

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120720\
 Data File : VL036064.D
 Acq On : 7 Dec 2020 12:29
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:53:12 AM

Quant Time: Dec 07 13:05:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 04 03:46:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1262596	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.20	114	2946303	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.11	117	2746309m	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2206095	10.51	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1378469	6.272	ppbv	99
3) Chlorodifluoromethane	2.99	51	1391913	9.345	ppbv	93
4) Chloromethane	3.14	50	680125	9.329	ppbv	97
5) Vinyl Chloride	3.26	62	693299	7.489	ppbv	95
6) Bromomethane	3.48	94	379129	5.206	ppbv	94
7) Chloroethane	3.56	64	242938	7.304	ppbv	96
8) Dichlorotetrafluoroethane	3.19	85	1582696	6.107	ppbv	91
9) Propene	3.02	41	652419	12.543	ppbv	100
10) Heptane	8.15	43	1741295	12.268	ppbv #	82
11) Trichlorofluoromethane	3.96	101	1678325	5.634	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1142239	5.097	ppbv	95
13) Ethanol	3.61	45	92301	8.774	ppbv	88
14) Bromoethene	3.75	108	466561	5.137	ppbv #	91
15) Acetone	3.86	43	1310906	9.993	ppbv #	86
16) 1,3-Butadiene	3.33	39	730475	12.671	ppbv #	71
17) tert-Butyl alcohol	4.30	59	1434583	9.978	ppbv	99
18) 1,1-Dichloroethene	4.30	96	510162	5.131	ppbv #	61
19) Isopropyl Alcohol	3.98	45	876660m	12.458	ppbv	
20) Methylene Chloride	4.36	84	469895m	4.141	ppbv	
21) Allyl Chloride	4.42	41	1007832m	14.416	ppbv	
22) trans-1,2-Dichloroethene	4.90	96	511801	5.187	ppbv #	66
23) Vinyl Acetate	5.09	43	1972842	12.736	ppbv #	93
24) 1,1-Dichloroethane	5.02	63	1334216	7.540	ppbv	96
25) Ethyl Acetate	5.69	43	2941726	11.151	ppbv #	93
26) Hexane	5.70	57	1196140	8.540	ppbv #	69
27) Carbon Disulfide	4.56	76	1386264	6.795	ppbv #	85
28) Methyl tert-Butyl Ether	5.05	73	1865907	8.937	ppbv #	91
29) Chloroform	5.77	83	1735882	6.558	ppbv	100
30) Cyclohexane	7.15	84	934431	7.066	ppbv #	50
31) cis-1,2-Dichloroethene	5.56	61	1213855	9.468	ppbv #	76
32) 1,1,1-Trichloroethane	6.53	97	1742689	7.182	ppbv #	93
34) 2-Butanone	5.26	43	1748151	17.310	ppbv #	82
35) Carbon Tetrachloride	7.04	117	1735930	11.269	ppbv	99
36) Benzene	6.91	78	2365655	11.739	ppbv #	93
37) 1,2-Dichloroethane	6.33	62	1404668	13.437	ppbv #	94
38) Trichloroethene	7.86	130	826209	9.164	ppbv	93
39) 1,2-Dichloropropane	7.64	63	966300	12.516	ppbv #	85
40) 1,4-Dioxane	7.85	88	288942	11.223	ppbv #	1
41) Tetrahydrofuran	6.07	42	1081640	20.516	ppbv #	75
42) Bromodichloromethane	7.81	83	1927715	11.659	ppbv #	95
43) Methyl Methacrylate	8.03	69	1060798	14.451	ppbv #	56

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Manual Integrations
 APPROVED

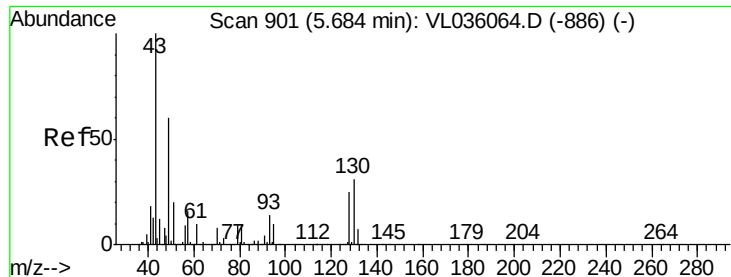
MMDadoda
 12/10/2020 9:53:12 AM

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.89	57	4219603	14.126	ppbv #	92
45) t-1,3-Dichloropropene	9.30	75	1171533	16.884	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1384159	14.882	ppbv #	70
47) 1,1,2-Trichloroethane	9.50	97	898617	9.286	ppbv	99
48) Dibromochloromethane	10.33	129	1512120	11.103	ppbv	99
49) Bromoform	13.07	173	1238491	12.258	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2806581	18.284	ppbv #	86
51) 2-Hexanone	10.16	43	2168322	19.522	ppbv #	88
52) Tetrachloroethene	11.25	164	784703	10.044	ppbv	98
53) Toluene	9.83	91	2676577	12.199	ppbv	98
54) 1,2-Dibromoethane	10.64	107	1354778	9.869	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	1130169	10.076	ppbv	97
57) Chlorobenzene	12.18	112	1830511	9.035	ppbv #	87
58) Ethyl Benzene	12.74	91	3543095	13.043	ppbv	90
59) m/p-Xylene	13.02	91	5959943m	24.064	ppbv	
60) o-Xylene	13.72	91	2765861	11.067	ppbv	93
61) Styrene	13.56	104	1897473	13.404	ppbv #	92
62) Isopropylbenzene	14.70	105	4086871	11.016	ppbv	94
63) 1,1,2,2-Tetrachloroethane	13.71	83	1797375	8.580	ppbv	98
64) n-propylbenzene	15.59	120	1016218	10.405	ppbv	70
65) tert-Butylbenzene	16.78	119	3334607	10.722	ppbv	92
66) Benzyl Chloride	17.02	91	1105002	14.751	ppbv	98
67) sec-Butylbenzene	17.32	105	4642657	10.929	ppbv	96
69) p-Isopropyltoluene	17.68	119	3768655	11.750	ppbv	94
70) n-Butylbenzene	18.58	91	3744597	11.791	ppbv	96
71) 2-Chlorotoluene	15.48	91	3108324	12.180	ppbv	93
72) 4-Ethyltoluene	15.87	105	3054334	11.870	ppbv	96
73) 1,3,5-Trimethylbenzene	16.03	105	2881848	11.952	ppbv	92
74) 1,2,4-Trimethylbenzene	16.79	105	2864744	10.649	ppbv	90
75) 1,3-Dichlorobenzene	17.02	146	1468632	9.031	ppbv	96
76) 1,4-Dichlorobenzene	17.17	146	1474482	9.593	ppbv	97
77) 1,2-Dichlorobenzene	17.85	146	1368067	9.171	ppbv	96
78) Hexachloro-1,3-Butadiene	23.41	225	1076563	13.128	ppbv	99
79) Naphthalene	22.23	128	1800752m	14.353	ppbv	
80) Naphthalene, 2-methyl-	25.00	142	737729	29.020	ppbv #	92
81) 1,2,4-Trichlorobenzene	21.96	180	1118448m	12.976	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.03 min

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VSTDICCC010

Tot Ion: 49 Resp: 1262596

Ion Ratio Lower Upper

49 100

128 42.1 38.3 114.8

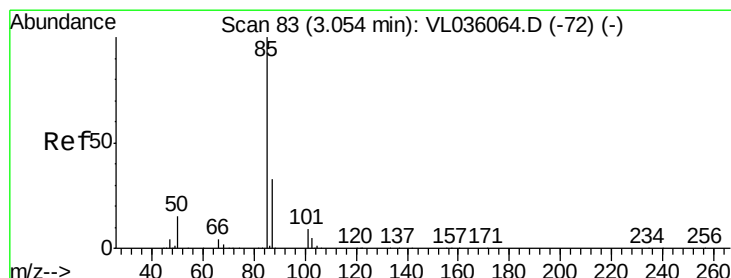
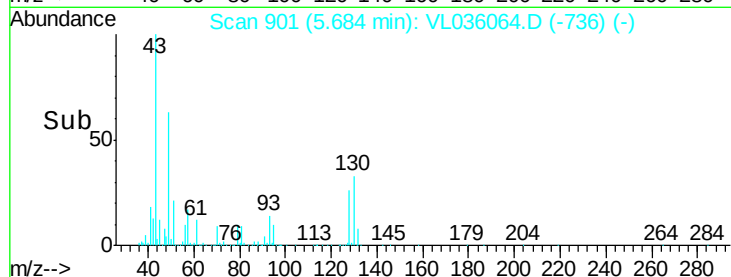
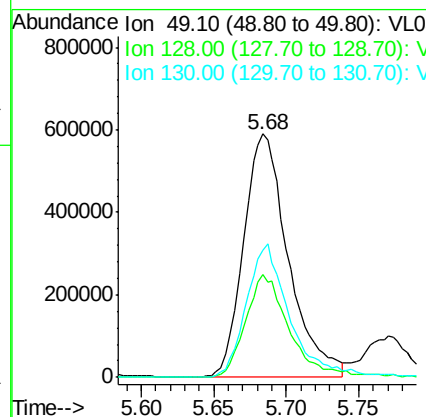
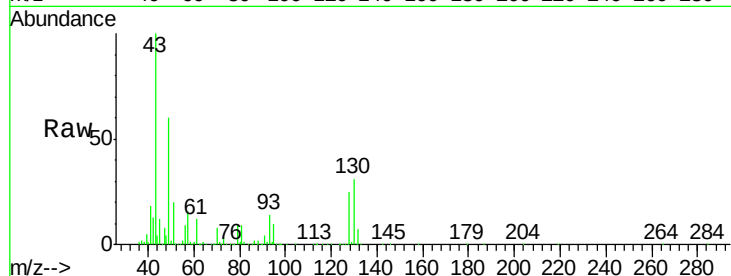
130 54.2 49.1 147.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 6.272 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.02 min

Lab File: VL036064.D

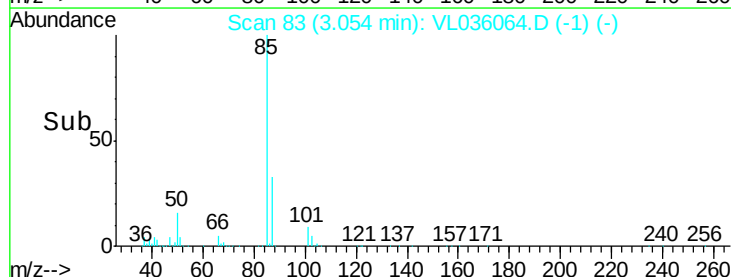
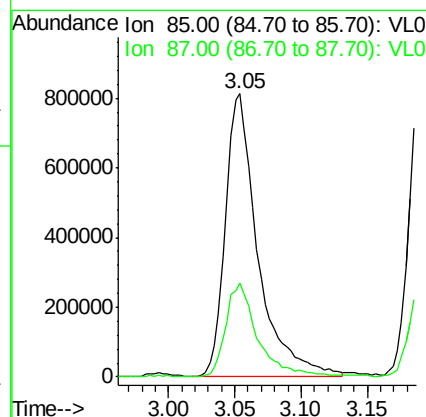
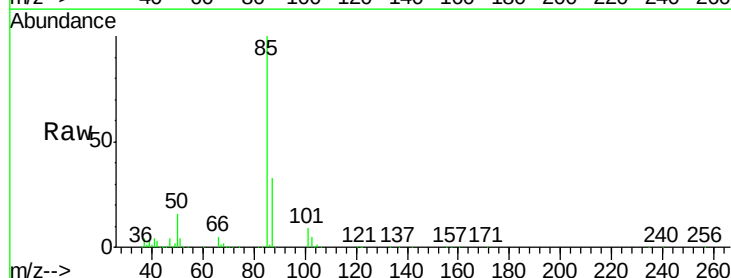
Acq: 7 Dec 2020 12:29

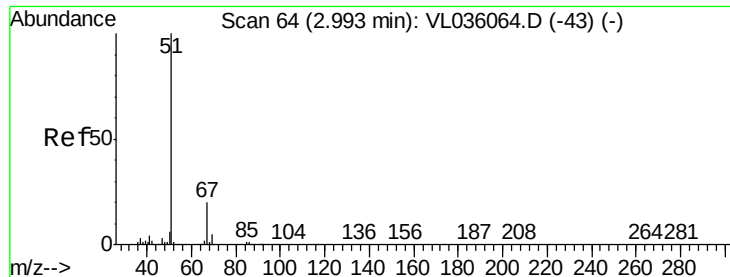
Tgt Ion: 85 Resp: 1378469

Ion Ratio Lower Upper

85 100

87 33.1 26.8 40.2





#3

Chlorodifluoromethane

Concen: 9.345 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.02 min

Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

Tot Ion: 51 Resp: 1391913

Ion Ratio Lower Upper

51 100

67 17.9 16.9 25.3

Instrument :

MSVOA_L

ClientSampleId :

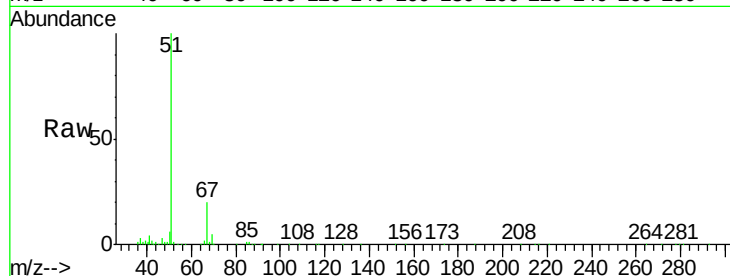
VSTDICCC010

Manual Integrations

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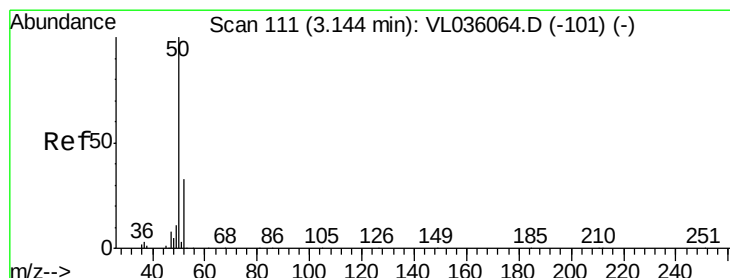
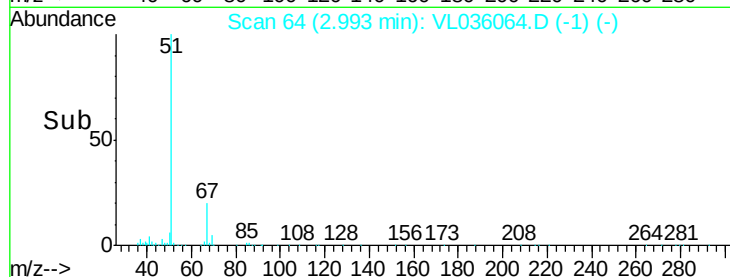
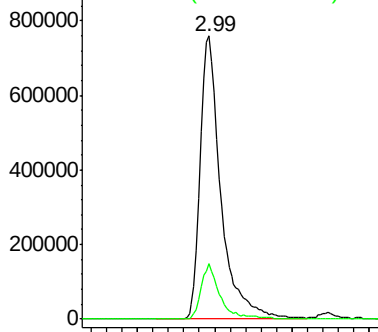
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.329 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.02 min

Lab File: VL036064.D

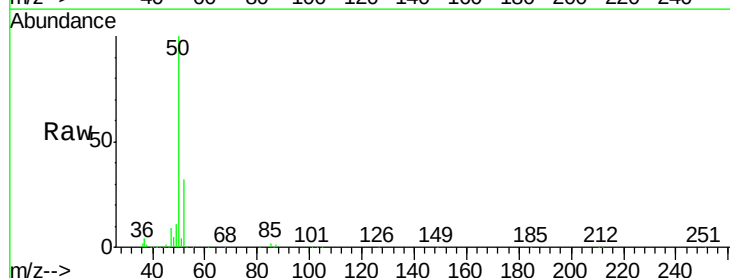
Acq: 7 Dec 2020 12:29

Tgt Ion: 50 Resp: 680125

Ion Ratio Lower Upper

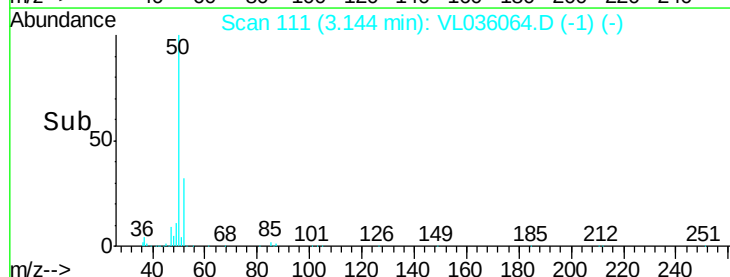
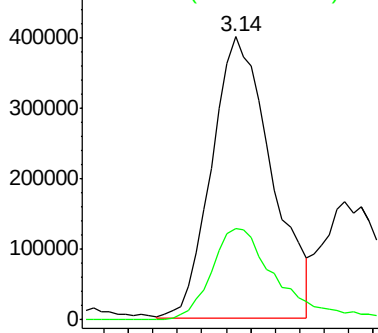
50 100

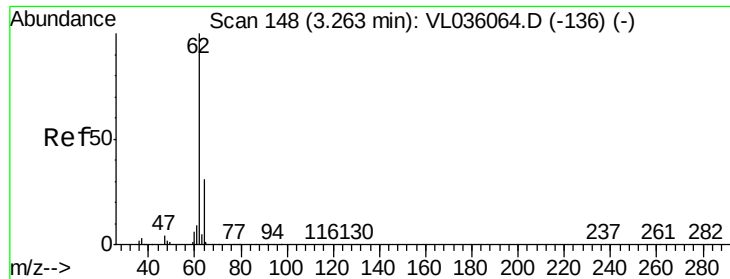
52 32.6 27.6 41.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 7.489 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.02 min

Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 693299

Ion Ratio Lower Upper

62 100

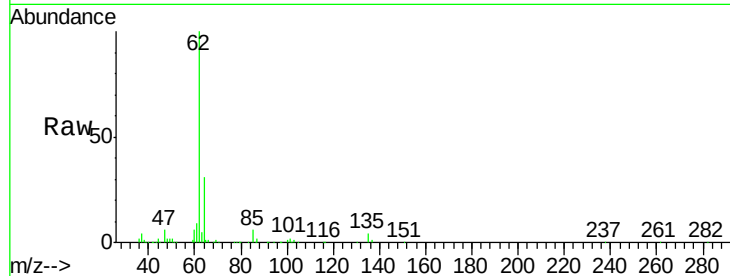
64 30.6 26.8 40.2

Manual Integrations

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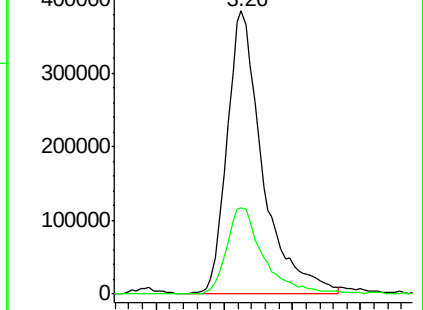
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12/10/2020 9:53:12 AM

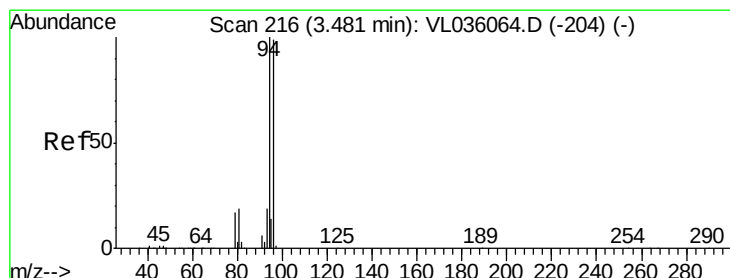
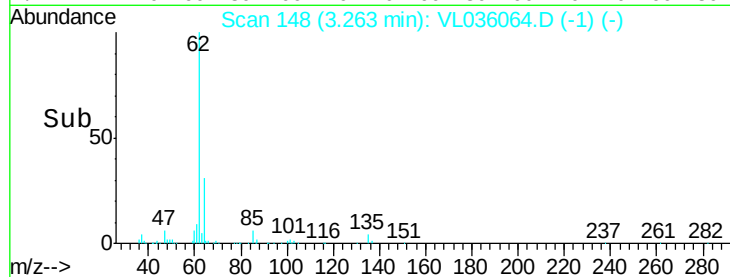


Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



Time-->



#6

Bromomethane

Concen: 5.206 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.03 min

Lab File: VL036064.D

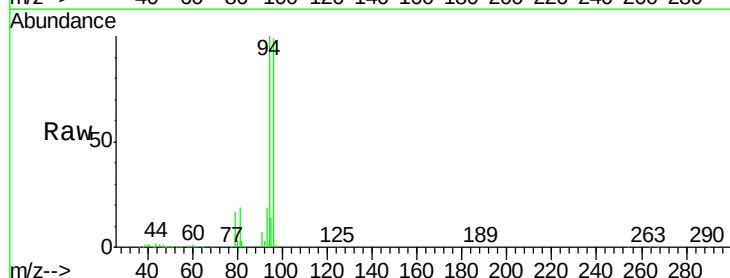
Acq: 7 Dec 2020 12:29

Tgt Ion: 94 Resp: 379129

Ion Ratio Lower Upper

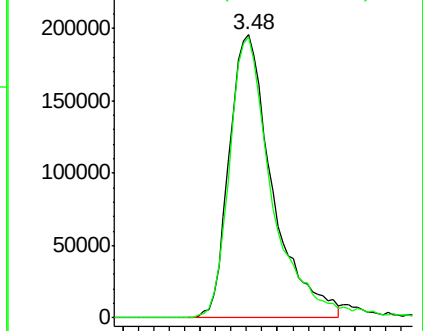
94 100

96 99.2 74.8 112.2

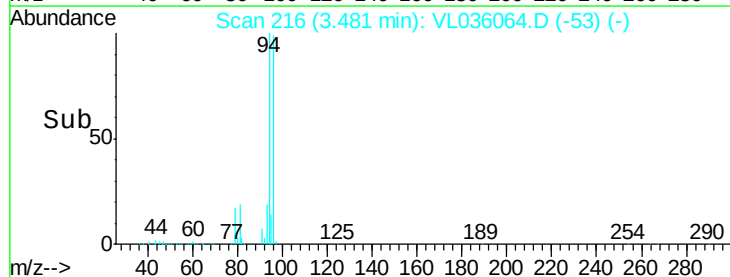


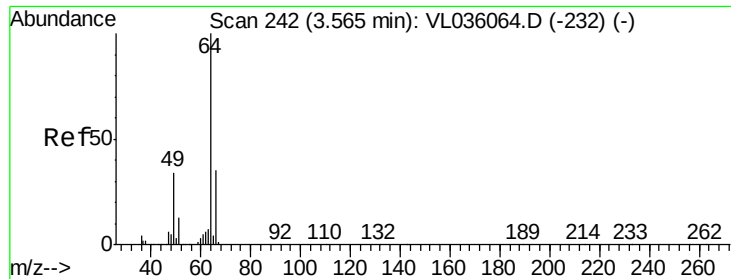
Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0



Time-->





#7

Chloroethane

Concen: 7.304 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.03 min

Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 242938

Ion Ratio Lower Upper

64 100

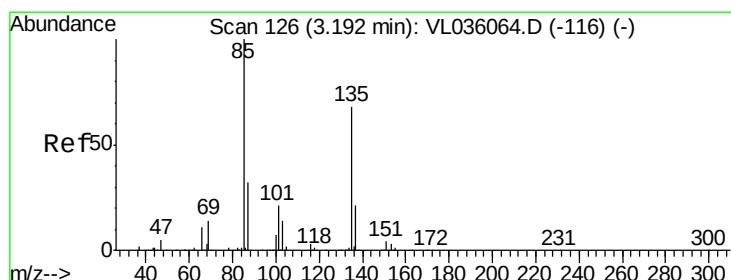
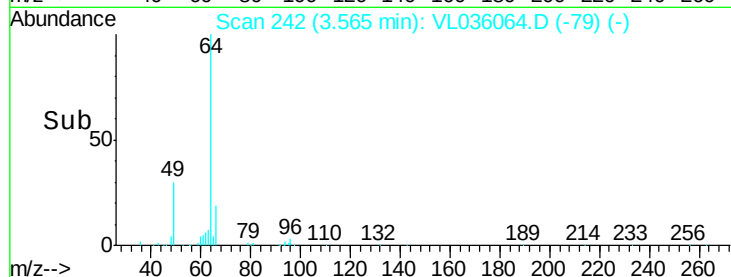
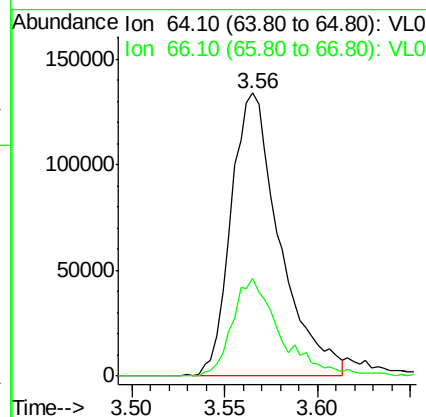
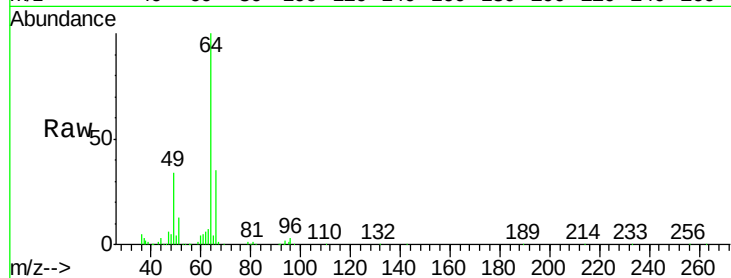
66 34.6 26.1 39.1

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#8

Dichlorotetrafluoroethane

Concen: 6.107 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.02 min

Lab File: VL036064.D

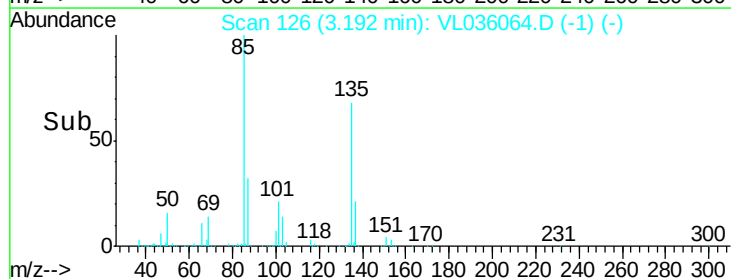
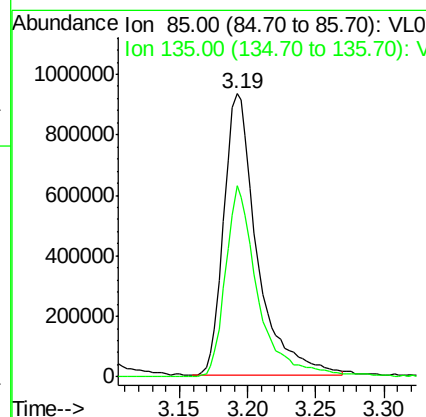
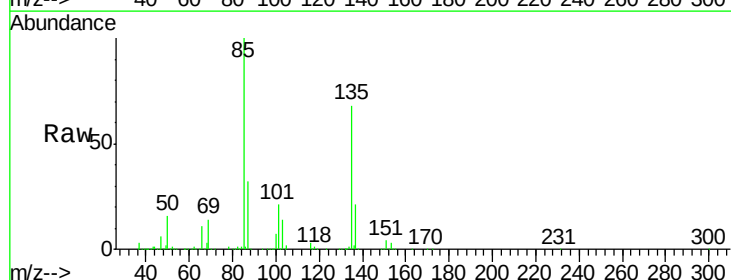
Acq: 7 Dec 2020 12:29

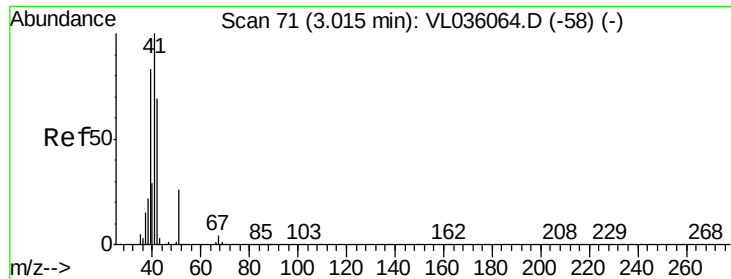
Tgt Ion: 85 Resp: 1582696

Ion Ratio Lower Upper

85 100

135 67.3 60.2 90.2





#9

Propene

Concen: 12.543 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.02 min

Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 41 Resp: 652419

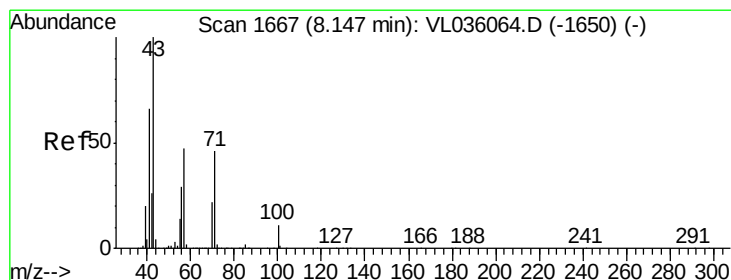
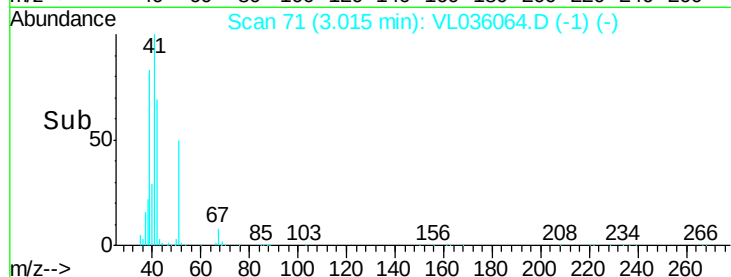
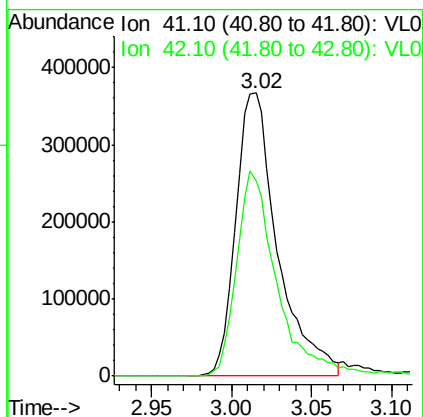
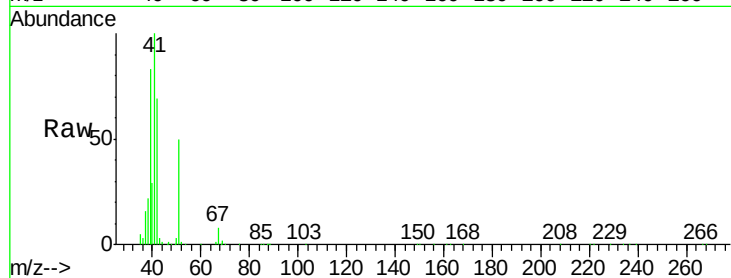
Ion Ratio Lower Upper

41 100

42 71.3 56.9 85.3

Manual Integrations
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#10

Heptane

Concen: 12.268 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. 0.04 min

Lab File: VL036064.D

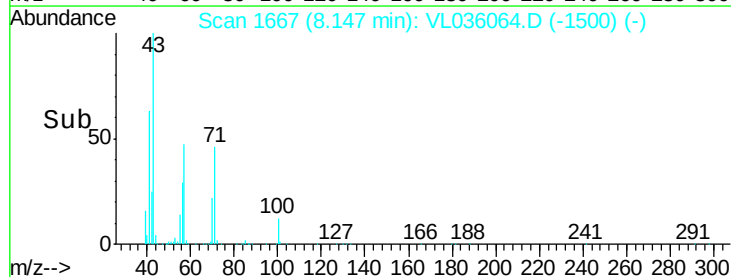
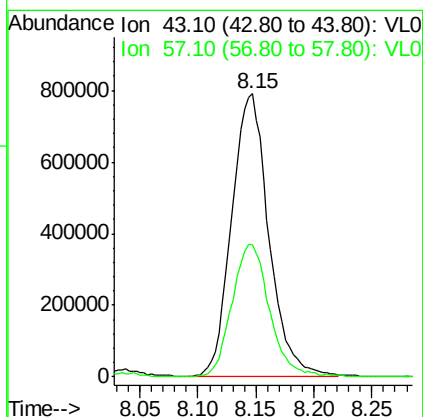
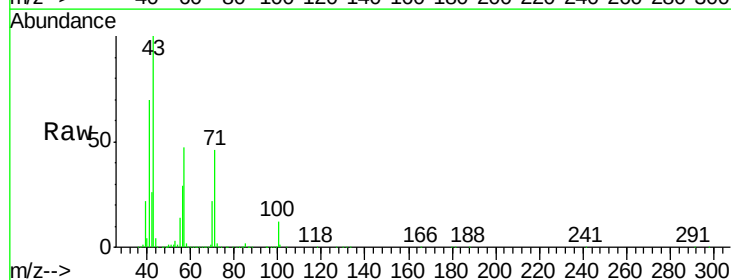
Acq: 7 Dec 2020 12:29

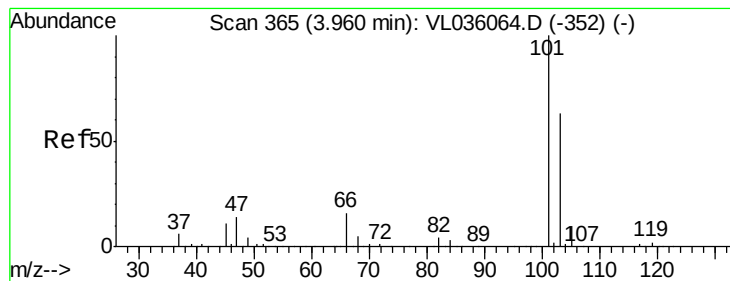
Tgt Ion: 43 Resp: 1741295

Ion Ratio Lower Upper

43 100

57 47.4 49.2 73.8#





#11

Trichlorofluoromethane

Concen: 5.634 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.03 min

Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:101 Resp: 1678325

Ion Ratio Lower Upper

101 100

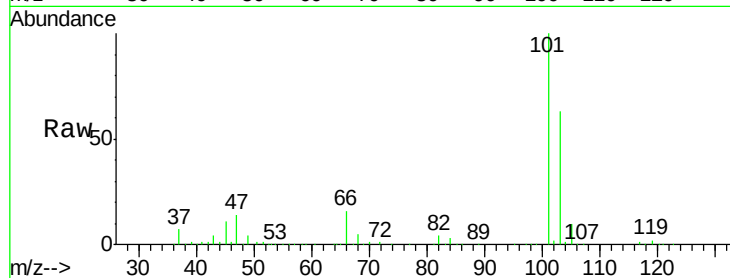
103 62.9 53.2 79.8

Manual Integrations

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12/10/2020 9:53:12 AM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.96

800000

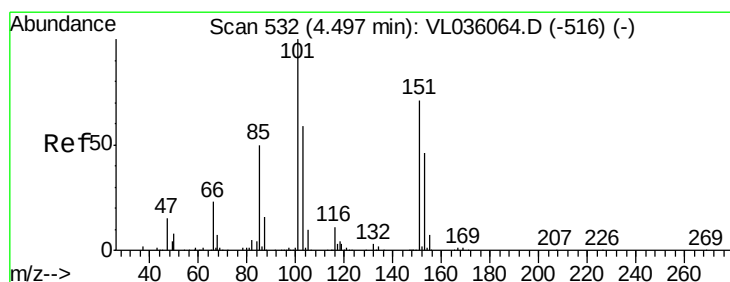
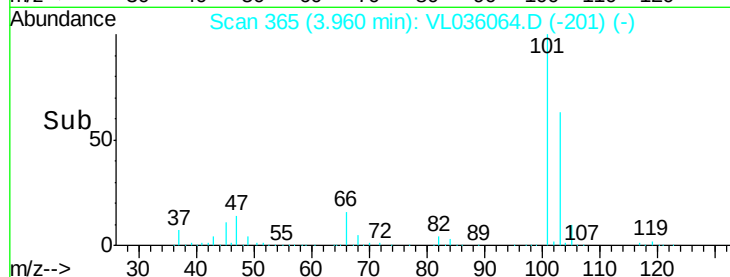
600000

400000

200000

0

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 5.097 ppbv

RT: 4.50 min Scan# 532

Delta R.T. 0.03 min

Lab File: VL036064.D

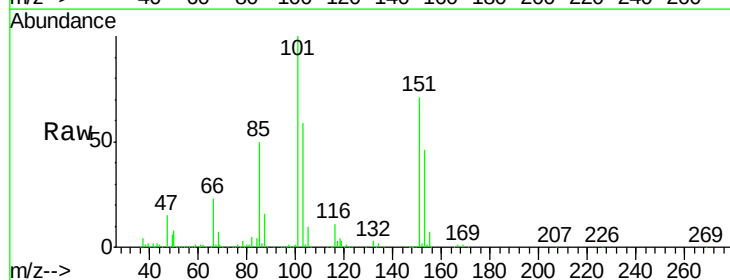
Acq: 7 Dec 2020 12:29

Tgt Ion:101 Resp: 1142239

Ion Ratio Lower Upper

101 100

151 74.1 56.1 84.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.50

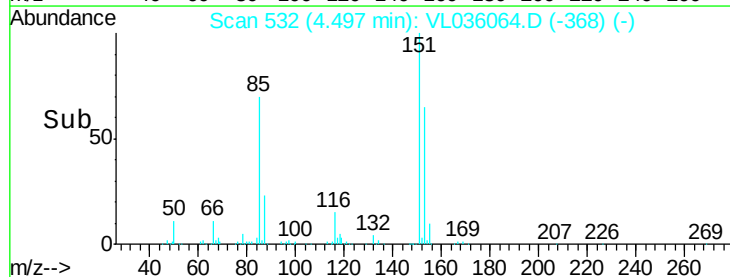
600000

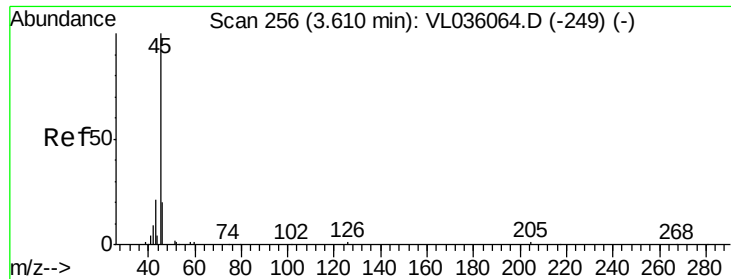
400000

200000

0

Time-->





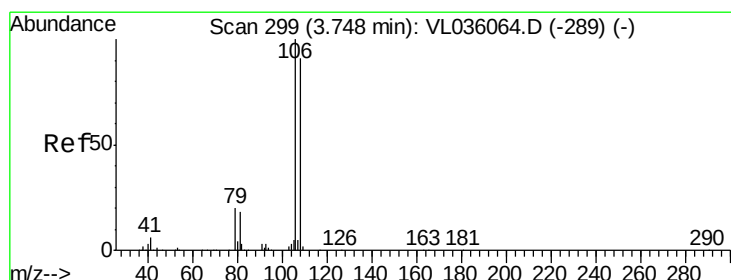
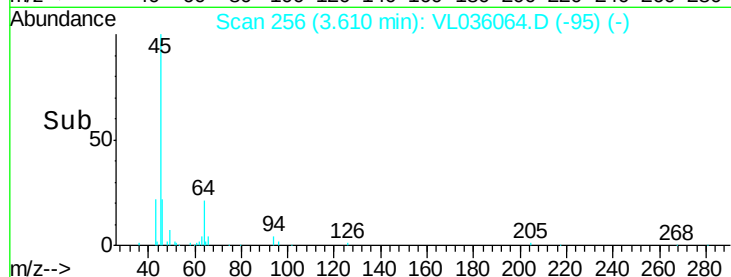
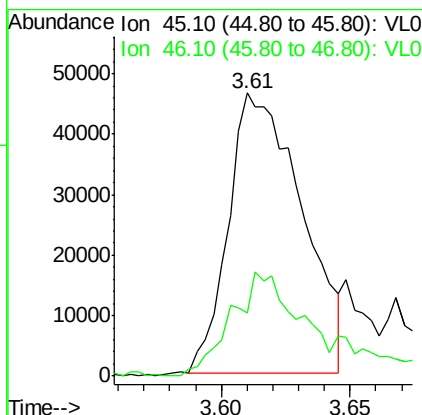
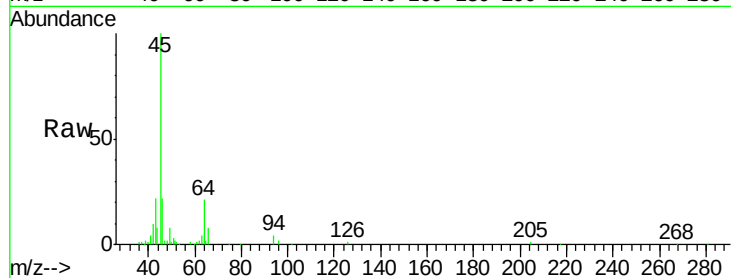
#13
Ethanol
Concen: 8.774 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.02 min
Lab File: VL036064.D
Acq: 7 Dec 2020 12:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	47.4	16.0	64.2

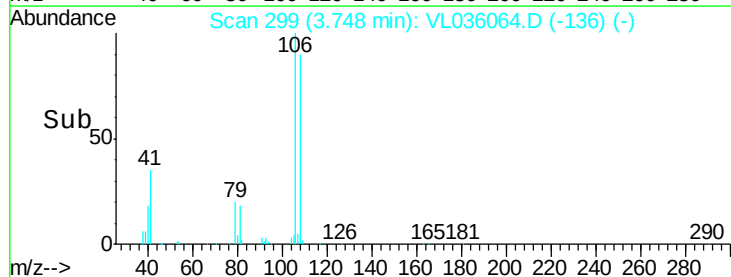
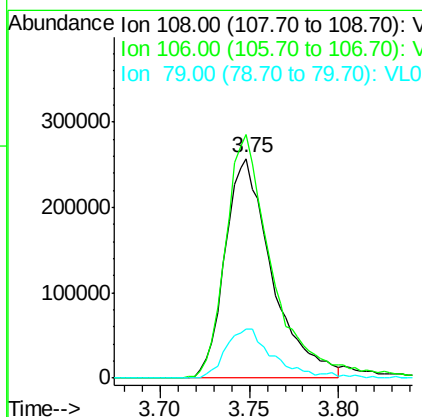
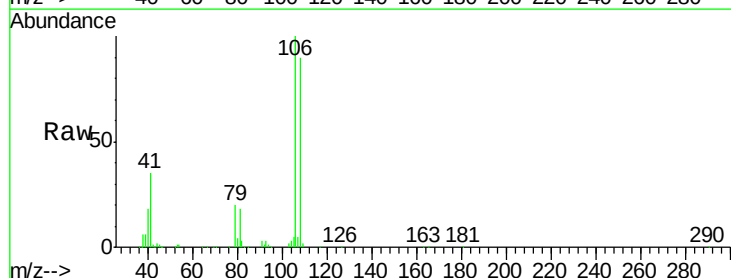
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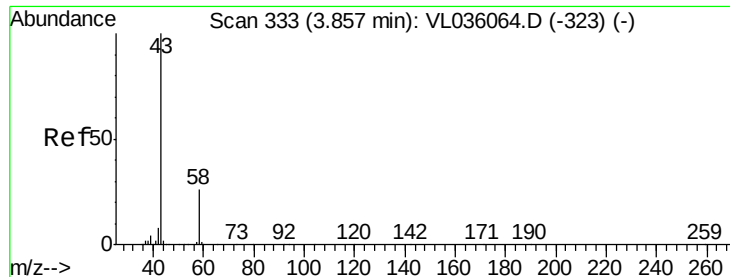
MMDadoda
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#14
Bromoethene
Concen: 5.137 ppbv
RT: 3.75 min Scan# 299
Delta R.T. 0.03 min
Lab File: VL036064.D
Acq: 7 Dec 2020 12:29

Tgt Ion	Ratio	Lower	Upper
108	100		
106	113.7	85.0	127.4
79	24.1	11.9	17.9#





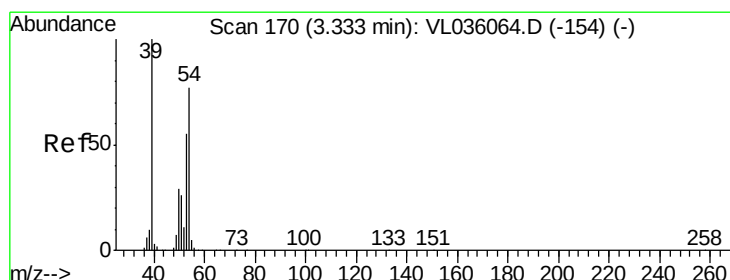
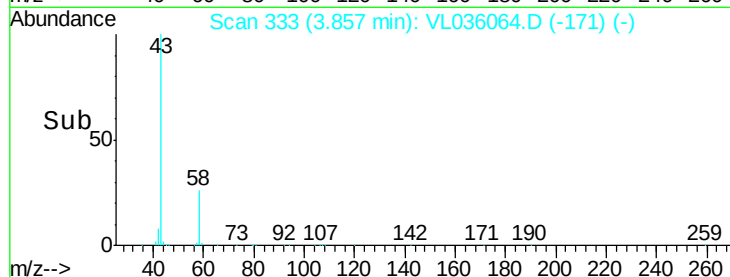
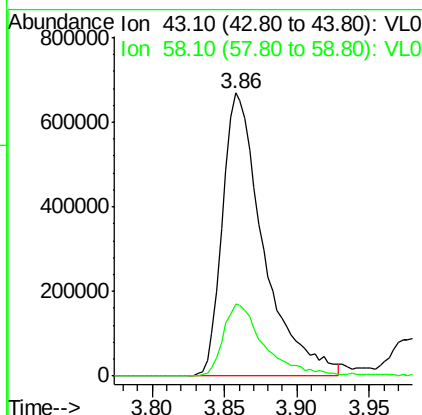
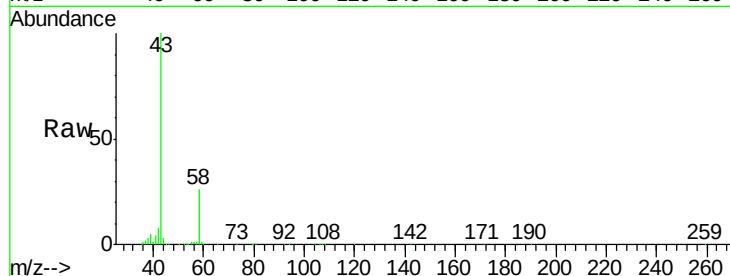
#15
Acetone
Concen: 9.993 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.02 min
Lab File: VL036064.D
Acq: 7 Dec 2020 12:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 1310906
Ion Ratio Lower Upper
43 100
58 26.1 27.0 40.6#

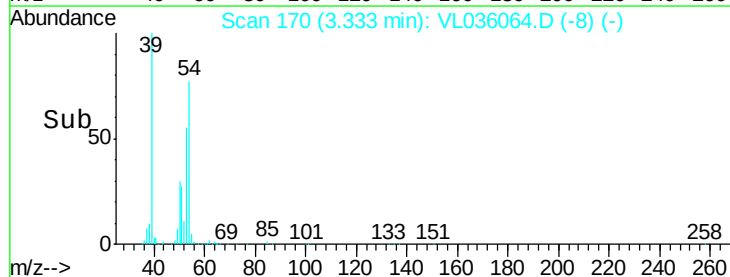
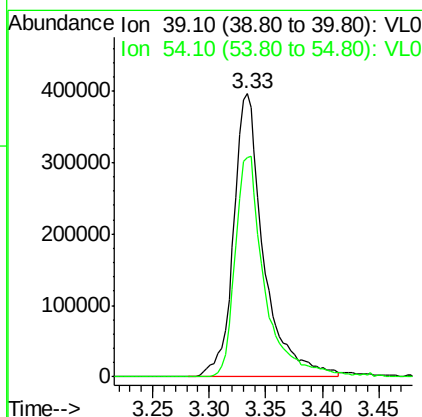
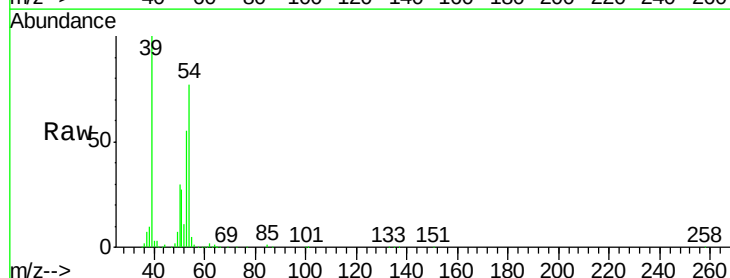
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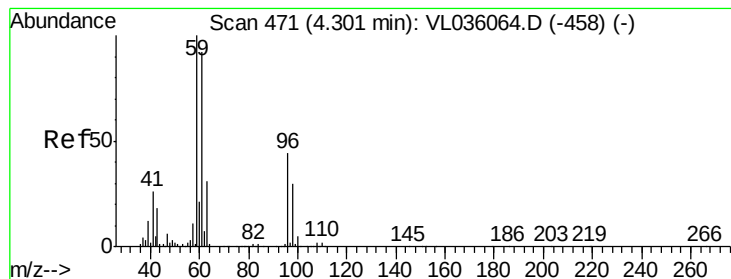
MMDadoda
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#16
1,3-Butadiene
Concen: 12.671 ppbv
RT: 3.33 min Scan# 170
Delta R.T. 0.02 min
Lab File: VL036064.D
Acq: 7 Dec 2020 12:29

Tgt Ion: 39 Resp: 730475
Ion Ratio Lower Upper
39 100
54 77.6 86.1 129.1#





#17

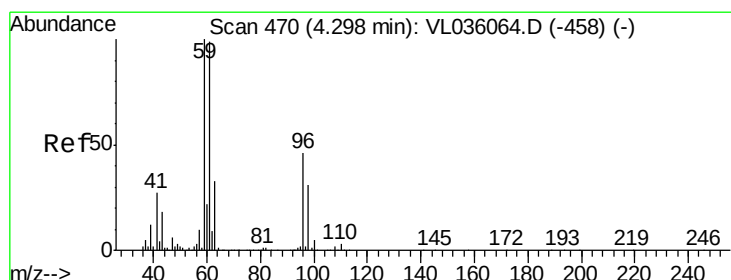
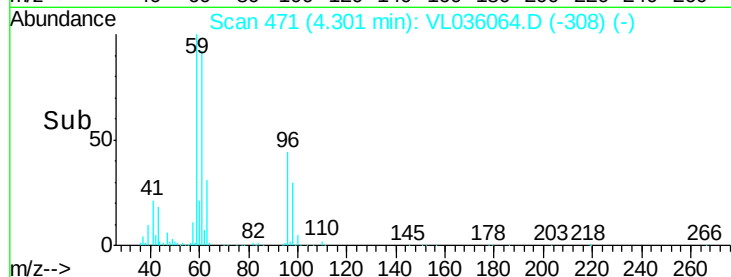
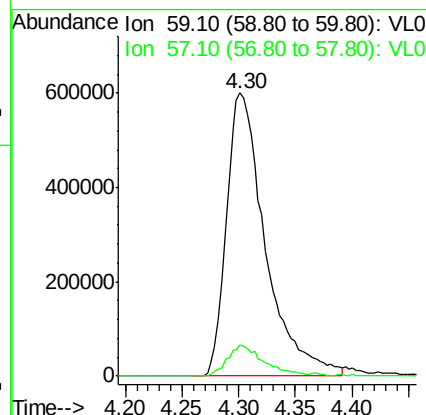
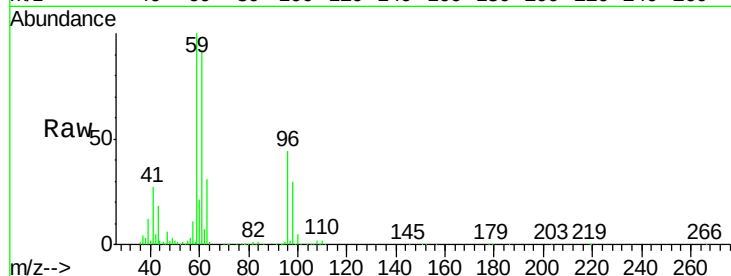
tert-Butyl alcohol
Concen: 9.978 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.03 min
Lab File: VL036064.D
Acq: 7 Dec 2020 12:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 59 Resp: 1434583
Ion Ratio Lower Upper
59 100
57 10.9 8.4 12.6

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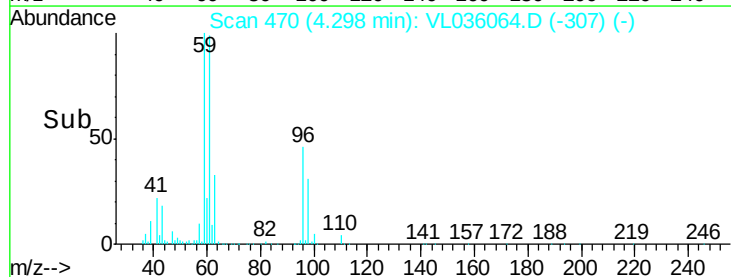
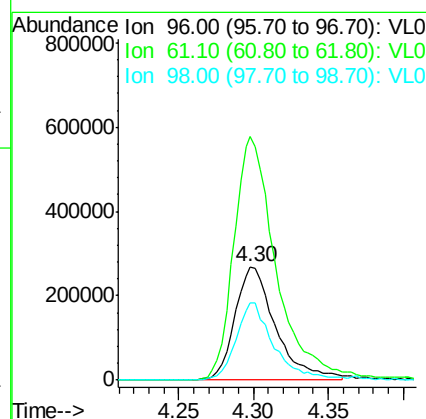
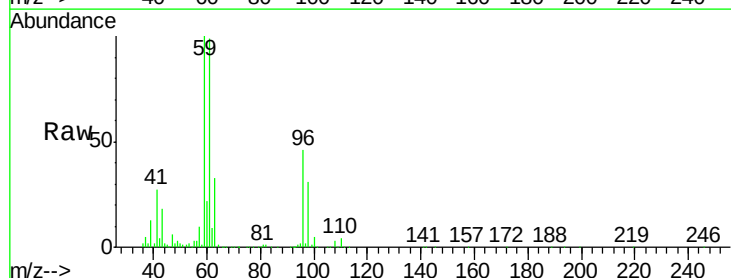
MMDadoda
12/10/2020 9:53:12 AM

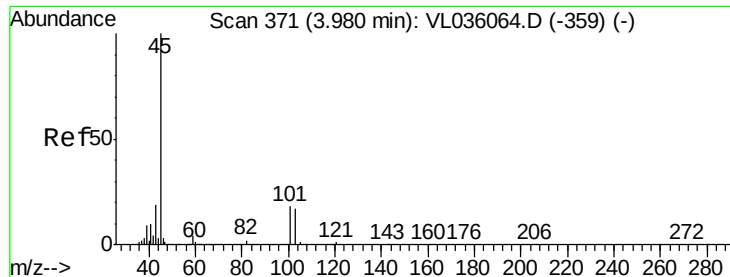


#18

1,1-Dichloroethene
Concen: 5.131 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.03 min
Lab File: VL036064.D
Acq: 7 Dec 2020 12:29

Tgt Ion: 96 Resp: 510162
Ion Ratio Lower Upper
96 100
61 214.3 115.8 173.6#
98 67.7 53.1 79.7





#19

Isopropyl Alcohol

Concen: 12.458 ppbv m

RT: 3.98 min Scan# 371

Delta R.T. 0.03 min

Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 45 Resp: 876660

Ion Ratio Lower Upper

45 100

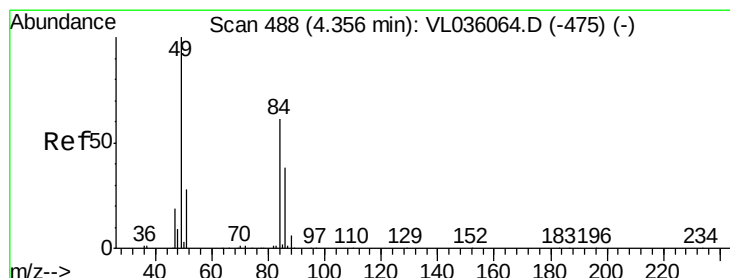
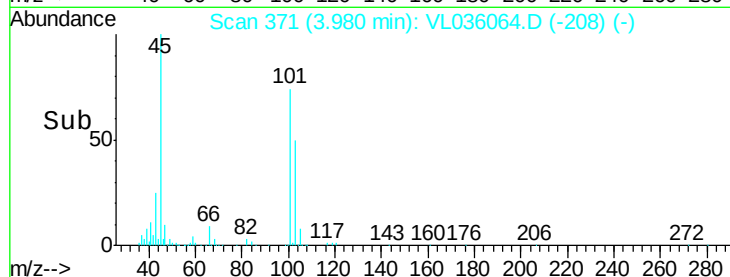
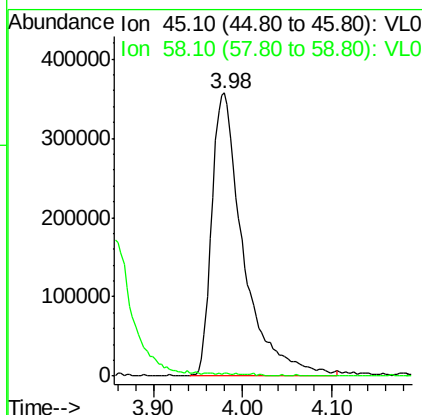
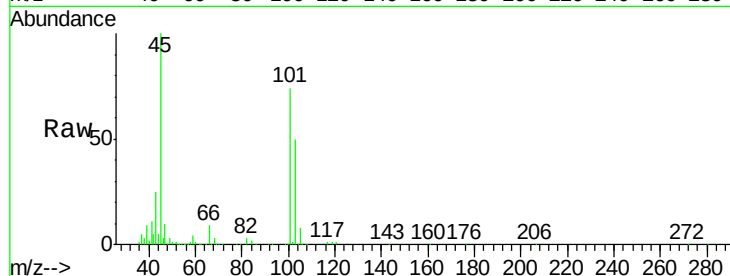
58 0.0 3.4 5.0#

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#20

Methylene Chloride

Concen: 4.141 ppbv m

RT: 4.36 min Scan# 488

Delta R.T. 0.03 min

Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

Tgt Ion: 84 Resp: 469895

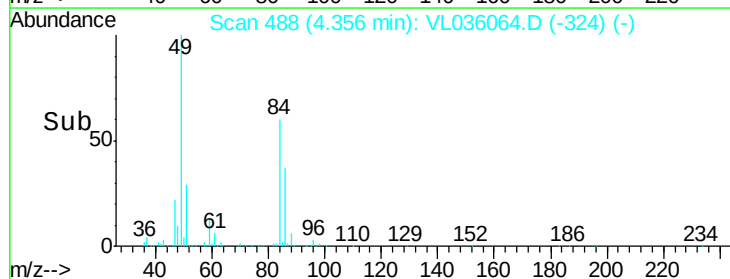
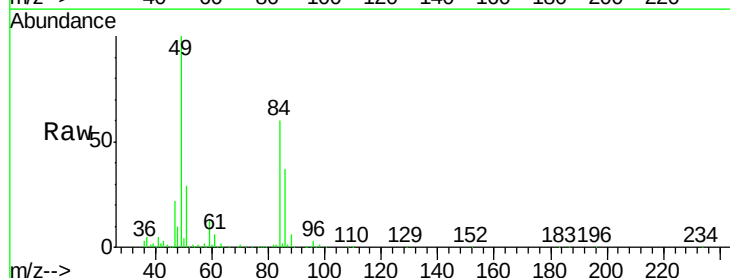
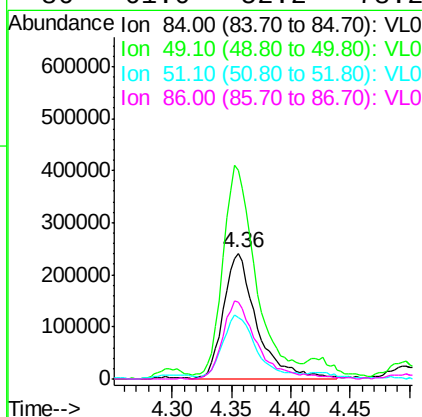
Ion Ratio Lower Upper

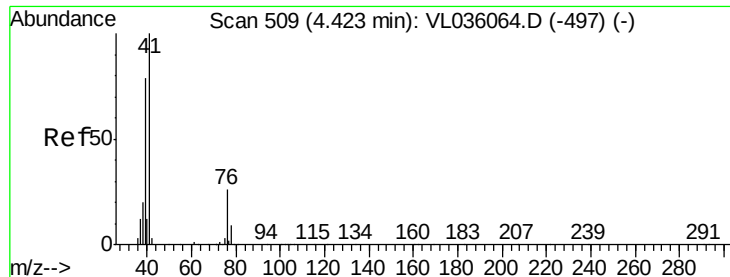
84 100

49 166.2 74.4 111.6#

51 48.6 22.5 33.7#

86 61.0 52.2 78.2





#21

Allvl Chloride

Concen: 14.416 ppbv m

RT: 4.42 min Scan# 509

Delta R.T. 0.03 min

Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 41 Resp: 1007832

Ion Ratio Lower Upper

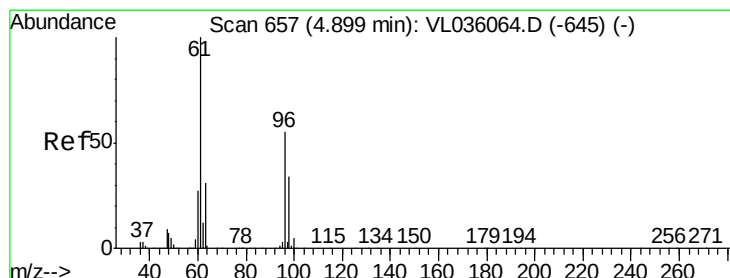
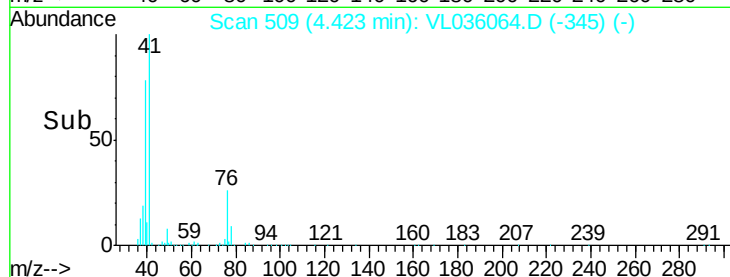
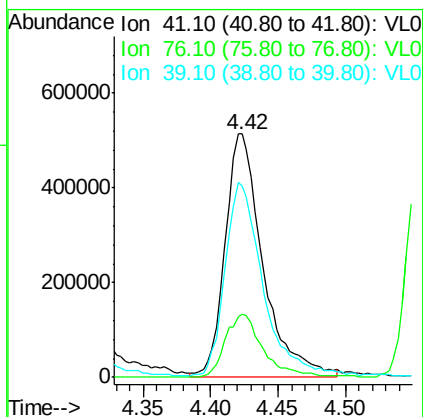
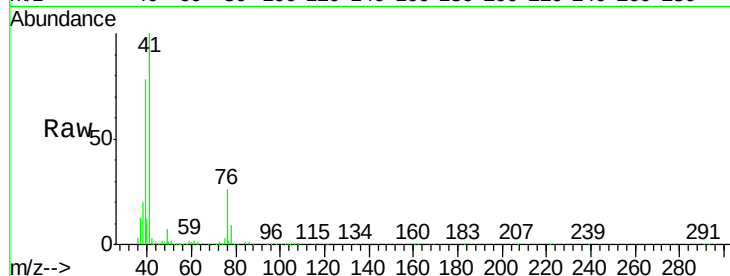
41 100

76 26.2 42.4 63.6#

39 82.5 69.0 103.6

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#22

trans-1,2-Dichloroethene

Concen: 5.187 ppbv

RT: 4.90 min Scan# 657

Delta R.T. 0.03 min

Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

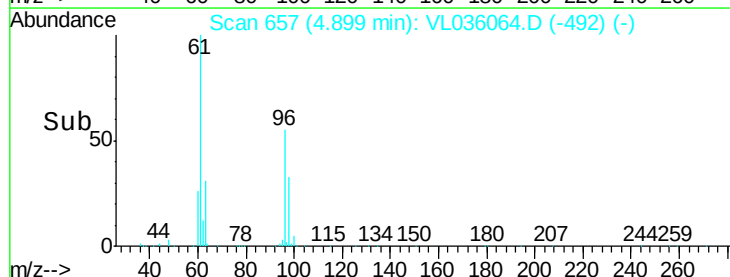
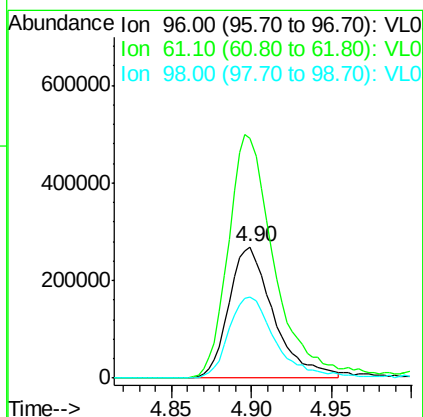
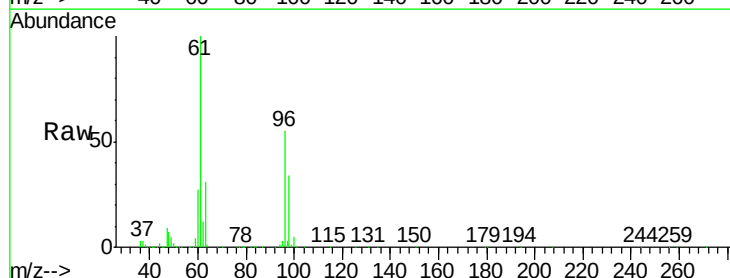
Tgt Ion: 96 Resp: 511801

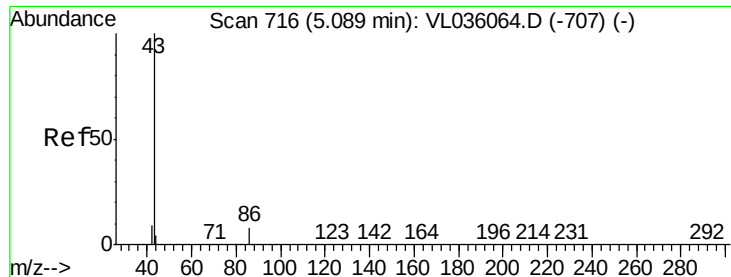
Ion Ratio Lower Upper

96 100

61 182.1 99.8 149.6#

98 61.5 51.1 76.7





#23

Vinyl Acetate

Concen: 12.736 ppbv

RT: 5.09 min Scan# 716

Delta R.T. 0.03 min

Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 1972842

Ion Ratio Lower Upper

43 100

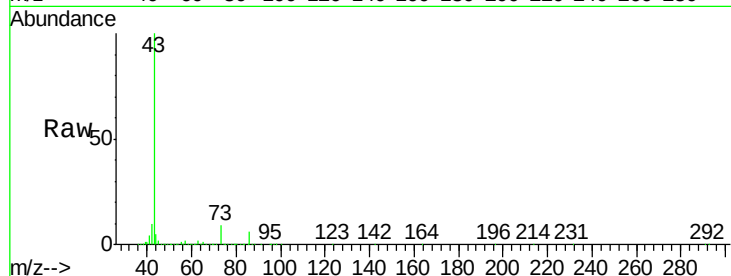
86 6.2 9.3 13.9#

42 9.7 8.1 12.1

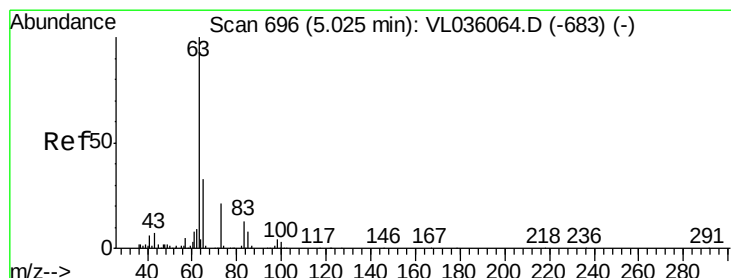
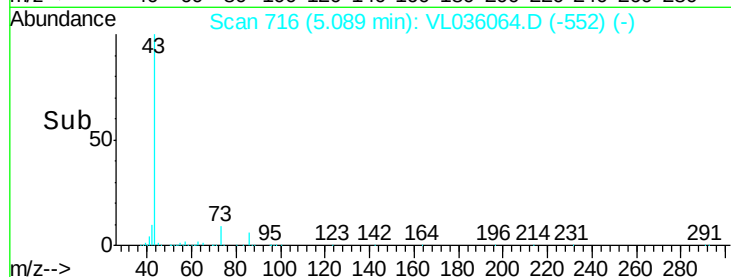
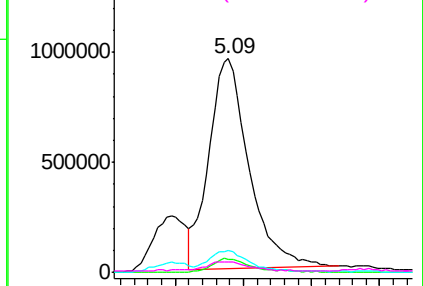
44 4.0 4.7 7.1#

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



#24

1,1-Dichloroethane

Concen: 7.540 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.03 min

Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

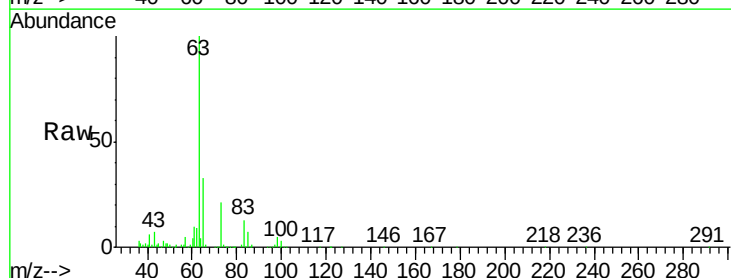
Tgt Ion: 63 Resp: 1334216

Ion Ratio Lower Upper

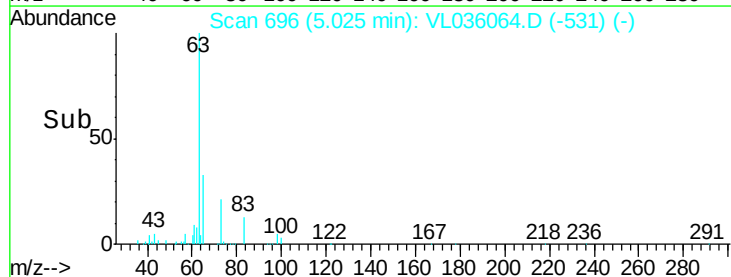
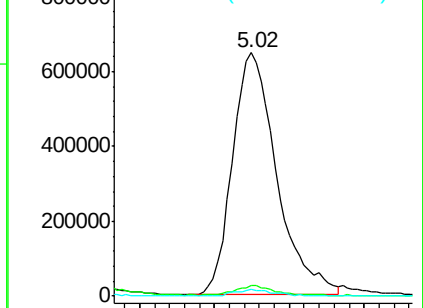
63 100

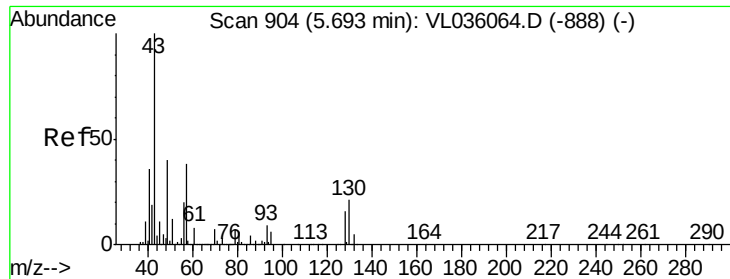
98 4.4 3.1 9.3

100 2.9 1.9 5.7



Abundance Ion 63.10 (62.80 to 63.80): VL0
800000 Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 11.151 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.03 min

Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 2941726

Ion Ratio Lower Upper

43 100

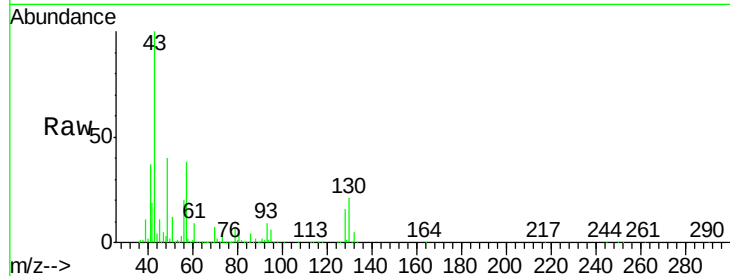
45 10.3 8.6 13.0

61 9.3 10.6 16.0#

70 6.7 8.1 12.1#

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12/10/2020 9:53:12 AM

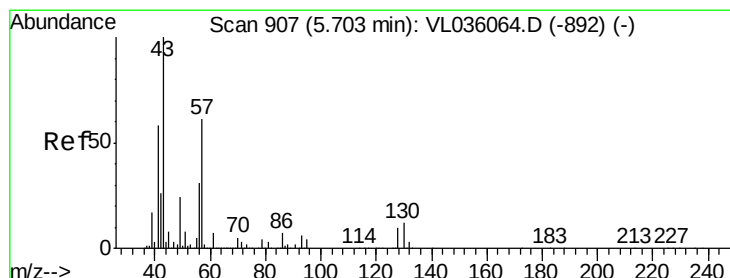
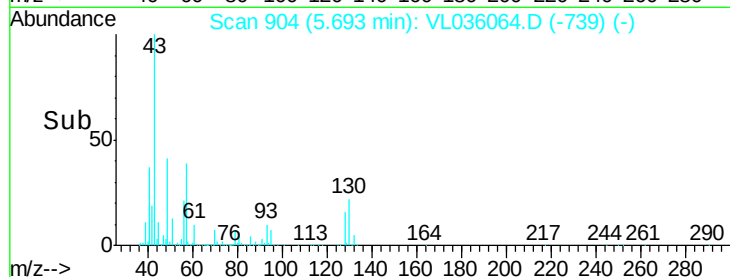
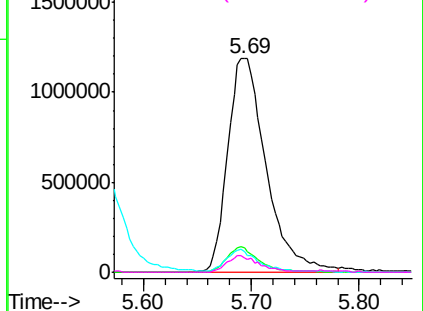


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 8.540 ppbv

RT: 5.70 min Scan# 907

Delta R.T. 0.03 min

Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

Tgt Ion: 57 Resp: 1196140

Ion Ratio Lower Upper

57 100

41 103.6 61.6 92.4#

43 249.9 152.9 229.3#

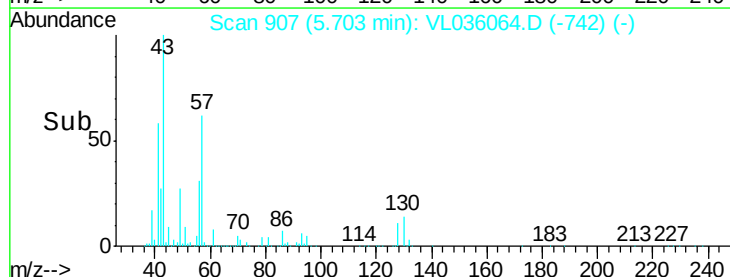
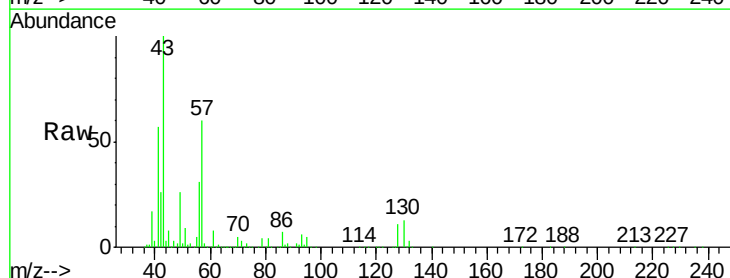
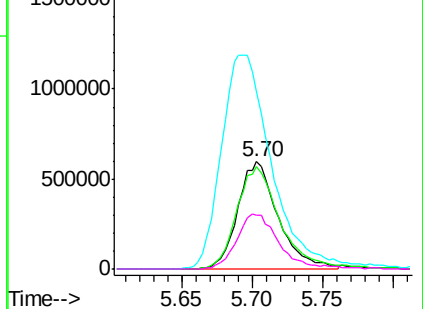
56 53.9 43.0 64.6

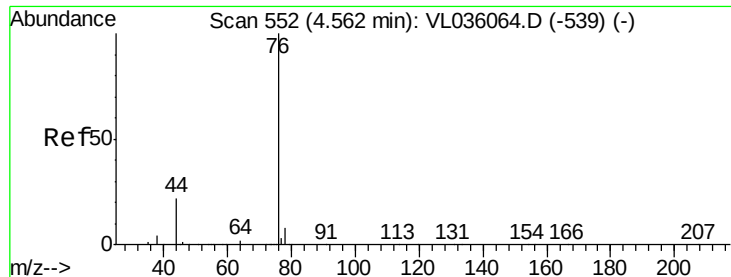
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 6.795 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.03 min

Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 76 Resp: 1386264

Ion Ratio Lower Upper

76 100

44 22.4 9.6 14.4#

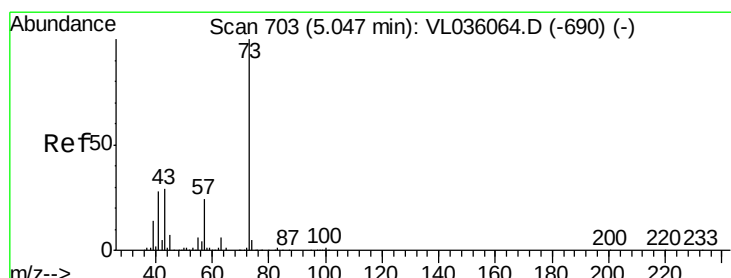
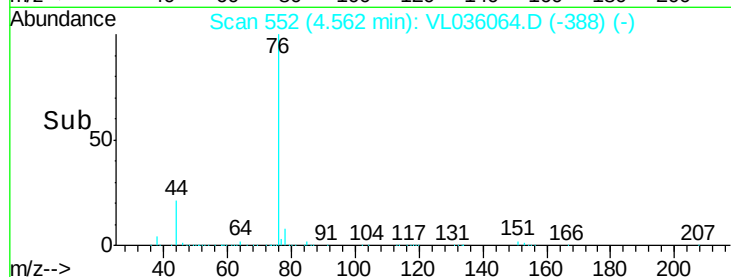
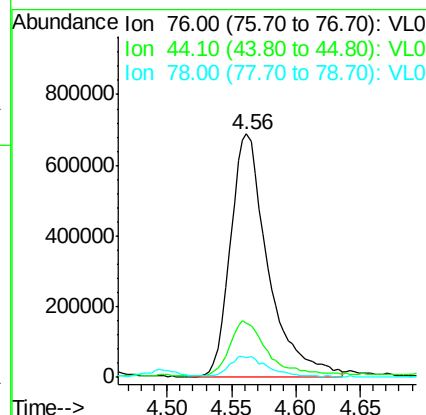
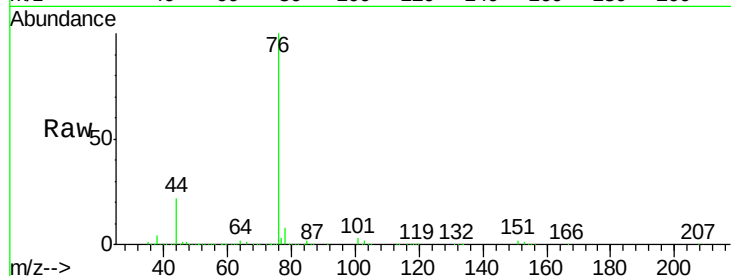
78 9.8 7.7 11.5

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#28

Methyl tert-Butyl Ether

Concen: 8.937 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.03 min

Lab File: VL036064.D

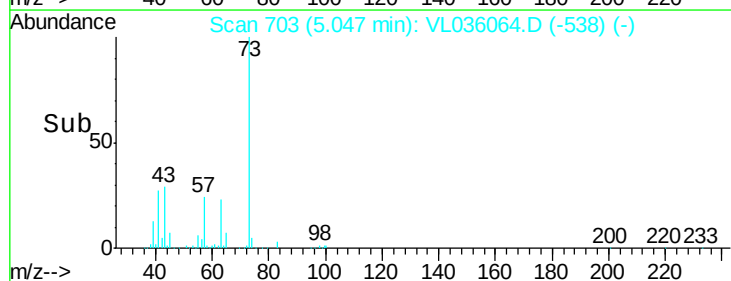
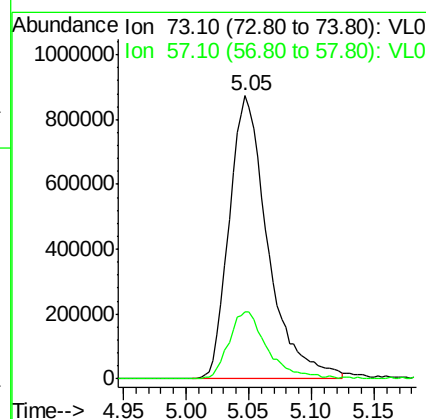
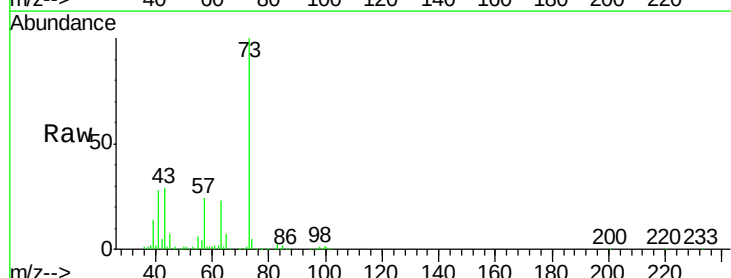
Acq: 7 Dec 2020 12:29

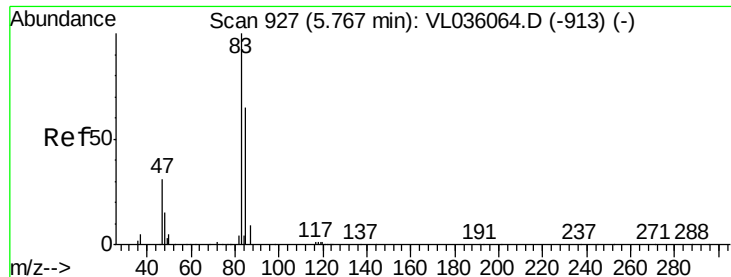
Tgt Ion: 73 Resp: 1865907

Ion Ratio Lower Upper

73 100

57 24.0 15.8 23.8#





#29

Chloroform

Concen: 6.558 ppbv

RT: 5.77 min Scan# 927

Delta R.T. 0.03 min

Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 83 Resp: 1735882

Ion Ratio Lower Upper

83 100

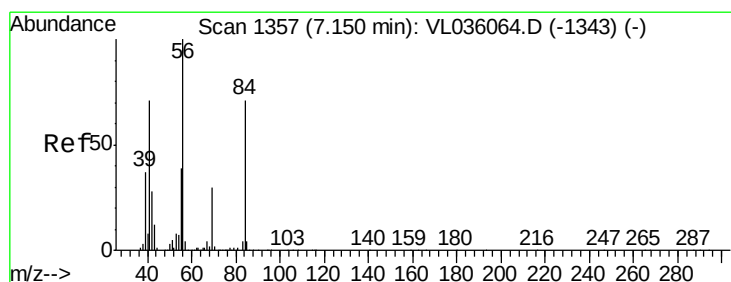
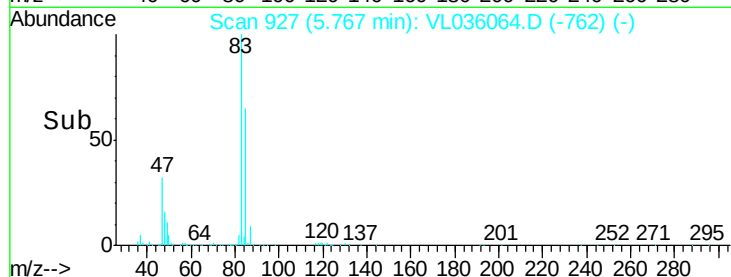
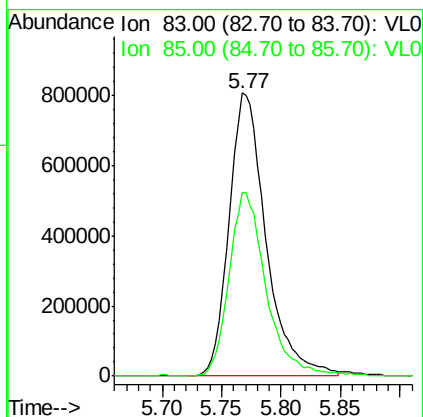
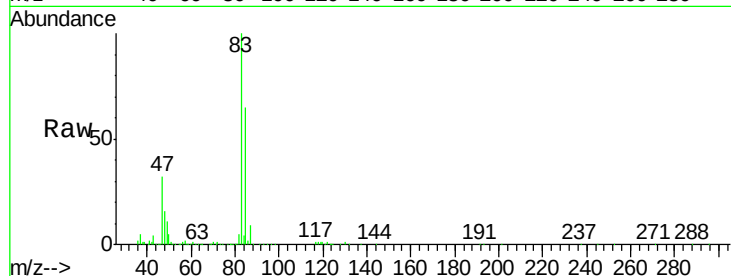
85 64.7 51.6 77.4

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#30

Cyclohexane

Concen: 7.066 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. 0.04 min

Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

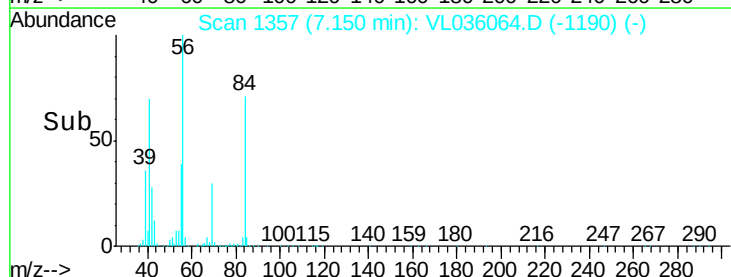
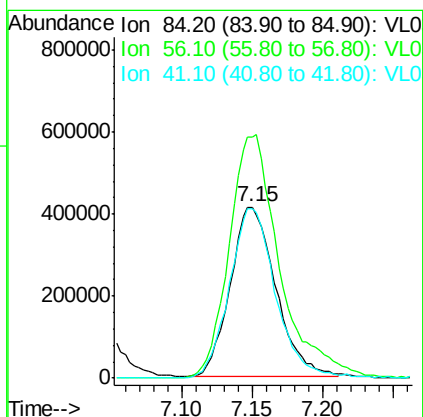
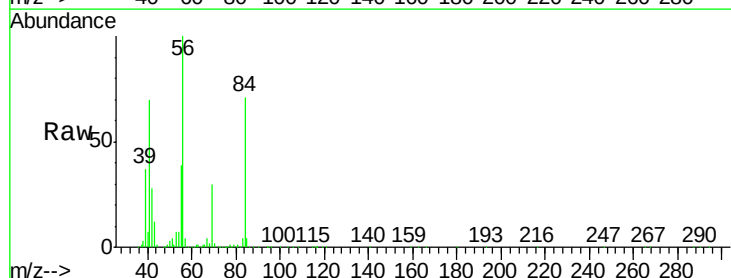
Tgt Ion: 84 Resp: 934431

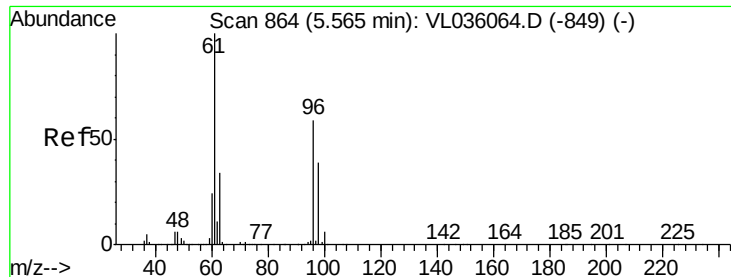
Ion Ratio Lower Upper

84 100

56 160.0 89.9 134.9#

41 101.6 46.1 69.1#





#31

cis-1,2-Dichloroethene

Concen: 9.468 ppbv

RT: 5.56 min Scan# 864

Delta R.T. 0.03 min

Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 61 Resp: 1213855

Ion Ratio Lower Upper

61 100

96 59.1 66.8 100.2#

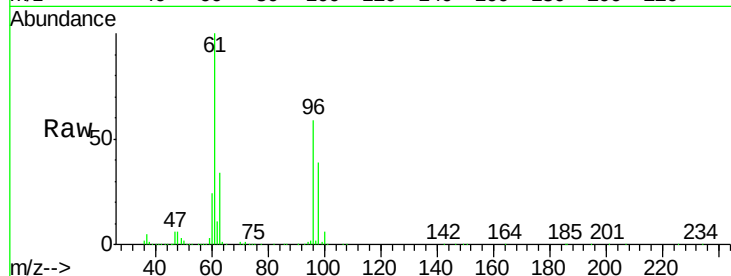
98 39.2 42.6 63.8#

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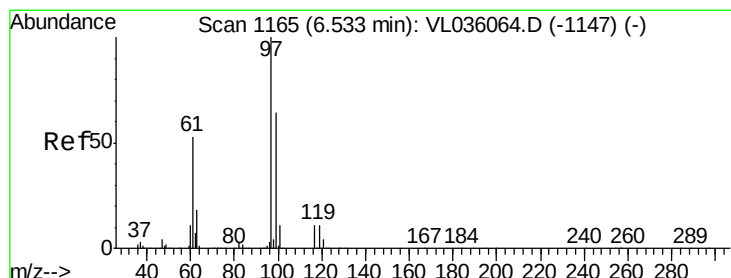
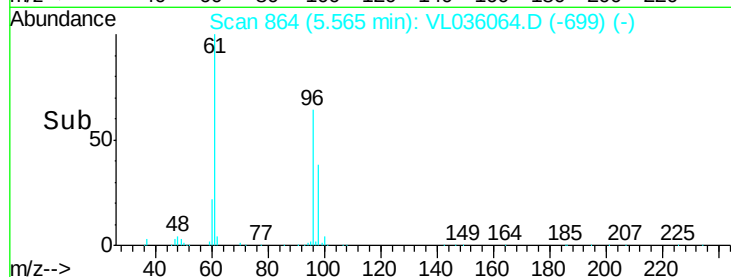
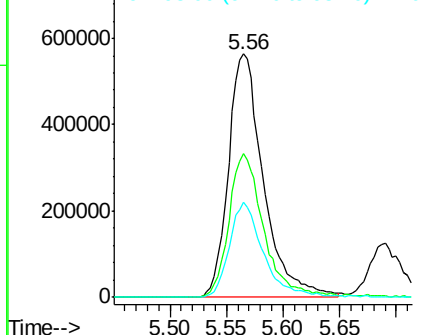
12/10/2020 9:53:12 AM



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 7.182 ppbv

RT: 6.53 min Scan# 1165

Delta R.T. 0.04 min

Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

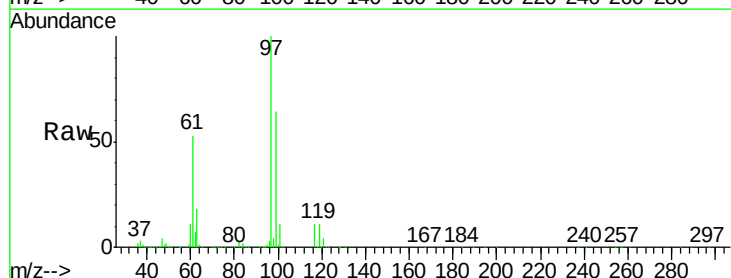
Tgt Ion: 97 Resp: 1742689

Ion Ratio Lower Upper

97 100

99 65.5 52.4 78.6

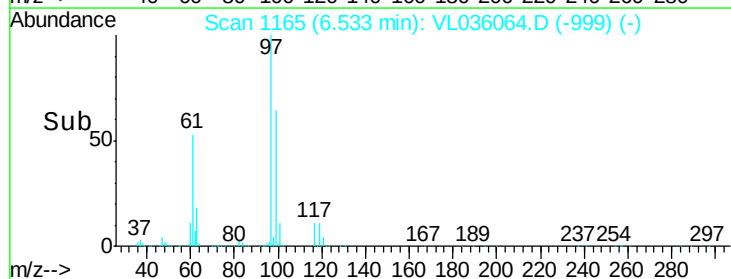
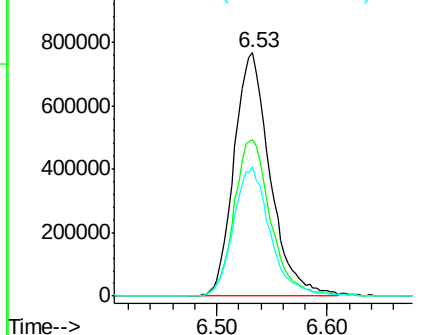
61 54.2 34.7 52.1#

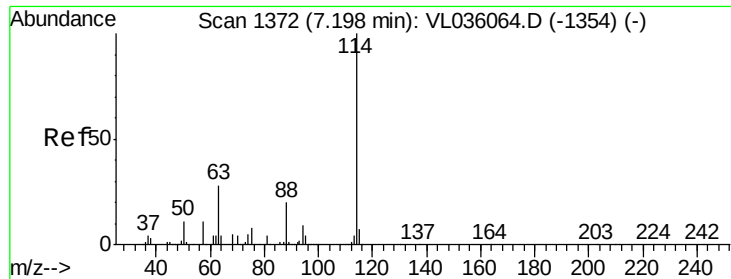


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0





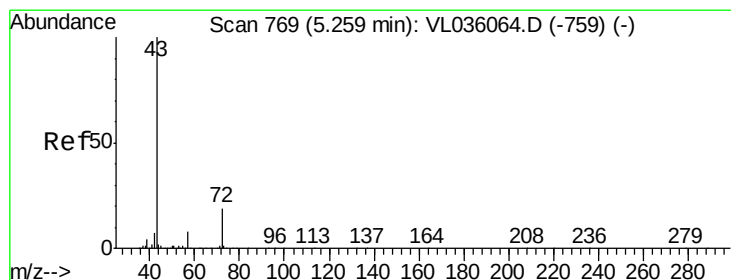
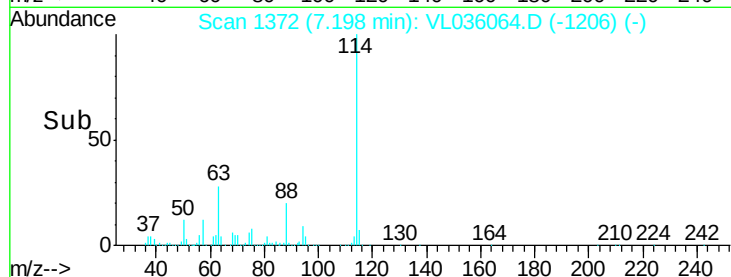
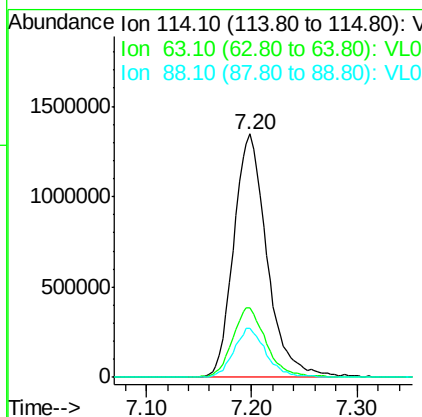
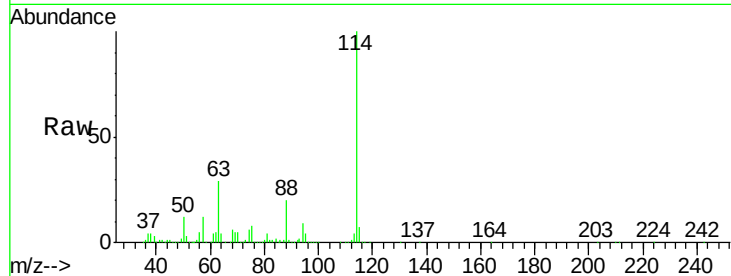
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. 0.04 min
 Lab File: VL036064.D
 Acq: 7 Dec 2020 12:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:114 Resp: 2946303
 Ion Ratio Lower Upper
 114 100
 63 29.5 17.2 25.8#
 88 19.7 14.0 21.0

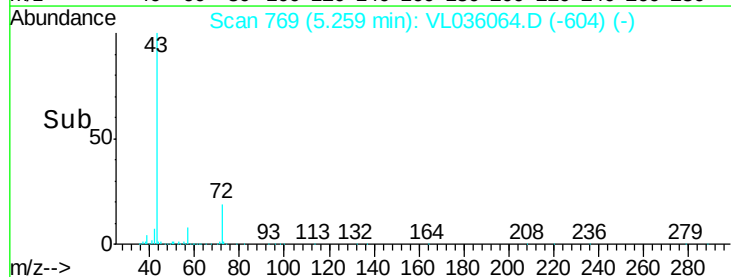
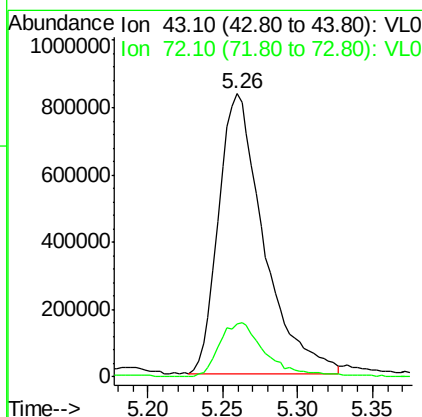
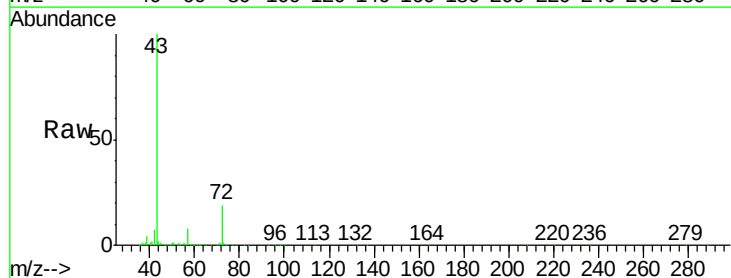
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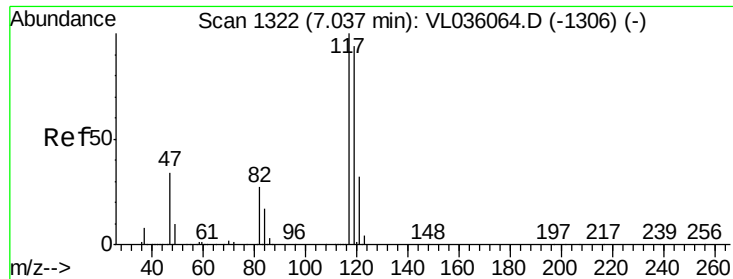
MMDadoda
 12/10/2020 9:53:12 AM



#34
 2-Butanone
 Concen: 17.310 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.03 min
 Lab File: VL036064.D
 Acq: 7 Dec 2020 12:29

Tgt Ion: 43 Resp: 1748151
 Ion Ratio Lower Upper
 43 100
 72 20.6 24.5 36.7#





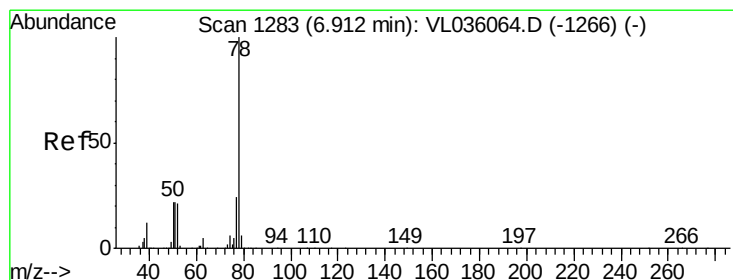
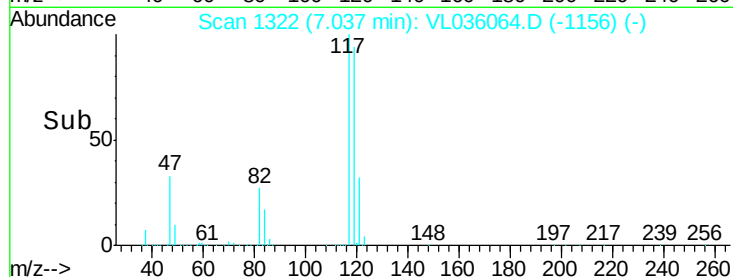
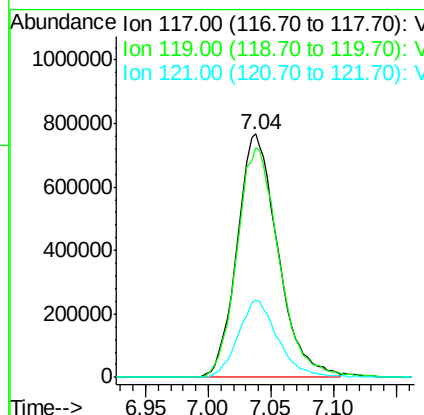
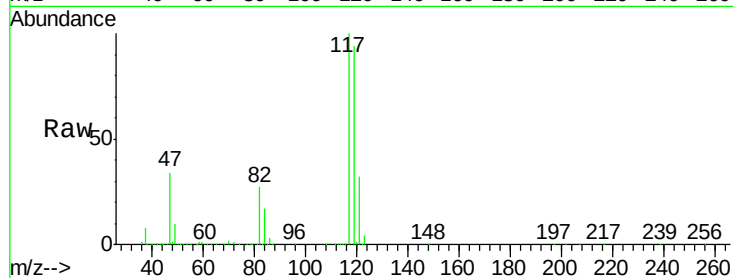
#35
Carbon Tetrachloride
Concen: 11.269 ppbv
RT: 7.04 min Scan# 1322
Delta R.T. 0.04 min
Lab File: VL036064.D
Acq: 7 Dec 2020 12:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:117 Resp: 1735930
Ion Ratio Lower Upper
117 100
119 93.9 75.9 113.9
121 32.0 25.8 38.8

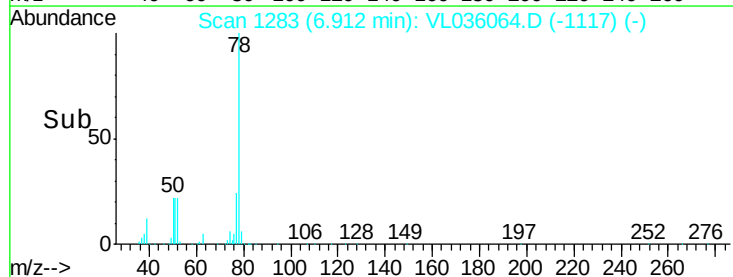
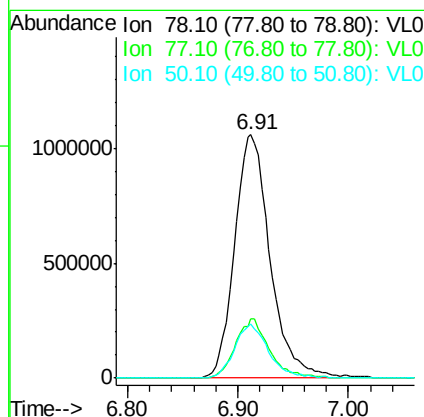
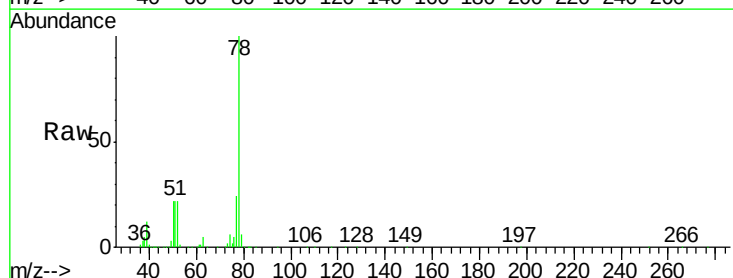
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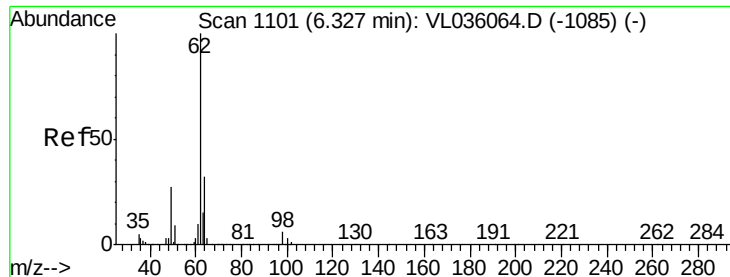
MMDadoda
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#36
Benzene
Concen: 11.739 ppbv
RT: 6.91 min Scan# 1283
Delta R.T. 0.04 min
Lab File: VL036064.D
Acq: 7 Dec 2020 12:29

Tgt Ion: 78 Resp: 2365655
Ion Ratio Lower Upper
78 100
77 24.3 19.1 28.7
50 22.3 12.0 18.0#





#37

1,2-Dichloroethane

Concen: 13.437 ppbv

RT: 6.33 min Scan# 1101

Delta R.T. 0.04 min

Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 1404668

Ion Ratio Lower Upper

62 100

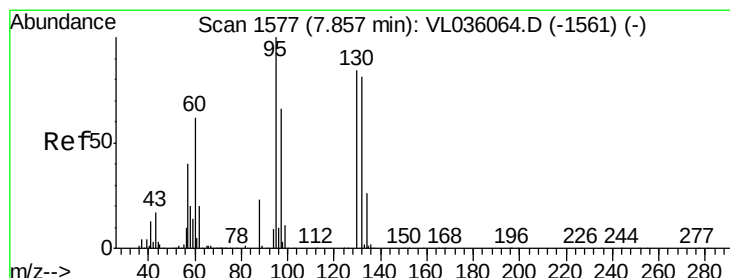
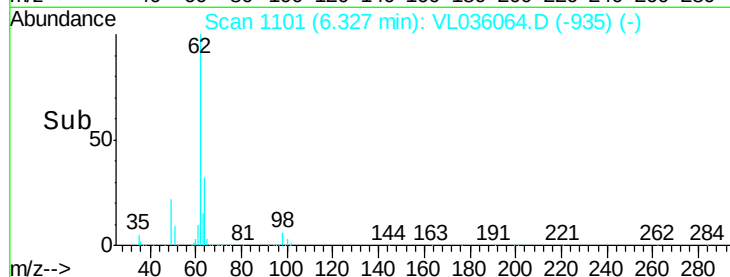
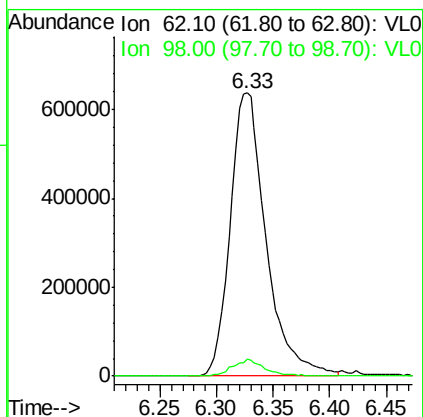
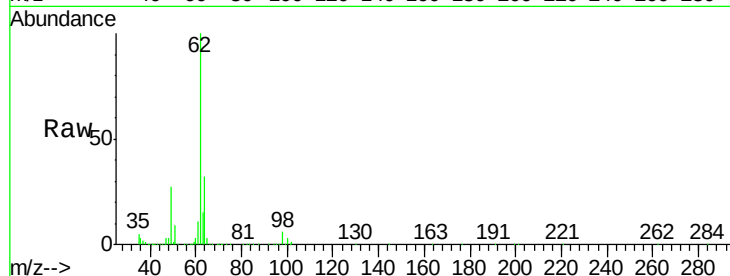
98 5.8 6.4 9.6#

Manual Integrations

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#38

Trichloroethene

Concen: 9.164 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. 0.04 min

Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

Tgt Ion:130 Resp: 826209

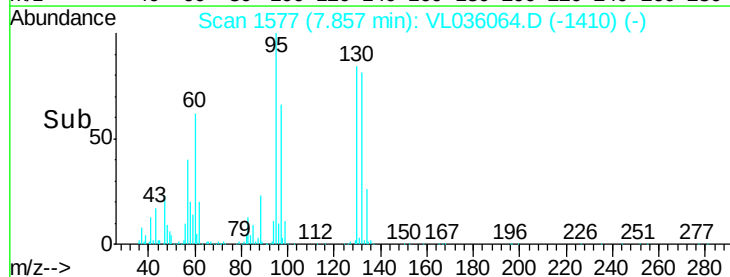
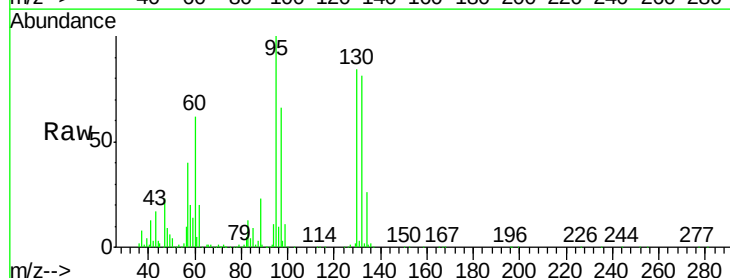
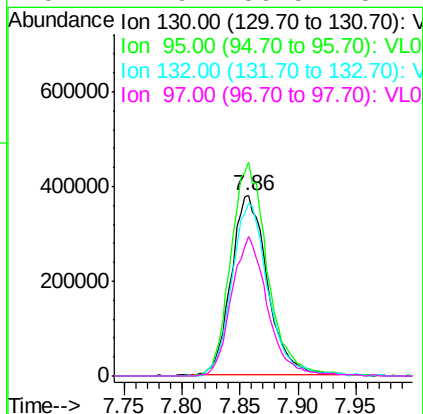
Ion Ratio Lower Upper

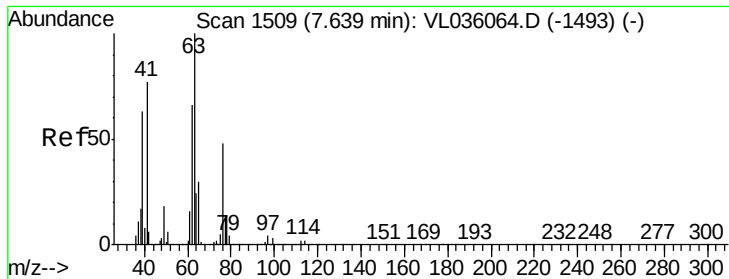
130 100

95 119.0 86.1 129.1

132 96.1 78.6 118.0

97 77.9 56.5 84.7





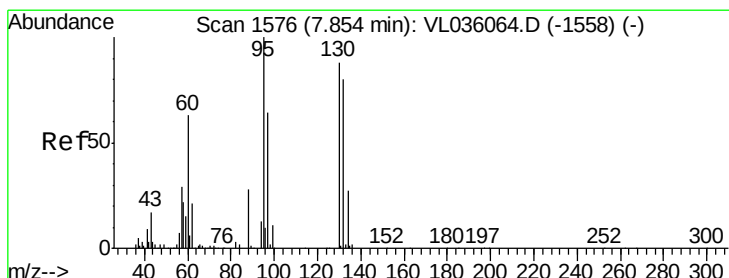
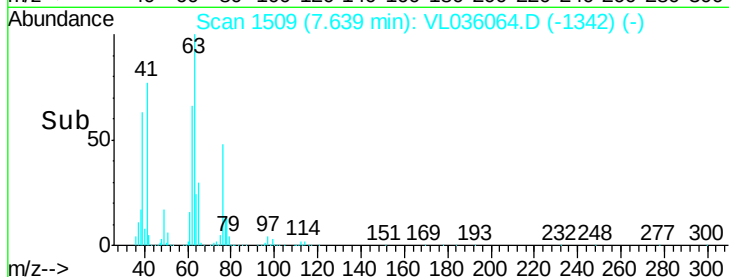
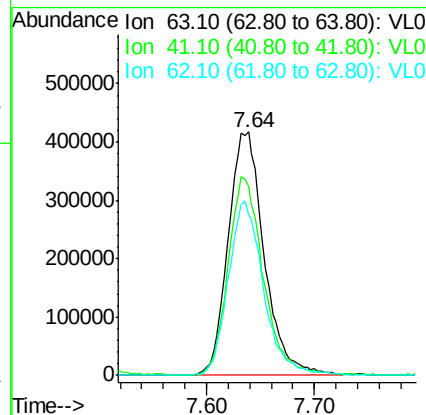
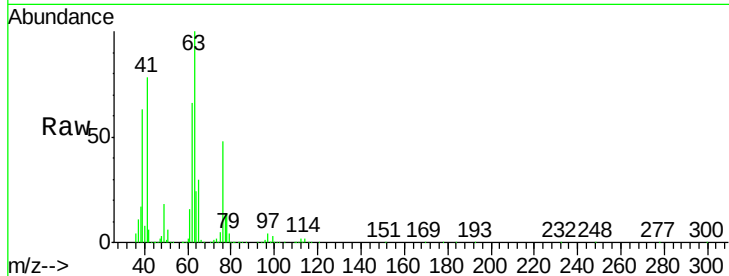
#39
 1,2-Dichloropropane
 Concen: 12.516 ppbv
 RT: 7.64 min Scan# 1509
 Delta R.T. 0.04 min
 Lab File: VL036064.D
 Acq: 7 Dec 2020 12:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	77.4	45.4	68.0#
62	65.6	55.3	82.9

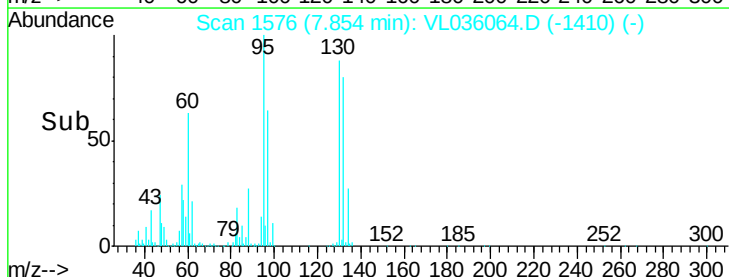
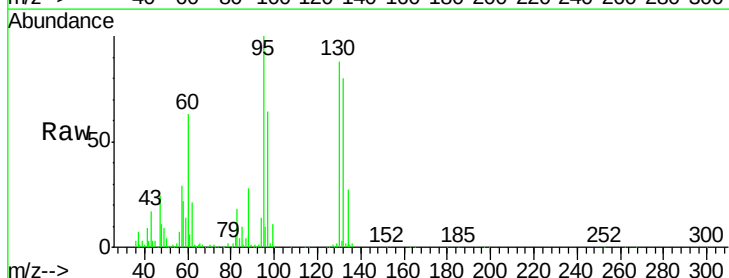
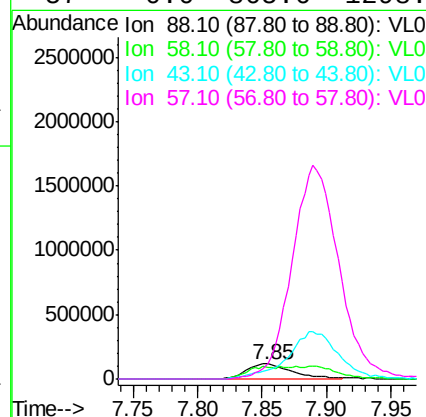
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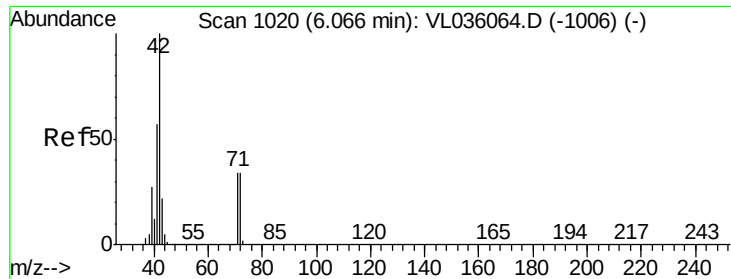
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#40
 1,4-Dioxane
 Concen: 11.223 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.04 min
 Lab File: VL036064.D
 Acq: 7 Dec 2020 12:29

Tgt Ion	Ratio	Lower	Upper
88	100		
58	153.3	91.0	136.6#
43	0.0	163.3	244.9#
57	0.0	865.6	1298.4#





#41

Tetrahydrofuran

Concen: 20.516 ppbv

RT: 6.07 min Scan# 1020

Delta R.T. 0.04 min

Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 42 Resp: 1081640

Ion Ratio Lower Upper

42 100

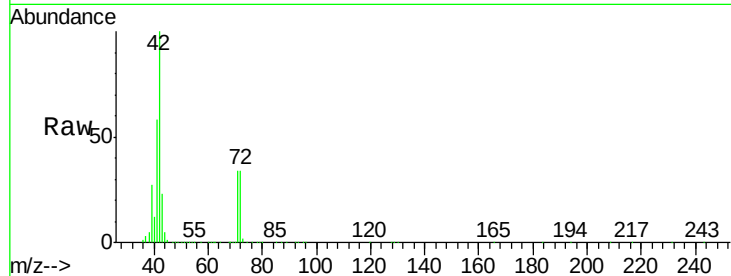
72 35.4 42.7 64.1#

71 34.1 41.0 61.4#

Manual Integrations
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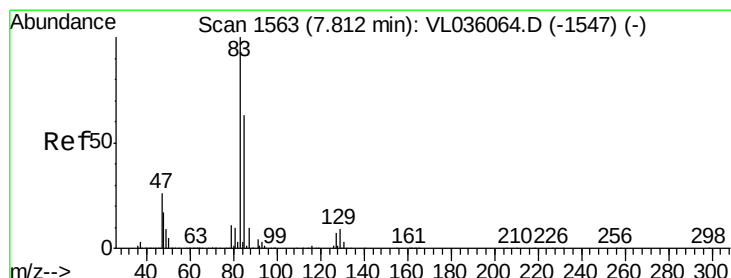
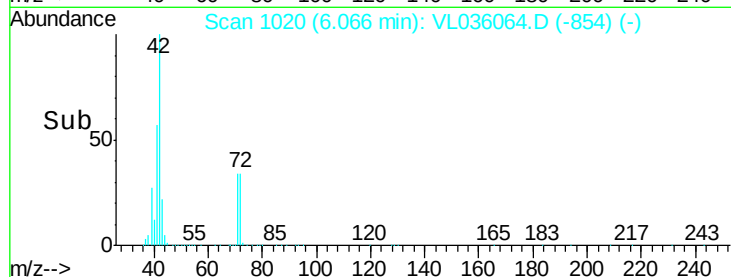
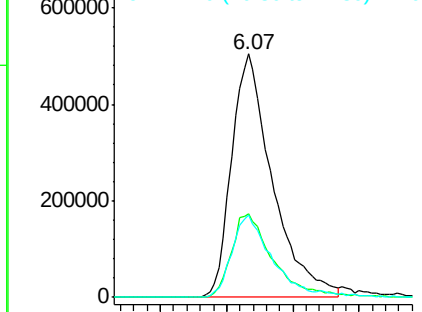
12/10/2020 9:53:12 AM



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 11.659 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. 0.04 min

Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

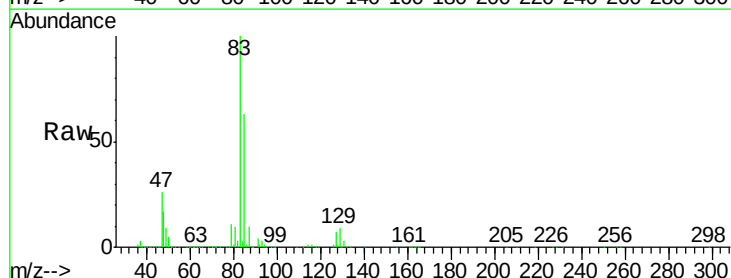
Tgt Ion: 83 Resp: 1927715

Ion Ratio Lower Upper

83 100

85 62.7 53.7 80.5

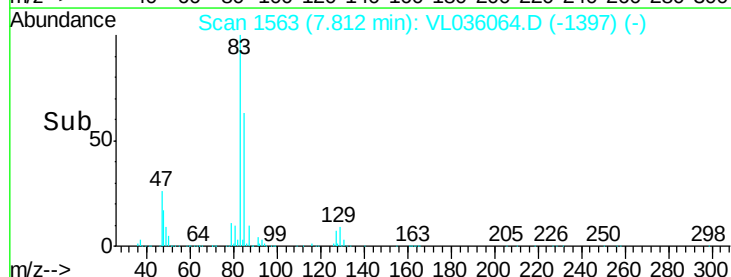
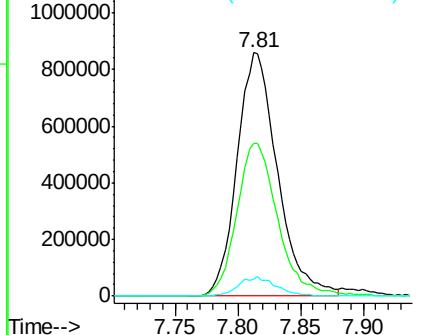
127 6.9 7.0 10.6#

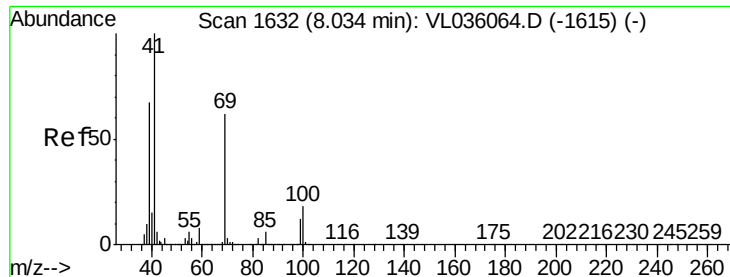


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 14.451 ppbv

RT: 8.03 min Scan# 1632

Delta R.T. 0.04 min

Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

Instrument :
MSVOA_L

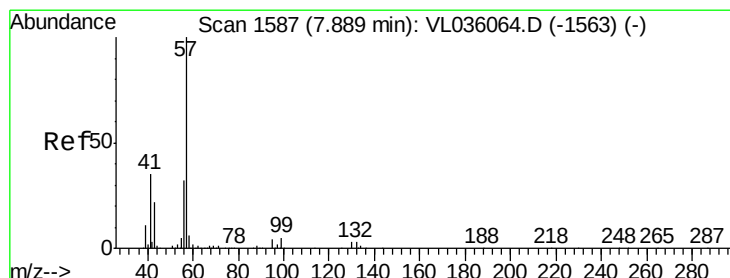
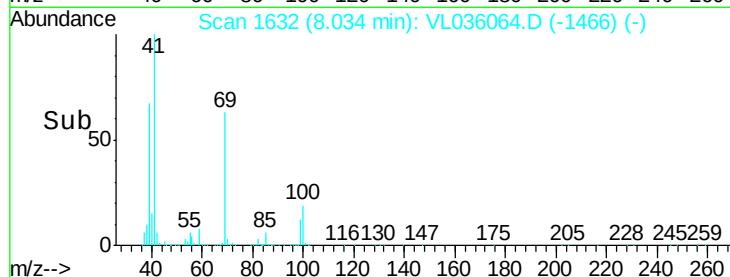
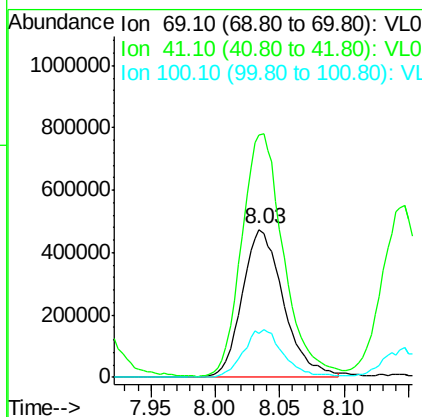
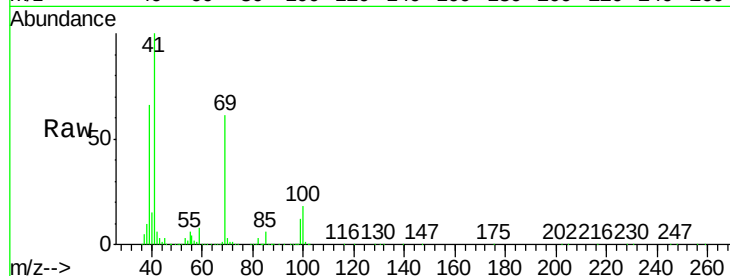
ClientSampleId :
VSTDICCC010

Tot Ion: 69 Resp: 1060798

Ion	Ratio	Lower	Upper
69	100		
41	166.3	86.5	129.7#
100	31.7	29.0	43.6

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#44

2,2,4-Trimethylpentane

Concen: 14.126 ppbv

RT: 7.89 min Scan# 1587

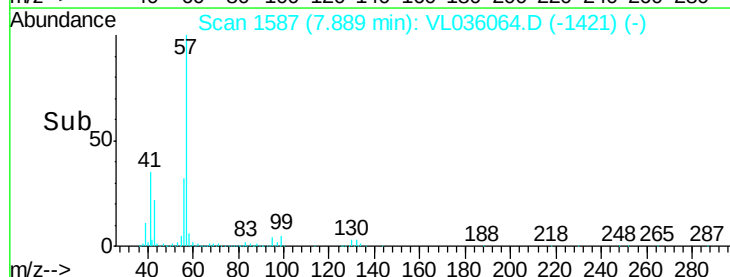
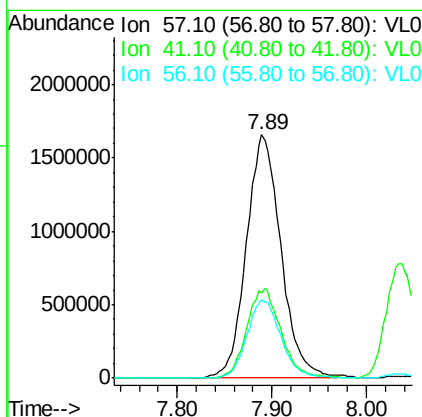
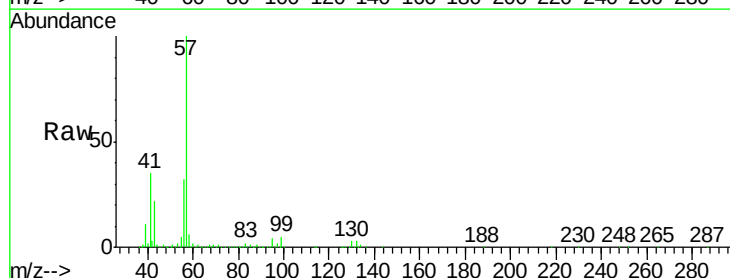
Delta R.T. 0.04 min

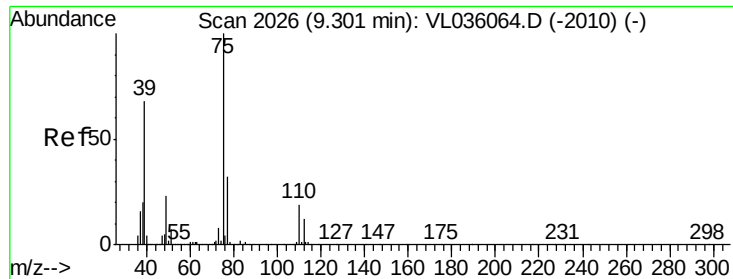
Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

Tgt Ion: 57 Resp: 4219603

Ion	Ratio	Lower	Upper
57	100		
41	36.1	21.9	32.9#
56	31.6	25.8	38.6





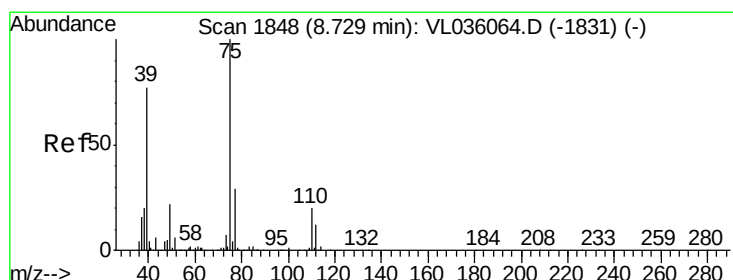
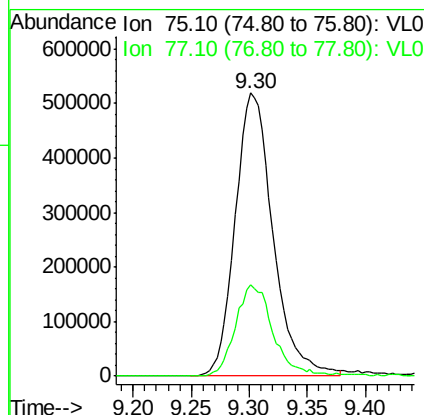
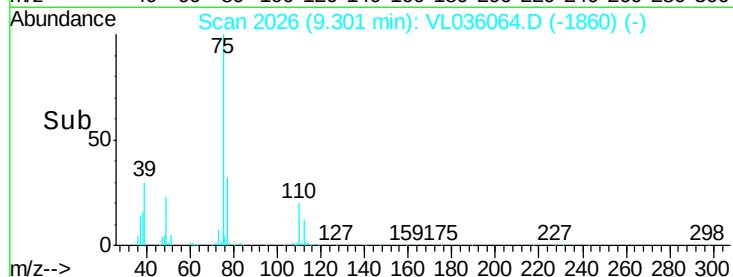
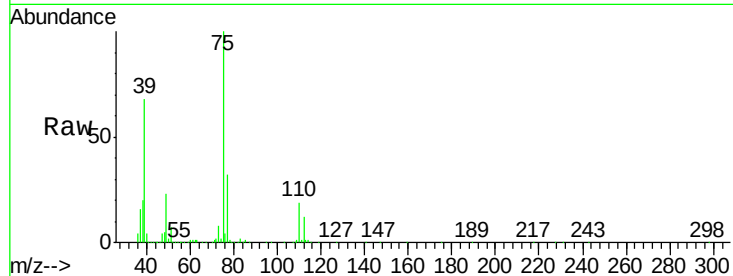
#45
t-1,3-Dichloropropene
Concen: 16.884 ppbv
RT: 9.30 min Scan# 2026
Delta R.T. 0.04 min
Lab File: VL036064.D
Acq: 7 Dec 2020 12:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 75 Resp: 1171533
Ion Ratio Lower Upper
75 100
77 32.5 26.8 40.2

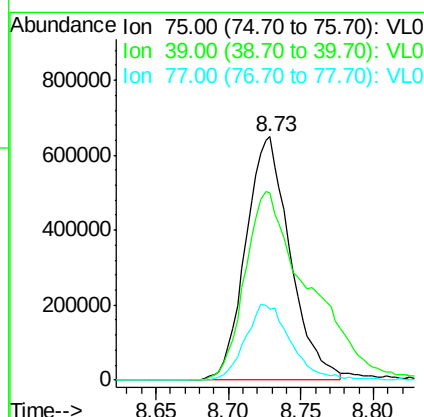
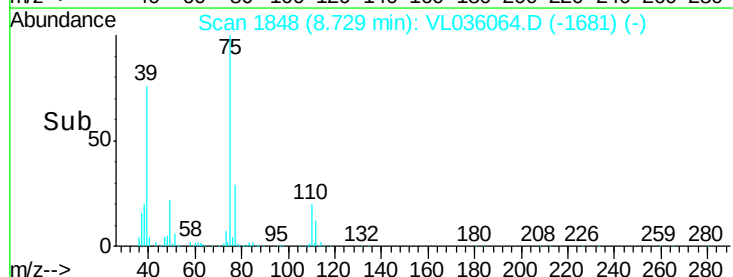
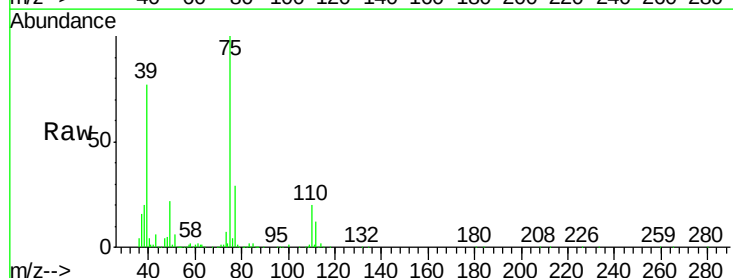
Manual Integrations
APPROVED

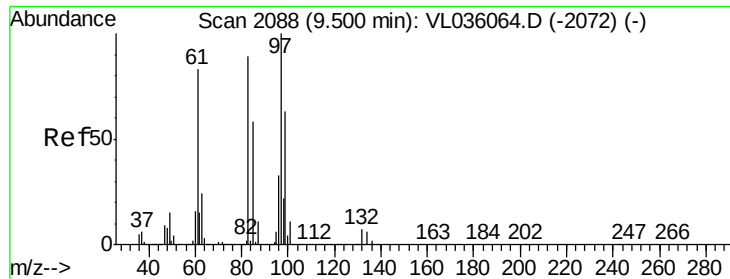
MMDadoda
12/10/2020 9:53:12 AM



#46
cis-1,3-Dichloropropene
Concen: 14.882 ppbv
RT: 8.73 min Scan# 1848
Delta R.T. 0.04 min
Lab File: VL036064.D
Acq: 7 Dec 2020 12:29

Tgt Ion: 75 Resp: 1384159
Ion Ratio Lower Upper
75 100
39 77.0 37.0 55.4#
77 28.8 25.5 38.3





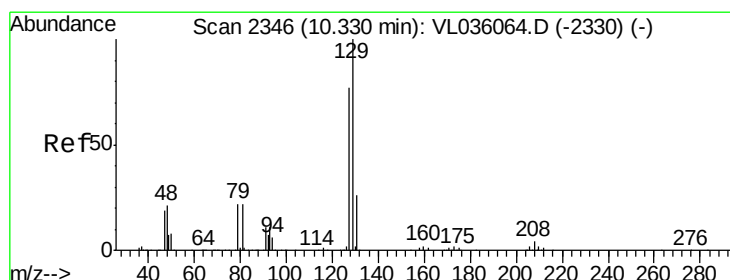
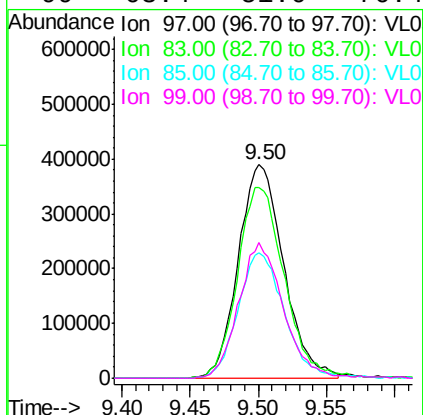
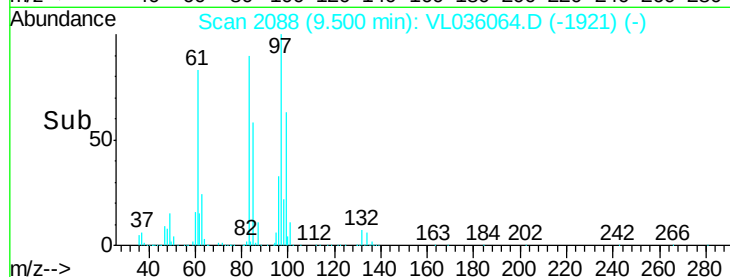
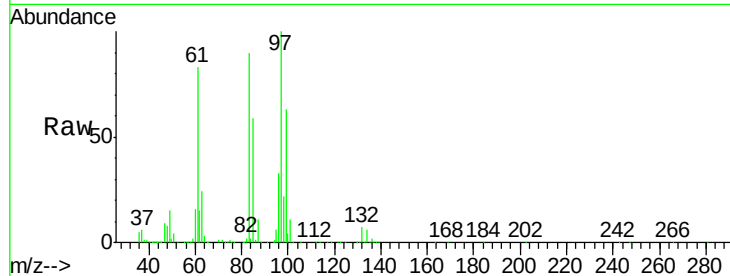
#47
1,1,2-Trichloroethane
Concen: 9.286 ppbv
RT: 9.50 min Scan# 2088
Delta R.T. 0.04 min
Lab File: VL036064.D
Acq: 7 Dec 2020 12:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	89.3	72.1	108.1	
85	58.3	46.6	69.8	
99	63.4	51.0	76.4	

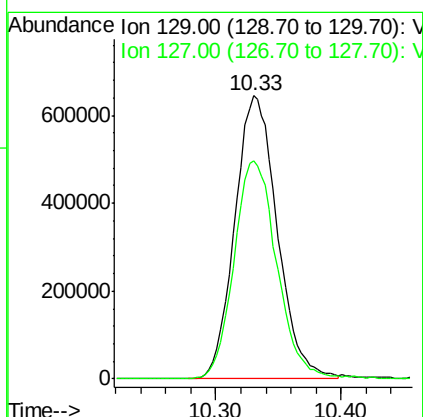
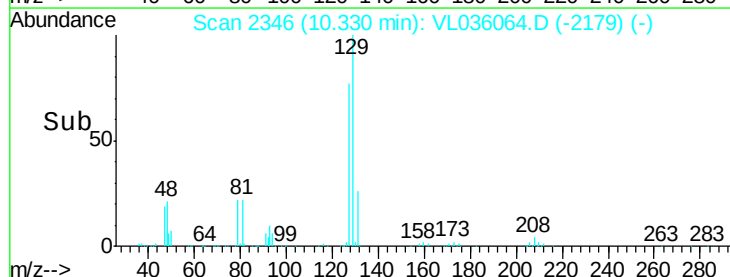
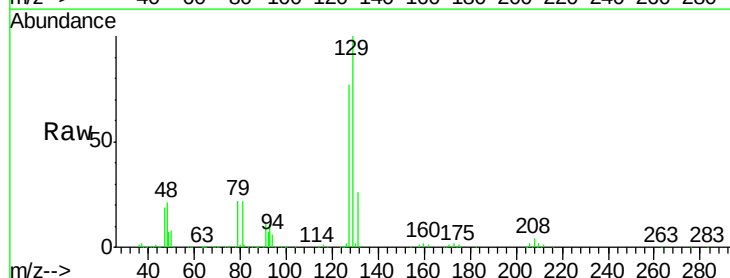
Manual Integrations
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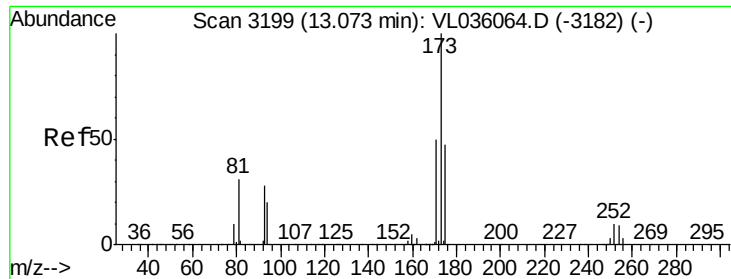
MMDadoda
12/10/2020 9:53:12 AM



#48
Dibromochloromethane
Concen: 11.103 ppbv
RT: 10.33 min Scan# 2346
Delta R.T. 0.04 min
Lab File: VL036064.D
Acq: 7 Dec 2020 12:29

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.0	39.4	118.2	





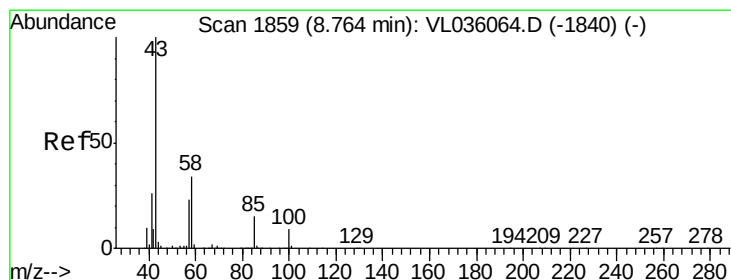
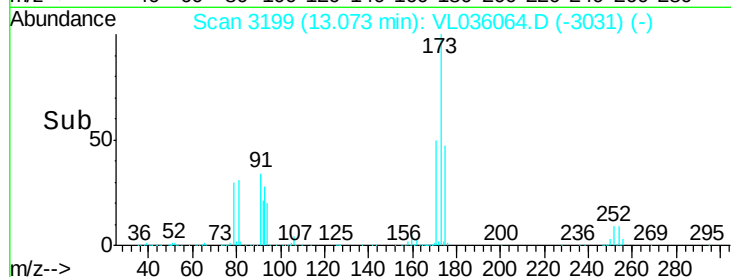
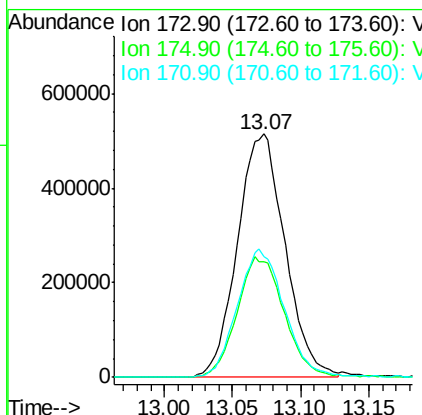
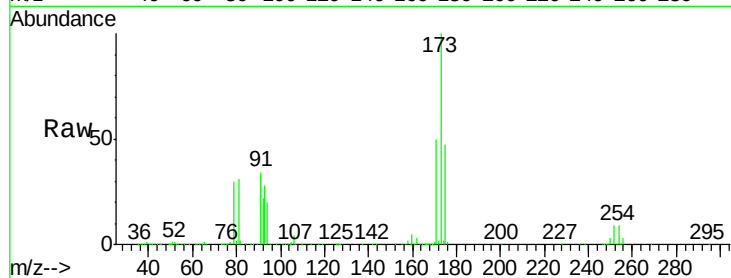
#49
Bromoform
Concen: 12.258 ppbv
RT: 13.07 min Scan# 3199
Delta R.T. 0.04 min
Lab File: VL036064.D
Acq: 7 Dec 2020 12:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	39.5	59.3
171	53.1	42.6	63.8

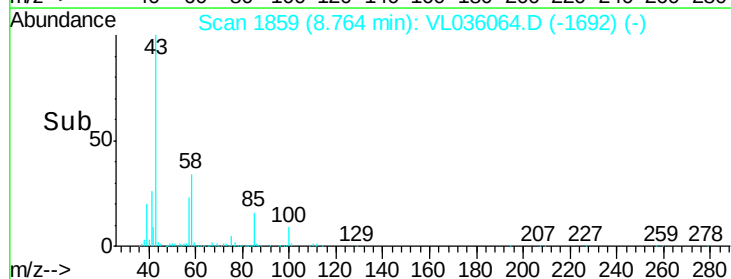
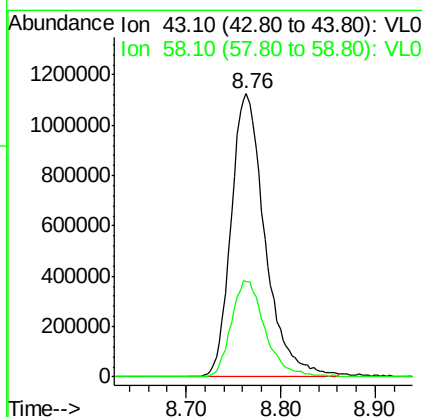
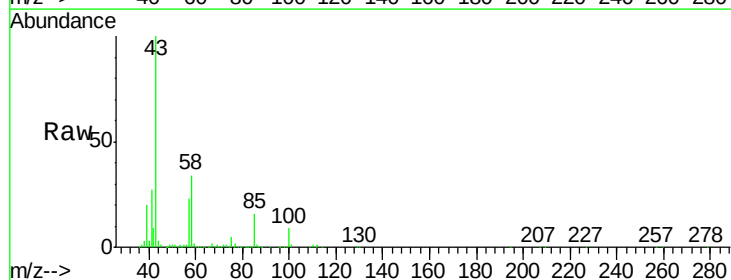
Manual Integrations
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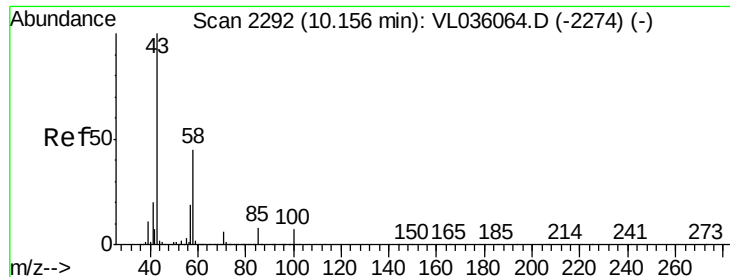
MMDadoda
12/10/2020 9:53:12 AM



#50
4-Methyl-2-Pentanone
Concen: 18.284 ppbv
RT: 8.76 min Scan# 1859
Delta R.T. 0.04 min
Lab File: VL036064.D
Acq: 7 Dec 2020 12:29

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.3	34.7	52.1





#51

2-Hexanone

Concen: 19.522 ppbv

RT: 10.16 min Scan# 2292

Delta R.T. 0.04 min

Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 2168322

Ion Ratio Lower Upper

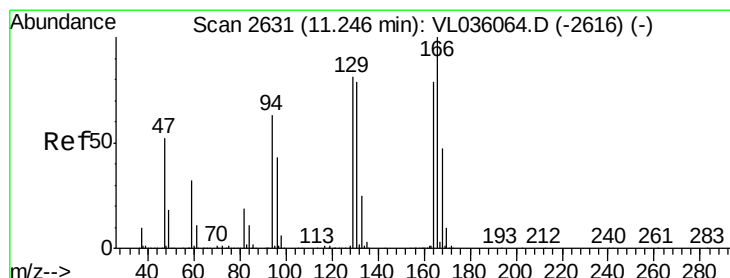
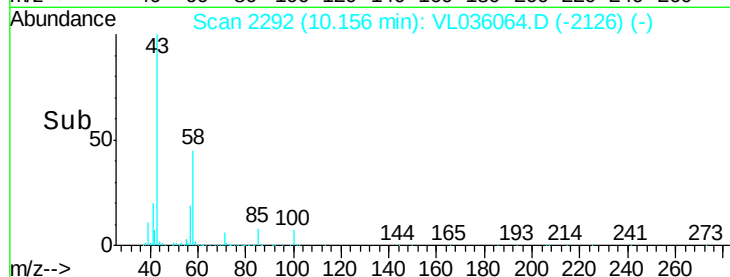
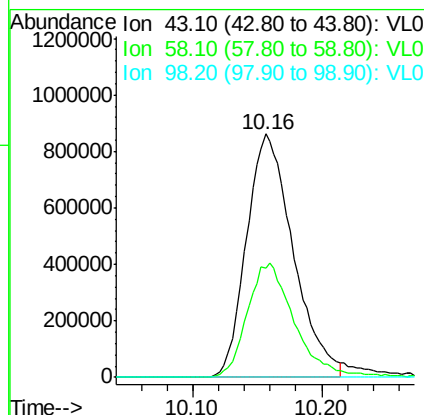
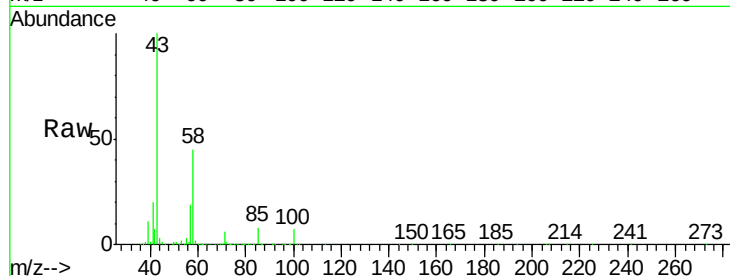
43 100

58 48.4 45.7 68.5

98 0.1 0.8 1.2#

Manual Integrations
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#52

Tetrachloroethene

Concen: 10.044 ppbv

RT: 11.25 min Scan# 2631

Delta R.T. 0.04 min

Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

Tgt Ion: 164 Resp: 784703

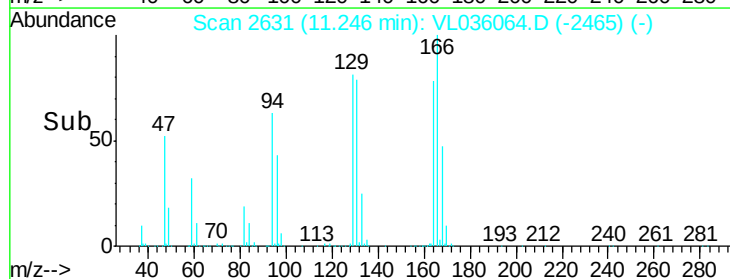
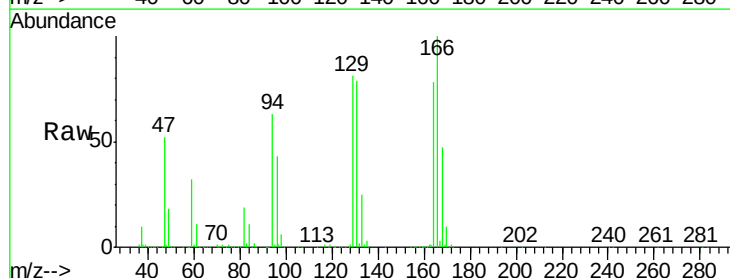
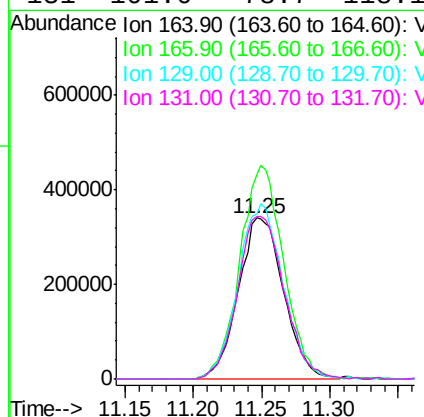
Ion Ratio Lower Upper

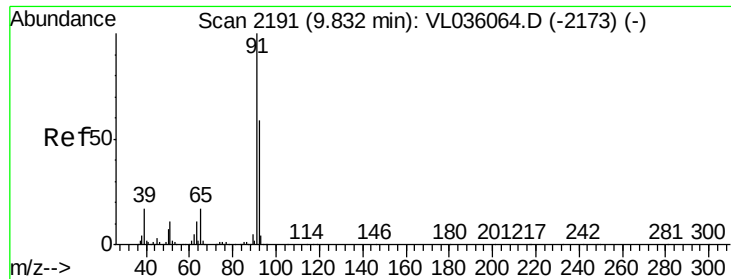
164 100

166 127.4 100.2 150.2

129 102.6 83.7 125.5

131 101.0 78.7 118.1





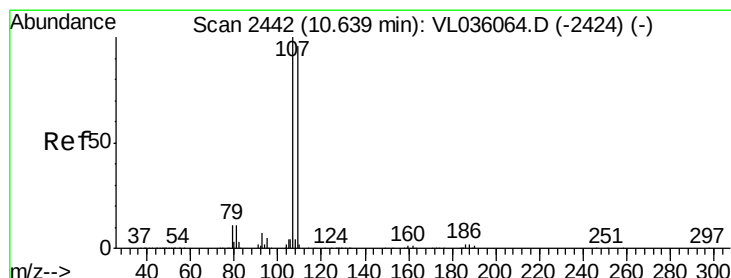
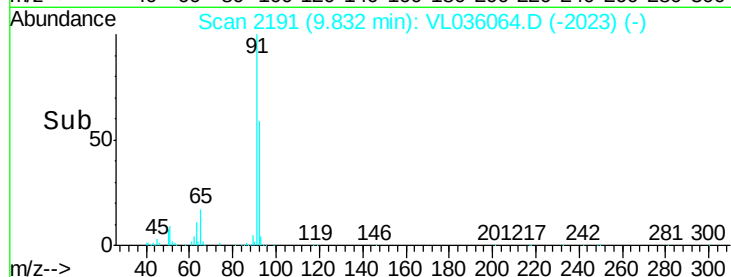
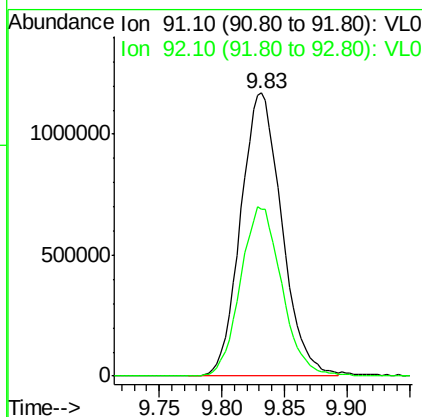
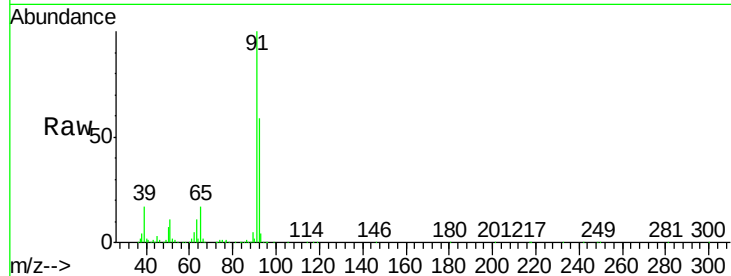
#53
Toluene
Concen: 12.199 ppbv
RT: 9.83 min Scan# 2191
Delta R.T. 0.04 min
Lab File: VL036064.D
Acq: 7 Dec 2020 12:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 2676577
Ion Ratio Lower Upper
91 100
92 60.2 49.3 73.9

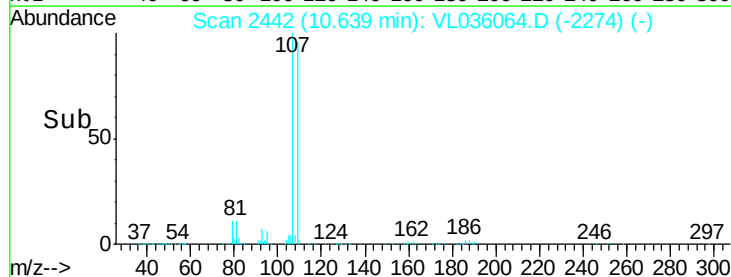
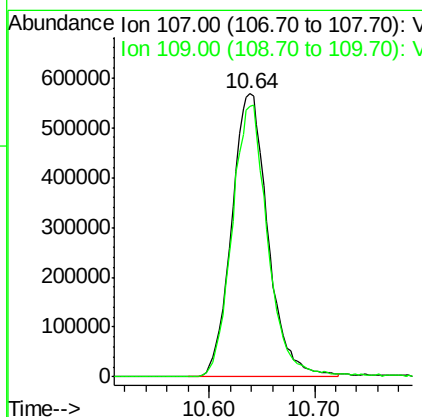
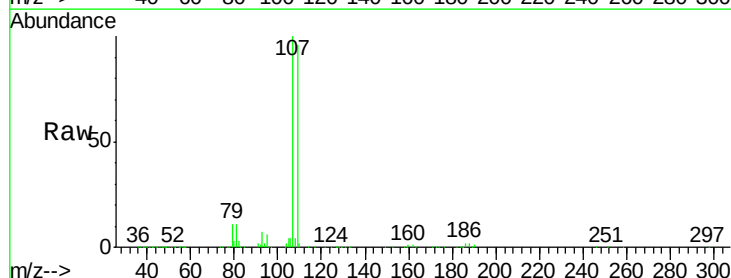
Manual Integrations
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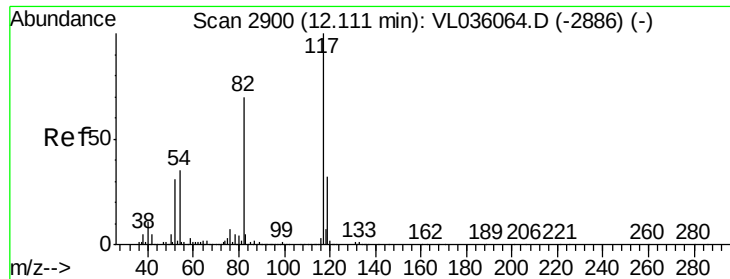
MMDadoda
12/10/2020 9:53:12 AM



#54
1,2-Dibromoethane
Concen: 9.869 ppbv
RT: 10.64 min Scan# 2442
Delta R.T. 0.04 min
Lab File: VL036064.D
Acq: 7 Dec 2020 12:29

Tgt Ion: 107 Resp: 1354778
Ion Ratio Lower Upper
107 100
109 95.8 75.7 113.5





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.11 min Scan# 2900

Delta R.T. 0.04 min

Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:117 Resp: 2746309

Ion Ratio Lower Upper

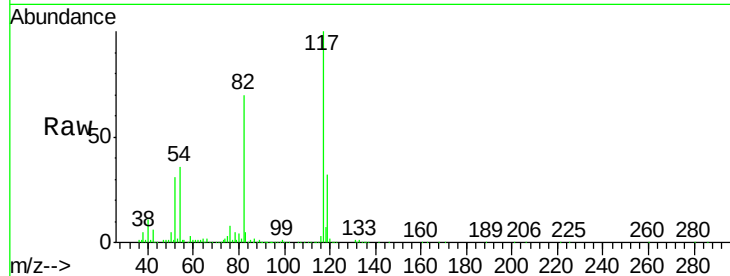
117 100

82 0.0 49.9 74.9#

119 0.0 28.7 43.1#

Manual Integrations
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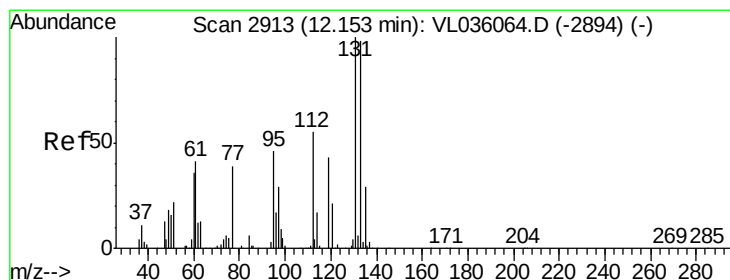
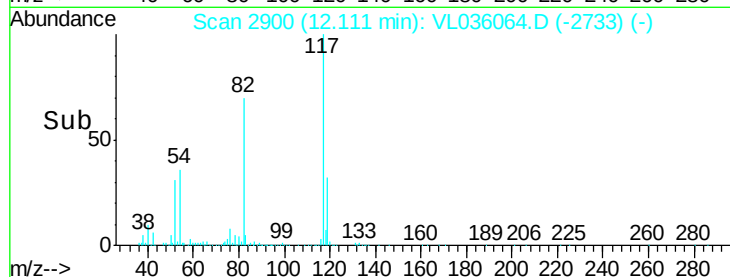
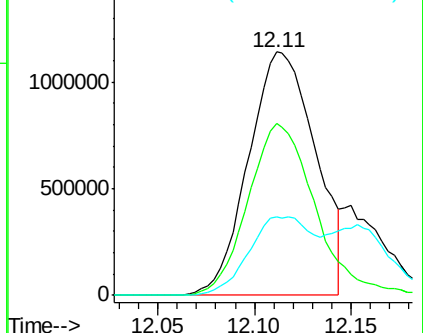
MMDadoda
12/10/2020 9:53:12 AM



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 10.076 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. 0.04 min

Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

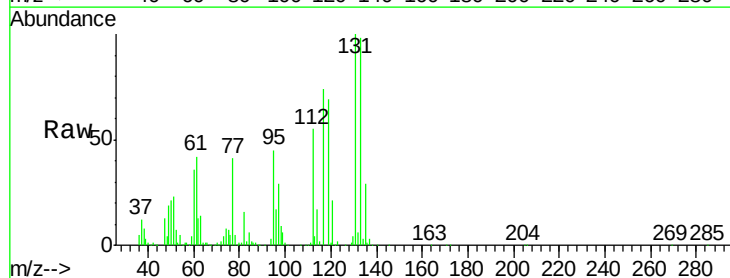
Tgt Ion:131 Resp: 1130169

Ion Ratio Lower Upper

131 100

133 97.1 76.1 114.1

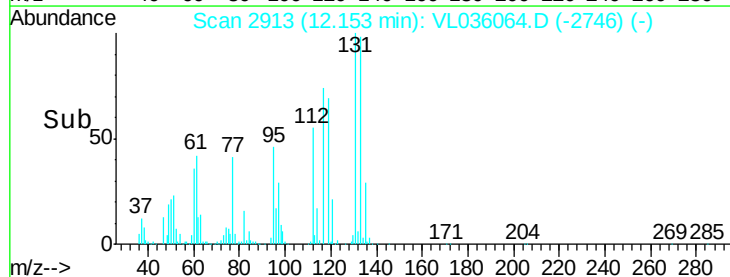
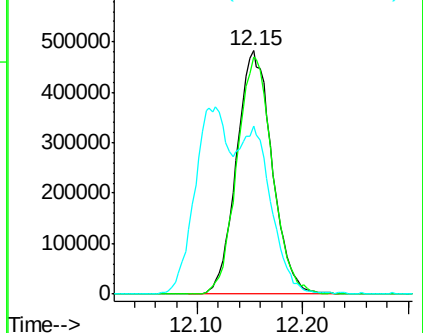
119 64.5 49.5 74.3

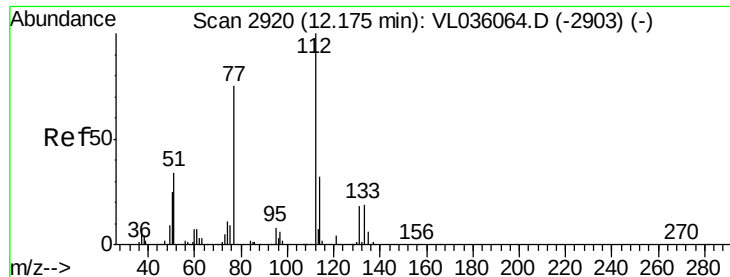


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 9.035 ppbv

RT: 12.18 min Scan# 2920

Delta R.T. 0.04 min

Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:112 Resp: 1830511

Ion Ratio Lower Upper

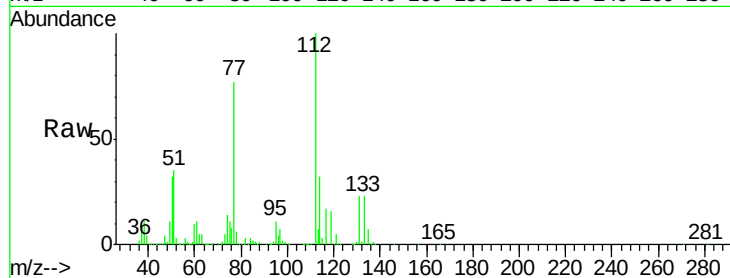
112 100

77 75.6 49.3 73.9#

114 32.4 30.2 36.9

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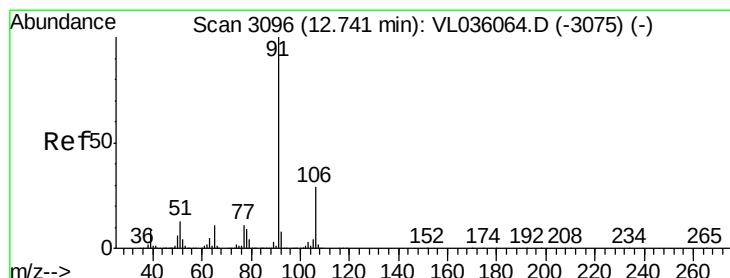
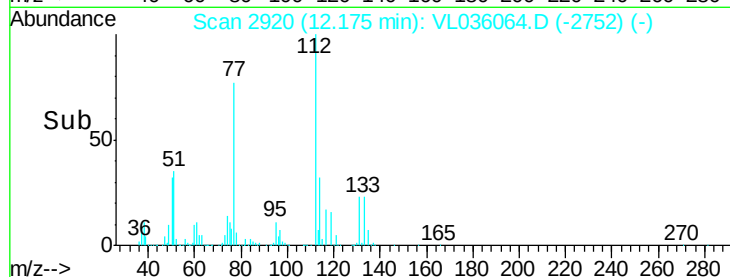
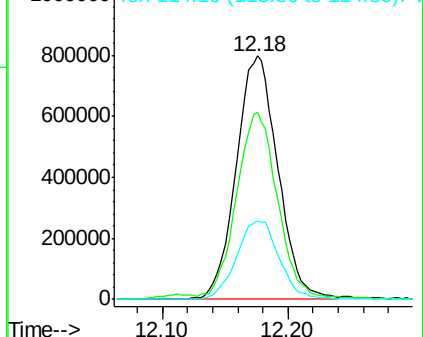
MMDadoda
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 13.043 ppbv

RT: 12.74 min Scan# 3096

Delta R.T. 0.04 min

Lab File: VL036064.D

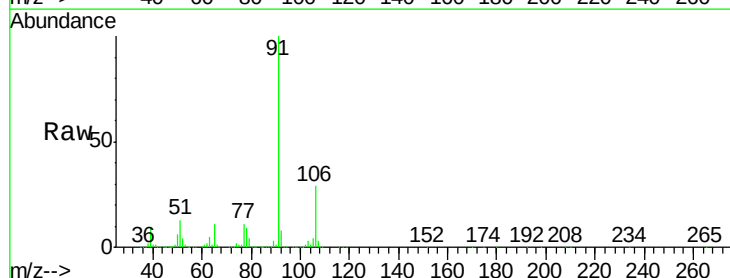
Acq: 7 Dec 2020 12:29

Tgt Ion: 91 Resp: 3543095

Ion Ratio Lower Upper

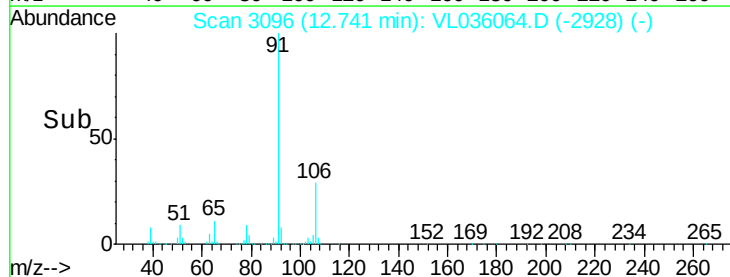
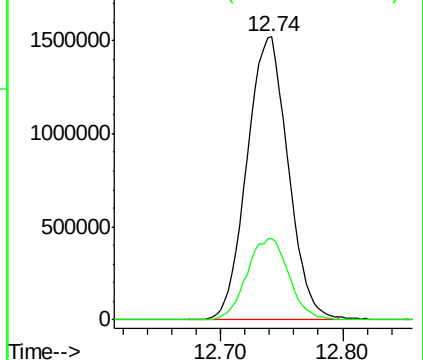
91 100

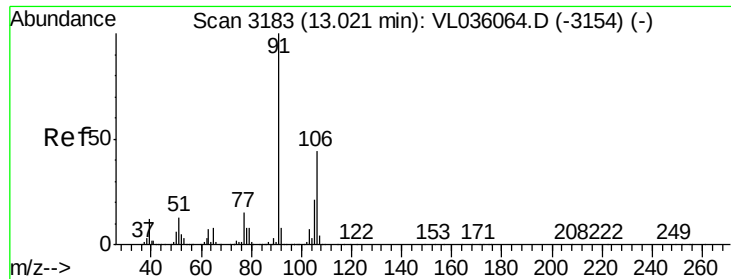
106 28.7 27.4 41.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





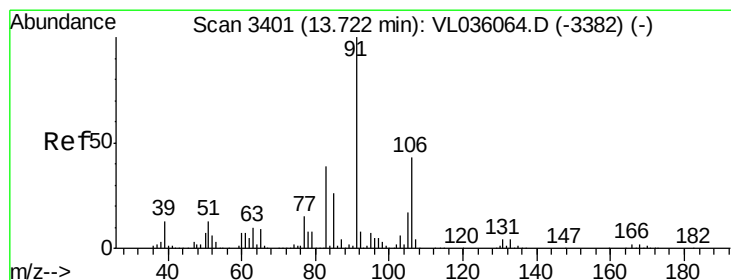
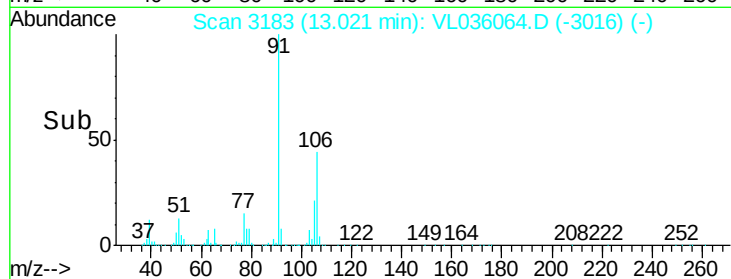
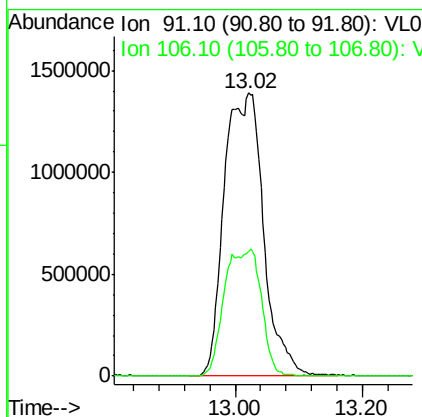
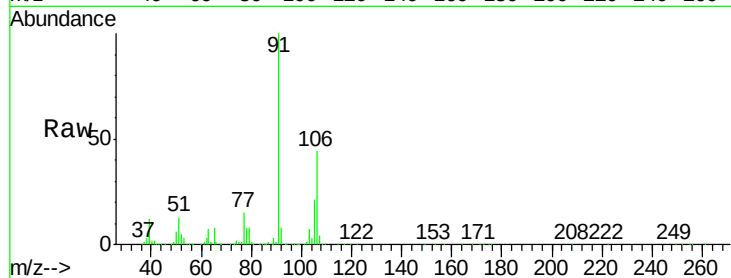
#59
m/p-Xylene
Concen: 24.064 ppbv m
RT: 13.02 min Scan# 3183
Delta R.T. 0.04 min
Lab File: VL036064.D
Acq: 7 Dec 2020 12:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 5959943
Ion Ratio Lower Upper
91 100
106 42.0 38.7 58.1

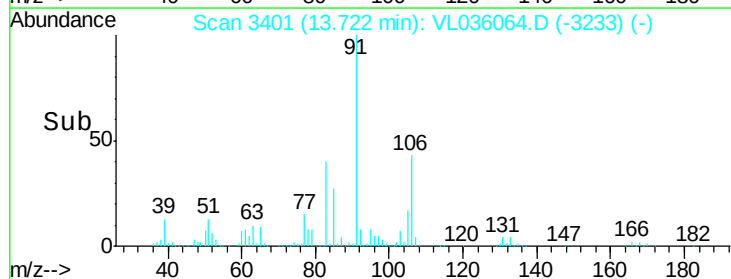
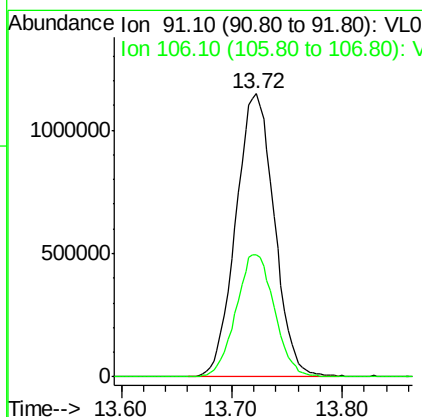
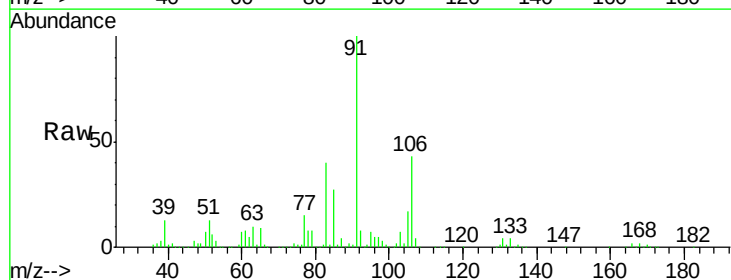
Manual Integrations
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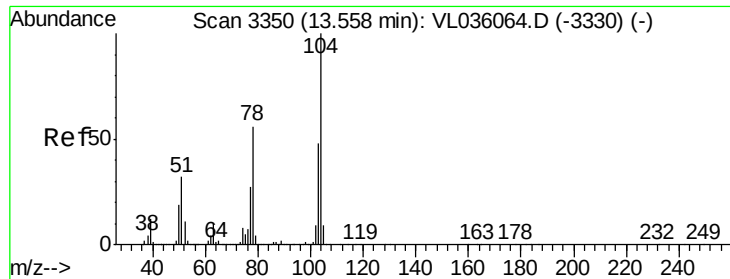
MMDadoda
12/10/2020 9:53:12 AM



#60
o-Xylene
Concen: 11.067 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.04 min
Lab File: VL036064.D
Acq: 7 Dec 2020 12:29

Tgt Ion: 91 Resp: 2765861
Ion Ratio Lower Upper
91 100
106 43.1 24.1 72.3





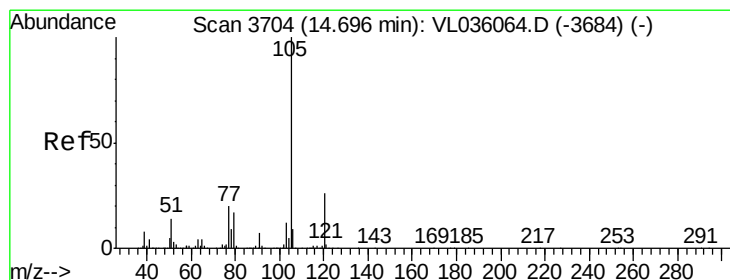
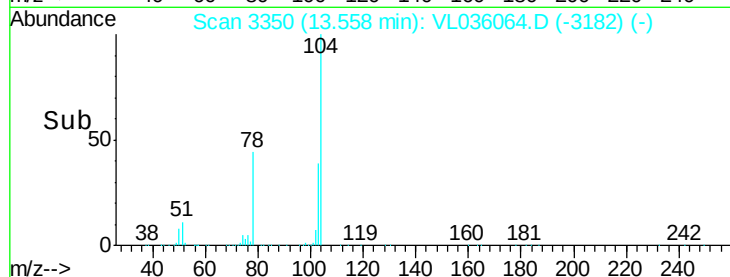
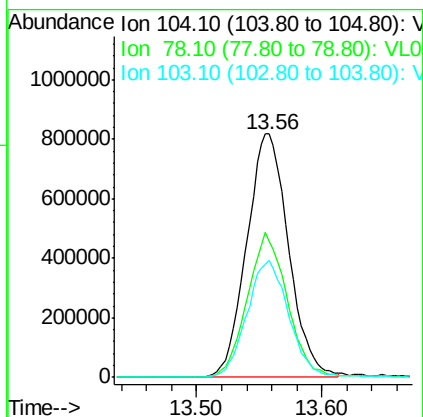
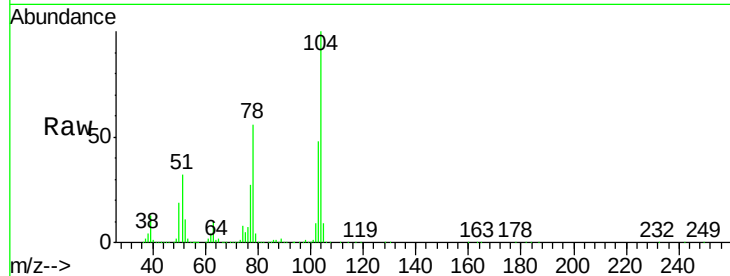
#61
Stvrene
Concen: 13.404 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. 0.04 min
Lab File: VL036064.D
Acq: 7 Dec 2020 12:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:104 Resp: 1897473
Ion Ratio Lower Upper
104 100
78 57.3 38.0 57.0#
103 48.2 37.7 56.5

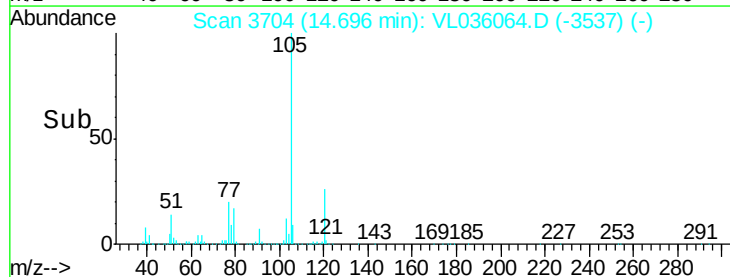
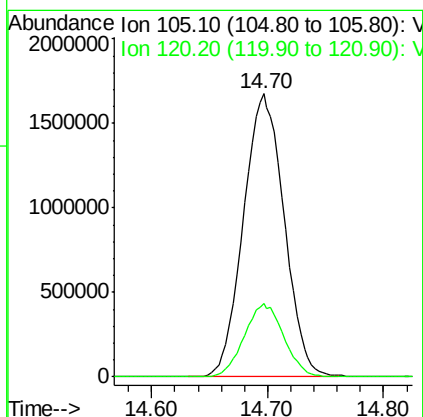
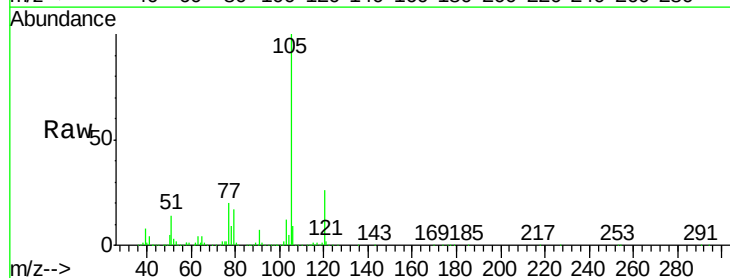
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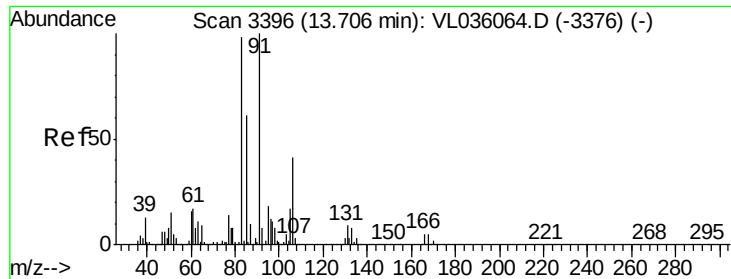
MMDadoda
12/10/2020 9:53:12 AM



#62
Isopropylbenzene
Concen: 11.016 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. 0.04 min
Lab File: VL036064.D
Acq: 7 Dec 2020 12:29

Tgt Ion:105 Resp: 4086871
Ion Ratio Lower Upper
105 100
120 25.1 22.6 34.0





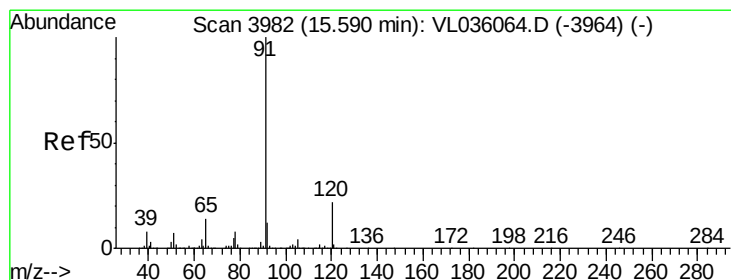
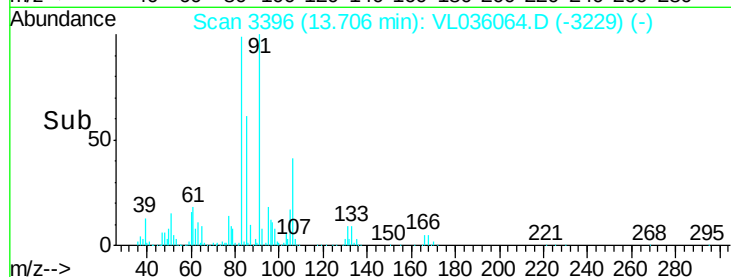
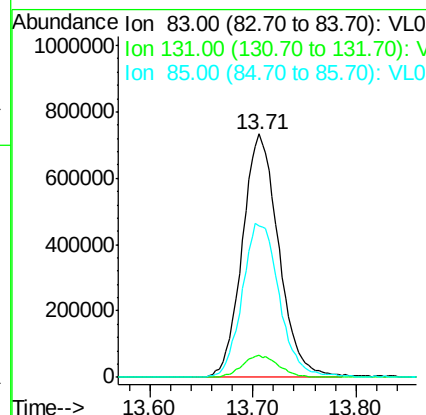
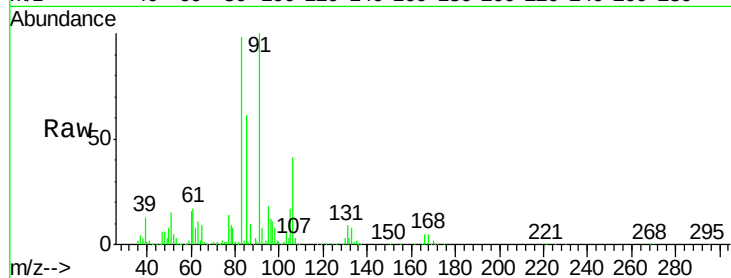
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.580 ppbv
 RT: 13.71 min Scan# 3396
 Delta R.T. 0.04 min
 Lab File: VL036064.D
 Acq: 7 Dec 2020 12:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	83	Resp	1797375
Ion Ratio	100	Lower	Upper
83	100		
131	9.2	4.8	14.4
85	65.0	33.3	99.9

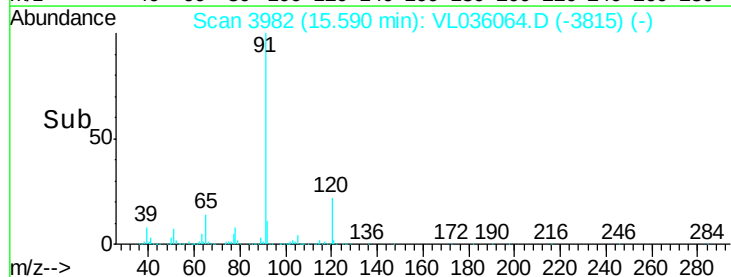
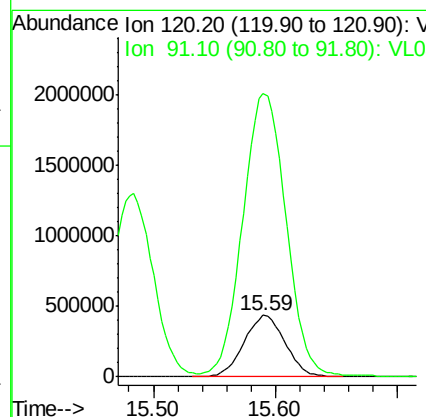
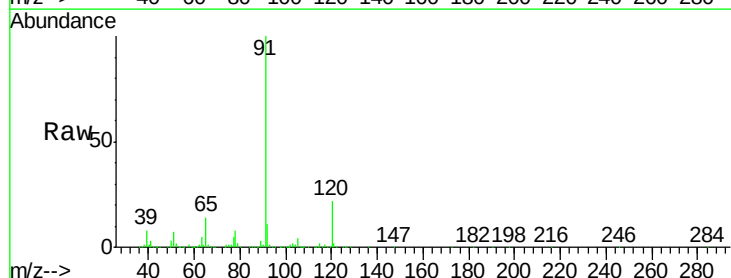
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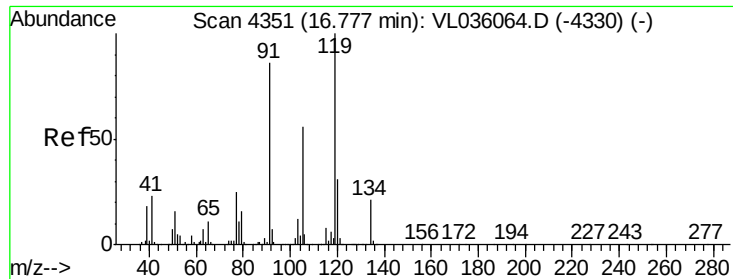
MMDadoda
 12/10/2020 9:53:12 AM



#64
 n-propylbenzene
 Concen: 10.405 ppbv
 RT: 15.59 min Scan# 3982
 Delta R.T. 0.04 min
 Lab File: VL036064.D
 Acq: 7 Dec 2020 12:29

Tgt Ion	120	Resp	1016218
Ion Ratio	100	Lower	Upper
120	100		
91	486.1	331.4	497.2





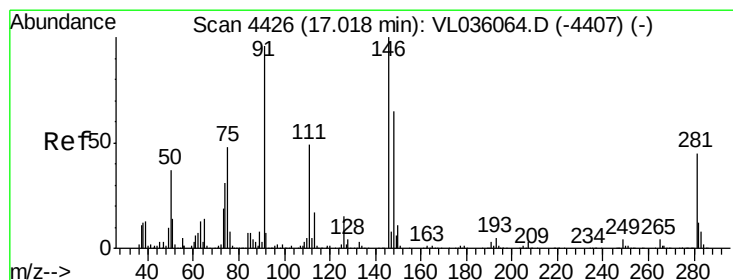
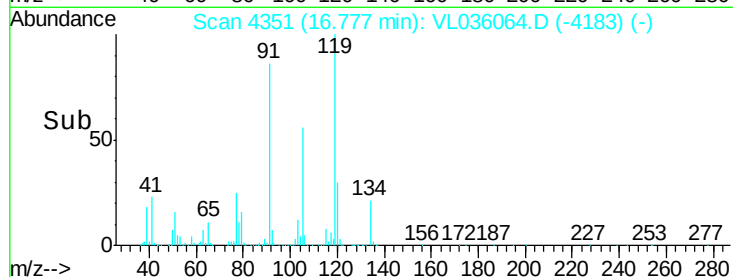
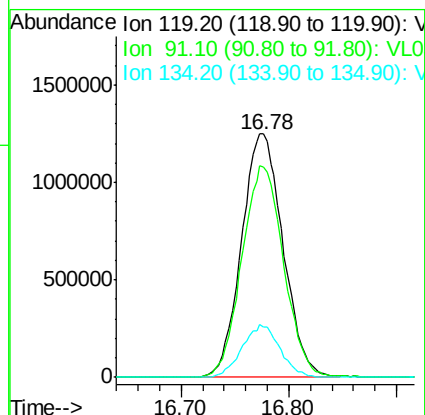
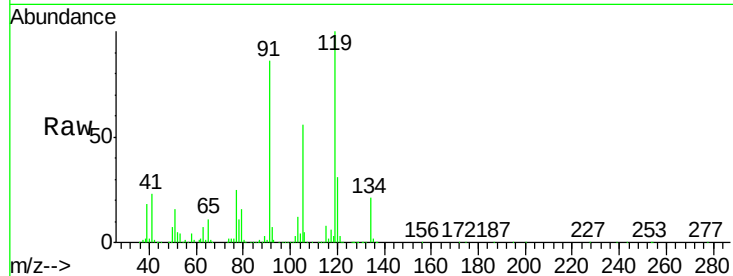
#65
tert-Butylbenzene
Concen: 10.722 ppbv
RT: 16.78 min Scan# 4351
Delta R.T. 0.04 min
Lab File: VL036064.D
Acq: 7 Dec 2020 12:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:119 Resp: 3334607
Ion Ratio Lower Upper
119 100
91 87.7 63.4 95.2
134 19.7 17.1 25.7

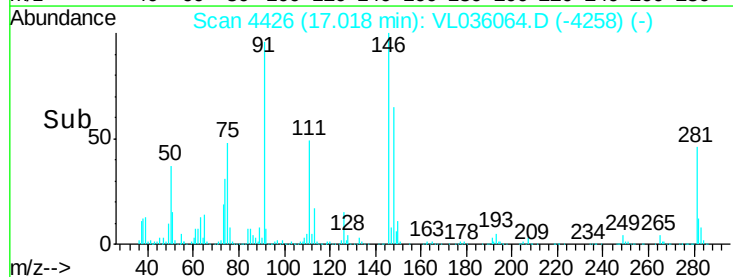
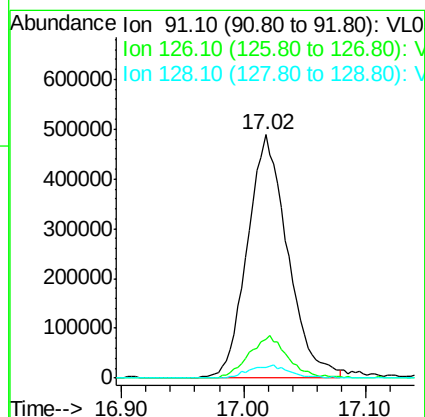
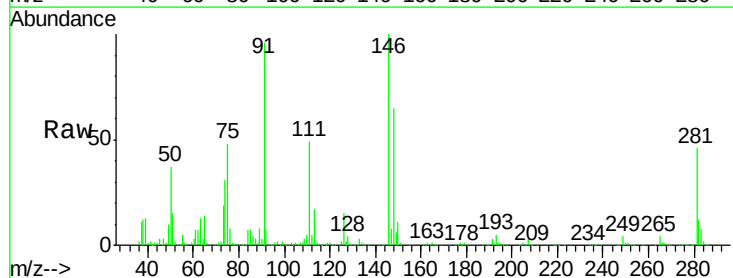
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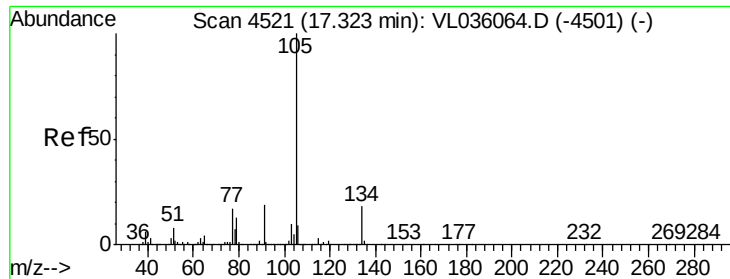
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#66
Benzyl Chloride
Concen: 14.751 ppbv
RT: 17.02 min Scan# 4426
Delta R.T. 0.04 min
Lab File: VL036064.D
Acq: 7 Dec 2020 12:29

Tgt Ion: 91 Resp: 1105002
Ion Ratio Lower Upper
91 100
126 16.9 14.3 21.5
128 5.5 4.7 7.1





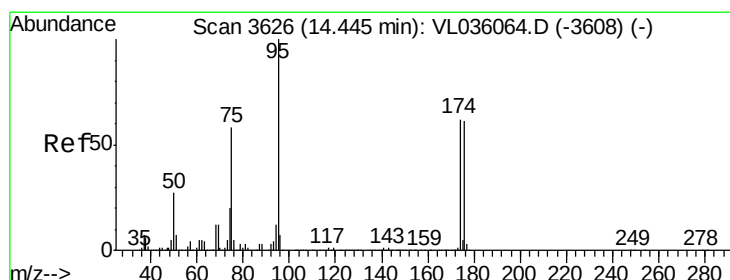
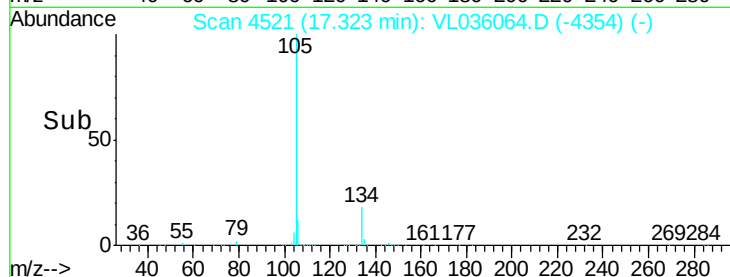
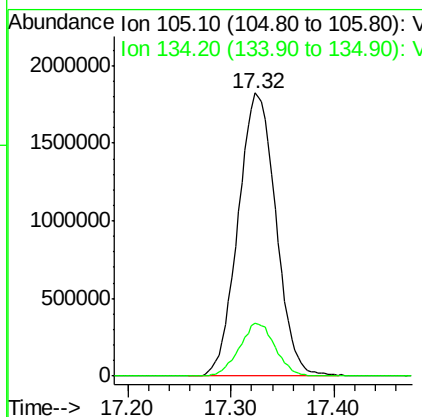
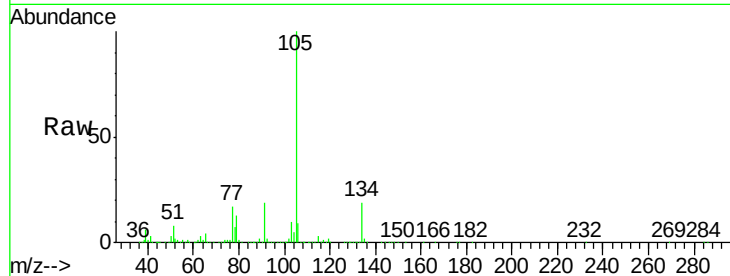
#67
 sec-Butylbenzene
 Concen: 10.929 ppbv
 RT: 17.32 min Scan# 4521
 Delta R.T. 0.04 min
 Lab File: VL036064.D
 Acq: 7 Dec 2020 12:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 105 Resp: 4642657
 Ion Ratio Lower Upper
 105 100
 134 17.8 15.8 23.8

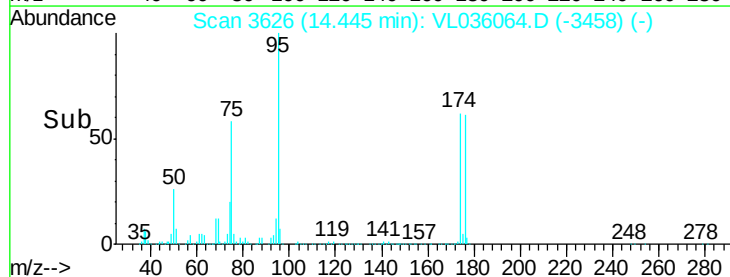
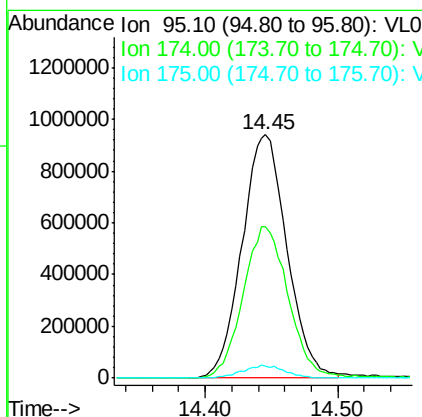
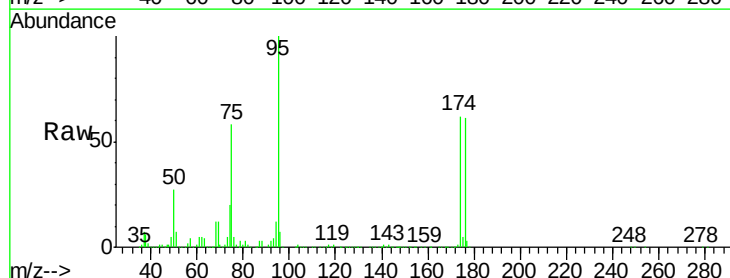
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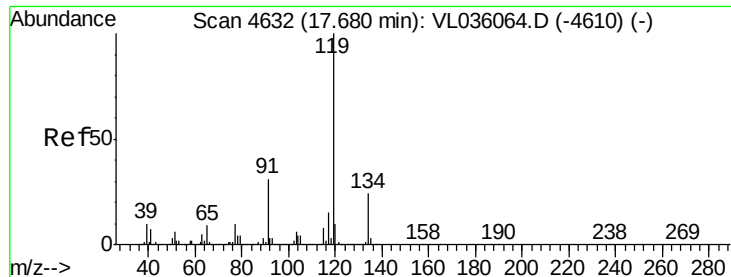
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.513 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. 0.04 min
 Lab File: VL036064.D
 Acq: 7 Dec 2020 12:29

Tgt Ion: 95 Resp: 2206095
 Ion Ratio Lower Upper
 95 100
 174 63.4 54.2 81.2
 175 5.0 3.8 5.8





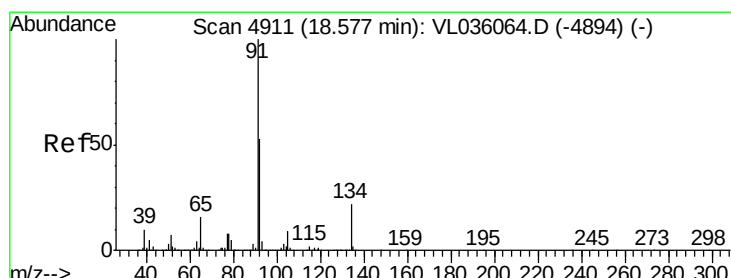
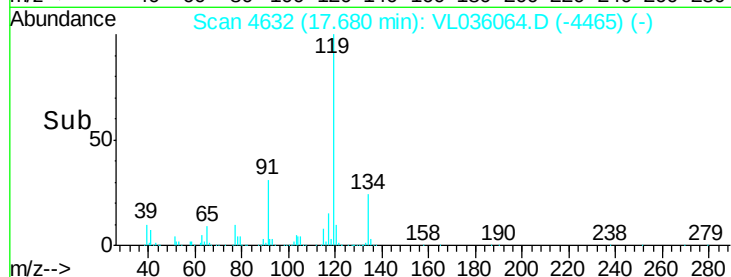
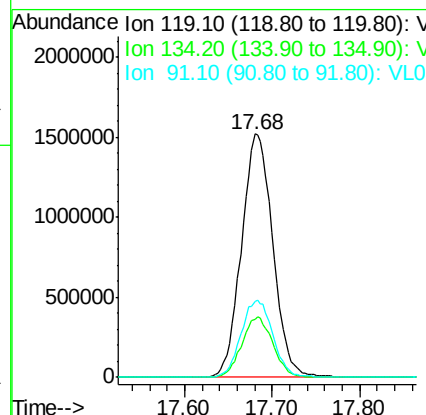
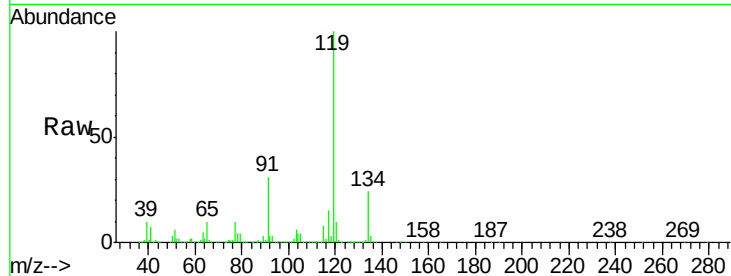
#69
 p-Isopropyltoluene
 Concen: 11.750 ppbv
 RT: 17.68 min Scan# 4632
 Delta R.T. 0.04 min
 Lab File: VL036064.D
 Acq: 7 Dec 2020 12:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.7	22.2	33.2
91	32.2	23.2	34.8

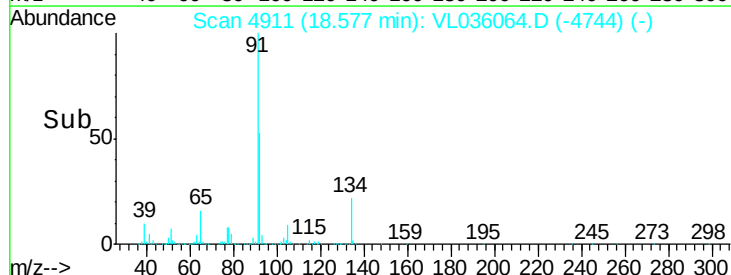
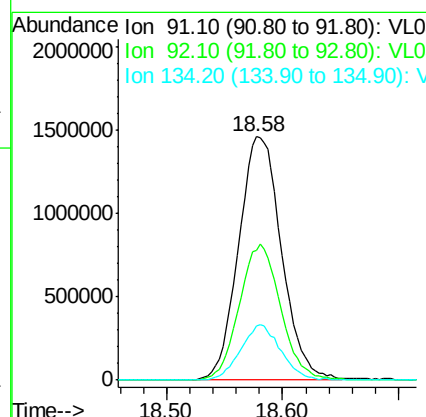
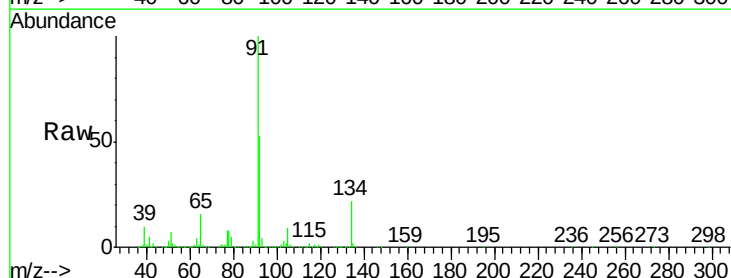
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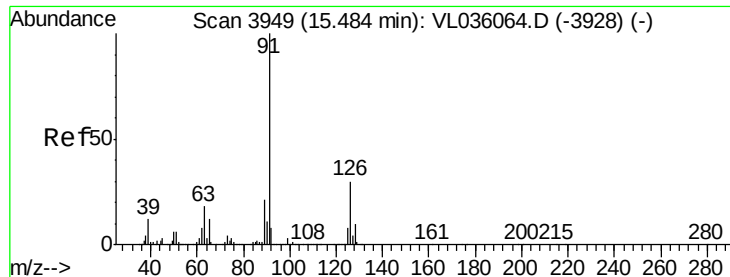
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#70
 n-Butylbenzene
 Concen: 11.791 ppbv
 RT: 18.58 min Scan# 4911
 Delta R.T. 0.04 min
 Lab File: VL036064.D
 Acq: 7 Dec 2020 12:29

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.1	45.2	67.8
134	21.4	19.2	28.8





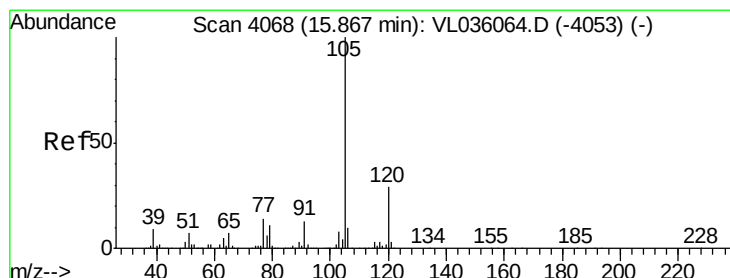
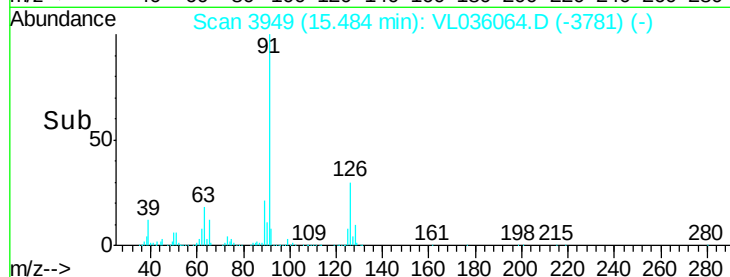
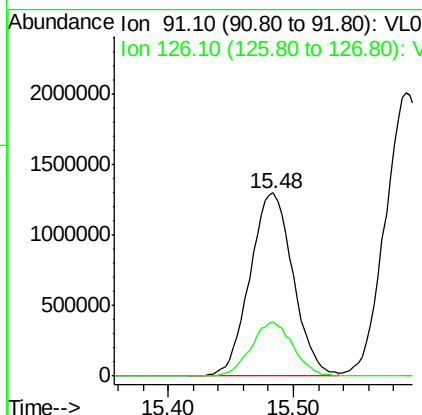
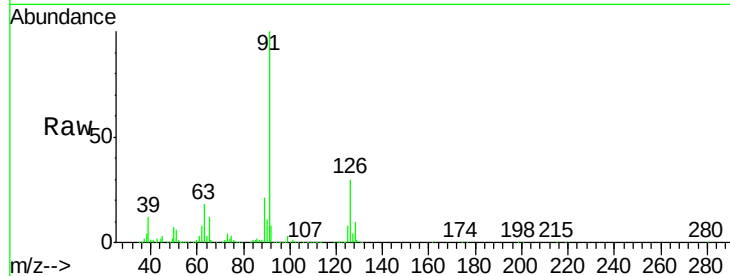
#71
 2-Chlorotoluene
 Concen: 12.180 ppbv
 RT: 15.48 min Scan# 3949
 Delta R.T. 0.04 min
 Lab File: VL036064.D
 Acq: 7 Dec 2020 12:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 91 Resp: 3108324
 Ion Ratio Lower Upper
 91 100
 126 29.0 13.2 53.0

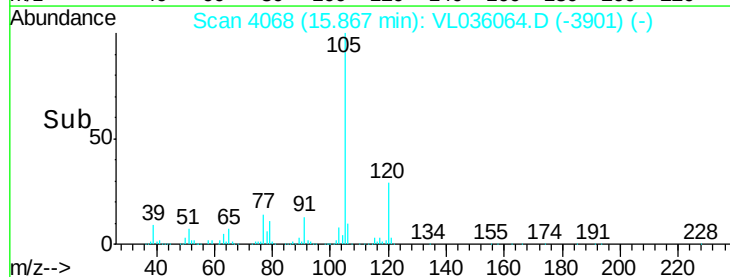
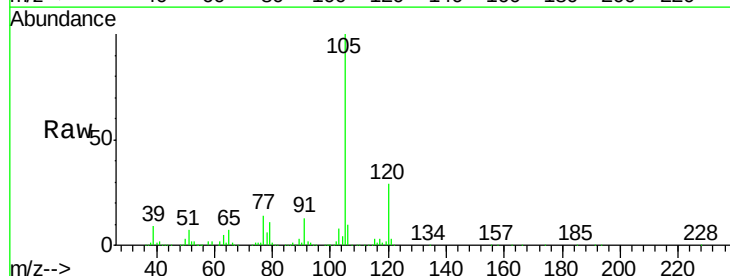
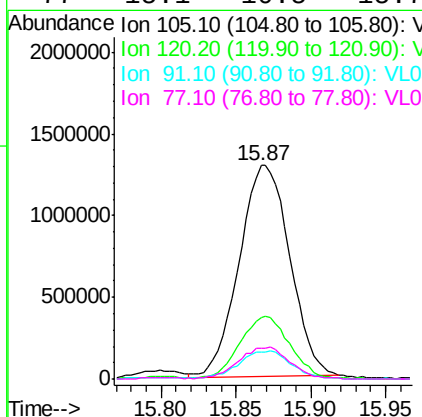
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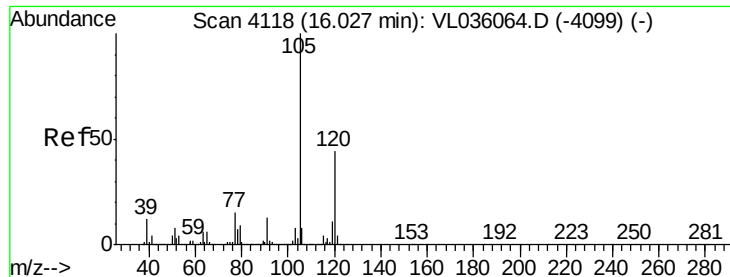
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#72
 4-Ethyltoluene
 Concen: 11.870 ppbv
 RT: 15.87 min Scan# 4068
 Delta R.T. 0.04 min
 Lab File: VL036064.D
 Acq: 7 Dec 2020 12:29

Tgt Ion: 105 Resp: 3054334
 Ion Ratio Lower Upper
 105 100
 120 29.5 25.3 37.9
 91 14.2 10.1 15.1
 77 15.1 10.5 15.7





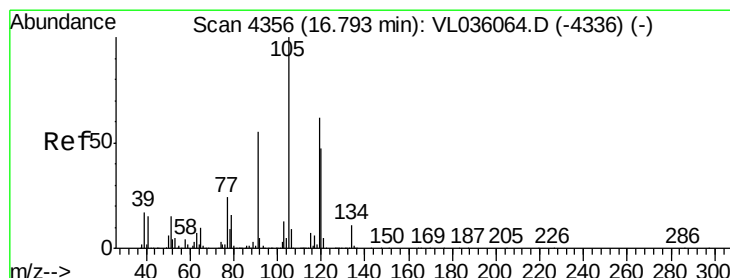
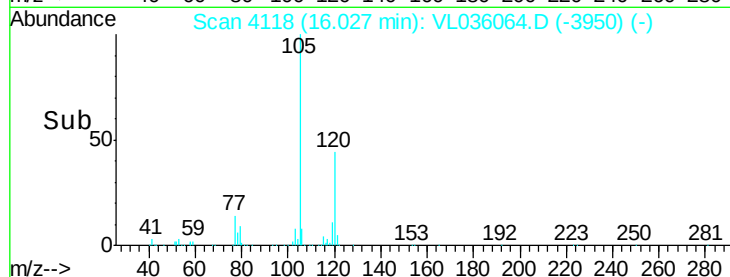
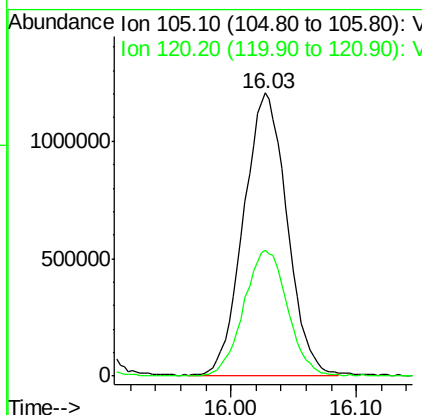
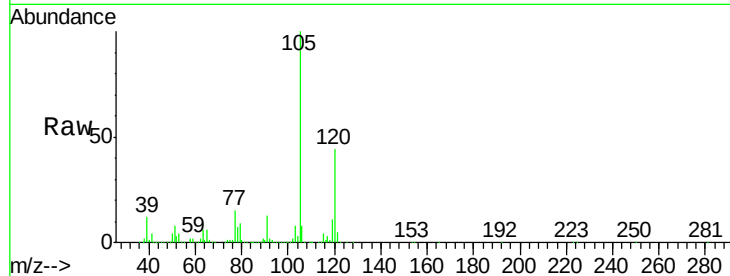
#73
 1,3,5-Trimethylbenzene
 Concen: 11.952 ppbv
 RT: 16.03 min Scan# 4118
 Delta R.T. 0.04 min
 Lab File: VL036064.D
 Acq: 7 Dec 2020 12:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:105 Resp: 2881848
 Ion Ratio Lower Upper
 105 100
 120 44.3 39.8 59.8

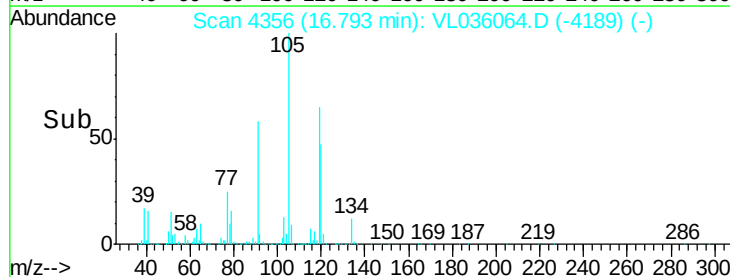
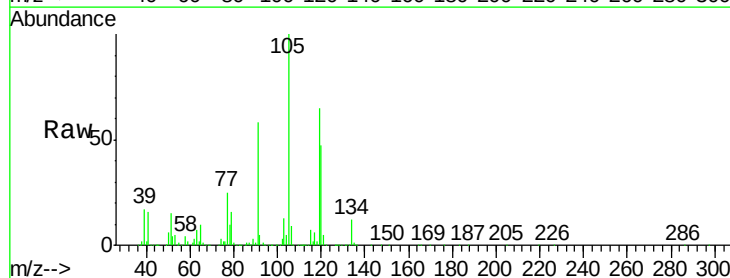
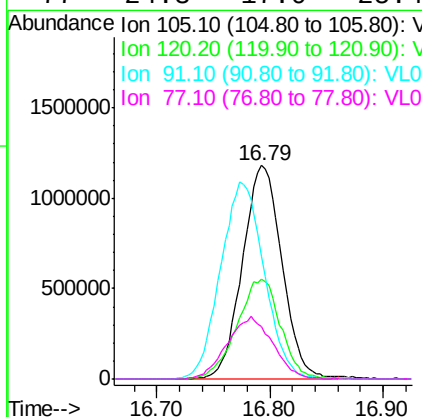
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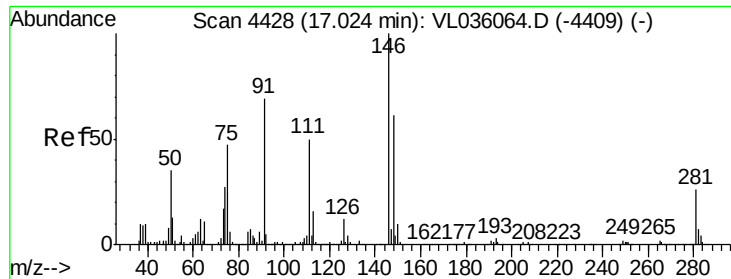
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#74
 1,2,4-Trimethylbenzene
 Concen: 10.649 ppbv
 RT: 16.79 min Scan# 4356
 Delta R.T. 0.04 min
 Lab File: VL036064.D
 Acq: 7 Dec 2020 12:29

Tgt Ion:105 Resp: 2864744
 Ion Ratio Lower Upper
 105 100
 120 46.7 41.5 62.3
 91 57.0 38.1 57.1
 77 24.3 17.0 25.4





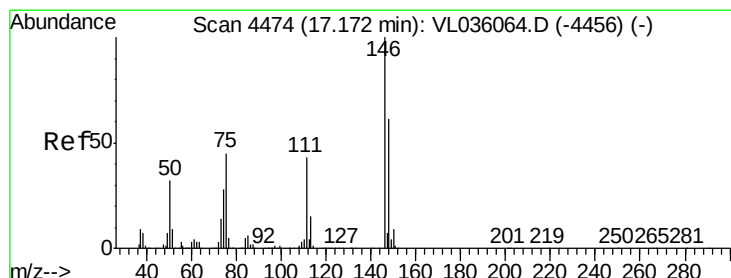
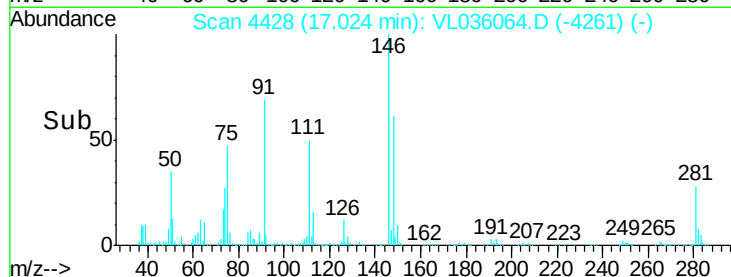
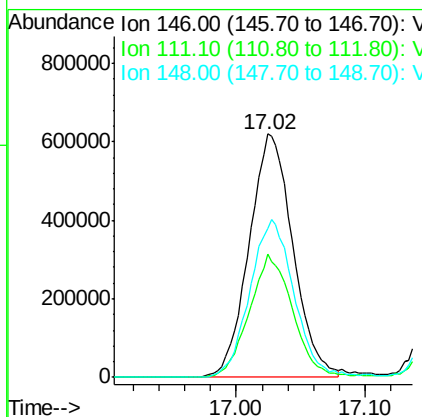
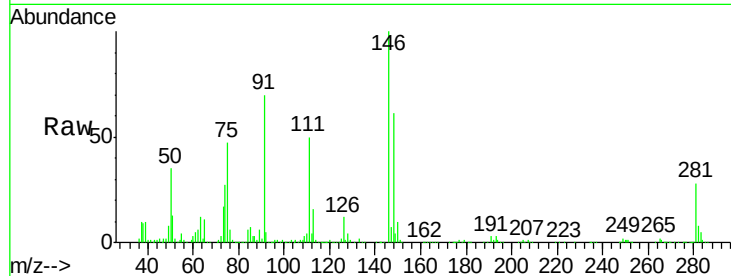
#75
 1,3-Dichlorobenzene
 Concen: 9.031 ppbv
 RT: 17.02 min Scan# 4428
 Delta R.T. 0.04 min
 Lab File: VL036064.D
 Acq: 7 Dec 2020 12:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.2	22.9	68.7
148	65.7	32.4	97.0

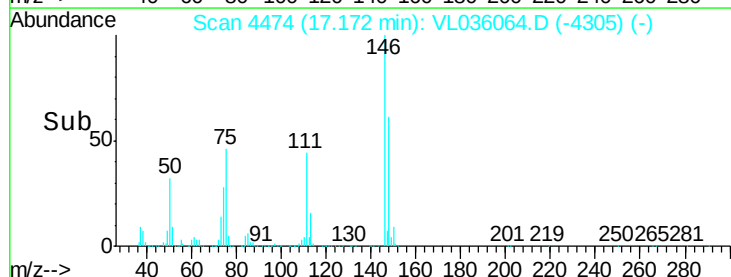
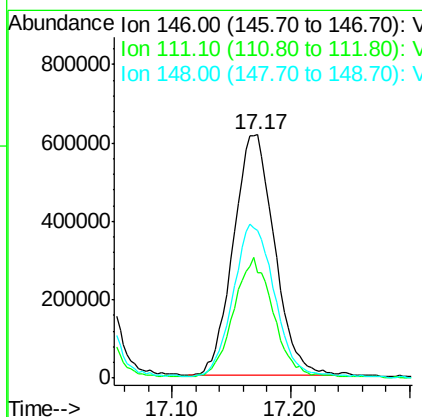
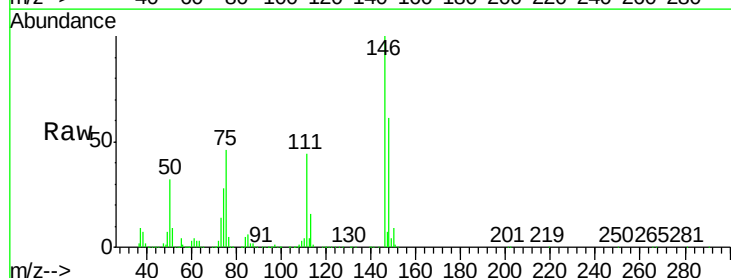
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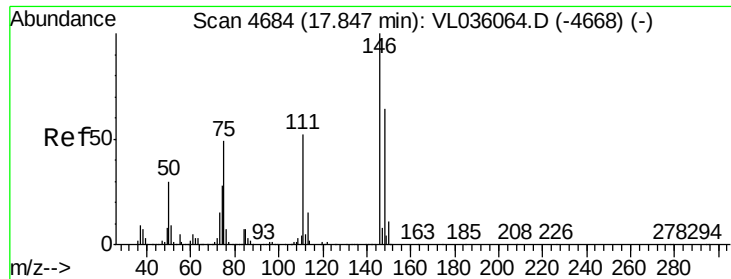
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#76
 1,4-Dichlorobenzene
 Concen: 9.593 ppbv
 RT: 17.17 min Scan# 4474
 Delta R.T. 0.04 min
 Lab File: VL036064.D
 Acq: 7 Dec 2020 12:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.5	22.4	67.2
148	65.5	33.0	98.9





#77

1,2-Dichlorobenzene

Concen: 9.171 ppbv

RT: 17.85 min Scan# 4684

Delta R.T. 0.04 min

Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

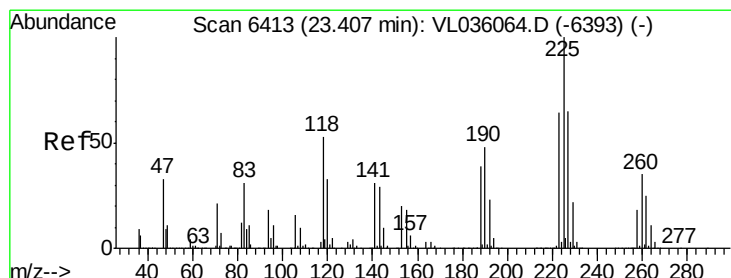
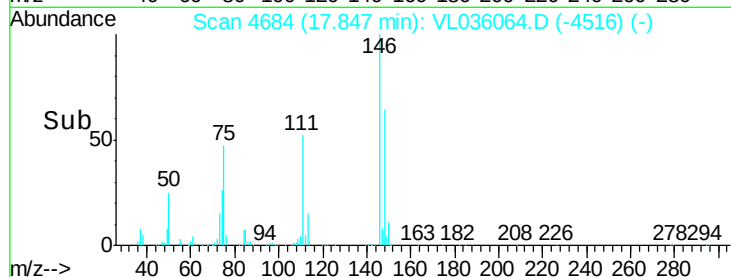
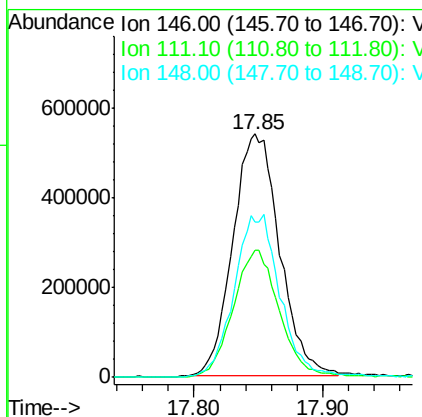
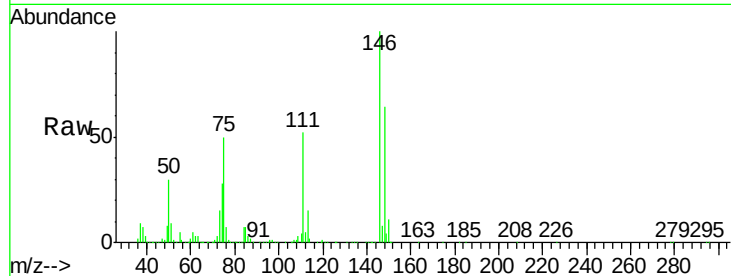
Instrument :
MSVOA_L

ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	52.1	23.5	70.6
148	66.3	32.5	97.5

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#78

Hexachloro-1,3-Butadiene

Concen: 13.128 ppbv

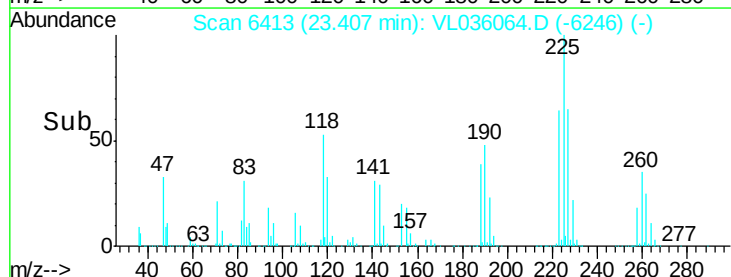
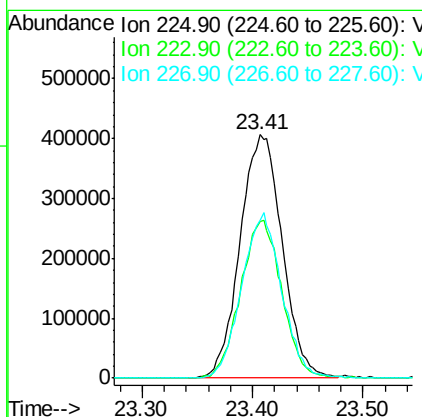
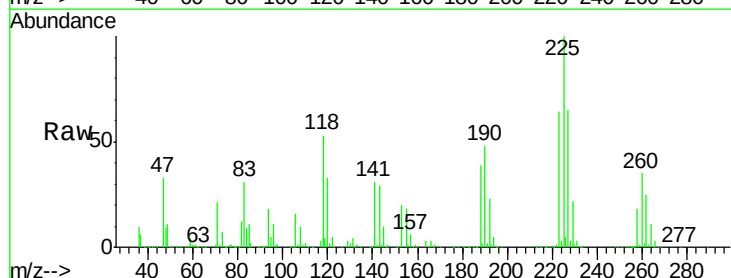
RT: 23.41 min Scan# 6413

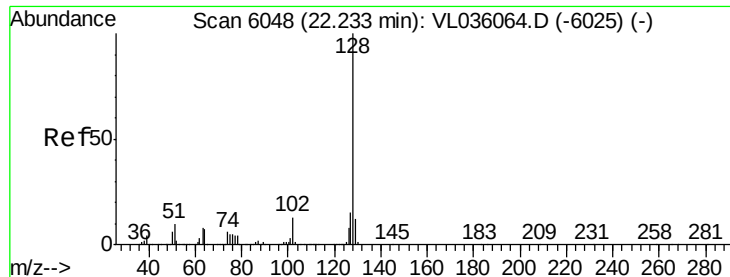
Delta R.T. 0.04 min

Lab File: VL036064.D

Acq: 7 Dec 2020 12:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	51.0	76.4
227	64.6	51.2	76.8





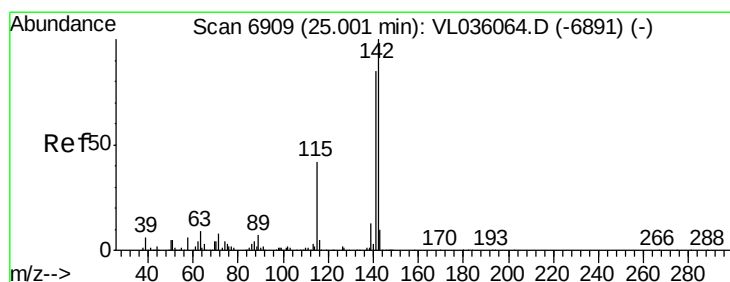
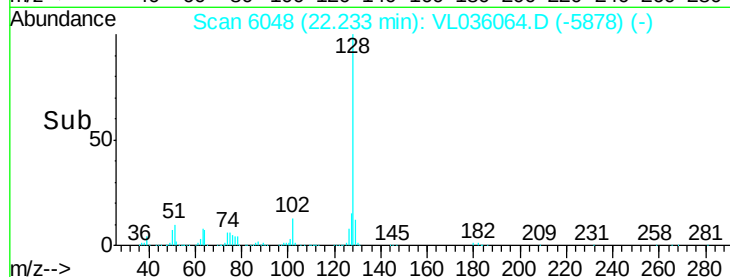
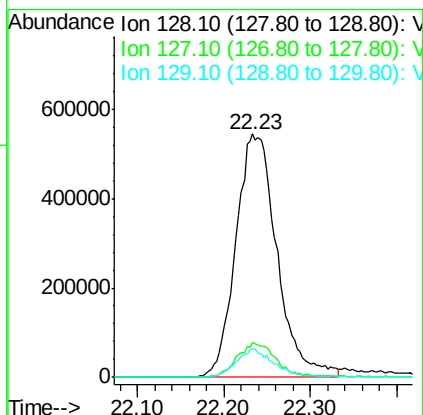
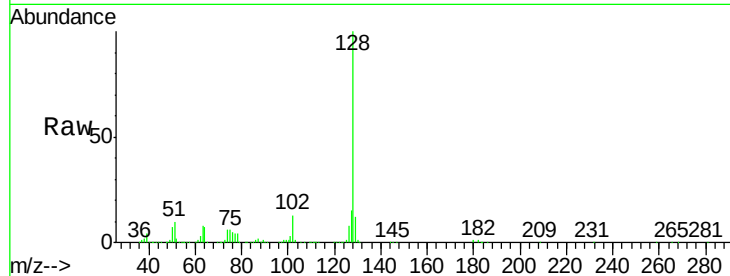
#79
Naphthalene
Concen: 14.353 ppbv m
RT: 22.23 min Scan# 6048
Delta R.T. 0.05 min
Lab File: VL036064.D
Acq: 7 Dec 2020 12:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.3	15.5
129	11.6	9.3	13.9

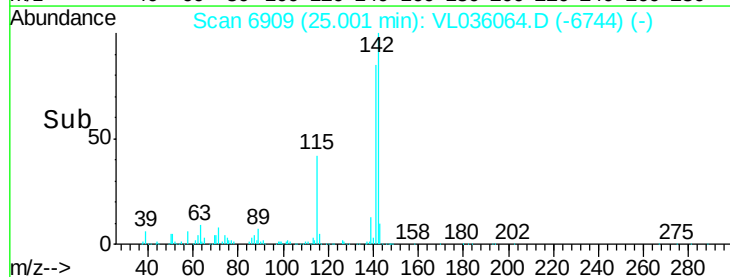
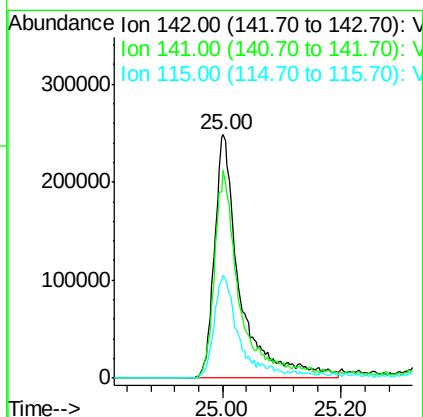
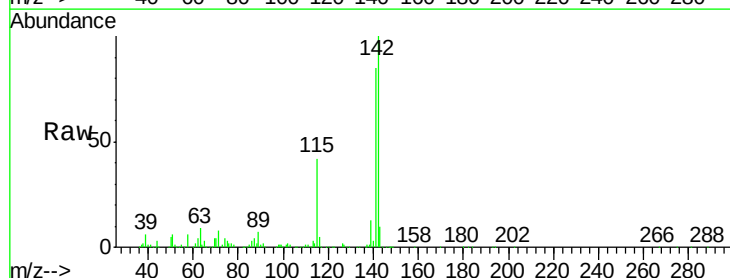
Manual Integrations
APPROVED

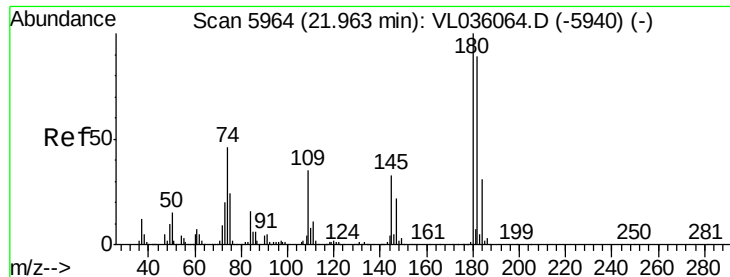
MMDadoda
12/10/2020 9:53:12 AM



#80
Naphthalene, 2-methyl-
Concen: 29.020 ppbv
RT: 25.00 min Scan# 6909
Delta R.T. 0.03 min
Lab File: VL036064.D
Acq: 7 Dec 2020 12:29

Tgt Ion	Ratio	Lower	Upper
142	100		
141	80.4	68.6	103.0
115	42.4	27.9	41.9#





#81
 1,2,4-Trichlorobenzene
 Concen: 12.976 ppbv m
 RT: 21.96 min Scan# 5964
 Delta R.T. 0.05 min
 Lab File: VL036064.D
 Acq: 7 Dec 2020 12:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	78.5	117.7#
184	0.0	25.0	37.6#

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:53:12 AM

