

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037464.D
 Acq On : 16 Aug 2021 16:44
 Operator : SY/AP
 Sample : VL0816ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

Manual Integrations
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 8/19/2021 5:59:24 PM

Quant Time: Aug 17 02:49:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:49:11 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1524644	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4461302	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4041298m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3005061	10.47	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1946867	7.958	ppbv	96
3) Chlorodifluoromethane	2.98	51	2594824	8.888	ppbv	99
4) Chloromethane	3.13	50	921360	8.831	ppbv	92
5) Vinyl Chloride	3.25	62	956633	8.950	ppbv	96
6) Bromomethane	3.47	94	472225	8.065	ppbv	99
7) Chloroethane	3.55	64	329096	9.021	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	2210426	8.753	ppbv	99
9) Propene	3.00	41	925184	8.857	ppbv	99
10) Heptane	8.11	43	2302165	9.575	ppbv	98
11) Trichlorofluoromethane	3.94	101	2060376	8.973	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1594560	9.463	ppbv	98
13) Ethanol	3.60	45	68479	6.737	ppbv #	64
14) Bromoethene	3.73	108	689592	9.015	ppbv	97
15) Acetone	3.84	43	1170191	7.542	ppbv	97
16) 1,3-Butadiene	3.32	39	949708	9.542	ppbv	98
17) tert-Butyl alcohol	4.28	59	1407363	9.929	ppbv	100
18) 1,1-Dichloroethene	4.28	96	691933	9.040	ppbv	99
19) Isopropyl Alcohol	3.96	45	818151	9.204	ppbv #	1
20) Methylene Chloride	4.33	84	622672	8.015	ppbv	93
21) Allyl Chloride	4.40	41	1135362	9.009	ppbv	96
22) trans-1,2-Dichloroethene	4.87	96	731777	9.583	ppbv	97
23) Vinyl Acetate	5.06	43	1892988	8.277	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1509265	9.099	ppbv	99
25) Ethyl Acetate	5.66	43	3594426	9.125	ppbv	99
26) Hexane	5.67	57	1695500	8.804	ppbv	100
27) Carbon Disulfide	4.54	76	1796598	10.468	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1577227	8.527	ppbv	99
29) Chloroform	5.74	83	2433029	8.914	ppbv	99
30) Cyclohexane	7.12	84	1460592	9.102	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1641124	9.415	ppbv	99
32) 1,1,1-Trichloroethane	6.50	97	2412809	8.997	ppbv	98
34) 2-Butanone	5.23	43	1478866	8.118	ppbv	98
35) Carbon Tetrachloride	7.01	117	2557040	9.698	ppbv	99
36) Benzene	6.88	78	3596927	9.591	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1784869	9.608	ppbv	99
38) Trichloroethene	7.82	130	1408618	9.154	ppbv	94
39) 1,2-Dichloropropane	7.60	63	1382714	9.595	ppbv	97
40) 1,4-Dioxane	7.83	88	343620m	9.733	ppbv	
41) Tetrahydrofuran	6.04	42	853188	9.722	ppbv	99
42) Bromodichloromethane	7.78	83	2676498	9.853	ppbv	96
43) Methyl Methacrylate	8.00	69	1294953	9.907	ppbv	99

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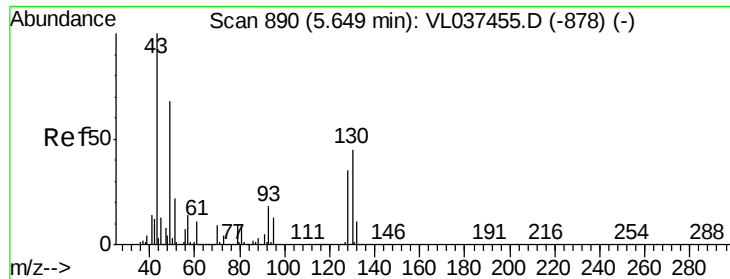
Manual Integrations
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Quant Time: Aug 17 02:49:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5899129	9.346	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	883379	8.977	ppbv	96
46) cis-1,3-Dichloropropene	8.69	75	1181018	8.604	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1447476	9.296	ppbv	94
48) Dibromochloromethane	10.29	129	2339172	10.439	ppbv	99
49) Bromoform	13.02	173	1898018	10.745	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2396916	10.085	ppbv	98
51) 2-Hexanone	10.12	43	1127134	10.310	ppbv #	100
52) Tetrachloroethene	11.21	164	1337592	8.704	ppbv	97
53) Toluene	9.79	91	4160509	9.716	ppbv	99
54) 1,2-Dibromoethane	10.59	107	2053099	9.445	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.11	131	1609203	9.556	ppbv	100
57) Chlorobenzene	12.13	112	3010465	8.976	ppbv	97
58) Ethyl Benzene	12.69	91	5328712	9.502	ppbv	99
59) m/p-Xylene	12.98	91	8946600m	18.401	ppbv	
60) o-Xylene	13.68	91	4119598	9.078	ppbv	99
61) Styrene	13.51	104	2405047	10.202	ppbv	99
62) Isopropylbenzene	14.65	105	5895936	9.206	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	3085645	9.149	ppbv	98
64) n-propylbenzene	15.55	120	1590241m	9.757	ppbv	
65) tert-Butylbenzene	16.73	119	5301020	9.088	ppbv	100
66) Benzyl Chloride	16.97	91	255733	9.692	ppbv	98
67) sec-Butylbenzene	17.27	105	7377184	9.052	ppbv	99
69) p-Isopropyltoluene	17.64	119	6279572	9.455	ppbv	100
70) n-Butylbenzene	18.53	91	6119058	9.641	ppbv	100
71) 2-Chlorotoluene	15.43	91	4382359	9.331	ppbv	100
72) 4-Ethyltoluene	15.82	105	5167607	9.574	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	4802411	9.559	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	4795815	8.983	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	2947403	9.172	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	2877492	8.888	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	2870953	9.072	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	2179730	8.284	ppbv	100
79) Naphthalene	22.18	128	3648669m	10.212	ppbv	
80) Naphthalene, 2-methyl-	24.96	142	921290	9.256	ppbv	92
81) 1,2,4-Trichlorobenzene	21.90	180	2203603	9.829	ppbv	97

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



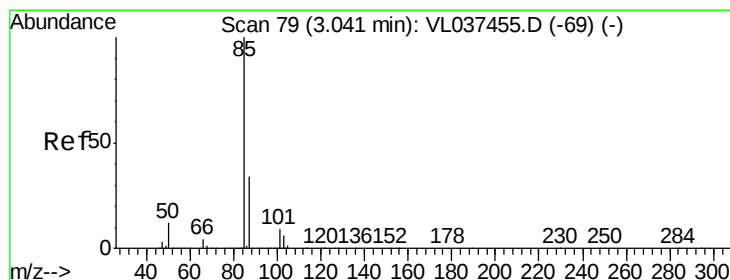
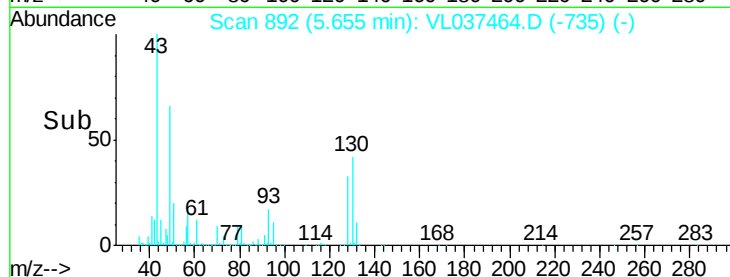
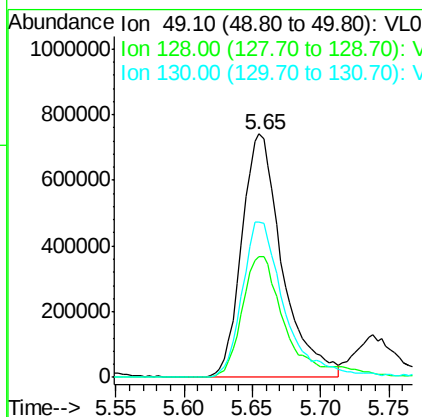
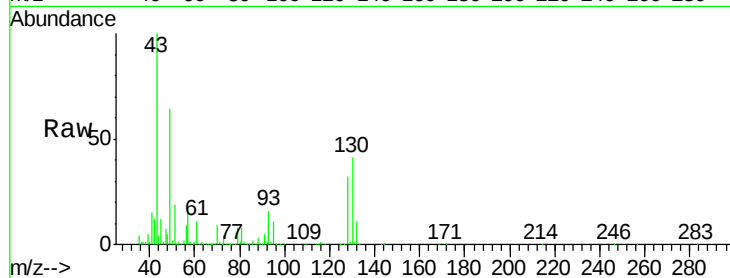
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 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 892
 Delta R.T. 0.01 min
 Lab File: VL037464.D
 Acq: 16 Aug 2021 16:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

Tot Ion: 49 Resp: 1524644
 Ion Ratio Lower Upper
 49 100
 128 55.0 27.5 82.4
 130 68.1 34.0 101.8

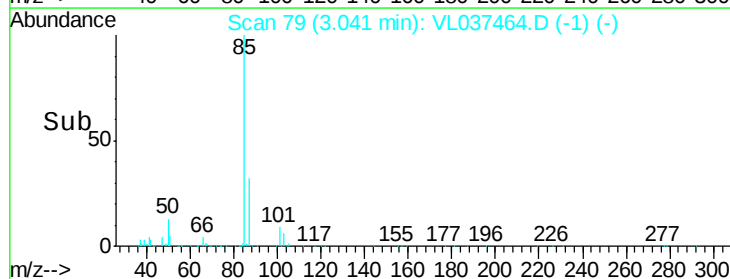
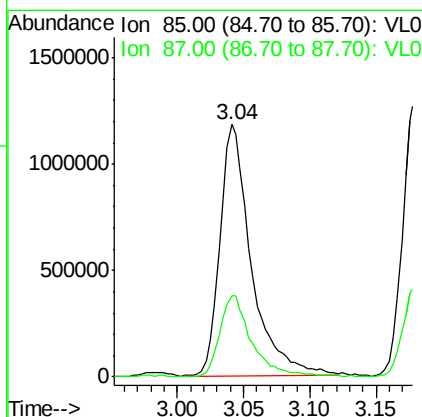
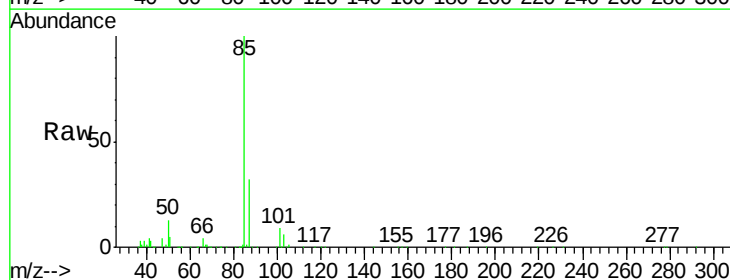
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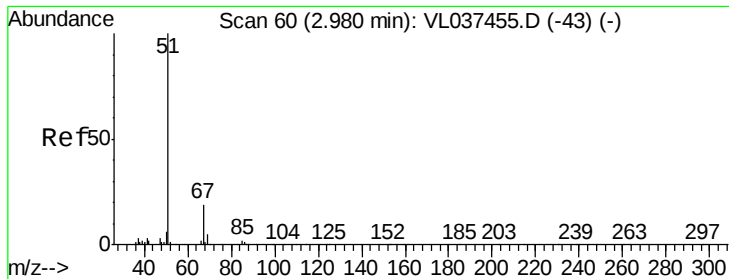
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#2
 Dichlorodifluoromethane
 Concen: 7.958 ppbv
 RT: 3.04 min Scan# 79
 Delta R.T. -0.00 min
 Lab File: VL037464.D
 Acq: 16 Aug 2021 16:44

Tgt Ion: 85 Resp: 1946867
 Ion Ratio Lower Upper
 85 100
 87 32.0 27.6 41.4





#3

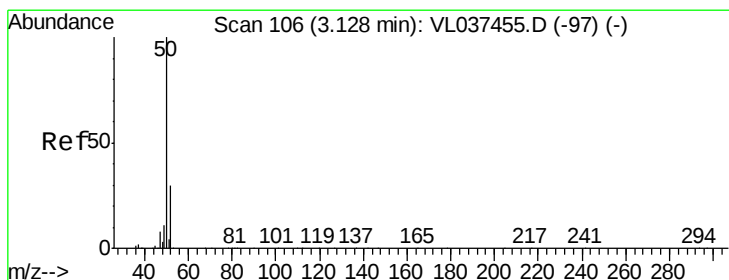
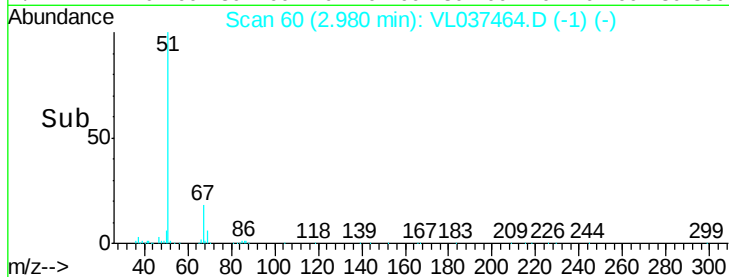
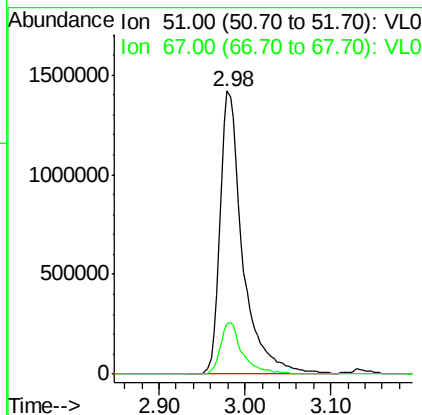
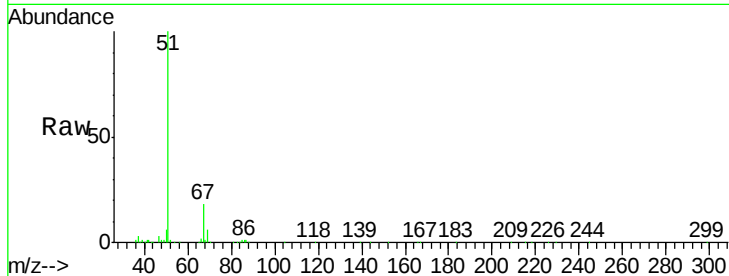
Chlorodifluoromethane
Concen: 8.888 ppbv
RT: 2.98 min Scan# 60
Delta R.T. -0.00 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Instrument :
MSVOA_L
ClientSampleId :
VL0816ABS01

Tot Ion: 51 Resp: 2594824
Ion Ratio Lower Upper
51 100
67 18.0 14.2 21.2

Manual Integrations
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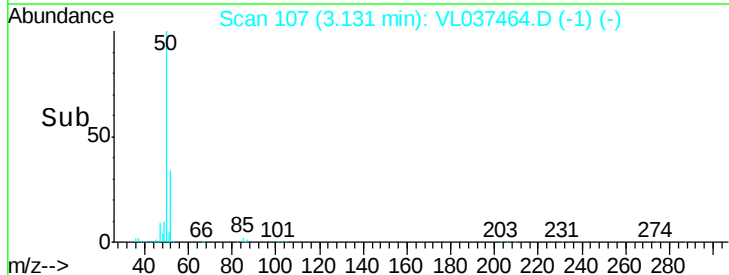
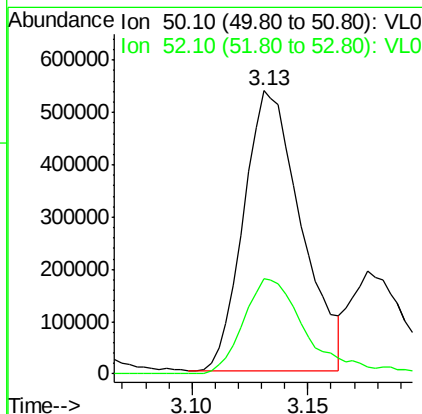
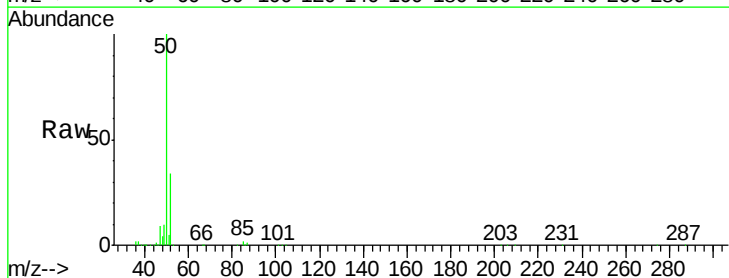
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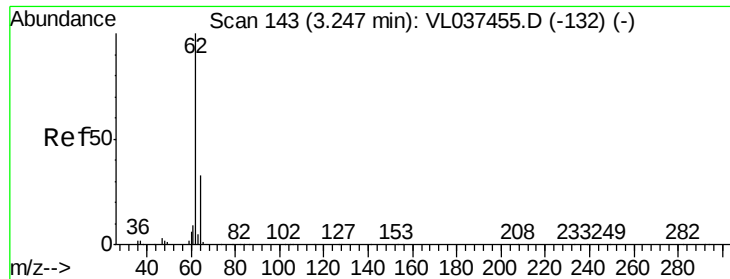


#4

Chloromethane
Concen: 8.831 ppbv
RT: 3.13 min Scan# 107
Delta R.T. 0.00 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Tgt Ion: 50 Resp: 921360
Ion Ratio Lower Upper
50 100
52 34.2 24.0 36.0





#5

Vinyl Chloride

Concen: 8.950 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion: 62 Resp: 956633

Ion Ratio Lower Upper

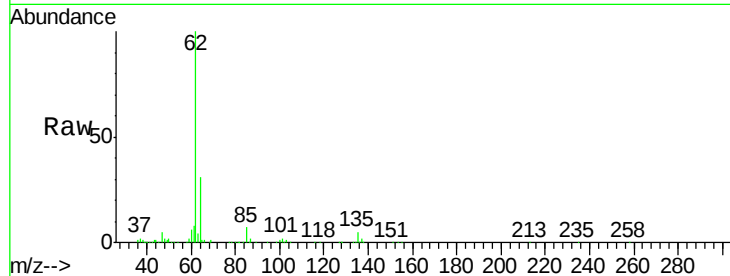
62 100

64 31.0 26.5 39.7

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

600000

500000

400000

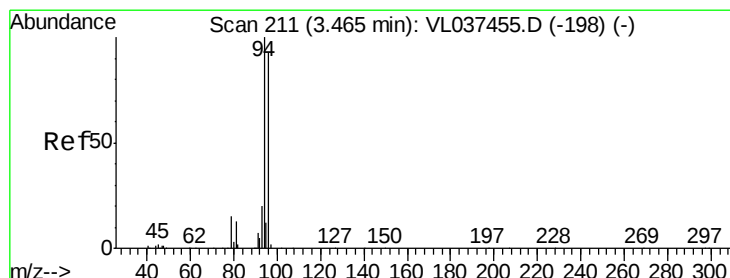
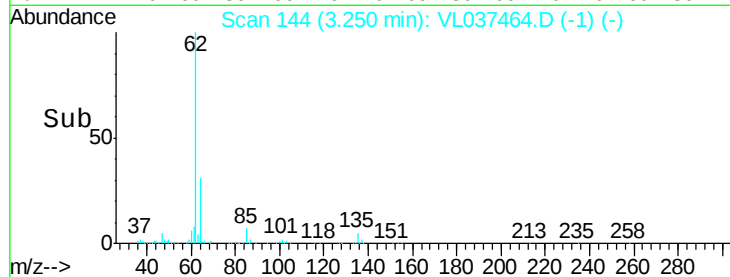
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 8.065 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL037464.D

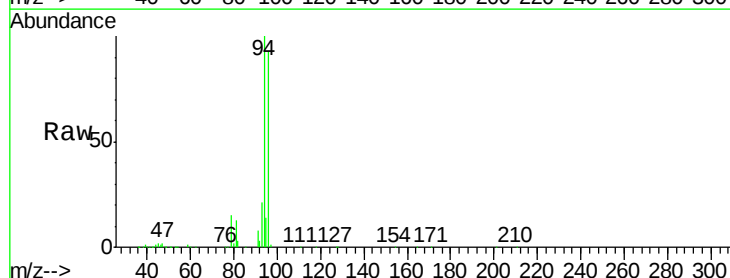
Acq: 16 Aug 2021 16:44

Tgt Ion: 94 Resp: 472225

Ion Ratio Lower Upper

94 100

96 92.6 74.5 111.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

300000

250000

200000

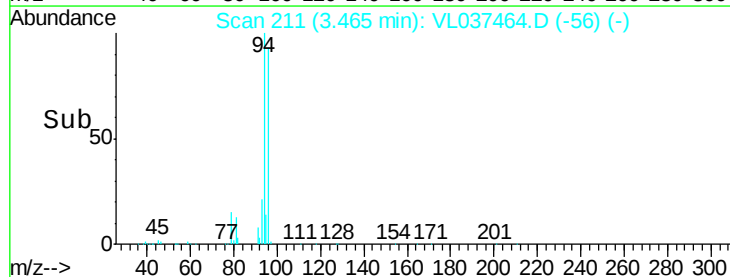
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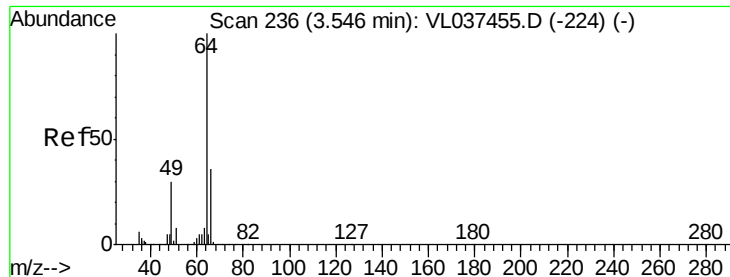
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50000

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Time-->





#7

Chloroethane

Concen: 9.021 ppbv

RT: 3.55 min Scan# 237

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion: 64 Resp: 329096

Ion Ratio Lower Upper

64 100

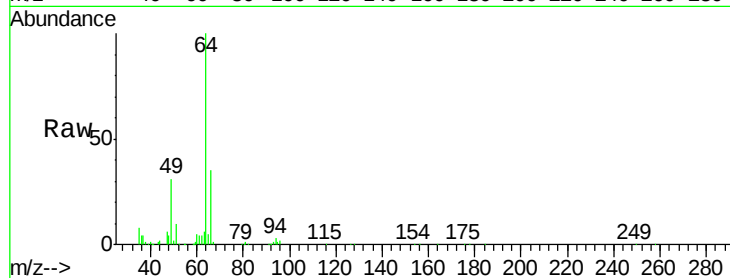
66 35.4 28.6 43.0

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

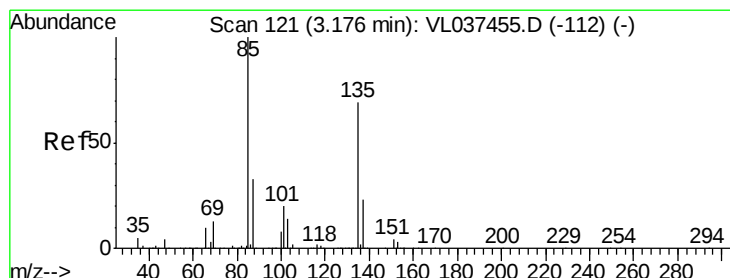
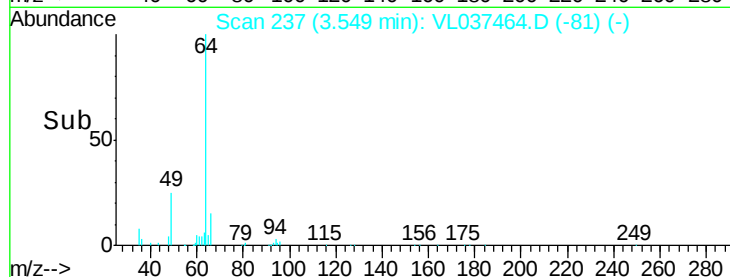
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100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.753 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037464.D

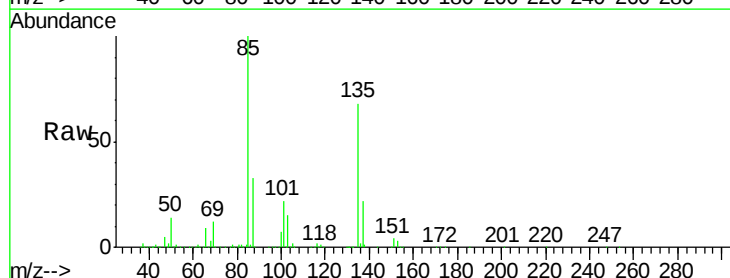
Acq: 16 Aug 2021 16:44

Tgt Ion: 85 Resp: 2210426

Ion Ratio Lower Upper

85 100

135 74.1 58.8 88.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

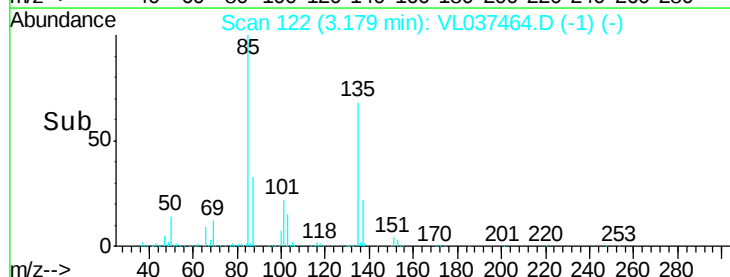
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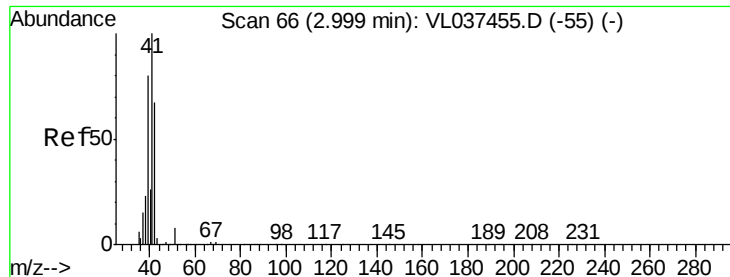
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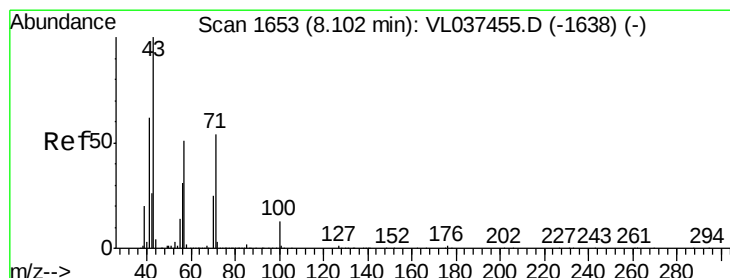
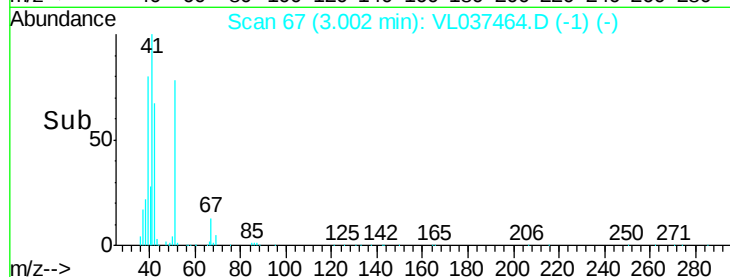
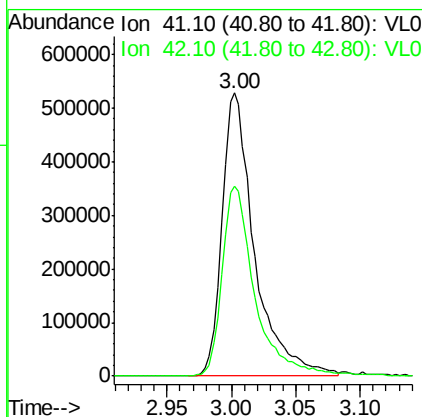
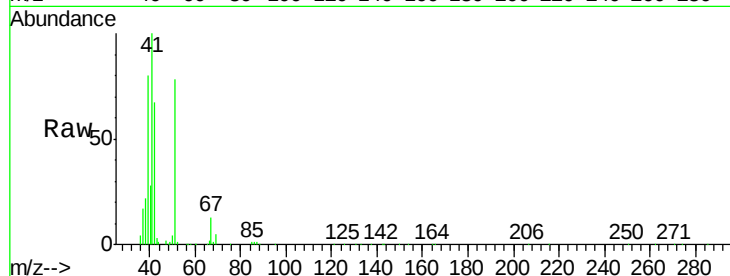
#9
 Propene
 Concen: 8.857 ppbv
 RT: 3.00 min Scan# 67
 Delta R.T. 0.00 min
 Lab File: VL037464.D
 Acq: 16 Aug 2021 16:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

Tot Ion: 41 Resp: 925184
 Ion Ratio Lower Upper
 41 100
 42 68.1 53.7 80.5

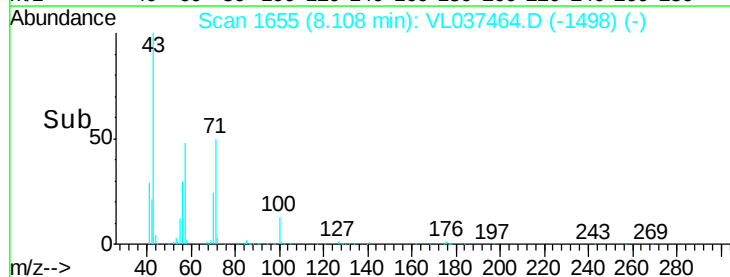
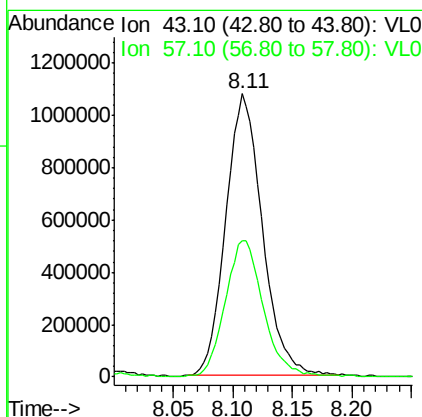
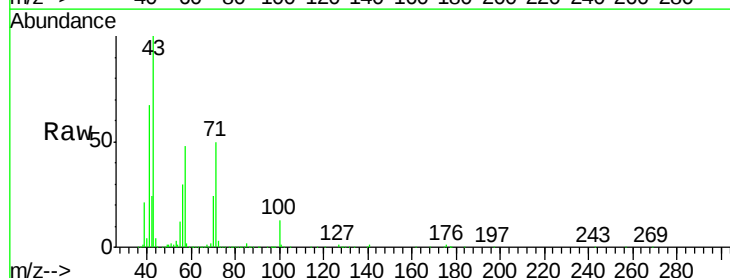
Manual Integrations
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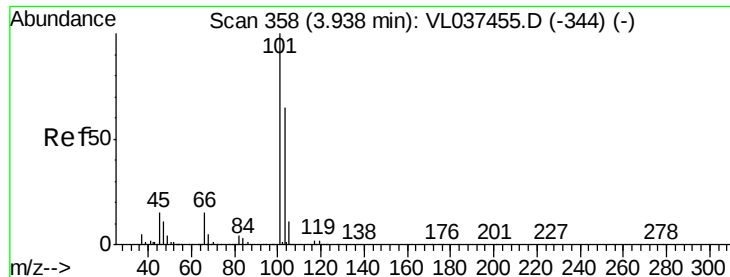
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#10
 Heptane
 Concen: 9.575 ppbv
 RT: 8.11 min Scan# 1655
 Delta R.T. 0.01 min
 Lab File: VL037464.D
 Acq: 16 Aug 2021 16:44

Tgt Ion: 43 Resp: 2302165
 Ion Ratio Lower Upper
 43 100
 57 50.1 41.0 61.6





#11

Trichlorofluoromethane

Concen: 8.973 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion:101 Resp: 2060376

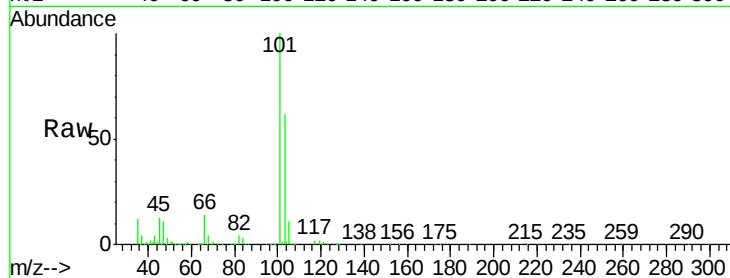
Ion Ratio Lower Upper

101 100

103 62.1 51.8 77.6

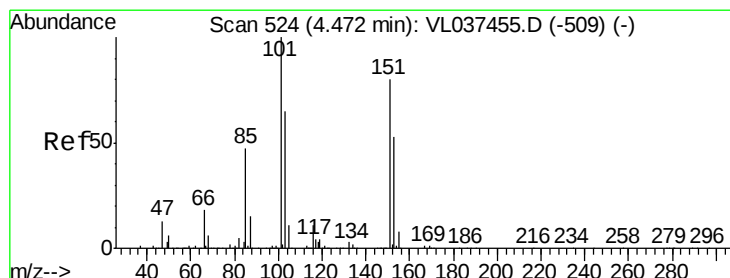
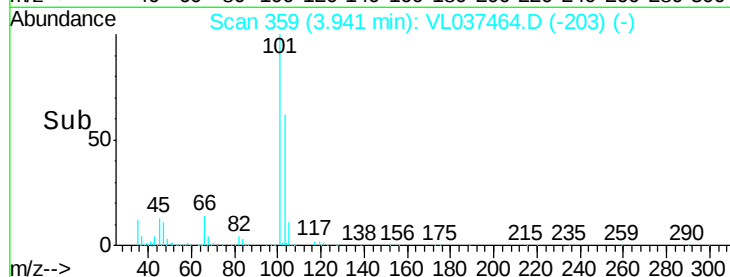
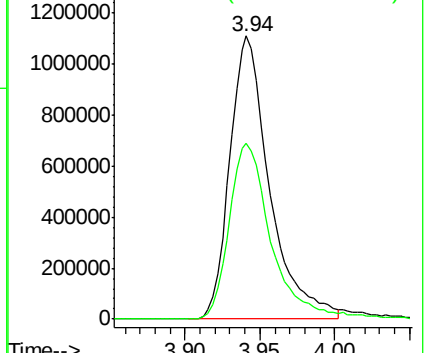
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.463 ppbv

RT: 4.47 min Scan# 525

Delta R.T. 0.00 min

Lab File: VL037464.D

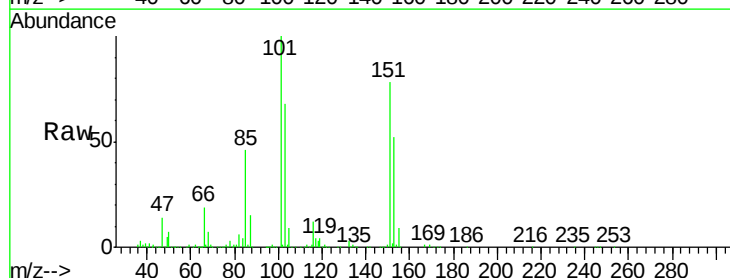
Acq: 16 Aug 2021 16:44

Tgt Ion:101 Resp: 1594560

Ion Ratio Lower Upper

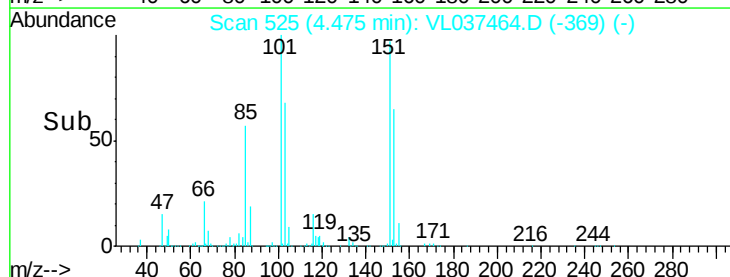
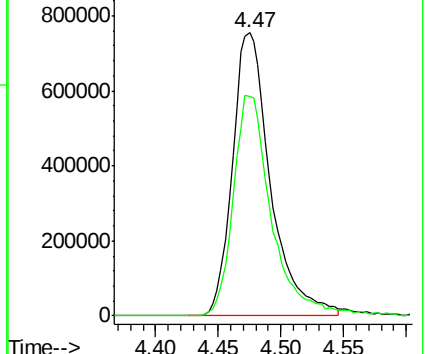
101 100

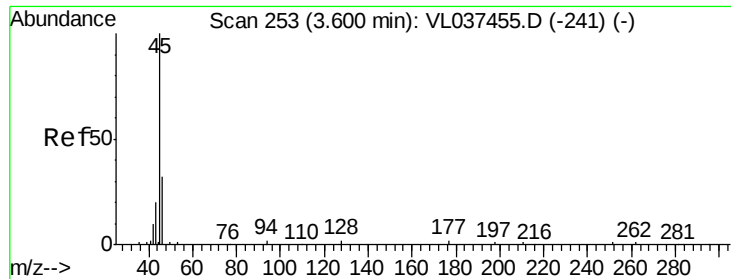
151 78.2 63.7 95.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





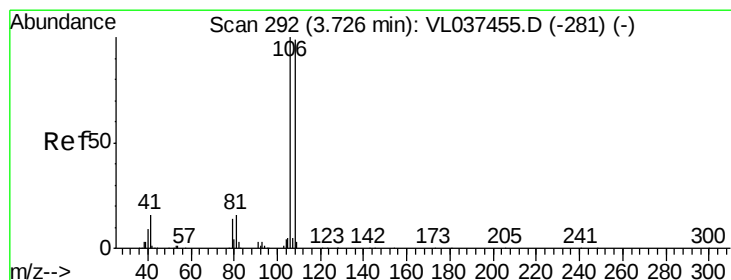
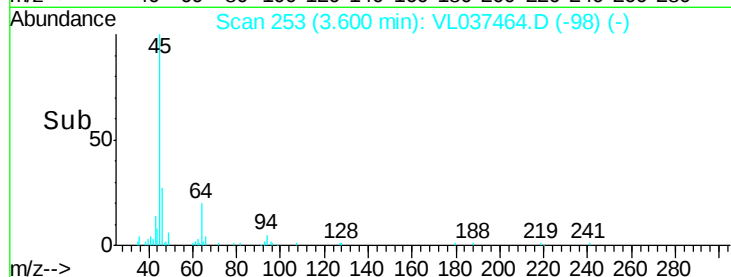
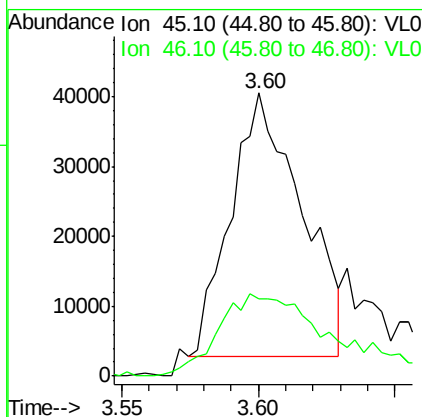
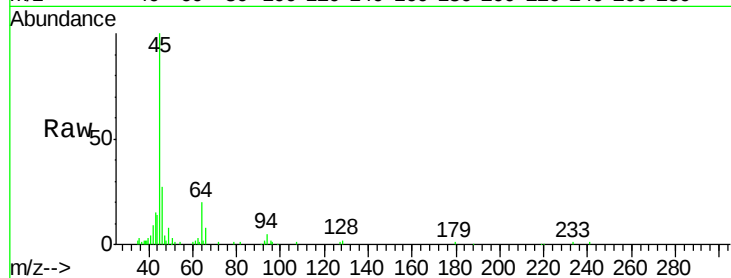
#13
Ethanol
Concen: 6.737 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Instrument :
MSVOA_L
ClientSampleId :
VL0816ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	56.6	14.1	56.5#

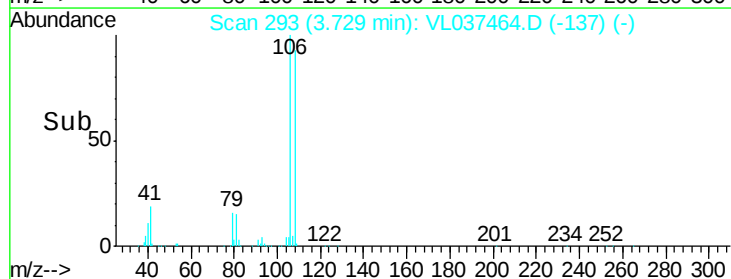
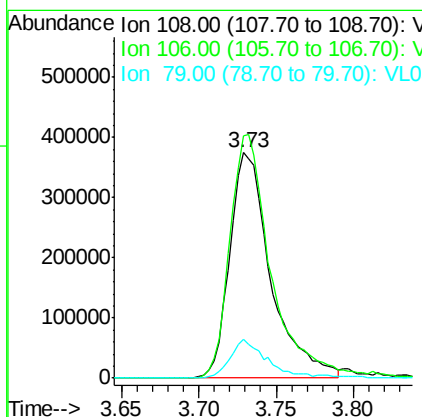
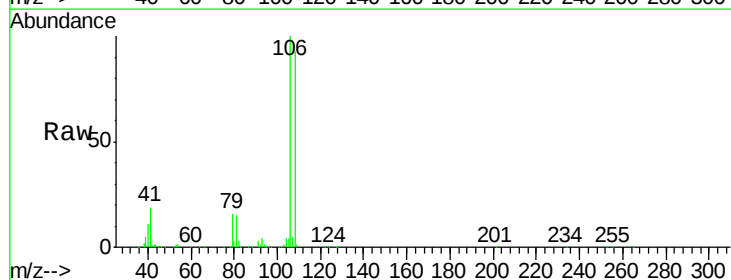
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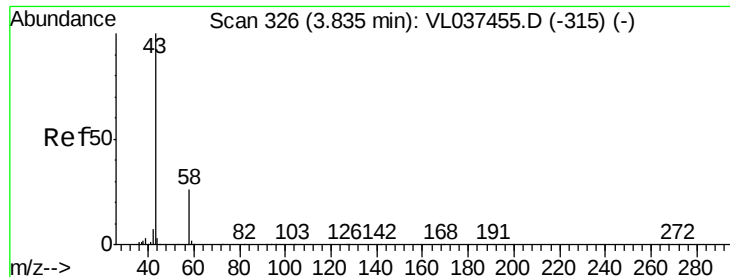
MMDadoda
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#14
Bromoethene
Concen: 9.015 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.00 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Tgt Ion	Ratio	Lower	Upper
108	100		
106	110.4	85.8	128.8
79	16.1	12.6	18.8





#15

Acetone

Concen: 7.542 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.01 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Tot Ion: 43 Resp: 1170191

Ion Ratio Lower Upper

43 100

58 29.2 24.8 37.2

Instrument :

MSVOA_L

ClientSampleId :

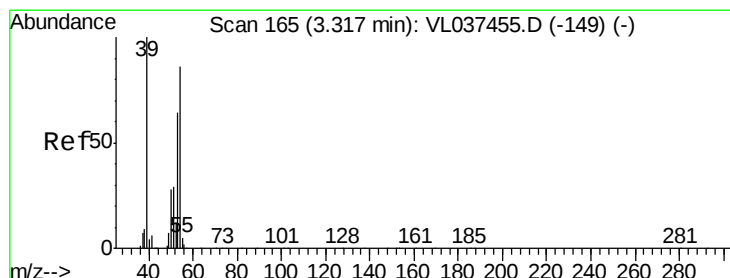
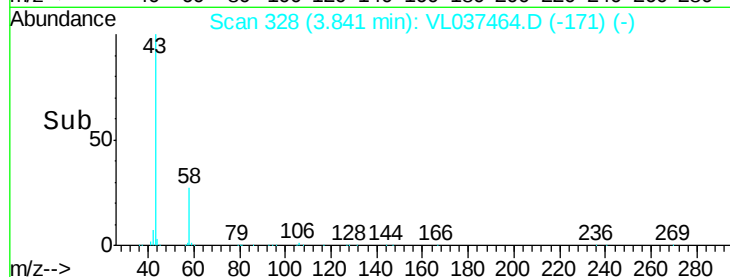
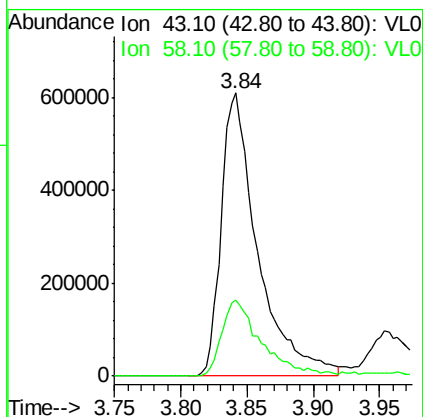
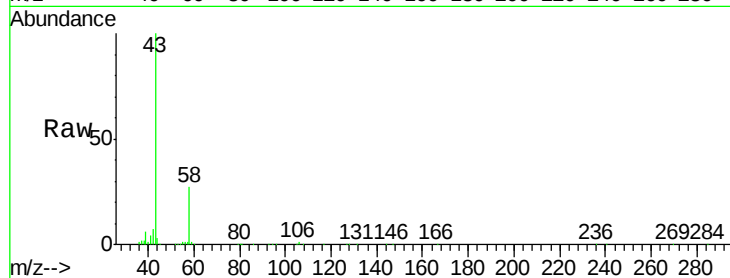
VL0816ABS01

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#16

1,3-Butadiene

Concen: 9.542 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL037464.D

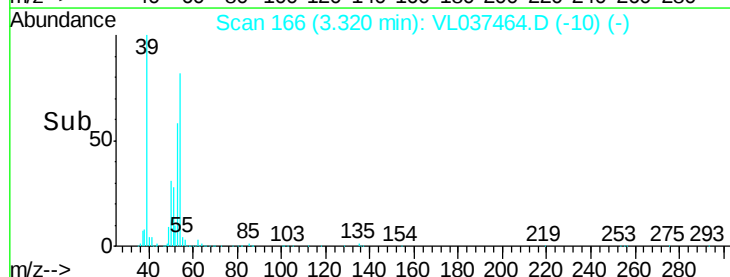
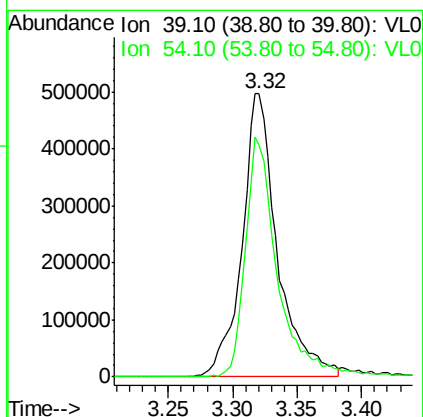
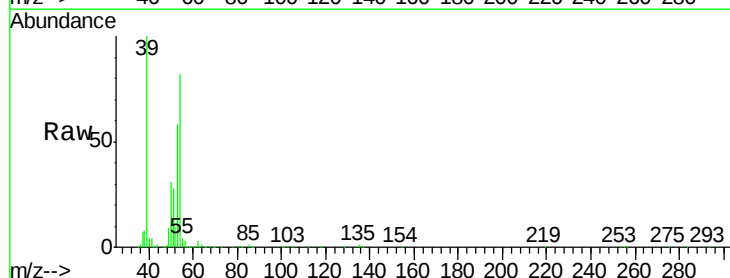
Acq: 16 Aug 2021 16:44

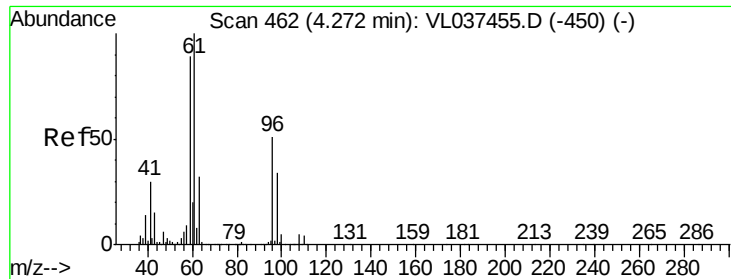
Tgt Ion: 39 Resp: 949708

Ion Ratio Lower Upper

39 100

54 77.8 63.7 95.5





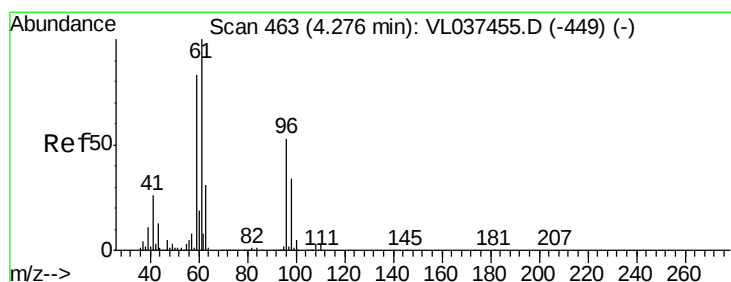
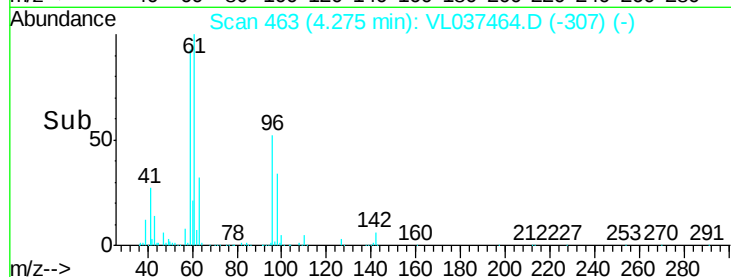
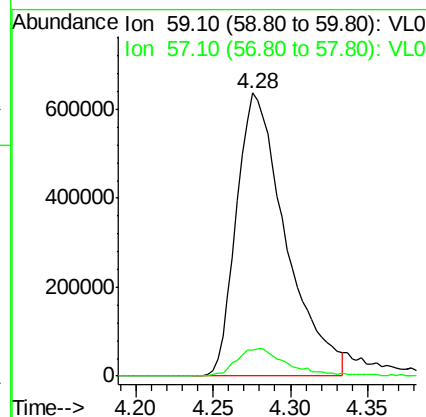
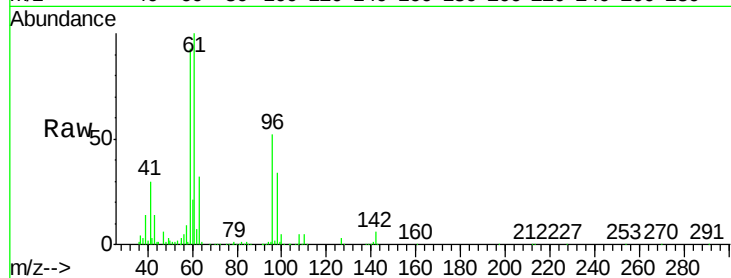
#17
tert-Butyl alcohol
Concen: 9.929 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.00 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Instrument :
MSVOA_L
ClientSampleId :
VL0816ABS01

Tot Ion: 59 Resp: 1407363
Ion Ratio Lower Upper
59 100
57 10.6 8.3 12.5

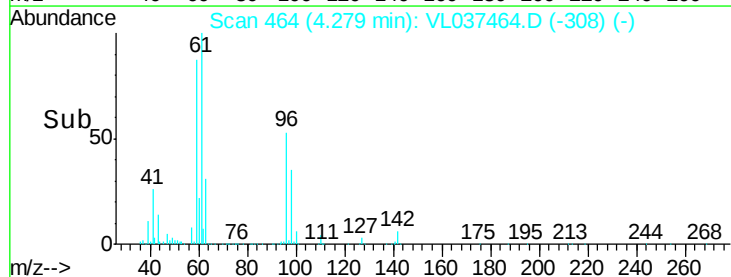
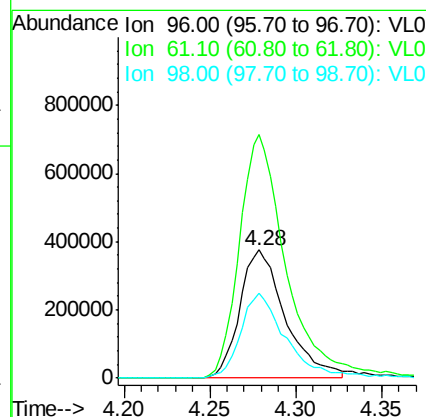
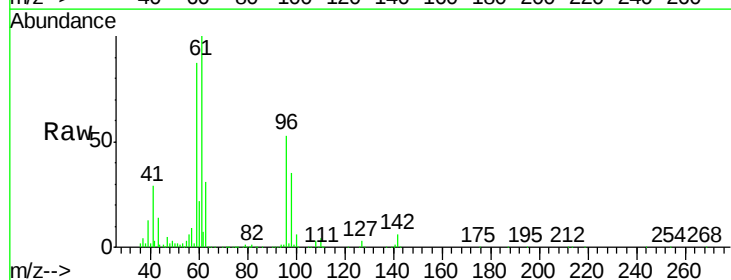
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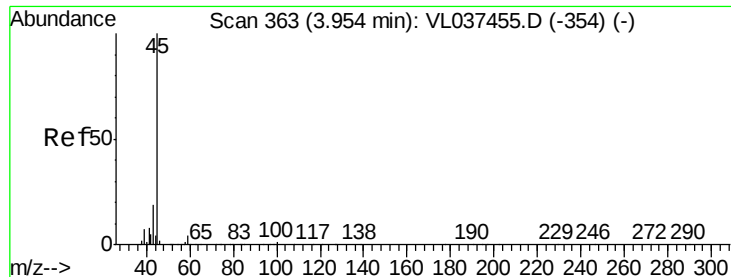
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#18
1,1-Dichloroethene
Concen: 9.040 ppbv
RT: 4.28 min Scan# 464
Delta R.T. 0.00 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Tgt Ion: 96 Resp: 691933
Ion Ratio Lower Upper
96 100
61 190.0 151.1 226.7
98 65.7 51.8 77.8





#19

Isopropyl Alcohol

Concen: 9.204 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion: 45 Resp: 818151

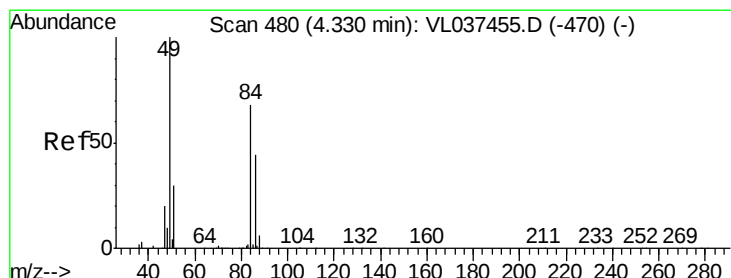
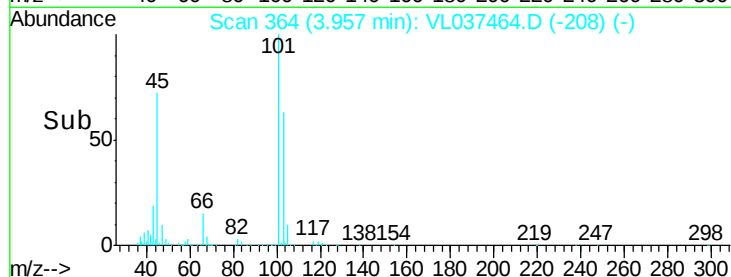
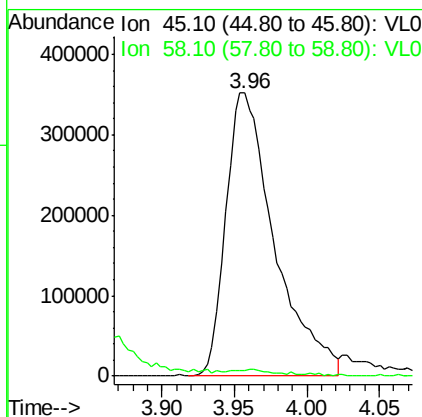
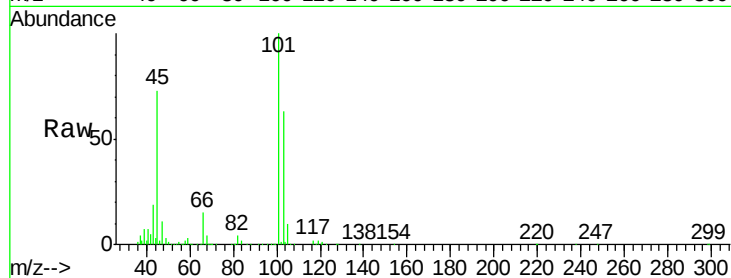
Ion Ratio Lower Upper

45 100

58 45.3 1.4 2.2#

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#20

Methylene Chloride

Concen: 8.015 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Tgt Ion: 84 Resp: 622672

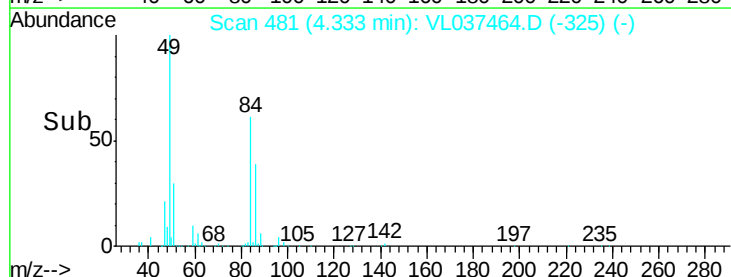
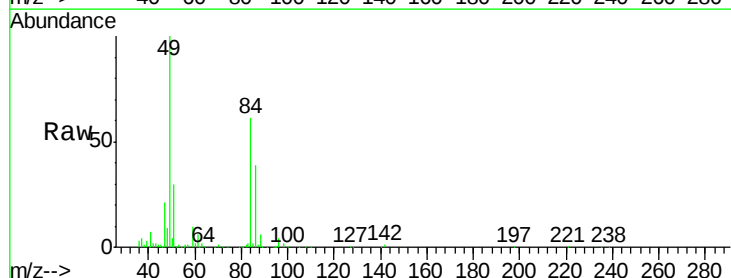
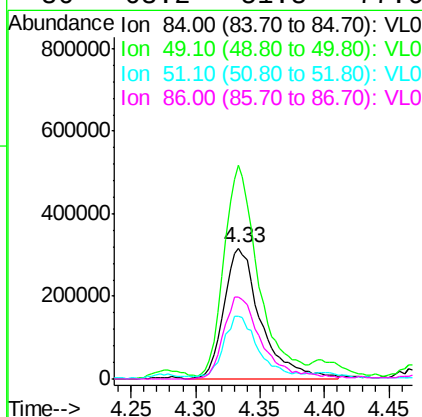
Ion Ratio Lower Upper

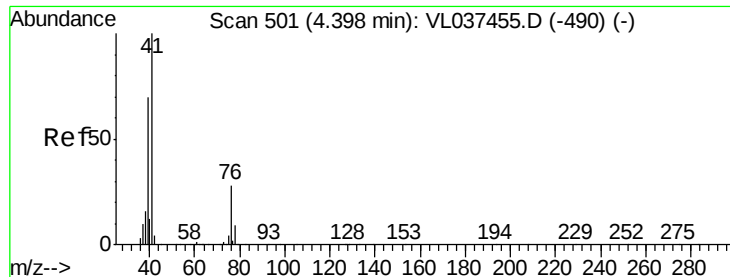
84 100

49 161.4 118.2 177.2

51 46.6 36.6 55.0

86 63.2 51.8 77.6





#21

Allvl Chloride

Concen: 9.009 ppbv

RT: 4.40 min Scan# 502

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion: 41 Resp: 1135362

Ion Ratio Lower Upper

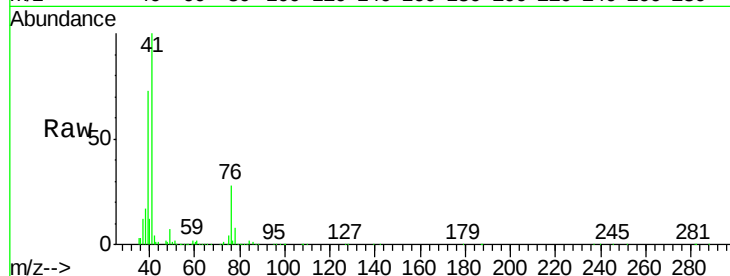
41 100

76 28.9 21.8 32.6

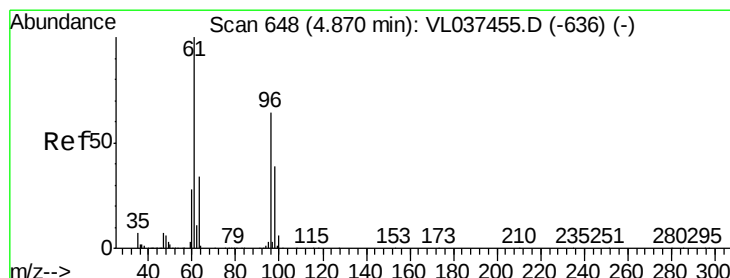
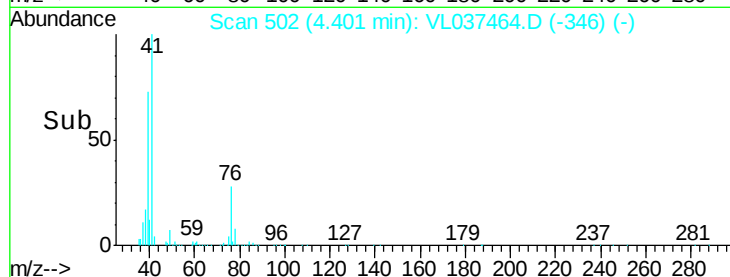
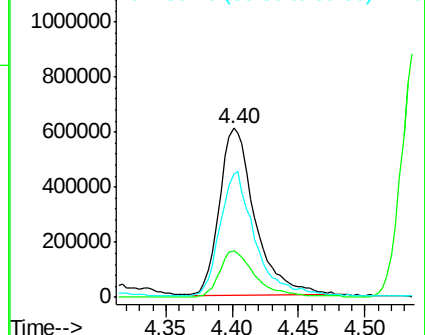
39 74.6 56.8 85.2

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



#22

trans-1,2-Dichloroethene

Concen: 9.583 ppbv

RT: 4.87 min Scan# 649

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

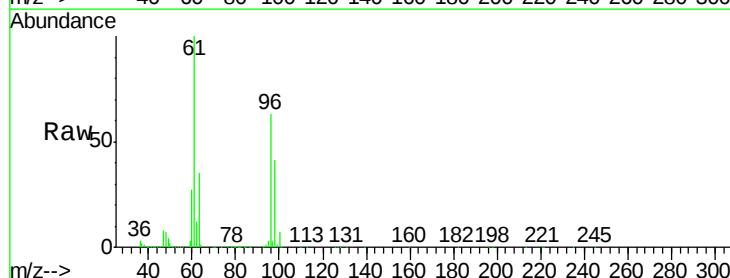
Tgt Ion: 96 Resp: 731777

Ion Ratio Lower Upper

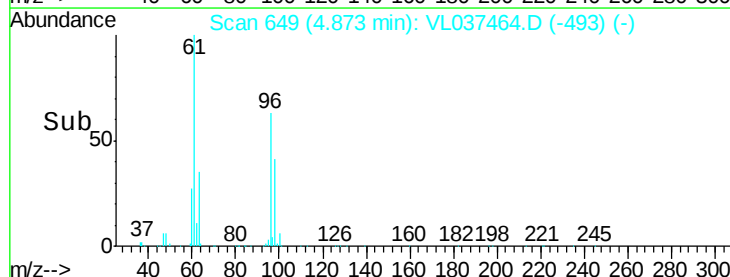
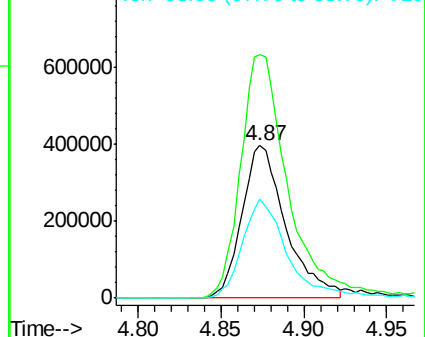
96 100

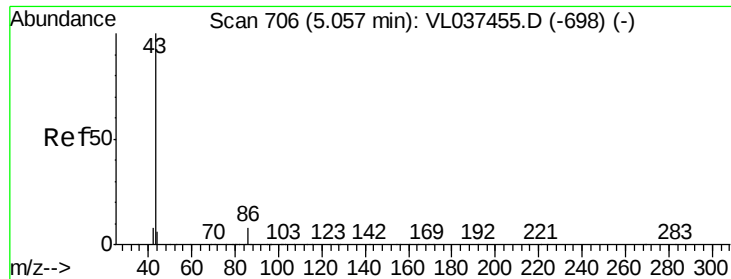
61 159.5 125.5 188.3

98 65.1 49.0 73.4



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





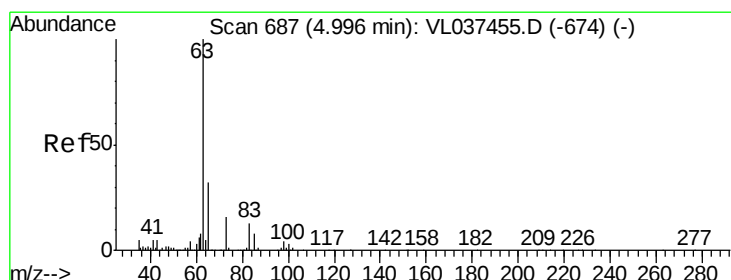
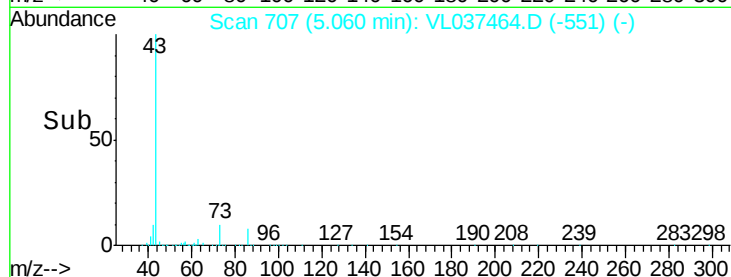
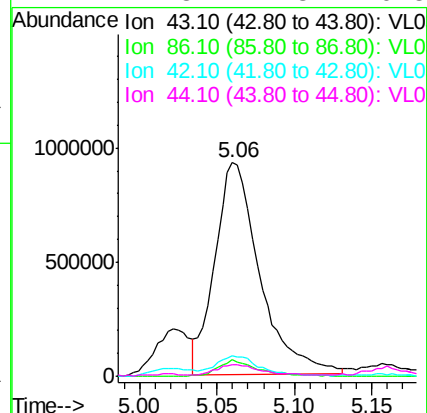
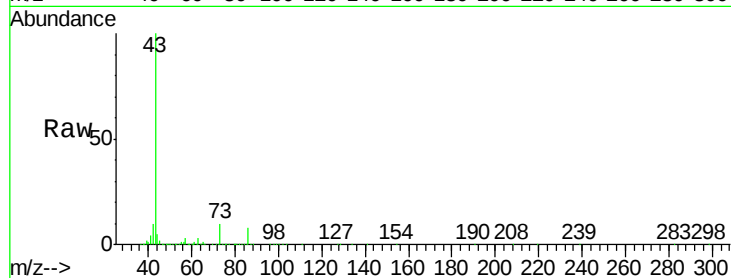
#23
 Vinyl Acetate
 Concen: 8.277 ppbv
 RT: 5.06 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VL037464.D
 Acq: 16 Aug 2021 16:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

Tot Ion	43	Resp	1892988
Ion	Ratio	Lower	Upper
43	100		
86	7.8	5.7	8.5
42	9.7	7.4	11.2
44	4.8	4.3	6.5

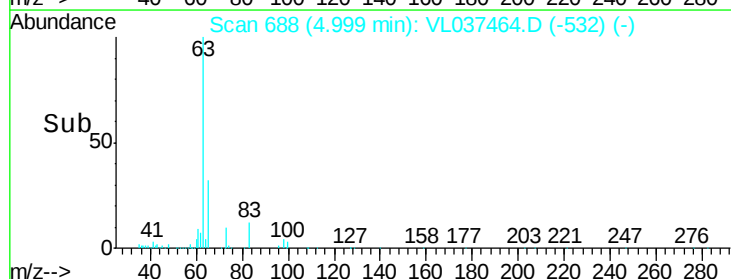
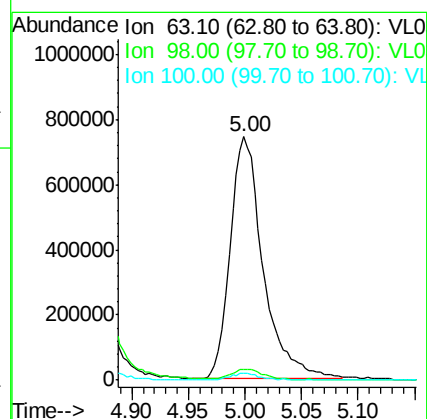
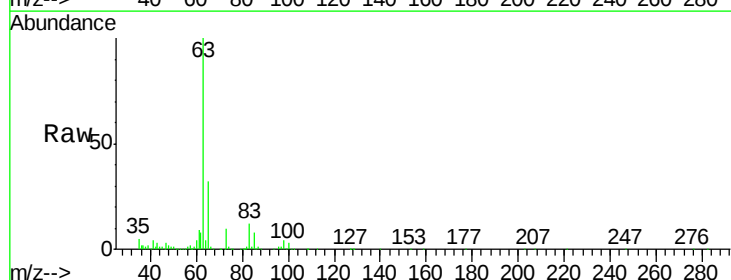
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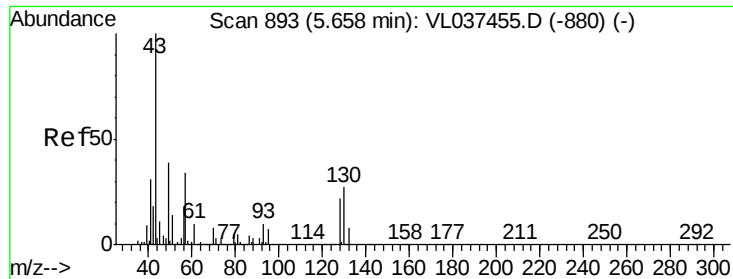
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#24
 1,1-Dichloroethane
 Concen: 9.099 ppbv
 RT: 5.00 min Scan# 688
 Delta R.T. 0.00 min
 Lab File: VL037464.D
 Acq: 16 Aug 2021 16:44

Tgt Ion	63	Resp	1509265
Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.3
100	2.8	1.6	4.7





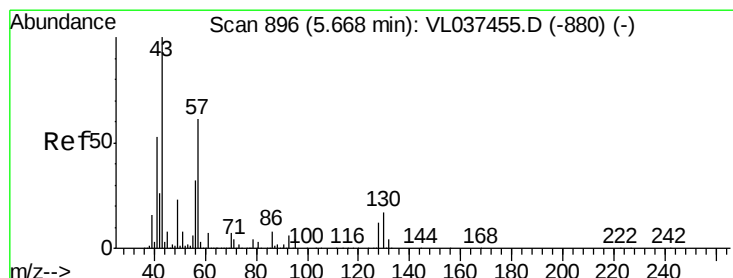
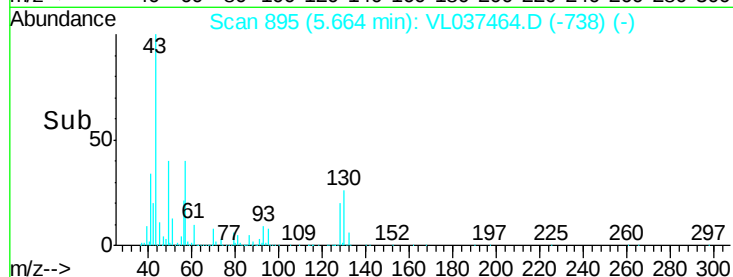
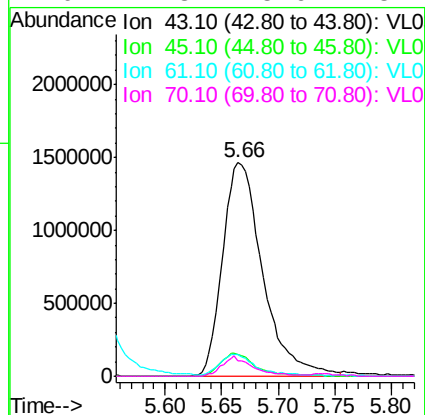
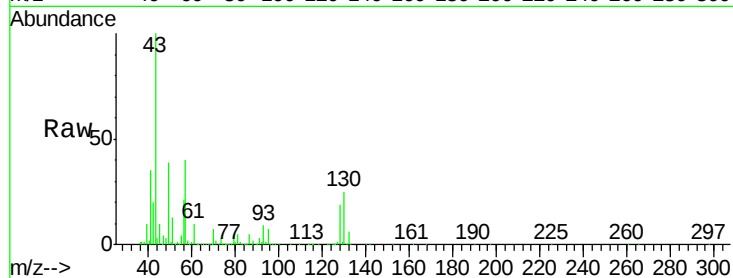
#25
Ethyl Acetate
Concen: 9.125 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.01 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Instrument :
MSVOA_L
ClientSampleId :
VL0816ABS01

Tot Ion	43	Resp	3594426
Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.0	12.0
61	9.7	8.0	12.0
70	7.3	5.6	8.4

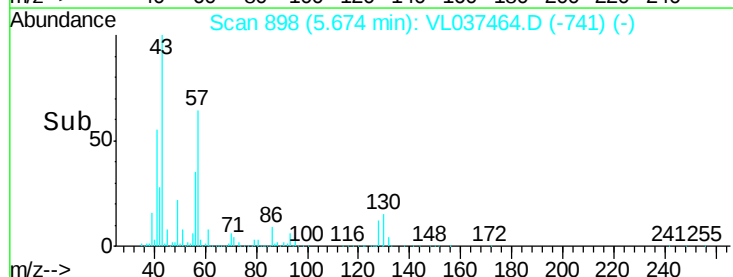
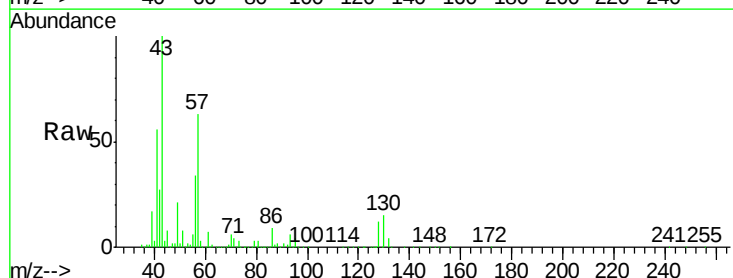
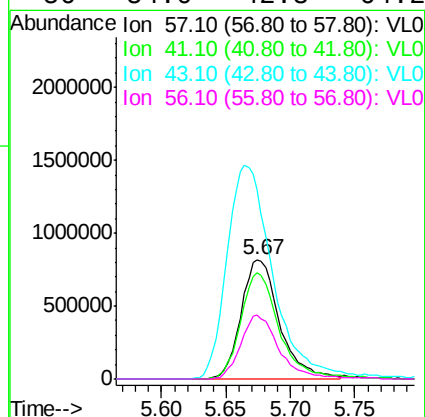
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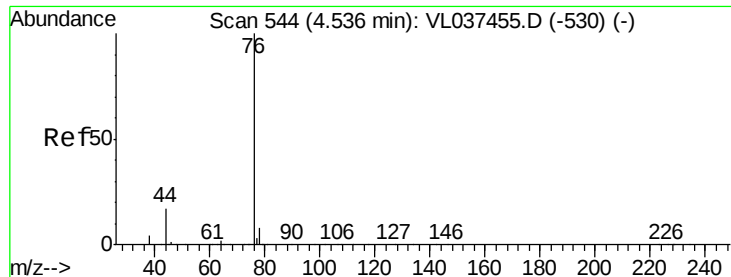
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#26
Hexane
Concen: 8.804 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Tgt Ion	57	Resp	1695500
Ion	Ratio	Lower	Upper
57	100		
41	90.8	72.3	108.5
43	216.0	172.3	258.5
56	54.0	42.8	64.2





#27

Carbon Disulfide

Concen: 10.468 ppbv

RT: 4.54 min Scan# 545

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion: 76 Resp: 1796598

Ion Ratio Lower Upper

76 100

44 17.3 13.9 20.9

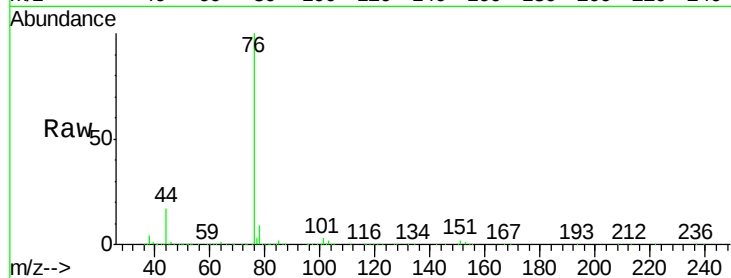
78 10.0 7.9 11.9

Manual Integrations

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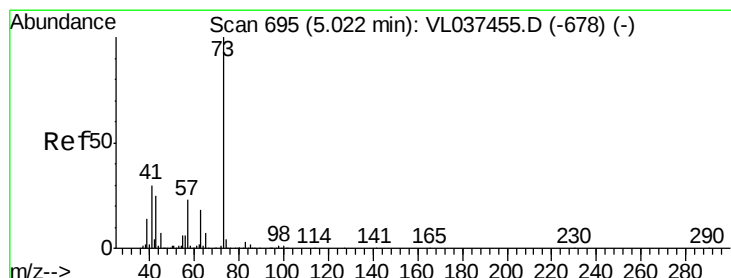
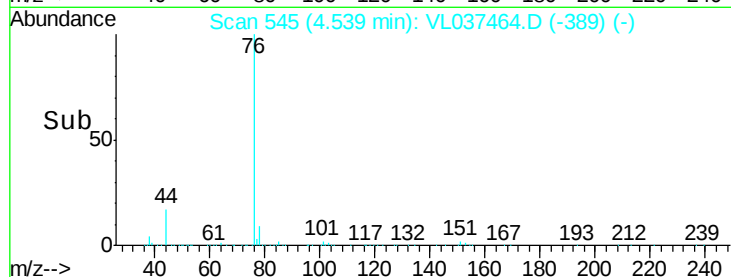
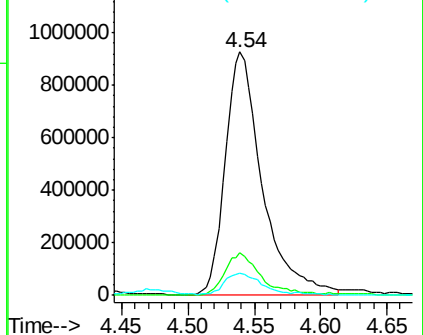
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 8.527 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.00 min

Lab File: VL037464.D

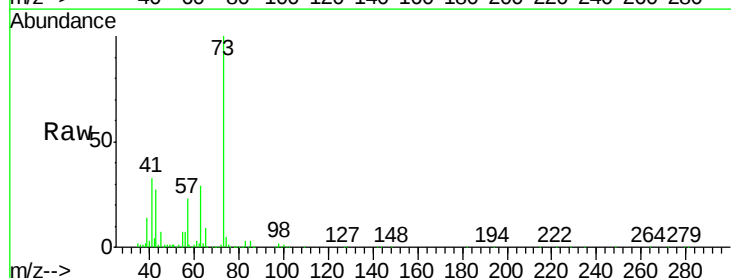
Acq: 16 Aug 2021 16:44

Tgt Ion: 73 Resp: 1577227

Ion Ratio Lower Upper

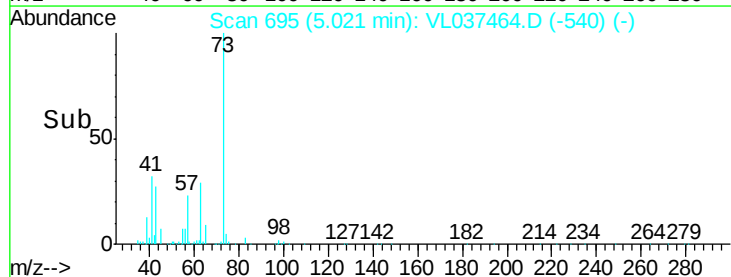
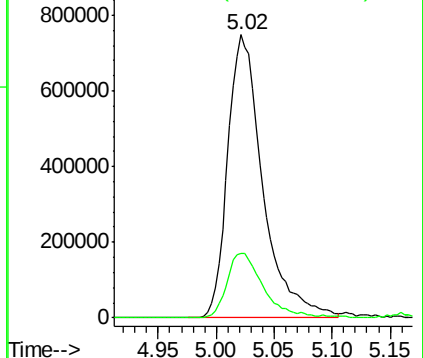
73 100

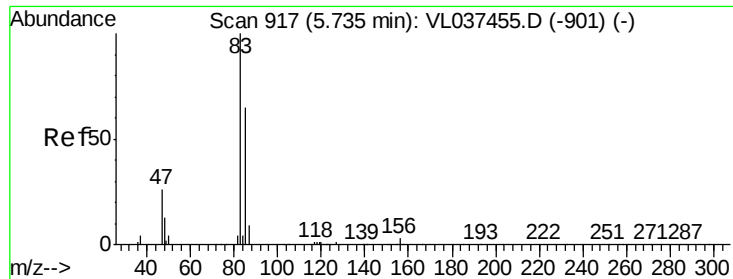
57 23.8 19.4 29.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





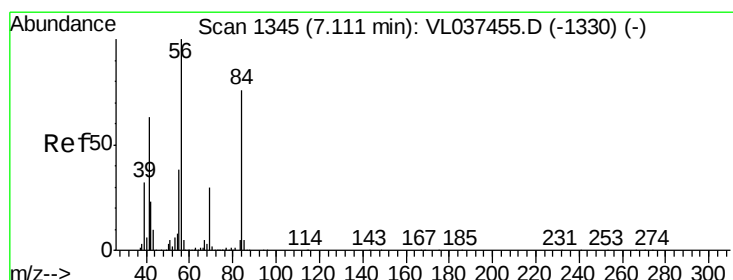
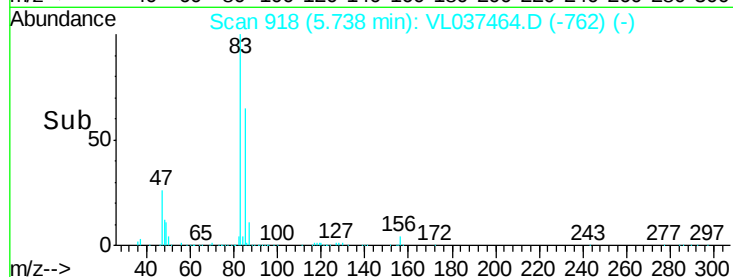
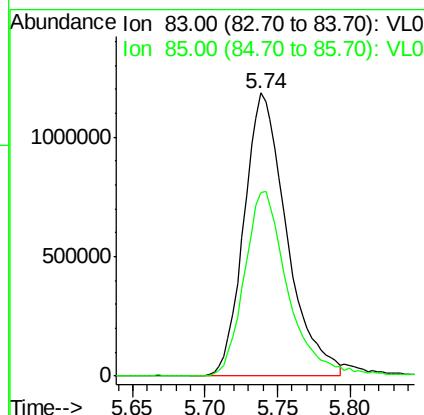
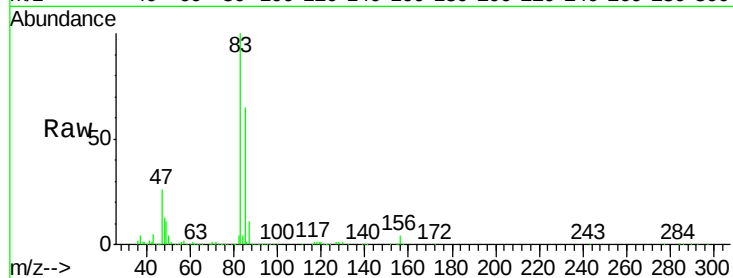
#29
Chloroform
Concen: 8.914 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Instrument :
MSVOA_L
ClientSampleId :
VL0816ABS01

Tot Ion: 83 Resp: 2433029
Ion Ratio Lower Upper
83 100
85 64.6 52.3 78.5

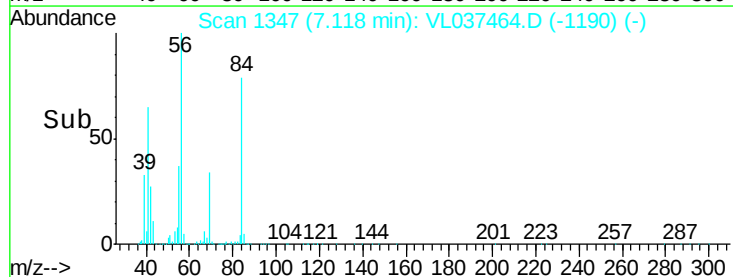
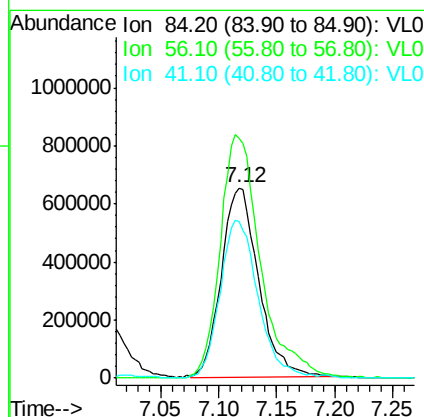
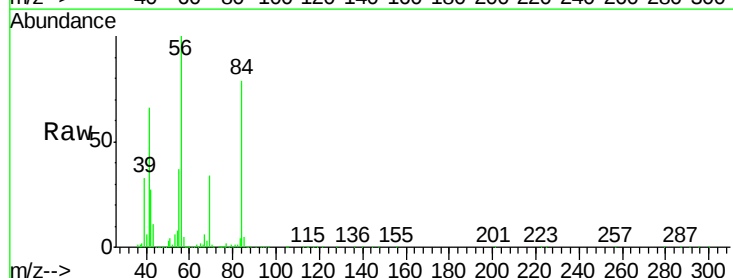
Manual Integrations
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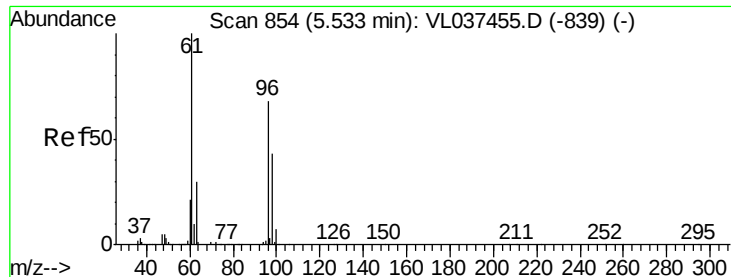
MMDadoda
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#30
Cyclohexane
Concen: 9.102 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Tgt Ion: 84 Resp: 1460592
Ion Ratio Lower Upper
84 100
56 139.4 110.6 165.8
41 84.9 67.0 100.6





#31

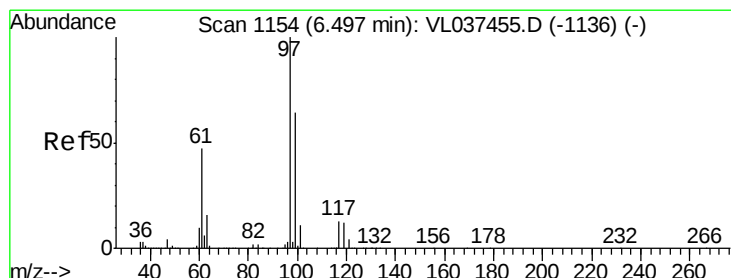
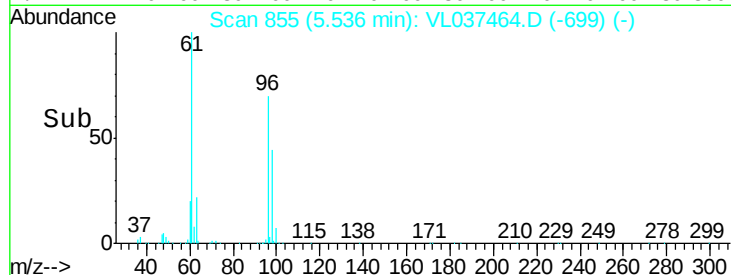
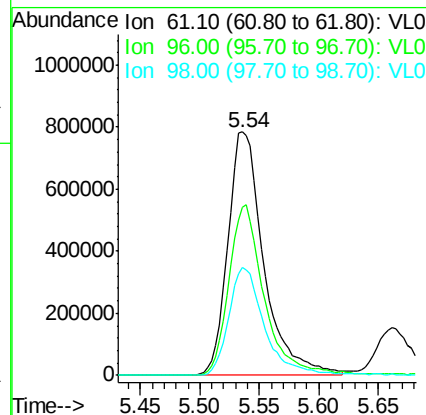
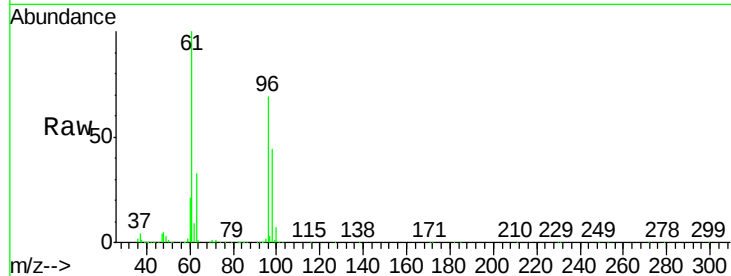
cis-1,2-Dichloroethene
Concen: 9.415 ppbv
RT: 5.54 min Scan# 855
Delta R.T. 0.00 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Instrument :
MSVOA_L
ClientSampleId :
VL0816ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	69.0	54.8	82.2
98	44.2	34.2	51.2

Manual Integrations
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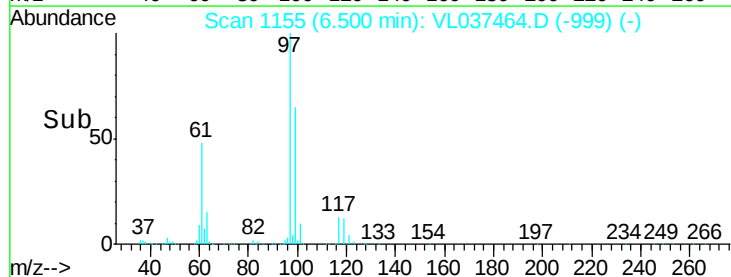
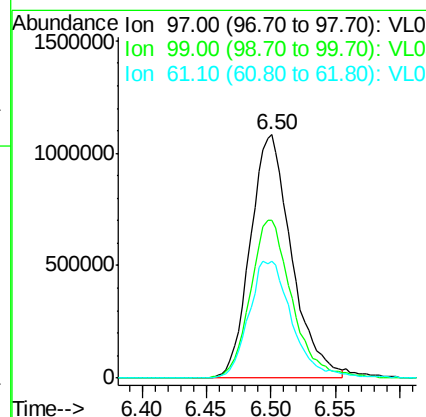
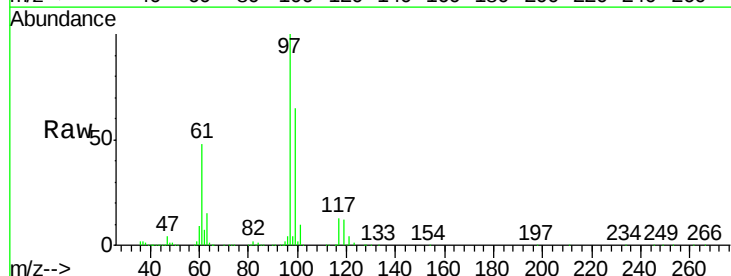
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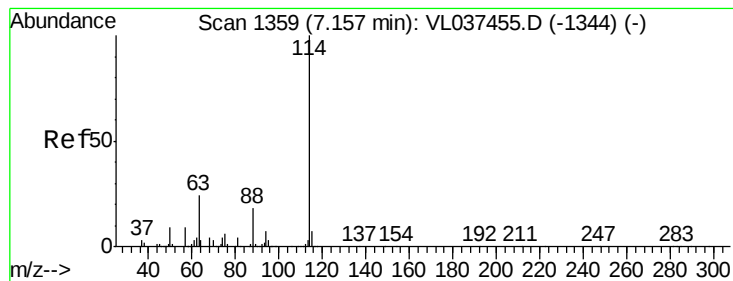


#32

1,1,1-Trichloroethane
Concen: 8.997 ppbv
RT: 6.50 min Scan# 1155
Delta R.T. 0.00 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.8	77.6
61	50.7	39.6	59.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. 0.01 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion:114 Resp: 4461302

Ion Ratio Lower Upper

114 100

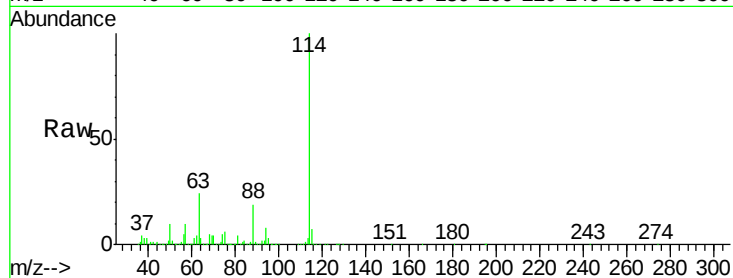
63 24.5 19.3 28.9

88 18.2 14.2 21.4

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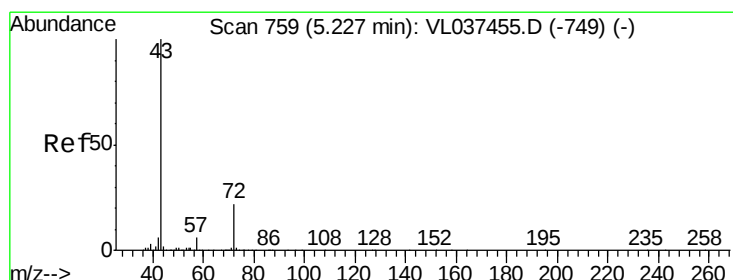
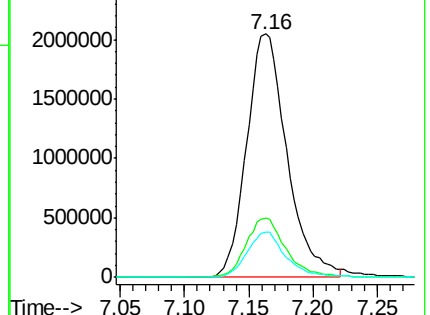
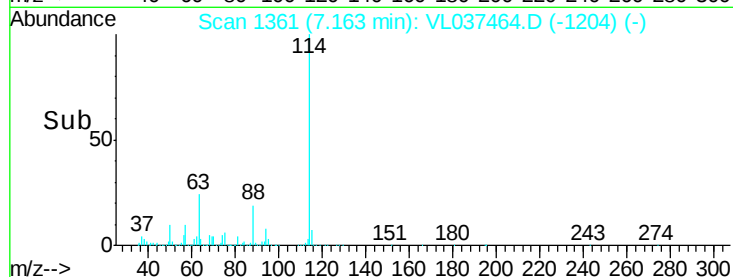
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 8.118 ppbv

RT: 5.23 min Scan# 761

Delta R.T. 0.01 min

Lab File: VL037464.D

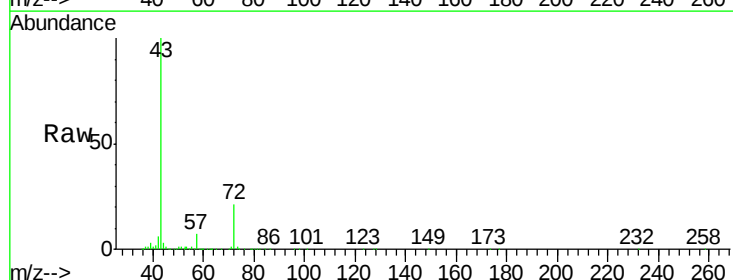
Acq: 16 Aug 2021 16:44

Tgt Ion: 43 Resp: 1478866

Ion Ratio Lower Upper

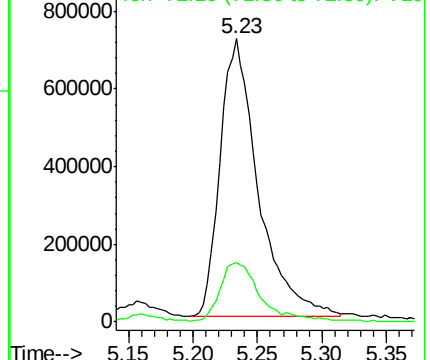
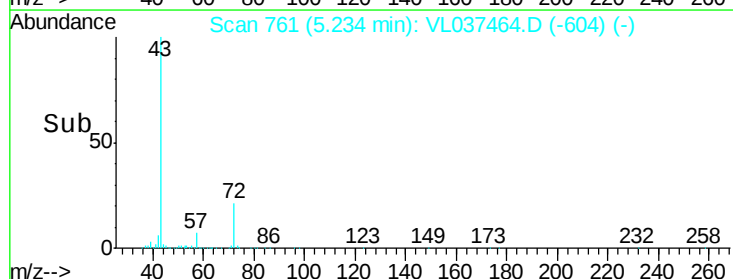
43 100

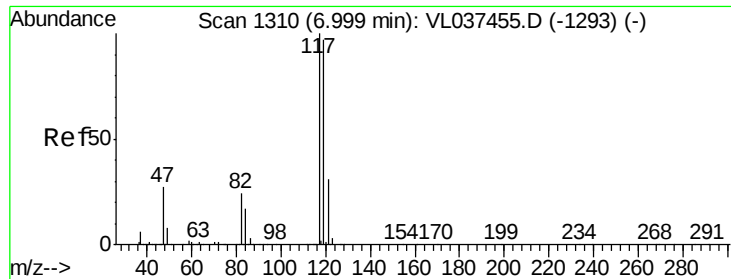
72 22.7 17.4 26.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.698 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. 0.01 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion:117 Resp: 2557040

Ion Ratio Lower Upper

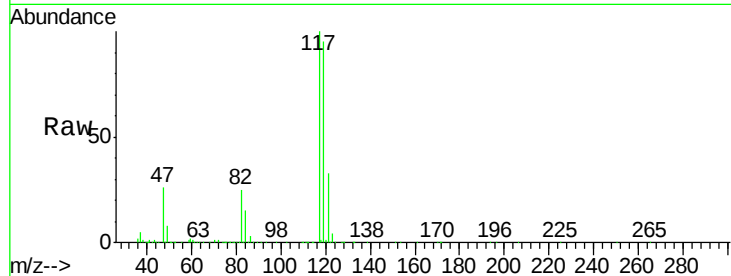
117 100

119 95.4 77.3 115.9

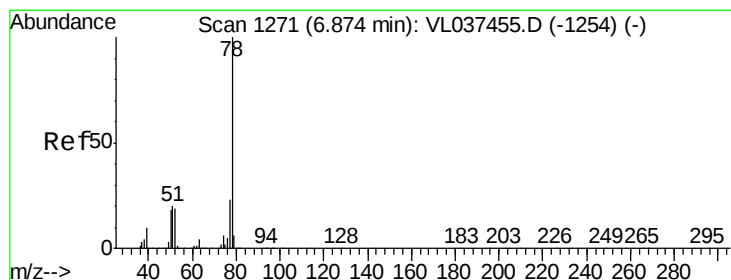
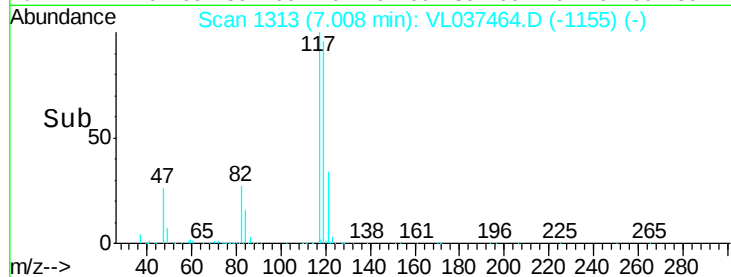
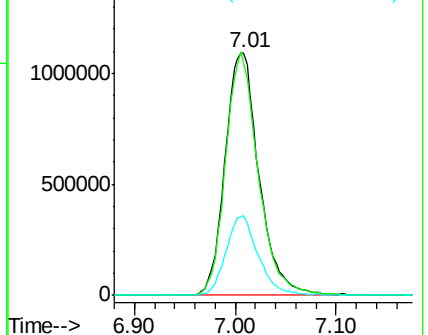
121 32.8 25.2 37.8

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



#36

Benzene

Concen: 9.591 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

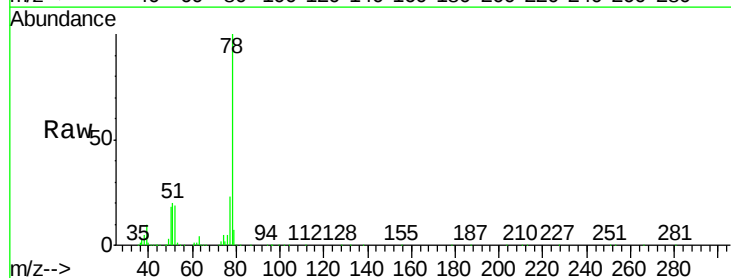
Tgt Ion: 78 Resp: 3596927

Ion Ratio Lower Upper

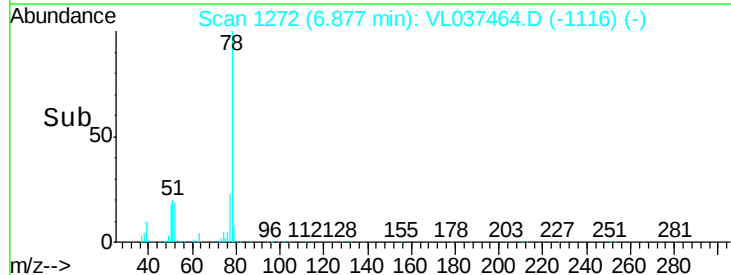
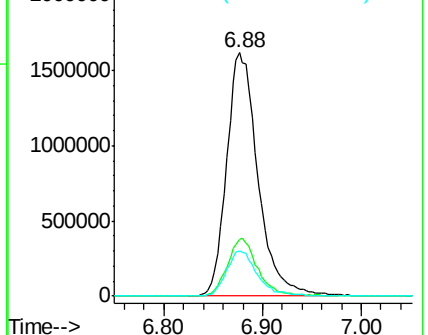
78 100

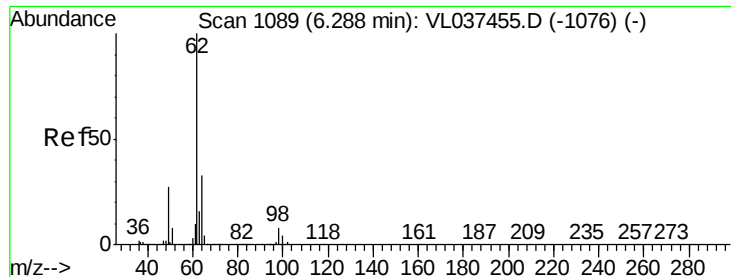
77 23.4 18.2 27.4

50 18.4 14.6 21.8



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





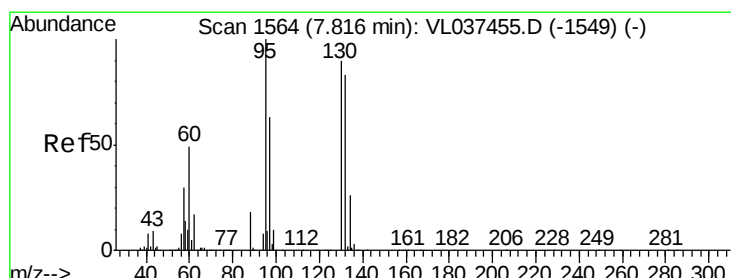
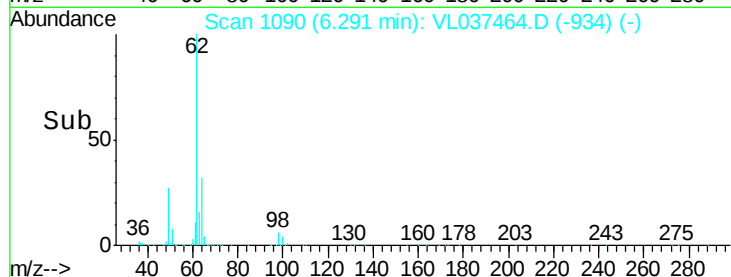
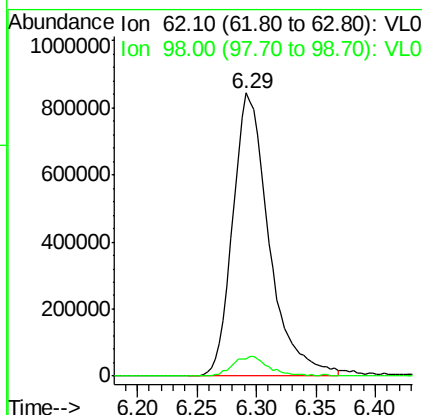
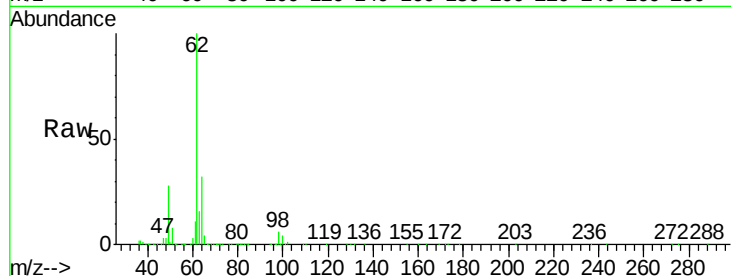
#37
 1,2-Dichloroethane
 Concen: 9.608 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VL037464.D
 Acq: 16 Aug 2021 16:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

Tot Ion: 62 Resp: 1784869
 Ion Ratio Lower Upper
 62 100
 98 7.3 6.0 9.0

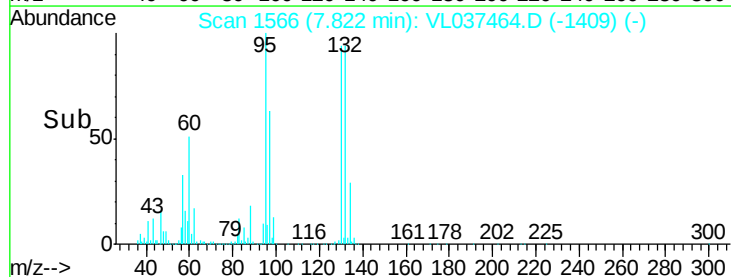
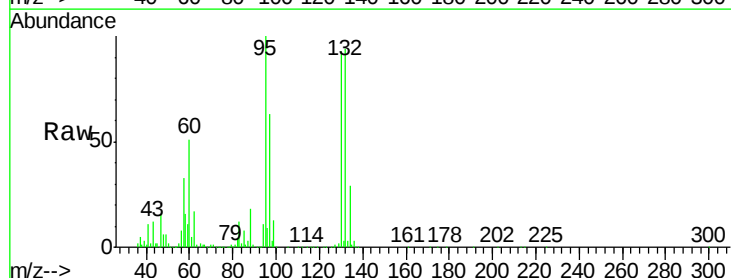
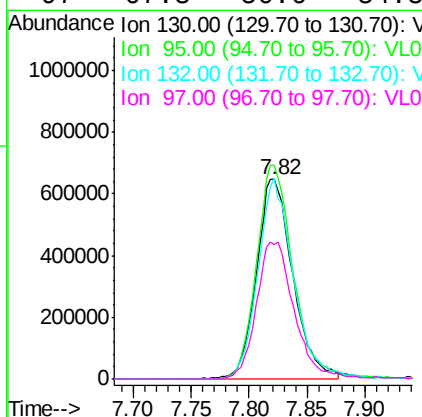
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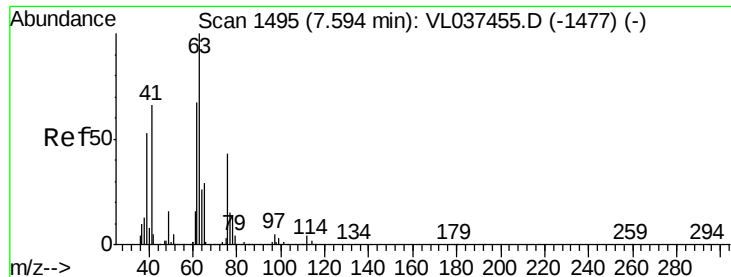
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#38
 Trichloroethene
 Concen: 9.154 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: VL037464.D
 Acq: 16 Aug 2021 16:44

Tgt Ion:130 Resp: 1408618
 Ion Ratio Lower Upper
 130 100
 95 107.1 89.2 133.8
 132 100.8 74.0 111.0
 97 67.3 56.6 84.8





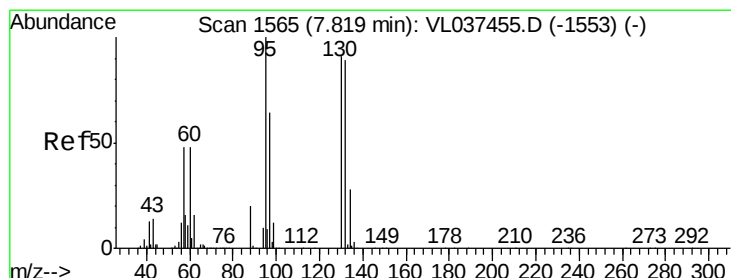
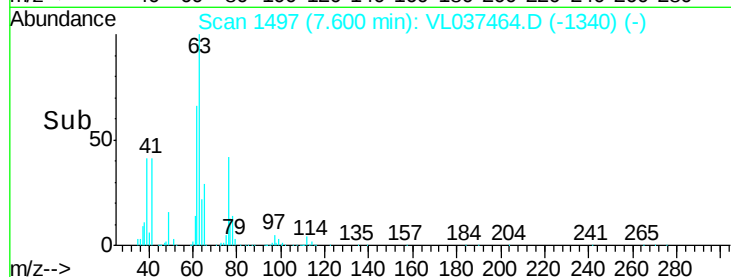
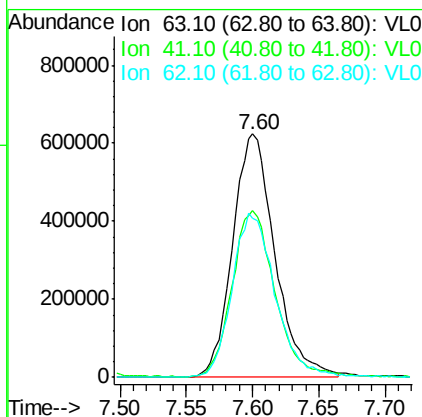
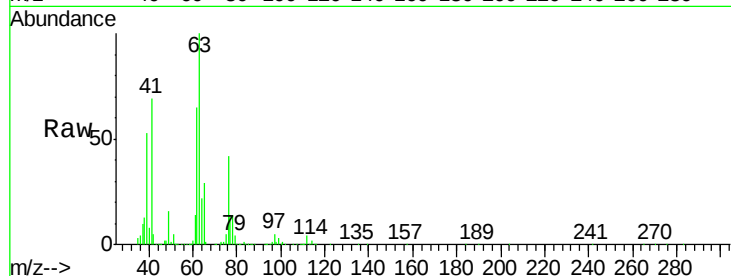
#39
 1,2-Dichloropropane
 Concen: 9.595 ppbv
 RT: 7.60 min Scan# 1497
 Delta R.T. 0.01 min
 Lab File: VL037464.D
 Acq: 16 Aug 2021 16:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	68.4	52.4	78.6
62	65.4	53.6	80.4

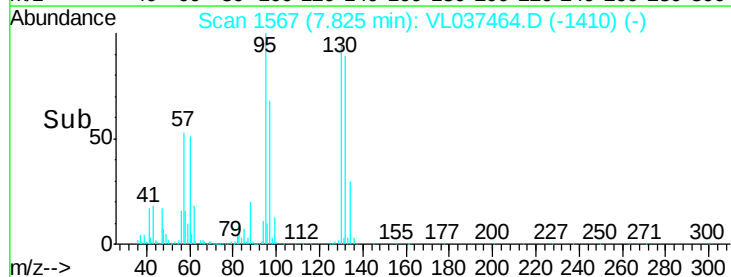
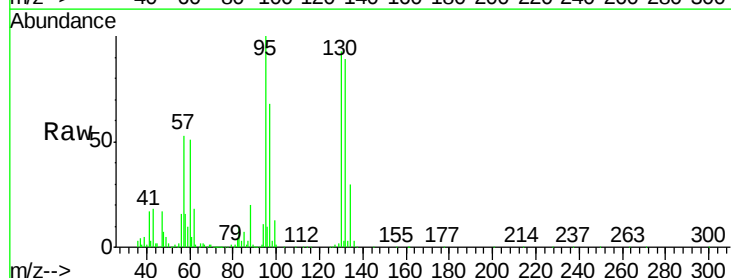
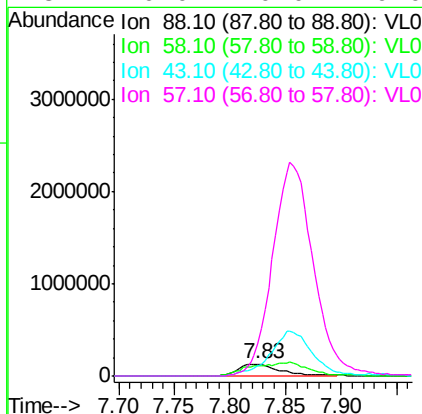
Manual Integrations
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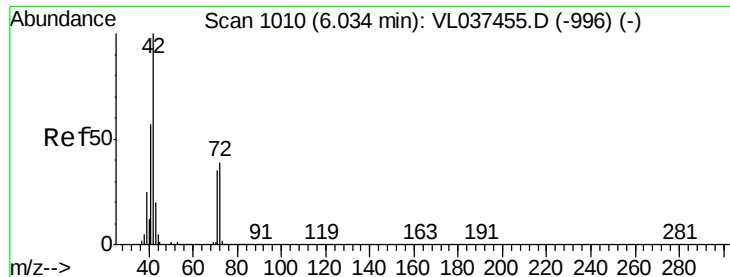
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#40
 1,4-Dioxane
 Concen: 9.733 ppbv m
 RT: 7.83 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VL037464.D
 Acq: 16 Aug 2021 16:44

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	0.0	0.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 9.722 ppbv

RT: 6.04 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

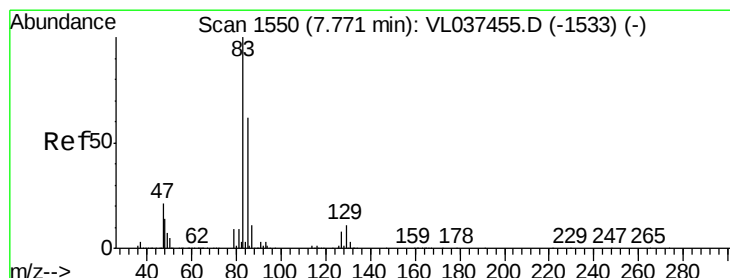
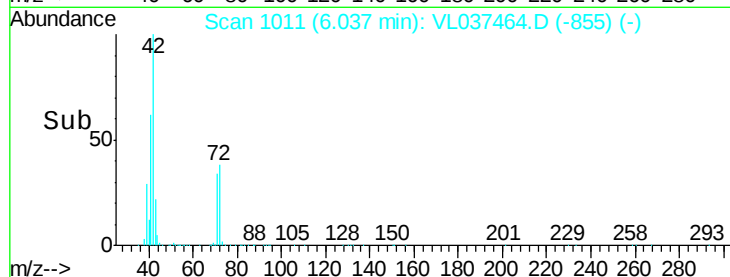
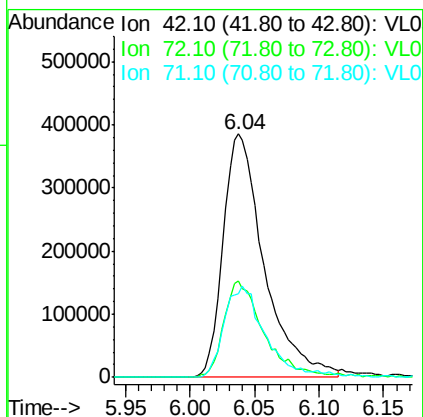
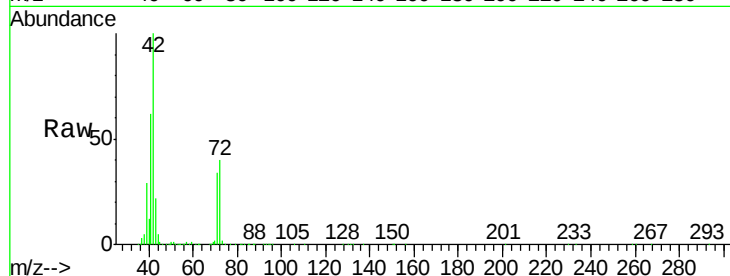
ClientSampleId :

VL0816ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	32.2	48.4
71	38.3	30.5	45.7

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#42

Bromodichloromethane

Concen: 9.853 ppbv

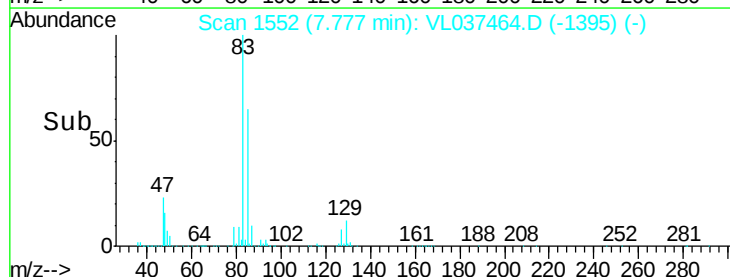
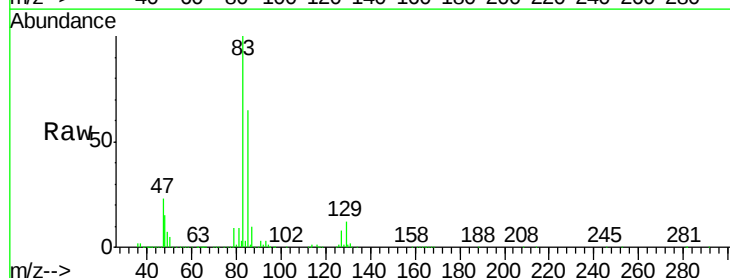
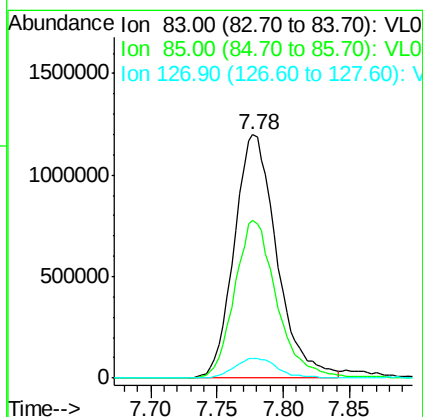
RT: 7.78 min Scan# 1552

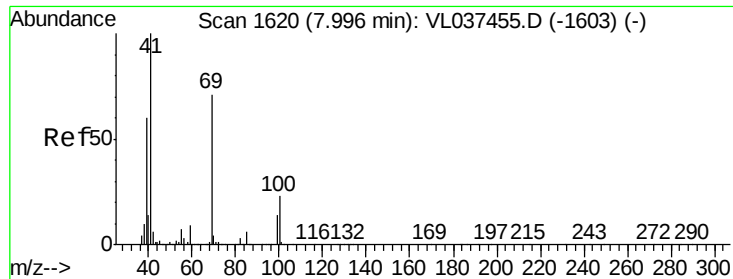
Delta R.T. 0.01 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	49.5	74.3
127	8.1	6.3	9.5





#43

Methyl Methacrylate

Concen: 9.907 ppbv

RT: 8.00 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :
MSVOA_L

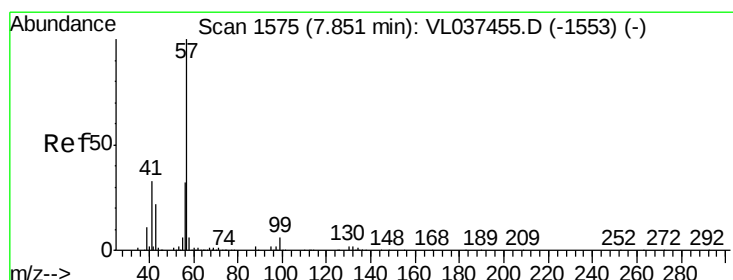
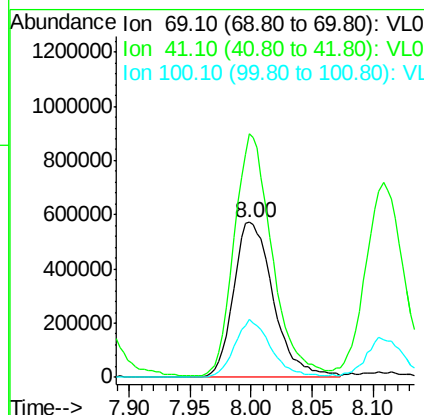
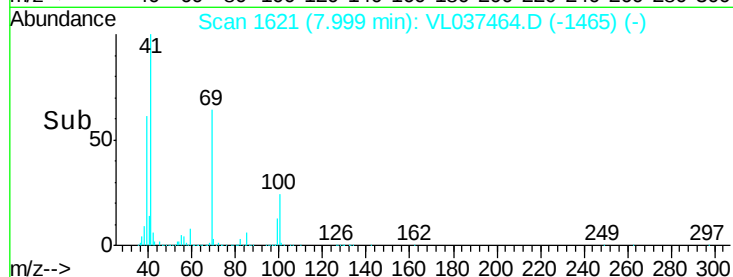
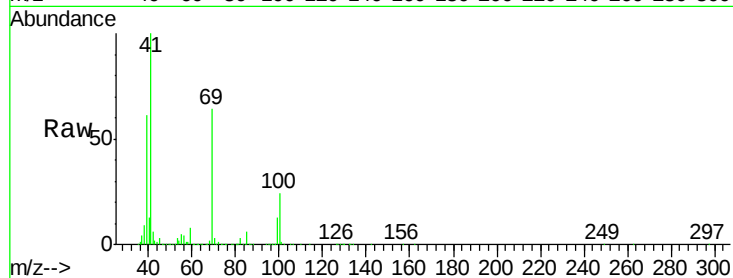
ClientSampleId :
VL0816ABS01

Tot Ion: 69 Resp: 1294953

Ion	Ratio	Lower	Upper
69	100		
41	149.7	118.6	178.0
100	34.6	27.4	41.0

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 9.346 ppbv

RT: 7.85 min Scan# 1576

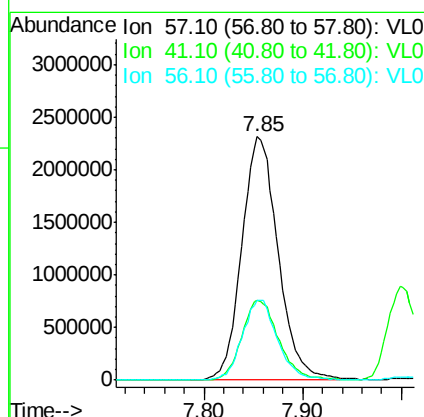
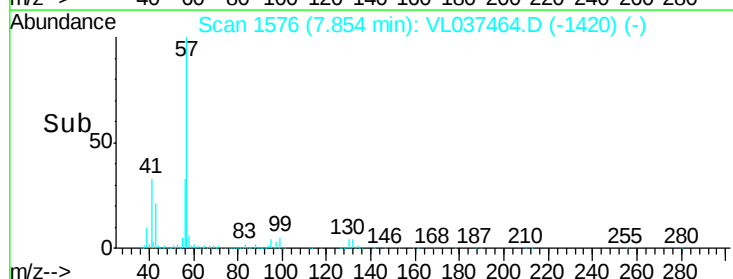
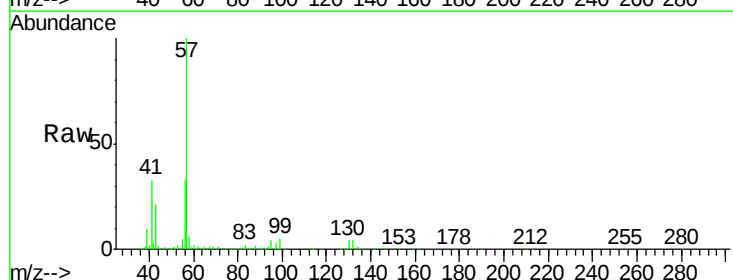
Delta R.T. 0.00 min

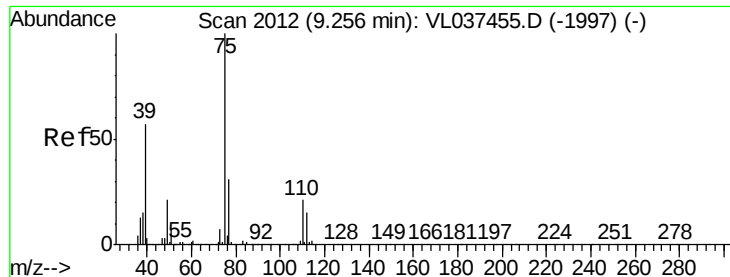
Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Tgt Ion: 57 Resp: 5899129

Ion	Ratio	Lower	Upper
57	100		
41	33.2	26.2	39.4
56	32.0	25.4	38.2





#45

t-1,3-Dichloropropene

Concen: 8.977 ppbv

RT: 9.27 min Scan# 2015

Delta R.T. 0.01 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion: 75 Resp: 883379

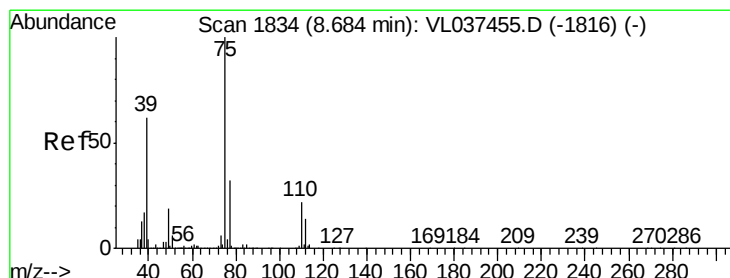
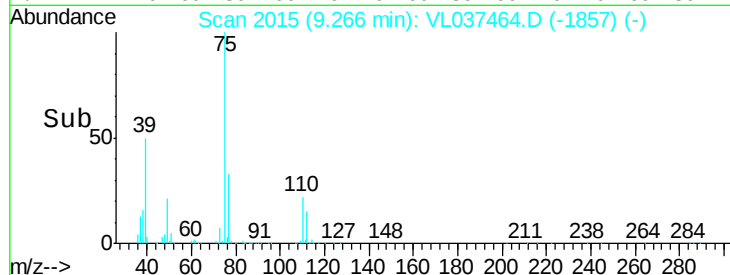
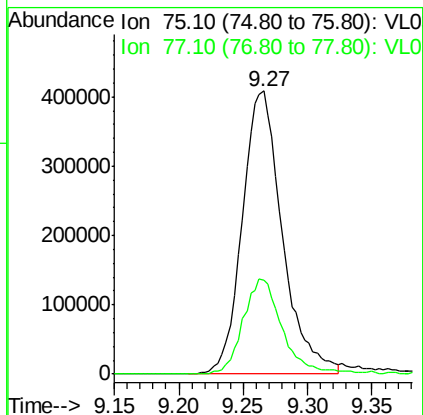
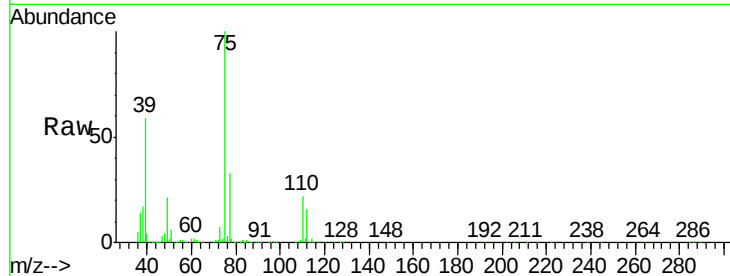
Ion Ratio Lower Upper

75 100

77 33.0 24.5 36.7

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#46

cis-1,3-Dichloropropene

Concen: 8.604 ppbv

RT: 8.69 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

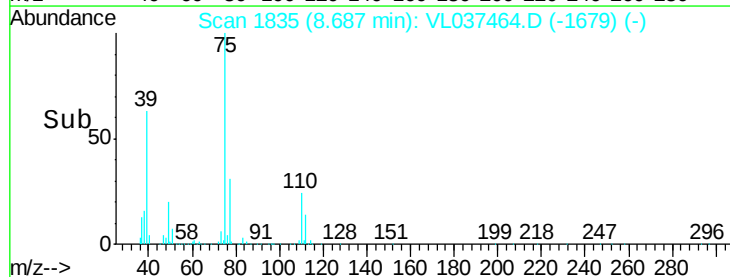
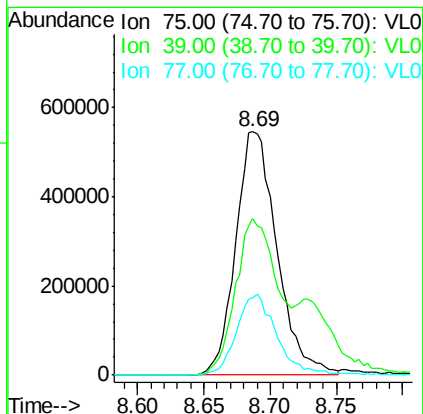
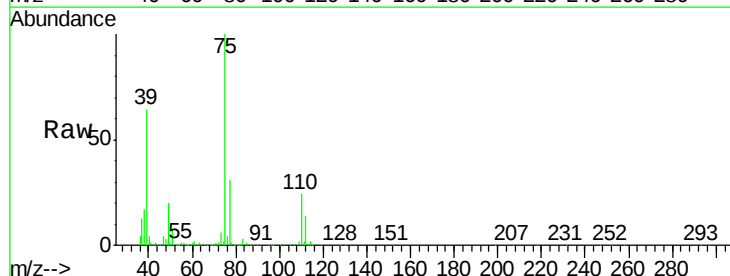
Tgt Ion: 75 Resp: 1181018

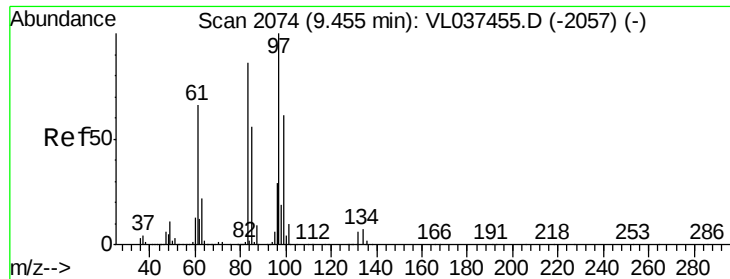
Ion Ratio Lower Upper

75 100

39 63.8 49.7 74.5

77 31.5 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 9.296 ppbv

RT: 9.46 min Scan# 2075

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion: 97 Resp: 1447476

Ion Ratio Lower Upper

97 100

83 89.7 68.7 103.1

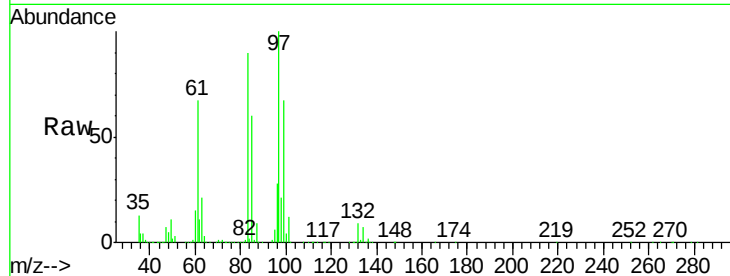
85 59.9 44.7 67.1

99 66.7 48.6 72.8

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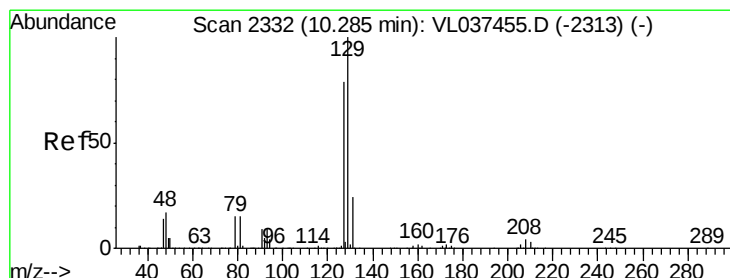
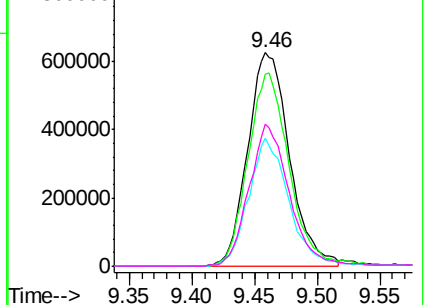
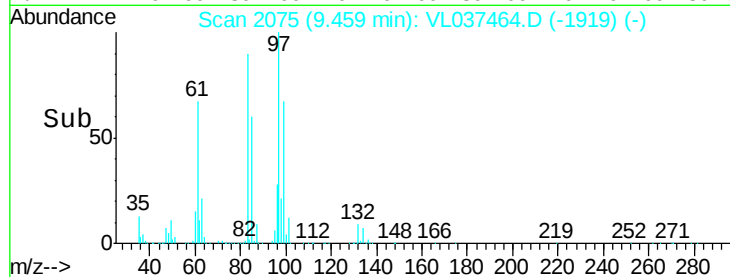


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.439 ppbv

RT: 10.29 min Scan# 2334

Delta R.T. 0.01 min

Lab File: VL037464.D

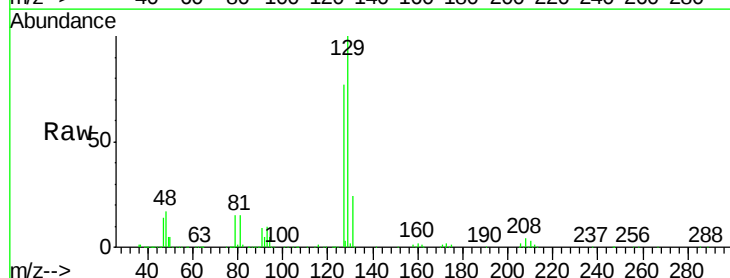
Acq: 16 Aug 2021 16:44

Tgt Ion: 129 Resp: 2339172

Ion Ratio Lower Upper

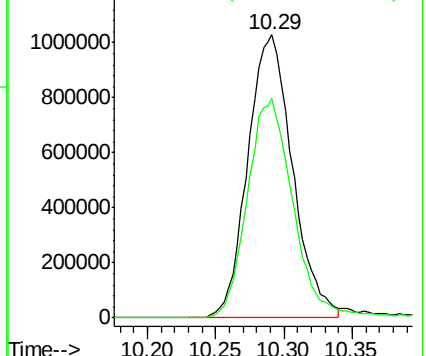
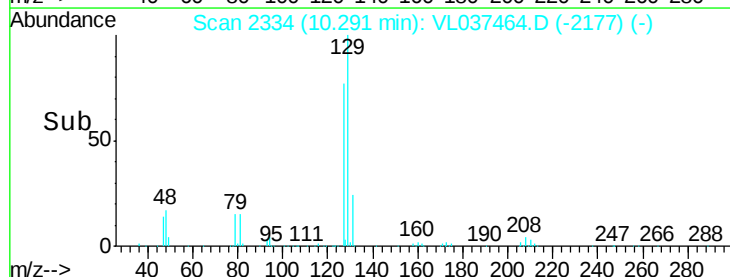
129 100

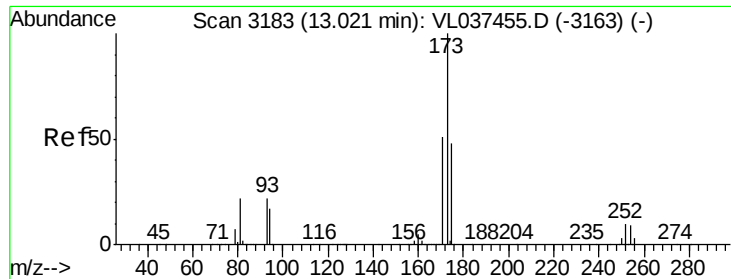
127 79.5 40.0 120.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.745 ppbv

RT: 13.02 min Scan# 3184

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion:173 Resp: 1898018

Ion Ratio Lower Upper

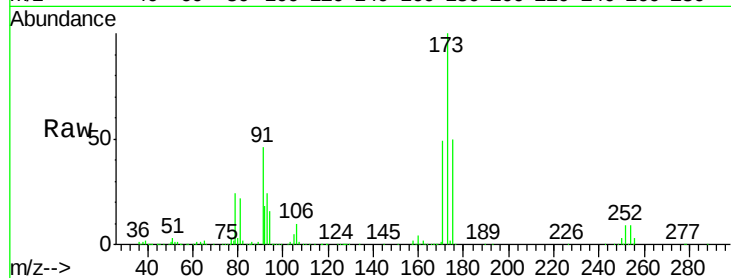
173 100

175 52.8 41.9 62.9

171 56.2 44.2 66.4

Manual Integrations
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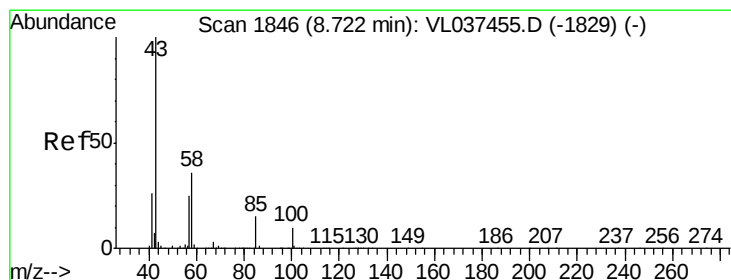
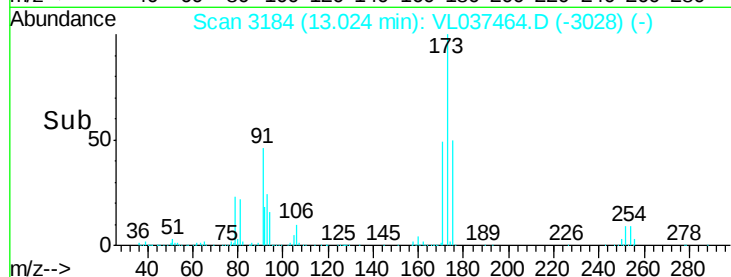
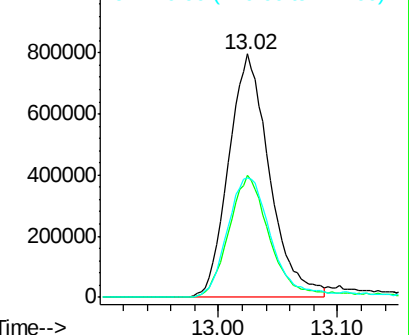
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.085 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VL037464.D

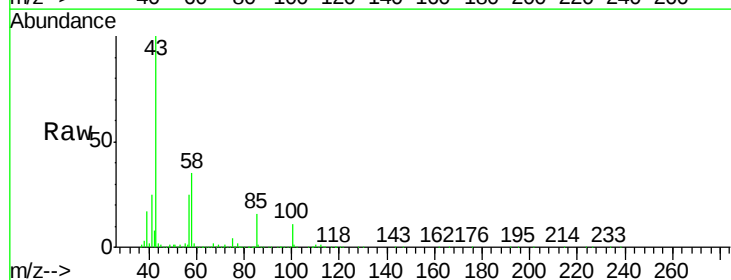
Acq: 16 Aug 2021 16:44

Tgt Ion: 43 Resp: 2396916

Ion Ratio Lower Upper

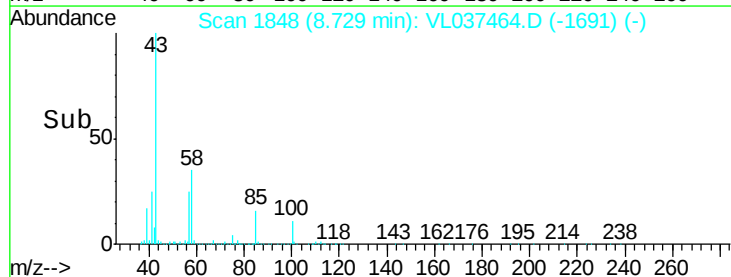
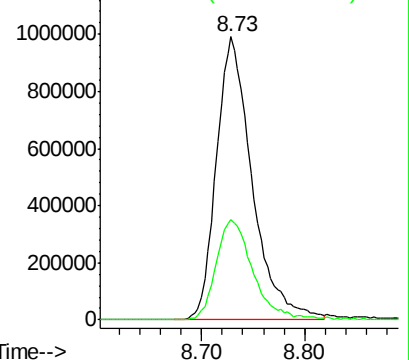
43 100

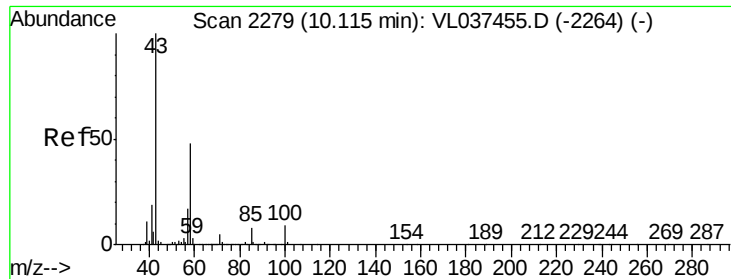
58 36.5 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





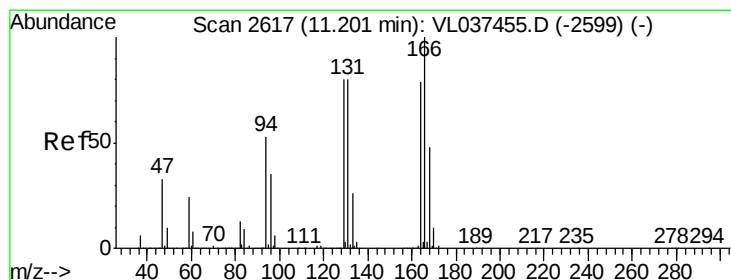
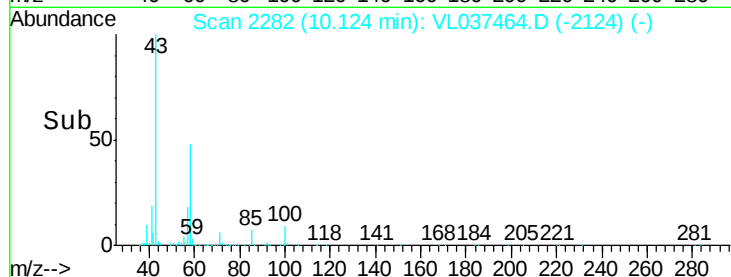
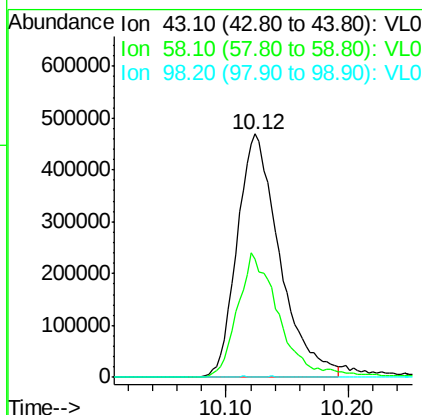
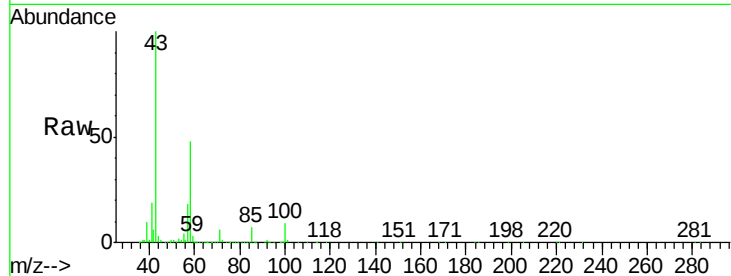
#51
2-Hexanone
Concen: 10.310 ppbv
RT: 10.12 min Scan# 2282
Delta R.T. 0.01 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Instrument :
MSVOA_L
ClientSampleId :
VL0816ABS01

Tot Ion: 43 Resp: 1127134
Ion Ratio Lower Upper
43 100
58 51.5 41.0 61.6
98 0.6 0.3 0.5#

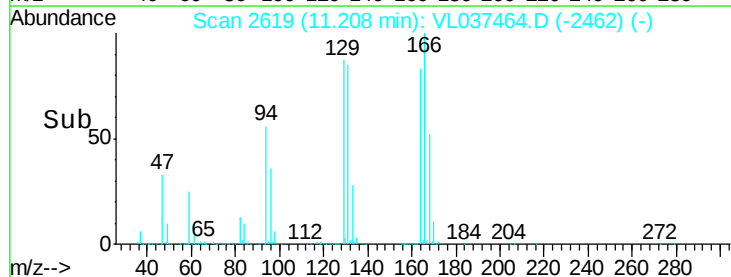
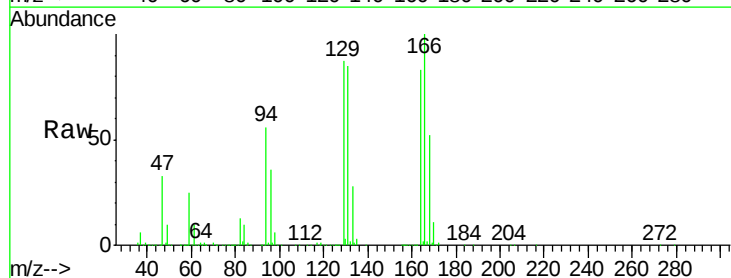
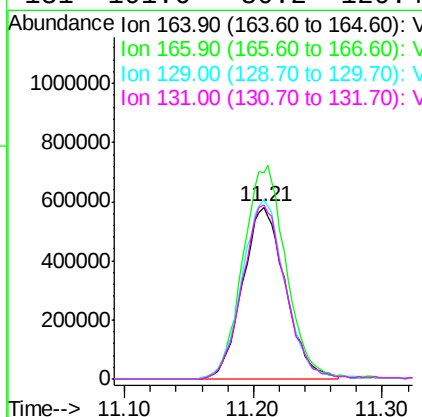
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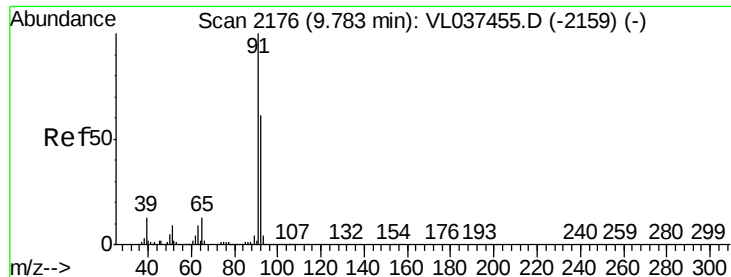
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#52
Tetrachloroethene
Concen: 8.704 ppbv
RT: 11.21 min Scan# 2619
Delta R.T. 0.01 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Tgt Ion: 164 Resp: 1337592
Ion Ratio Lower Upper
164 100
166 120.1 100.7 151.1
129 104.1 80.9 121.3
131 101.6 80.2 120.4





#53

Toluene

Concen: 9.716 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. 0.01 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion: 91 Resp: 4160509

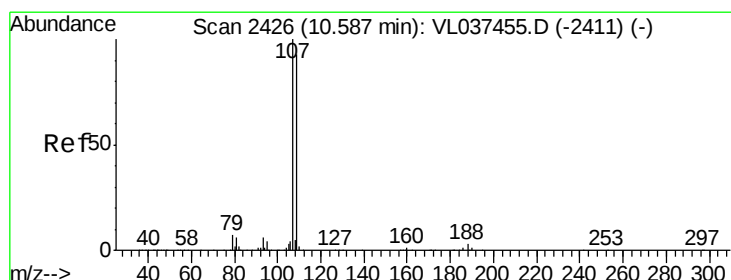
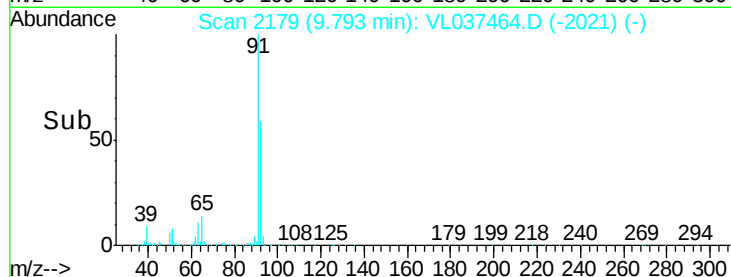
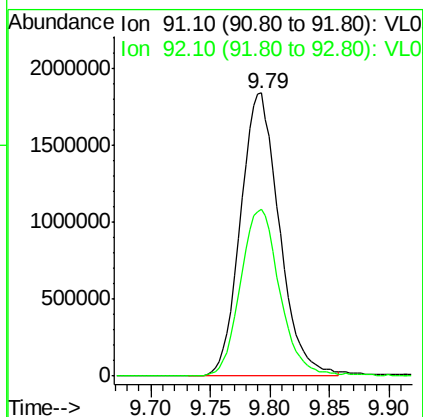
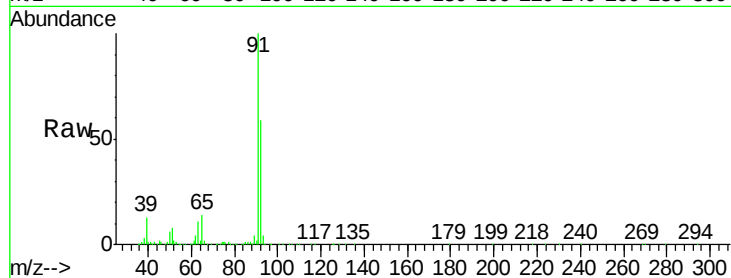
Ion Ratio Lower Upper

91 100

92 60.4 48.8 73.2

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 9.445 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. 0.01 min

Lab File: VL037464.D

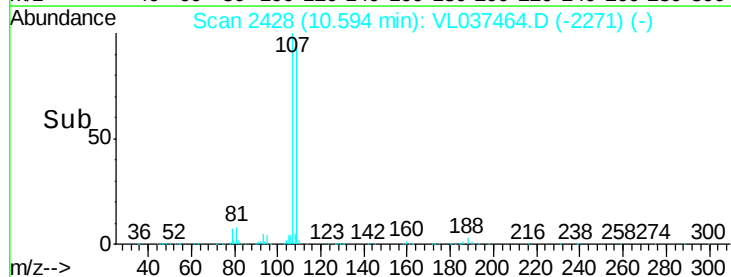
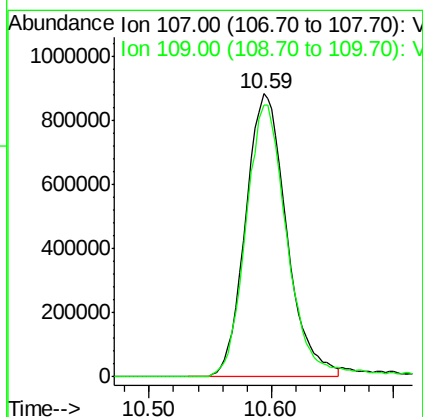
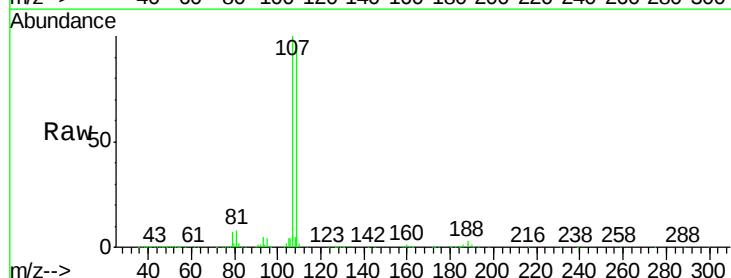
Acq: 16 Aug 2021 16:44

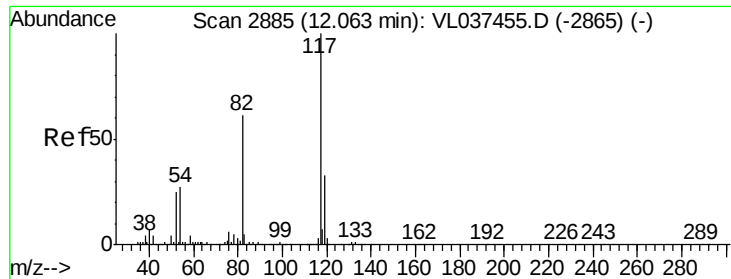
Tgt Ion: 107 Resp: 2053099

Ion Ratio Lower Upper

107 100

109 96.2 74.2 111.4





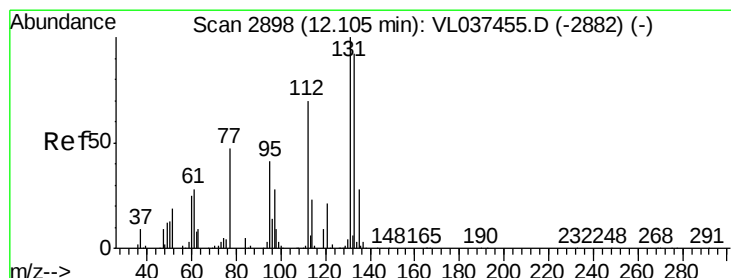
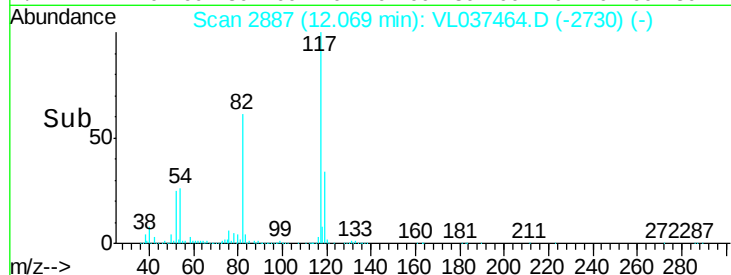
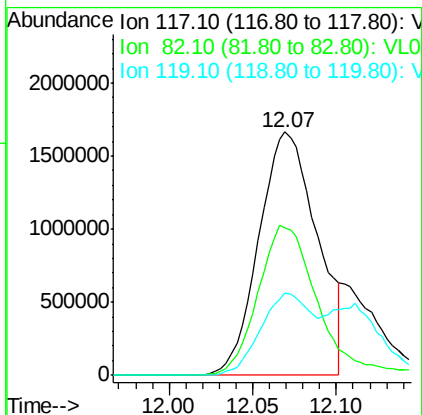
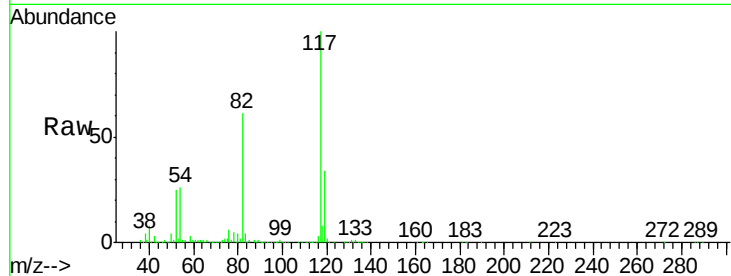
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.07 min Scan# 2887
Delta R.T. 0.01 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Instrument :
MSVOA_L
ClientSampleId :
VL0816ABS01

Tot Ion:117 Resp: 4041298
Ion Ratio Lower Upper
117 100
82 65.2 52.9 79.3
119 59.4 24.8 37.2#

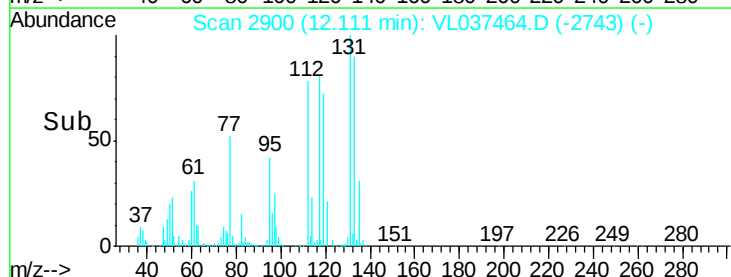
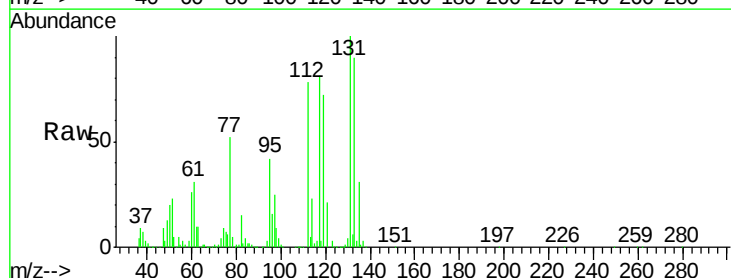
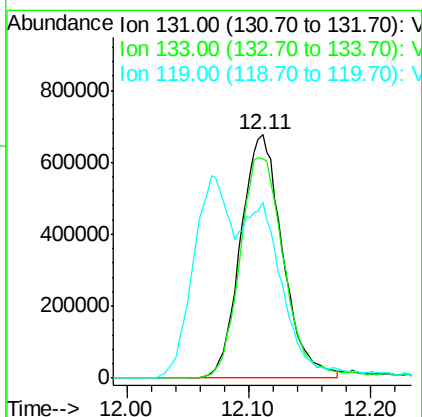
Manual Integrations
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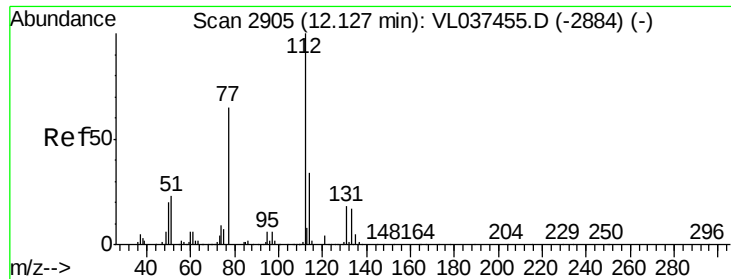
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.556 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.01 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Tgt Ion:131 Resp: 1609203
Ion Ratio Lower Upper
131 100
133 99.0 78.7 118.1
119 70.7 56.6 85.0





#57

Chlorobenzene

Concen: 8.976 ppbv

RT: 12.13 min Scan# 2907

Delta R.T. 0.01 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion:112 Resp: 3010465

Ion Ratio Lower Upper

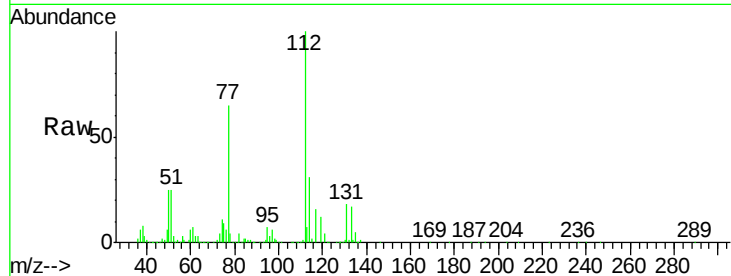
112 100

77 63.5 51.6 77.4

114 31.2 30.7 37.5

Manual Integrations
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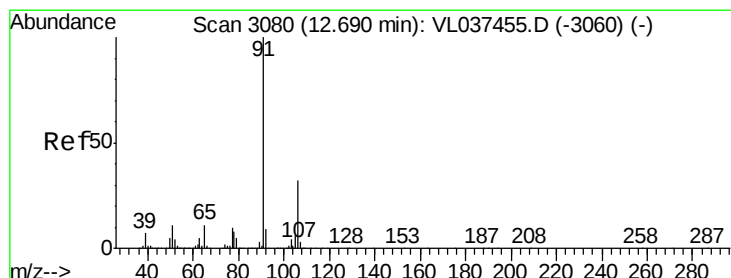
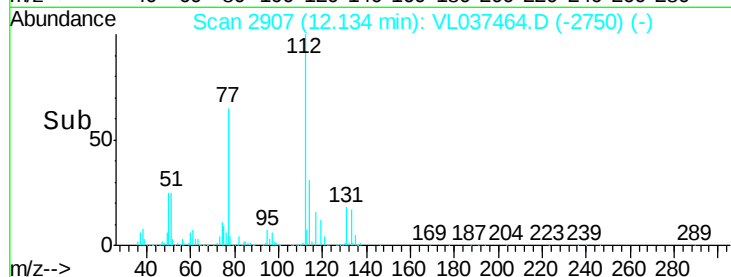
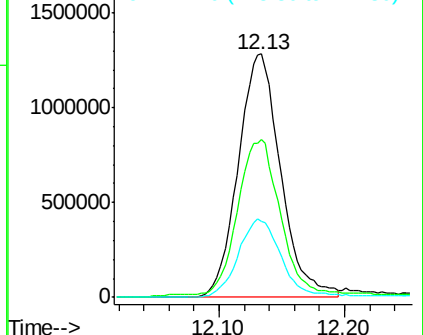
MMDadoda
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.502 ppbv

RT: 12.69 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VL037464.D

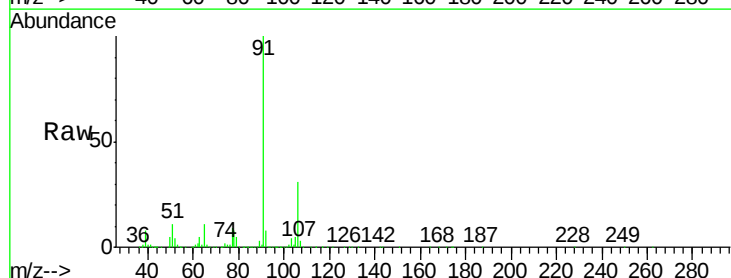
Acq: 16 Aug 2021 16:44

Tgt Ion: 91 Resp: 5328712

Ion Ratio Lower Upper

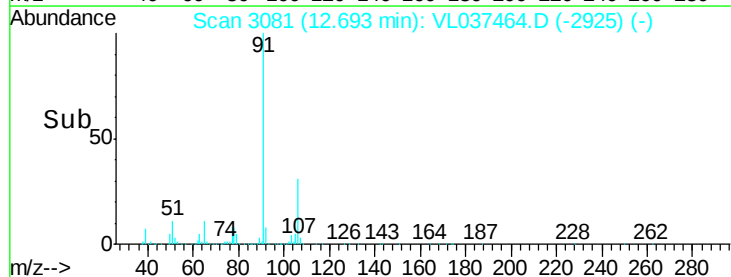
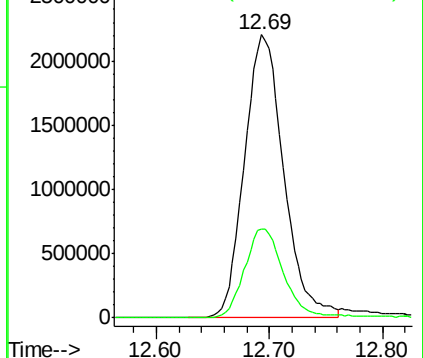
91 100

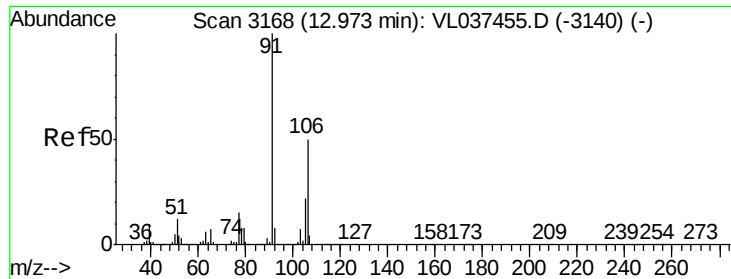
106 31.4 25.7 38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





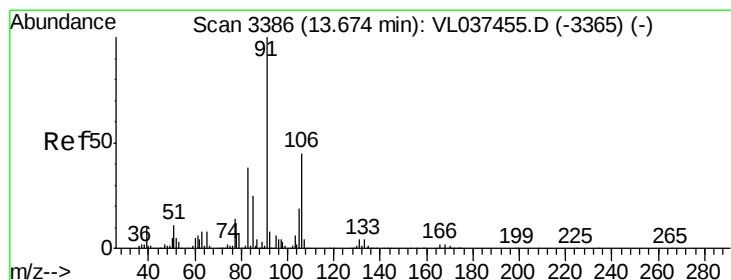
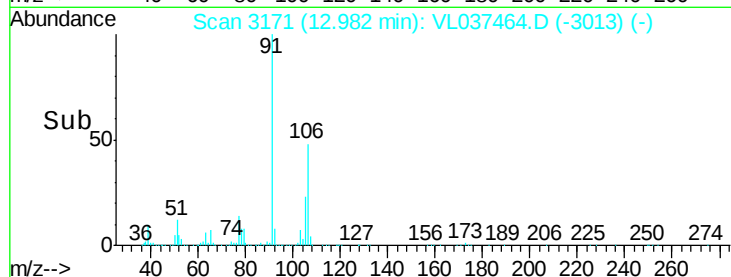
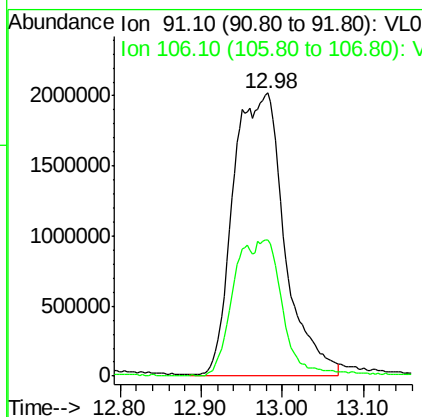
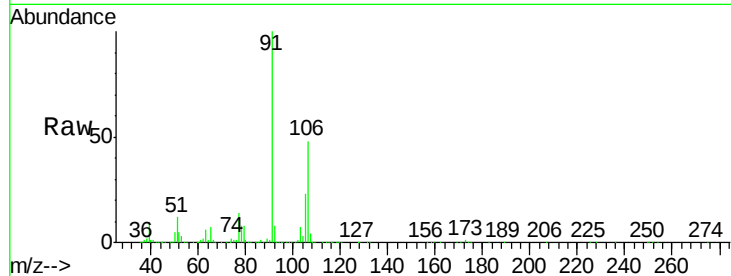
#59
m/p-Xylene
Concen: 18.401 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. 0.01 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Instrument :
MSVOA_L
ClientSampleId :
VL0816ABS01

Tot Ion: 91 Resp: 8946600
Ion Ratio Lower Upper
91 100
106 46.8 36.9 55.3

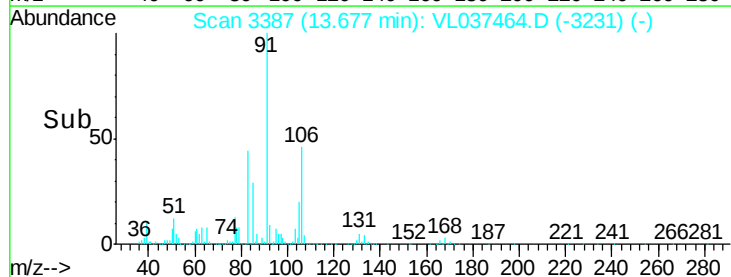
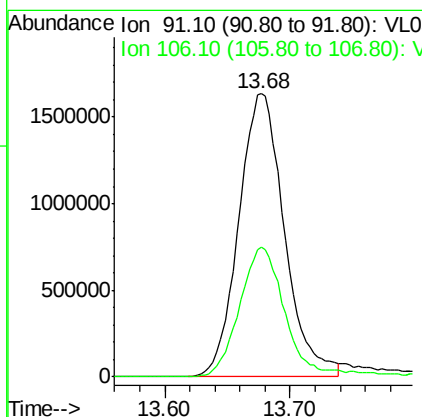
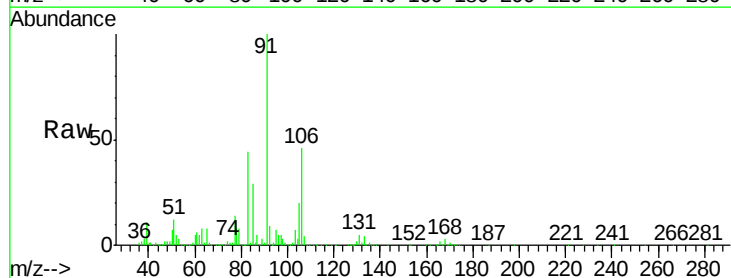
Manual Integrations
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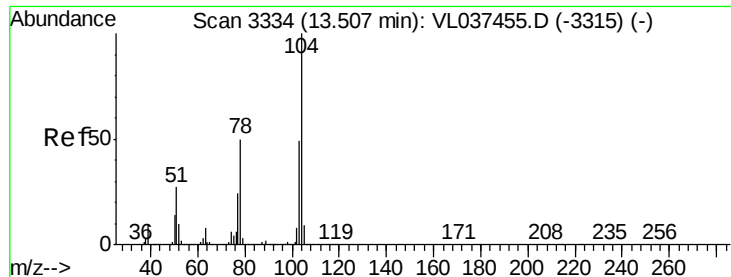
MMDadoda
8/19/2021 5:59:24 PM



#60
o-Xylene
Concen: 9.078 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. 0.00 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Tgt Ion: 91 Resp: 4119598
Ion Ratio Lower Upper
91 100
106 47.7 23.7 71.1





#61

Stvrene

Concen: 10.202 ppbv

RT: 13.51 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion:104 Resp: 2405047

Ion Ratio Lower Upper

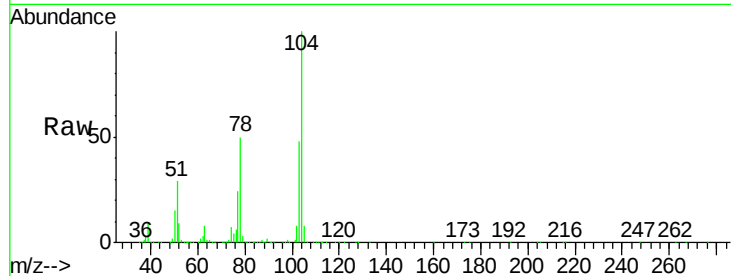
104 100

78 51.0 41.3 61.9

103 48.6 39.4 59.0

Manual Integrations
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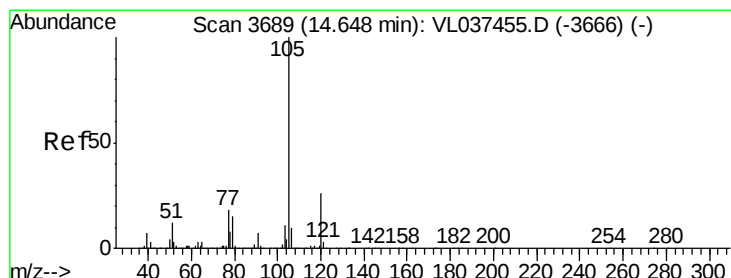
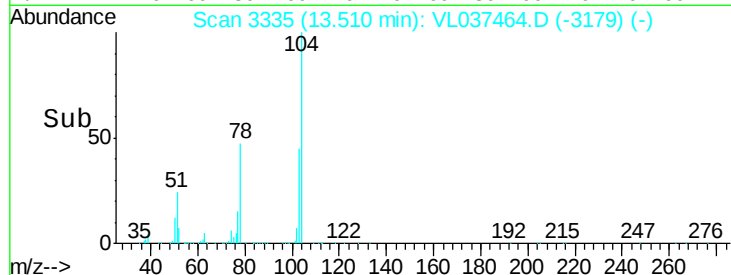
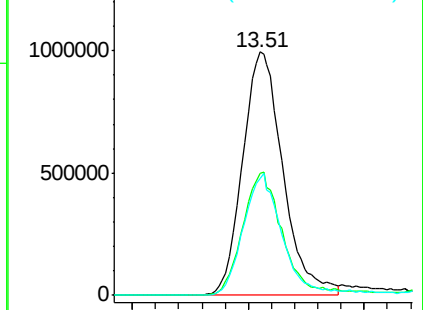
MMDadoda
8/19/2021 5:59:24 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.206 ppbv

RT: 14.65 min Scan# 3690

Delta R.T. 0.00 min

Lab File: VL037464.D

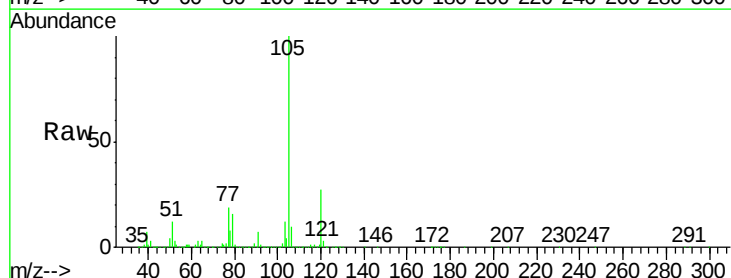
Acq: 16 Aug 2021 16:44

Tgt Ion:105 Resp: 5895936

Ion Ratio Lower Upper

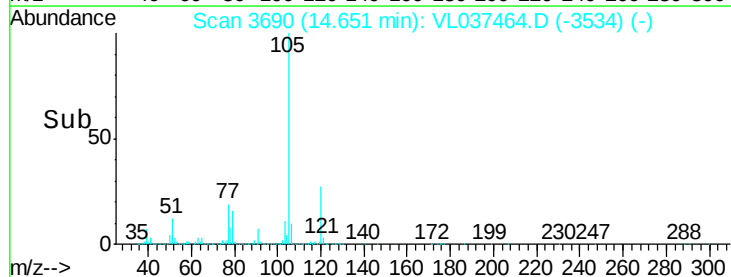
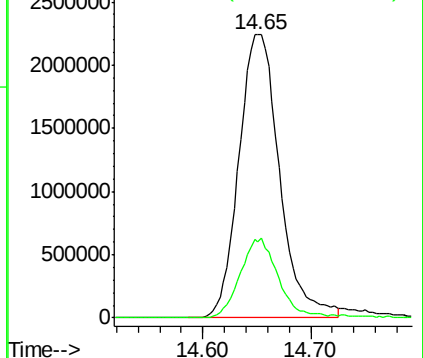
105 100

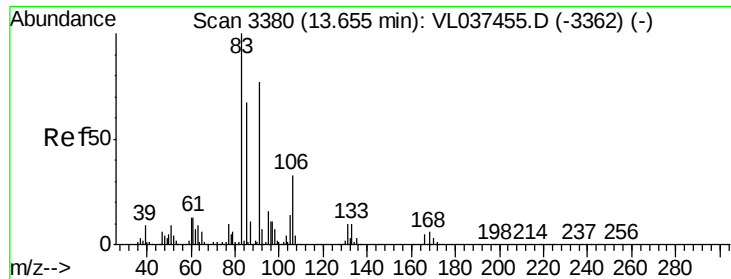
120 27.1 21.5 32.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





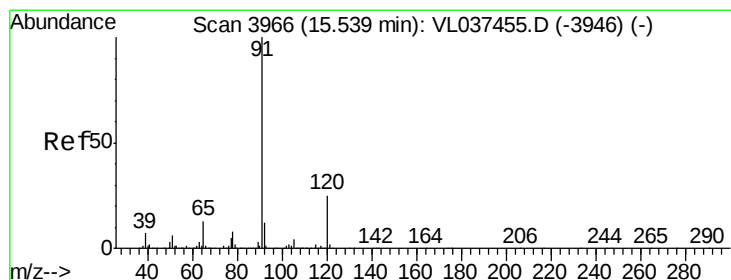
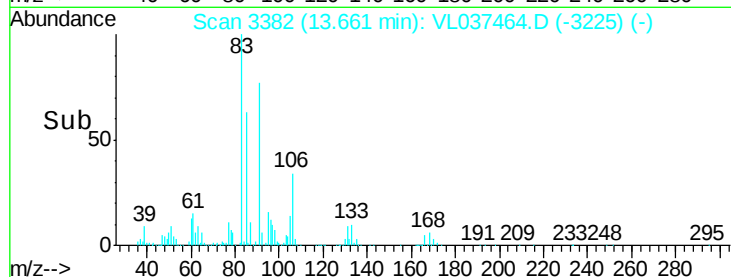
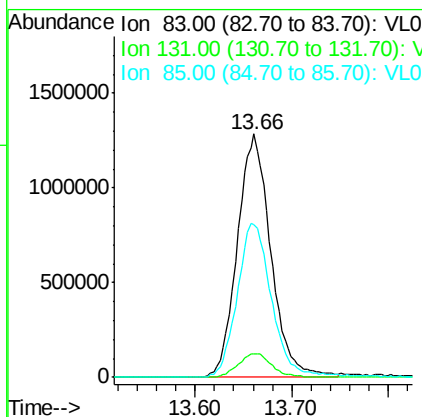
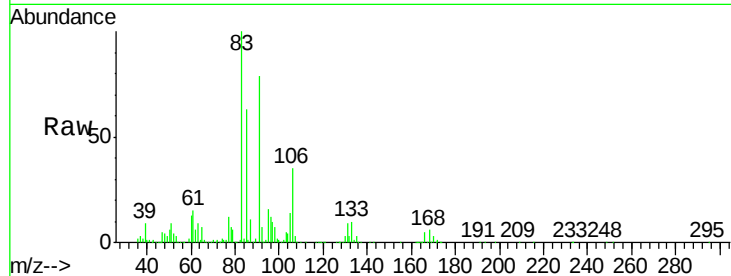
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.149 ppbv
 RT: 13.66 min Scan# 3382
 Delta R.T. 0.01 min
 Lab File: VL037464.D
 Acq: 16 Aug 2021 16:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

Tot Ion: 83 Resp: 3085645
 Ion Ratio Lower Upper
 83 100
 131 10.2 5.0 15.0
 85 66.1 33.8 101.3

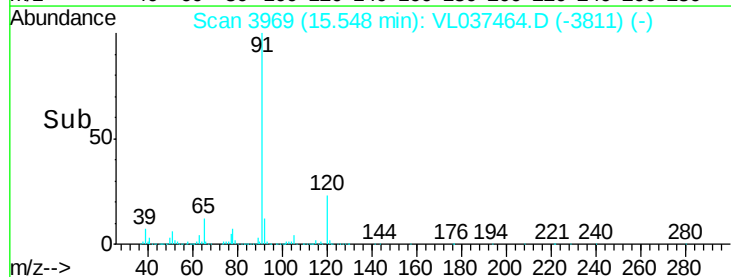
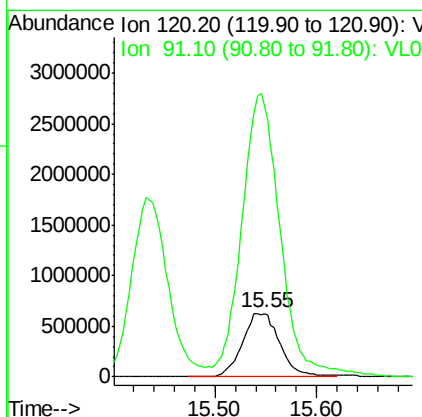
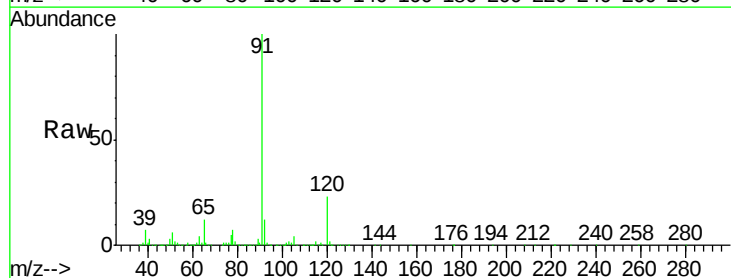
Manual Integrations
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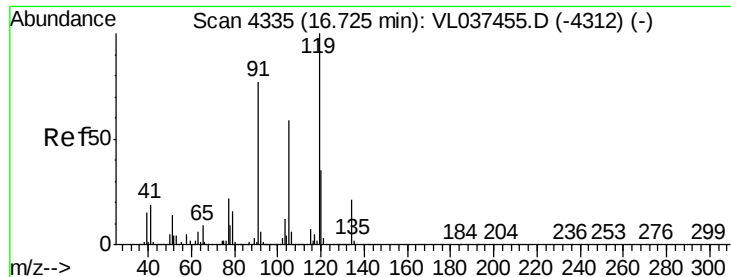
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#64
 n-propylbenzene
 Concen: 9.757 ppbv m
 RT: 15.55 min Scan# 3969
 Delta R.T. 0.01 min
 Lab File: VL037464.D
 Acq: 16 Aug 2021 16:44

Tgt Ion: 120 Resp: 1590241
 Ion Ratio Lower Upper
 120 100
 91 275.7 373.8 560.6#





#65

tert-Butylbenzene

Concen: 9.088 ppbv

RT: 16.73 min Scan# 4335

Delta R.T. -0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion:119 Resp: 5301020

Ion Ratio Lower Upper

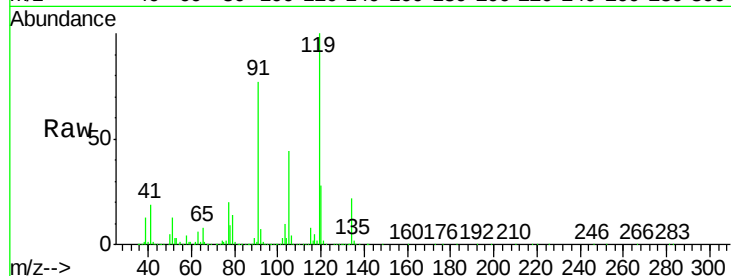
119 100

91 78.2 62.9 94.3

134 20.7 16.4 24.6

Manual Integrations
APPROVED

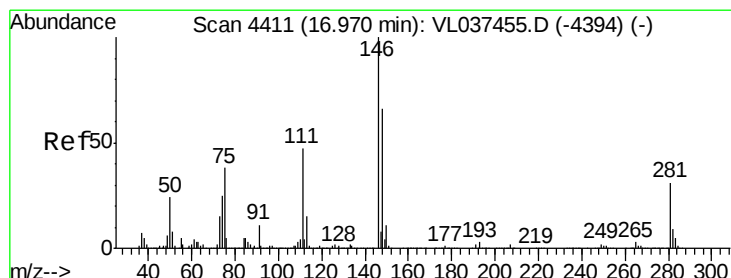
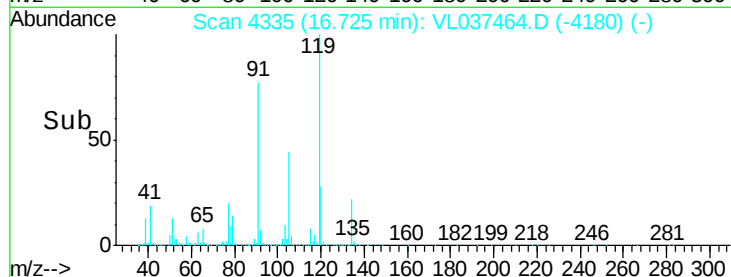
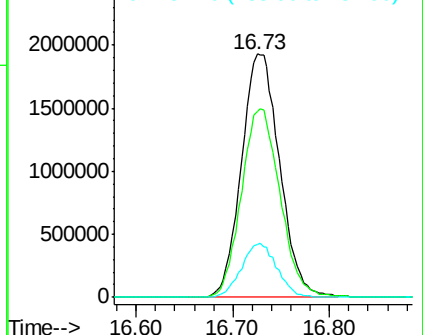
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 9.692 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. -0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

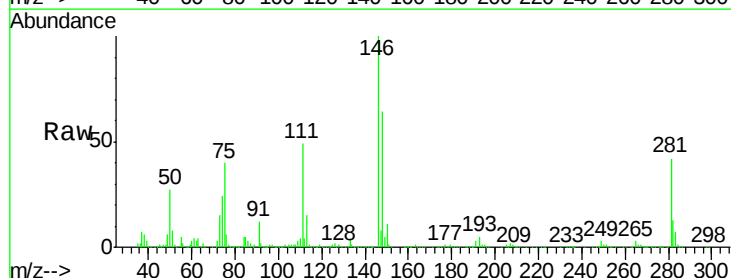
Tgt Ion: 91 Resp: 255733

Ion Ratio Lower Upper

91 100

126 20.4 15.9 23.9

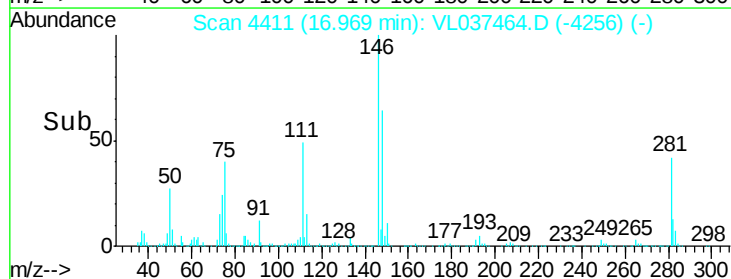
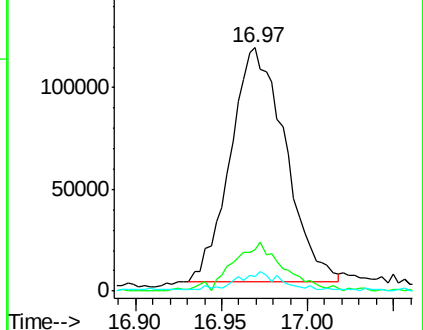
128 7.9 5.4 8.0

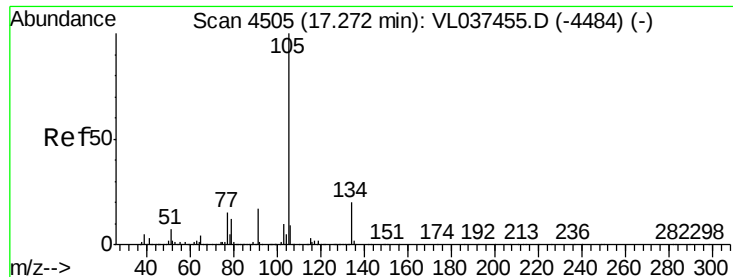


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.052 ppbv

RT: 17.27 min Scan# 4506

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion:105 Resp: 7377184

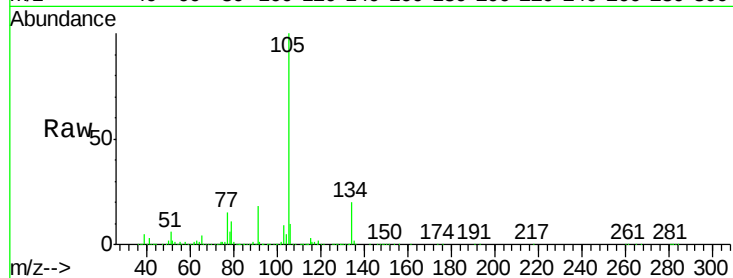
Ion Ratio Lower Upper

105 100

134 19.4 15.2 22.8

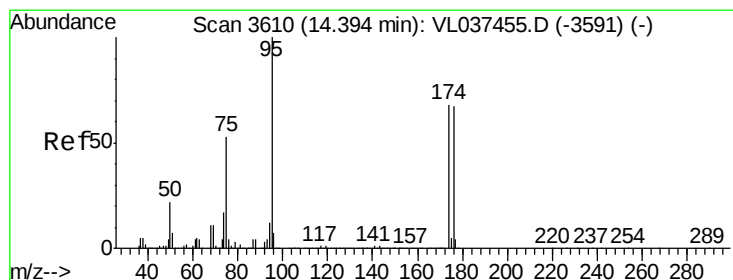
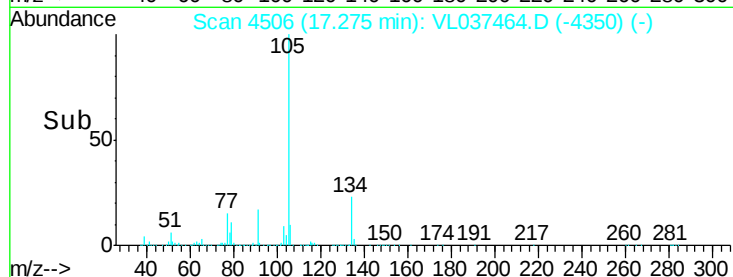
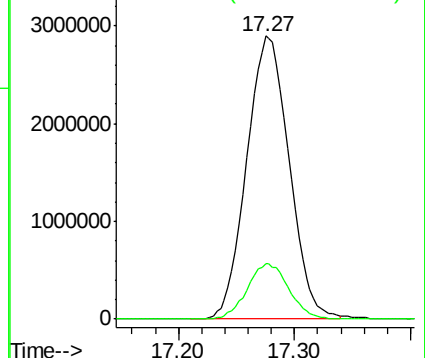
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.466 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

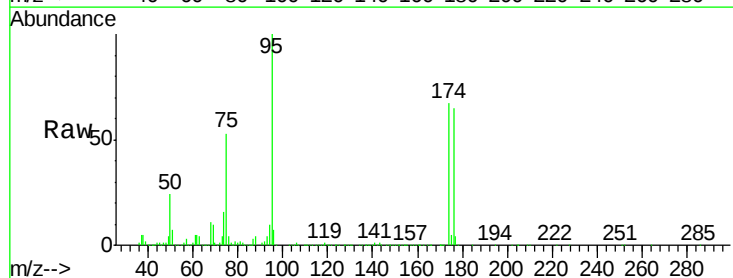
Tgt Ion: 95 Resp: 3005061

Ion Ratio Lower Upper

95 100

174 73.8 59.6 89.4

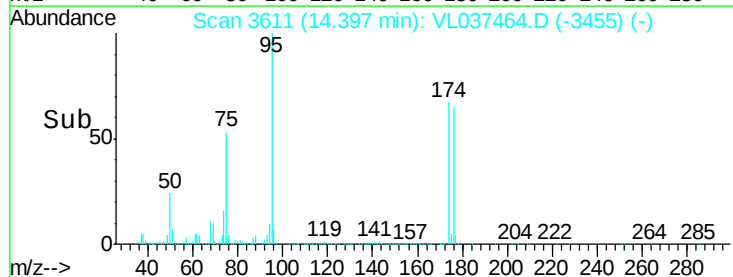
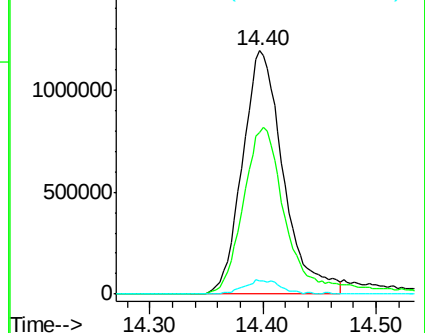
175 5.4 4.6 7.0

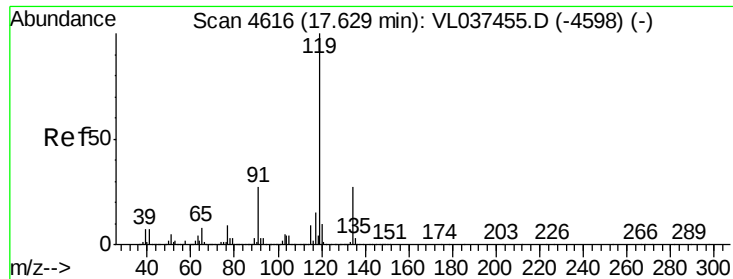


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





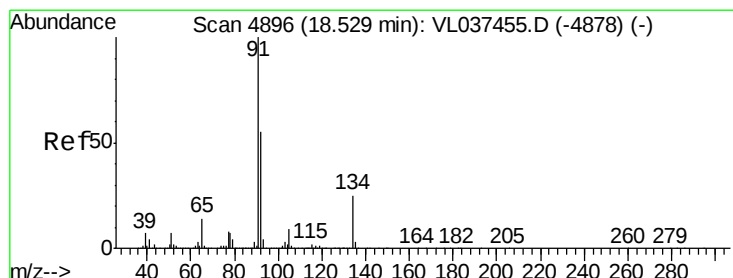
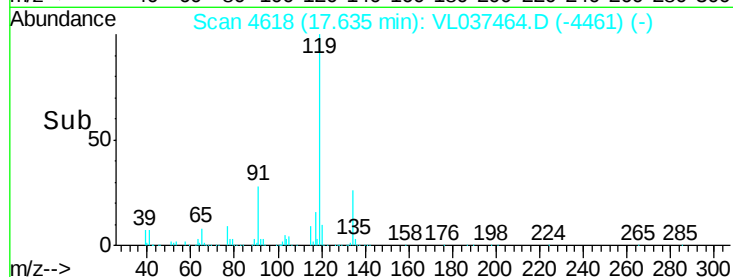
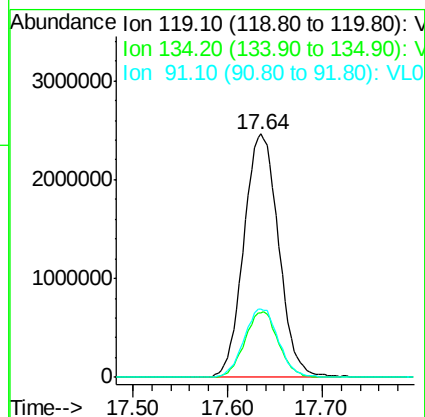
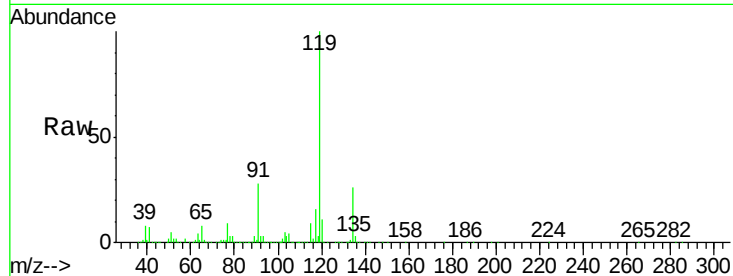
#69
p-Isopropyltoluene
Concen: 9.455 ppbv
RT: 17.64 min Scan# 4618
Delta R.T. 0.01 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Instrument :
MSVOA_L
ClientSampleId :
VL0816ABS01

Tot Ion:119 Resp: 6279572
Ion Ratio Lower Upper
119 100
134 26.2 21.1 31.7
91 27.7 22.4 33.6

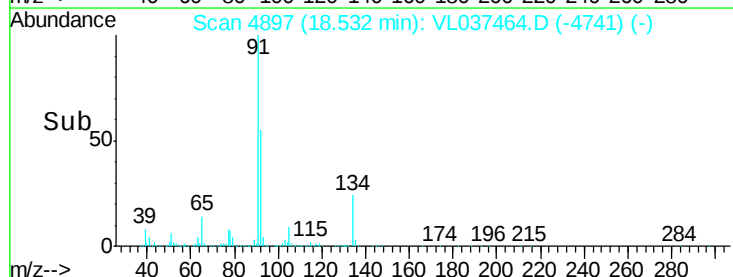
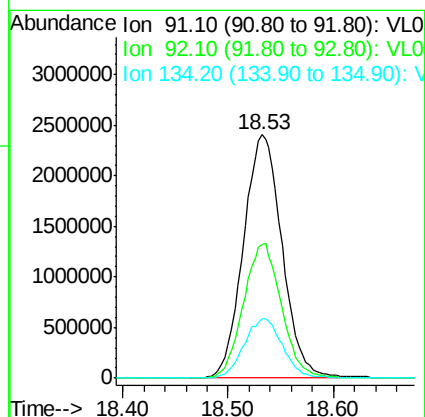
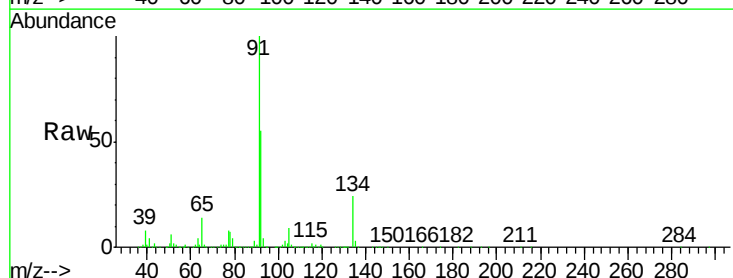
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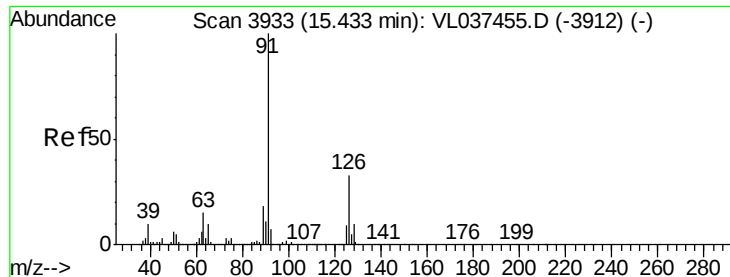
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#70
n-Butylbenzene
Concen: 9.641 ppbv
RT: 18.53 min Scan# 4897
Delta R.T. 0.00 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Tgt Ion: 91 Resp: 6119058
Ion Ratio Lower Upper
91 100
92 54.7 44.0 66.0
134 24.3 19.5 29.3





#71

2-Chlorotoluene

Concen: 9.331 ppbv

RT: 15.43 min Scan# 3933

Delta R.T. -0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion: 91 Resp: 4382359

Ion Ratio Lower Upper

91 100

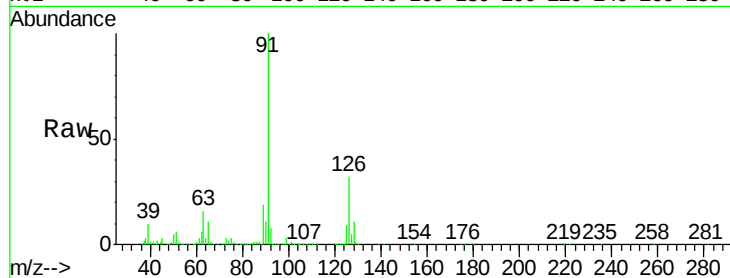
126 34.0 13.6 54.4

Manual Integrations

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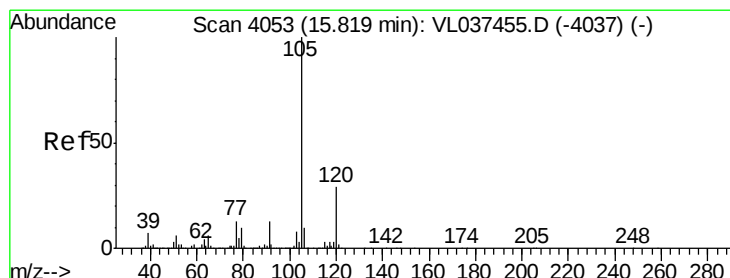
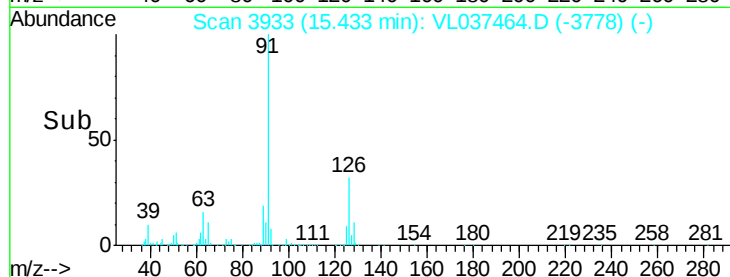
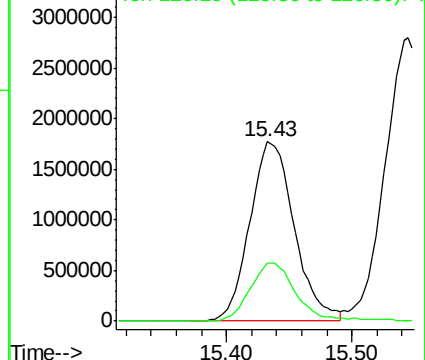
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.574 ppbv

RT: 15.82 min Scan# 4055

Delta R.T. 0.01 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Tgt Ion:105 Resp: 5167607

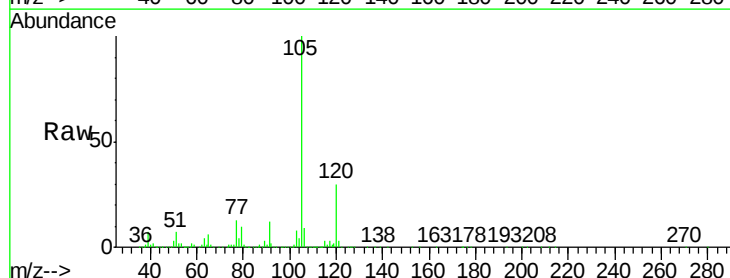
Ion Ratio Lower Upper

105 100

120 30.8 24.7 37.1

91 12.4 9.8 14.8

77 13.3 10.6 15.8

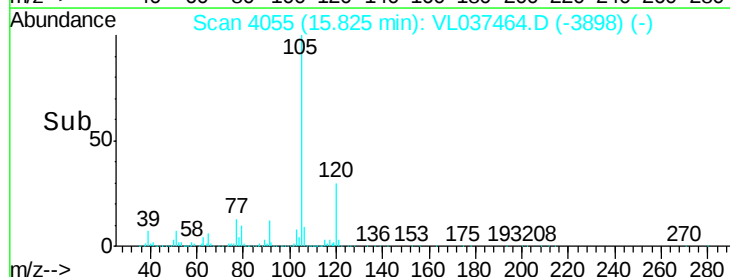
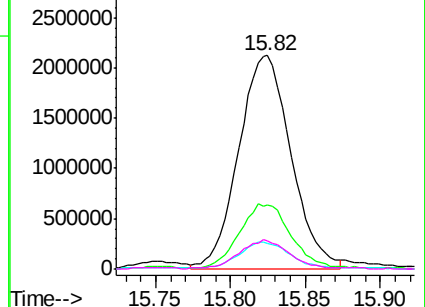


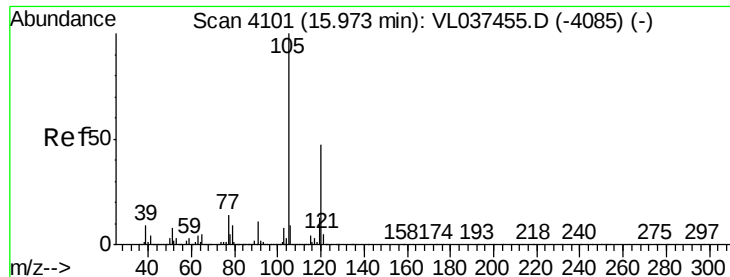
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 9.559 ppbv

RT: 15.98 min Scan# 4104

Delta R.T. 0.01 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion:105 Resp: 4802411

Ion Ratio Lower Upper

105 100

120 47.3

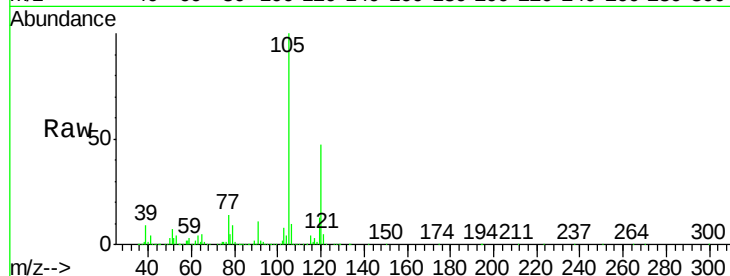
37.6

56.4

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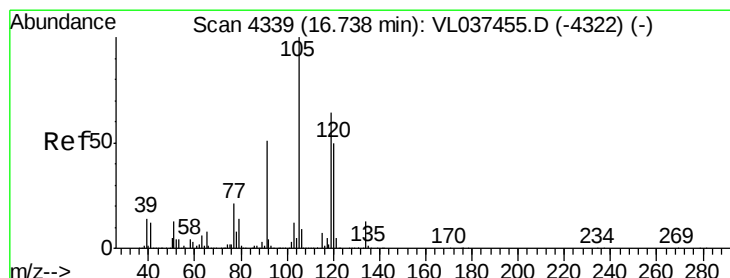
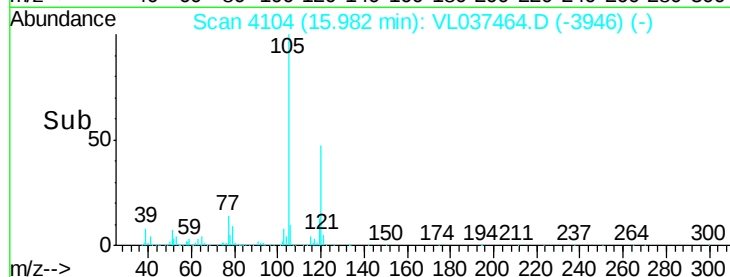
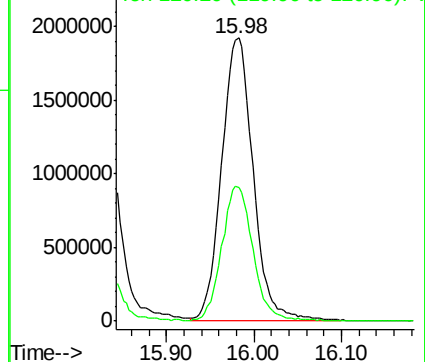
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.983 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.01 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Tgt Ion:105 Resp: 4795815

Ion Ratio Lower Upper

105 100

120 48.8

40.4

60.6

91 51.9

44.6

67.0

77 22.0

17.8

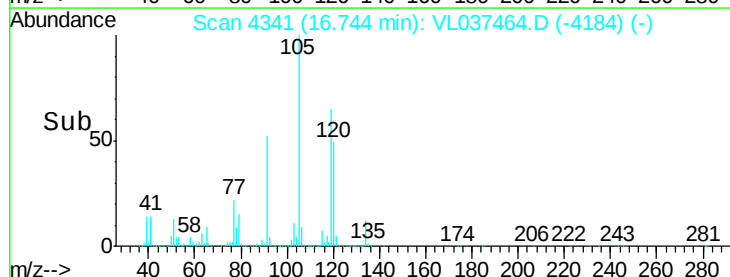
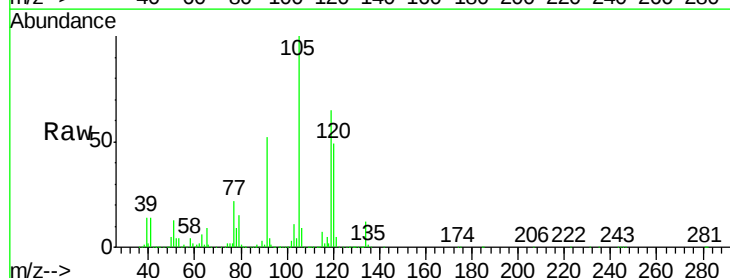
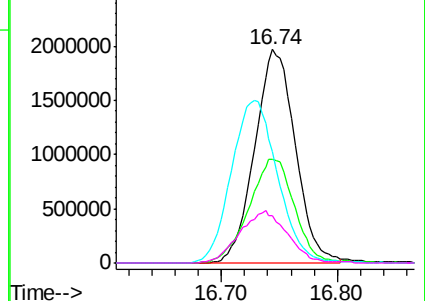
26.6

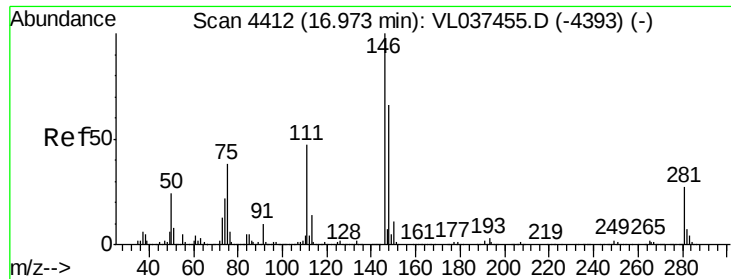
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 9.172 ppbv

RT: 16.98 min Scan# 4414

Delta R.T. 0.01 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion:146 Resp: 2947403

Ion Ratio Lower Upper

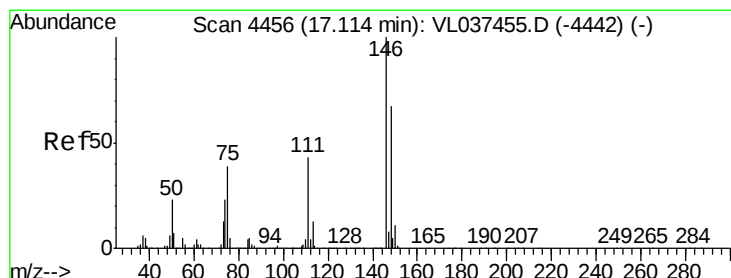
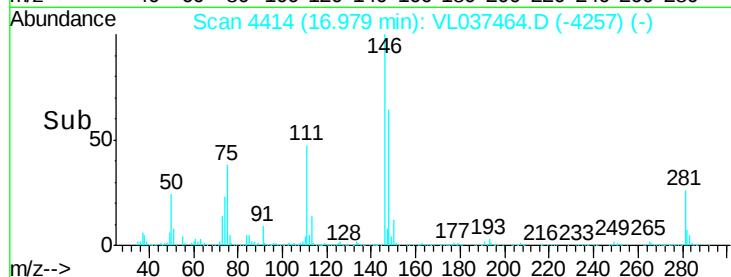
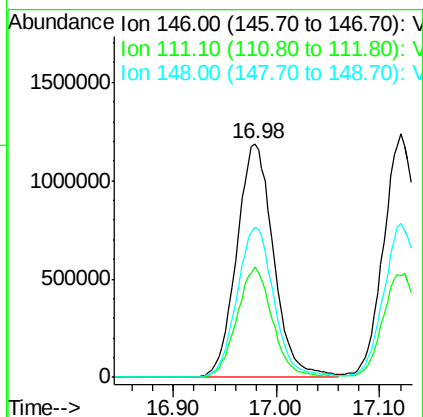
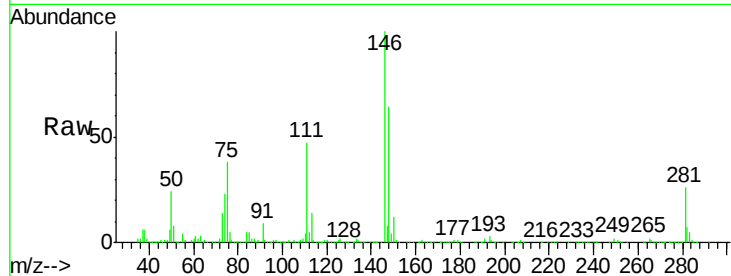
146 100

111 45.8 23.4 70.0

148 64.7 33.1 99.5

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 8.888 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. 0.01 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

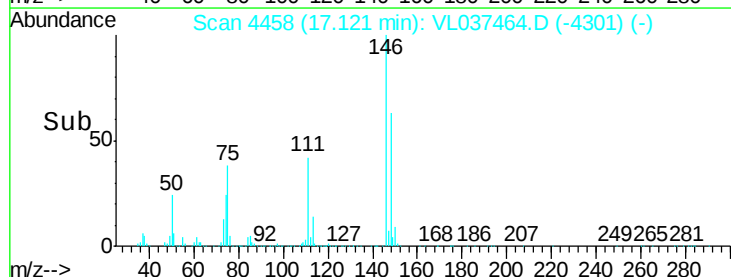
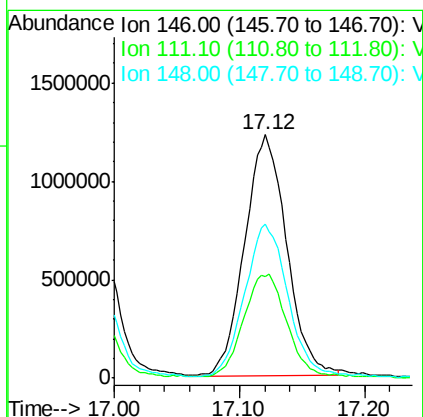
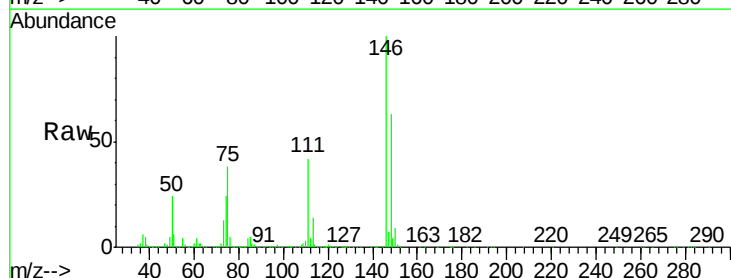
Tgt Ion:146 Resp: 2877492

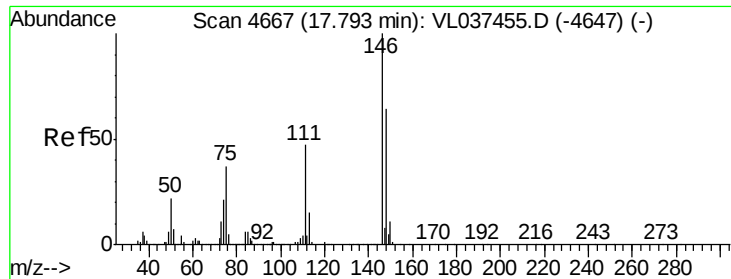
Ion Ratio Lower Upper

146 100

111 45.6 22.1 66.5

148 66.5 32.4 97.0





#77

1,2-Dichlorobenzene

Concen: 9.072 ppbv

RT: 17.80 min Scan# 4669

Delta R.T. 0.01 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABS01

Tot Ion:146 Resp: 2870953

Ion Ratio Lower Upper

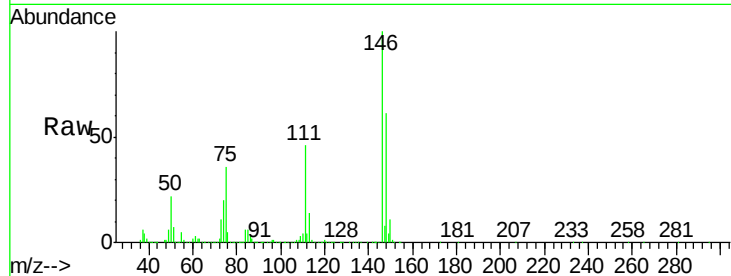
146 100

111 47.3 23.4 70.3

148 65.1 32.5 97.5

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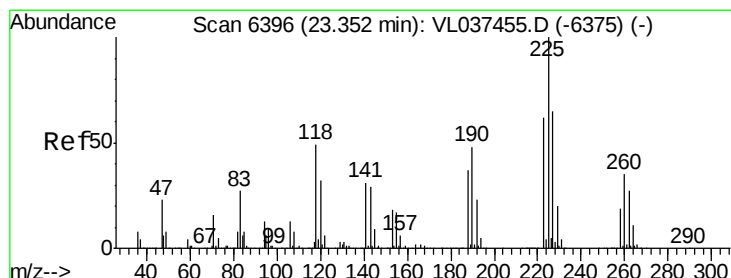
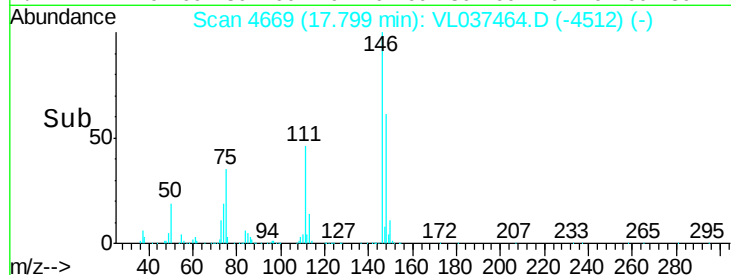
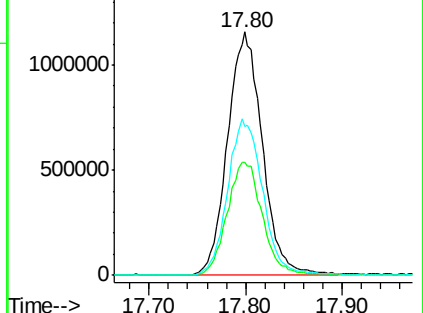


Abundance

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: 8.284 ppbv

RT: 23.36 min Scan# 6397

Delta R.T. 0.00 min

Lab File: VL037464.D

Acq: 16 Aug 2021 16:44

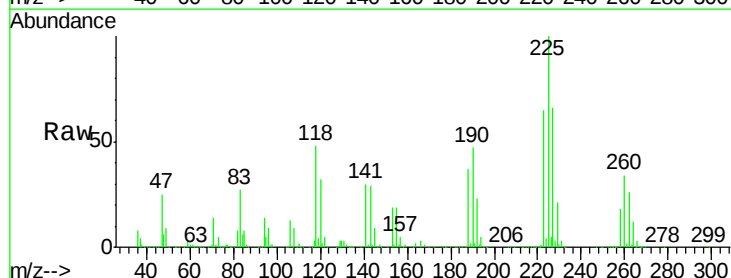
Tgt Ion:225 Resp: 2179730

Ion Ratio Lower Upper

225 100

223 64.3 51.4 77.0

227 65.5 52.9 79.3

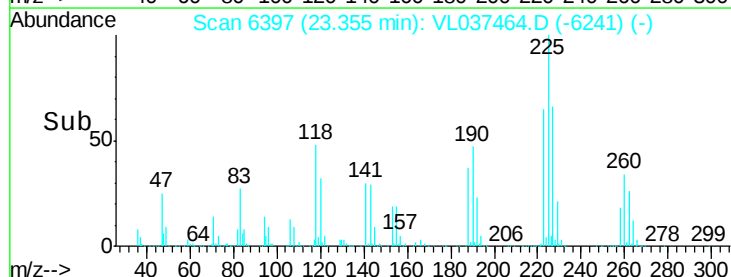
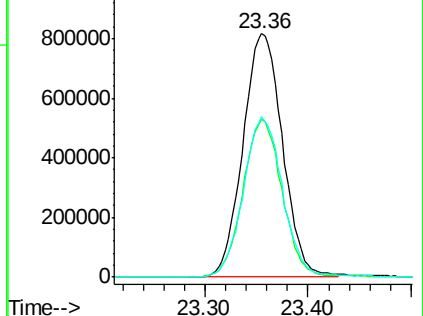


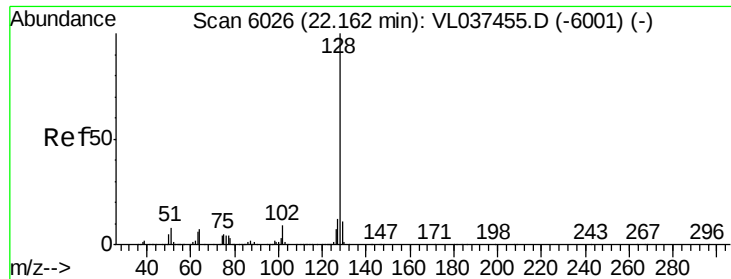
Abundance

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





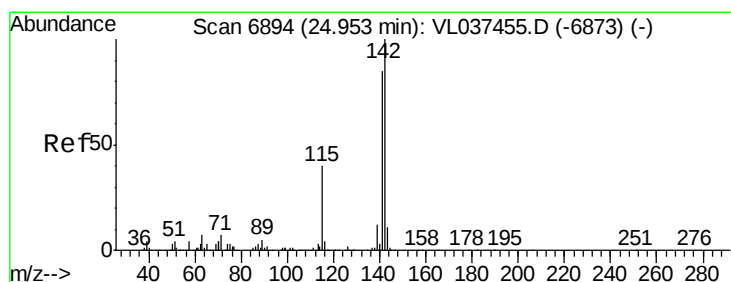
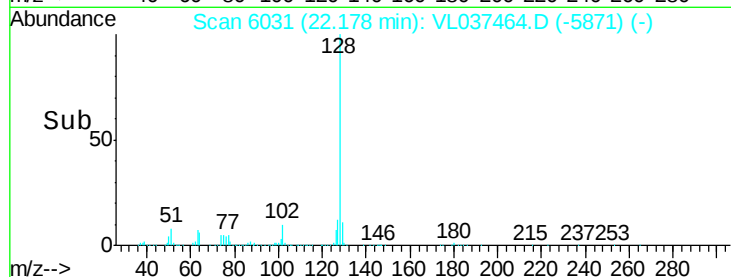
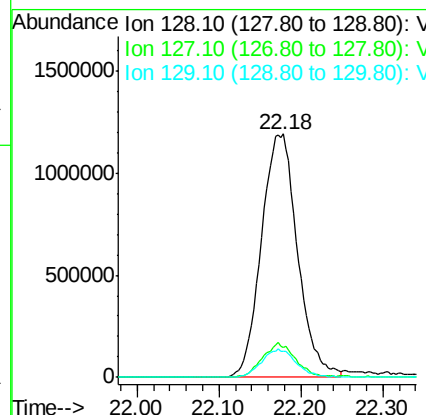
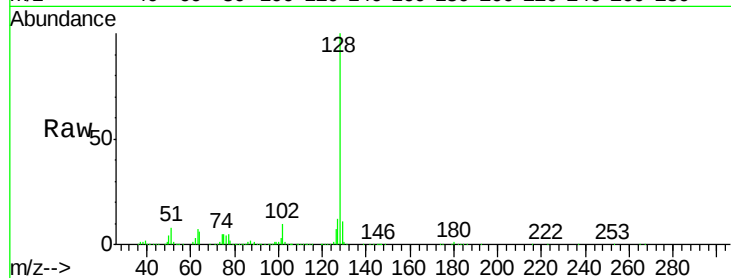
#79
Naphthalene
Concen: 10.212 ppbv m
RT: 22.18 min Scan# 6031
Delta R.T. 0.02 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Instrument :
MSVOA_L
ClientSampleId :
VL0816ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.4	14.2
129	10.5	8.8	13.2

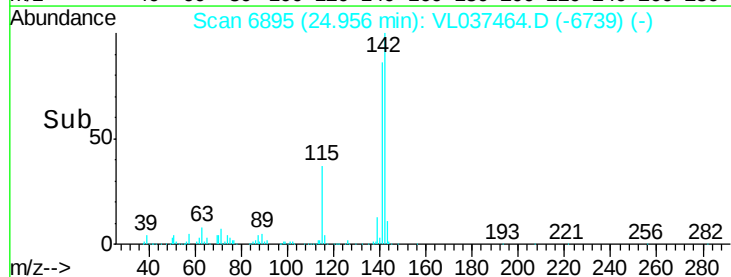
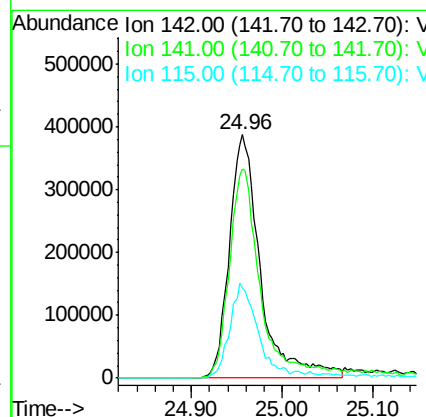
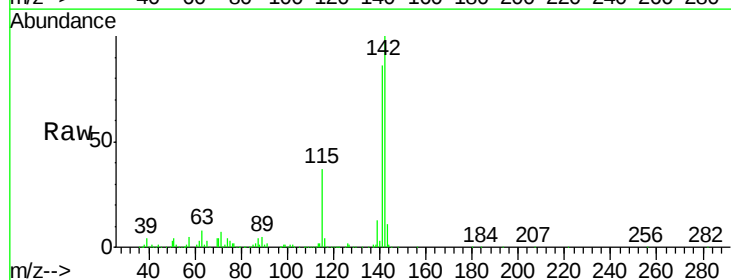
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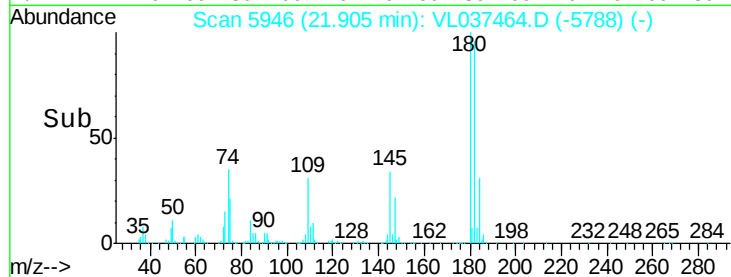
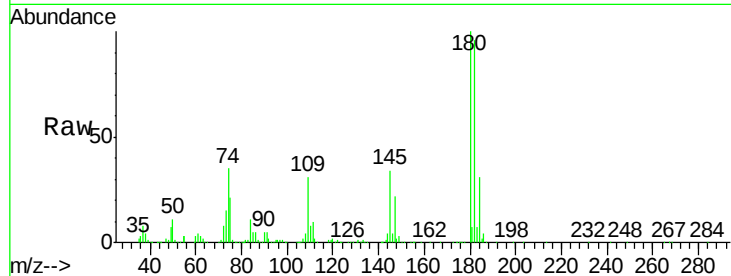
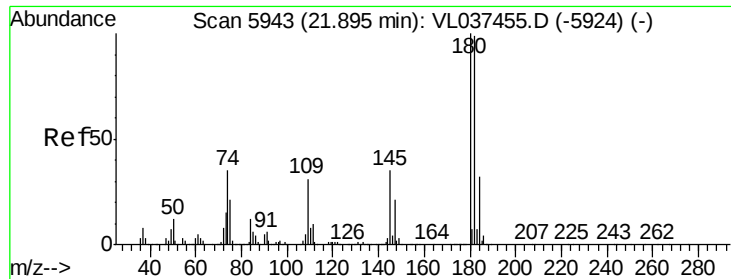
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#80
Naphthalene, 2-methyl-
Concen: 9.256 ppbv
RT: 24.96 min Scan# 6895
Delta R.T. 0.00 min
Lab File: VL037464.D
Acq: 16 Aug 2021 16:44

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.1	64.7	97.1
115	37.7	28.4	42.6





#81
 1,2,4-Trichlorobenzene
 Concen: 9.829 ppbv
 RT: 21.90 min Scan# 5946
 Delta R.T. 0.01 min
 Lab File: VL037464.D
 Acq: 16 Aug 2021 16:44

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	79.6	119.4
184	31.3	25.4	38.2

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABS01

Manual Integrations
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