

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061721\
 Data File : VL037197.D
 Acq On : 17 Jun 2021 12:10
 Operator : SY/AP
 Sample : VL0617ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0617ABS01

Manual Integrations
 APPROVED

MMDadoda
 6/21/2021 12:53:51 PM

Quant Time: Jun 18 01:59:57 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	5.67	49	1431285	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4304262	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3902132m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3096268	10.47	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	2509719	10.082	ppbv 97
3) Chlorodifluoromethane	2.99	51	2630711	9.452	ppbv 99
4) Chloromethane	3.14	50	897653	9.678	ppbv 97
5) Vinyl Chloride	3.26	62	983256	9.646	ppbv 98
6) Bromomethane	3.47	94	590160	9.704	ppbv 96
7) Chloroethane	3.56	64	349814	9.600	ppbv 100
8) Dichlorotetrafluoroethane	3.19	85	2513894	9.845	ppbv 99
9) Propene	3.01	41	839942	9.439	ppbv 100
10) Heptane	8.12	43	2156823	10.008	ppbv 100
11) Trichlorofluoromethane	3.95	101	2659135	10.012	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1853753	9.901	ppbv 100
13) Ethanol	3.62	45	100129m	7.274	ppbv
14) Bromoethene	3.74	108	773232	9.895	ppbv 98
15) Acetone	3.85	43	1322513	8.194	ppbv 98
16) 1,3-Butadiene	3.33	39	968098	10.146	ppbv 100
17) tert-Butyl alcohol	4.29	59	1430251	9.588	ppbv 100
18) 1,1-Dichloroethene	4.29	96	836142	10.078	ppbv 96
19) Isopropyl Alcohol	3.97	45	789818	8.079	ppbv 98
20) Methylene Chloride	4.34	84	684238	7.081	ppbv 97
21) Allyl Chloride	4.41	41	1238037	10.176	ppbv 99
22) trans-1,2-Dichloroethene	4.89	96	824842	10.047	ppbv 96
23) Vinyl Acetate	5.07	43	2360916	10.201	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1838699	9.868	ppbv 99
25) Ethyl Acetate	5.68	43	3397257	9.723	ppbv 100
26) Hexane	5.69	57	1634660	9.256	ppbv 99
27) Carbon Disulfide	4.55	76	1940341	11.214	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	2138475	10.072	ppbv 100
29) Chloroform	5.75	83	2666319	9.774	ppbv 96
30) Cyclohexane	7.13	84	1456846	9.901	ppbv 97
31) cis-1,2-Dichloroethene	5.55	61	1662568	10.245	ppbv 99
32) 1,1,1-Trichloroethane	6.51	97	2779225	9.520	ppbv 100
34) 2-Butanone	5.25	43	1587738	9.485	ppbv 99
35) Carbon Tetrachloride	7.02	117	2982115	10.330	ppbv 98
36) Benzene	6.89	78	3402385	9.775	ppbv 99
37) 1,2-Dichloroethane	6.31	62	2021013	9.996	ppbv 100
38) Trichloroethene	7.83	130	1441150	8.711	ppbv 98
39) 1,2-Dichloropropane	7.62	63	1291667	9.987	ppbv 98
40) 1,4-Dioxane	7.83	88	327411	9.231	ppbv 75
41) Tetrahydrofuran	6.05	42	794212	10.214	ppbv 99
42) Bromodichloromethane	7.79	83	2838228	10.175	ppbv 98
43) Methyl Methacrylate	8.01	69	1235455	10.278	ppbv 98

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Manual Integrations
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MMDadoda
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 1
 QLast Update : Wed Jun 16 14:06:32 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5625854	9.599	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1267559	11.952	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1607670	11.082	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1458879	9.887	ppbv	98
48) Dibromochloromethane	10.30	129	2585490	11.101	ppbv	99
49) Bromoform	13.04	173	2109663	12.157	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2376984	10.338	ppbv	100
51) 2-Hexanone	10.14	43	1210382	10.819	ppbv	99
52) Tetrachloroethene	11.22	164	1428728	8.834	ppbv	97
53) Toluene	9.81	91	4100985	9.864	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2178638	10.274	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1766371	10.353	ppbv	98
57) Chlorobenzene	12.15	112	3114573	9.842	ppbv	98
58) Ethyl Benzene	12.71	91	5455618	10.156	ppbv	98
59) m/p-Xylene	13.00	91	9233771m	20.284	ppbv	
60) o-Xylene	13.69	91	4367155	10.075	ppbv	100
61) Styrene	13.53	104	2502458	11.186	ppbv	98
62) Isopropylbenzene	14.67	105	6130176	9.945	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2965389	10.274	ppbv	100
64) n-propylbenzene	15.56	120	1649072	10.683	ppbv	98
65) tert-Butylbenzene	16.74	119	5614801	10.271	ppbv	100
66) Benzyl Chloride	16.99	91	273815	11.820	ppbv	98
67) sec-Butylbenzene	17.29	105	7489570	10.274	ppbv	100
69) p-Isopropyltoluene	17.65	119	6548538	10.635	ppbv	100
70) n-Butylbenzene	18.55	91	6161053	10.811	ppbv	100
71) 2-Chlorotoluene	15.45	91	4494571	10.430	ppbv	99
72) 4-Ethyltoluene	15.84	105	5342192	10.849	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4839874	10.168	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	5082755	10.363	ppbv	99
75) 1,3-Dichlorobenzene	17.00	146	3145793	10.549	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	3098054	10.401	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	3035463	10.522	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	1998656	8.058	ppbv	99
79) Naphthalene	22.20	128	3909578	9.561	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	964028	8.989	ppbv	96
81) 1,2,4-Trichlorobenzene	21.93	180	2211803	9.373	ppbv	98

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

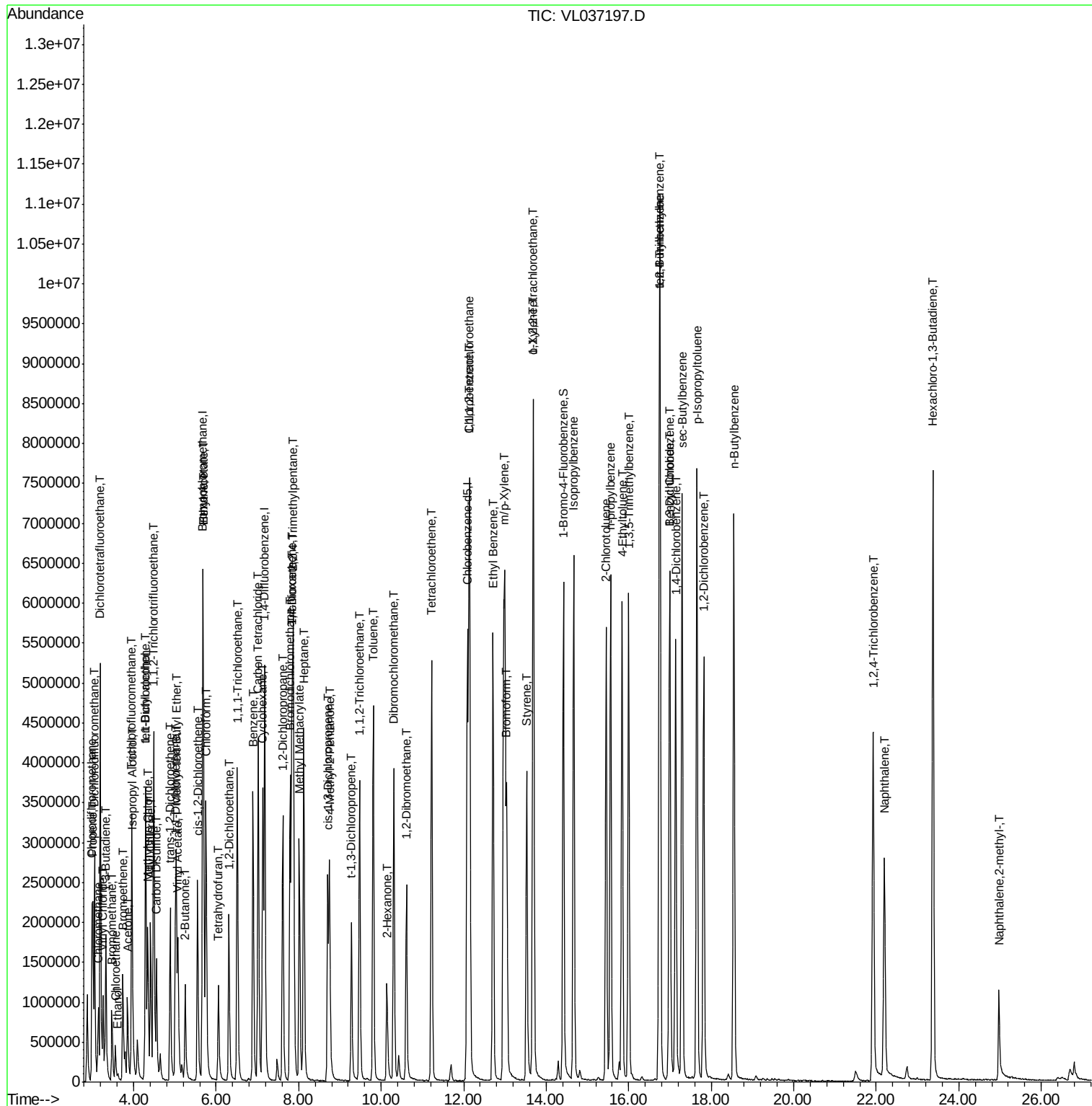
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Sample    : VL0617ABS01  
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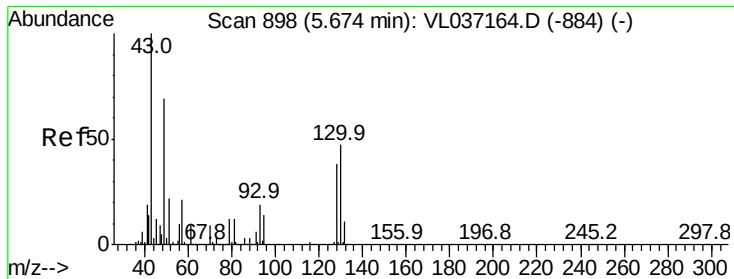
Instrument :
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ClientSampleId :
VL0617ABS01

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QLast Update : Wed Jun 16 14:06:32 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

Tot Ion: 49 Resp: 1431285

Ion Ratio Lower Upper

49 100

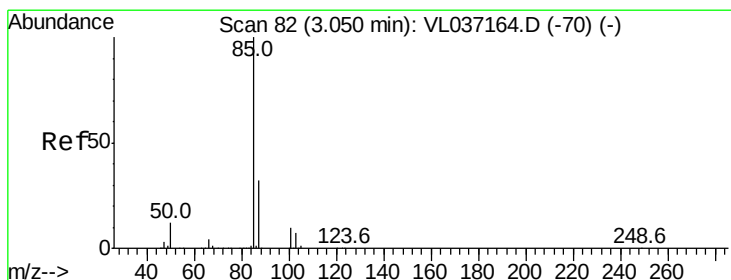
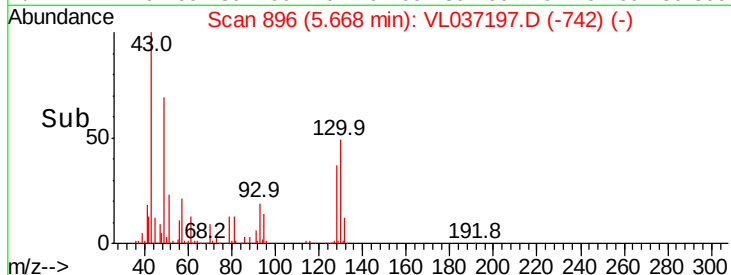
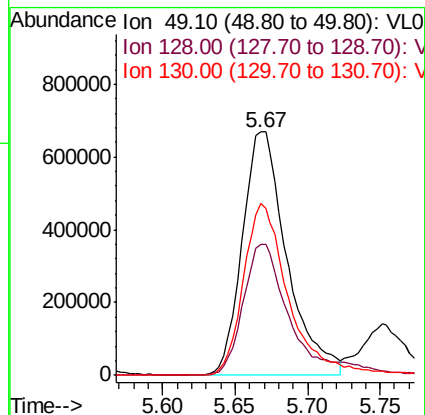
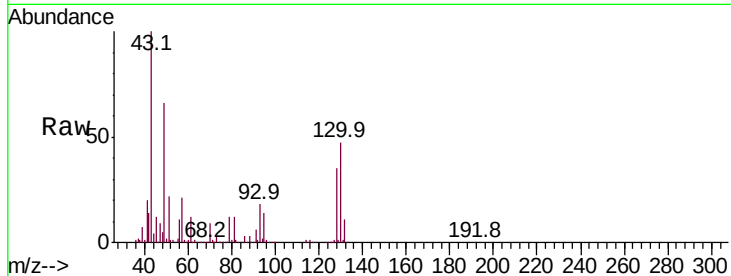
128 58.2 29.3 88.0

130 72.5 35.9 107.8

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 10.082 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL037197.D

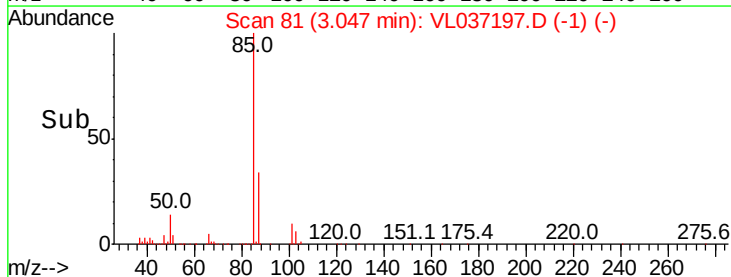
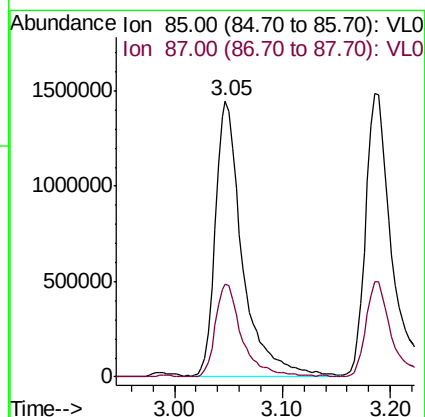
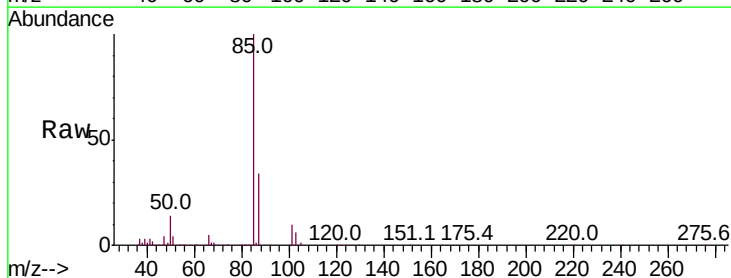
Acq: 17 Jun 2021 12:10

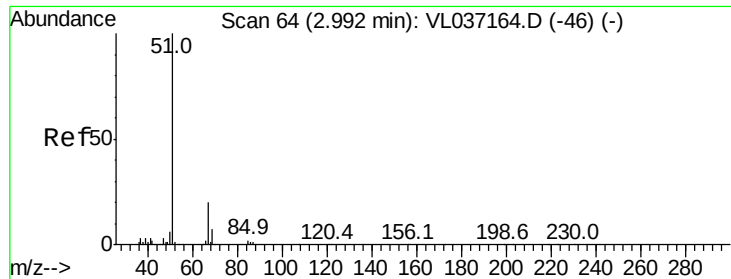
Tgt Ion: 85 Resp: 2509719

Ion Ratio Lower Upper

85 100

87 33.6 25.8 38.6





#3

Chlorodifluoromethane

Concen: 9.452 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

Tot Ion: 51 Resp: 2630711

Ion Ratio Lower Upper

51 100

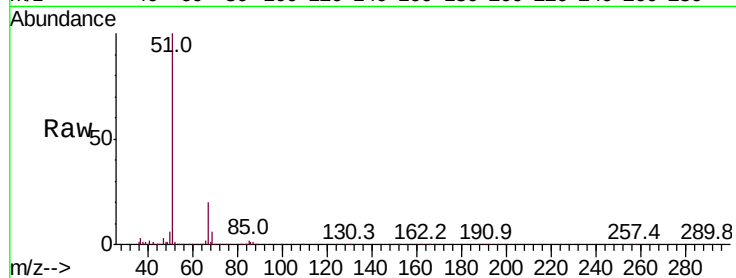
67 19.9 15.8 23.6

Manual Integrations

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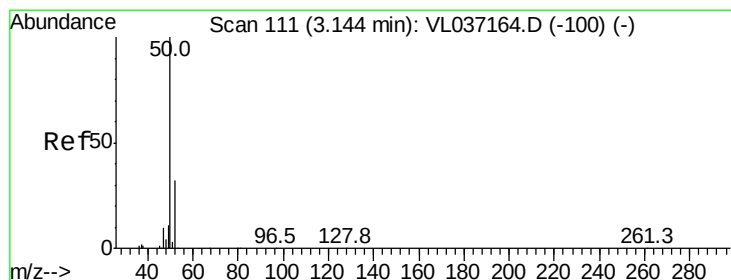
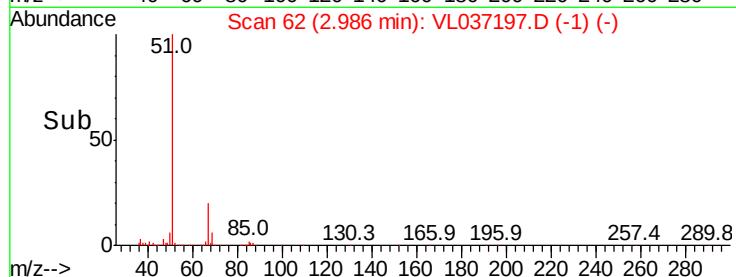
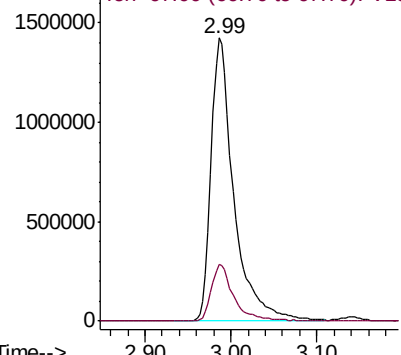
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.678 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL037197.D

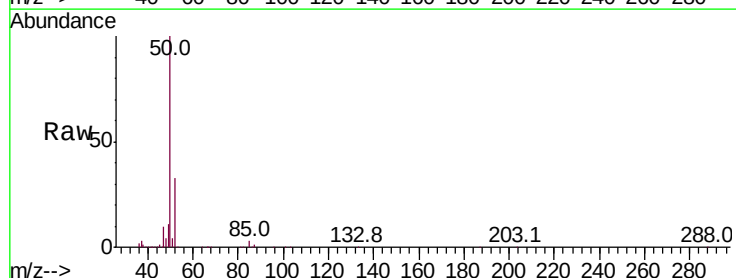
Acq: 17 Jun 2021 12:10

Tgt Ion: 50 Resp: 897653

Ion Ratio Lower Upper

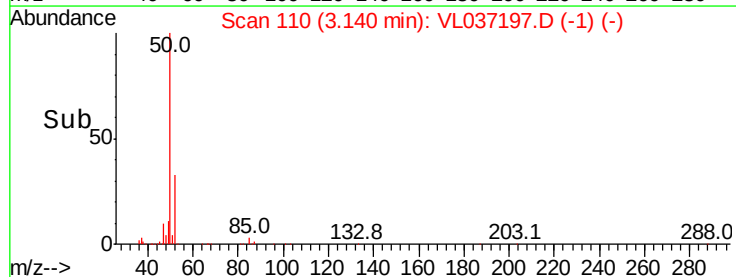
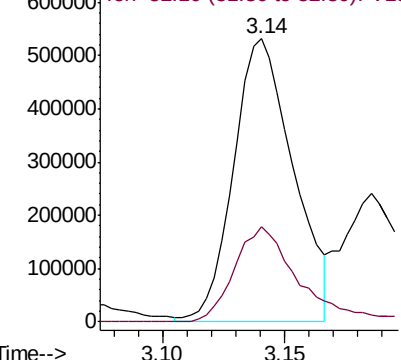
50 100

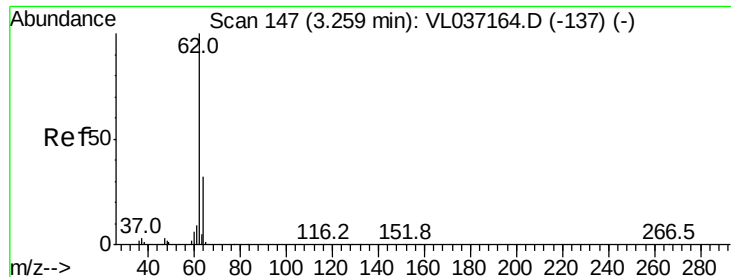
52 34.0 25.8 38.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.646 ppbv

RT: 3.26 min Scan# 146

Delta R.T. -0.00 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

Tot Ion: 62 Resp: 983256

Ion Ratio Lower Upper

62 100

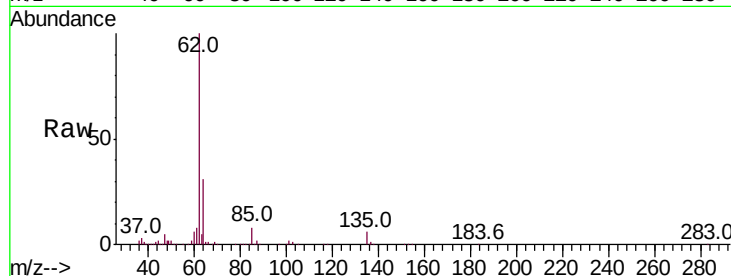
64 30.9 25.6 38.4

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.26

600000

500000

400000

300000

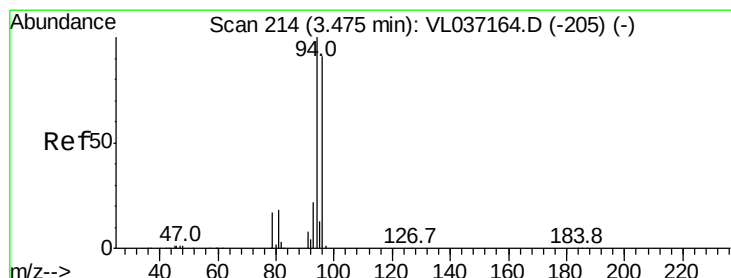
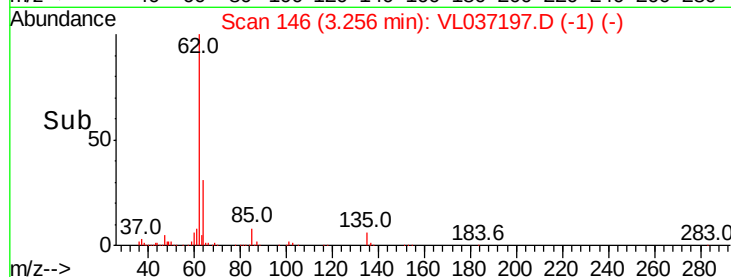
200000

100000

0

3.20 3.25 3.30 3.35

Time-->



#6

Bromomethane

Concen: 9.704 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL037197.D

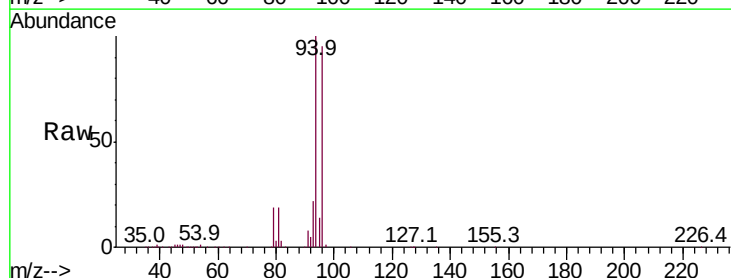
Acq: 17 Jun 2021 12:10

Tgt Ion: 94 Resp: 590160

Ion Ratio Lower Upper

94 100

96 94.6 72.6 108.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

300000

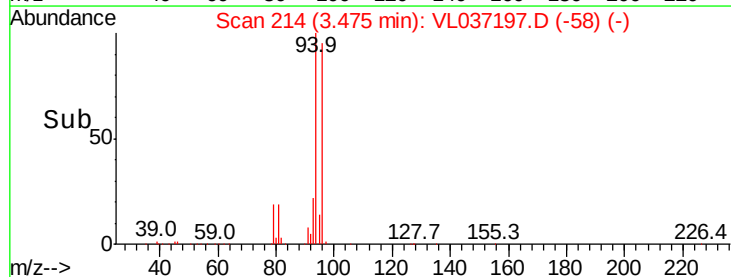
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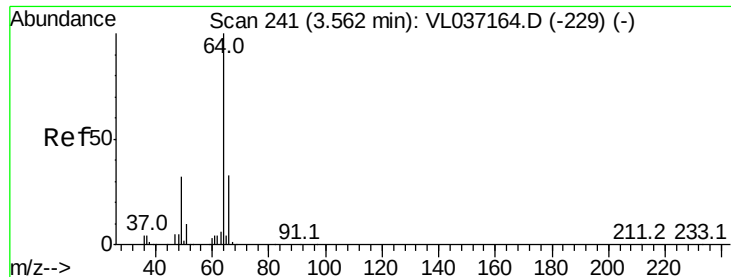
100000

0

3.40 3.45 3.50 3.55

Time-->





#7

Chloroethane

Concen: 9.600 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

Tot Ion: 64 Resp: 349814

Ion Ratio Lower Upper

64 100

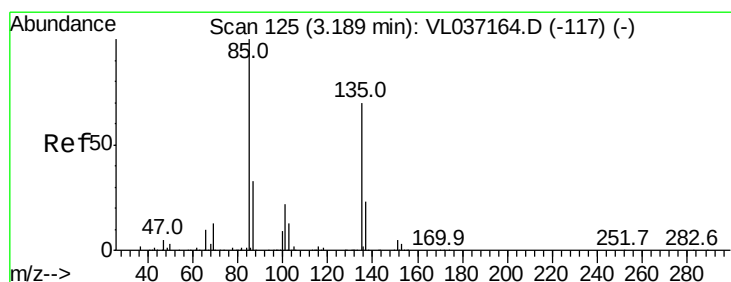
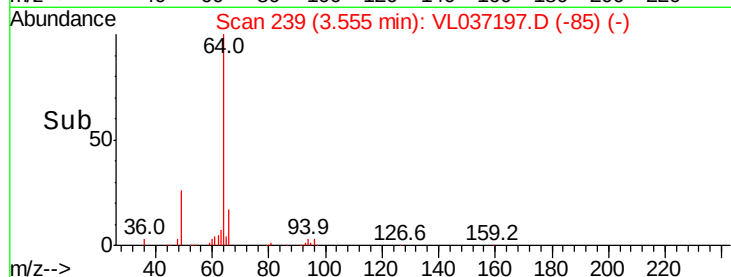
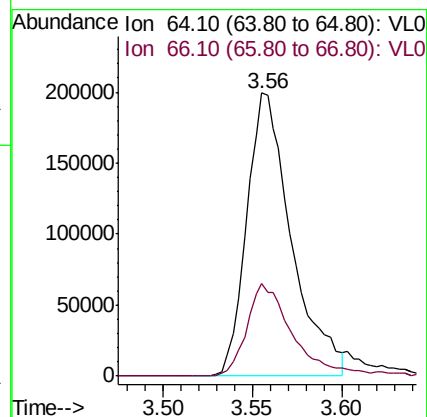
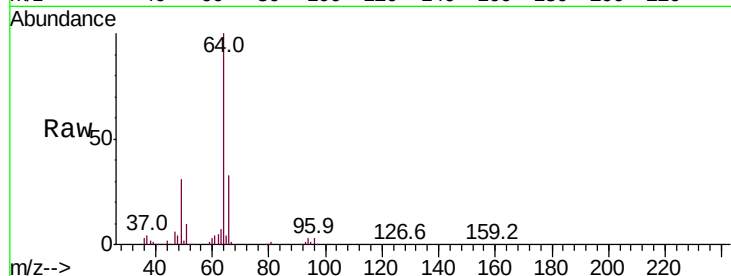
66 32.7 26.2 39.4

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.845 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.00 min

Lab File: VL037197.D

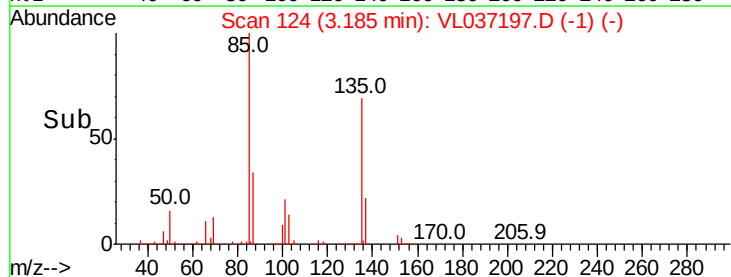
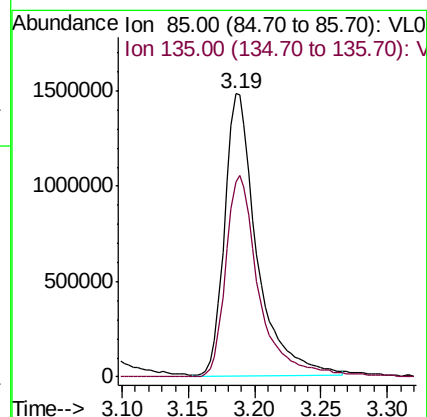
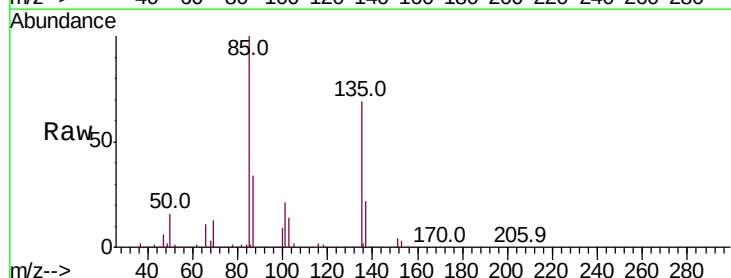
Acq: 17 Jun 2021 12:10

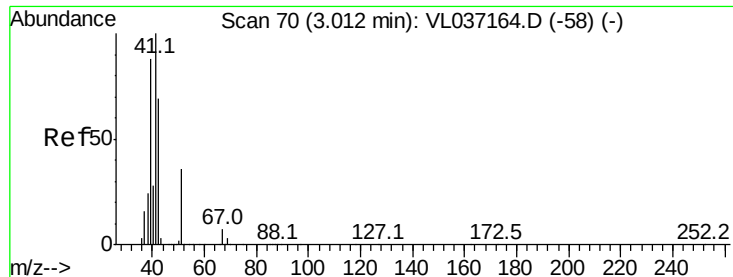
Tgt Ion: 85 Resp: 2513894

Ion Ratio Lower Upper

85 100

135 74.5 60.4 90.6





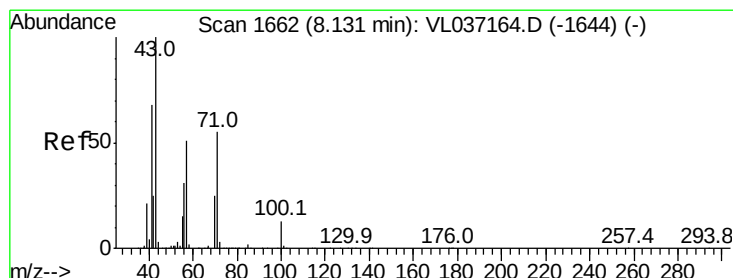
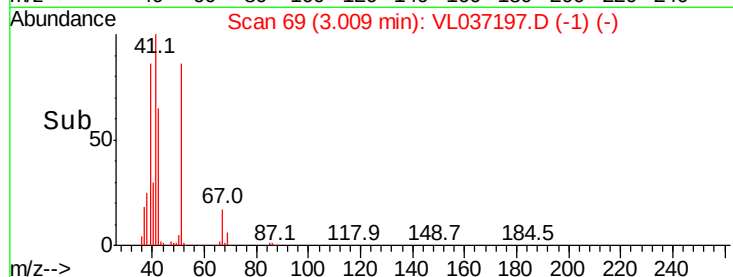
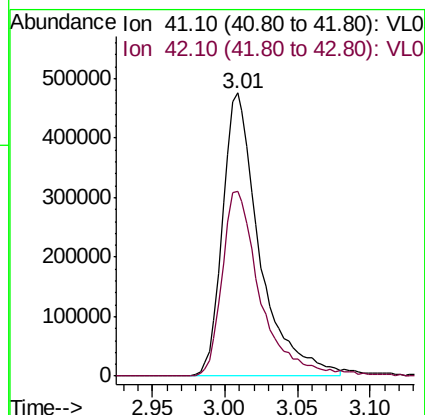
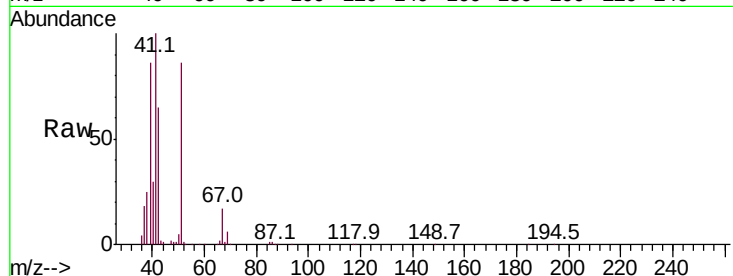
#9
 Propene
 Concen: 9.439 ppbv
 RT: 3.01 min Scan# 69
 Delta R.T. -0.00 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0617ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
42	68.4	54.5	81.7

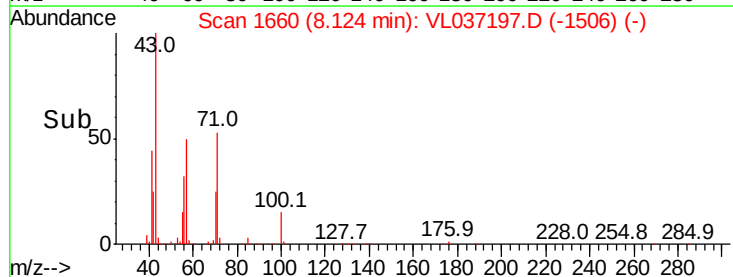
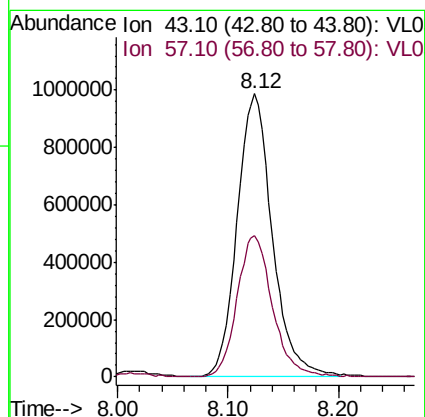
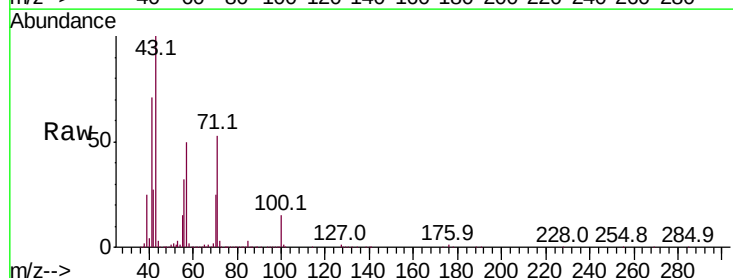
Manual Integrations
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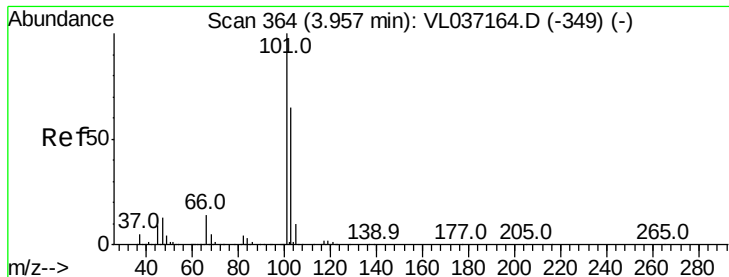
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 6/21/2021 12:53:51 PM



#10
 Heptane
 Concen: 10.008 ppbv
 RT: 8.12 min Scan# 1660
 Delta R.T. -0.01 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

Tgt Ion	Ratio	Lower	Upper
43	100		
57	50.9	40.6	61.0





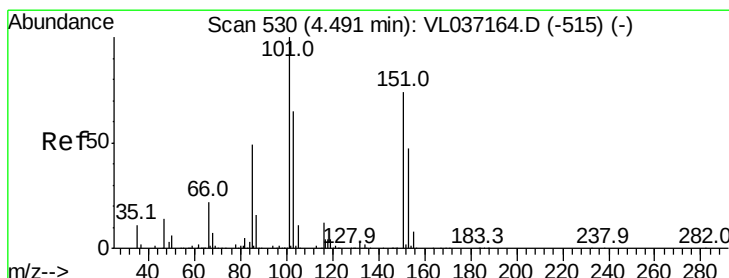
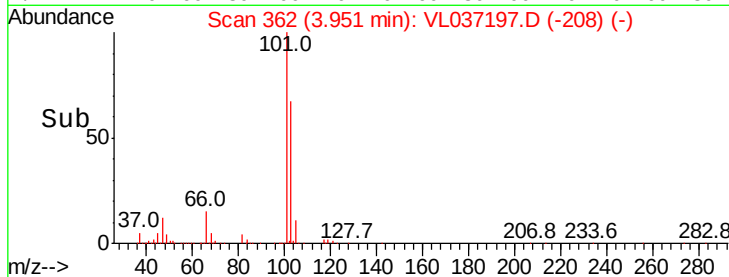
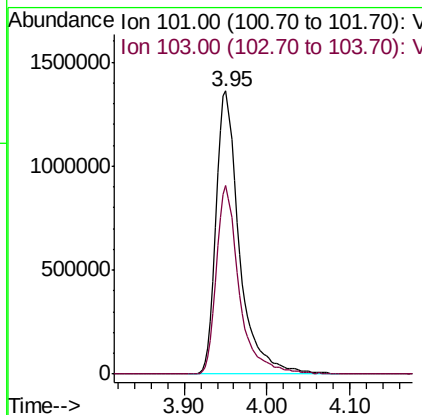
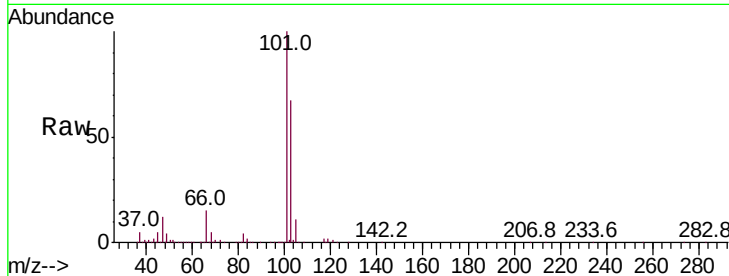
#11
 Trichlorofluoromethane
 Concen: 10.012 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0617ABS01

Tot Ion:101 Resp: 2659135
 Ion Ratio Lower Upper
 101 100
 103 66.8 52.2 78.4

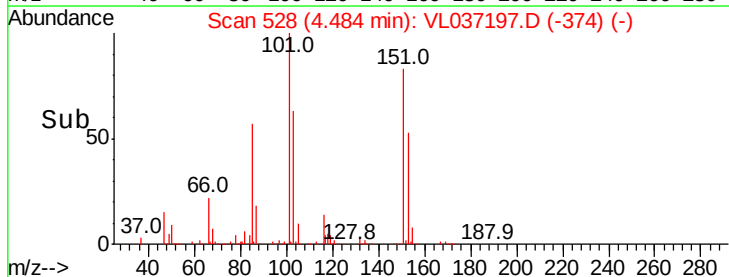
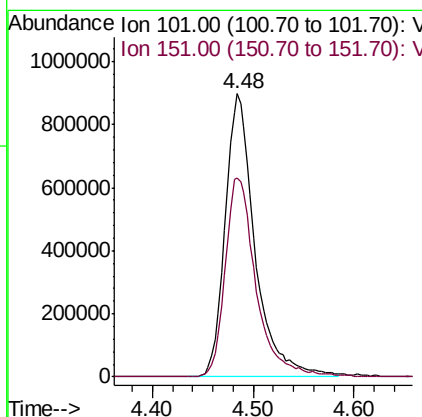
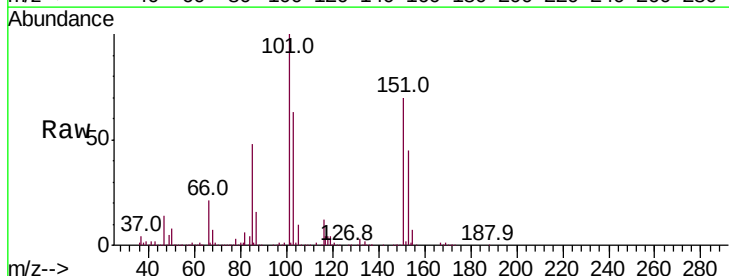
Manual Integrations
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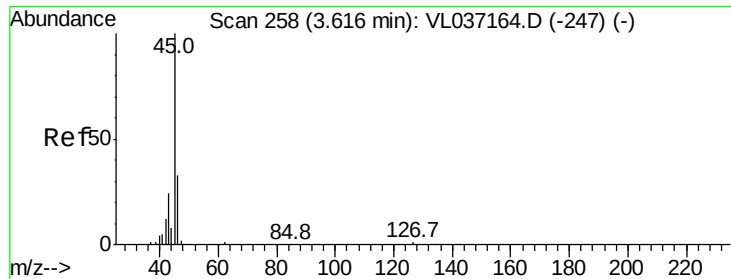
MMDadoda
 6/21/2021 12:53:51 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.901 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. -0.01 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

Tgt Ion:101 Resp: 1853753
 Ion Ratio Lower Upper
 101 100
 151 73.5 59.1 88.7





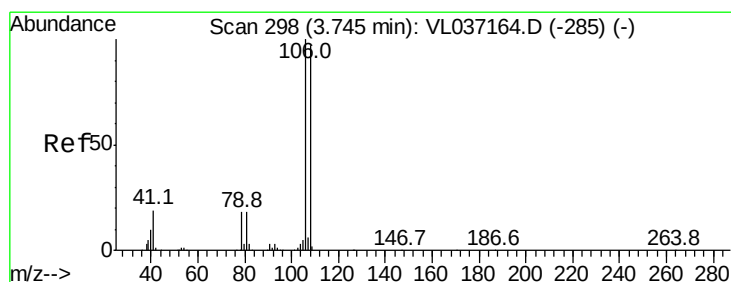
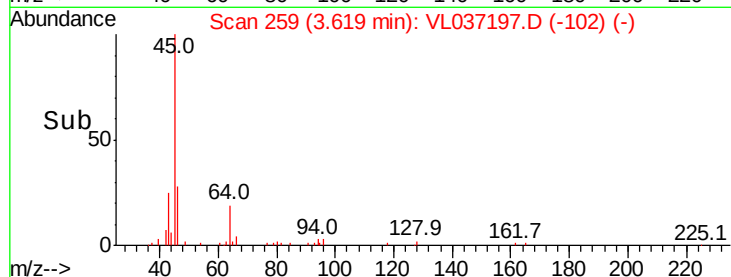
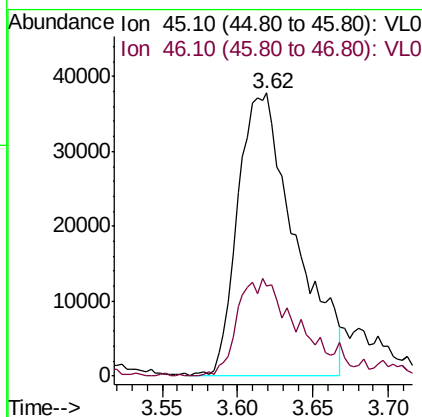
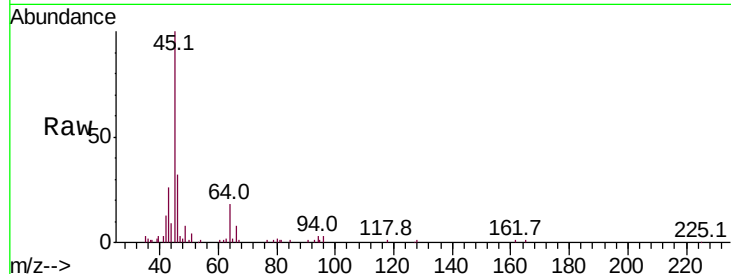
#13
Ethanol
Concen: 7.274 ppbv m
RT: 3.62 min Scan# 259
Delta R.T. 0.00 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01

Tot Ion: 45 Resp: 100129
Ion Ratio Lower Upper
45 100
46 0.0 34.2 137.0#

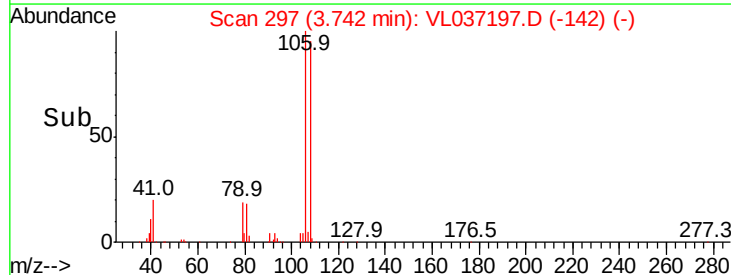
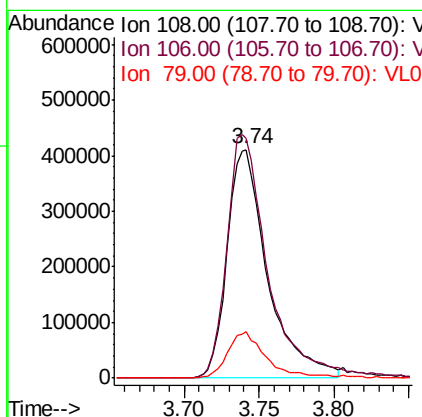
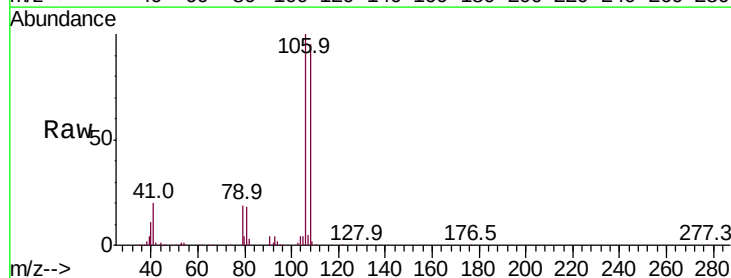
Manual Integrations
APPROVED

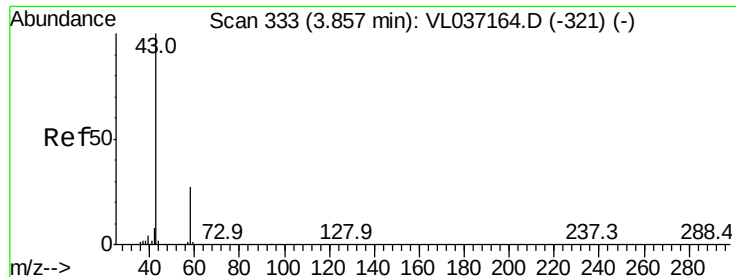
MMDadoda
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#14
Bromoethene
Concen: 9.895 ppbv
RT: 3.74 min Scan# 297
Delta R.T. -0.00 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Tgt Ion: 108 Resp: 773232
Ion Ratio Lower Upper
108 100
106 110.4 86.8 130.2
79 20.5 15.6 23.4





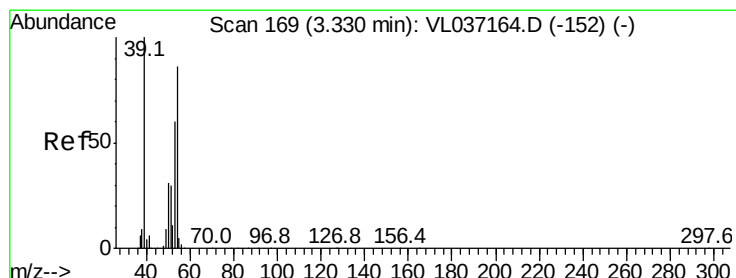
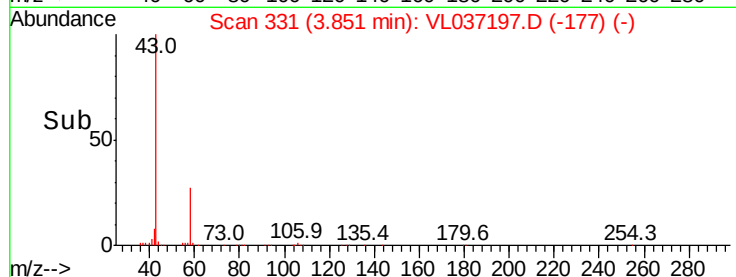
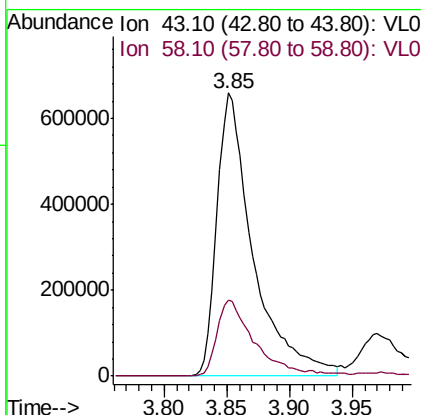
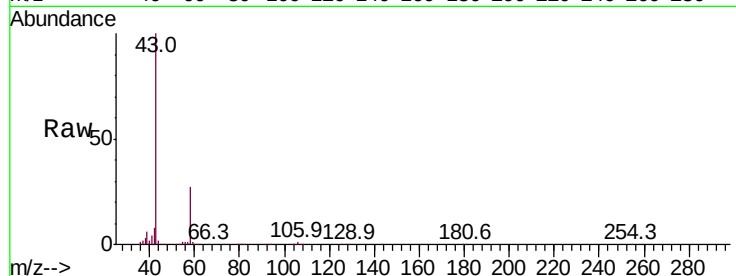
#15
Acetone
Concen: 8.194 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01

Tot Ion: 43 Resp: 1322513
Ion Ratio Lower Upper
43 100
58 28.5 23.7 35.5

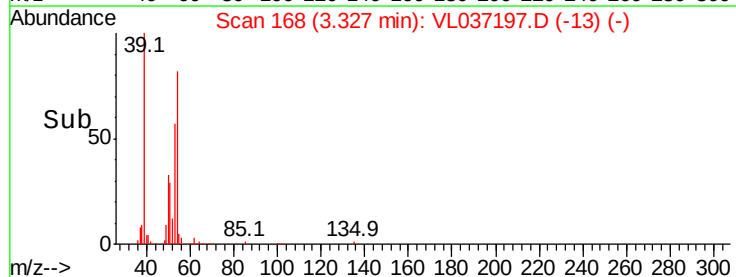
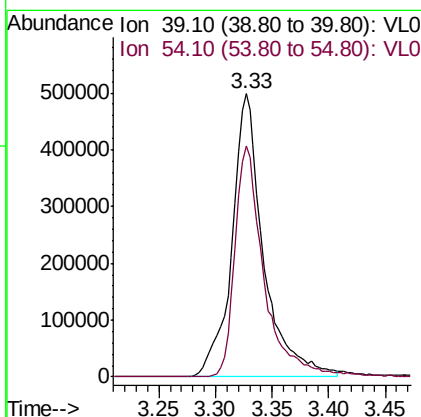
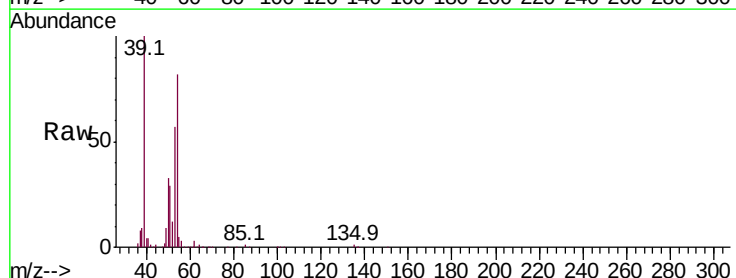
Manual Integrations
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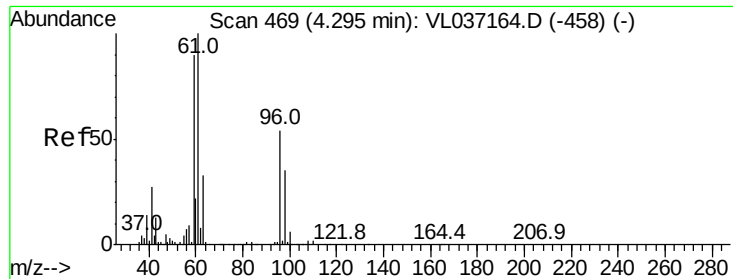
MMDadoda
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#16
1,3-Butadiene
Concen: 10.146 ppbv
RT: 3.33 min Scan# 168
Delta R.T. -0.00 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Tgt Ion: 39 Resp: 968098
Ion Ratio Lower Upper
39 100
54 76.2 61.2 91.8





#17

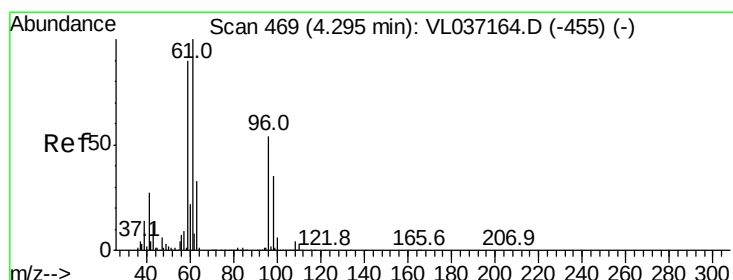
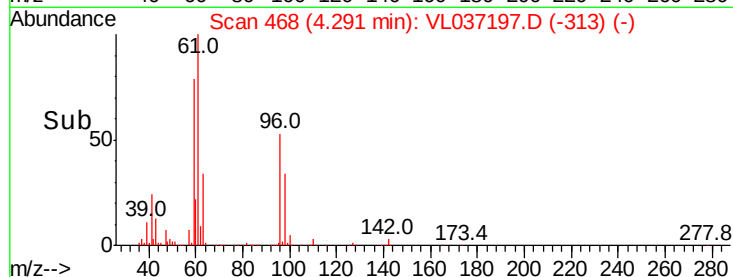
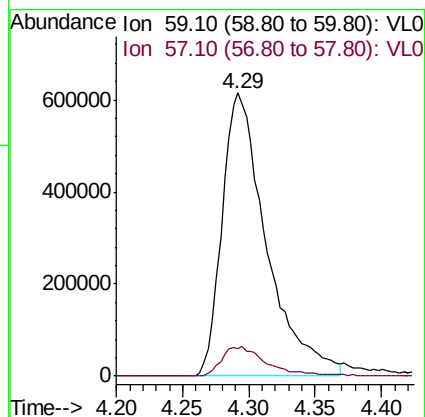
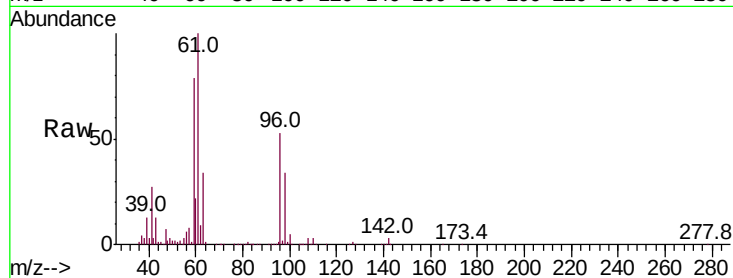
tert-Butyl alcohol
Concen: 9.588 ppbv
RT: 4.29 min Scan# 468
Delta R.T. -0.00 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01

Tot Ion: 59 Resp: 1430251
Ion Ratio Lower Upper
59 100
57 11.1 8.8 13.2

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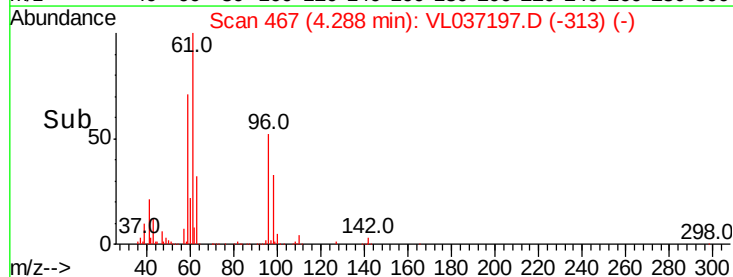
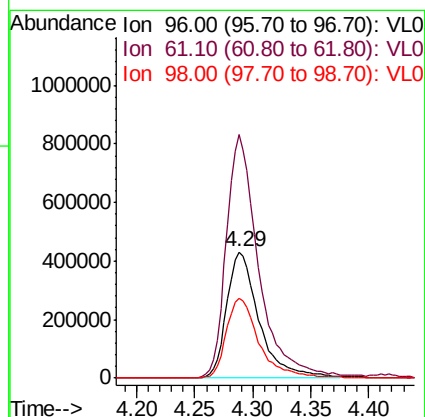
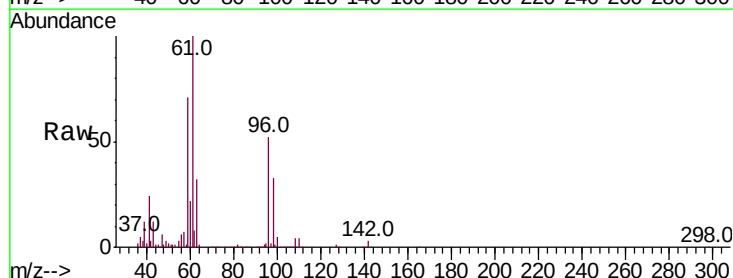
MMDadoda
6/21/2021 12:53:51 PM

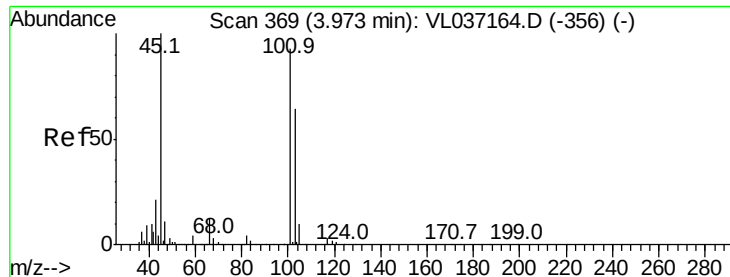


#18

1,1-Dichloroethene
Concen: 10.078 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Tgt Ion: 96 Resp: 836142
Ion Ratio Lower Upper
96 100
61 192.9 148.6 222.8
98 63.6 51.9 77.9





#19

Isopropyl Alcohol

Concen: 8.079 ppbv

RT: 3.97 min Scan# 368

Delta R.T. -0.00 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

Tot Ion: 45 Resp: 789818

Ion Ratio Lower Upper

45 100

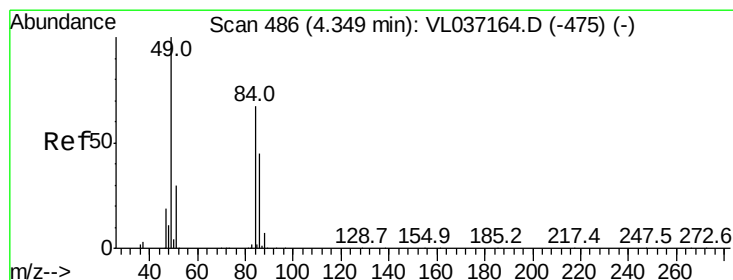
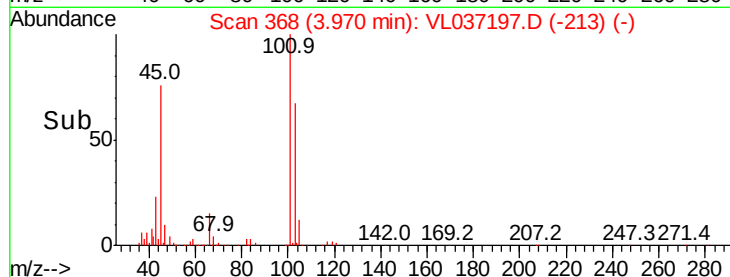
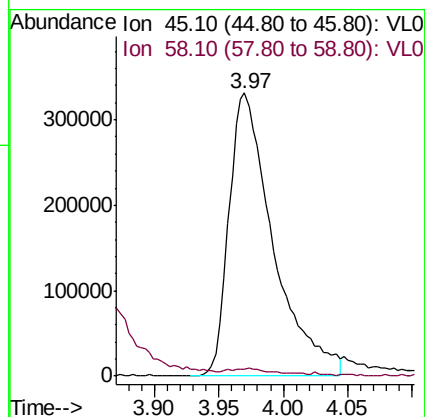
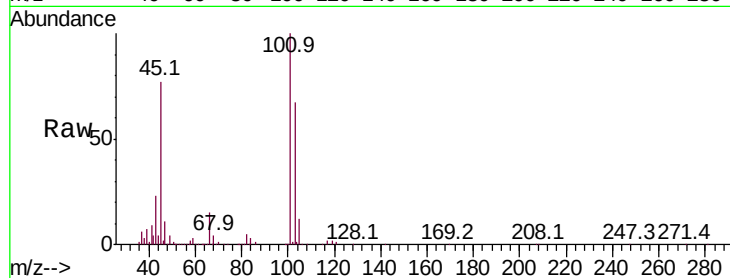
58 3.6 2.4 3.6

Manual Integrations

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#20

Methylene Chloride

Concen: 7.081 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Tgt Ion: 84 Resp: 684238

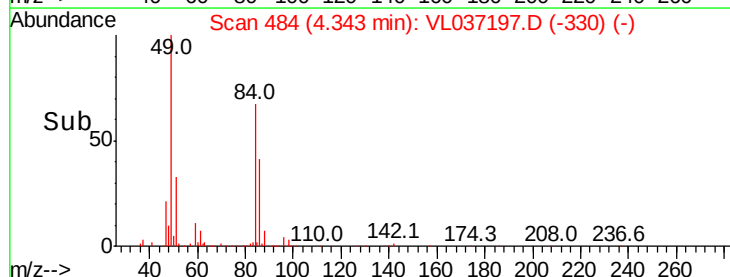
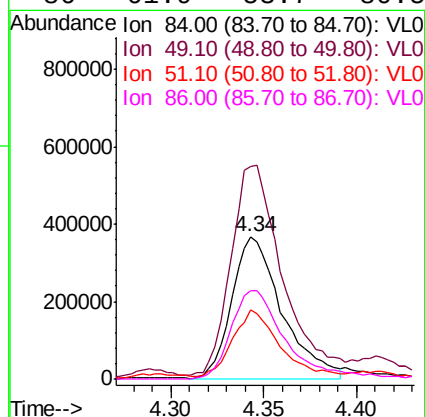
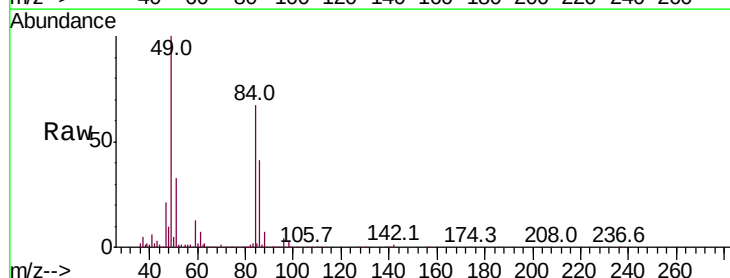
Ion Ratio Lower Upper

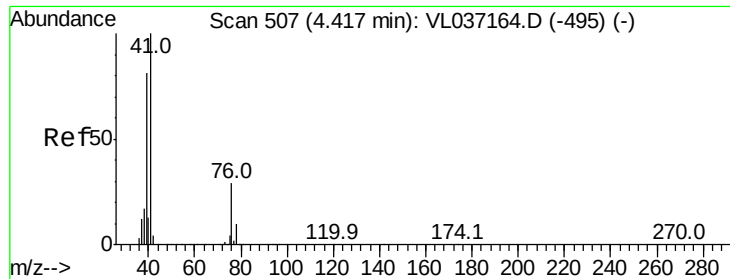
84 100

49 147.8 119.7 179.5

51 46.9 36.1 54.1

86 61.9 53.7 80.5





#21

Allvl Chloride

Concen: 10.176 ppbv

RT: 4.41 min Scan# 506

Delta R.T. -0.00 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

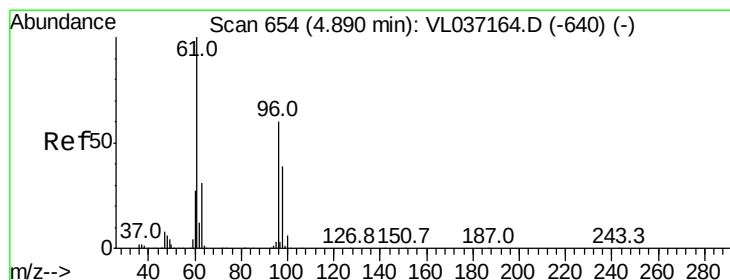
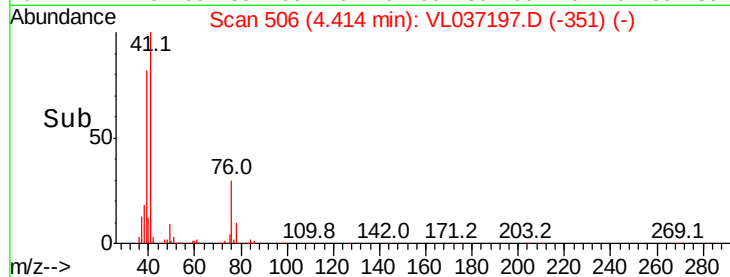
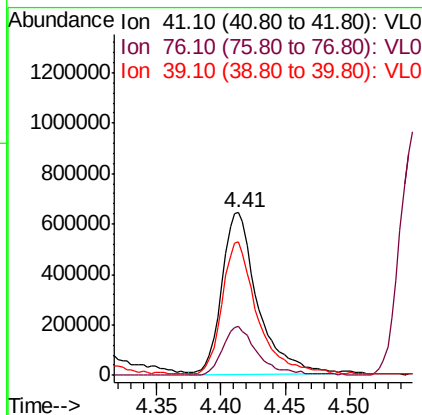
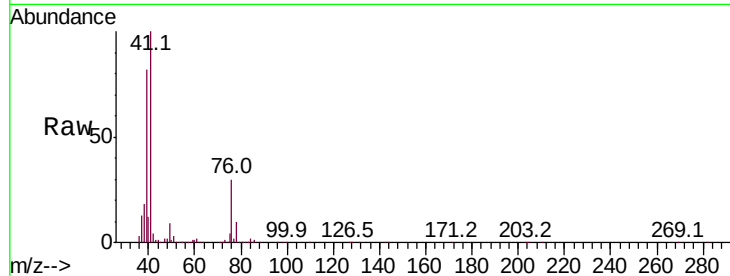
ClientSampleId :

VL0617ABS01

Tot Ion:	41	Resp:	1238037
Ion	Ratio	Lower	Upper
41	100		
76	30.1	24.6	37.0
39	81.1	65.4	98.0

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 10.047 ppbv

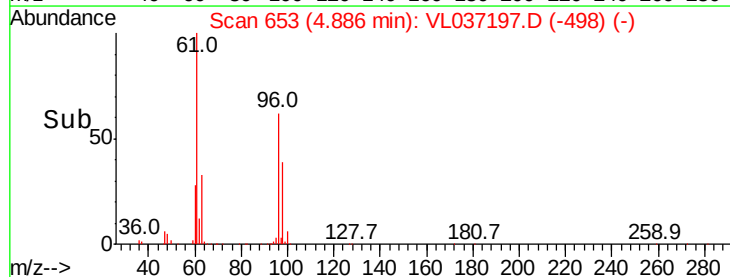
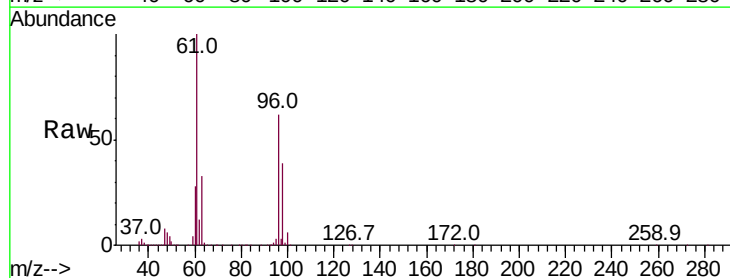
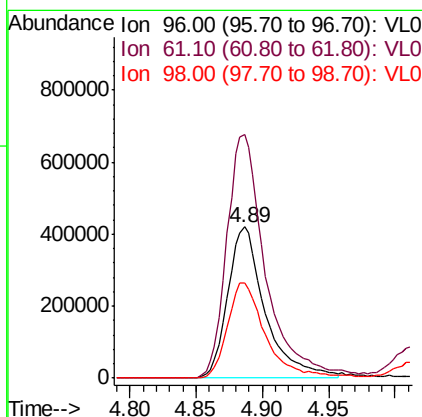
RT: 4.89 min Scan# 653

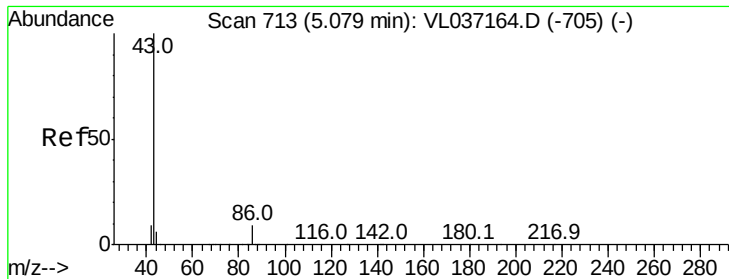
Delta R.T. -0.00 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Tgt Ion:	96	Resp:	824842
Ion	Ratio	Lower	Upper
96	100		
61	161.1	133.9	200.9
98	63.0	52.9	79.3





#23

Vinyl Acetate

Concen: 10.201 ppbv

RT: 5.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

Tot Ion: 43 Resp: 2360916

Ion Ratio Lower Upper

43 100

86 6.9 5.8 8.8

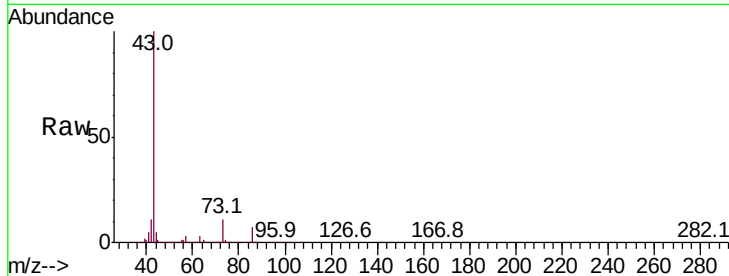
42 10.6 8.2 12.2

44 5.0 4.2 6.4

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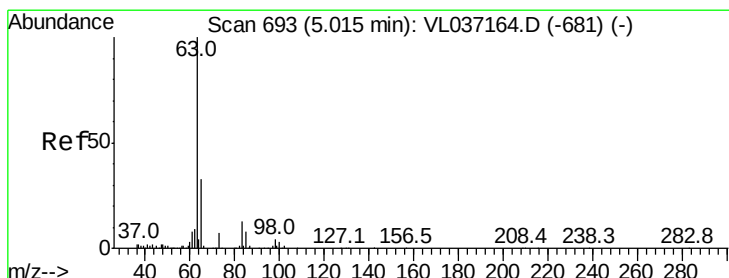
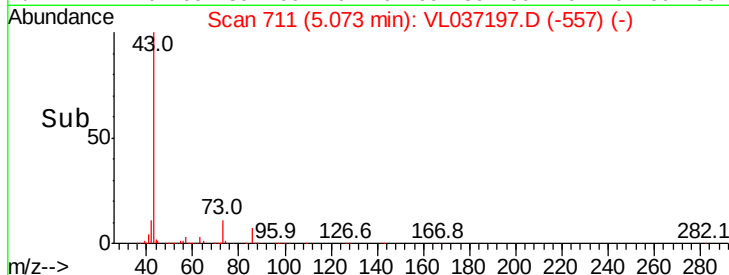
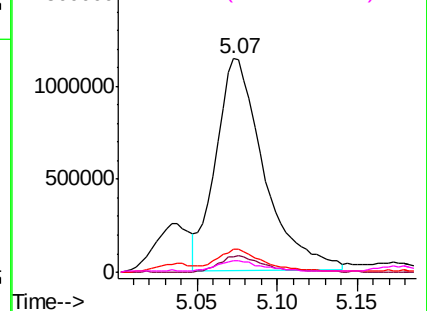


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.868 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

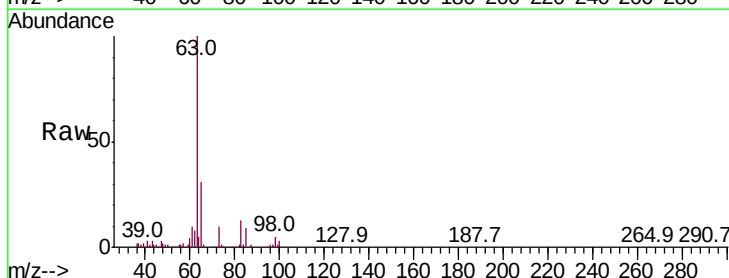
Tgt Ion: 63 Resp: 1838699

Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.5

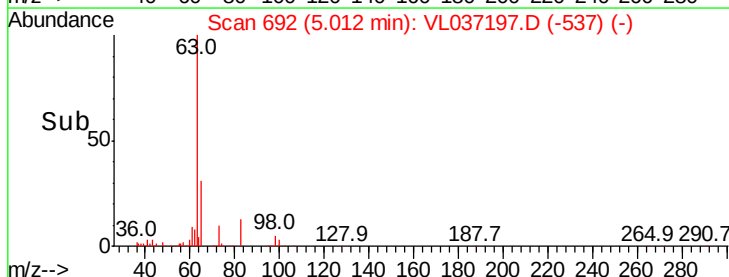
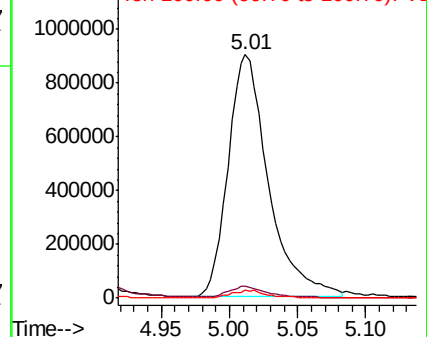
100 3.0 1.4 4.0

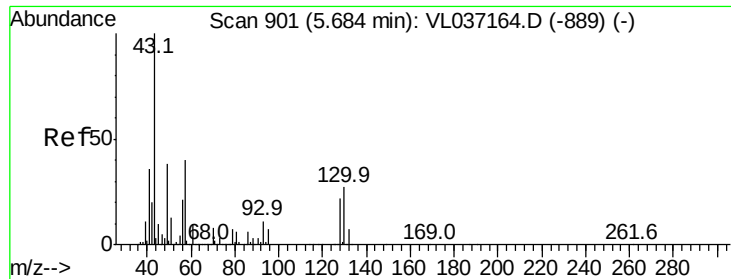


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





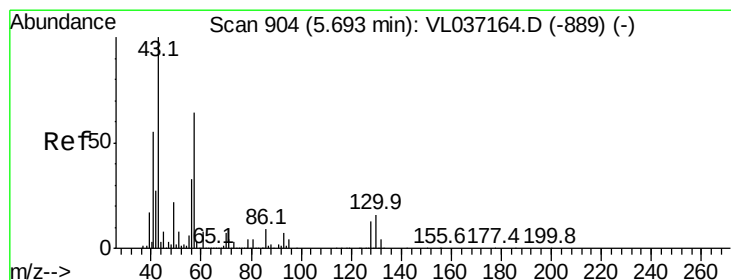
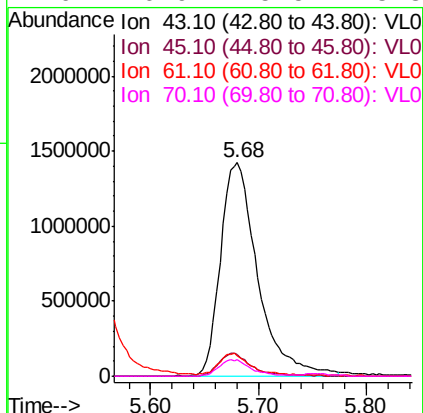
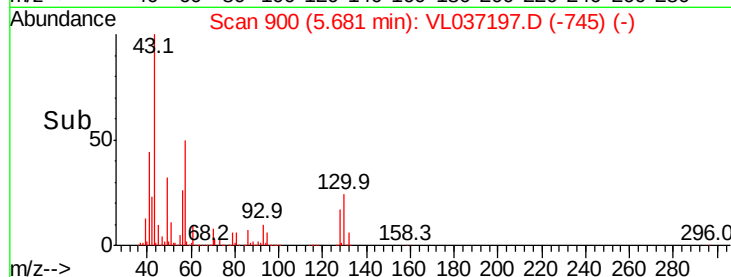
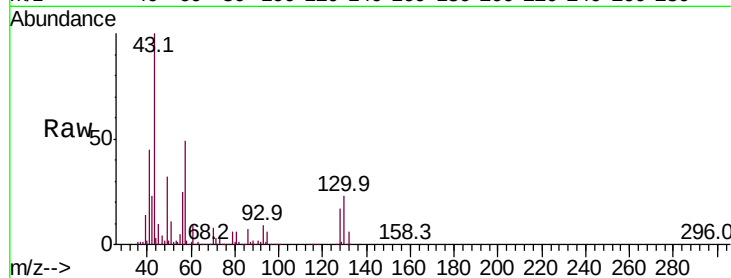
#25
Ethyl Acetate
Concen: 9.723 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.0	12.0
61	10.0	8.1	12.1
70	6.9	5.5	8.3

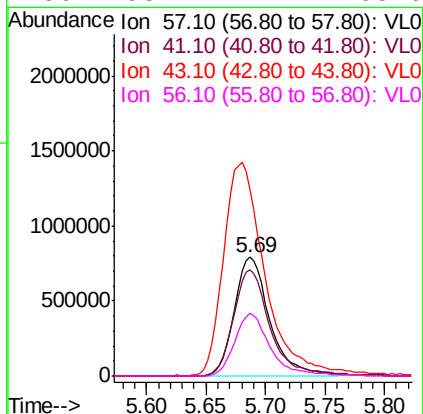
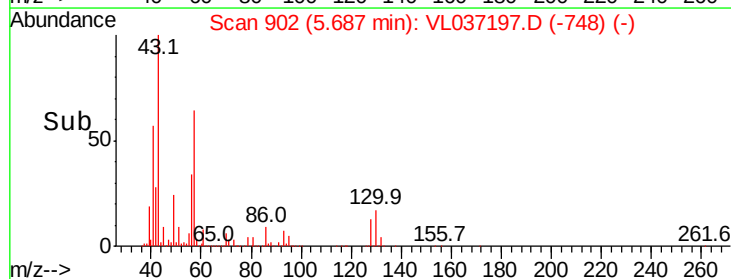
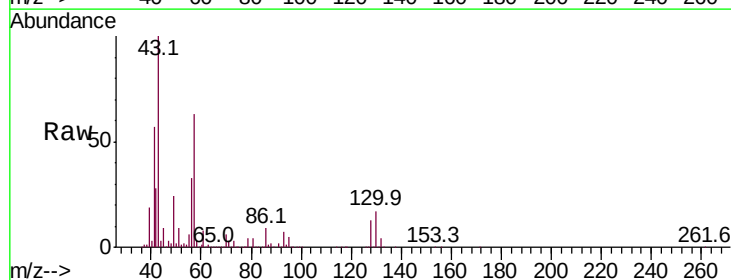
Manual Integrations
APPROVED

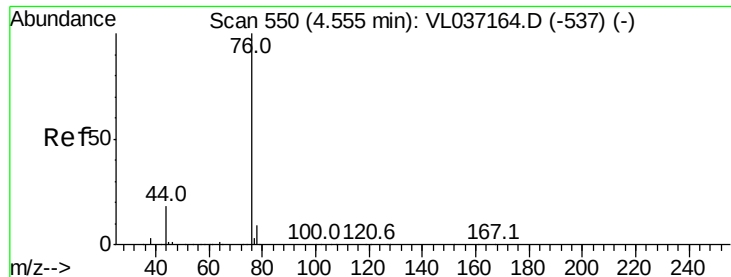
MMDadoda
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#26
Hexane
Concen: 9.256 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Tgt Ion	Ratio	Lower	Upper
57	100		
41	93.1	73.5	110.3
43	212.2	170.7	256.1
56	53.2	42.4	63.6





#27

Carbon Disulfide

Concen: 11.214 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

Tot Ion: 76 Resp: 1940341

Ion Ratio Lower Upper

76 100

44 19.2 15.4 23.2

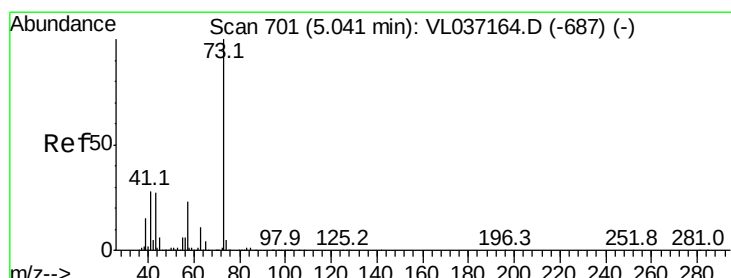
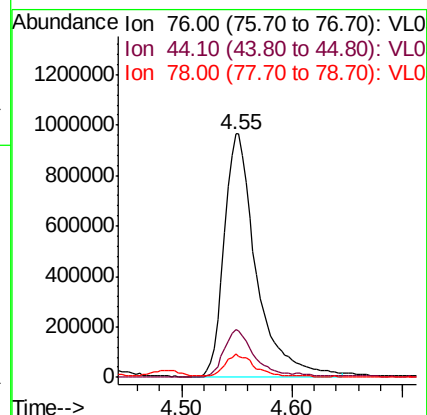
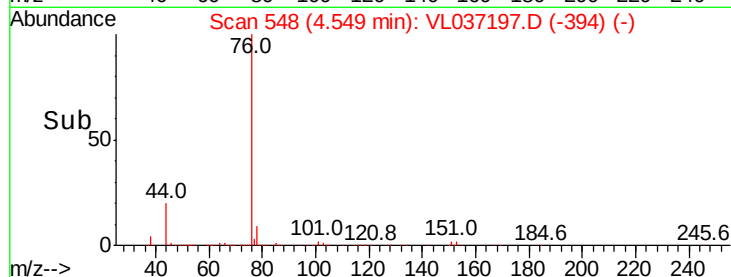
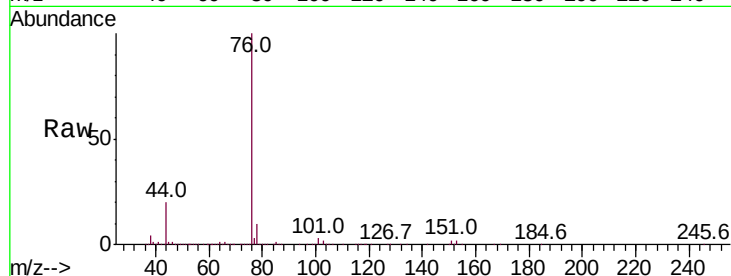
78 9.4 8.0 12.0

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#28

Methyl tert-Butyl Ether

Concen: 10.072 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.01 min

Lab File: VL037197.D

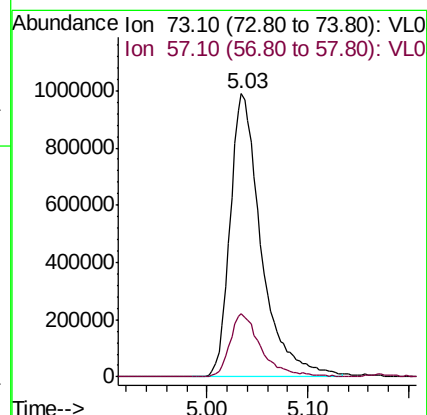
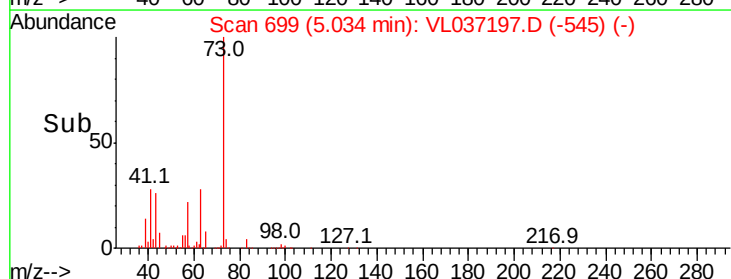
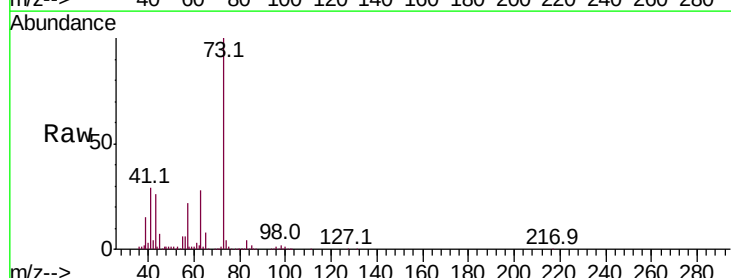
Acq: 17 Jun 2021 12:10

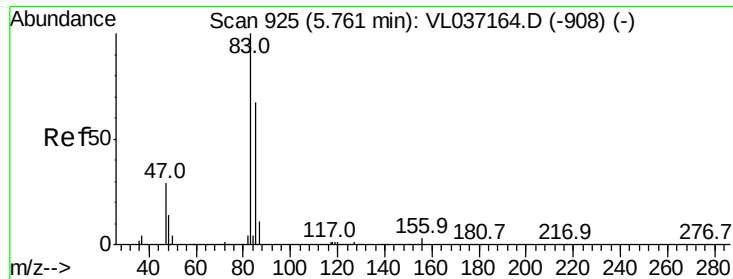
Tgt Ion: 73 Resp: 2138475

Ion Ratio Lower Upper

73 100

57 22.5 18.0 27.0





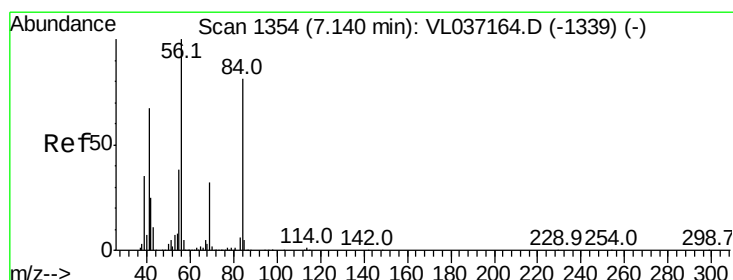
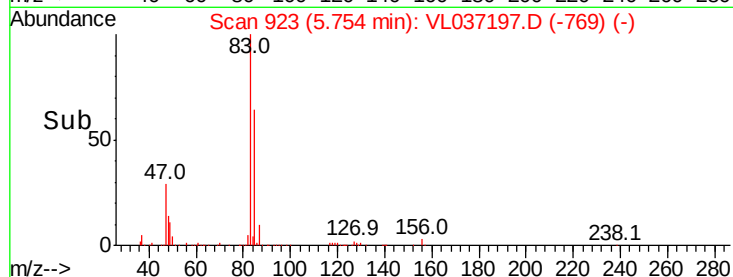
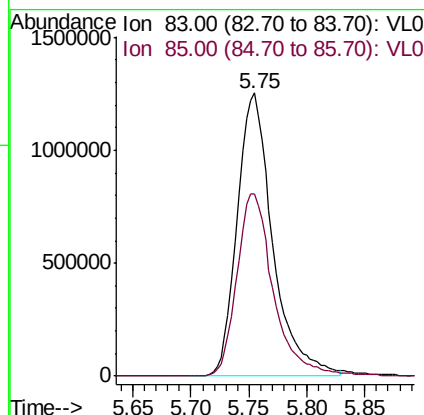
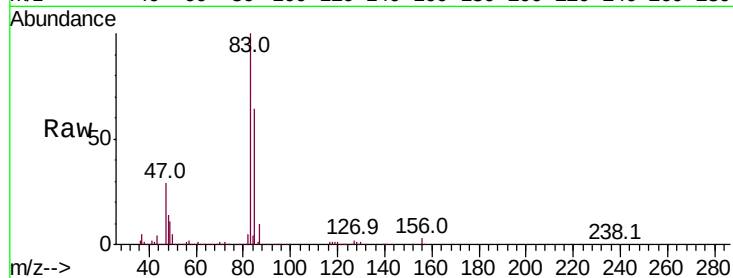
#29
Chloroform
Concen: 9.774 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01

Tot Ion: 83 Resp: 2666319
Ion Ratio Lower Upper
83 100
85 64.1 53.6 80.4

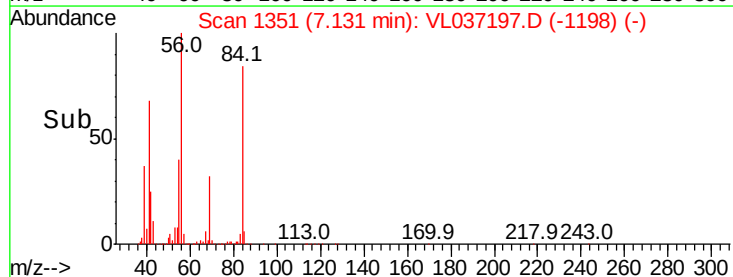
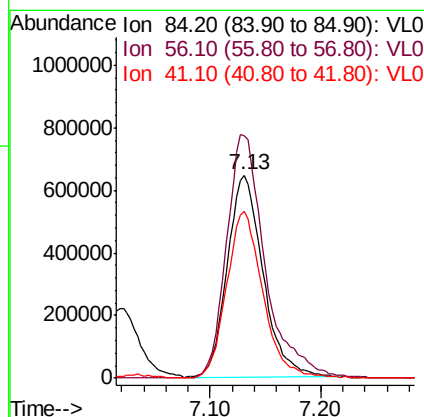
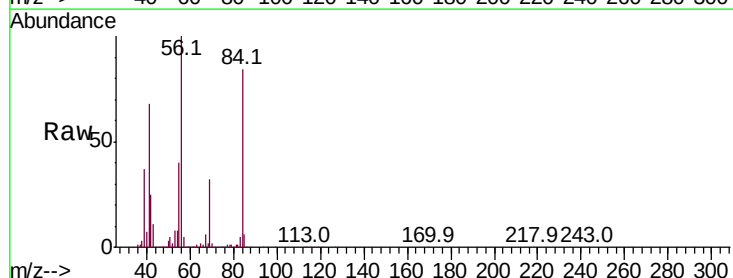
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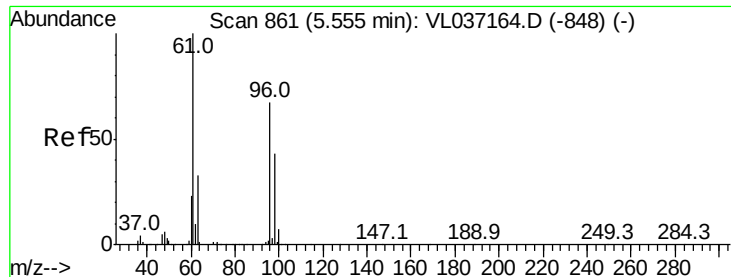
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#30
Cyclohexane
Concen: 9.901 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Tgt Ion: 84 Resp: 1456846
Ion Ratio Lower Upper
84 100
56 130.8 107.7 161.5
41 82.7 69.0 103.6





#31

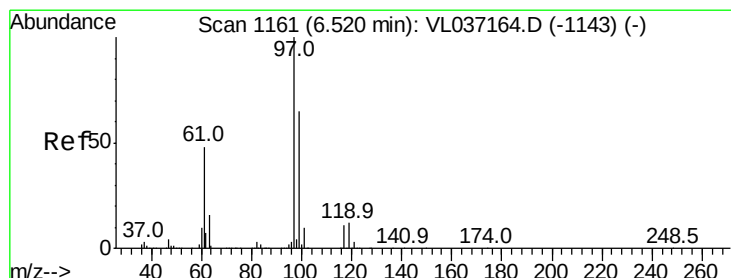
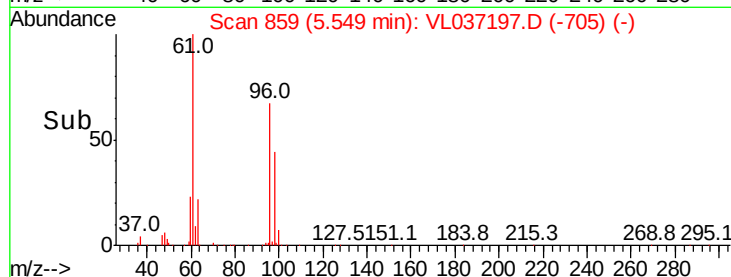
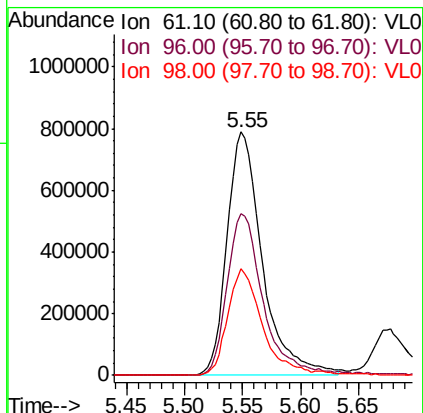
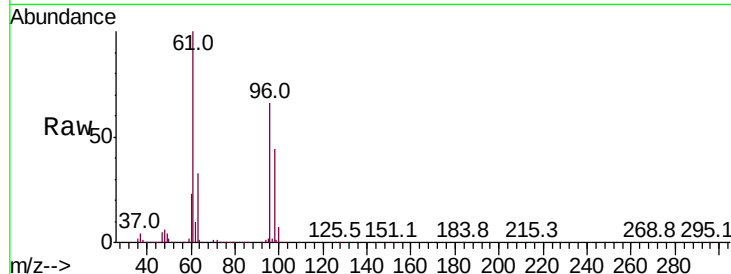
cis-1,2-Dichloroethene
Concen: 10.245 ppbv
RT: 5.55 min Scan# 859
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	66.3	53.6	80.4
98	44.0	34.7	52.1

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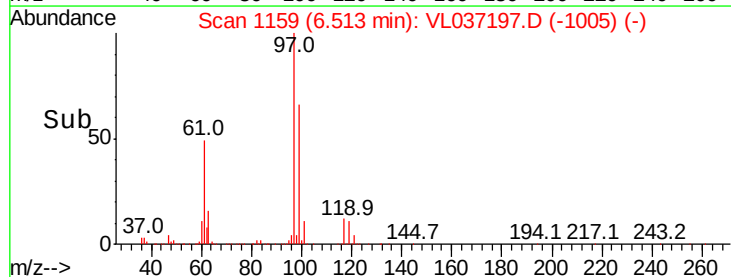
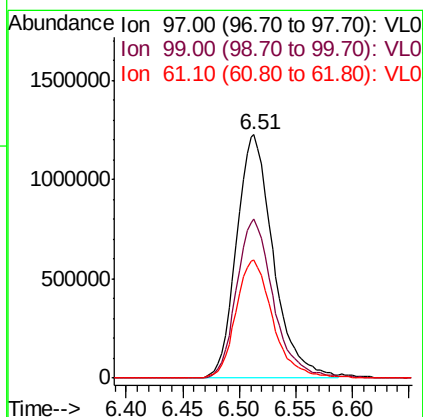
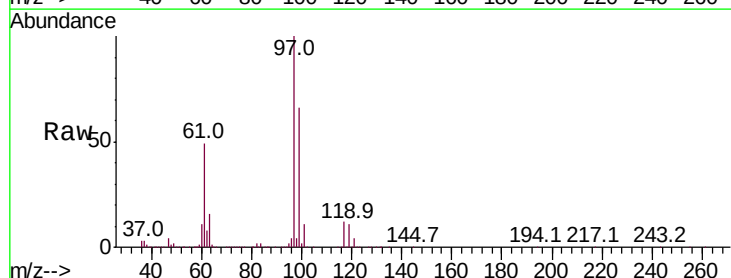
MMDadoda
6/21/2021 12:53:51 PM

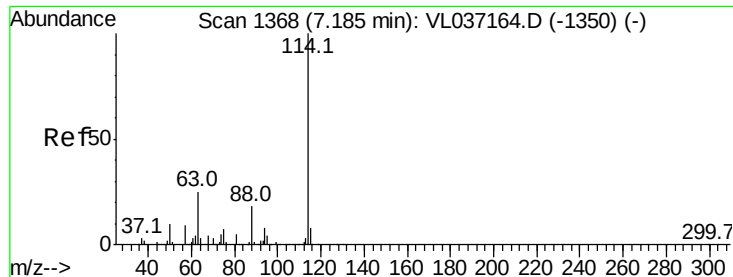


#32

1,1,1-Trichloroethane
Concen: 9.520 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	52.2	78.4
61	48.7	38.8	58.2





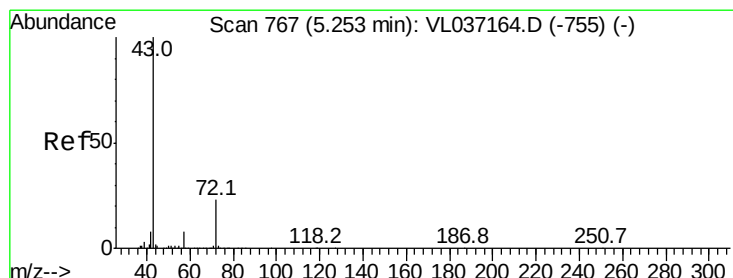
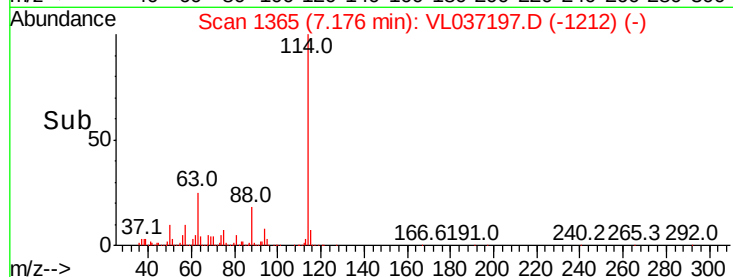
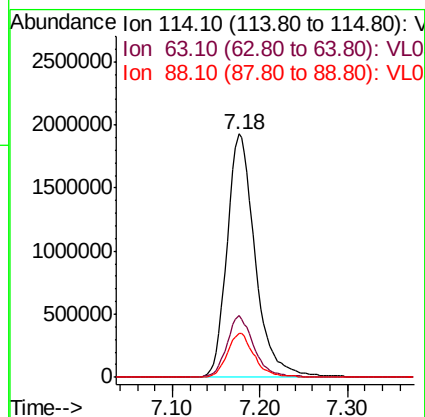
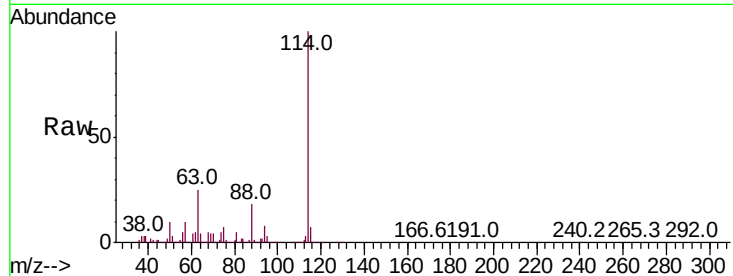
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0617ABS01

Tot Ion:114 Resp: 4304262
 Ion Ratio Lower Upper
 114 100
 63 24.8 19.6 29.4
 88 17.6 14.2 21.2

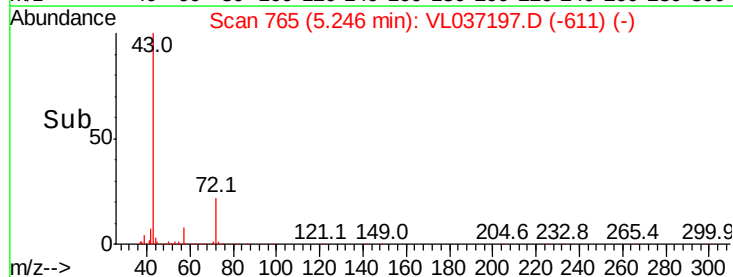
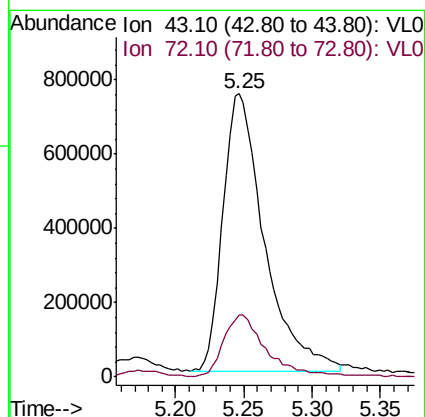
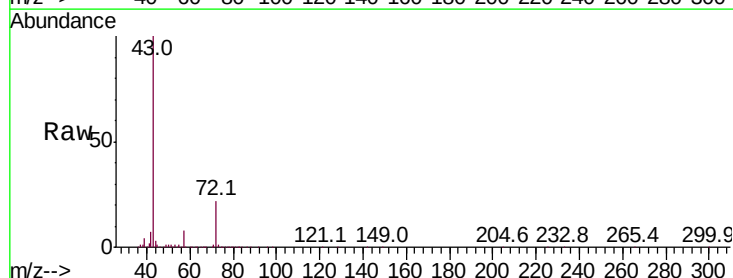
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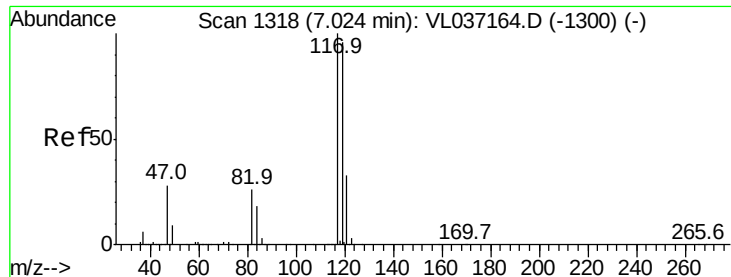
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#34
 2-Butanone
 Concen: 9.485 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. -0.01 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

Tgt Ion: 43 Resp: 1587738
 Ion Ratio Lower Upper
 43 100
 72 23.3 18.9 28.3





#35

Carbon Tetrachloride

Concen: 10.330 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

Tot Ion:117 Resp: 2982115

Ion Ratio Lower Upper

117 100

119 98.1 76.6 114.8

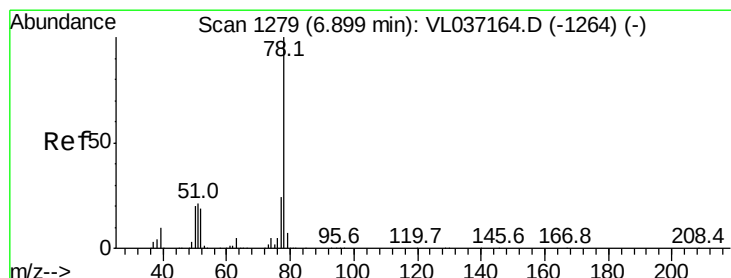
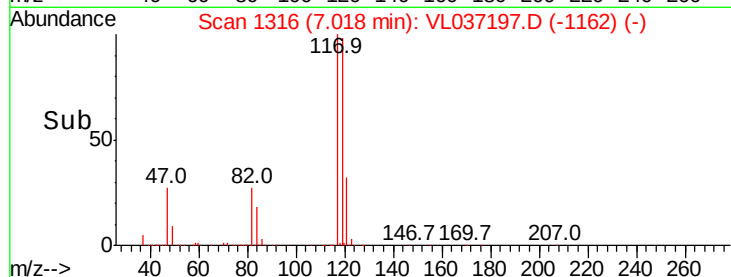
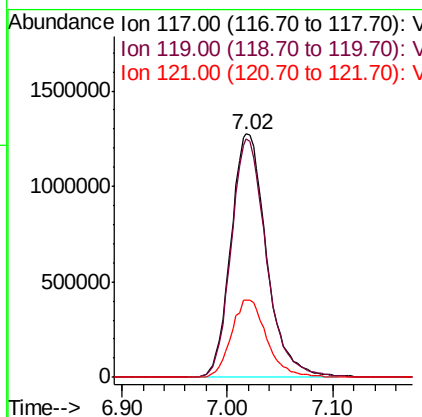
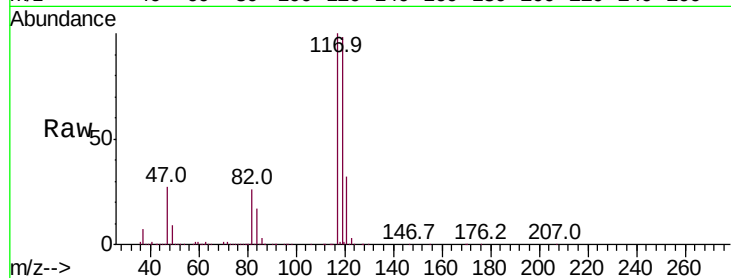
121 31.8 26.4 39.6

Manual Integrations

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#36

Benzene

Concen: 9.775 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

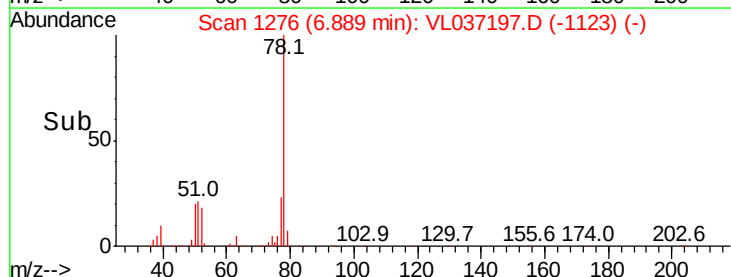
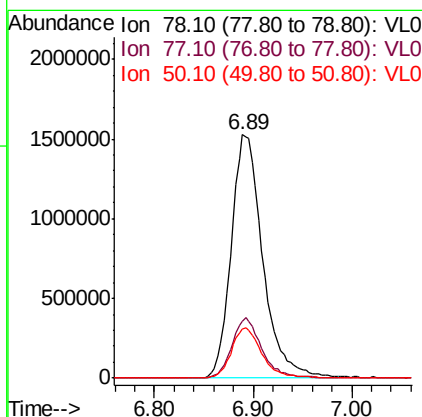
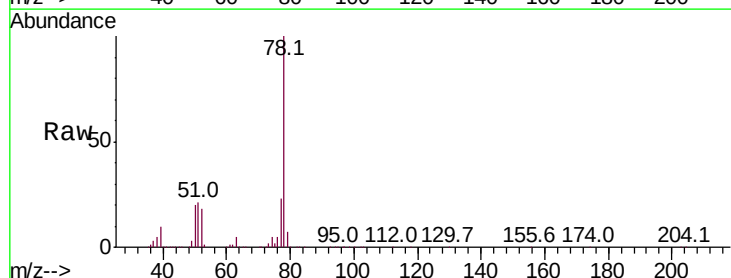
Tgt Ion: 78 Resp: 3402385

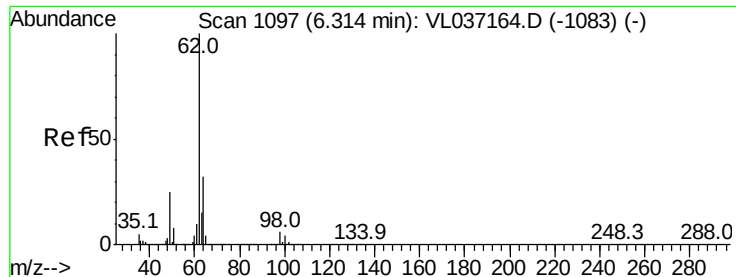
Ion Ratio Lower Upper

78 100

77 23.1 19.0 28.6

50 20.3 15.7 23.5





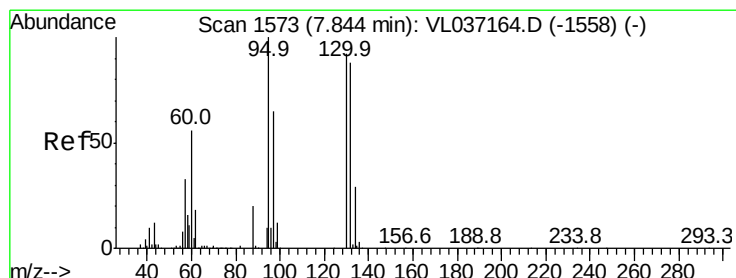
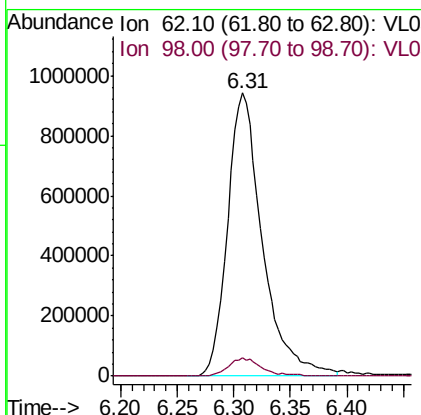
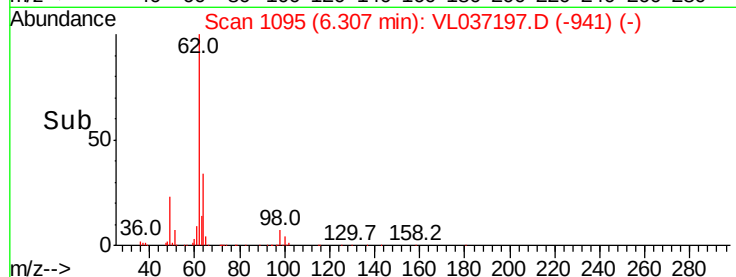
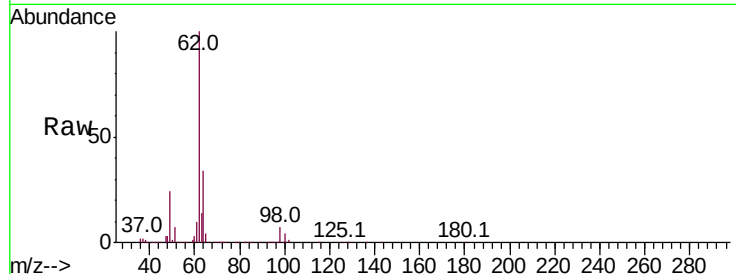
#37
 1,2-Dichloroethane
 Concen: 9.996 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. -0.01 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0617ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.4	5.0	7.6

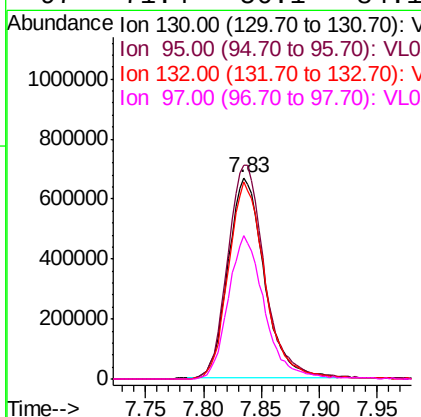
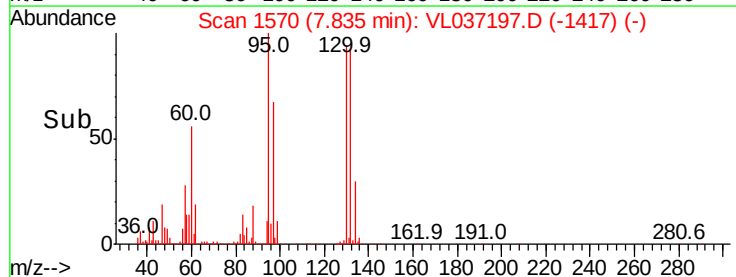
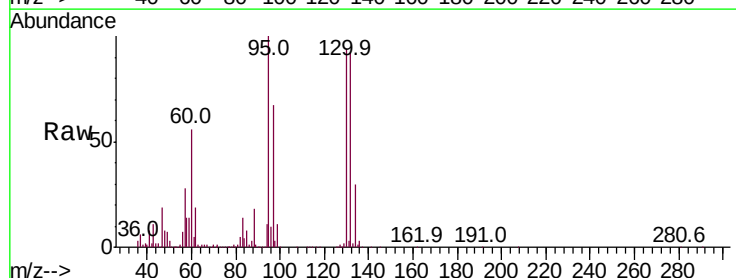
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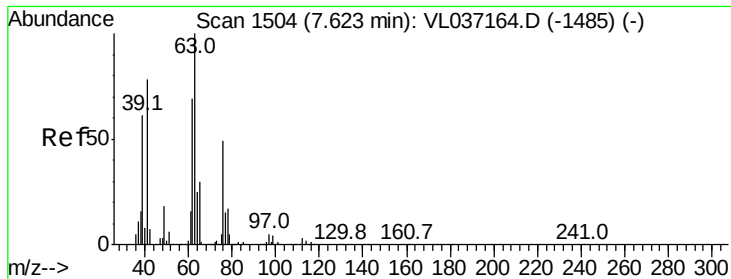
MMDadoda
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#38
 Trichloroethene
 Concen: 8.711 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.8	86.6	129.8
132	98.4	76.6	114.8
97	71.4	56.1	84.1





#39

1,2-Dichloropropane

Concen: 9.987 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

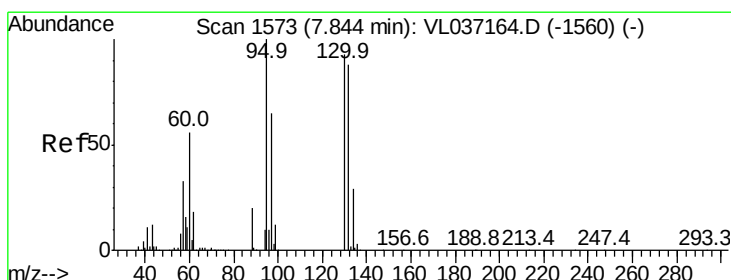
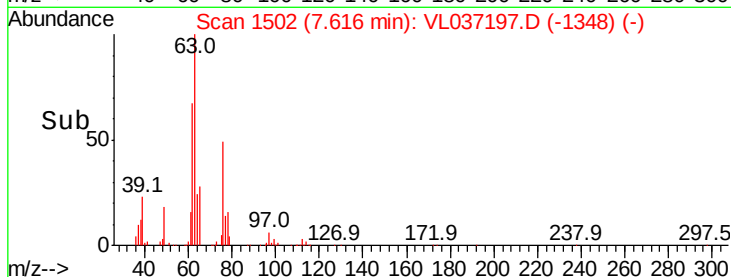
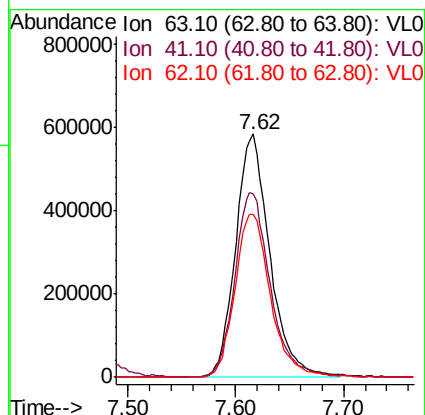
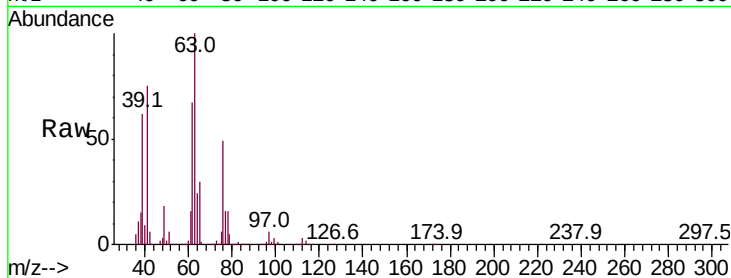
Instrument :
MSVOA_L

ClientSampleId :
VL0617ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	75.3	62.0	93.0
62	66.8	54.9	82.3

Manual Integrations
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#40

1,4-Dioxane

Concen: 9.231 ppbv

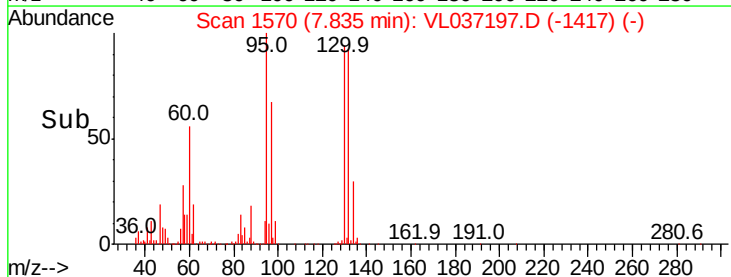
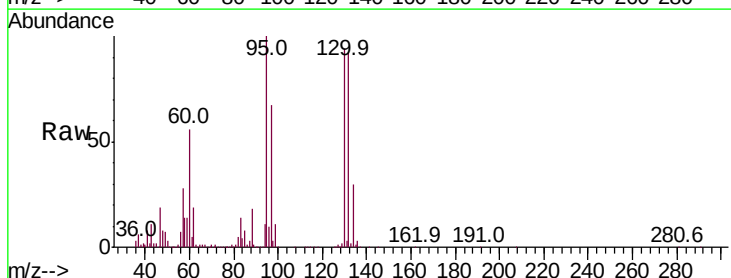
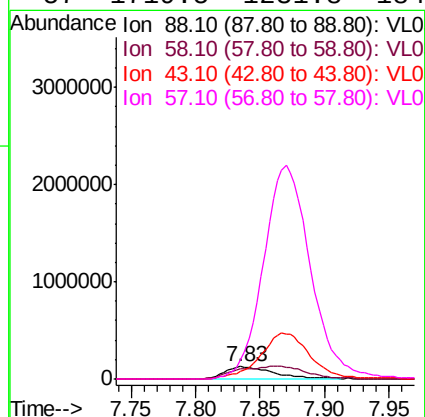
RT: 7.83 min Scan# 1570

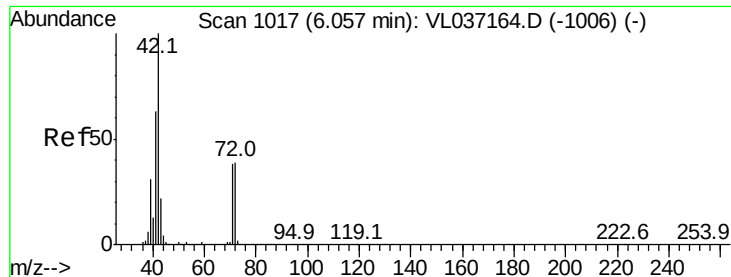
Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Tgt Ion	Ratio	Lower	Upper
88	100		
58	152.9	118.4	177.6
43	390.4	284.0	426.0
57	1719.5	1231.8	1847.6





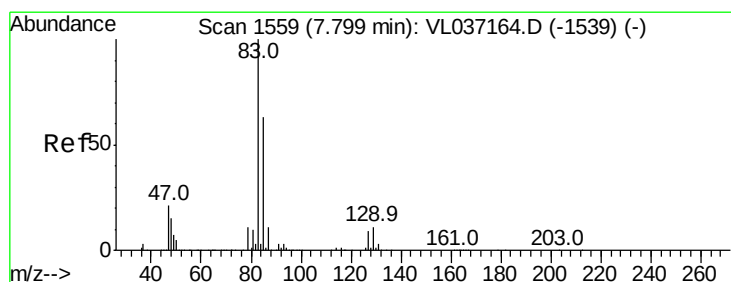
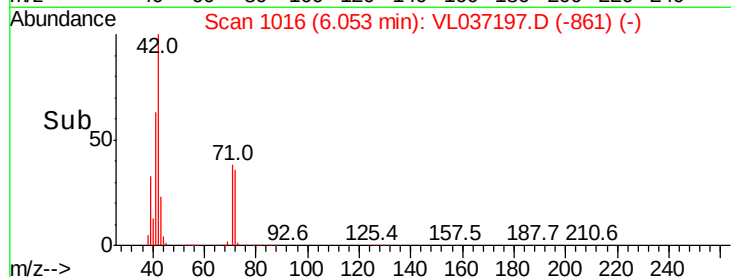
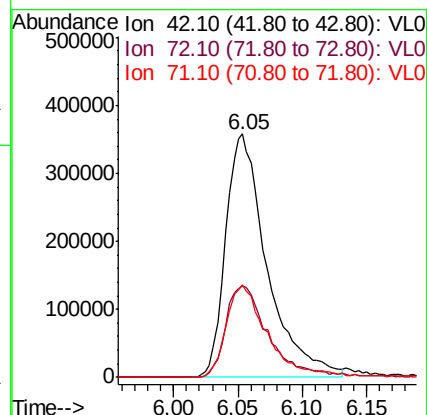
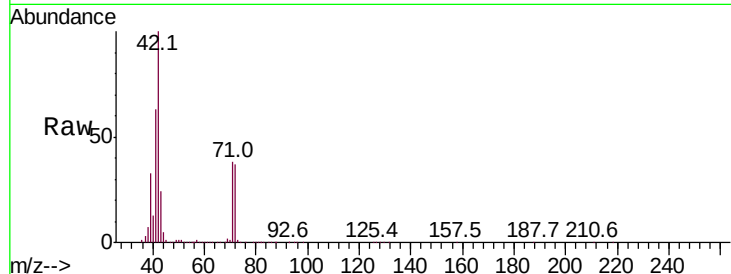
#41
Tetrahydrofuran
Concen: 10.214 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	33.0	49.4
71	38.7	31.0	46.6

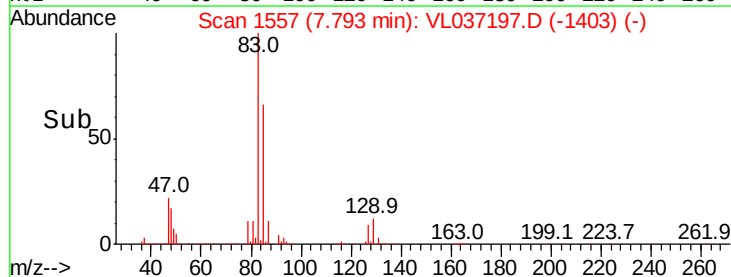
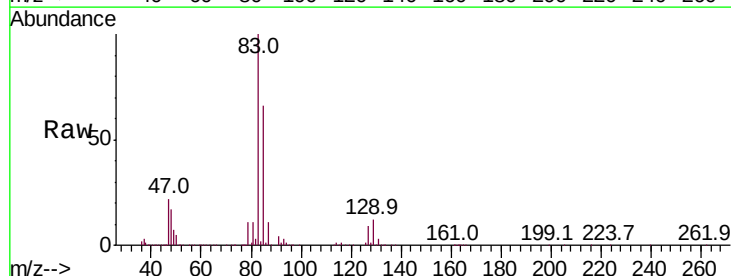
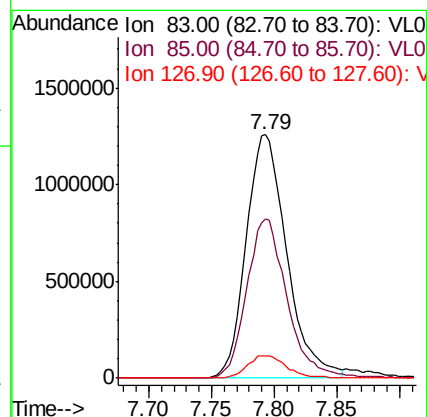
Manual Integrations
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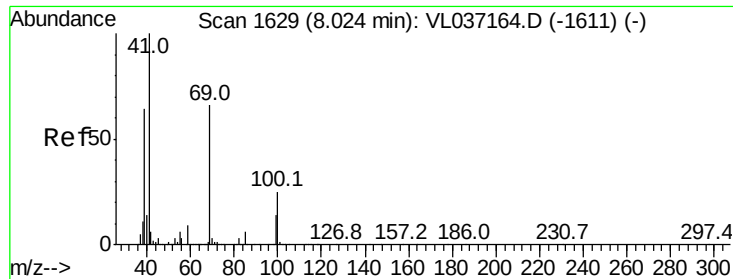
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#42
Bromodichloromethane
Concen: 10.175 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.8	76.2
127	9.3	7.0	10.6





#43

Methyl Methacrylate

Concen: 10.278 ppbv

RT: 8.01 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

Tot Ion: 69 Resp: 1235455

Ion Ratio Lower Upper

69 100

41 152.2 119.4 179.0

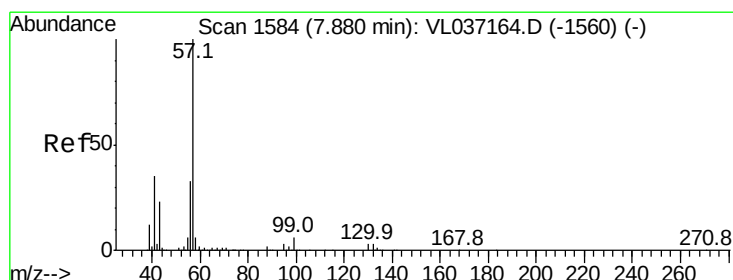
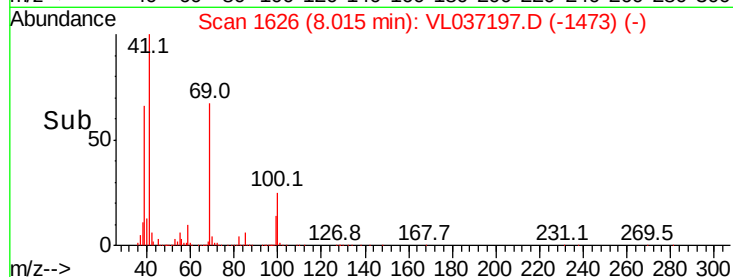
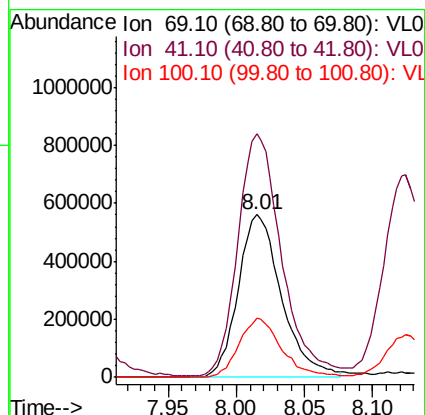
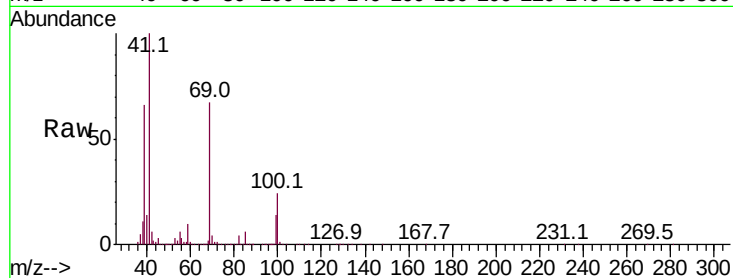
100 35.7 28.6 43.0

Manual Integrations

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#44

2,2,4-Trimethylpentane

Concen: 9.599 ppbv

RT: 7.87 min Scan# 1581

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

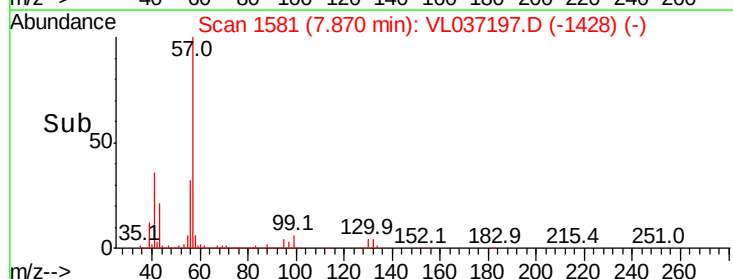
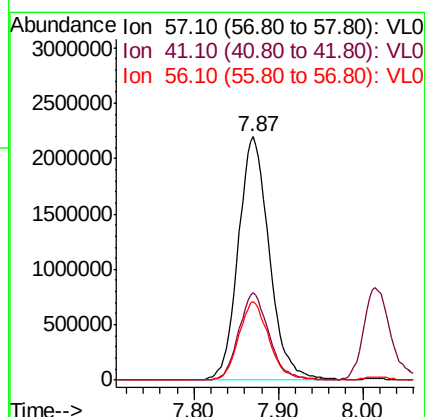
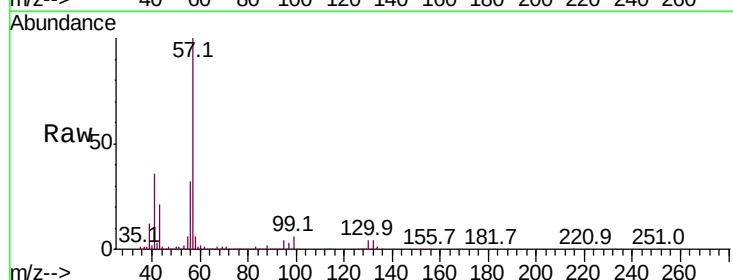
Tgt Ion: 57 Resp: 5625854

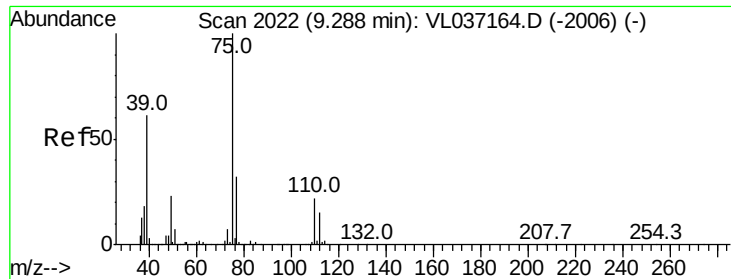
Ion Ratio Lower Upper

57 100

41 35.0 27.6 41.4

56 31.5 25.3 37.9





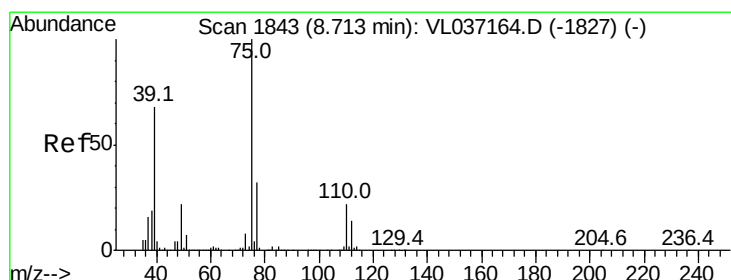
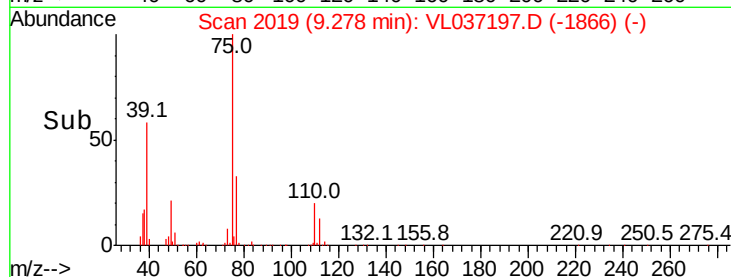
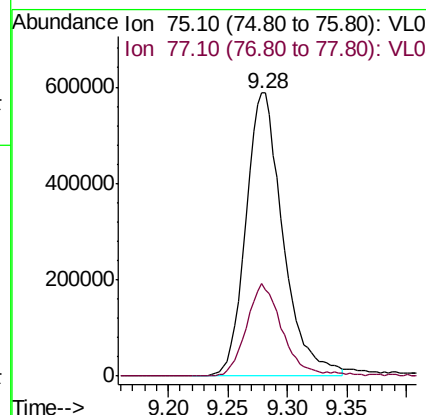
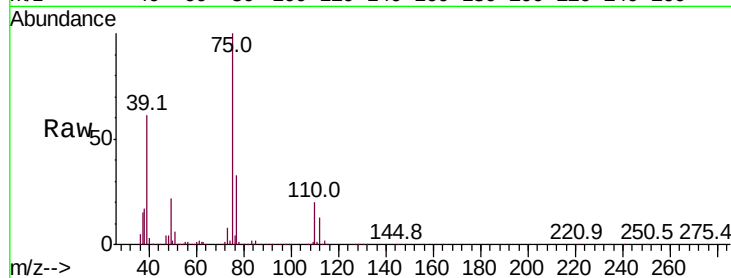
#45
t-1,3-Dichloropropene
Concen: 11.952 ppbv
RT: 9.28 min Scan# 2019
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01

Tot Ion: 75 Resp: 1267559
Ion Ratio Lower Upper
75 100
77 32.8 25.6 38.4

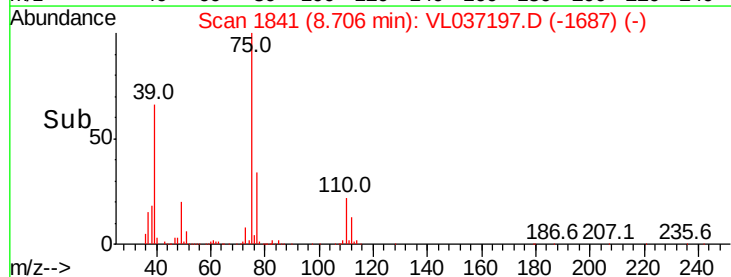
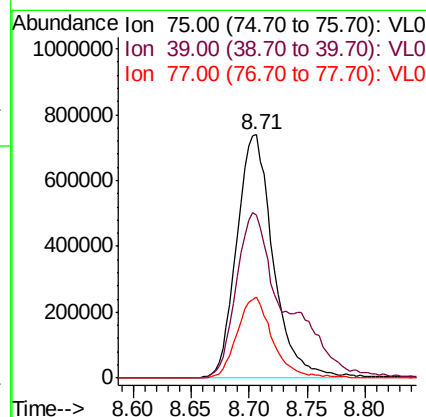
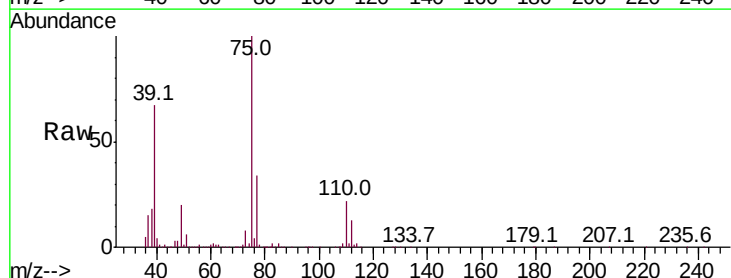
Manual Integrations
APPROVED

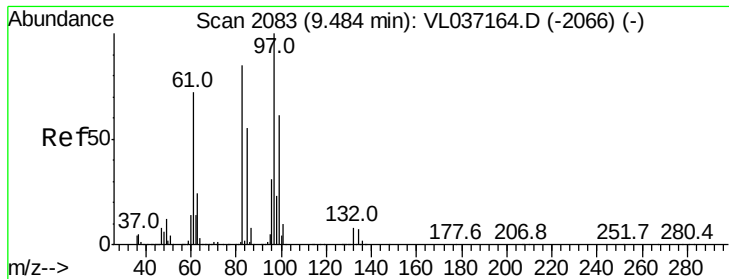
MMDadoda
6/21/2021 12:53:51 PM



#46
cis-1,3-Dichloropropene
Concen: 11.082 ppbv
RT: 8.71 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Tgt Ion: 75 Resp: 1607670
Ion Ratio Lower Upper
75 100
39 66.9 54.7 82.1
77 33.5 25.8 38.8





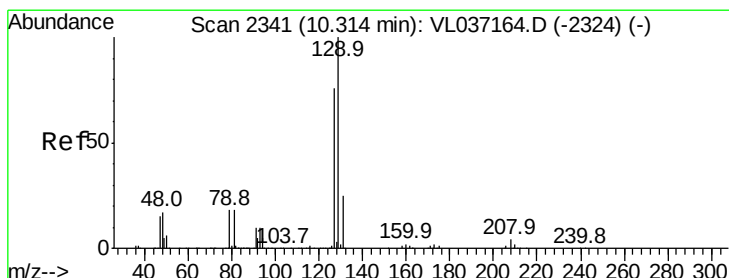
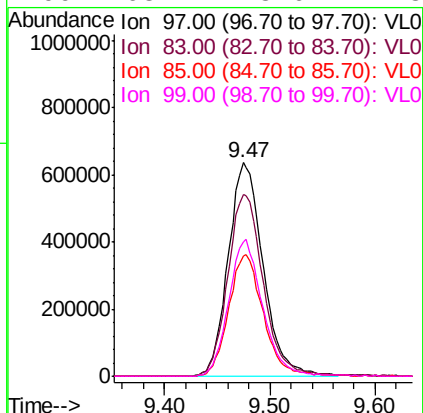
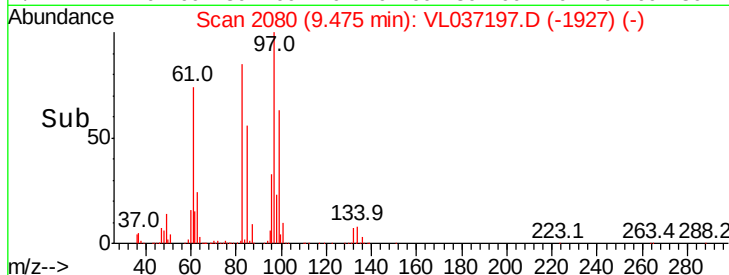
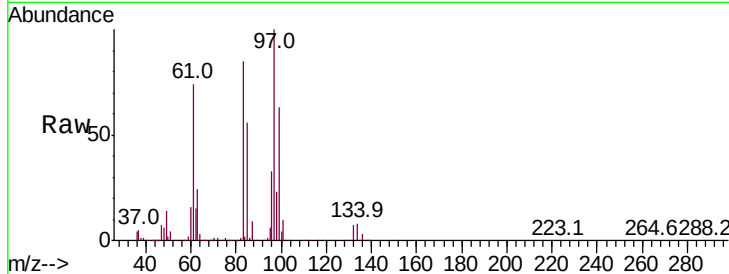
#47
 1,1,2-Trichloroethane
 Concen: 9.887 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. -0.01 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0617ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.7	68.3	102.5
85	56.2	44.1	66.1
99	63.1	48.6	72.8

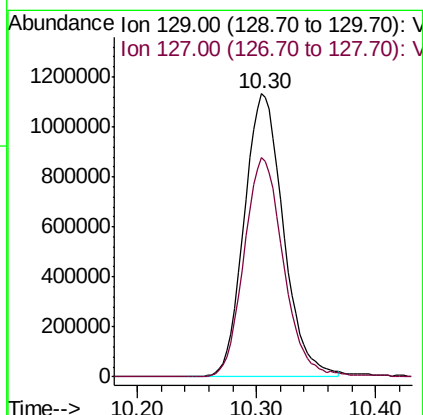
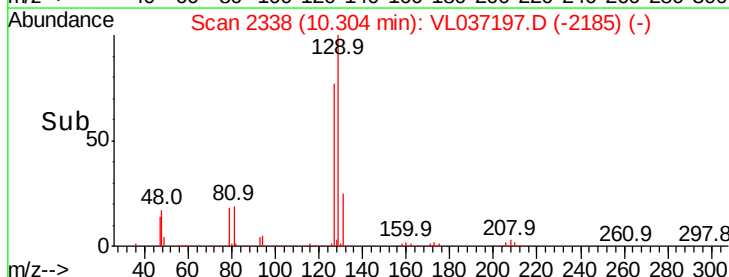
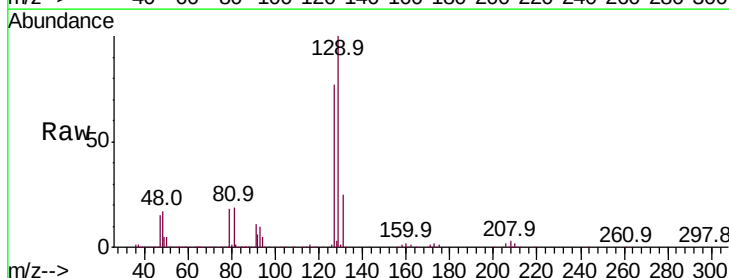
Manual Integrations
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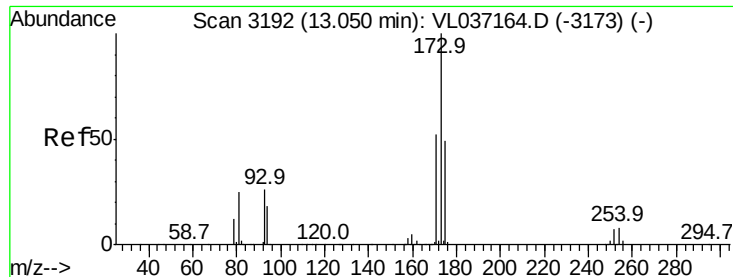
MMDadoda
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#48
 Dibromochloromethane
 Concen: 11.101 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. -0.01 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.1	117.2





#49

Bromoform

Concen: 12.157 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

Tot Ion:173 Resp: 2109663

Ion Ratio Lower Upper

173 100

175 50.4 40.2 60.4

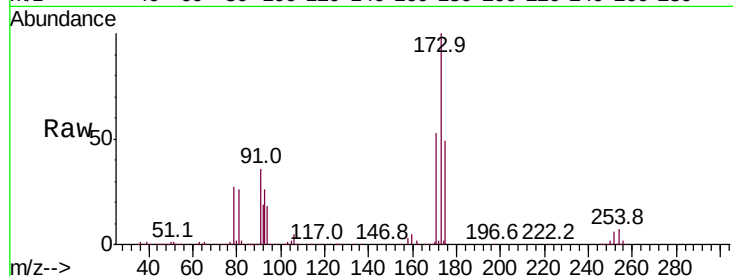
171 53.7 41.8 62.8

Manual Integrations

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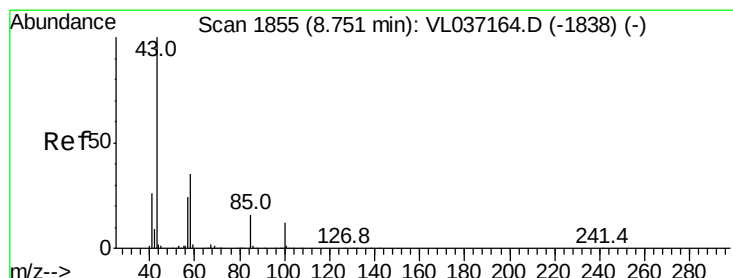
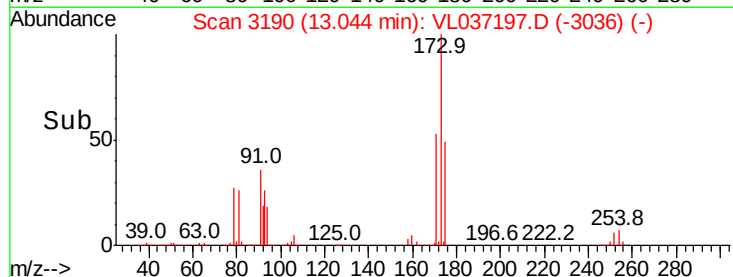
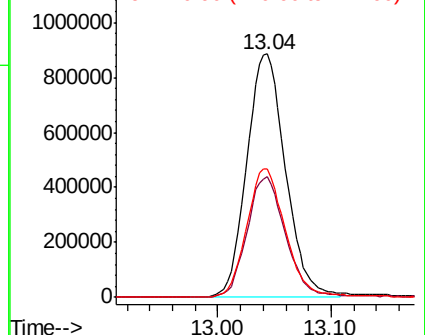
6/21/2021 12:53:51 PM



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: 10.338 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VL037197.D

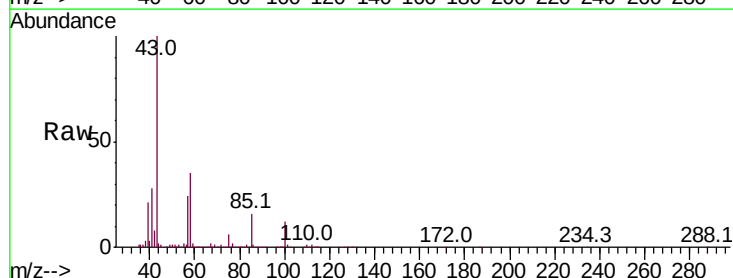
Acq: 17 Jun 2021 12:10

Tgt Ion: 43 Resp: 2376984

Ion Ratio Lower Upper

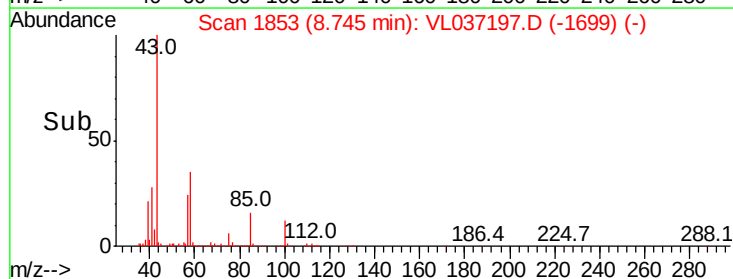
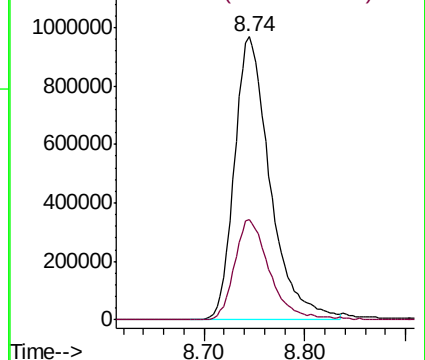
43 100

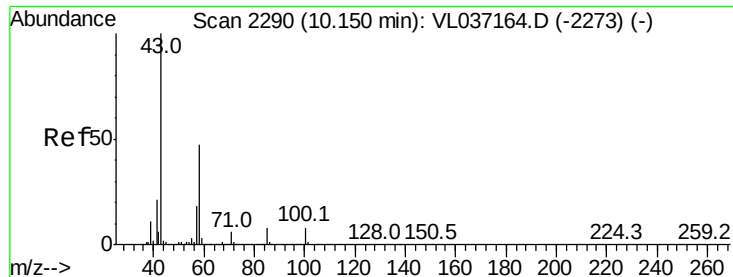
58 35.7 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





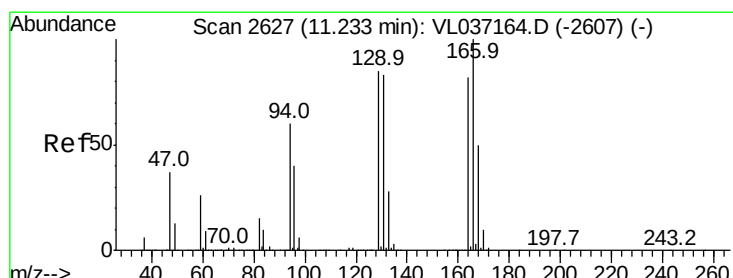
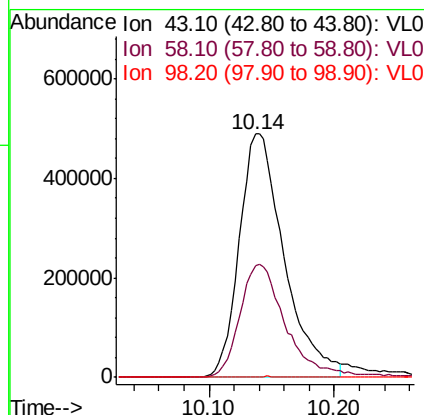
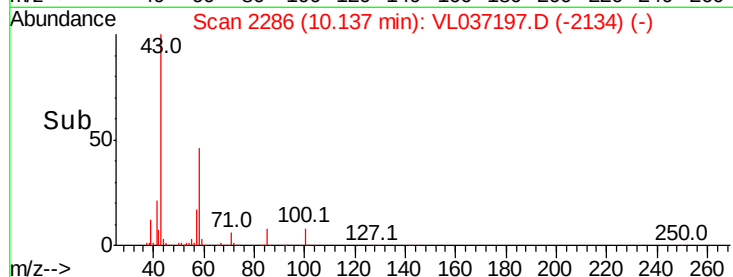
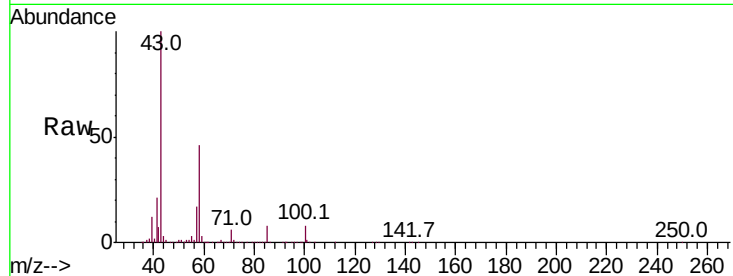
#51
2-Hexanone
Concen: 10.819 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01

Tot Ion: 43 Resp: 1210382
Ion Ratio Lower Upper
43 100
58 48.5 38.4 57.6
98 0.4 0.3 0.5

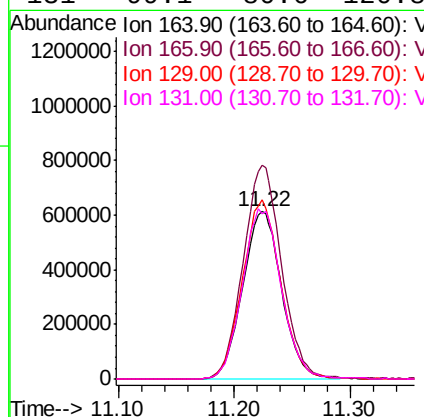
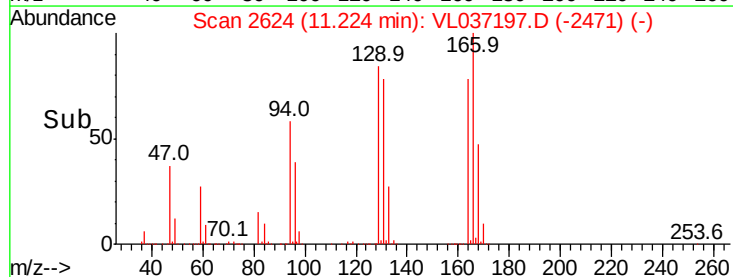
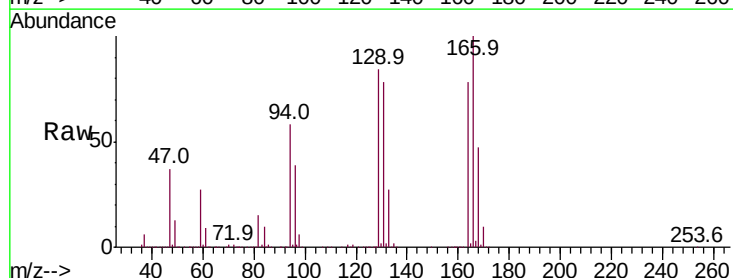
Manual Integrations
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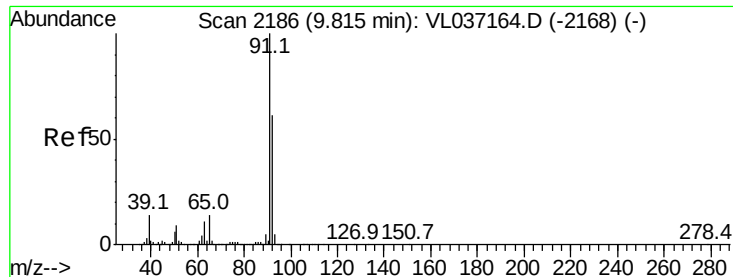
MMDadoda
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#52
Tetrachloroethene
Concen: 8.834 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Tgt Ion: 164 Resp: 1428728
Ion Ratio Lower Upper
164 100
166 127.7 97.6 146.4
129 107.1 82.9 124.3
131 99.1 80.6 120.8





#53

Toluene

Concen: 9.864 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

Tot Ion: 91 Resp: 4100985

Ion Ratio Lower Upper

91 100

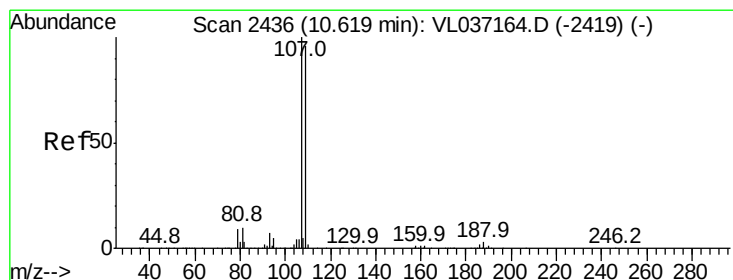
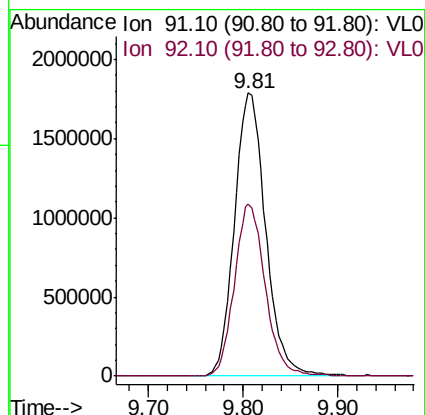
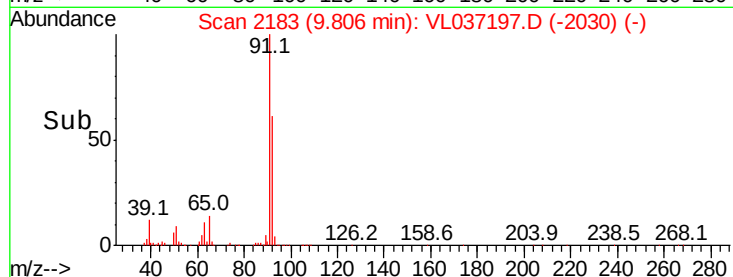
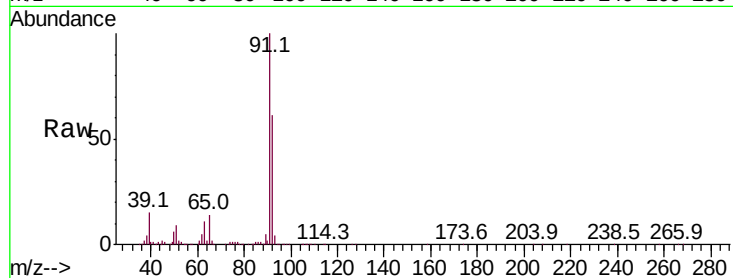
92 60.3 48.3 72.5

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 10.274 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. -0.01 min

Lab File: VL037197.D

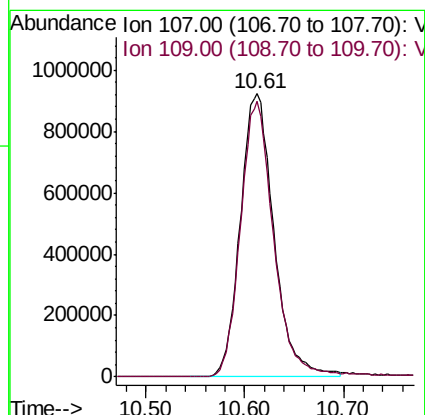
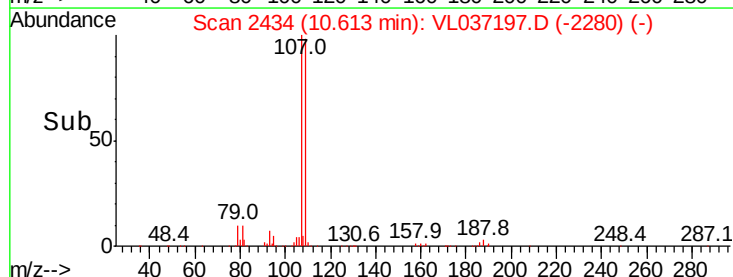
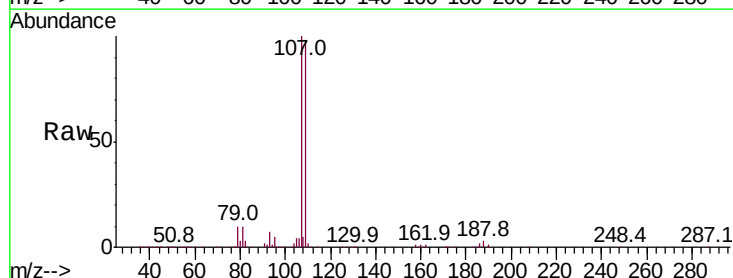
Acq: 17 Jun 2021 12:10

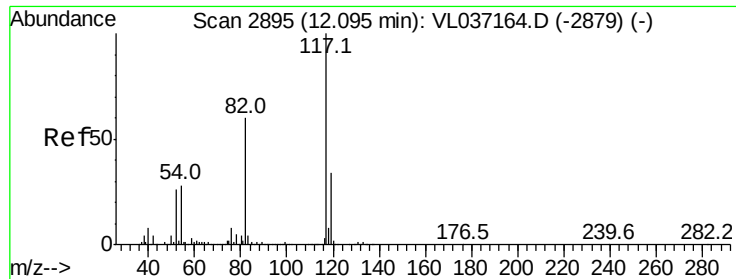
Tgt Ion: 107 Resp: 2178638

Ion Ratio Lower Upper

107 100

109 97.6 77.0 115.6





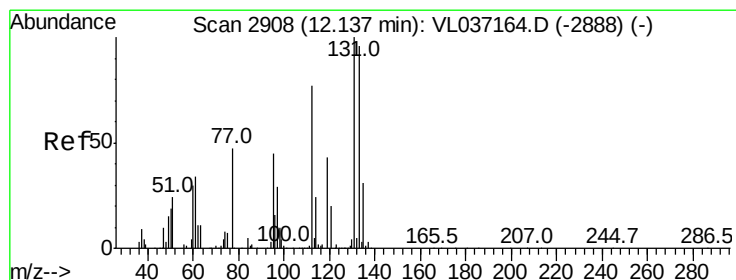
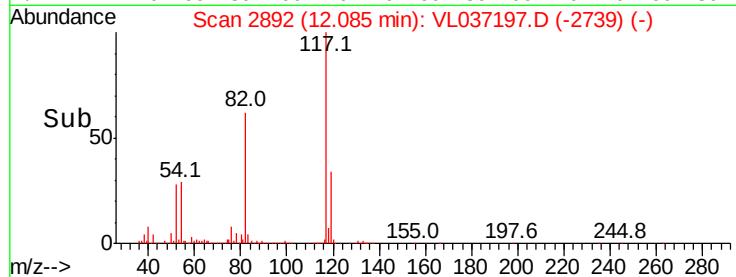
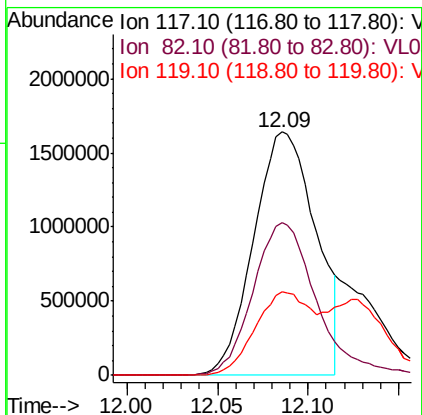
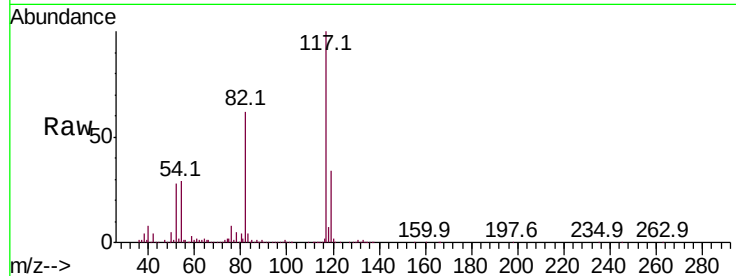
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01

Tot Ion:117 Resp: 3902132
Ion Ratio Lower Upper
117 100
82 65.2 51.7 77.5
119 35.0 47.6 71.4#

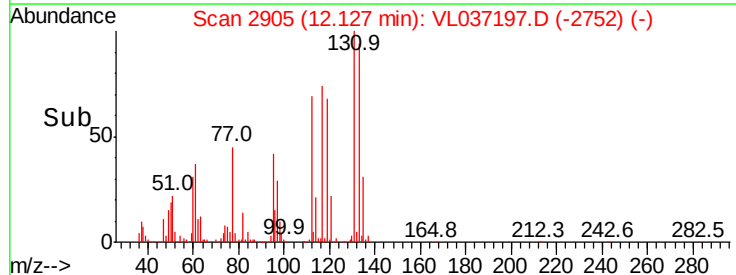
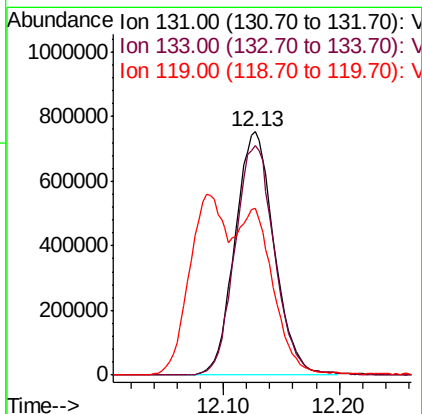
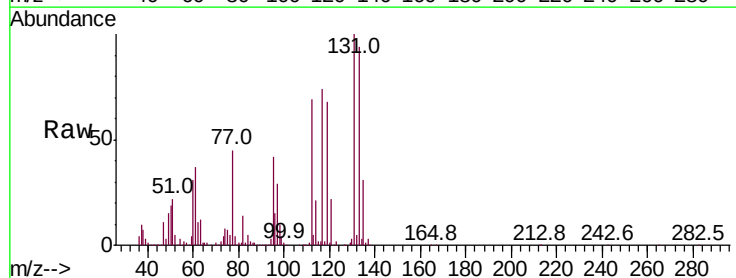
Manual Integrations
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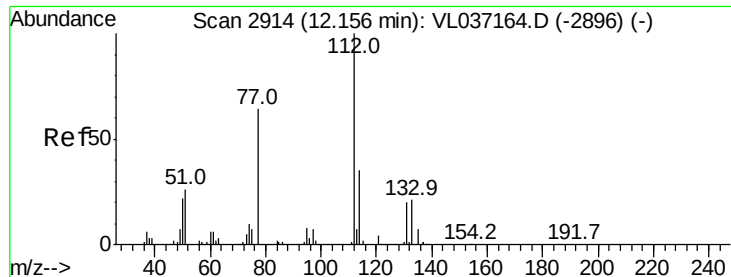
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.353 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Tgt Ion:131 Resp: 1766371
Ion Ratio Lower Upper
131 100
133 96.0 76.5 114.7
119 57.3 48.6 72.8





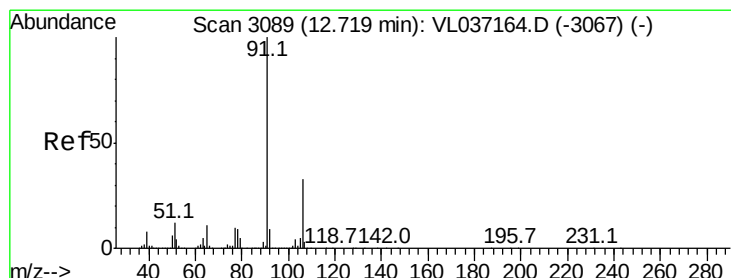
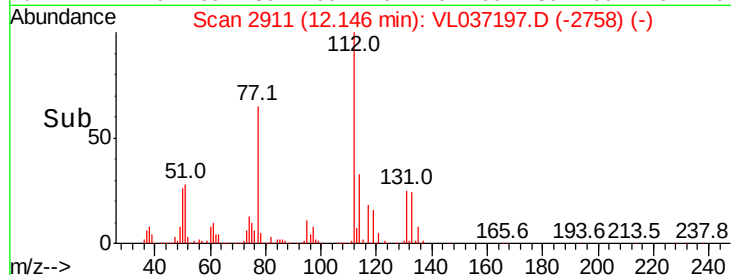
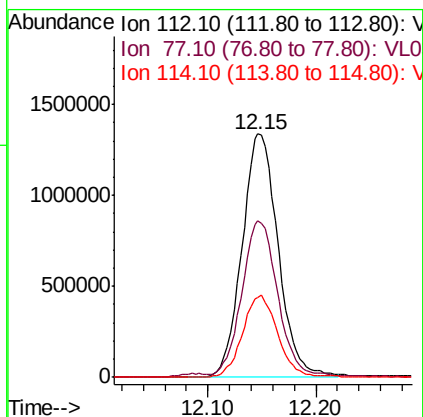
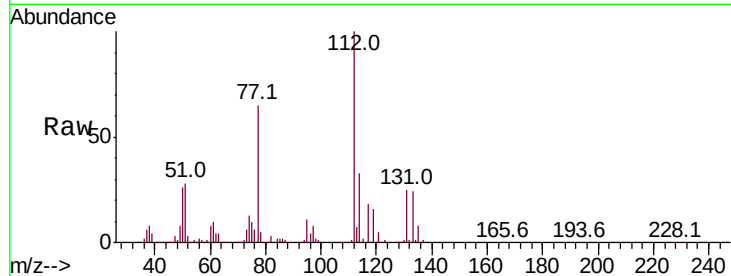
#57
Chlorobenzene
Concen: 9.842 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01

Tot Ion: 112 Resp: 3114573
Ion Ratio Lower Upper
112 100
77 63.6 52.2 78.4
114 32.9 31.1 38.1

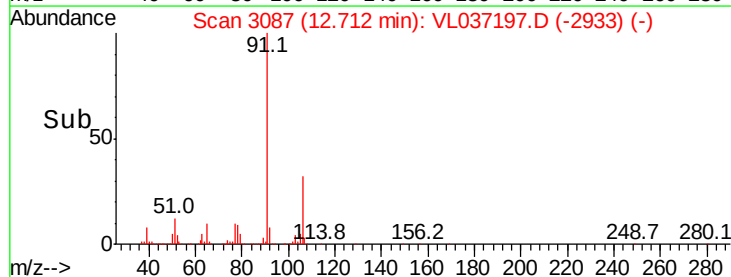
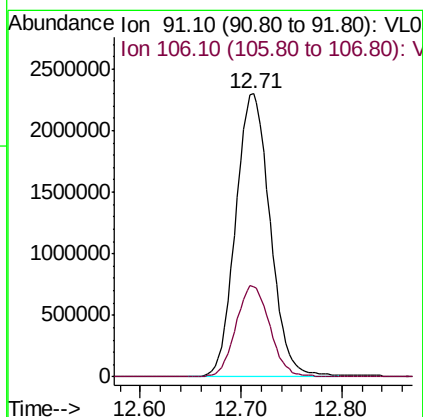
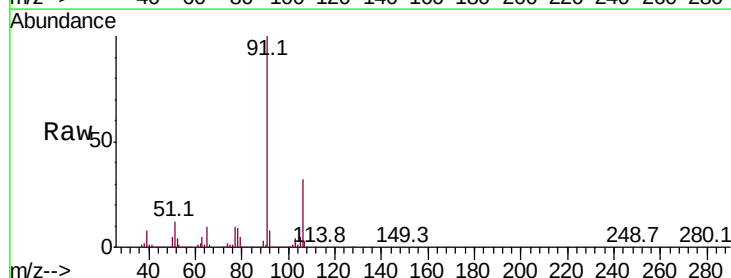
Manual Integrations
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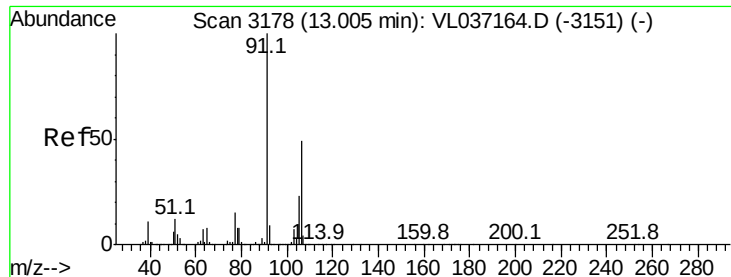
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#58
Ethyl Benzene
Concen: 10.156 ppbv
RT: 12.71 min Scan# 3087
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Tgt Ion: 91 Resp: 5455618
Ion Ratio Lower Upper
91 100
106 31.9 26.3 39.5





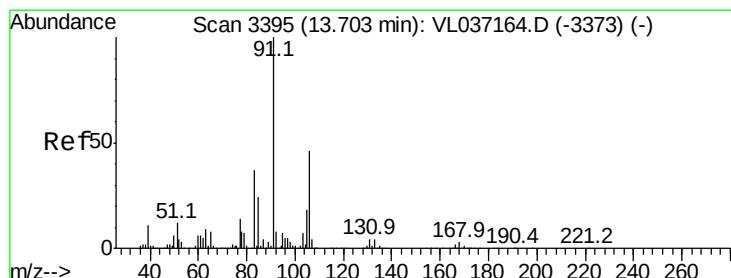
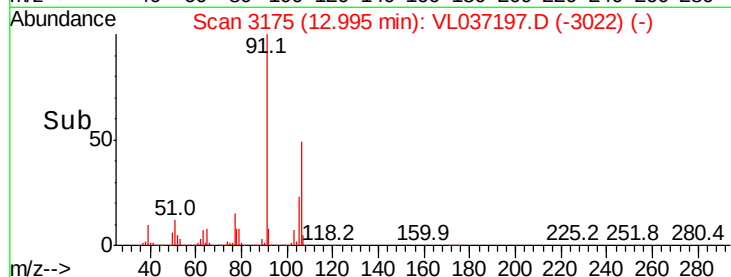
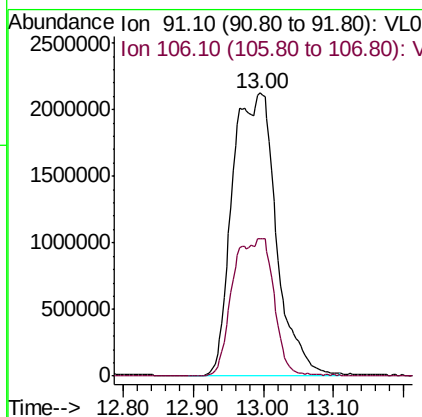
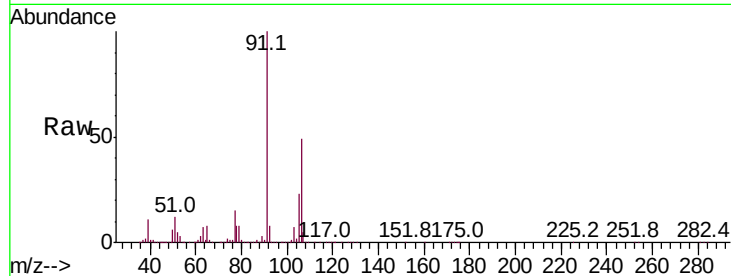
#59
m/p-Xylene
Concen: 20.284 ppbv m
RT: 13.00 min Scan# 3175
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01

Tot Ion: 91 Resp: 9233771
Ion Ratio Lower Upper
91 100
106 45.4 37.0 55.4

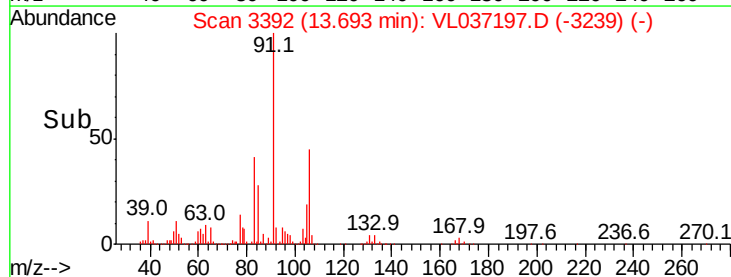
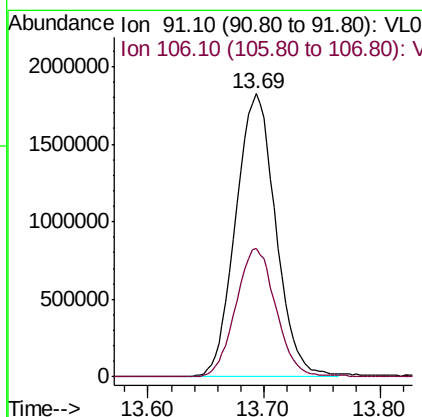
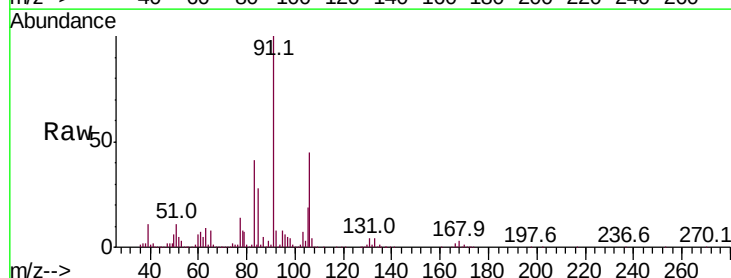
Manual Integrations
APPROVED

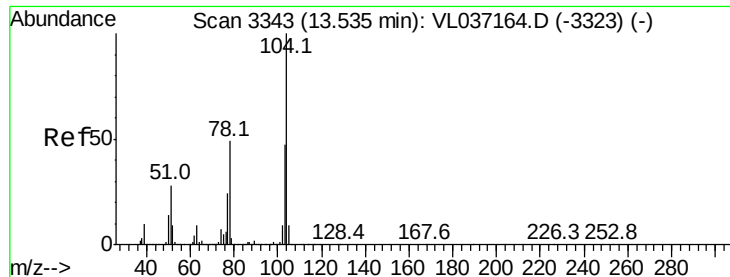
MMDadoda
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#60
o-Xylene
Concen: 10.075 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Tgt Ion: 91 Resp: 4367155
Ion Ratio Lower Upper
91 100
106 45.8 23.0 69.0





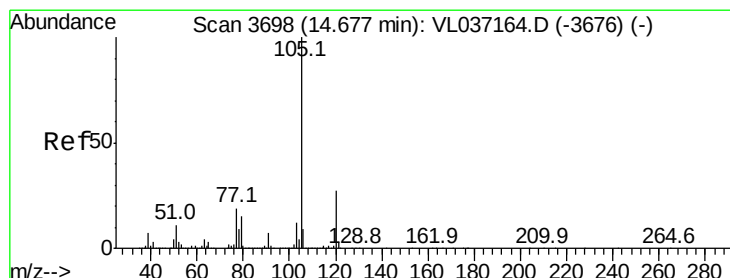
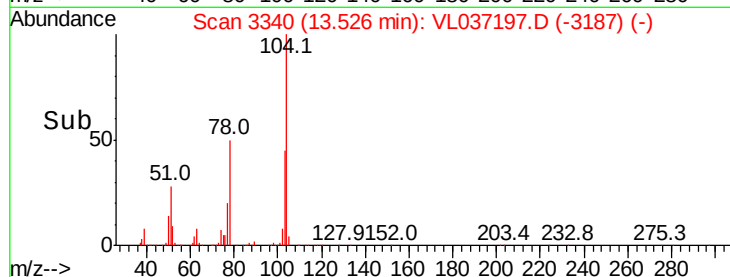
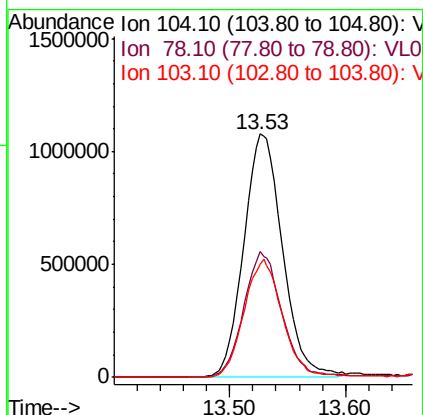
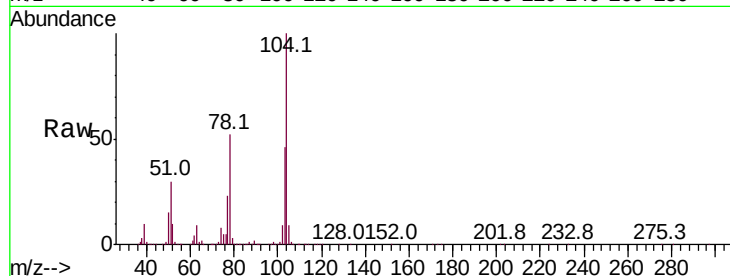
#61
Stvrene
Concen: 11.186 ppbv
RT: 13.53 min Scan# 3340
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.1	39.7	59.5
103	48.6	37.6	56.4

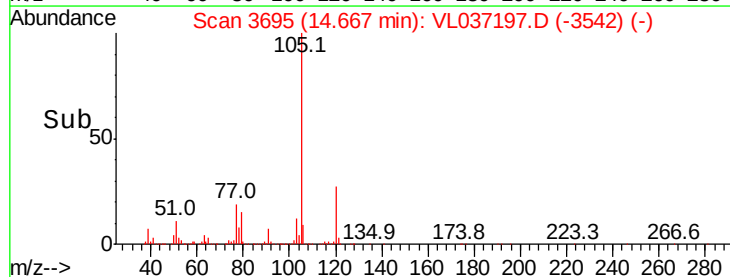
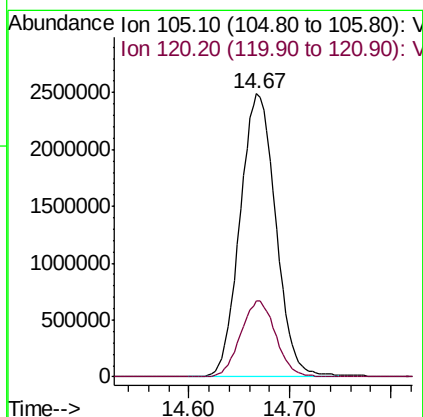
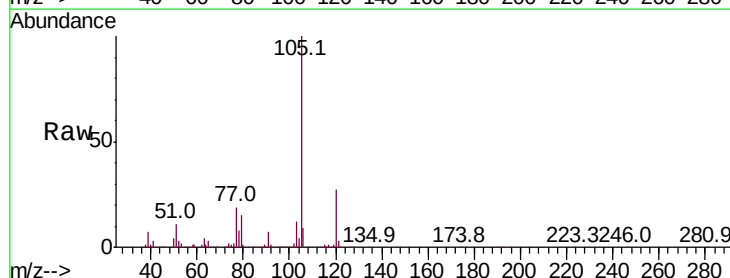
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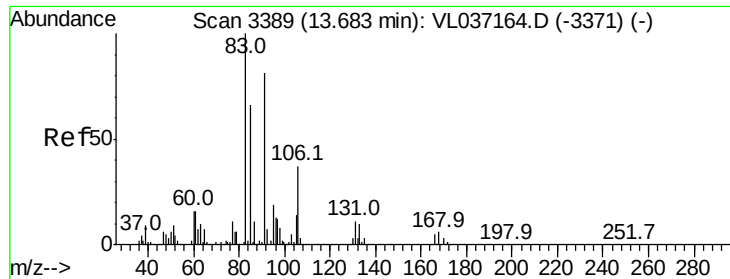
MMDadoda
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#62
Isopropylbenzene
Concen: 9.945 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	21.6	32.4





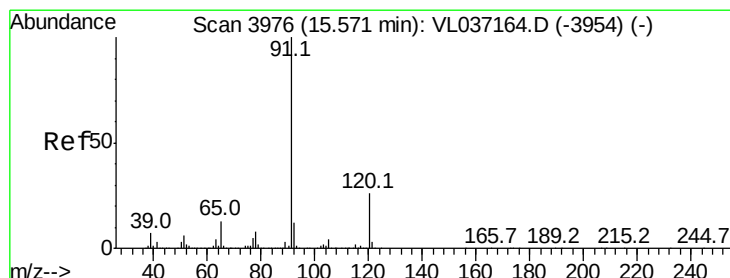
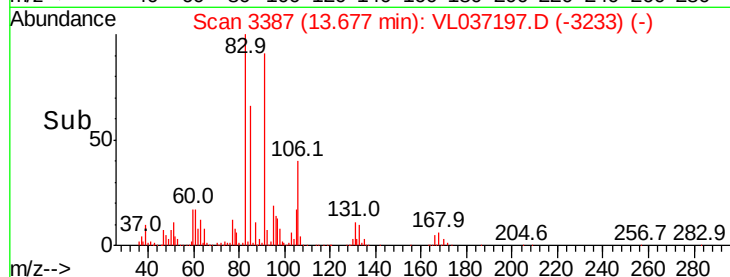
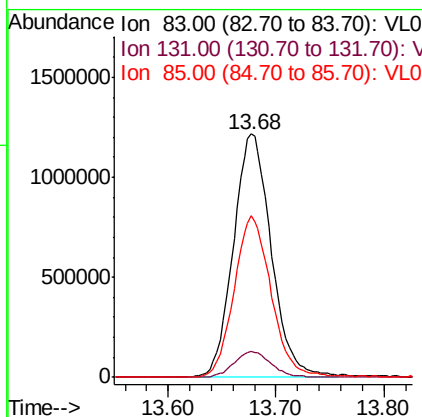
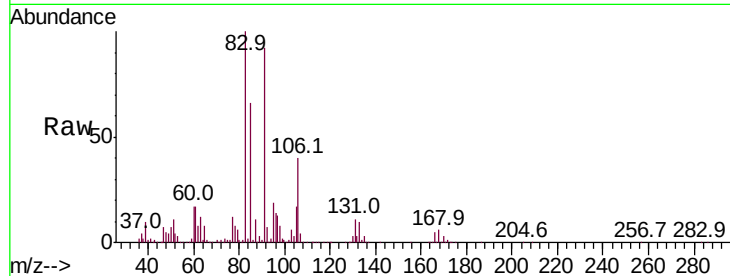
#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.274 ppbv
 RT: 13.68 min Scan# 3387
 Delta R.T. -0.01 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0617ABS01

Tot Ion	83	Resp	2965389
Ion Ratio	100	Lower	Upper
83	100		
131	10.7	5.4	16.2
85	66.0	33.1	99.2

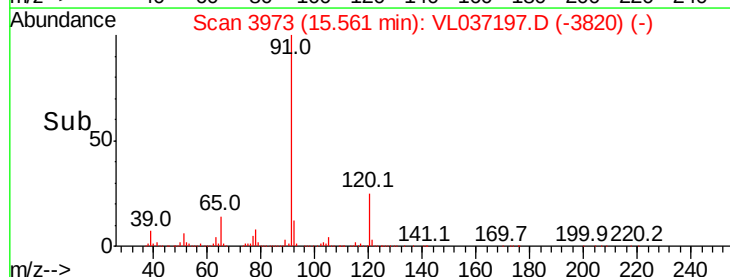
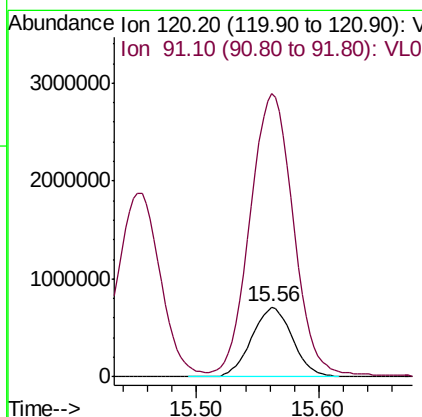
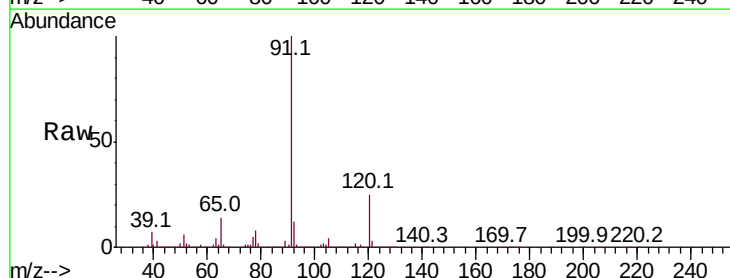
Manual Integrations
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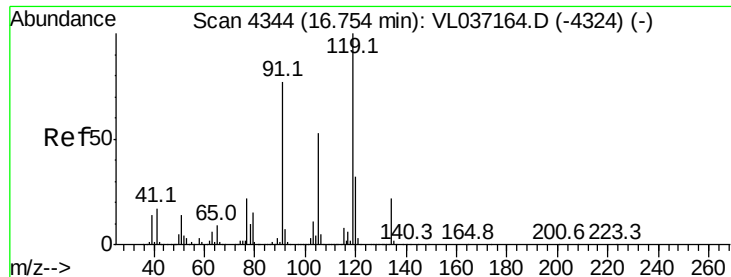
MMDadoda
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#64
 n-propylbenzene
 Concen: 10.683 ppbv
 RT: 15.56 min Scan# 3973
 Delta R.T. -0.01 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

Tgt Ion	120	Resp	1649072
Ion Ratio	100	Lower	Upper
120	100		
91	434.3	343.3	514.9





#65

tert-Butylbenzene

Concen: 10.271 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

Tot Ion:119 Resp: 5614801

Ion Ratio Lower Upper

119 100

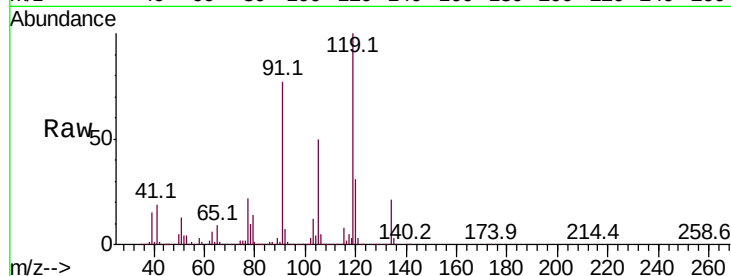
91 78.4 62.6 93.8

134 20.2 16.2 24.4

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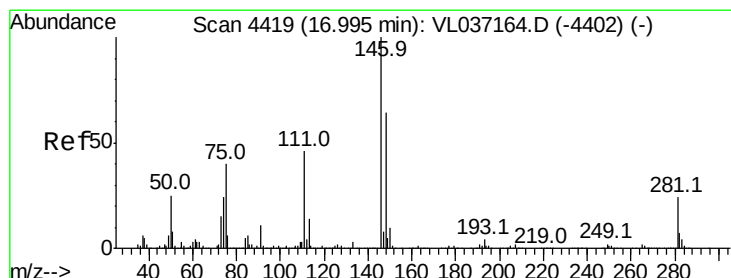
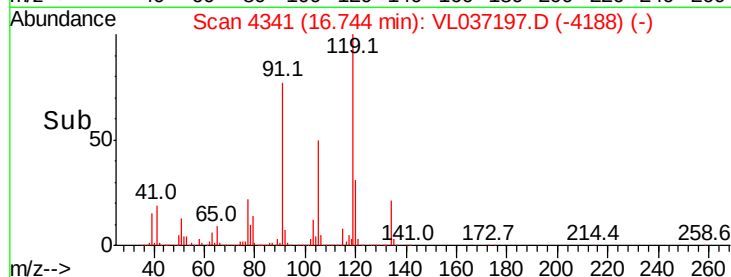
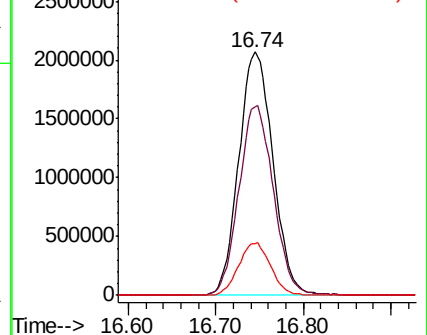
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.820 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

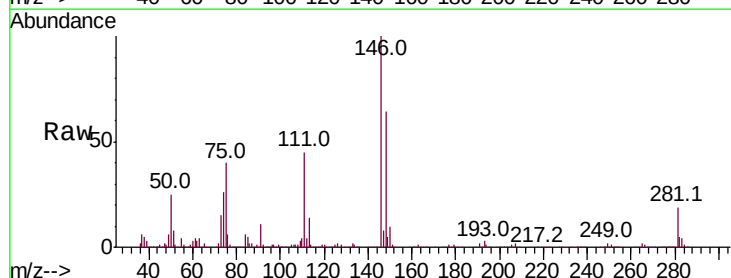
Tgt Ion: 91 Resp: 273815

Ion Ratio Lower Upper

91 100

126 18.9 15.5 23.3

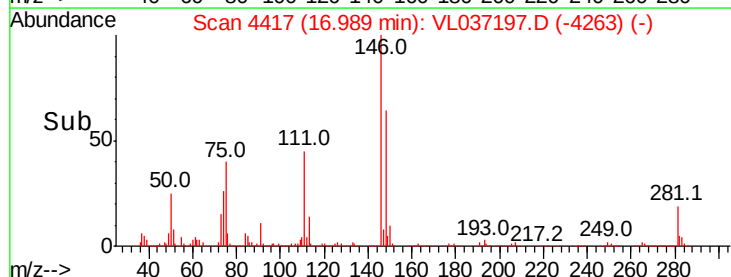
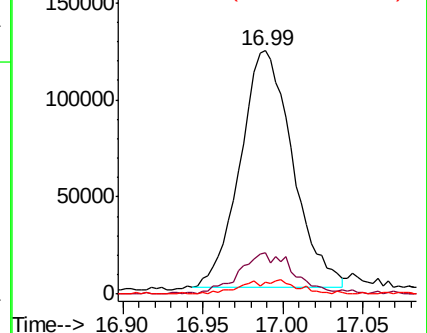
128 6.2 5.7 8.5

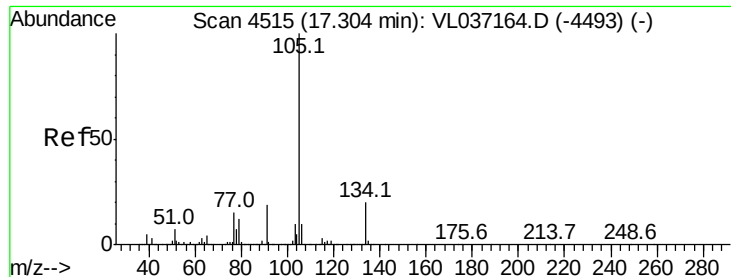


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.274 ppbv

RT: 17.29 min Scan# 4512

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

Tot Ion: 105 Resp: 7489570

Ion Ratio Lower Upper

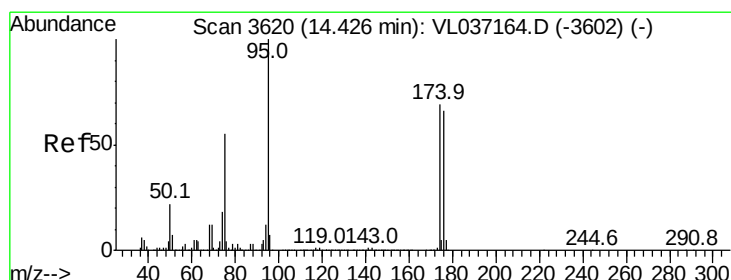
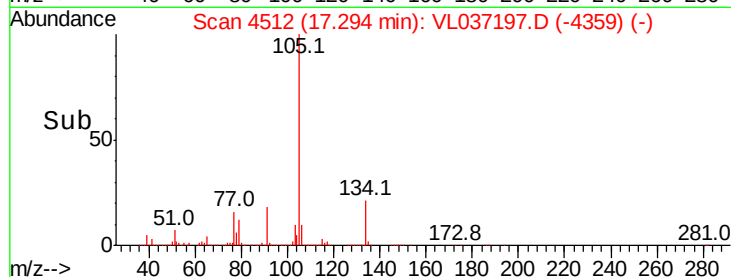
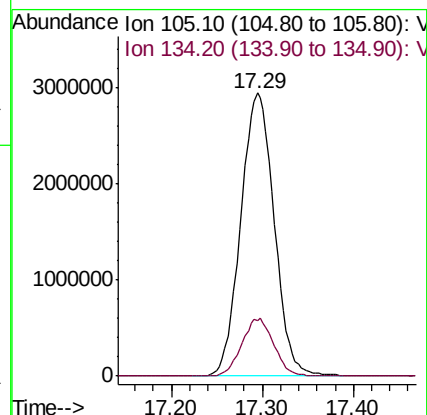
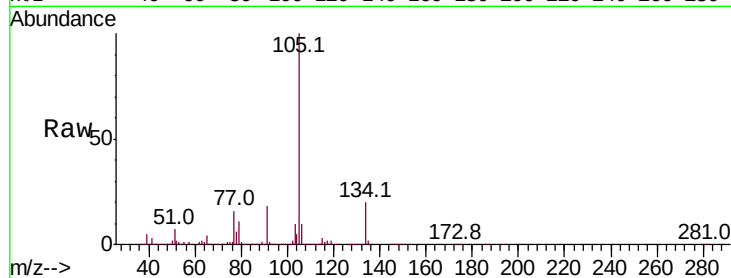
105 100

134 19.6 15.8 23.6

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.471 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

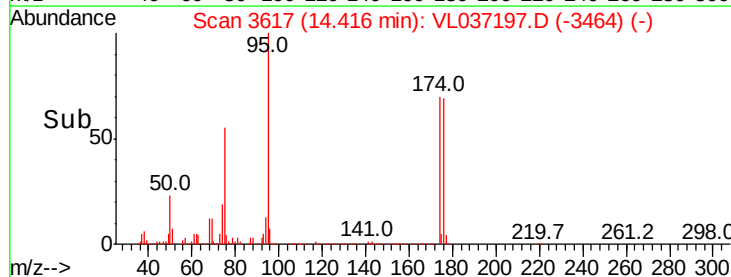
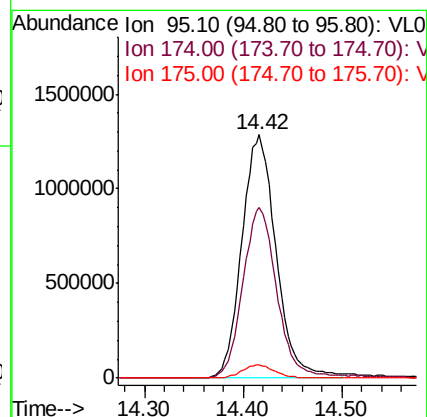
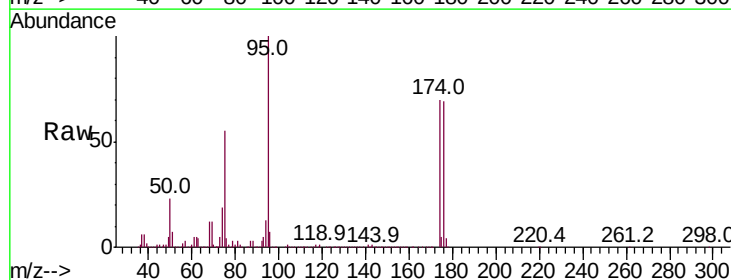
Tgt Ion: 95 Resp: 3096268

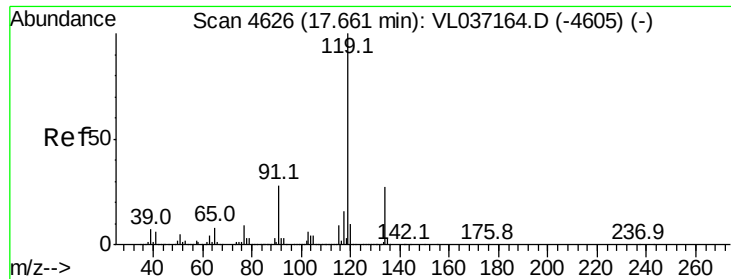
Ion Ratio Lower Upper

95 100

174 71.1 57.0 85.4

175 5.2 4.4 6.6





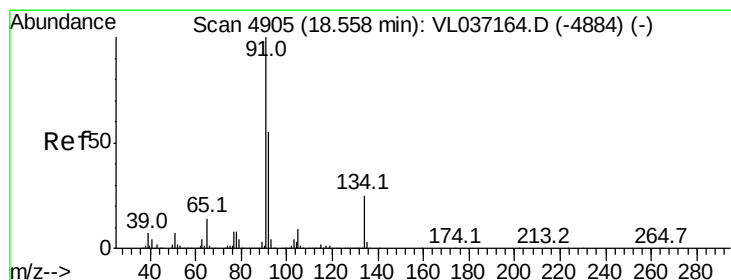
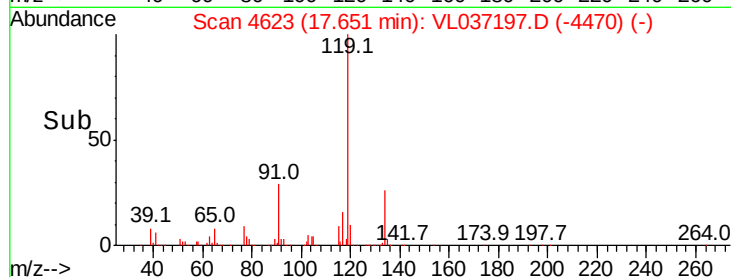
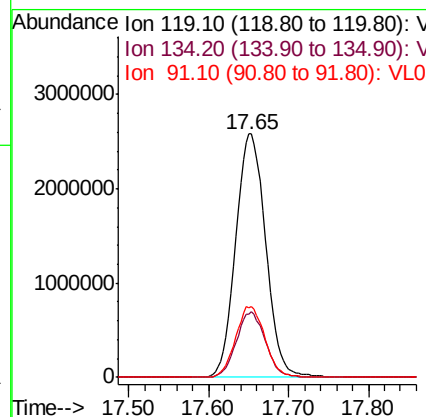
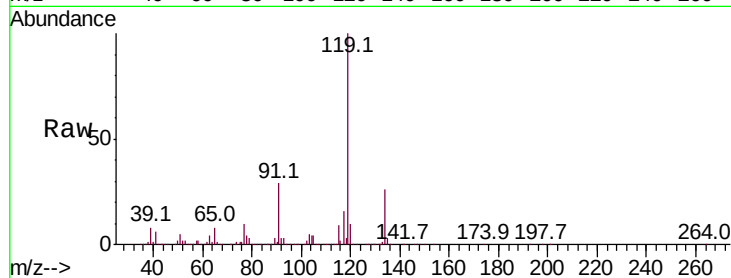
#69
 p-Isopropyltoluene
 Concen: 10.635 ppbv
 RT: 17.65 min Scan# 4623
 Delta R.T. -0.01 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0617ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.9	31.3
91	28.3	22.6	34.0

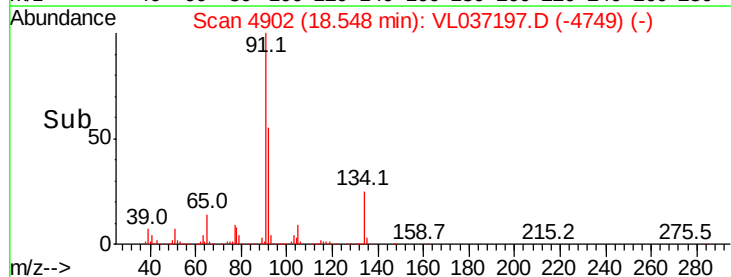
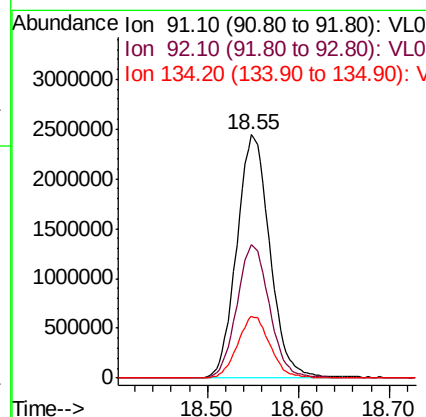
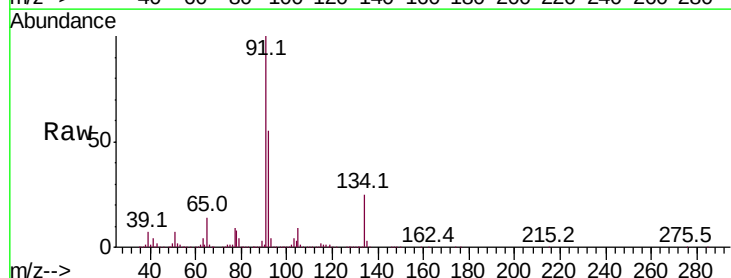
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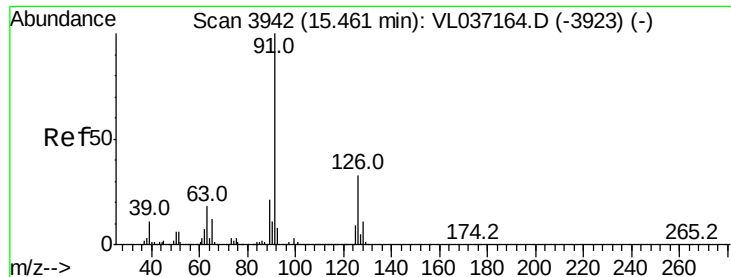
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#70
 n-Butylbenzene
 Concen: 10.811 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. -0.01 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.9	44.0	66.0
134	25.2	20.2	30.4





#71

2-Chlorotoluene

Concen: 10.430 ppbv

RT: 15.45 min Scan# 3939

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

Tot Ion: 91 Resp: 4494571

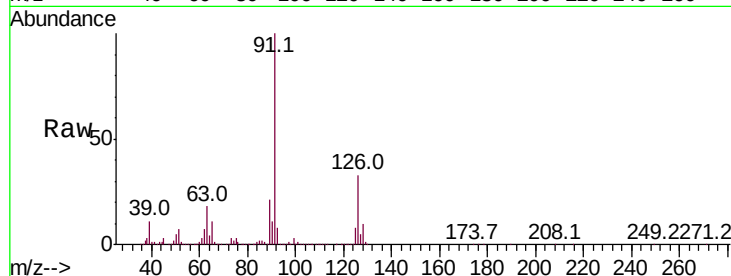
Ion Ratio Lower Upper

91 100

126 33.4 13.5 54.1

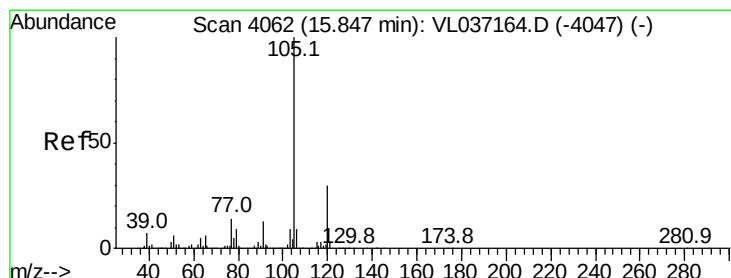
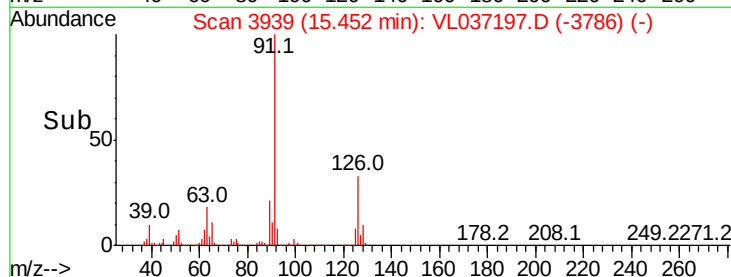
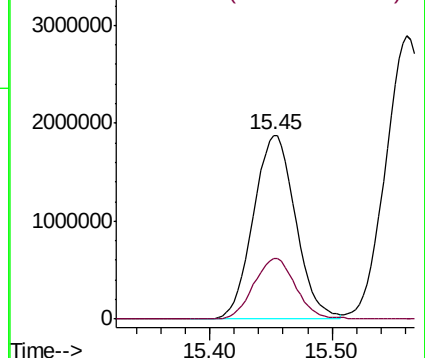
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): VL0



#72

4-Ethyltoluene

Concen: 10.849 ppbv

RT: 15.84 min Scan# 4060

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Tgt Ion: 105 Resp: 5342192

Ion Ratio Lower Upper

105 100

120 30.5 24.7 37.1

91 12.8 10.2 15.4

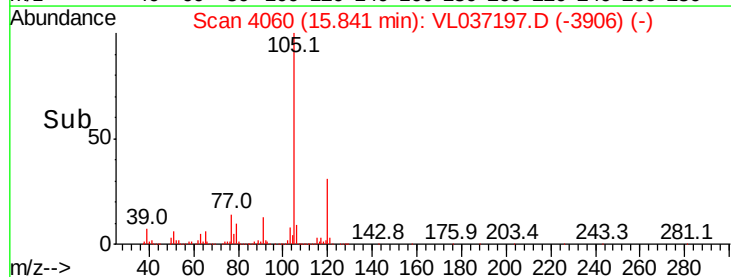
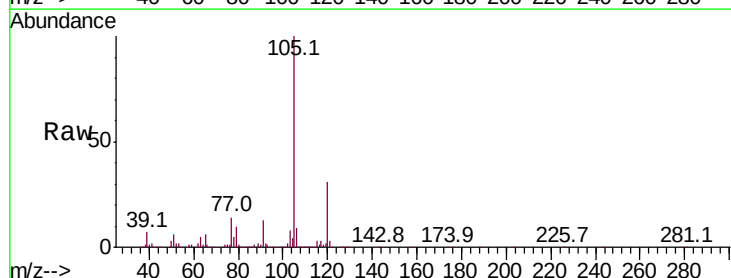
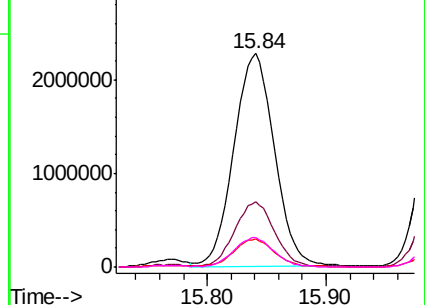
77 13.6 11.0 16.6

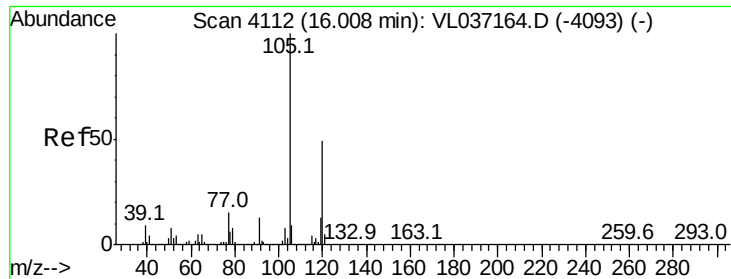
Abundance Ion 105.10 (104.80 to 105.80): VL0

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





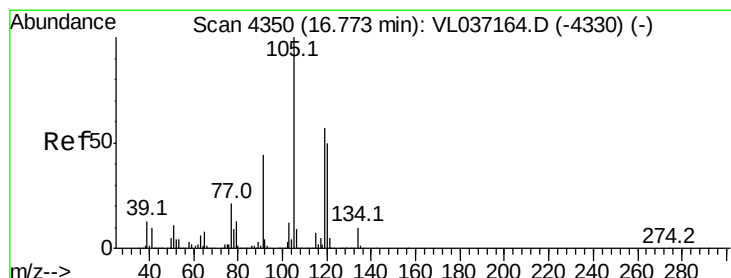
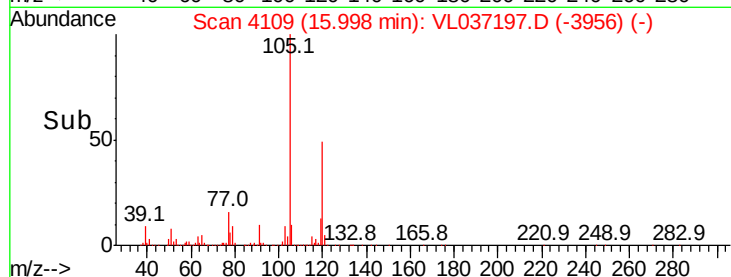
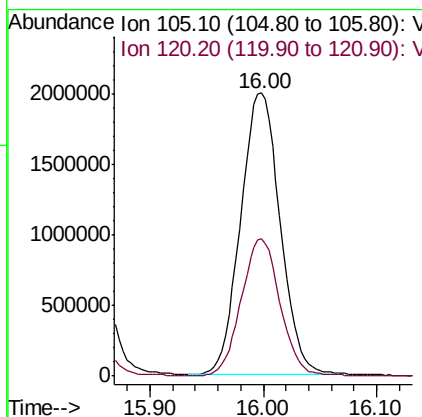
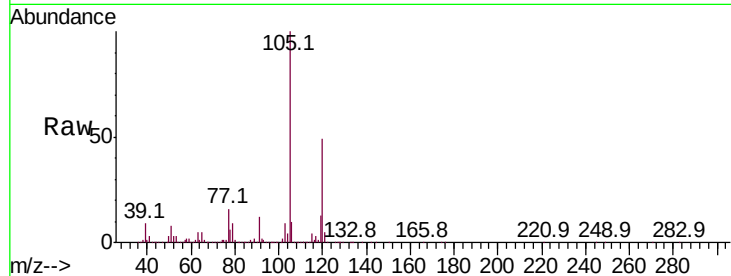
#73
 1,3,5-Trimethylbenzene
 Concen: 10.168 ppbv
 RT: 16.00 min Scan# 4109
 Delta R.T. -0.01 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0617ABS01

Tot Ion:105 Resp: 4839874
 Ion Ratio Lower Upper
 105 100
 120 48.8 39.4 59.2

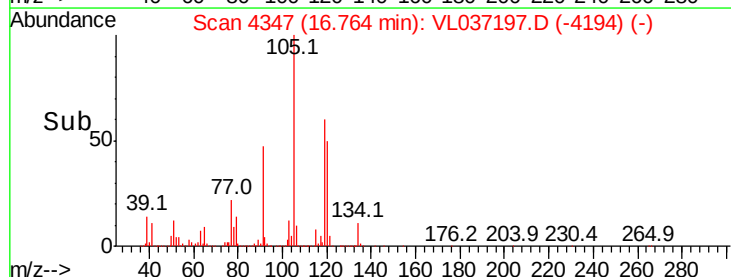
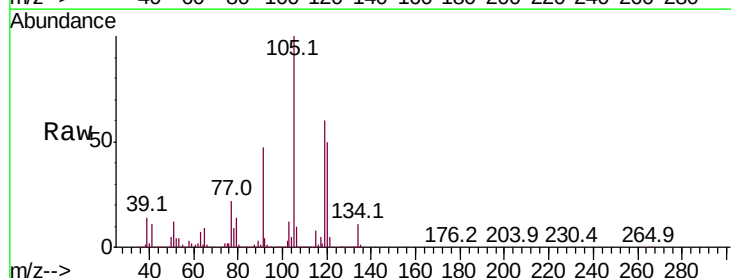
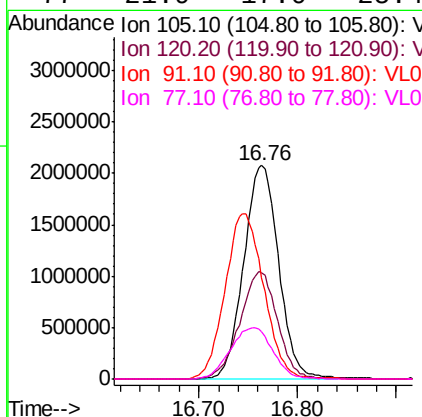
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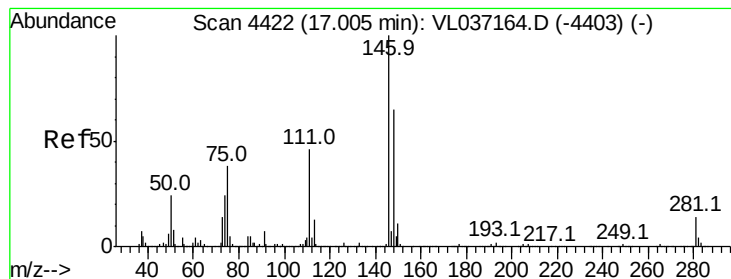
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#74
 1,2,4-Trimethylbenzene
 Concen: 10.363 ppbv
 RT: 16.76 min Scan# 4347
 Delta R.T. -0.01 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

Tgt Ion:105 Resp: 5082755
 Ion Ratio Lower Upper
 105 100
 120 49.5 39.8 59.8
 91 46.9 37.0 55.4
 77 21.9 17.0 25.4





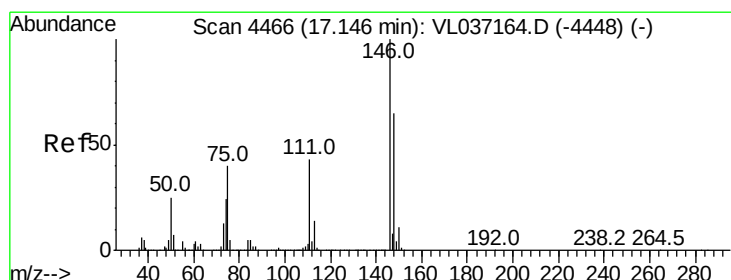
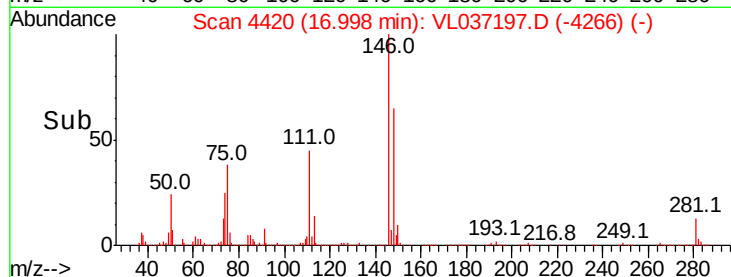
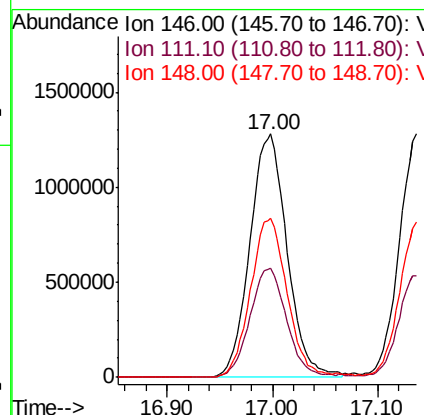
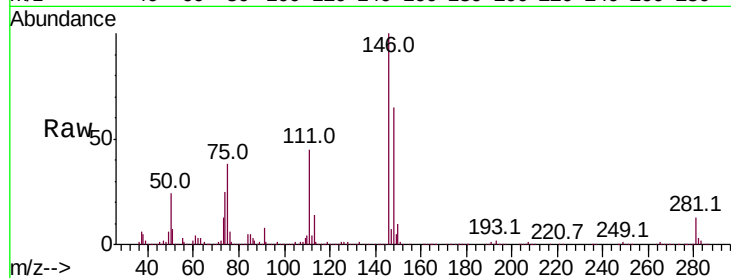
#75
 1,3-Dichlorobenzene
 Concen: 10.549 ppbv
 RT: 17.00 min Scan# 4420
 Delta R.T. -0.01 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0617ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.2	66.6
148	64.8	32.4	97.2

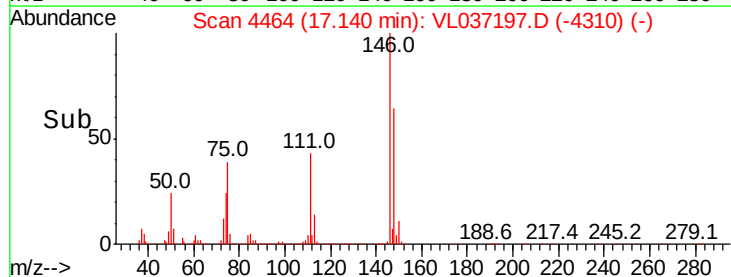
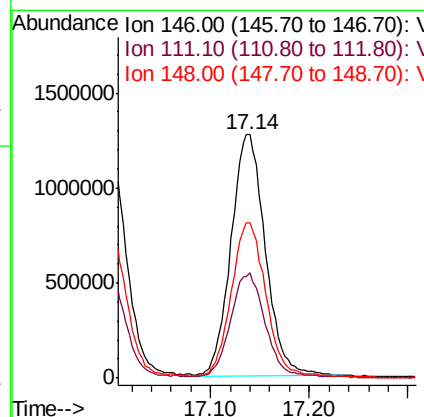
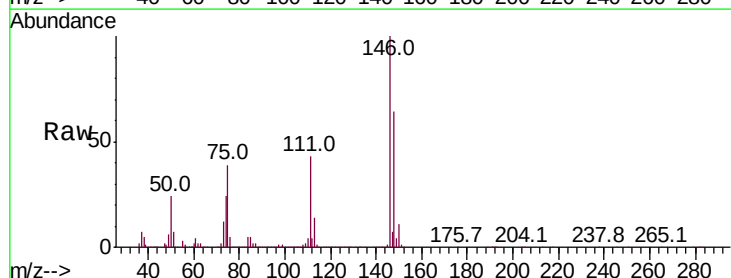
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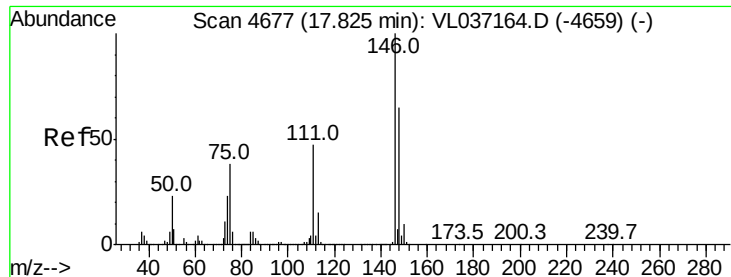
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#76
 1,4-Dichlorobenzene
 Concen: 10.401 ppbv
 RT: 17.14 min Scan# 4464
 Delta R.T. -0.01 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.7	68.0
148	65.6	33.7	101.1





#77

1,2-Dichlorobenzene

Concen: 10.522 ppbv

RT: 17.82 min Scan# 4674

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

Instrument :

MSVOA_L

ClientSampleId :

VL0617ABS01

Tot Ion:146 Resp: 3035463

Ion Ratio Lower Upper

146 100

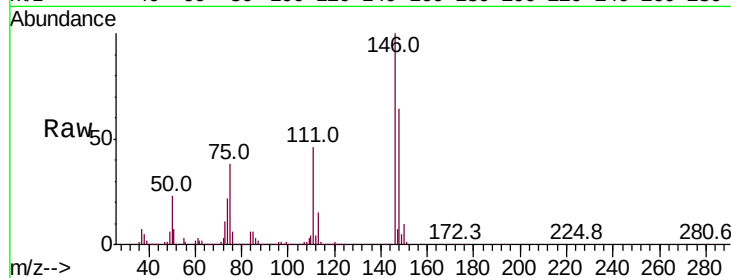
111 46.3 23.3 69.8

148 64.8 32.4 97.0

Manual Integrations
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MMDadoda

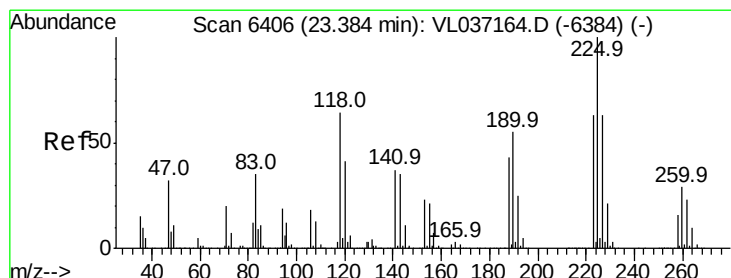
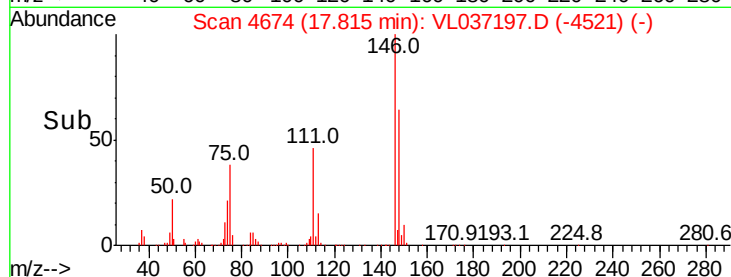
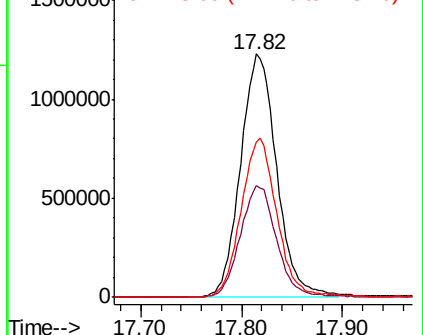
6/21/2021 12:53:51 PM



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: 8.058 ppbv

RT: 23.38 min Scan# 6404

Delta R.T. -0.01 min

Lab File: VL037197.D

Acq: 17 Jun 2021 12:10

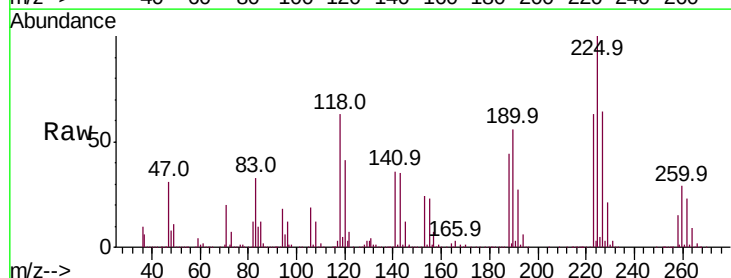
Tgt Ion:225 Resp: 1998656

Ion Ratio Lower Upper

225 100

223 65.5 51.8 77.8

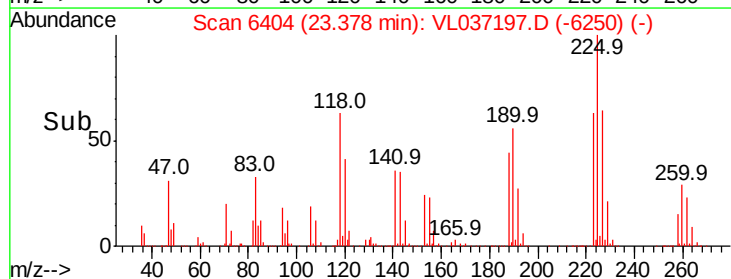
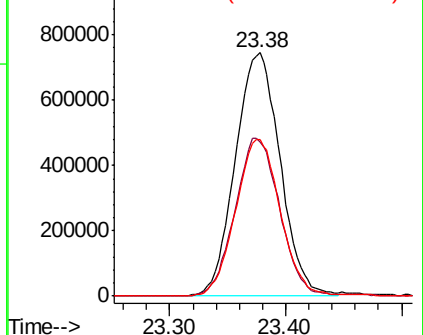
227 64.9 51.4 77.0

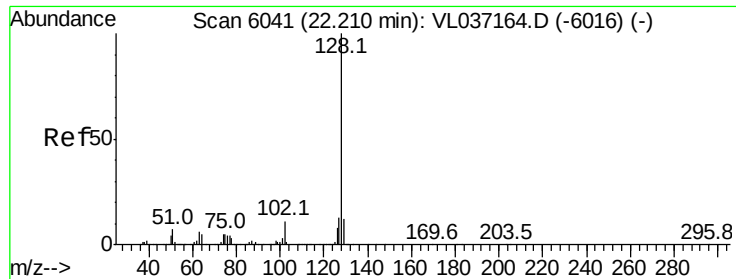


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





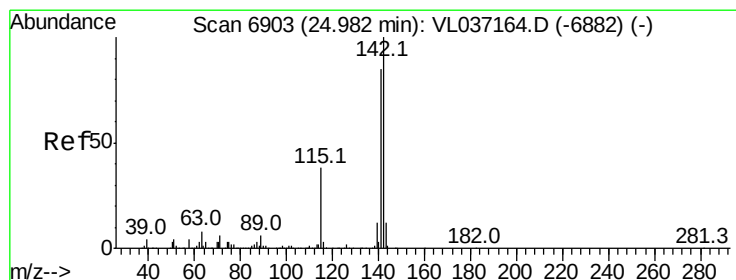
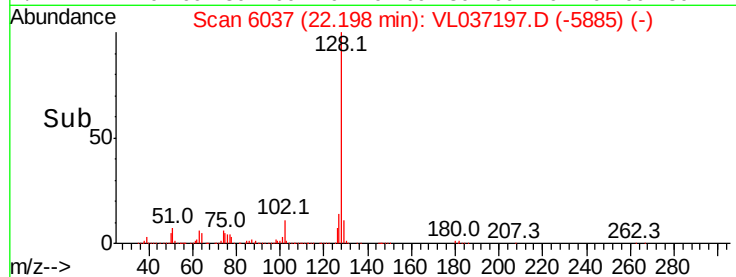
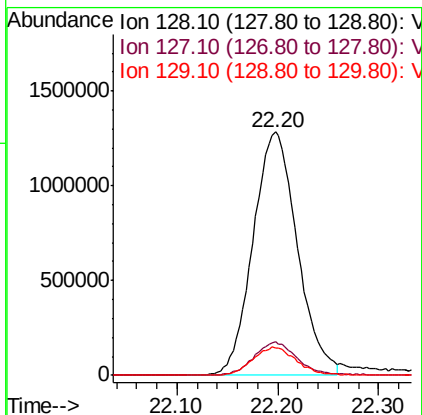
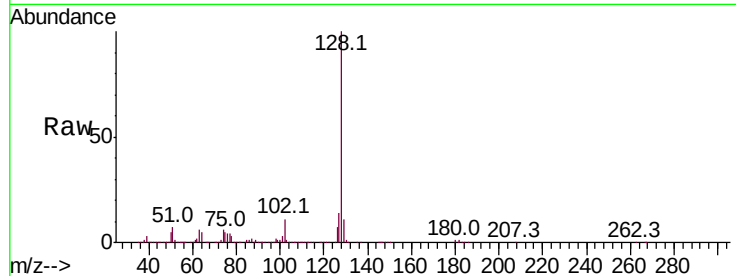
#79
Naphthalene
Concen: 9.561 ppbv
RT: 22.20 min Scan# 6037
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0617ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.7	16.1
129	11.1	9.3	13.9

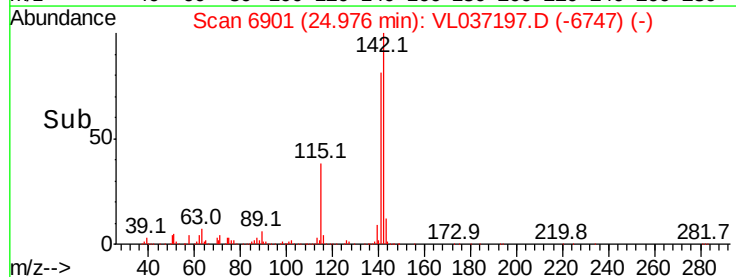
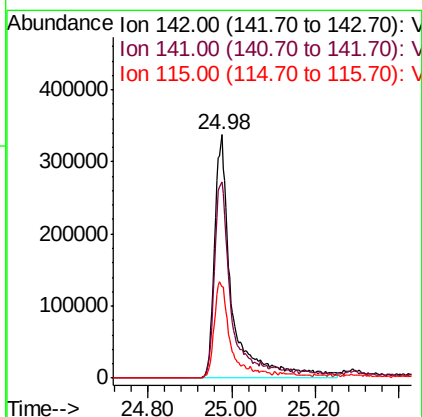
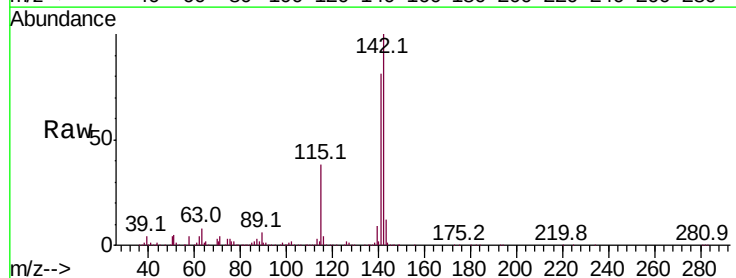
Manual Integrations
APPROVED

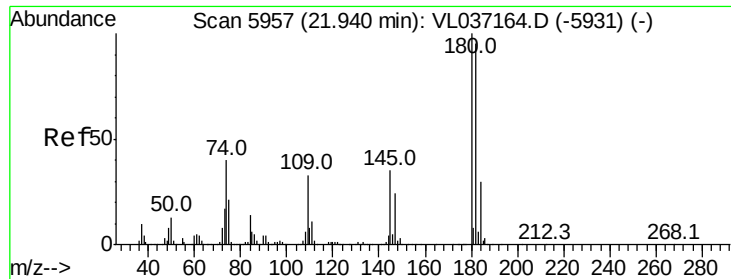
MMDadoda
6/21/2021 12:53:51 PM



#80
Naphthalene, 2-methyl-
Concen: 8.989 ppbv
RT: 24.98 min Scan# 6901
Delta R.T. -0.01 min
Lab File: VL037197.D
Acq: 17 Jun 2021 12:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.3	63.7	95.5
115	37.0	30.6	45.8





#81
 1,2,4-Trichlorobenzene
 Concen: 9.373 ppbv
 RT: 21.93 min Scan# 5953
 Delta R.T. -0.01 min
 Lab File: VL037197.D
 Acq: 17 Jun 2021 12:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0617ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.2	79.3	118.9
184	32.1	24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
 6/21/2021 12:53:51 PM

