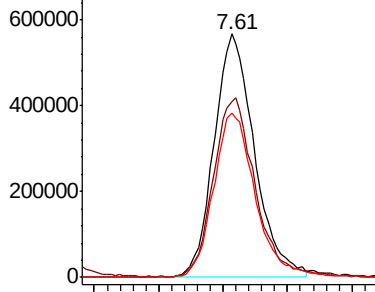
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Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 8.221 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Tgt Ion: 88 Resp: 317861

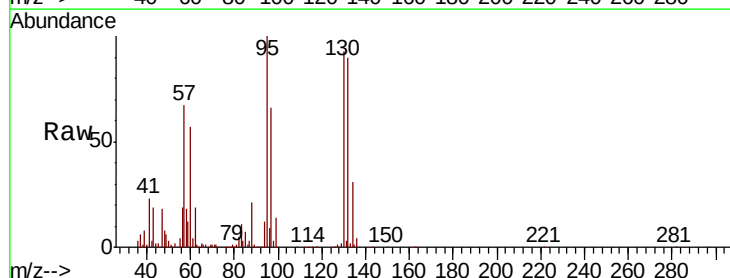
Ion Ratio Lower Upper

88 100

58 148.5 118.4 177.6

43 386.2 284.0 426.0

57 1688.1 1231.8 1847.6

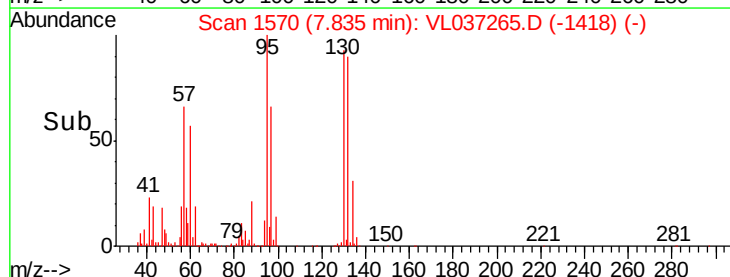
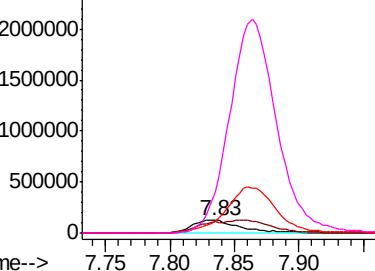


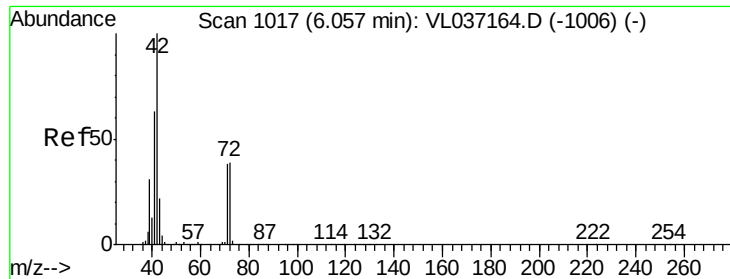
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





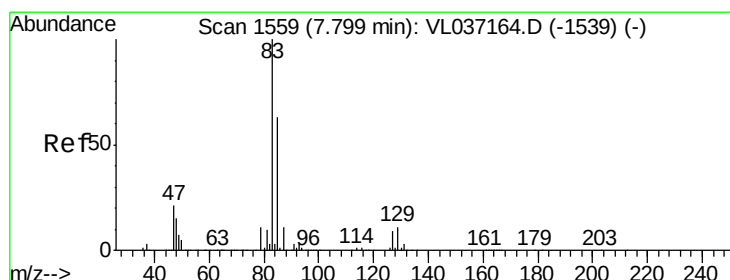
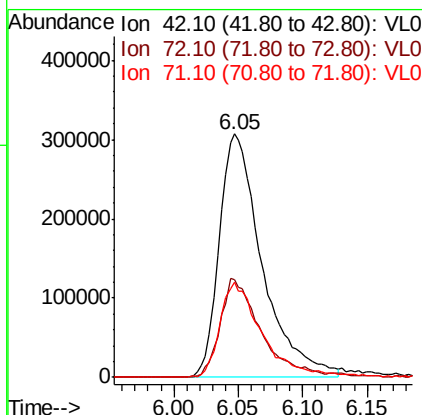
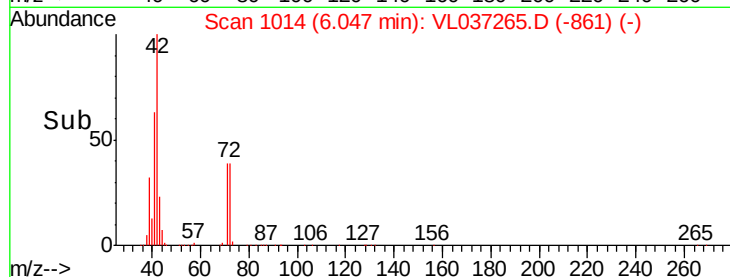
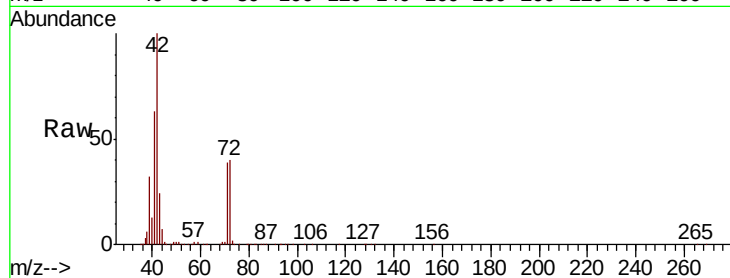
#41
Tetrahydrofuran
Concen: 8.272 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	33.0	49.4
71	39.6	31.0	46.6

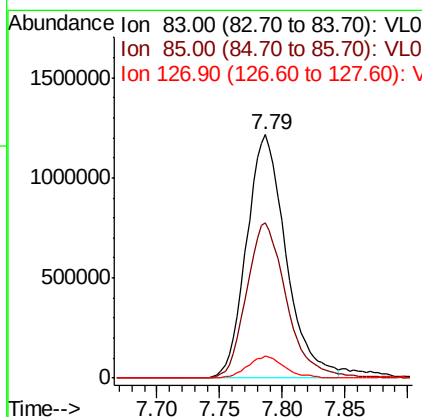
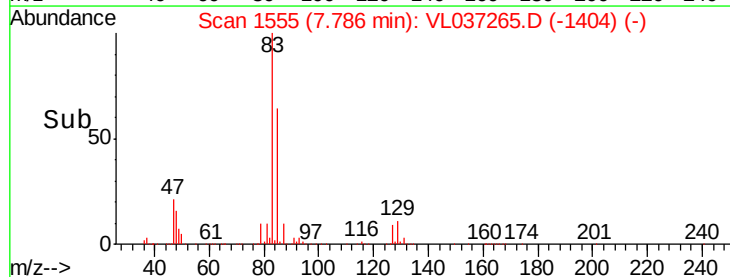
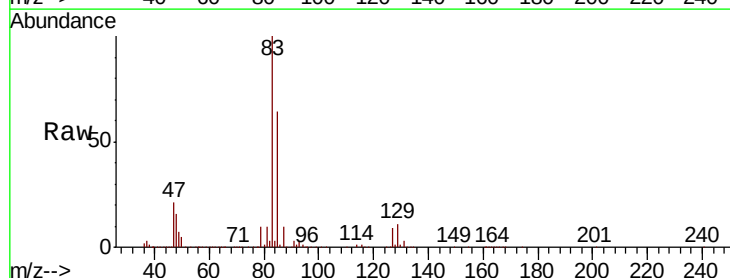
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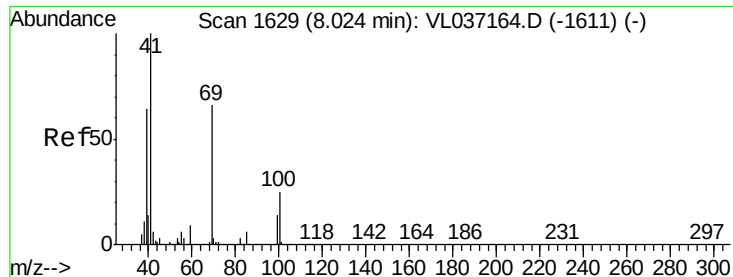
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#42
Bromodichloromethane
Concen: 8.749 ppbv
RT: 7.79 min Scan# 1555
Delta R.T. -0.01 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.8	76.2
127	9.2	7.0	10.6





#43

Methyl Methacrylate

Concen: 9.487 ppbv

RT: 8.01 min Scan# 1625

Delta R.T. -0.01 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

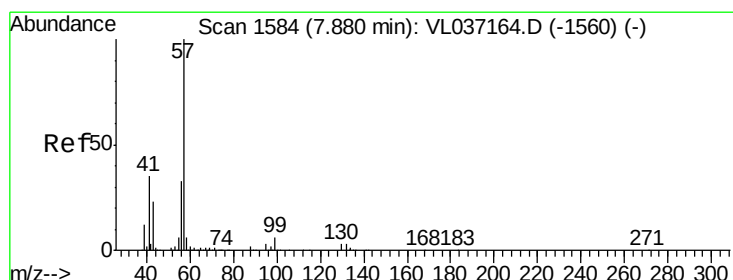
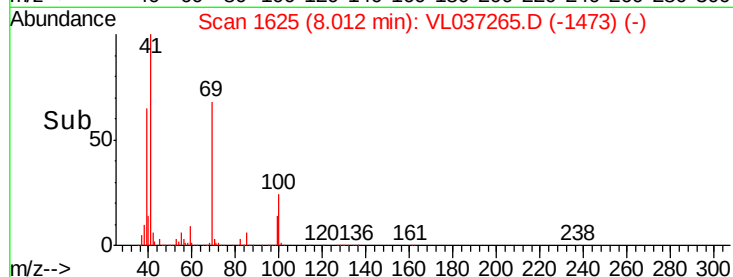
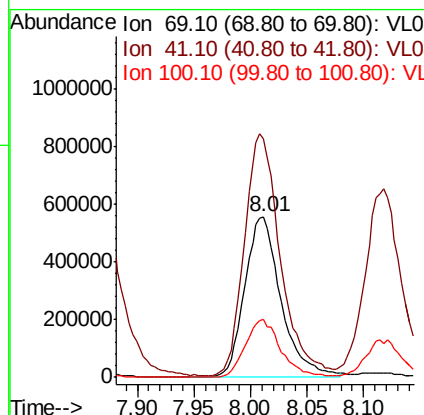
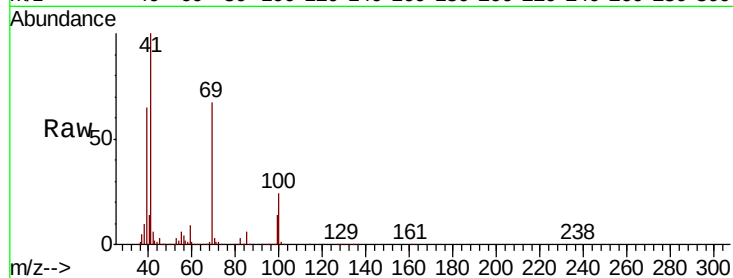
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1243174

Ion	Ratio	Lower	Upper
69	100		
41	150.6	119.4	179.0
100	35.1	28.6	43.0

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 8.402 ppbv

RT: 7.86 min Scan# 1579

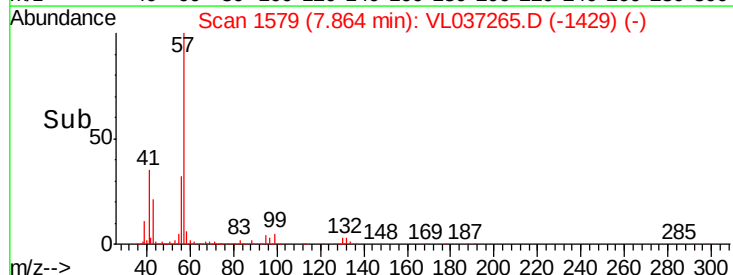
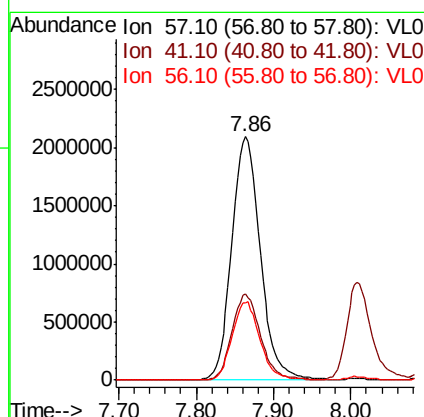
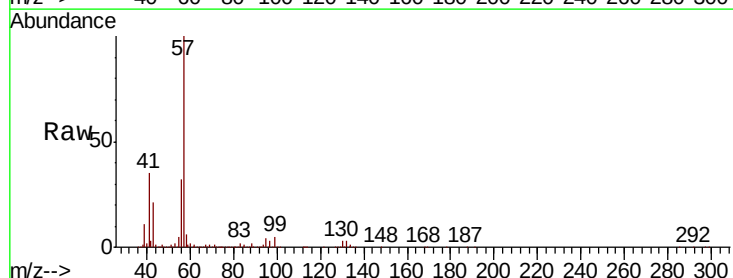
Delta R.T. -0.02 min

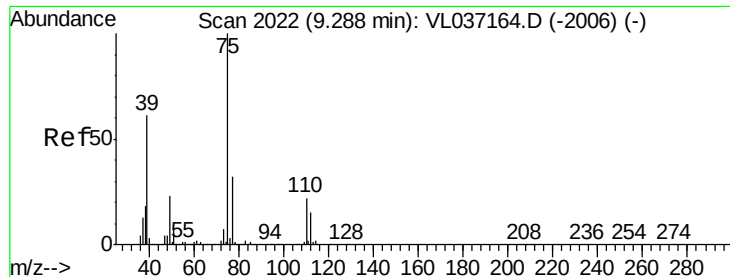
Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Tgt Ion: 57 Resp: 5368147

Ion	Ratio	Lower	Upper
57	100		
41	35.1	27.6	41.4
56	31.2	25.3	37.9





#45

t-1,3-Dichloropropene

Concen: 7.745 ppbv

RT: 9.27 min Scan# 2016

Delta R.T. -0.02 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 895439

Ion Ratio Lower Upper

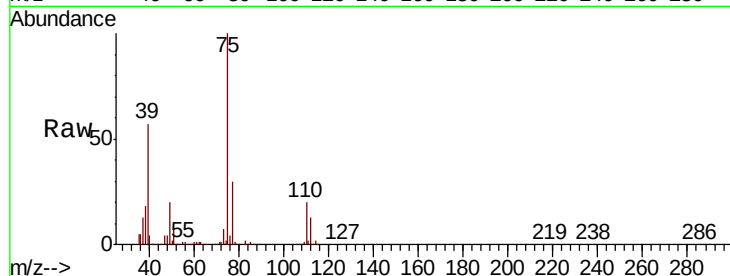
75 100

77 30.3 25.6 38.4

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.27

400000

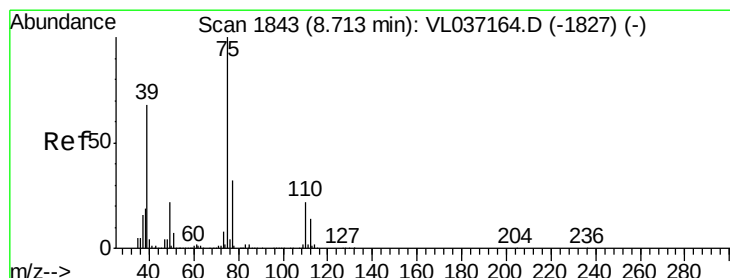
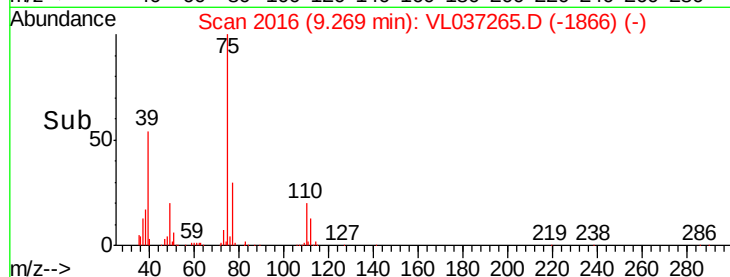
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 7.581 ppbv

RT: 8.70 min Scan# 1838

Delta R.T. -0.02 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

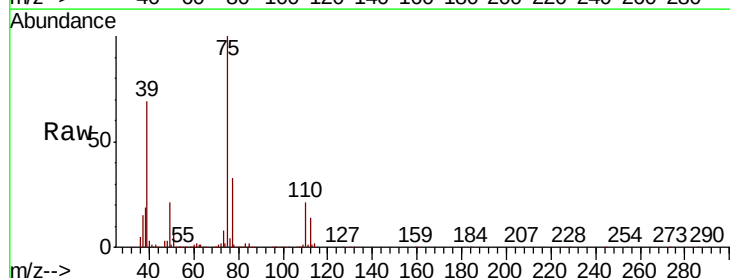
Tgt Ion: 75 Resp: 1198913

Ion Ratio Lower Upper

75 100

39 69.2 54.7 82.1

77 32.8 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.70

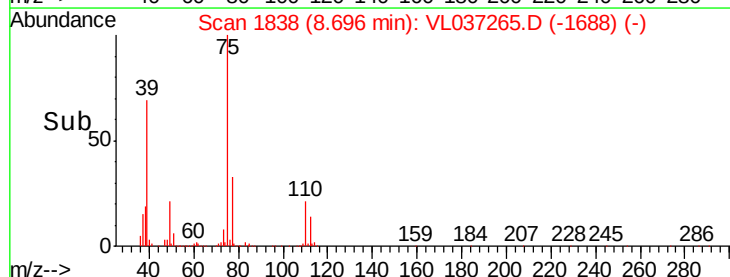
600000

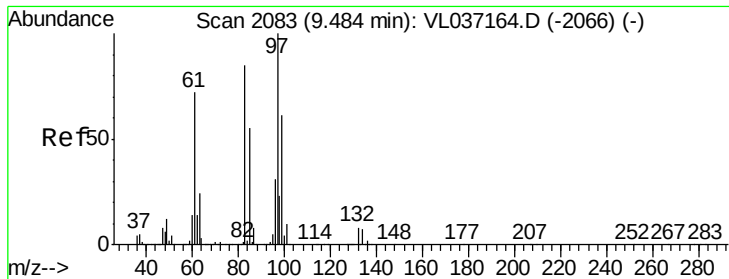
400000

200000

0

Time-->





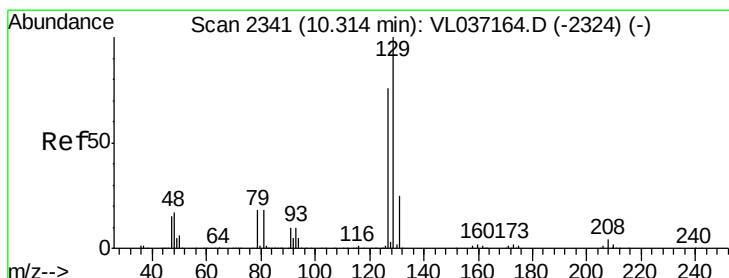
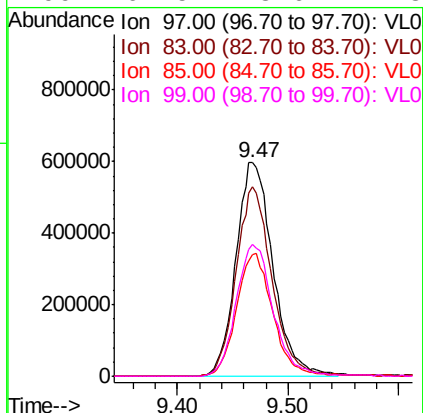
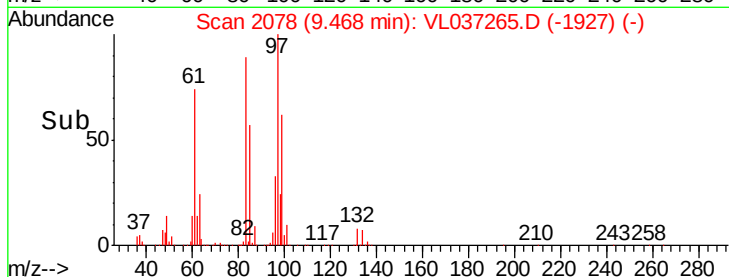
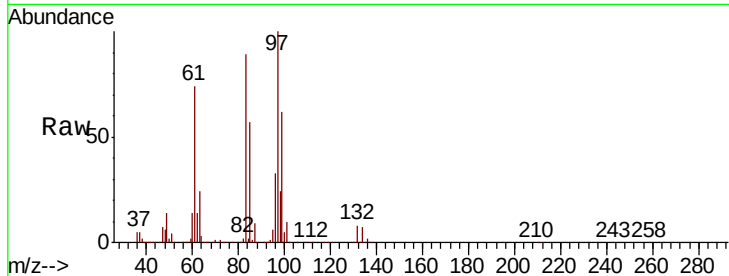
#47
 1,1,2-Trichloroethane
 Concen: 8.630 ppbv
 RT: 9.47 min Scan# 2078
 Delta R.T. -0.02 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.6	68.3	102.5
85	56.5	44.1	66.1
99	61.5	48.6	72.8

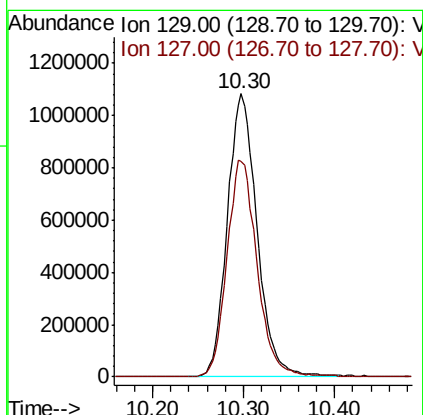
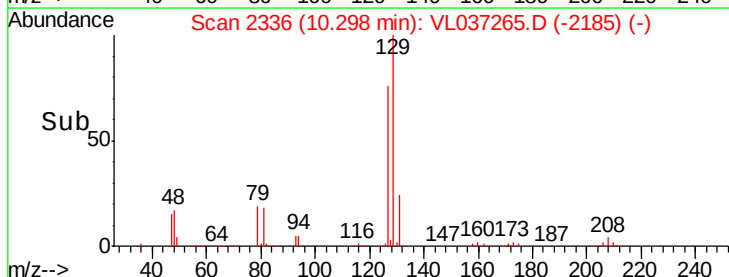
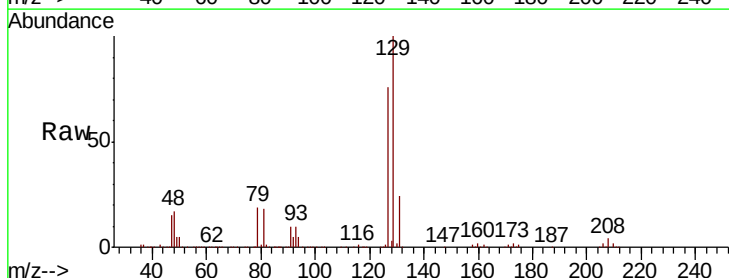
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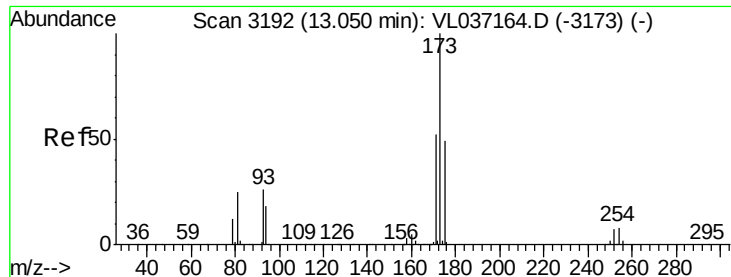
MMDadoda
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#48
 Dibromochloromethane
 Concen: 9.685 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T. -0.02 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.1	117.2





#49

Bromoform

Concen: 11.021 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. -0.02 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 2084825

Ion Ratio Lower Upper

173 100

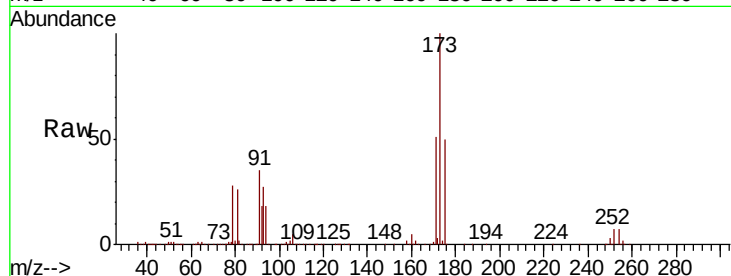
175 50.1 40.2 60.4

171 53.2 41.8 62.8

Manual Integrations
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MMDadoda

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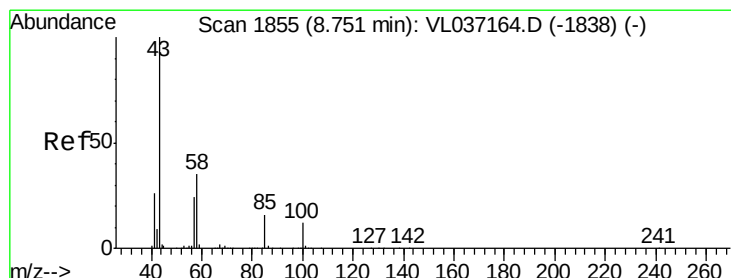
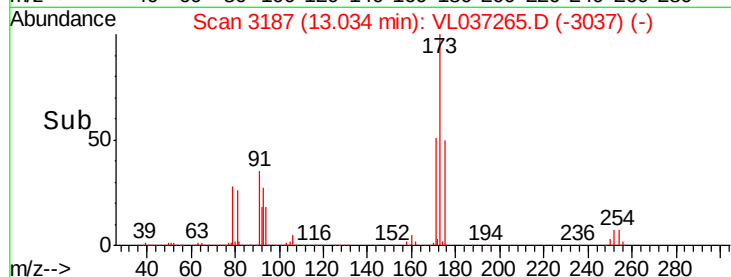
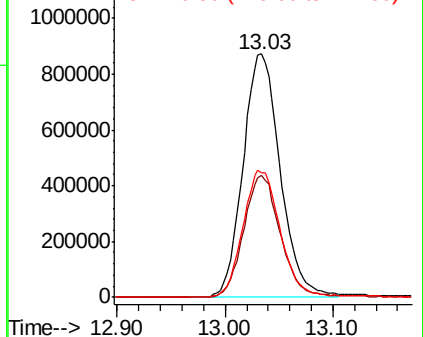


Abundance

Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 8.825 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.01 min

Lab File: VL037265.D

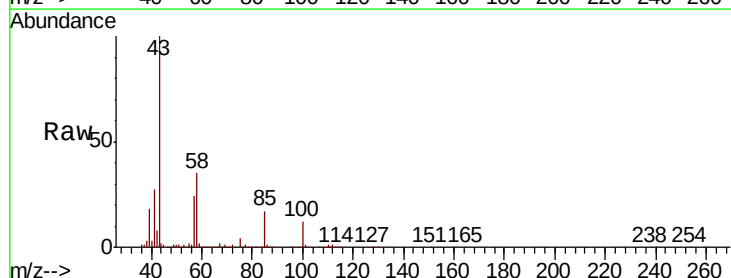
Acq: 30 Jun 2021 1:24

Tgt Ion: 43 Resp: 2212029

Ion Ratio Lower Upper

43 100

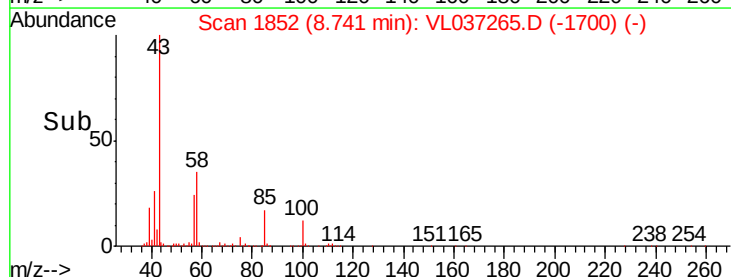
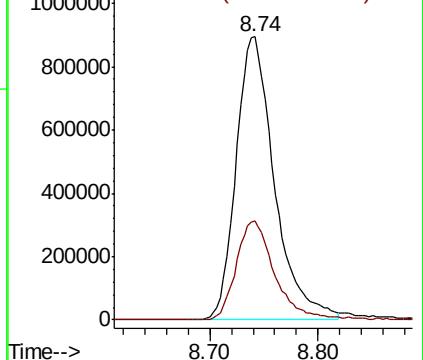
58 35.7 28.4 42.6

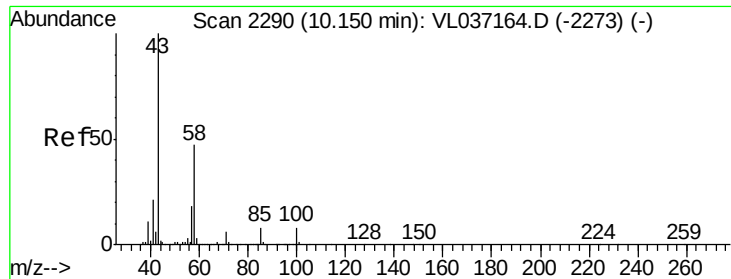


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





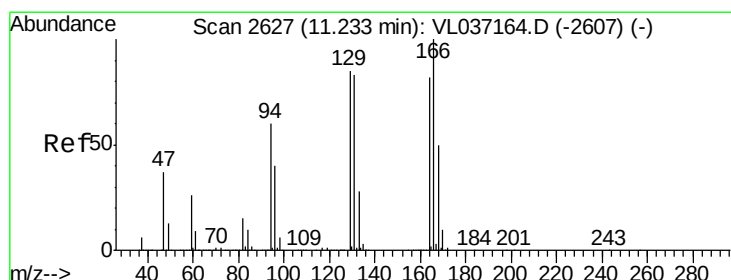
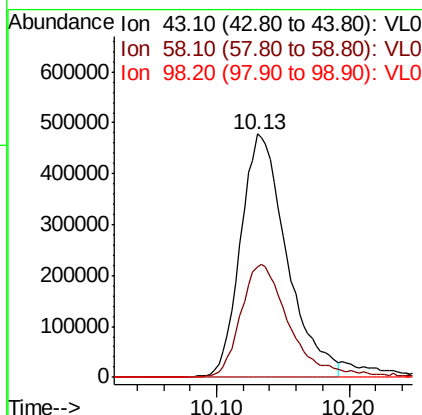
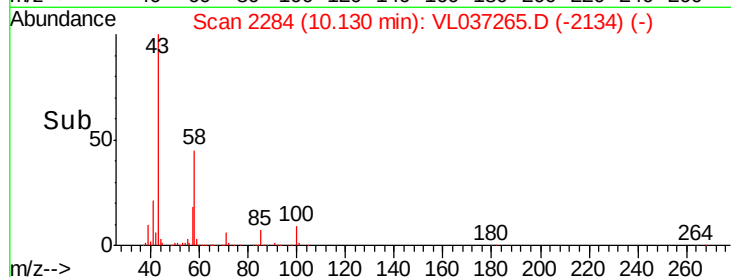
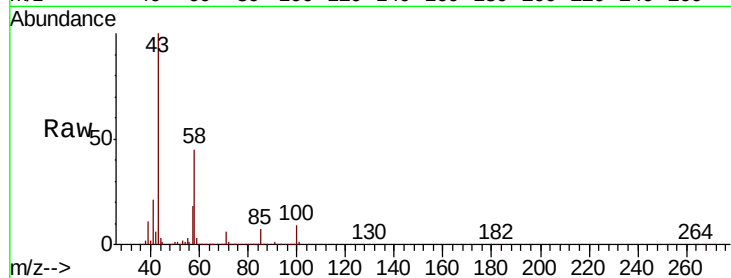
#51
2-Hexanone
Concen: 9.478 ppbv
RT: 10.13 min Scan# 2284
Delta R.T. -0.02 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1155840
Ion Ratio Lower Upper
43 100
58 50.1 38.4 57.6
98 0.3 0.3 0.5#

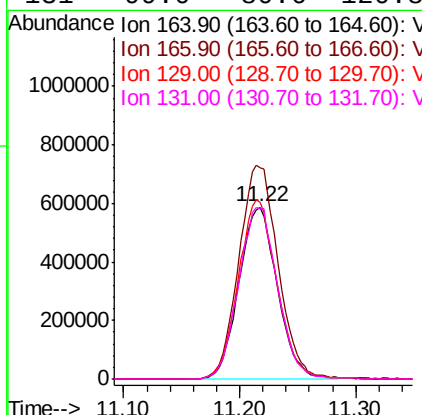
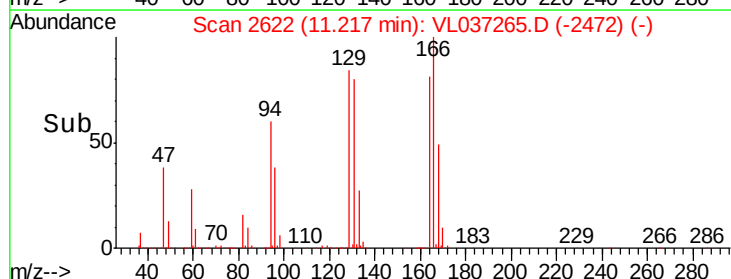
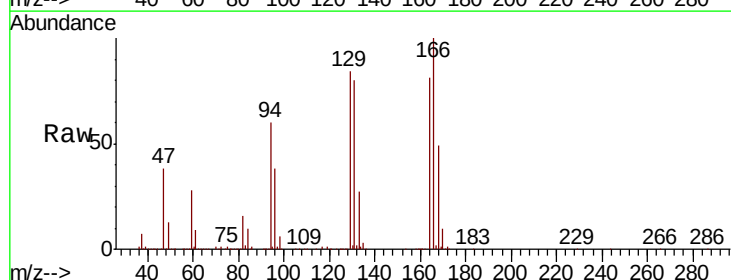
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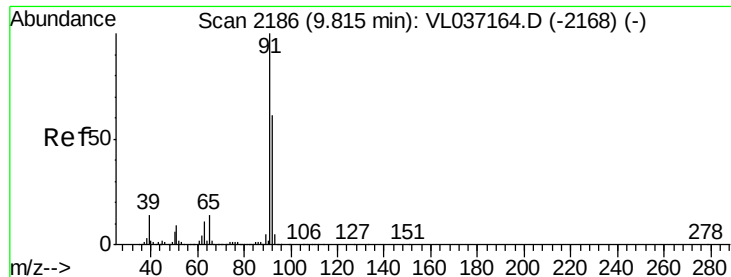
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#52
Tetrachloroethene
Concen: 7.656 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. -0.02 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Tgt Ion:164 Resp: 1349811
Ion Ratio Lower Upper
164 100
166 123.0 97.6 146.4
129 102.8 82.9 124.3
131 99.0 80.6 120.8





#53

Toluene

Concen: 8.639 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. -0.02 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3915658

Ion Ratio Lower Upper

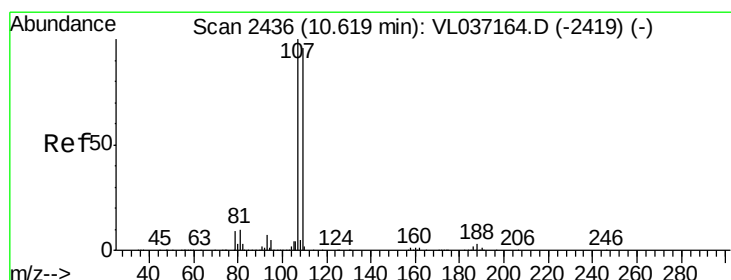
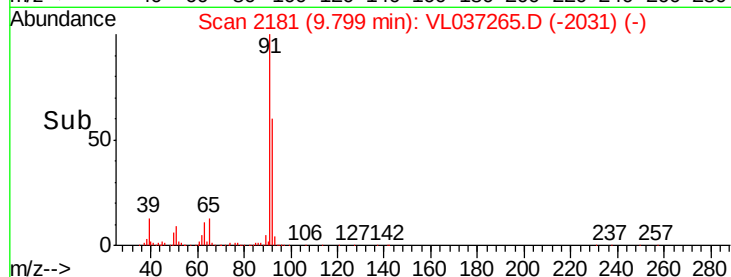
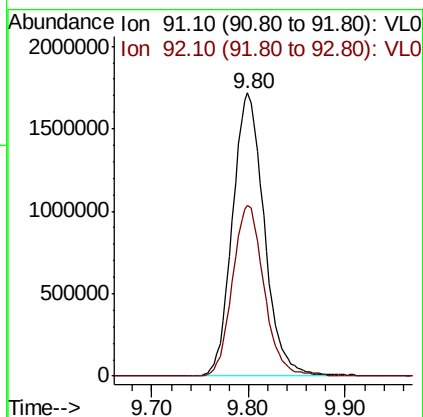
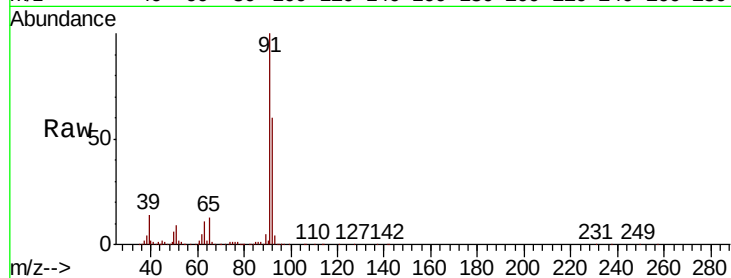
91 100

92 60.2 48.3 72.5

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#54

1,2-Dibromoethane

Concen: 8.752 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. -0.02 min

Lab File: VL037265.D

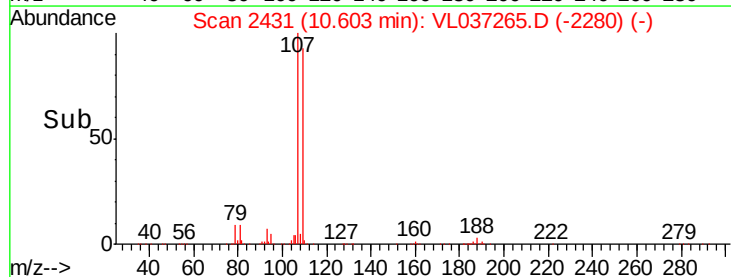
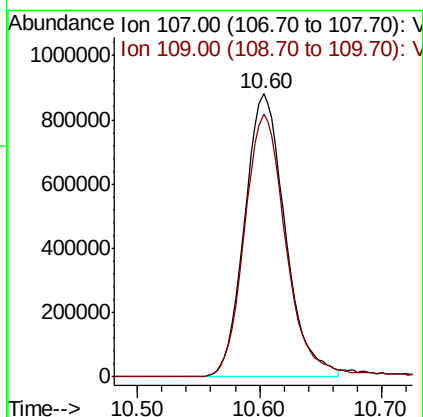
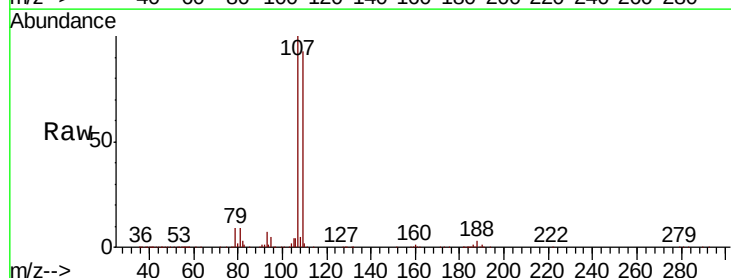
Acq: 30 Jun 2021 1:24

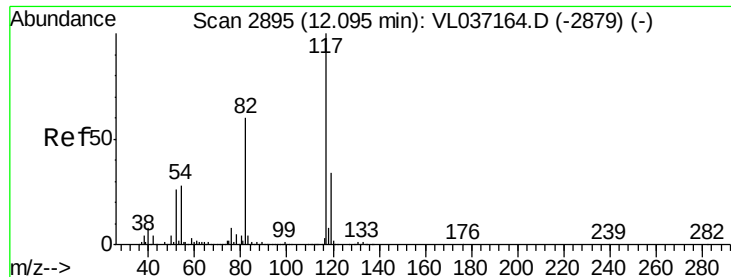
Tgt Ion: 107 Resp: 2023135

Ion Ratio Lower Upper

107 100

109 92.7 77.0 115.6





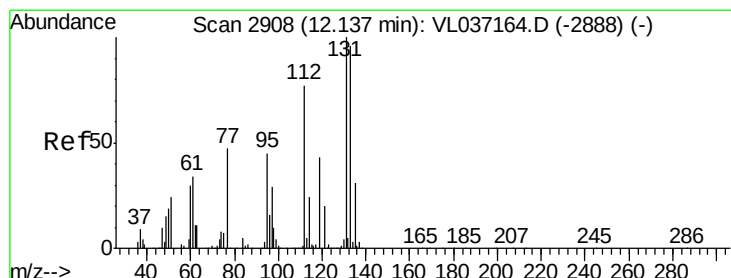
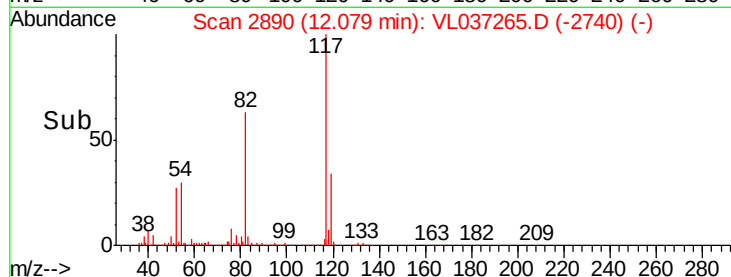
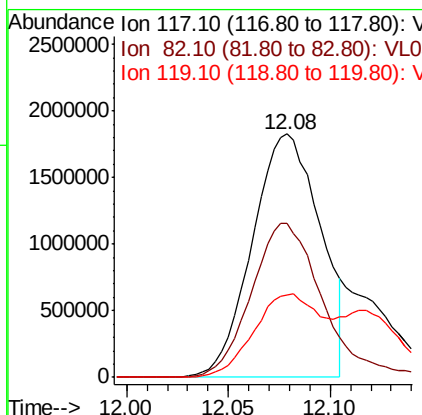
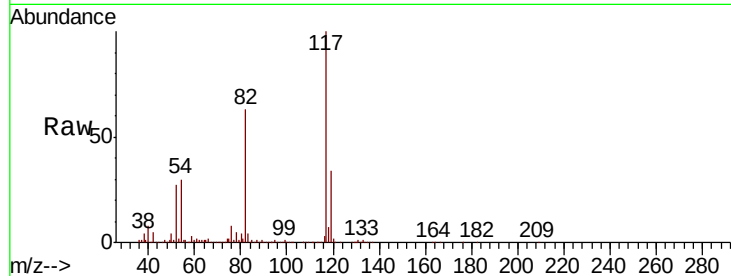
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2890
Delta R.T. -0.02 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 4248004
Ion Ratio Lower Upper
117 100
82 67.9 51.7 77.5
119 59.5 47.6 71.4

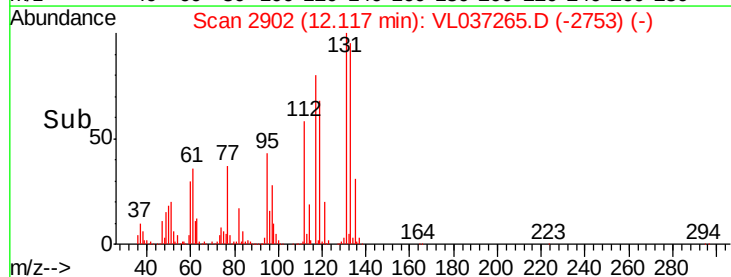
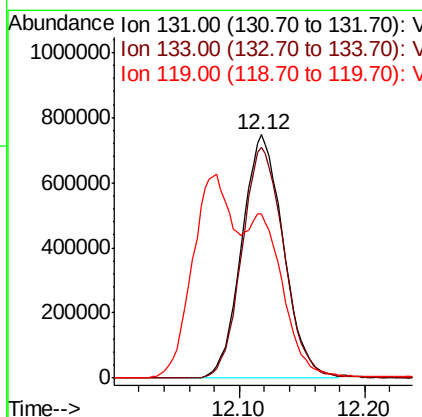
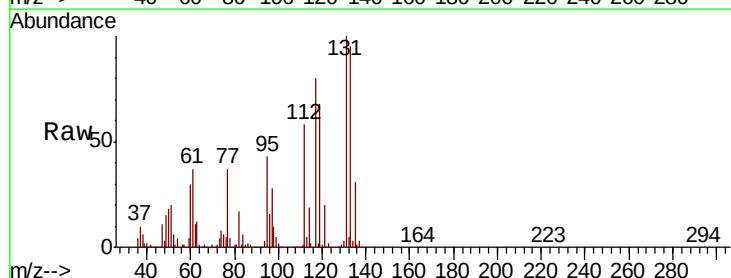
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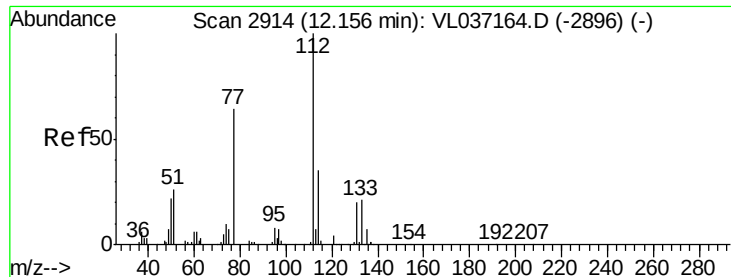
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.250 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.02 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Tgt Ion:131 Resp: 1718041
Ion Ratio Lower Upper
131 100
133 96.3 76.5 114.7
119 147.2 48.6 72.8#





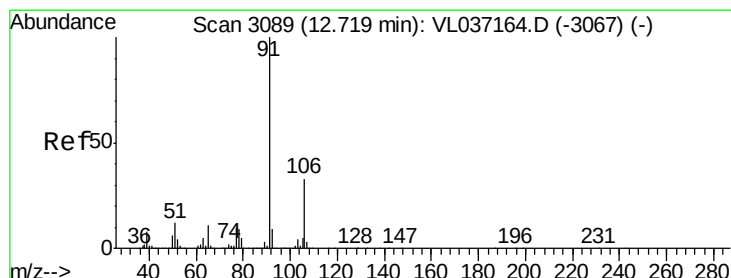
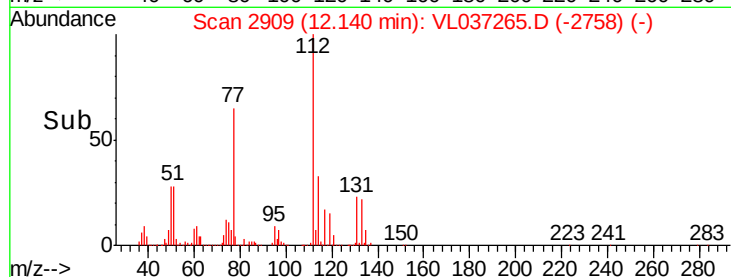
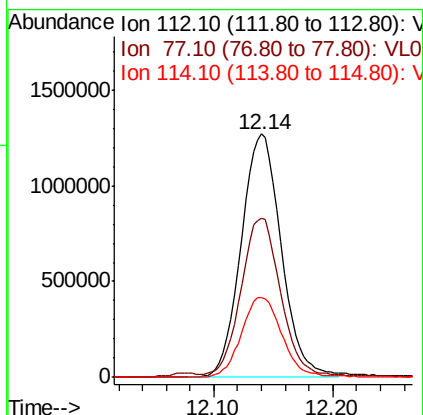
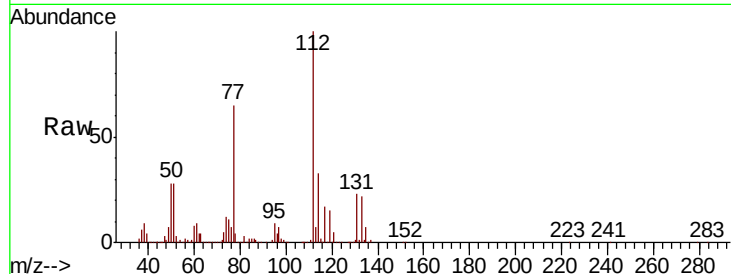
#57
Chlorobenzene
Concen: 8.614 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.02 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
77	64.1	52.2	78.4
114	33.0	31.1	38.1

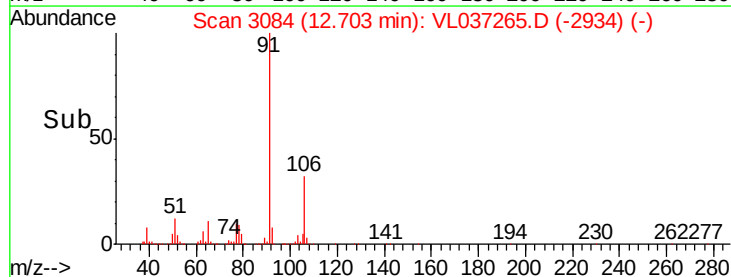
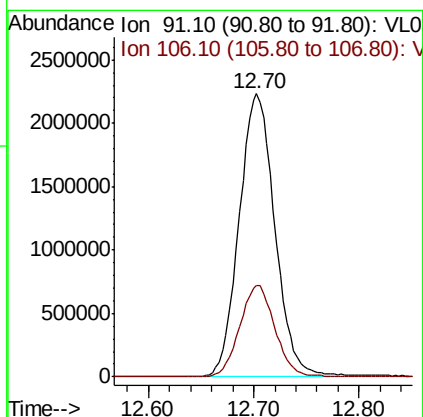
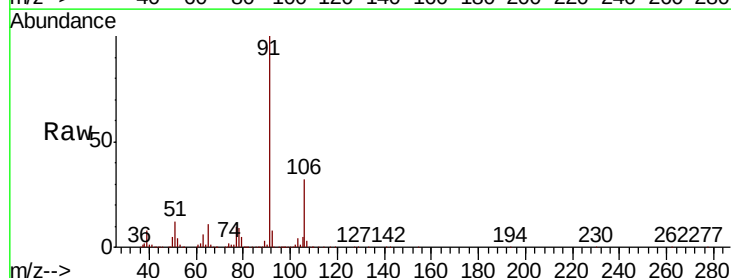
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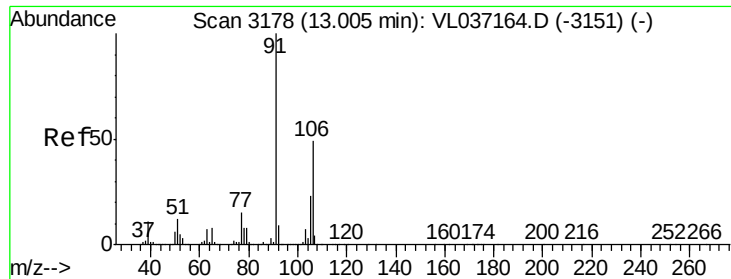
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#58
Ethyl Benzene
Concen: 8.990 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. -0.02 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.1	26.3	39.5





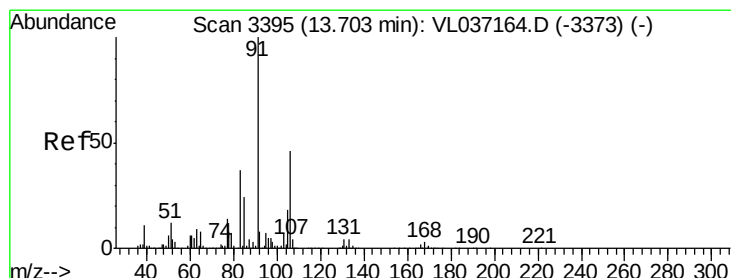
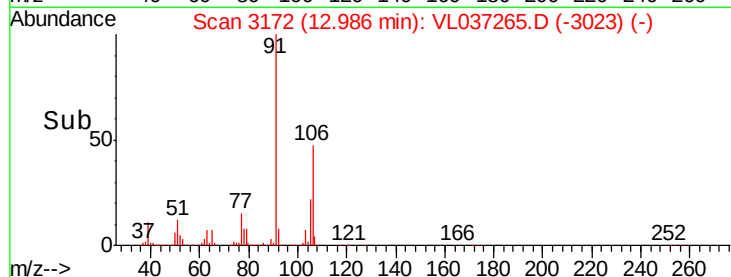
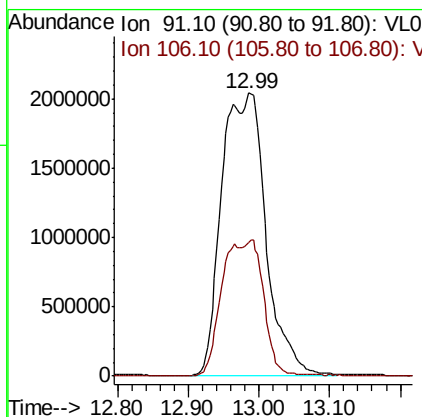
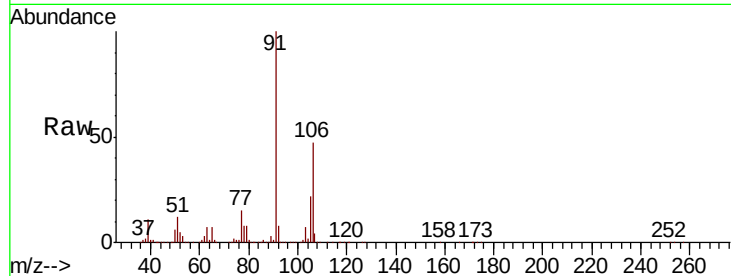
#59
m/p-Xylene
Concen: 17.948 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. -0.02 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 8894854
Ion Ratio Lower Upper
91 100
106 44.9 37.0 55.4

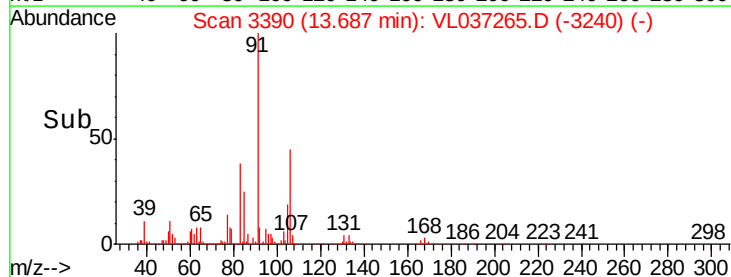
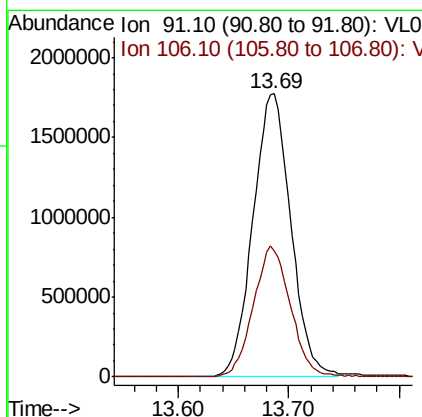
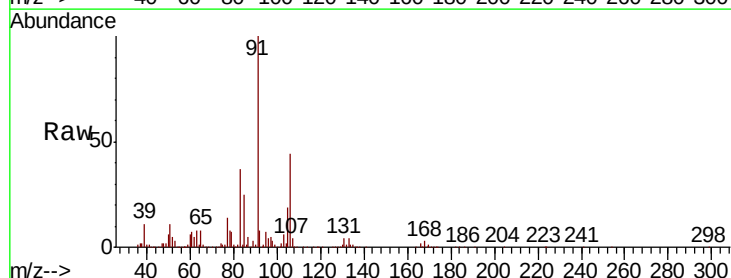
Manual Integrations
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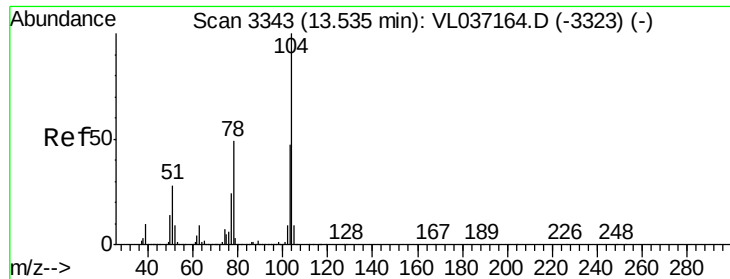
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#60
o-Xylene
Concen: 8.918 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. -0.02 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Tgt Ion: 91 Resp: 4208097
Ion Ratio Lower Upper
91 100
106 45.4 23.0 69.0





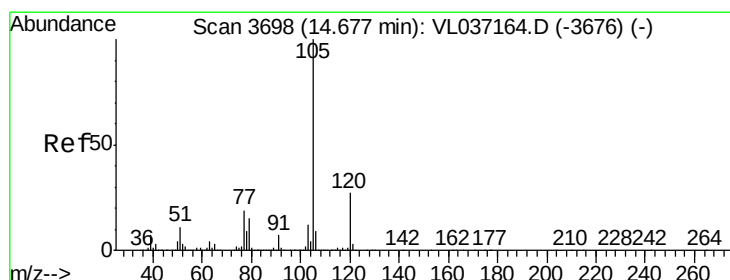
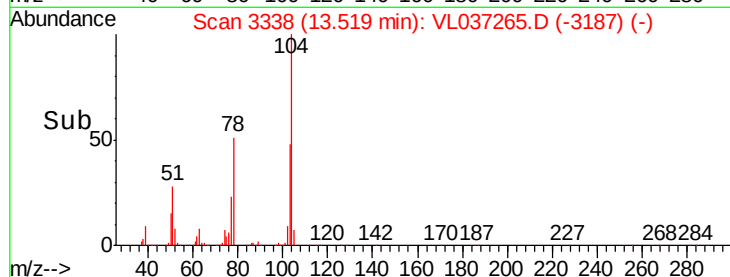
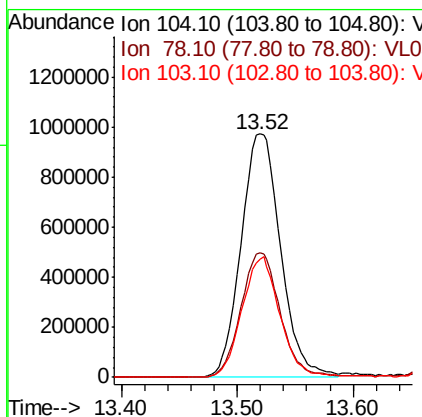
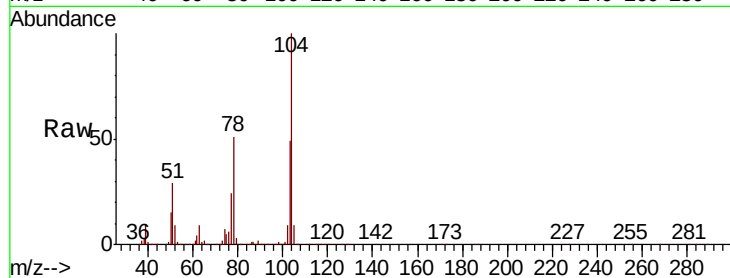
#61
Stvrene
Concen: 9.499 ppbv
RT: 13.52 min Scan# 3338
Delta R.T. -0.02 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.0	39.7	59.5
103	48.2	37.6	56.4

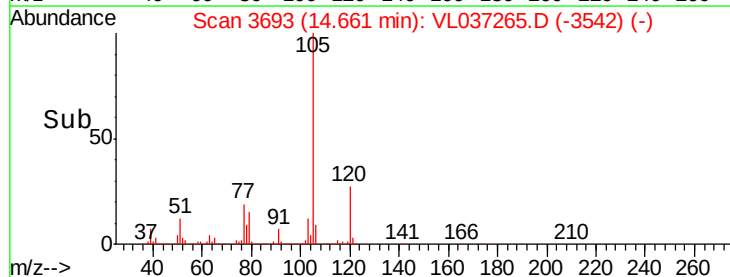
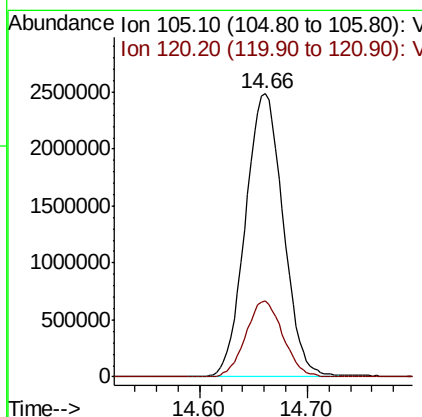
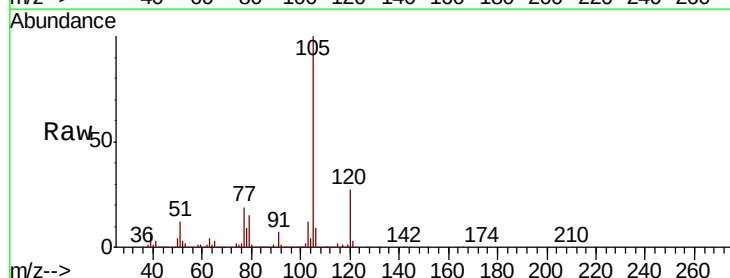
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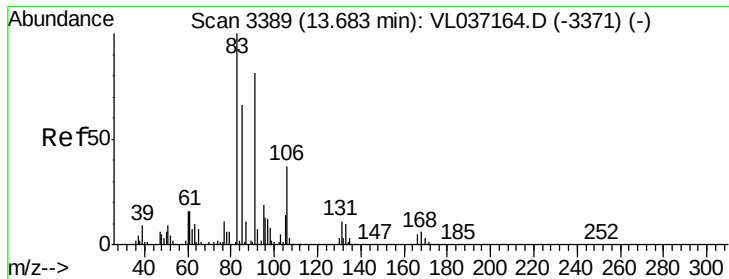
MMDadoda
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#62
Isopropylbenzene
Concen: 9.022 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. -0.02 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.6	32.4





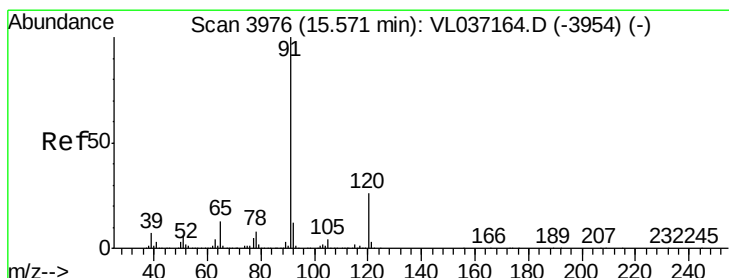
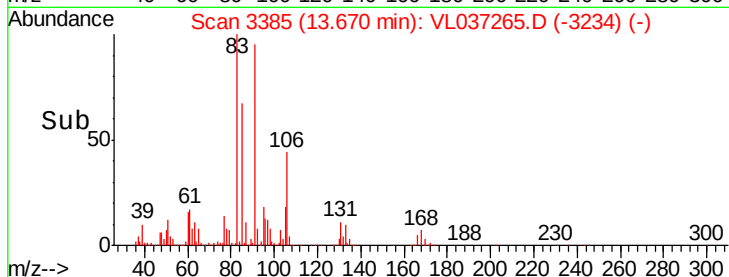
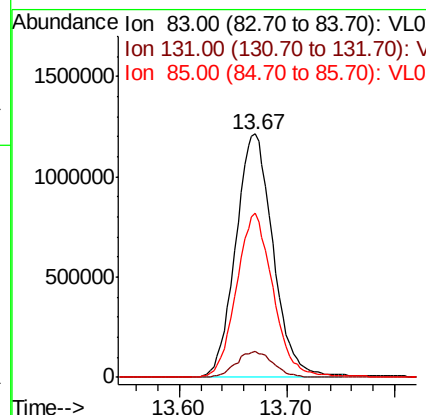
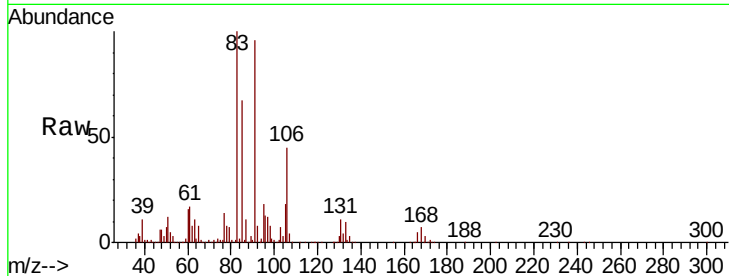
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.305 ppbv
 RT: 13.67 min Scan# 3385
 Delta R.T. -0.01 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	83	Resp	2923504
Ion Ratio	100	Lower	Upper
83	100		
131	10.7	5.4	16.2
85	66.7	33.1	99.2

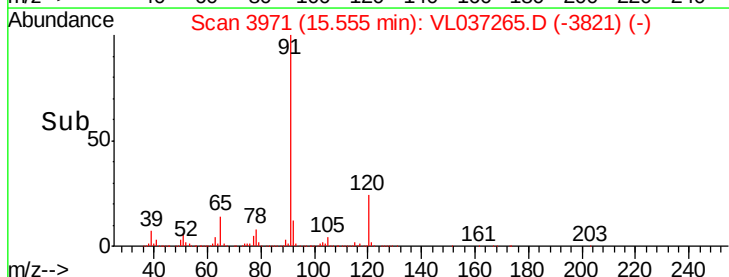
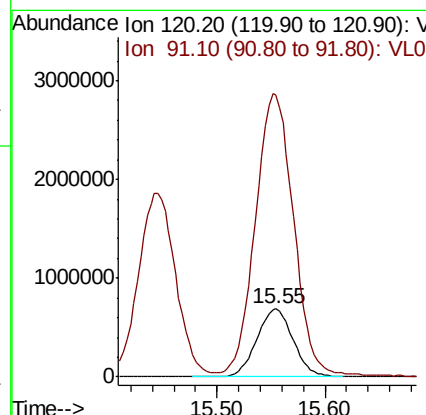
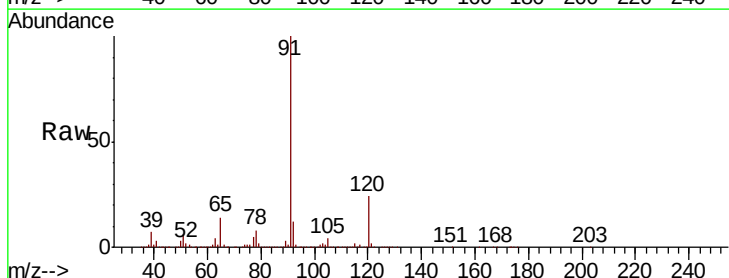
Manual Integrations
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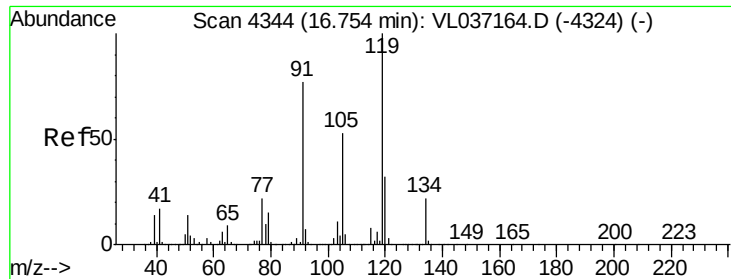
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#64
 n-propylbenzene
 Concen: 9.580 ppbv
 RT: 15.55 min Scan# 3971
 Delta R.T. -0.02 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Tgt Ion	120	Resp	1609766
Ion Ratio	100	Lower	Upper
120	100		
91	440.0	343.3	514.9





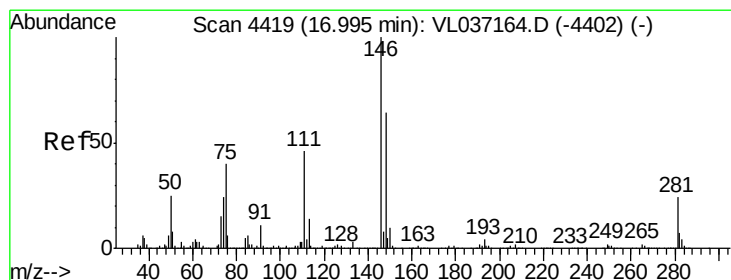
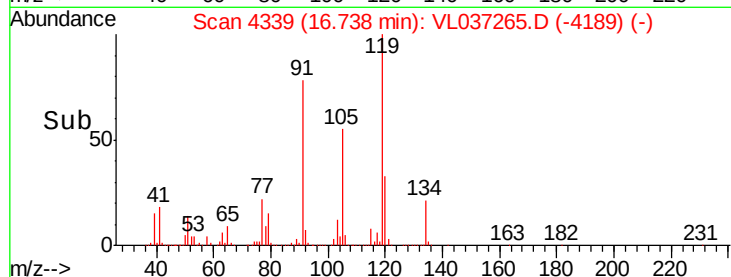
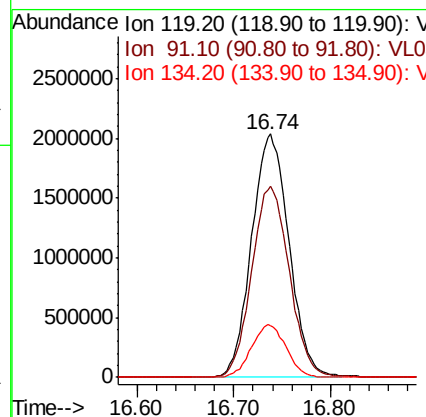
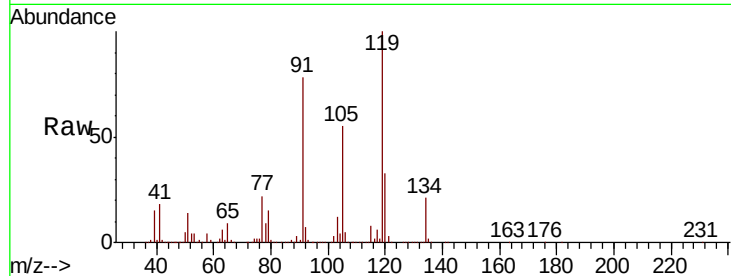
#65
 tert-Butylbenzene
 Concen: 9.177 ppbv
 RT: 16.74 min Scan# 4339
 Delta R.T. -0.02 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:119 Resp: 5461740
 Ion Ratio Lower Upper
 119 100
 91 79.4 62.6 93.8
 134 20.3 16.2 24.4

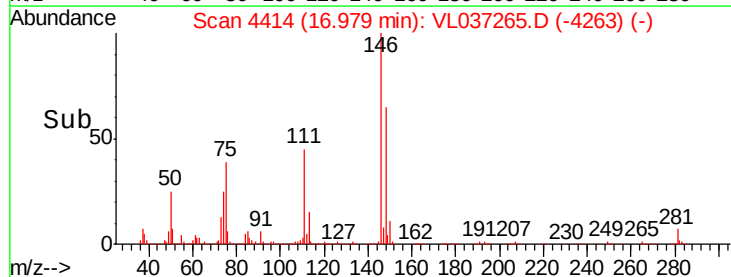
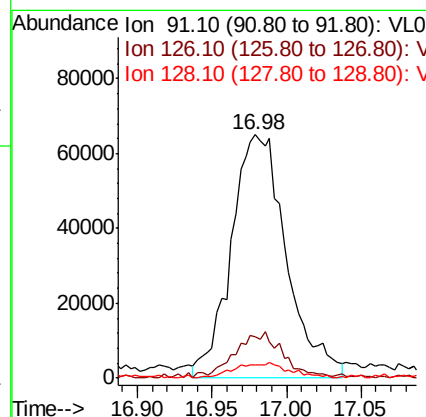
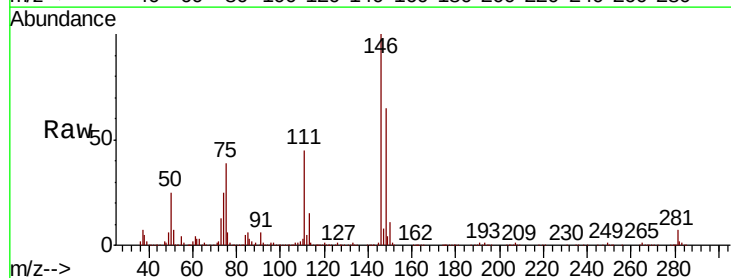
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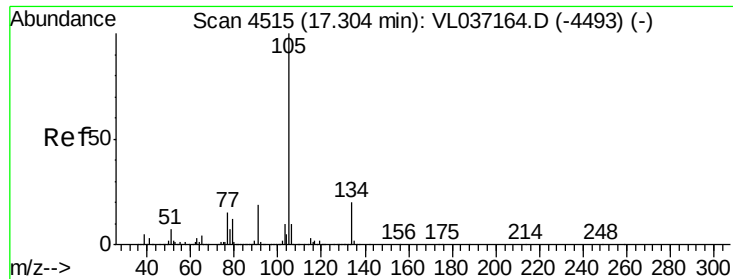
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#66
 Benzyl Chloride
 Concen: 6.640 ppbv m
 RT: 16.98 min Scan# 4414
 Delta R.T. -0.02 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Tgt Ion: 91 Resp: 167447
 Ion Ratio Lower Upper
 91 100
 126 17.1 15.5 23.3
 128 6.4 5.7 8.5





#67

sec-Butylbenzene

Concen: 9.225 ppbv

RT: 17.29 min Scan# 4510

Delta R.T. -0.02 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 7320564

Ion Ratio Lower Upper

105 100

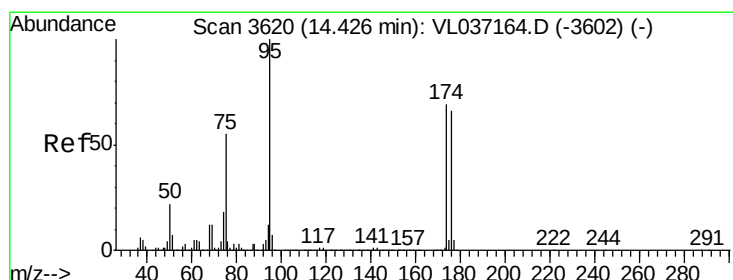
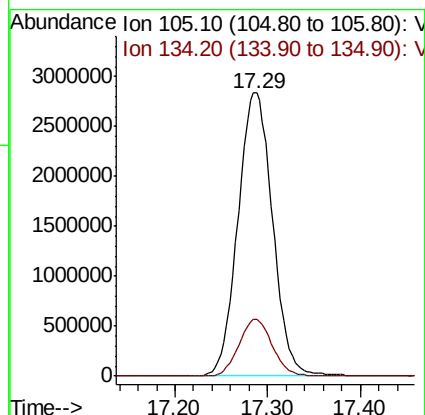
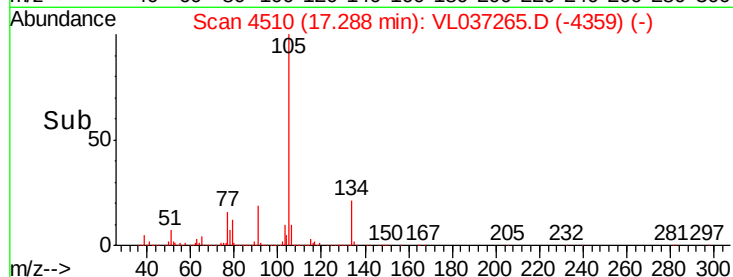
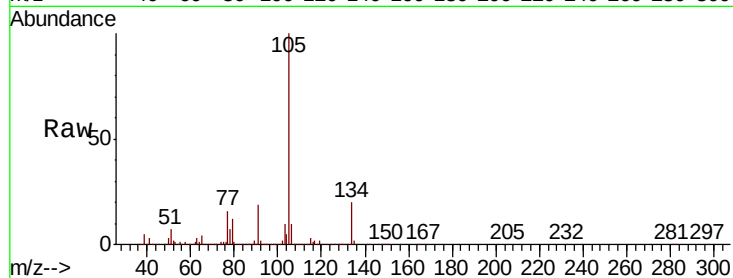
134 19.4 15.8 23.6

Manual Integrations

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.736 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.02 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

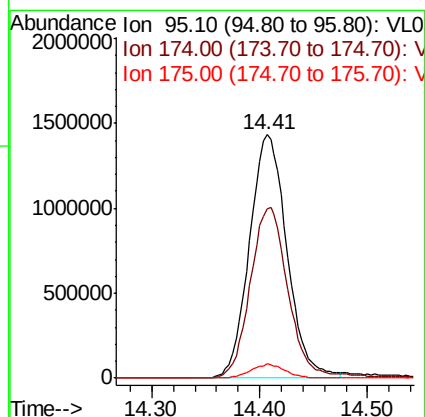
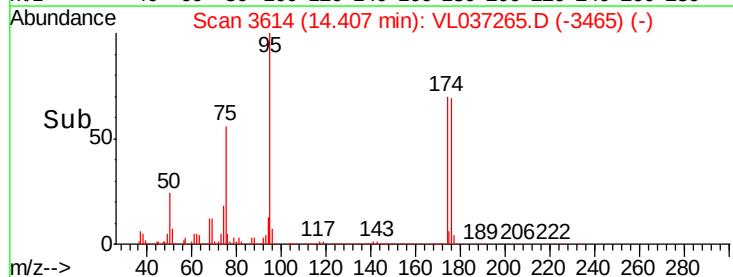
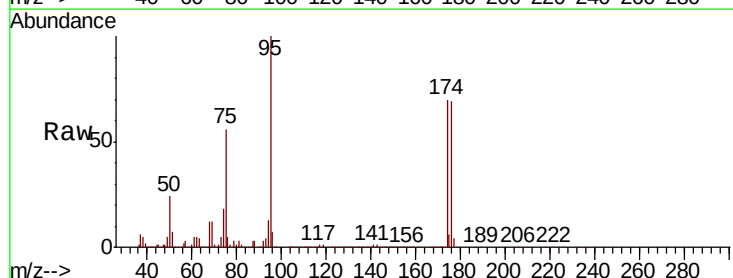
Tgt Ion: 95 Resp: 3455979

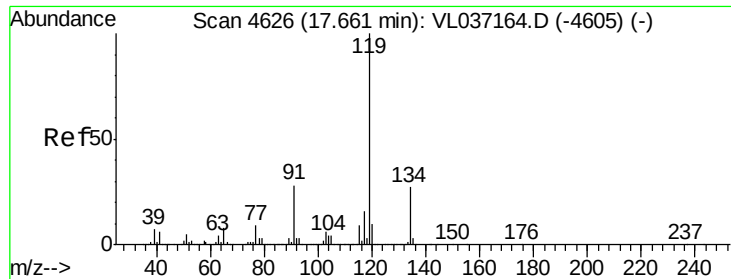
Ion Ratio Lower Upper

95 100

174 72.1 57.0 85.4

175 5.6 4.4 6.6





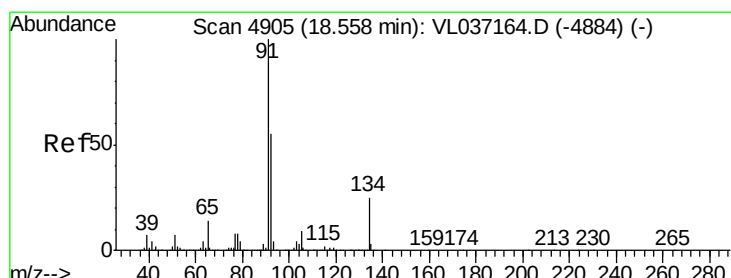
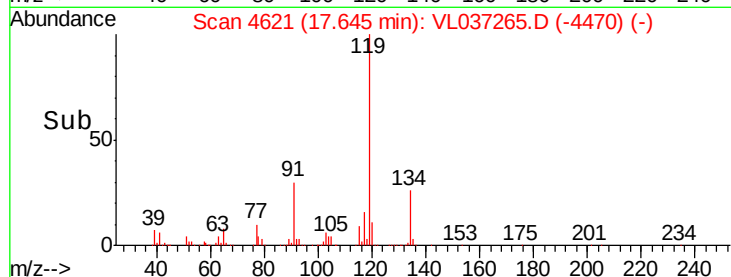
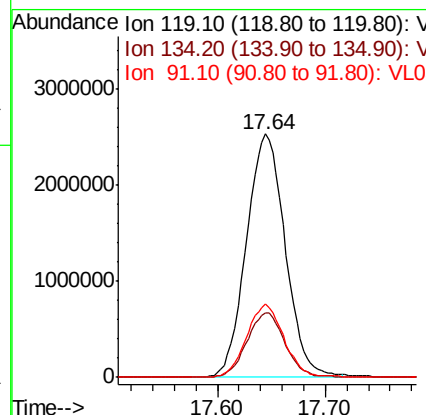
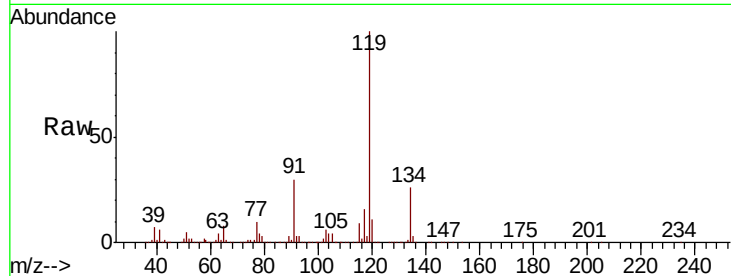
#69
 p-Isopropyltoluene
 Concen: 9.432 ppbv
 RT: 17.64 min Scan# 4621
 Delta R.T. -0.02 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.1	20.9	31.3
91	28.8	22.6	34.0

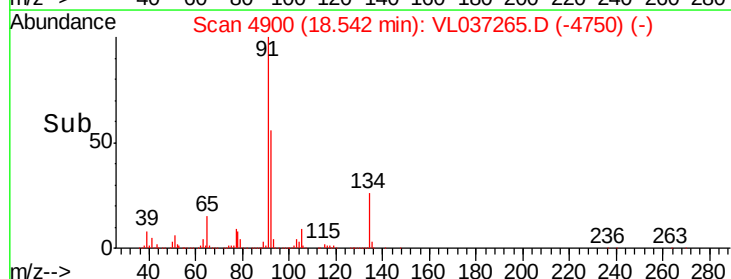
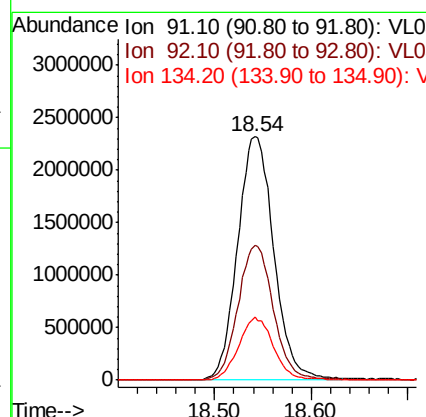
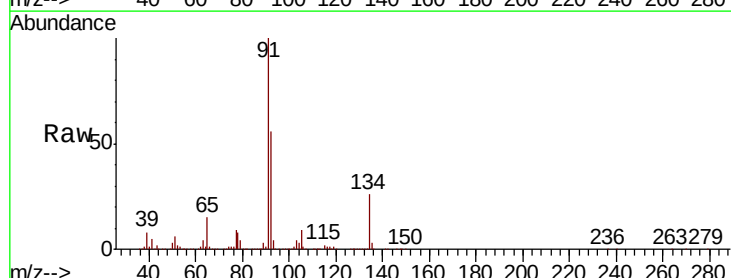
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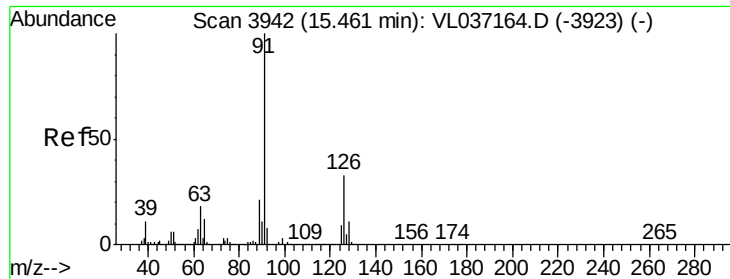
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#70
 n-Butylbenzene
 Concen: 9.719 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T. -0.02 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.8	44.0	66.0
134	25.0	20.2	30.4





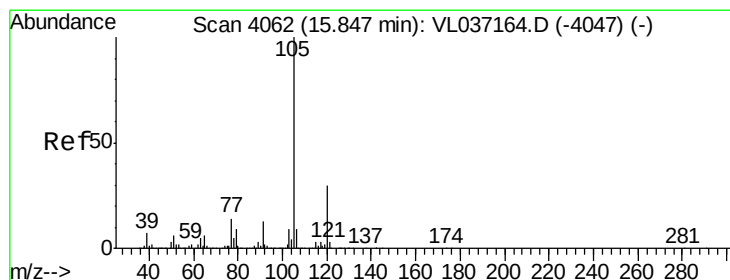
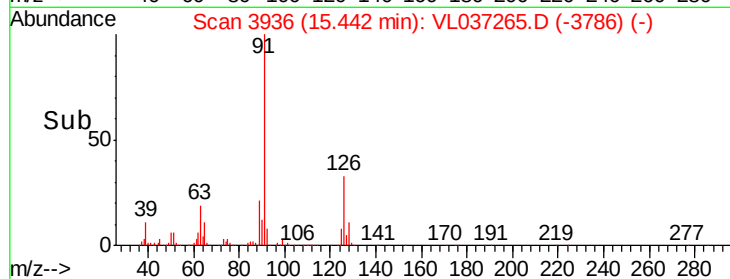
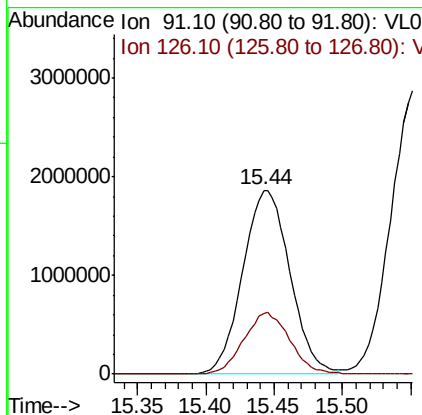
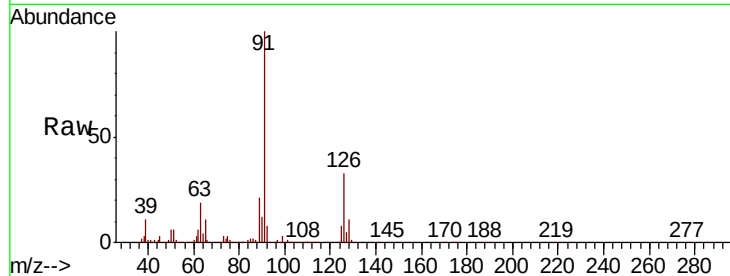
#71
2-Chlorotoluene
Concen: 9.528 ppbv
RT: 15.44 min Scan# 3936
Delta R.T. -0.02 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 4469856
Ion Ratio Lower Upper
91 100
126 33.0 13.5 54.1

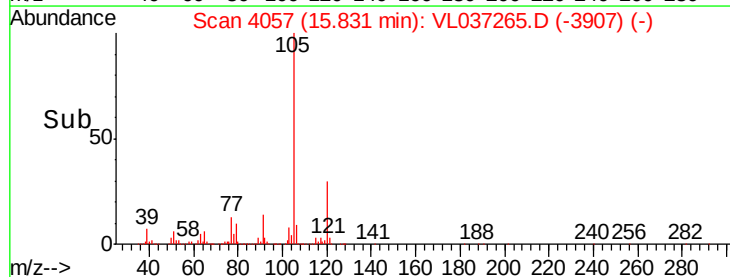
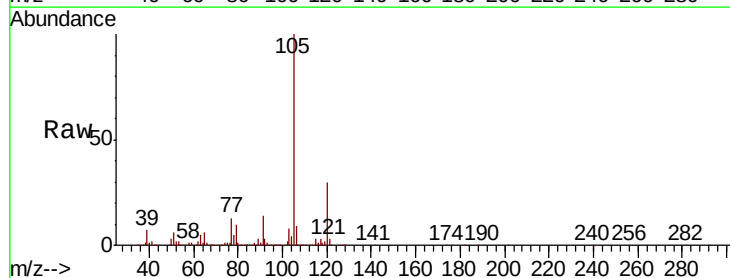
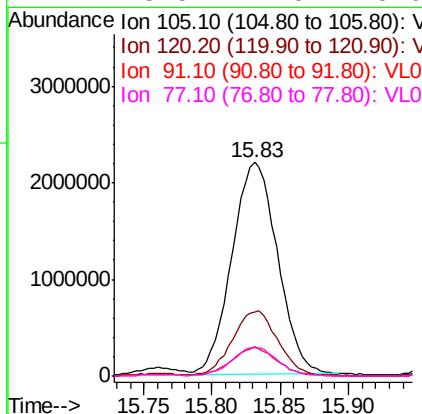
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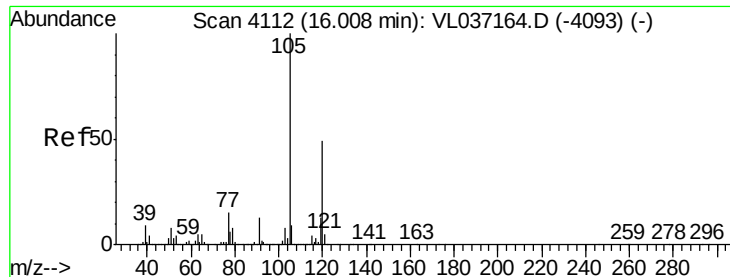
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#72
4-Ethyltoluene
Concen: 9.558 ppbv
RT: 15.83 min Scan# 4057
Delta R.T. -0.02 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Tgt Ion: 105 Resp: 5124057
Ion Ratio Lower Upper
105 100
120 30.9 24.7 37.1
91 13.0 10.2 15.4
77 13.5 11.0 16.6





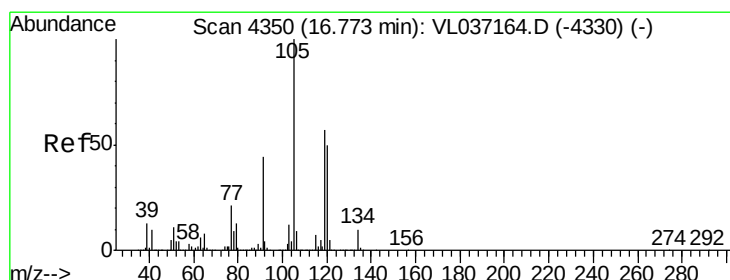
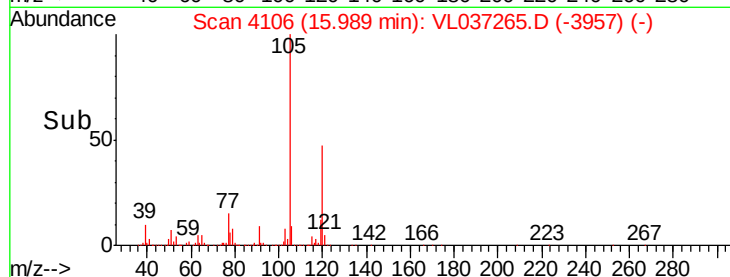
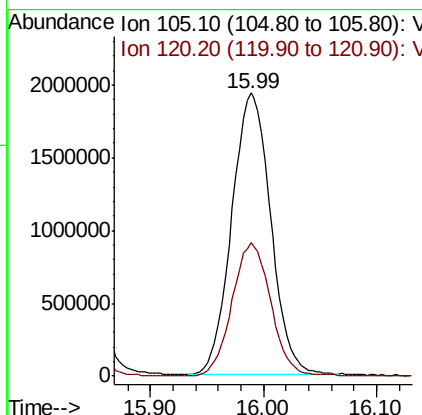
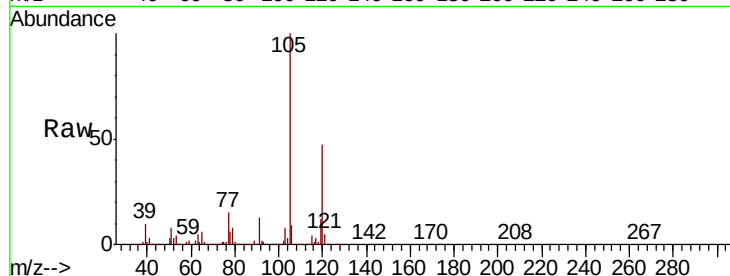
#73
 1,3,5-Trimethylbenzene
 Concen: 8.916 ppbv
 RT: 15.99 min Scan# 4106
 Delta R.T. -0.02 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 4620163
 Ion Ratio Lower Upper
 105 100
 120 47.4 39.4 59.2

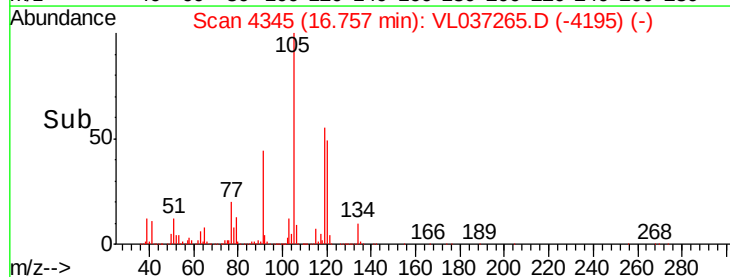
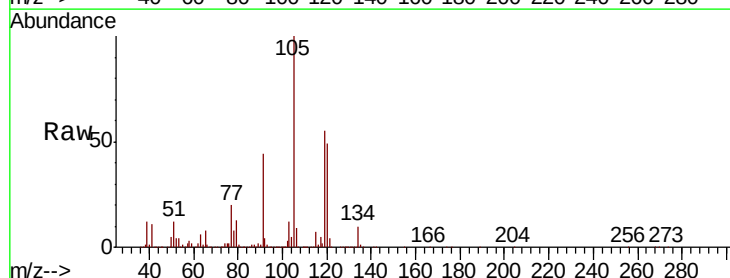
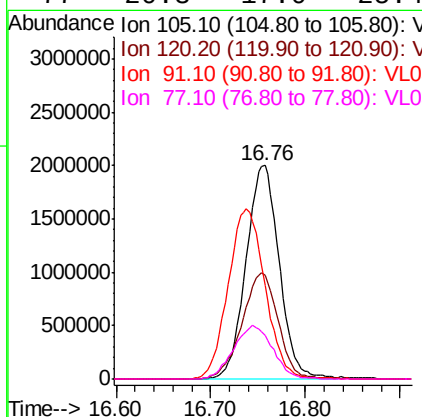
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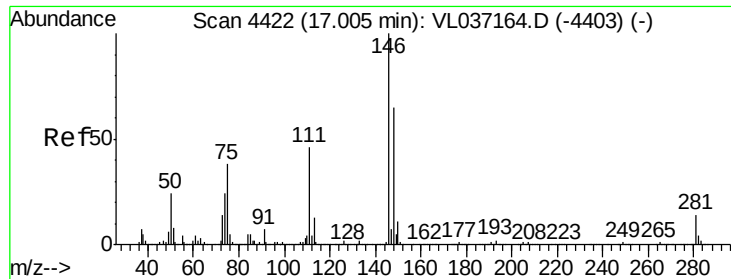
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.115 ppbv
 RT: 16.76 min Scan# 4345
 Delta R.T. -0.02 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Tgt Ion:105 Resp: 4866644
 Ion Ratio Lower Upper
 105 100
 120 48.8 39.8 59.8
 91 43.6 37.0 55.4
 77 20.3 17.0 25.4





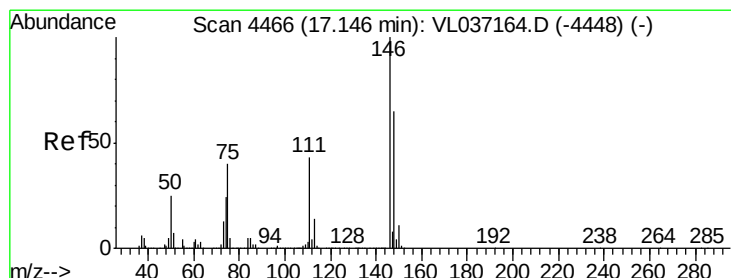
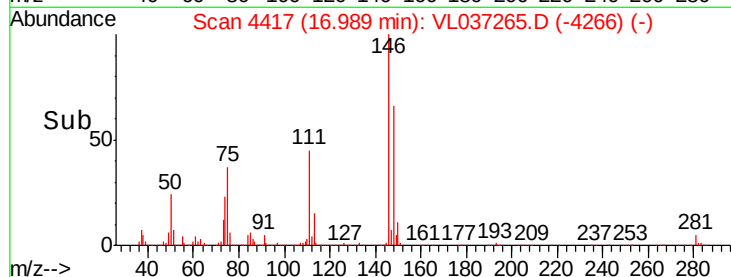
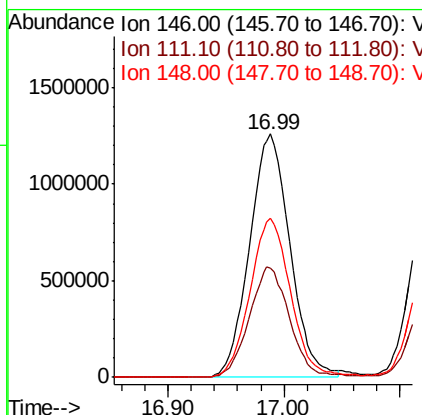
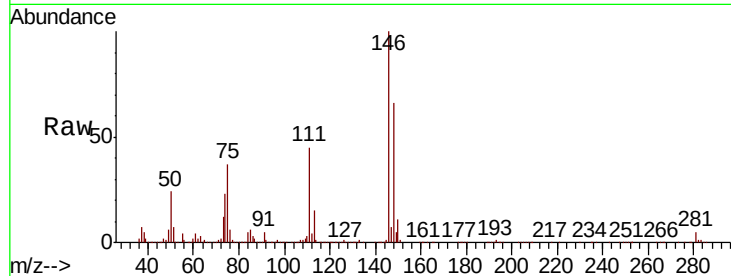
#75
 1,3-Dichlorobenzene
 Concen: 9.400 ppbv
 RT: 16.99 min Scan# 4417
 Delta R.T. -0.02 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 3051612
 Ion Ratio Lower Upper
 146 100
 111 45.5 22.2 66.6
 148 65.9 32.4 97.2

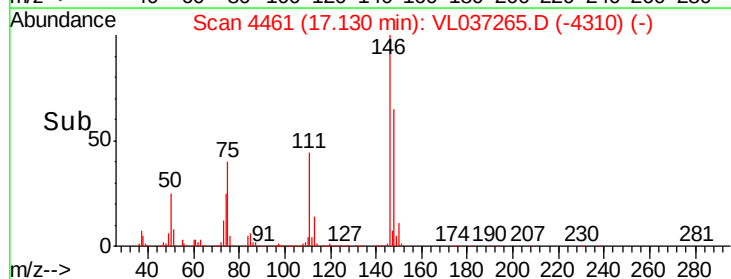
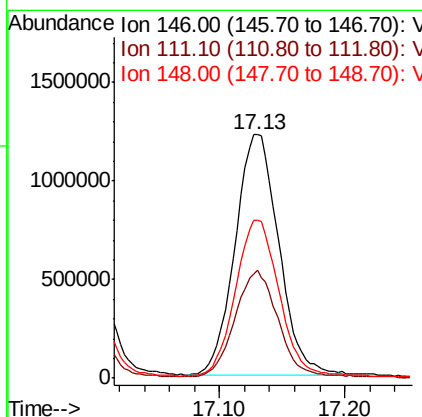
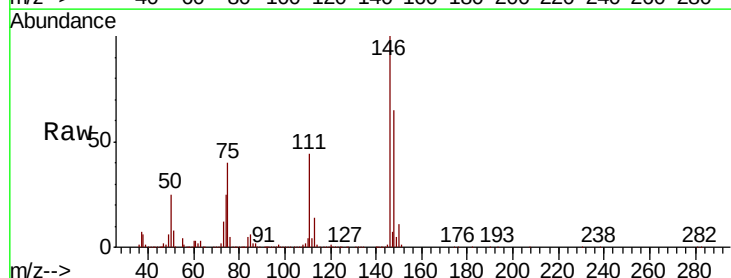
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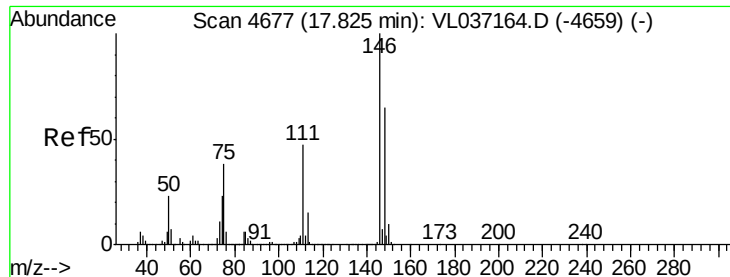
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#76
 1,4-Dichlorobenzene
 Concen: 9.099 ppbv
 RT: 17.13 min Scan# 4461
 Delta R.T. -0.02 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Tgt Ion:146 Resp: 2950413
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.7 68.0
 148 67.6 33.7 101.1





#77

1,2-Dichlorobenzene

Concen: 9.602 ppbv

RT: 17.81 min Scan# 4672

Delta R.T. -0.02 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 3015444

Ion Ratio Lower Upper

146 100

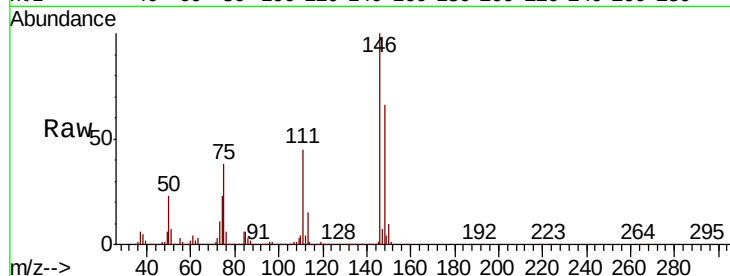
111 46.6 23.3 69.8

148 64.4 32.4 97.0

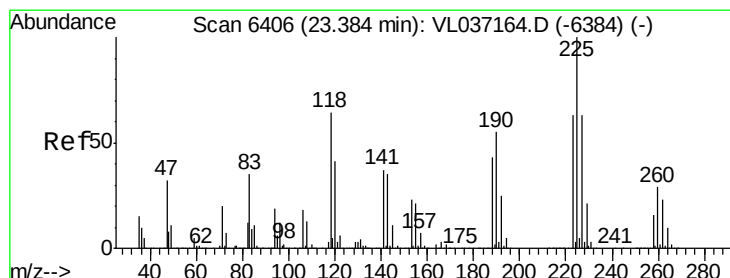
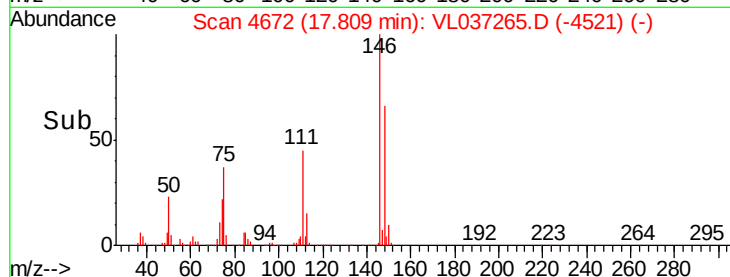
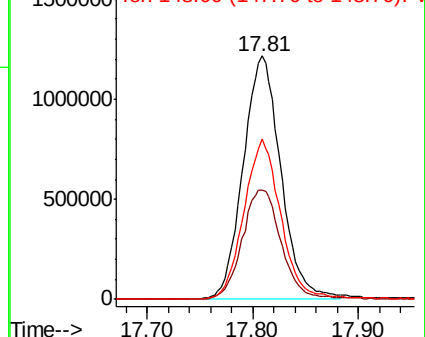
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.699 ppbv

RT: 23.36 min Scan# 6400

Delta R.T. -0.02 min

Lab File: VL037265.D

Acq: 30 Jun 2021 1:24

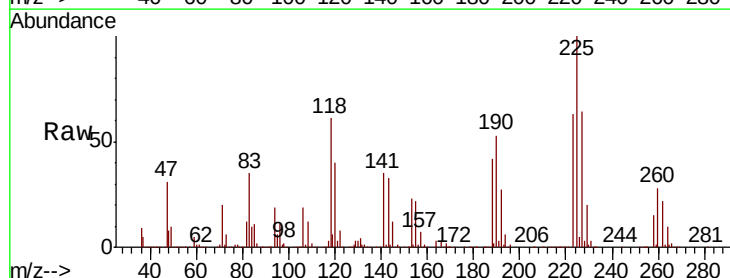
Tgt Ion:225 Resp: 2078766

Ion Ratio Lower Upper

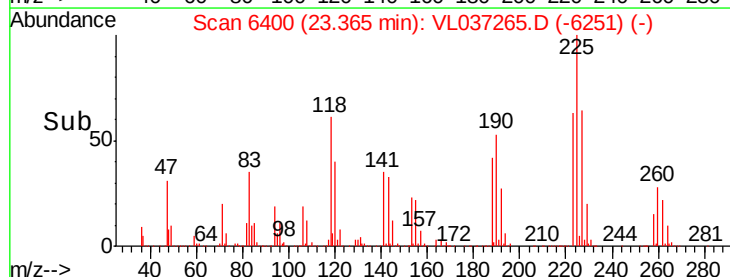
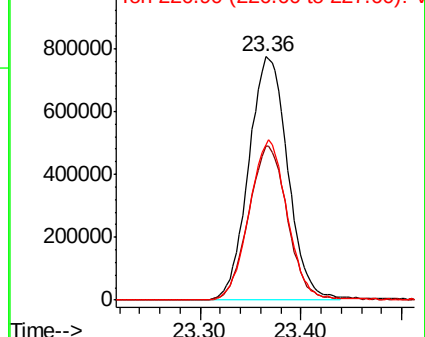
225 100

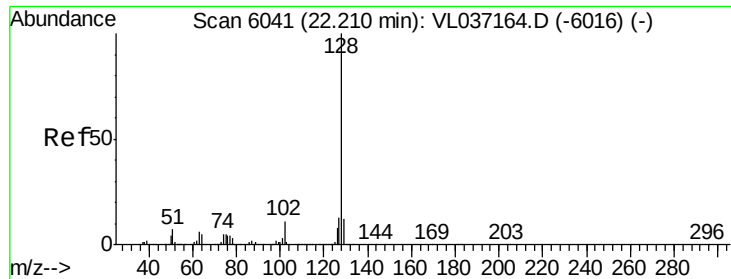
223 63.8 51.8 77.8

227 64.6 51.4 77.0



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





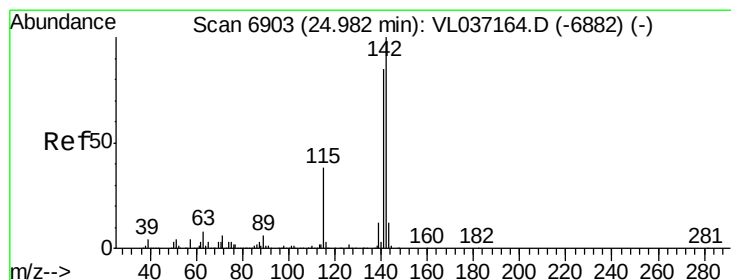
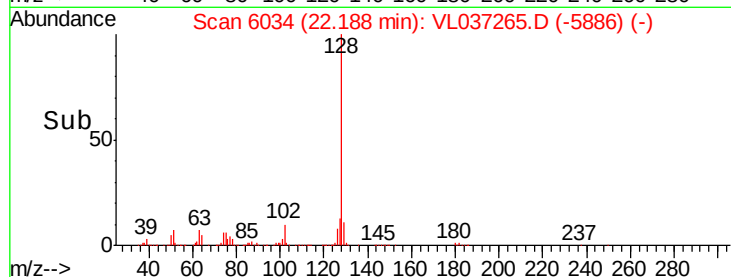
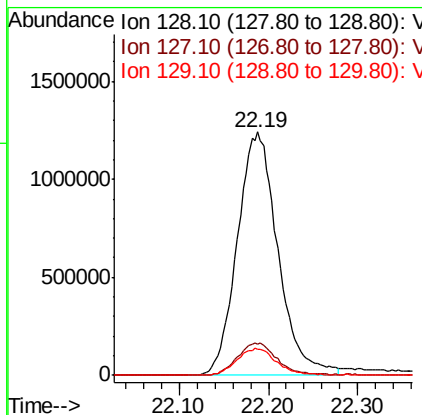
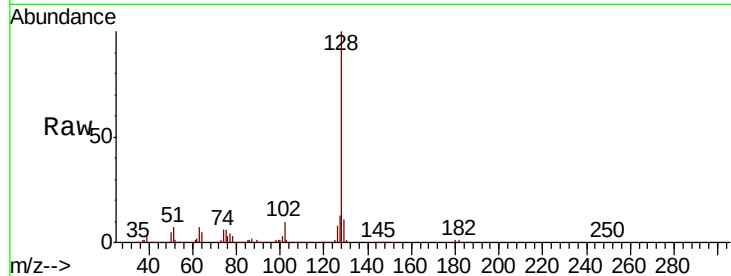
#79
Naphthalene
Concen: 8.814 ppbv
RT: 22.19 min Scan# 6034
Delta R.T. -0.02 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.7	16.1
129	10.6	9.3	13.9

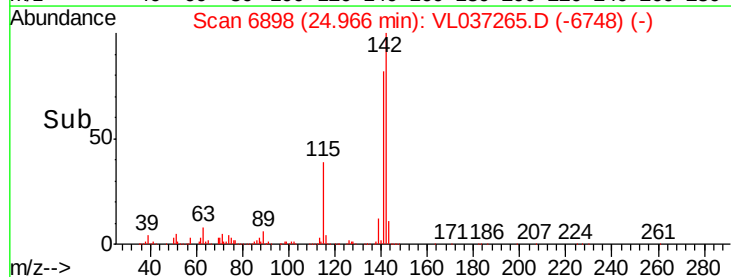
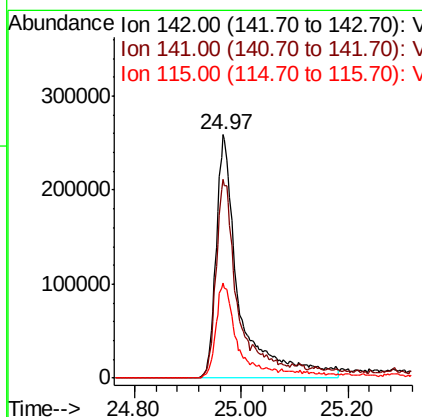
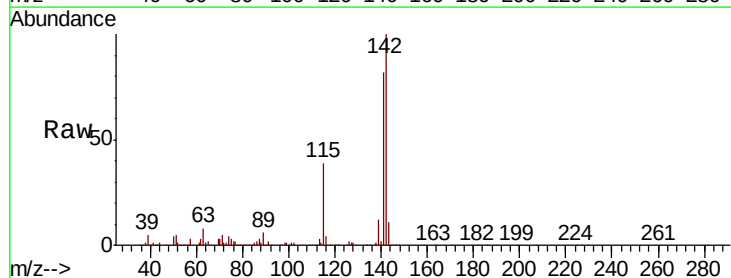
Manual Integrations
APPROVED

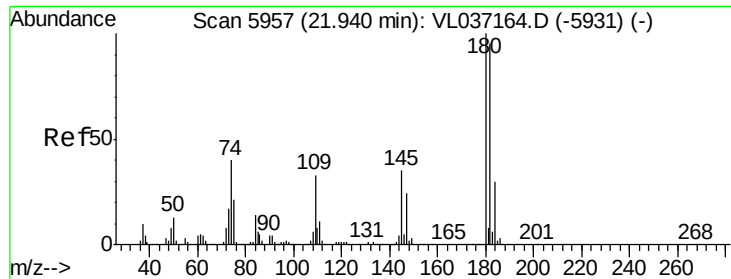
MMDadoda
7/5/2021 3:39:16 PM



#80
Naphthalene, 2-methyl-
Concen: 6.758 ppbv
RT: 24.97 min Scan# 6898
Delta R.T. -0.02 min
Lab File: VL037265.D
Acq: 30 Jun 2021 1:24

Tgt Ion	Ratio	Lower	Upper
142	100		
141	76.2	63.7	95.5
115	37.7	30.6	45.8





#81
 1,2,4-Trichlorobenzene
 Concen: 8.874 ppbv
 RT: 21.92 min Scan# 5950
 Delta R.T. -0.02 min
 Lab File: VL037265.D
 Acq: 30 Jun 2021 1:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.7	79.3	118.9
184	31.5	24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
 7/5/2021 3:39:16 PM

