

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080621\
 Data File : VL037347.D
 Acq On : 6 Aug 2021 15:47
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
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 8/10/2021 6:09:37 PM

Quant Time: Aug 06 17:49:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 06 2021
 QLast Update : Fri Aug 06 17:29:12 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	940304	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3188419	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2722753m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1958361	10.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	2665536	12.512	ppbv 99
3) Chlorodifluoromethane	2.99	51	2702446	14.411	ppbv 99
4) Chloromethane	3.14	50	958049	14.948	ppbv 98
5) Vinyl Chloride	3.25	62	1068332	13.805	ppbv 97
6) Bromomethane	3.47	94	588979	15.258	ppbv 93
7) Chloroethane	3.55	64	377274	14.549	ppbv 99
8) Dichlorotetrafluoroethane	3.18	85	2676405	14.634	ppbv 98
9) Propene	3.01	41	923579	14.675	ppbv 100
10) Heptane	8.12	43	2262539	15.469	ppbv 98
11) Trichlorofluoromethane	3.94	101	2623812	14.363	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1939927	14.284	ppbv 99
13) Ethanol	3.61	45	131019	11.288	ppbv 98
14) Bromoethene	3.74	108	898292	15.546	ppbv 98
15) Acetone	3.84	43	1230432	12.557	ppbv 99
16) 1,3-Butadiene	3.32	39	970574	14.736	ppbv 99
17) tert-Butyl alcohol	4.28	59	1497653	14.359	ppbv 99
18) 1,1-Dichloroethene	4.28	96	903700	15.293	ppbv 96
19) Isopropyl Alcohol	3.96	45	822229	13.864	ppbv 99
20) Methylene Chloride	4.34	84	763787	9.216	ppbv 98
21) Allyl Chloride	4.41	41	1168591	14.423	ppbv 97
22) trans-1,2-Dichloroethene	4.88	96	886532	15.413	ppbv 98
23) Vinyl Acetate	5.07	43	2323177	17.083	ppbv 98
24) 1,1-Dichloroethane	5.01	63	1723690	14.729	ppbv 100
25) Ethyl Acetate	5.67	43	3491443	14.405	ppbv 99
26) Hexane	5.68	57	1792250	13.087	ppbv 98
27) Carbon Disulfide	4.54	76	2091653	17.592	ppbv 100
28) Methyl tert-Butyl Ether	5.03	73	2051114	15.037	ppbv 99
29) Chloroform	5.74	83	2752826	14.983	ppbv 99
30) Cyclohexane	7.12	84	1608829	15.063	ppbv 98
31) cis-1,2-Dichloroethene	5.54	61	1731727	16.020	ppbv 97
32) 1,1,1-Trichloroethane	6.50	97	2847589	14.619	ppbv 99
34) 2-Butanone	5.24	43	1577049	14.731	ppbv 99
35) Carbon Tetrachloride	7.01	117	3033056	15.201	ppbv 99
36) Benzene	6.88	78	3779688	15.467	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1962954	15.360	ppbv 99
38) Trichloroethene	7.83	130	1617133	13.506	ppbv 97
39) 1,2-Dichloropropane	7.61	63	1418243	15.928	ppbv 97
40) 1,4-Dioxane	7.83	88	324581	12.297	ppbv # 100
41) Tetrahydrofuran	6.04	42	858557	16.302	ppbv 97
42) Bromodichloromethane	7.78	83	2960206	16.111	ppbv 99
43) Methyl Methacrylate	8.01	69	1334547	16.783	ppbv 98

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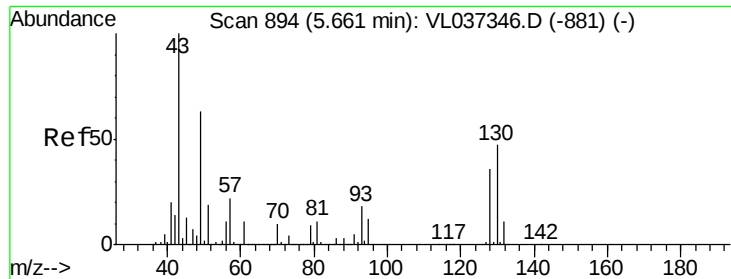
Manual Integrations
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Quant Time: Aug 06 17:49:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	6033324	14.765	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1045496	20.276	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1364215	18.591	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1557912	15.146	ppbv	98
48) Dibromochloromethane	10.29	129	2679014	16.866	ppbv	96
49) Bromoform	13.03	173	1994980	17.164	ppbv	89
50) 4-Methyl-2-Pentanone	8.74	43	2341967	15.952	ppbv	99
51) 2-Hexanone	10.13	43	1243426	16.903	ppbv #	98
52) Tetrachloroethene	11.21	164	1547118	13.275	ppbv	99
53) Toluene	9.80	91	4465916	15.678	ppbv	99
54) 1,2-Dibromoethane	10.60	107	2236249	15.738	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1760840	15.580	ppbv #	64
57) Chlorobenzene	12.14	112	3234951	15.469	ppbv	99
58) Ethyl Benzene	12.70	91	5525383	15.848	ppbv	99
59) m/p-Xylene	12.99	91	9717851m	31.972	ppbv	
60) o-Xylene	13.68	91	4119586	14.655	ppbv	91
61) Styrene	13.52	104	2406545	16.656	ppbv	96
62) Isopropylbenzene	14.66	105	6309538	15.236	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	3032406	13.651	ppbv	97
64) n-propylbenzene	15.55	120	1681516	16.030	ppbv	87
65) tert-Butylbenzene	16.74	119	5866470	15.447	ppbv	100
66) Benzyl Chloride	16.98	91	290991	19.231	ppbv	96
67) sec-Butylbenzene	17.28	105	7906116	15.731	ppbv	99
69) p-Isopropyltoluene	17.64	119	6959933	16.039	ppbv	99
70) n-Butylbenzene	18.54	91	6594106	17.039	ppbv	99
71) 2-Chlorotoluene	15.44	91	4332881	15.618	ppbv	94
72) 4-Ethyltoluene	15.83	105	5463964	16.449	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	5144282	16.383	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	5254084	15.939	ppbv	99
75) 1,3-Dichlorobenzene	16.99	146	3394542	16.268	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	3416316	16.696	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	3305765	16.324	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2383225	14.861	ppbv	100
79) Naphthalene	22.18	128	4759364	20.477	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	1198896	28.472	ppbv	95
81) 1,2,4-Trichlorobenzene	21.91	180	2781502	18.449	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

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Instrument :

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ClientSampleId :

VSTDIC015

Tot Ion: 49 Resp: 940304

Ion Ratio Lower Upper

49 100

128 66.3 32.1 96.3

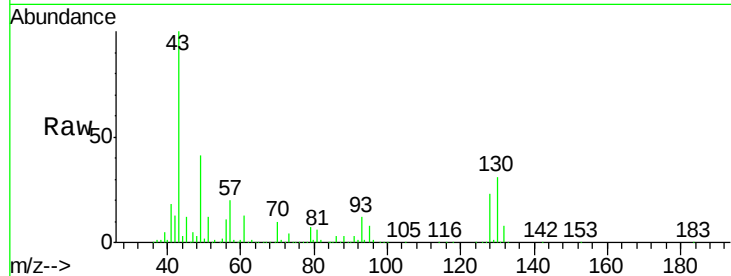
130 79.4 40.0 120.0

Manual Integrations

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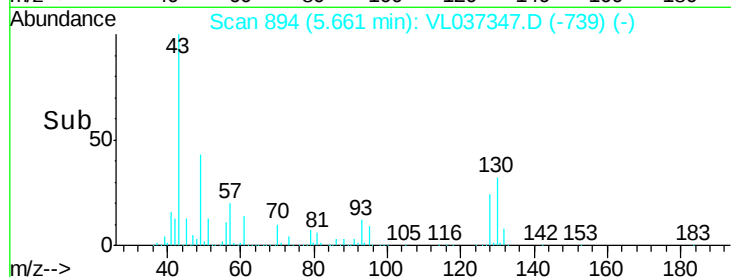
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 12.512 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL037347.D

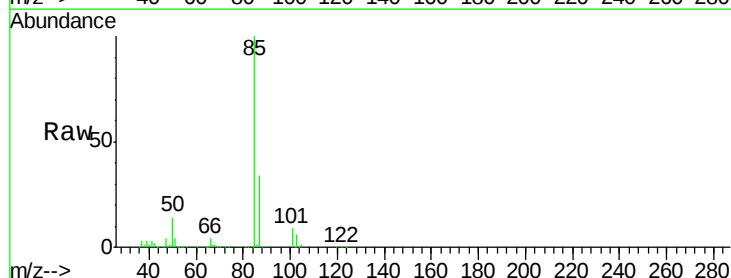
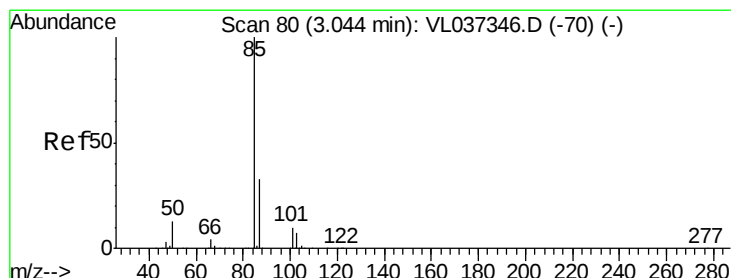
Acq: 6 Aug 2021 15:47

Tgt Ion: 85 Resp: 2665536

Ion Ratio Lower Upper

85 100

87 33.8 26.4 39.6

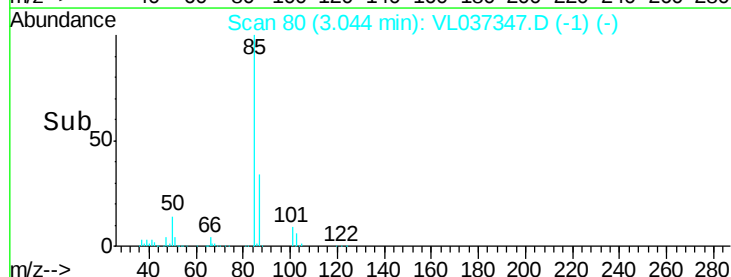


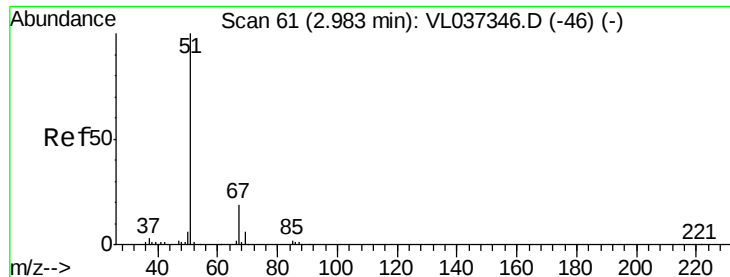
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.04

Time-->





#3

Chlorodifluoromethane

Concen: 14.411 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL037347.D

Acq: 6 Aug 2021 15:47

Tot Ion: 51 Resp: 2702446

Ion Ratio Lower Upper

51 100

67 18.9 15.6 23.4

Instrument :

MSVOA_L

ClientSampleId :

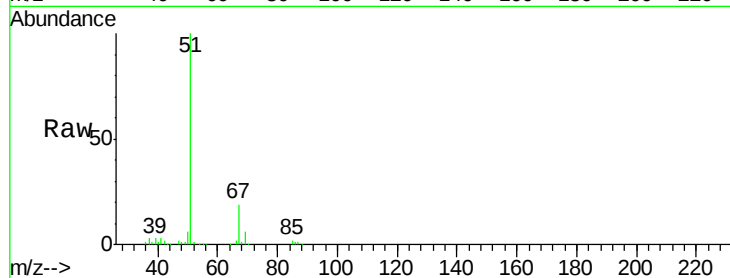
VSTDIC015

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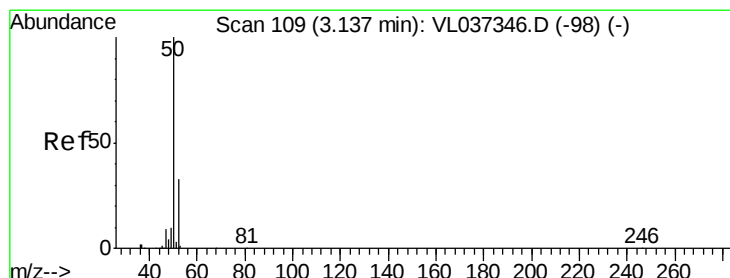
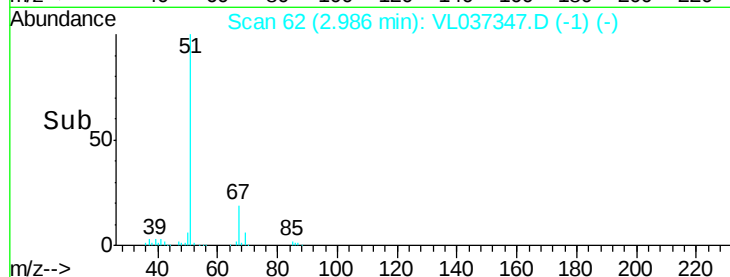
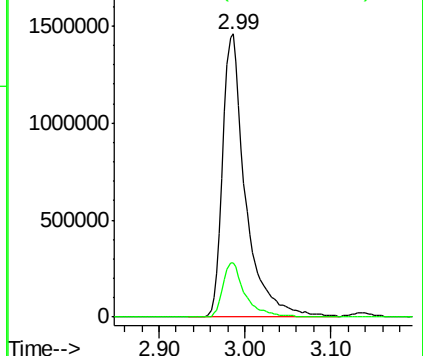
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 14.948 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL037347.D

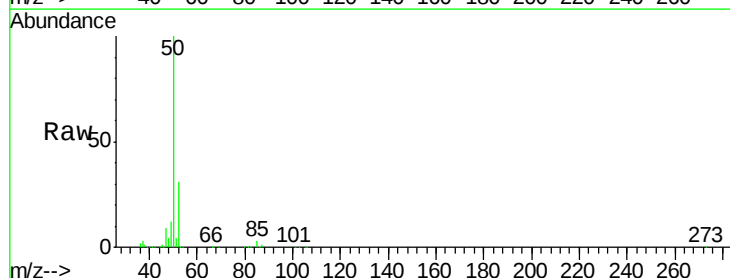
Acq: 6 Aug 2021 15:47

Tgt Ion: 50 Resp: 958049

Ion Ratio Lower Upper

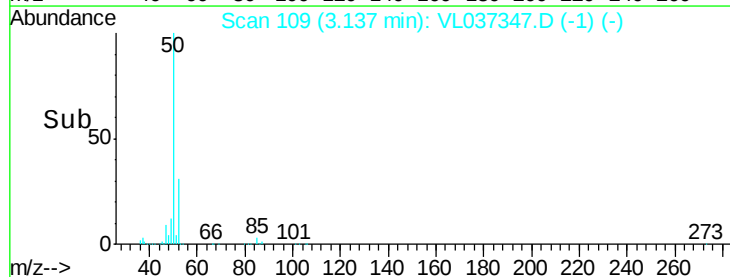
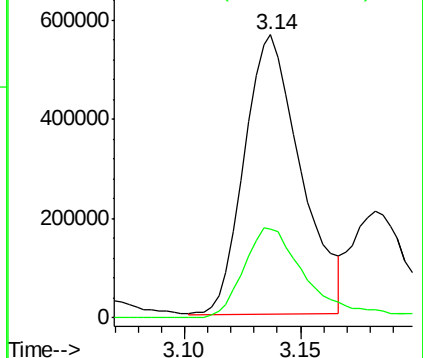
50 100

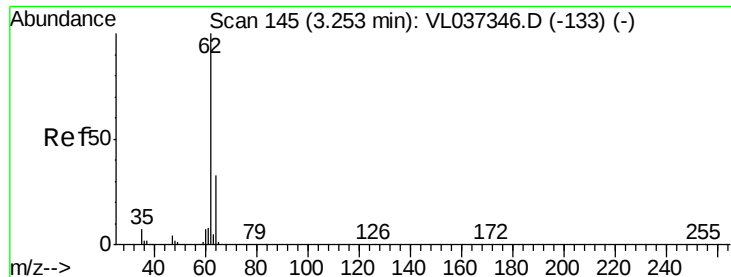
52 31.7 26.3 39.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 13.805 ppbv

RT: 3.25 min Scan# 145

Delta R.T. -0.00 min

Lab File: VL037347.D

Acq: 6 Aug 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 62 Resp: 1068332

Ion Ratio Lower Upper

62 100

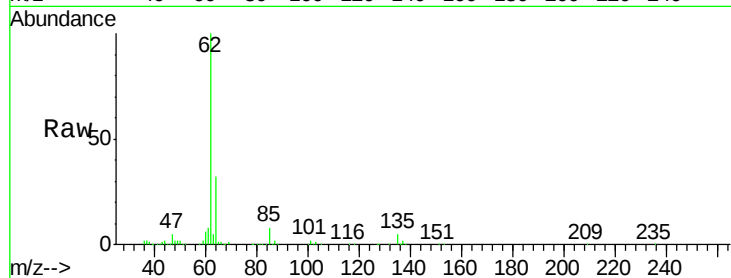
64 31.6 26.4 39.6

Manual Integrations

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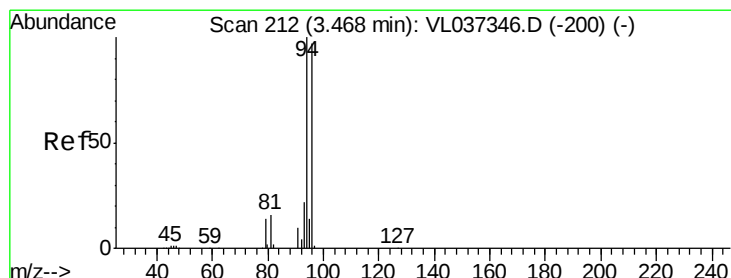
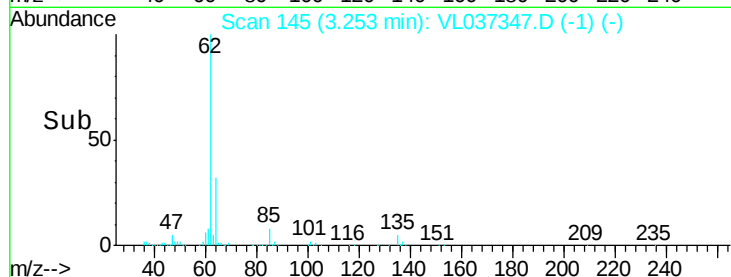
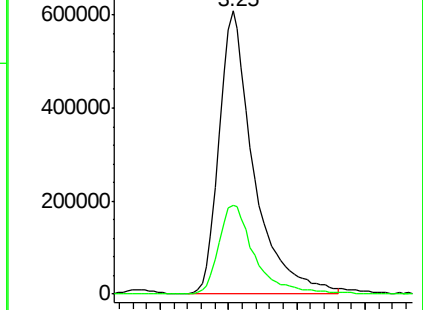
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 15.258 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.00 min

Lab File: VL037347.D

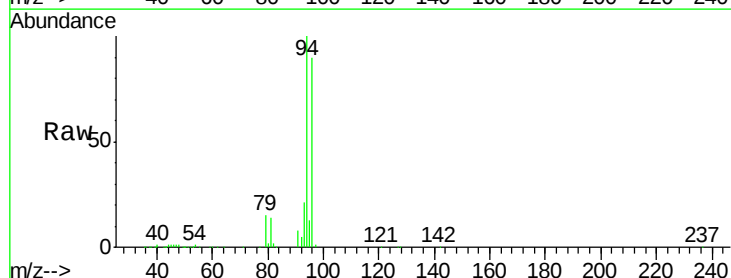
Acq: 6 Aug 2021 15:47

Tgt Ion: 94 Resp: 588979

Ion Ratio Lower Upper

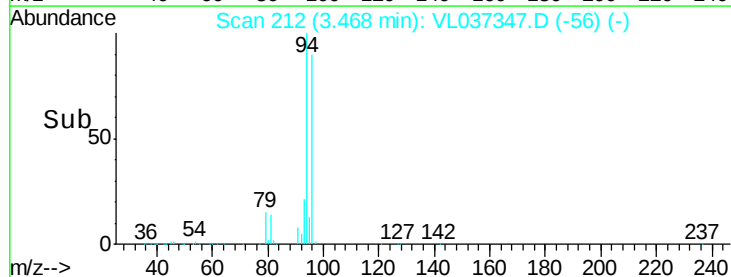
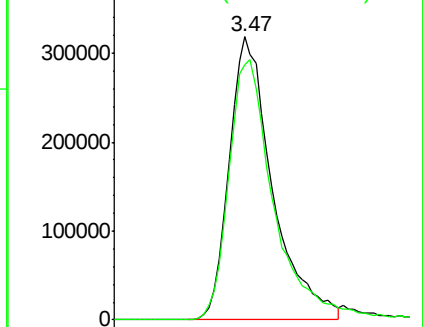
94 100

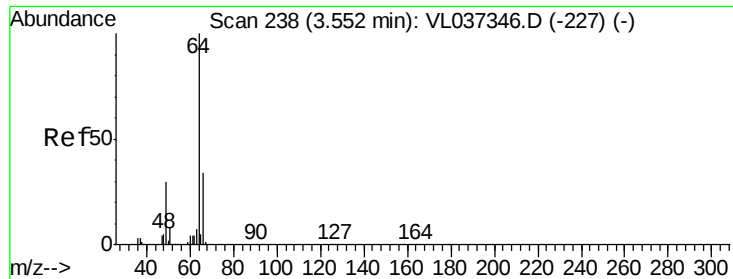
96 90.2 77.4 116.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 14.549 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL037347.D

Acq: 6 Aug 2021 15:47

Instrument :

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ClientSampleId :

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Tot Ion: 64 Resp: 377274

Ion Ratio Lower Upper

64 100

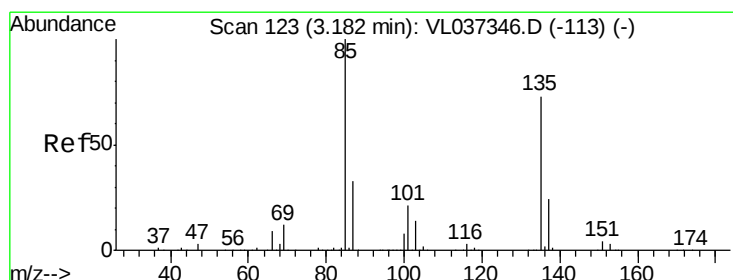
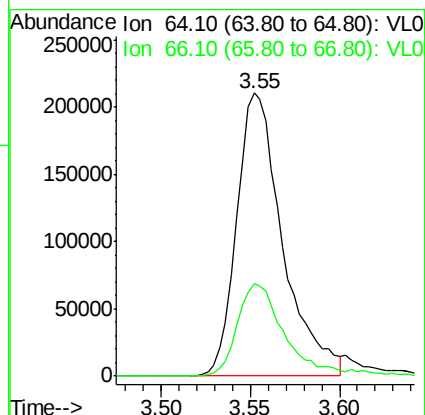
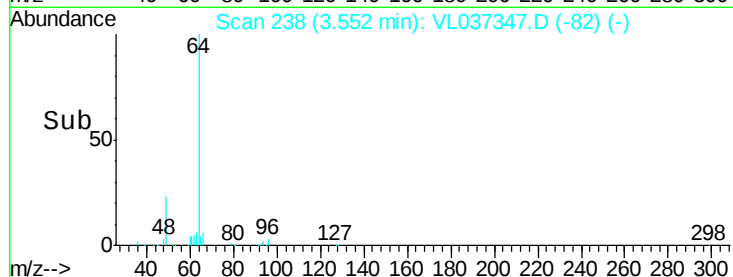
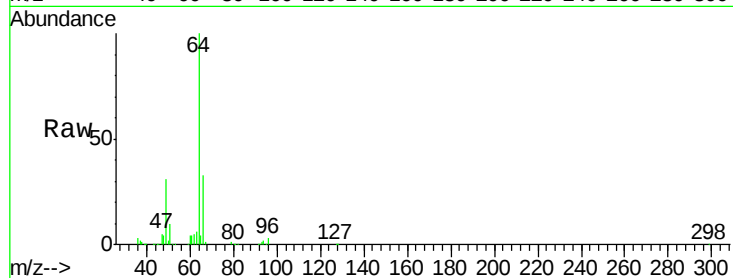
66 32.7 26.8 40.2

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 14.634 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL037347.D

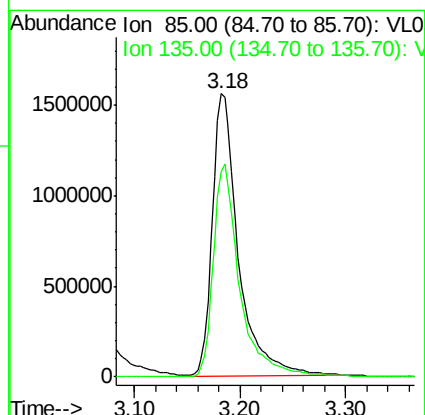
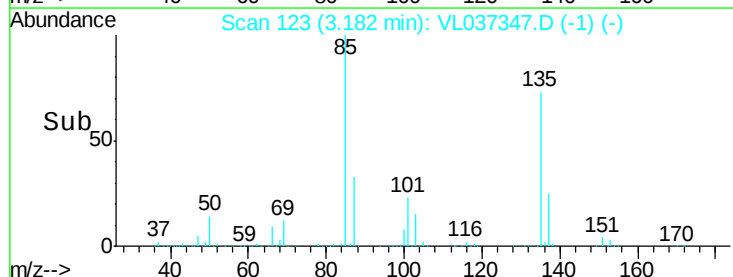
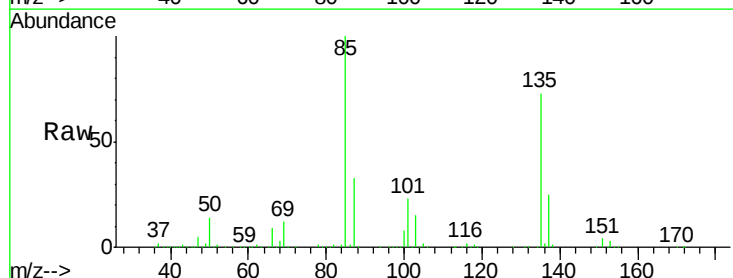
Acq: 6 Aug 2021 15:47

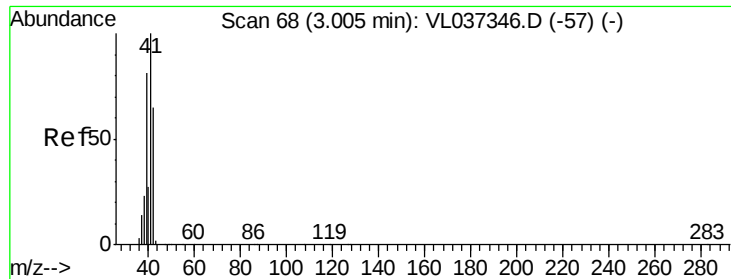
Tgt Ion: 85 Resp: 2676405

Ion Ratio Lower Upper

85 100

135 77.2 63.2 94.8





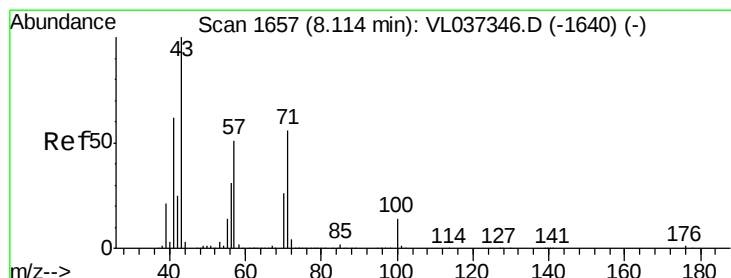
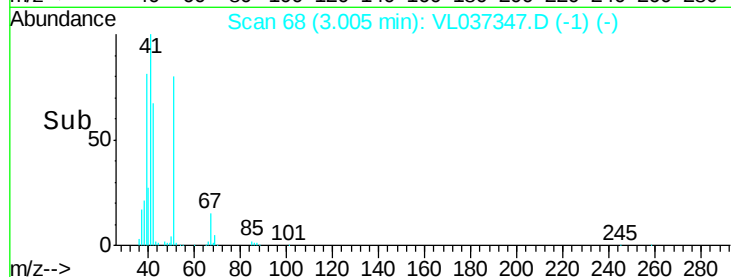
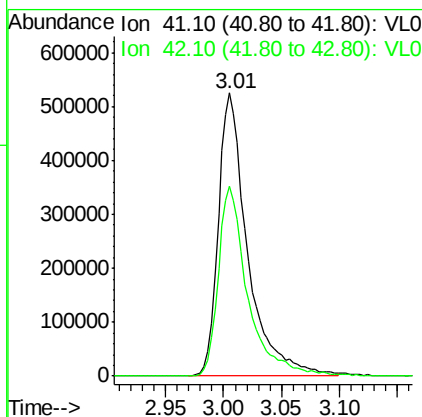
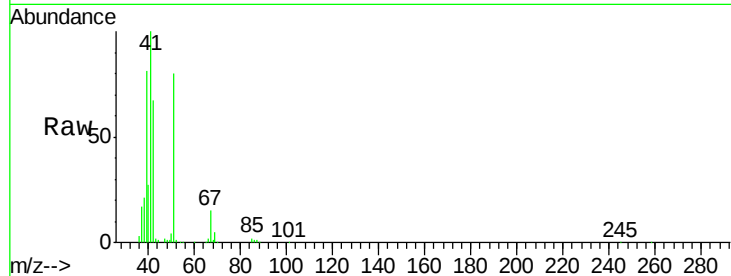
#9
 Propene
 Concen: 14.675 ppbv
 RT: 3.01 min Scan# 68
 Delta R.T. -0.00 min
 Lab File: VL037347.D
 Acq: 6 Aug 2021 15:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 41 Resp: 923579
 Ion Ratio Lower Upper
 41 100
 42 67.8 54.3 81.5

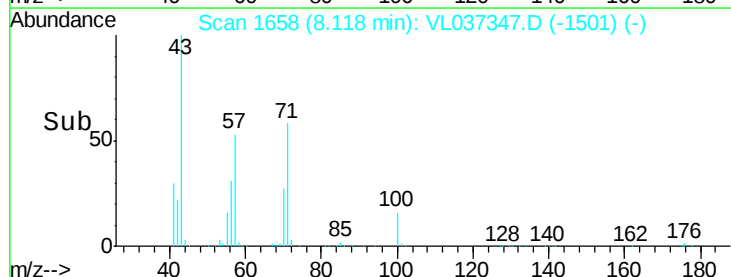
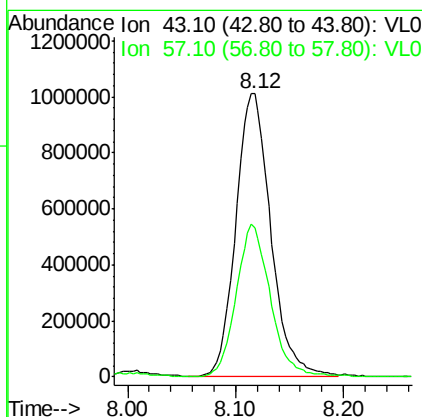
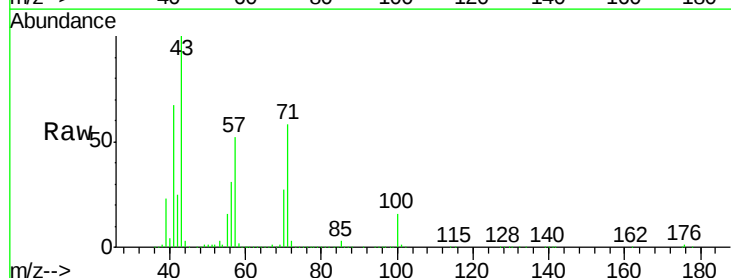
Manual Integrations
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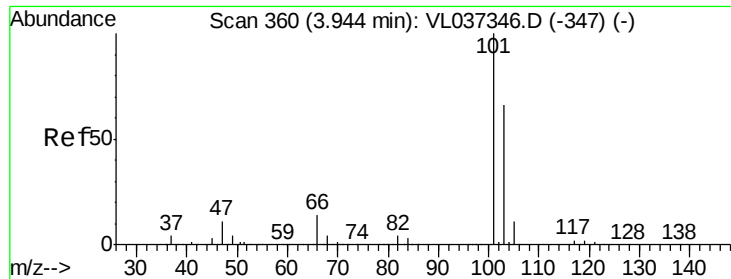
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#10
 Heptane
 Concen: 15.469 ppbv
 RT: 8.12 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VL037347.D
 Acq: 6 Aug 2021 15:47

Tgt Ion: 43 Resp: 2262539
 Ion Ratio Lower Upper
 43 100
 57 53.4 41.6 62.4





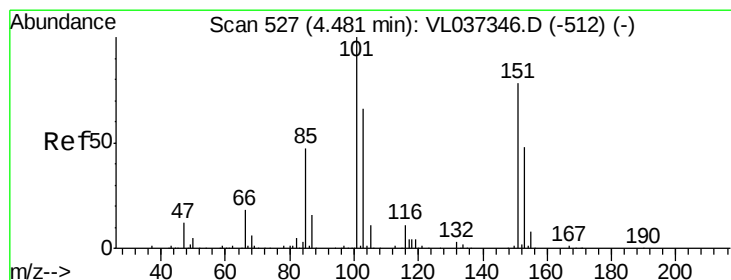
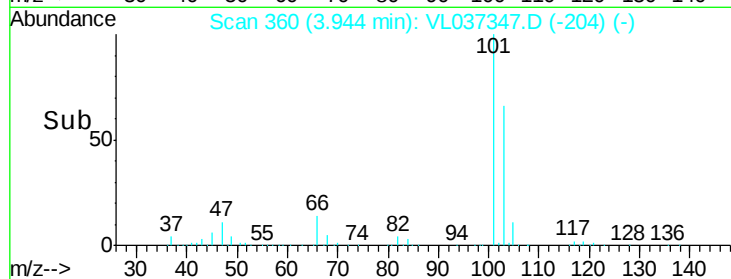
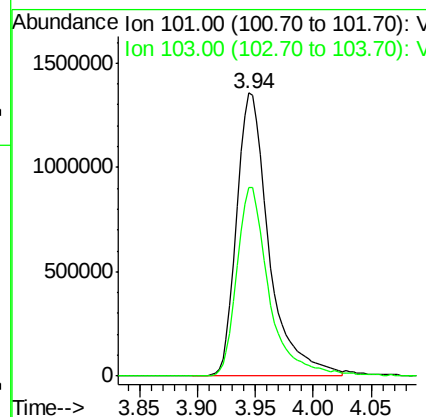
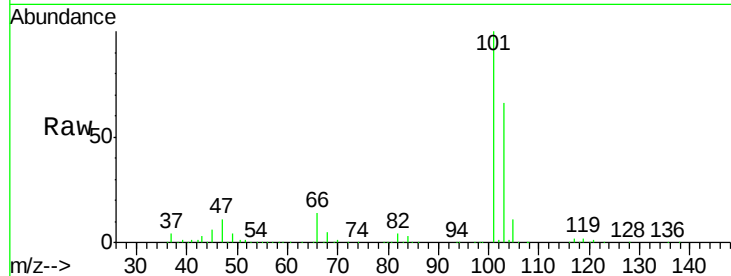
#11
 Trichlorofluoromethane
 Concen: 14.363 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.00 min
 Lab File: VL037347.D
 Acq: 6 Aug 2021 15:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:101 Resp: 2623812
 Ion Ratio Lower Upper
 101 100
 103 66.5 52.5 78.7

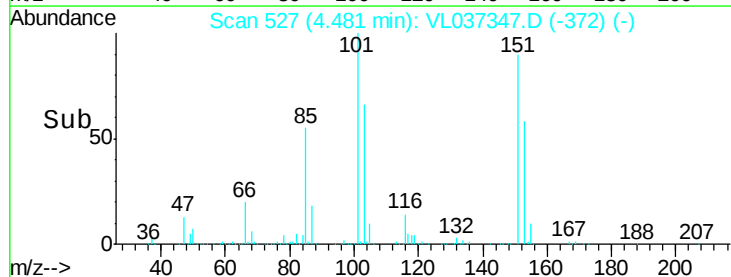
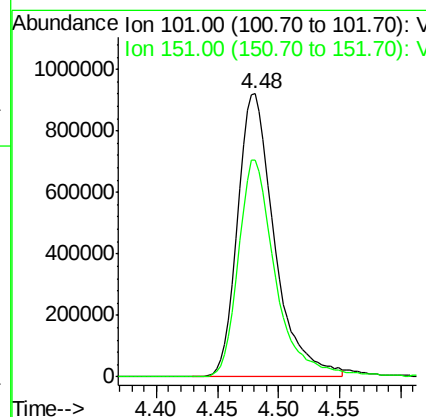
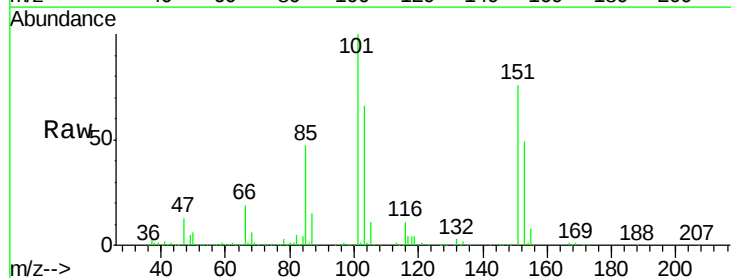
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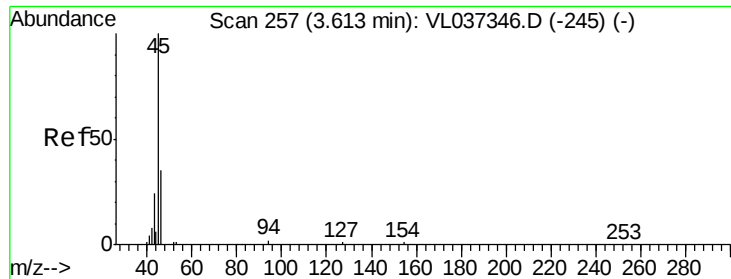
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 14.284 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL037347.D
 Acq: 6 Aug 2021 15:47

Tgt Ion:101 Resp: 1939927
 Ion Ratio Lower Upper
 101 100
 151 77.4 62.4 93.6





#13

Ethanol

Concen: 11.288 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.01 min

Lab File: VL037347.D

Acq: 6 Aug 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 45 Resp: 131019

Ion Ratio Lower Upper

45 100

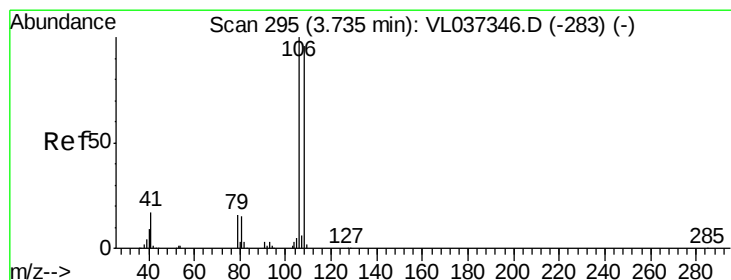
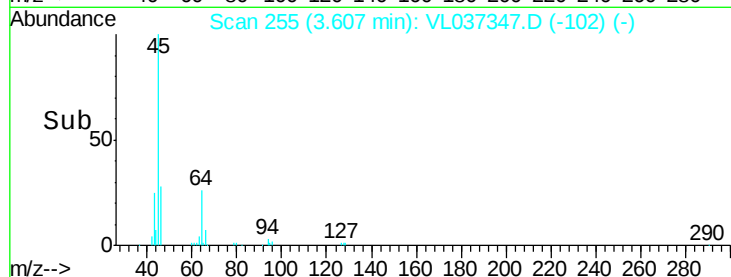
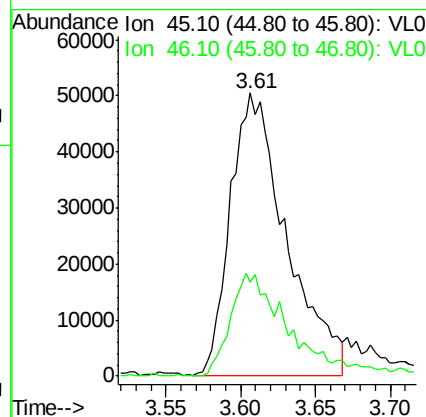
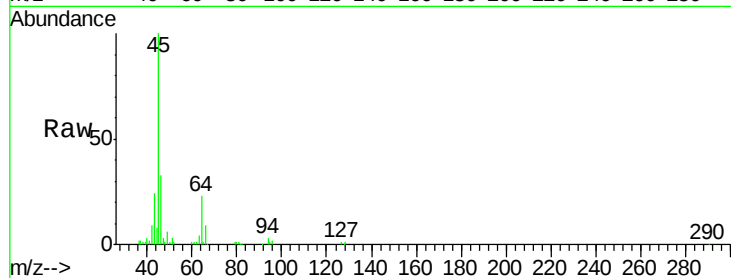
46 38.2 15.7 62.9

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#14

Bromoethene

Concen: 15.546 ppbv

RT: 3.74 min Scan# 295

Delta R.T. -0.00 min

Lab File: VL037347.D

Acq: 6 Aug 2021 15:47

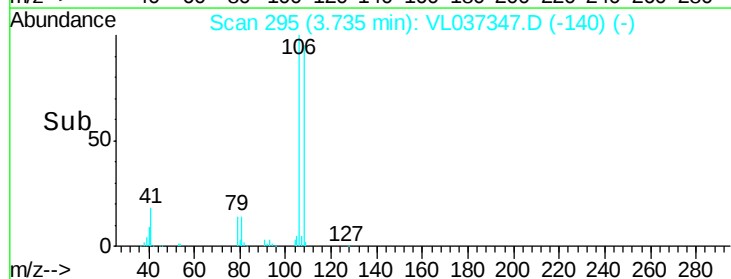
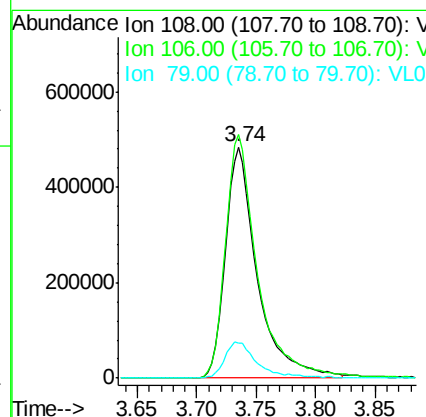
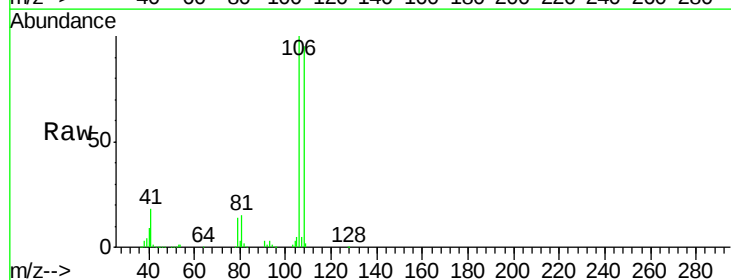
Tgt Ion: 108 Resp: 898292

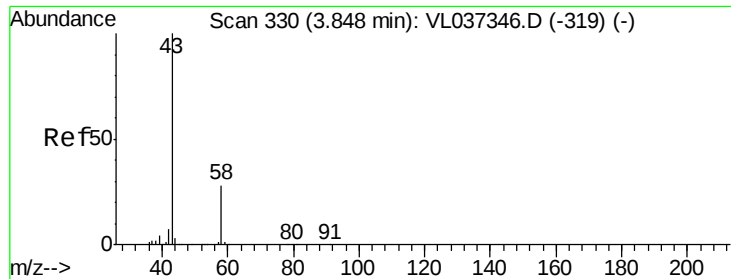
Ion Ratio Lower Upper

108 100

106 106.8 86.8 130.2

79 16.1 13.4 20.2





#15

Acetone

Concen: 12.557 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL037347.D

Acq: 6 Aug 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 1230432

Ion Ratio Lower Upper

43 100

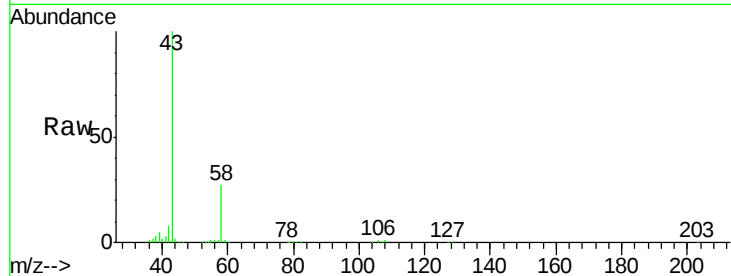
58 31.2 24.6 36.8

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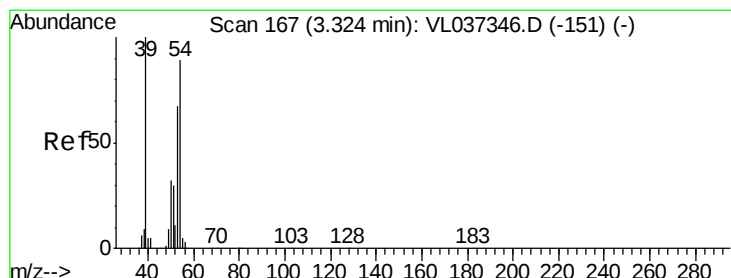
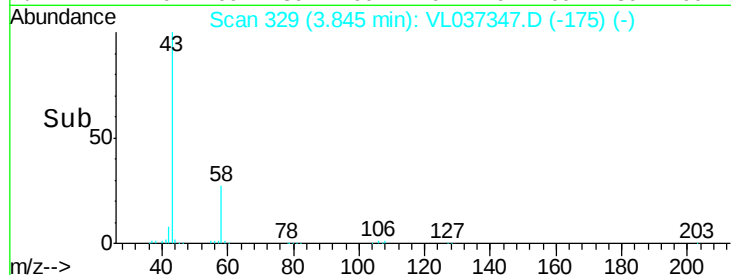
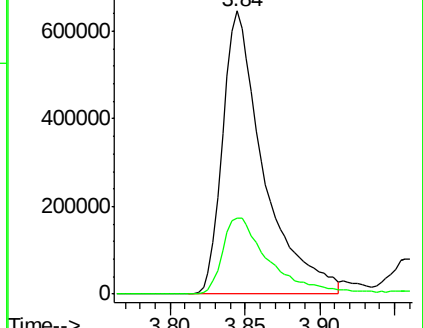
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 14.736 ppbv

RT: 3.32 min Scan# 167

Delta R.T. -0.00 min

Lab File: VL037347.D

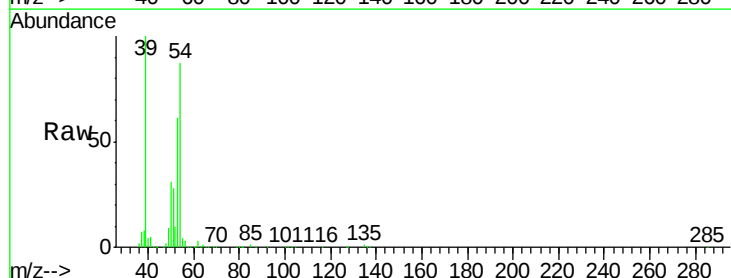
Acq: 6 Aug 2021 15:47

Tgt Ion: 39 Resp: 970574

Ion Ratio Lower Upper

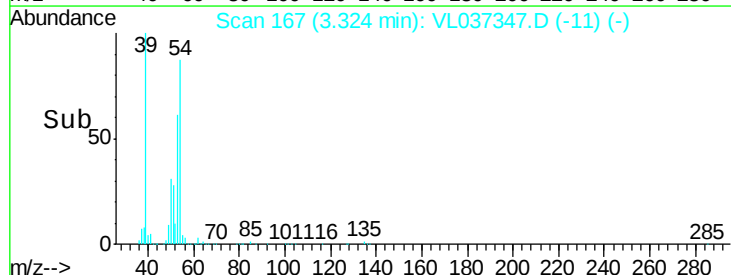
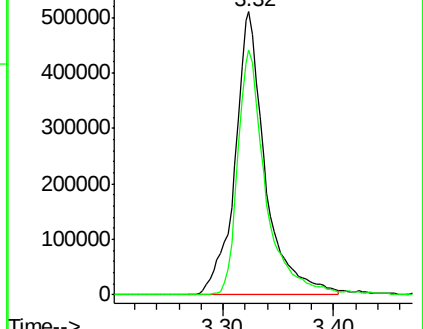
39 100

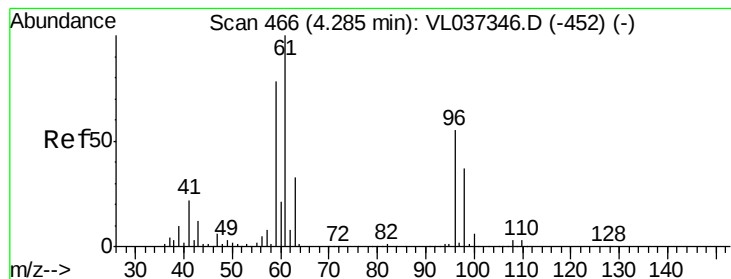
54 80.9 64.2 96.4



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

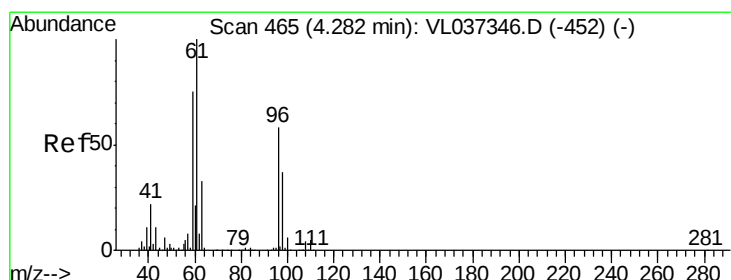
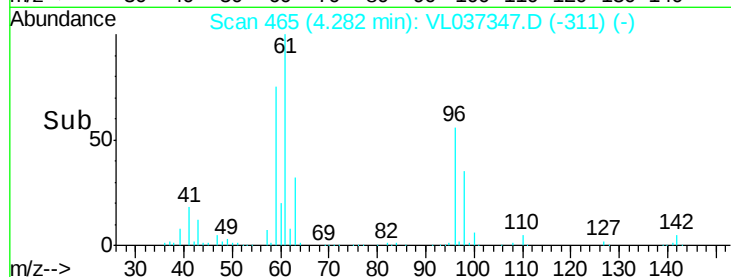
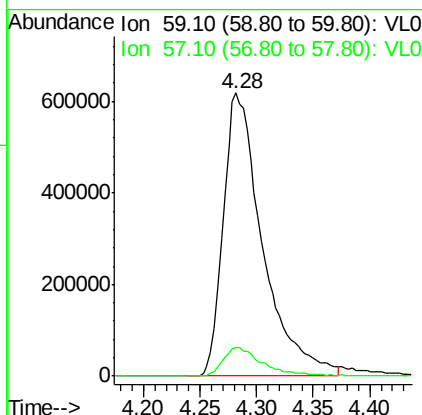
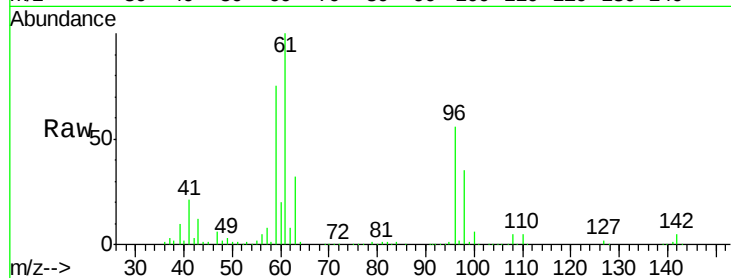
tert-Butyl alcohol
Concen: 14.359 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.00 min
Lab File: VL037347.D
Acq: 6 Aug 2021 15:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 59 Resp: 1497653
Ion Ratio Lower Upper
59 100
57 10.4 8.7 13.1

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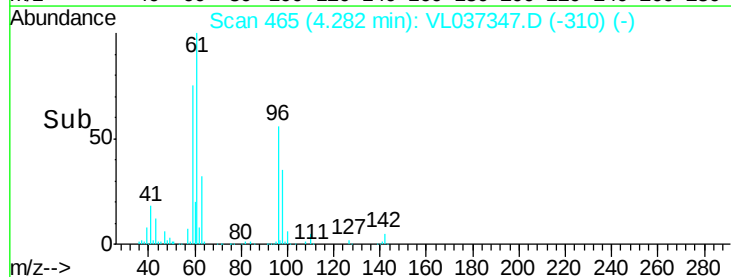
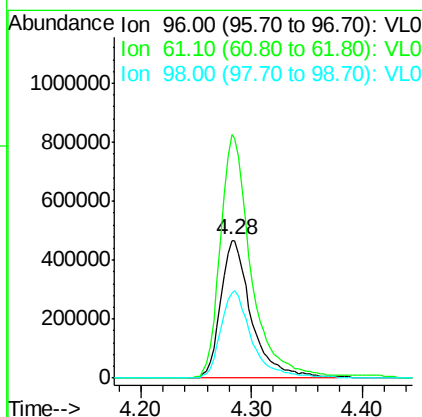
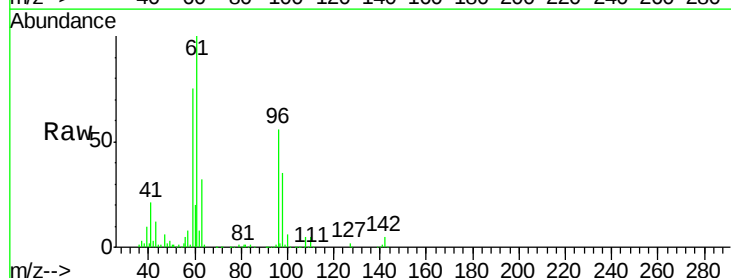
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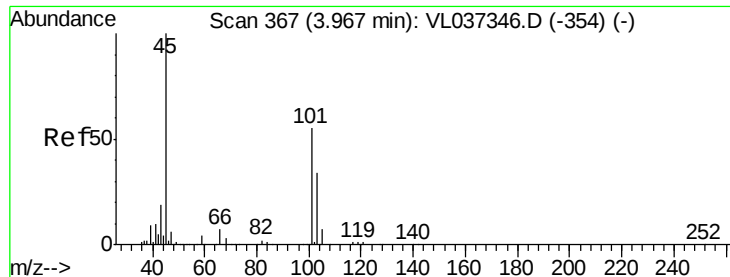


#18

1,1-Dichloroethene
Concen: 15.293 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.00 min
Lab File: VL037347.D
Acq: 6 Aug 2021 15:47

Tgt Ion: 96 Resp: 903700
Ion Ratio Lower Upper
96 100
61 177.0 137.0 205.4
98 61.6 50.4 75.6





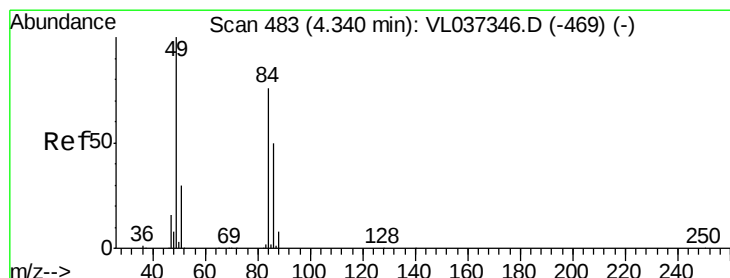
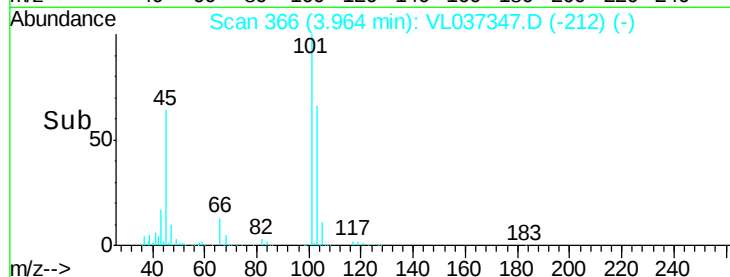
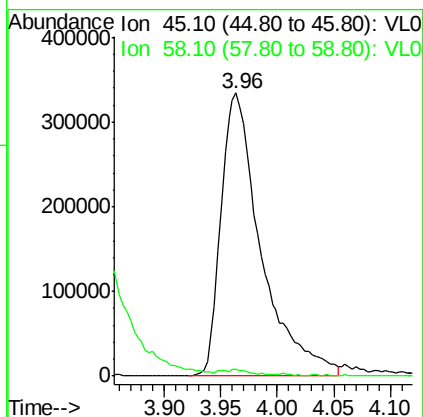
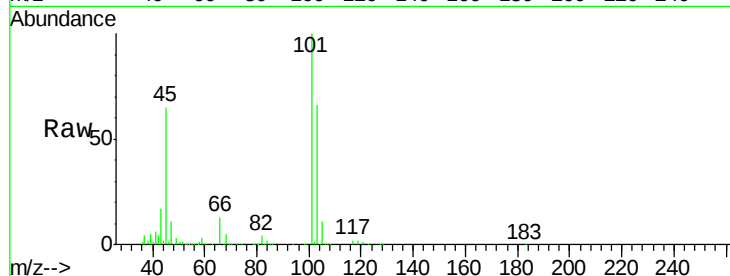
#19
Isopropyl Alcohol
Concen: 13.864 ppbv
RT: 3.96 min Scan# 366
Delta R.T. -0.00 min
Lab File: VL037347.D
Acq: 6 Aug 2021 15:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 45 Resp: 822229
Ion Ratio Lower Upper
45 100
58 1.8 1.8 2.8

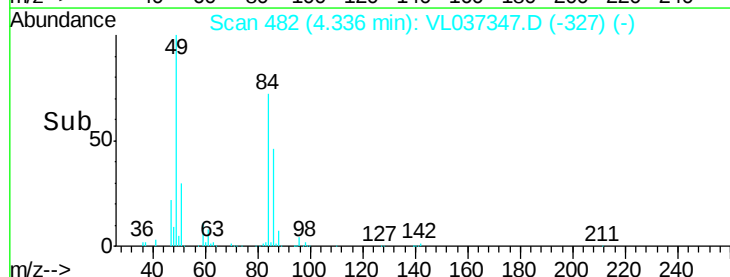
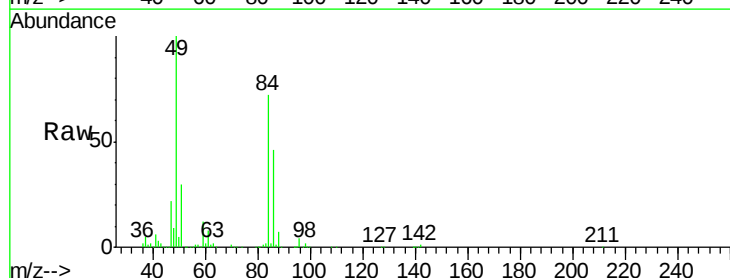
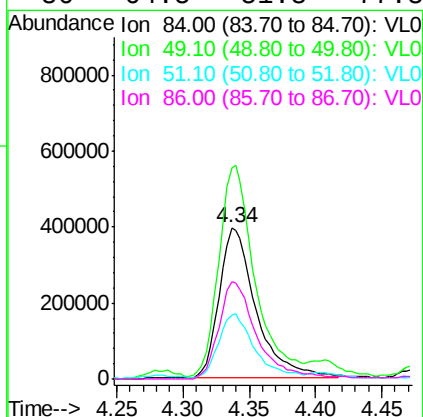
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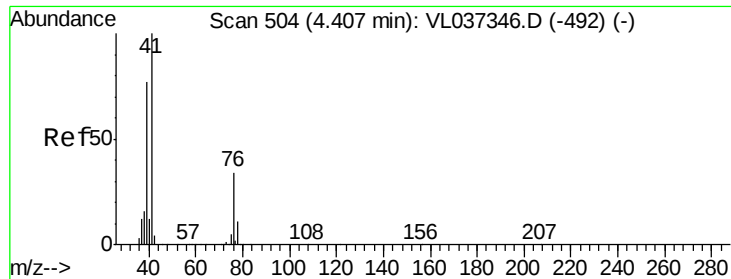
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#20
Methylene Chloride
Concen: 9.216 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL037347.D
Acq: 6 Aug 2021 15:47

Tgt Ion: 84 Resp: 763787
Ion Ratio Lower Upper
84 100
49 138.4 107.3 160.9
51 41.3 33.0 49.4
86 64.5 51.8 77.8





#21

Allvl Chloride

Concen: 14.423 ppbv

RT: 4.41 min Scan# 504

Delta R.T. 0.00 min

Lab File: VL037347.D

Acq: 6 Aug 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 41 Resp: 1168591

Ion Ratio Lower Upper

41 100

76 33.9 25.7 38.5

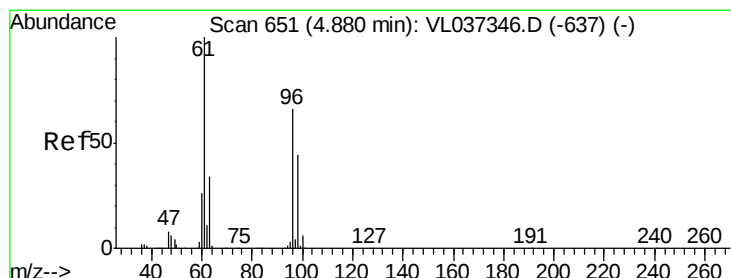
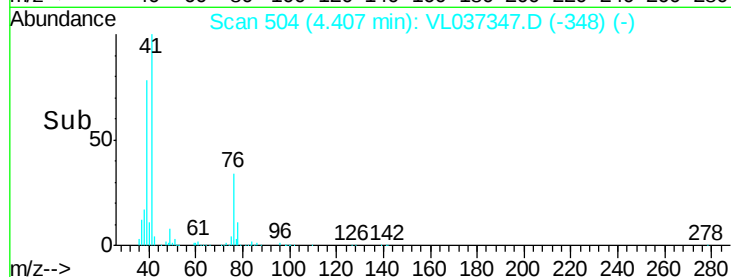
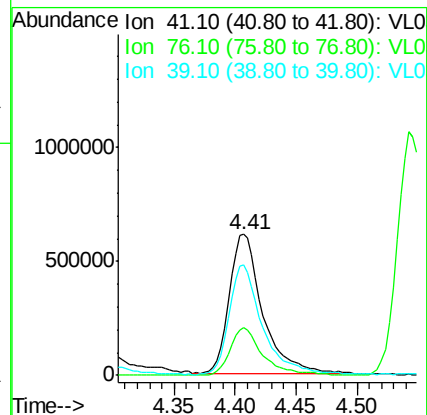
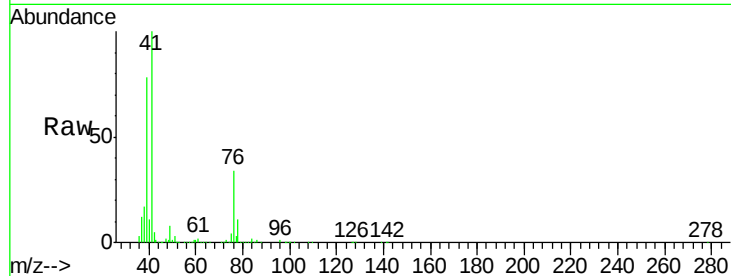
39 79.0 61.0 91.4

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#22

trans-1,2-Dichloroethene

Concen: 15.413 ppbv

RT: 4.88 min Scan# 651

Delta R.T. 0.00 min

Lab File: VL037347.D

Acq: 6 Aug 2021 15:47

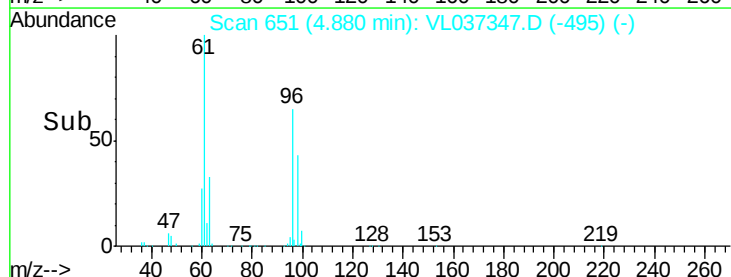
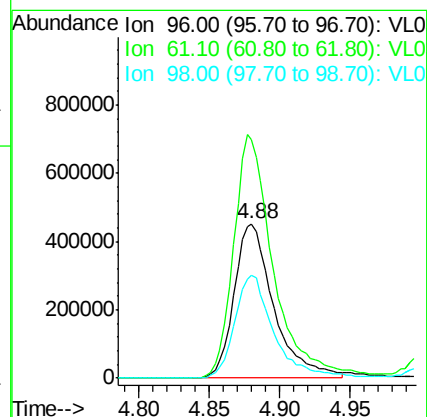
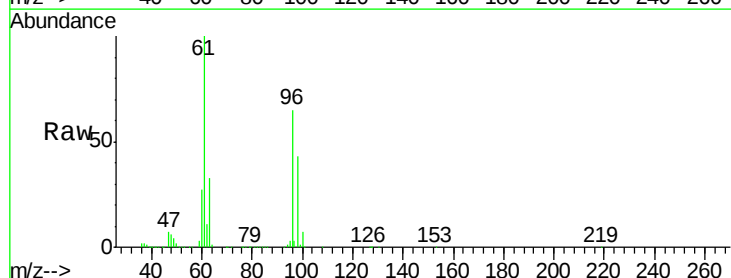
Tgt Ion: 96 Resp: 886532

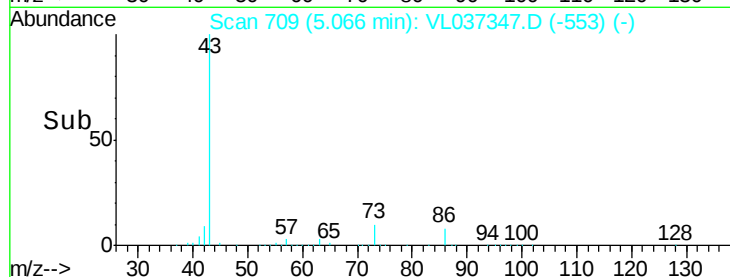
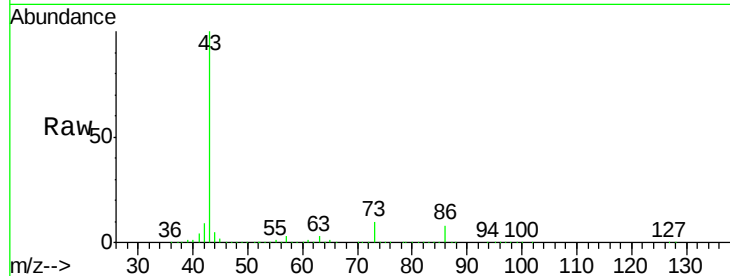
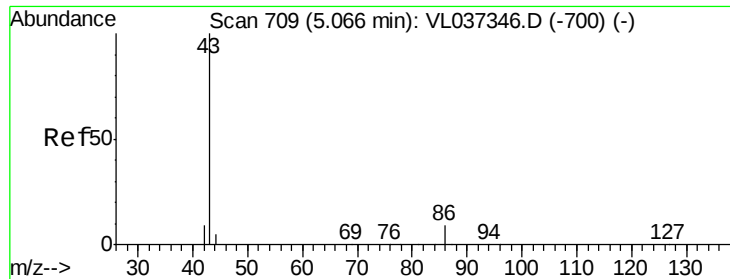
Ion Ratio Lower Upper

96 100

61 154.3 120.6 181.0

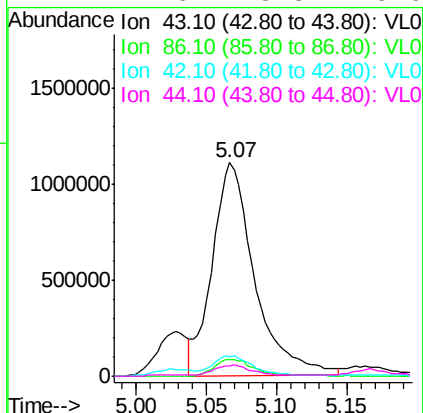
98 66.8 53.0 79.6





#23
 Vinyl Acetate
 Concen: 17.083 ppbv
 RT: 5.07 min Scan# 709
 Delta R.T. -0.00 min
 Lab File: VL037347.D
 Acq: 6 Aug 2021 15:47

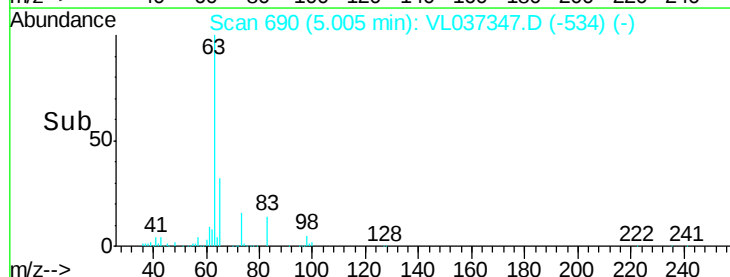
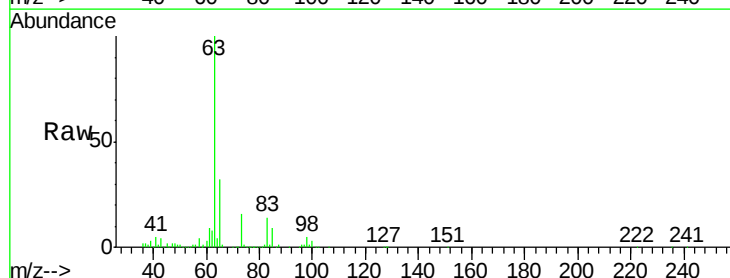
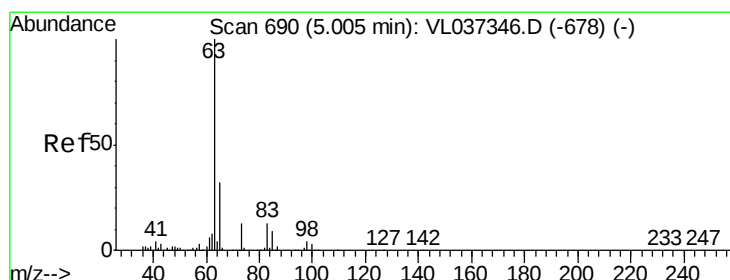
Tot Ion	43	Resp	2323177
Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.3	9.5
42	9.0	8.3	12.5
44	4.6	3.8	5.6



Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

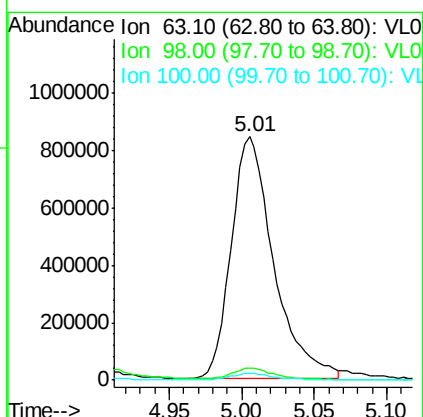
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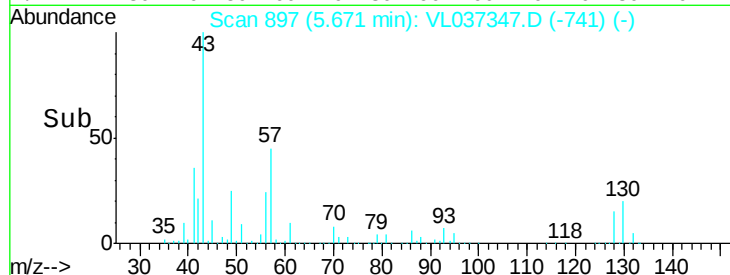
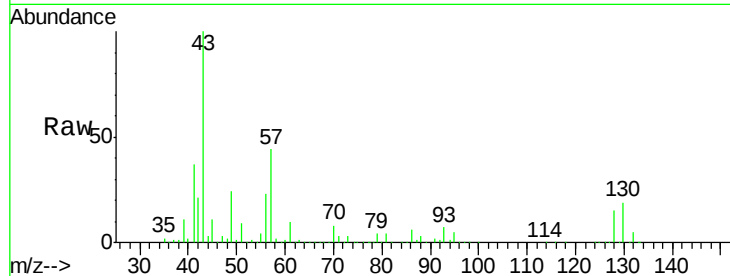
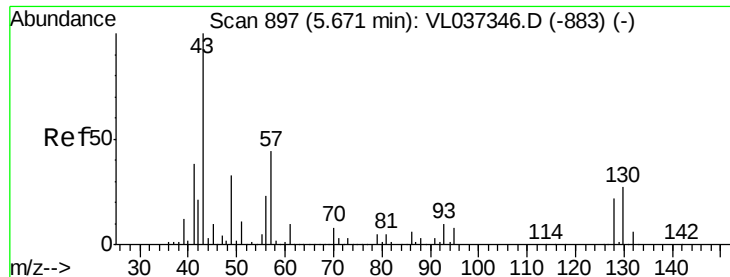
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#24
 1,1-Dichloroethane
 Concen: 14.729 ppbv
 RT: 5.01 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VL037347.D
 Acq: 6 Aug 2021 15:47

Tgt Ion	63	Resp	1723690
Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.3	6.8
100	2.5	1.4	4.0





#25
Ethyl Acetate
Concen: 14.405 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL037347.D
Acq: 6 Aug 2021 15:47

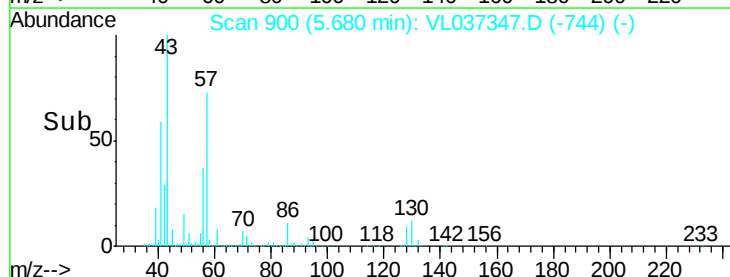
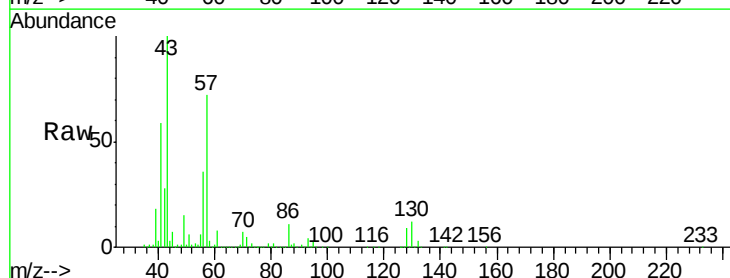
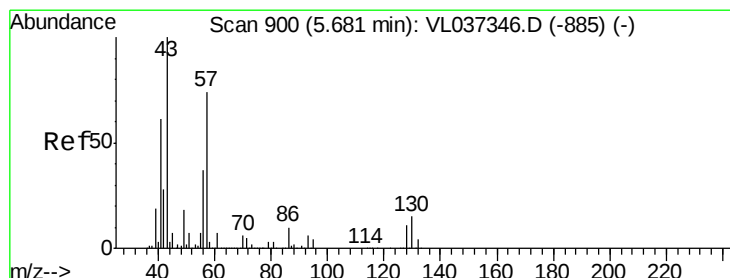
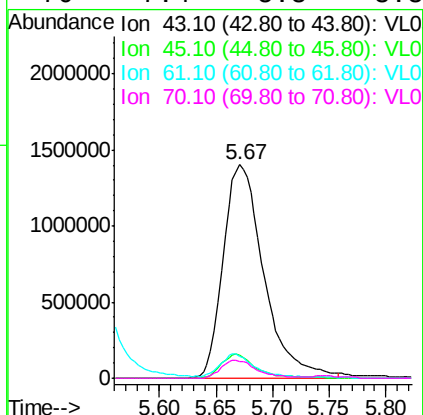
Tot Ion: 43 Resp: 3491443

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.7	11.5
61	10.4	8.2	12.2
70	7.4	5.8	8.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

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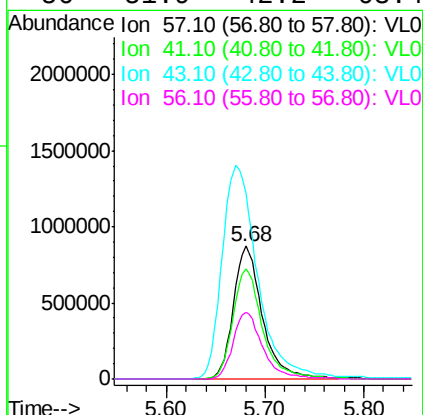
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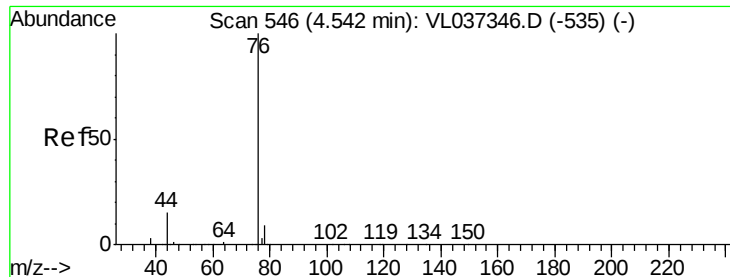


#26
Hexane
Concen: 13.087 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL037347.D
Acq: 6 Aug 2021 15:47

Tgt Ion: 57 Resp: 1792250

Ion	Ratio	Lower	Upper
57	100		
41	85.6	69.2	103.8
43	198.4	162.1	243.1
56	51.9	42.2	63.4





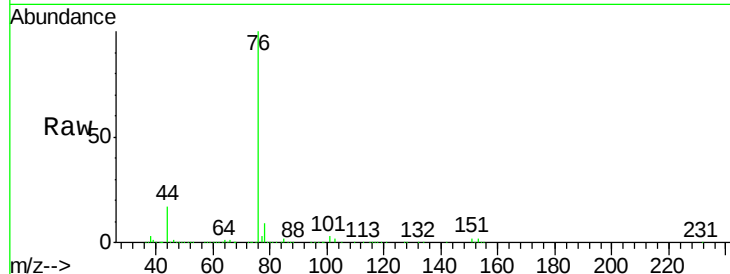
#27
Carbon Disulfide
Concen: 17.592 ppbv
RT: 4.54 min Scan# 546
Delta R.T. -0.00 min
Lab File: VL037347.D
Acq: 6 Aug 2021 15:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

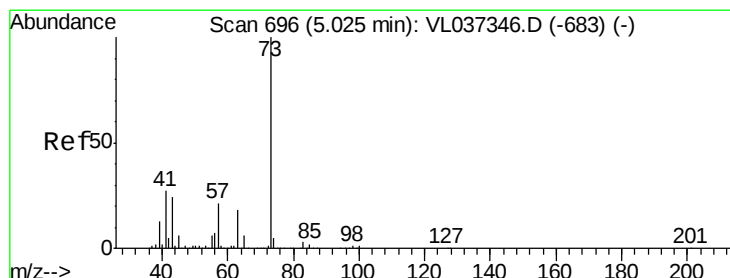
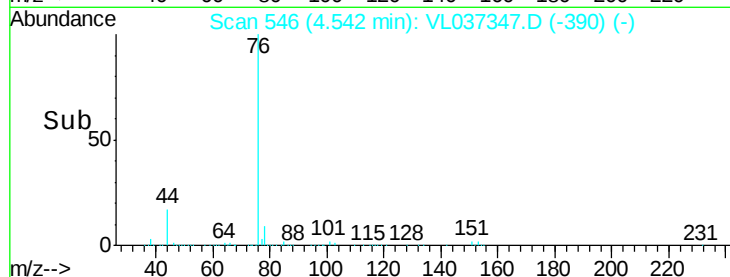
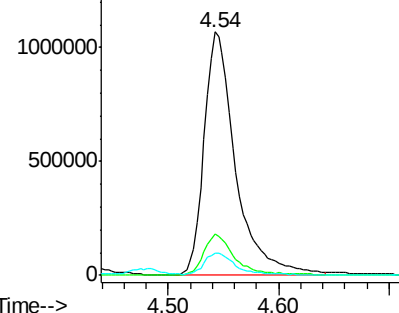
Tot Ion: 76 Resp: 2091653
Ion Ratio Lower Upper
76 100
44 16.7 13.4 20.0
78 9.5 7.9 11.9

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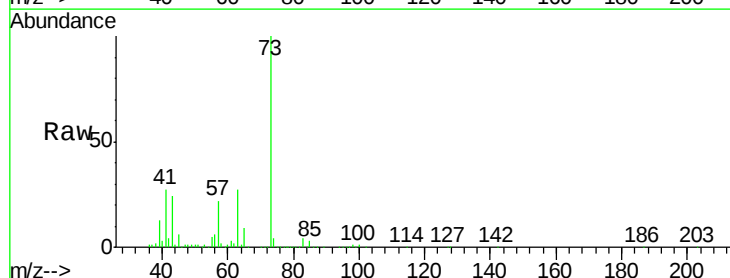


Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

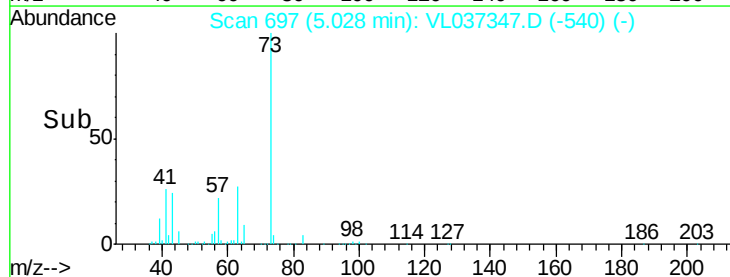
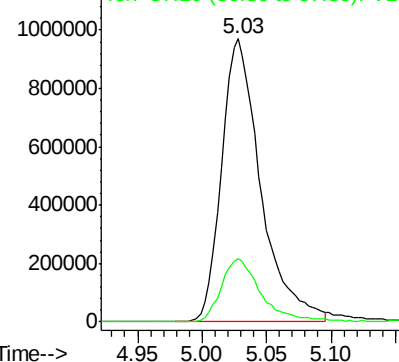


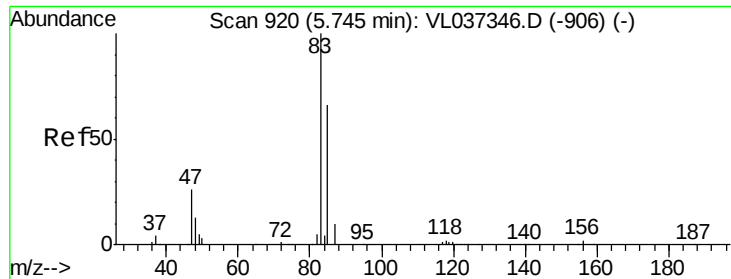
#28
Methyl tert-Butyl Ether
Concen: 15.037 ppbv
RT: 5.03 min Scan# 697
Delta R.T. 0.00 min
Lab File: VL037347.D
Acq: 6 Aug 2021 15:47

Tgt Ion: 73 Resp: 2051114
Ion Ratio Lower Upper
73 100
57 23.0 17.9 26.9



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





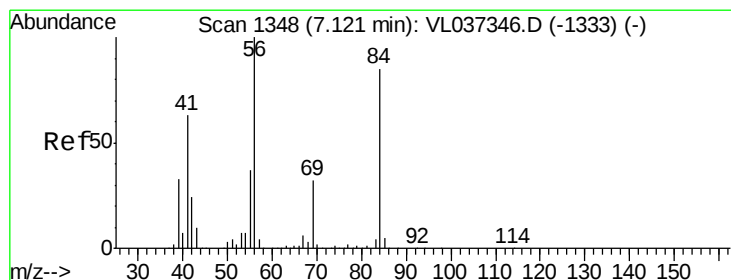
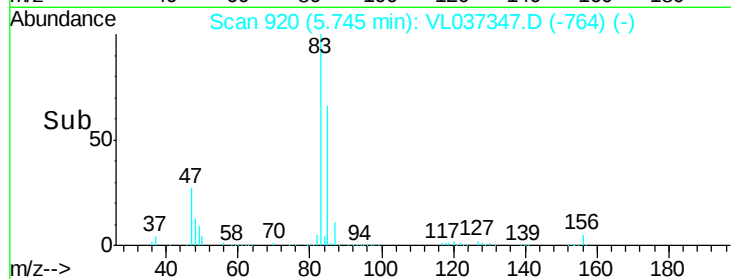
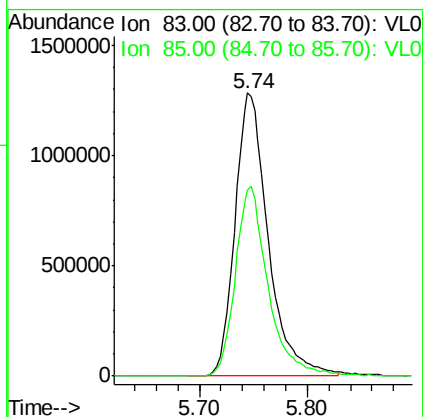
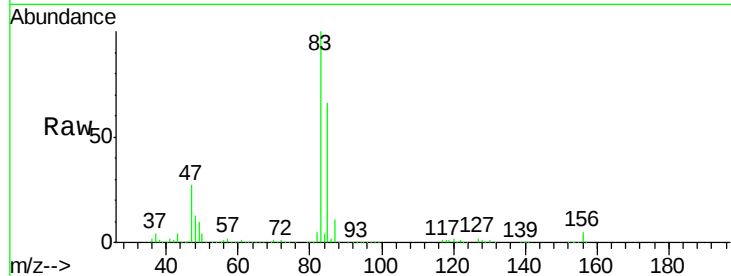
#29
Chloroform
Concen: 14.983 ppbv
RT: 5.74 min Scan# 920
Delta R.T. 0.00 min
Lab File: VL037347.D
Acq: 6 Aug 2021 15:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 83 Resp: 2752826
Ion Ratio Lower Upper
83 100
85 65.5 53.1 79.7

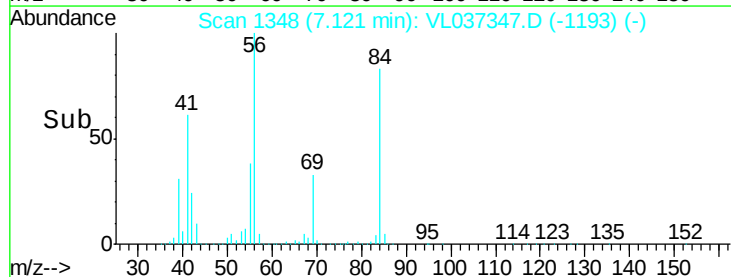
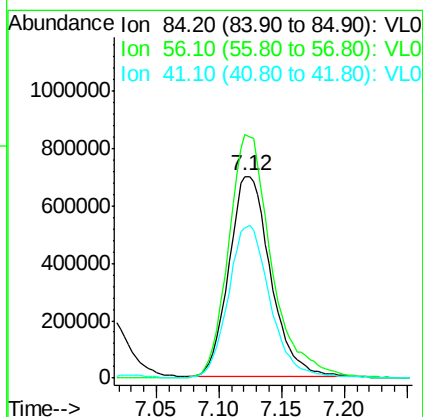
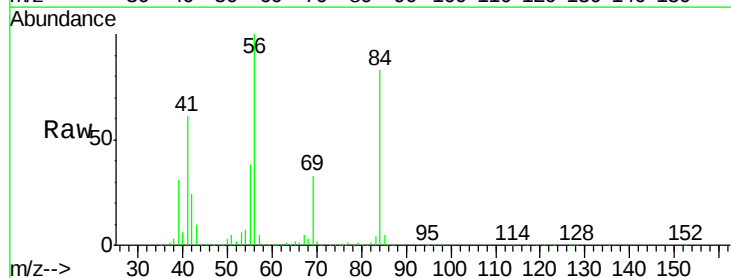
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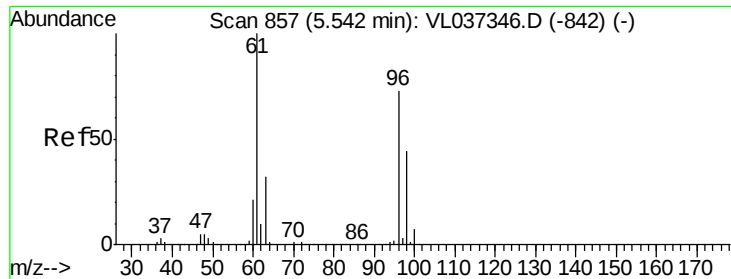
MMDadoda
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#30
Cyclohexane
Concen: 15.063 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.00 min
Lab File: VL037347.D
Acq: 6 Aug 2021 15:47

Tgt Ion: 84 Resp: 1608829
Ion Ratio Lower Upper
84 100
56 126.5 103.5 155.3
41 77.0 61.4 92.2





#31

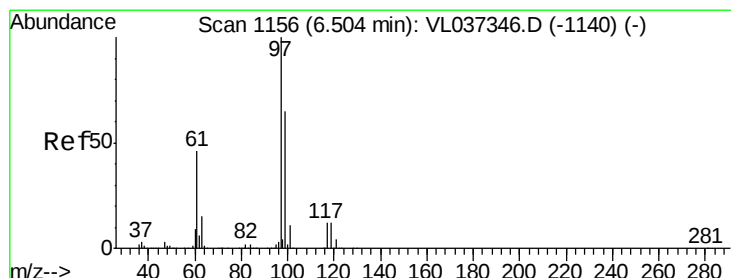
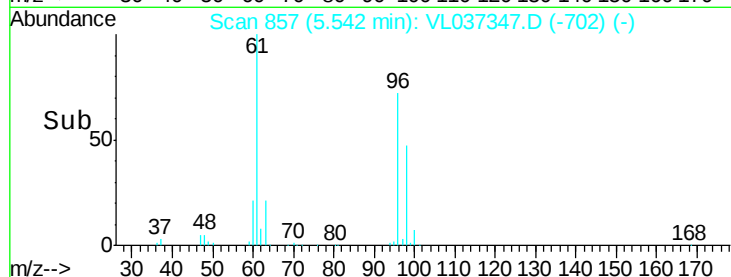
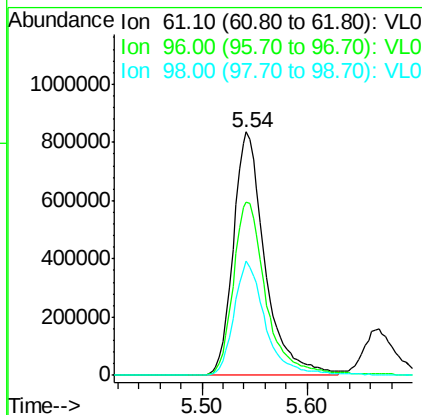
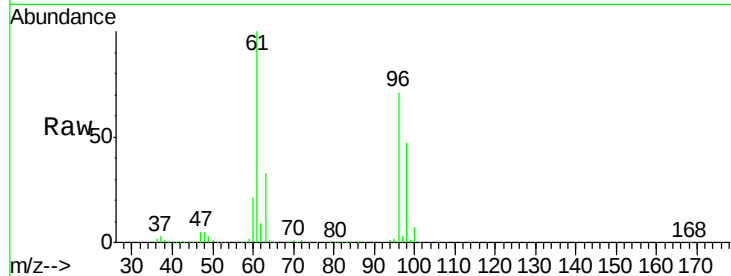
cis-1,2-Dichloroethene
 Concen: 16.020 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VL037347.D
 Acq: 6 Aug 2021 15:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
61	100		
96	71.4	58.5	87.7
98	46.7	35.1	52.7

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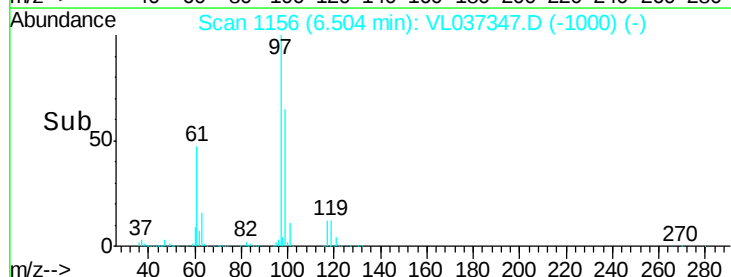
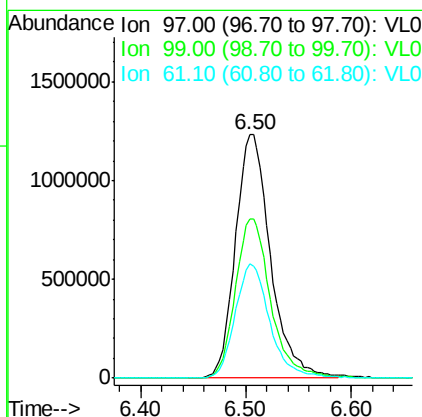
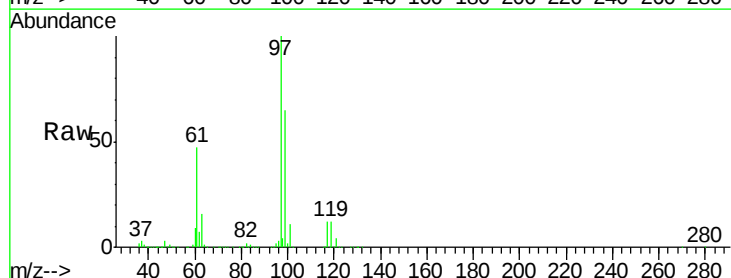
MMDadoda
 8/10/2021 6:09:37 PM

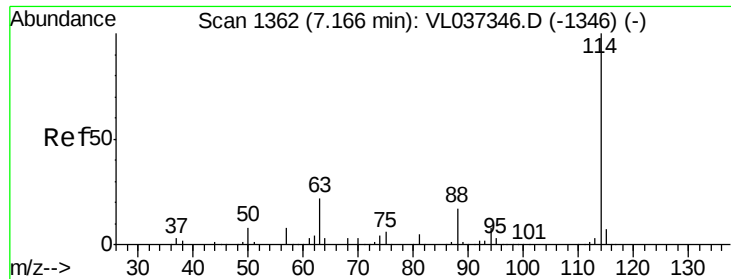


#32

1,1,1-Trichloroethane
 Concen: 14.619 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: VL037347.D
 Acq: 6 Aug 2021 15:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.8	77.6
61	46.6	37.0	55.6





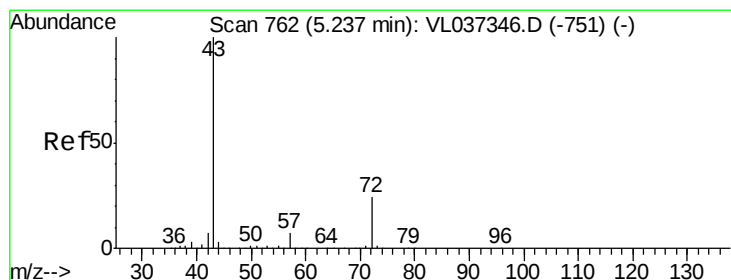
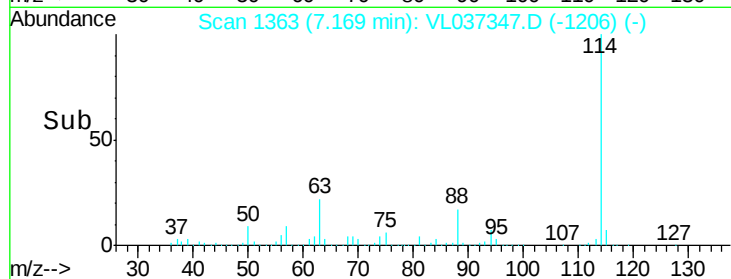
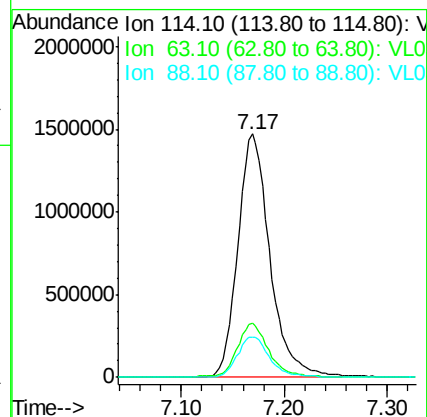
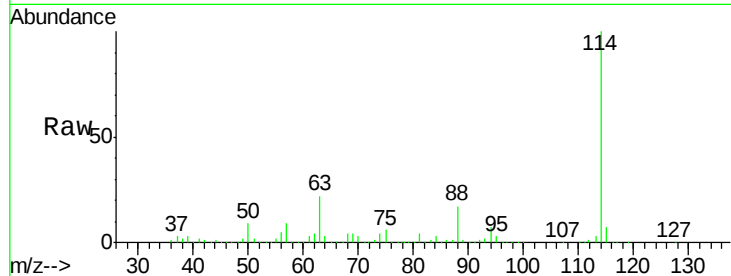
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VL037347.D
 Acq: 6 Aug 2021 15:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:114 Resp: 3188419
 Ion Ratio Lower Upper
 114 100
 63 22.1 17.8 26.6
 88 16.9 13.5 20.3

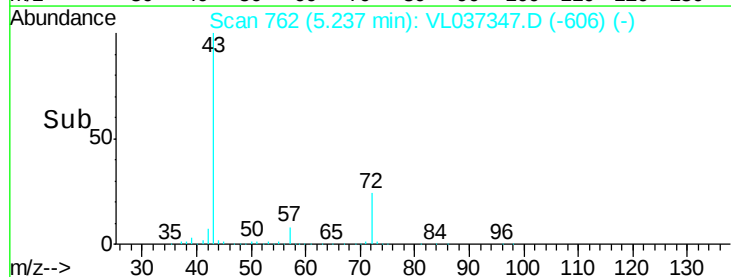
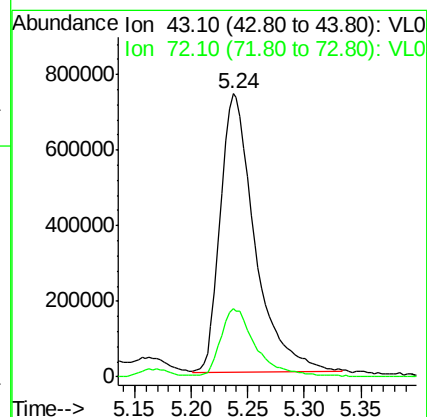
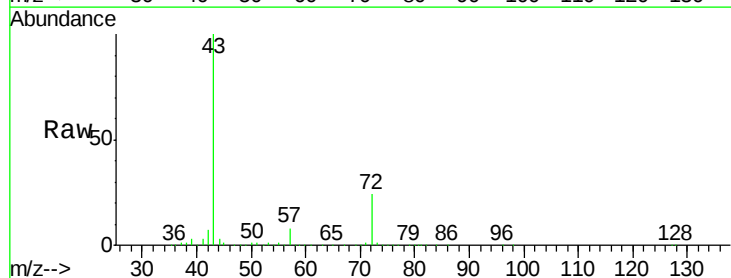
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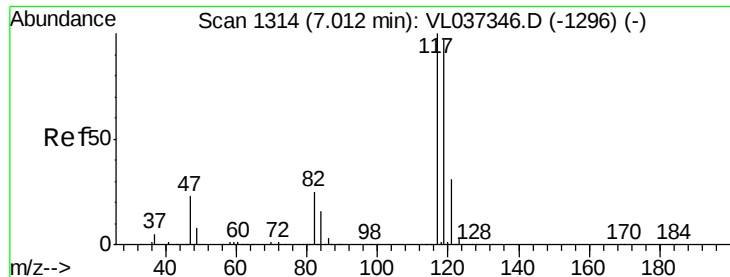
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#34
 2-Butanone
 Concen: 14.731 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VL037347.D
 Acq: 6 Aug 2021 15:47

Tgt Ion: 43 Resp: 1577049
 Ion Ratio Lower Upper
 43 100
 72 25.1 19.8 29.6





#35

Carbon Tetrachloride

Concen: 15.201 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VL037347.D

Acq: 6 Aug 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:117 Resp: 3033056

Ion Ratio Lower Upper

117 100

119 96.8 77.8 116.8

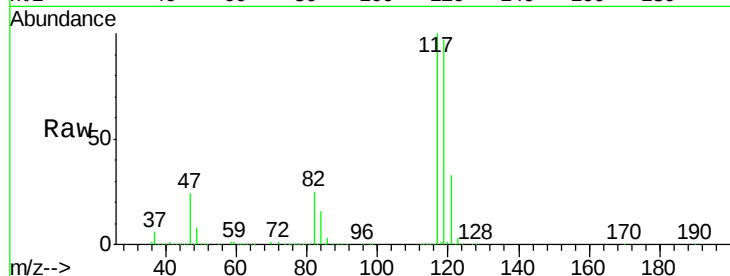
121 32.8 24.6 36.8

Manual Integrations

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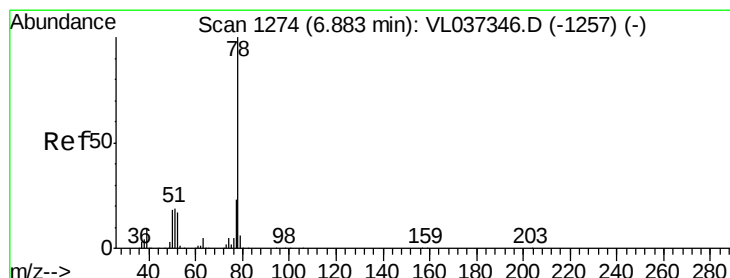
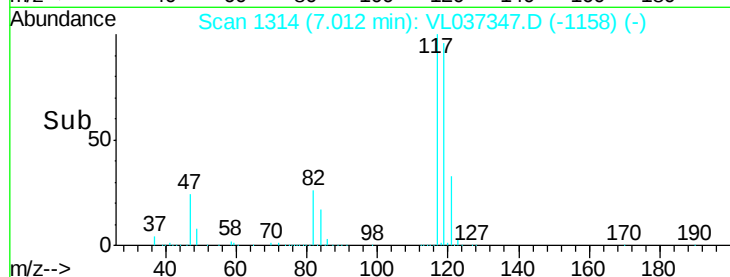
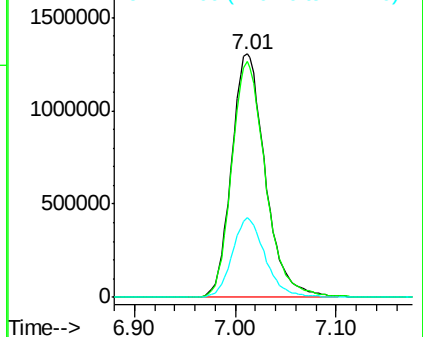
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 15.467 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VL037347.D

Acq: 6 Aug 2021 15:47

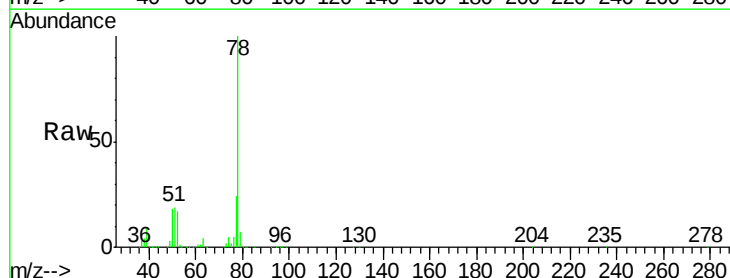
Tgt Ion: 78 Resp: 3779688

Ion Ratio Lower Upper

78 100

77 23.8 18.7 28.1

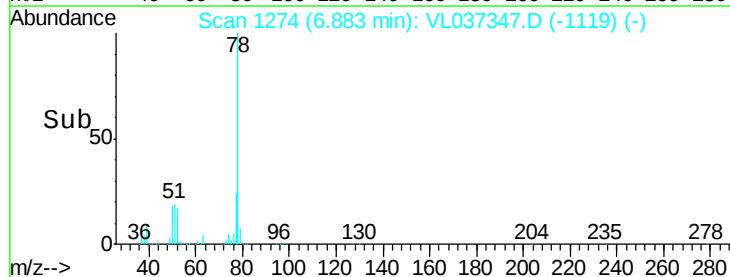
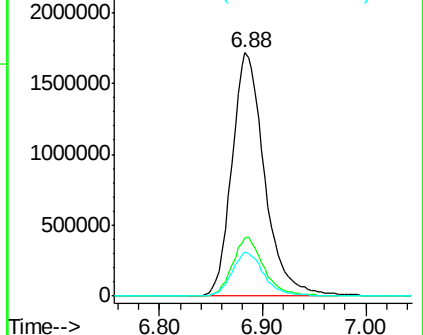
50 18.0 14.6 22.0

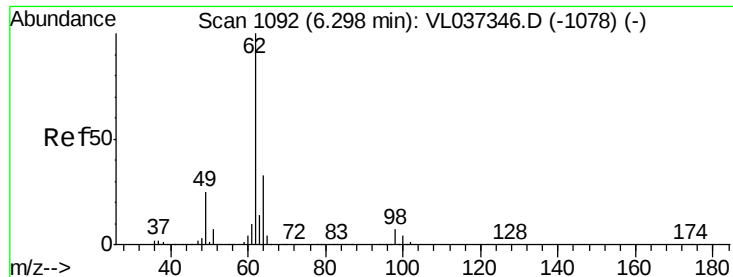


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 15.360 ppbv

RT: 6.30 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VL037347.D

Acq: 6 Aug 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 62 Resp: 1962954

Ion Ratio Lower Upper

62 100

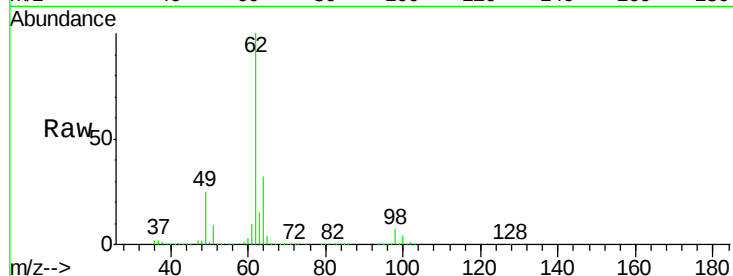
98 7.4 5.6 8.4

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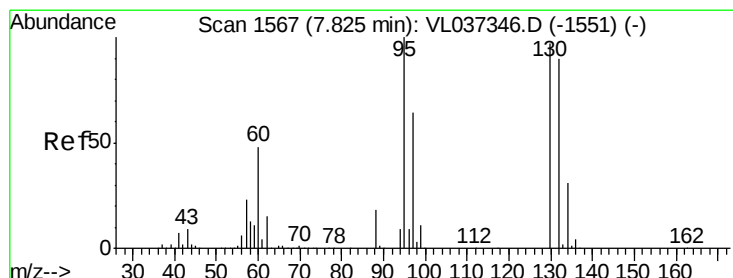
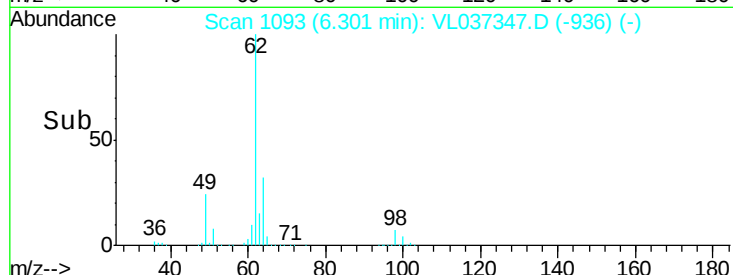
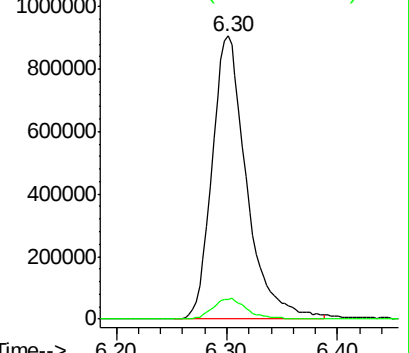
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 13.506 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VL037347.D

Acq: 6 Aug 2021 15:47

Tgt Ion:130 Resp: 1617133

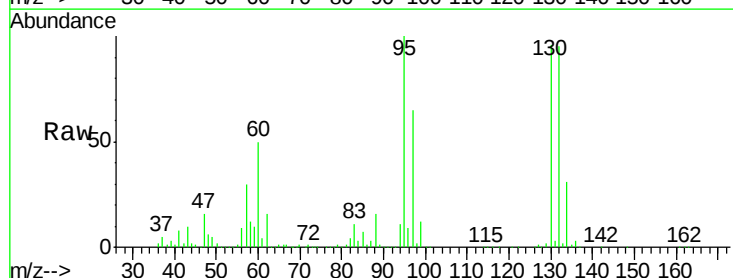
Ion Ratio Lower Upper

130 100

95 104.9 82.8 124.2

132 99.5 74.9 112.3

97 68.4 52.8 79.2

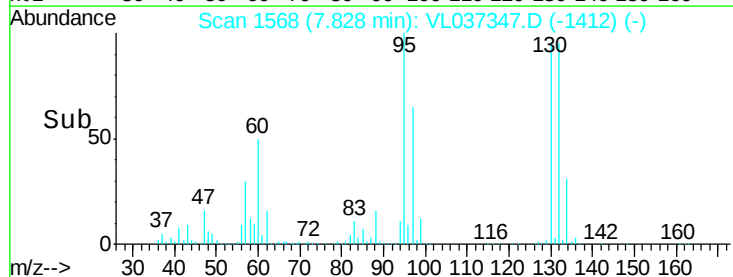
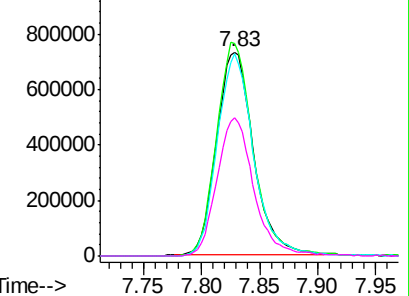


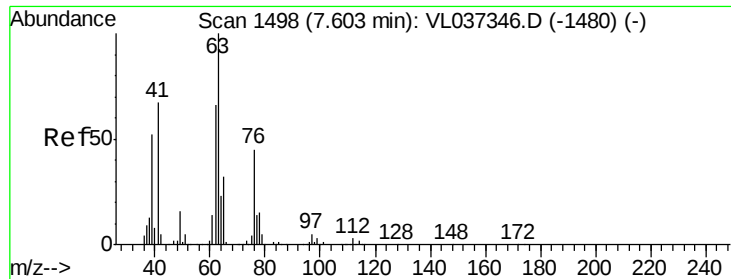
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 15.928 ppbv

RT: 7.61 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VL037347.D

Acq: 6 Aug 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 63 Resp: 1418243

Ion Ratio Lower Upper

63 100

41 67.4 53.9 80.9

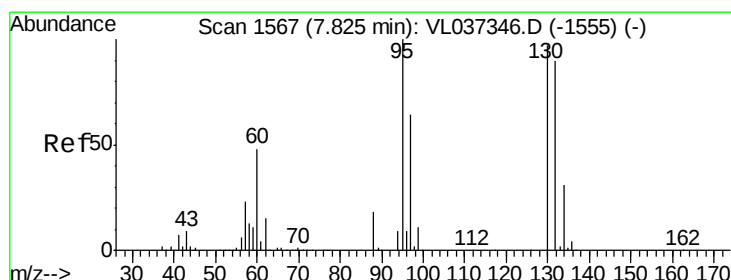
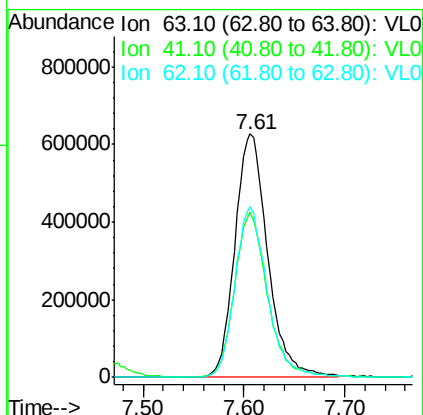
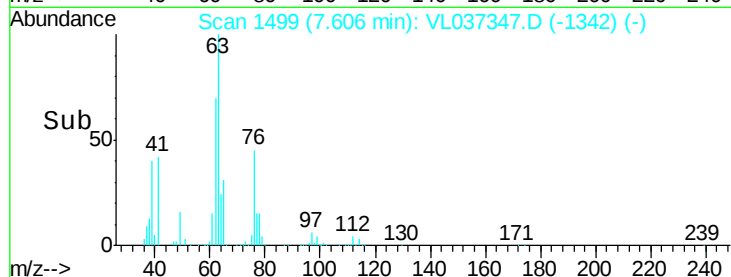
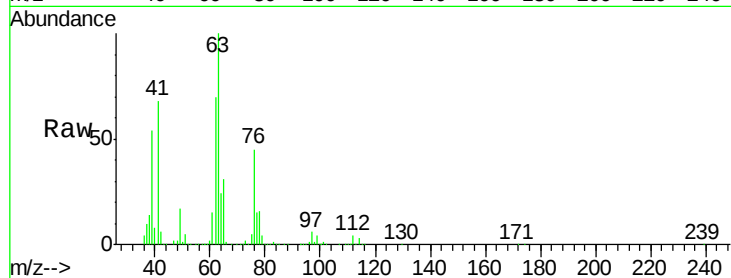
62 70.3 53.0 79.6

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#40

1,4-Dioxane

Concen: 12.297 ppbv

RT: 7.83 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VL037347.D

Acq: 6 Aug 2021 15:47

Tgt Ion: 88 Resp: 324581

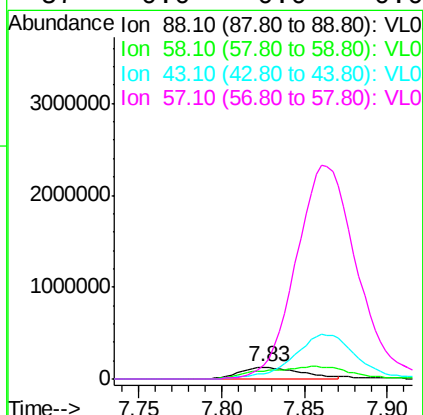
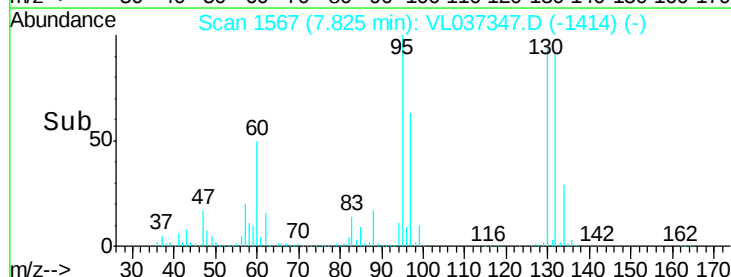
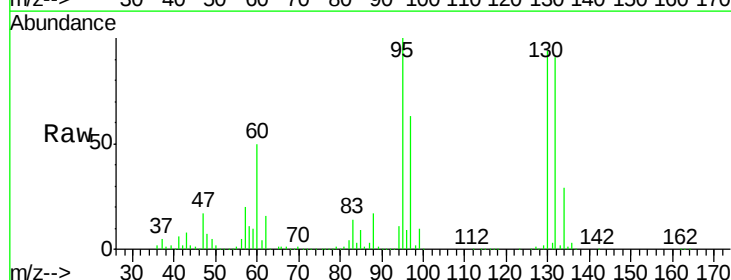
Ion Ratio Lower Upper

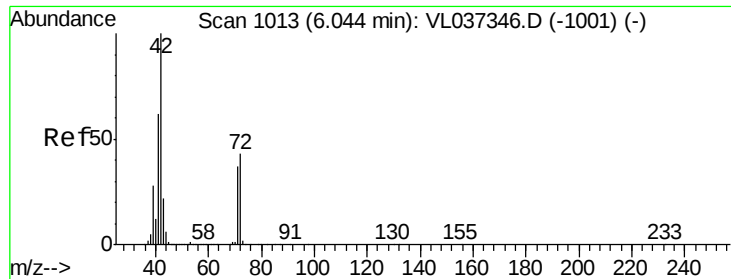
88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0





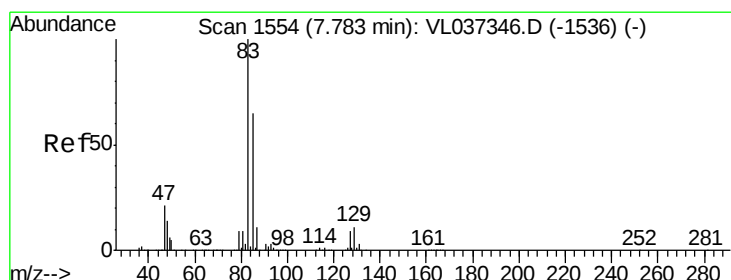
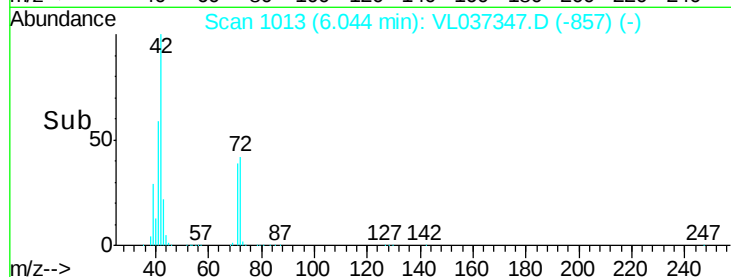
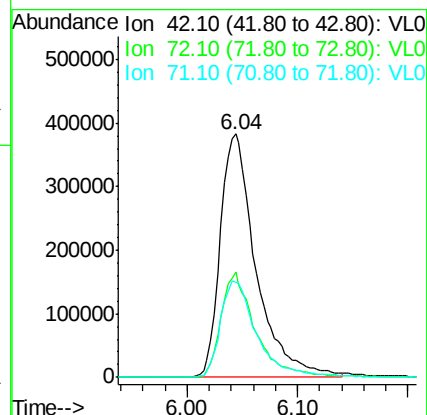
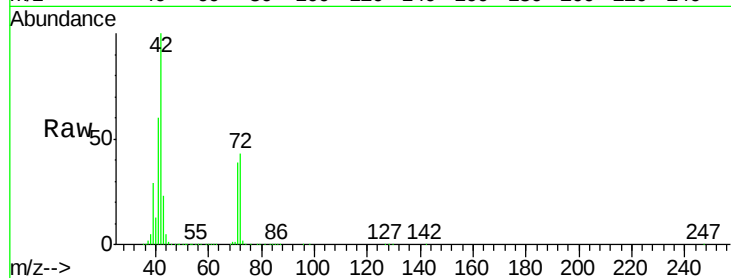
#41
Tetrahydrofuran
Concen: 16.302 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VL037347.D
Acq: 6 Aug 2021 15:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	35.6	53.4
71	40.6	33.8	50.6

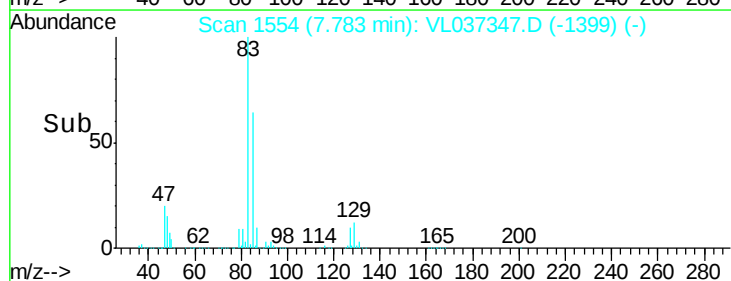
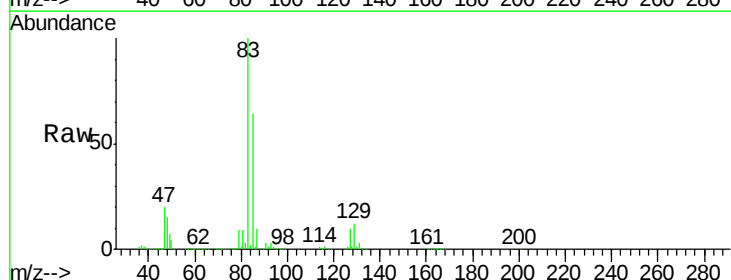
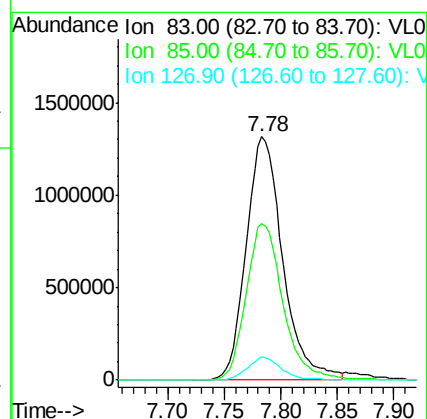
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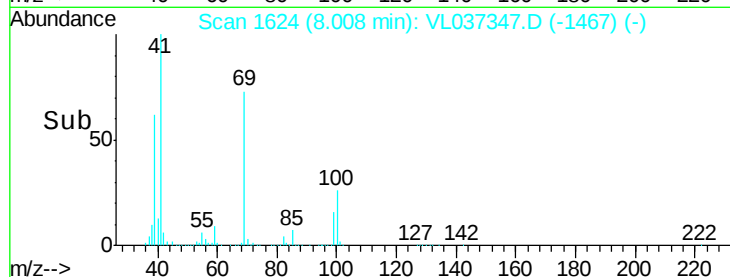
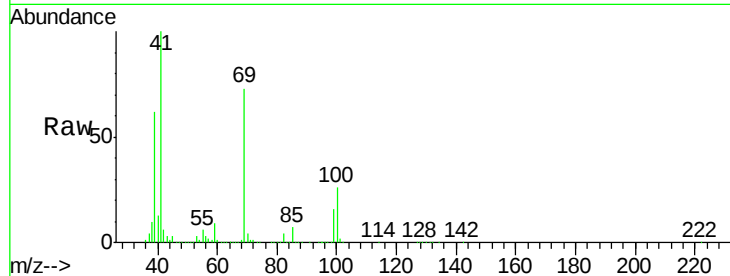
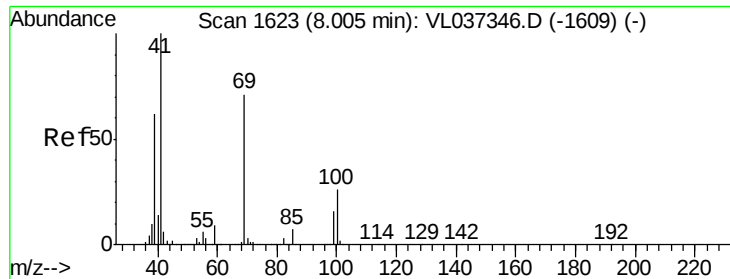
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#42
Bromodichloromethane
Concen: 16.111 ppbv
RT: 7.78 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VL037347.D
Acq: 6 Aug 2021 15:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.1	78.1
127	9.9	7.0	10.6





#43

Methyl Methacrylate

Concen: 16.783 ppbv

RT: 8.01 min Scan# 1624

Delta R.T. 0.00 min

Lab File: VL037347.D

Acq: 6 Aug 2021 15:47

Tot Ion: 69 Resp: 1334547

Ion Ratio Lower Upper

69 100

41 141.2 115.0 172.4

100 36.8 30.1 45.1

Instrument :

MSVOA_L

ClientSampleId :

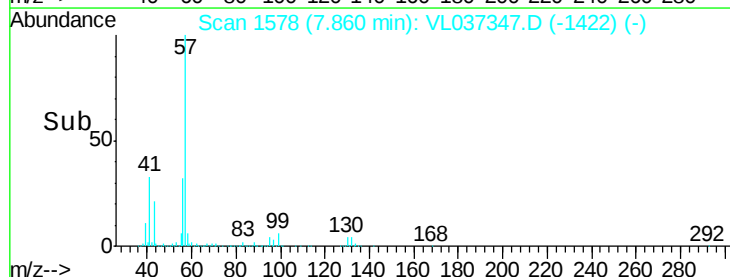
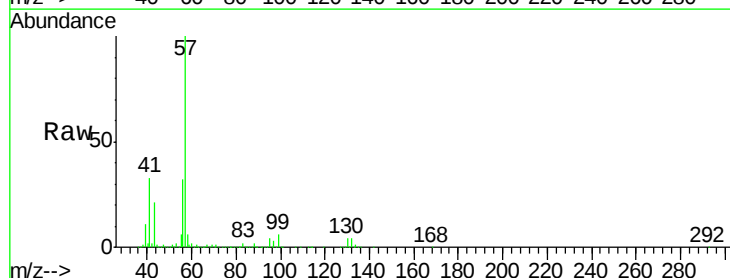
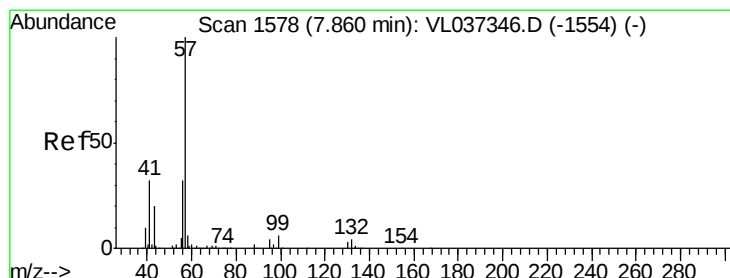
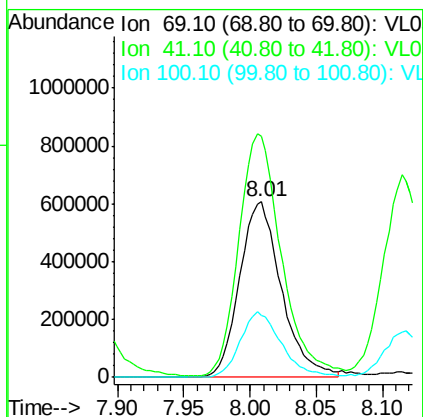
VSTDIC015

Manual Integrations

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#44

2,2,4-Trimethylpentane

Concen: 14.765 ppbv

RT: 7.86 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VL037347.D

Acq: 6 Aug 2021 15:47

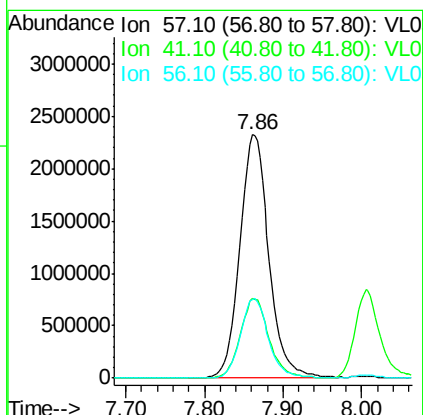
Tgt Ion: 57 Resp: 6033324

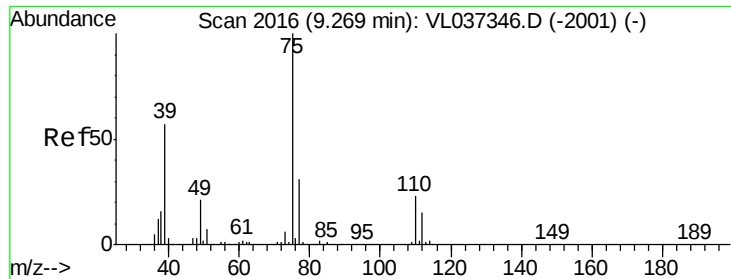
Ion Ratio Lower Upper

57 100

41 32.2 26.1 39.1

56 31.6 25.0 37.4





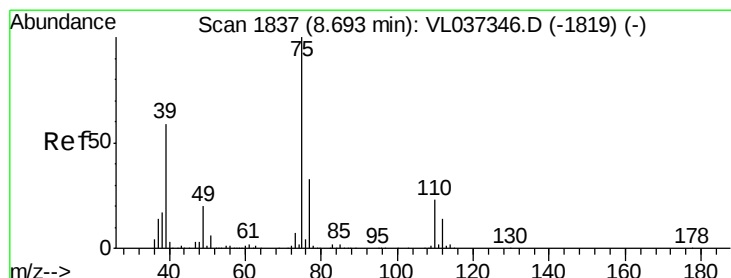
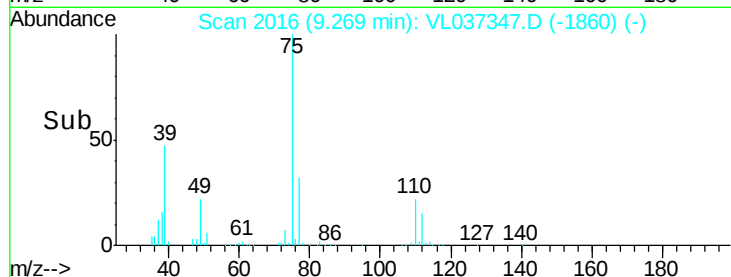
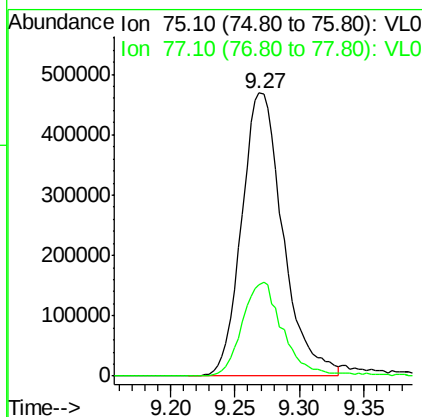
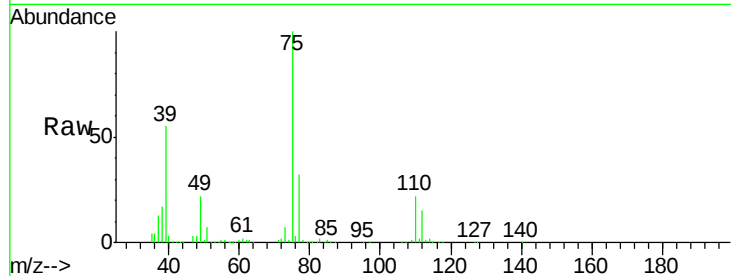
#45
 t-1,3-Dichloropropene
 Concen: 20.276 ppbv
 RT: 9.27 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VL037347.D
 Acq: 6 Aug 2021 15:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 75 Resp: 1045496
 Ion Ratio Lower Upper
 75 100
 77 32.3 24.7 37.1

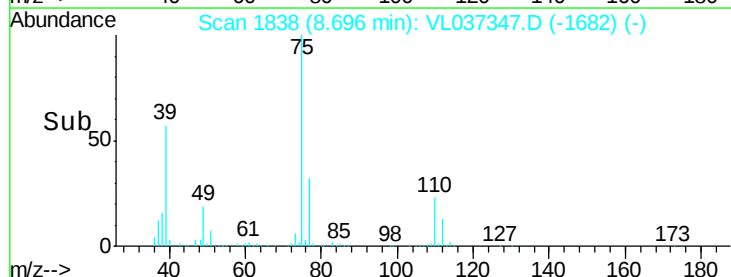
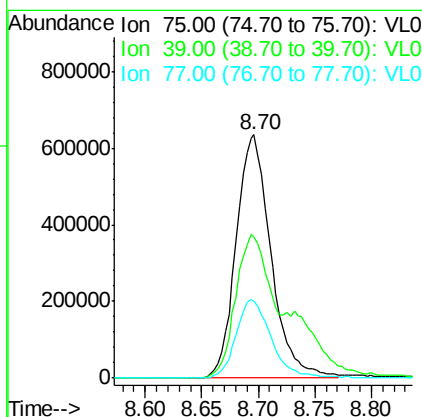
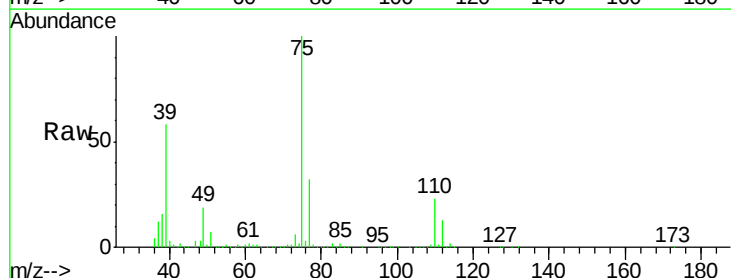
Manual Integrations
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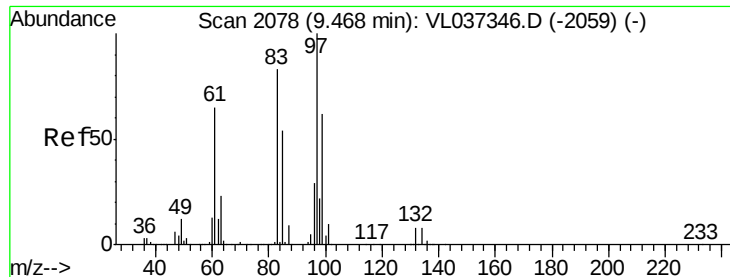
MMDadoda
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#46
 cis-1,3-Dichloropropene
 Concen: 18.591 ppbv
 RT: 8.70 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VL037347.D
 Acq: 6 Aug 2021 15:47

Tgt Ion: 75 Resp: 1364215
 Ion Ratio Lower Upper
 75 100
 39 57.8 47.2 70.8
 77 31.7 26.2 39.4





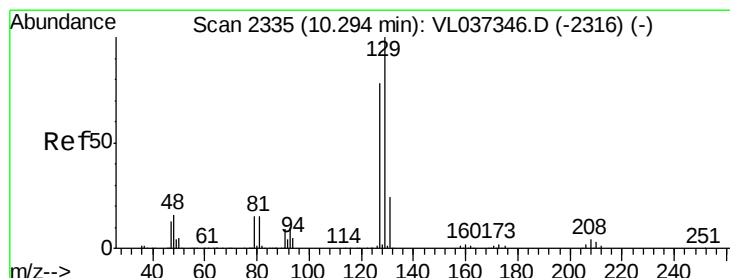
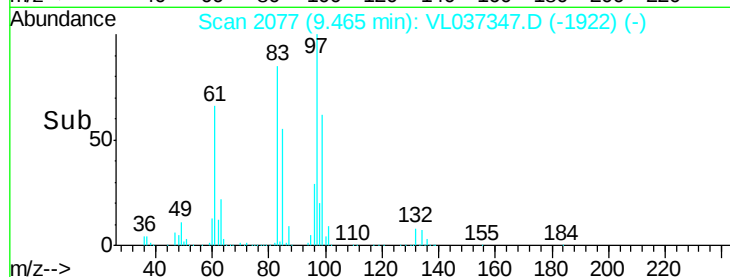
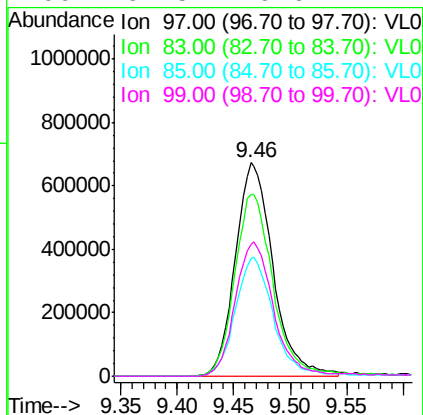
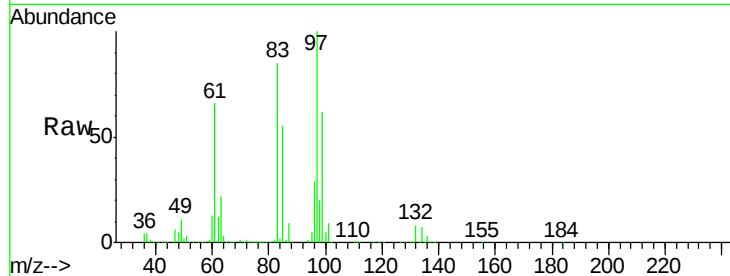
#47
 1,1,2-Trichloroethane
 Concen: 15.146 ppbv
 RT: 9.46 min Scan# 2077
 Delta R.T. -0.00 min
 Lab File: VL037347.D
 Acq: 6 Aug 2021 15:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	85.3	66.1	99.1	
85	55.3	43.1	64.7	
99	61.5	49.6	74.4	

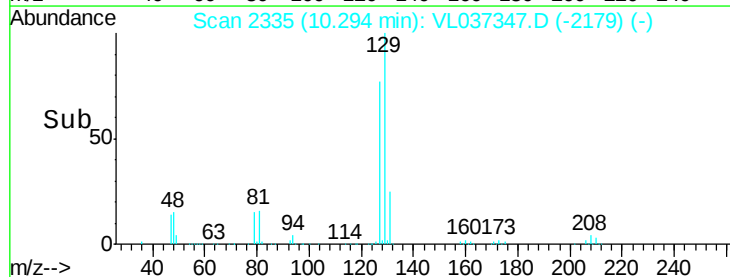
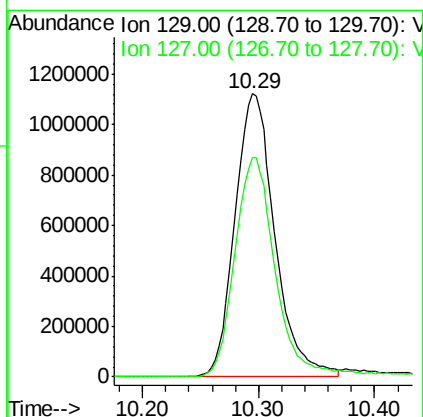
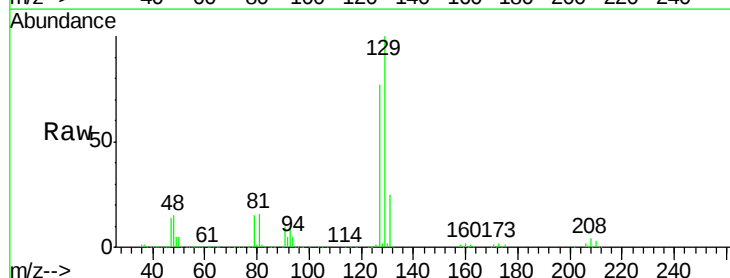
Manual Integrations
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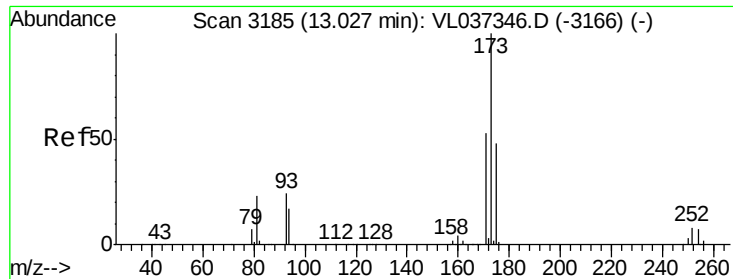
MMDadoda
 8/10/2021 6:09:37 PM



#48
 Dibromochloromethane
 Concen: 16.866 ppbv
 RT: 10.29 min Scan# 2335
 Delta R.T. -0.00 min
 Lab File: VL037347.D
 Acq: 6 Aug 2021 15:47

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	82.3	39.3	117.8	





#49

Bromoform

Concen: 17.164 ppbv

RT: 13.03 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VL037347.D

Acq: 6 Aug 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:173 Resp: 1994980

Ion Ratio Lower Upper

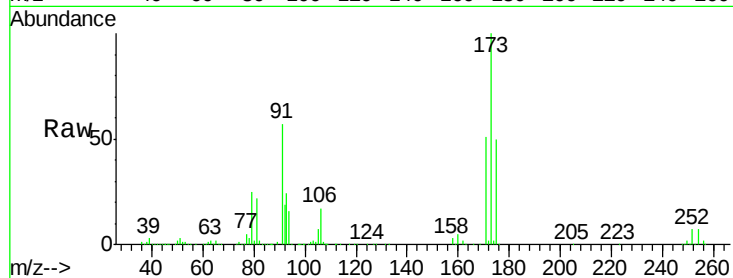
173 100

175 56.8 39.6 59.4

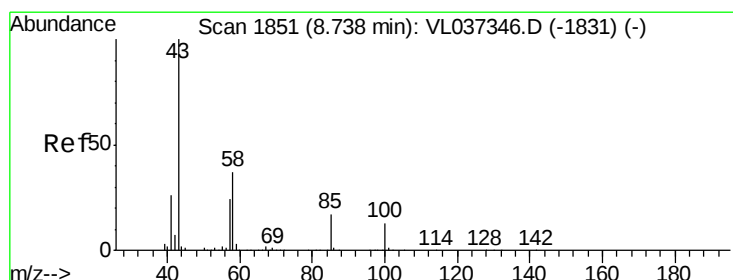
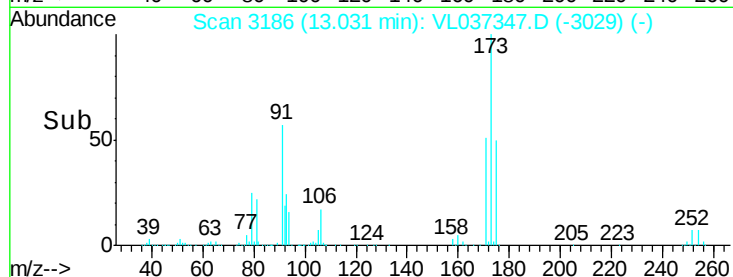
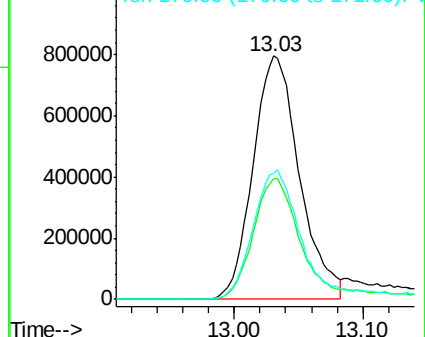
171 61.0 42.2 63.4

Manual Integrations
APPROVED

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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: 15.952 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. -0.00 min

Lab File: VL037347.D

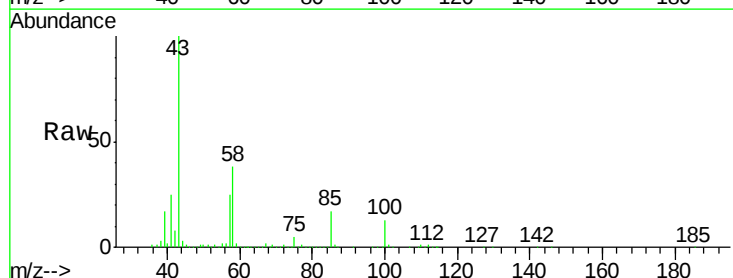
Acq: 6 Aug 2021 15:47

Tgt Ion: 43 Resp: 2341967

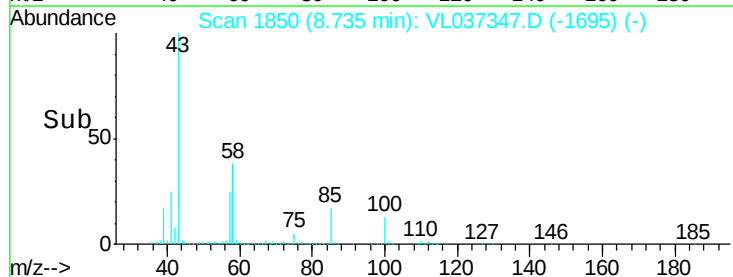
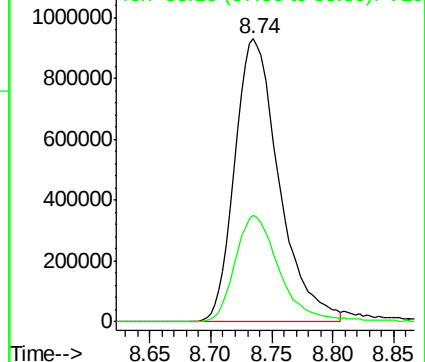
Ion Ratio Lower Upper

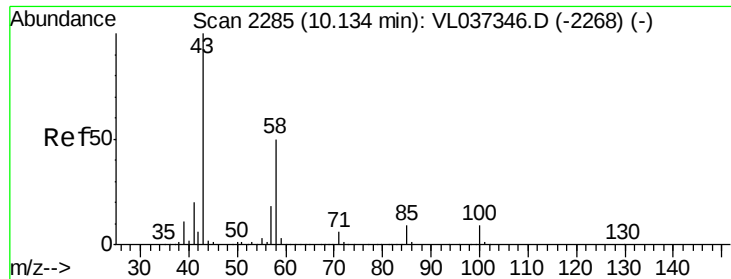
43 100

58 38.2 29.9 44.9



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





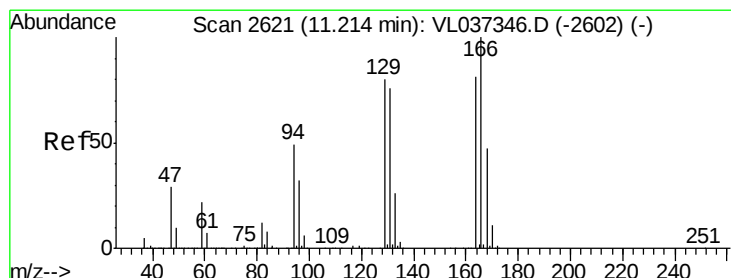
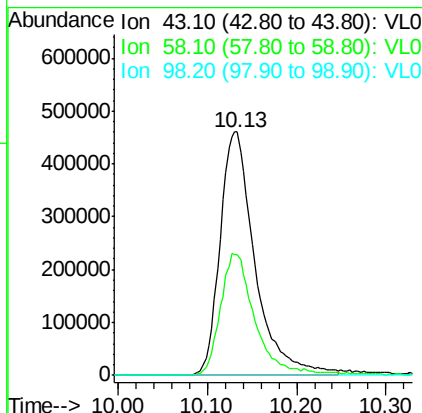
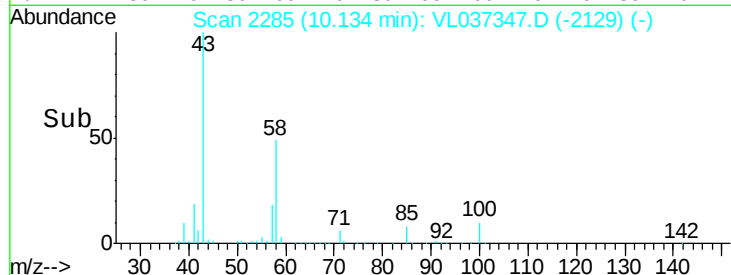
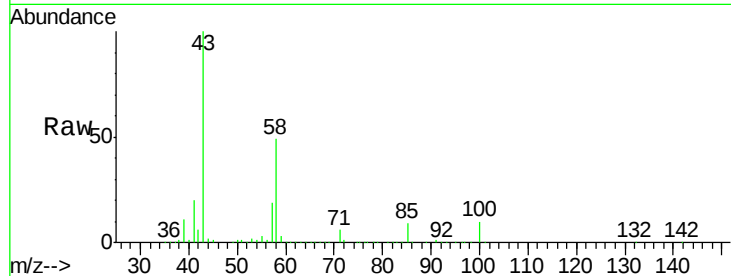
#51
2-Hexanone
Concen: 16.903 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VL037347.D
Acq: 6 Aug 2021 15:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 43 Resp: 1243426
Ion Ratio Lower Upper
43 100
58 50.1 41.0 61.6
98 0.3 0.2 0.2#

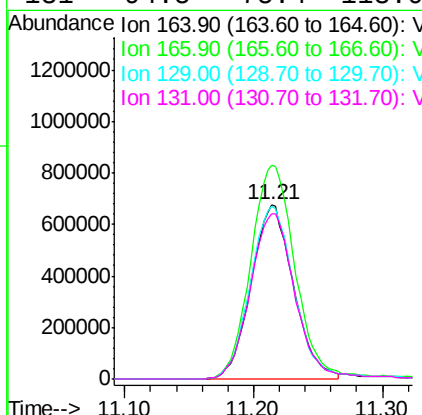
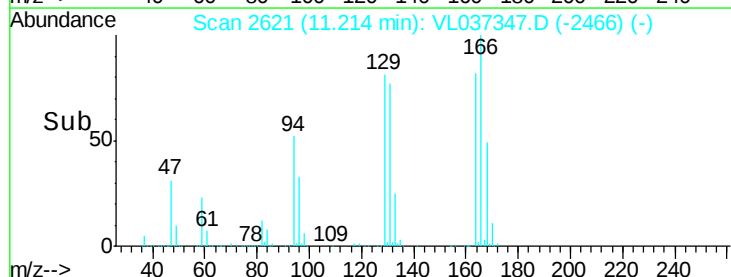
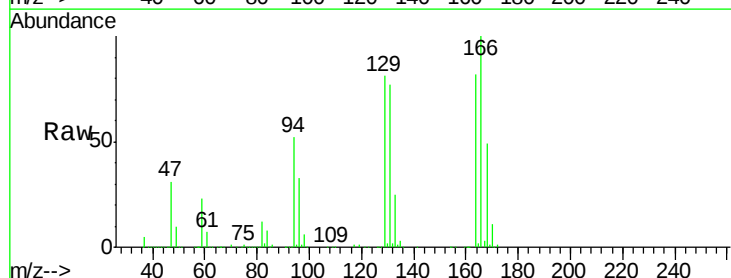
Manual Integrations
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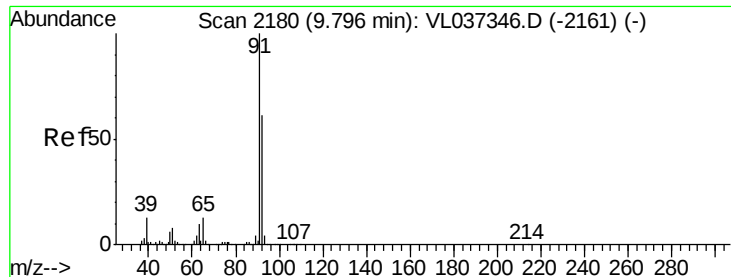
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#52
Tetrachloroethene
Concen: 13.275 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. -0.00 min
Lab File: VL037347.D
Acq: 6 Aug 2021 15:47

Tgt Ion:164 Resp: 1547118
Ion Ratio Lower Upper
164 100
166 122.3 99.4 149.0
129 98.8 79.2 118.8
131 94.5 75.4 113.0





#53

Toluene

Concen: 15.678 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.00 min

Lab File: VL037347.D

Acq: 6 Aug 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 4465916

Ion Ratio Lower Upper

91 100

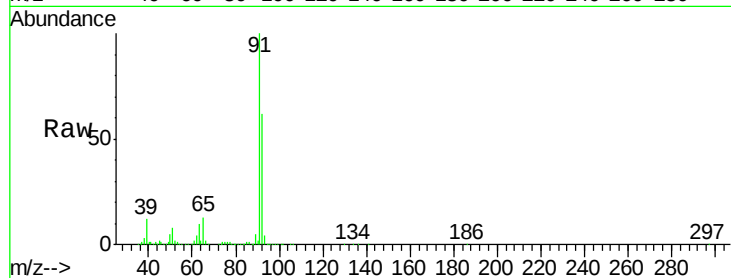
92 61.2 48.2 72.4

Manual Integrations

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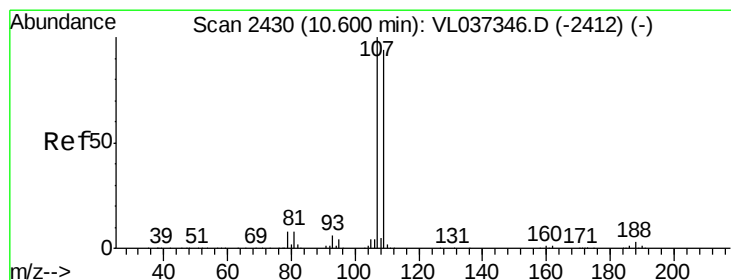
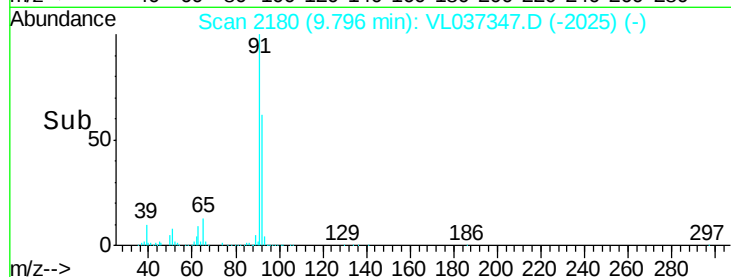
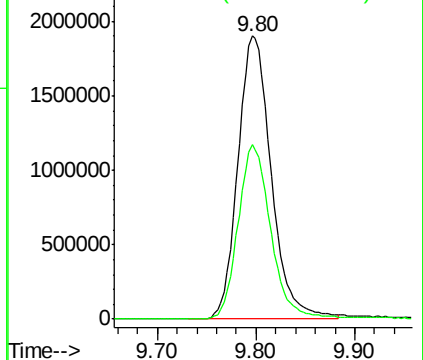
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 15.738 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VL037347.D

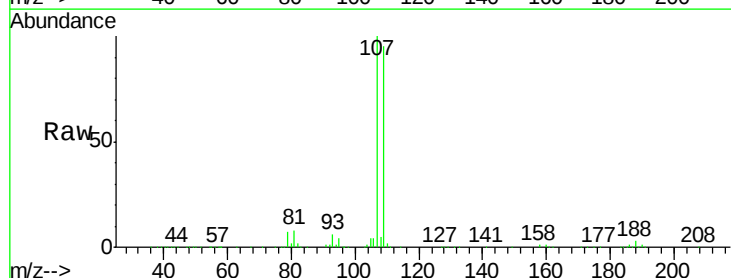
Acq: 6 Aug 2021 15:47

Tgt Ion: 107 Resp: 2236249

Ion Ratio Lower Upper

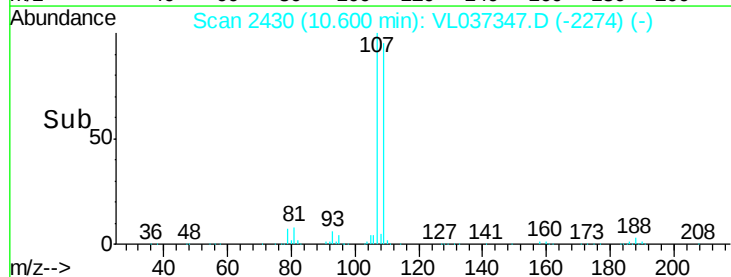
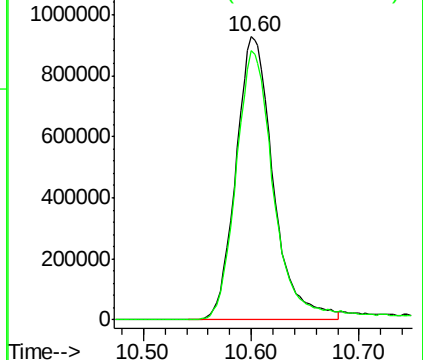
107 100

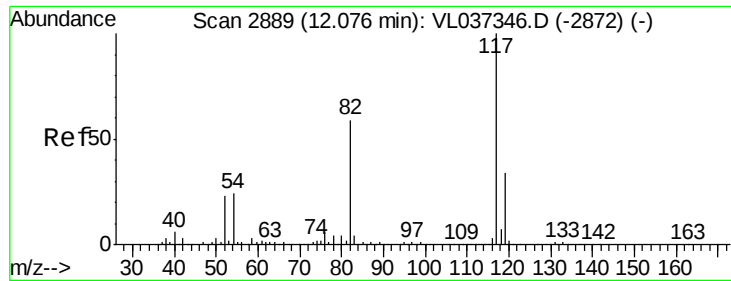
109 95.0 75.1 112.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





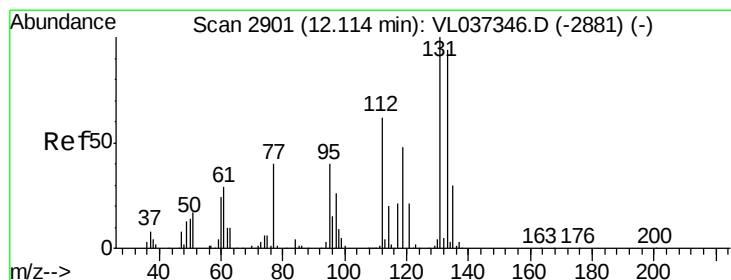
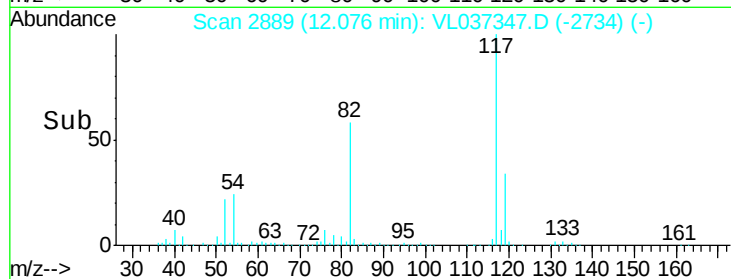
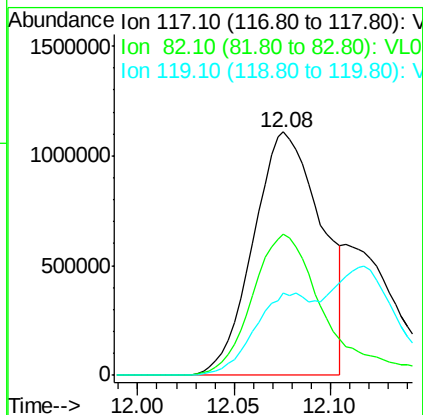
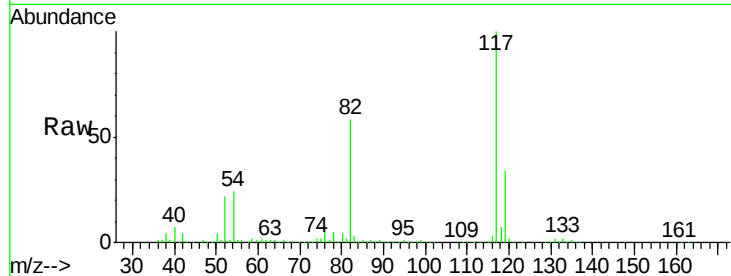
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2889
Delta R.T. -0.00 min
Lab File: VL037347.D
Acq: 6 Aug 2021 15:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
117	100		
82	66.3	46.0	69.0
119	80.3	24.4	36.6#

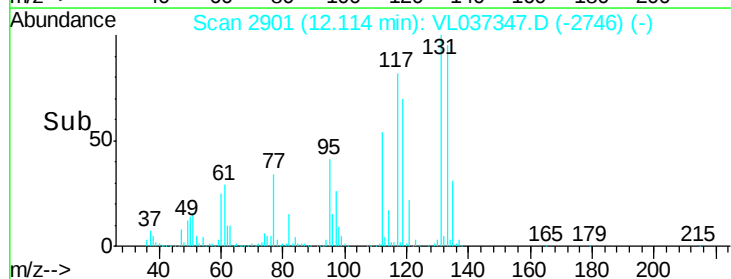
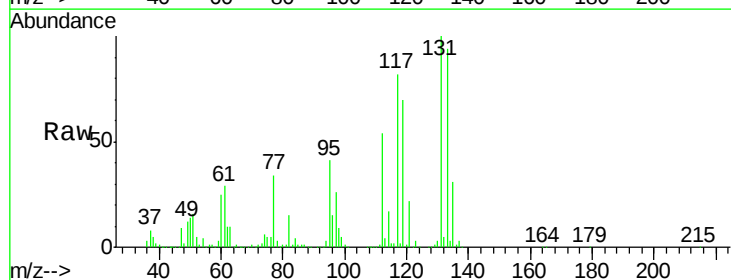
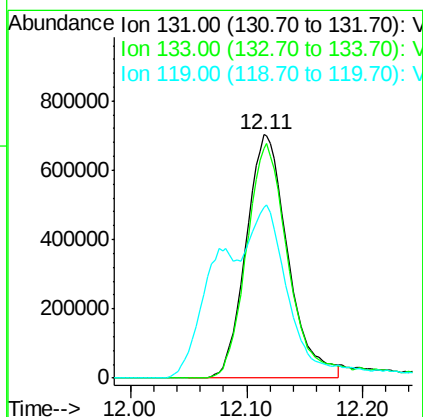
Manual Integrations
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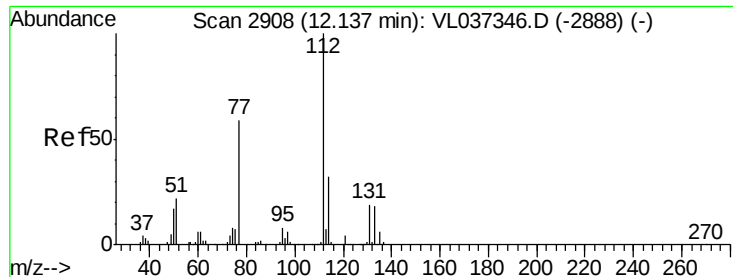
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#56
1,1,1,2-Tetrachloroethane
Concen: 15.580 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL037347.D
Acq: 6 Aug 2021 15:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	104.1	76.6	114.8
119	124.1	51.8	77.6#





#57

Chlorobenzene

Concen: 15.469 ppbv

RT: 12.14 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VL037347.D

Acq: 6 Aug 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:112 Resp: 3234951

Ion Ratio Lower Upper

112 100

77 59.5 48.1 72.1

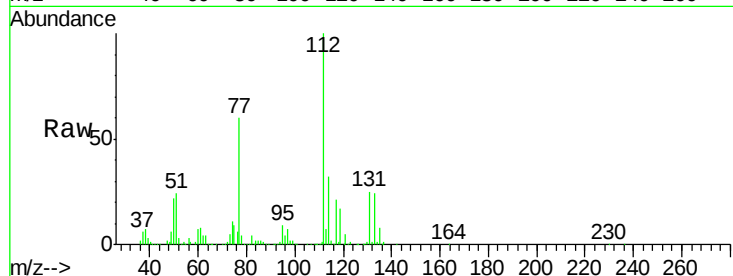
114 32.5 29.0 35.4

Manual Integrations

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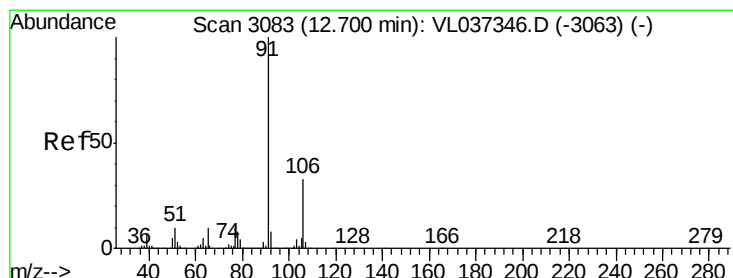
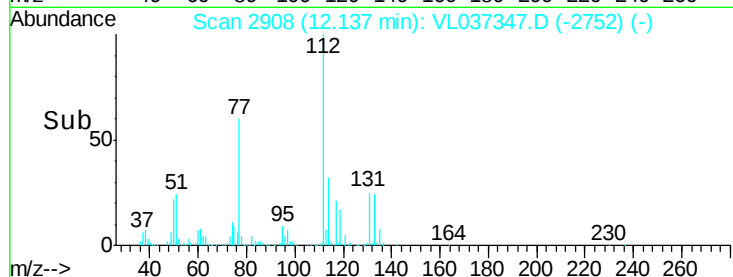
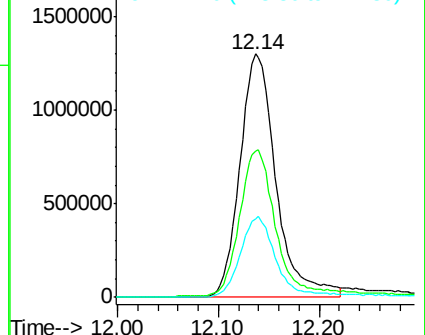
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 15.848 ppbv

RT: 12.70 min Scan# 3084

Delta R.T. 0.00 min

Lab File: VL037347.D

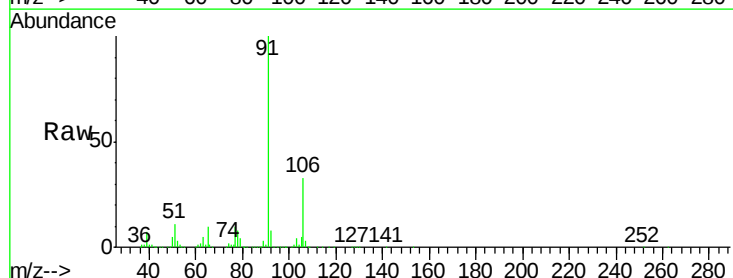
Acq: 6 Aug 2021 15:47

Tgt Ion: 91 Resp: 5525383

Ion Ratio Lower Upper

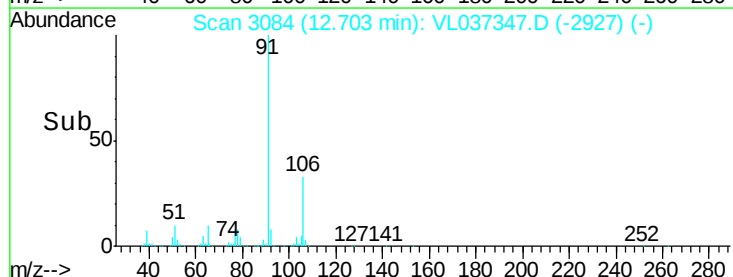
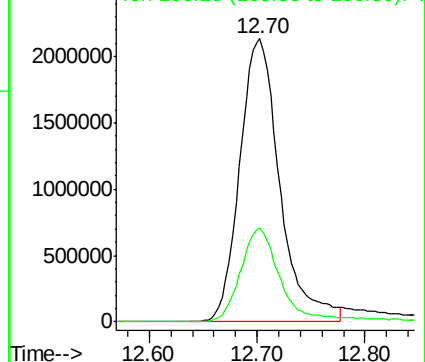
91 100

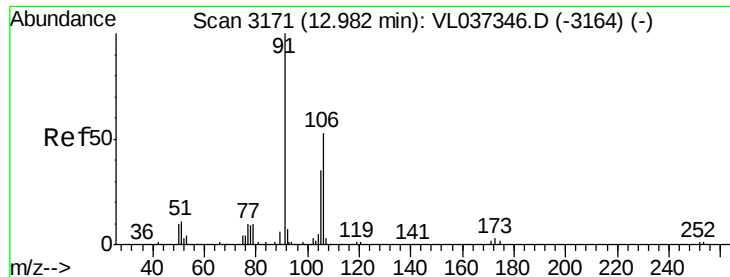
106 33.4 26.2 39.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





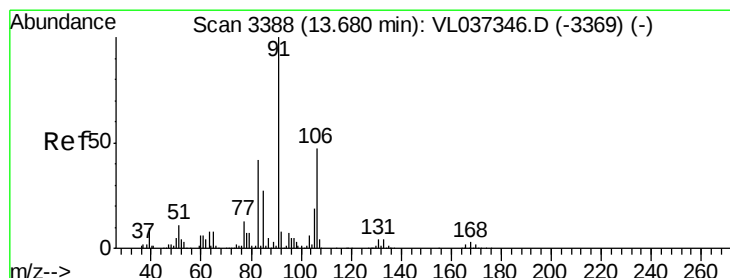
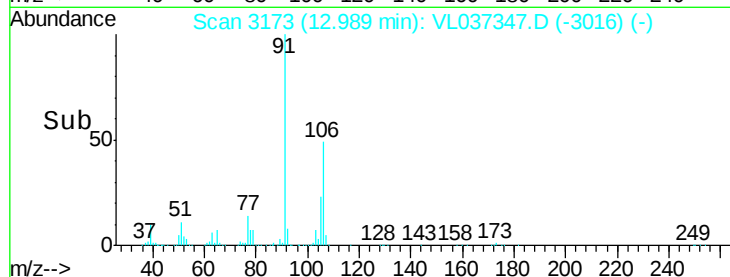
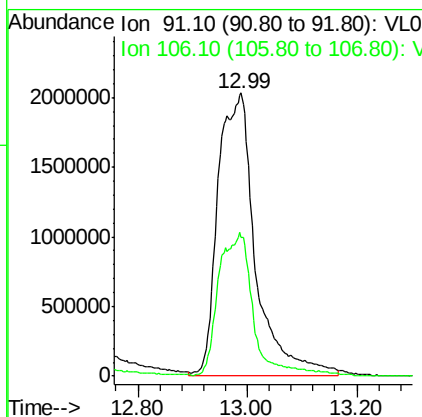
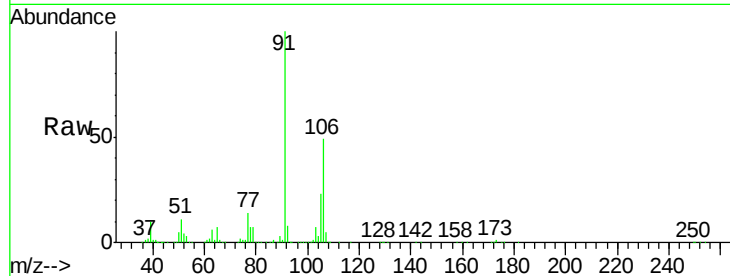
#59
m/p-Xylene
Concen: 31.972 ppbv m
RT: 12.99 min Scan# 3173
Delta R.T. 0.01 min
Lab File: VL037347.D
Acq: 6 Aug 2021 15:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 91 Resp: 9717851
Ion Ratio Lower Upper
91 100
106 47.2 37.0 55.6

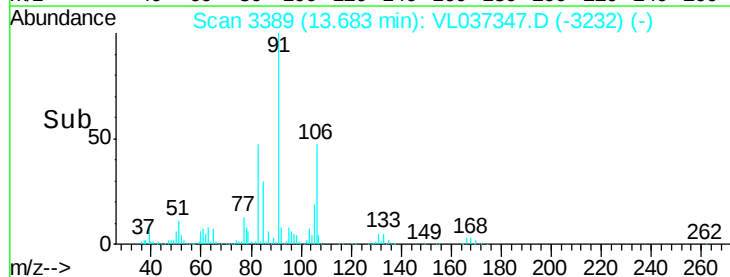
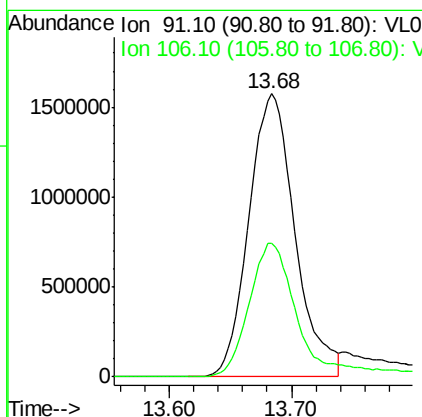
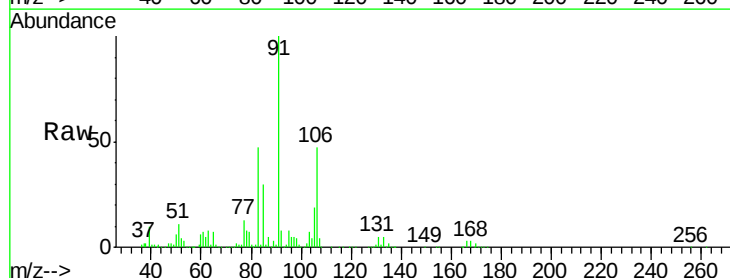
Manual Integrations
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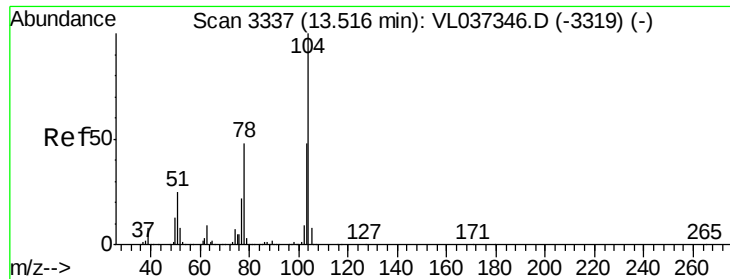
MMDadoda
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#60
o-Xylene
Concen: 14.655 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VL037347.D
Acq: 6 Aug 2021 15:47

Tgt Ion: 91 Resp: 4119586
Ion Ratio Lower Upper
91 100
106 52.2 23.1 69.3





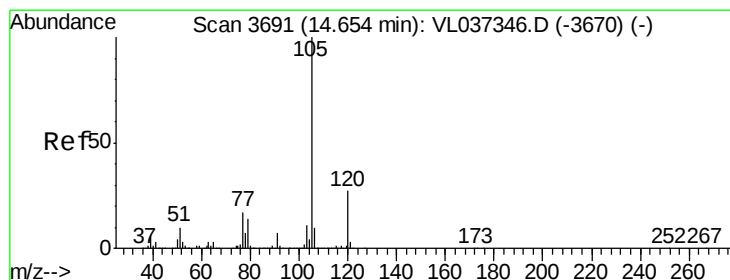
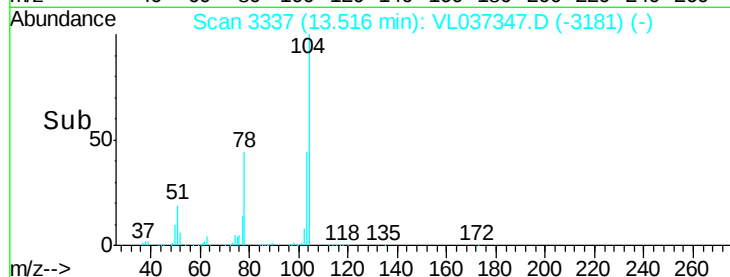
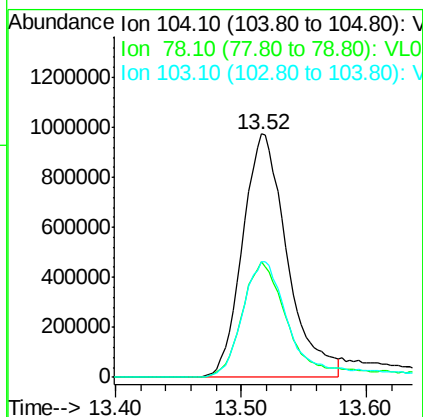
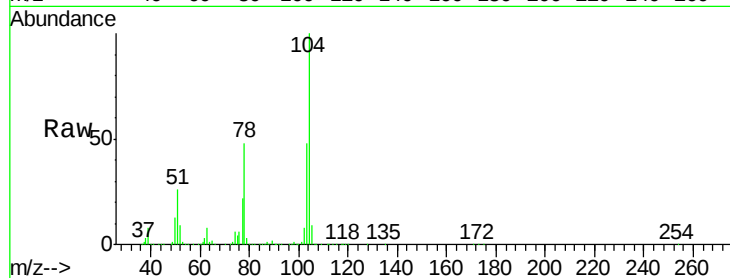
#61
Stvrene
Concen: 16.656 ppbv
RT: 13.52 min Scan# 3337
Delta R.T. -0.00 min
Lab File: VL037347.D
Acq: 6 Aug 2021 15:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.4	38.2	57.4
103	51.3	38.3	57.5

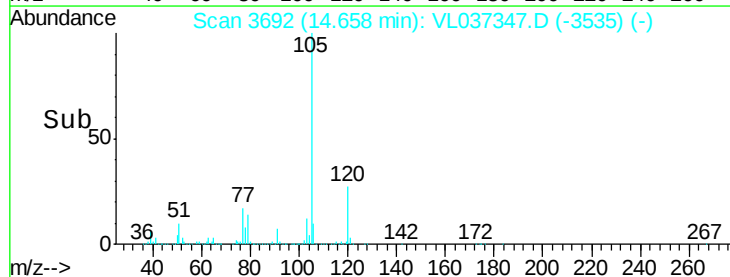
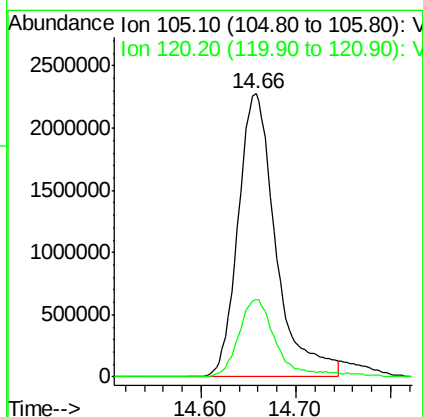
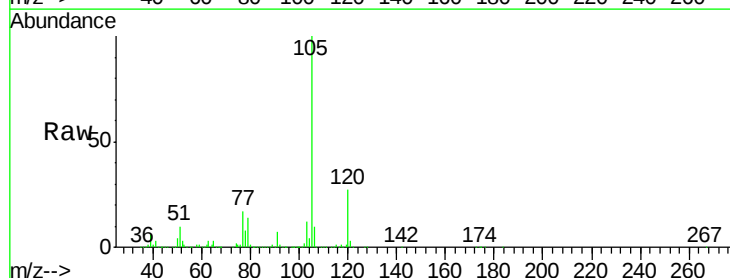
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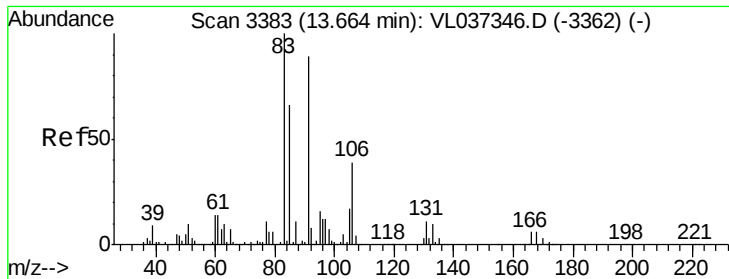
MMDadoda
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#62
Isopropylbenzene
Concen: 15.236 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. 0.00 min
Lab File: VL037347.D
Acq: 6 Aug 2021 15:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.0	21.4	32.2





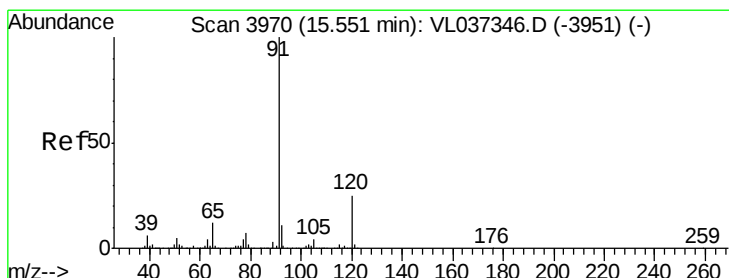
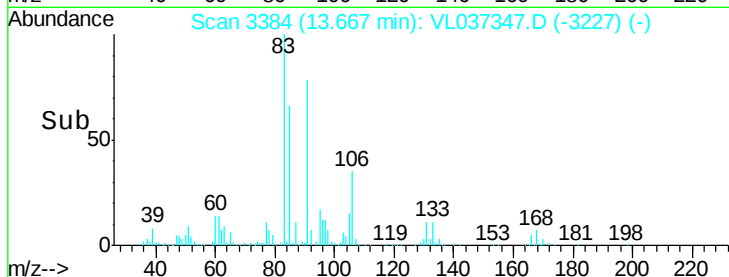
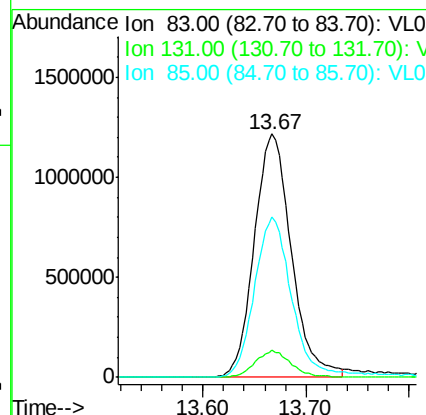
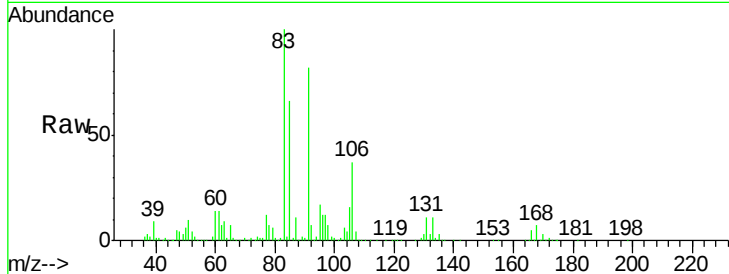
#63
 1,1,2,2-Tetrachloroethane
 Concen: 13.651 ppbv
 RT: 13.67 min Scan# 3384
 Delta R.T. 0.00 min
 Lab File: VL037347.D
 Acq: 6 Aug 2021 15:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	83	Resp	3032406
Ion Ratio	100	Lower	Upper
83	100		
131	11.3	5.3	16.1
85	68.3	33.1	99.2

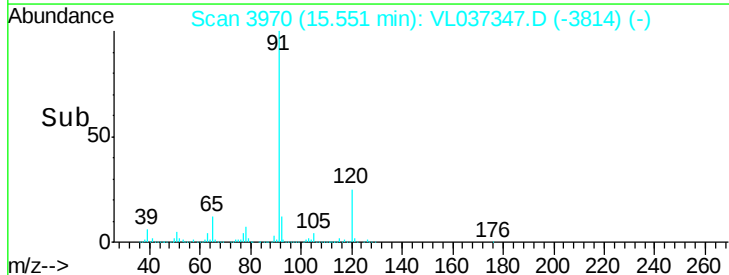
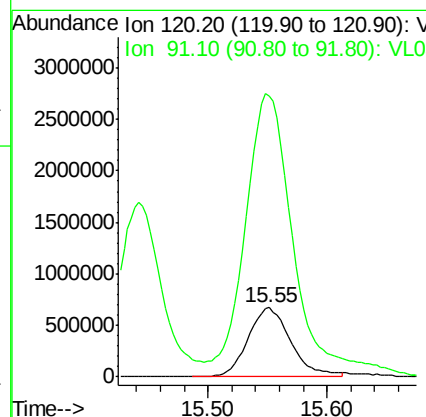
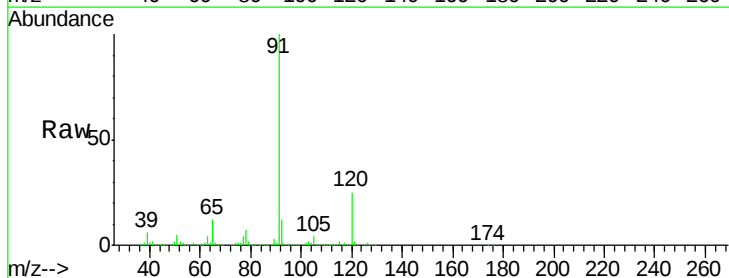
Manual Integrations
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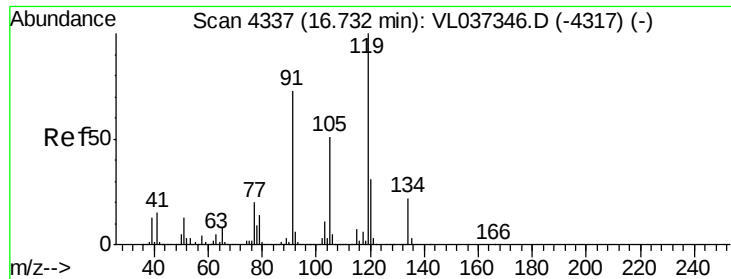
MMDadoda
 8/10/2021 6:09:37 PM



#64
 n-propylbenzene
 Concen: 16.030 ppbv
 RT: 15.55 min Scan# 3970
 Delta R.T. -0.00 min
 Lab File: VL037347.D
 Acq: 6 Aug 2021 15:47

Tgt Ion	120	Resp	1681516
Ion Ratio	100	Lower	Upper
120	100		
91	463.9	344.6	517.0





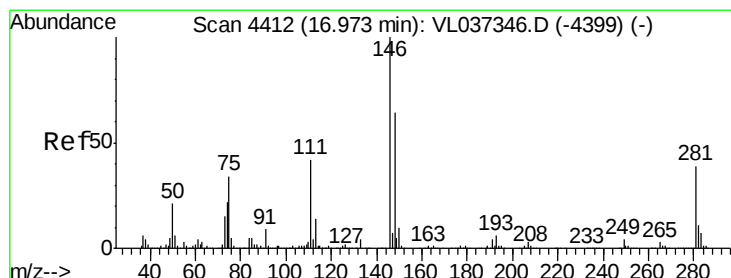
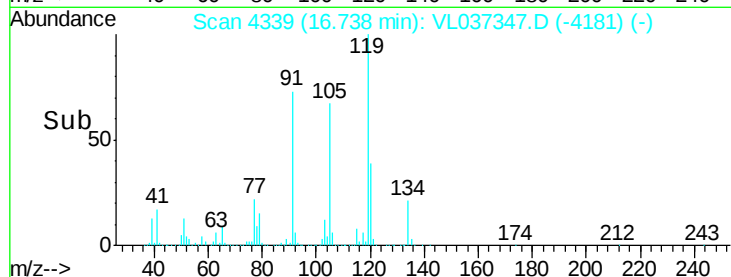
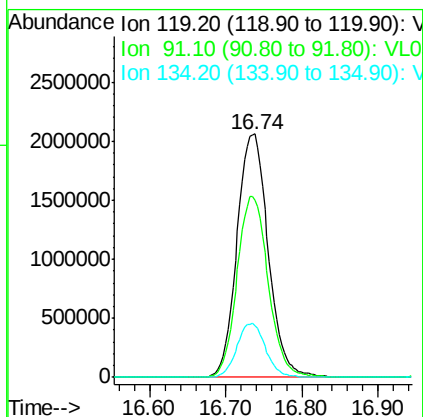
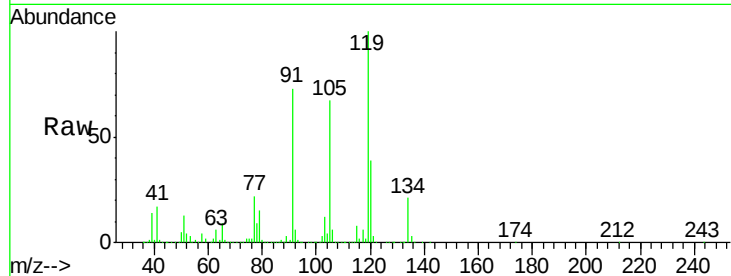
#65
tert-Butylbenzene
Concen: 15.447 ppbv
RT: 16.74 min Scan# 4339
Delta R.T. 0.01 min
Lab File: VL037347.D
Acq: 6 Aug 2021 15:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion:119 Resp: 5866470
Ion Ratio Lower Upper
119 100
91 74.3 59.6 89.4
134 20.6 16.6 24.8

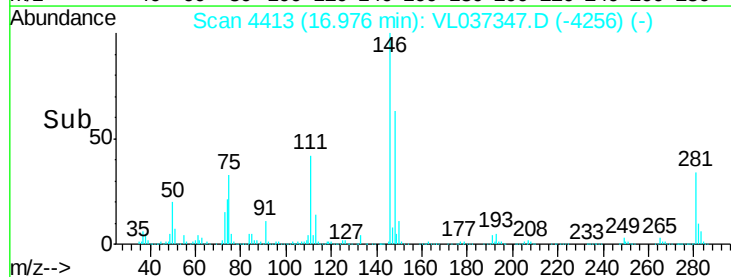
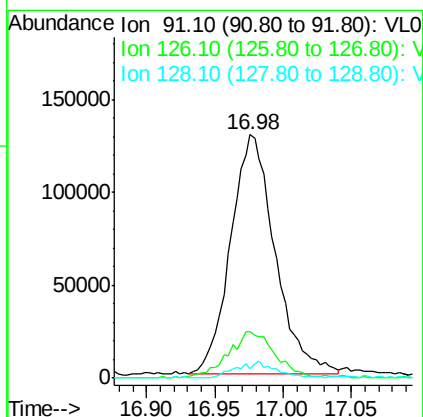
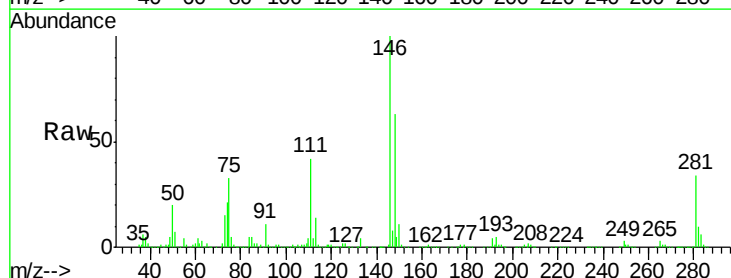
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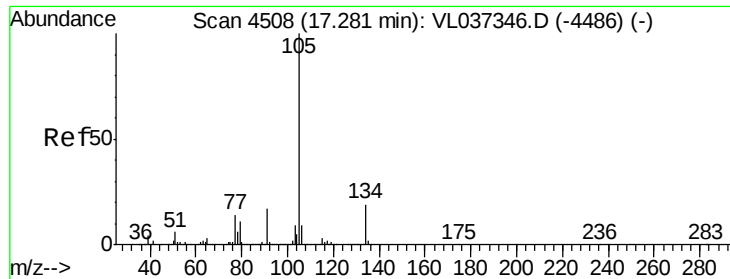
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#66
Benzyl Chloride
Concen: 19.231 ppbv
RT: 16.98 min Scan# 4413
Delta R.T. 0.00 min
Lab File: VL037347.D
Acq: 6 Aug 2021 15:47

Tgt Ion: 91 Resp: 290991
Ion Ratio Lower Upper
91 100
126 21.6 19.2 28.8
128 6.4 5.8 8.6





#67

sec-Butylbenzene

Concen: 15.731 ppbv

RT: 17.28 min Scan# 4509

Delta R.T. 0.00 min

Lab File: VL037347.D

Acq: 6 Aug 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp: 7906116

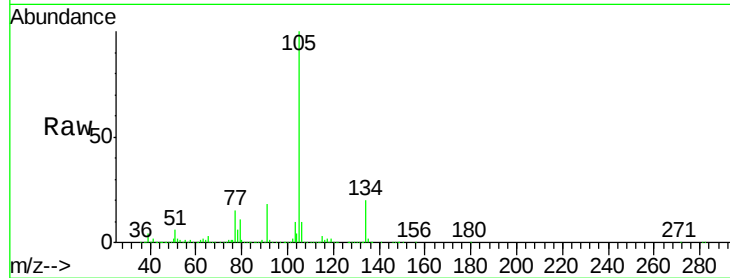
Ion Ratio Lower Upper

105 100

134 20.0 15.6 23.4

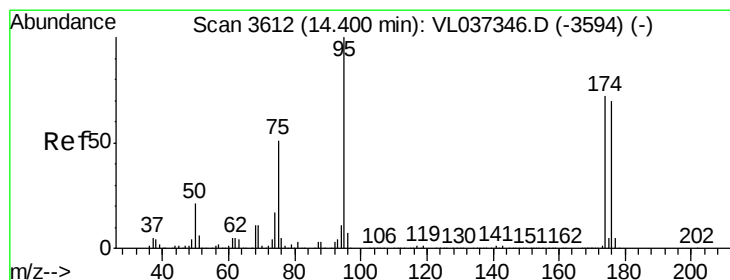
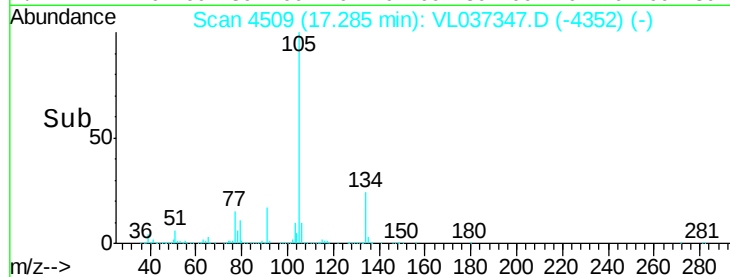
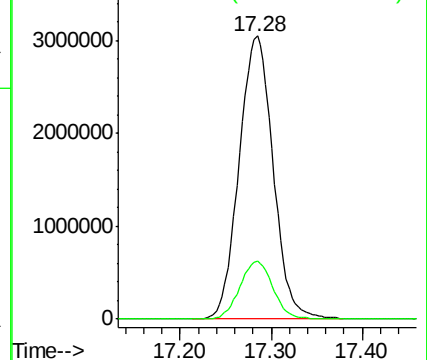
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.364 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. 0.00 min

Lab File: VL037347.D

Acq: 6 Aug 2021 15:47

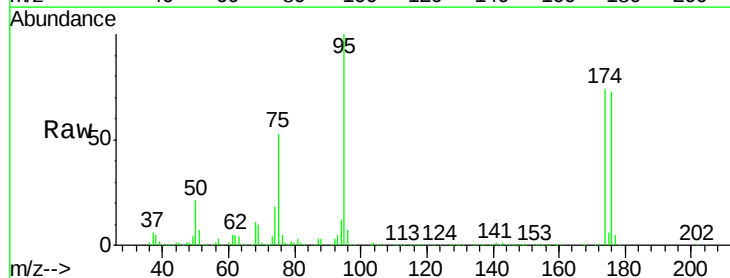
Tgt Ion: 95 Resp: 1958361

Ion Ratio Lower Upper

95 100

174 80.9 60.8 91.2

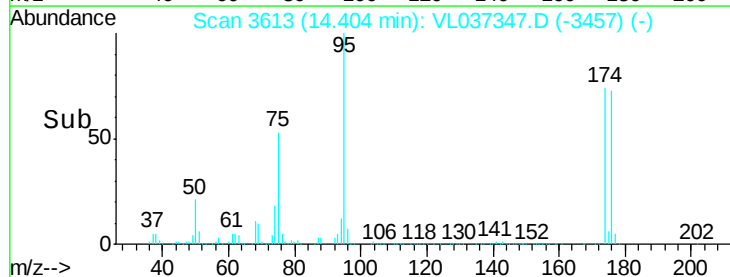
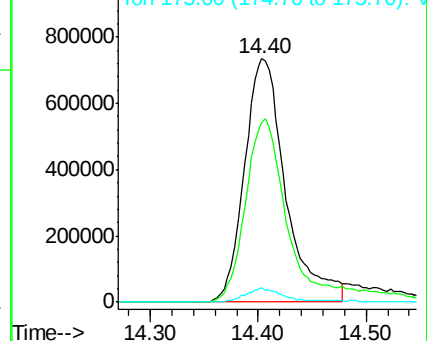
175 6.1 4.3 6.5

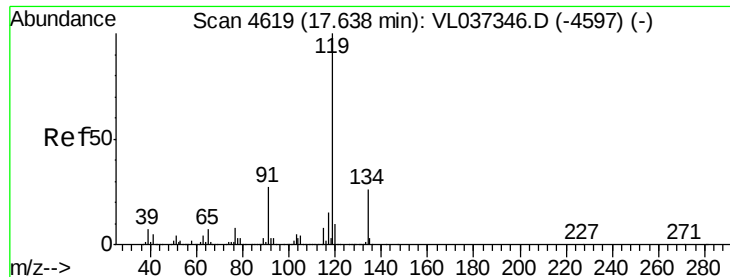


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





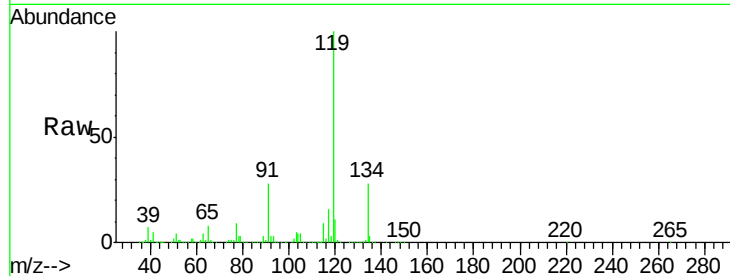
#69
p-Isopropyltoluene
Concen: 16.039 ppbv
RT: 17.64 min Scan# 4620
Delta R.T. 0.00 min
Lab File: VL037347.D
Acq: 6 Aug 2021 15:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

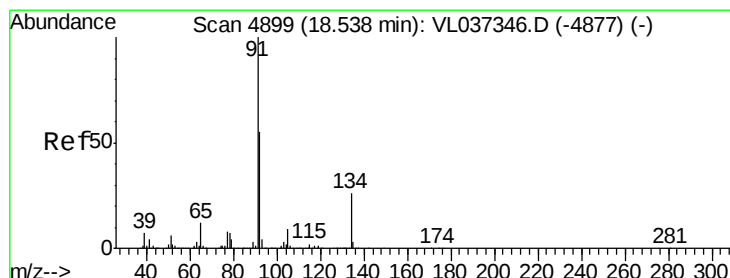
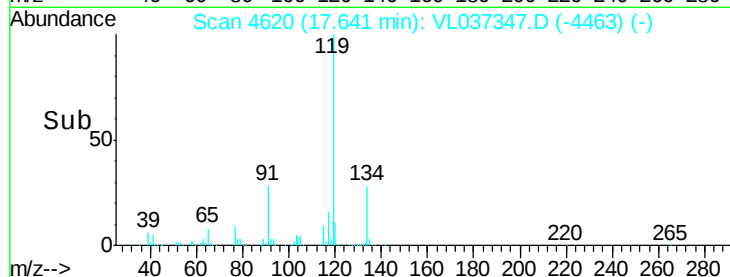
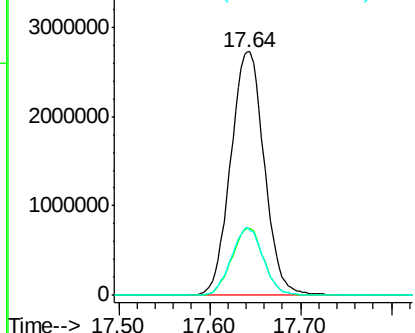
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	20.8	31.2
91	26.6	21.0	31.6

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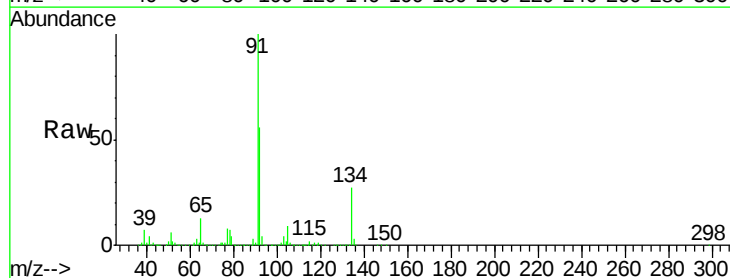


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

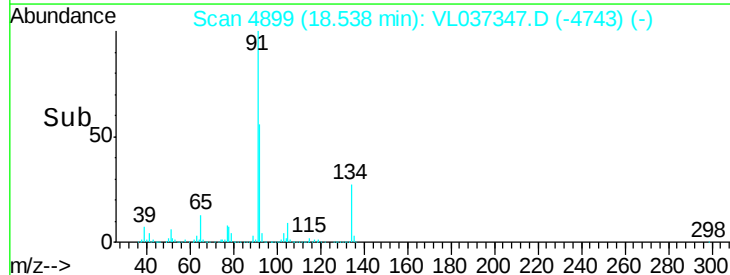
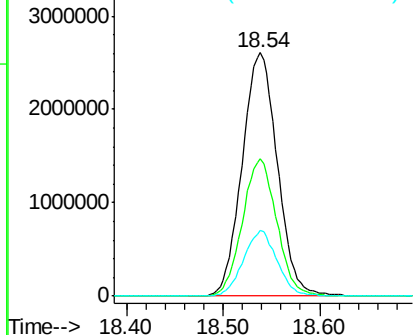


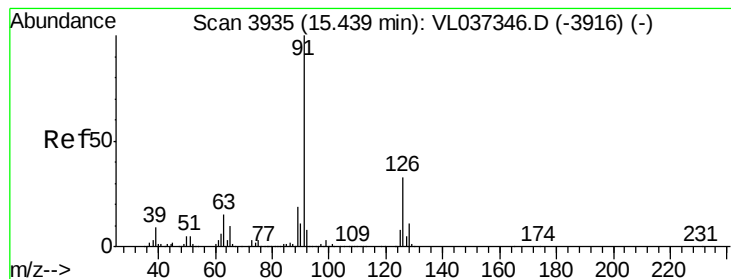
#70
n-Butylbenzene
Concen: 17.039 ppbv
RT: 18.54 min Scan# 4899
Delta R.T. 0.00 min
Lab File: VL037347.D
Acq: 6 Aug 2021 15:47

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.2	43.5	65.3
134	26.1	20.4	30.6



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V





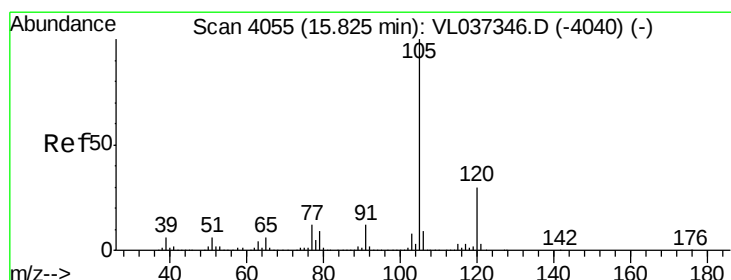
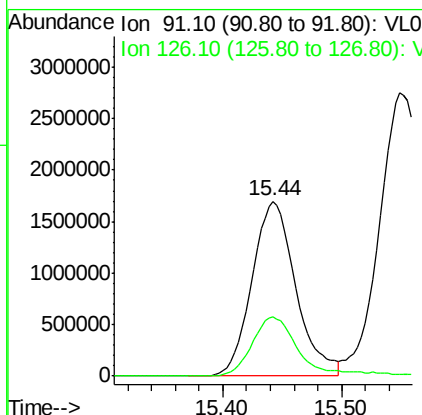
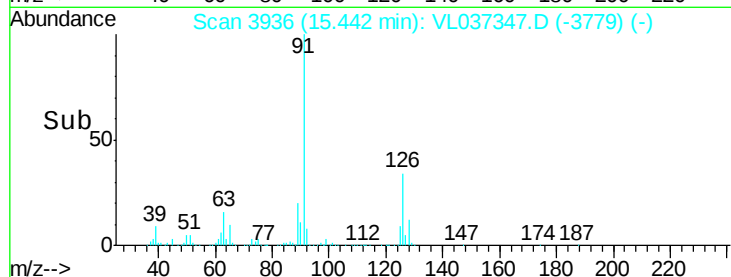
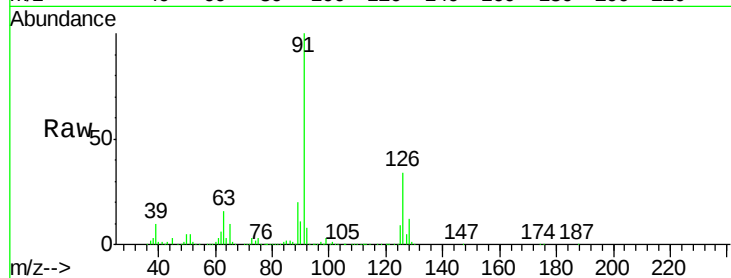
#71
 2-Chlorotoluene
 Concen: 15.618 ppbv
 RT: 15.44 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VL037347.D
 Acq: 6 Aug 2021 15:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 91 Resp: 4332881
 Ion Ratio Lower Upper
 91 100
 126 36.7 13.4 53.6

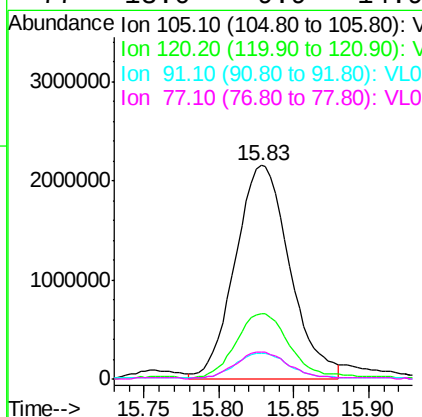
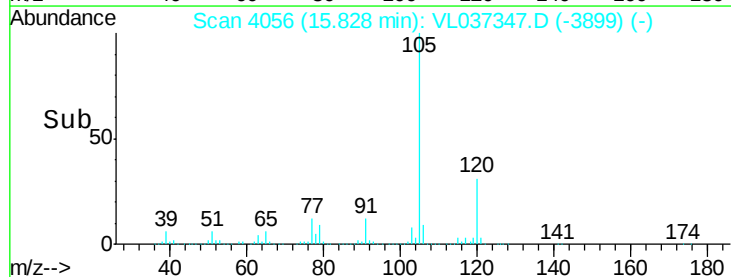
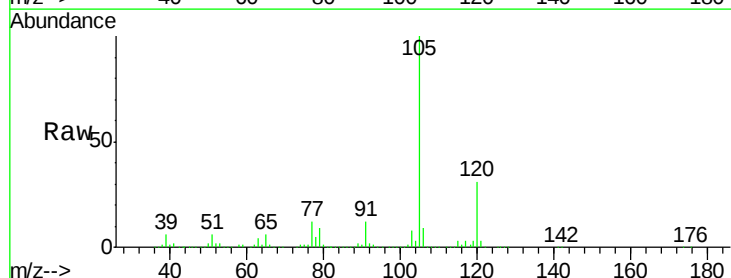
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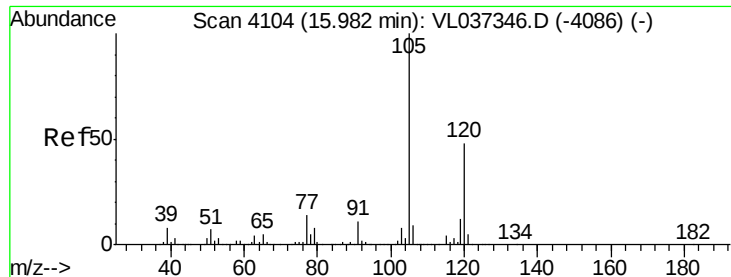
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#72
 4-Ethyltoluene
 Concen: 16.449 ppbv
 RT: 15.83 min Scan# 4056
 Delta R.T. 0.00 min
 Lab File: VL037347.D
 Acq: 6 Aug 2021 15:47

Tgt Ion: 105 Resp: 5463964
 Ion Ratio Lower Upper
 105 100
 120 31.8 24.4 36.6
 91 11.9 9.8 14.6
 77 13.0 9.9 14.9





#73

1,3,5-Trimethylbenzene

Concen: 16.383 ppbv

RT: 15.99 min Scan# 4105

Delta R.T. 0.00 min

Lab File: VL037347.D

Acq: 6 Aug 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp: 5144282

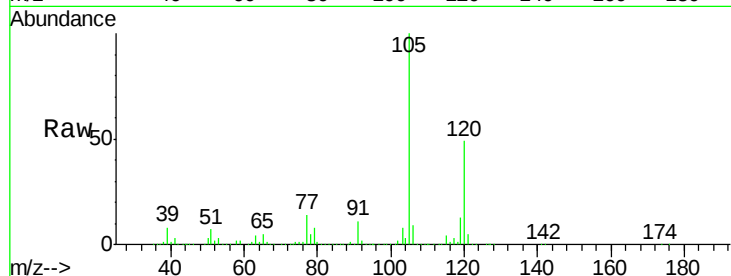
Ion Ratio Lower Upper

105 100

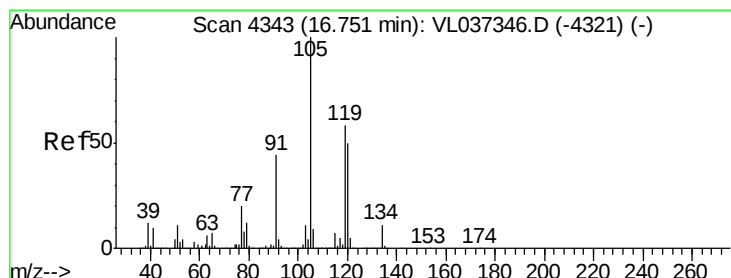
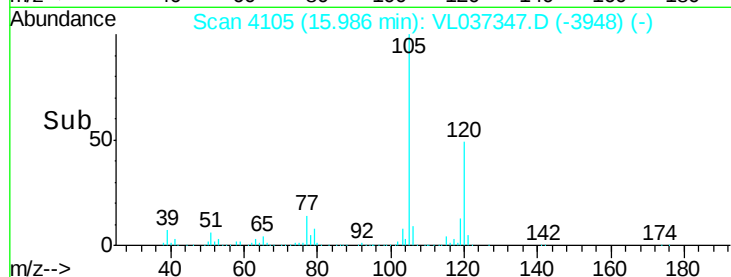
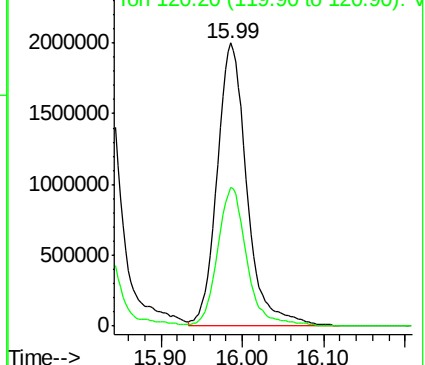
120 49.1 38.1 57.1

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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: 15.939 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. 0.00 min

Lab File: VL037347.D

Acq: 6 Aug 2021 15:47

Tgt Ion:105 Resp: 5254084

Ion Ratio Lower Upper

105 100

120 49.8 39.7 59.5

91 43.1 35.0 52.6

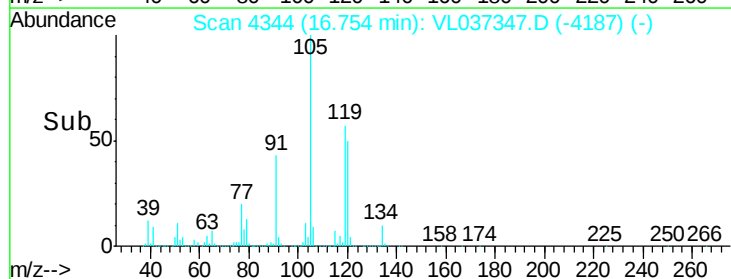
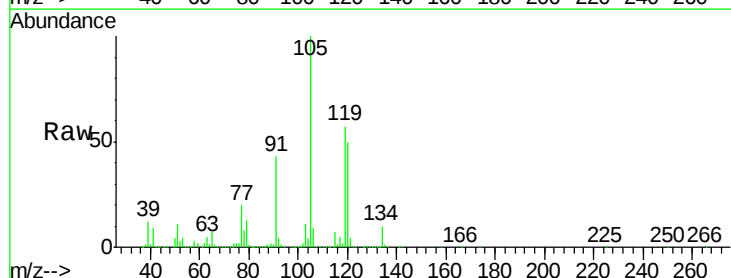
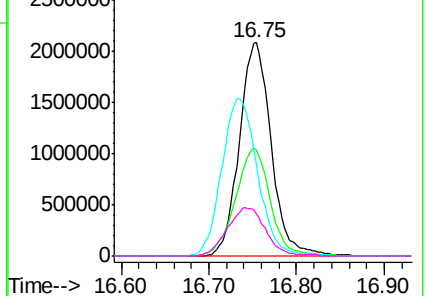
77 19.7 16.1 24.1

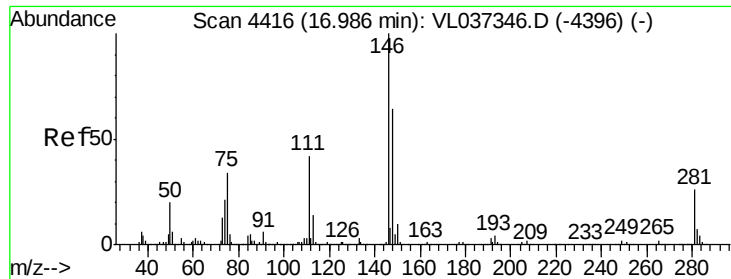
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V





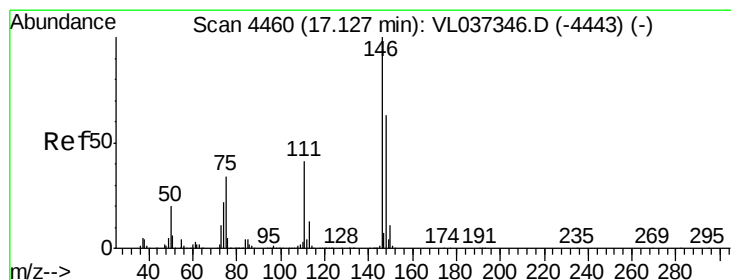
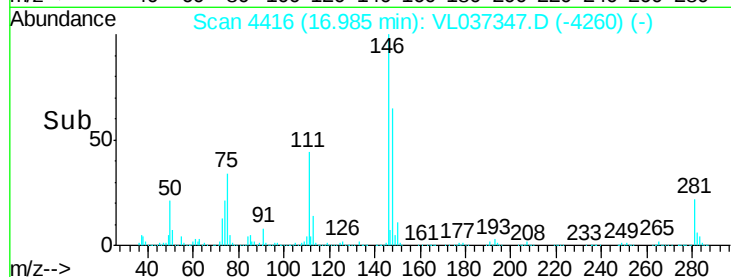
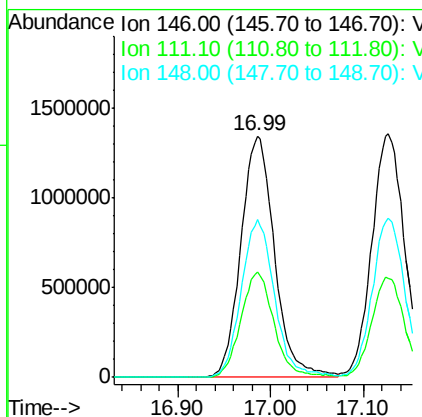
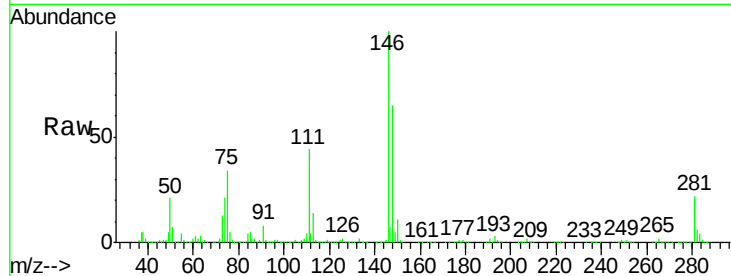
#75
 1,3-Dichlorobenzene
 Concen: 16.268 ppbv
 RT: 16.99 min Scan# 4416
 Delta R.T. -0.00 min
 Lab File: VL037347.D
 Acq: 6 Aug 2021 15:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.5	64.5
148	64.7	32.2	96.6

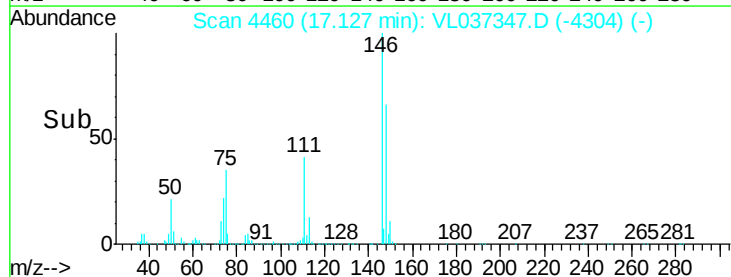
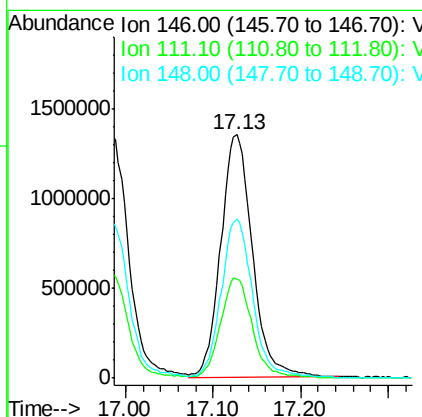
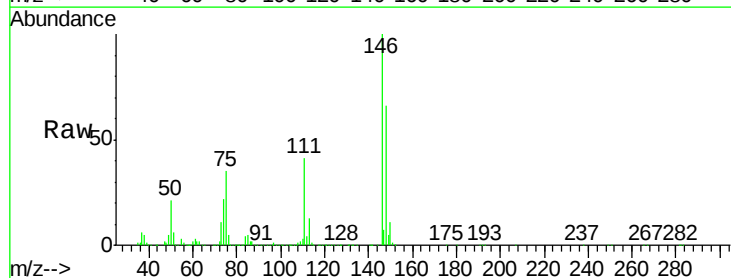
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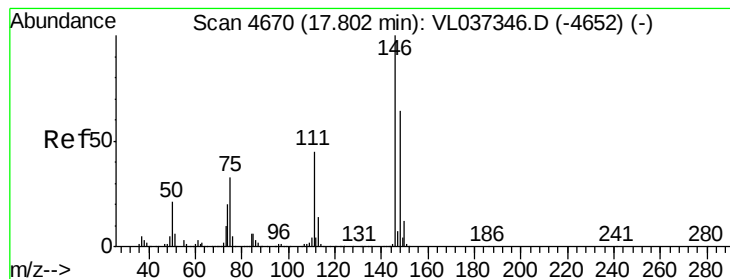
MMDadoda
 8/10/2021 6:09:37 PM



#76
 1,4-Dichlorobenzene
 Concen: 16.696 ppbv
 RT: 17.13 min Scan# 4460
 Delta R.T. -0.00 min
 Lab File: VL037347.D
 Acq: 6 Aug 2021 15:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.1	63.3
148	65.3	32.8	98.4





#77

1,2-Dichlorobenzene

Concen: 16.324 ppbv

RT: 17.81 min Scan# 4671

Delta R.T. 0.00 min

Lab File: VL037347.D

Acq: 6 Aug 2021 15:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:146 Resp: 3305765

Ion Ratio Lower Upper

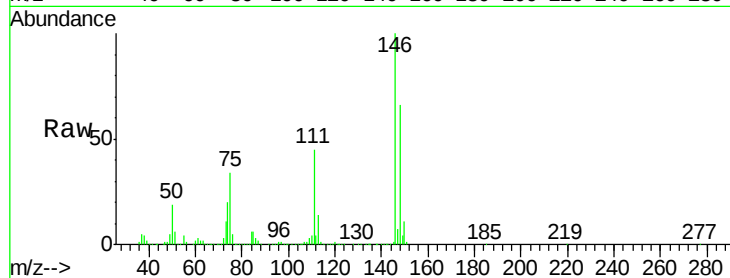
146 100

111 44.5 22.4 67.2

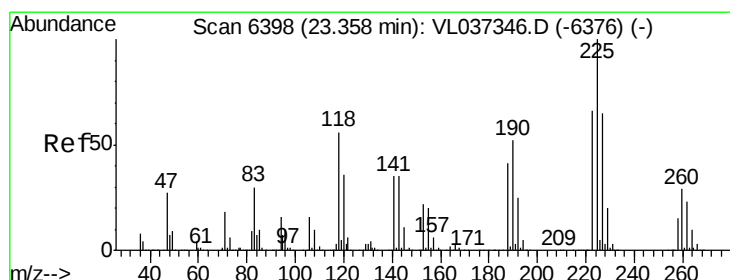
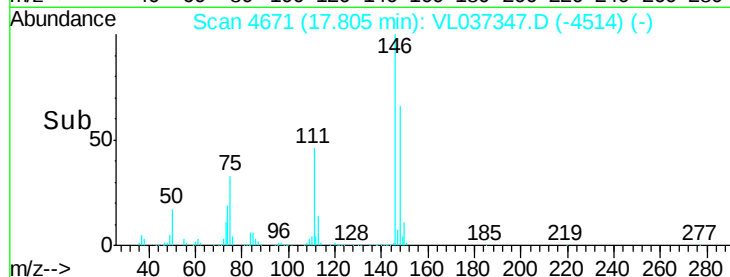
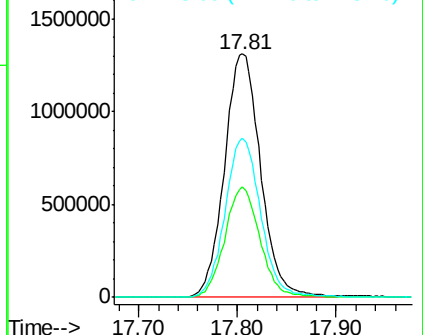
148 64.8 32.9 98.6

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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: 14.861 ppbv

RT: 23.36 min Scan# 6399

Delta R.T. 0.00 min

Lab File: VL037347.D

Acq: 6 Aug 2021 15:47

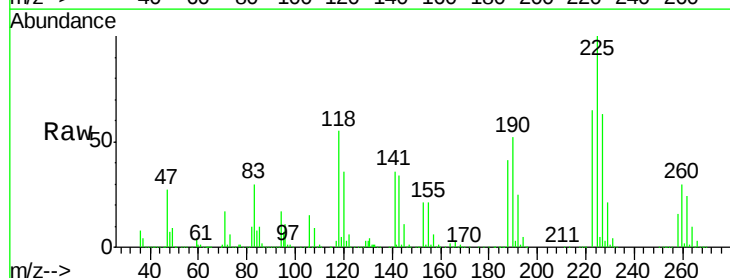
Tgt Ion:225 Resp: 2383225

Ion Ratio Lower Upper

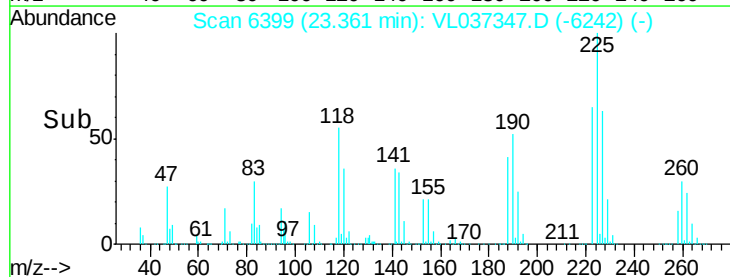
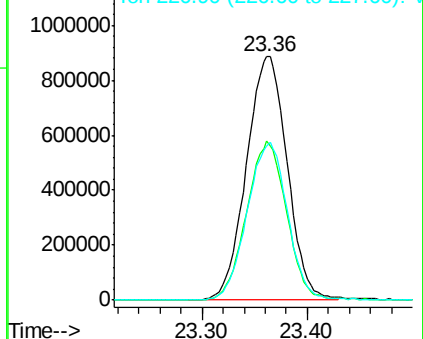
225 100

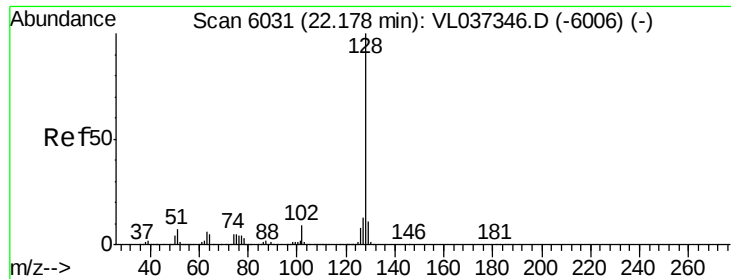
223 64.2 51.3 76.9

227 64.7 51.6 77.4



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





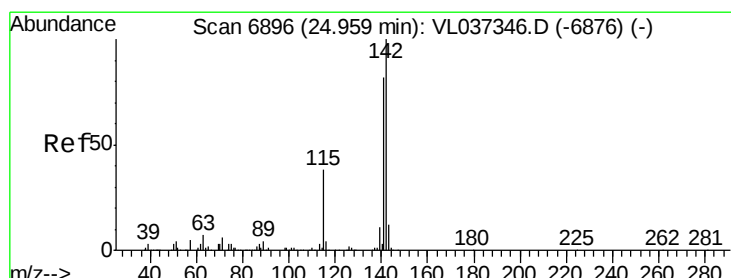
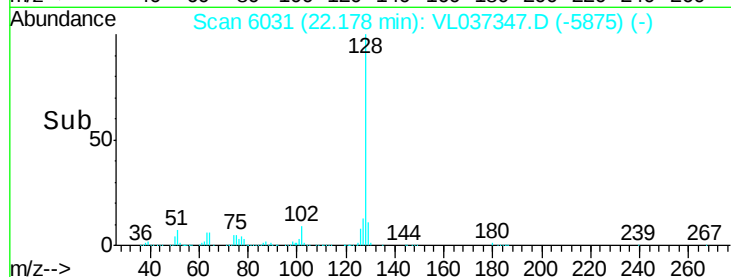
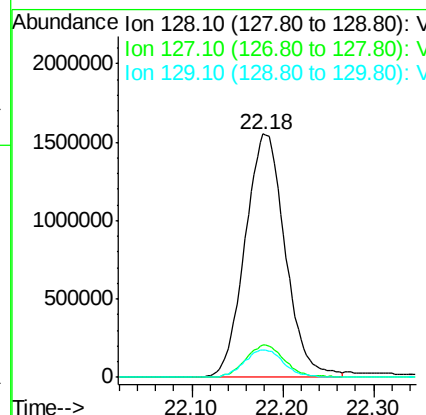
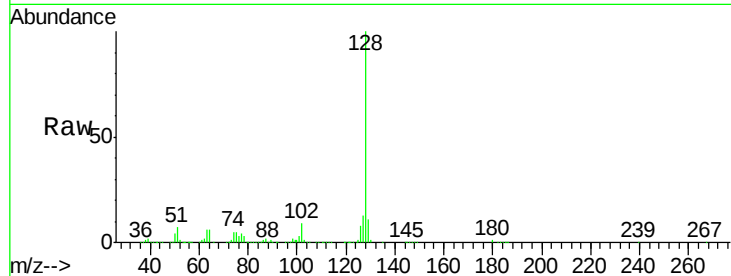
#79
Naphthalene
Concen: 20.477 ppbv
RT: 22.18 min Scan# 6031
Delta R.T. -0.00 min
Lab File: VL037347.D
Acq: 6 Aug 2021 15:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion:128 Resp: 4759364
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.2
129 11.2 8.8 13.2

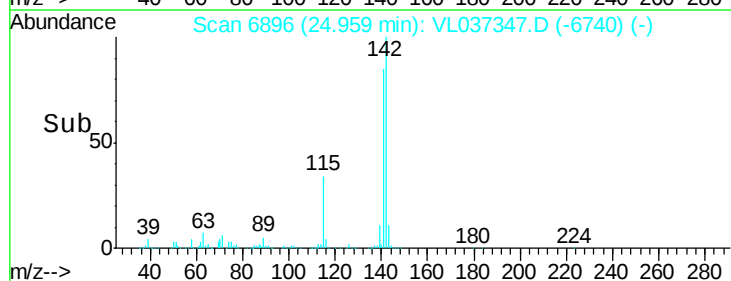
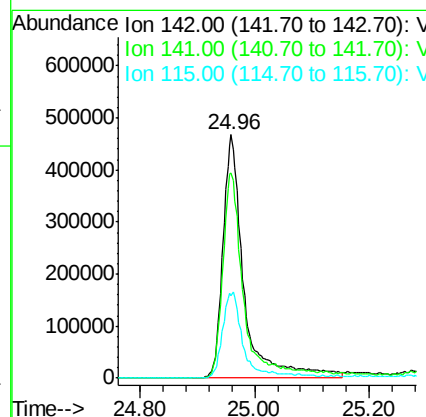
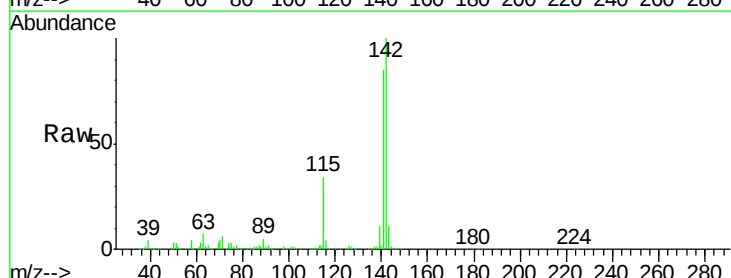
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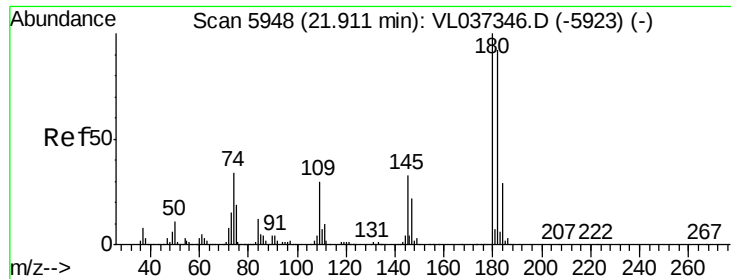
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#80
Naphthalene, 2-methyl-
Concen: 28.472 ppbv
RT: 24.96 min Scan# 6896
Delta R.T. -0.00 min
Lab File: VL037347.D
Acq: 6 Aug 2021 15:47

Tgt Ion:142 Resp: 1198896
Ion Ratio Lower Upper
142 100
141 88.2 67.2 100.8
115 34.3 29.4 44.2





#81
 1,2,4-Trichlorobenzene
 Concen: 18.449 ppbv
 RT: 21.91 min Scan# 5947
 Delta R.T. -0.00 min
 Lab File: VL037347.D
 Acq: 6 Aug 2021 15:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	78.1	117.1
184	31.7	24.9	37.3

Manual Integrations
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