

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062921\
 Data File : VL037264.D
 Acq On : 30 Jun 2021 00:45
 Operator : SY/AP
 Sample : VL0629ABS02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0629ABS02

Manual Integrations
 APPROVED

MMDadoda
 7/5/2021 3:39:13 PM

Quant Time: Jun 30 09:02:13 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	1592815	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	4675455	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	4152214m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3500569	11.13	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2526991	9.122	ppbv	96
3) Chlorodifluoromethane	2.98	51	2742258	8.854	ppbv	100
4) Chloromethane	3.13	50	963480	9.334	ppbv	99
5) Vinyl Chloride	3.25	62	1069981	9.432	ppbv	97
6) Bromomethane	3.47	94	568907	8.406	ppbv	96
7) Chloroethane	3.55	64	384116	9.472	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	2623104	9.231	ppbv	96
9) Propene	3.01	41	898585	9.074	ppbv	100
10) Heptane	8.11	43	2288978	9.544	ppbv	99
11) Trichlorofluoromethane	3.94	101	2755858	9.324	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2038231	9.782	ppbv	100
13) Ethanol	3.61	45	88018	5.746	ppbv	58
14) Bromoethene	3.74	108	833448	9.584	ppbv	99
15) Acetone	3.85	43	1390156	7.740	ppbv	98
16) 1,3-Butadiene	3.32	39	1023586	9.640	ppbv	100
17) tert-Butyl alcohol	4.29	59	1517426	9.141	ppbv	99
18) 1,1-Dichloroethene	4.28	96	876157	9.489	ppbv	97
19) Isopropyl Alcohol	3.97	45	799559	7.349	ppbv	# 97
20) Methylene Chloride	4.34	84	772181	7.181	ppbv	98
21) Allyl Chloride	4.41	41	1263183	9.330	ppbv	94
22) trans-1,2-Dichloroethene	4.88	96	914517	10.010	ppbv	97
23) Vinyl Acetate	5.07	43	2313755m	8.984	ppbv	
24) 1,1-Dichloroethane	5.01	63	1851889	8.931	ppbv	100
25) Ethyl Acetate	5.67	43	3574633	9.193	ppbv	100
26) Hexane	5.68	57	1704086	8.671	ppbv	99
27) Carbon Disulfide	4.54	76	2036490	10.576	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2064597	8.738	ppbv	99
29) Chloroform	5.75	83	2708731	8.922	ppbv	99
30) Cyclohexane	7.12	84	1502159	9.173	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1717296	9.509	ppbv	100
32) 1,1,1-Trichloroethane	6.50	97	2850515	8.774	ppbv	99
34) 2-Butanone	5.24	43	1594043	8.766	ppbv	97
35) Carbon Tetrachloride	7.01	117	2992536	9.543	ppbv	99
36) Benzene	6.88	78	3571011	9.445	ppbv	99
37) 1,2-Dichloroethane	6.30	62	2056445	9.363	ppbv	100
38) Trichloroethene	7.83	130	1476584	8.216	ppbv	99
39) 1,2-Dichloropropane	7.61	63	1369437	9.748	ppbv	98
40) 1,4-Dioxane	7.83	88	312023	8.099	ppbv	# 49
41) Tetrahydrofuran	6.05	42	851857	10.086	ppbv	99
42) Bromodichloromethane	7.79	83	2919868	9.637	ppbv	98
43) Methyl Methacrylate	8.01	69	1305541	9.999	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062921\
 Data File : VL037264.D
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 Sample : VL0629ABS02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS02

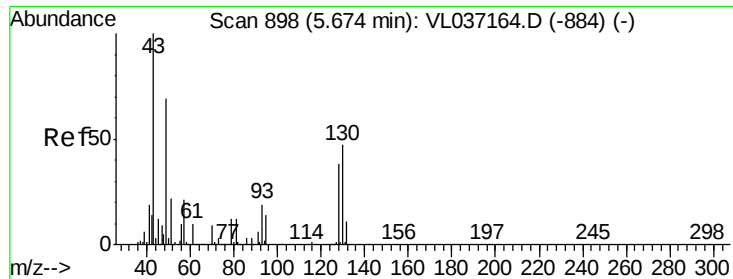
Manual Integrations
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Quant Time: Jun 30 09:02:13 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 1
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5916505	9.293	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	992016	8.612	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1246709	7.911	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1514276	9.448	ppbv	98
48) Dibromochloromethane	10.30	129	2601718	10.283	ppbv	99
49) Bromoform	13.03	173	2128141	11.290	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	2576125	10.315	ppbv	100
51) 2-Hexanone	10.13	43	1334176	10.979	ppbv #	99
52) Tetrachloroethene	11.21	164	1462025	8.322	ppbv	99
53) Toluene	9.80	91	4276145	9.469	ppbv	99
54) 1,2-Dibromoethane	10.60	107	2224447	9.657	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.12	131	1810972	9.976	ppbv #	57
57) Chlorobenzene	12.14	112	3194639	9.487	ppbv	95
58) Ethyl Benzene	12.70	91	5692329	9.958	ppbv	98
59) m/p-Xylene	12.99	91	9555650m	19.727	ppbv	
60) o-Xylene	13.68	91	4546104	9.856	ppbv	99
61) Styrene	13.52	104	2571507	10.802	ppbv	98
62) Isopropylbenzene	14.66	105	6369932	9.712	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	3051490	9.936	ppbv	100
64) n-propylbenzene	15.55	120	1689666	10.287	ppbv	96
65) tert-Butylbenzene	16.74	119	5720631	9.834	ppbv	99
66) Benzyl Chloride	16.98	91	275243m	11.166	ppbv	
67) sec-Butylbenzene	17.28	105	7648126	9.860	ppbv	100
69) p-Isopropyltoluene	17.65	119	6614833	10.096	ppbv	99
70) n-Butylbenzene	18.54	91	6328781	10.437	ppbv	99
71) 2-Chlorotoluene	15.45	91	4667562	10.179	ppbv	98
72) 4-Ethyltoluene	15.83	105	5491392	10.480	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4991937	9.856	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	5142760	9.854	ppbv	96
75) 1,3-Dichlorobenzene	16.99	146	3138886	9.892	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	3106548	9.802	ppbv	98
77) 1,2-Dichlorobenzene	17.81	146	3014955	9.822	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	1937751	7.342	ppbv	99
79) Naphthalene	22.19	128	3797713	8.728	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	588037	5.153	ppbv	94
81) 1,2,4-Trichlorobenzene	21.92	180	2247674	8.952	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

Lab File: VL037264.D

Acq: 30 Jun 2021 00:45

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS02

Tot Ion: 49 Resp: 1592815

Ion Ratio Lower Upper

49 100

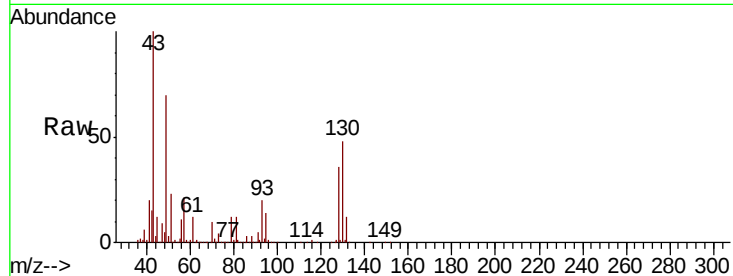
128 57.1 29.3 88.0

130 69.6 35.9 107.8

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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

5.66

800000

600000

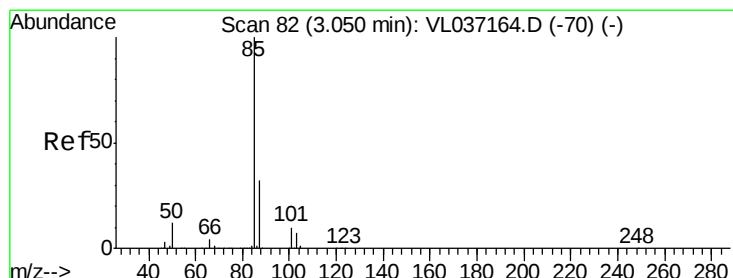
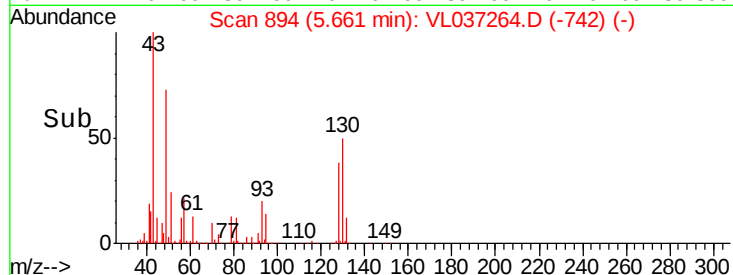
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 9.122 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.01 min

Lab File: VL037264.D

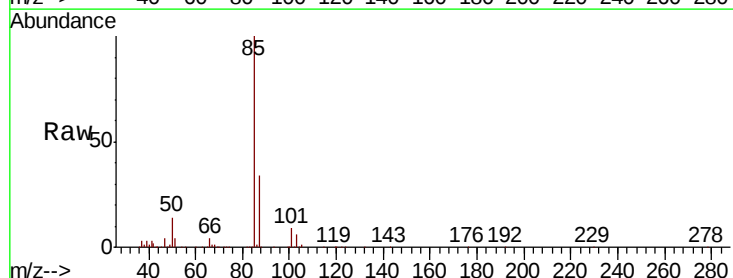
Acq: 30 Jun 2021 00:45

Tgt Ion: 85 Resp: 2526991

Ion Ratio Lower Upper

85 100

87 34.3 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.04

1500000

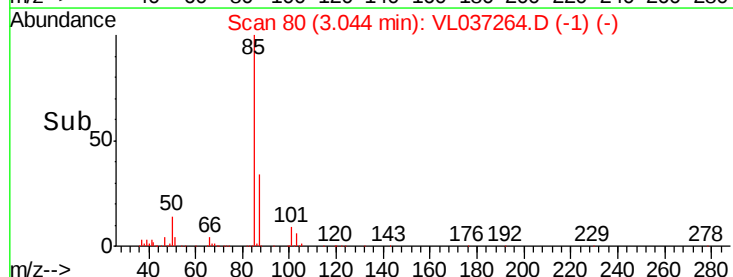
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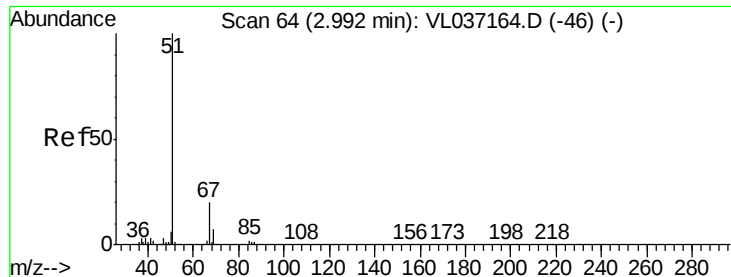
500000

0

3.00 3.05 3.10 3.15

Time-->





#3

Chlorodifluoromethane

Concen: 8.854 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.01 min

Lab File: VL037264.D

Acq: 30 Jun 2021 00:45

Tot Ion: 51 Resp: 2742258

Ion Ratio Lower Upper

51 100

67 19.7 15.8 23.6

Instrument :

MSVOA_L

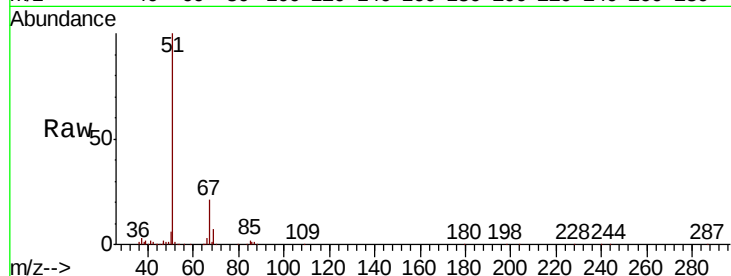
ClientSampleId :

VL0629ABS02

Manual Integrations
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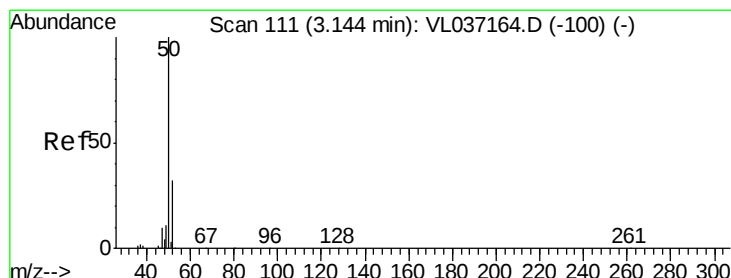
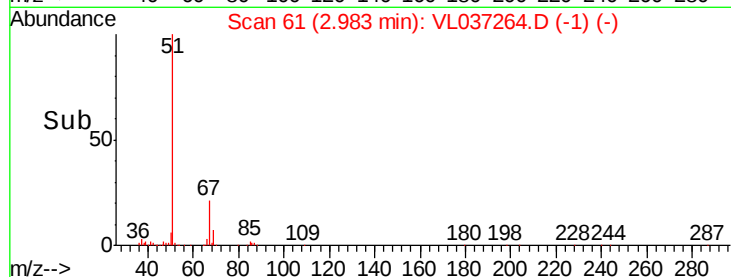
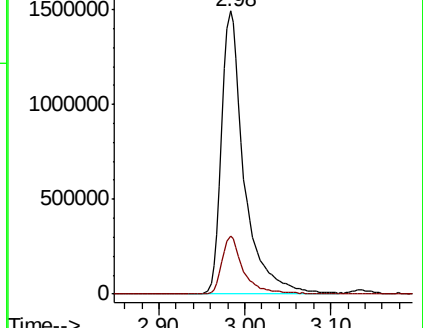
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.334 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL037264.D

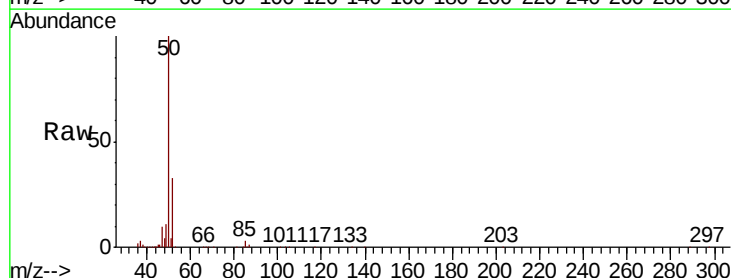
Acq: 30 Jun 2021 00:45

Tgt Ion: 50 Resp: 963480

Ion Ratio Lower Upper

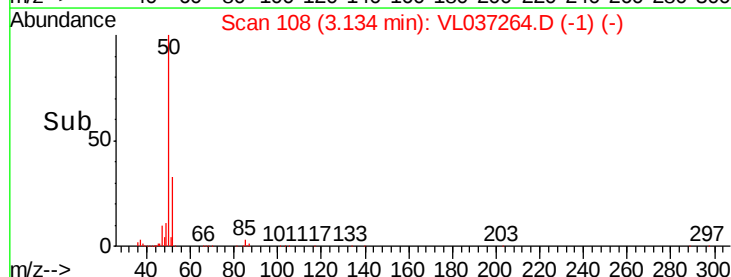
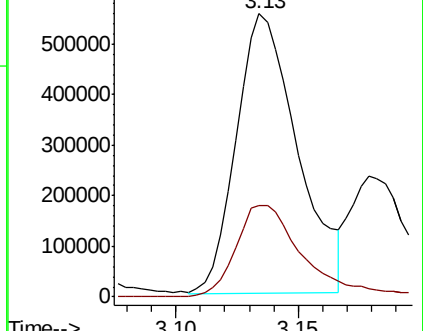
50 100

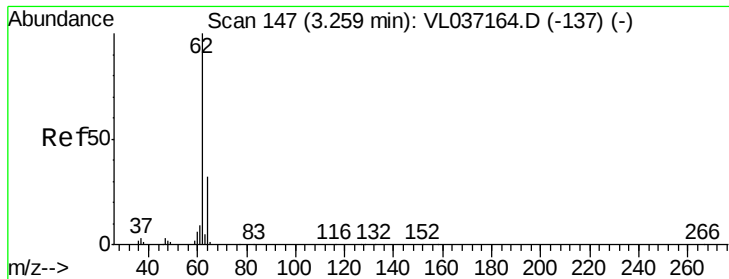
52 32.7 25.8 38.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.432 ppbv

RT: 3.25 min Scan# 145

Delta R.T. -0.01 min

Lab File: VL037264.D

Acq: 30 Jun 2021 00:45

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS02

Tot Ion: 62 Resp: 1069981

Ion Ratio Lower Upper

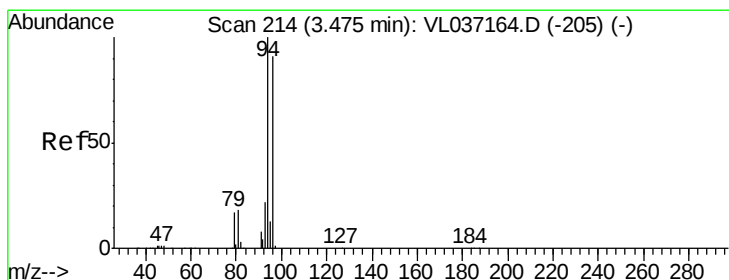
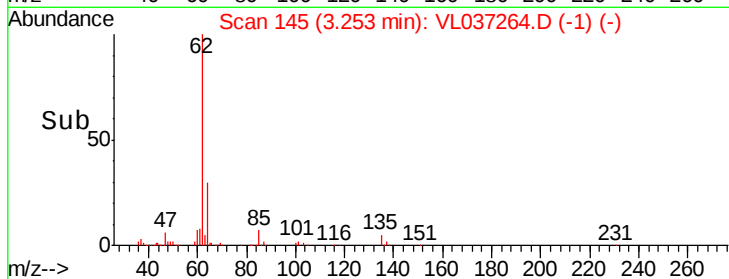
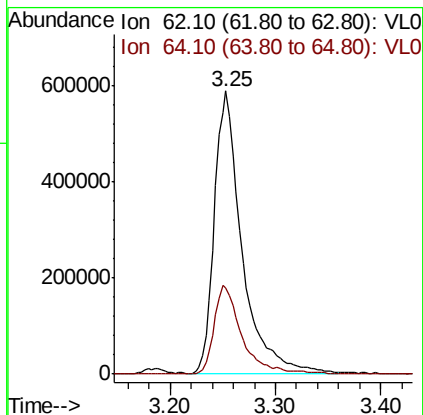
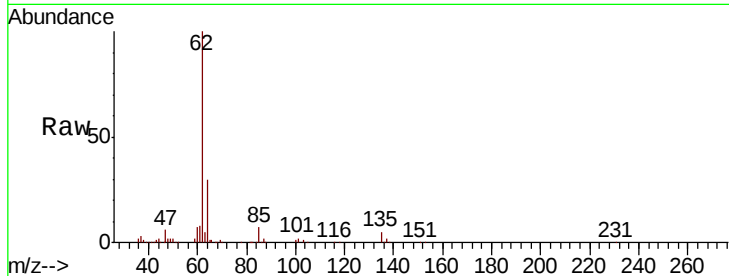
62 100

64 30.3 25.6 38.4

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#6

Bromomethane

Concen: 8.406 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL037264.D

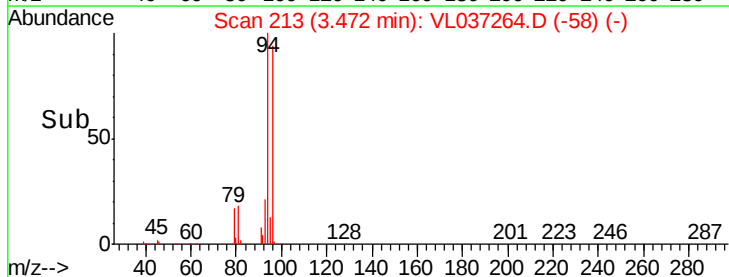
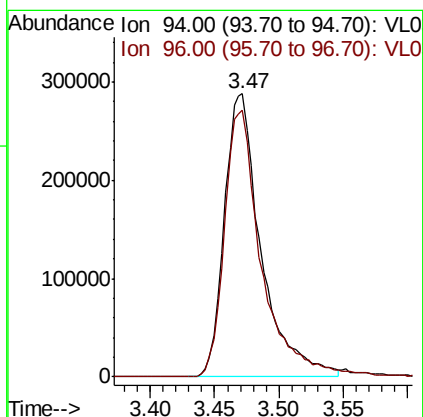
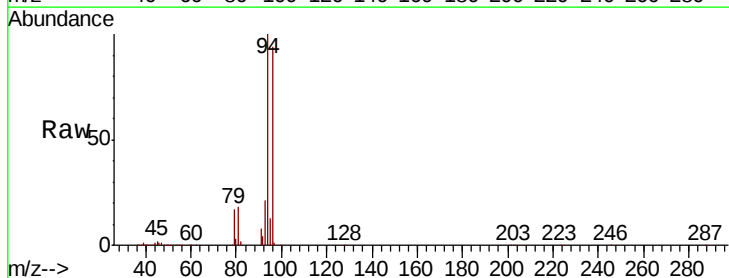
Acq: 30 Jun 2021 00:45

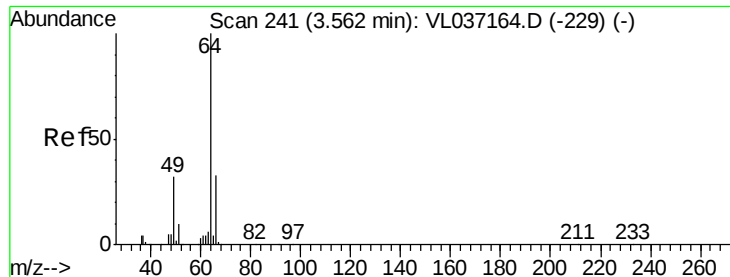
Tgt Ion: 94 Resp: 568907

Ion Ratio Lower Upper

94 100

96 94.1 72.6 108.8





#7

Chloroethane

Concen: 9.472 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.01 min

Lab File: VL037264.D

Acq: 30 Jun 2021 00:45

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS02

Tot Ion: 64 Resp: 384116

Ion Ratio Lower Upper

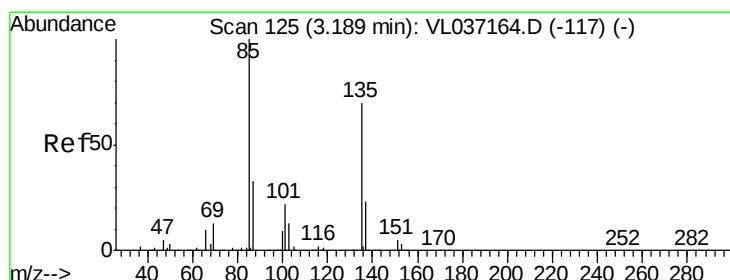
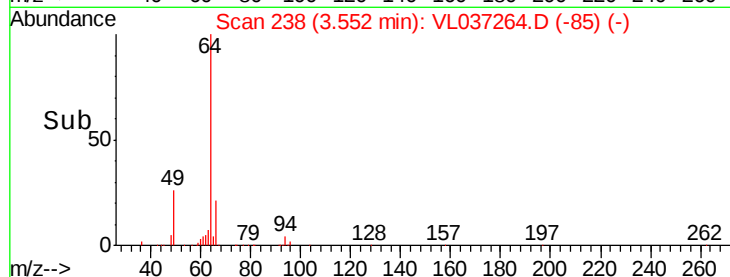
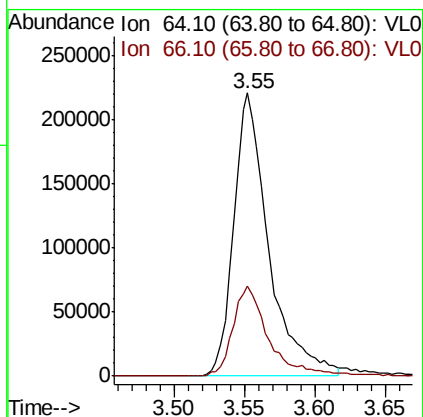
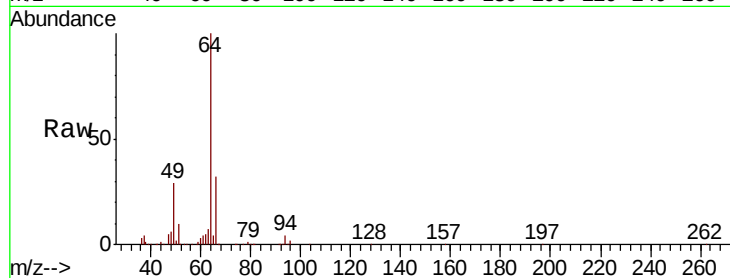
64 100

66 31.6 26.2 39.4

Manual Integrations
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#8

Dichlorotetrafluoroethane

Concen: 9.231 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.01 min

Lab File: VL037264.D

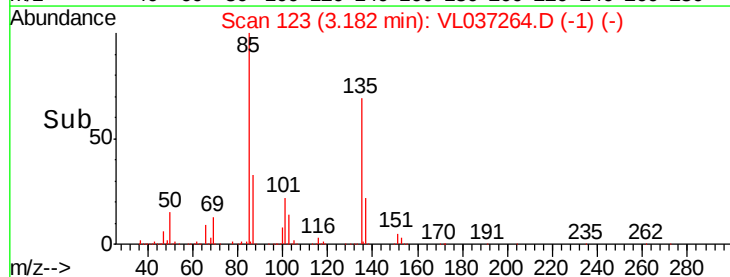
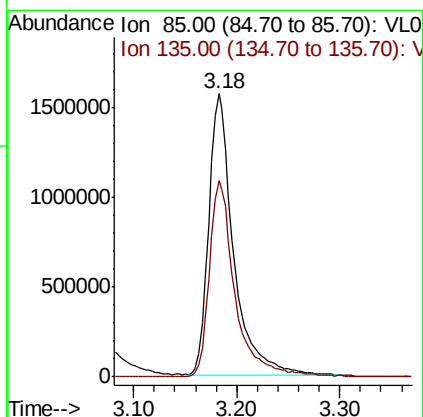
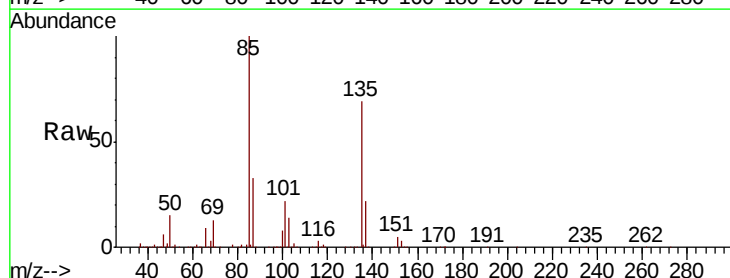
Acq: 30 Jun 2021 00:45

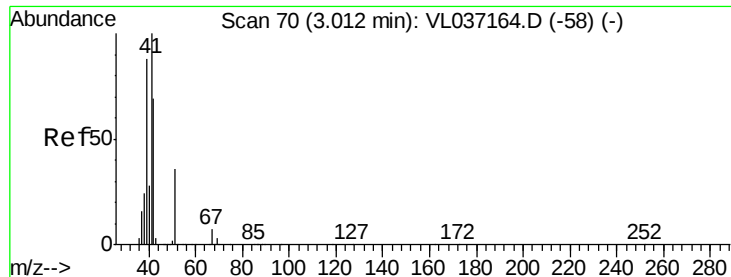
Tgt Ion: 85 Resp: 2623104

Ion Ratio Lower Upper

85 100

135 72.4 60.4 90.6





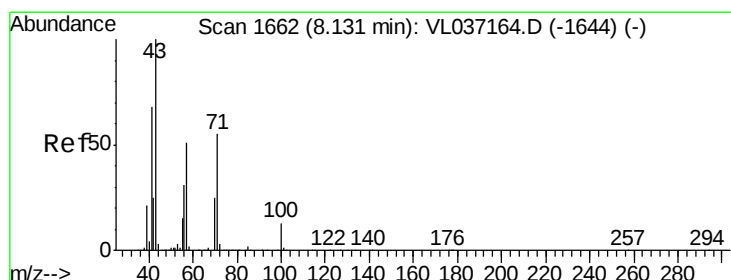
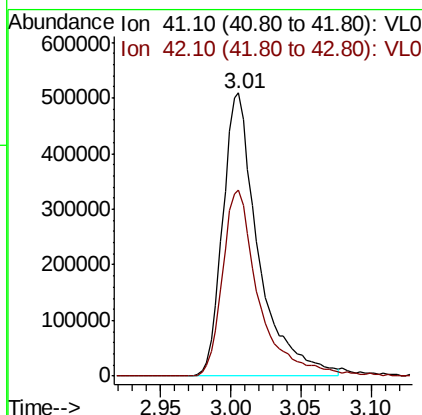
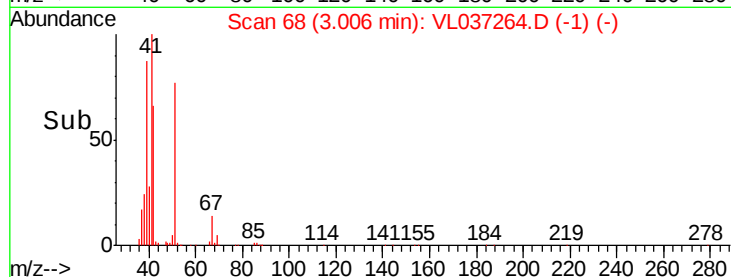
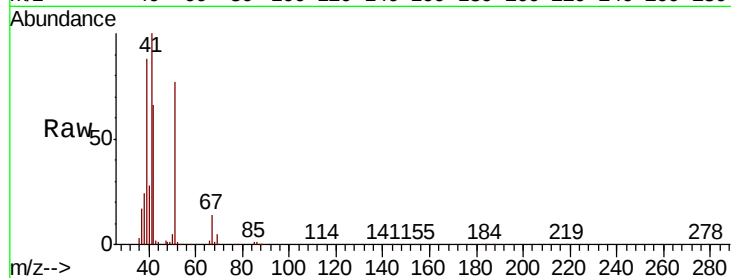
#9
 Propene
 Concen: 9.074 ppbv
 RT: 3.01 min Scan# 68
 Delta R.T. -0.01 min
 Lab File: VL037264.D
 Acq: 30 Jun 2021 00:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS02

Tot Ion	Ratio	Lower	Upper
41	100		
42	67.7	54.5	81.7

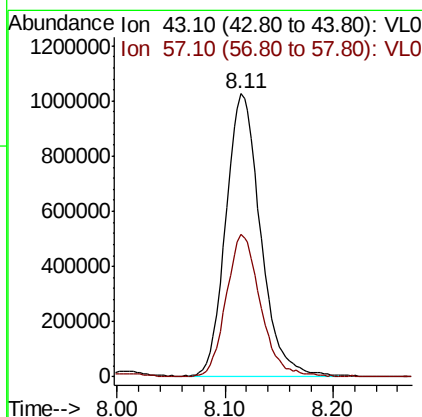
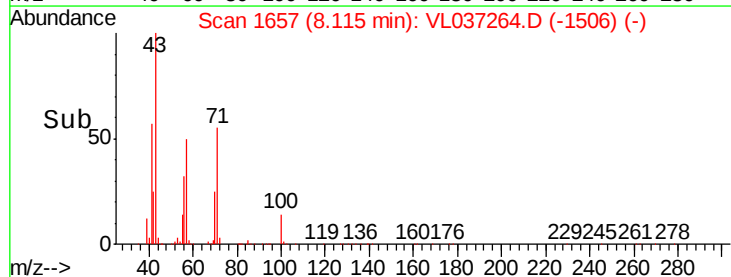
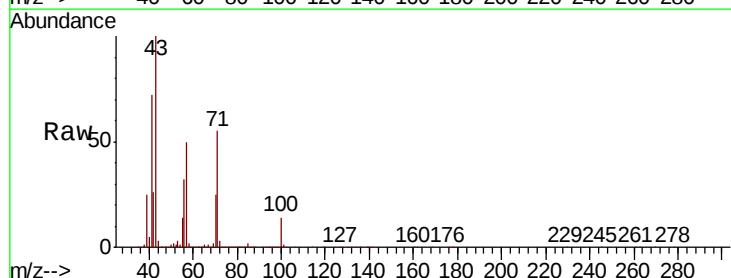
Manual Integrations
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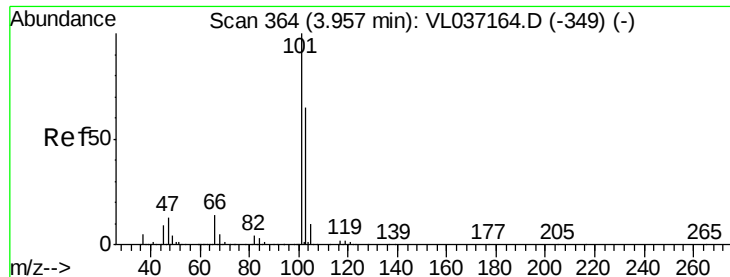
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#10
 Heptane
 Concen: 9.544 ppbv
 RT: 8.11 min Scan# 1657
 Delta R.T. -0.02 min
 Lab File: VL037264.D
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Tgt Ion	Ratio	Lower	Upper
43	100		
57	50.1	40.6	61.0





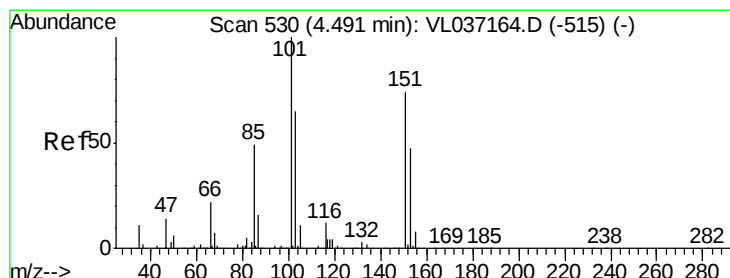
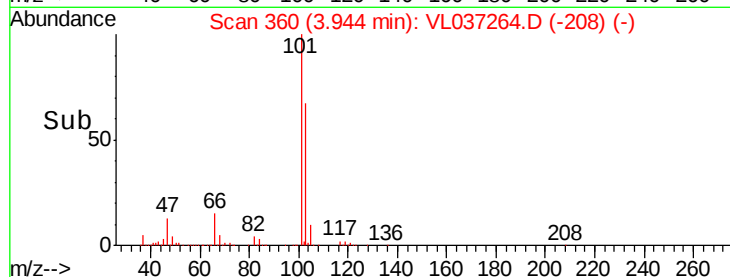
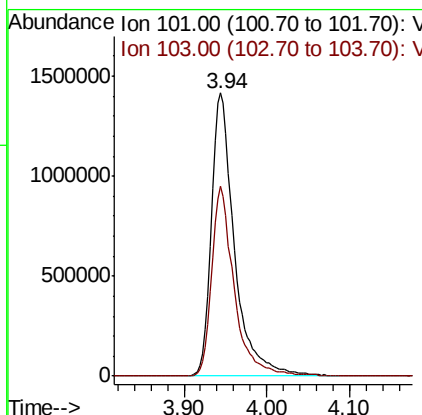
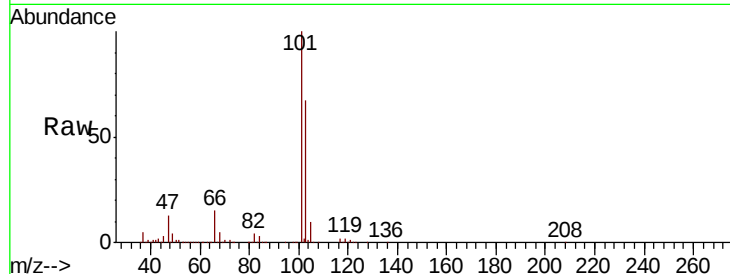
#11
 Trichlorofluoromethane
 Concen: 9.324 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.01 min
 Lab File: VL037264.D
 Acq: 30 Jun 2021 00:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS02

Tot Ion:101 Resp: 2755858
 Ion Ratio Lower Upper
 101 100
 103 66.9 52.2 78.4

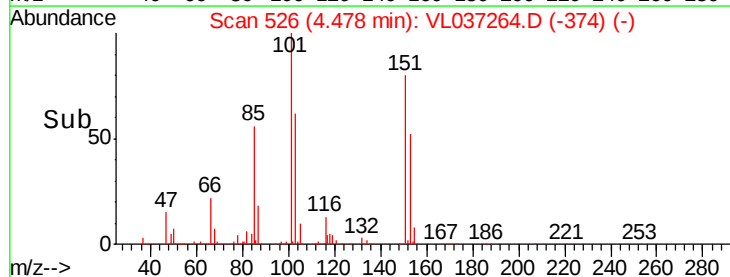
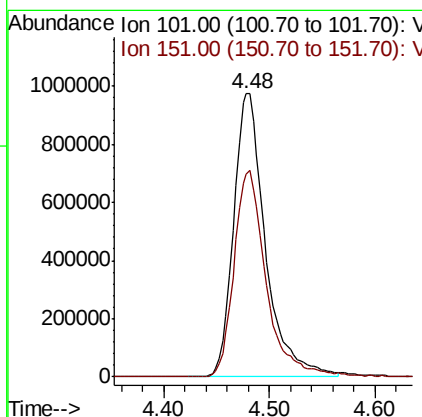
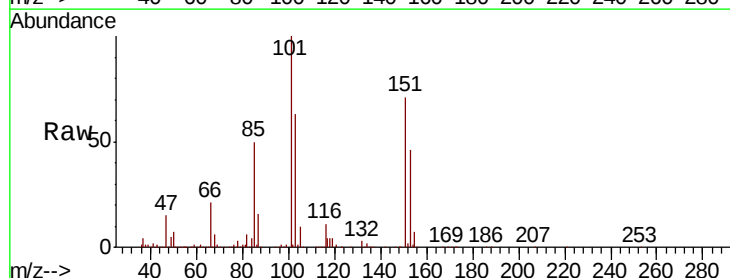
Manual Integrations
 APPROVED

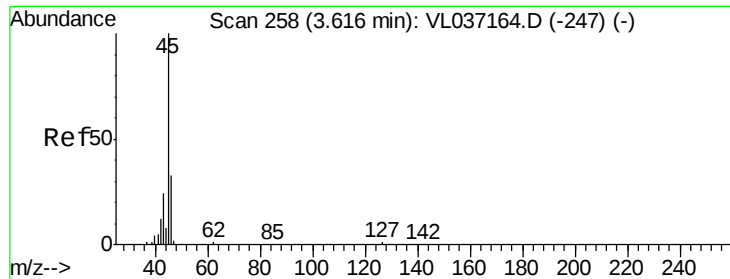
MMDadoda
 7/5/2021 3:39:13 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.782 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VL037264.D
 Acq: 30 Jun 2021 00:45

Tgt Ion:101 Resp: 2038231
 Ion Ratio Lower Upper
 101 100
 151 74.0 59.1 88.7





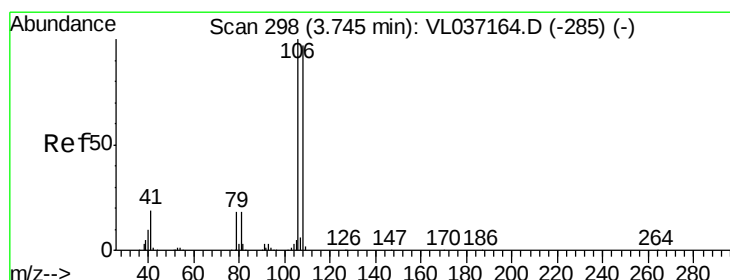
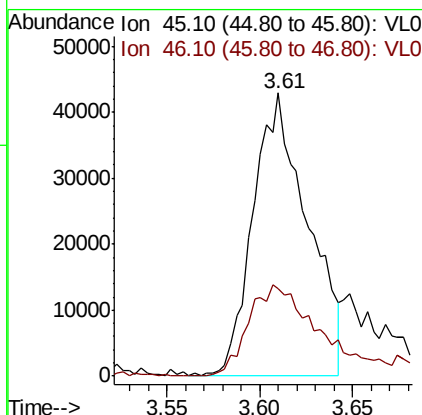
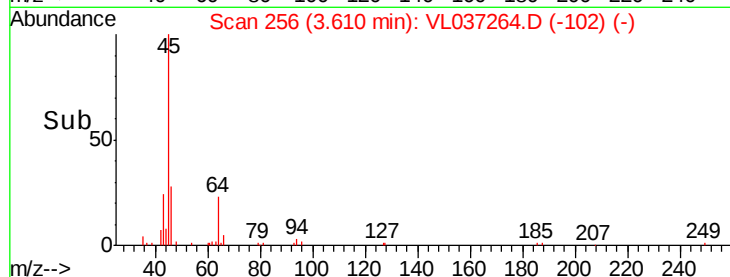
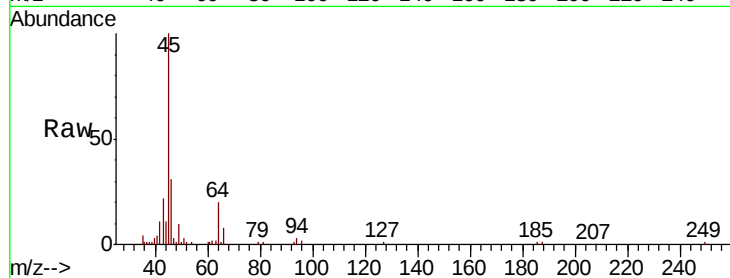
#13
Ethanol
Concen: 5.746 ppbv
RT: 3.61 min Scan# 256
Delta R.T. -0.01 min
Lab File: VL037264.D
Acq: 30 Jun 2021 00:45

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS02

Tot Ion	45	Resp	88018
Ion Ratio	100	Lower	Upper
46	47.5	34.2	137.0

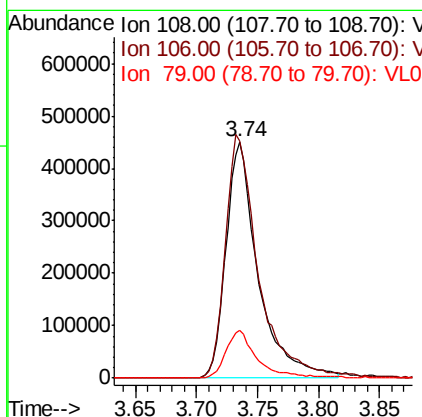
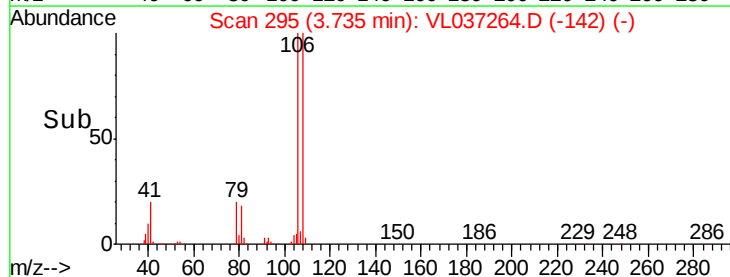
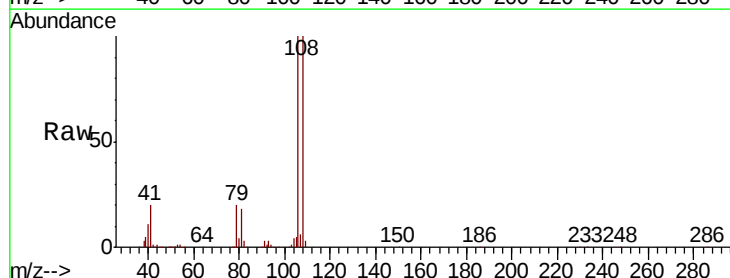
Manual Integrations
APPROVED

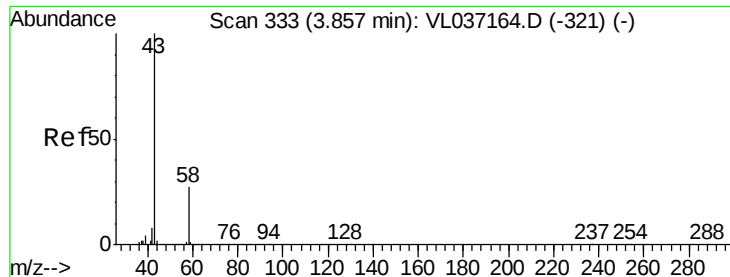
MMDadoda
7/5/2021 3:39:13 PM



#14
Bromoethene
Concen: 9.584 ppbv
RT: 3.74 min Scan# 295
Delta R.T. -0.01 min
Lab File: VL037264.D
Acq: 30 Jun 2021 00:45

Tgt Ion	108	Resp	833448
Ion Ratio	100	Lower	Upper
106	107.3	86.8	130.2
79	20.2	15.6	23.4





#15

Acetone

Concen: 7.740 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.01 min

Lab File: VL037264.D

Acq: 30 Jun 2021 00:45

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS02

Tot Ion: 43 Resp: 1390156

Ion Ratio Lower Upper

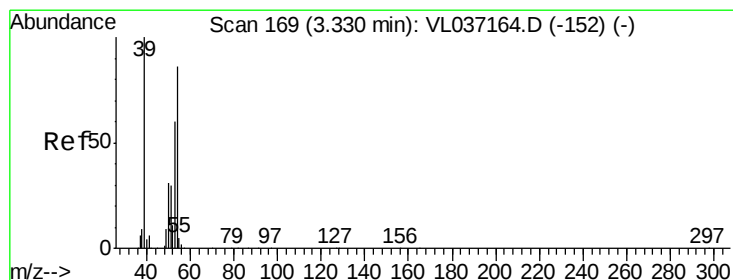
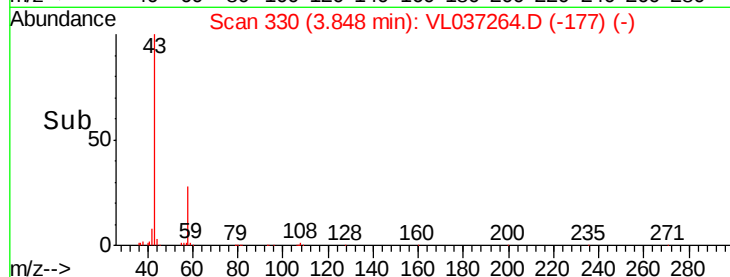
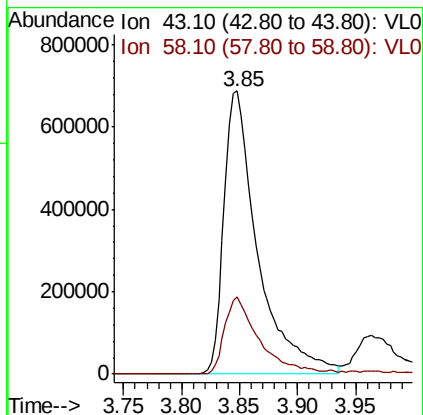
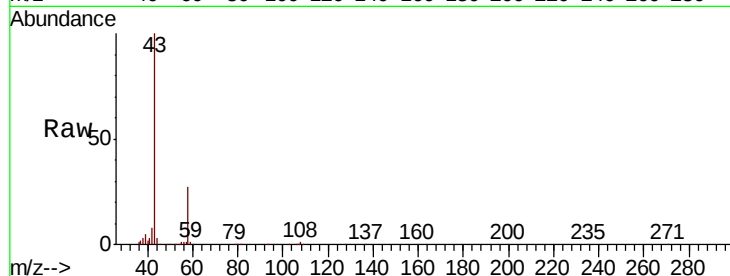
43 100

58 28.5 23.7 35.5

Manual Integrations
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#16

1,3-Butadiene

Concen: 9.640 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.01 min

Lab File: VL037264.D

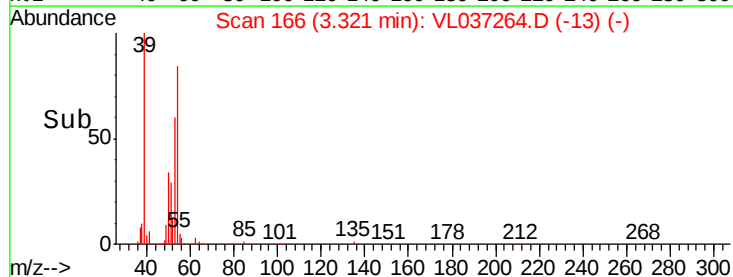
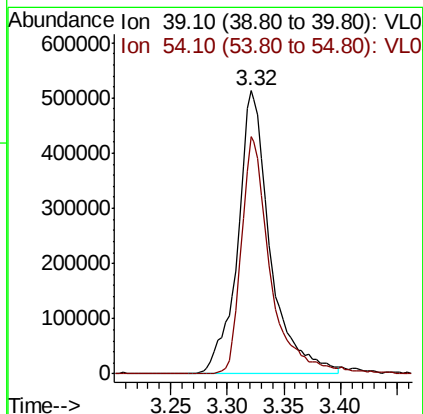
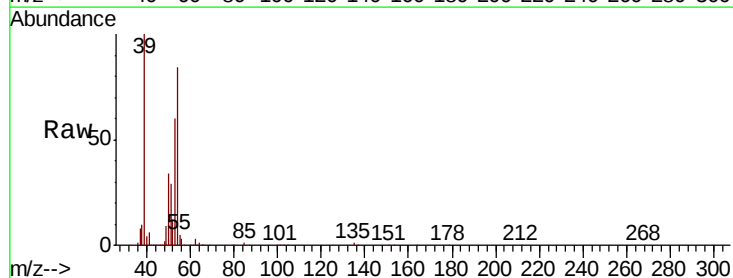
Acq: 30 Jun 2021 00:45

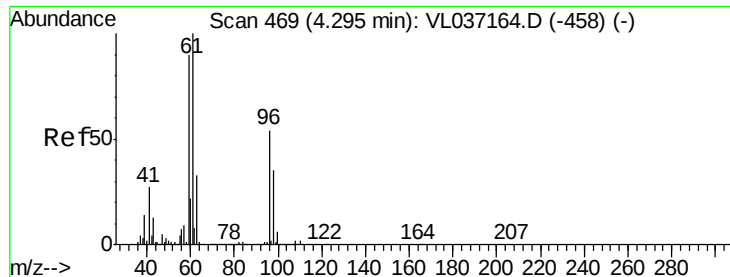
Tgt Ion: 39 Resp: 1023586

Ion Ratio Lower Upper

39 100

54 76.1 61.2 91.8





#17

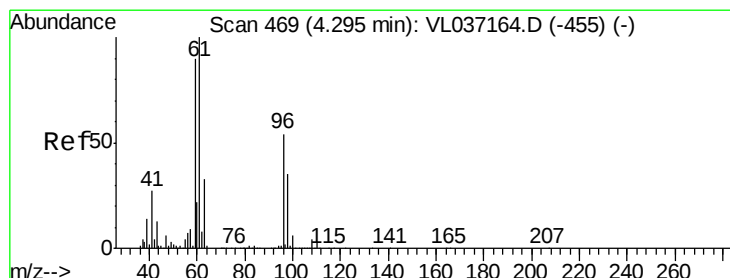
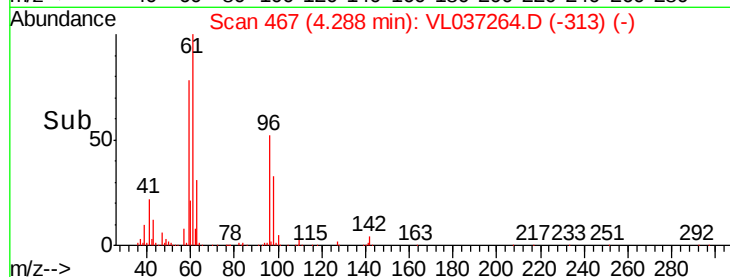
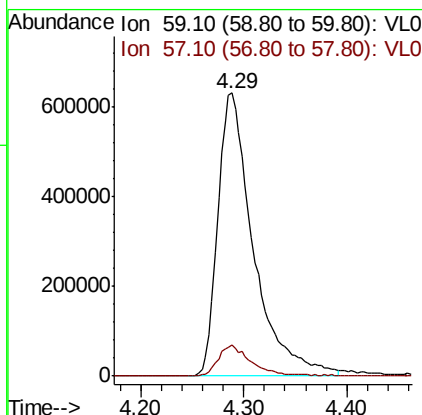
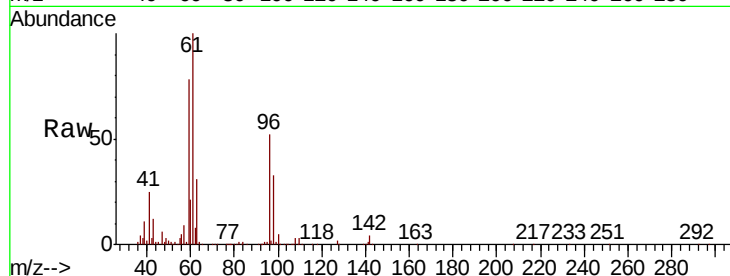
tert-Butyl alcohol
Concen: 9.141 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL037264.D
Acq: 30 Jun 2021 00:45

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS02

Tot Ion: 59 Resp: 1517426
Ion Ratio Lower Upper
59 100
57 10.6 8.8 13.2

Manual Integrations
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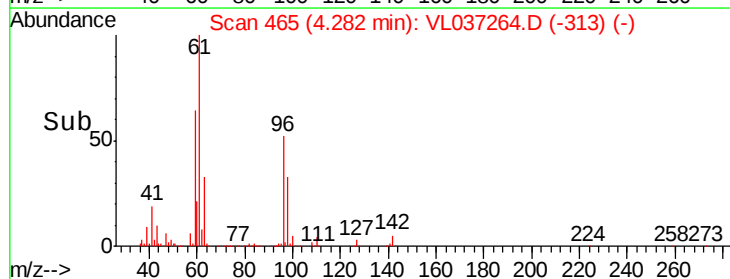
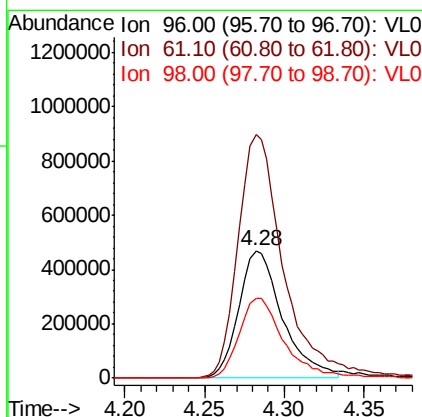
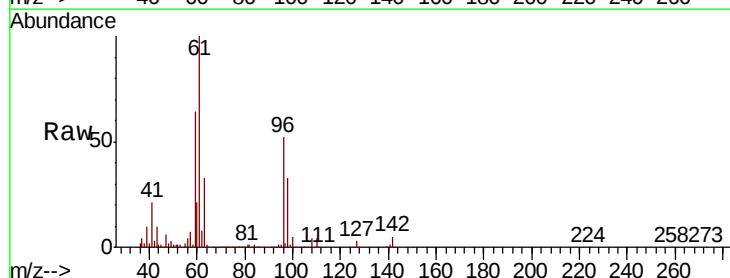
MMDadoda
7/5/2021 3:39:13 PM

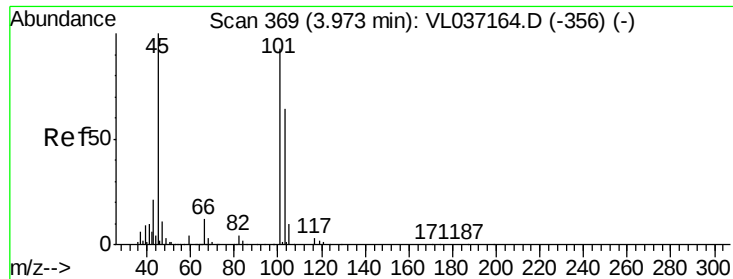


#18

1,1-Dichloroethene
Concen: 9.489 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.01 min
Lab File: VL037264.D
Acq: 30 Jun 2021 00:45

Tgt Ion: 96 Resp: 876157
Ion Ratio Lower Upper
96 100
61 190.6 148.6 222.8
98 62.6 51.9 77.9





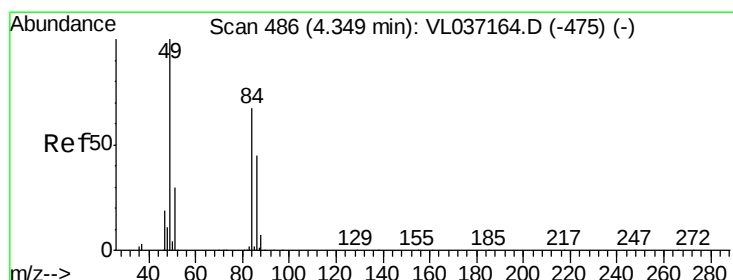
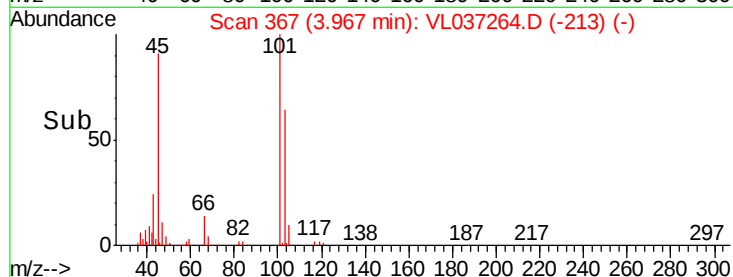
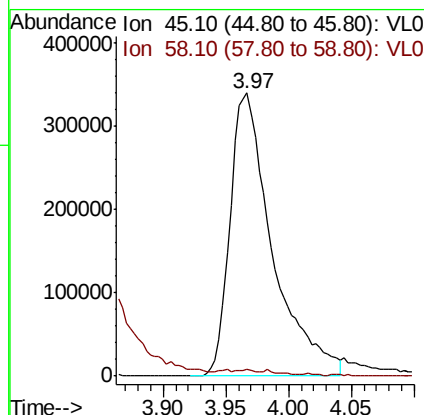
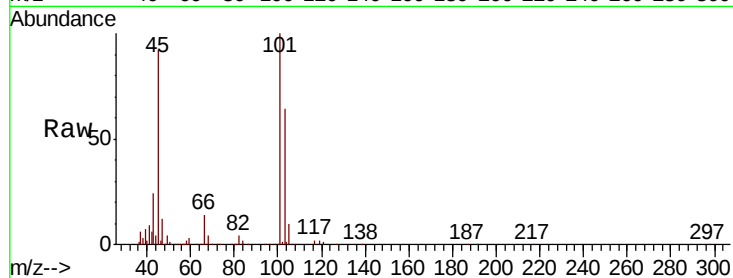
#19
Isopropyl Alcohol
Concen: 7.349 ppbv
RT: 3.97 min Scan# 367
Delta R.T. -0.01 min
Lab File: VL037264.D
Acq: 30 Jun 2021 00:45

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS02

Tot Ion: 45 Resp: 799559
Ion Ratio Lower Upper
45 100
58 2.0 2.4 3.6#

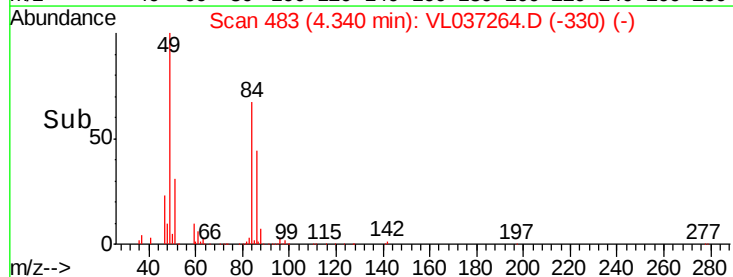
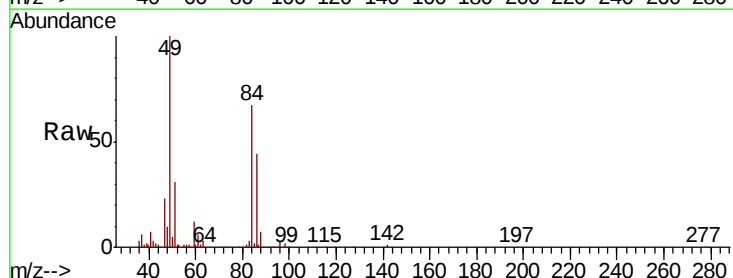
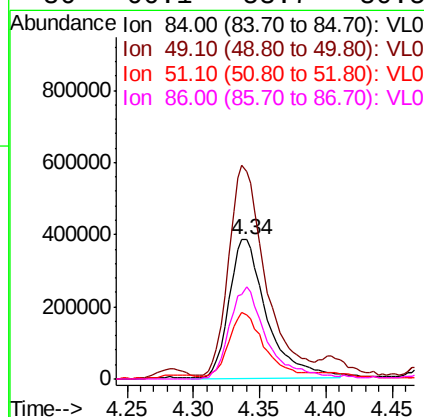
Manual Integrations
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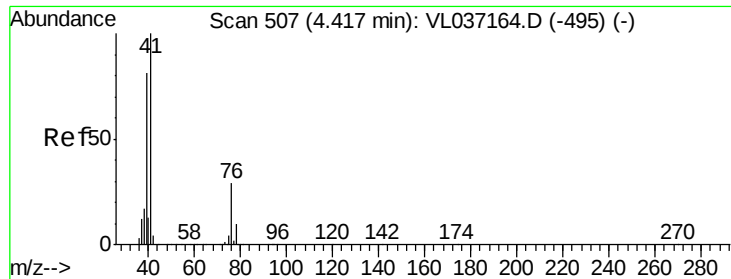
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#20
Methylene Chloride
Concen: 7.181 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.01 min
Lab File: VL037264.D
Acq: 30 Jun 2021 00:45

Tgt Ion: 84 Resp: 772181
Ion Ratio Lower Upper
84 100
49 146.7 119.7 179.5
51 44.1 36.1 54.1
86 66.1 53.7 80.5





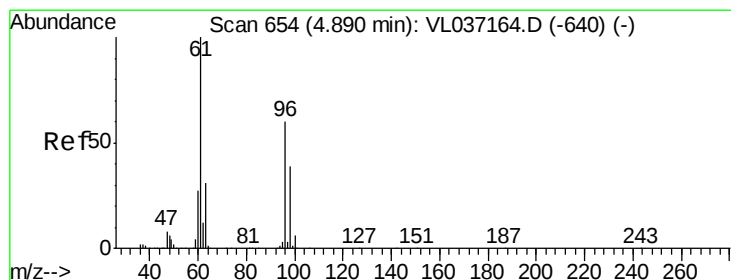
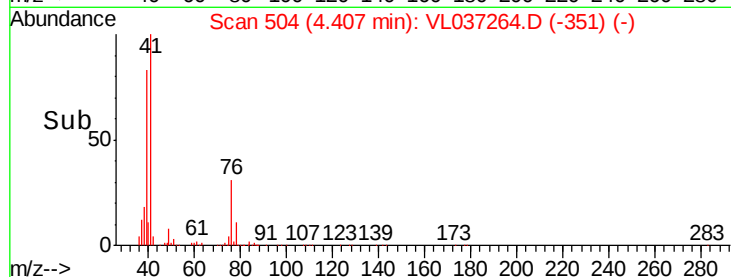
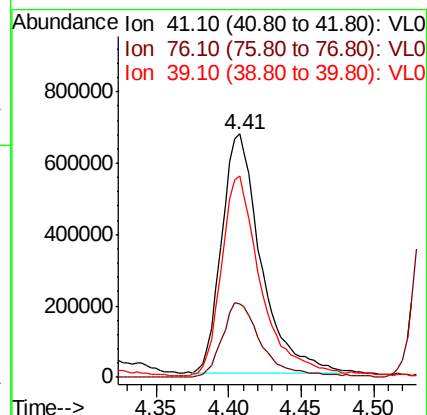
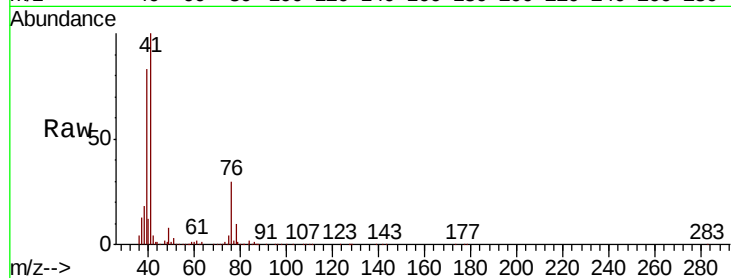
#21
Allvl Chloride
Concen: 9.330 ppbv
RT: 4.41 min Scan# 504
Delta R.T. -0.01 min
Lab File: VL037264.D
Acq: 30 Jun 2021 00:45

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS02

Tot Ion	Ratio	Lower	Upper
41	100		
76	31.7	24.6	37.0
39	87.9	65.4	98.0

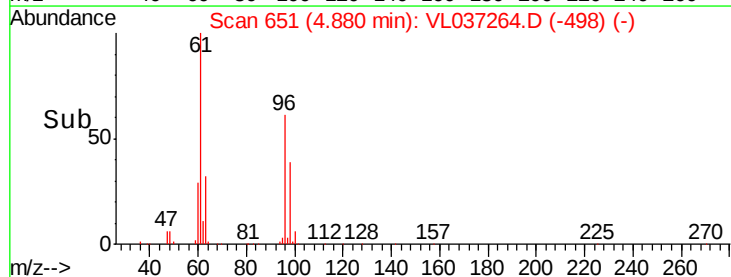
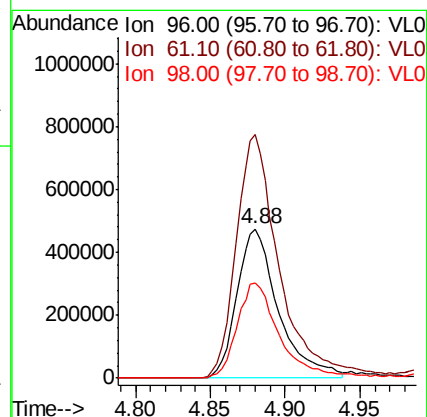
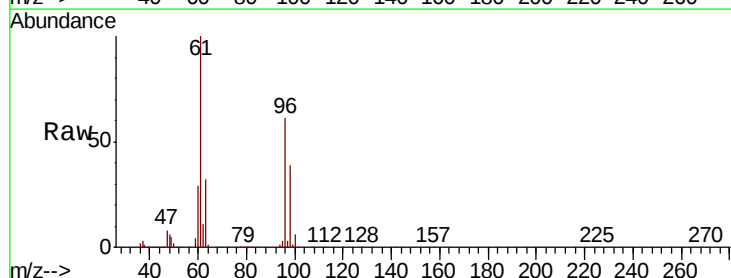
Manual Integrations
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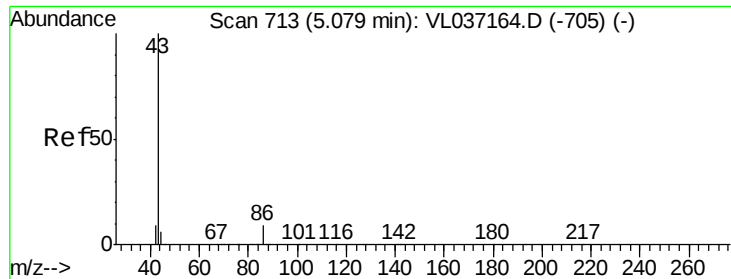
MMDadoda
7/5/2021 3:39:13 PM



#22
trans-1,2-Dichloroethene
Concen: 10.010 ppbv
RT: 4.88 min Scan# 651
Delta R.T. -0.01 min
Lab File: VL037264.D
Acq: 30 Jun 2021 00:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.3	133.9	200.9
98	63.4	52.9	79.3





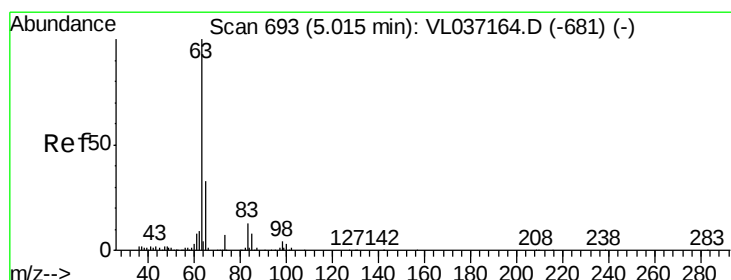
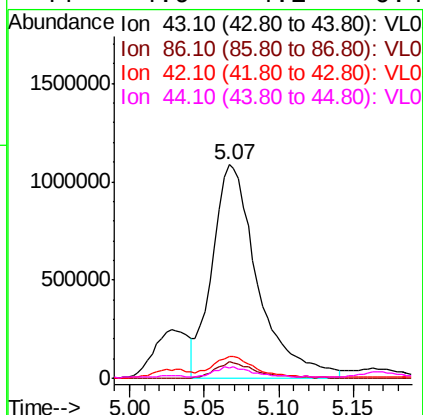
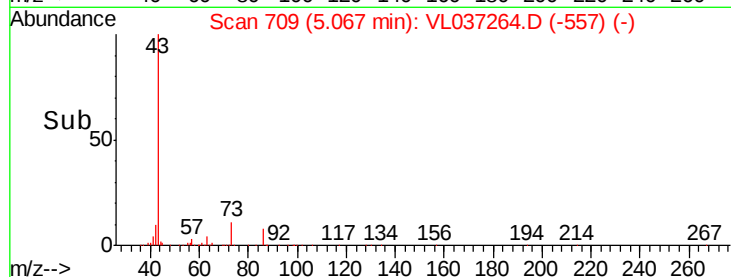
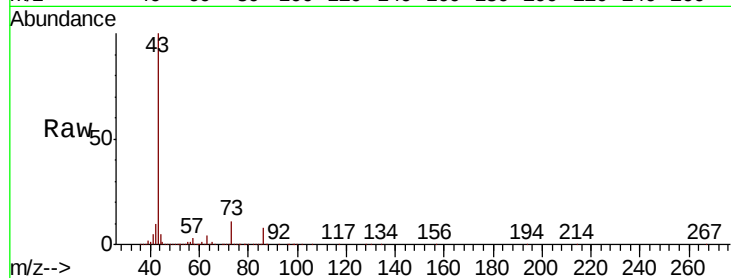
#23
 Vinyl Acetate
 Concen: 8.984 ppbv m
 RT: 5.07 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: VL037264.D
 Acq: 30 Jun 2021 00:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS02

Tot Ion	Ion	Ratio	Lower	Upper
43	43	100		
86	86	7.6	5.8	8.8
42	42	10.0	8.2	12.2
44	44	4.9	4.2	6.4

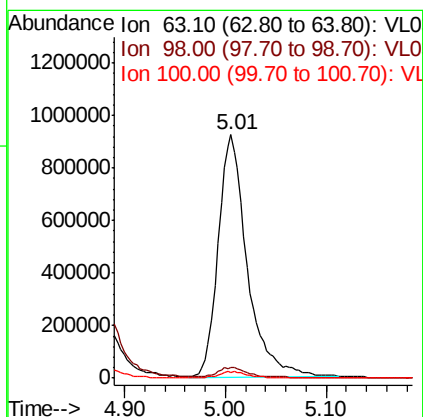
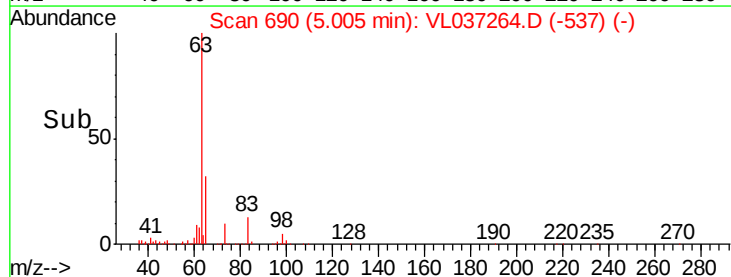
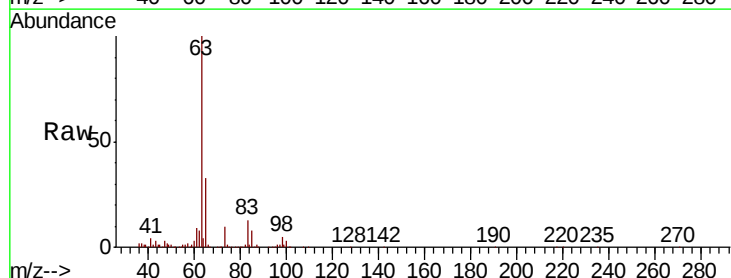
Manual Integrations
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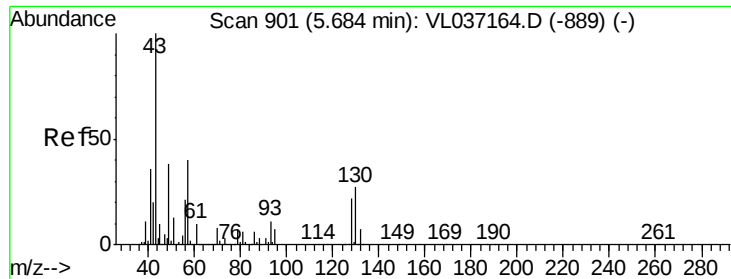
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 8.931 ppbv
 RT: 5.01 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VL037264.D
 Acq: 30 Jun 2021 00:45

Tgt Ion	Ion	Ratio	Lower	Upper
63	63	100		
98	98	4.4	2.1	6.5
100	100	2.4	1.4	4.0





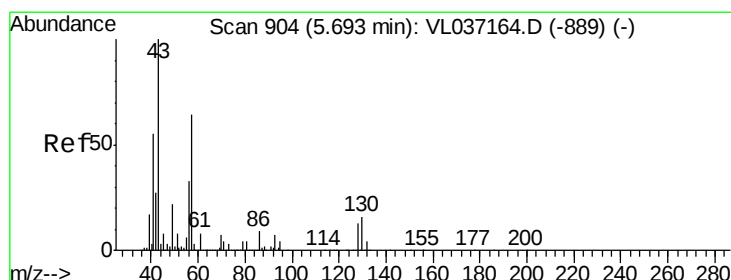
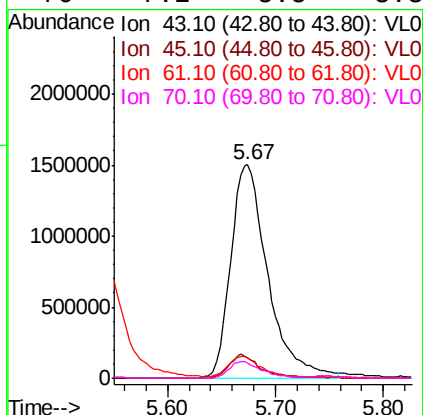
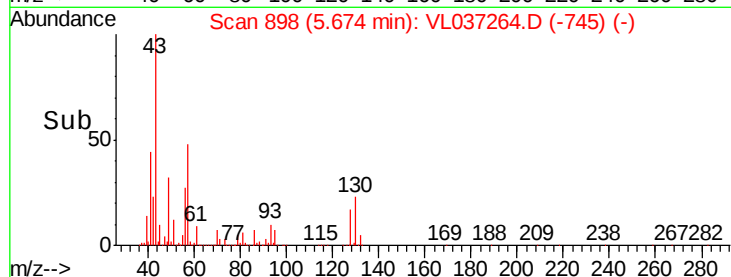
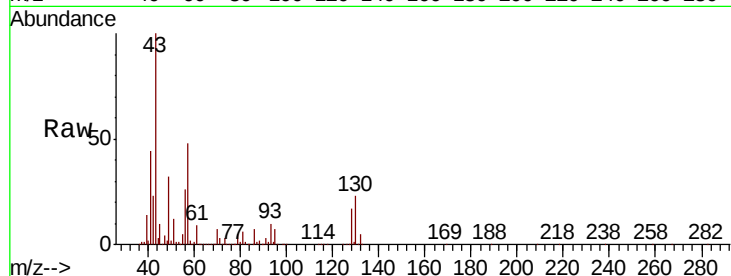
#25
Ethyl Acetate
Concen: 9.193 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL037264.D
Acq: 30 Jun 2021 00:45

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS02

Tot Ion	43	Resp	3574633
Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.0	12.0
61	10.0	8.1	12.1
70	7.2	5.5	8.3

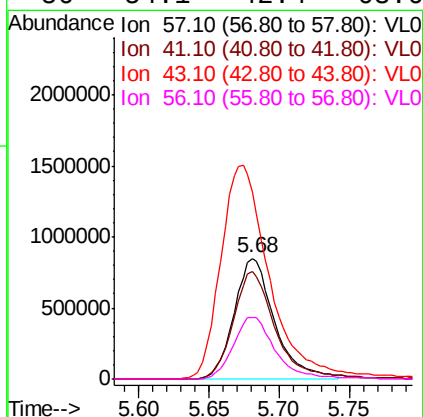
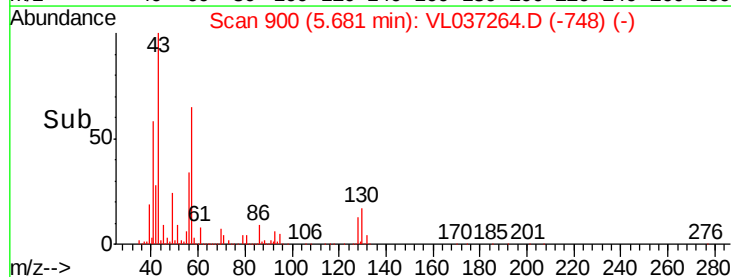
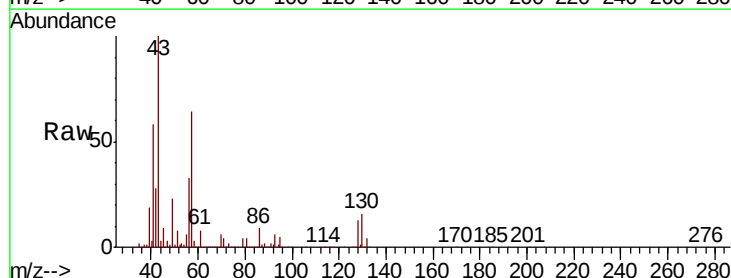
Manual Integrations
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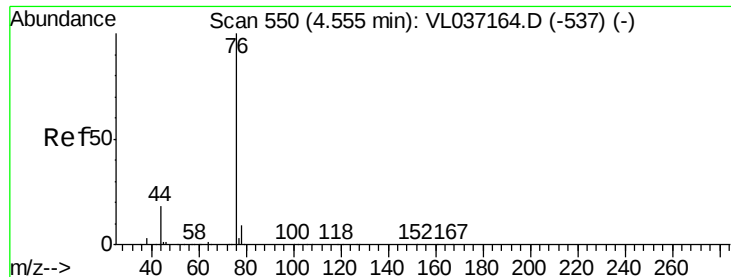
MMDadoda
7/5/2021 3:39:13 PM



#26
Hexane
Concen: 8.671 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL037264.D
Acq: 30 Jun 2021 00:45

Tgt Ion	57	Resp	1704086
Ion	Ratio	Lower	Upper
57	100		
41	93.9	73.5	110.3
43	214.2	170.7	256.1
56	54.1	42.4	63.6





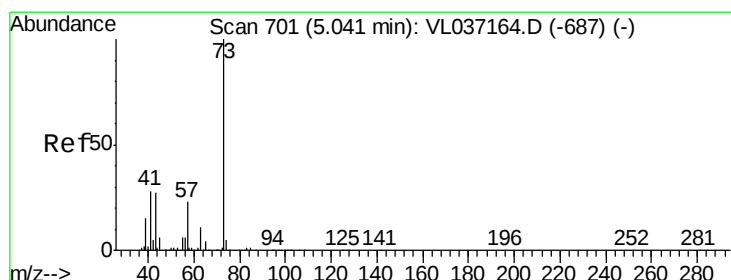
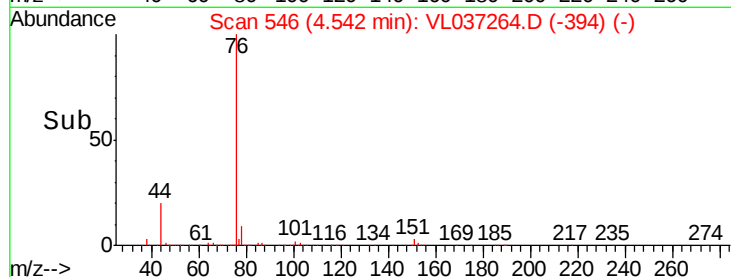
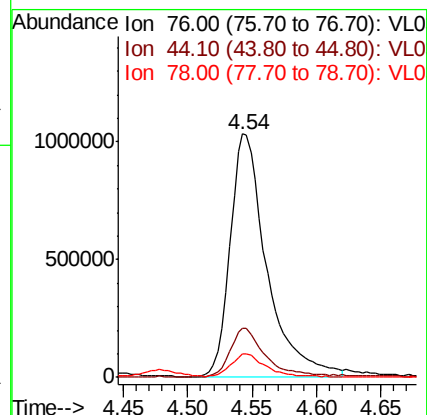
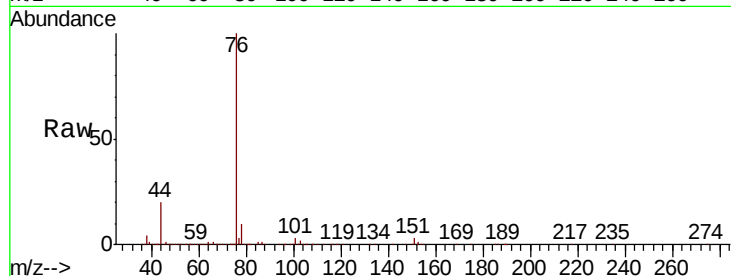
#27
Carbon Disulfide
Concen: 10.576 ppbv
RT: 4.54 min Scan# 546
Delta R.T. -0.01 min
Lab File: VL037264.D
Acq: 30 Jun 2021 00:45

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS02

Tot Ion	Ratio	Lower	Upper
76	100		
44	19.7	15.4	23.2
78	10.0	8.0	12.0

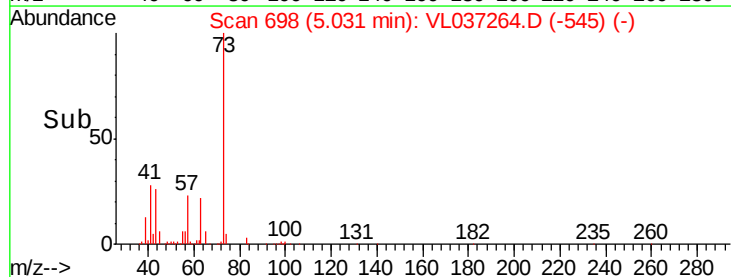
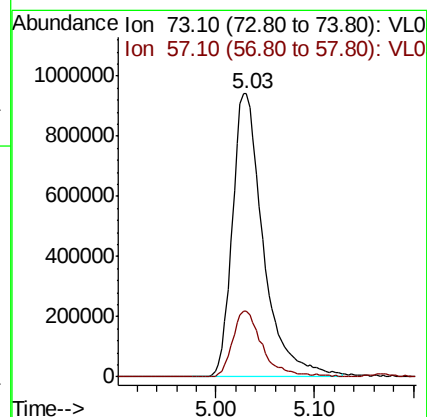
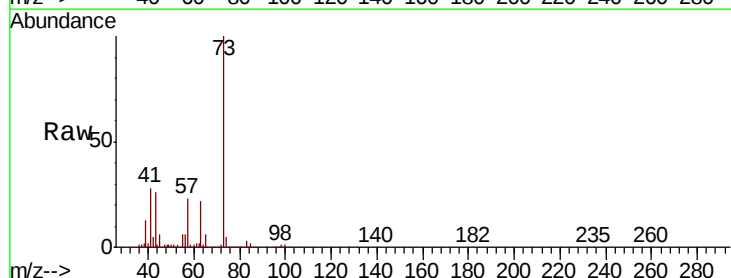
Manual Integrations
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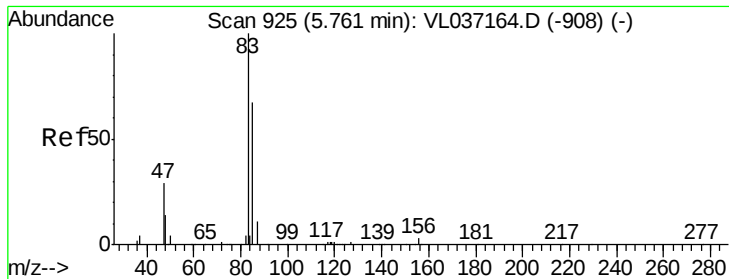
MMDadoda
7/5/2021 3:39:13 PM



#28
Methyl tert-Butyl Ether
Concen: 8.738 ppbv
RT: 5.03 min Scan# 698
Delta R.T. -0.01 min
Lab File: VL037264.D
Acq: 30 Jun 2021 00:45

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.0	27.0





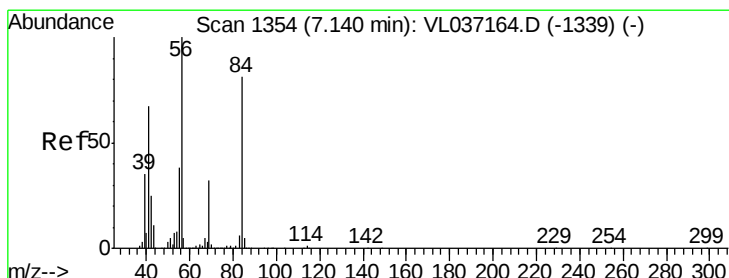
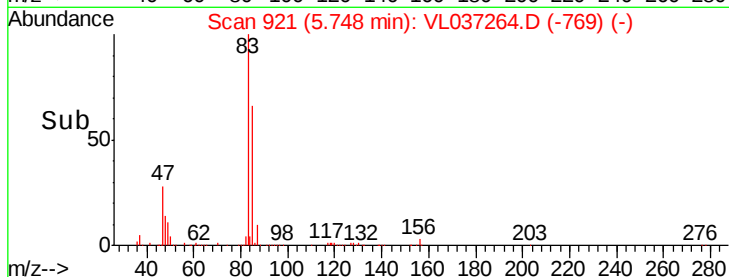
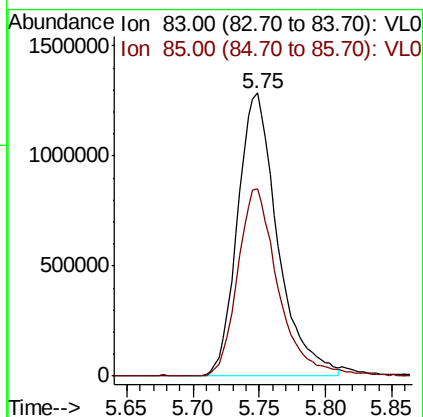
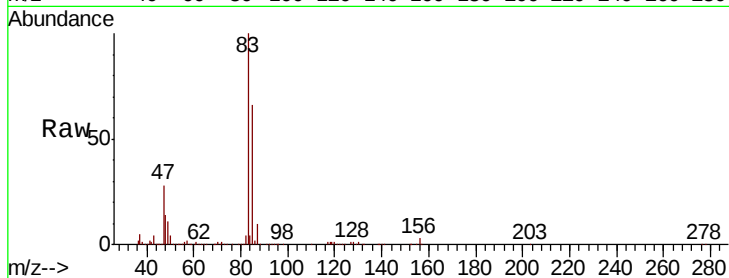
#29
Chloroform
Concen: 8.922 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.01 min
Lab File: VL037264.D
Acq: 30 Jun 2021 00:45

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS02

Tot Ion: 83 Resp: 2708731
Ion Ratio Lower Upper
83 100
85 65.9 53.6 80.4

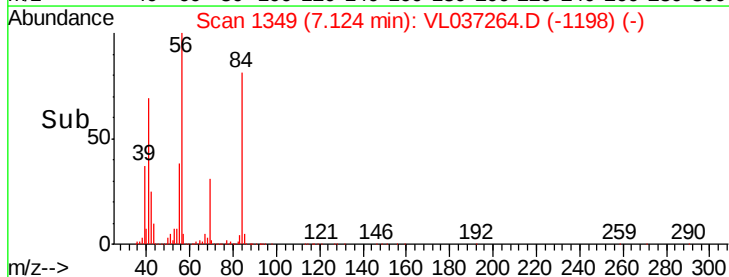
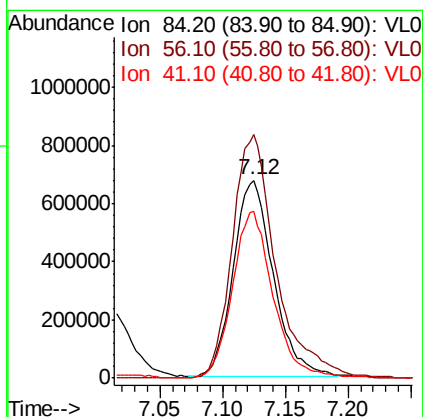
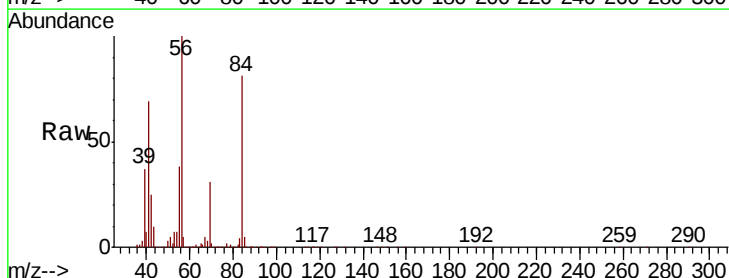
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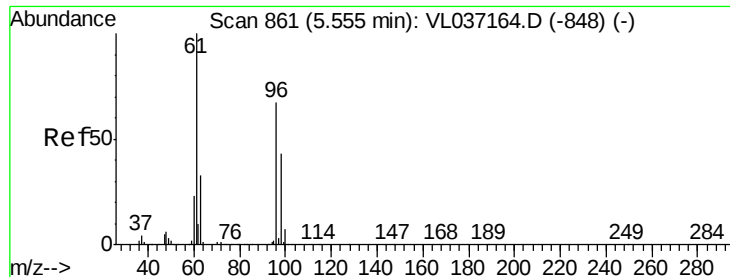
MMDadoda
7/5/2021 3:39:13 PM



#30
Cyclohexane
Concen: 9.173 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.02 min
Lab File: VL037264.D
Acq: 30 Jun 2021 00:45

Tgt Ion: 84 Resp: 1502159
Ion Ratio Lower Upper
84 100
56 136.0 107.7 161.5
41 86.5 69.0 103.6





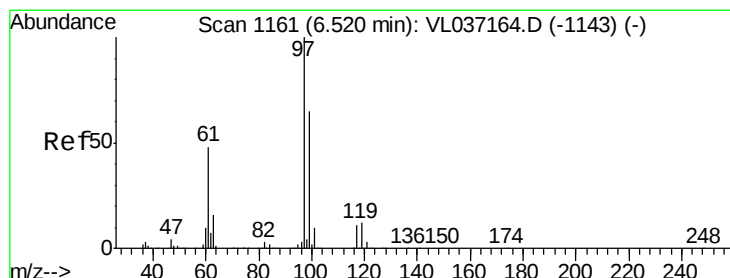
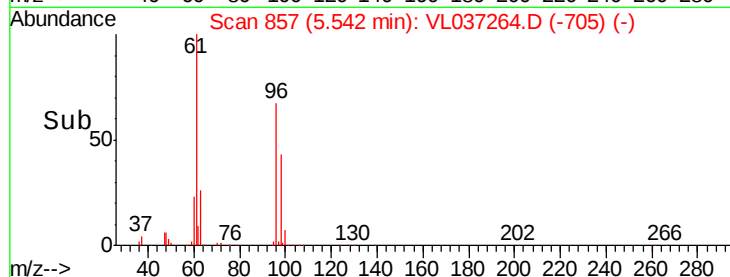
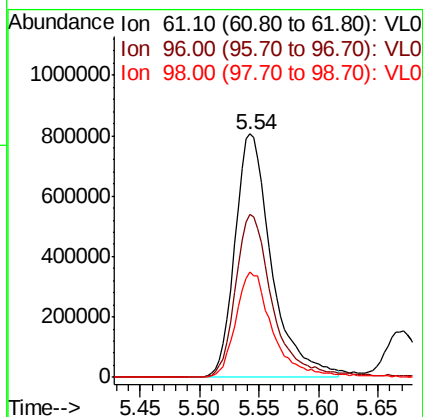
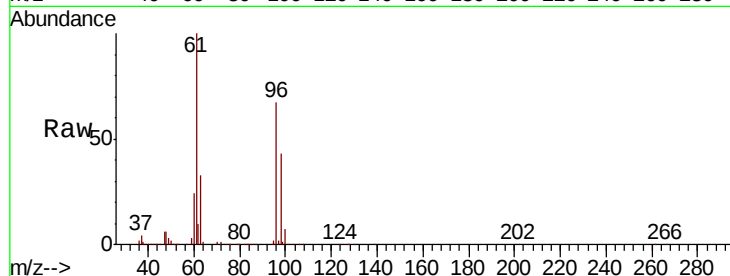
#31
 cis-1,2-Dichloroethene
 Concen: 9.509 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VL037264.D
 Acq: 30 Jun 2021 00:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS02

Tot Ion	Ratio	Lower	Upper
61	100		
96	67.0	53.6	80.4
98	43.3	34.7	52.1

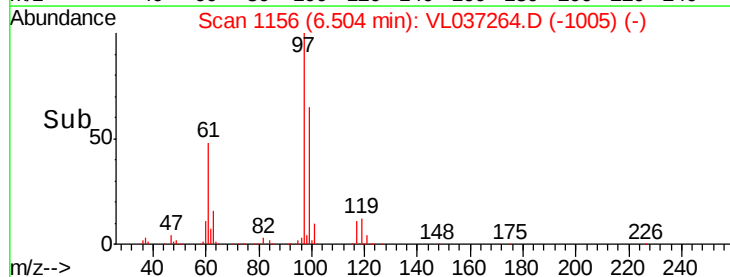
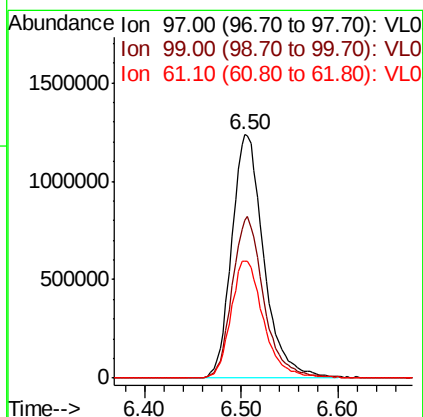
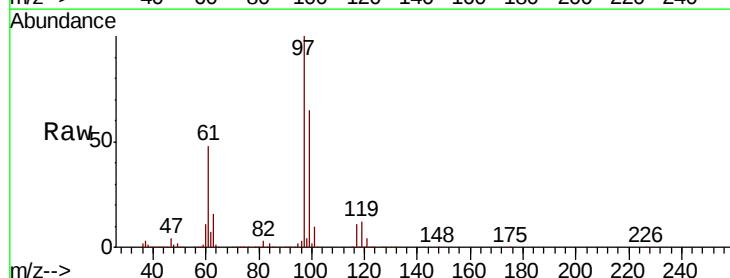
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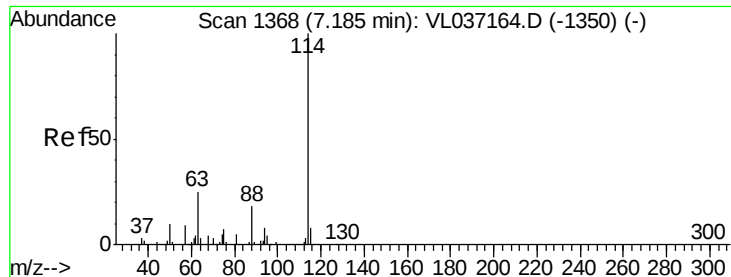
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 8.774 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. -0.02 min
 Lab File: VL037264.D
 Acq: 30 Jun 2021 00:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	52.2	78.4
61	49.0	38.8	58.2





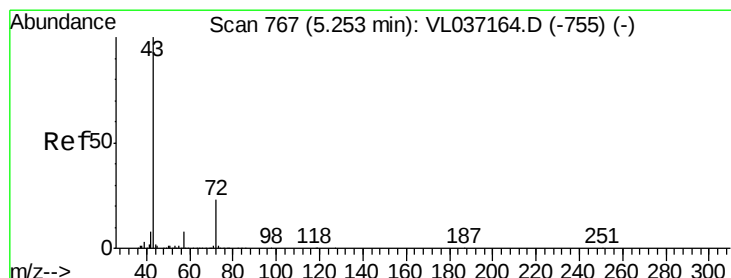
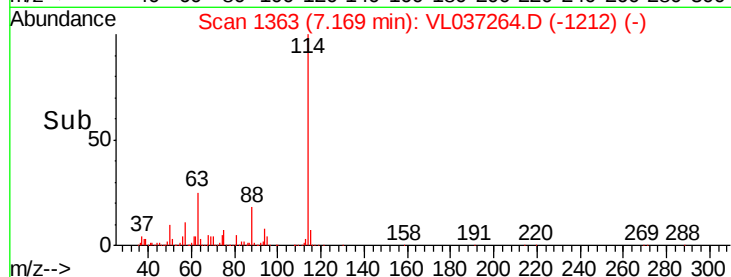
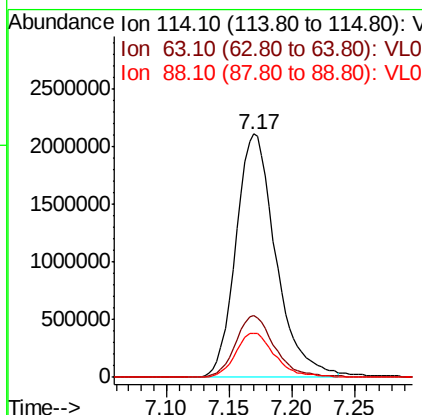
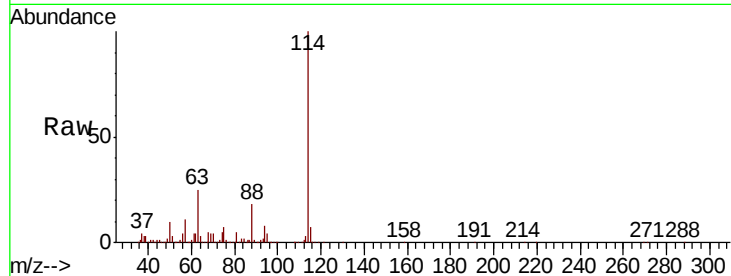
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.02 min
 Lab File: VL037264.D
 Acq: 30 Jun 2021 00:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS02

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.5	19.6	29.4
88	18.3	14.2	21.2

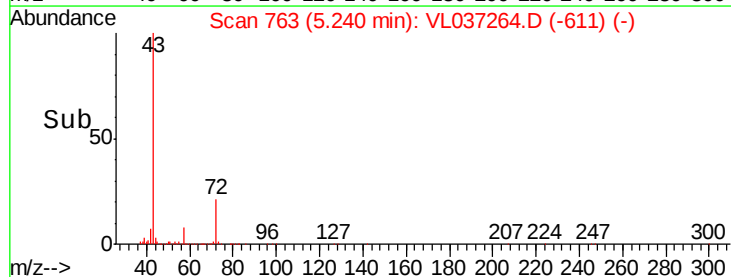
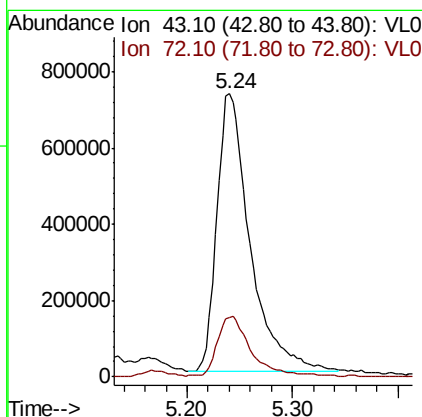
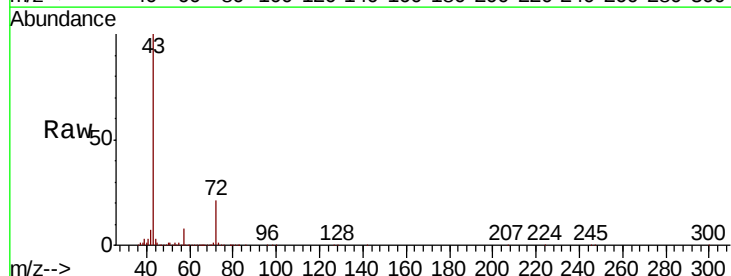
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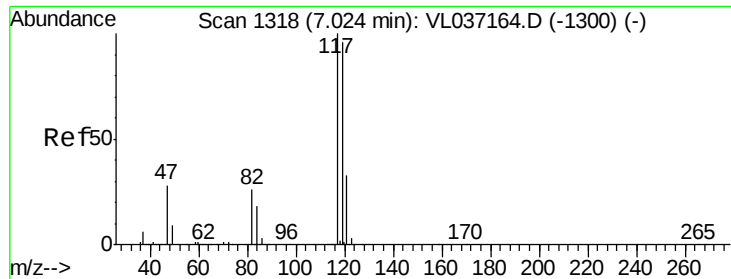
MMDadoda
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#34
 2-Butanone
 Concen: 8.766 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VL037264.D
 Acq: 30 Jun 2021 00:45

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.3	18.9	28.3





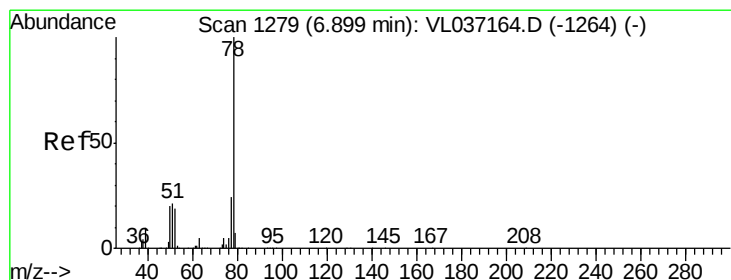
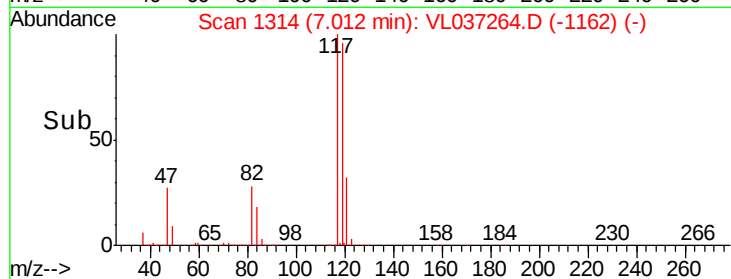
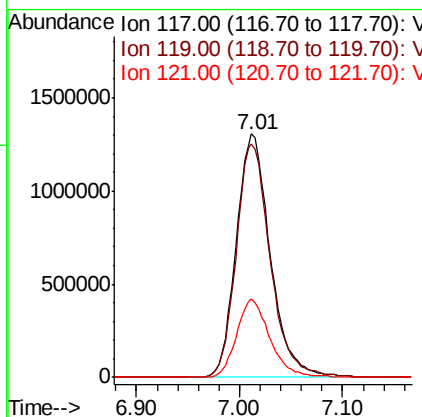
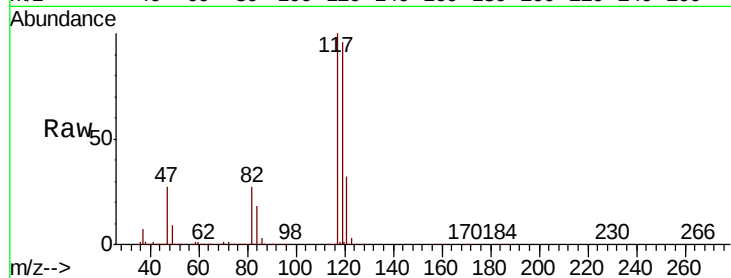
#35
Carbon Tetrachloride
Concen: 9.543 ppbv
RT: 7.01 min Scan# 1314
Delta R.T. -0.01 min
Lab File: VL037264.D
Acq: 30 Jun 2021 00:45

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS02

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.6	114.8
121	32.2	26.4	39.6

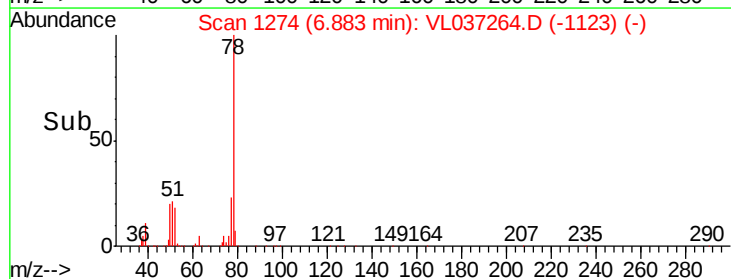
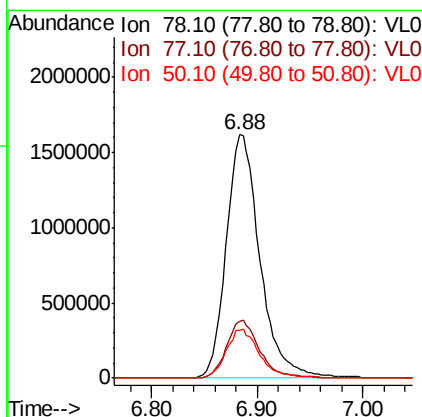
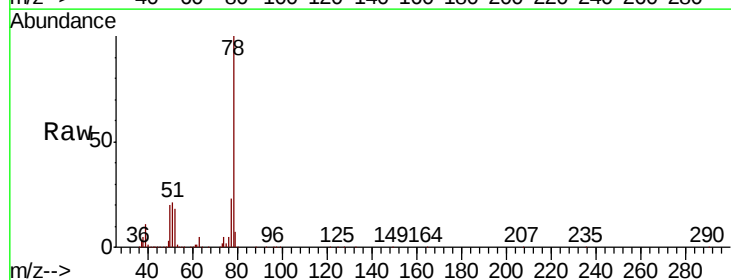
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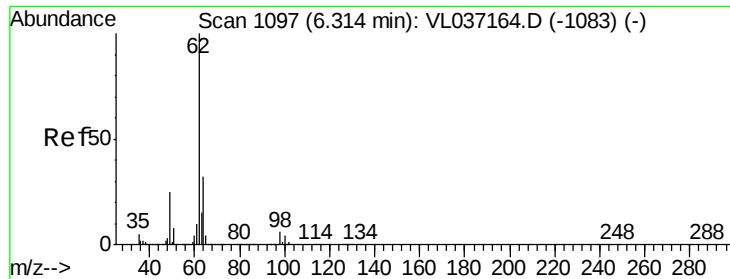
MMDadoda
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#36
Benzene
Concen: 9.445 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.02 min
Lab File: VL037264.D
Acq: 30 Jun 2021 00:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.6
50	19.5	15.7	23.5





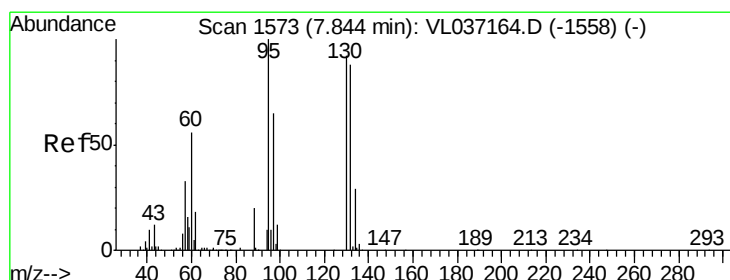
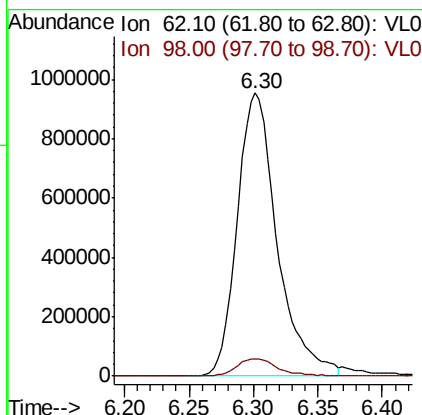
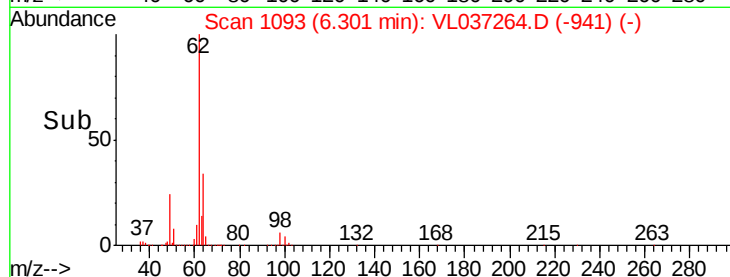
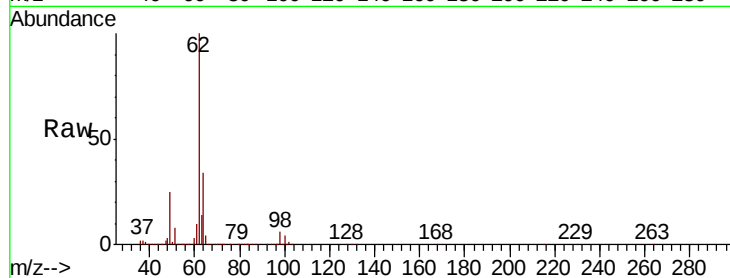
#37
 1,2-Dichloroethane
 Concen: 9.363 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: VL037264.D
 Acq: 30 Jun 2021 00:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS02

Tot Ion: 62 Resp: 2056445
 Ion Ratio Lower Upper
 62 100
 98 6.4 5.0 7.6

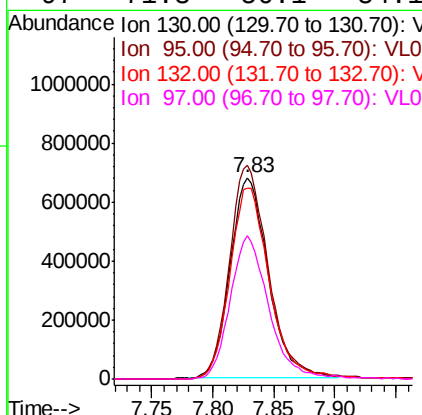
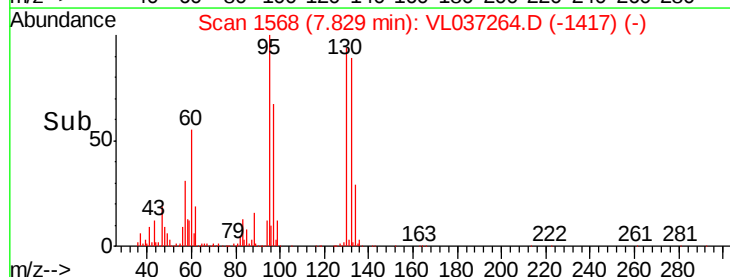
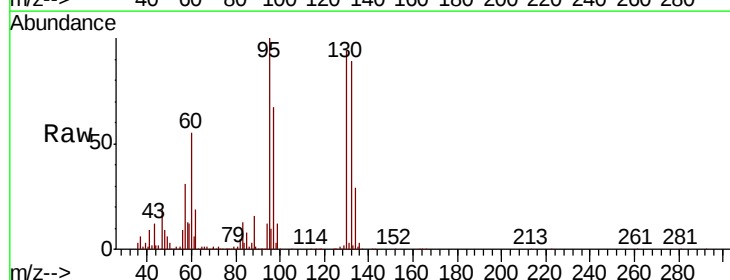
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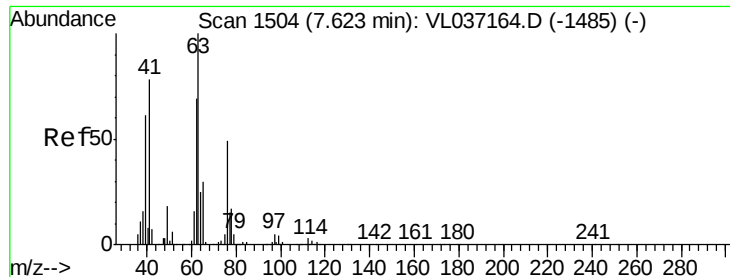
MMDadoda
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#38
 Trichloroethene
 Concen: 8.216 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: VL037264.D
 Acq: 30 Jun 2021 00:45

Tgt Ion: 130 Resp: 1476584
 Ion Ratio Lower Upper
 130 100
 95 106.5 86.6 129.8
 132 95.2 76.6 114.8
 97 71.3 56.1 84.1





#39

1,2-Dichloropropane

Concen: 9.748 ppbv

RT: 7.61 min Scan# 1499

Delta R.T. -0.02 min

Lab File: VL037264.D

Acq: 30 Jun 2021 00:45

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS02

Tot Ion: 63 Resp: 1369437

Ion Ratio Lower Upper

63 100

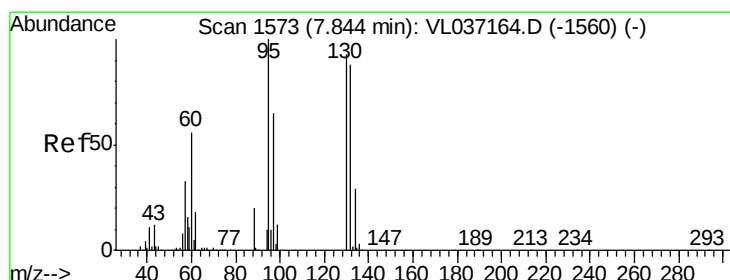
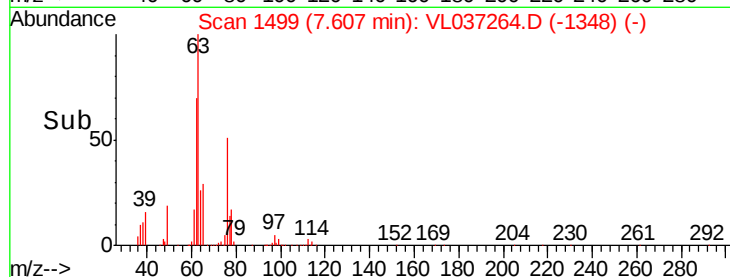
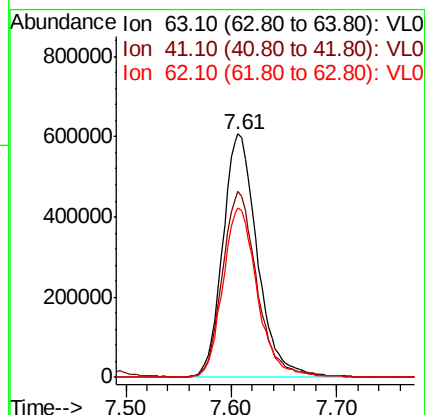
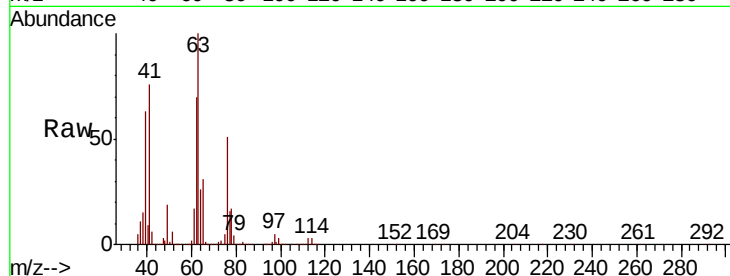
41 75.7 62.0 93.0

62 69.6 54.9 82.3

Manual Integrations
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#40

1,4-Dioxane

Concen: 8.099 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VL037264.D

Acq: 30 Jun 2021 00:45

Tgt Ion: 88 Resp: 312023

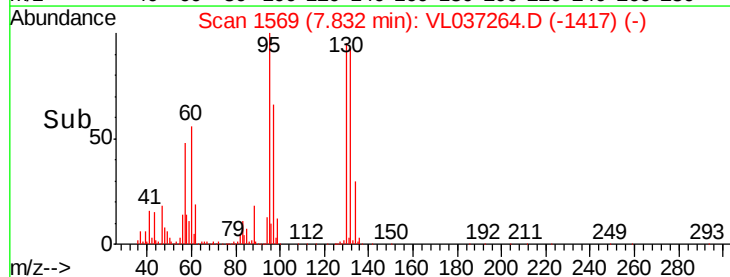
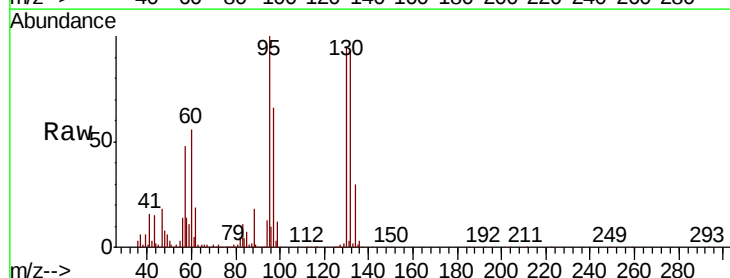
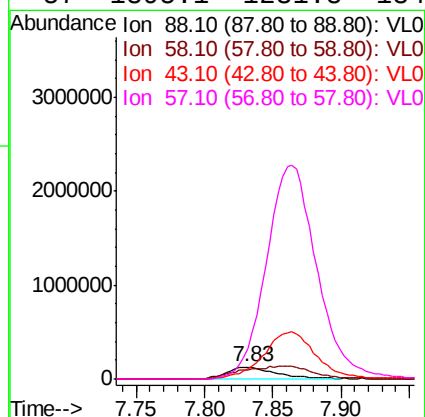
Ion Ratio Lower Upper

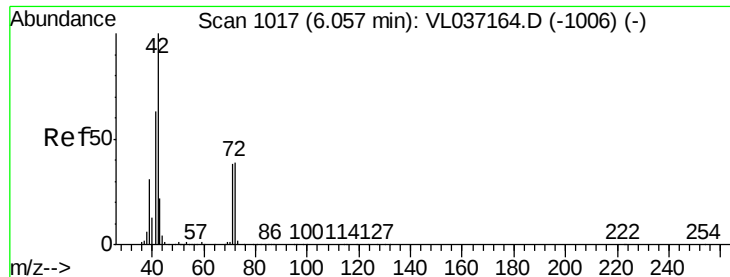
88 100

58 161.7 118.4 177.6

43 432.5 284.0 426.0#

57 1895.1 1231.8 1847.6#





#41

Tetrahydrofuran

Concen: 10.086 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: VL037264.D

Acq: 30 Jun 2021 00:45

Instrument :

MSVOA_L

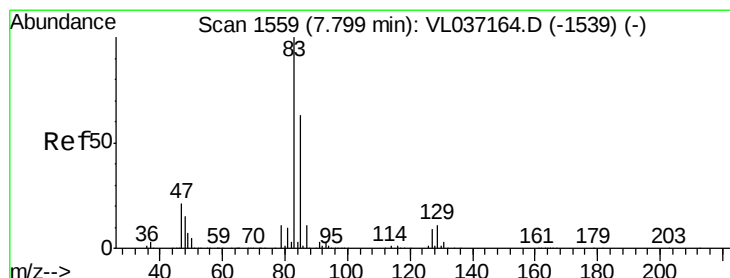
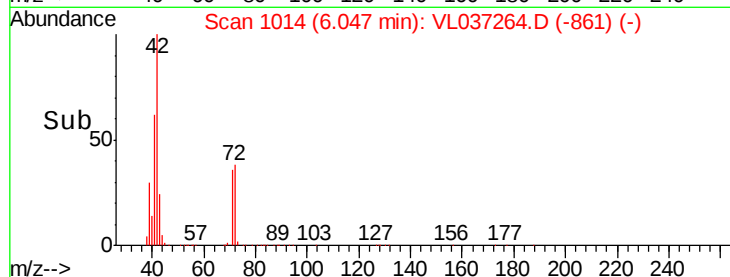
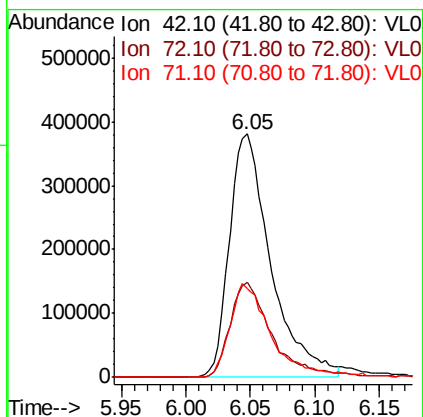
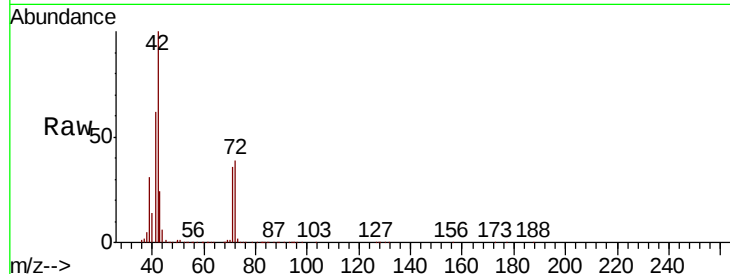
ClientSampleId :

VL0629ABS02

Tot Ion:	42	Resp:	851857
Ion	Ratio	Lower	Upper
42	100		
72	40.4	33.0	49.4
71	39.2	31.0	46.6

Manual Integrations
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#42

Bromodichloromethane

Concen: 9.637 ppbv

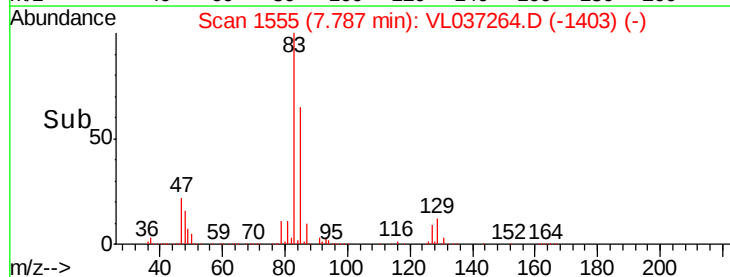
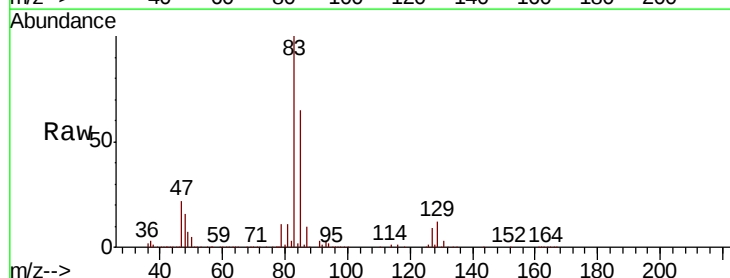
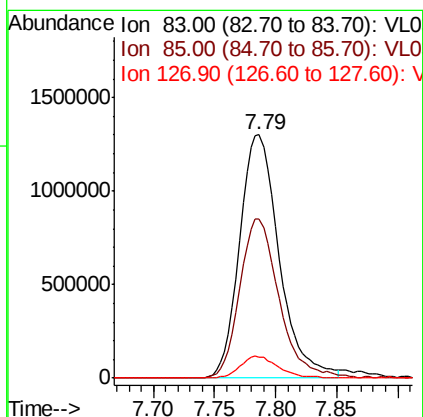
RT: 7.79 min Scan# 1555

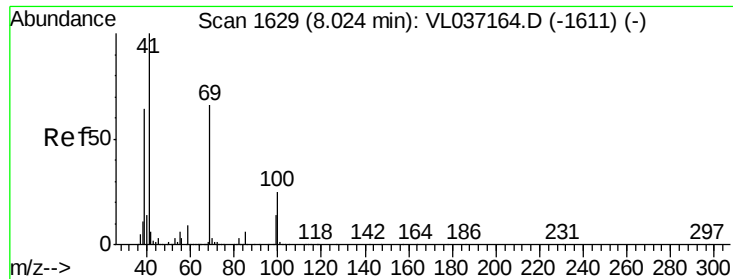
Delta R.T. -0.01 min

Lab File: VL037264.D

Acq: 30 Jun 2021 00:45

Tgt Ion:	83	Resp:	2919868
Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.8	76.2
127	8.8	7.0	10.6





#43

Methyl Methacrylate

Concen: 9.999 ppbv

RT: 8.01 min Scan# 1624

Delta R.T. -0.02 min

Lab File: VL037264.D

Acq: 30 Jun 2021 00:45

Instrument :
MSVOA_L

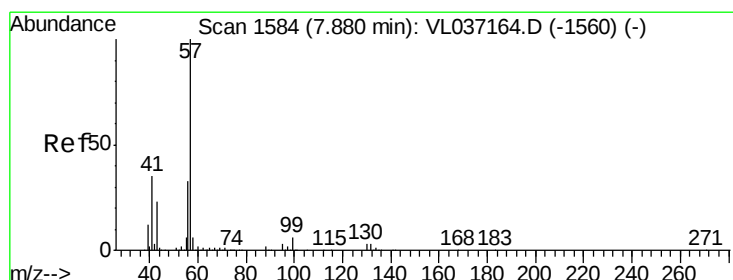
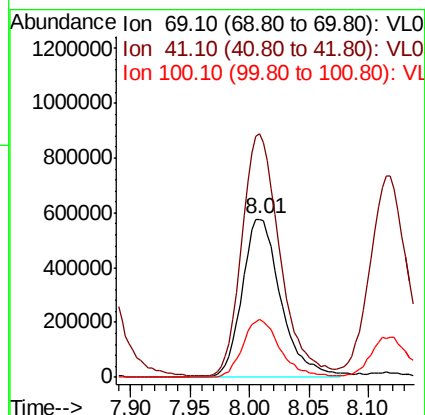
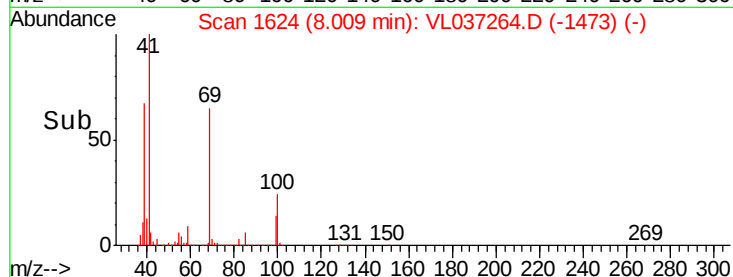
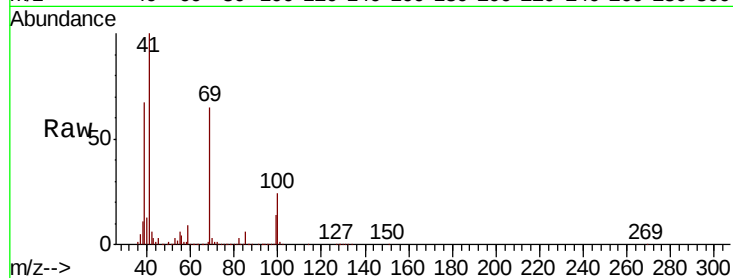
ClientSampleId :
VL0629ABS02

Tot Ion: 69 Resp: 1305541

Ion	Ratio	Lower	Upper
69	100		
41	152.2	119.4	179.0
100	35.4	28.6	43.0

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#44

2,2,4-Trimethylpentane

Concen: 9.293 ppbv

RT: 7.86 min Scan# 1579

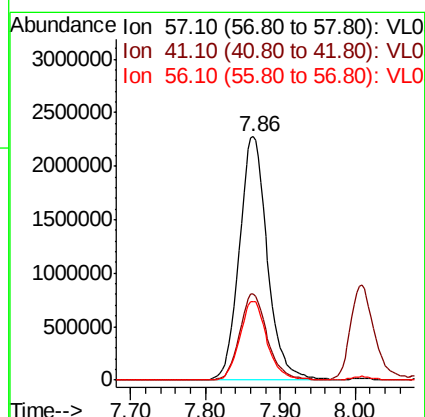
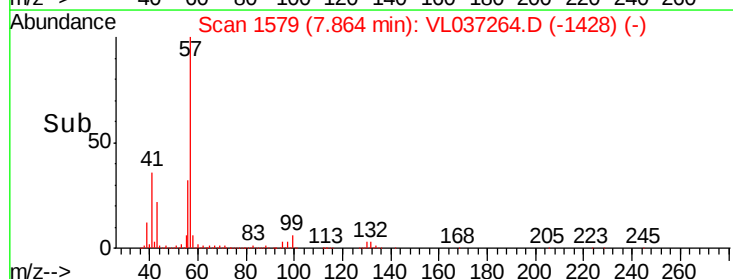
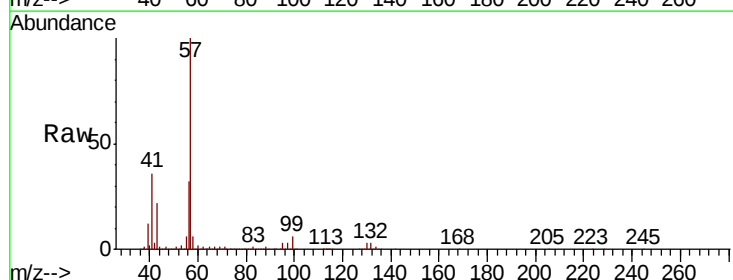
Delta R.T. -0.02 min

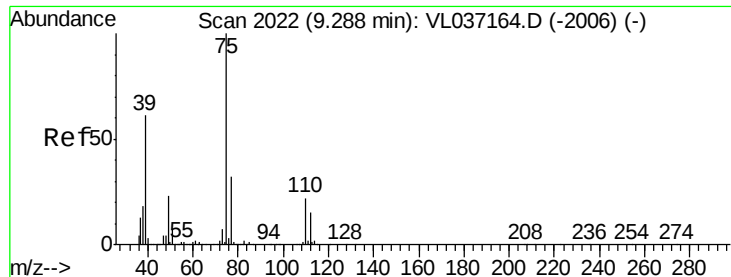
Lab File: VL037264.D

Acq: 30 Jun 2021 00:45

Tgt Ion: 57 Resp: 5916505

Ion	Ratio	Lower	Upper
57	100		
41	35.2	27.6	41.4
56	31.6	25.3	37.9





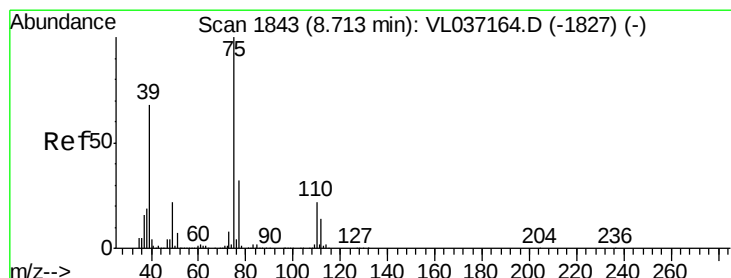
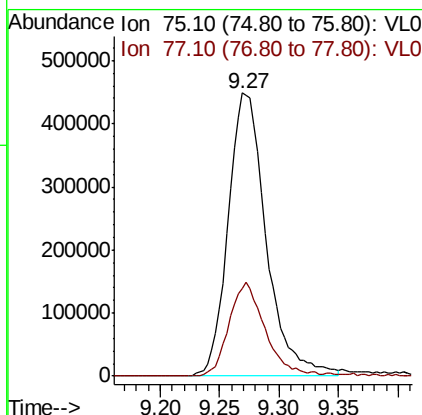
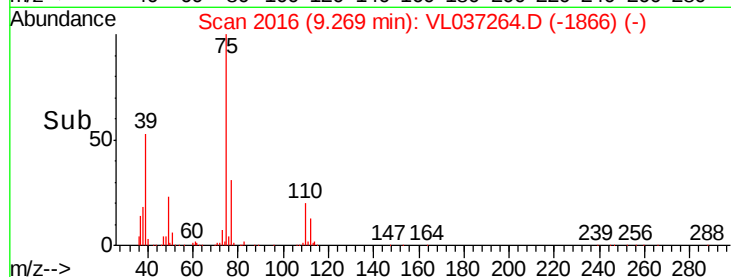
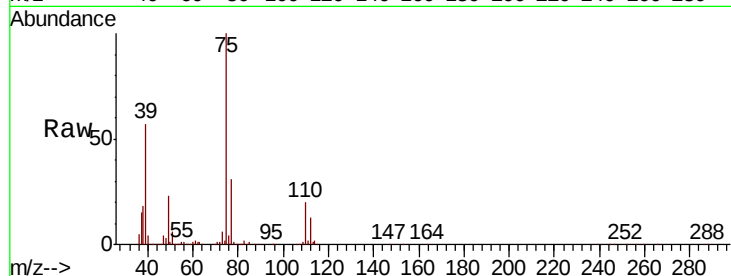
#45
t-1,3-Dichloropropene
Concen: 8.612 ppbv
RT: 9.27 min Scan# 2016
Delta R.T. -0.02 min
Lab File: VL037264.D
Acq: 30 Jun 2021 00:45

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS02

Tot Ion: 75 Resp: 992016
Ion Ratio Lower Upper
75 100
77 31.1 25.6 38.4

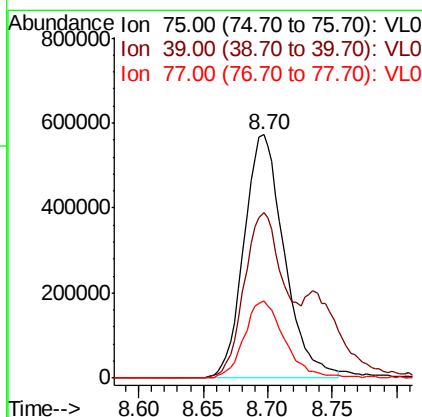
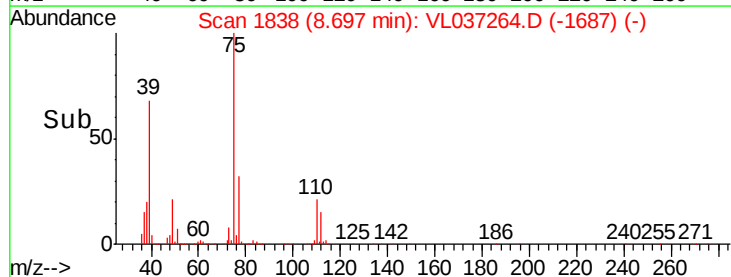
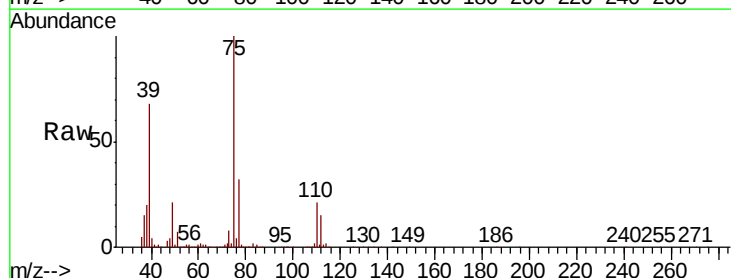
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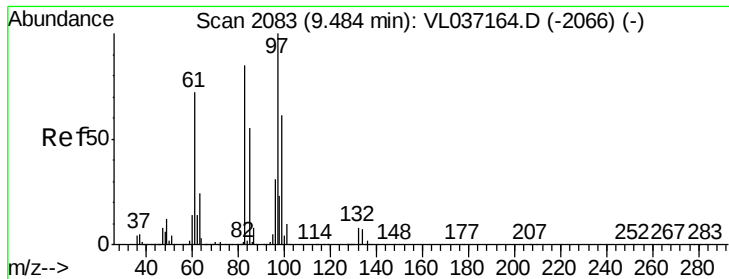
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 7.911 ppbv
RT: 8.70 min Scan# 1838
Delta R.T. -0.02 min
Lab File: VL037264.D
Acq: 30 Jun 2021 00:45

Tgt Ion: 75 Resp: 1246709
Ion Ratio Lower Upper
75 100
39 68.0 54.7 82.1
77 31.7 25.8 38.8





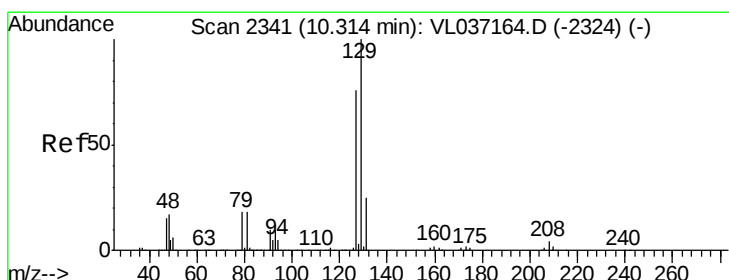
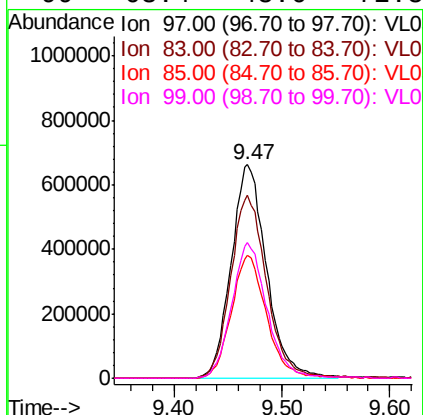
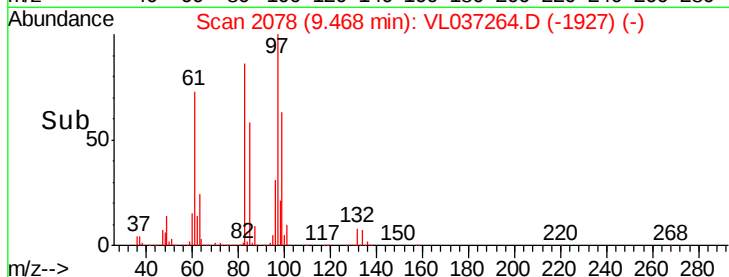
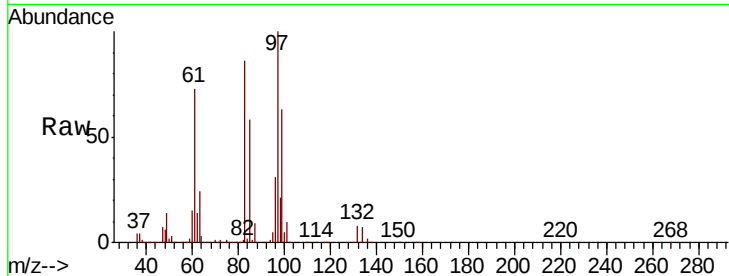
#47
 1,1,2-Trichloroethane
 Concen: 9.448 ppbv
 RT: 9.47 min Scan# 2078
 Delta R.T. -0.02 min
 Lab File: VL037264.D
 Acq: 30 Jun 2021 00:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS02

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.8	68.3	102.5
85	57.6	44.1	66.1
99	63.4	48.6	72.8

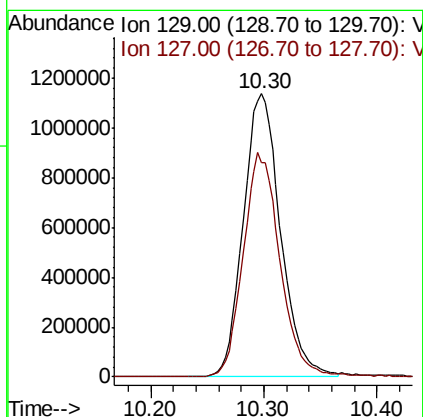
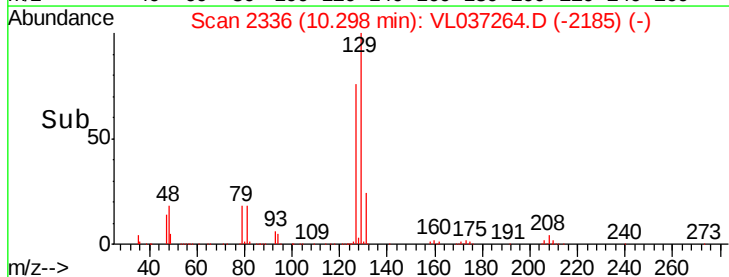
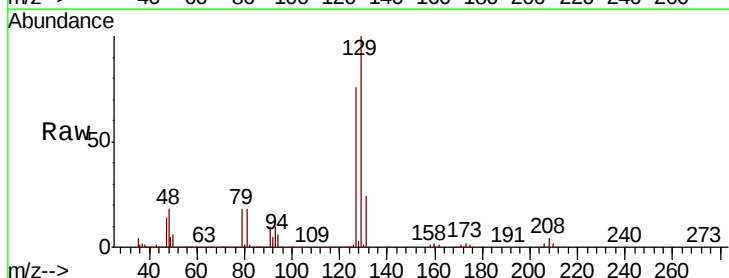
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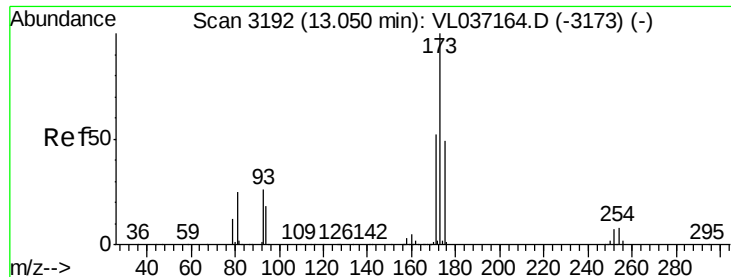
MMDadoda
 7/5/2021 3:39:13 PM



#48
 Dibromochloromethane
 Concen: 10.283 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T. -0.02 min
 Lab File: VL037264.D
 Acq: 30 Jun 2021 00:45

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.1	117.2





#49

Bromoform

Concen: 11.290 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. -0.02 min

Lab File: VL037264.D

Acq: 30 Jun 2021 00:45

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS02

Tot Ion:173 Resp: 2128141

Ion Ratio Lower Upper

173 100

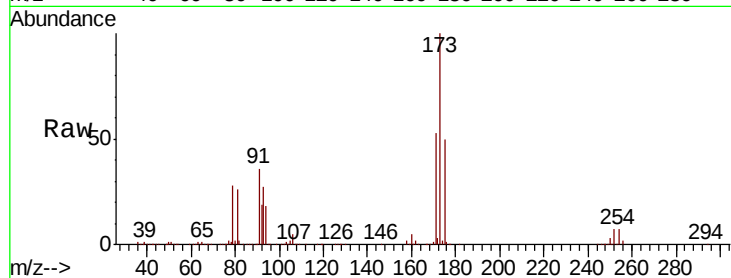
175 51.0 40.2 60.4

171 54.1 41.8 62.8

Manual Integrations
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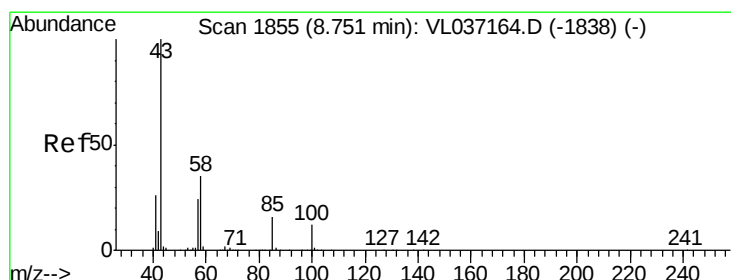
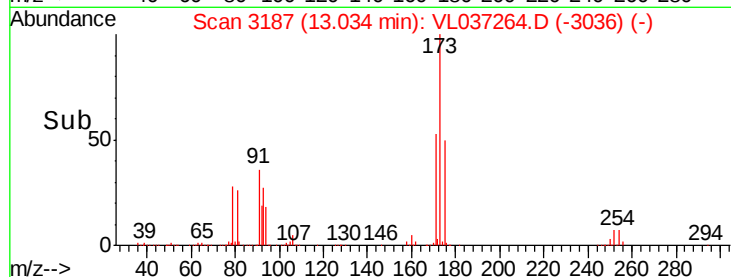
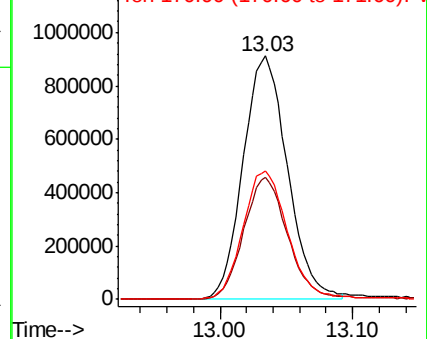


Abundance

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: 10.315 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. -0.02 min

Lab File: VL037264.D

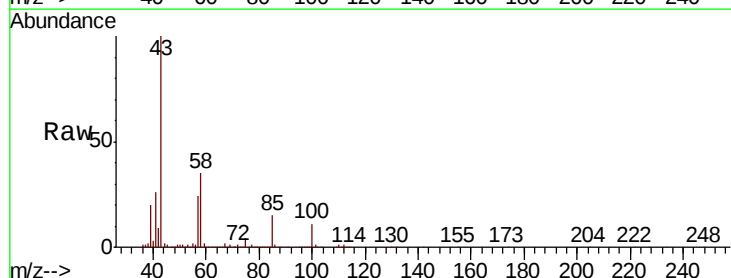
Acq: 30 Jun 2021 00:45

Tgt Ion: 43 Resp: 2576125

Ion Ratio Lower Upper

43 100

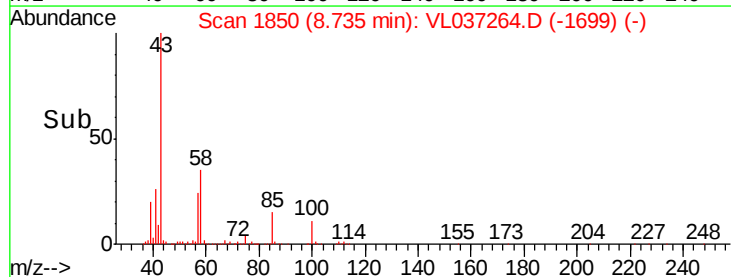
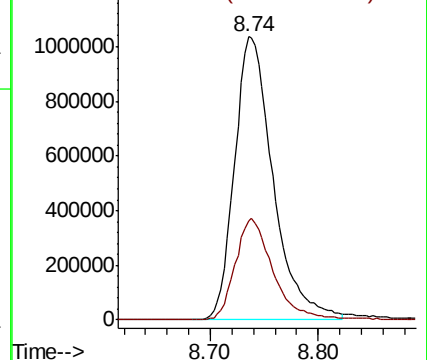
58 35.5 28.4 42.6

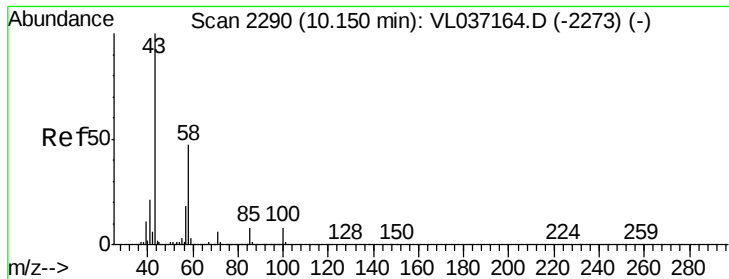


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.979 ppbv

RT: 10.13 min Scan# 2284

Delta R.T. -0.02 min

Lab File: VL037264.D

Acq: 30 Jun 2021 00:45

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS02

Tot Ion: 43 Resp: 1334176

Ion Ratio Lower Upper

43 100

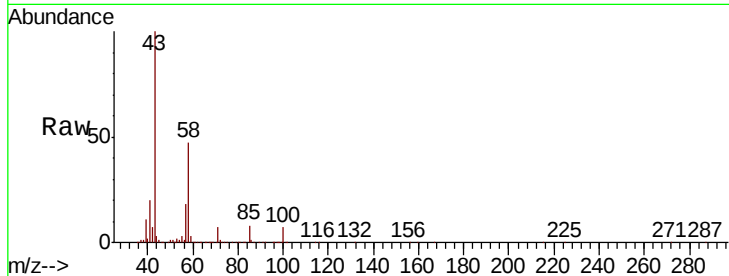
58 48.6 38.4 57.6

98 0.2 0.3 0.5#

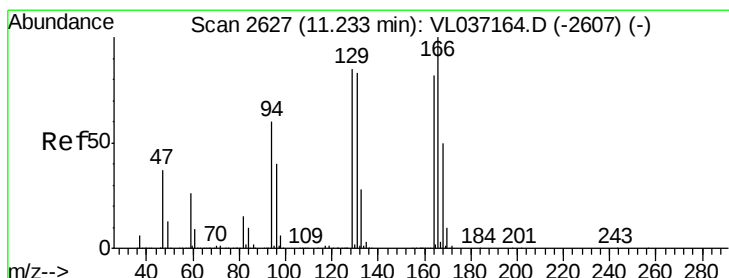
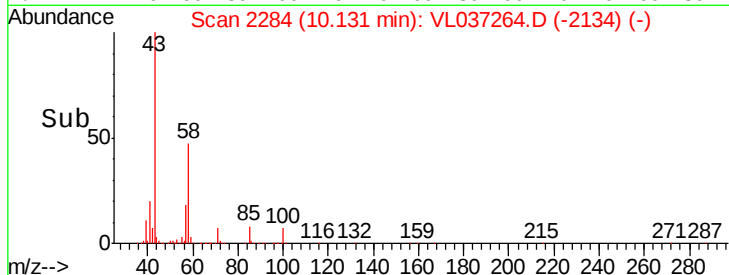
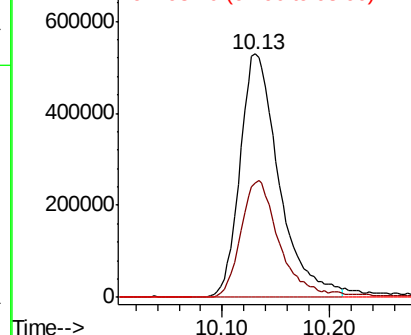
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.322 ppbv

RT: 11.21 min Scan# 2621

Delta R.T. -0.02 min

Lab File: VL037264.D

Acq: 30 Jun 2021 00:45

Tgt Ion:164 Resp: 1462025

Ion Ratio Lower Upper

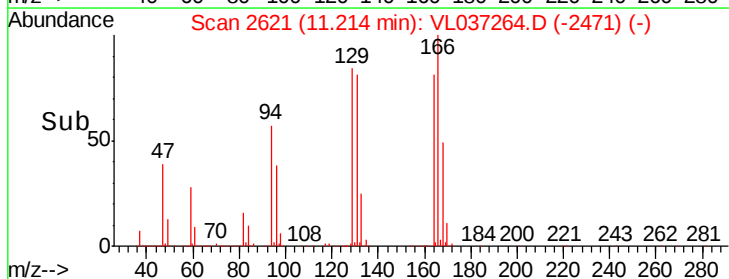
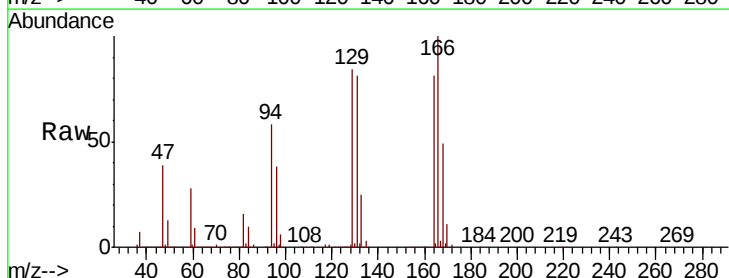
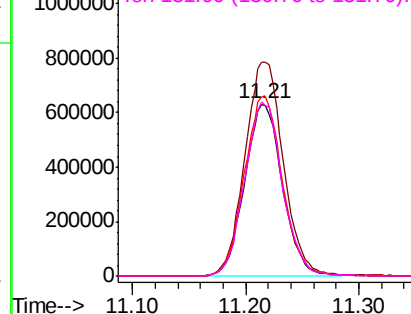
164 100

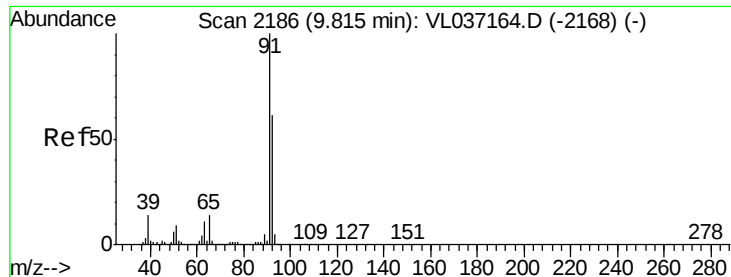
166 124.1 97.6 146.4

129 103.8 82.9 124.3

131 101.0 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: 9.469 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. -0.02 min

Lab File: VL037264.D

Acq: 30 Jun 2021 00:45

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS02

Tot Ion: 91 Resp: 4276145

Ion Ratio Lower Upper

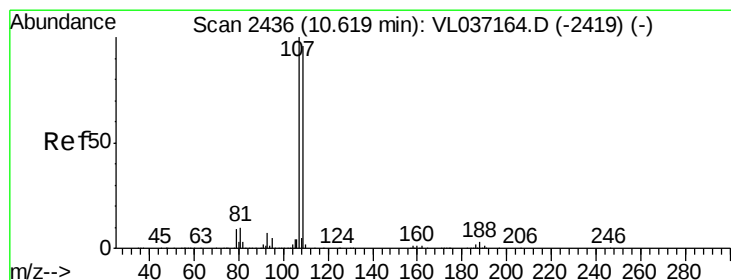
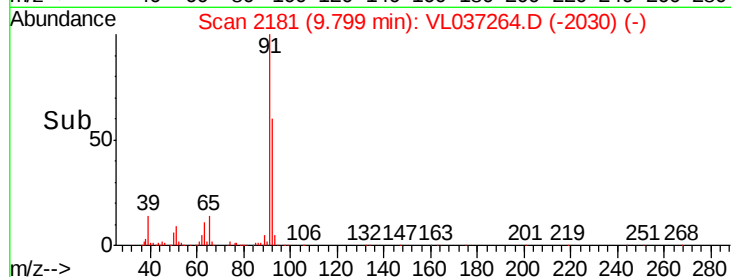
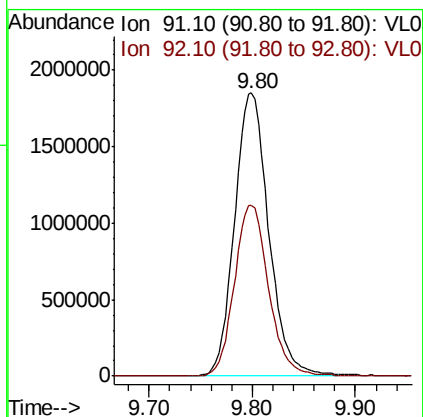
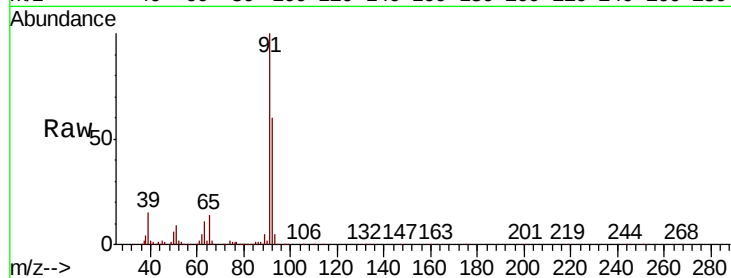
91 100

92 60.9 48.3 72.5

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#54

1,2-Dibromoethane

Concen: 9.657 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. -0.02 min

Lab File: VL037264.D

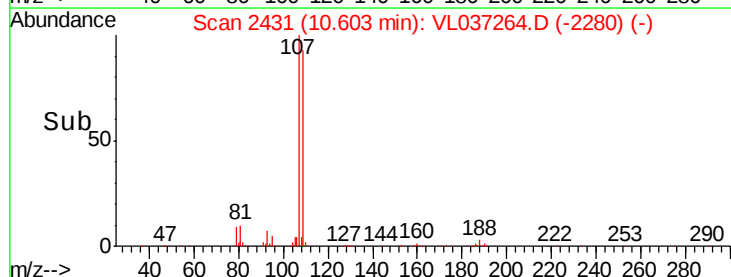
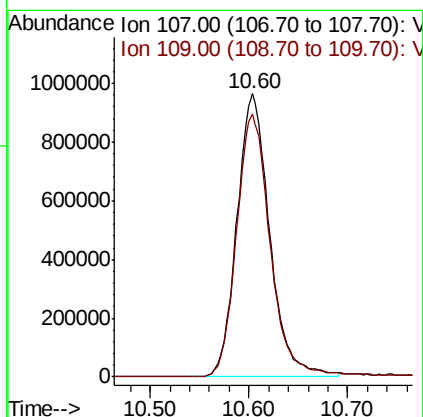
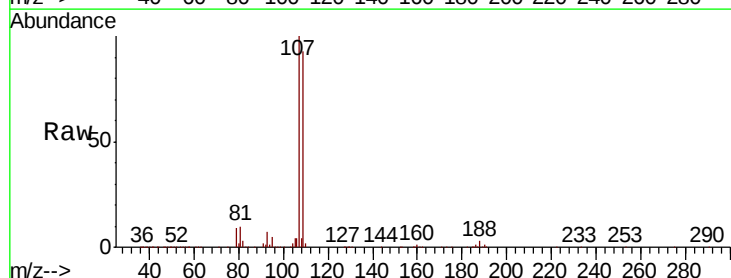
Acq: 30 Jun 2021 00:45

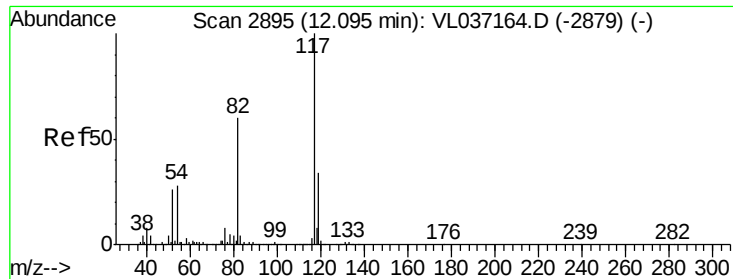
Tgt Ion: 107 Resp: 2224447

Ion Ratio Lower Upper

107 100

109 92.8 77.0 115.6





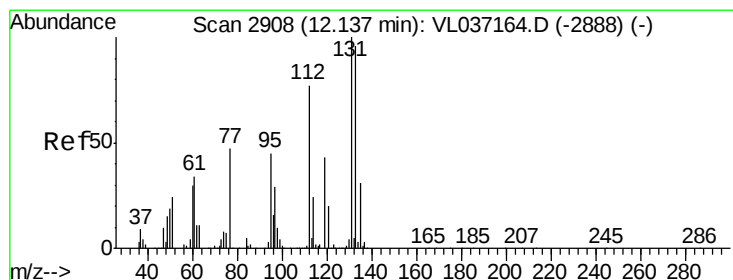
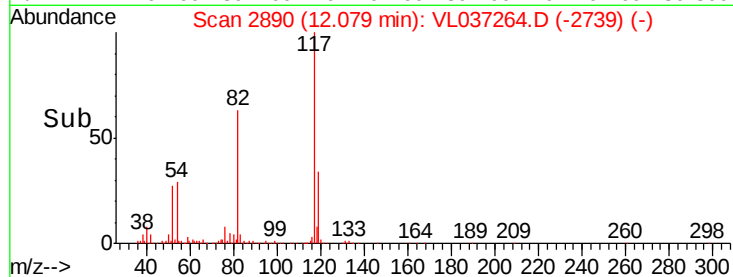
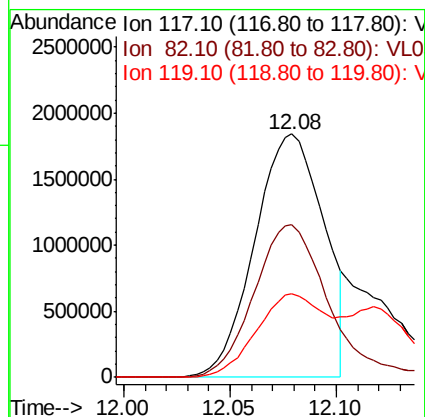
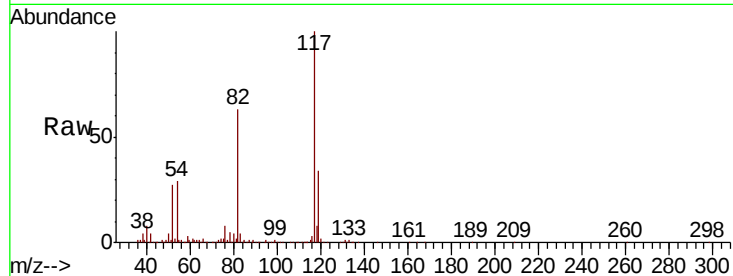
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2890
Delta R.T. -0.02 min
Lab File: VL037264.D
Acq: 30 Jun 2021 00:45

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS02

Tot Ion:117 Resp: 4152214
Ion Ratio Lower Upper
117 100
82 69.5 51.7 77.5
119 62.3 47.6 71.4

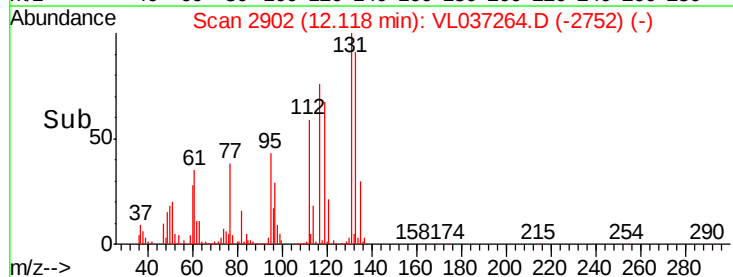
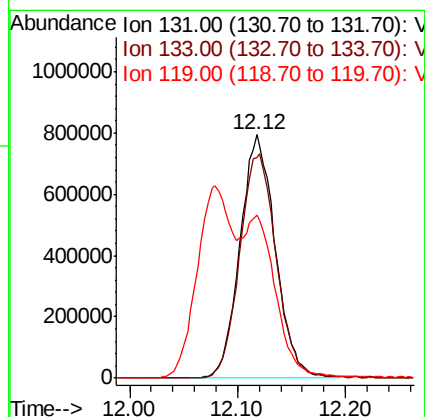
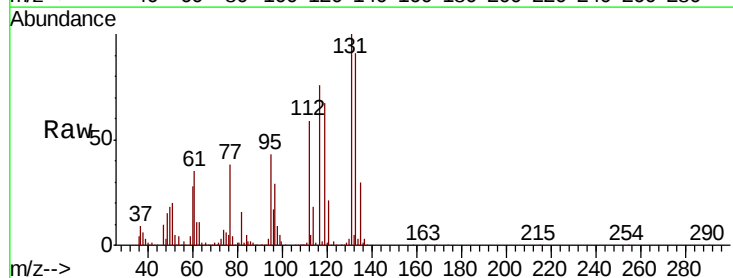
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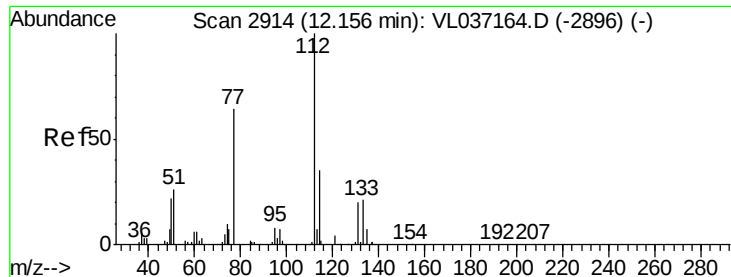
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.976 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.02 min
Lab File: VL037264.D
Acq: 30 Jun 2021 00:45

Tgt Ion:131 Resp: 1810972
Ion Ratio Lower Upper
131 100
133 96.0 76.5 114.7
119 144.1 48.6 72.8#





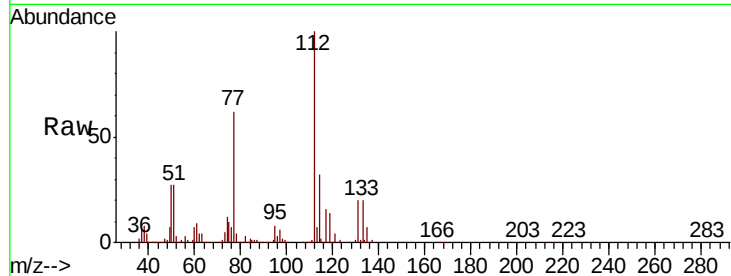
#57
Chlorobenzene
Concen: 9.487 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.02 min
Lab File: VL037264.D
Acq: 30 Jun 2021 00:45

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS02

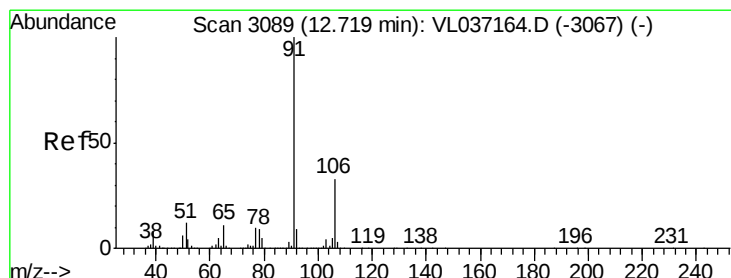
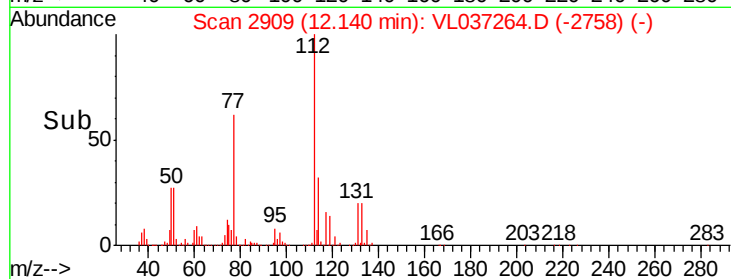
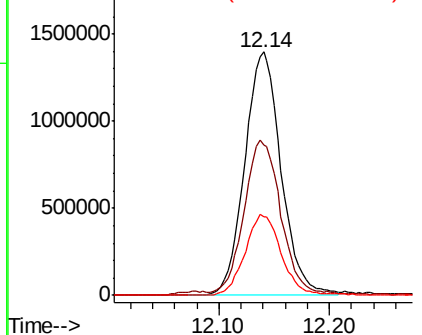
Tot Ion	Ratio	Lower	Upper
112	100		
77	61.0	52.2	78.4
114	32.5	31.1	38.1

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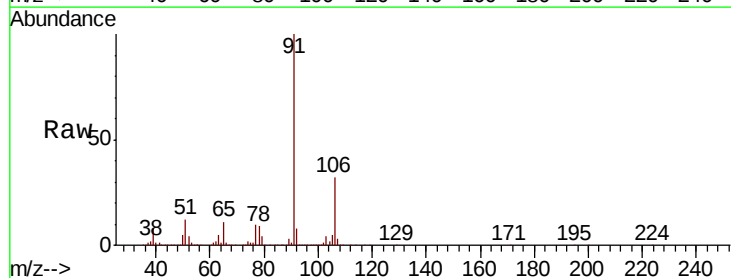


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

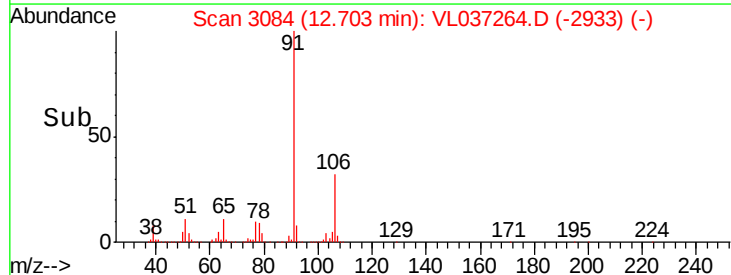
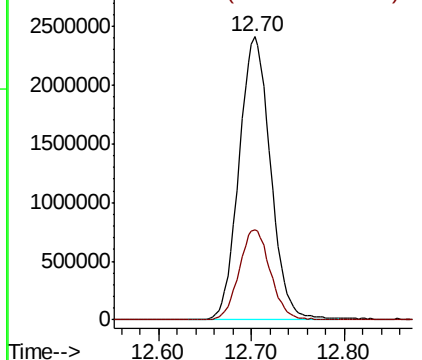


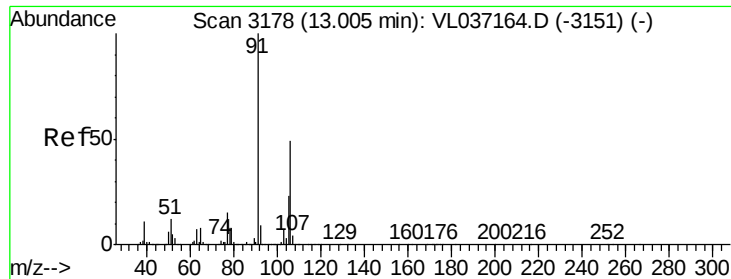
#58
Ethyl Benzene
Concen: 9.958 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. -0.02 min
Lab File: VL037264.D
Acq: 30 Jun 2021 00:45

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.0	26.3	39.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





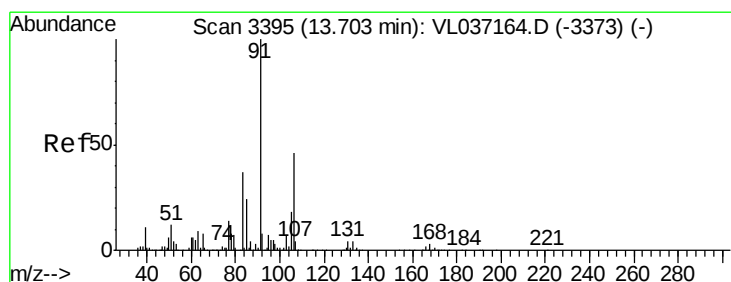
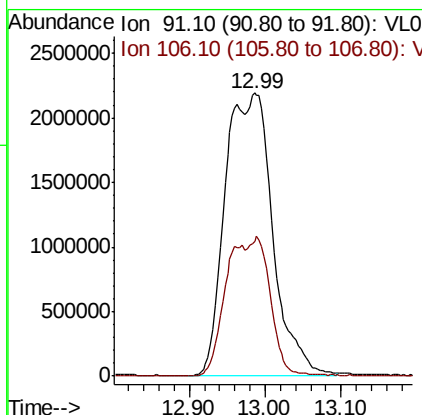
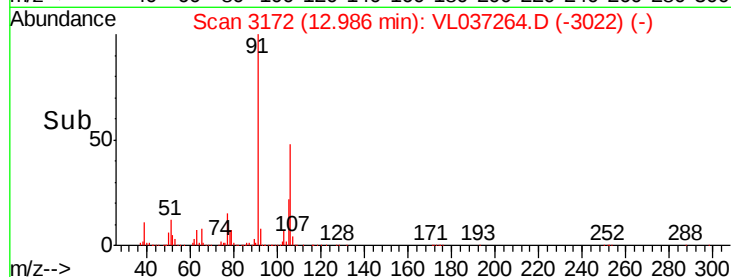
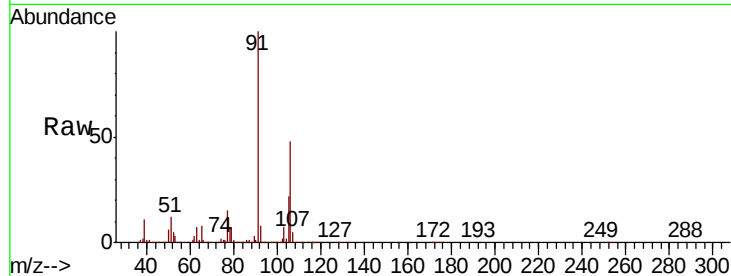
#59
m/p-Xylene
Concen: 19.727 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. -0.02 min
Lab File: VL037264.D
Acq: 30 Jun 2021 00:45

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS02

Tot Ion: 91 Resp: 9555650
Ion Ratio Lower Upper
91 100
106 45.4 37.0 55.4

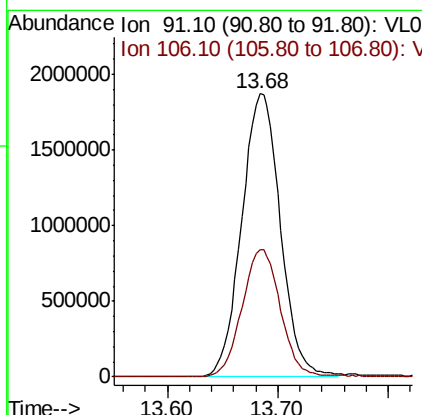
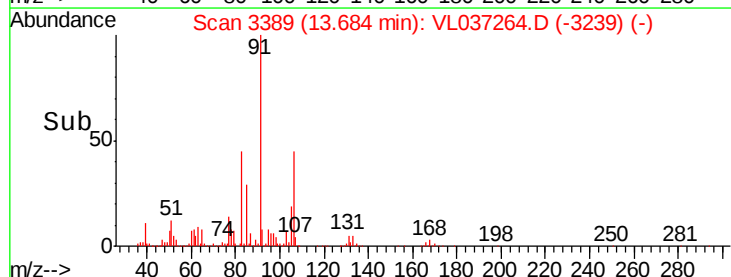
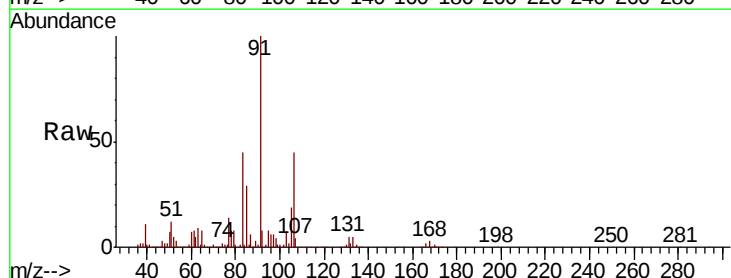
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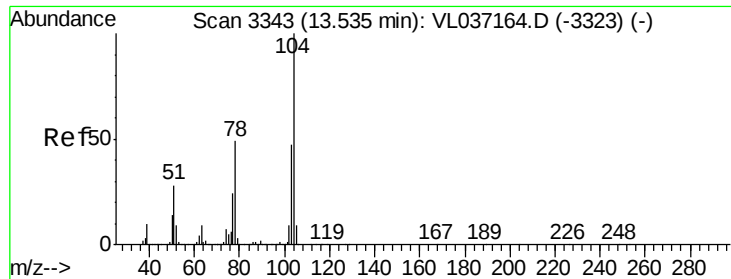
MMDadoda
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#60
o-Xylene
Concen: 9.856 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. -0.02 min
Lab File: VL037264.D
Acq: 30 Jun 2021 00:45

Tgt Ion: 91 Resp: 4546104
Ion Ratio Lower Upper
91 100
106 45.2 23.0 69.0





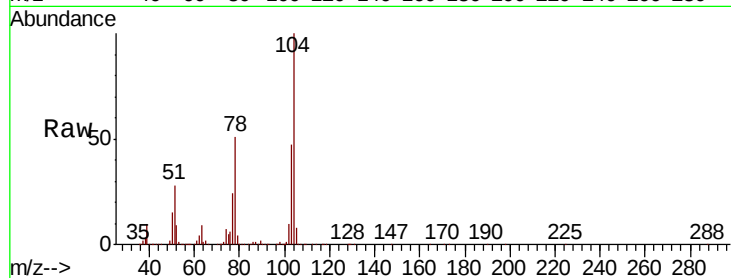
#61
Stvrene
Concen: 10.802 ppbv
RT: 13.52 min Scan# 3338
Delta R.T. -0.02 min
Lab File: VL037264.D
Acq: 30 Jun 2021 00:45

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS02

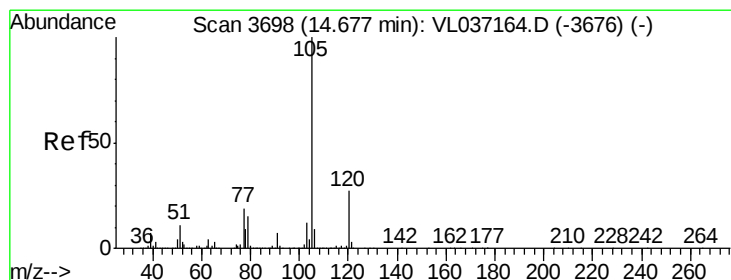
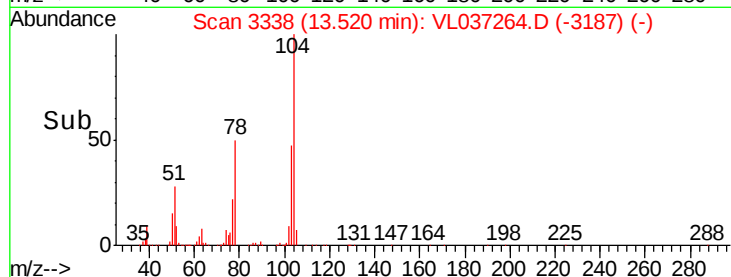
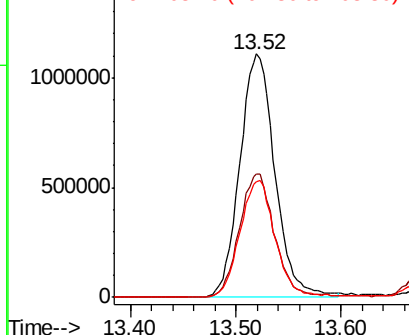
Tot Ion	Ratio	Lower	Upper
104	100		
78	51.1	39.7	59.5
103	48.3	37.6	56.4

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7/5/2021 3:39:13 PM

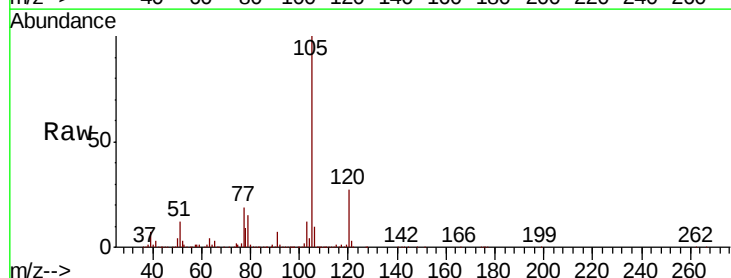


Abundance Ion 104.10 (103.80 to 104.80): V
1500000 Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

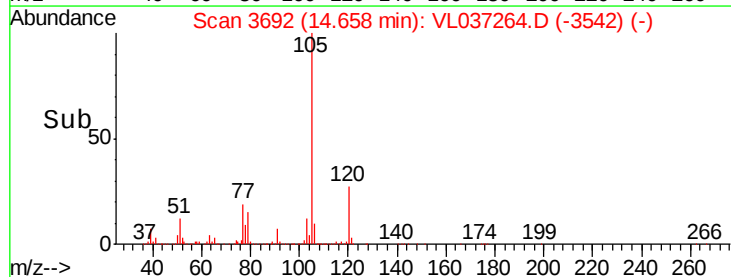
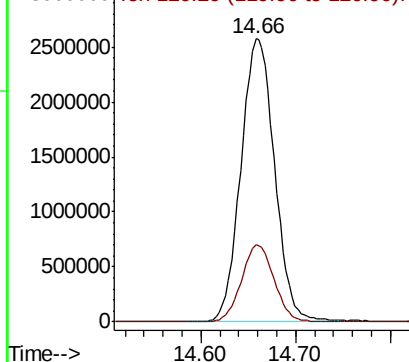


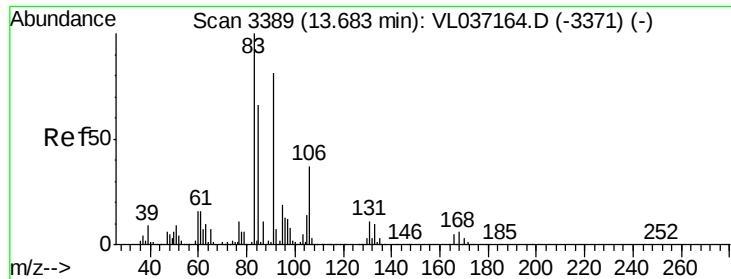
#62
Isopropylbenzene
Concen: 9.712 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. -0.02 min
Lab File: VL037264.D
Acq: 30 Jun 2021 00:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	21.6	32.4



Abundance Ion 105.10 (104.80 to 105.80): V
3000000 Ion 120.20 (119.90 to 120.90): V





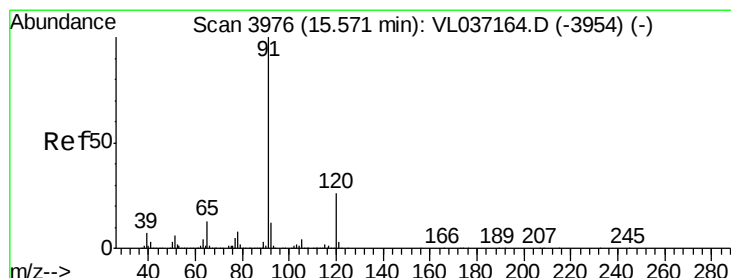
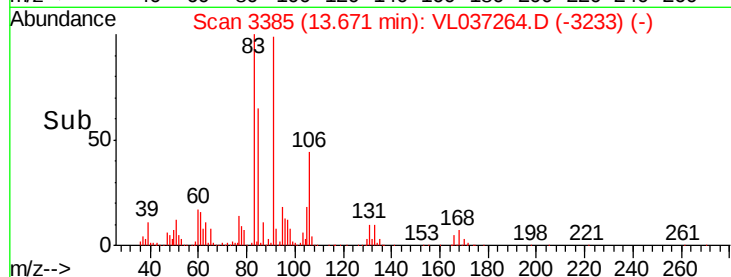
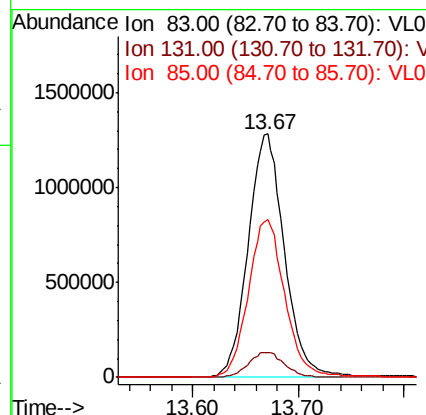
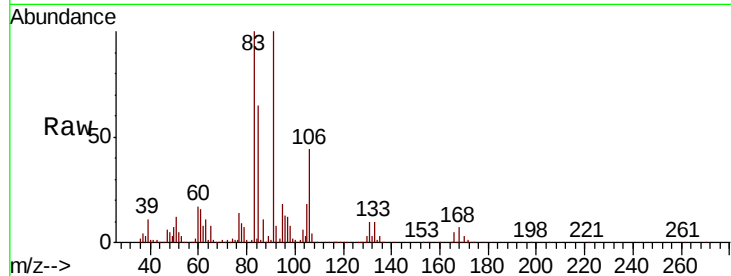
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.936 ppbv
 RT: 13.67 min Scan# 3385
 Delta R.T. -0.01 min
 Lab File: VL037264.D
 Acq: 30 Jun 2021 00:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS02

Tot Ion	83	Resp	3051490
Ion Ratio	100	Lower	Upper
83	100		
131	10.6	5.4	16.2
85	66.2	33.1	99.2

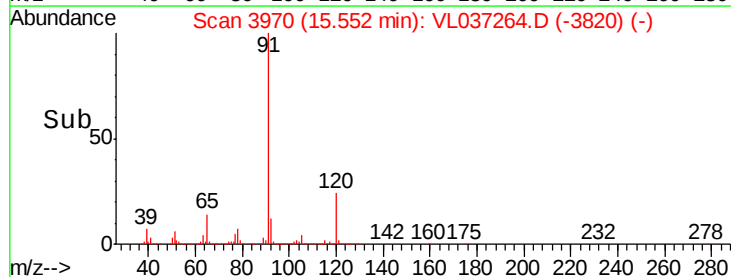
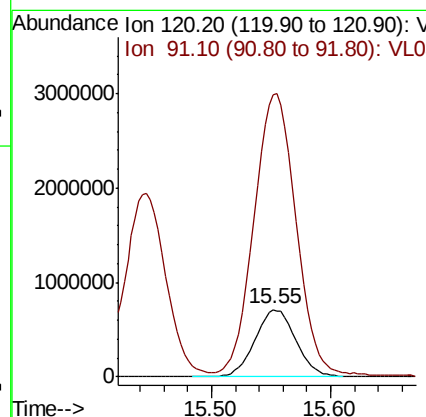
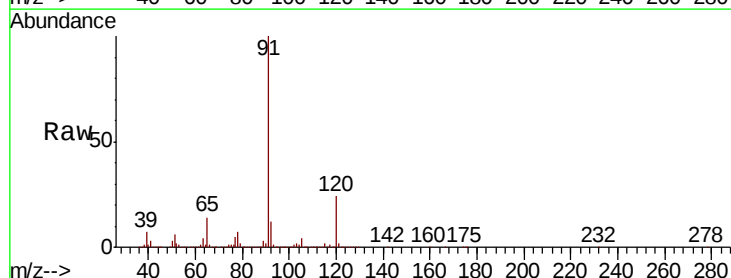
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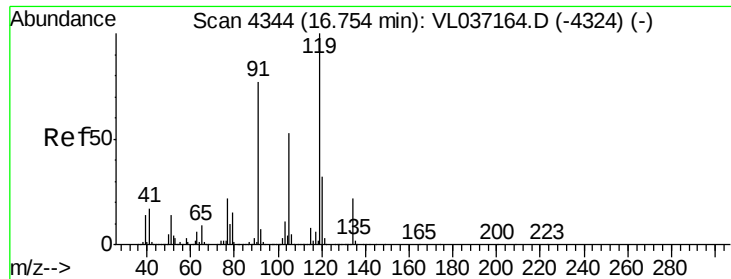
MMDadoda
 7/5/2021 3:39:13 PM



#64
 n-propylbenzene
 Concen: 10.287 ppbv
 RT: 15.55 min Scan# 3970
 Delta R.T. -0.02 min
 Lab File: VL037264.D
 Acq: 30 Jun 2021 00:45

Tgt Ion	120	Resp	1689666
Ion Ratio	100	Lower	Upper
120	100		
91	438.7	343.3	514.9





#65

tert-Butylbenzene

Concen: 9.834 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.02 min

Lab File: VL037264.D

Acq: 30 Jun 2021 00:45

Instrument :

MSVOA_L

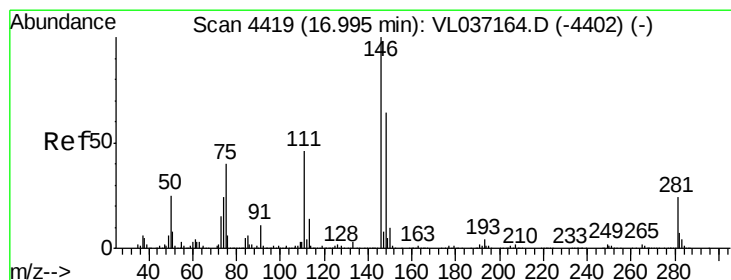
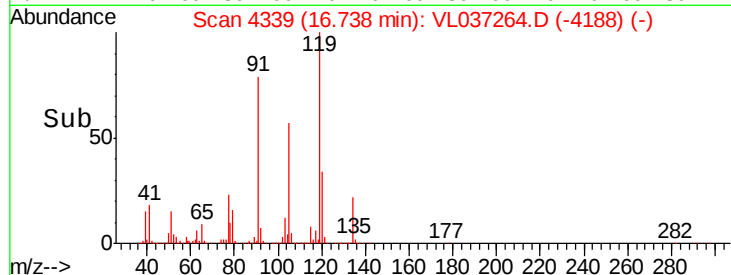
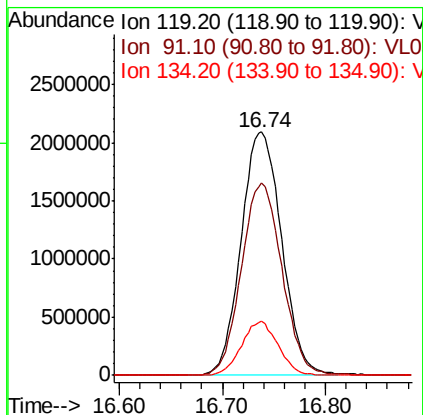
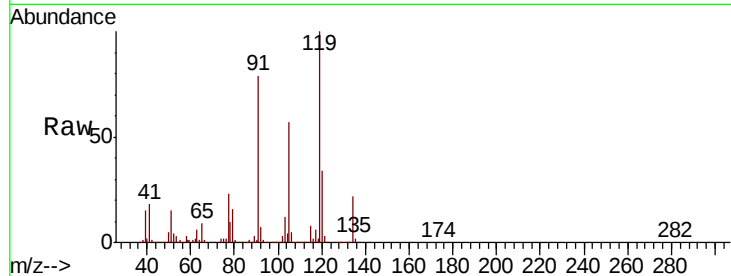
ClientSampleId :

VL0629ABS02

Tot Ion:	119	Resp:	5720631
Ion	Ratio	Lower	Upper
119	100		
91	79.4	62.6	93.8
134	20.3	16.2	24.4

Manual Integrations
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#66

Benzyl Chloride

Concen: 11.166 ppbv m

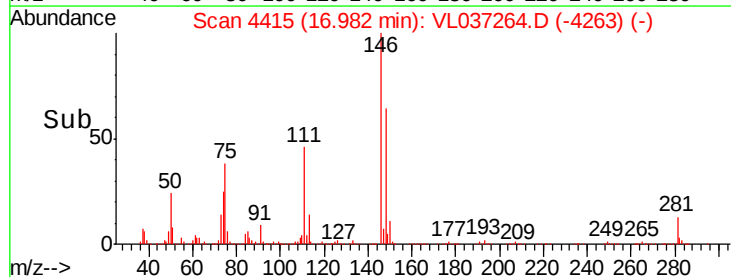
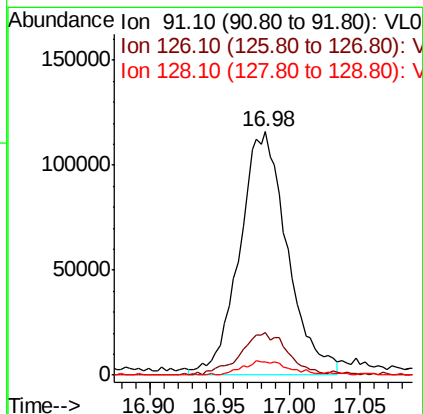
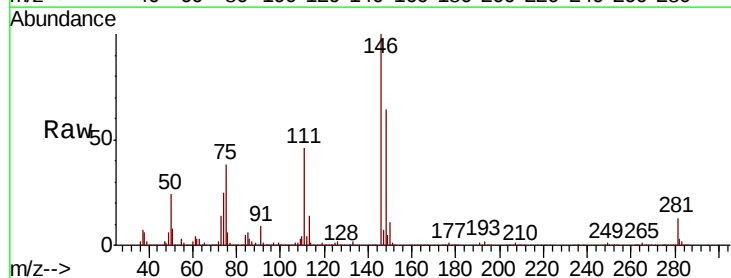
RT: 16.98 min Scan# 4415

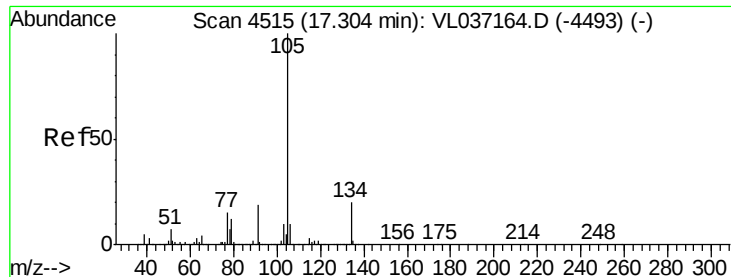
Delta R.T. -0.01 min

Lab File: VL037264.D

Acq: 30 Jun 2021 00:45

Tgt Ion:	91	Resp:	275243
Ion	Ratio	Lower	Upper
91	100		
126	0.0	15.5	23.3#
128	6.2	5.7	8.5





#67

sec-Butylbenzene

Concen: 9.860 ppbv

RT: 17.28 min Scan# 4509

Delta R.T. -0.02 min

Lab File: VL037264.D

Acq: 30 Jun 2021 00:45

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS02

Tot Ion: 105 Resp: 7648126

Ion Ratio Lower Upper

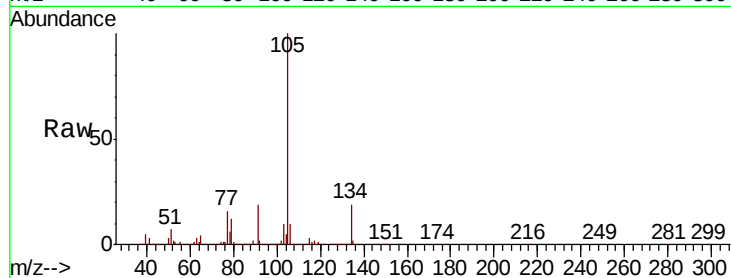
105 100

134 19.5 15.8 23.6

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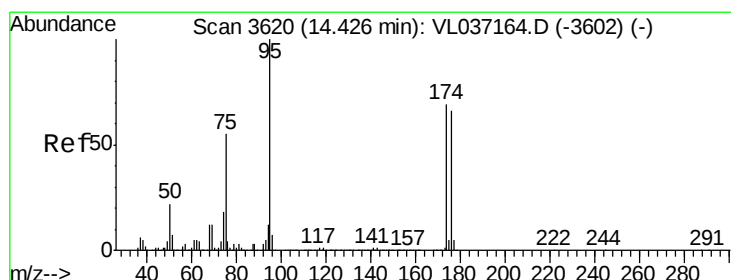
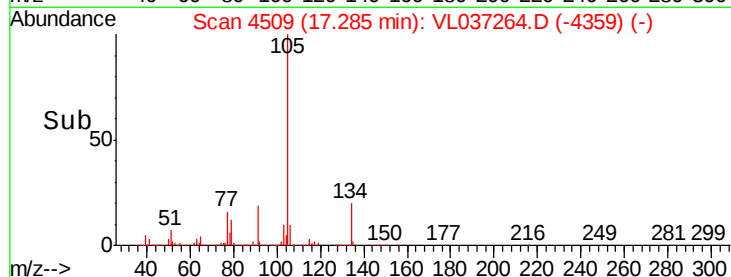
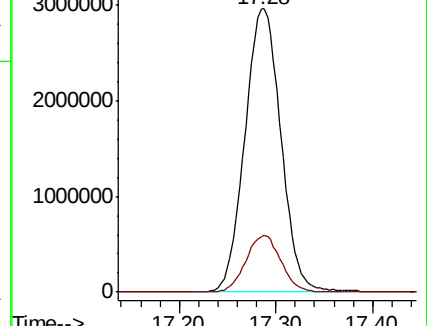
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 11.126 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.02 min

Lab File: VL037264.D

Acq: 30 Jun 2021 00:45

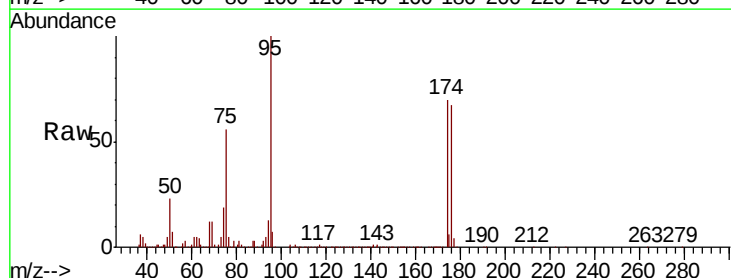
Tgt Ion: 95 Resp: 3500569

Ion Ratio Lower Upper

95 100

174 71.8 57.0 85.4

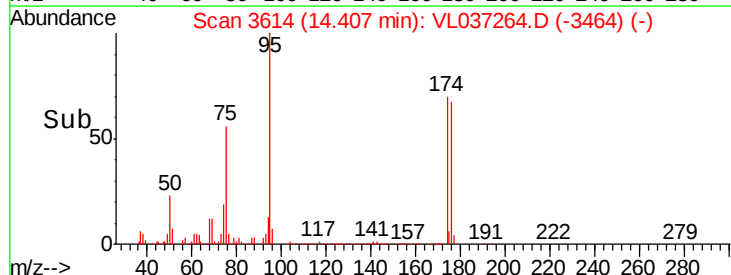
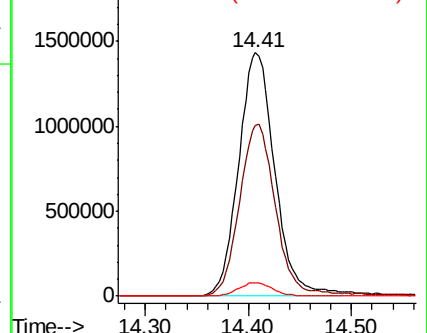
175 5.5 4.4 6.6

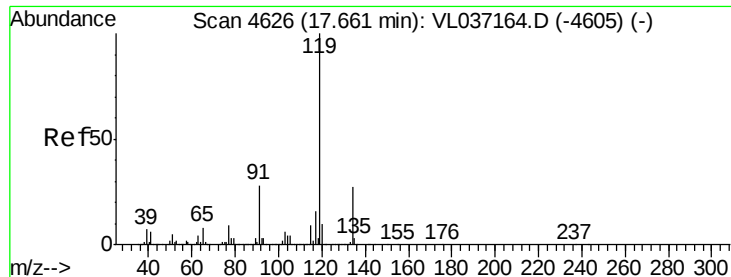


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





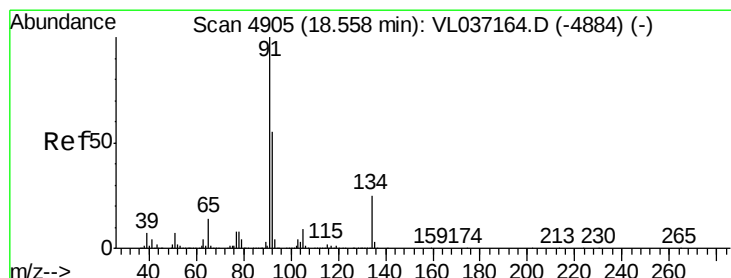
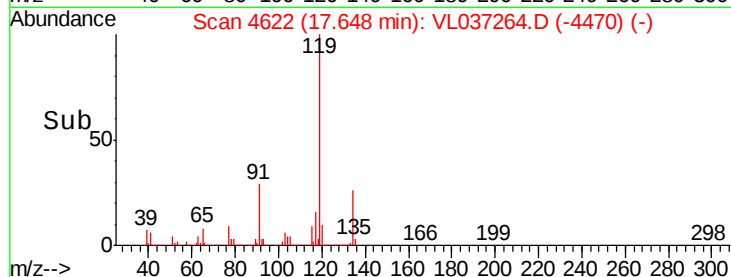
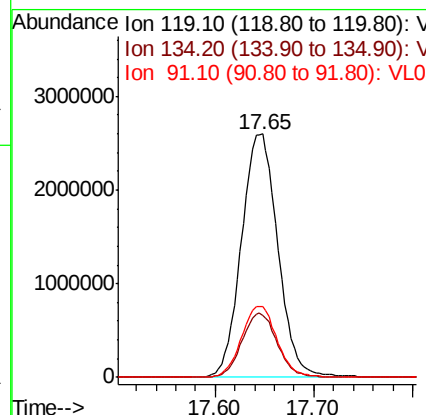
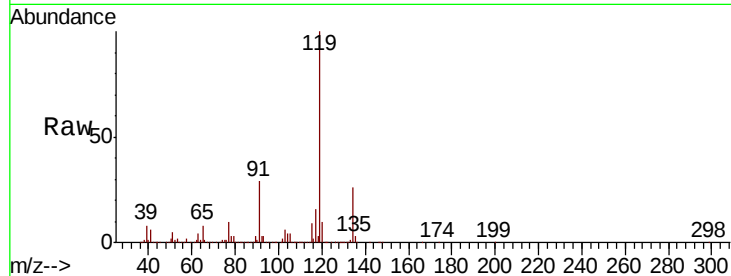
#69
 p-Isopropyltoluene
 Concen: 10.096 ppbv
 RT: 17.65 min Scan# 4622
 Delta R.T. -0.01 min
 Lab File: VL037264.D
 Acq: 30 Jun 2021 00:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS02

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.9	31.3
91	28.7	22.6	34.0

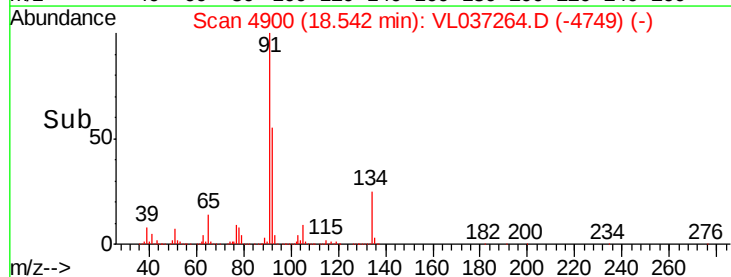
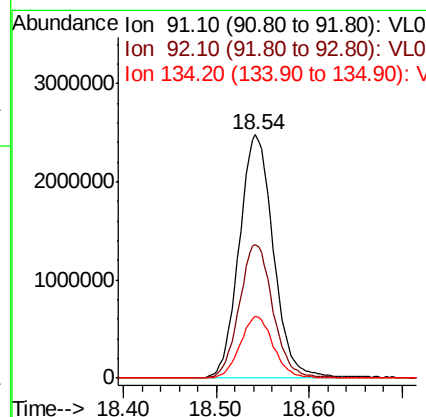
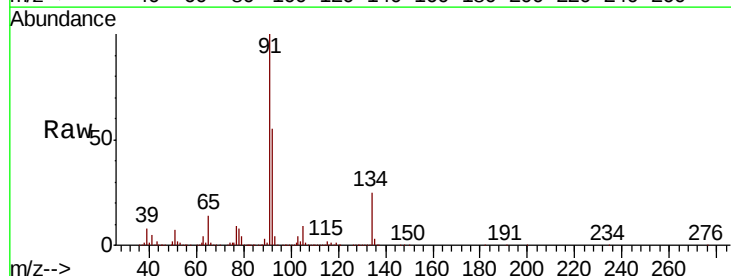
Manual Integrations
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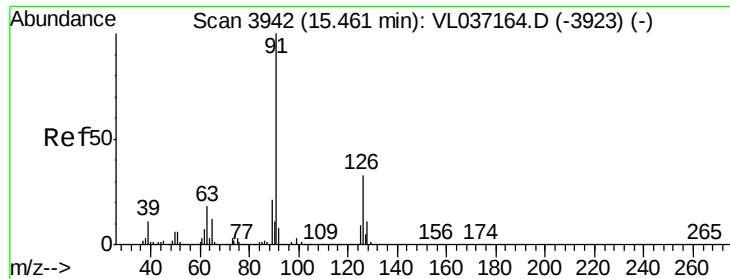
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 7/5/2021 3:39:13 PM



#70
 n-Butylbenzene
 Concen: 10.437 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T. -0.02 min
 Lab File: VL037264.D
 Acq: 30 Jun 2021 00:45

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	44.0	66.0
134	24.9	20.2	30.4





#71

2-Chlorotoluene

Concen: 10.179 ppbv

RT: 15.45 min Scan# 3937

Delta R.T. -0.02 min

Lab File: VL037264.D

Acq: 30 Jun 2021 00:45

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS02

Tot Ion: 91 Resp: 4667562

Ion Ratio Lower Upper

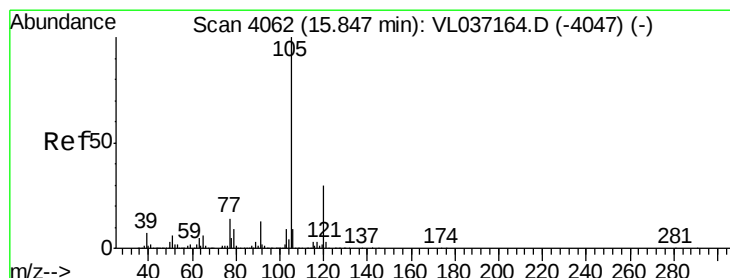
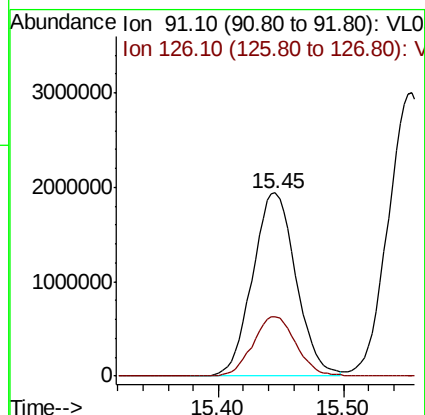
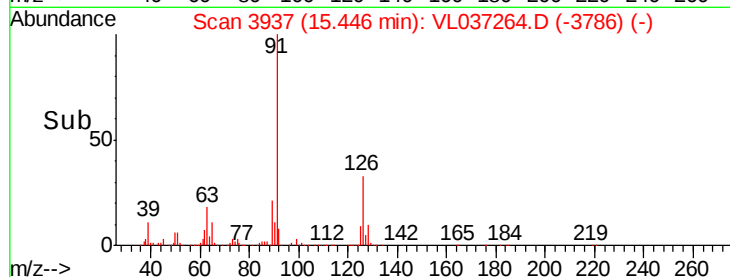
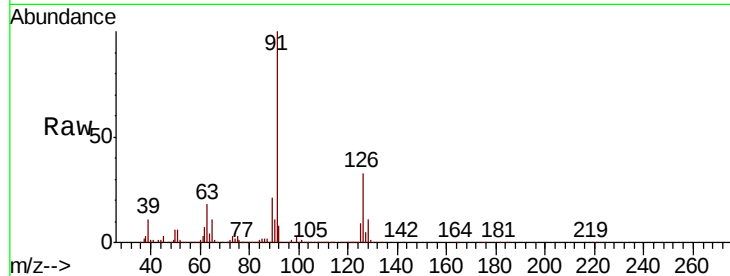
91 100

126 32.9 13.5 54.1

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#72

4-Ethyltoluene

Concen: 10.480 ppbv

RT: 15.83 min Scan# 4058

Delta R.T. -0.01 min

Lab File: VL037264.D

Acq: 30 Jun 2021 00:45

Tgt Ion:105 Resp: 5491392

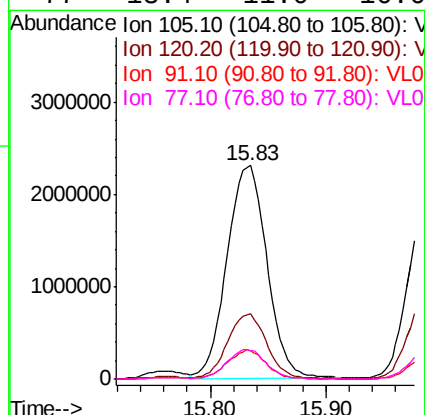
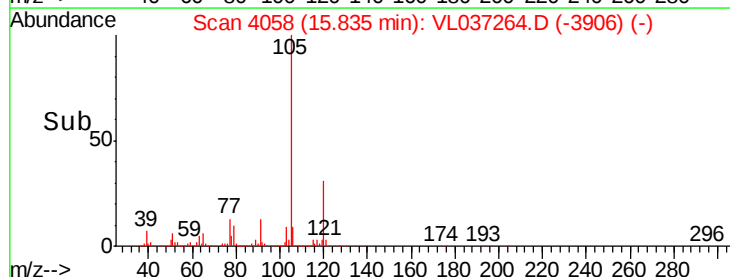
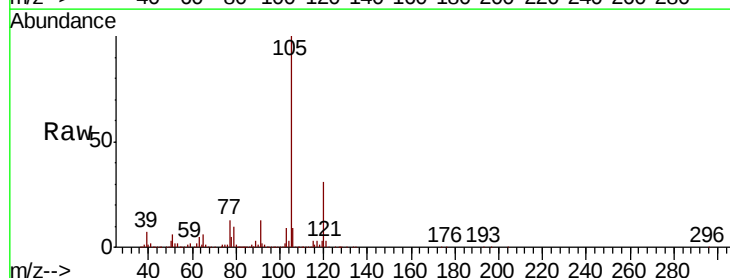
Ion Ratio Lower Upper

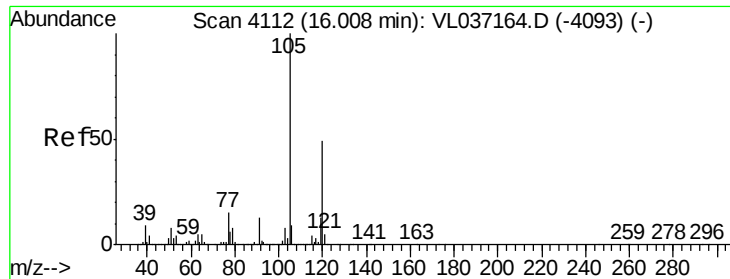
105 100

120 30.5 24.7 37.1

91 13.0 10.2 15.4

77 13.4 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 9.856 ppbv

RT: 15.99 min Scan# 4106

Delta R.T. -0.02 min

Lab File: VL037264.D

Acq: 30 Jun 2021 00:45

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS02

Tot Ion:105 Resp: 4991937

Ion Ratio Lower Upper

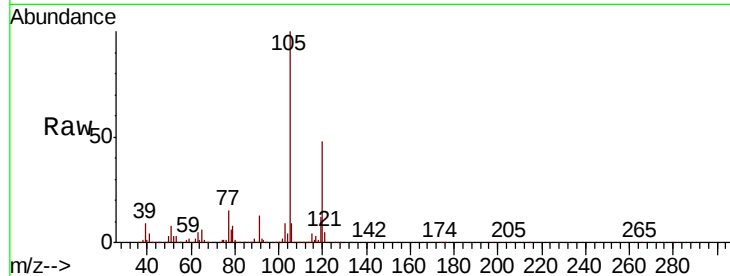
105 100

120 47.8 39.4 59.2

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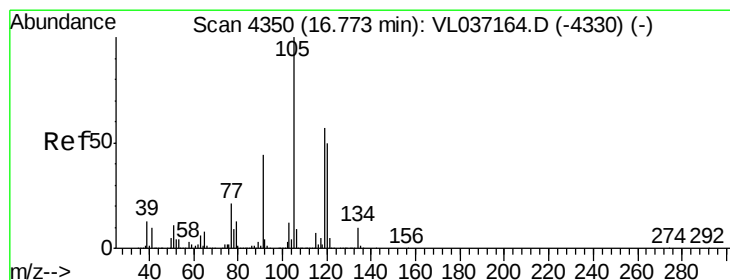
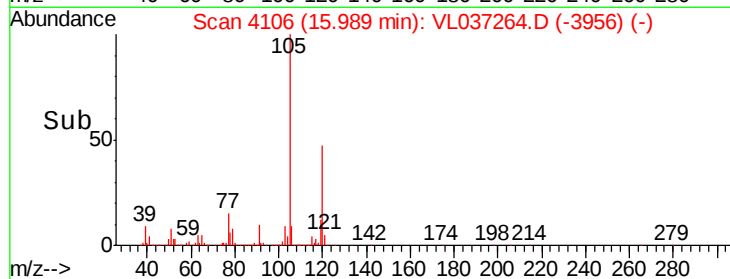
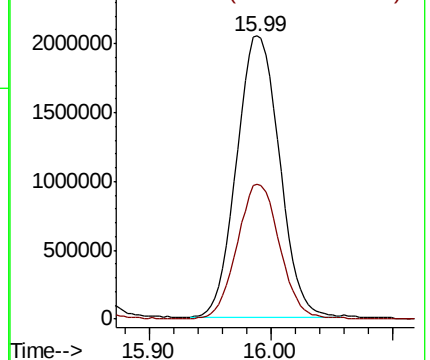
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.854 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. -0.02 min

Lab File: VL037264.D

Acq: 30 Jun 2021 00:45

Tgt Ion:105 Resp: 5142760

Ion Ratio Lower Upper

105 100

120 48.7 39.8 59.8

91 50.7 37.0 55.4

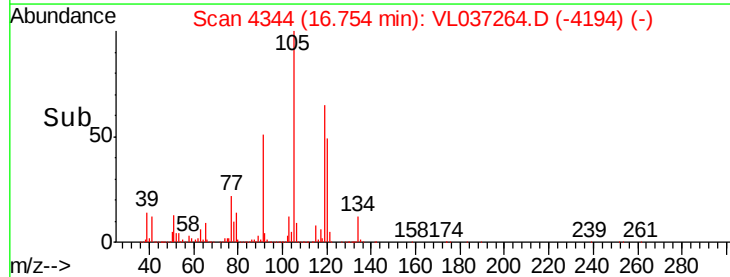
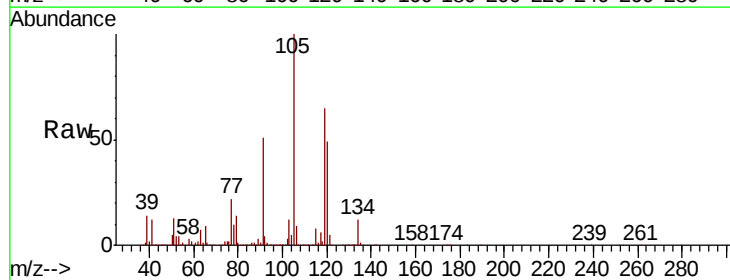
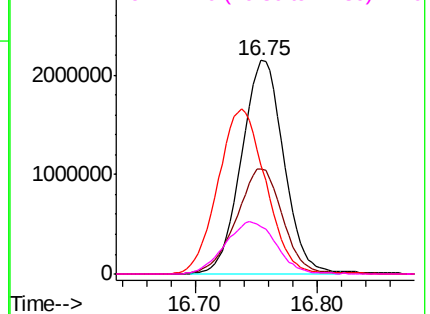
77 21.7 17.0 25.4

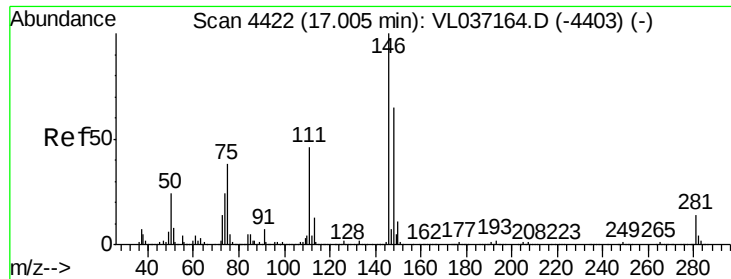
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 9.892 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. -0.02 min

Lab File: VL037264.D

Acq: 30 Jun 2021 00:45

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS02

Tot Ion:146 Resp: 3138886

Ion Ratio Lower Upper

146 100

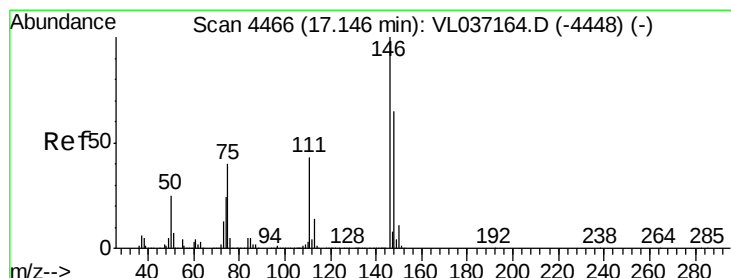
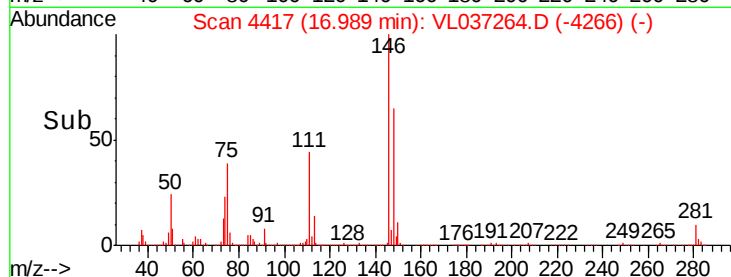
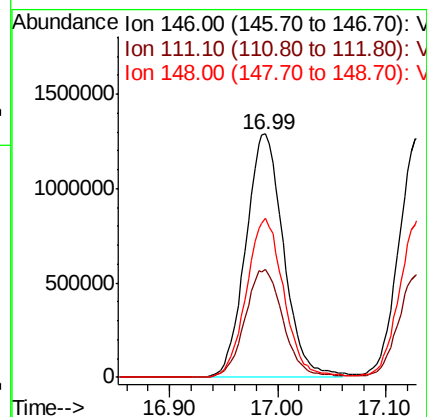
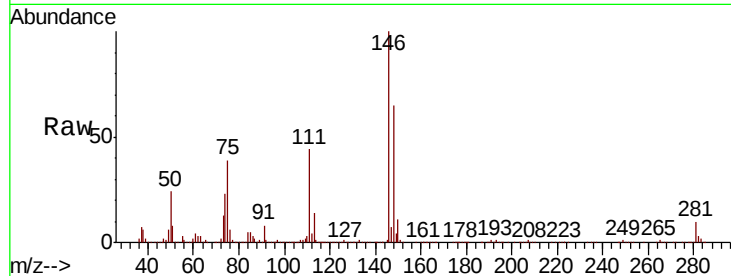
111 44.9 22.2 66.6

148 64.8 32.4 97.2

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 9.802 ppbv

RT: 17.13 min Scan# 4462

Delta R.T. -0.01 min

Lab File: VL037264.D

Acq: 30 Jun 2021 00:45

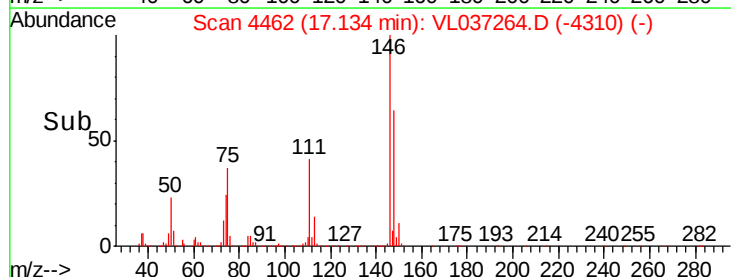
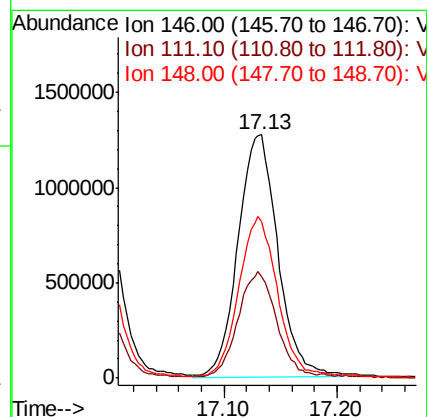
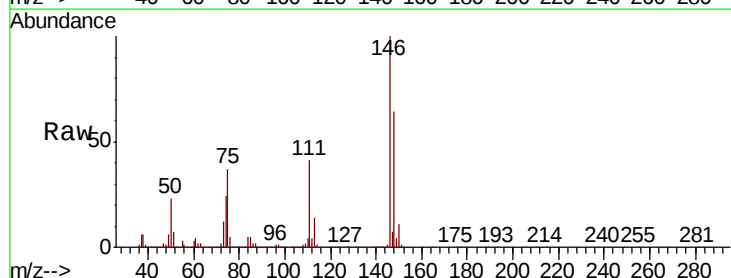
Tgt Ion:146 Resp: 3106548

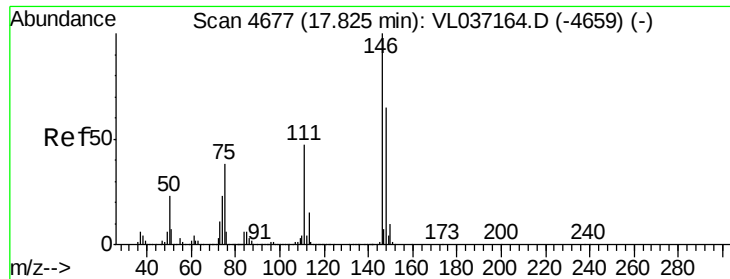
Ion Ratio Lower Upper

146 100

111 43.8 22.7 68.0

148 66.3 33.7 101.1





#77

1,2-Dichlorobenzene

Concen: 9.822 ppbv

RT: 17.81 min Scan# 4672

Delta R.T. -0.02 min

Lab File: VL037264.D

Acq: 30 Jun 2021 00:45

Instrument :

MSVOA_L

ClientSampleId :

VL0629ABS02

Tot Ion:146 Resp: 3014955

Ion Ratio Lower Upper

146 100

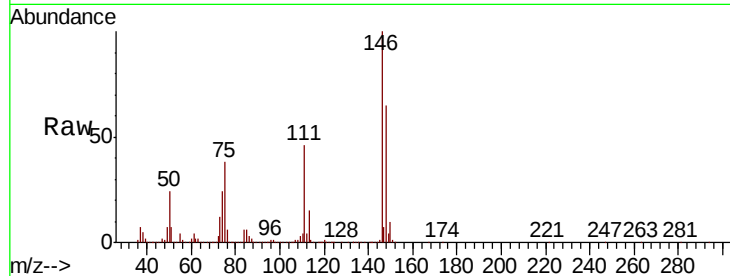
111 46.4 23.3 69.8

148 64.7 32.4 97.0

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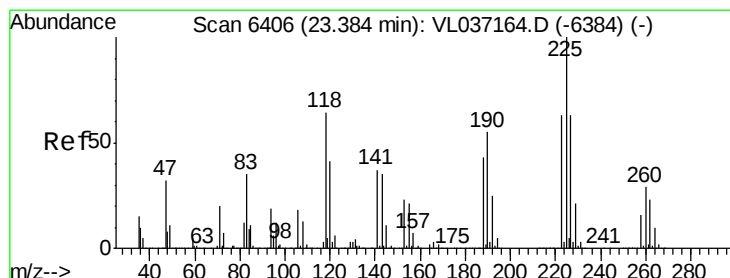
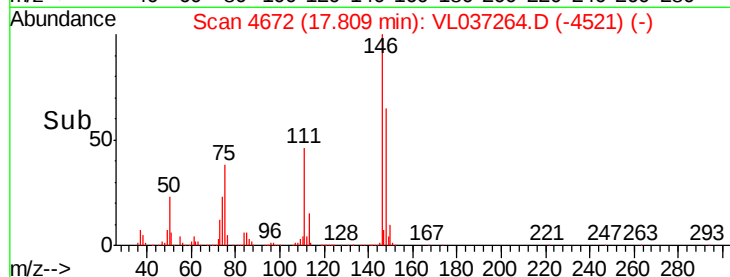
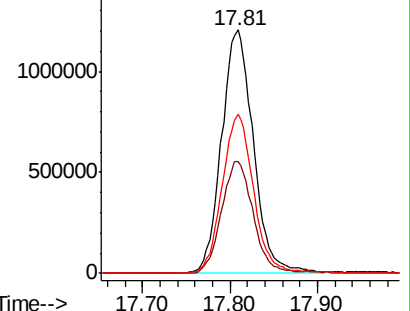
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.342 ppbv

RT: 23.37 min Scan# 6401

Delta R.T. -0.02 min

Lab File: VL037264.D

Acq: 30 Jun 2021 00:45

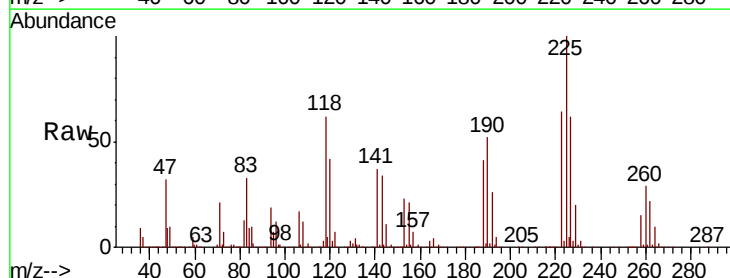
Tgt Ion:225 Resp: 1937751

Ion Ratio Lower Upper

225 100

223 65.3 51.8 77.8

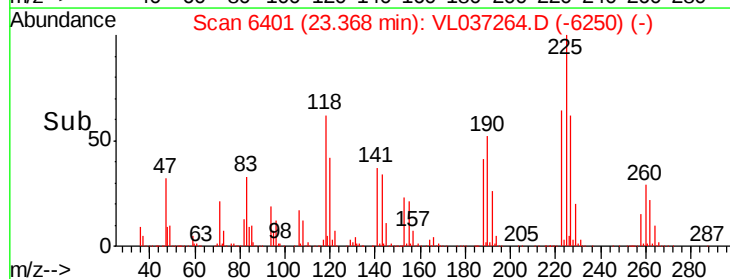
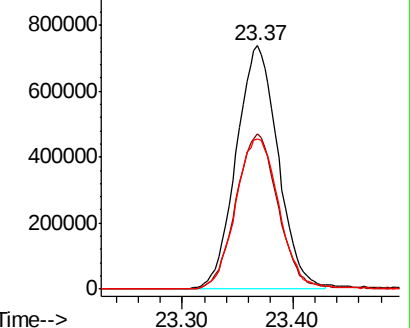
227 65.0 51.4 77.0

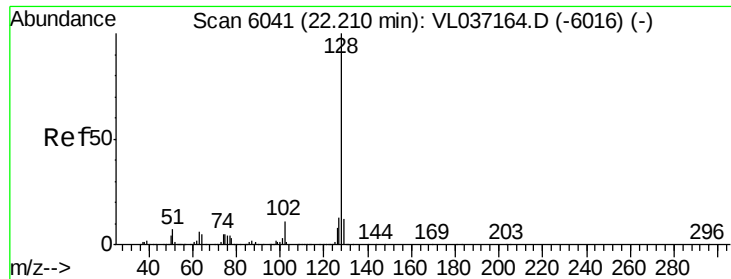


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





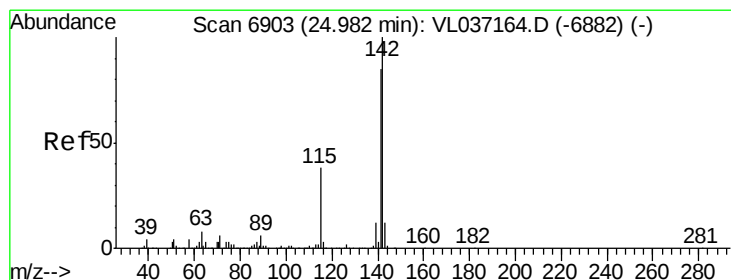
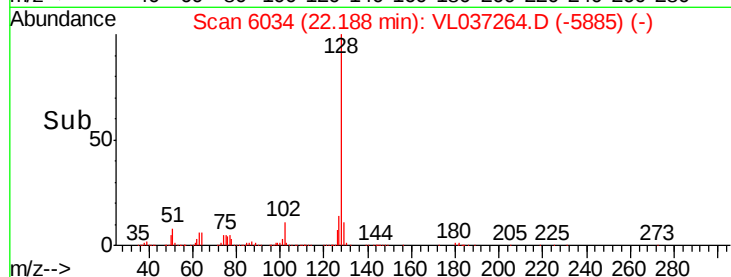
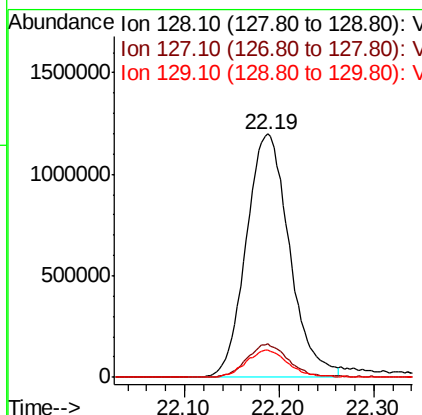
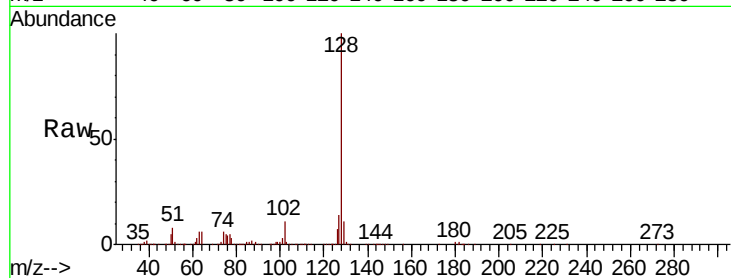
#79
Naphthalene
Concen: 8.728 ppbv
RT: 22.19 min Scan# 6034
Delta R.T. -0.02 min
Lab File: VL037264.D
Acq: 30 Jun 2021 00:45

Instrument :
MSVOA_L
ClientSampleId :
VL0629ABS02

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

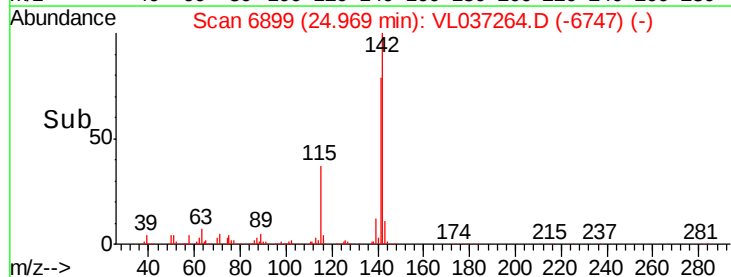
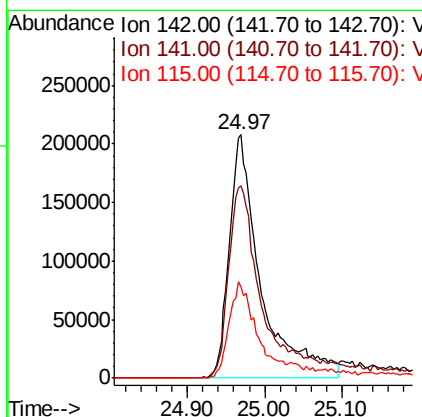
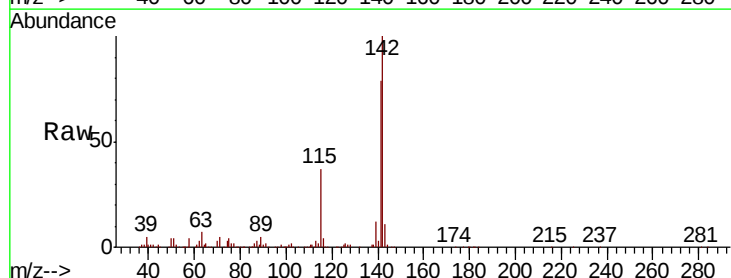
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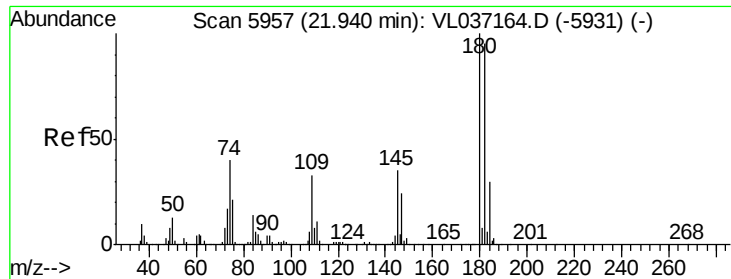
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#80
Naphthalene, 2-methyl-
Concen: 5.153 ppbv
RT: 24.97 min Scan# 6899
Delta R.T. -0.01 min
Lab File: VL037264.D
Acq: 30 Jun 2021 00:45

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.7	63.7	95.5
115	38.6	30.6	45.8





#81
 1,2,4-Trichlorobenzene
 Concen: 8.952 ppbv
 RT: 21.92 min Scan# 5950
 Delta R.T. -0.02 min
 Lab File: VL037264.D
 Acq: 30 Jun 2021 00:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.9	79.3	118.9
184	31.5	24.7	37.1

Manual Integrations
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