

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL060821\
 Data File : VL037142.D
 Acq On : 8 Jun 2021 21:36
 Operator : SY/AP
 Sample : VL0608ABS02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0608ABS02

Manual Integrations
 APPROVED

SAM
 6/14/2021 11:59:46 AM

Quant Time: Jun 09 03:28:40 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1345438	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4049196	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3827133m	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2996493	10.42	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2008651	8.800	ppbv	98
3) Chlorodifluoromethane	2.98	51	2671788	10.839	ppbv	96
4) Chloromethane	3.14	50	893142	10.648	ppbv	98
5) Vinyl Chloride	3.25	62	988111	10.778	ppbv	99
6) Bromomethane	3.47	94	572278	11.846	ppbv	99
7) Chloroethane	3.56	64	363463	12.209	ppbv	100
8) Dichlorotetrafluoroethane	3.19	85	2565382	11.971	ppbv	98
9) Propene	3.01	41	839310	9.509	ppbv	99
10) Heptane	8.12	43	2159378	9.817	ppbv	99
11) Trichlorofluoromethane	3.95	101	2623886	12.420	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1833040	12.181	ppbv	97
13) Ethanol	3.61	45	117672m	9.992	ppbv	
14) Bromoethene	3.74	108	783709	11.824	ppbv	99
15) Acetone	3.85	43	1316456	9.553	ppbv	97
16) 1,3-Butadiene	3.32	39	964721	11.268	ppbv	97
17) tert-Butyl alcohol	4.29	59	1329088	10.529	ppbv	99
18) 1,1-Dichloroethene	4.29	96	816384	11.732	ppbv	94
19) Isopropyl Alcohol	3.97	45	807069	10.895	ppbv #	37
20) Methylene Chloride	4.34	84	703487	9.523	ppbv	99
21) Allyl Chloride	4.41	41	1107444	10.652	ppbv	96
22) trans-1,2-Dichloroethene	4.88	96	806360	12.091	ppbv	95
23) Vinyl Acetate	5.07	43	2318831	10.601	ppbv #	98
24) 1,1-Dichloroethane	5.01	63	1825295	11.593	ppbv	100
25) Ethyl Acetate	5.68	43	3356447	10.136	ppbv	100
26) Hexane	5.68	57	1621838	9.587	ppbv	96
27) Carbon Disulfide	4.55	76	1774867	10.410	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2087506	10.294	ppbv	99
29) Chloroform	5.75	83	2713442	11.353	ppbv	97
30) Cyclohexane	7.13	84	1443933	10.044	ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	1658422	10.934	ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	2818320	10.982	ppbv	99
34) 2-Butanone	5.24	43	1573999	10.675	ppbv	99
35) Carbon Tetrachloride	7.02	117	3010053	11.188	ppbv	99
36) Benzene	6.89	78	3400512	9.750	ppbv	98
37) 1,2-Dichloroethane	6.30	62	2038612	11.789	ppbv	98
38) Trichloroethene	7.83	130	1459637	9.783	ppbv	99
39) 1,2-Dichloropropane	7.61	63	1299517	9.672	ppbv	94
40) 1,4-Dioxane	7.83	88	343510m	10.828	ppbv	
41) Tetrahydrofuran	6.05	42	762101	9.075	ppbv	97
42) Bromodichloromethane	7.79	83	2918906	11.158	ppbv	100
43) Methyl Methacrylate	8.01	69	1246164	10.366	ppbv	99

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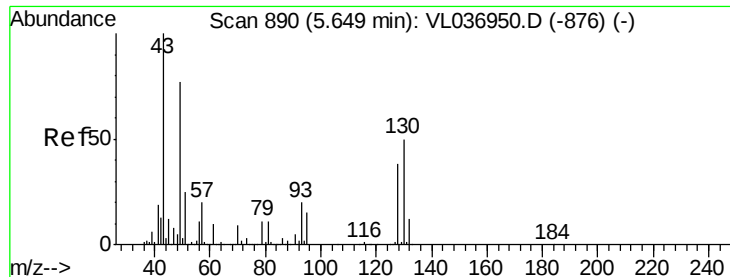
Manual Integrations
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SAM
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Quant Time: Jun 09 03:28:40 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5677641	9.488	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	966340	10.522	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1270202	10.282	ppbv	95
47) 1,1,2-Trichloroethane	9.47	97	1470647	10.458	ppbv	98
48) Dibromochloromethane	10.30	129	2621002	11.511	ppbv	99
49) Bromoform	13.04	173	2140871	11.385	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2454024	10.086	ppbv	98
51) 2-Hexanone	10.14	43	1287225	10.008	ppbv #	96
52) Tetrachloroethene	11.22	164	1426424	10.285	ppbv	97
53) Toluene	9.80	91	4115751	9.917	ppbv	99
54) 1,2-Dibromoethane	10.61	107	2199069	11.000	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1808344	11.230	ppbv #	60
57) Chlorobenzene	12.14	112	3179716	10.715	ppbv	98
58) Ethyl Benzene	12.71	91	5529786	10.237	ppbv	99
59) m/p-Xylene	13.00	91	9314821m	20.862	ppbv	
60) o-Xylene	13.69	91	4453684	10.459	ppbv	99
61) Styrene	13.53	104	2560541	10.673	ppbv	97
62) Isopropylbenzene	14.67	105	6291716	10.281	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	3050854	9.593	ppbv	99
64) n-propylbenzene	15.56	120	1708844	10.822	ppbv	98
65) tert-Butylbenzene	16.74	119	5838174	10.572	ppbv	99
66) Benzyl Chloride	16.99	91	246964	8.060	ppbv	97
67) sec-Butylbenzene	17.29	105	7796191	10.349	ppbv	99
69) p-Isopropyltoluene	17.65	119	6919922	10.683	ppbv	99
70) n-Butylbenzene	18.55	91	6695958	10.882	ppbv	99
71) 2-Chlorotoluene	15.45	91	4631166	10.477	ppbv	98
72) 4-Ethyltoluene	15.84	105	5517446	10.917	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	5082804	10.709	ppbv	98
74) 1,2,4-Trimethylbenzene	16.76	105	5298164	10.796	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	3319465	11.077	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	3179390	10.494	ppbv	100
77) 1,2-Dichlorobenzene	17.82	146	3236993	10.780	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	2350800	9.736	ppbv	99
79) Naphthalene	22.19	128	4562404	11.849	ppbv	98
80) Naphthalene, 2-methyl-	24.97	142	744666	8.894	ppbv	94
81) 1,2,4-Trichlorobenzene	21.92	180	2619479	11.160	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.02 min

Lab File: VL037142.D

Acq: 8 Jun 2021 21:36

Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS02

Tot Ion: 49 Resp: 1345438

Ion Ratio Lower Upper

49 100

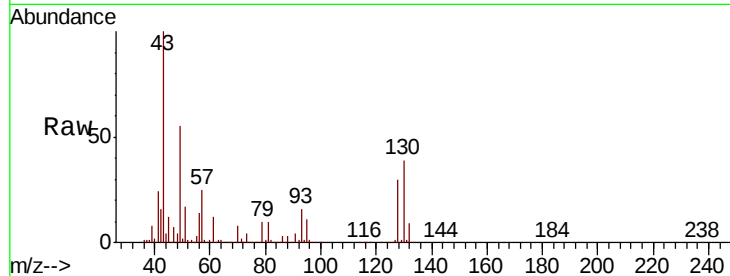
128 58.8 26.9 80.7

130 73.1 33.8 101.4

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6/14/2021 11:59:46 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

800000

600000

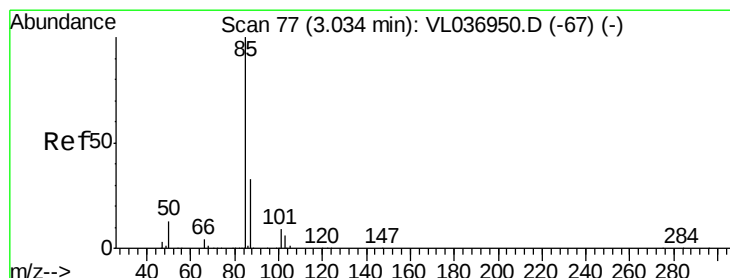
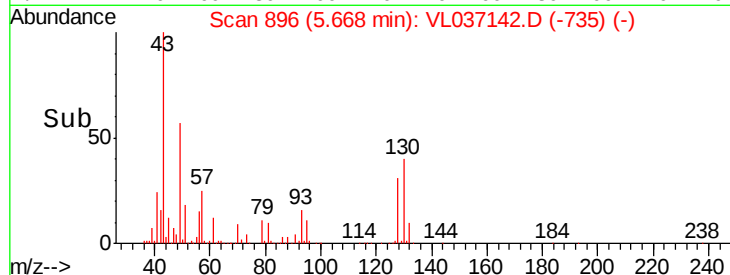
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 8.800 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.01 min

Lab File: VL037142.D

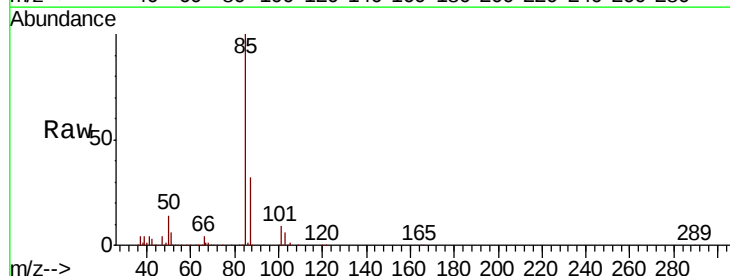
Acq: 8 Jun 2021 21:36

Tgt Ion: 85 Resp: 2008651

Ion Ratio Lower Upper

85 100

87 32.1 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

1500000

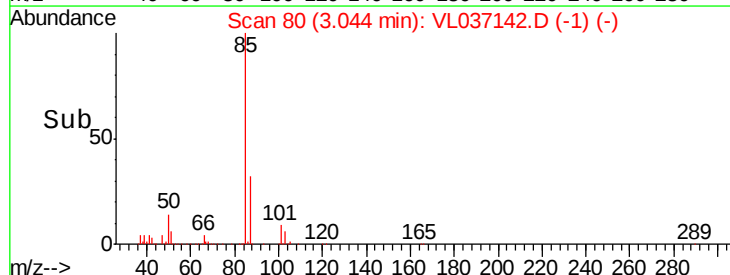
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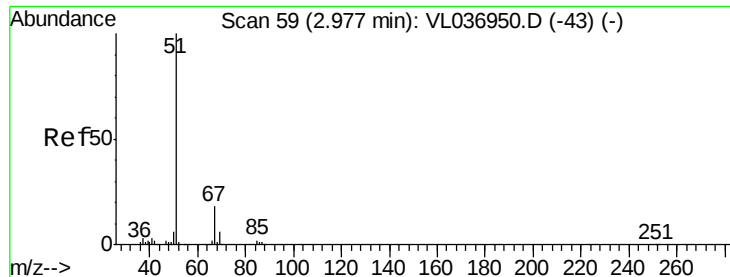
500000

0

3.00 3.05 3.10 3.15

Time-->





#3

Chlorodifluoromethane

Concen: 10.839 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.01 min

Lab File: VL037142.D

Acq: 8 Jun 2021 21:36

Tot Ion: 51 Resp: 2671788

Ion Ratio Lower Upper

51 100

67 19.8 14.6 21.8

Instrument :

MSVOA_L

ClientSampleId :

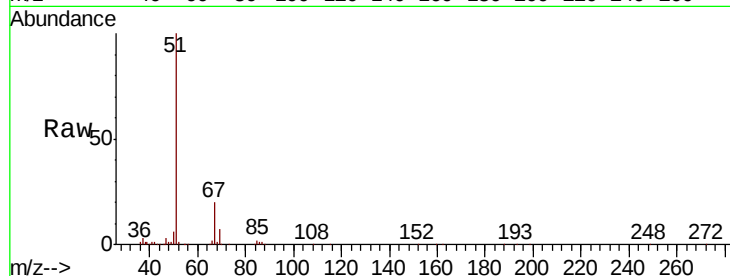
VL0608ABS02

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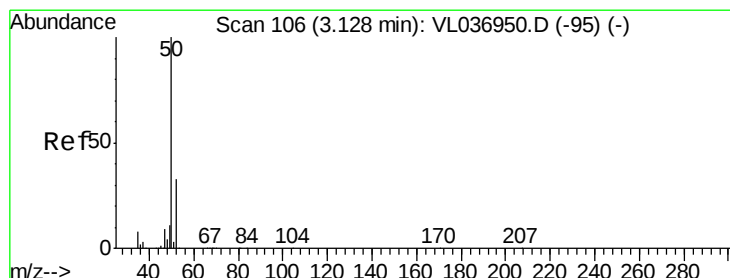
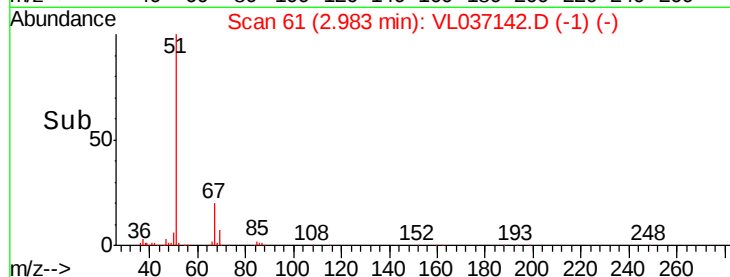
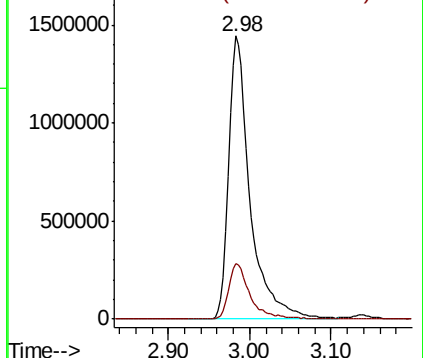
SAM

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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: 10.648 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.01 min

Lab File: VL037142.D

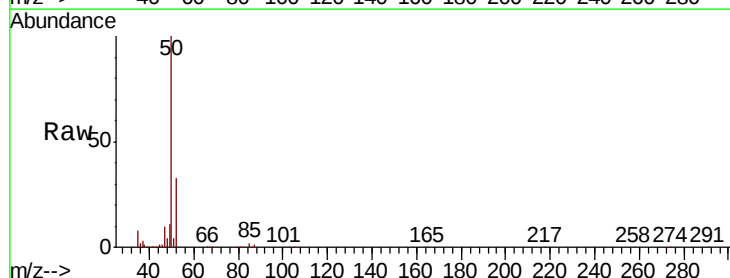
Acq: 8 Jun 2021 21:36

Tgt Ion: 50 Resp: 893142

Ion Ratio Lower Upper

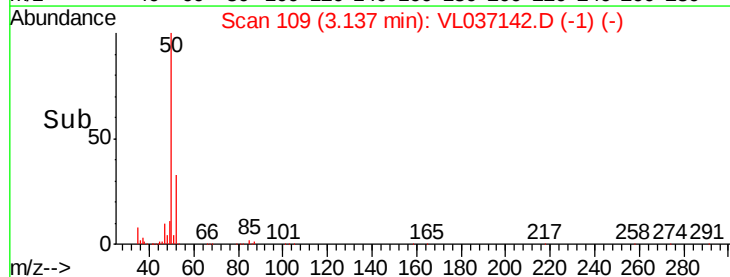
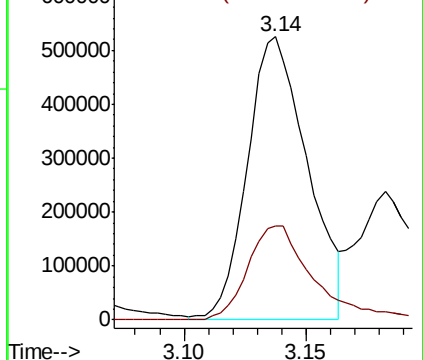
50 100

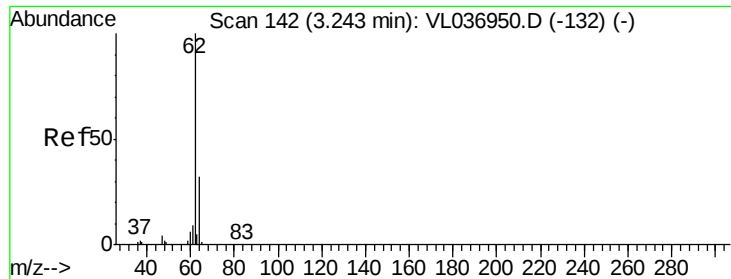
52 33.5 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.778 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.01 min

Lab File: VL037142.D

Acq: 8 Jun 2021 21:36

Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS02

Tot Ion: 62 Resp: 988111

Ion Ratio Lower Upper

62 100

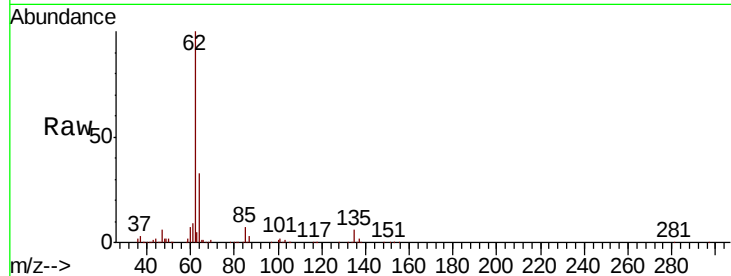
64 33.0 25.9 38.9

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6/14/2021 11:59:46 AM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

600000

500000

400000

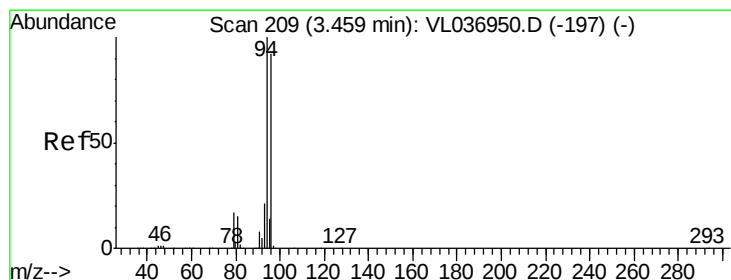
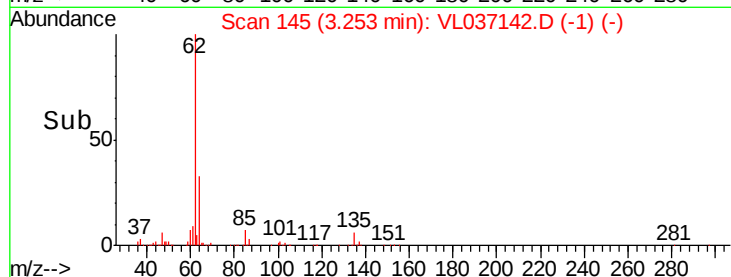
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200000

100000

0

Time-->



#6

Bromomethane

Concen: 11.846 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.01 min

Lab File: VL037142.D

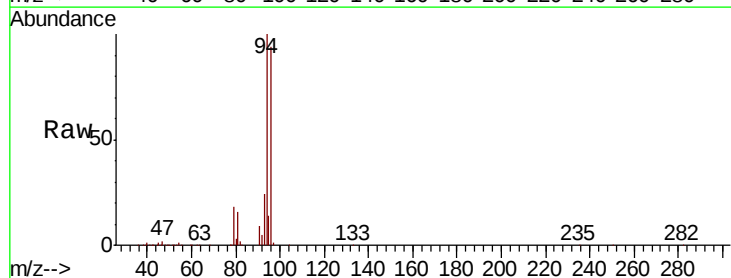
Acq: 8 Jun 2021 21:36

Tgt Ion: 94 Resp: 572278

Ion Ratio Lower Upper

94 100

96 93.5 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

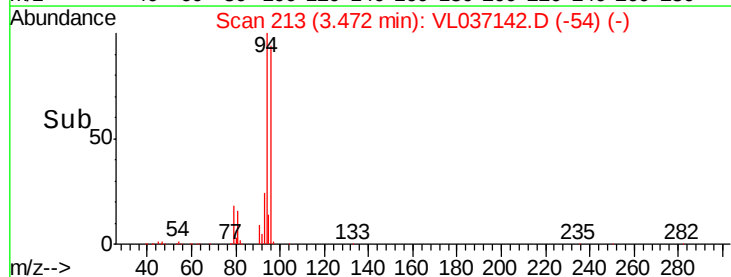
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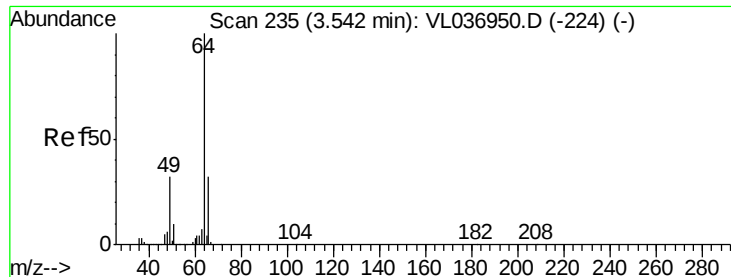
200000

100000

0

Time-->





#7

Chloroethane

Concen: 12.209 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.01 min

Lab File: VL037142.D

Acq: 8 Jun 2021 21:36

Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS02

Tot Ion: 64 Resp: 363463

Ion Ratio Lower Upper

64 100

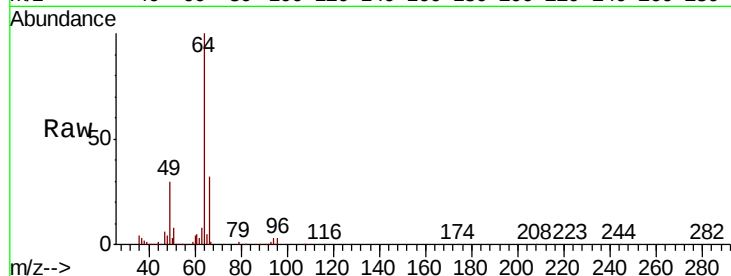
66 32.0 25.4 38.2

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6/14/2021 11:59:46 AM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

200000

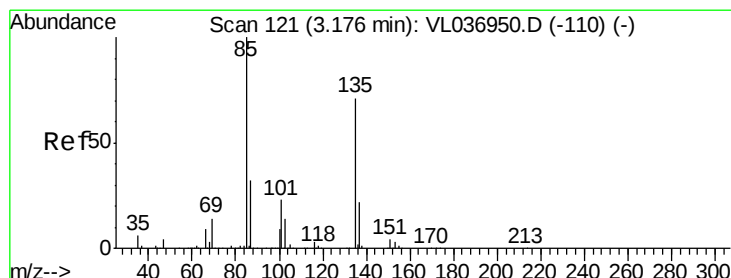
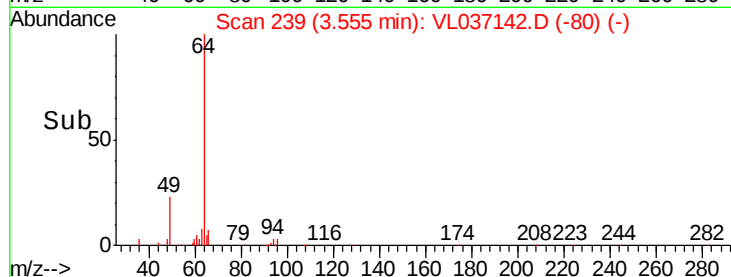
150000

100000

50000

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Time-->



#8

Dichlorotetrafluoroethane

Concen: 11.971 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.01 min

Lab File: VL037142.D

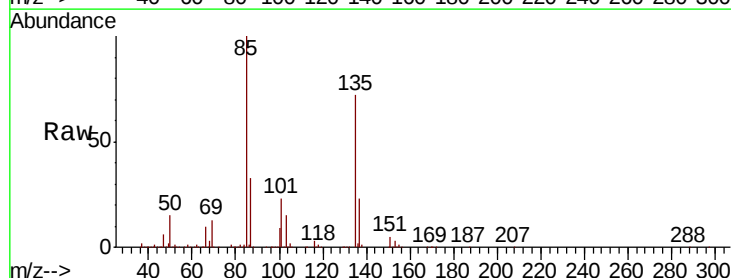
Acq: 8 Jun 2021 21:36

Tgt Ion: 85 Resp: 2565382

Ion Ratio Lower Upper

85 100

135 73.5 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.19

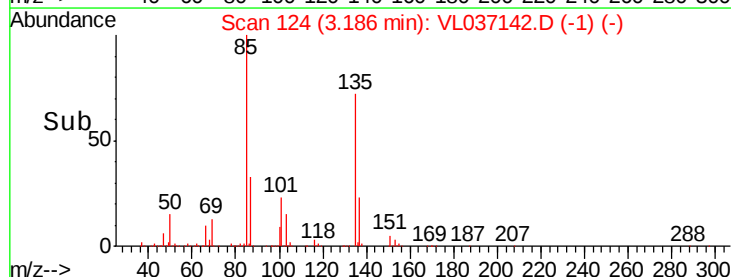
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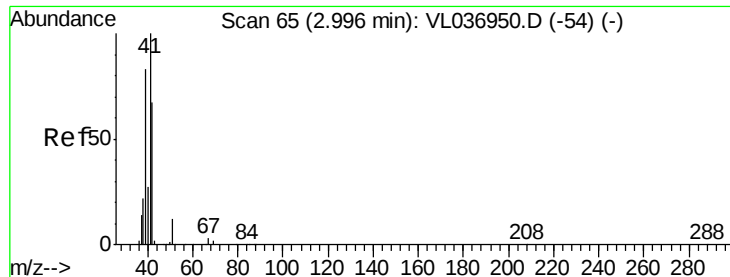
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500000

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Time-->





#9

Propene

Concen: 9.509 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.01 min

Lab File: VL037142.D

Acq: 8 Jun 2021 21:36

Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS02

Tot Ion: 41 Resp: 839310

Ion Ratio Lower Upper

41 100

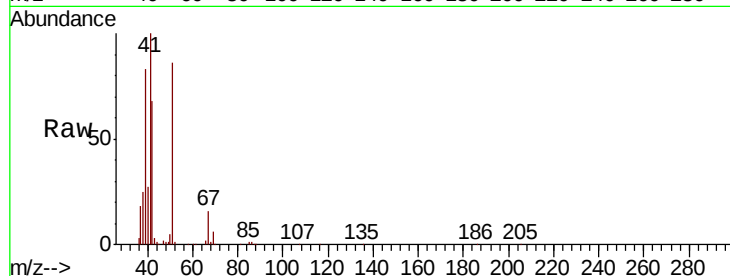
42 68.3 53.9 80.9

Manual Integrations

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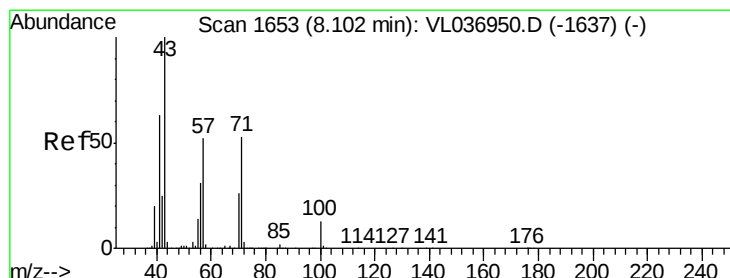
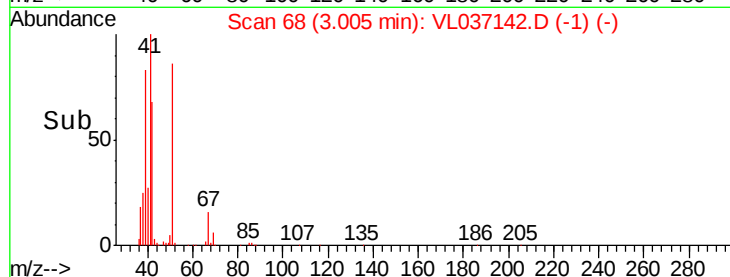
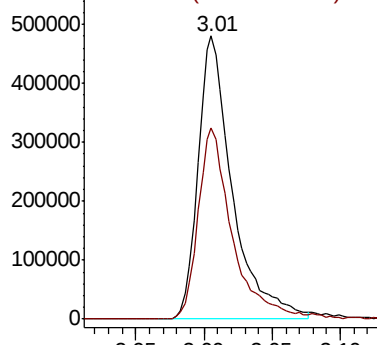
SAM

6/14/2021 11:59:46 AM



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.817 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.02 min

Lab File: VL037142.D

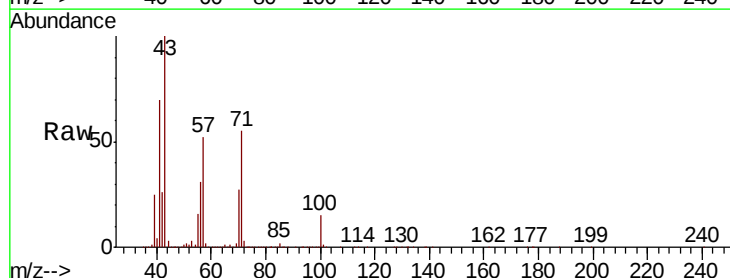
Acq: 8 Jun 2021 21:36

Tgt Ion: 43 Resp: 2159378

Ion Ratio Lower Upper

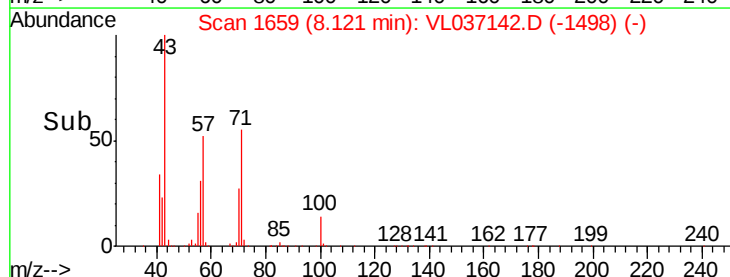
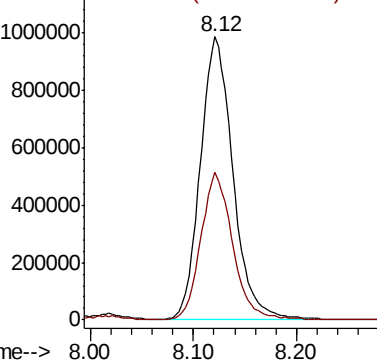
43 100

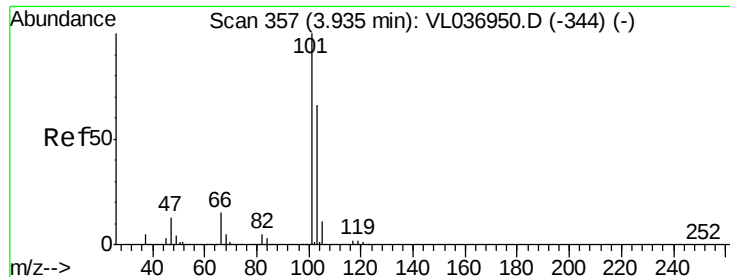
57 50.9 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





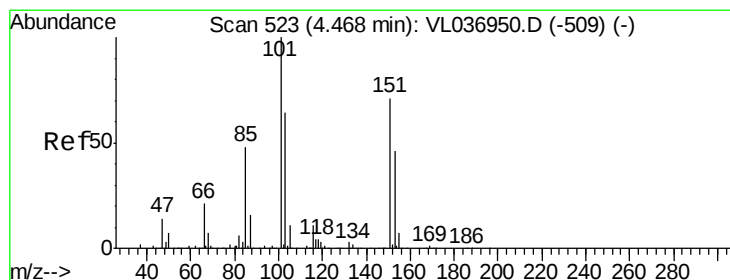
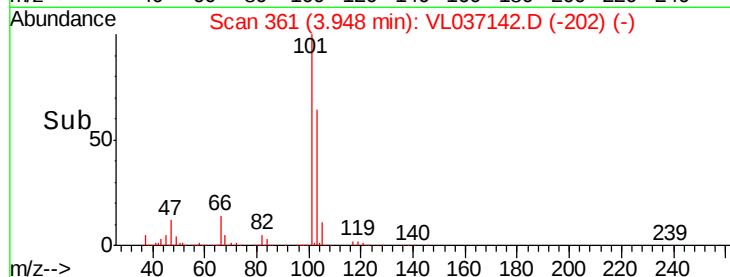
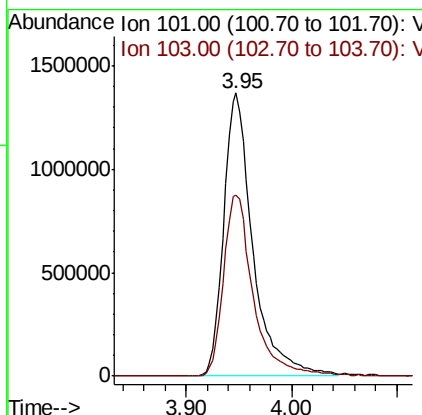
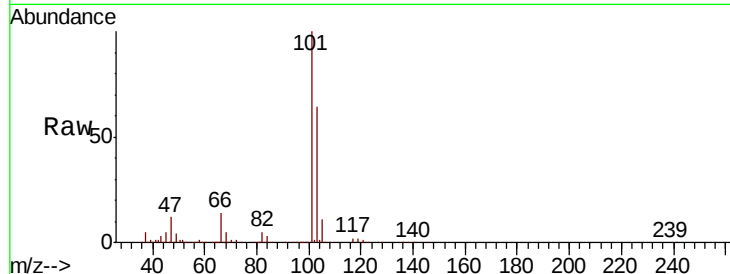
#11
 Trichlorofluoromethane
 Concen: 12.420 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.01 min
 Lab File: VL037142.D
 Acq: 8 Jun 2021 21:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0608ABS02

Tot Ion:101 Resp: 2623886
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.6 79.0

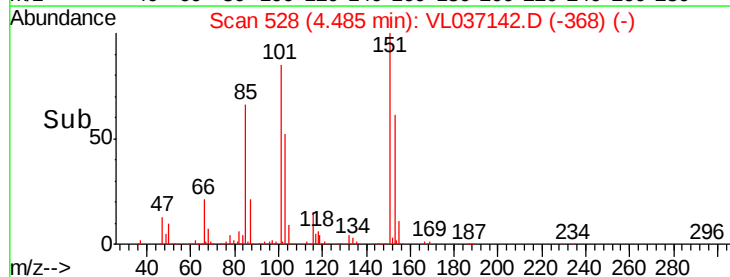
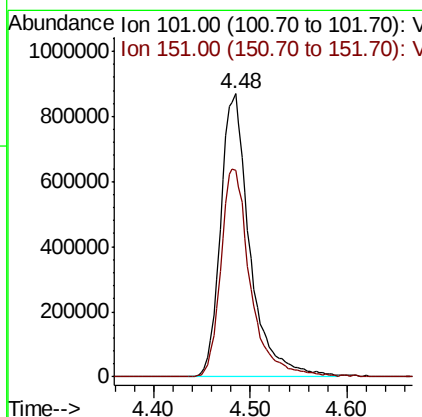
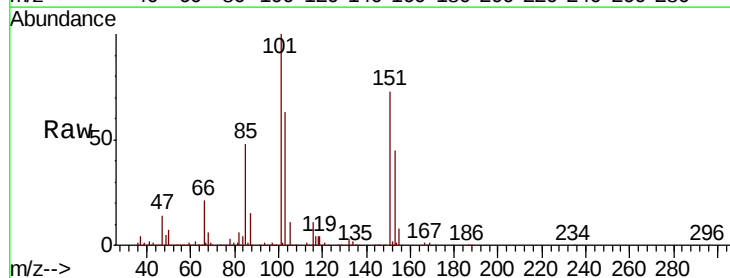
Manual Integrations
 APPROVED

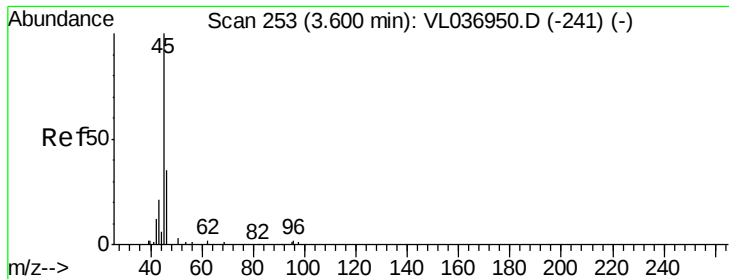
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 12.181 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.02 min
 Lab File: VL037142.D
 Acq: 8 Jun 2021 21:36

Tgt Ion:101 Resp: 1833040
 Ion Ratio Lower Upper
 101 100
 151 74.4 57.7 86.5





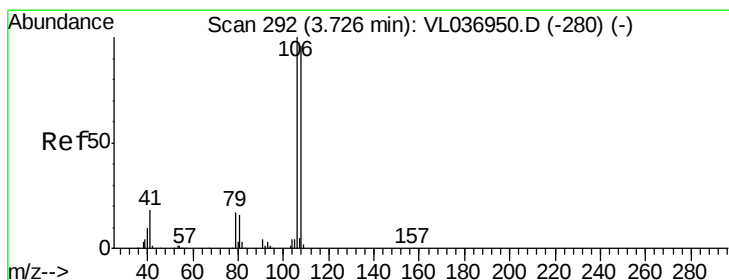
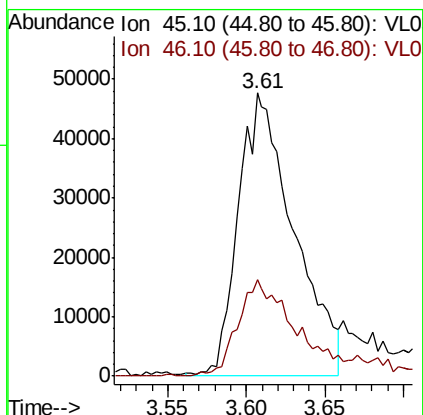
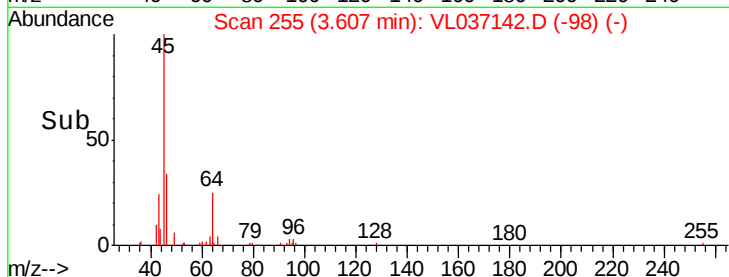
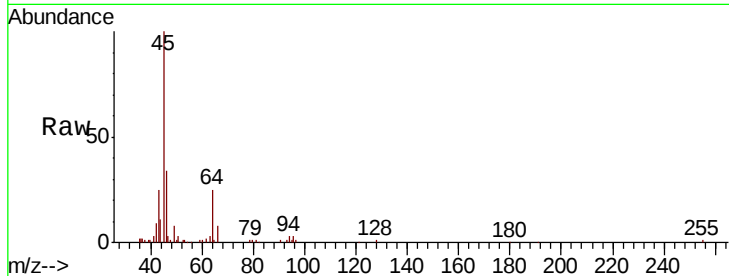
#13
Ethanol
Concen: 9.992 ppbv m
RT: 3.61 min Scan# 255
Delta R.T. 0.01 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Instrument :
MSVOA_L
ClientSampleId :
VL0608ABS02

Tot Ion: 45 Resp: 117672
Ion Ratio Lower Upper
45 100
46 41.4 16.3 65.3

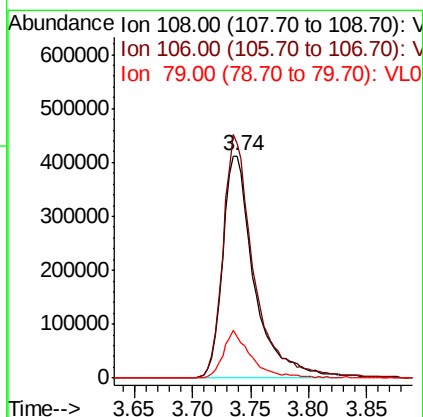
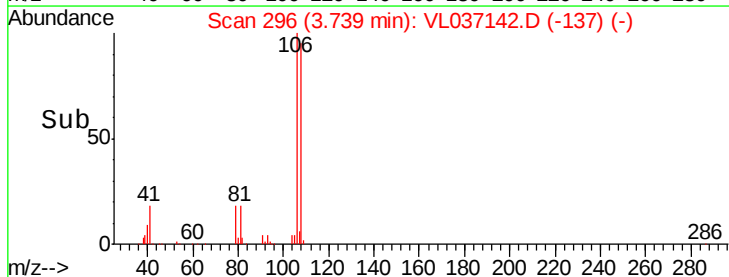
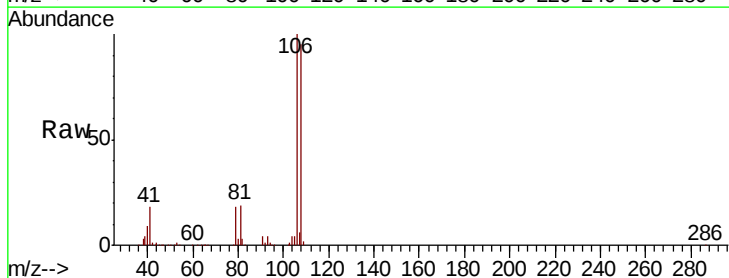
Manual Integrations
APPROVED

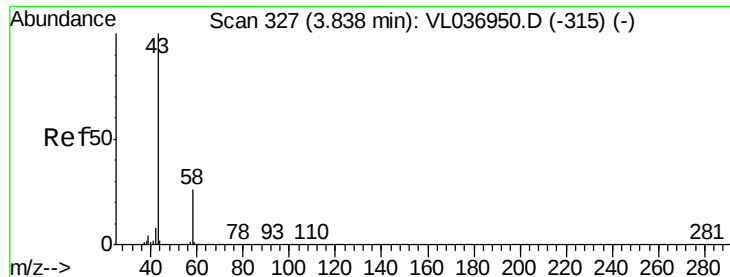
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#14
Bromoethene
Concen: 11.824 ppbv
RT: 3.74 min Scan# 296
Delta R.T. 0.01 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Tgt Ion: 108 Resp: 783709
Ion Ratio Lower Upper
108 100
106 107.7 86.5 129.7
79 19.7 15.0 22.4





#15

Acetone

Concen: 9.553 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL037142.D

Acq: 8 Jun 2021 21:36

Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS02

Tot Ion: 43 Resp: 1316456

Ion Ratio Lower Upper

43 100

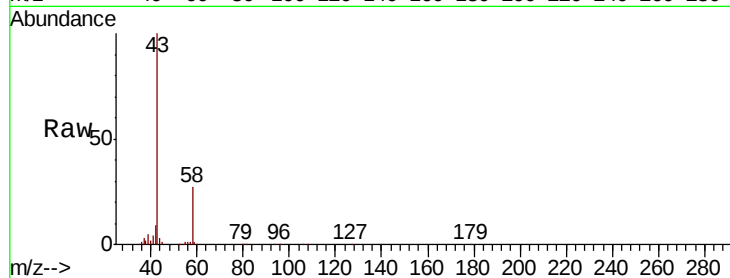
58 28.6 24.0 36.0

Manual Integrations

APPROVED

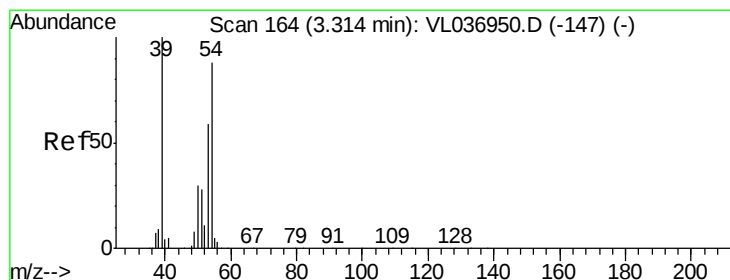
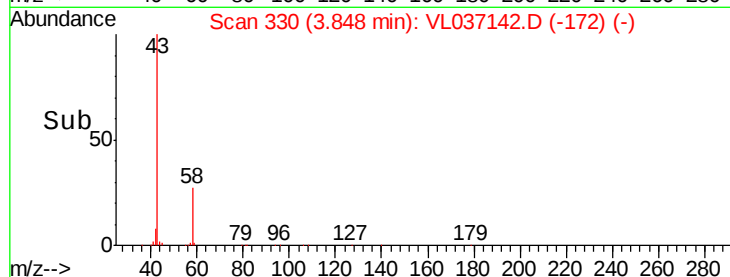
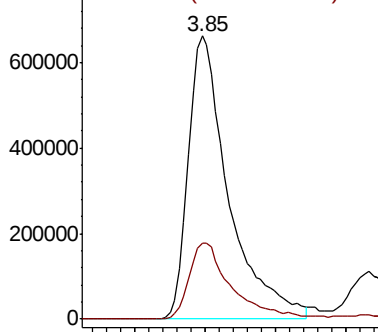
SAM

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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: 11.268 ppbv

RT: 3.32 min Scan# 167

Delta R.T. 0.01 min

Lab File: VL037142.D

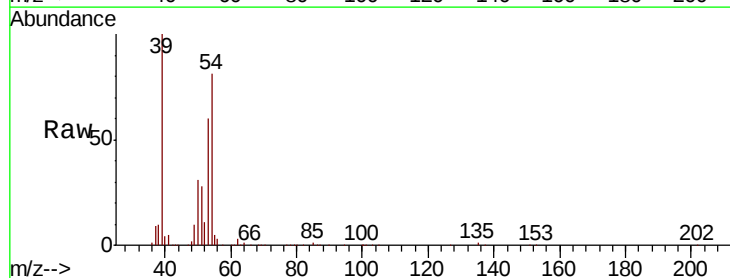
Acq: 8 Jun 2021 21:36

Tgt Ion: 39 Resp: 964721

Ion Ratio Lower Upper

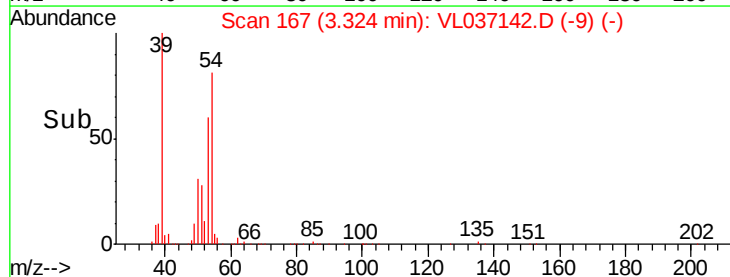
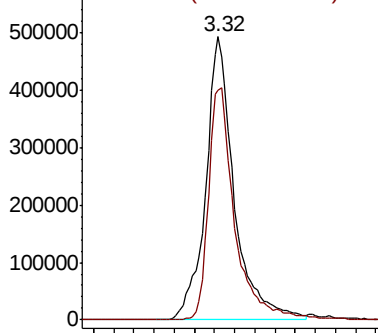
39 100

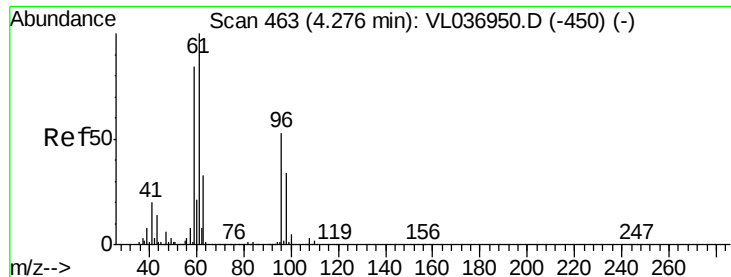
54 76.5 63.2 94.8



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

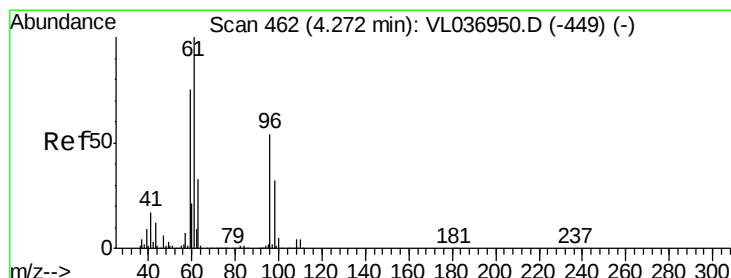
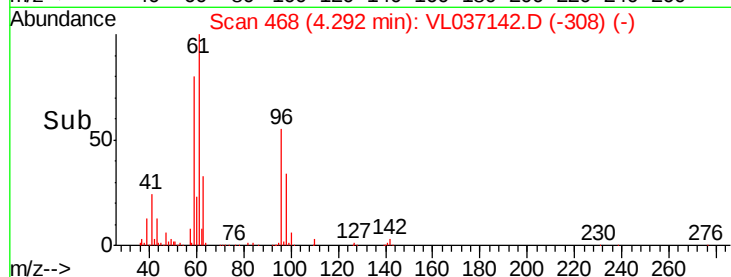
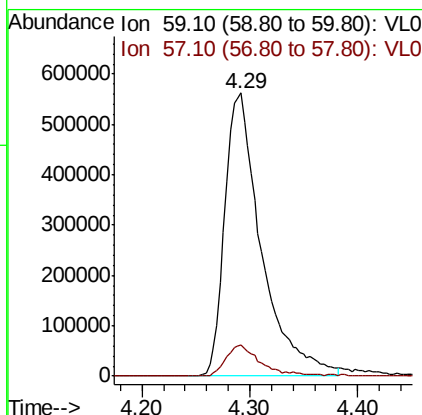
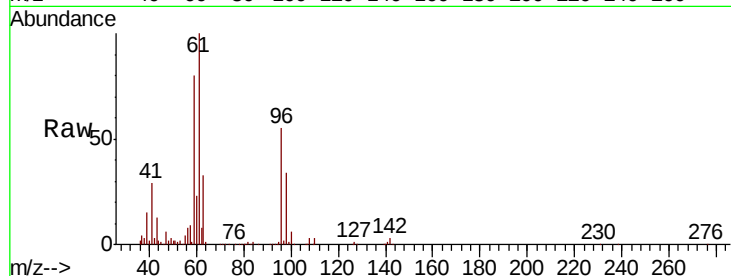
tert-Butyl alcohol
 Concen: 10.529 ppbv
 RT: 4.29 min Scan# 468
 Delta R.T. 0.02 min
 Lab File: VL037142.D
 Acq: 8 Jun 2021 21:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0608ABS02

Tot Ion: 59 Resp: 1329088
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.3 12.5

Manual Integrations
 APPROVED

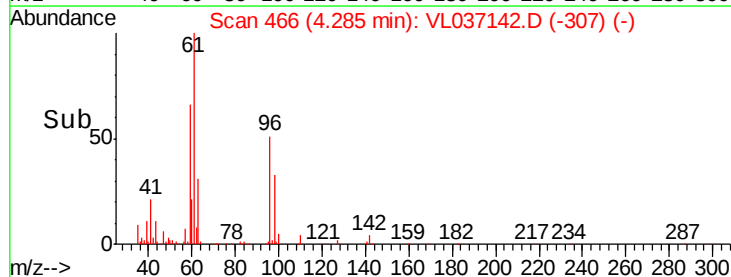
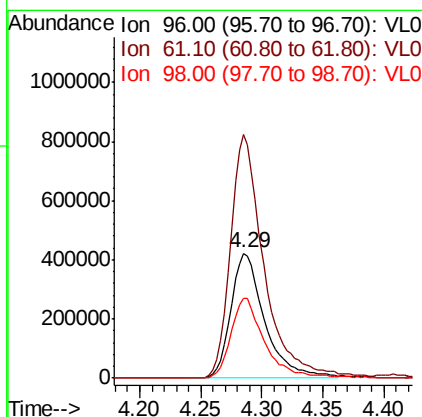
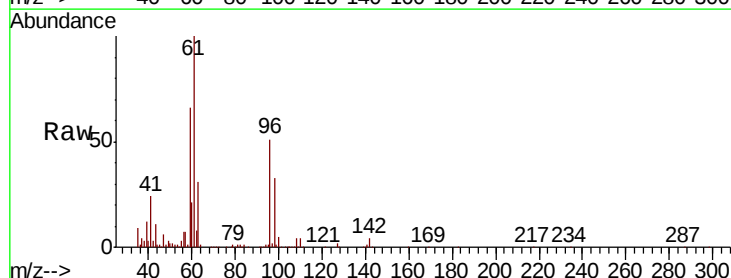
SAM
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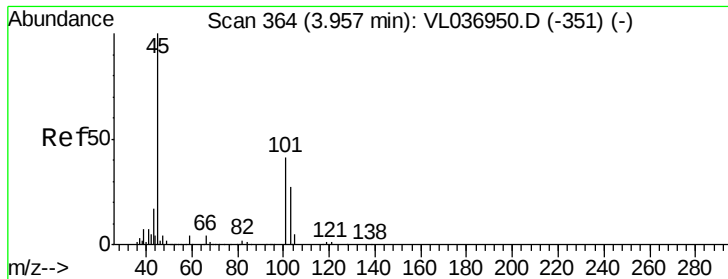


#18

1,1-Dichloroethene
 Concen: 11.732 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T. 0.01 min
 Lab File: VL037142.D
 Acq: 8 Jun 2021 21:36

Tgt Ion: 96 Resp: 816384
 Ion Ratio Lower Upper
 96 100
 61 195.1 148.2 222.4
 98 63.6 47.8 71.6





#19

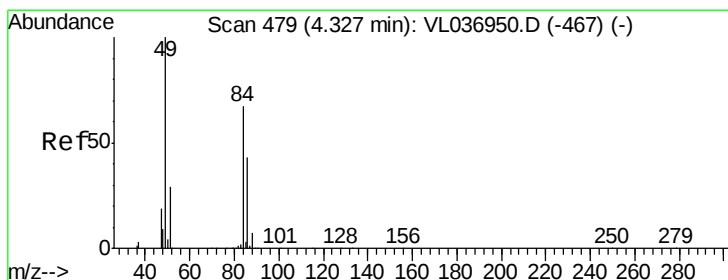
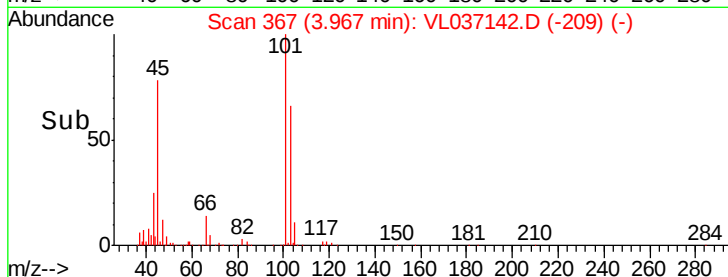
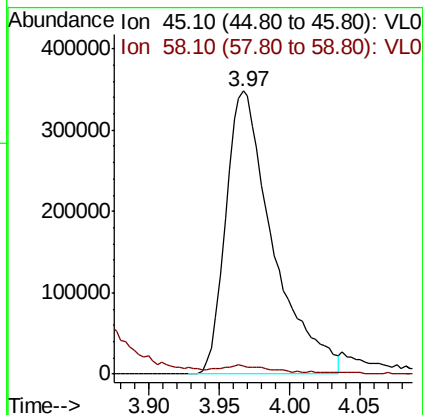
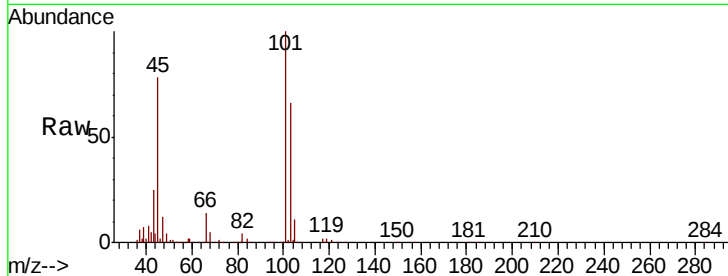
Isopropyl Alcohol
 Concen: 10.895 ppbv
 RT: 3.97 min Scan# 367
 Delta R.T. 0.01 min
 Lab File: VL037142.D
 Acq: 8 Jun 2021 21:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0608ABS02

Tot Ion: 45 Resp: 807069
 Ion Ratio Lower Upper
 45 100
 58 4.6 37.2 55.8#

Manual Integrations
 APPROVED

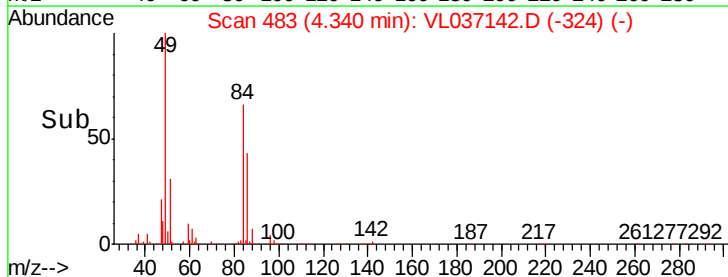
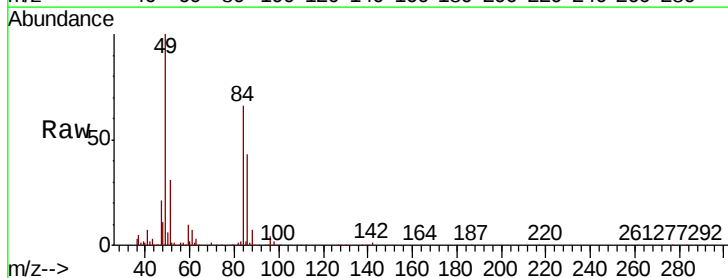
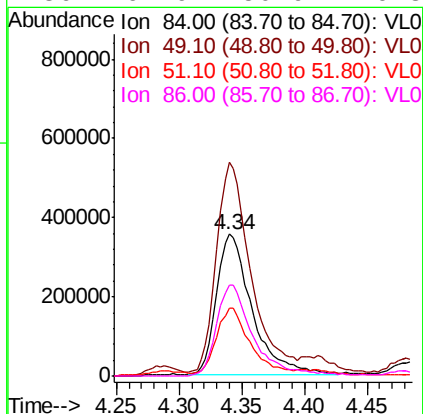
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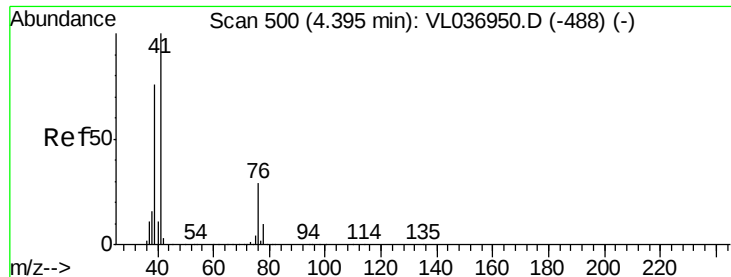


#20

Methylene Chloride
 Concen: 9.523 ppbv
 RT: 4.34 min Scan# 483
 Delta R.T. 0.01 min
 Lab File: VL037142.D
 Acq: 8 Jun 2021 21:36

Tgt Ion: 84 Resp: 703487
 Ion Ratio Lower Upper
 84 100
 49 149.3 119.8 179.6
 51 46.2 35.1 52.7
 86 64.9 50.9 76.3





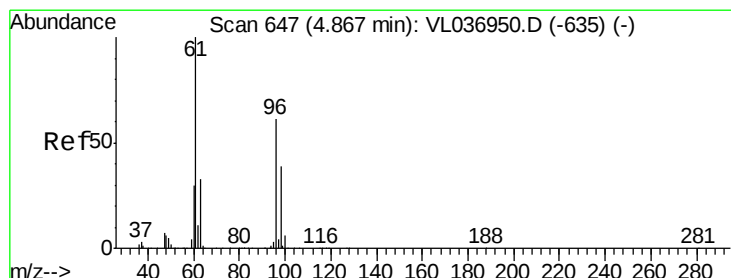
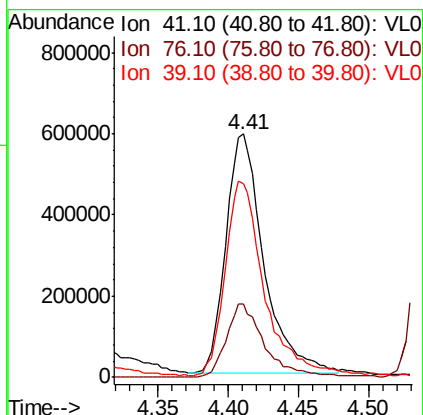
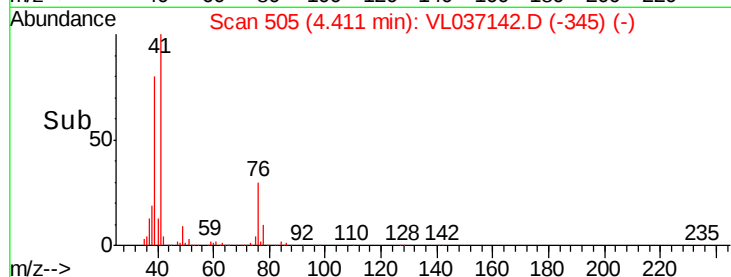
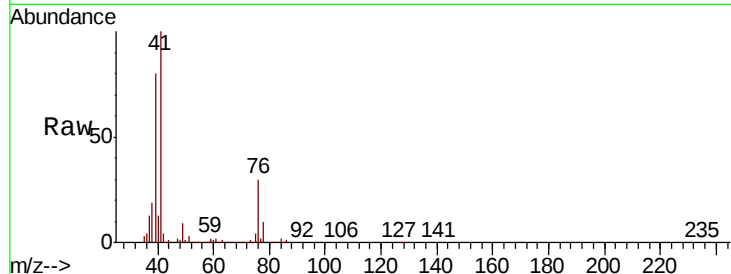
#21
Allvl Chloride
Concen: 10.652 ppbv
RT: 4.41 min Scan# 505
Delta R.T. 0.02 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Instrument :
MSVOA_L
ClientSampleId :
VL0608ABS02

Tot Ion: 41 Resp: 1107444
Ion Ratio Lower Upper
41 100
76 30.9 24.9 37.3
39 84.4 63.7 95.5

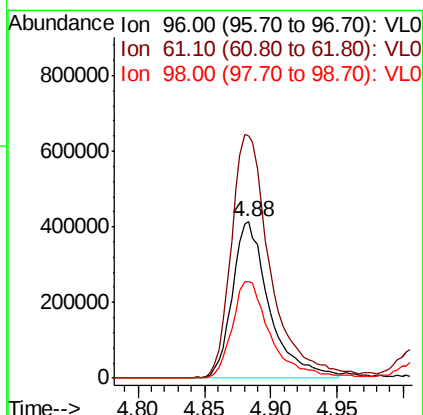
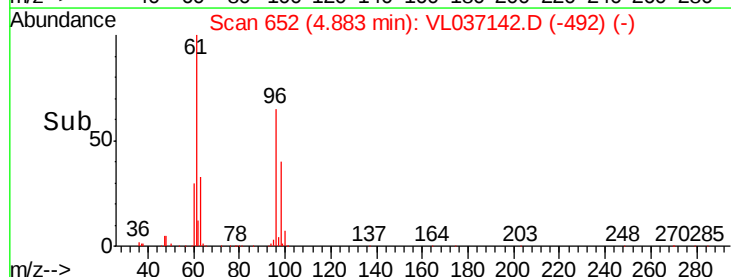
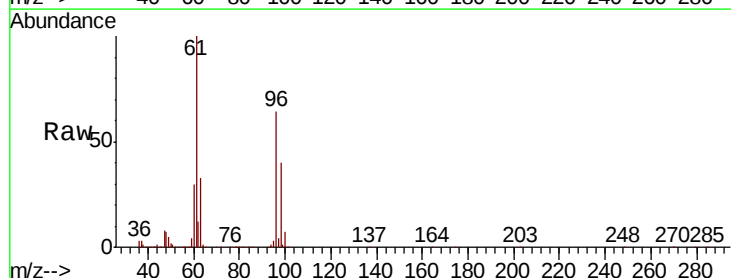
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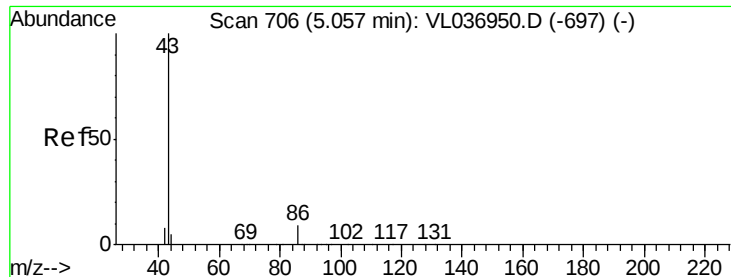
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#22
trans-1,2-Dichloroethene
Concen: 12.091 ppbv
RT: 4.88 min Scan# 652
Delta R.T. 0.02 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Tgt Ion: 96 Resp: 806360
Ion Ratio Lower Upper
96 100
61 155.2 130.6 196.0
98 62.0 50.8 76.2





#23

Vinyl Acetate

Concen: 10.601 ppbv

RT: 5.07 min Scan# 711

Delta R.T. 0.02 min

Lab File: VL037142.D

Acq: 8 Jun 2021 21:36

Instrument :

MSVOA_L

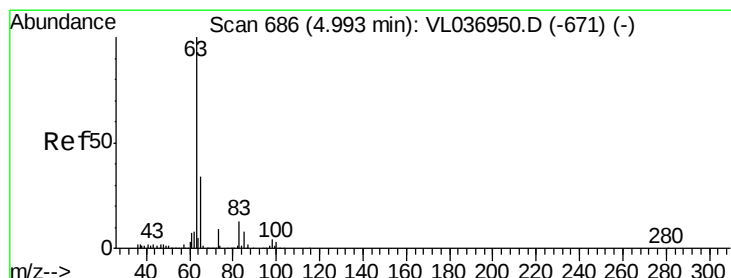
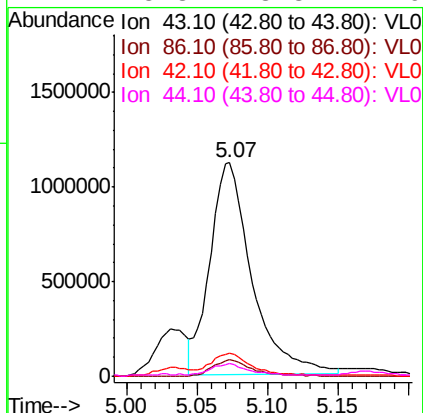
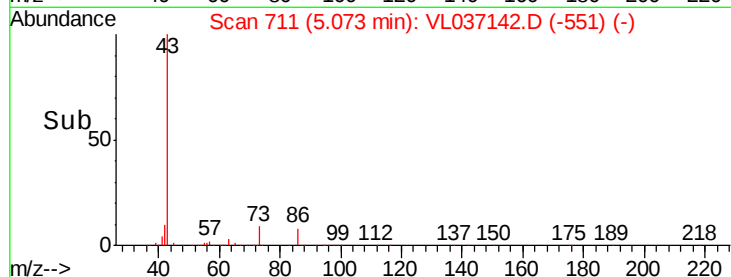
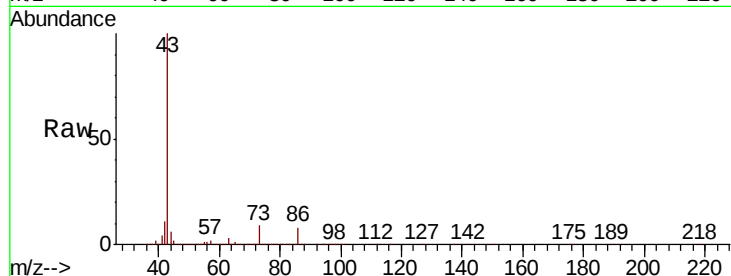
ClientSampleId :

VL0608ABS02

Tot Ion:	43	Resp:	2318831
Ion	Ratio	Lower	Upper
43	100		
86	7.6	5.8	8.8
42	10.3	7.4	11.2
44	5.3	3.3	4.9#

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#24

1,1-Dichloroethane

Concen: 11.593 ppbv

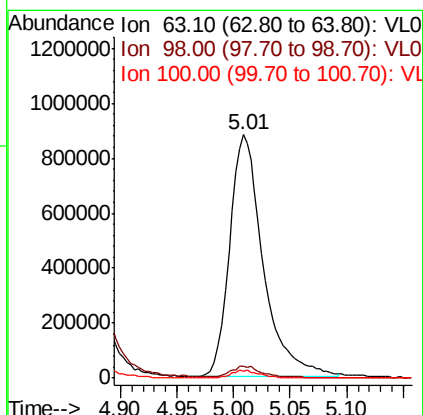
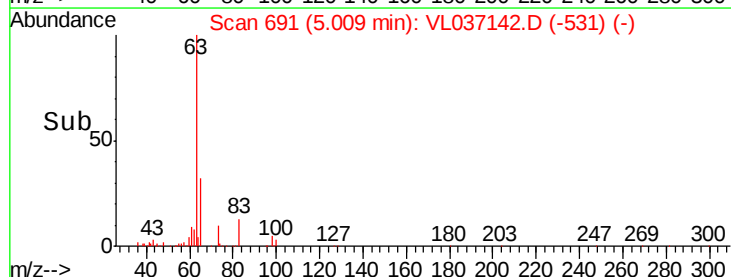
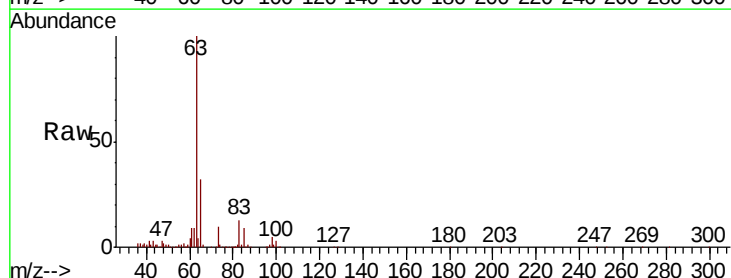
RT: 5.01 min Scan# 691

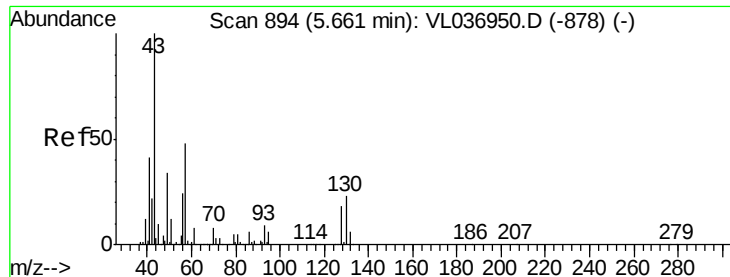
Delta R.T. 0.02 min

Lab File: VL037142.D

Acq: 8 Jun 2021 21:36

Tgt Ion:	63	Resp:	1825295
Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.3	6.9
100	2.9	1.4	4.0





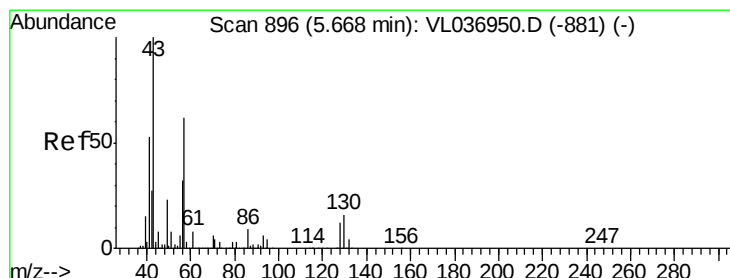
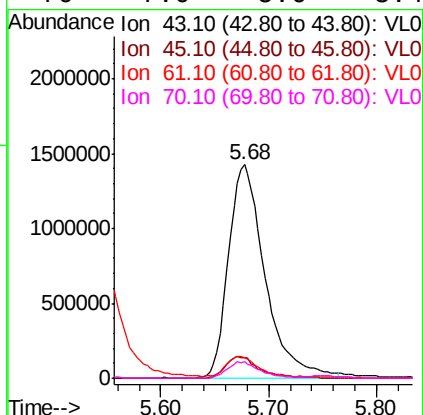
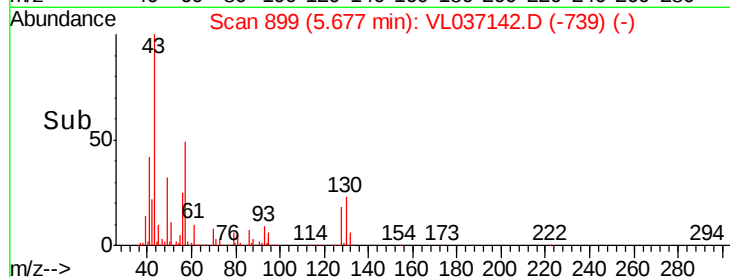
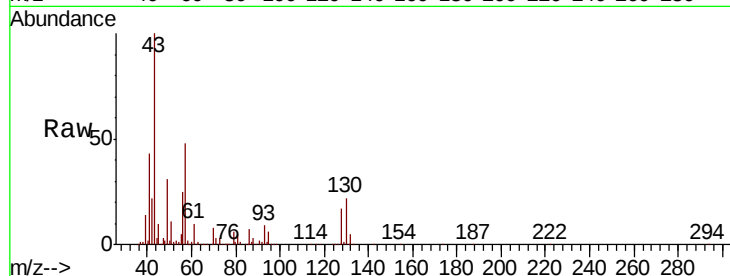
#25
Ethyl Acetate
Concen: 10.136 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.02 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Instrument :
MSVOA_L
ClientSampleId :
VL0608ABS02

Tot Ion	43	Resp	3356447
Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.8	11.8
61	9.9	7.8	11.8
70	7.0	5.6	8.4

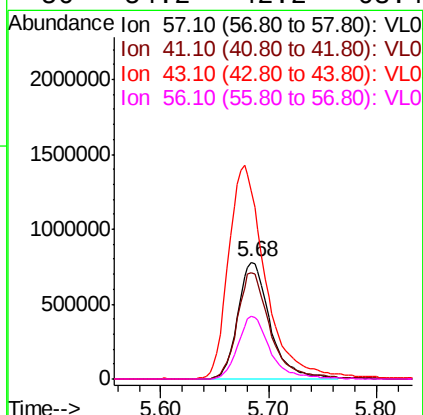
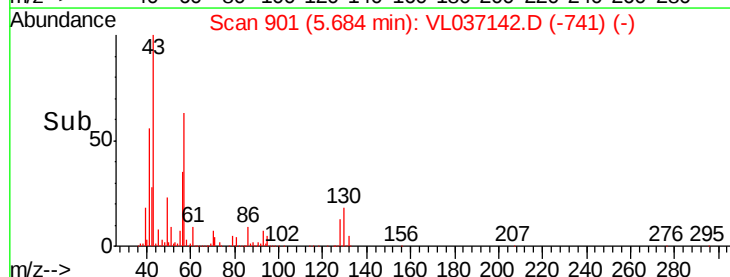
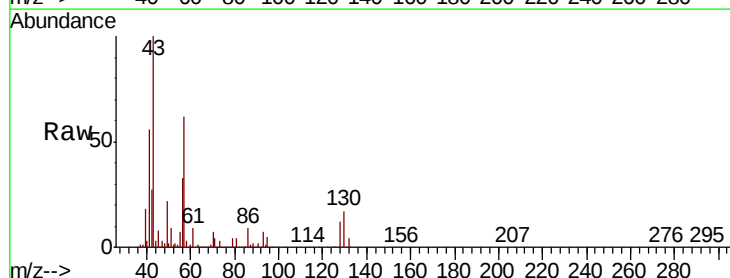
Manual Integrations
APPROVED

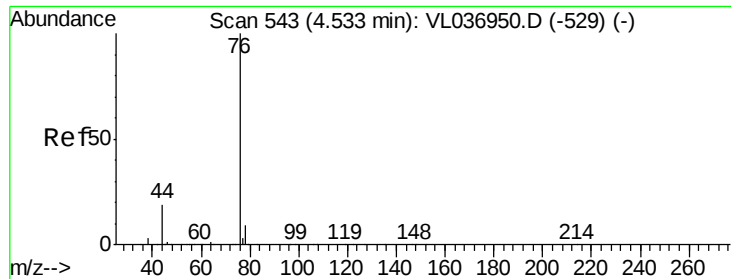
SAM
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#26
Hexane
Concen: 9.587 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.02 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Tgt Ion	57	Resp	1621838
Ion	Ratio	Lower	Upper
57	100		
41	93.9	70.5	105.7
43	211.6	165.8	248.8
56	54.2	42.2	63.4





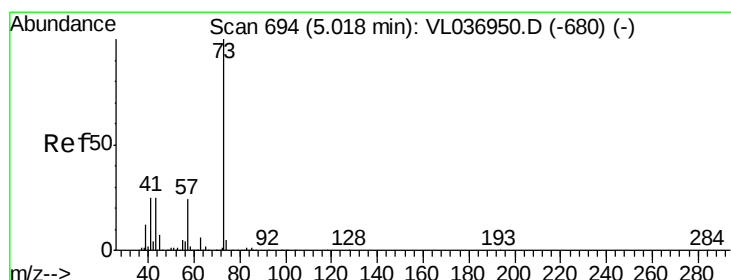
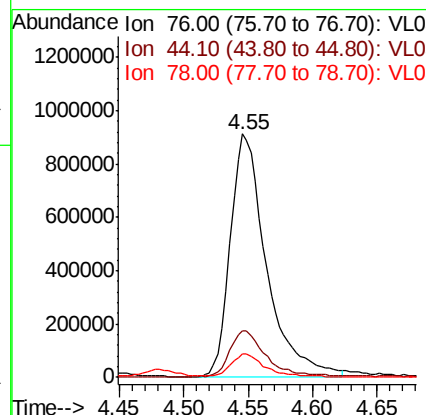
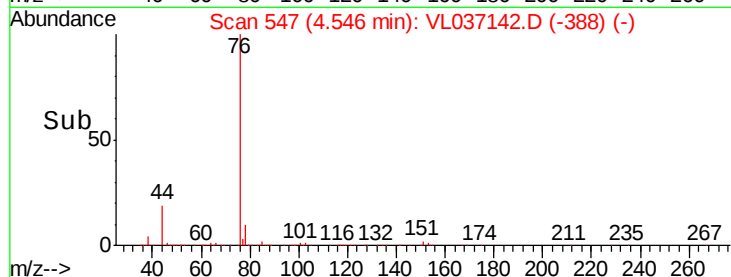
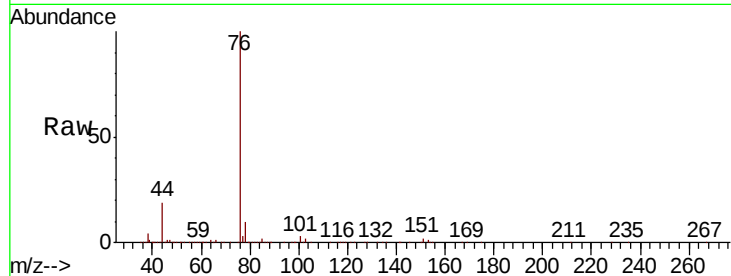
#27
Carbon Disulfide
Concen: 10.410 ppbv
RT: 4.55 min Scan# 547
Delta R.T. 0.01 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Instrument :
MSVOA_L
ClientSampleId :
VL0608ABS02

Tot Ion	Ratio	Lower	Upper
76	100		
44	19.0	15.5	23.3
78	9.5	7.8	11.6

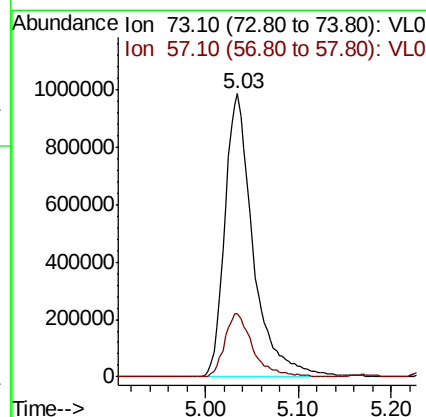
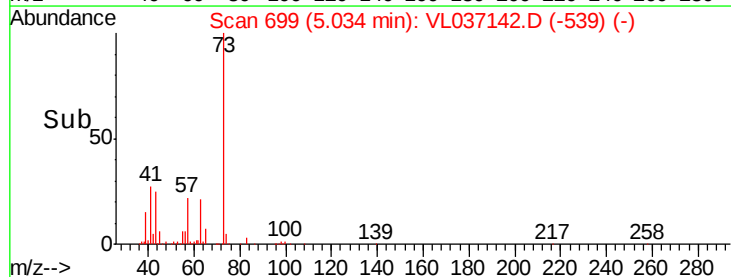
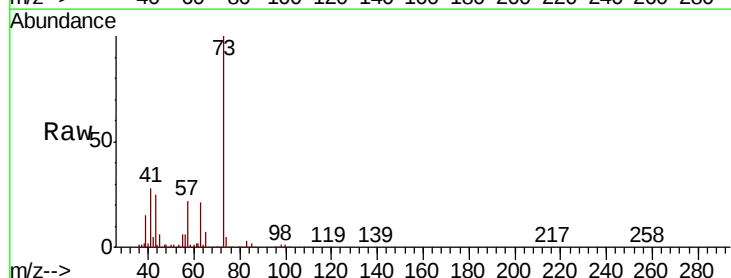
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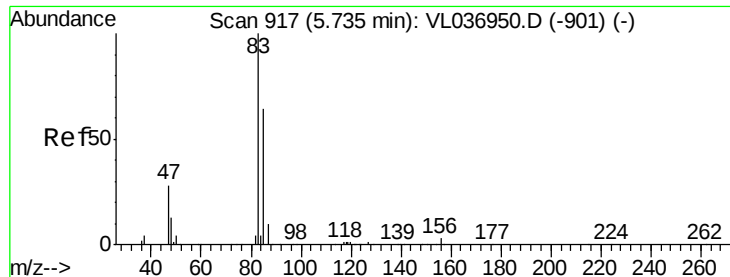
SAM
6/14/2021 11:59:46 AM



#28
Methyl tert-Butyl Ether
Concen: 10.294 ppbv
RT: 5.03 min Scan# 699
Delta R.T. 0.02 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.3	27.5





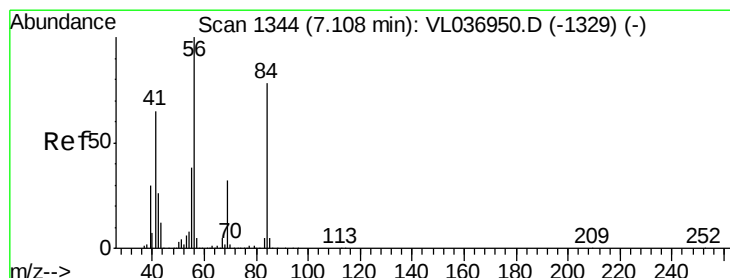
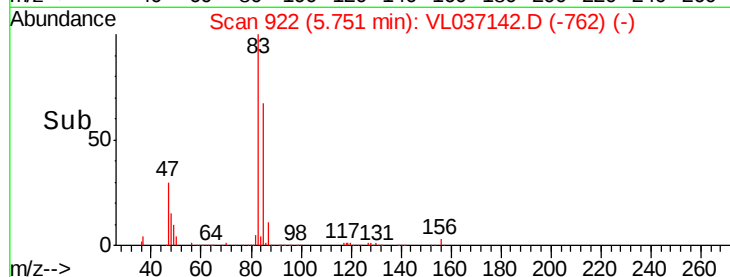
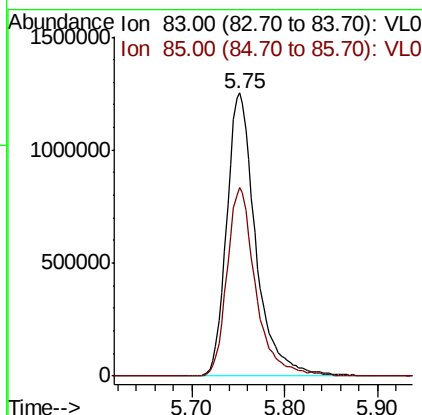
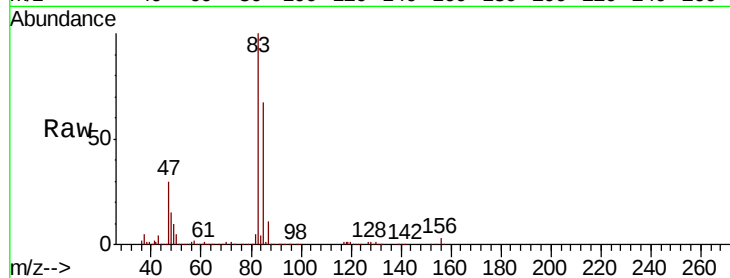
#29
Chloroform
Concen: 11.353 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.02 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Instrument :
MSVOA_L
ClientSampleId :
VL0608ABS02

Tot Ion: 83 Resp: 2713442
Ion Ratio Lower Upper
83 100
85 66.2 51.1 76.7

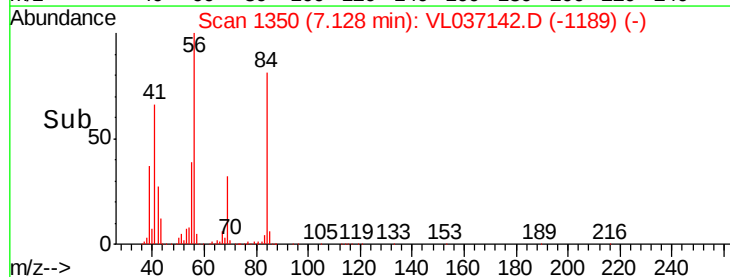
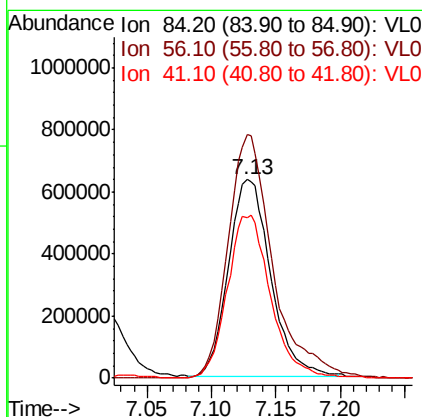
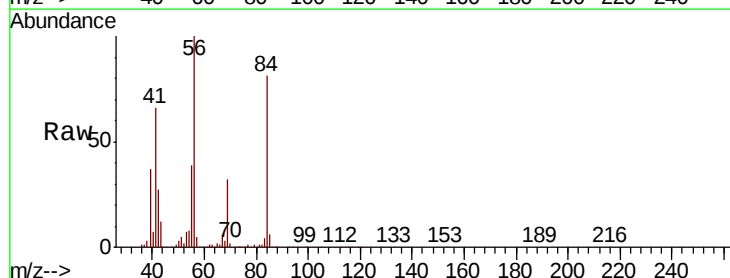
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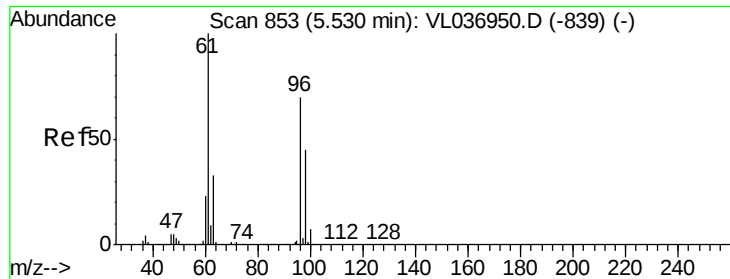
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6/14/2021 11:59:46 AM



#30
Cyclohexane
Concen: 10.044 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.02 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Tgt Ion: 84 Resp: 1443933
Ion Ratio Lower Upper
84 100
56 131.8 107.9 161.9
41 85.1 65.5 98.3





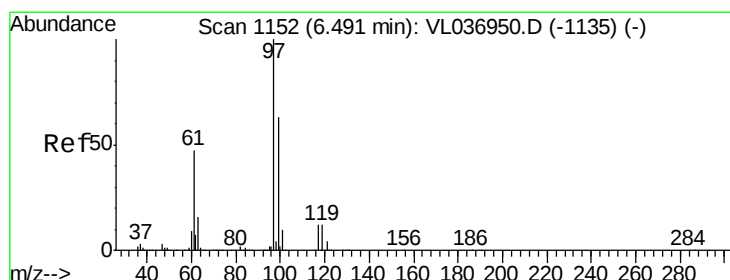
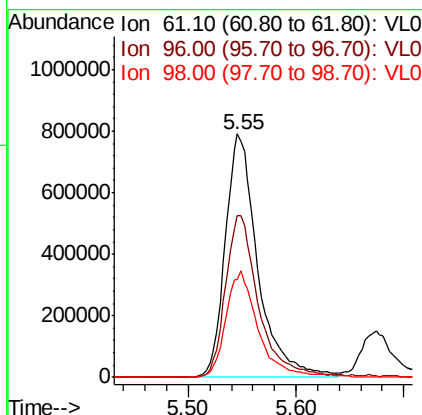
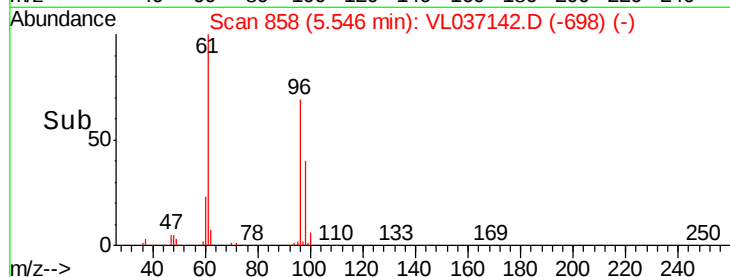
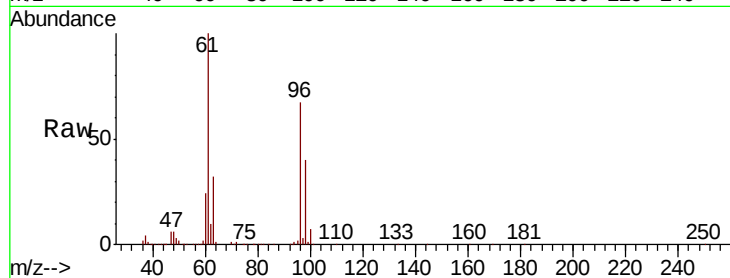
#31
 cis-1,2-Dichloroethene
 Concen: 10.934 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. 0.02 min
 Lab File: VL037142.D
 Acq: 8 Jun 2021 21:36

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0608ABS02

Tot Ion: 61 Resp: 1658422
 Ion Ratio Lower Upper
 61 100
 96 66.5 55.9 83.9
 98 40.2 35.6 53.4

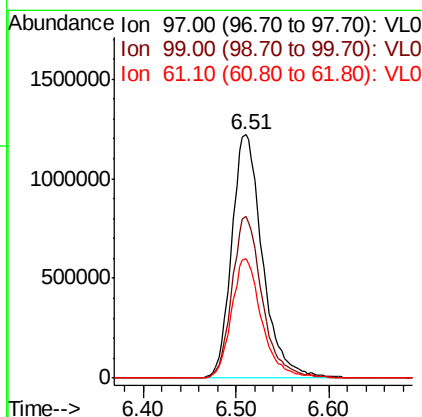
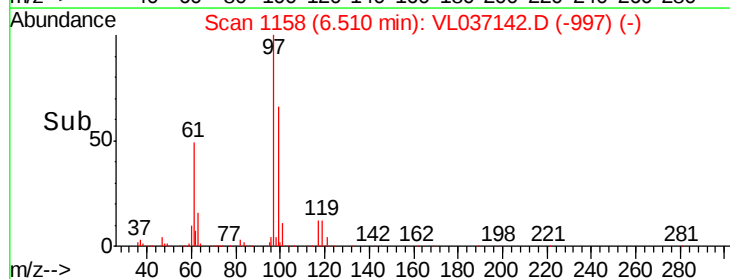
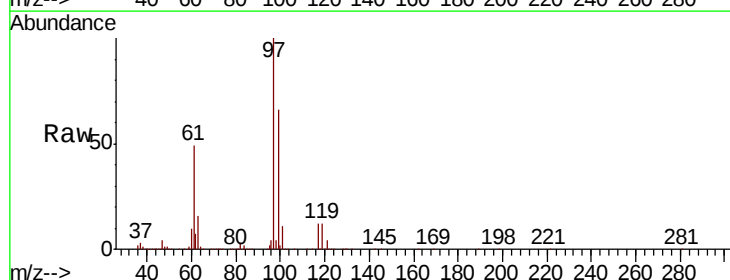
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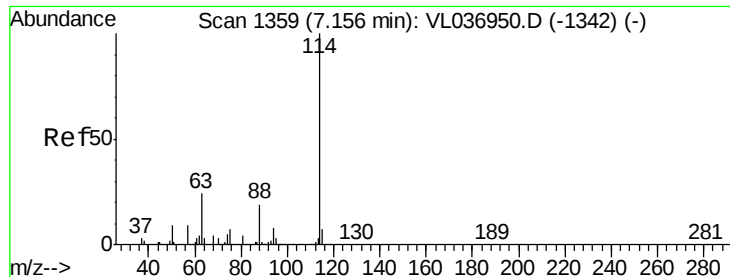
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 6/14/2021 11:59:46 AM



#32
 1,1,1-Trichloroethane
 Concen: 10.982 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. 0.02 min
 Lab File: VL037142.D
 Acq: 8 Jun 2021 21:36

Tgt Ion: 97 Resp: 2818320
 Ion Ratio Lower Upper
 97 100
 99 65.3 51.9 77.9
 61 48.5 37.6 56.4





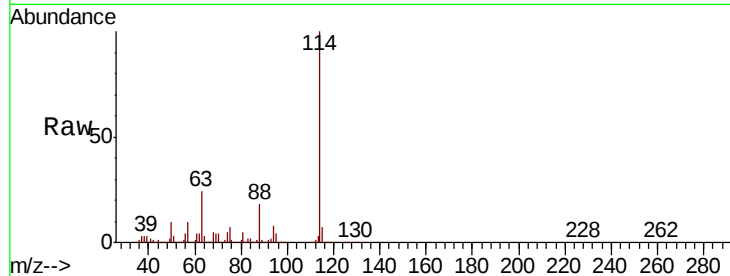
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. 0.02 min
 Lab File: VL037142.D
 Acq: 8 Jun 2021 21:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0608ABS02

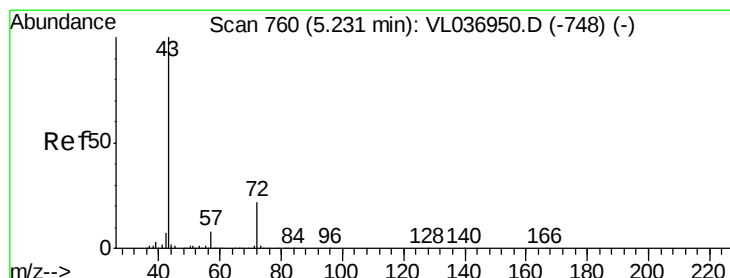
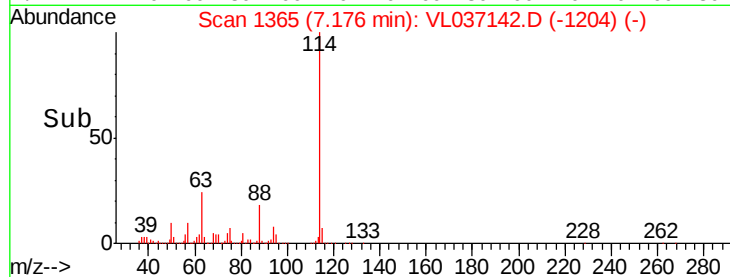
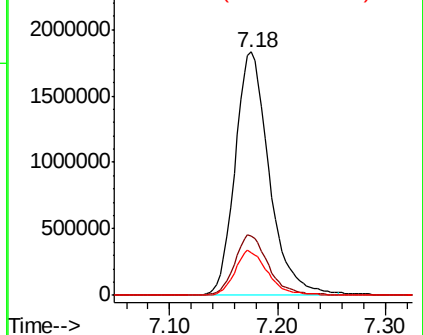
Tot Ion	Ratio	Lower	Upper
114	100		
63	24.8	19.6	29.4
88	17.9	14.6	21.8

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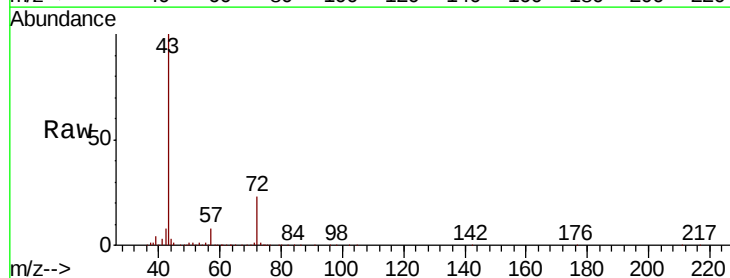


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

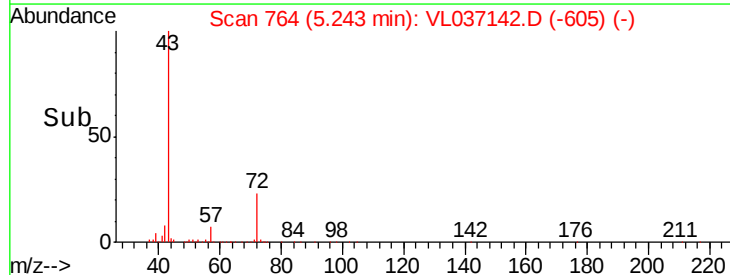
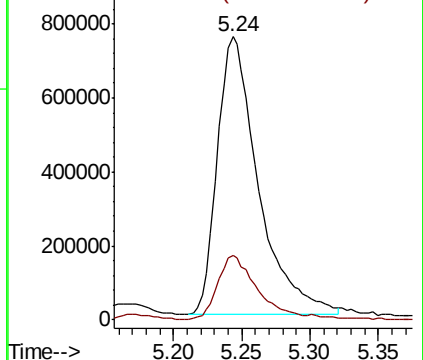


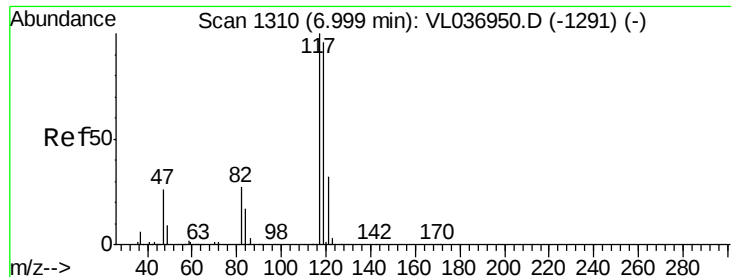
#34
 2-Butanone
 Concen: 10.675 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VL037142.D
 Acq: 8 Jun 2021 21:36

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.3	19.0	28.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 11.188 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. 0.02 min

Lab File: VL037142.D

Acq: 8 Jun 2021 21:36

Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS02

Tot Ion:117 Resp: 3010053

Ion Ratio Lower Upper

117 100

119 96.1 76.6 114.8

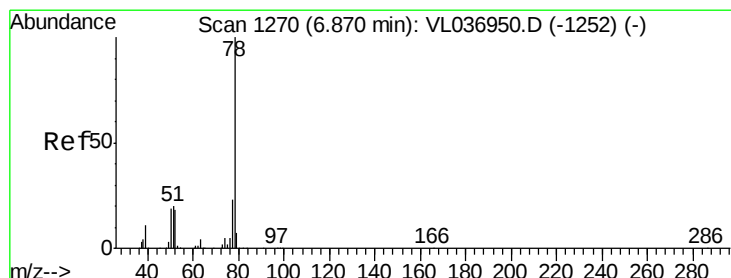
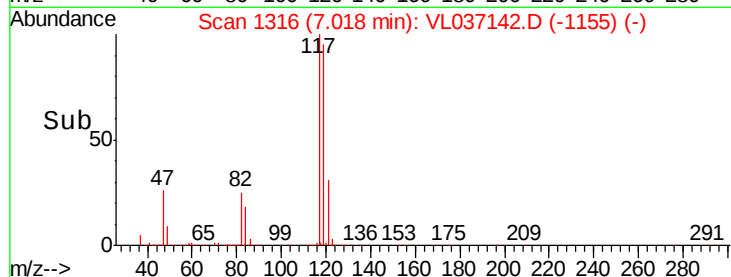
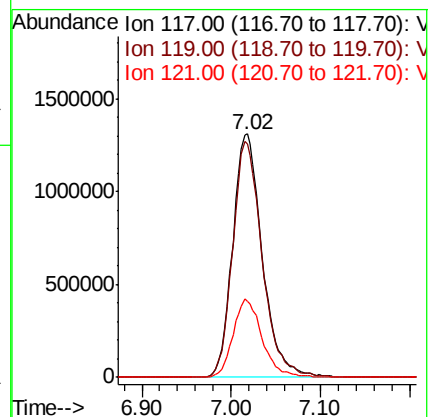
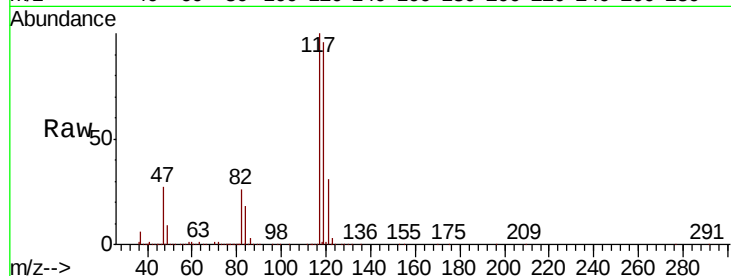
121 31.3 25.8 38.6

Manual Integrations

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6/14/2021 11:59:46 AM



#36

Benzene

Concen: 9.750 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.02 min

Lab File: VL037142.D

Acq: 8 Jun 2021 21:36

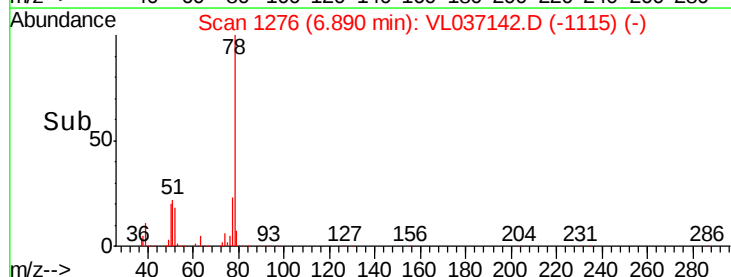
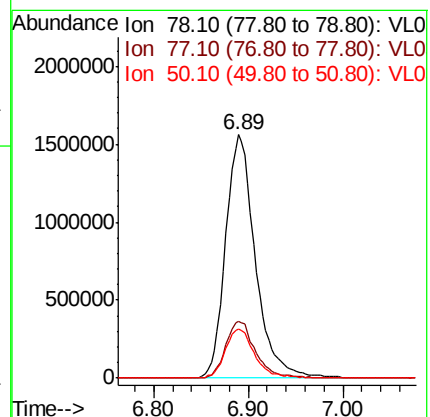
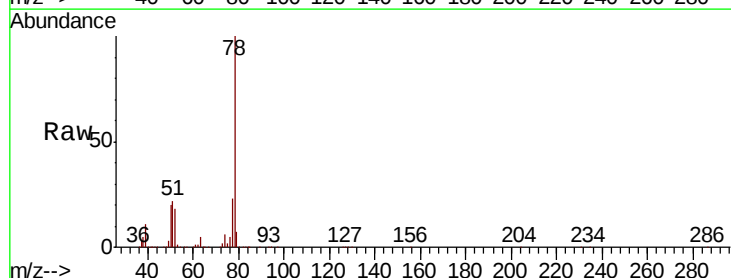
Tgt Ion: 78 Resp: 3400512

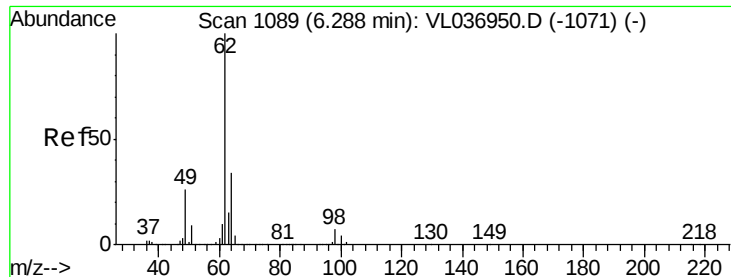
Ion Ratio Lower Upper

78 100

77 23.4 18.6 28.0

50 20.2 15.0 22.4





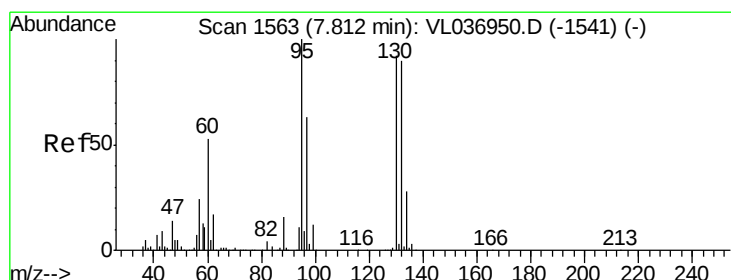
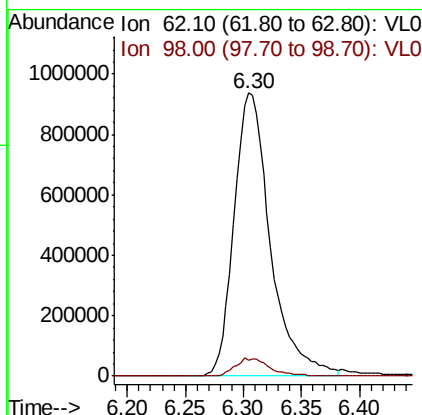
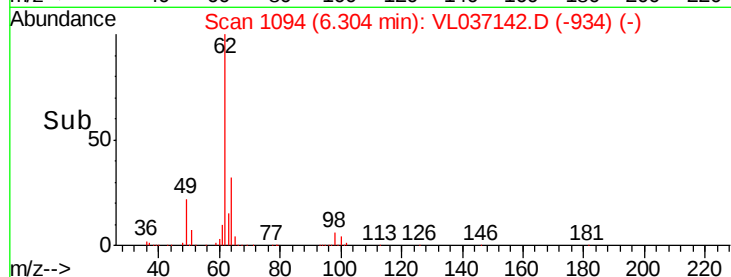
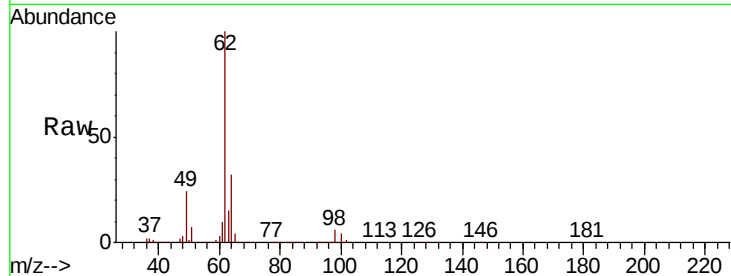
#37
1,2-Dichloroethane
Concen: 11.789 ppbv
RT: 6.30 min Scan# 1094
Delta R.T. 0.02 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Instrument :
MSVOA_L
ClientSampleId :
VL0608ABS02

Tot Ion: 62 Resp: 2038612
Ion Ratio Lower Upper
62 100
98 6.2 5.5 8.3

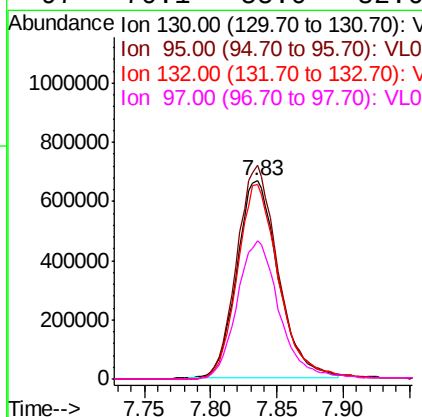
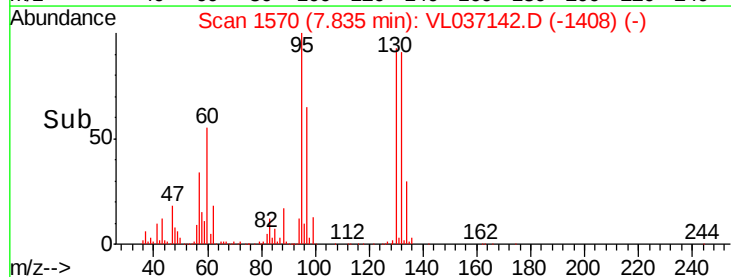
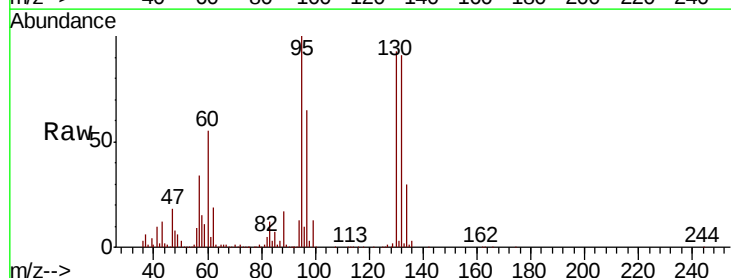
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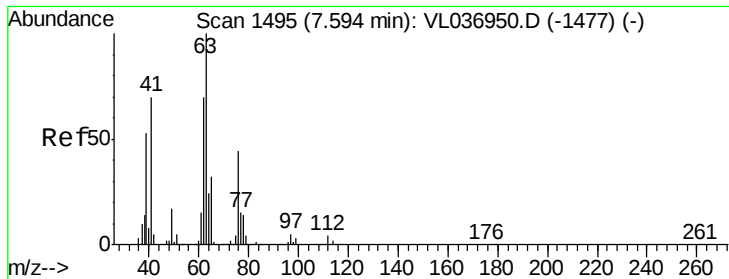
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6/14/2021 11:59:46 AM



#38
Trichloroethene
Concen: 9.783 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. 0.02 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Tgt Ion:130 Resp: 1459637
Ion Ratio Lower Upper
130 100
95 108.1 86.9 130.3
132 98.8 78.4 117.6
97 70.1 55.0 82.6





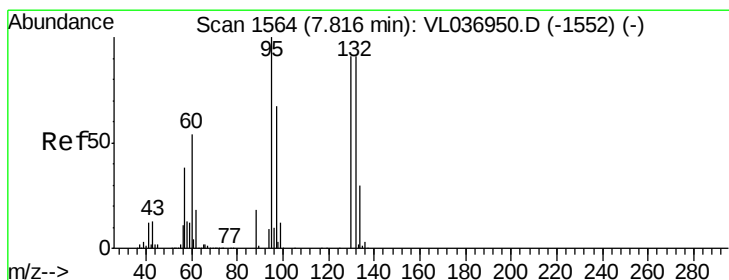
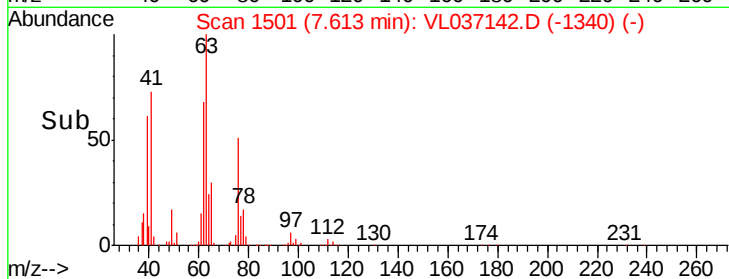
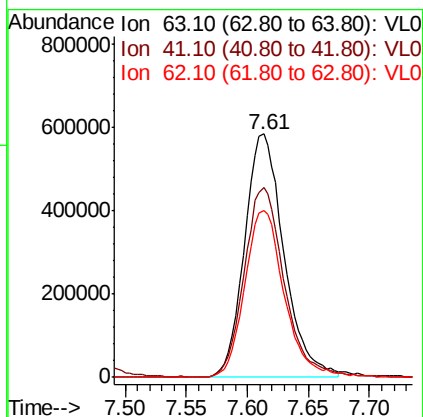
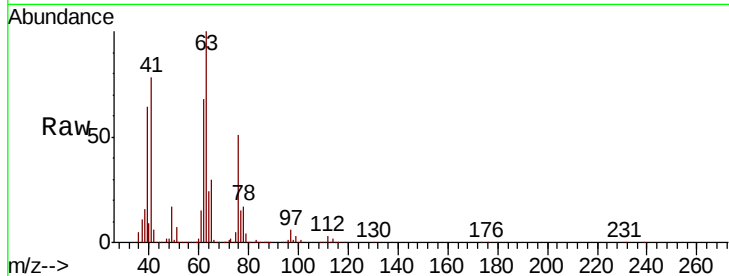
#39
 1,2-Dichloropropane
 Concen: 9.672 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. 0.02 min
 Lab File: VL037142.D
 Acq: 8 Jun 2021 21:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0608ABS02

Tot Ion	Ratio	Lower	Upper
63	100		
41	78.0	55.7	83.5
62	68.3	56.2	84.4

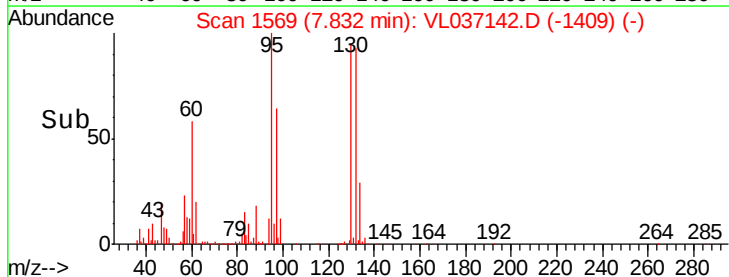
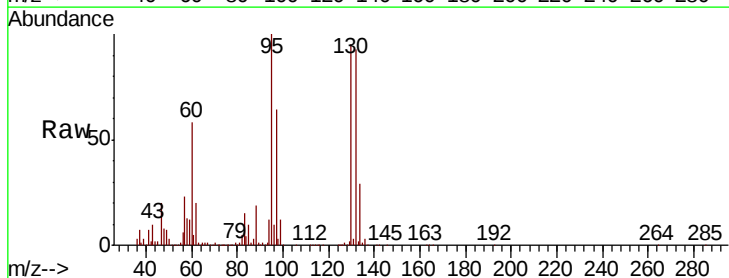
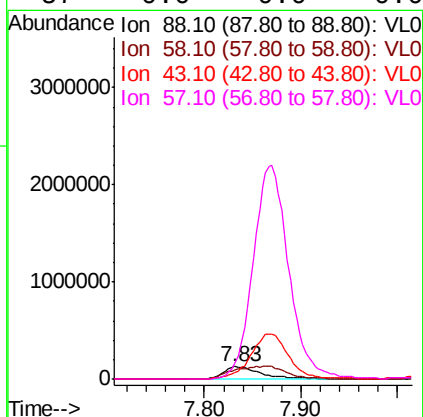
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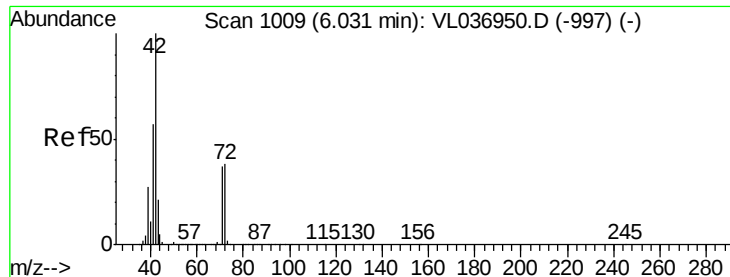
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#40
 1,4-Dioxane
 Concen: 10.828 ppbv m
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.02 min
 Lab File: VL037142.D
 Acq: 8 Jun 2021 21:36

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





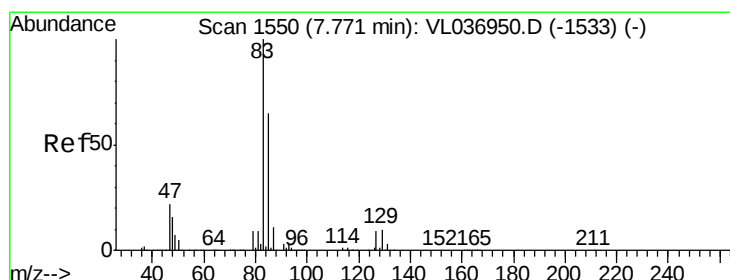
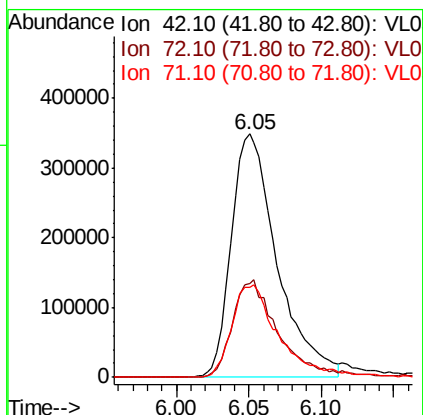
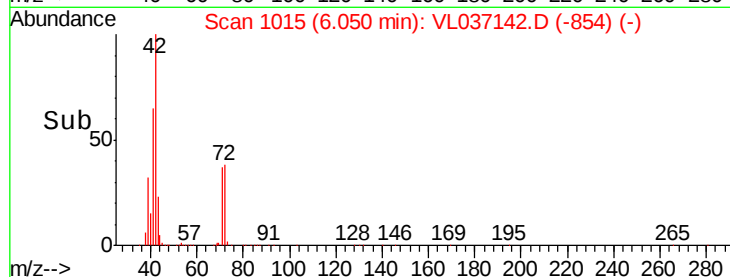
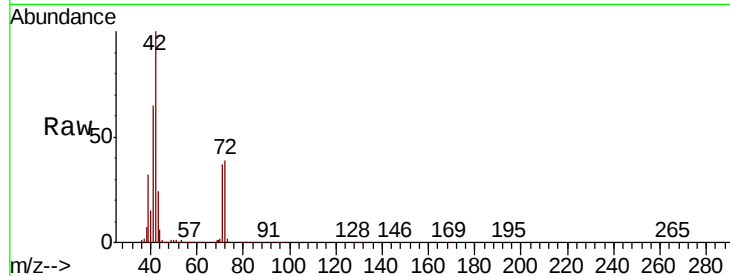
#41
Tetrahydrofuran
Concen: 9.075 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. 0.02 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Instrument :
MSVOA_L
ClientSampleId :
VL0608ABS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	31.4	47.2
71	40.2	30.4	45.6

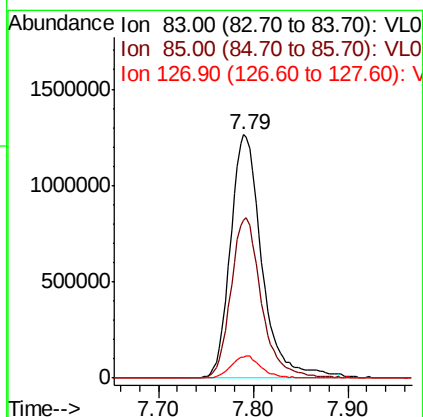
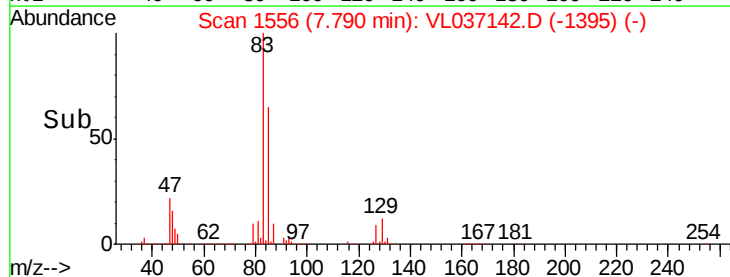
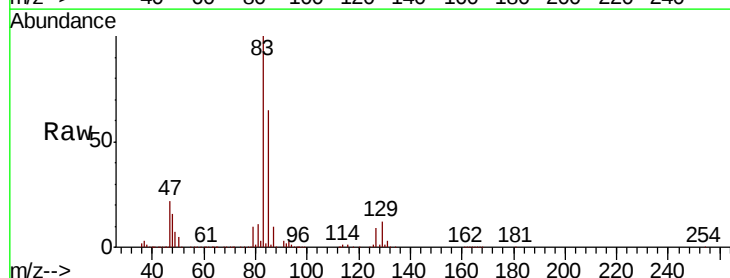
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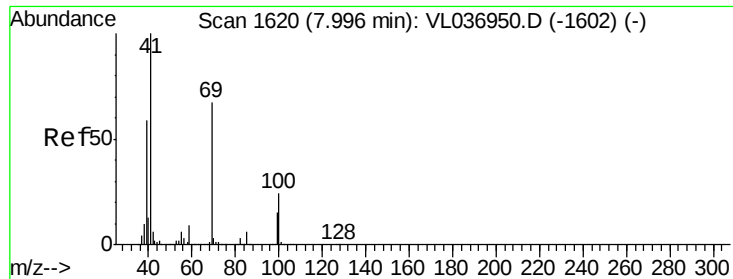
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6/14/2021 11:59:46 AM



#42
Bromodichloromethane
Concen: 11.158 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. 0.02 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.7	77.5
127	8.8	6.9	10.3





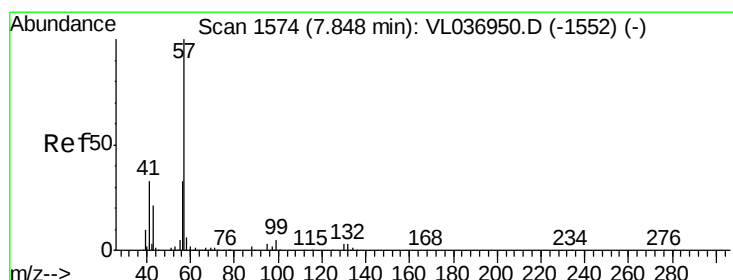
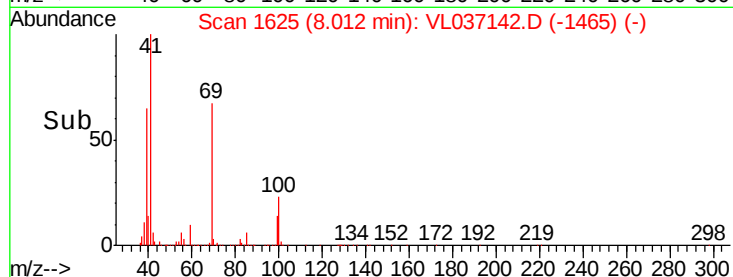
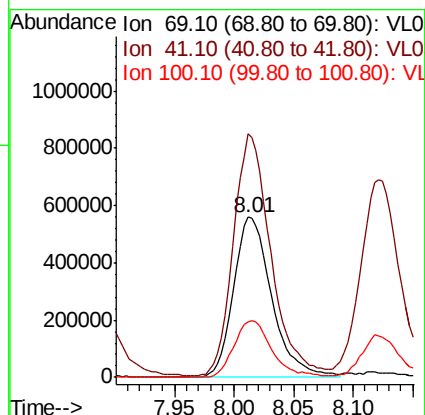
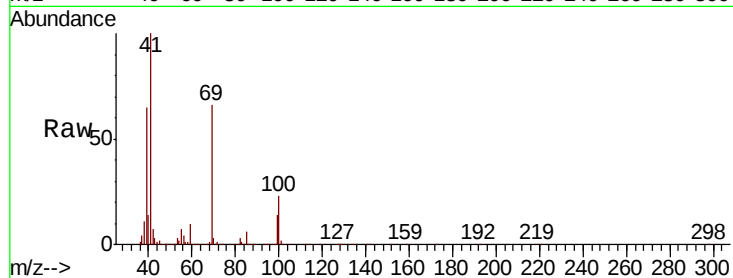
#43
Methvl Methacrilate
Concen: 10.366 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. 0.02 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Instrument :
MSVOA_L
ClientSampleId :
VL0608ABS02

Tot Ion: 69 Resp: 1246164
Ion Ratio Lower Upper
69 100
41 149.3 118.6 178.0
100 35.1 28.2 42.4

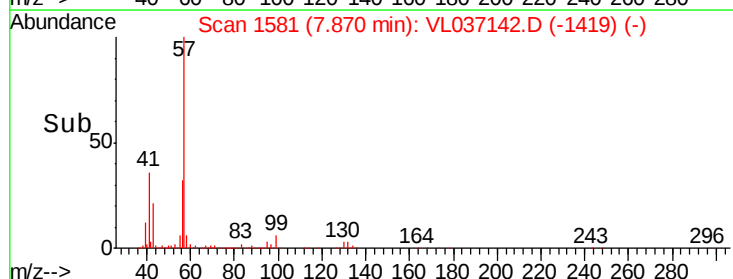
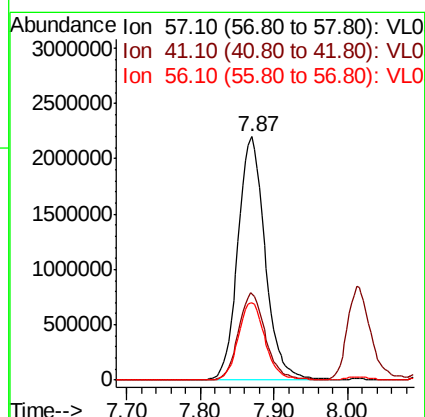
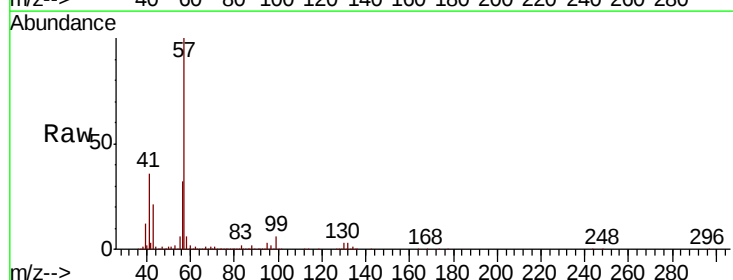
Manual Integrations
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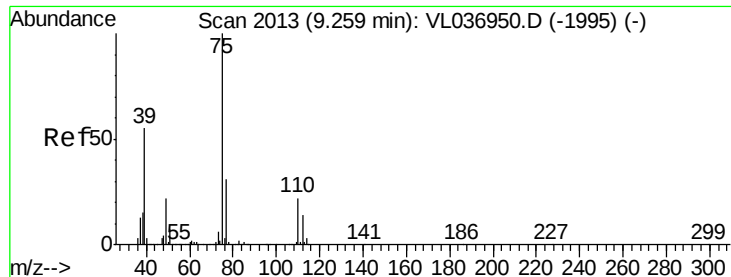
SAM
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#44
2,2,4-Trimethylpentane
Concen: 9.488 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. 0.02 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Tgt Ion: 57 Resp: 5677641
Ion Ratio Lower Upper
57 100
41 35.3 27.0 40.4
56 31.4 25.4 38.2





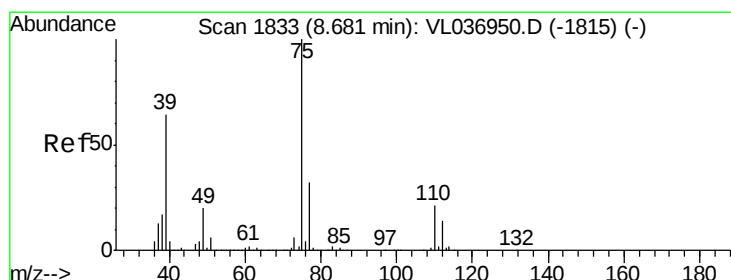
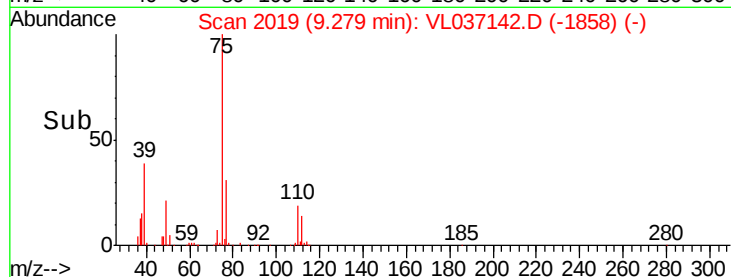
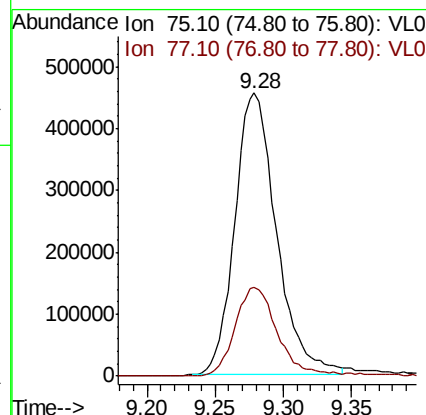
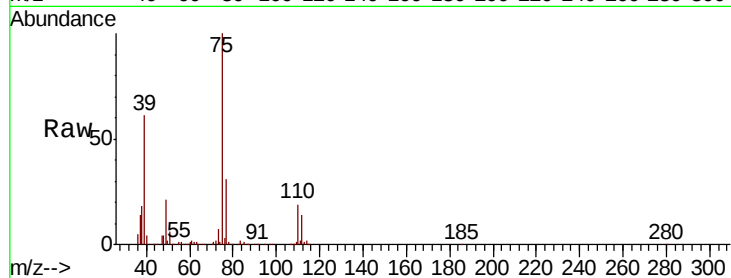
#45
t-1,3-Dichloropropene
Concen: 10.522 ppbv
RT: 9.28 min Scan# 2019
Delta R.T. 0.02 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Instrument :
MSVOA_L
ClientSampleId :
VL0608ABS02

Tot Ion: 75 Resp: 966340
Ion Ratio Lower Upper
75 100
77 31.4 24.4 36.6

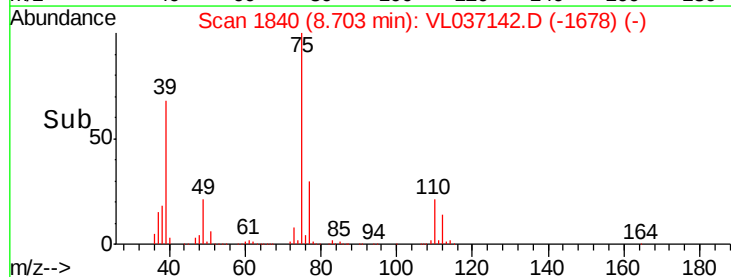
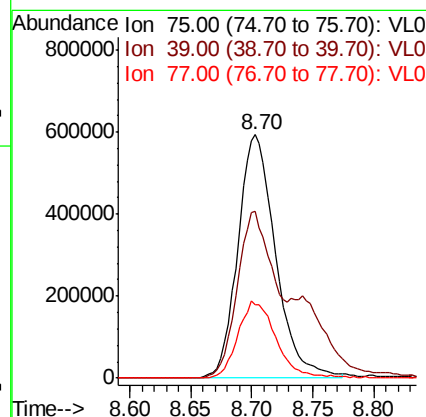
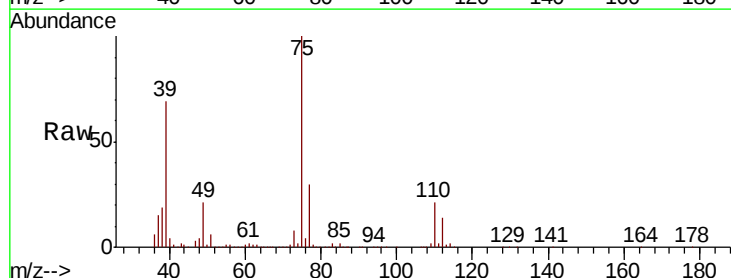
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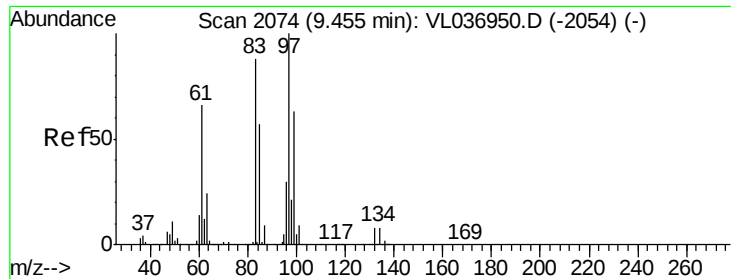
SAM
6/14/2021 11:59:46 AM



#46
cis-1,3-Dichloropropene
Concen: 10.282 ppbv
RT: 8.70 min Scan# 1840
Delta R.T. 0.02 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Tgt Ion: 75 Resp: 1270202
Ion Ratio Lower Upper
75 100
39 68.5 51.5 77.3
77 30.0 25.9 38.9





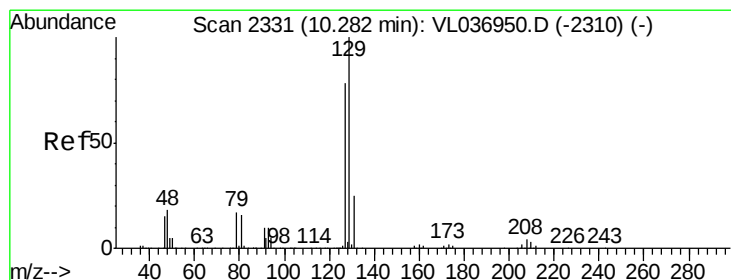
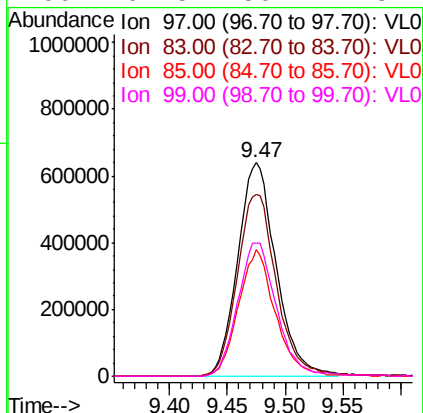
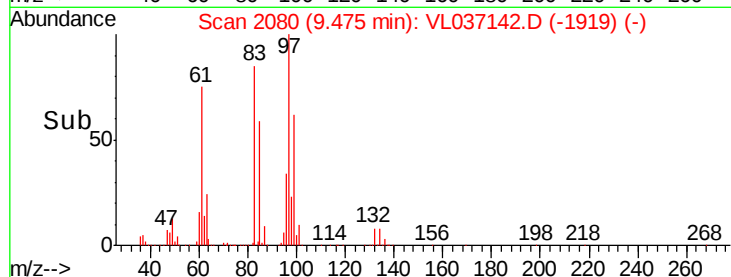
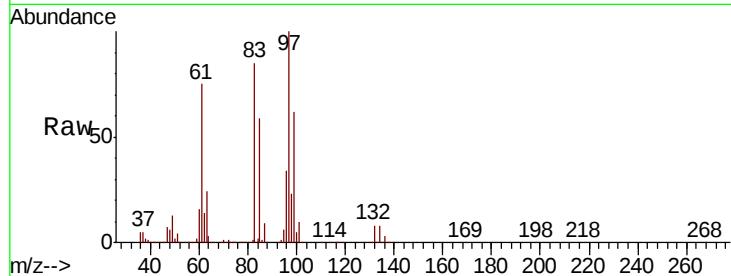
#47
 1,1,2-Trichloroethane
 Concen: 10.458 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. 0.02 min
 Lab File: VL037142.D
 Acq: 8 Jun 2021 21:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0608ABS02

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.1	70.4	105.6
85	59.1	45.5	68.3
99	62.5	50.2	75.2

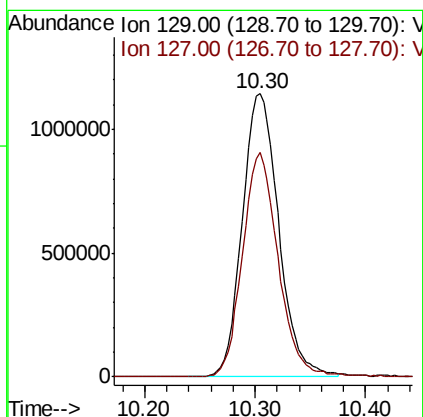
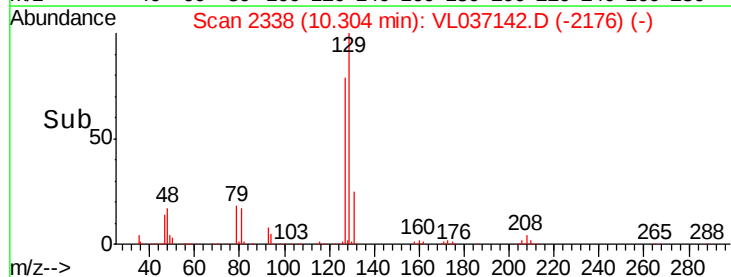
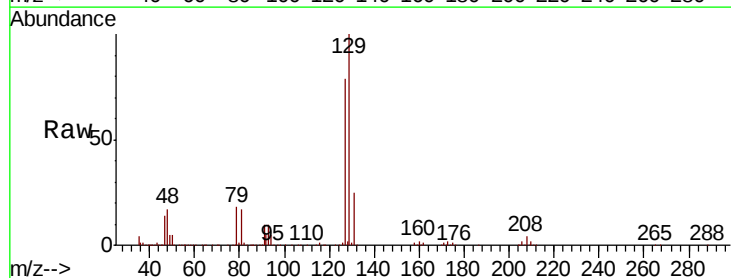
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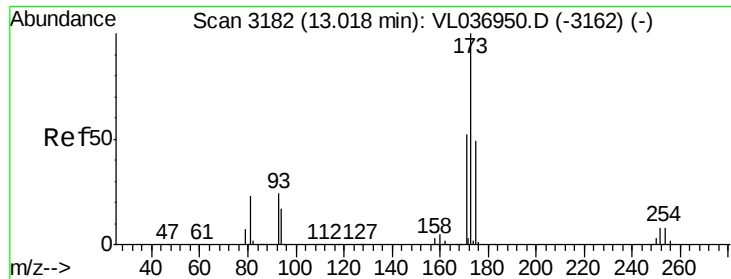
SAM
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#48
 Dibromochloromethane
 Concen: 11.511 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. 0.02 min
 Lab File: VL037142.D
 Acq: 8 Jun 2021 21:36

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.3	117.8





#49

Bromoform

Concen: 11.385 ppbv

RT: 13.04 min Scan# 3188

Delta R.T. 0.02 min

Lab File: VL037142.D

Acq: 8 Jun 2021 21:36

Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS02

Tot Ion:173 Resp: 2140871

Ion Ratio Lower Upper

173 100

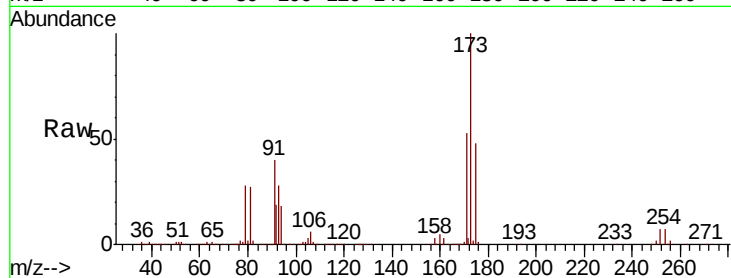
175 50.5 40.4 60.6

171 53.3 42.6 64.0

Manual Integrations
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SAM

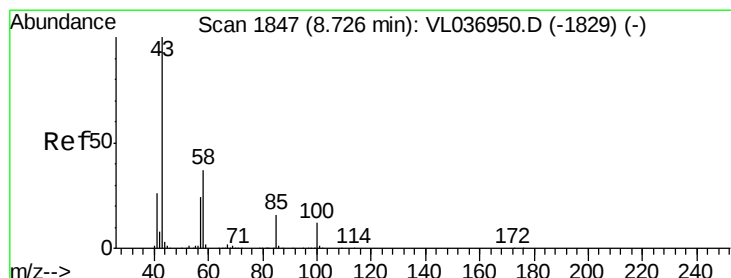
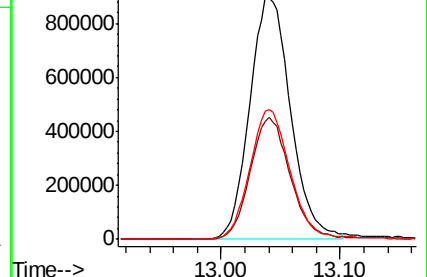
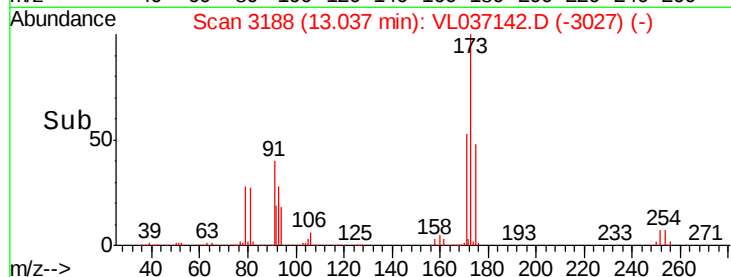
6/14/2021 11:59:46 AM



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.086 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.02 min

Lab File: VL037142.D

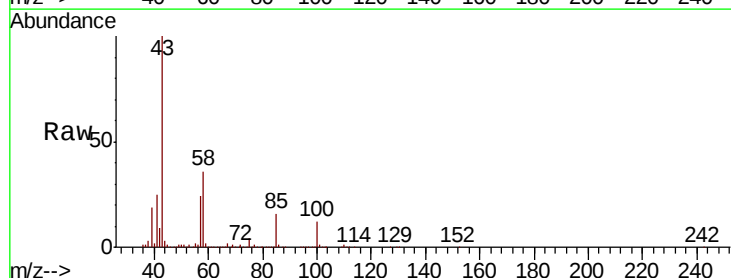
Acq: 8 Jun 2021 21:36

Tgt Ion: 43 Resp: 2454024

Ion Ratio Lower Upper

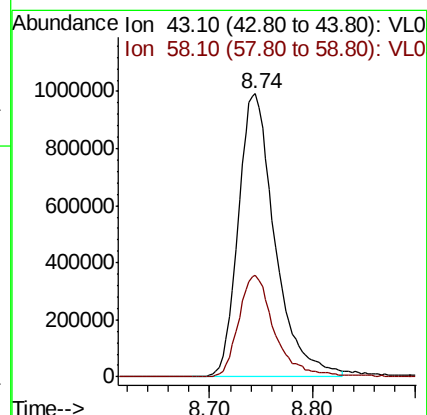
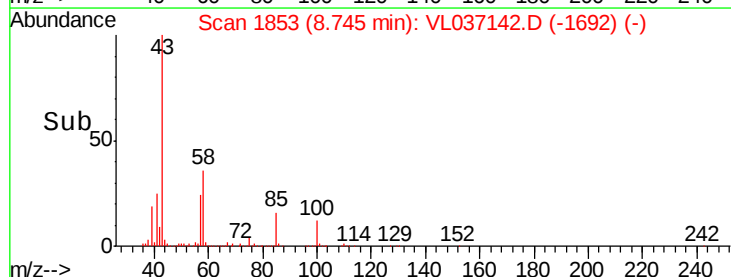
43 100

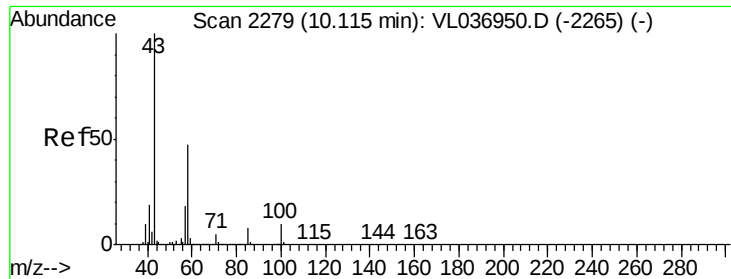
58 35.7 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





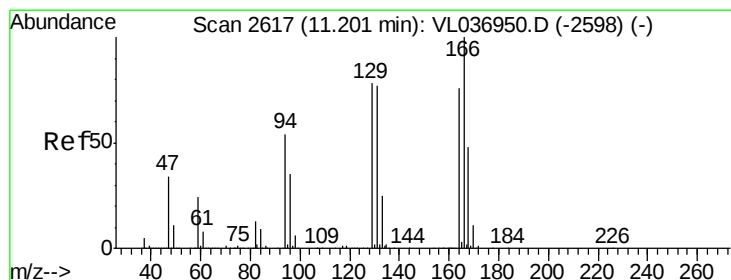
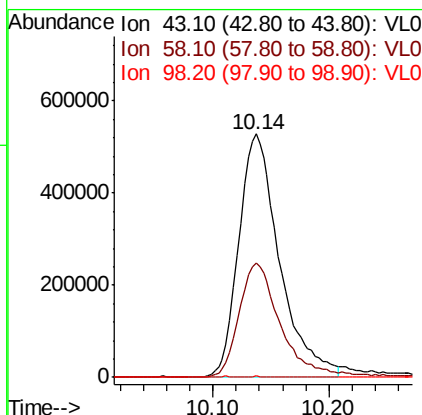
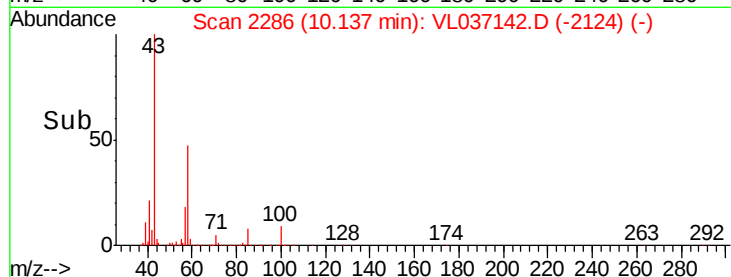
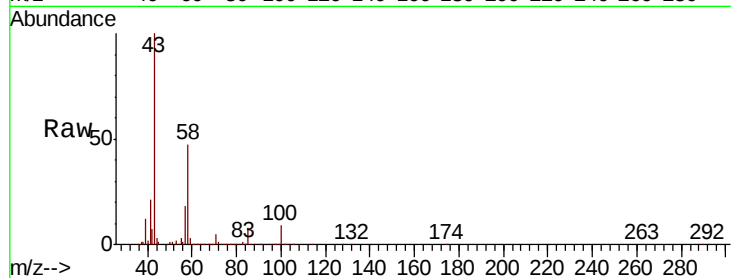
#51
2-Hexanone
Concen: 10.008 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. 0.02 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Instrument :
MSVOA_L
ClientSampleId :
VL0608ABS02

Tot Ion: 43 Resp: 1287225
Ion Ratio Lower Upper
43 100
58 48.5 41.1 61.7
98 0.4 0.1 0.1#

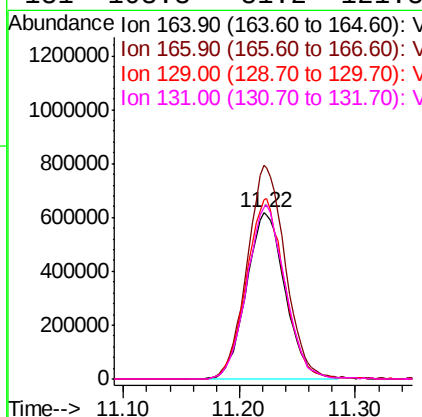
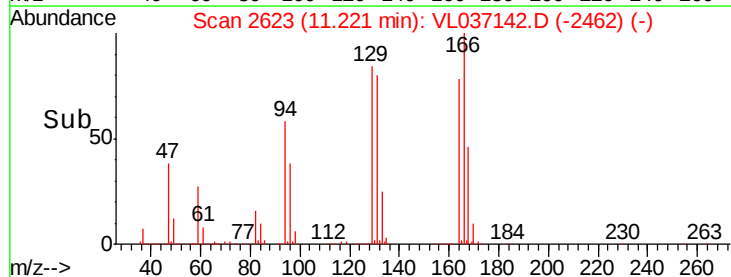
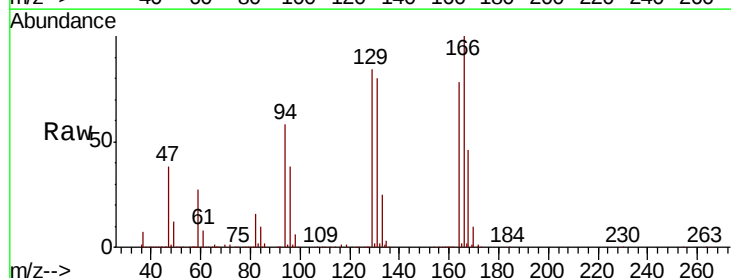
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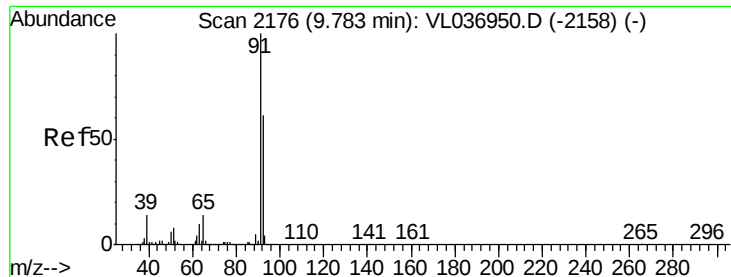
SAM
6/14/2021 11:59:46 AM



#52
Tetrachloroethene
Concen: 10.285 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. 0.02 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Tgt Ion: 164 Resp: 1426424
Ion Ratio Lower Upper
164 100
166 128.5 105.5 158.3
129 107.8 81.8 122.8
131 103.3 81.2 121.8





#53

Toluene

Concen: 9.917 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. 0.02 min

Lab File: VL037142.D

Acq: 8 Jun 2021 21:36

Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS02

Tot Ion: 91 Resp: 4115751

Ion Ratio Lower Upper

91 100

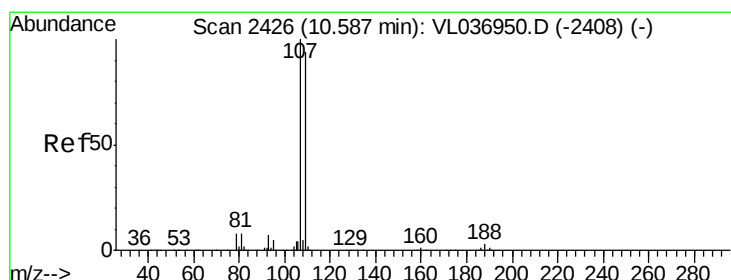
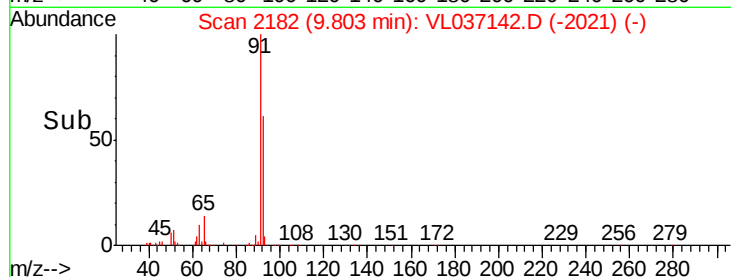
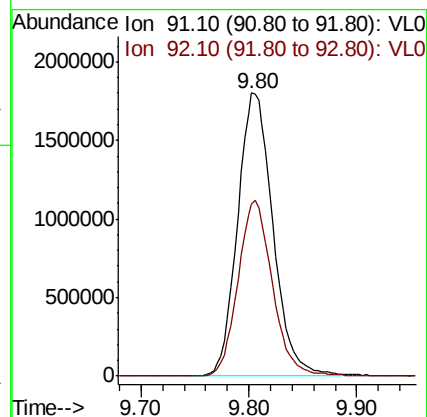
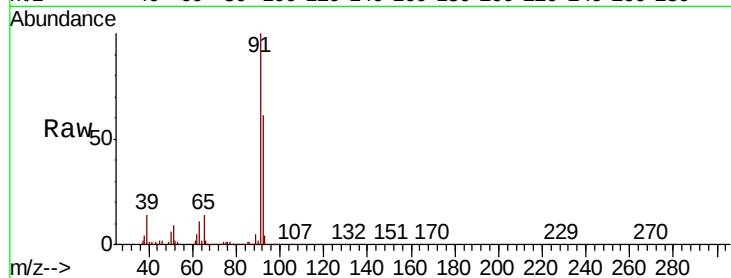
92 60.9 49.5 74.3

Manual Integrations

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6/14/2021 11:59:46 AM



#54

1,2-Dibromoethane

Concen: 11.000 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. 0.02 min

Lab File: VL037142.D

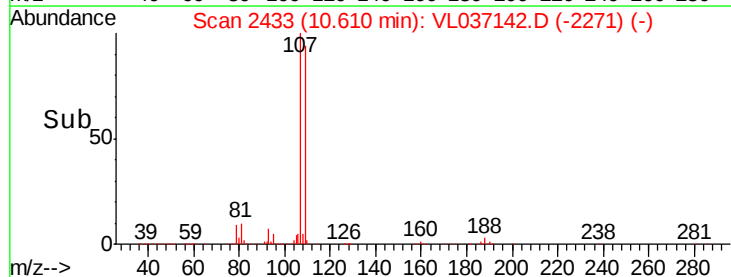
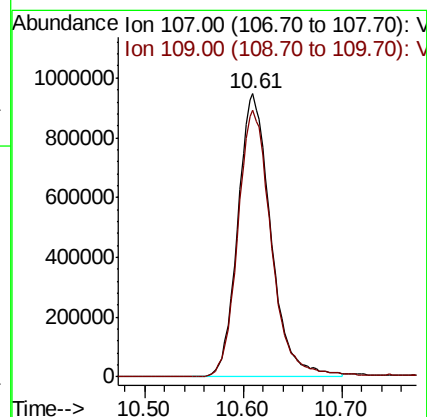
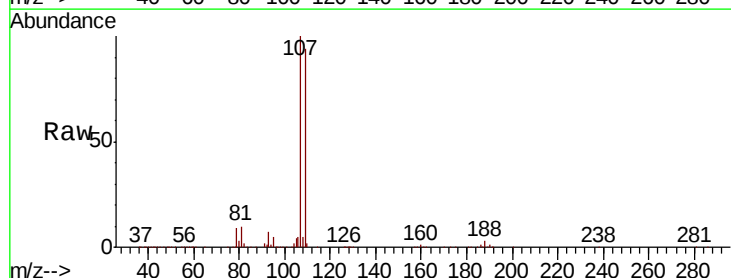
Acq: 8 Jun 2021 21:36

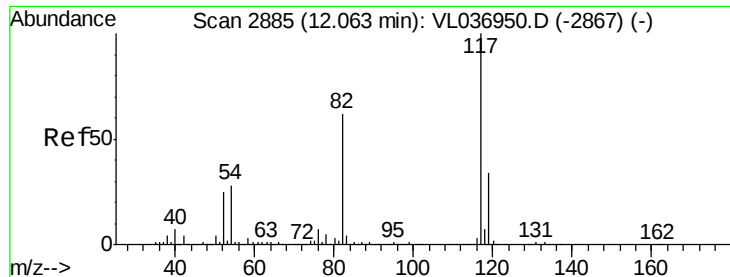
Tgt Ion: 107 Resp: 2199069

Ion Ratio Lower Upper

107 100

109 94.4 75.0 112.4





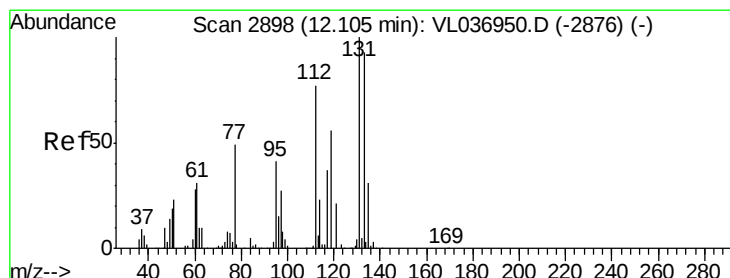
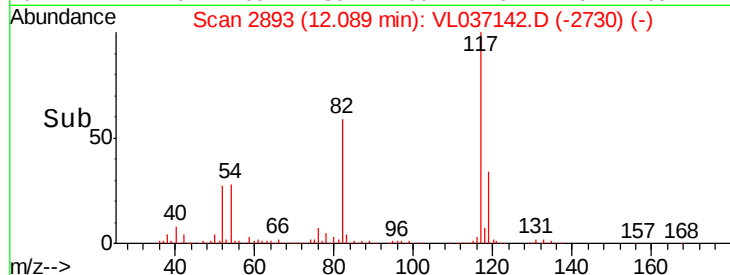
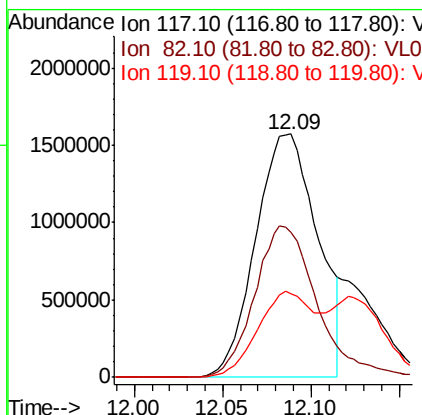
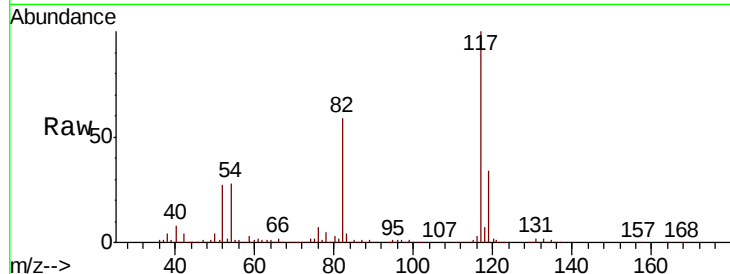
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2893
Delta R.T. 0.03 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Instrument :
MSVOA_L
ClientSampleId :
VL0608ABS02

Tot Ion:117 Resp: 3827133
Ion Ratio Lower Upper
117 100
82 64.0 52.6 79.0
119 31.6 46.6 70.0#

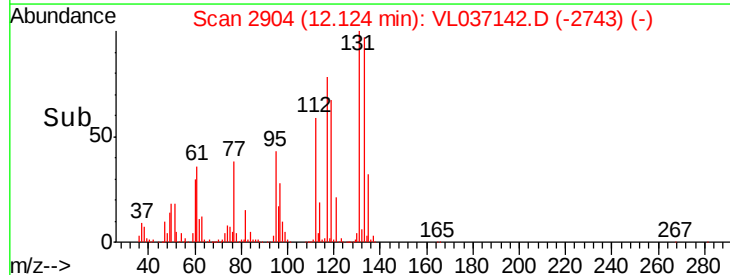
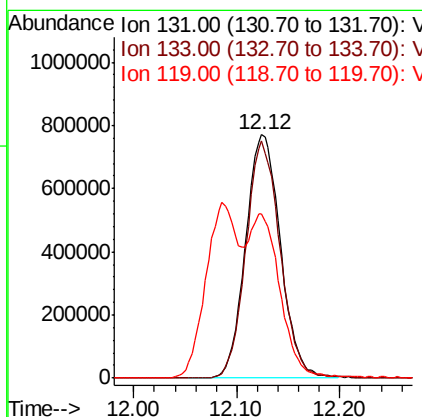
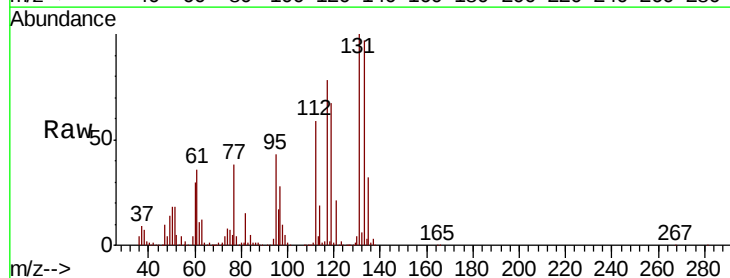
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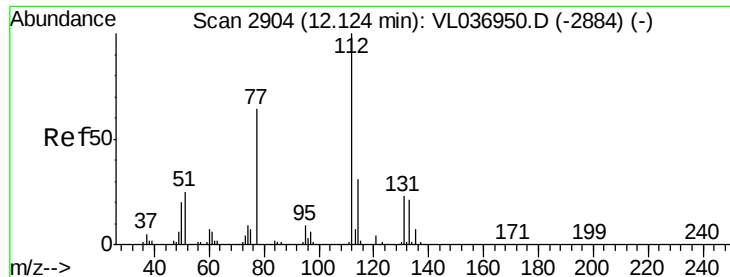
SAM
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#56
1,1,1,2-Tetrachloroethane
Concen: 11.230 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.02 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Tgt Ion:131 Resp: 1808344
Ion Ratio Lower Upper
131 100
133 96.0 76.9 115.3
119 67.7 120.2 180.4#





#57

Chlorobenzene

Concen: 10.715 ppbv

RT: 12.14 min Scan# 2910

Delta R.T. 0.02 min

Lab File: VL037142.D

Acq: 8 Jun 2021 21:36

Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS02

Tot Ion: 112 Resp: 3179716

Ion Ratio Lower Upper

112 100

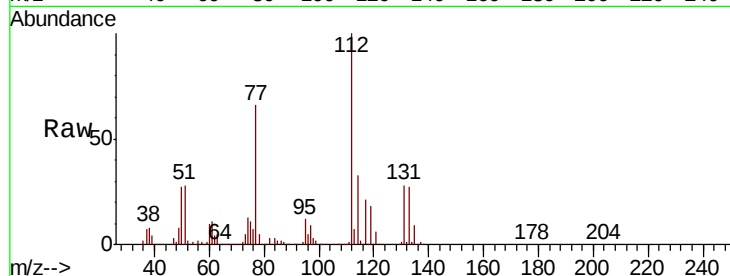
77 65.7 51.0 76.6

114 32.7 28.3 34.5

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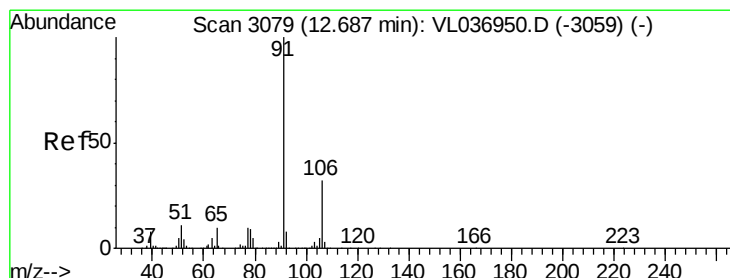
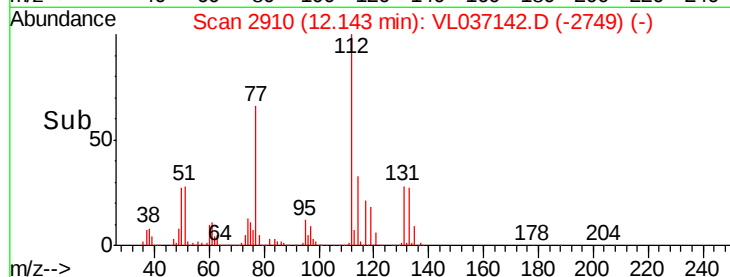
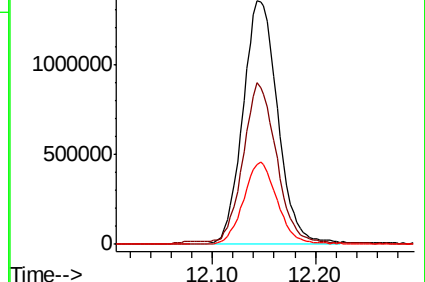
6/14/2021 11:59:46 AM



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: 10.237 ppbv

RT: 12.71 min Scan# 3086

Delta R.T. 0.02 min

Lab File: VL037142.D

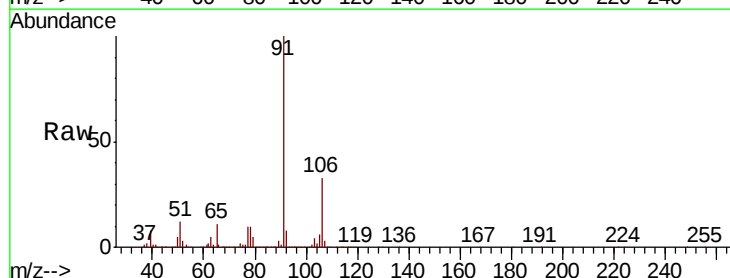
Acq: 8 Jun 2021 21:36

Tgt Ion: 91 Resp: 5529786

Ion Ratio Lower Upper

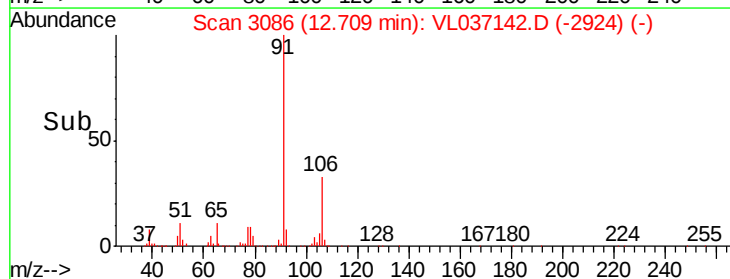
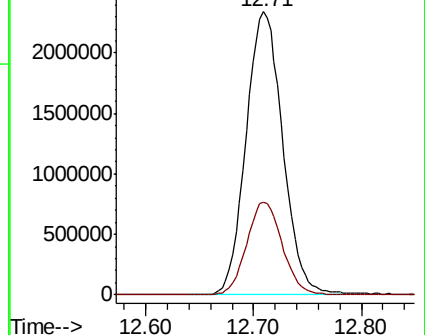
91 100

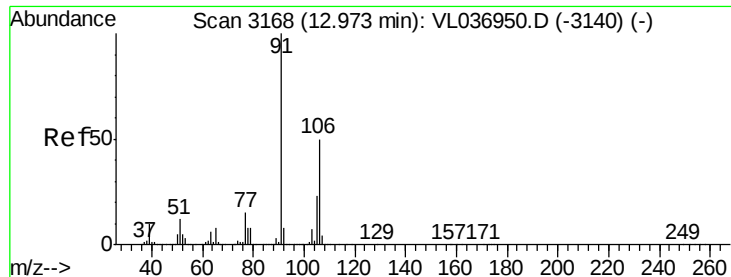
106 32.6 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





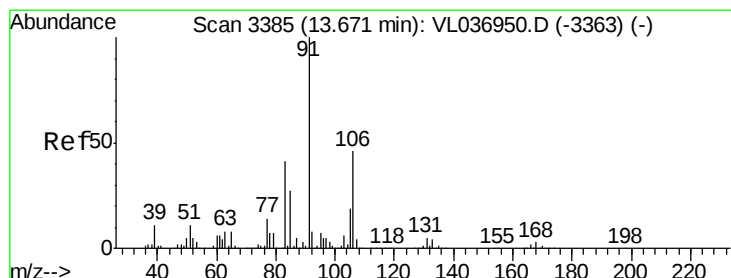
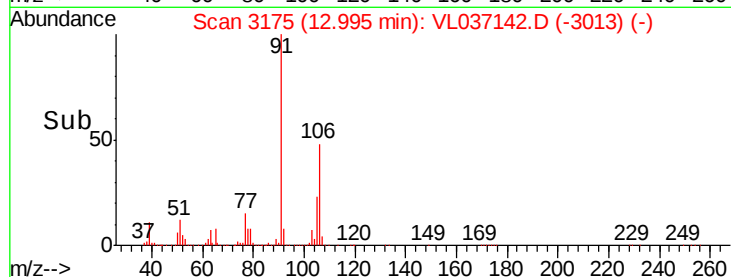
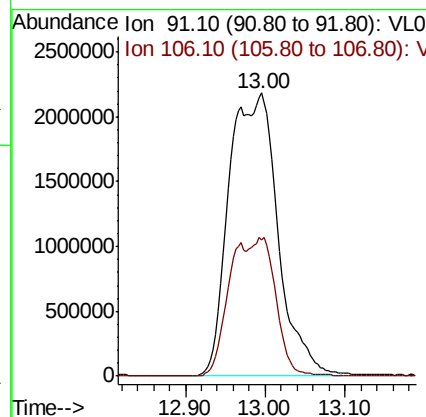
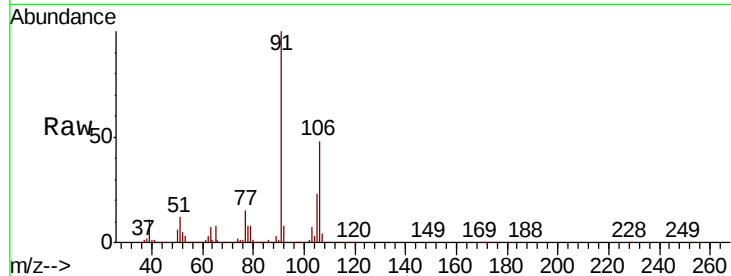
#59
m/p-Xylene
Concen: 20.862 ppbv m
RT: 13.00 min Scan# 3175
Delta R.T. 0.02 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Instrument :
MSVOA_L
ClientSampleId :
VL0608ABS02

Tot Ion: 91 Resp: 9314821
Ion Ratio Lower Upper
91 100
106 46.0 37.4 56.2

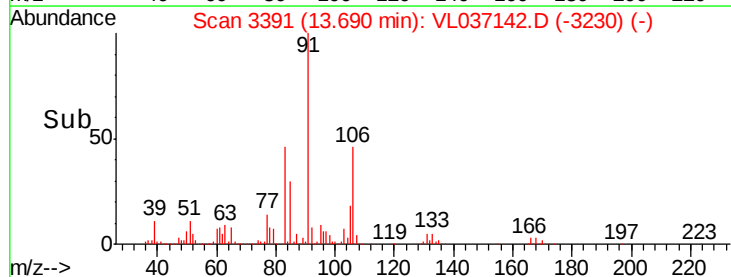
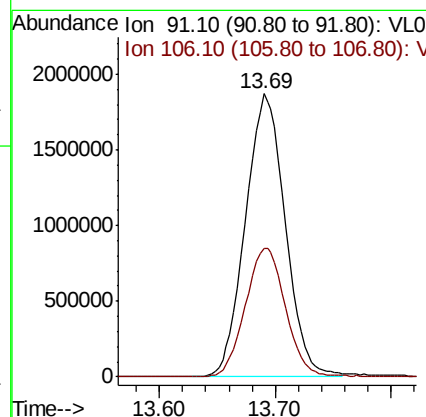
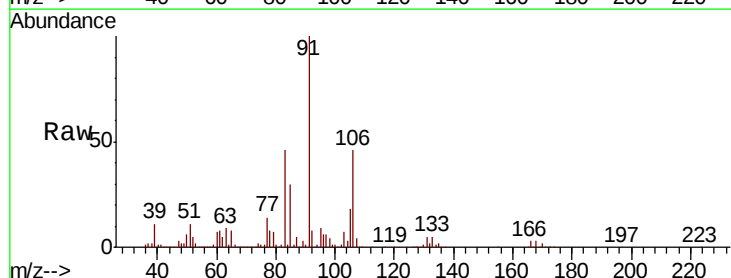
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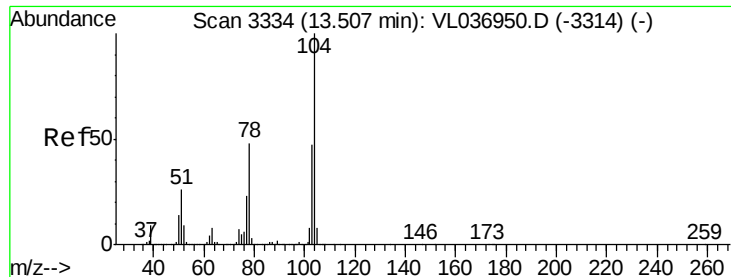
SAM
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#60
o-Xylene
Concen: 10.459 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. 0.02 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Tgt Ion: 91 Resp: 4453684
Ion Ratio Lower Upper
91 100
106 46.4 23.4 70.3





#61

Stvrene

Concen: 10.673 ppbv

RT: 13.53 min Scan# 3341

Delta R.T. 0.02 min

Lab File: VL037142.D

Acq: 8 Jun 2021 21:36

Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS02

Tot Ion:104 Resp: 2560541

Ion Ratio Lower Upper

104 100

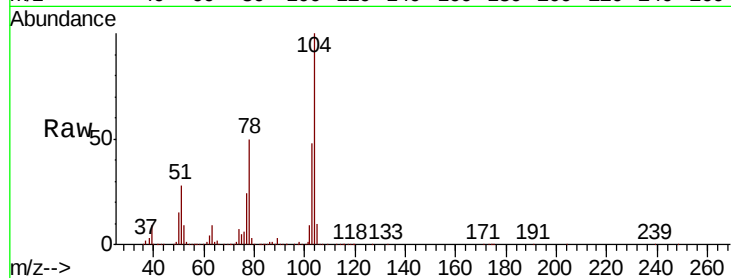
78 51.6 39.0 58.6

103 48.6 38.0 57.0

Manual Integrations
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SAM

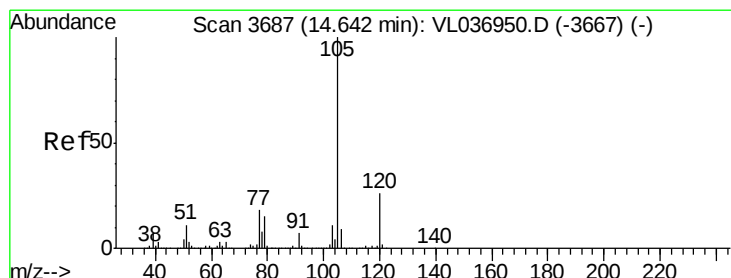
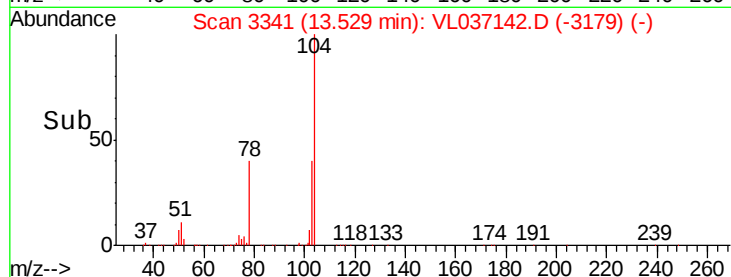
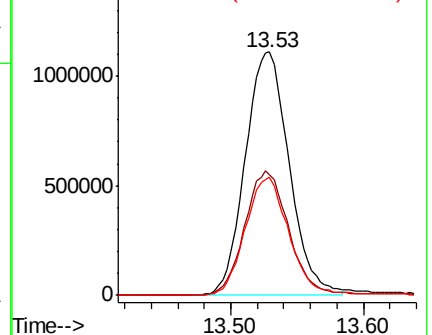
6/14/2021 11:59:46 AM



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: 10.281 ppbv

RT: 14.67 min Scan# 3695

Delta R.T. 0.03 min

Lab File: VL037142.D

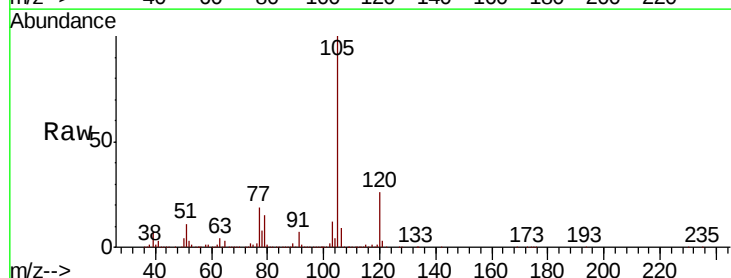
Acq: 8 Jun 2021 21:36

Tgt Ion:105 Resp: 6291716

Ion Ratio Lower Upper

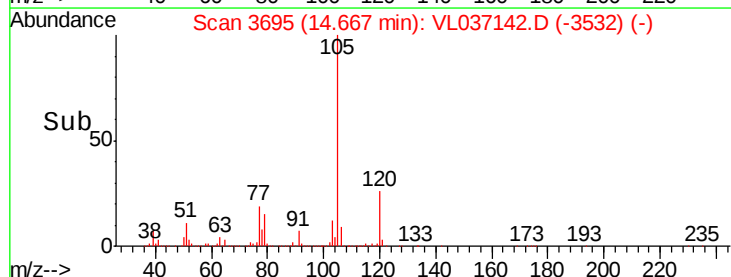
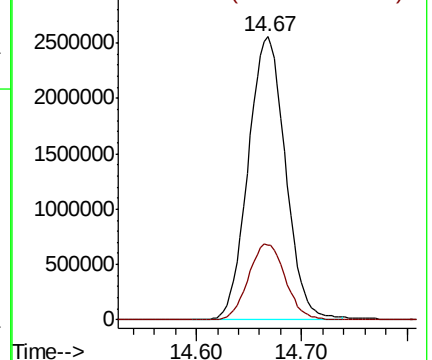
105 100

120 27.0 21.7 32.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 9.593 ppbv

RT: 13.68 min Scan# 3387

Delta R.T. 0.02 min

Lab File: VL037142.D

Acq: 8 Jun 2021 21:36

Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS02

Tot Ion: 83 Resp: 3050854

Ion Ratio Lower Upper

83 100

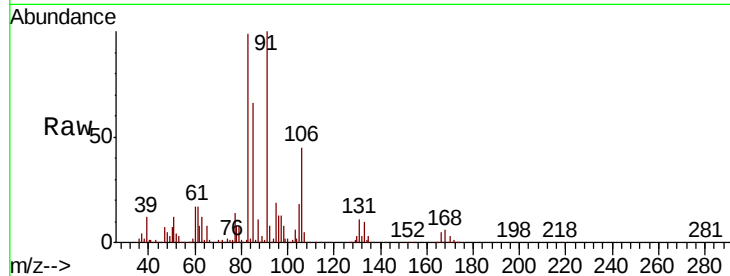
131 10.9 5.0 15.0

85 66.4 32.9 98.6

Manual Integrations
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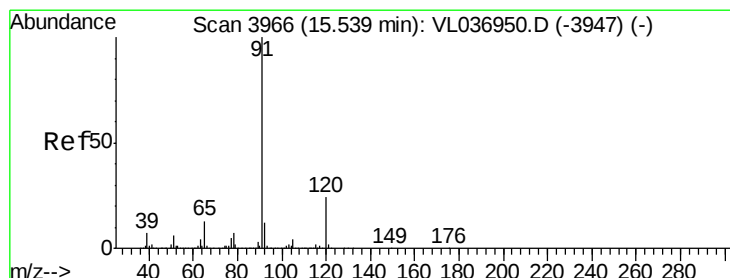
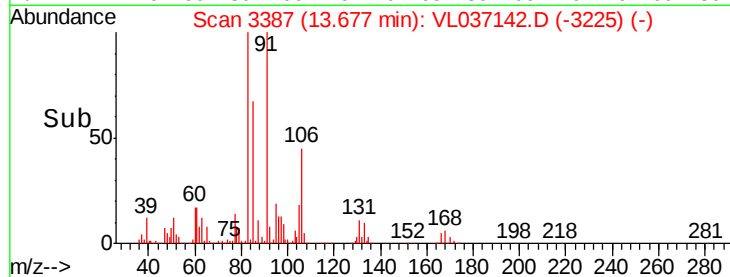
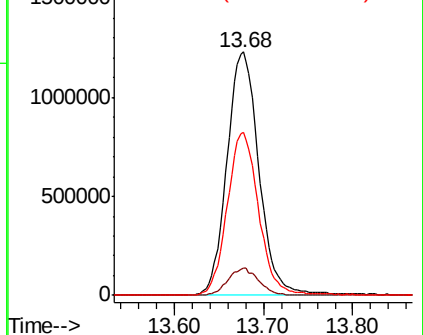
6/14/2021 11:59:46 AM



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: 10.822 ppbv

RT: 15.56 min Scan# 3973

Delta R.T. 0.02 min

Lab File: VL037142.D

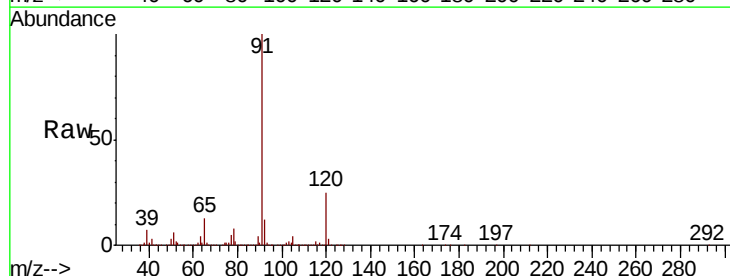
Acq: 8 Jun 2021 21:36

Tgt Ion:120 Resp: 1708844

Ion Ratio Lower Upper

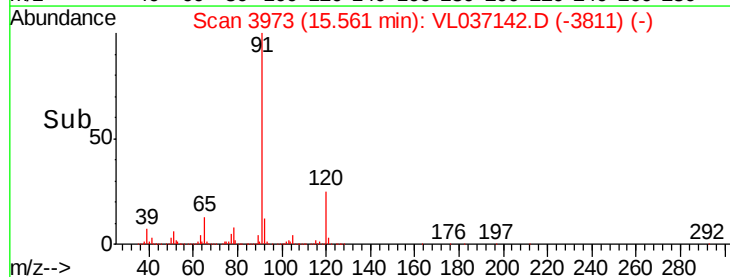
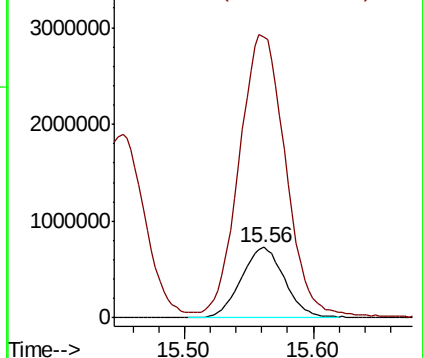
120 100

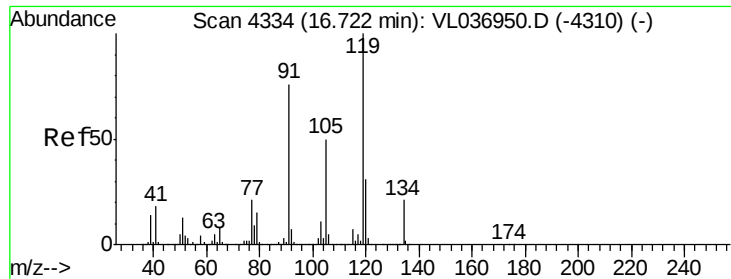
91 434.2 343.8 515.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





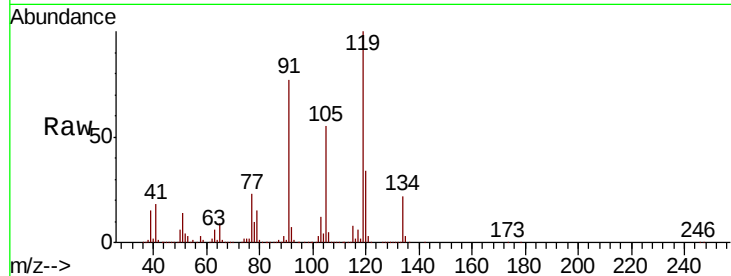
#65
tert-Butylbenzene
Concen: 10.572 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. 0.02 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Instrument :
MSVOA_L
ClientSampleId :
VL0608ABS02

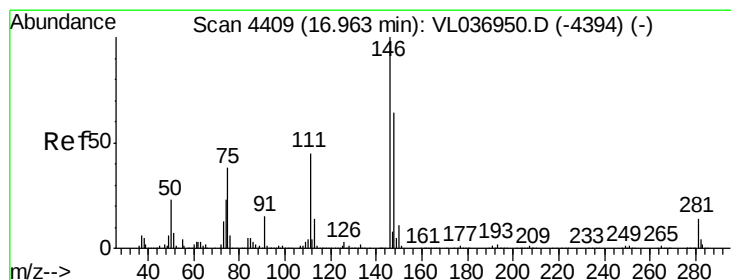
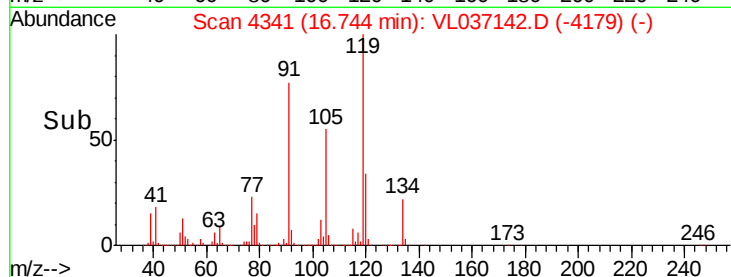
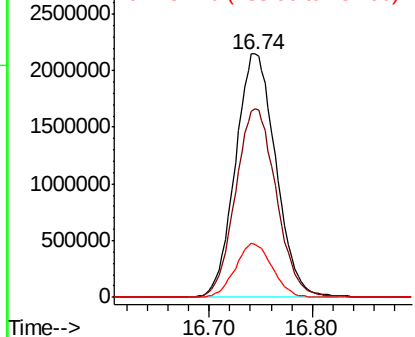
Tot Ion	Ratio	Lower	Upper
119	100		
91	78.4	61.9	92.9
134	20.5	16.2	24.4

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6/14/2021 11:59:46 AM

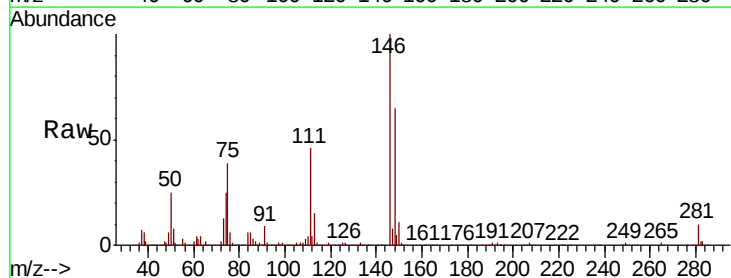


Abundance Ion 119.20 (118.90 to 119.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 134.20 (133.90 to 134.90): V

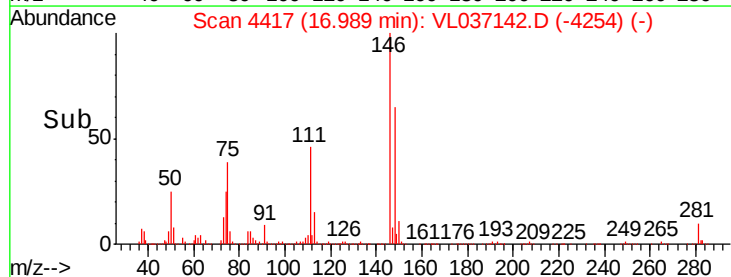
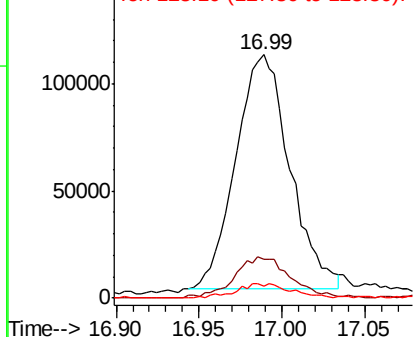


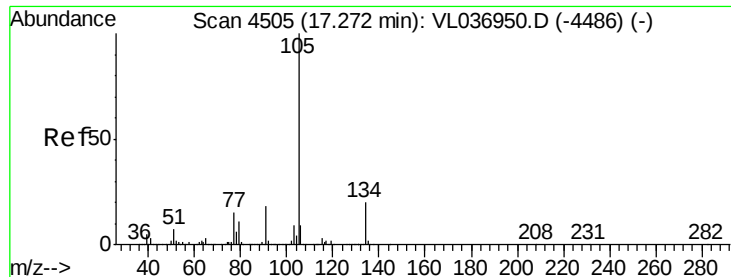
#66
Benzyl Chloride
Concen: 8.060 ppbv
RT: 16.99 min Scan# 4417
Delta R.T. 0.03 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	18.6	16.5	24.7
128	6.8	5.5	8.3



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.349 ppbv

RT: 17.29 min Scan# 4512

Delta R.T. 0.02 min

Lab File: VL037142.D

Acq: 8 Jun 2021 21:36

Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS02

Tot Ion: 105 Resp: 7796191

Ion Ratio Lower Upper

105 100

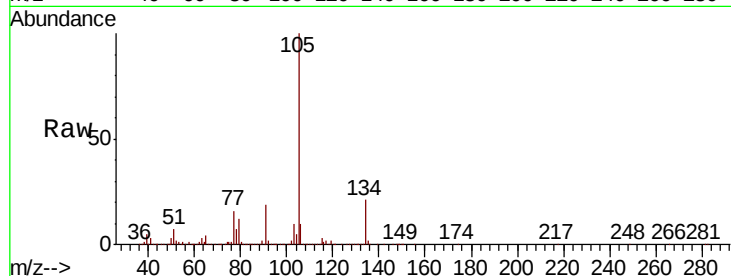
134 20.0 15.6 23.4

Manual Integrations

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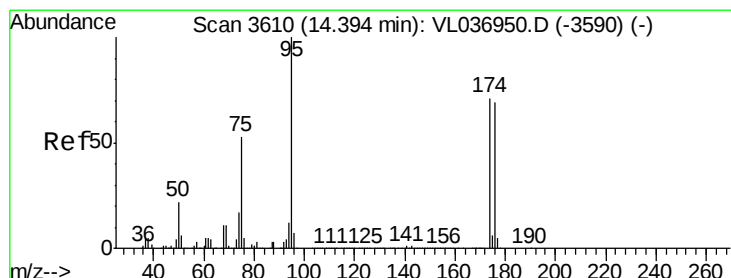
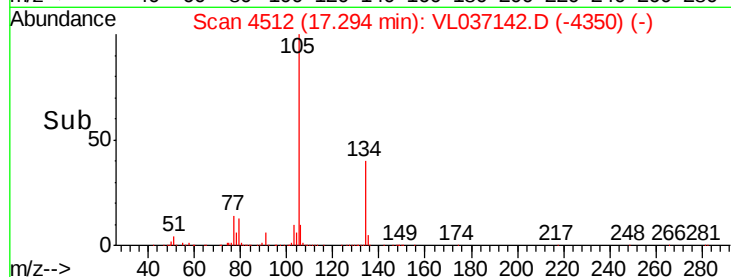
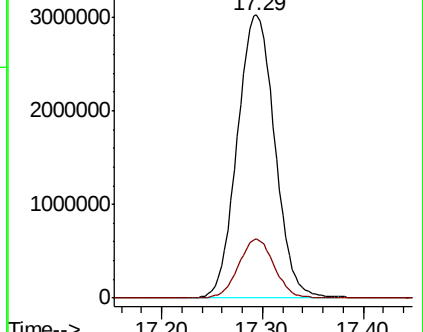
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6/14/2021 11:59:46 AM



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: 10.422 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. 0.02 min

Lab File: VL037142.D

Acq: 8 Jun 2021 21:36

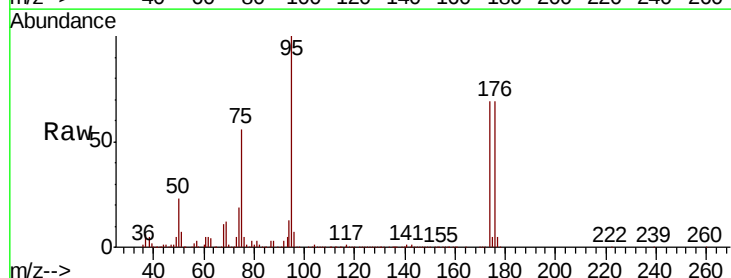
Tgt Ion: 95 Resp: 2996493

Ion Ratio Lower Upper

95 100

174 72.1 58.4 87.6

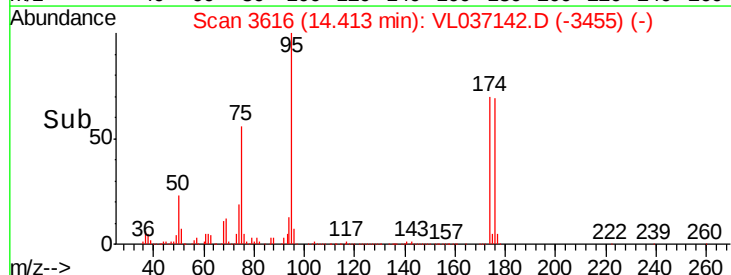
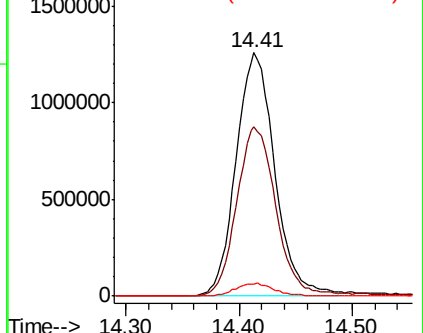
175 5.4 4.4 6.6

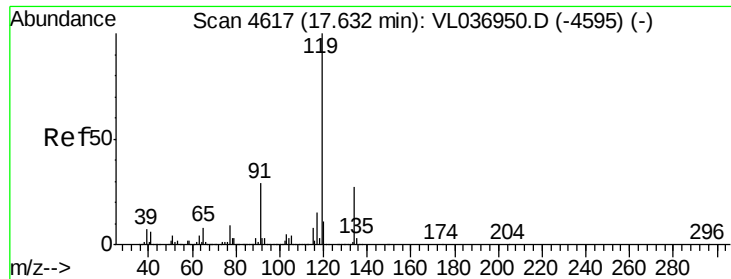


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





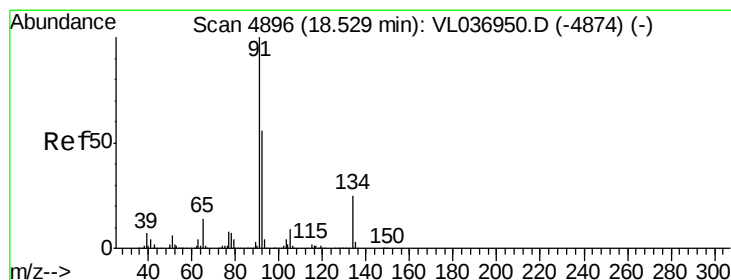
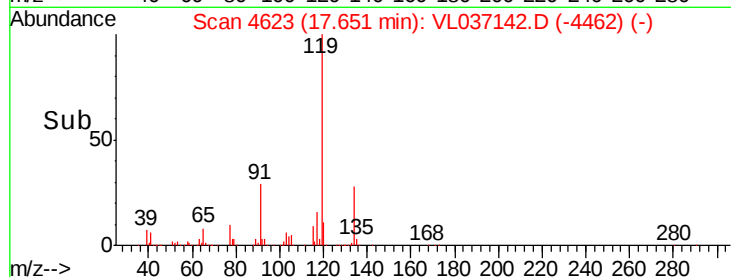
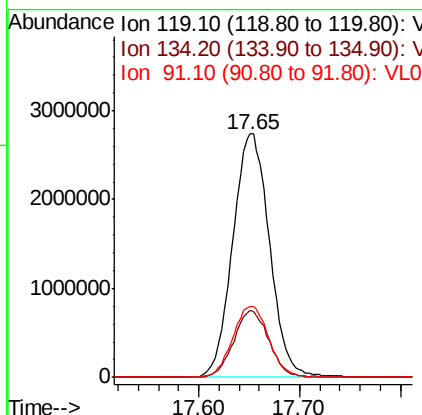
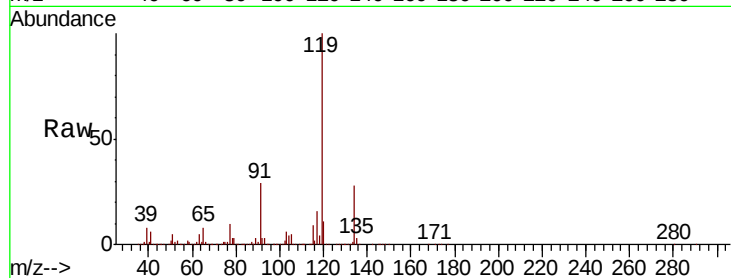
#69
p-Isopropyltoluene
Concen: 10.683 ppbv
RT: 17.65 min Scan# 4623
Delta R.T. 0.02 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Instrument :
MSVOA_L
ClientSampleId :
VL0608ABS02

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	21.2	31.8
91	28.7	22.2	33.4

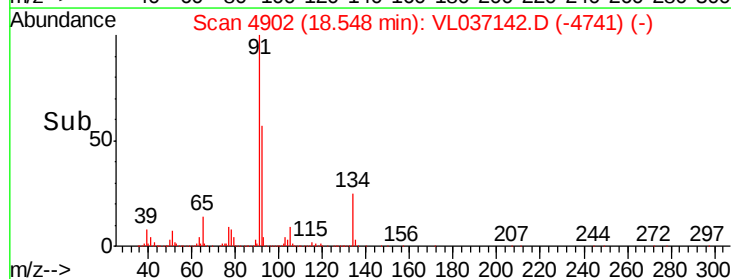
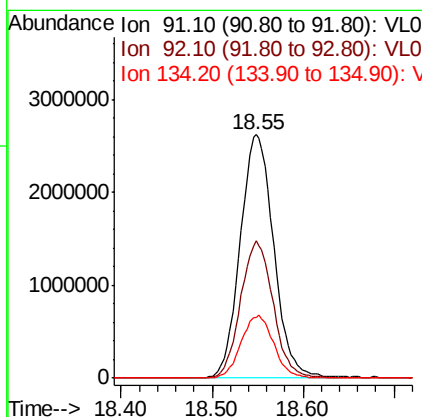
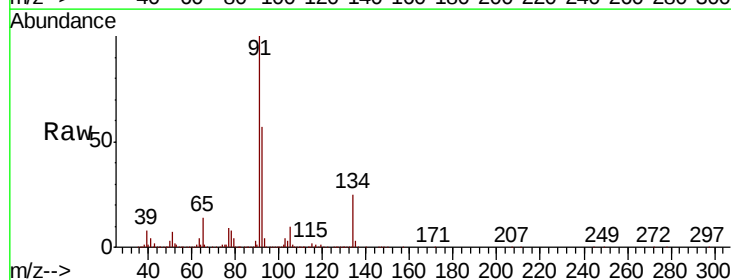
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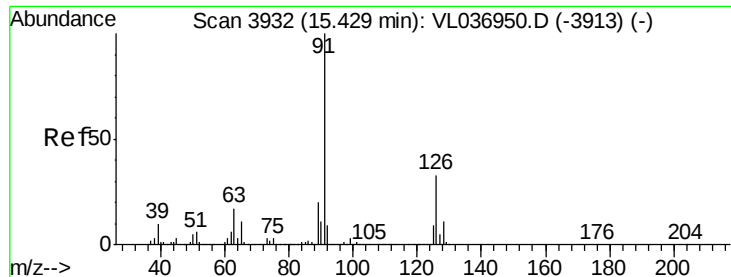
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6/14/2021 11:59:46 AM



#70
n-Butylbenzene
Concen: 10.882 ppbv
RT: 18.55 min Scan# 4902
Delta R.T. 0.02 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.2	44.6	66.8
134	25.4	20.2	30.2





#71

2-Chlorotoluene

Concen: 10.477 ppbv

RT: 15.45 min Scan# 3939

Delta R.T. 0.02 min

Lab File: VL037142.D

Acq: 8 Jun 2021 21:36

Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS02

Tot Ion: 91 Resp: 4631166

Ion Ratio Lower Upper

91 100

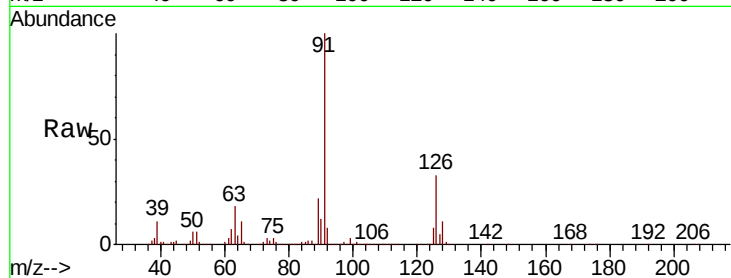
126 33.7 13.1 52.5

Manual Integrations

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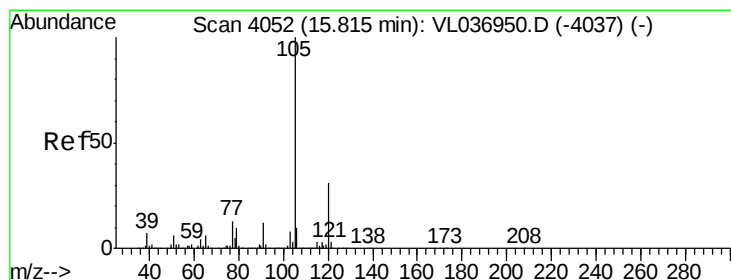
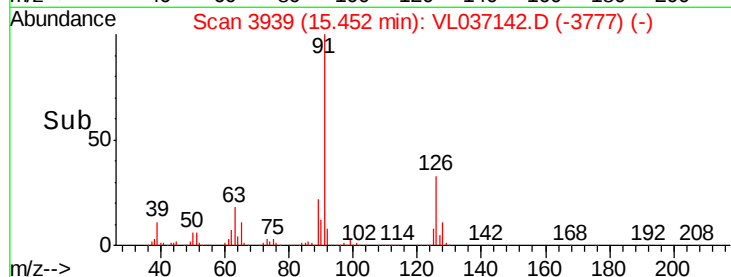
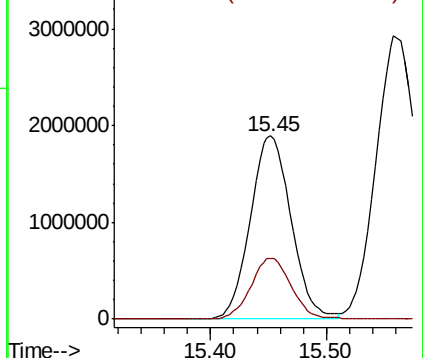
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.917 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. 0.02 min

Lab File: VL037142.D

Acq: 8 Jun 2021 21:36

Tgt Ion:105 Resp: 5517446

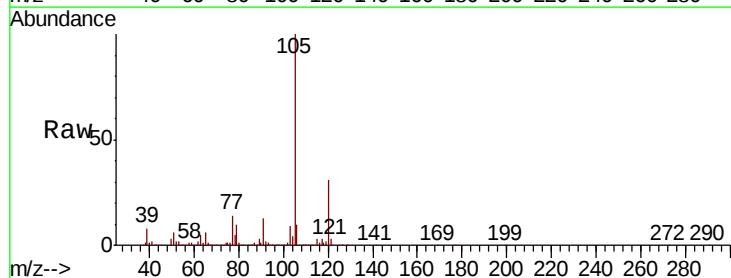
Ion Ratio Lower Upper

105 100

120 31.0 24.6 37.0

91 13.1 9.8 14.6

77 13.7 10.4 15.6

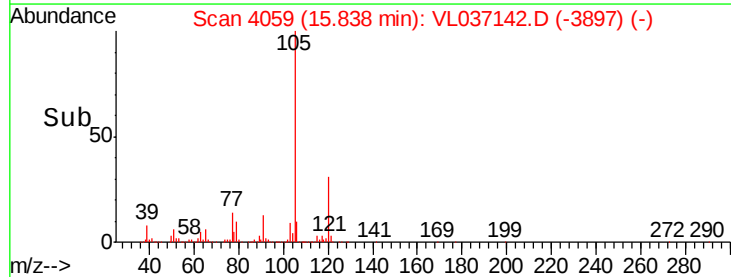
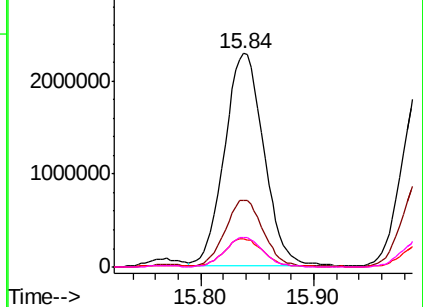


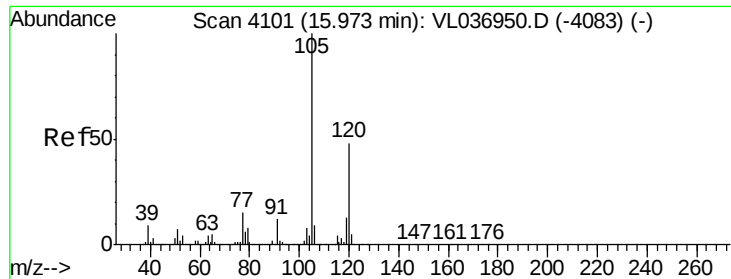
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





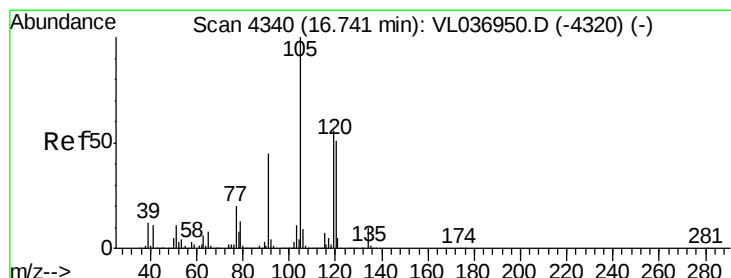
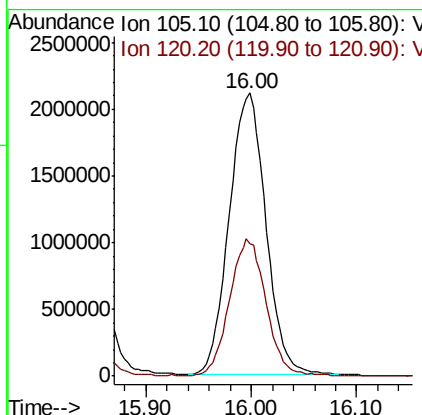
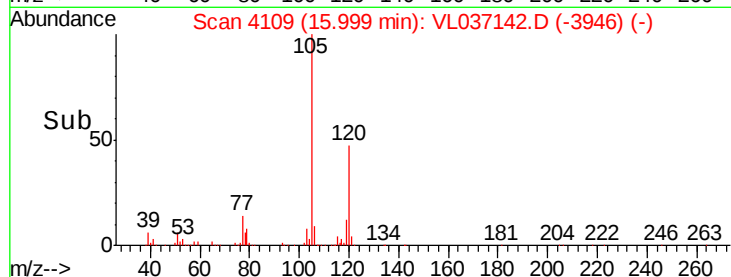
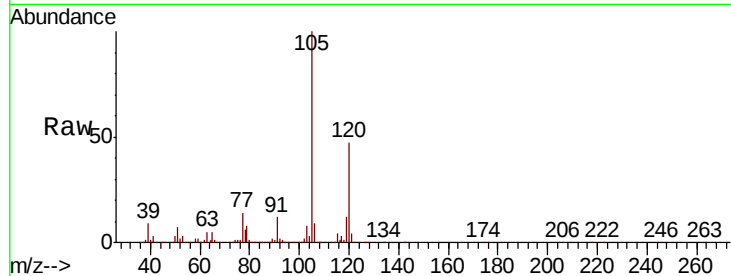
#73
 1,3,5-Trimethylbenzene
 Concen: 10.709 ppbv
 RT: 16.00 min Scan# 4109
 Delta R.T. 0.03 min
 Lab File: VL037142.D
 Acq: 8 Jun 2021 21:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0608ABS02

Tot Ion:105 Resp: 5082804
 Ion Ratio Lower Upper
 105 100
 120 46.6 38.6 58.0

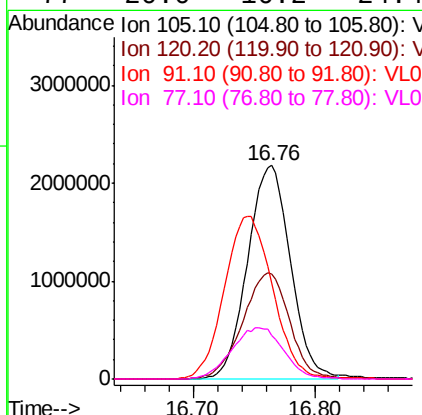
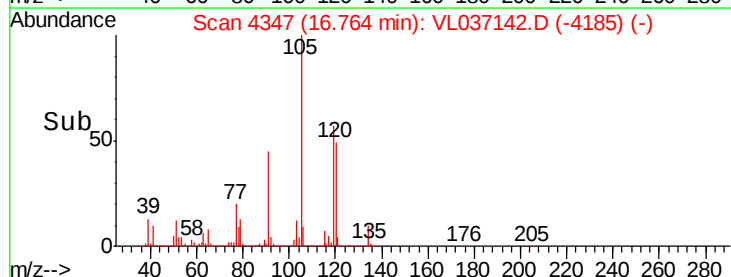
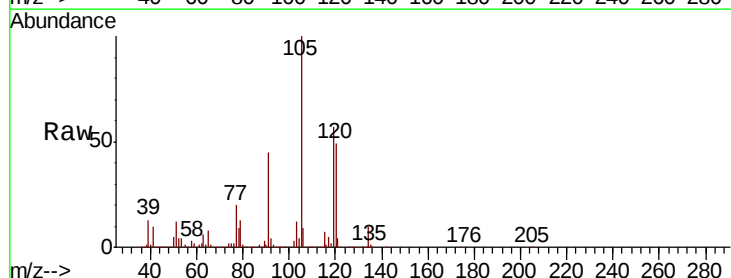
Manual Integrations
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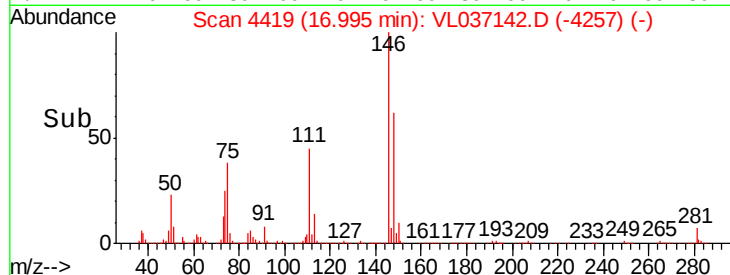
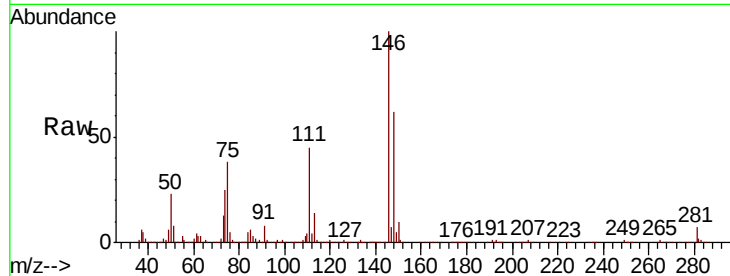
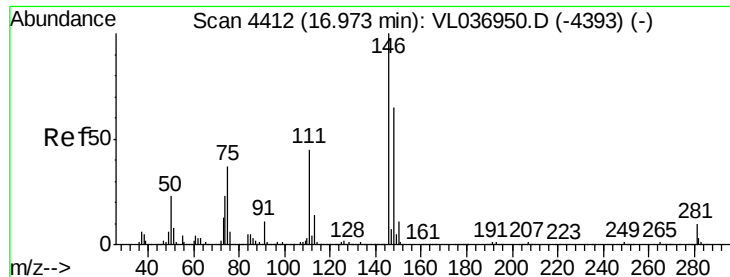
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#74
 1,2,4-Trimethylbenzene
 Concen: 10.796 ppbv
 RT: 16.76 min Scan# 4347
 Delta R.T. 0.02 min
 Lab File: VL037142.D
 Acq: 8 Jun 2021 21:36

Tgt Ion:105 Resp: 5298164
 Ion Ratio Lower Upper
 105 100
 120 48.9 40.6 61.0
 91 44.3 37.4 56.0
 77 20.0 16.2 24.4





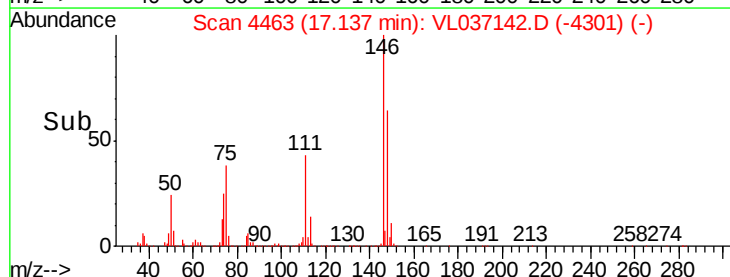
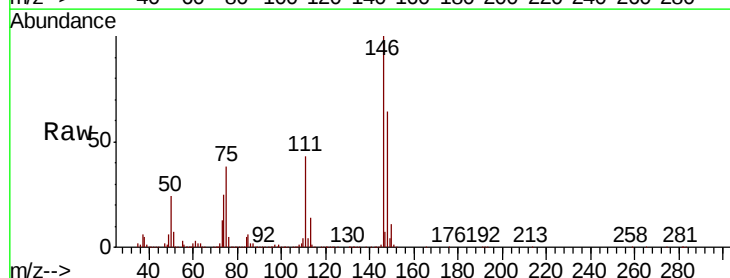
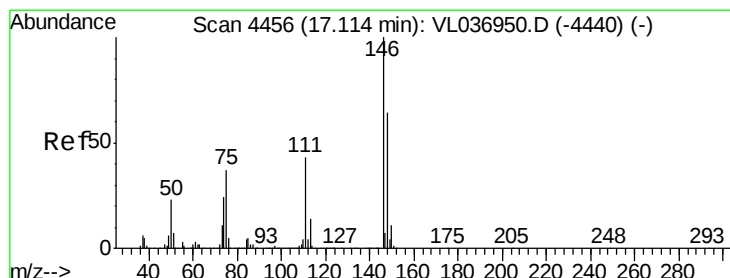
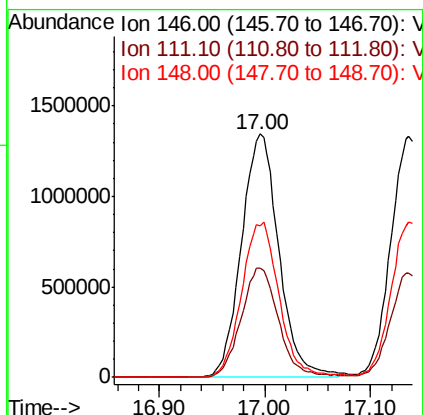
#75
1,3-Dichlorobenzene
Concen: 11.077 ppbv
RT: 17.00 min Scan# 4419
Delta R.T. 0.02 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Tot Ion:146 Resp: 3319465
Ion Ratio Lower Upper
146 100
111 45.2 22.2 66.6
148 64.3 32.3 96.8

Instrument :
MSVOA_L
ClientSampleId :
VL0608ABS02

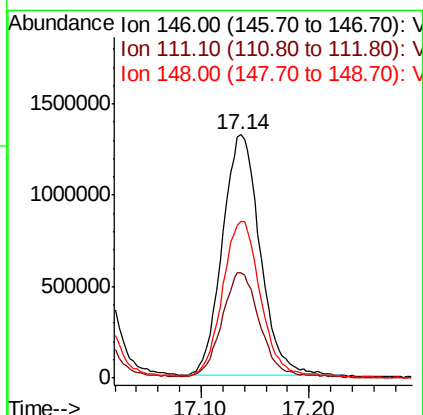
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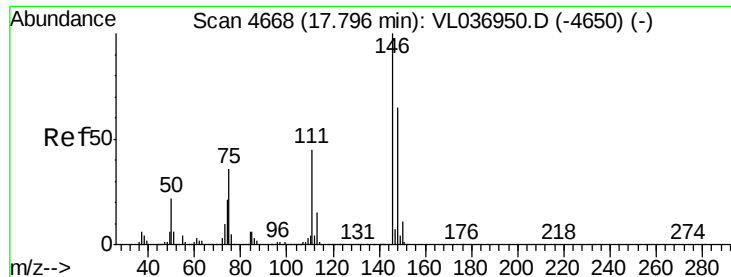
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#76
1,4-Dichlorobenzene
Concen: 10.494 ppbv
RT: 17.14 min Scan# 4463
Delta R.T. 0.02 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Tgt Ion:146 Resp: 3179390
Ion Ratio Lower Upper
146 100
111 45.1 22.6 67.7
148 67.6 33.5 100.5





#77

1,2-Dichlorobenzene

Concen: 10.780 ppbv

RT: 17.82 min Scan# 4674

Delta R.T. 0.02 min

Lab File: VL037142.D

Acq: 8 Jun 2021 21:36

Instrument :

MSVOA_L

ClientSampleId :

VL0608ABS02

Tot Ion:146 Resp: 3236993

Ion Ratio Lower Upper

146 100

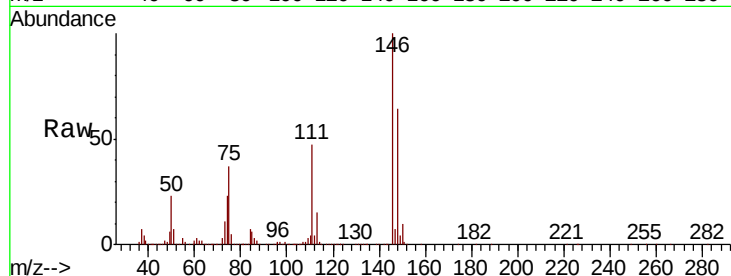
111 46.7 23.1 69.2

148 64.4 32.5 97.4

Manual Integrations
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6/14/2021 11:59:46 AM

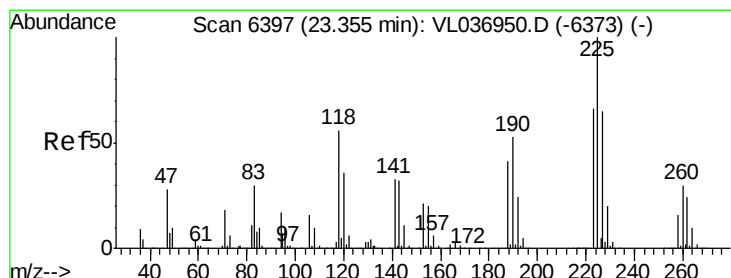
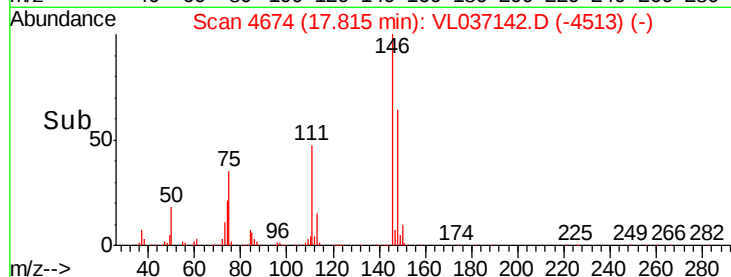
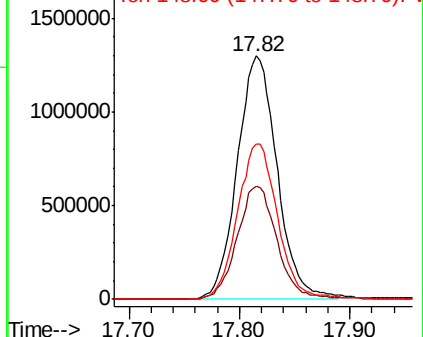


Abundance

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: 9.736 ppbv

RT: 23.37 min Scan# 6403

Delta R.T. 0.02 min

Lab File: VL037142.D

Acq: 8 Jun 2021 21:36

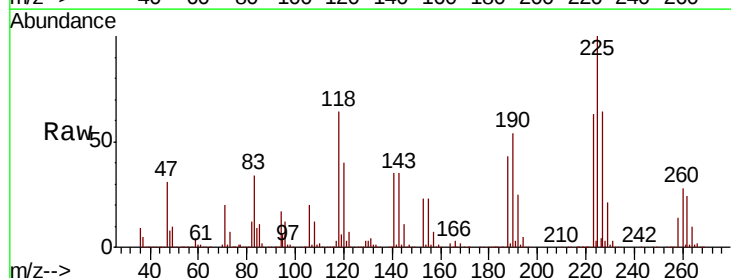
Tgt Ion:225 Resp: 2350800

Ion Ratio Lower Upper

225 100

223 64.3 51.9 77.9

227 64.9 51.8 77.6

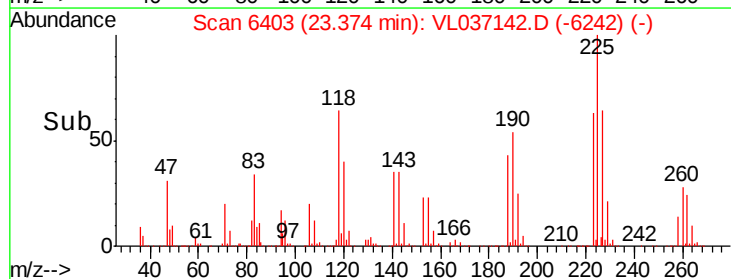
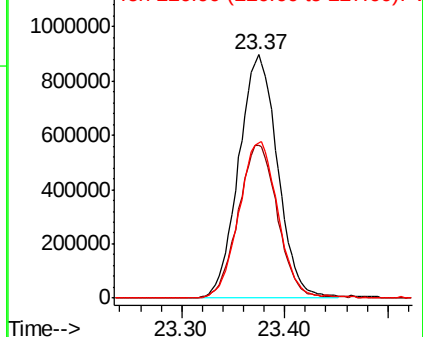


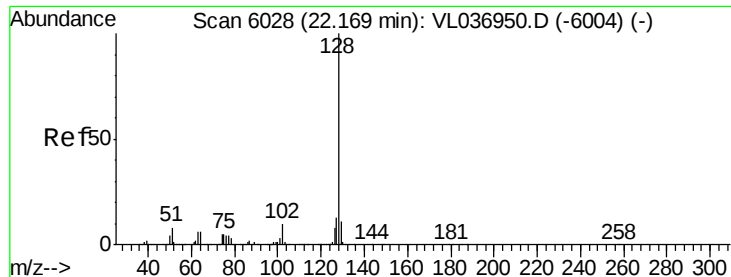
Abundance

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





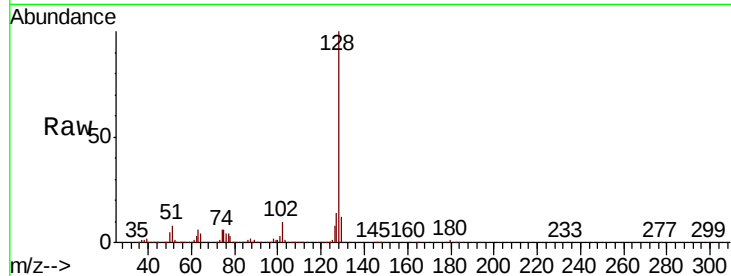
#79
Naphthalene
Concen: 11.849 ppbv
RT: 22.19 min Scan# 6036
Delta R.T. 0.03 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Instrument :
MSVOA_L
ClientSampleId :
VL0608ABS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.4	15.6
129	11.6	9.0	13.6

Manual Integrations
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6/14/2021 11:59:46 AM

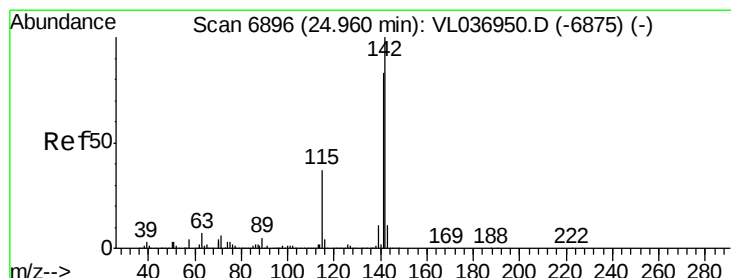
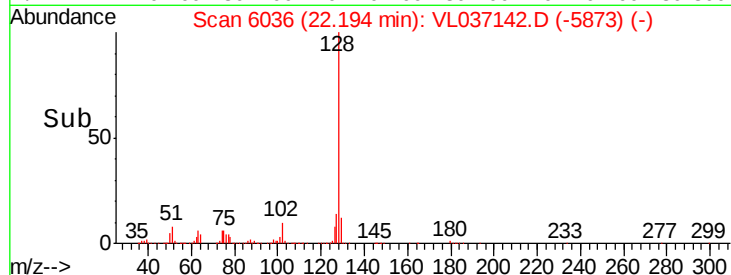
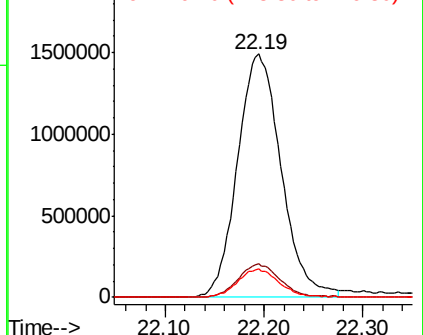


Abundance

Ion 128.10 (127.80 to 128.80): V

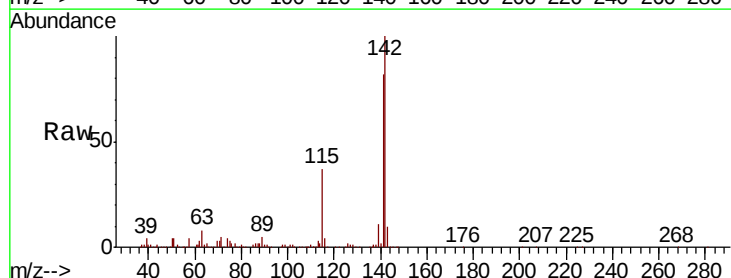
Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80
Naphthalene, 2-methyl-
Concen: 8.894 ppbv
RT: 24.97 min Scan# 6900
Delta R.T. 0.01 min
Lab File: VL037142.D
Acq: 8 Jun 2021 21:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.0	69.3	103.9
115	40.1	29.1	43.7

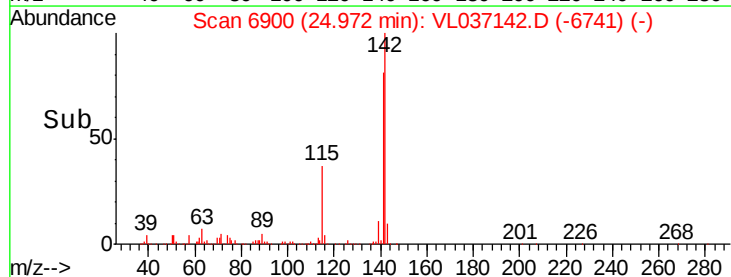
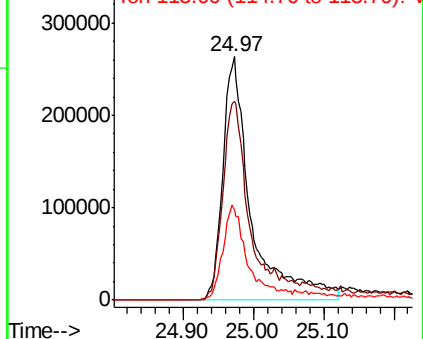


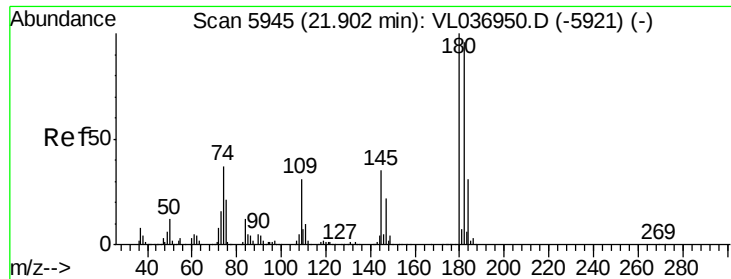
Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





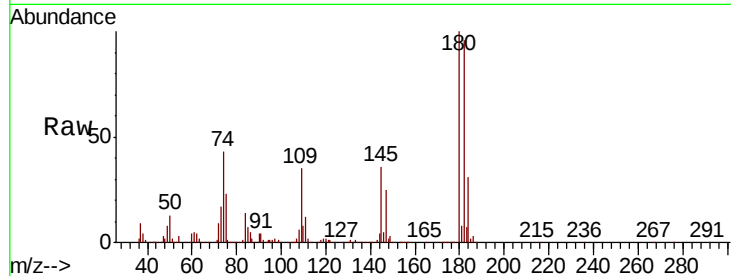
#81
 1,2,4-Trichlorobenzene
 Concen: 11.160 ppbv
 RT: 21.92 min Scan# 5952
 Delta R.T. 0.02 min
 Lab File: VL037142.D
 Acq: 8 Jun 2021 21:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0608ABS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.3	81.7	122.5
184	31.7	24.9	37.3

Manual Integrations
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 6/14/2021 11:59:46 AM



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

