

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092321\
 Data File : VL037656.D
 Acq On : 23 Sep 2021 11:02
 Operator : SY/AP
 Sample : VL0923ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 10:56:24 AM

Quant Time: Sep 24 06:46:38 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 1
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1596557	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4751537	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	4340453m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3244123	10.34	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.05	85	1702526	5.893	ppbv	99
3) Chlorodifluoromethane	2.99	51	2658873	8.829	ppbv	99
4) Chloromethane	3.14	50	973969	8.754	ppbv	98
5) Vinyl Chloride	3.26	62	1012098	9.685	ppbv	97
6) Bromomethane	3.47	94	503651	8.292	ppbv	93
7) Chloroethane	3.56	64	343200	8.787	ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	2095107	8.406	ppbv	100
9) Propene	3.01	41	928071	8.737	ppbv	99
10) Heptane	8.13	43	2408195	9.715	ppbv	100
11) Trichlorofluoromethane	3.95	101	2070462	8.927	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1599312	9.341	ppbv	99
13) Ethanol	3.62	45	81329	7.827	ppbv	99
14) Bromoethene	3.74	108	703098	9.022	ppbv	98
15) Acetone	3.85	43	1157448	6.978	ppbv	96
16) 1,3-Butadiene	3.33	39	960107	9.263	ppbv	99
17) tert-Butyl alcohol	4.29	59	1463156	10.402	ppbv	99
18) 1,1-Dichloroethene	4.29	96	725769	9.100	ppbv	92
19) Isopropyl Alcohol	3.97	45	868120	9.618	ppbv #	96
20) Methylene Chloride	4.35	84	645810	8.155	ppbv	96
21) Allyl Chloride	4.41	41	1182336	9.541	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	734546	9.154	ppbv	98
23) Vinyl Acetate	5.08	43	1841157	8.021	ppbv #	98
24) 1,1-Dichloroethane	5.01	63	1511359	9.191	ppbv	99
25) Ethyl Acetate	5.68	43	3706909	9.227	ppbv	99
26) Hexane	5.69	57	1777476	9.314	ppbv	99
27) Carbon Disulfide	4.55	76	1824910	10.453	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1585129	9.430	ppbv	99
29) Chloroform	5.75	83	2475323	8.882	ppbv	94
30) Cyclohexane	7.14	84	1498961	9.184	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1622375	9.364	ppbv	96
32) 1,1,1-Trichloroethane	6.51	97	2427086	9.355	ppbv	100
34) 2-Butanone	5.25	43	1360789	7.047	ppbv	99
35) Carbon Tetrachloride	7.02	117	2548429	9.481	ppbv	99
36) Benzene	6.89	78	3631540	9.166	ppbv	98
37) 1,2-Dichloroethane	6.31	62	1780490	9.137	ppbv	99
38) Trichloroethene	7.84	130	1457429	8.806	ppbv	96
39) 1,2-Dichloropropane	7.62	63	1392664	9.177	ppbv	94
40) 1,4-Dioxane	7.84	88	272045m	7.370	ppbv	
41) Tetrahydrofuran	6.05	42	868859	9.572	ppbv	100
42) Bromodichloromethane	7.80	83	2674306	9.575	ppbv	97
43) Methyl Methacrylate	8.02	69	1314969	9.976	ppbv	98

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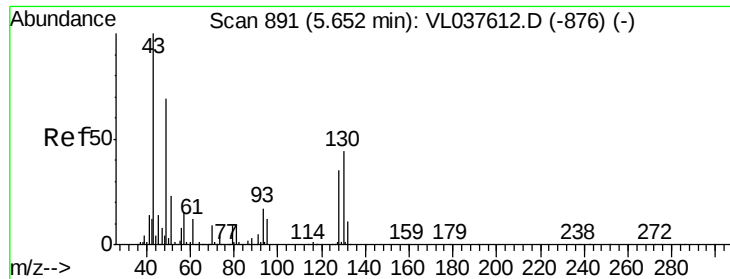
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 1
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	6097518	9.154	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	994592	9.606	ppbv	93
46) cis-1,3-Dichloropropene	8.71	75	1304046	9.324	ppbv	96
47) 1,1,2-Trichloroethane	9.48	97	1476280	8.794	ppbv	99
48) Dibromochloromethane	10.31	129	2367194	10.108	ppbv	98
49) Bromoform	13.05	173	1885889	10.061	ppbv	96
50) 4-Methyl-2-Pentanone	8.74	43	2378728	9.706	ppbv	99
51) 2-Hexanone	10.14	43	1086411	10.047	ppbv	97
52) Tetrachloroethene	11.23	164	1335188	8.778	ppbv	99
53) Toluene	9.81	91	4291120	9.744	ppbv	98
54) 1,2-Dibromoethane	10.61	107	2113783	9.196	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.13	131	1623715	9.019	ppbv	99
57) Chlorobenzene	12.15	112	3098214	8.586	ppbv	98
58) Ethyl Benzene	12.71	91	5430365	9.425	ppbv	100
59) m/p-Xylene	13.00	91	9052306m	18.029	ppbv	
60) o-Xylene	13.70	91	4312804	9.025	ppbv	100
61) Styrene	13.53	104	2408653	10.221	ppbv	99
62) Isopropylbenzene	14.67	105	5772731	8.647	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.68	83	2959466	7.913	ppbv	99
64) n-propylbenzene	15.56	120	1532345	8.894	ppbv	81
65) tert-Butylbenzene	16.74	119	5145978	8.549	ppbv	100
66) Benzyl Chloride	16.99	91	245783	7.472	ppbv	96
67) sec-Butylbenzene	17.30	105	7106678	8.702	ppbv	98
69) p-Isopropyltoluene	17.65	119	5902343	8.846	ppbv	99
70) n-Butylbenzene	18.55	91	5696344	9.023	ppbv	100
71) 2-Chlorotoluene	15.46	91	4315119	9.019	ppbv	99
72) 4-Ethyltoluene	15.84	105	5030421	9.170	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4476022	8.753	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	4687065	8.702	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	2828760	8.453	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	2576937	7.808	ppbv	96
77) 1,2-Dichlorobenzene	17.82	146	2659750	8.380	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1994622	7.467	ppbv	100
79) Naphthalene	22.20	128	3446806	10.423	ppbv	100
80) Naphthalene,2-methyl-	24.97	142	670994	8.877	ppbv	97
81) 1,2,4-Trichlorobenzene	21.93	180	2060504	9.705	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.02 min

Lab File: VL037656.D

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Instrument :

MSVOA_L

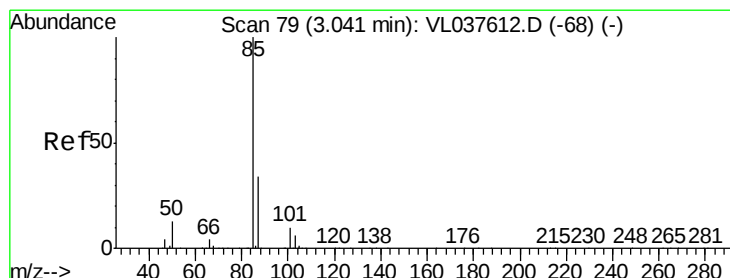
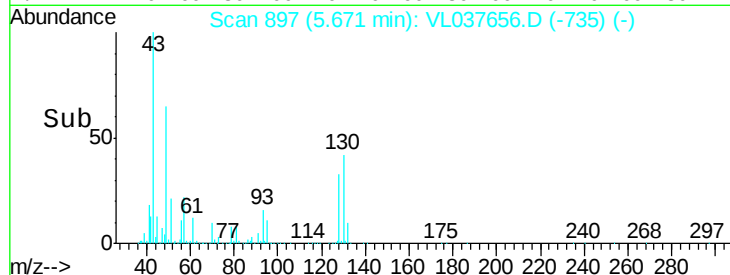
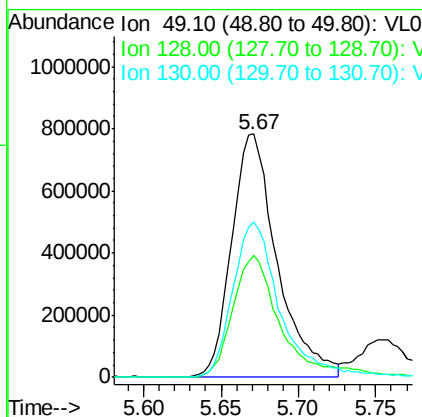
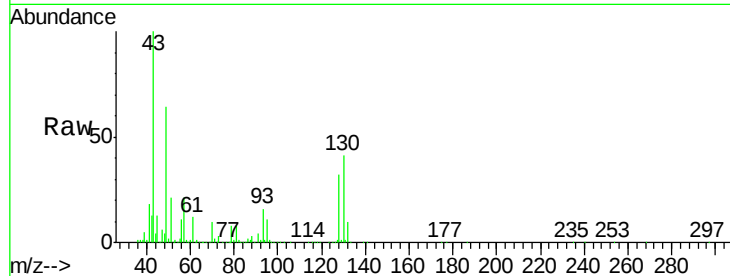
ClientSampleId :

VL0923ABS01

Tgt Ion:	49	Resp:	1596557
Ion	Ratio	Lower	Upper
49	100		
128	54.6	27.9	83.6
130	68.0	33.9	101.7

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#2

Dichlorodifluoromethane

Concen: 5.893 ppbv

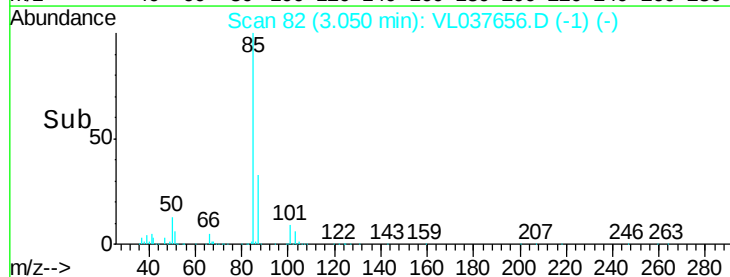
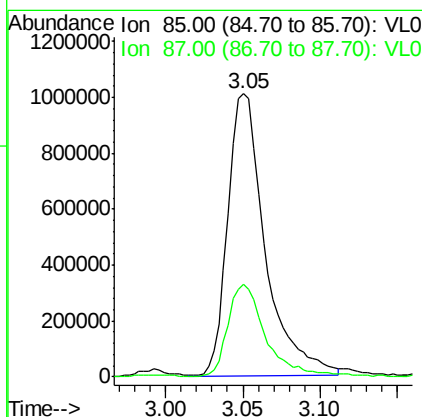
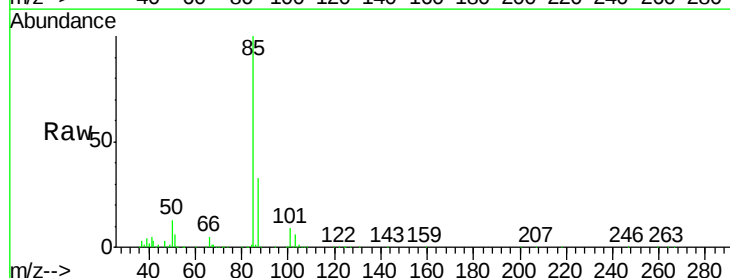
RT: 3.05 min Scan# 82

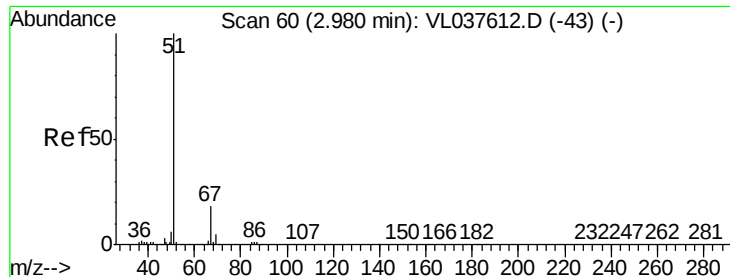
Delta R.T. 0.01 min

Lab File: VL037656.D

Acq: 23 Sep 2021 11:02

Tgt Ion:	85	Resp:	1702526
Ion	Ratio	Lower	Upper
85	100		
87	32.7	26.8	40.2





#3

Chlorodifluoromethane

Concen: 8.829 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL037656.D

Acq: 23 Sep 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tgt Ion: 51 Resp: 2658873

Ion Ratio Lower Upper

51 100

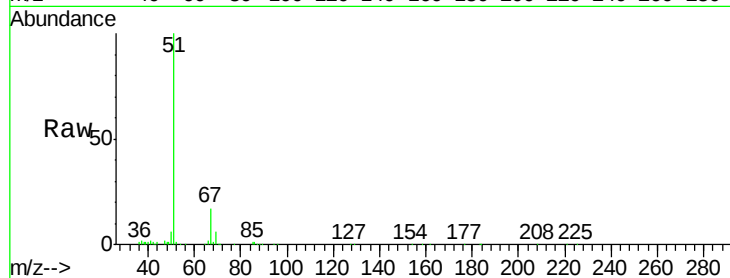
67 17.2 14.0 21.0

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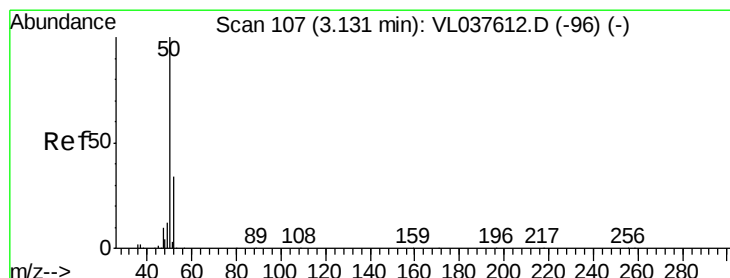
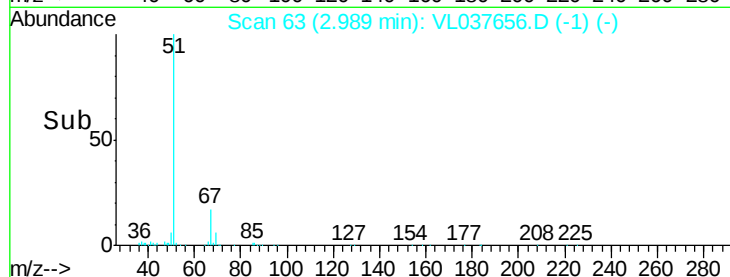
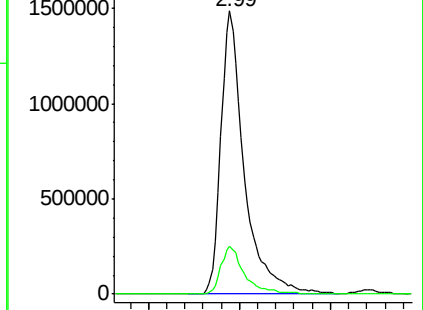
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.754 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.01 min

Lab File: VL037656.D

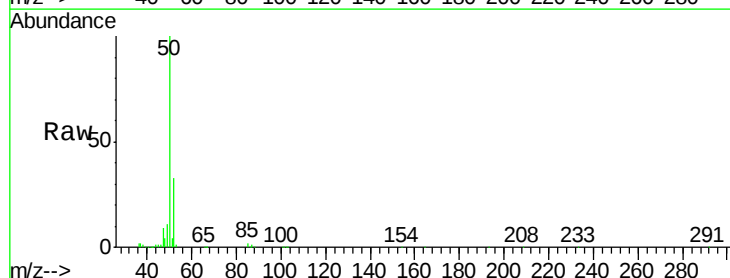
Acq: 23 Sep 2021 11:02

Tgt Ion: 50 Resp: 973969

Ion Ratio Lower Upper

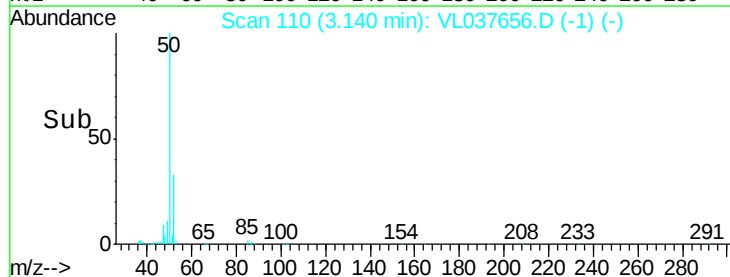
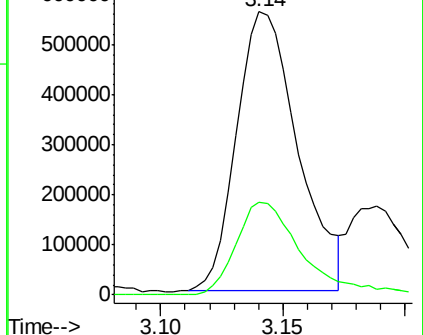
50 100

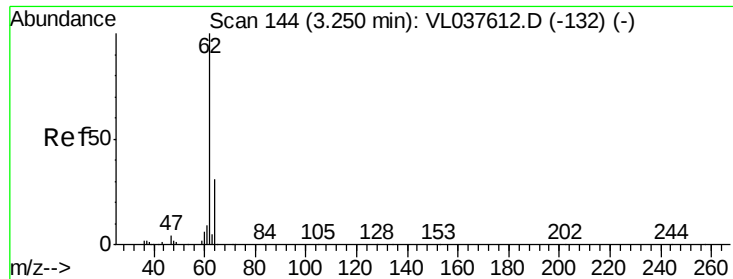
52 32.7 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.685 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL037656.D

Acq: 23 Sep 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tgt Ion: 62 Resp: 1012098

Ion Ratio Lower Upper

62 100

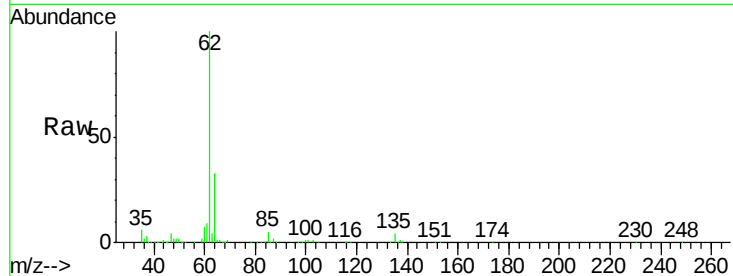
64 32.9 24.9 37.3

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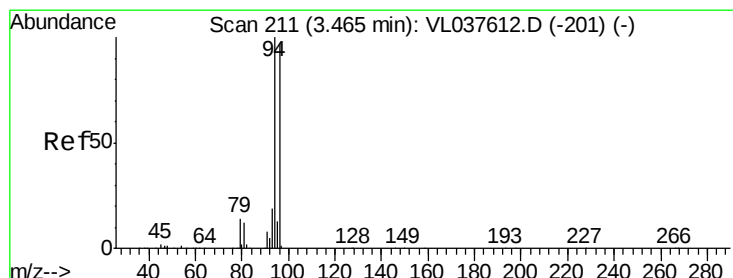
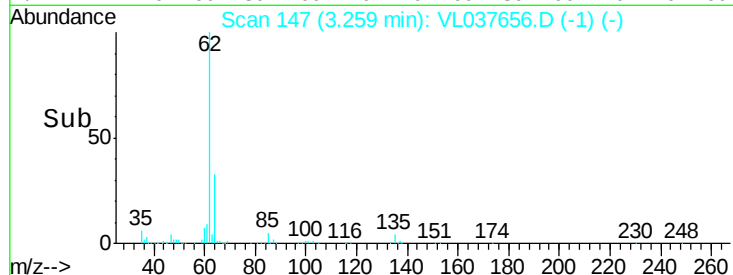
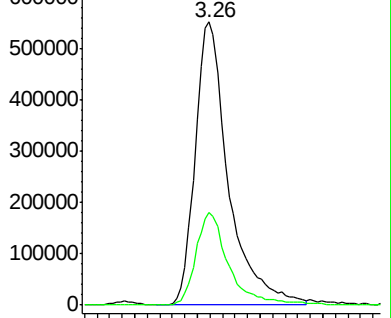
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.292 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.01 min

Lab File: VL037656.D

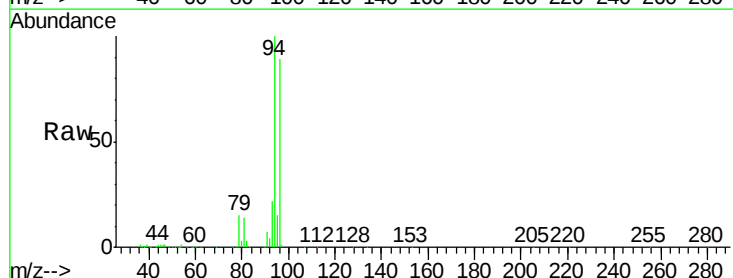
Acq: 23 Sep 2021 11:02

Tgt Ion: 94 Resp: 503651

Ion Ratio Lower Upper

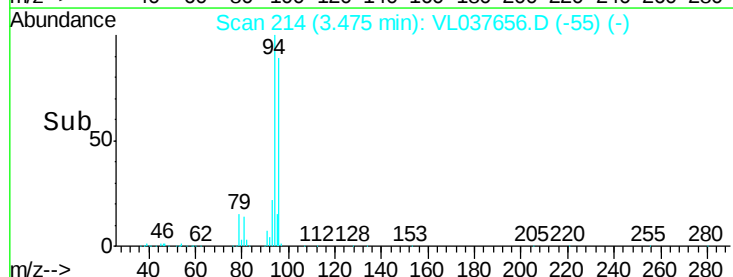
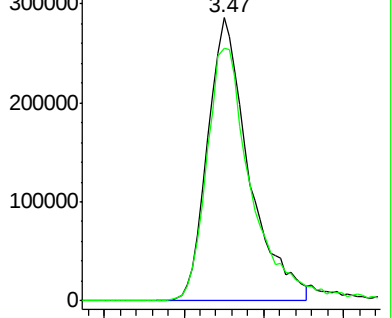
94 100

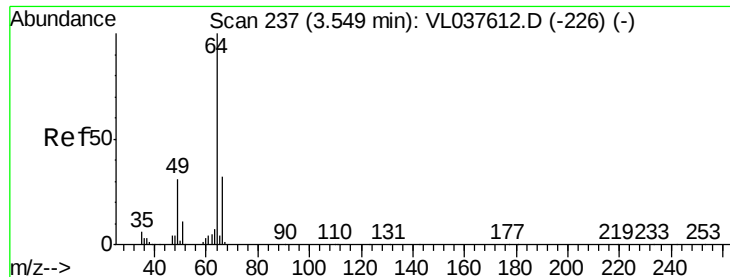
96 89.3 77.3 115.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.787 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.01 min

Lab File: VL037656.D

Acq: 23 Sep 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tgt Ion: 64 Resp: 343200

Ion Ratio Lower Upper

64 100

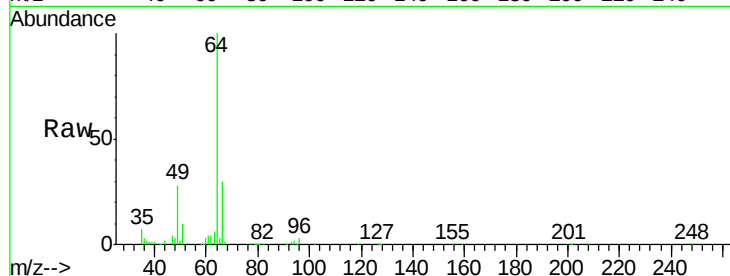
66 30.2 25.3 37.9

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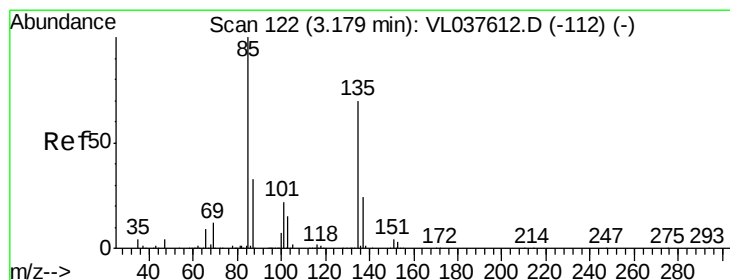
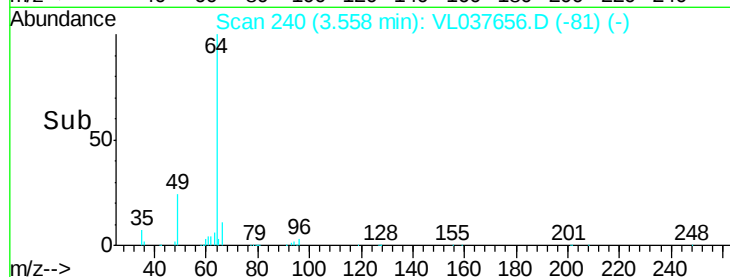
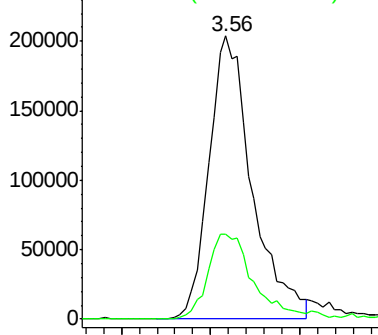
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.406 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.01 min

Lab File: VL037656.D

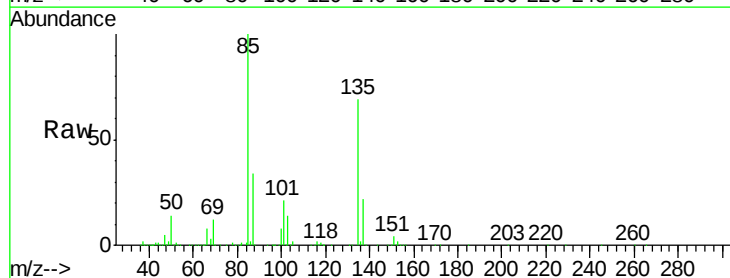
Acq: 23 Sep 2021 11:02

Tgt Ion: 85 Resp: 2095107

Ion Ratio Lower Upper

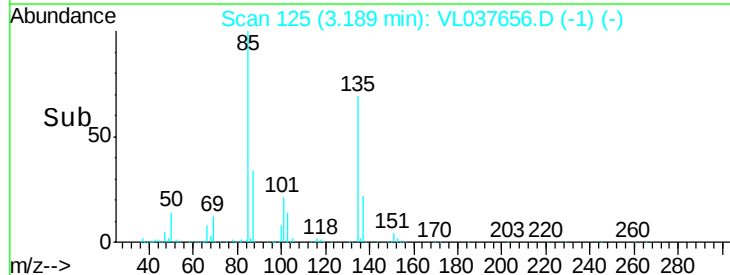
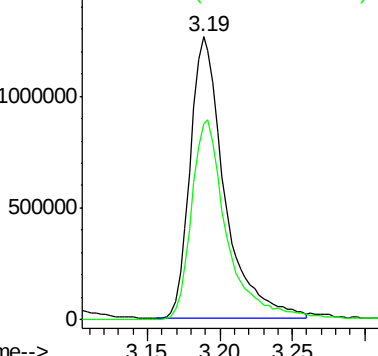
85 100

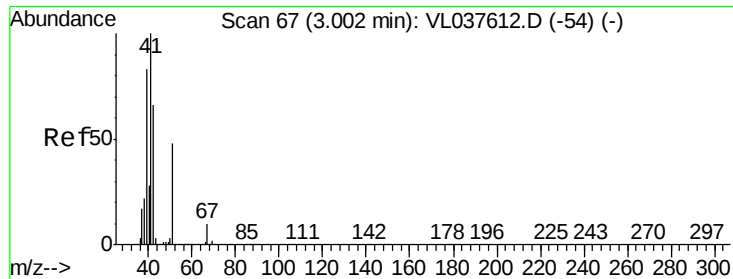
135 73.9 59.3 88.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





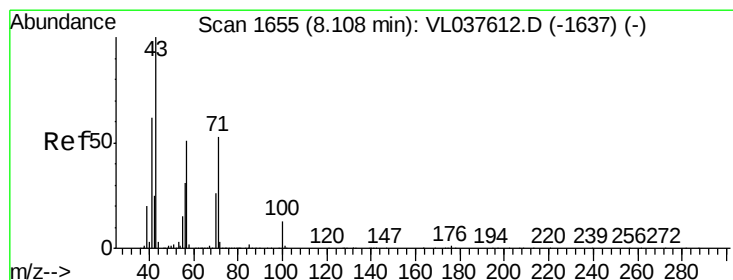
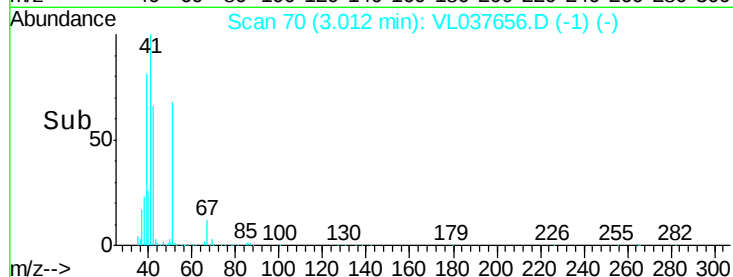
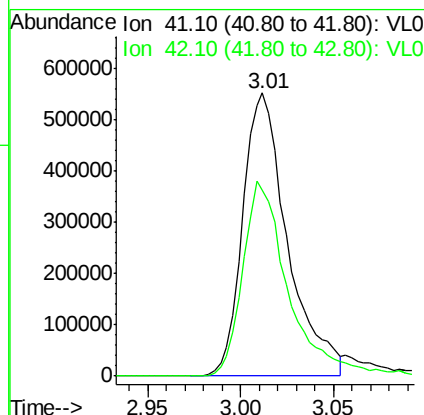
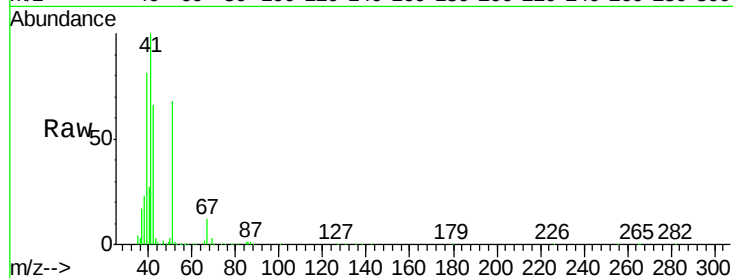
#9
 Propene
 Concen: 8.737 ppbv
 RT: 3.01 min Scan# 70
 Delta R.T. 0.01 min
 Lab File: VL037656.D
 Acq: 23 Sep 2021 11:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tgt Ion: 41 Resp: 928071
 Ion Ratio Lower Upper
 41 100
 42 70.8 57.2 85.8

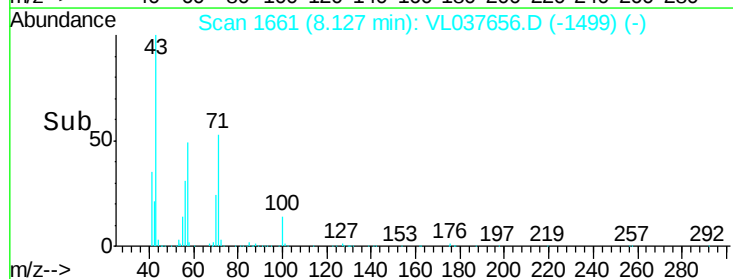
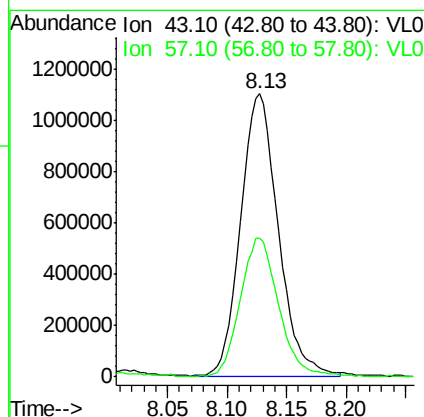
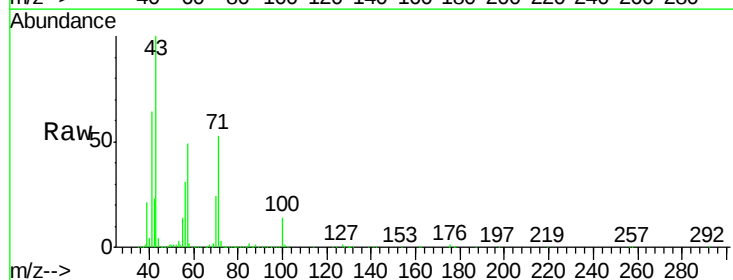
Manual Integrations
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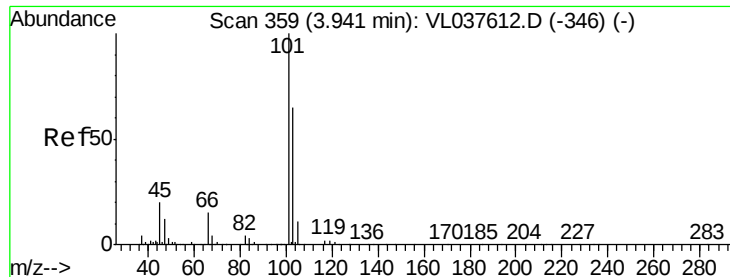
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#10
 Heptane
 Concen: 9.715 ppbv
 RT: 8.13 min Scan# 1661
 Delta R.T. 0.02 min
 Lab File: VL037656.D
 Acq: 23 Sep 2021 11:02

Tgt Ion: 43 Resp: 2408195
 Ion Ratio Lower Upper
 43 100
 57 49.8 40.1 60.1





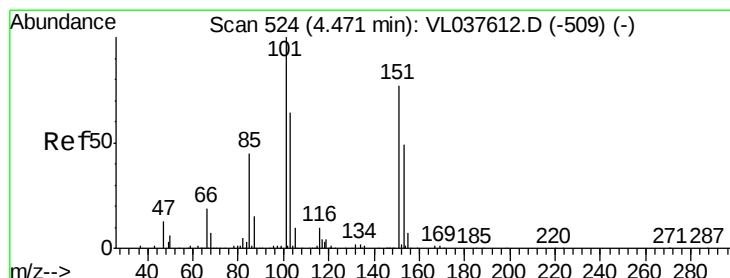
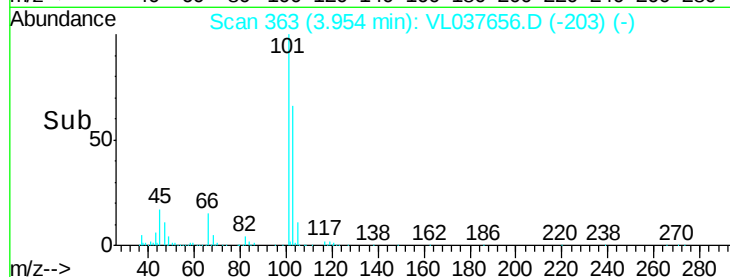
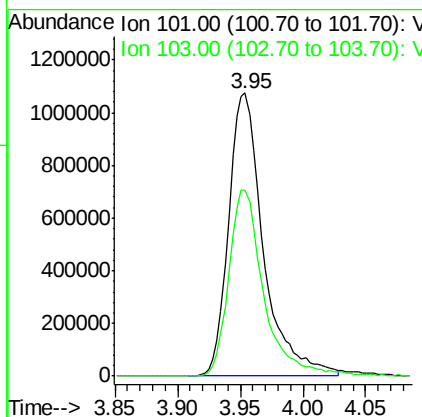
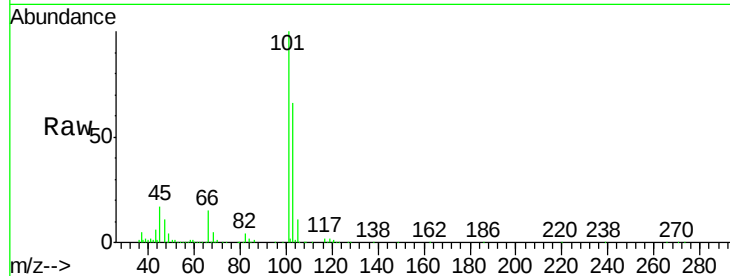
#11
 Trichlorofluoromethane
 Concen: 8.927 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. 0.01 min
 Lab File: VL037656.D
 Acq: 23 Sep 2021 11:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tgt Ion:101 Resp: 2070462
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.9 77.9

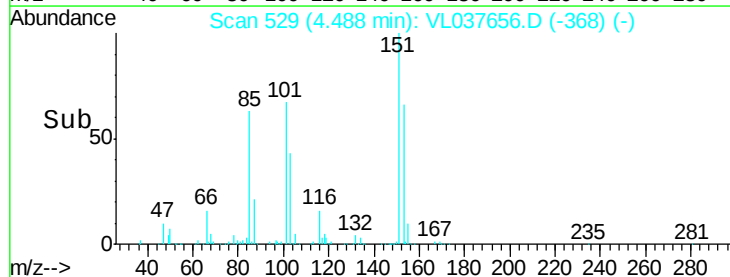
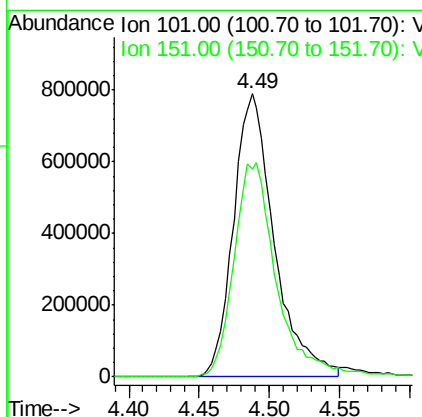
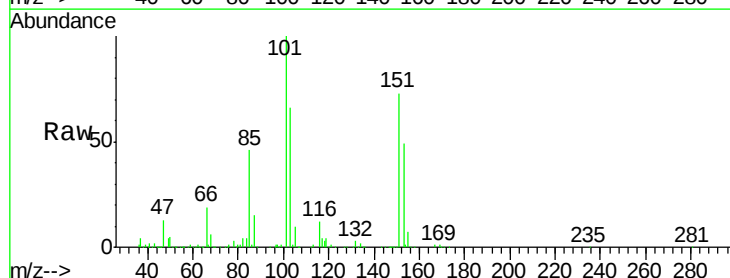
Manual Integrations
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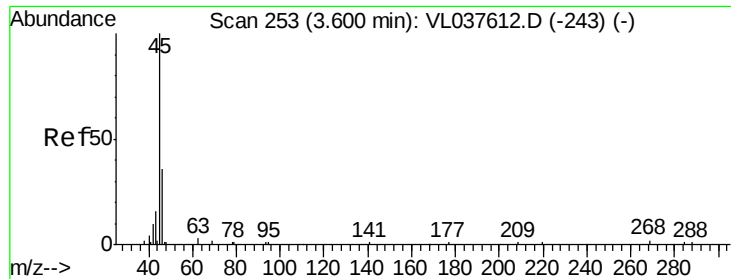
MMDadoda
 9/27/2021 10:56:24 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.341 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.02 min
 Lab File: VL037656.D
 Acq: 23 Sep 2021 11:02

Tgt Ion:101 Resp: 1599312
 Ion Ratio Lower Upper
 101 100
 151 79.9 63.5 95.3





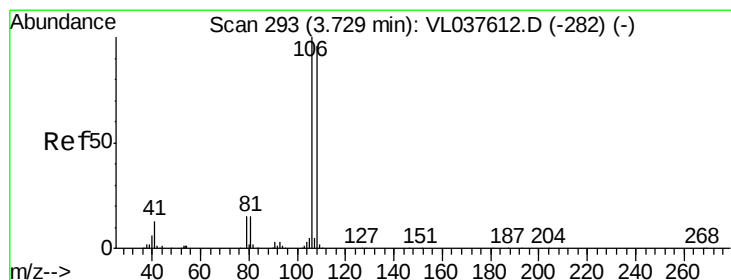
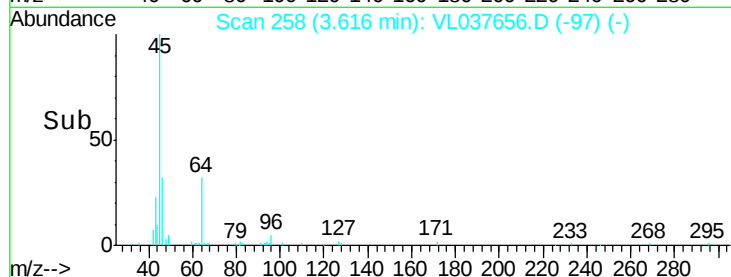
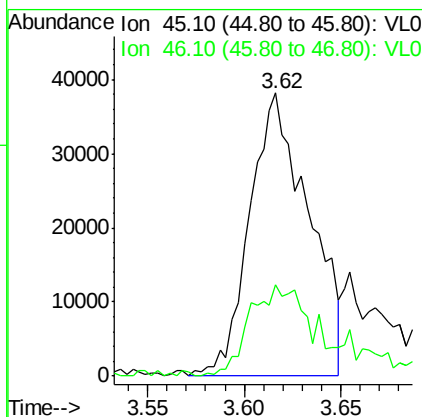
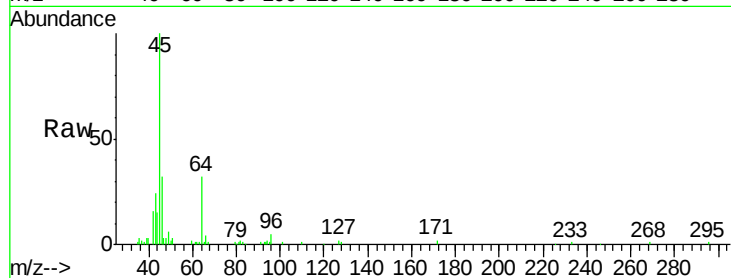
#13
Ethanol
Concen: 7.827 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.02 min
Lab File: VL037656.D
Acq: 23 Sep 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tgt Ion: 45 Resp: 81329
Ion Ratio Lower Upper
45 100
46 43.5 17.2 68.8

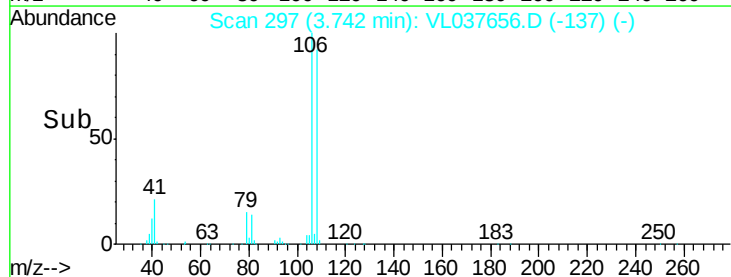
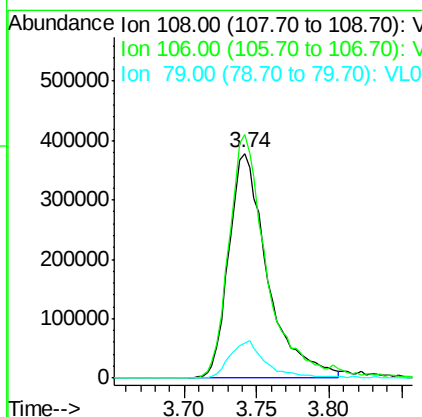
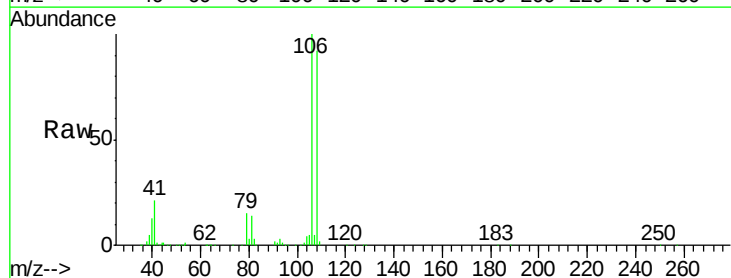
Manual Integrations
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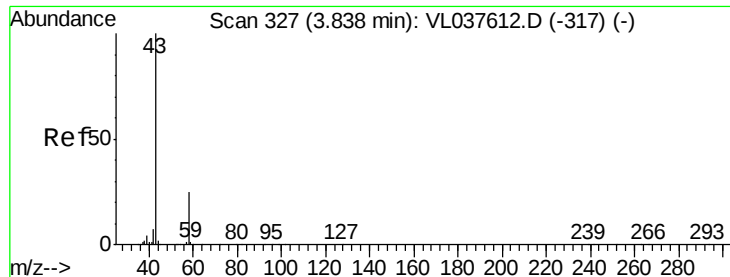
MMDadoda
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#14
Bromoethene
Concen: 9.022 ppbv
RT: 3.74 min Scan# 297
Delta R.T. 0.01 min
Lab File: VL037656.D
Acq: 23 Sep 2021 11:02

Tgt Ion: 108 Resp: 703098
Ion Ratio Lower Upper
108 100
106 108.0 88.2 132.4
79 15.8 12.8 19.2





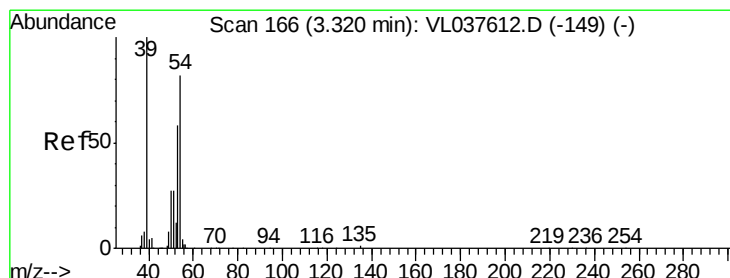
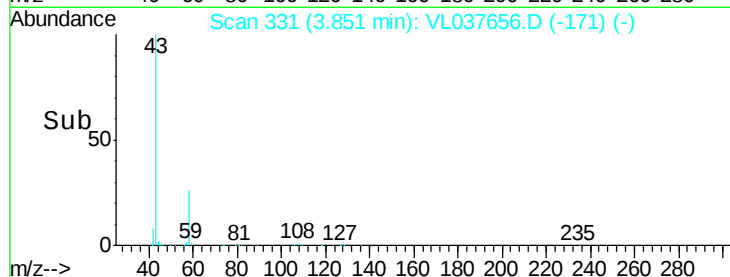
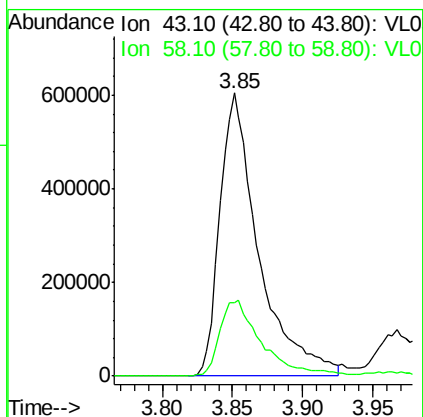
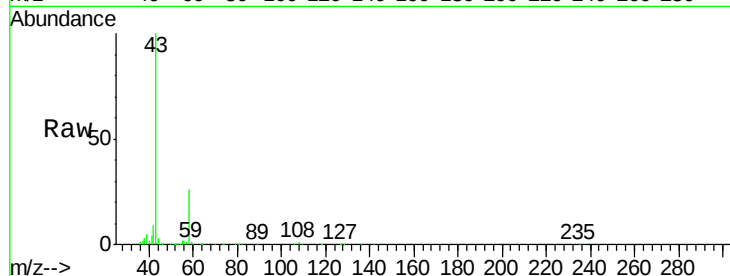
#15
Acetone
Concen: 6.978 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.01 min
Lab File: VL037656.D
Acq: 23 Sep 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tgt Ion: 43 Resp: 1157448
Ion Ratio Lower Upper
43 100
58 29.1 24.9 37.3

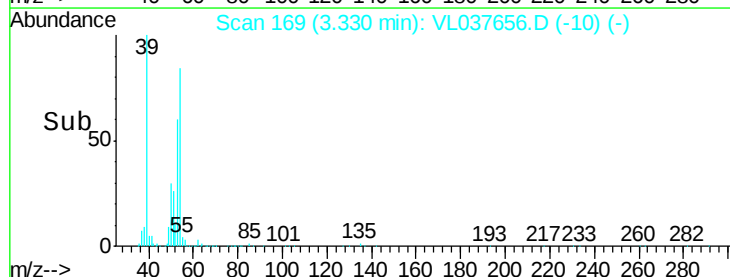
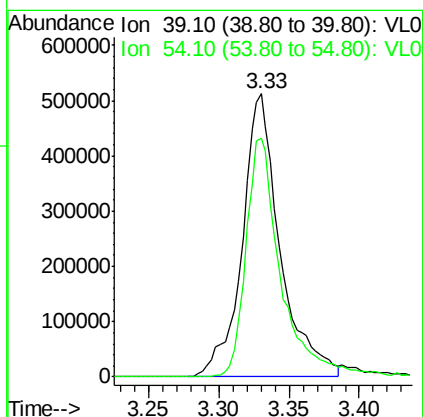
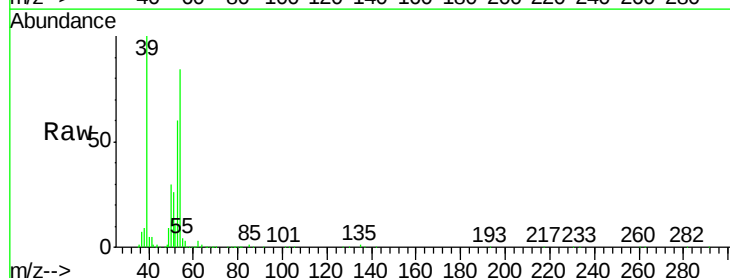
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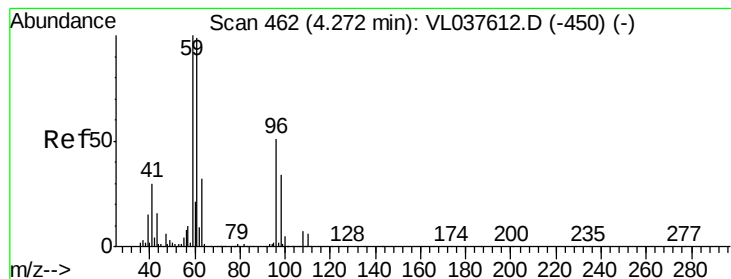
MMDadoda
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#16
1,3-Butadiene
Concen: 9.263 ppbv
RT: 3.33 min Scan# 169
Delta R.T. 0.01 min
Lab File: VL037656.D
Acq: 23 Sep 2021 11:02

Tgt Ion: 39 Resp: 960107
Ion Ratio Lower Upper
39 100
54 79.1 62.6 93.8





#17

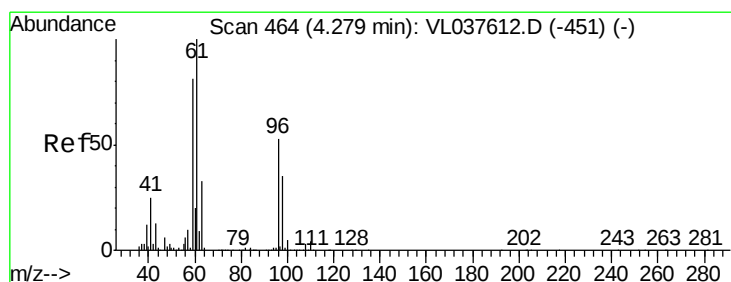
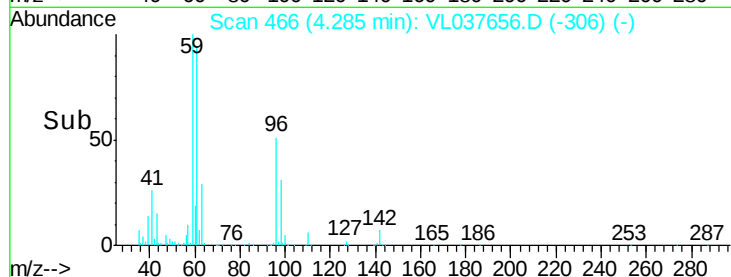
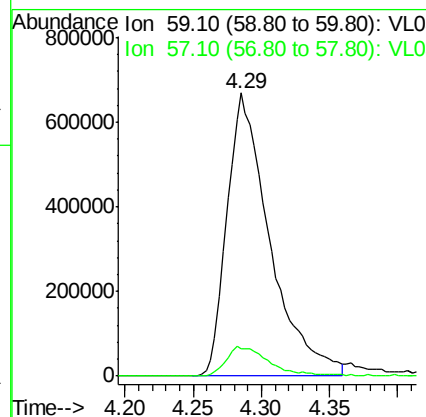
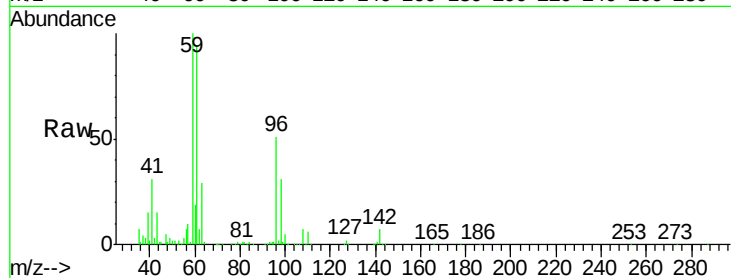
tert-Butyl alcohol
Concen: 10.402 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.01 min
Lab File: VL037656.D
Acq: 23 Sep 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tgt Ion: 59 Resp: 1463156
Ion Ratio Lower Upper
59 100
57 10.8 8.4 12.6

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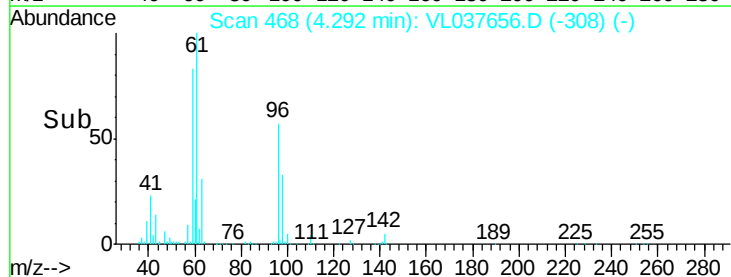
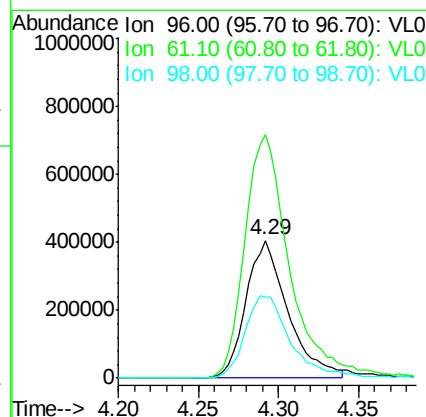
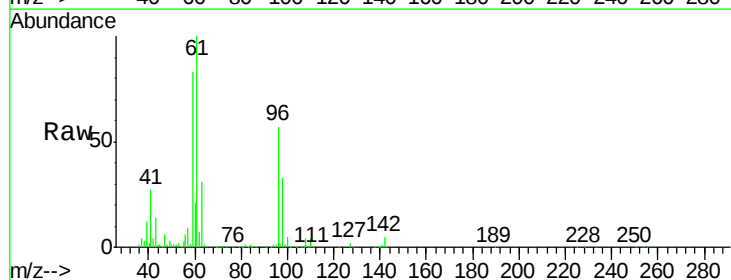
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9/27/2021 10:56:24 AM

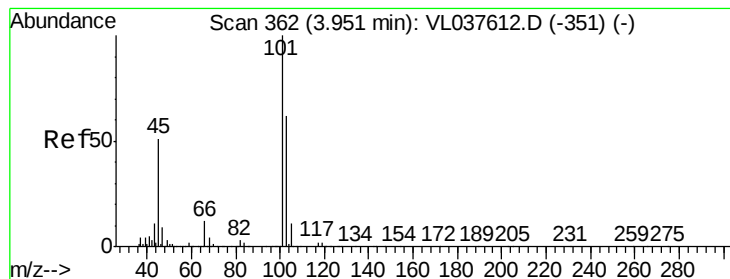


#18

1,1-Dichloroethene
Concen: 9.100 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.01 min
Lab File: VL037656.D
Acq: 23 Sep 2021 11:02

Tgt Ion: 96 Resp: 725769
Ion Ratio Lower Upper
96 100
61 176.4 150.4 225.6
98 58.7 52.1 78.1





#19

Isopropyl Alcohol

Concen: 9.618 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.02 min

Lab File: VL037656.D

Acq: 23 Sep 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tgt Ion: 45 Resp: 868120

Ion Ratio Lower Upper

45 100

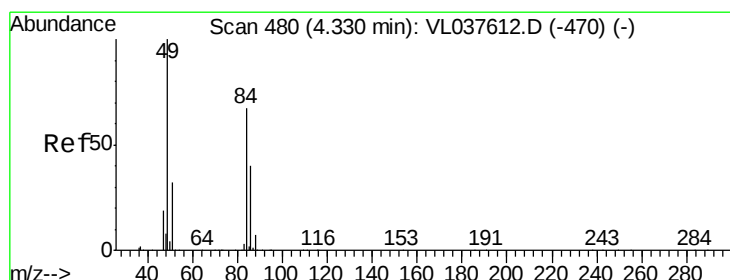
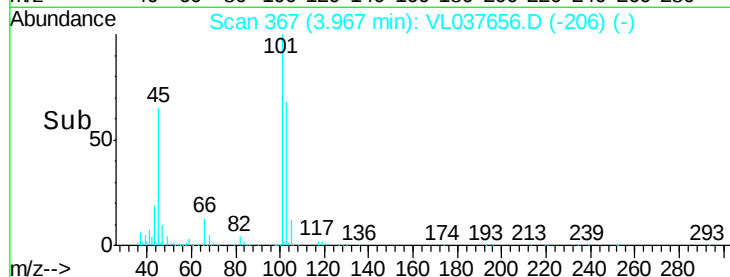
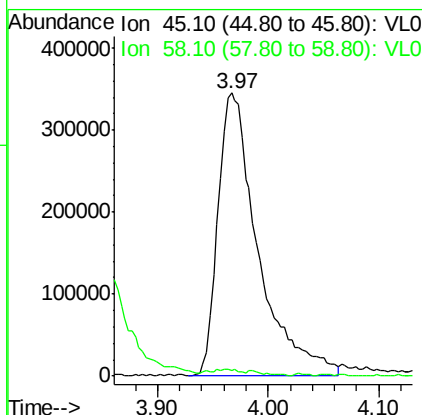
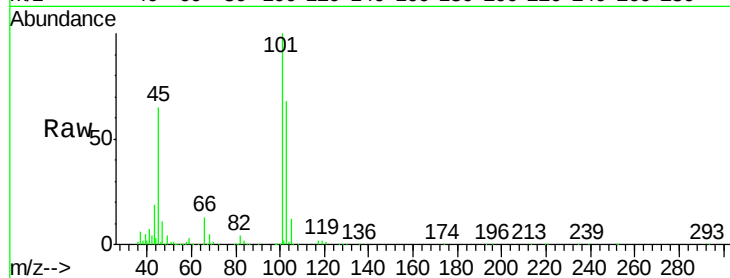
58 2.4 2.9 4.3#

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#20

Methylene Chloride

Concen: 8.155 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.02 min

Lab File: VL037656.D

Acq: 23 Sep 2021 11:02

Tgt Ion: 84 Resp: 645810

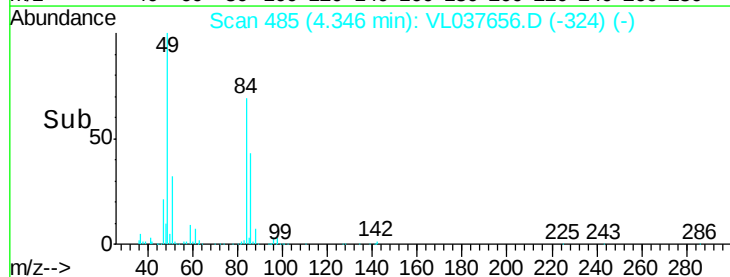
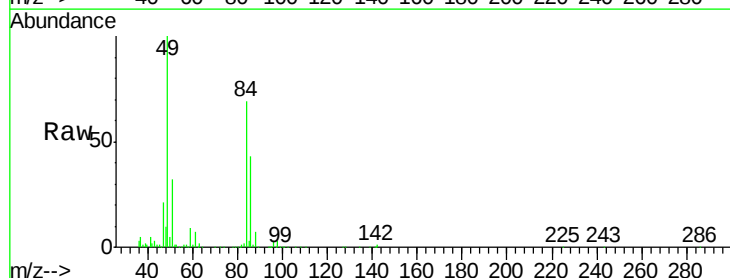
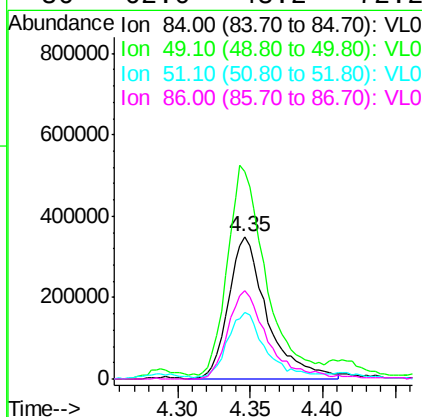
Ion Ratio Lower Upper

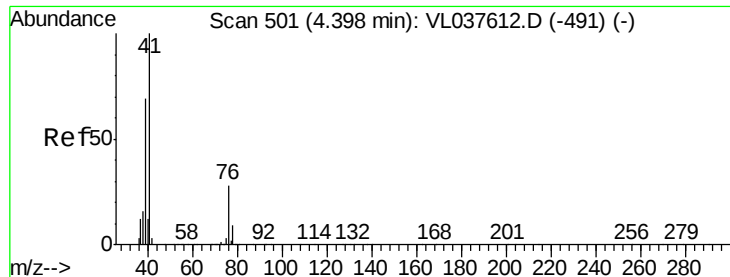
84 100

49 143.5 120.0 180.0

51 45.3 38.0 57.0

86 62.0 48.2 72.2





#21

Allyl Chloride

Concen: 9.541 ppbv

RT: 4.41 min Scan# 506

Delta R.T. 0.02 min

Lab File: VL037656.D

Acq: 23 Sep 2021 11:02

Instrument :

MSVOA_L

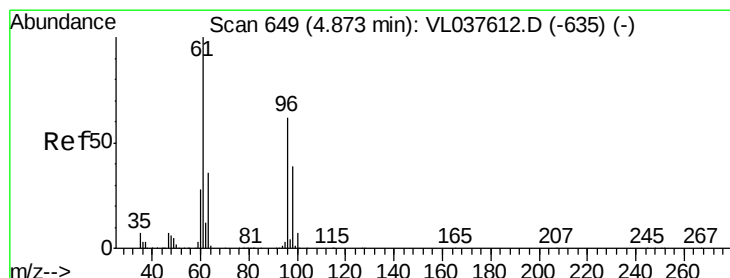
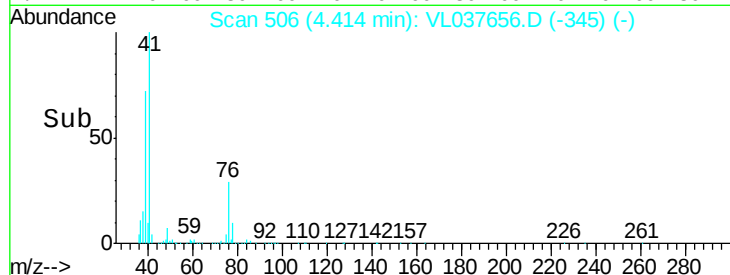
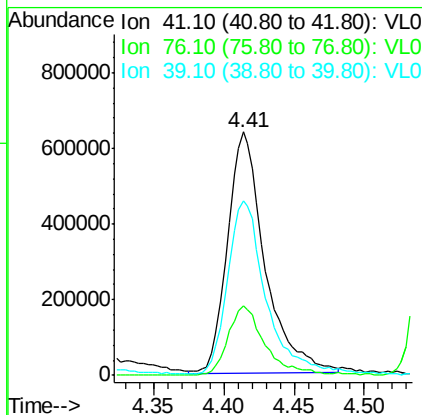
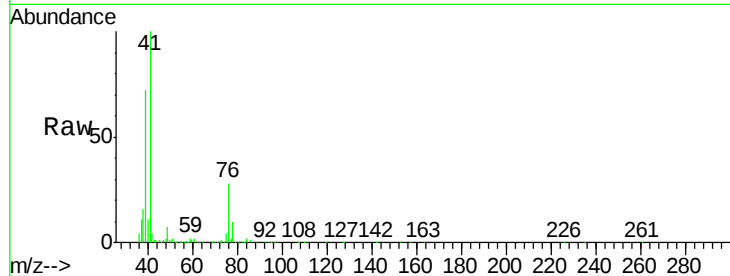
ClientSampleId :

VL0923ABS01

Tgt Ion:	41	Resp:	1182336
Ion	Ratio	Lower	Upper
41	100		
76	29.0	23.1	34.7
39	74.9	61.0	91.6

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#22

trans-1,2-Dichloroethene

Concen: 9.154 ppbv

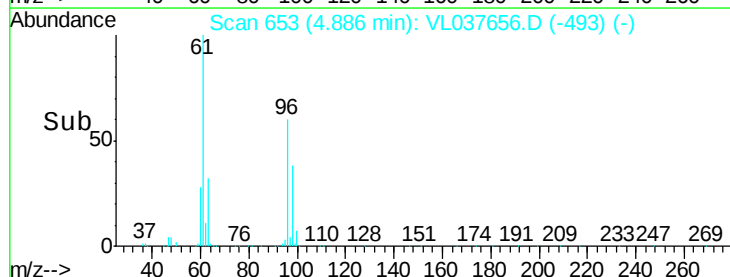
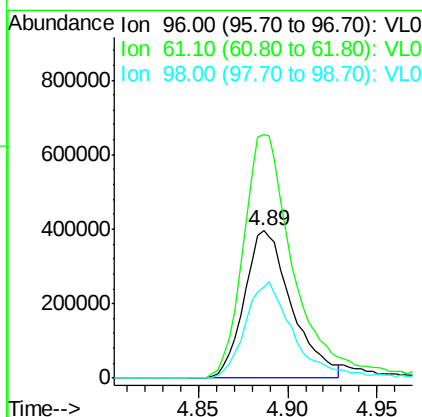
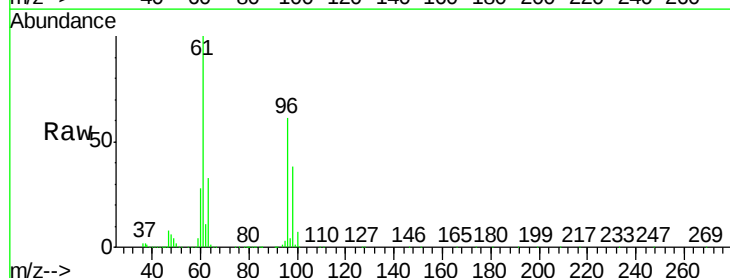
RT: 4.89 min Scan# 653

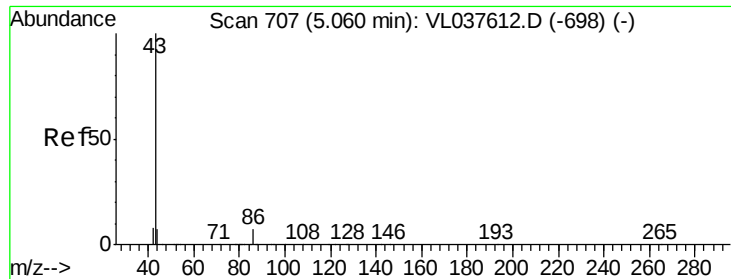
Delta R.T. 0.01 min

Lab File: VL037656.D

Acq: 23 Sep 2021 11:02

Tgt Ion:	96	Resp:	734546
Ion	Ratio	Lower	Upper
96	100		
61	165.1	129.2	193.8
98	62.1	50.4	75.6





#23

Vinyl Acetate

Concen: 8.021 ppbv

RT: 5.08 min Scan# 712

Delta R.T. 0.02 min

Lab File: VL037656.D

Acq: 23 Sep 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tgt Ion: 43 Resp: 1841157

Ion Ratio Lower Upper

43 100

86 6.8 5.0 7.6

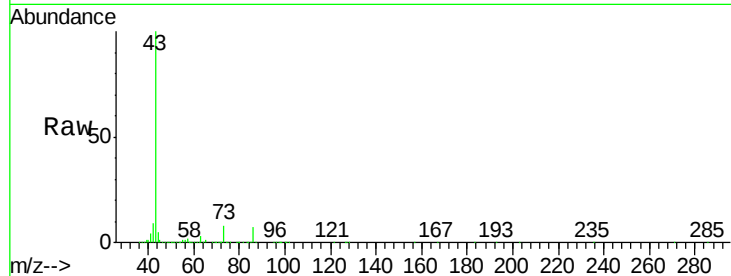
42 9.3 7.5 11.3

44 4.7 4.7 7.1#

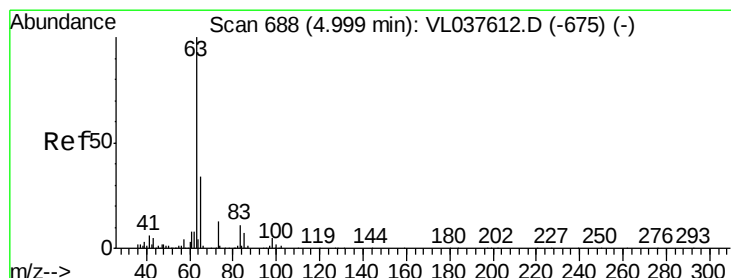
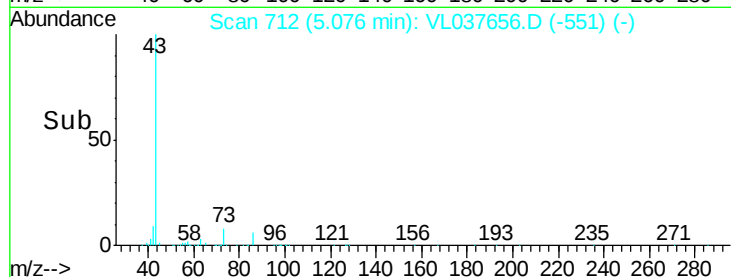
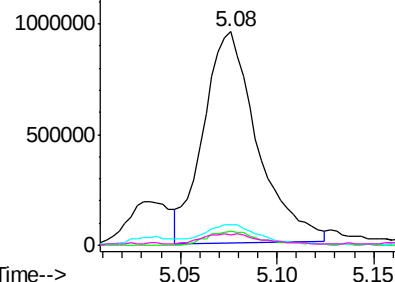
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Abundance Ion 43.10 (42.80 to 43.80): VL0
1500000 Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.191 ppbv

RT: 5.01 min Scan# 693

Delta R.T. 0.02 min

Lab File: VL037656.D

Acq: 23 Sep 2021 11:02

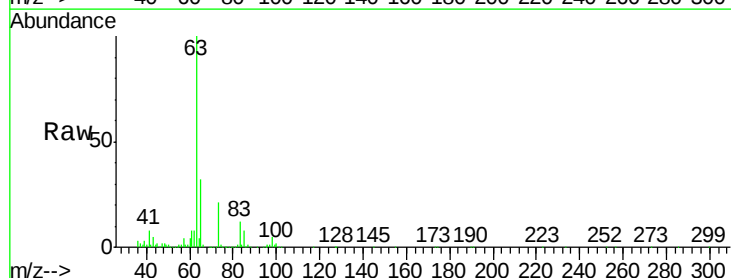
Tgt Ion: 63 Resp: 1511359

Ion Ratio Lower Upper

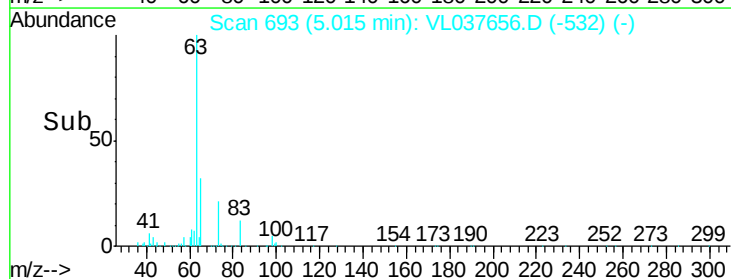
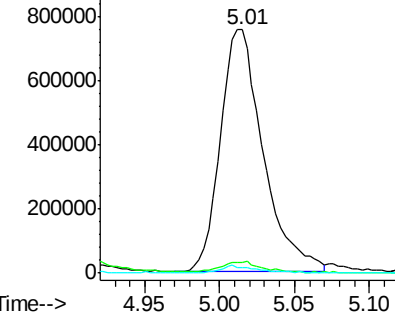
63 100

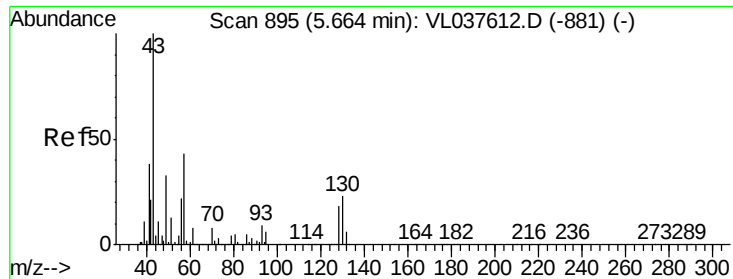
98 4.2 2.4 7.2

100 2.3 1.1 3.5



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





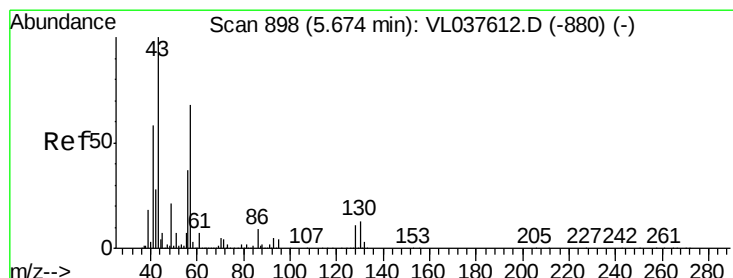
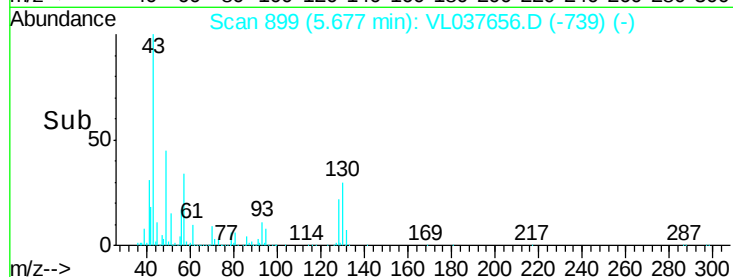
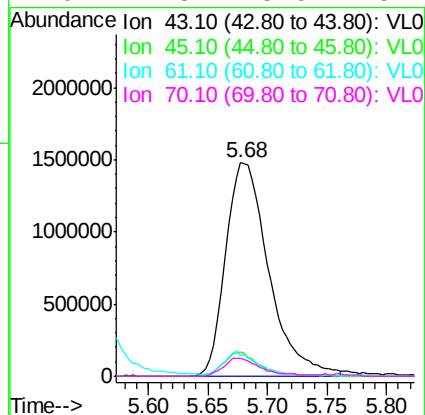
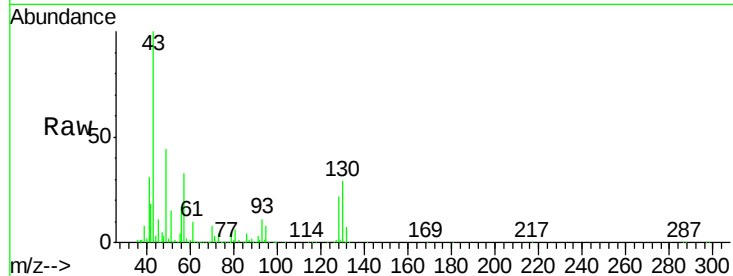
#25
Ethyl Acetate
Concen: 9.227 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL037656.D
Acq: 23 Sep 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tgt Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	10.0	7.5	11.3
70	7.3	5.6	8.4

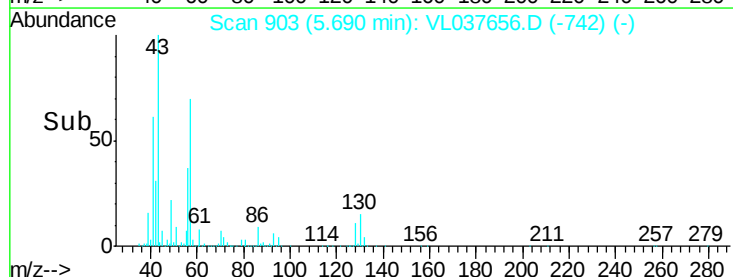
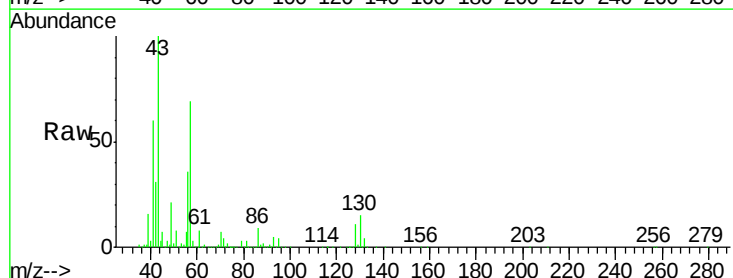
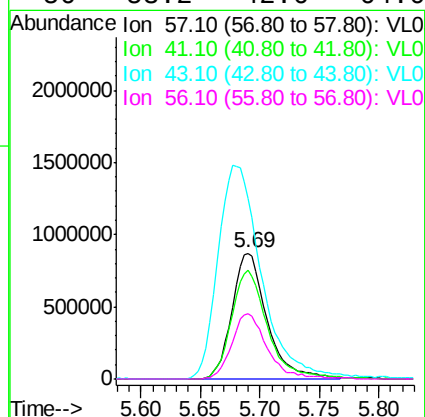
Manual Integrations
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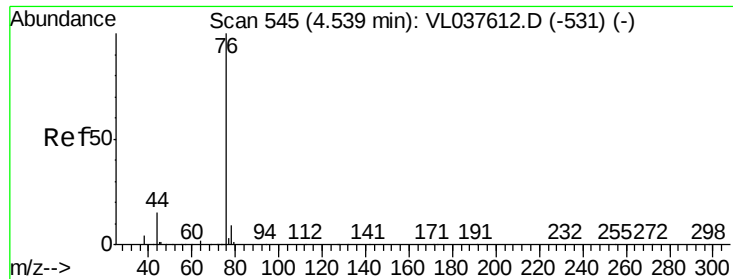
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#26
Hexane
Concen: 9.314 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL037656.D
Acq: 23 Sep 2021 11:02

Tgt Ion	Ratio	Lower	Upper
57	100		
41	89.9	70.9	106.3
43	212.6	170.4	255.6
56	53.2	42.6	64.0





#27

Carbon Disulfide

Concen: 10.453 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.01 min

Lab File: VL037656.D

Acq: 23 Sep 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tgt Ion: 76 Resp: 1824910

Ion Ratio Lower Upper

76 100

44 18.3 14.2 21.2

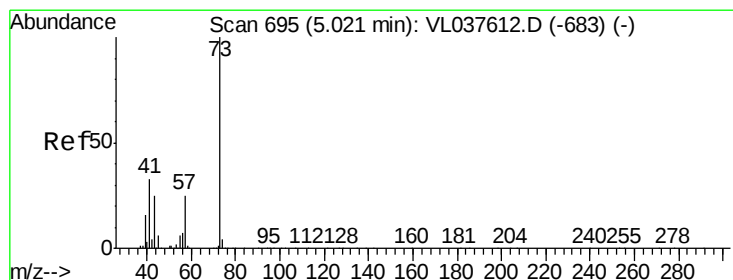
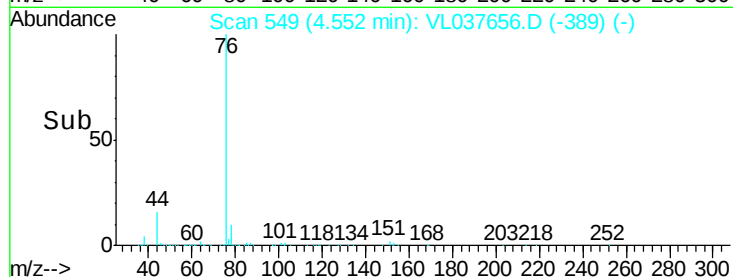
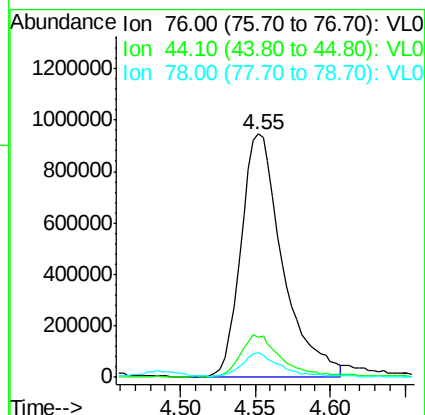
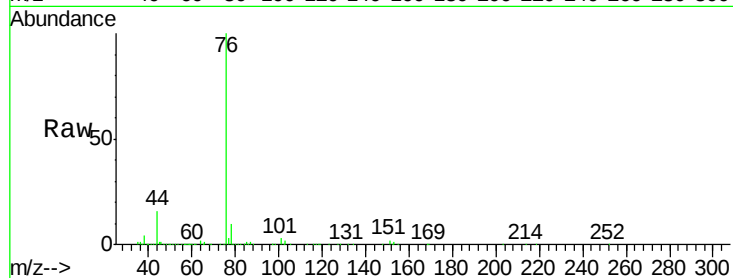
78 10.0 7.4 11.0

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#28

Methyl tert-Butyl Ether

Concen: 9.430 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.02 min

Lab File: VL037656.D

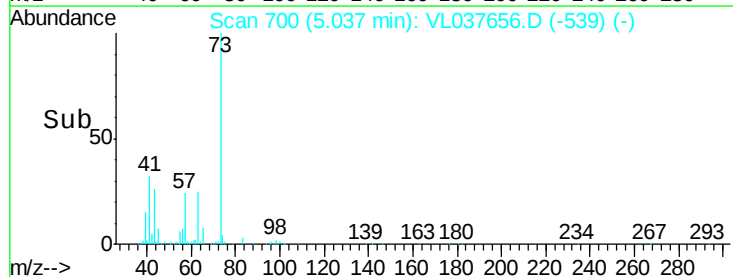
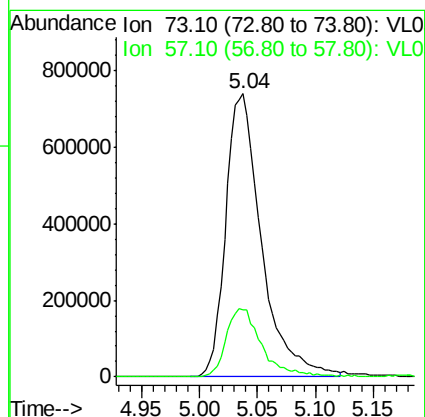
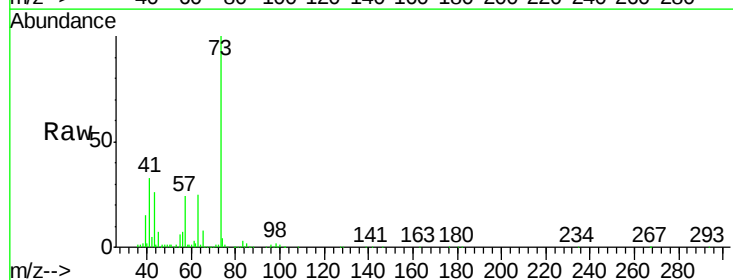
Acq: 23 Sep 2021 11:02

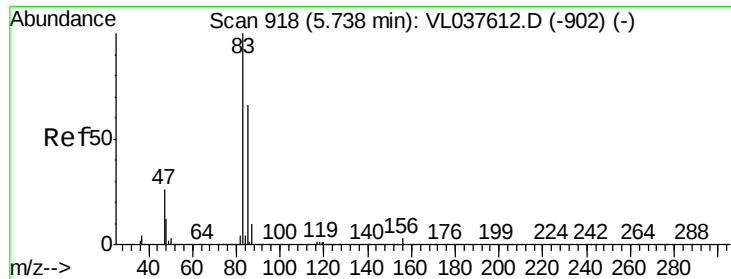
Tgt Ion: 73 Resp: 1585129

Ion Ratio Lower Upper

73 100

57 24.4 20.1 30.1





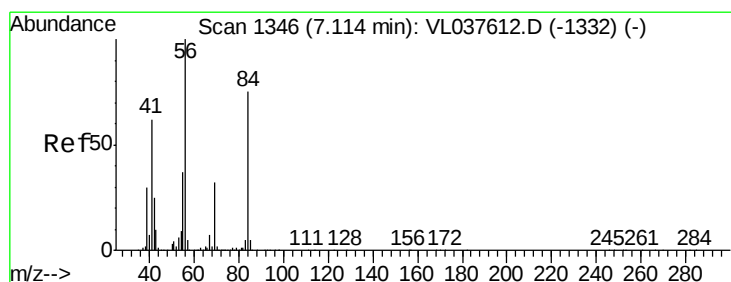
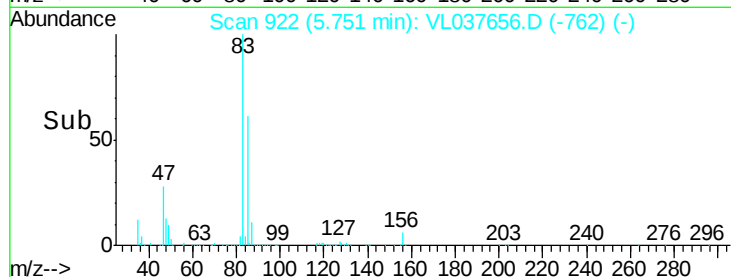
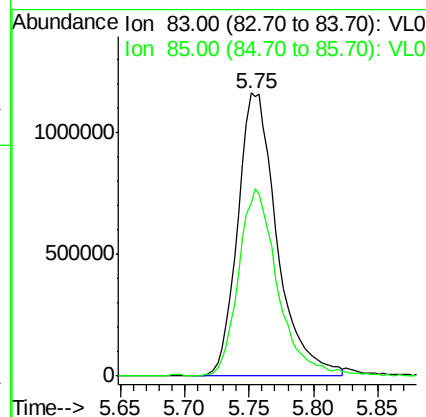
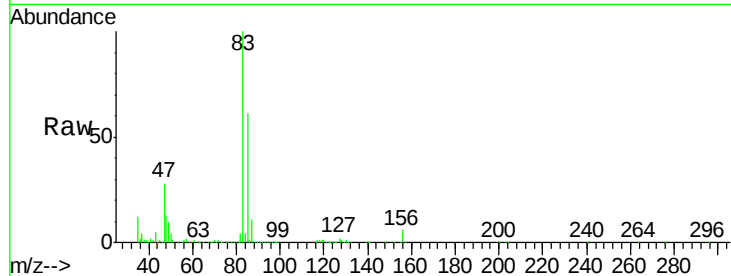
#29
Chloroform
Concen: 8.882 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.01 min
Lab File: VL037656.D
Acq: 23 Sep 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tgt Ion: 83 Resp: 2475323
Ion Ratio Lower Upper
83 100
85 61.2 52.6 79.0

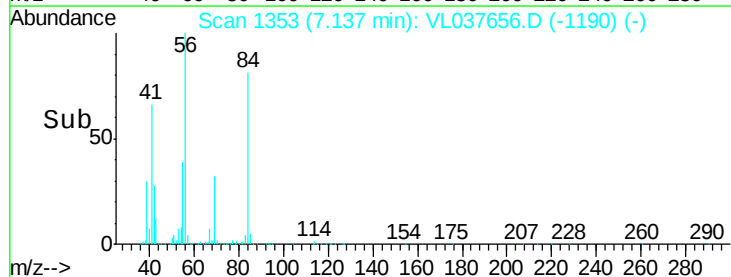
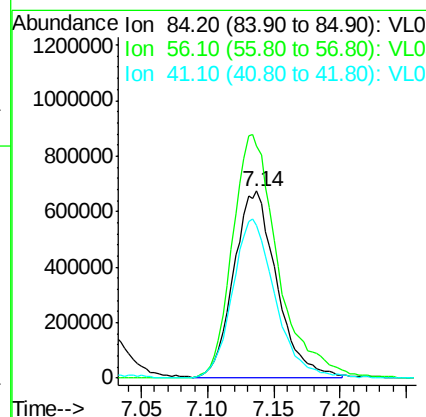
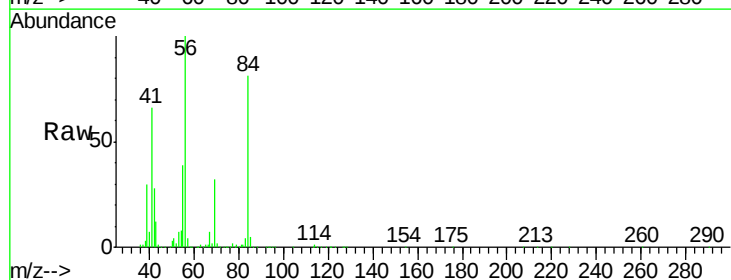
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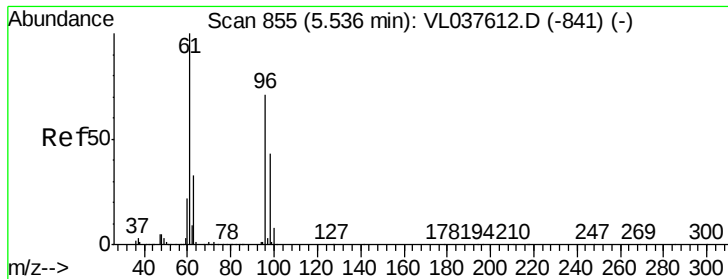
MMDadoda
9/27/2021 10:56:24 AM



#30
Cyclohexane
Concen: 9.184 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.02 min
Lab File: VL037656.D
Acq: 23 Sep 2021 11:02

Tgt Ion: 84 Resp: 1498961
Ion Ratio Lower Upper
84 100
56 140.6 113.6 170.4
41 86.1 67.9 101.9





#31

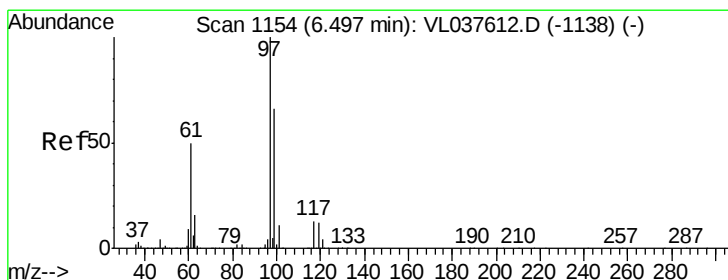
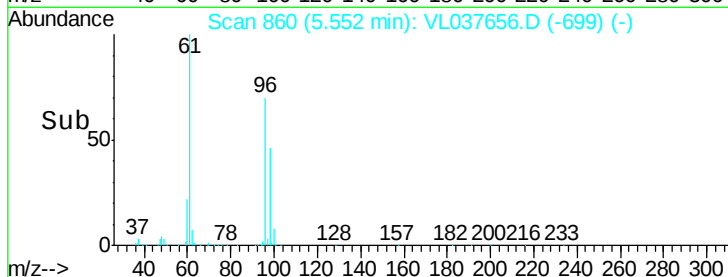
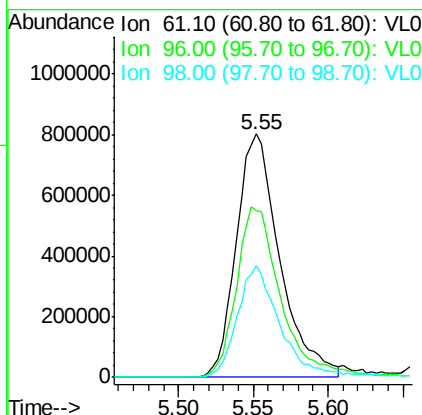
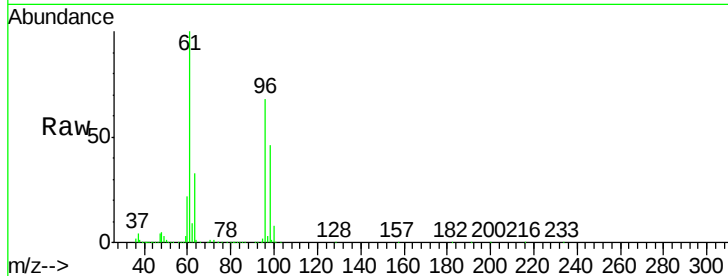
cis-1,2-Dichloroethene
 Concen: 9.364 ppbv
 RT: 5.55 min Scan# 860
 Delta R.T. 0.02 min
 Lab File: VL037656.D
 Acq: 23 Sep 2021 11:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tgt Ion	Ratio	Lower	Upper
61	100		
96	68.3	56.7	85.1
98	46.2	34.6	52.0

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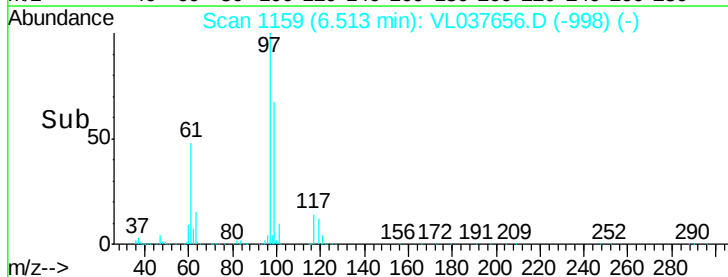
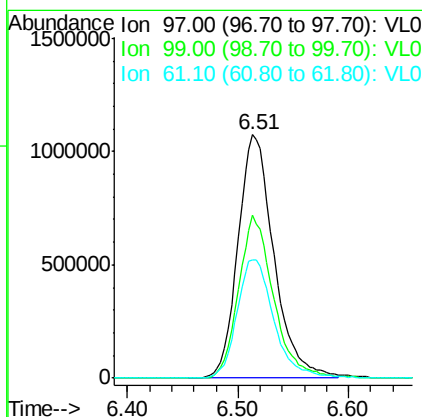
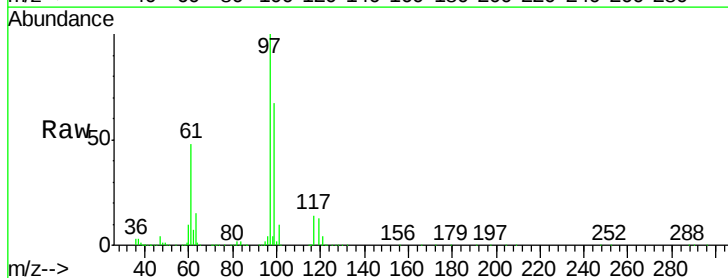
MMDadoda
 9/27/2021 10:56:24 AM

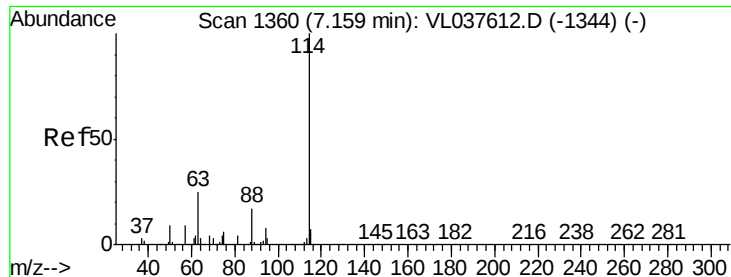


#32

1,1,1-Trichloroethane
 Concen: 9.355 ppbv
 RT: 6.51 min Scan# 1159
 Delta R.T. 0.02 min
 Lab File: VL037656.D
 Acq: 23 Sep 2021 11:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.3	78.5
61	49.7	39.5	59.3





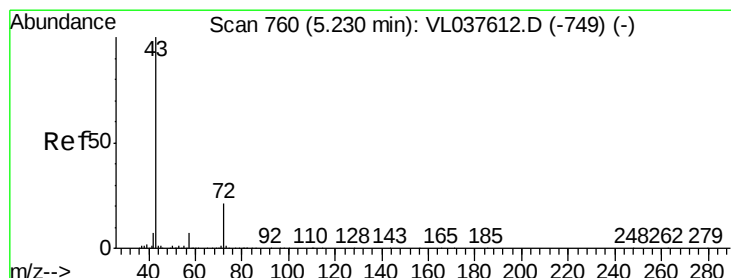
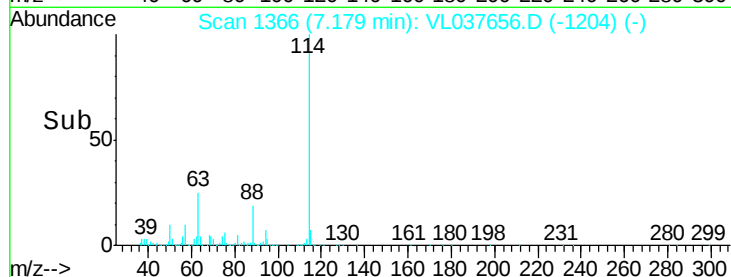
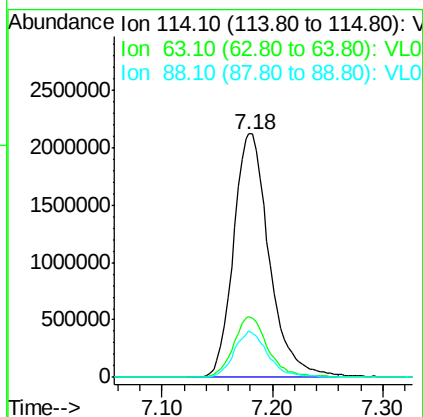
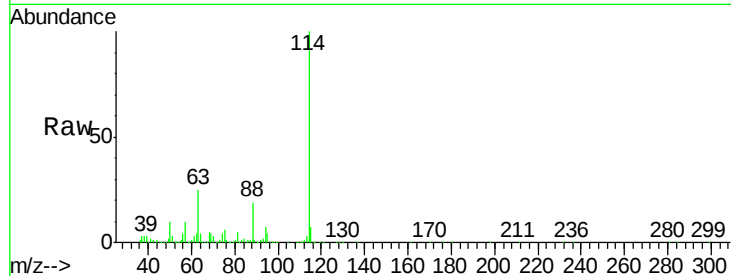
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.02 min
 Lab File: VL037656.D
 Acq: 23 Sep 2021 11:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tgt Ion: 114 Resp: 4751537
 Ion Ratio Lower Upper
 114 100
 63 24.3 19.6 29.4
 88 18.1 14.2 21.4

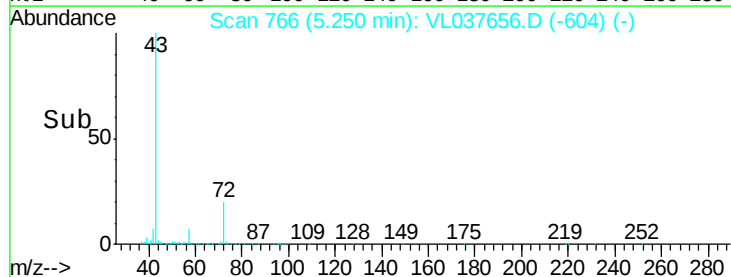
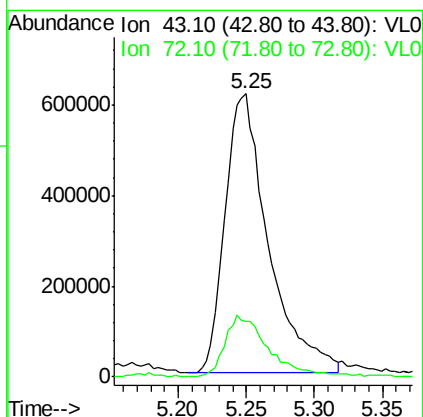
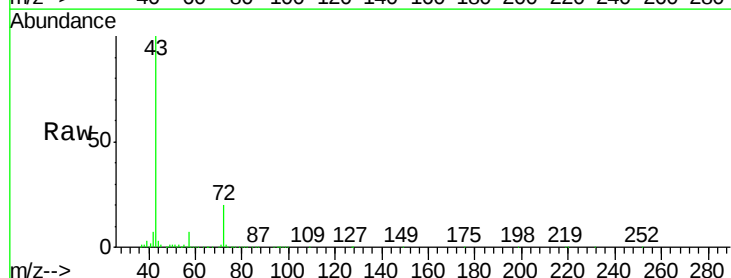
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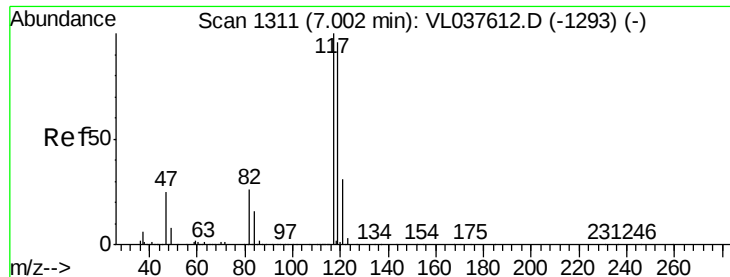
MMDadoda
 9/27/2021 10:56:24 AM



#34
 2-Butanone
 Concen: 7.047 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.02 min
 Lab File: VL037656.D
 Acq: 23 Sep 2021 11:02

Tgt Ion: 43 Resp: 1360789
 Ion Ratio Lower Upper
 43 100
 72 22.4 18.4 27.6





#35

Carbon Tetrachloride

Concen: 9.481 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.02 min

Lab File: VL037656.D

Acq: 23 Sep 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tgt Ion: 117 Resp: 2548429

Ion Ratio Lower Upper

117 100

119 97.2 77.0 115.6

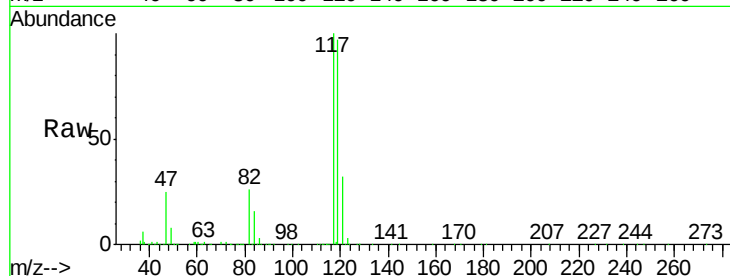
121 31.8 24.5 36.7

Manual Integrations

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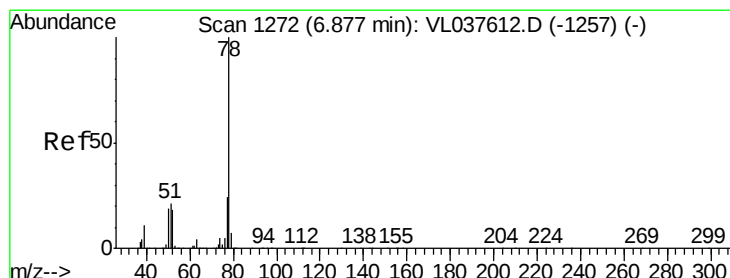
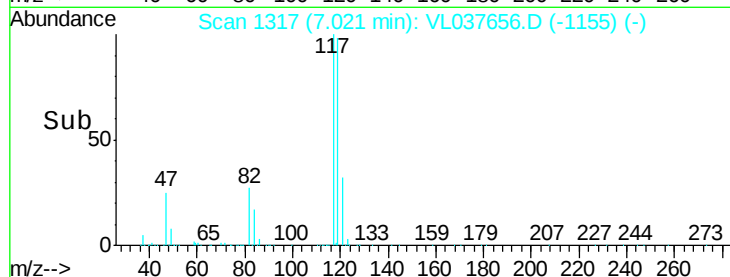
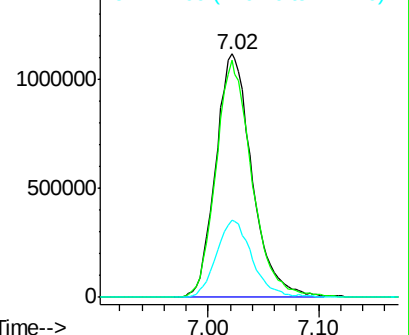
9/27/2021 10:56:24 AM



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: 9.166 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. 0.02 min

Lab File: VL037656.D

Acq: 23 Sep 2021 11:02

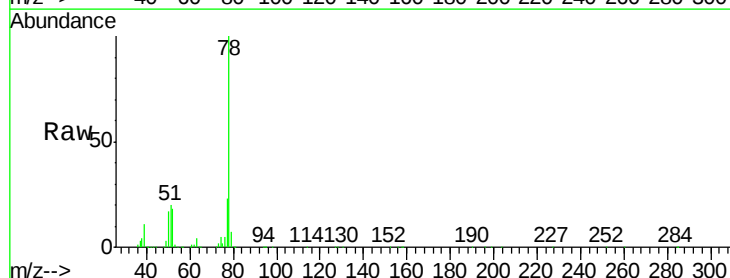
Tgt Ion: 78 Resp: 3631540

Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.4

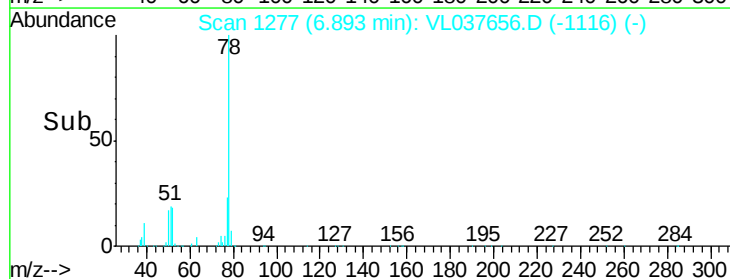
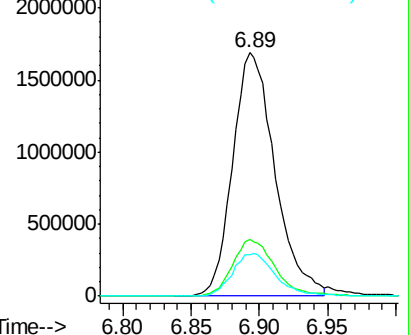
50 17.2 14.8 22.2

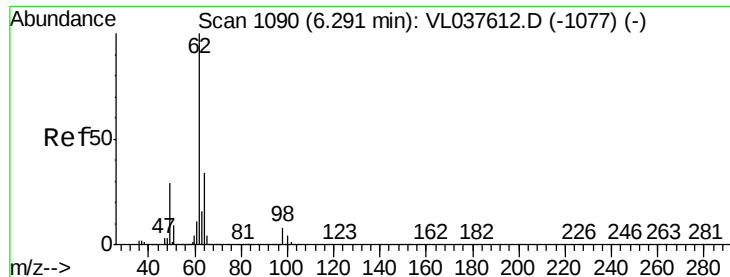


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





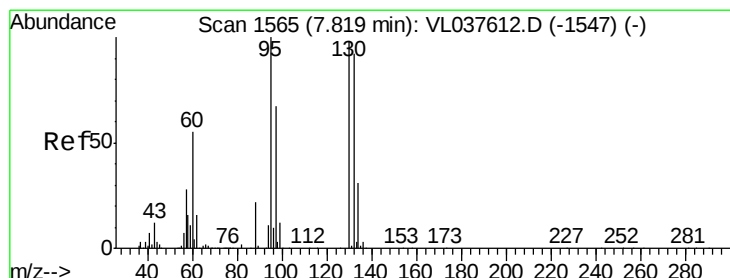
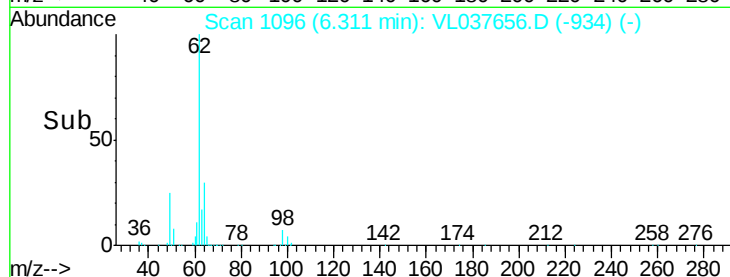
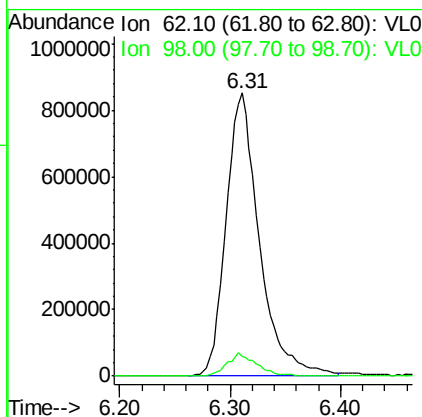
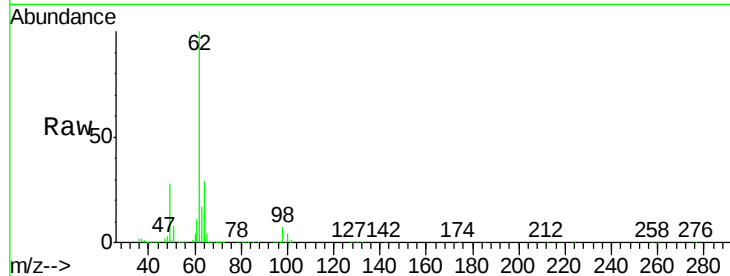
#37
 1,2-Dichloroethane
 Concen: 9.137 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. 0.02 min
 Lab File: VL037656.D
 Acq: 23 Sep 2021 11:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tgt Ion: 62 Resp: 1780490
 Ion Ratio Lower Upper
 62 100
 98 7.2 6.1 9.1

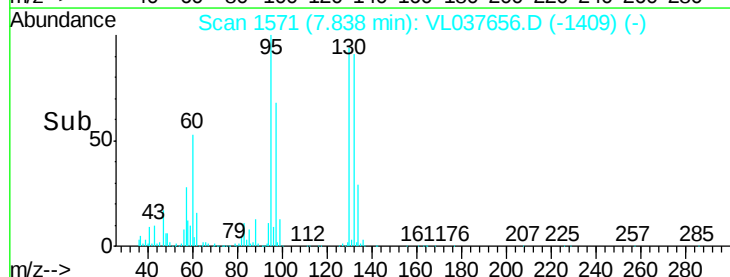
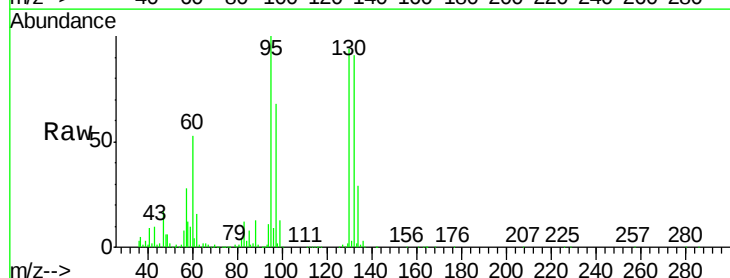
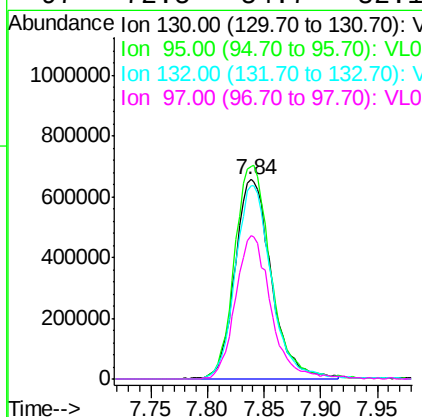
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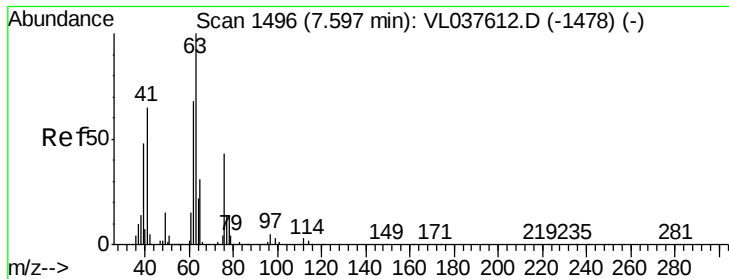
MMDadoda
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#38
 Trichloroethene
 Concen: 8.806 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.02 min
 Lab File: VL037656.D
 Acq: 23 Sep 2021 11:02

Tgt Ion: 130 Resp: 1457429
 Ion Ratio Lower Upper
 130 100
 95 106.9 81.8 122.6
 132 97.1 75.3 112.9
 97 72.5 54.7 82.1





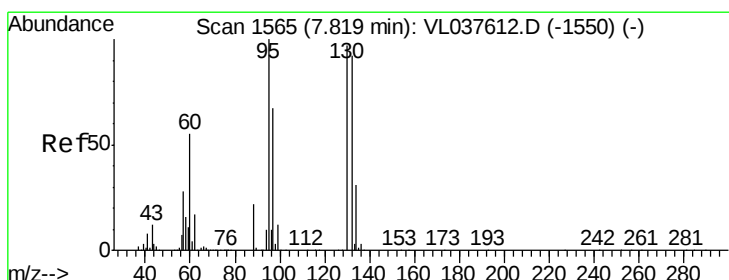
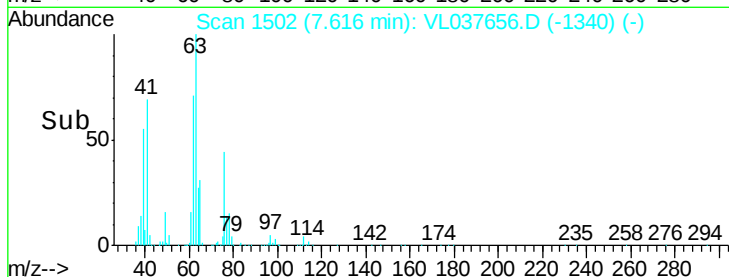
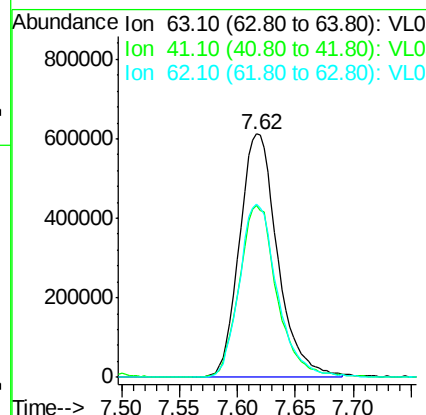
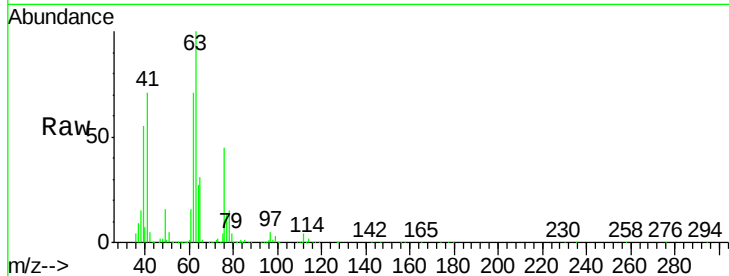
#39
 1,2-Dichloropropane
 Concen: 9.177 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. 0.02 min
 Lab File: VL037656.D
 Acq: 23 Sep 2021 11:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tgt Ion	Ratio	Lower	Upper
63	100		
41	70.5	51.6	77.4
62	71.2	54.6	81.8

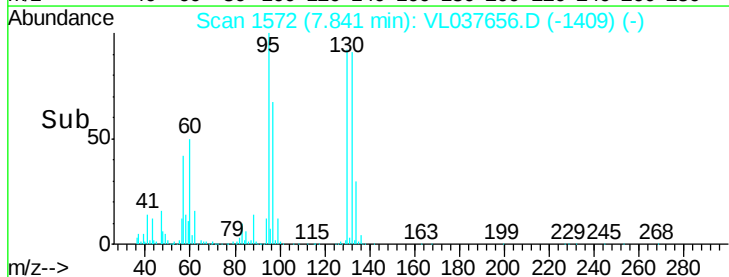
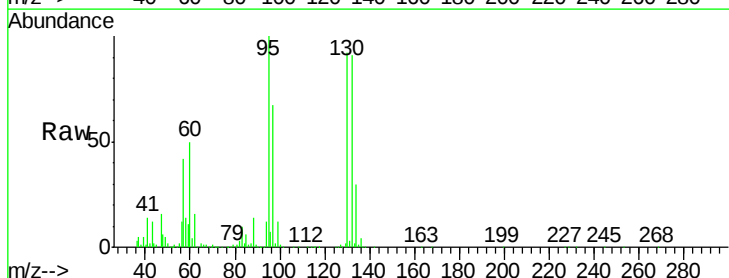
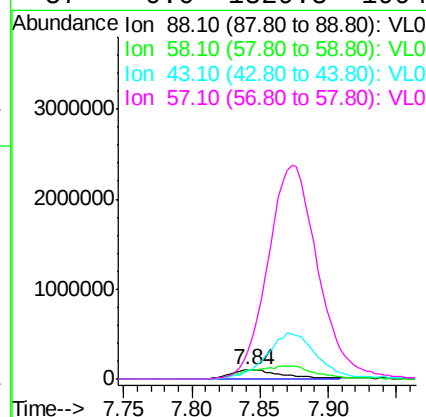
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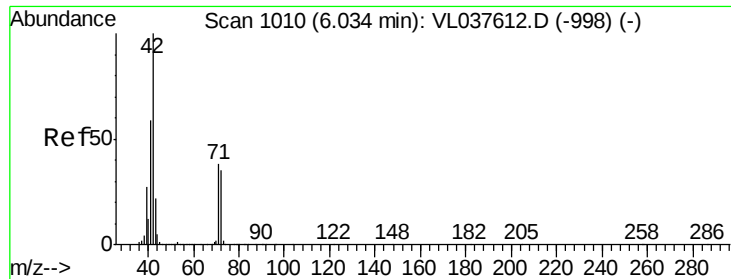
MMDadoda
 9/27/2021 10:56:24 AM



#40
 1,4-Dioxane
 Concen: 7.370 ppbv m
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.02 min
 Lab File: VL037656.D
 Acq: 23 Sep 2021 11:02

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	122.4	183.6#
43	0.0	297.4	446.0#
57	0.0	1329.8	1994.8#





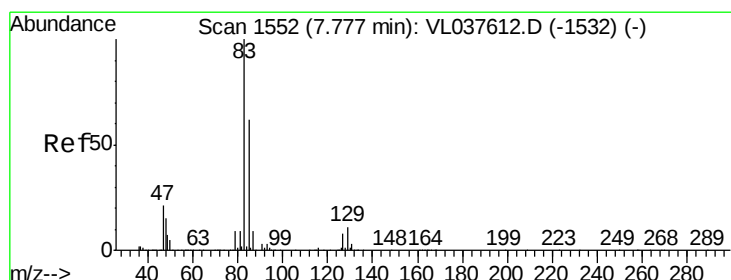
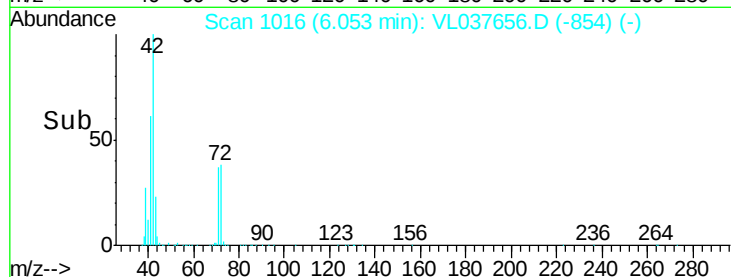
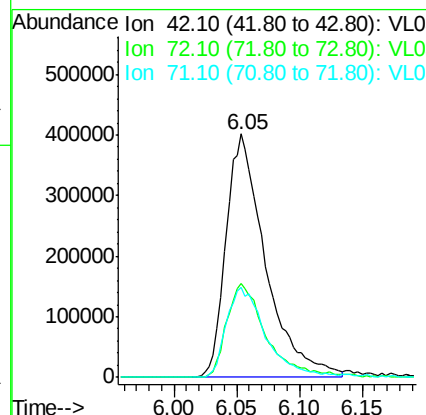
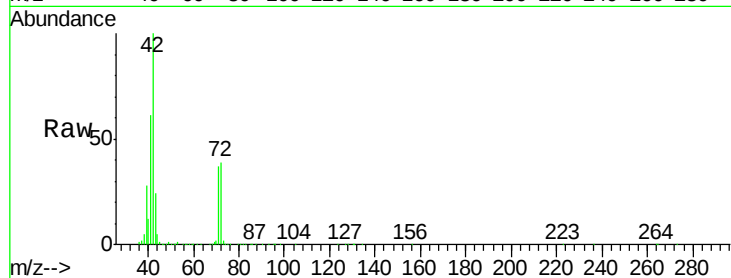
#41
Tetrahydrofuran
Concen: 9.572 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. 0.02 min
Lab File: VL037656.D
Acq: 23 Sep 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	39.6	31.4	47.2
71	38.3	30.6	46.0

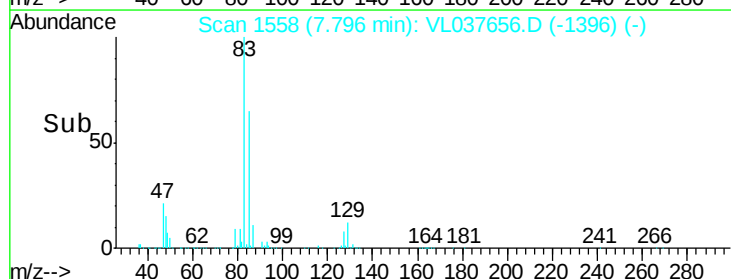
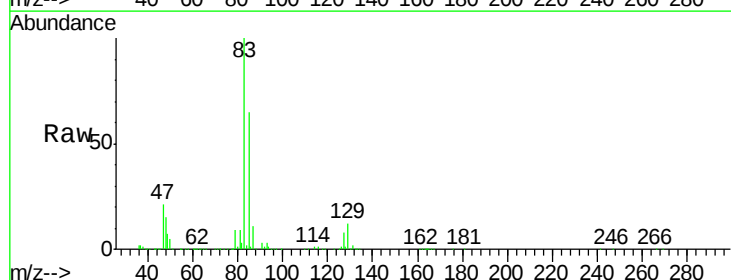
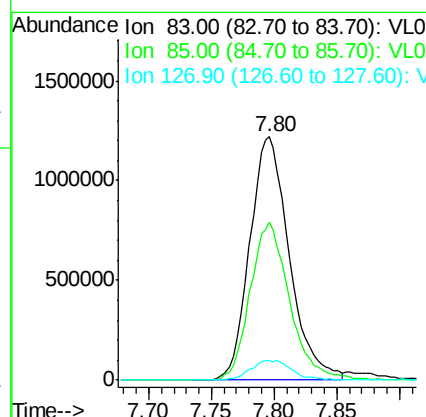
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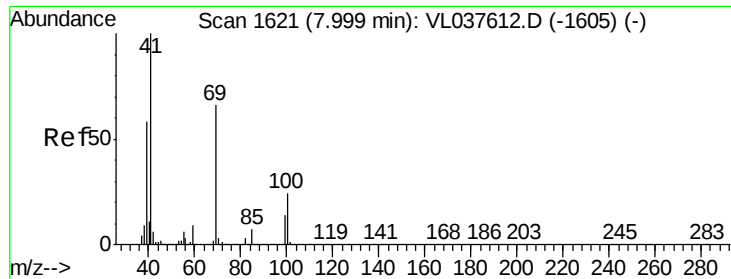
MMDadoda
9/27/2021 10:56:24 AM



#42
Bromodichloromethane
Concen: 9.575 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. 0.02 min
Lab File: VL037656.D
Acq: 23 Sep 2021 11:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.8	74.6
127	8.0	6.4	9.6





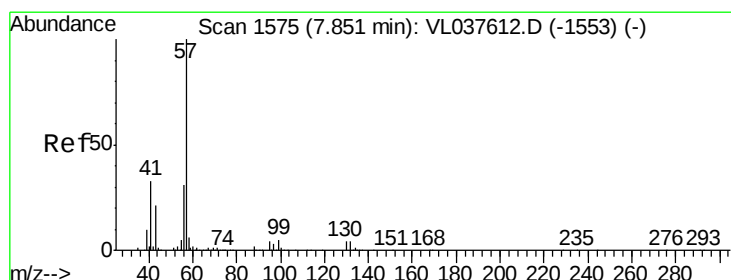
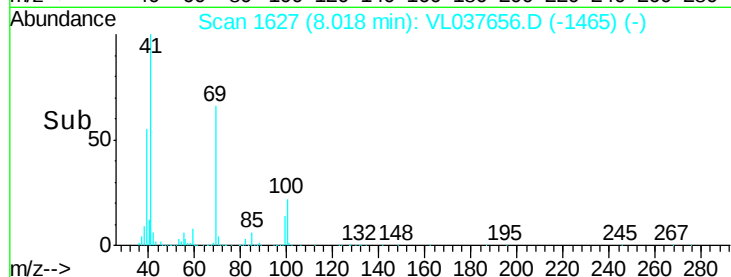
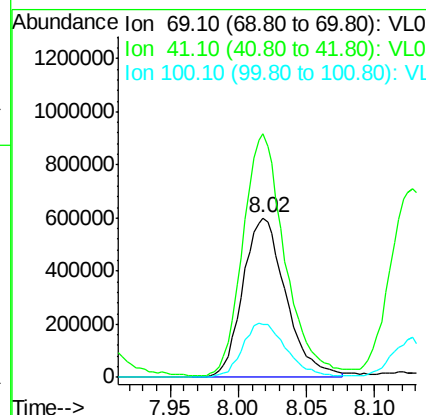
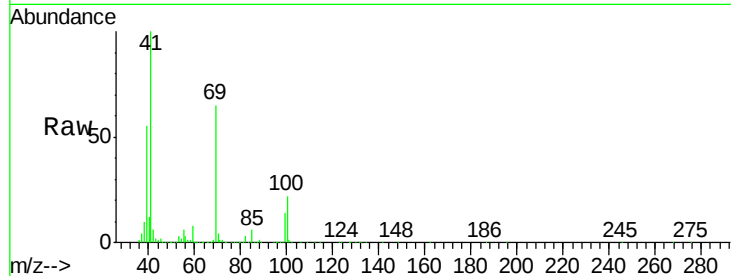
#43
Methyl Methacrylate
Concen: 9.976 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. 0.02 min
Lab File: VL037656.D
Acq: 23 Sep 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tgt Ion: 69 Resp: 1314969
Ion Ratio Lower Upper
69 100
41 151.2 119.0 178.4
100 34.7 27.6 41.4

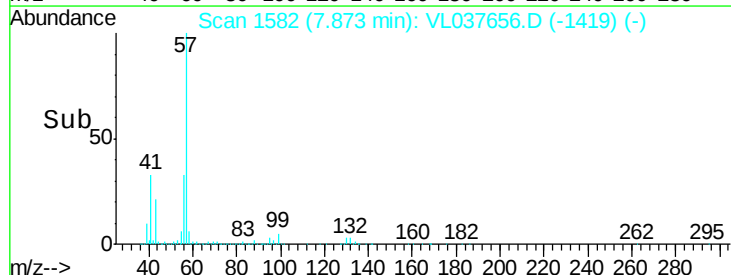
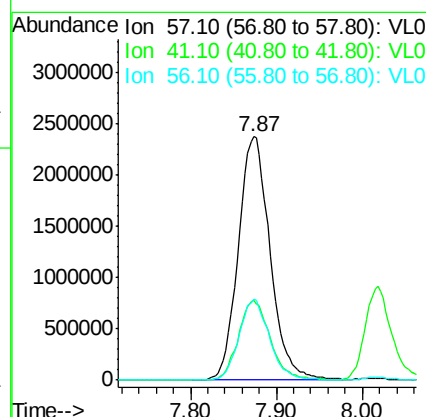
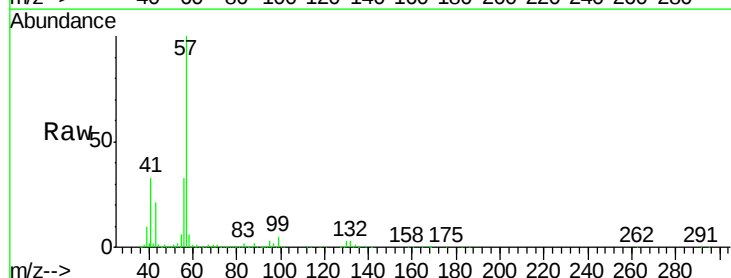
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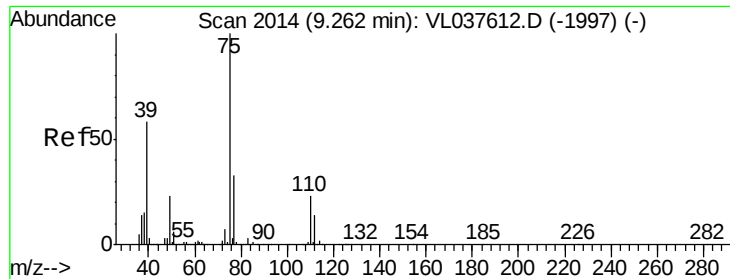
MMDadoda
9/27/2021 10:56:24 AM



#44
2,2,4-Trimethylpentane
Concen: 9.154 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.02 min
Lab File: VL037656.D
Acq: 23 Sep 2021 11:02

Tgt Ion: 57 Resp: 6097518
Ion Ratio Lower Upper
57 100
41 33.1 26.1 39.1
56 31.8 25.7 38.5





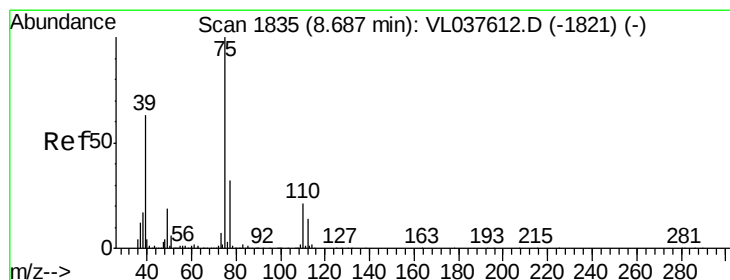
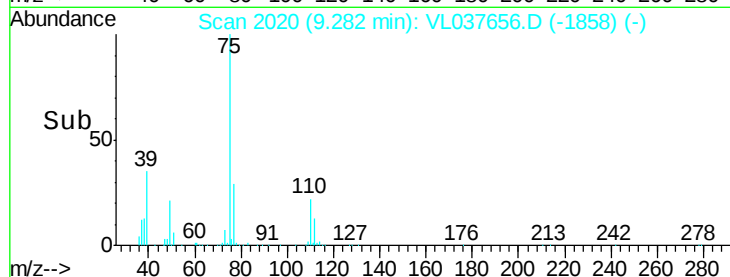
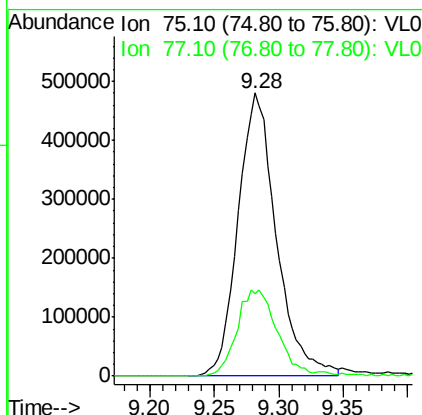
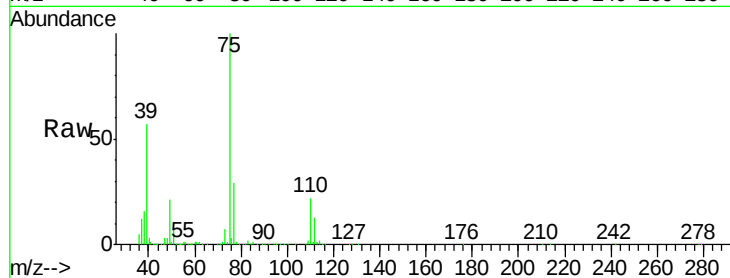
#45
t-1,3-Dichloropropene
Concen: 9.606 ppbv
RT: 9.28 min Scan# 2020
Delta R.T. 0.02 min
Lab File: VL037656.D
Acq: 23 Sep 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tgt Ion: 75 Resp: 994592
Ion Ratio Lower Upper
75 100
77 29.0 26.3 39.5

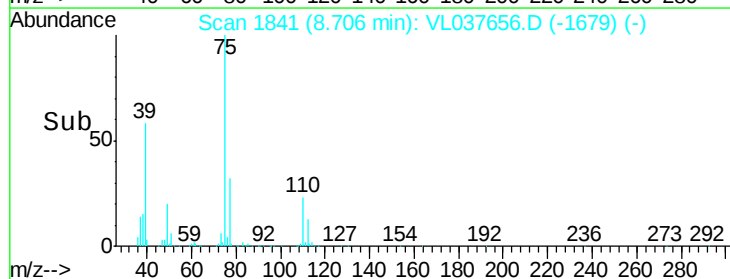
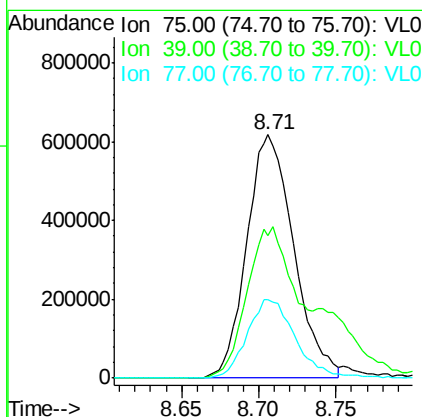
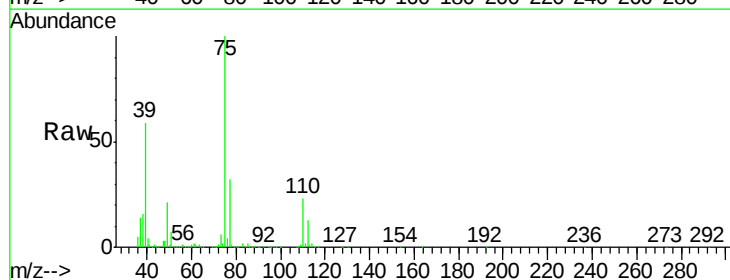
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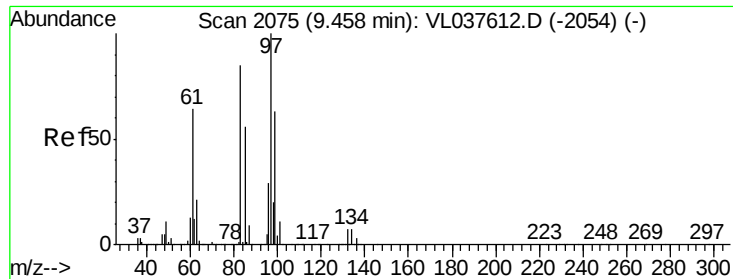
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 9.324 ppbv
RT: 8.71 min Scan# 1841
Delta R.T. 0.02 min
Lab File: VL037656.D
Acq: 23 Sep 2021 11:02

Tgt Ion: 75 Resp: 1304046
Ion Ratio Lower Upper
75 100
39 58.7 50.2 75.4
77 32.2 25.2 37.8





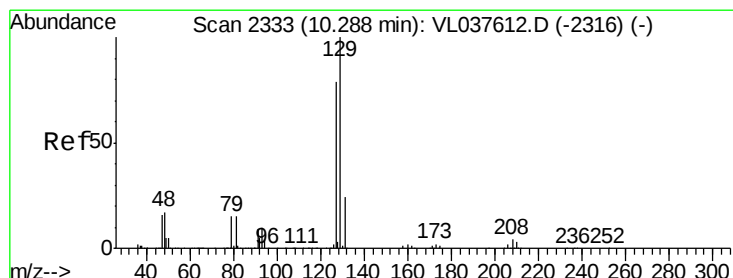
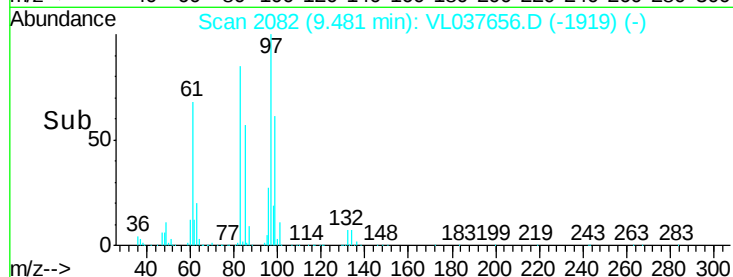
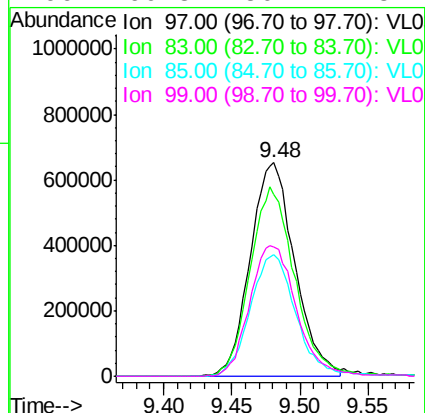
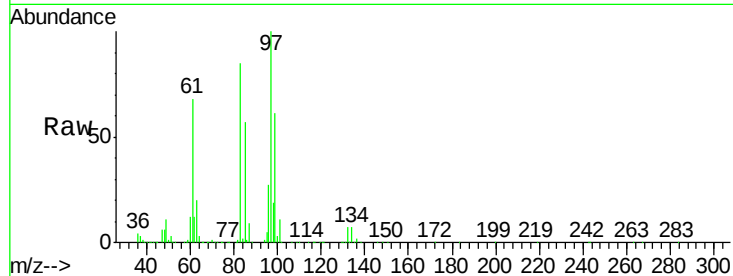
#47
 1,1,2-Trichloroethane
 Concen: 8.794 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. 0.02 min
 Lab File: VL037656.D
 Acq: 23 Sep 2021 11:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tgt Ion: 97 Resp: 1476280
 Ion Ratio Lower Upper
 97 100
 83 84.9 67.9 101.9
 85 57.2 44.8 67.2
 99 60.8 50.1 75.1

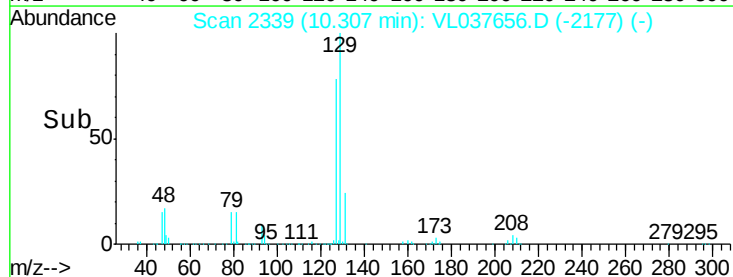
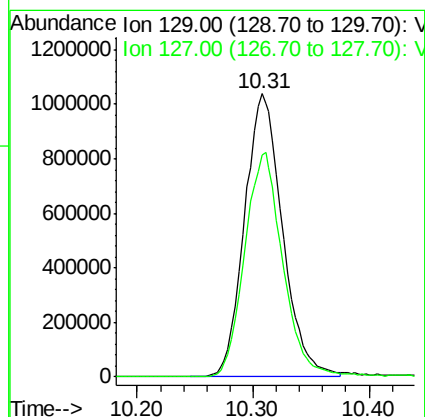
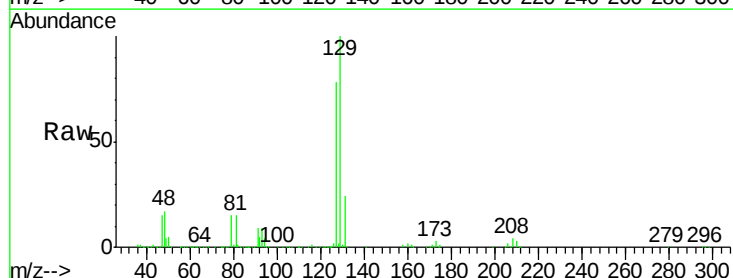
Manual Integrations
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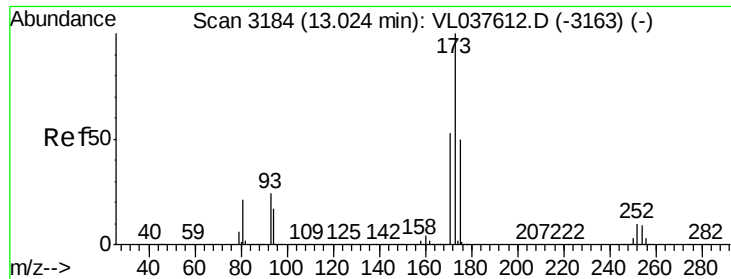
MMDadoda
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#48
 Dibromochloromethane
 Concen: 10.108 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T. 0.02 min
 Lab File: VL037656.D
 Acq: 23 Sep 2021 11:02

Tgt Ion: 129 Resp: 2367194
 Ion Ratio Lower Upper
 129 100
 127 80.3 39.3 117.8





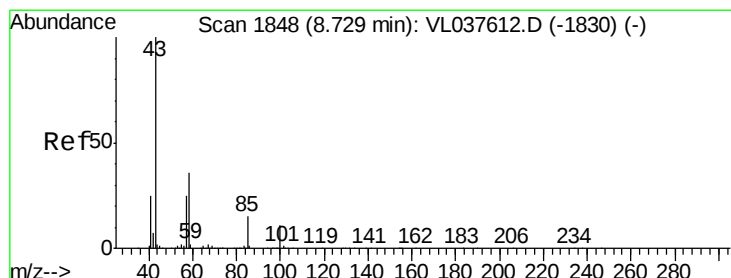
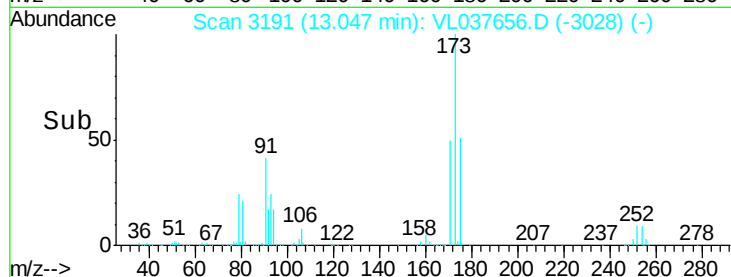
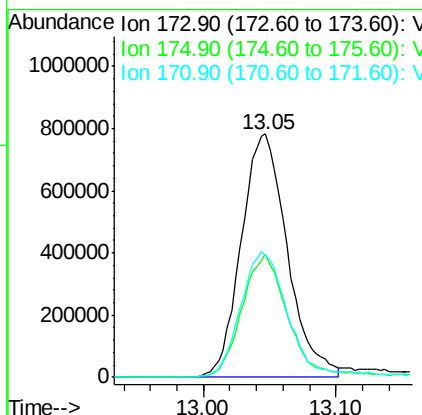
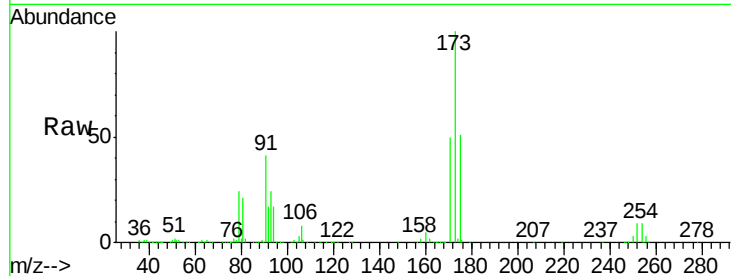
#49
Bromoform
Concen: 10.061 ppbv
RT: 13.05 min Scan# 3191
Delta R.T. 0.02 min
Lab File: VL037656.D
Acq: 23 Sep 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tgt Ion: 173 Resp: 1885889
Ion Ratio Lower Upper
173 100
175 51.7 39.8 59.8
171 55.8 42.2 63.4

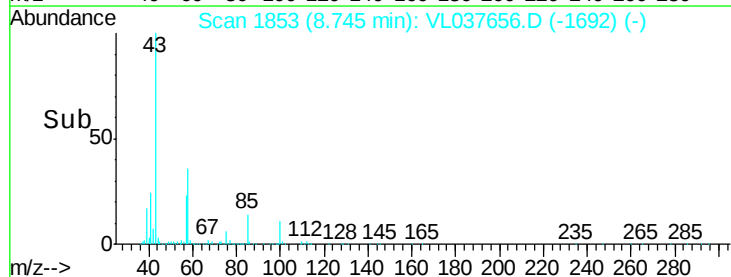
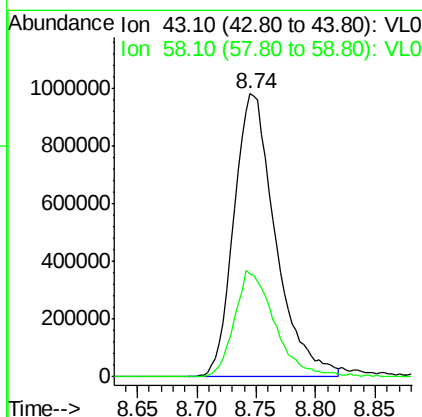
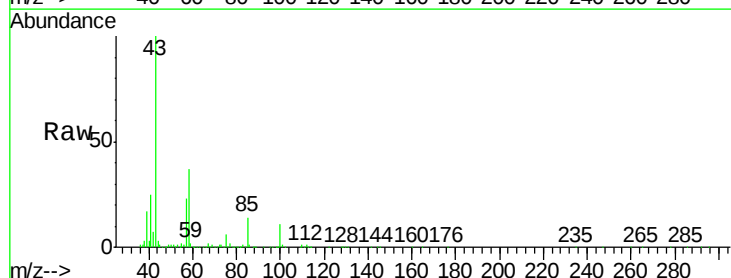
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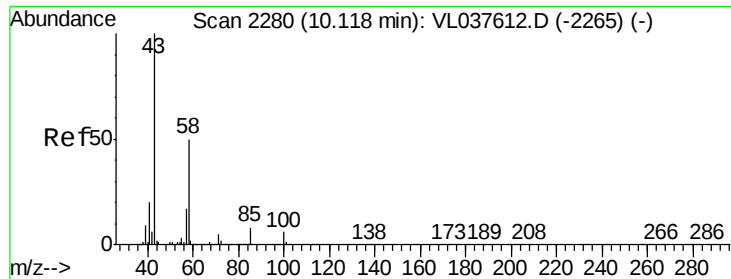
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 9.706 ppbv
RT: 8.74 min Scan# 1853
Delta R.T. 0.02 min
Lab File: VL037656.D
Acq: 23 Sep 2021 11:02

Tgt Ion: 43 Resp: 2378728
Ion Ratio Lower Upper
43 100
58 37.2 29.4 44.2





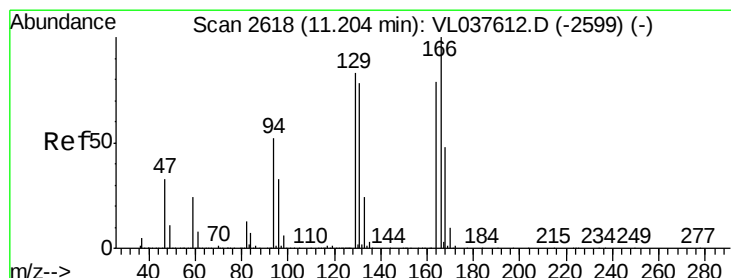
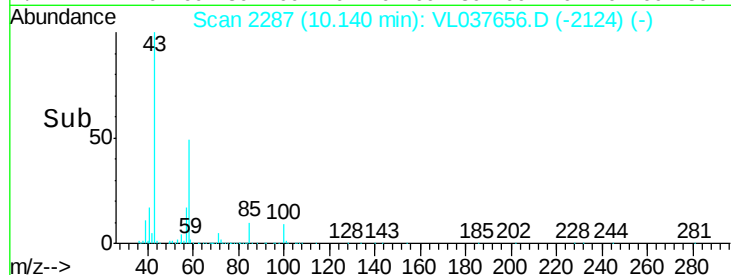
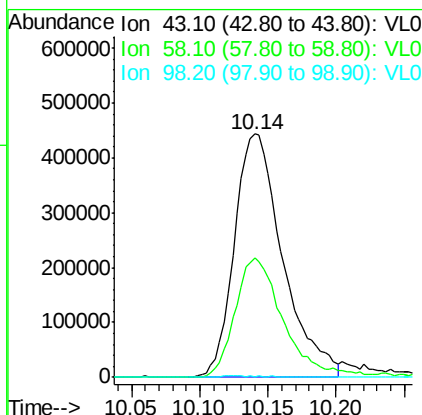
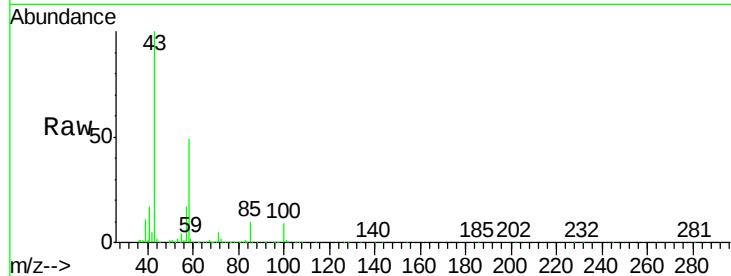
#51
2-Hexanone
Concen: 10.047 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. 0.02 min
Lab File: VL037656.D
Acq: 23 Sep 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tgt Ion: 43 Resp: 1086411
Ion Ratio Lower Upper
43 100
58 50.9 39.3 58.9
98 0.6 0.4 0.6

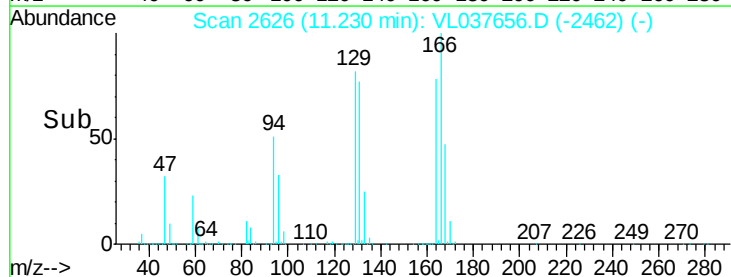
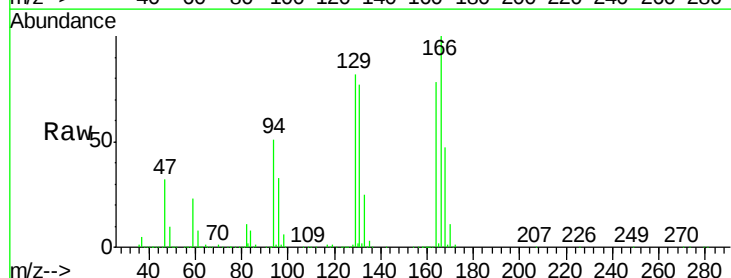
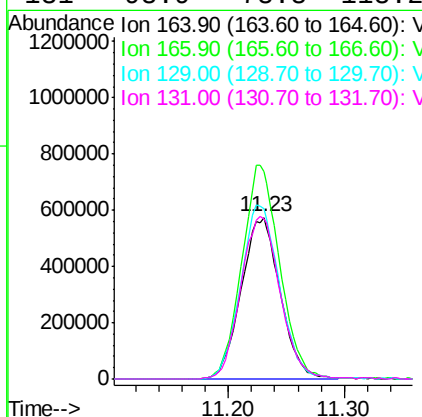
Manual Integrations
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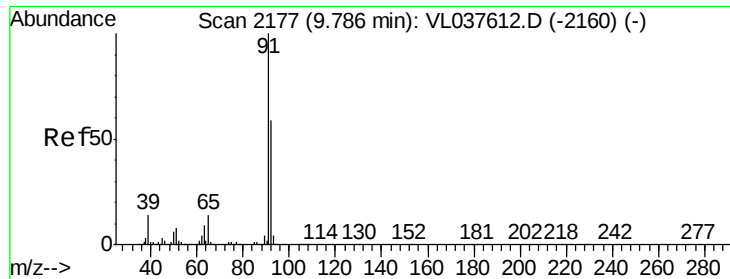
MMDadoda
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#52
Tetrachloroethene
Concen: 8.778 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. 0.03 min
Lab File: VL037656.D
Acq: 23 Sep 2021 11:02

Tgt Ion: 164 Resp: 1335188
Ion Ratio Lower Upper
164 100
166 128.1 101.2 151.8
129 105.2 84.0 126.0
131 98.9 78.8 118.2





#53

Toluene

Concen: 9.744 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.02 min

Lab File: VL037656.D

Acq: 23 Sep 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tgt Ion: 91 Resp: 4291120

Ion Ratio Lower Upper

91 100

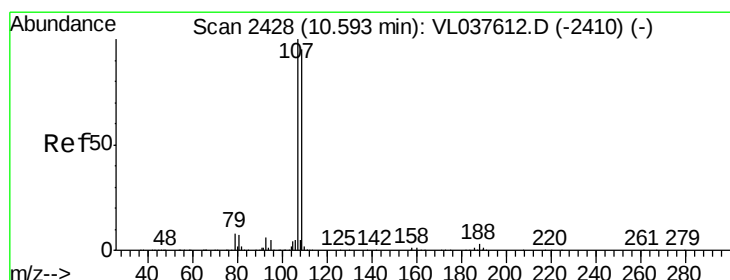
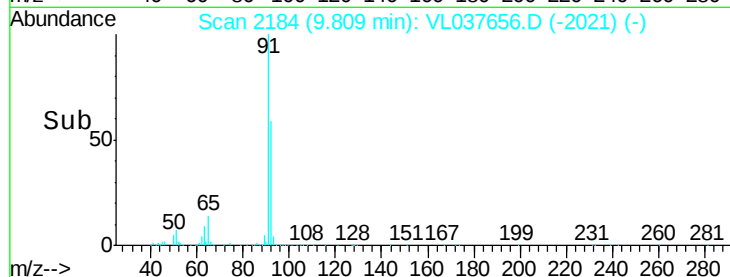
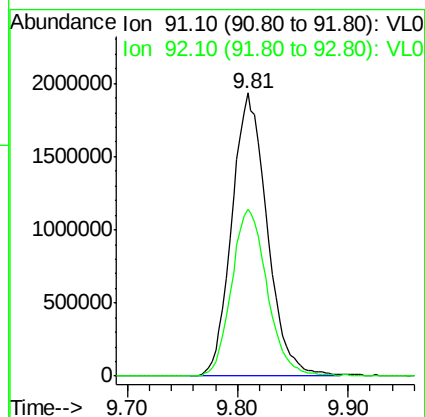
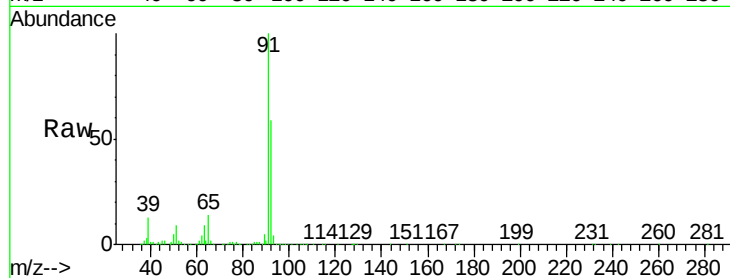
92 59.9 48.9 73.3

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 9.196 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. 0.02 min

Lab File: VL037656.D

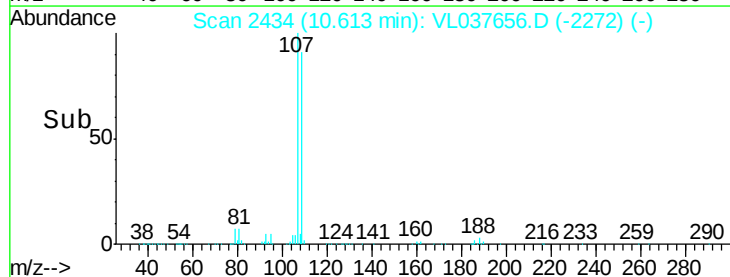
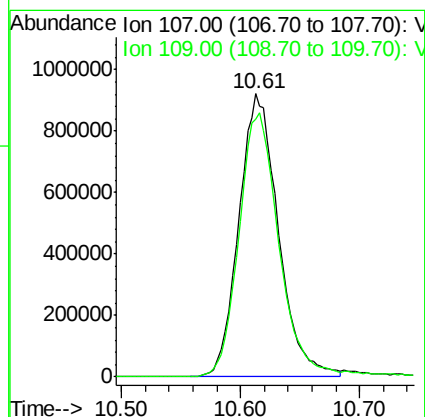
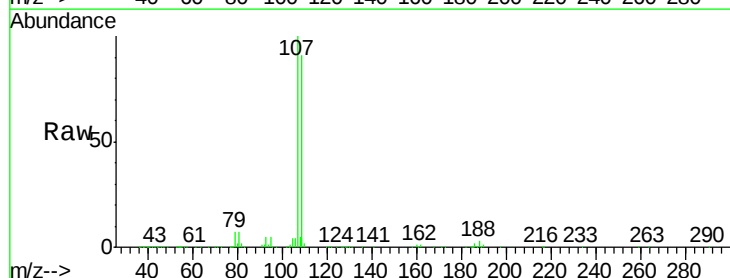
Acq: 23 Sep 2021 11:02

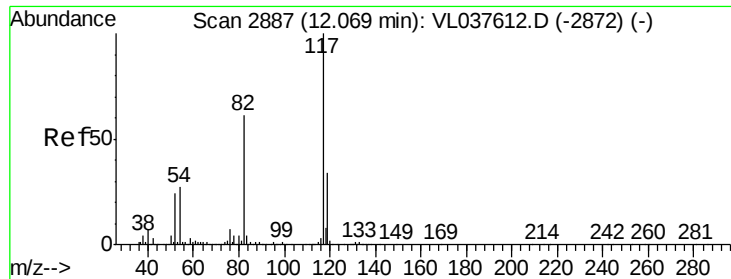
Tgt Ion: 107 Resp: 2113783

Ion Ratio Lower Upper

107 100

109 91.1 76.0 114.0





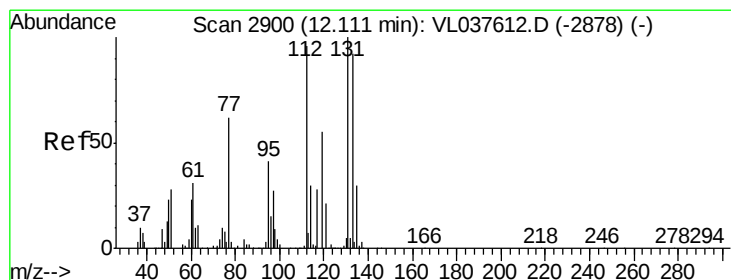
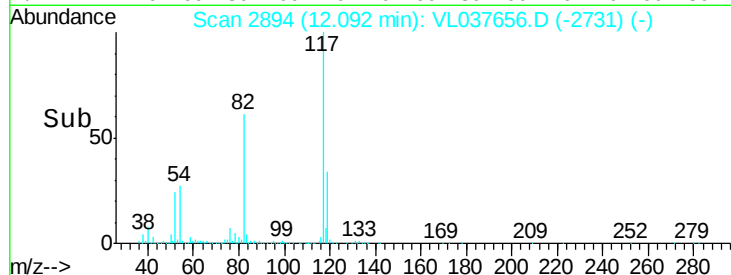
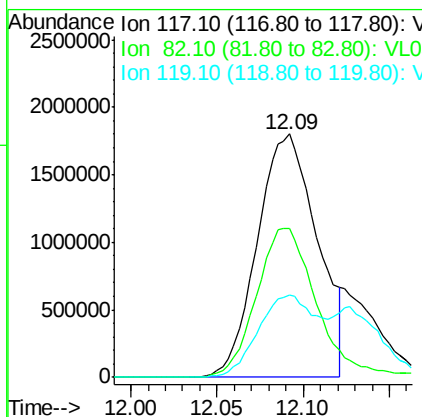
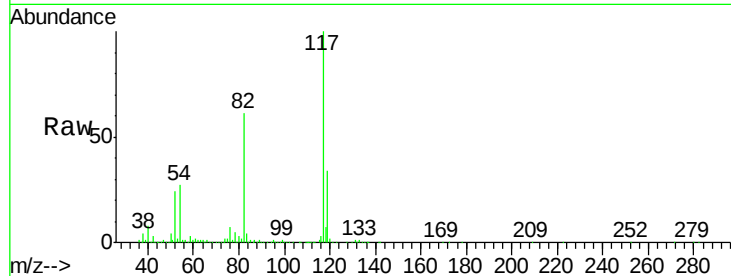
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2894
Delta R.T. 0.02 min
Lab File: VL037656.D
Acq: 23 Sep 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tgt Ion:117 Resp: 4340453
Ion Ratio Lower Upper
117 100
82 63.0 50.6 75.8
119 58.5 26.2 39.2#

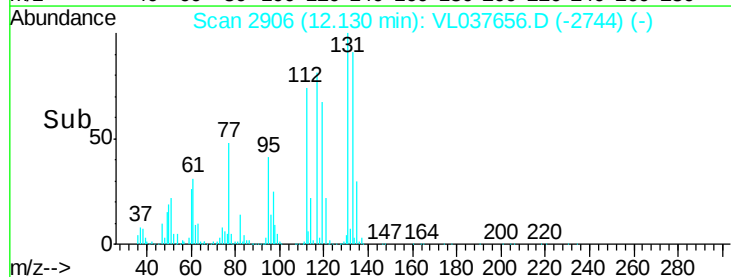
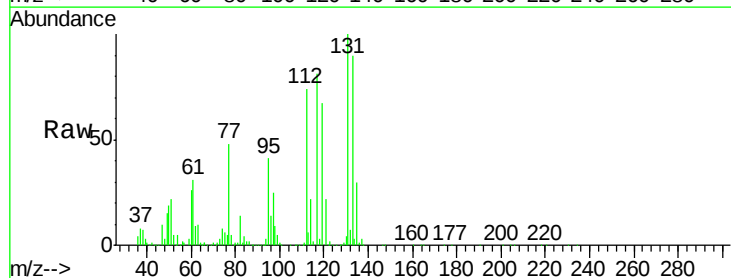
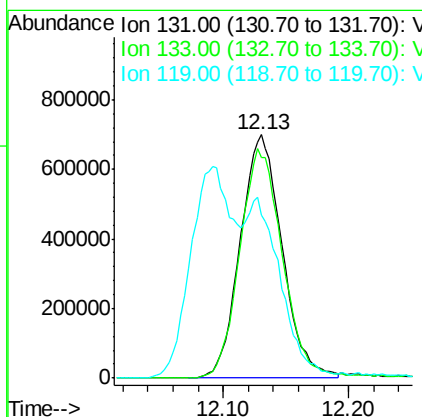
Manual Integrations
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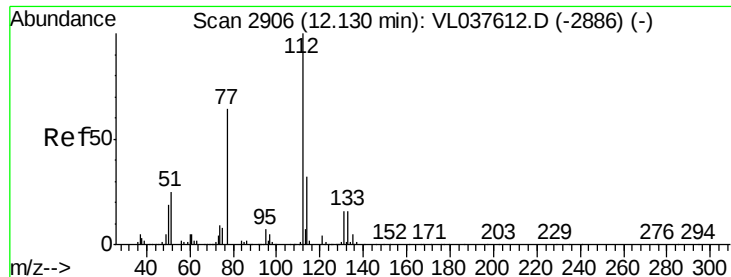
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.019 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. 0.02 min
Lab File: VL037656.D
Acq: 23 Sep 2021 11:02

Tgt Ion:131 Resp: 1623715
Ion Ratio Lower Upper
131 100
133 97.2 76.8 115.2
119 60.4 47.8 71.8





#57

Chlorobenzene

Concen: 8.586 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. 0.02 min

Lab File: VL037656.D

Acq: 23 Sep 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tgt Ion: 112 Resp: 3098214

Ion Ratio Lower Upper

112 100

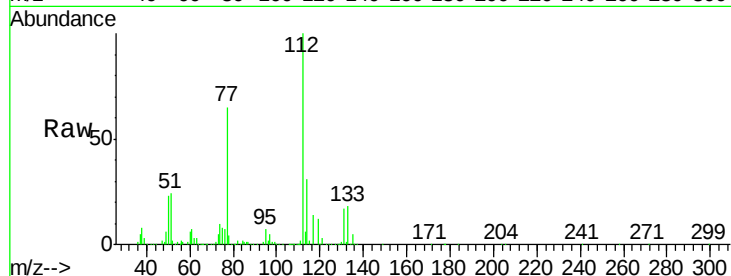
77 63.8 52.1 78.1

114 31.3 29.2 35.6

Manual Integrations
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MMDadoda

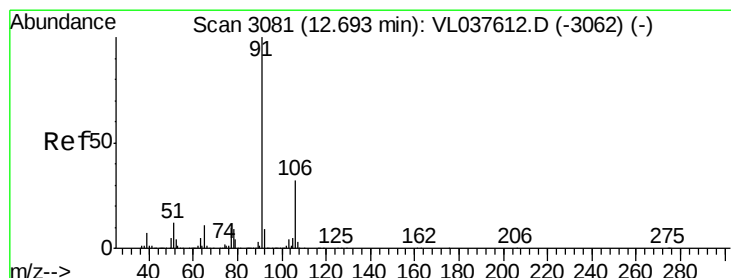
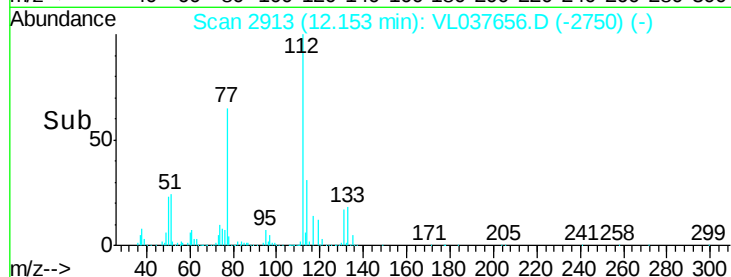
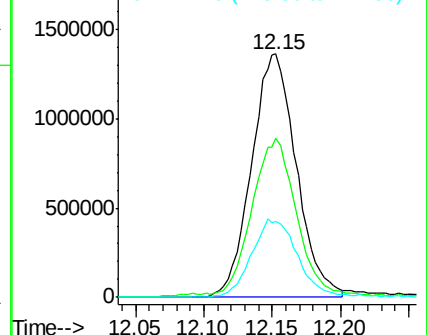
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.425 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. 0.02 min

Lab File: VL037656.D

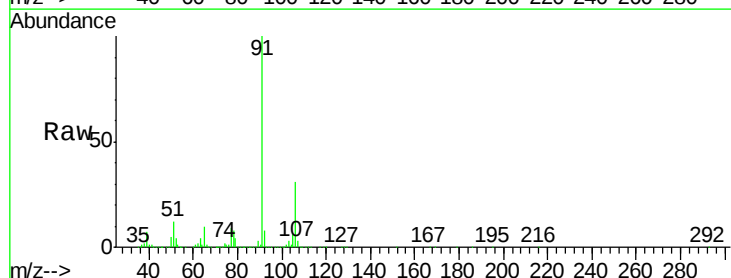
Acq: 23 Sep 2021 11:02

Tgt Ion: 91 Resp: 5430365

Ion Ratio Lower Upper

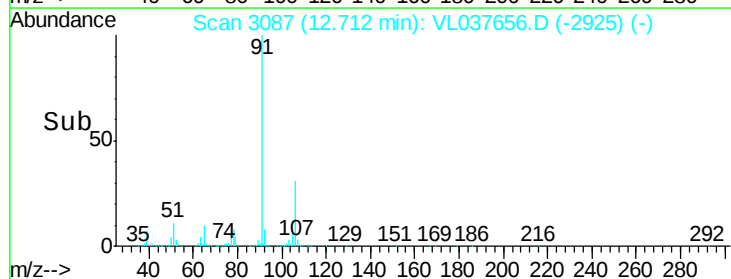
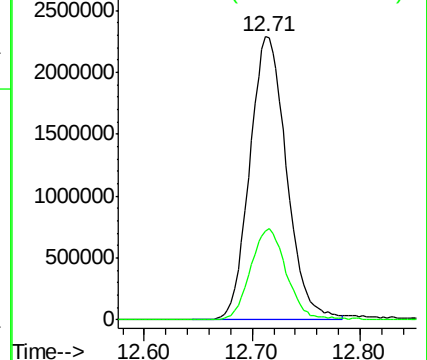
91 100

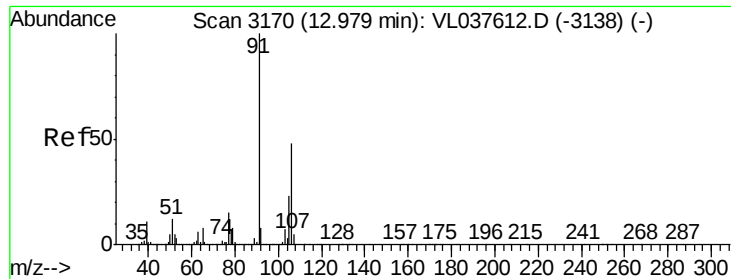
106 31.3 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





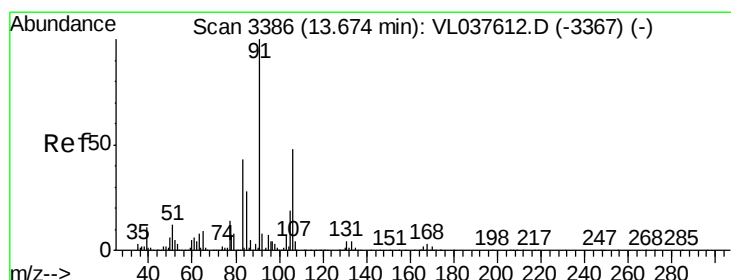
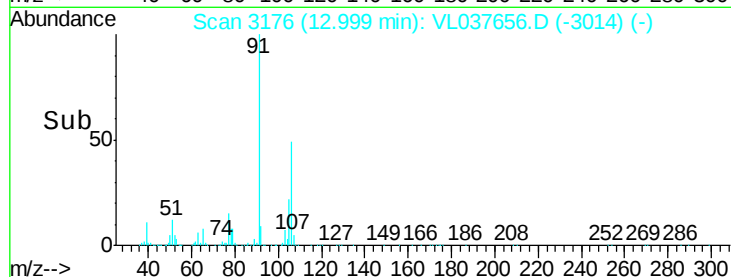
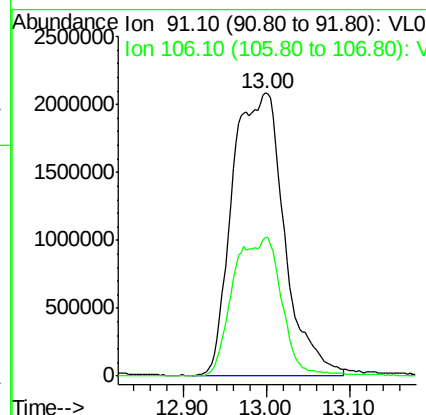
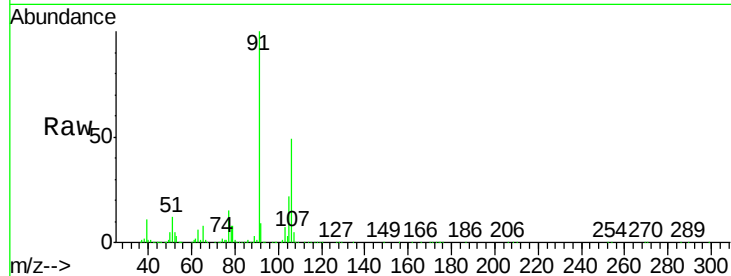
#59
m/p-Xylene
Concen: 18.029 ppbv m
RT: 13.00 min Scan# 3176
Delta R.T. 0.02 min
Lab File: VL037656.D
Acq: 23 Sep 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tgt Ion: 91 Resp: 9052306
Ion Ratio Lower Upper
91 100
106 45.9 36.6 55.0

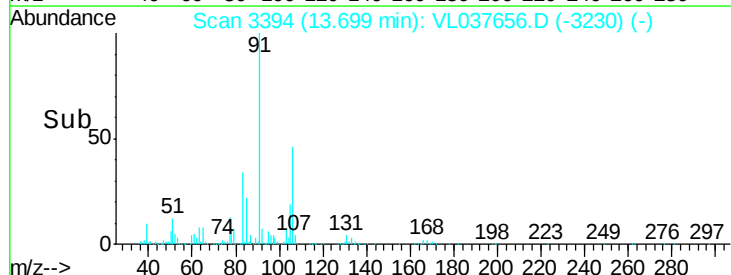
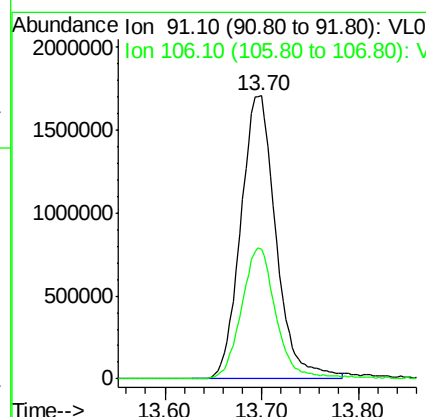
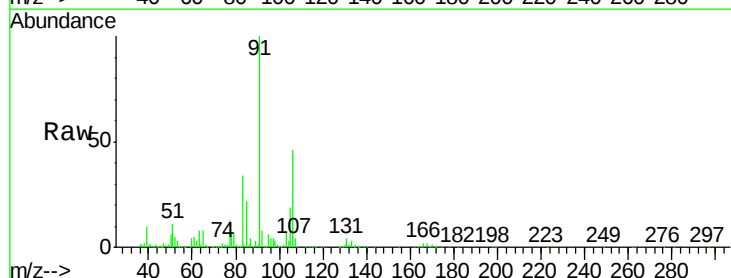
Manual Integrations
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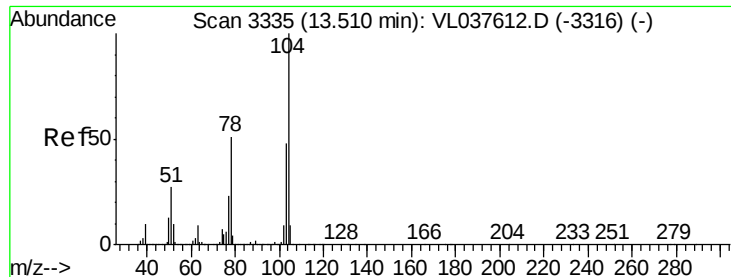
MMDadoda
9/27/2021 10:56:24 AM



#60
o-Xylene
Concen: 9.025 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. 0.03 min
Lab File: VL037656.D
Acq: 23 Sep 2021 11:02

Tgt Ion: 91 Resp: 4312804
Ion Ratio Lower Upper
91 100
106 46.2 23.0 69.0





#61

Styrene

Concen: 10.221 ppbv

RT: 13.53 min Scan# 3341

Delta R.T. 0.02 min

Lab File: VL037656.D

Acq: 23 Sep 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tgt Ion:104 Resp: 2408653

Ion Ratio Lower Upper

104 100

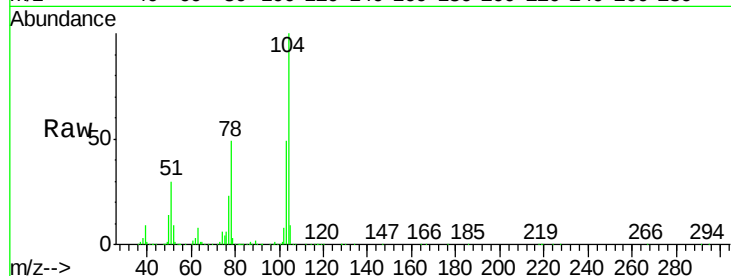
78 50.1 39.7 59.5

103 48.8 38.8 58.2

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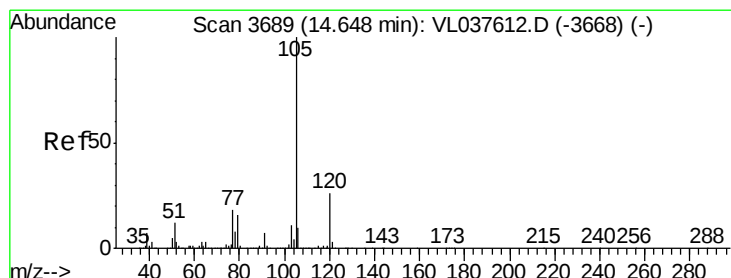
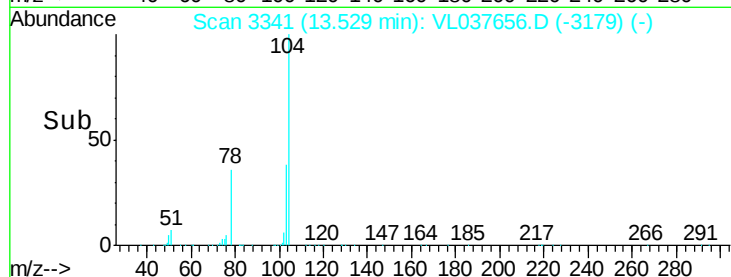
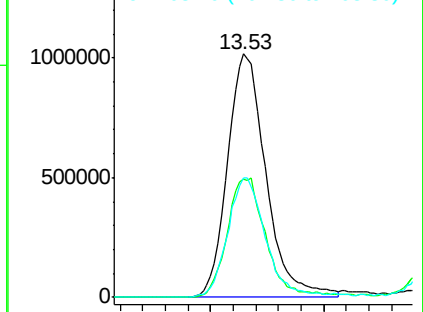
9/27/2021 10:56:24 AM



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: 8.647 ppbv

RT: 14.67 min Scan# 3696

Delta R.T. 0.02 min

Lab File: VL037656.D

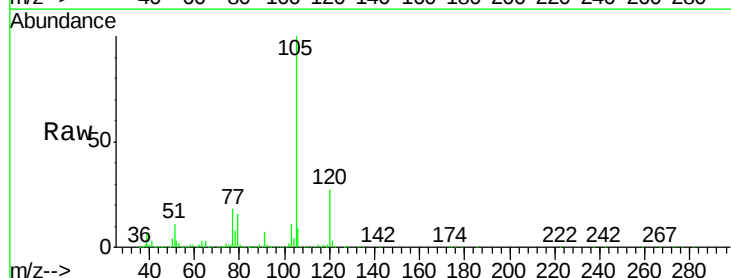
Acq: 23 Sep 2021 11:02

Tgt Ion:105 Resp: 5772731

Ion Ratio Lower Upper

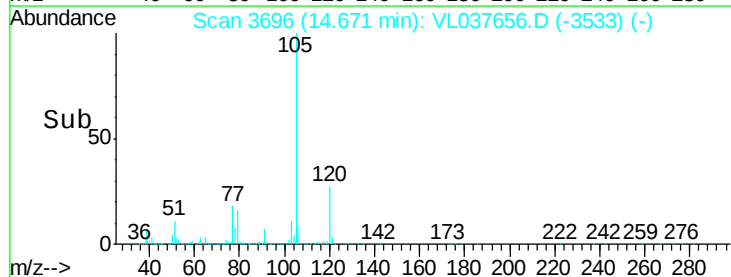
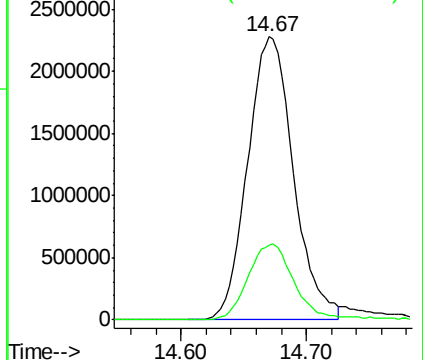
105 100

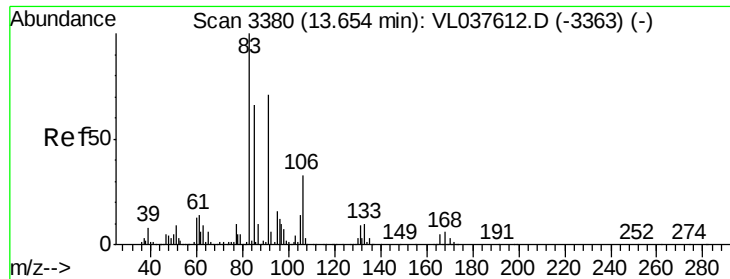
120 27.6 21.4 32.0



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: 7.913 ppbv

RT: 13.68 min Scan# 3388

Delta R.T. 0.03 min

Lab File: VL037656.D

Acq: 23 Sep 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tgt Ion: 83 Resp: 2959466

Ion Ratio Lower Upper

83 100

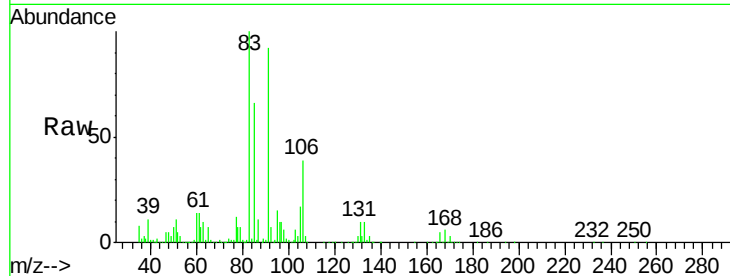
131 10.1 5.1 15.3

85 67.9 33.3 99.9

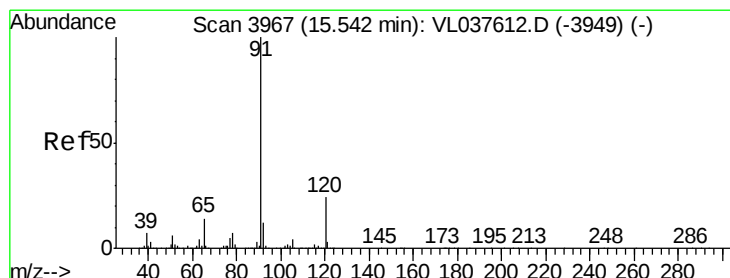
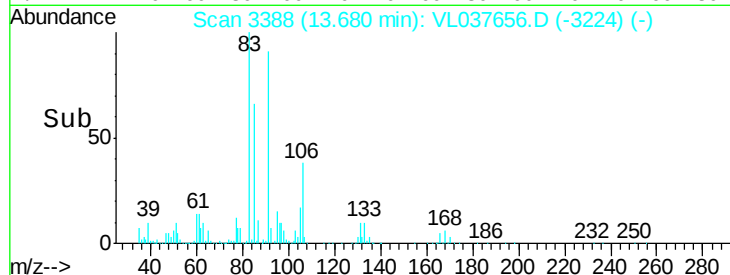
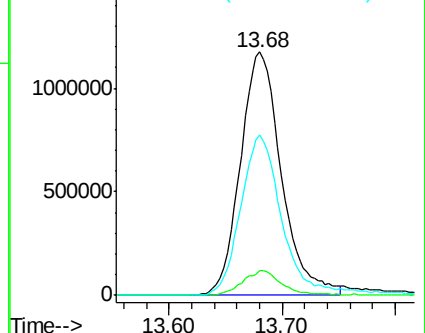
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Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.894 ppbv

RT: 15.56 min Scan# 3974

Delta R.T. 0.02 min

Lab File: VL037656.D

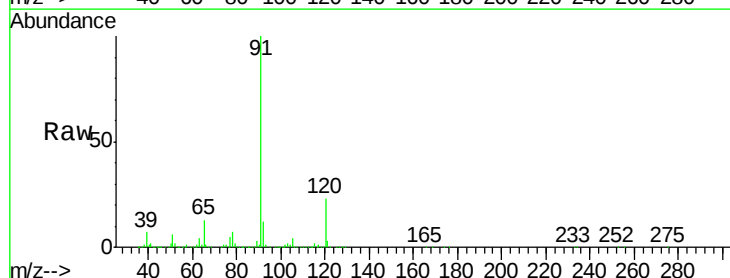
Acq: 23 Sep 2021 11:02

Tgt Ion: 120 Resp: 1532345

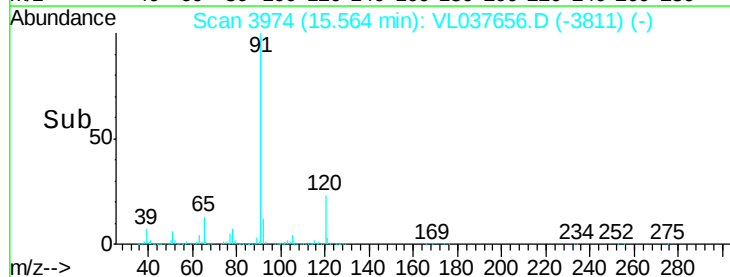
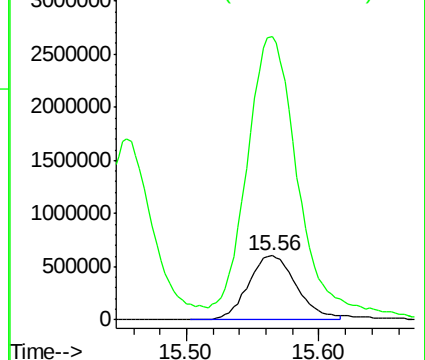
Ion Ratio Lower Upper

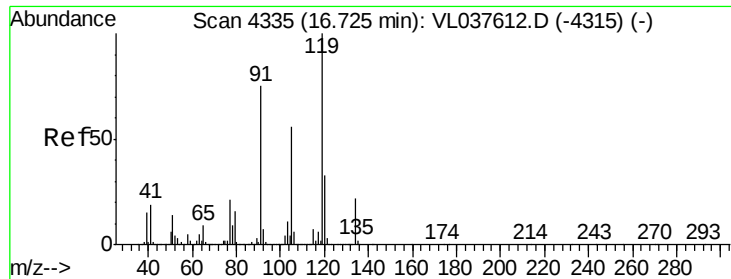
120 100

91 478.6 345.0 517.4



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





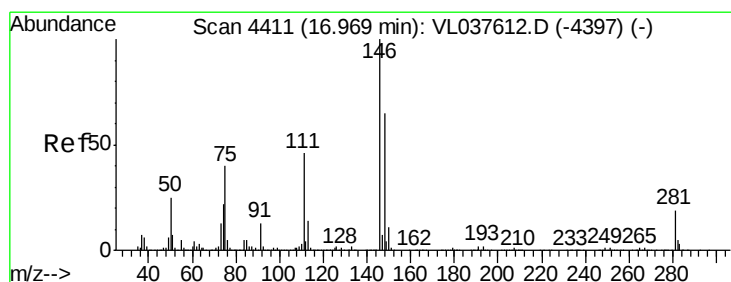
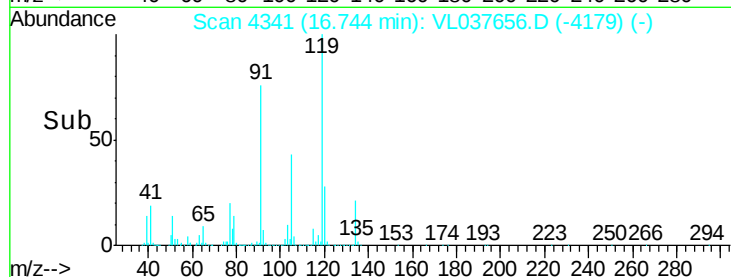
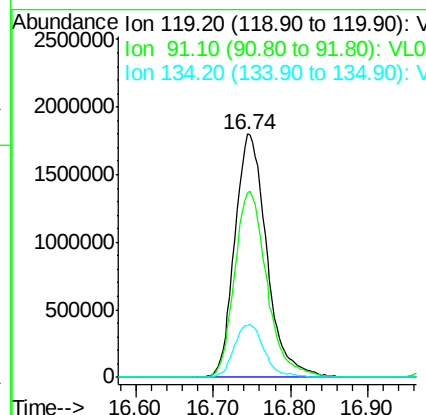
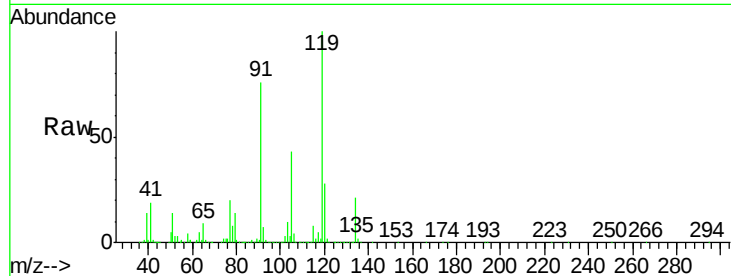
#65
tert-Butylbenzene
Concen: 8.549 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. 0.02 min
Lab File: VL037656.D
Acq: 23 Sep 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	77.1	61.9	92.9
134	20.5	16.5	24.7

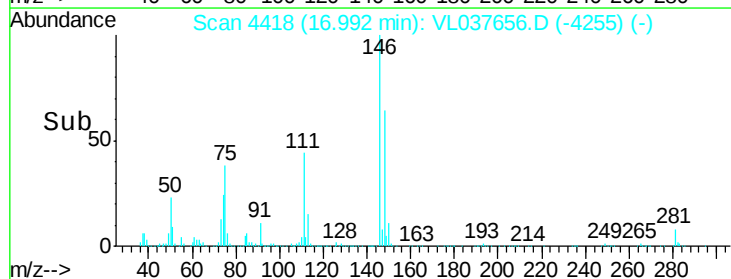
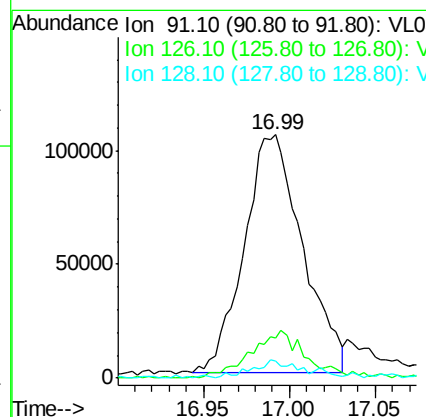
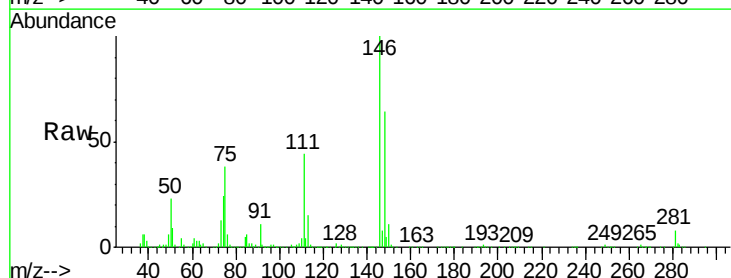
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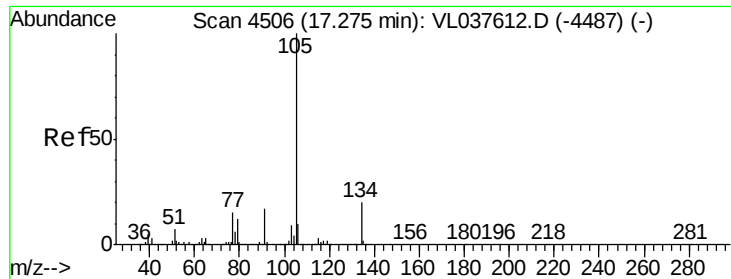
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#66
Benzyl Chloride
Concen: 7.472 ppbv
RT: 16.99 min Scan# 4418
Delta R.T. 0.02 min
Lab File: VL037656.D
Acq: 23 Sep 2021 11:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	20.1	14.4	21.6
128	7.5	5.7	8.5





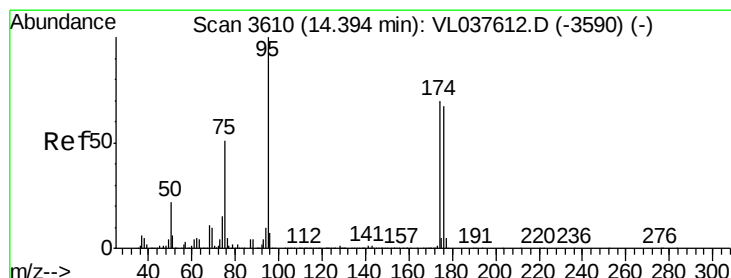
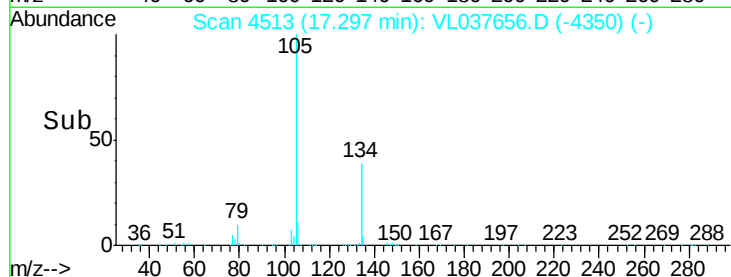
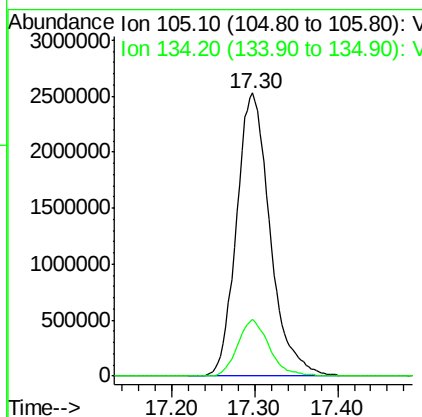
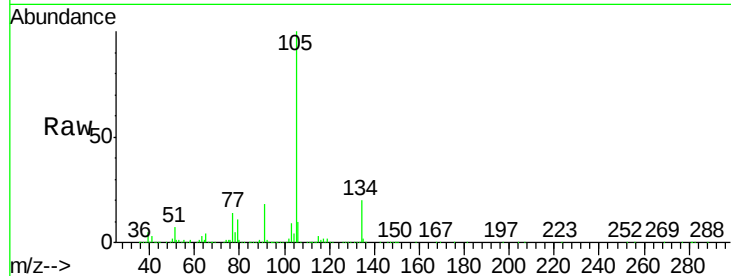
#67
 sec-Butylbenzene
 Concen: 8.702 ppbv
 RT: 17.30 min Scan# 4513
 Delta R.T. 0.02 min
 Lab File: VL037656.D
 Acq: 23 Sep 2021 11:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tgt Ion: 105 Resp: 7106678
 Ion Ratio Lower Upper
 105 100
 134 18.9 15.7 23.5

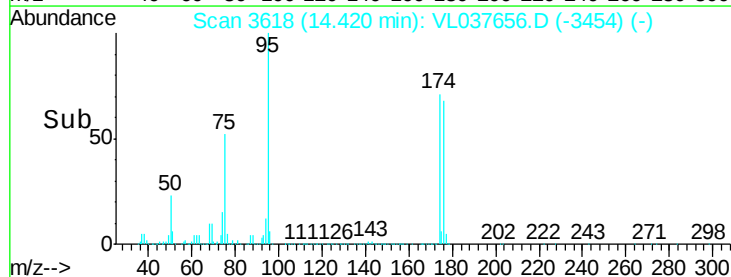
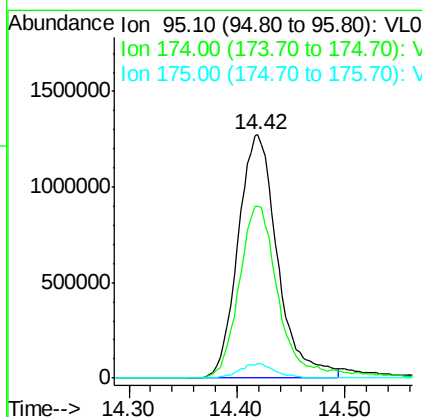
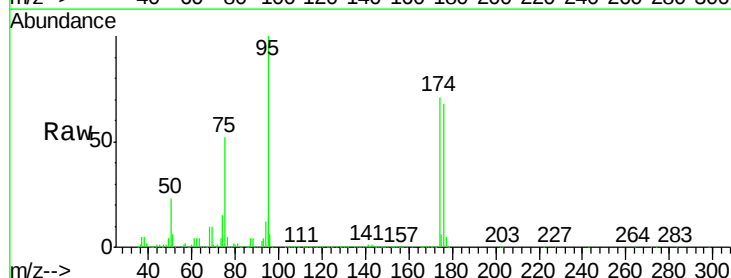
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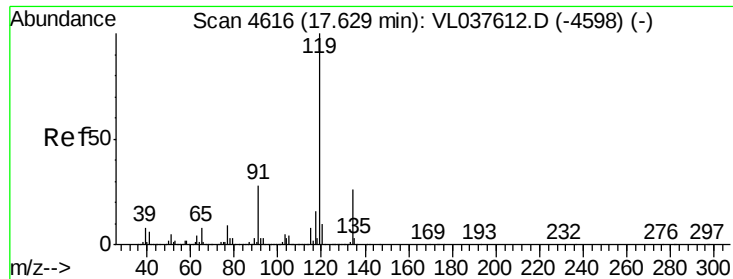
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.342 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T. 0.03 min
 Lab File: VL037656.D
 Acq: 23 Sep 2021 11:02

Tgt Ion: 95 Resp: 3244123
 Ion Ratio Lower Upper
 95 100
 174 72.7 56.3 84.5
 175 5.8 4.4 6.6





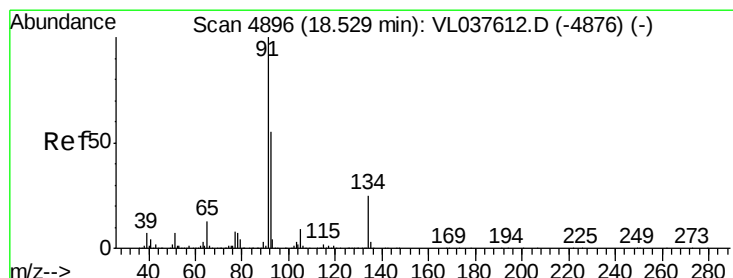
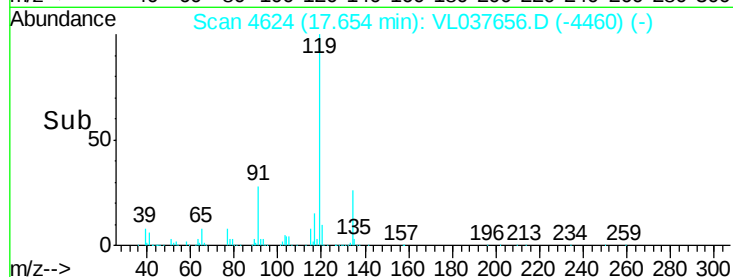
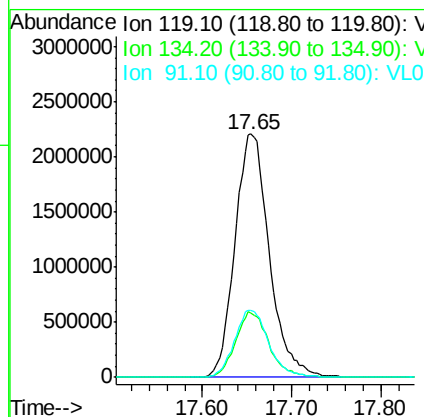
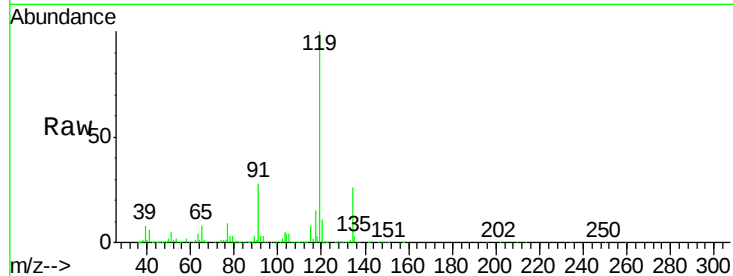
#69
p-Isopropyltoluene
Concen: 8.846 ppbv
RT: 17.65 min Scan# 4624
Delta R.T. 0.03 min
Lab File: VL037656.D
Acq: 23 Sep 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tgt Ion: 119 Resp: 5902343
Ion Ratio Lower Upper
119 100
134 26.1 21.2 31.8
91 27.5 22.2 33.2

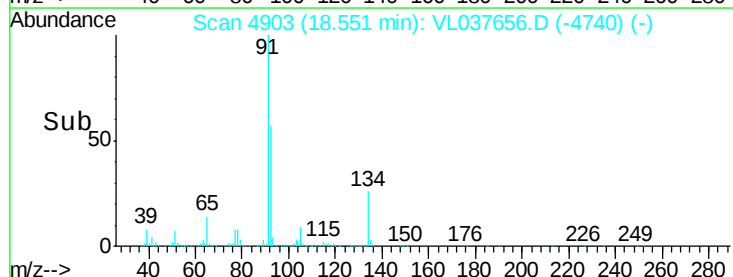
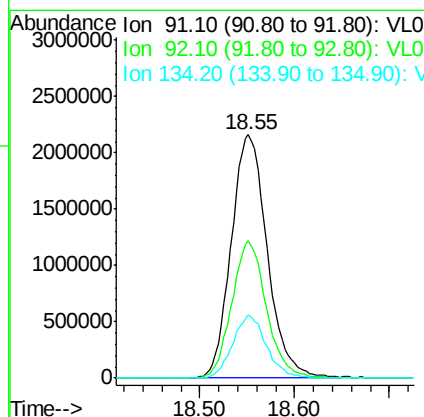
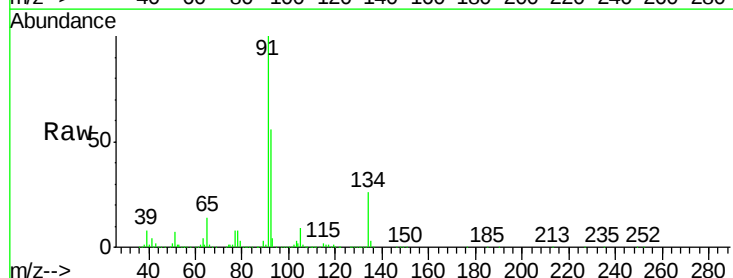
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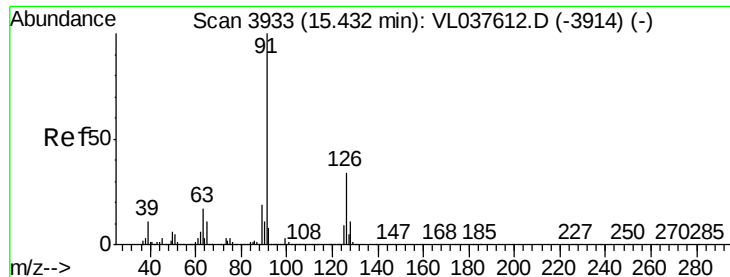
MMDadoda
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#70
n-Butylbenzene
Concen: 9.023 ppbv
RT: 18.55 min Scan# 4903
Delta R.T. 0.02 min
Lab File: VL037656.D
Acq: 23 Sep 2021 11:02

Tgt Ion: 91 Resp: 5696344
Ion Ratio Lower Upper
91 100
92 54.6 44.0 66.0
134 24.5 19.5 29.3





#71

2-Chlorotoluene

Concen: 9.019 ppbv

RT: 15.46 min Scan# 3940

Delta R.T. 0.02 min

Lab File: VL037656.D

Acq: 23 Sep 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tgt Ion: 91 Resp: 4315119

Ion Ratio Lower Upper

91 100

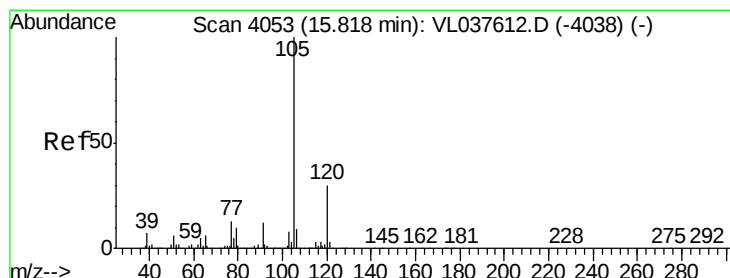
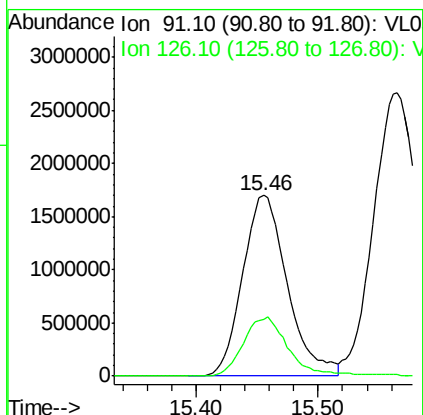
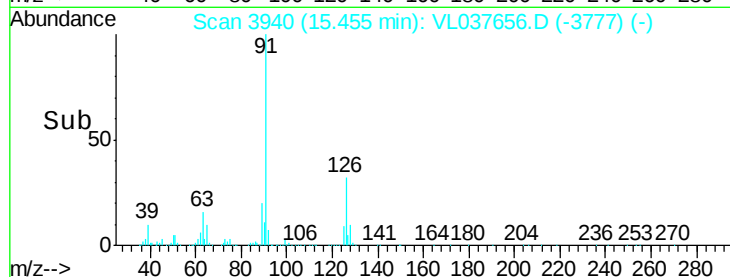
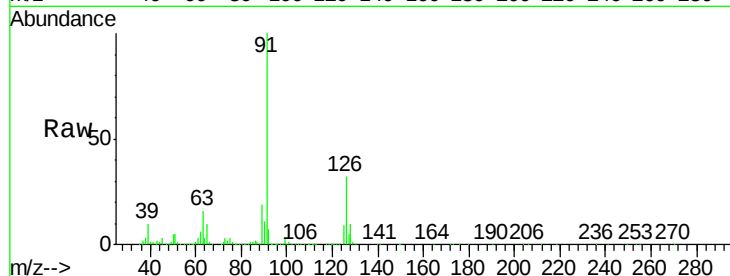
126 33.7 13.2 52.8

Manual Integrations

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#72

4-Ethyltoluene

Concen: 9.170 ppbv

RT: 15.84 min Scan# 4060

Delta R.T. 0.02 min

Lab File: VL037656.D

Acq: 23 Sep 2021 11:02

Tgt Ion: 105 Resp: 5030421

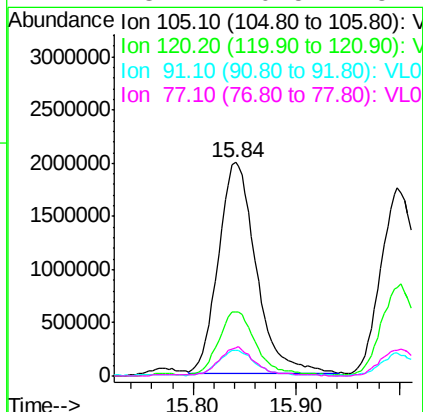
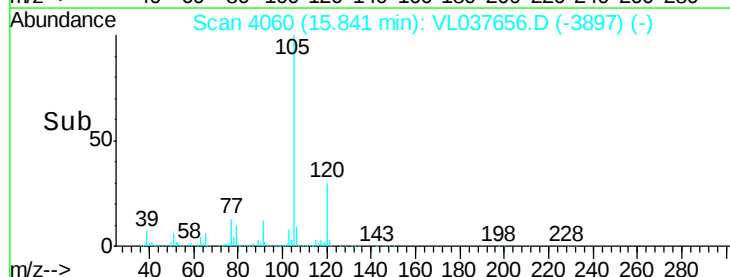
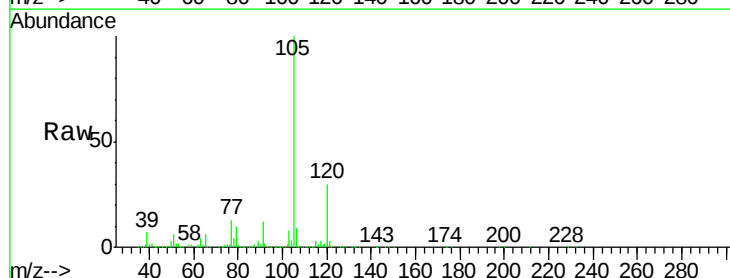
Ion Ratio Lower Upper

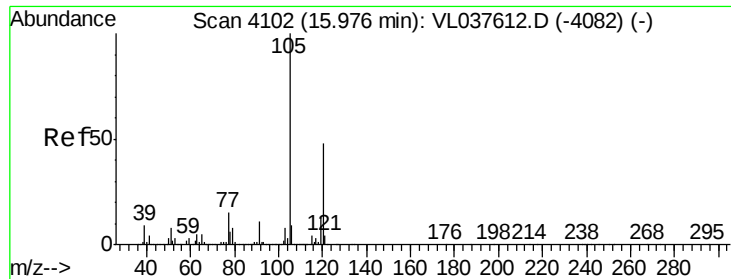
105 100

120 31.3 24.7 37.1

91 11.8 9.9 14.9

77 13.4 10.5 15.7





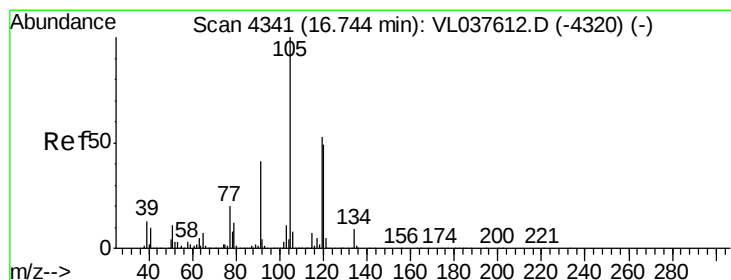
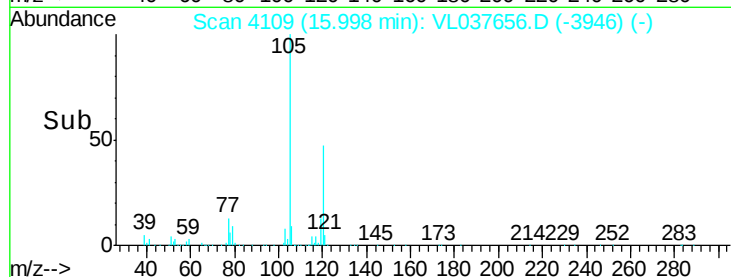
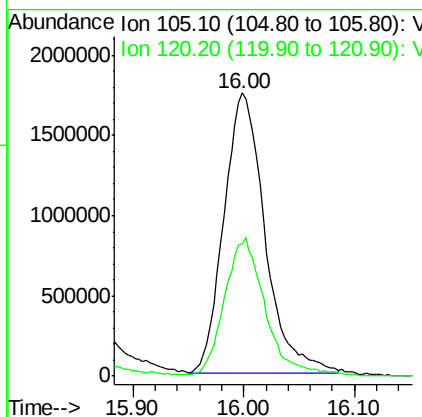
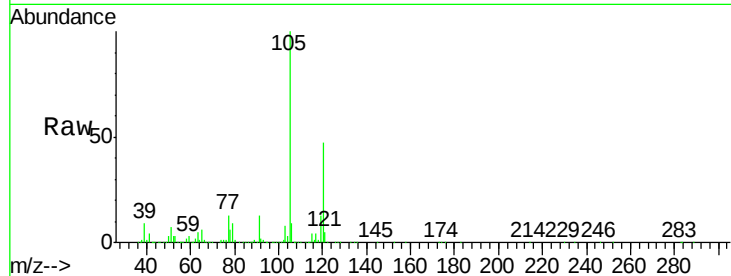
#73
 1,3,5-Trimethylbenzene
 Concen: 8.753 ppbv
 RT: 16.00 min Scan# 4109
 Delta R.T. 0.02 min
 Lab File: VL037656.D
 Acq: 23 Sep 2021 11:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tgt Ion:105 Resp: 4476022
 Ion Ratio Lower Upper
 105 100
 120 47.0 38.3 57.5

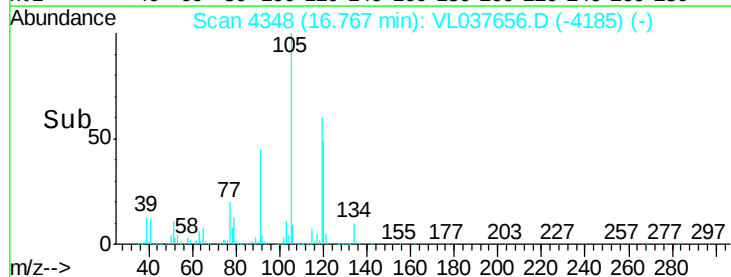
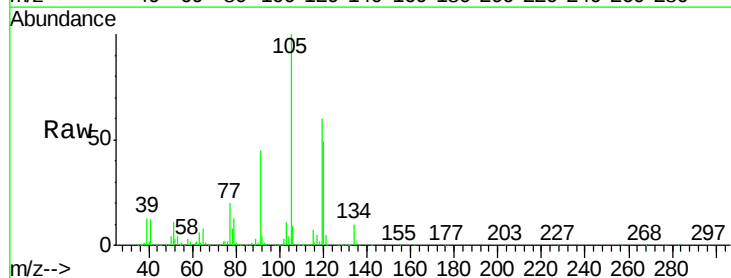
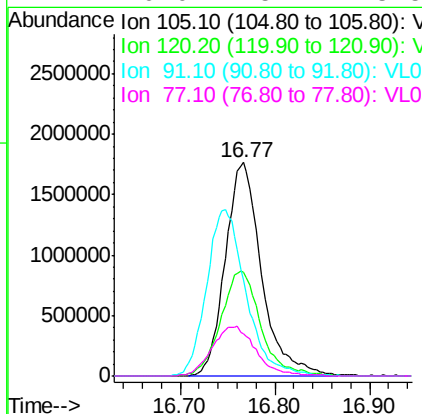
Manual Integrations
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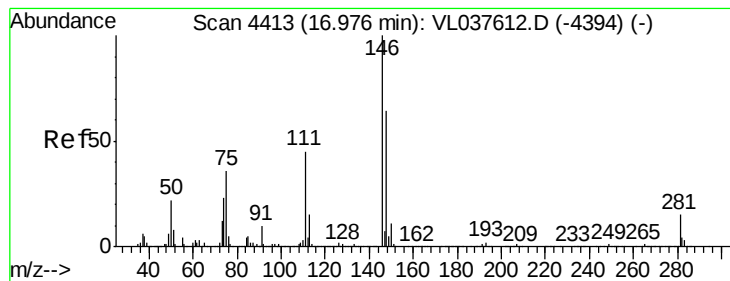
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#74
 1,2,4-Trimethylbenzene
 Concen: 8.702 ppbv
 RT: 16.77 min Scan# 4348
 Delta R.T. 0.02 min
 Lab File: VL037656.D
 Acq: 23 Sep 2021 11:02

Tgt Ion:105 Resp: 4687065
 Ion Ratio Lower Upper
 105 100
 120 48.5 39.4 59.0
 91 44.4 33.3 49.9
 77 20.0 15.7 23.5





#75

1,3-Dichlorobenzene

Concen: 8.453 ppbv

RT: 17.00 min Scan# 4420

Delta R.T. 0.02 min

Lab File: VL037656.D

Acq: 23 Sep 2021 11:02

Instrument :

MSVOA_L

ClientSampleId :

VL0923ABS01

Tgt Ion:146 Resp: 2828760

Ion Ratio Lower Upper

146 100

111 45.0 22.8 68.3

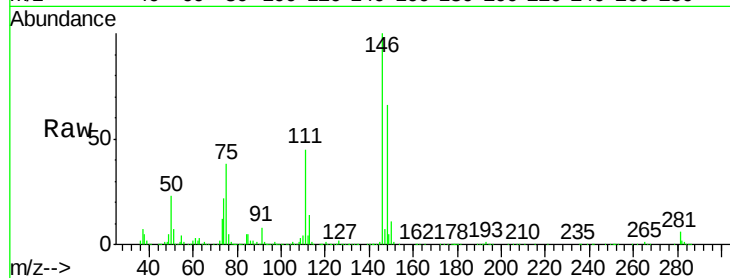
148 64.5 32.1 96.5

Manual Integrations

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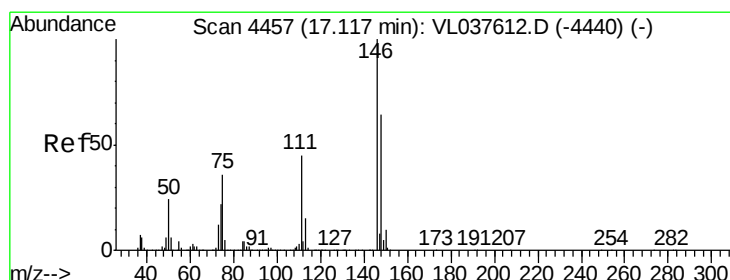
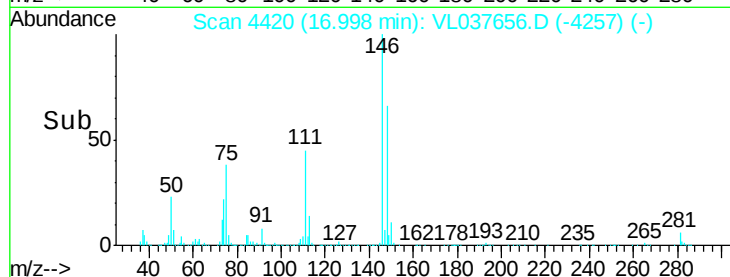
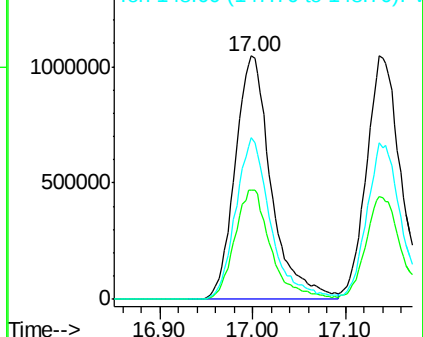
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.808 ppbv

RT: 17.14 min Scan# 4463

Delta R.T. 0.02 min

Lab File: VL037656.D

Acq: 23 Sep 2021 11:02

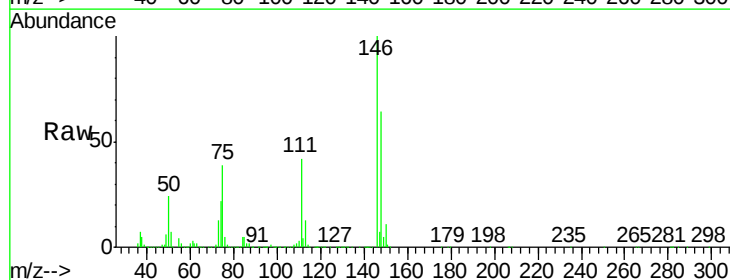
Tgt Ion:146 Resp: 2576937

Ion Ratio Lower Upper

146 100

111 47.3 22.5 67.5

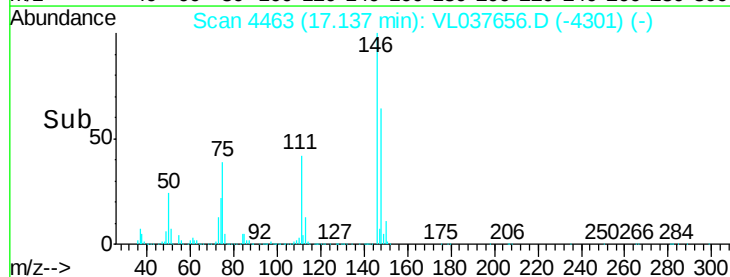
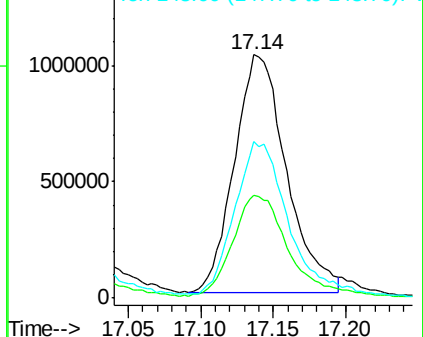
148 69.7 32.9 98.6

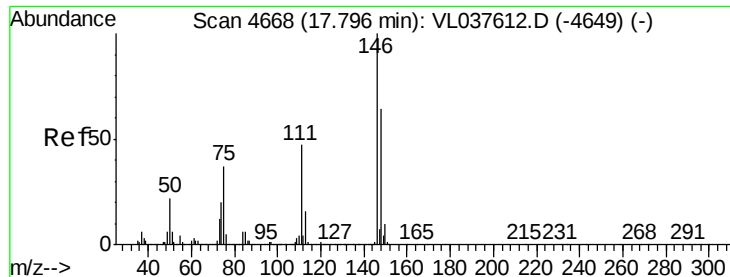


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





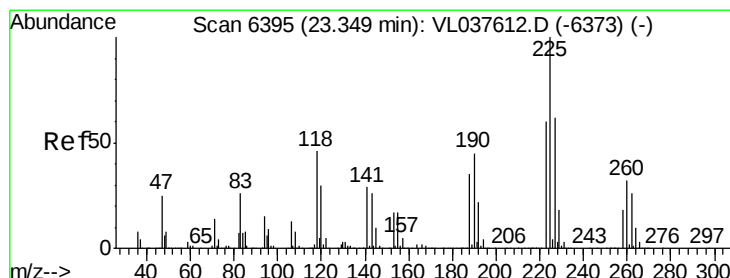
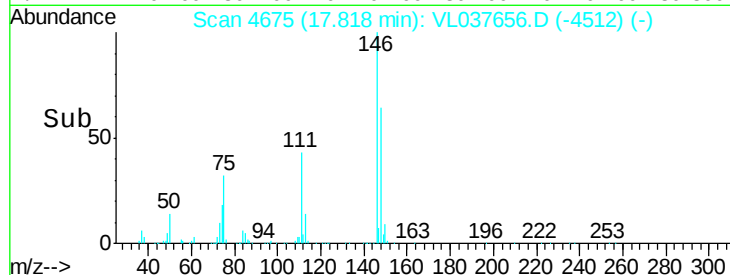
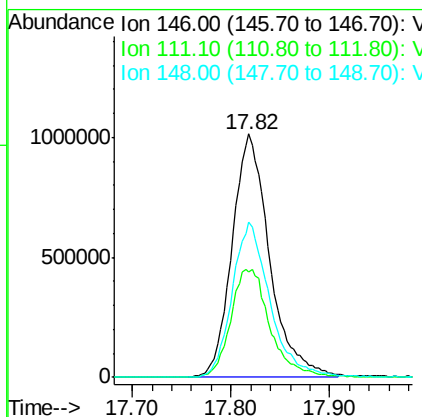
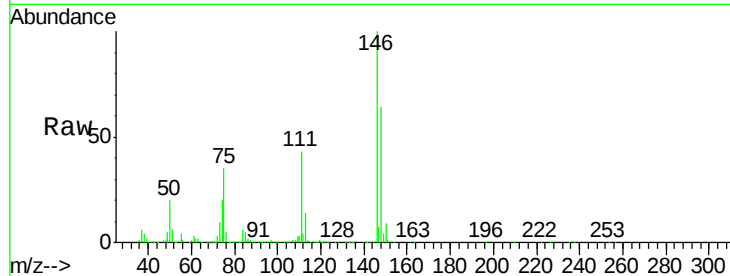
#77
 1,2-Dichlorobenzene
 Concen: 8.380 ppbv
 RT: 17.82 min Scan# 4675
 Delta R.T. 0.02 min
 Lab File: VL037656.D
 Acq: 23 Sep 2021 11:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tgt Ion:146 Resp: 2659750
 Ion Ratio Lower Upper
 146 100
 111 47.1 24.0 72.0
 148 64.5 32.8 98.3

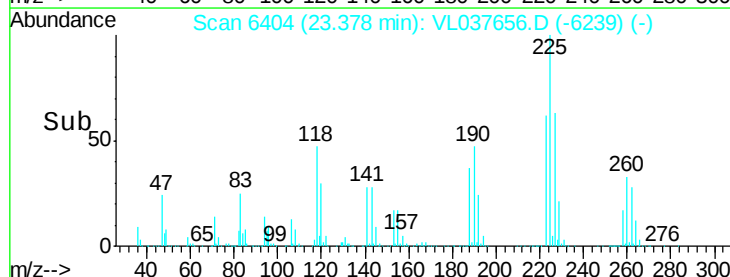
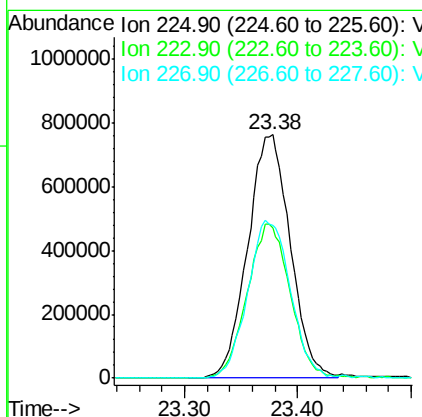
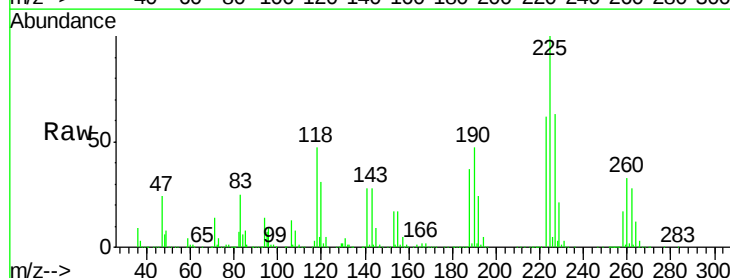
Manual Integrations
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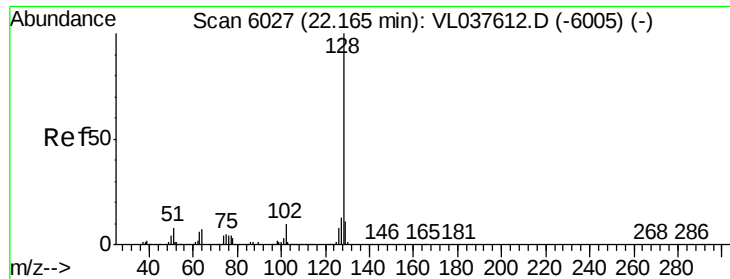
MMDadoda
 9/27/2021 10:56:24 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.467 ppbv
 RT: 23.38 min Scan# 6404
 Delta R.T. 0.03 min
 Lab File: VL037656.D
 Acq: 23 Sep 2021 11:02

Tgt Ion:225 Resp: 1994622
 Ion Ratio Lower Upper
 225 100
 223 64.0 51.1 76.7
 227 65.7 52.2 78.4





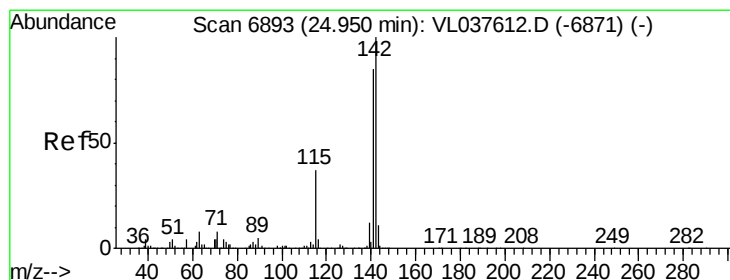
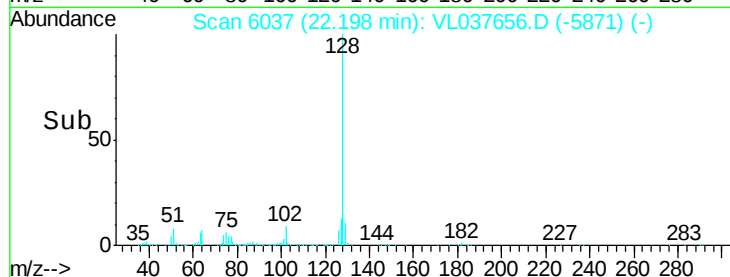
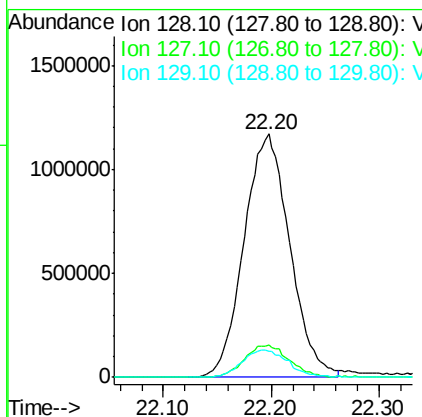
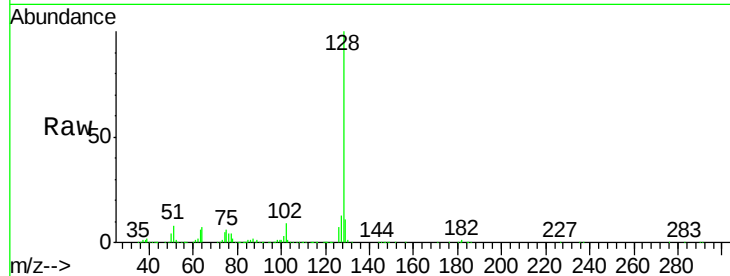
#79
Naphthalene
Concen: 10.423 ppbv
RT: 22.20 min Scan# 6037
Delta R.T. 0.03 min
Lab File: VL037656.D
Acq: 23 Sep 2021 11:02

Instrument :
MSVOA_L
ClientSampleId :
VL0923ABS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	10.7	8.6	12.8

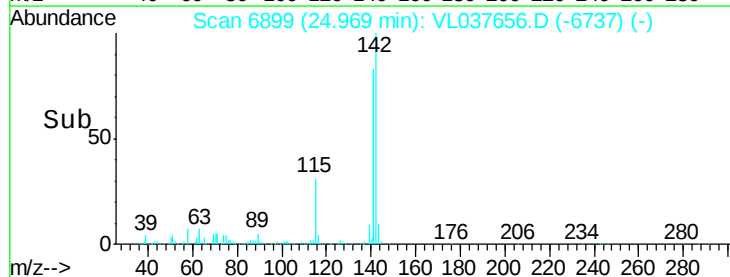
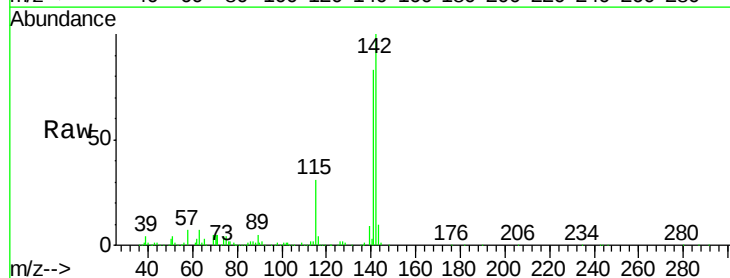
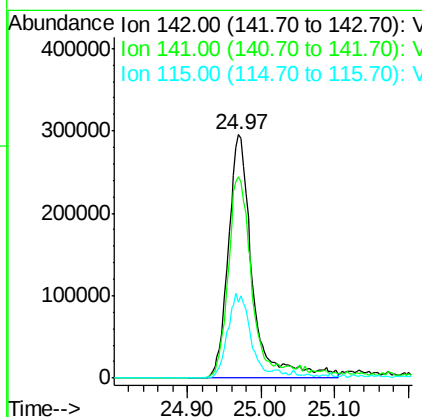
Manual Integrations
APPROVED

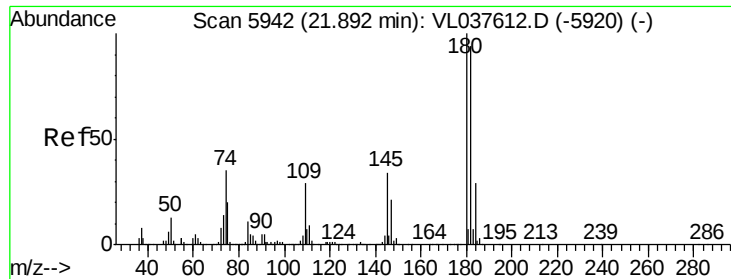
MMDadoda
9/27/2021 10:56:24 AM



#80
Naphthalene, 2-methyl-
Concen: 8.877 ppbv
RT: 24.97 min Scan# 6899
Delta R.T. 0.02 min
Lab File: VL037656.D
Acq: 23 Sep 2021 11:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.2	70.9	106.3
115	35.5	29.6	44.4





#81
 1,2,4-Trichlorobenzene
 Concen: 9.705 ppbv
 RT: 21.93 min Scan# 5953
 Delta R.T. 0.04 min
 Lab File: VL037656.D
 Acq: 23 Sep 2021 11:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0923ABS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.7	78.9	118.3
184	30.8	24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 10:56:24 AM

