

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061621\
 Data File : VL037173.D
 Acq On : 16 Jun 2021 16:40
 Operator : SY/AP
 Sample : VL0616ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0616ABS01

Manual Integrations
 APPROVED

MMDadoda
 6/17/2021 5:37:34 PM

Quant Time: Jun 17 02:08:20 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 17 02:08:20 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1475134	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4389856	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4267236m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3189707	9.86	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	2405180	9.375	ppbv 98
3) Chlorodifluoromethane	2.99	51	2602531	9.073	ppbv 100
4) Chloromethane	3.14	50	869036	9.091	ppbv 98
5) Vinyl Chloride	3.26	62	957782	9.116	ppbv 99
6) Bromomethane	3.47	94	584042	9.318	ppbv 99
7) Chloroethane	3.56	64	348540	9.281	ppbv 98
8) Dichlorotetrafluoroethane	3.19	85	2464351	9.364	ppbv 99
9) Propene	3.01	41	819313	8.933	ppbv 100
10) Heptane	8.13	43	2127345	9.577	ppbv 100
11) Trichlorofluoromethane	3.95	101	2549765	9.314	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1786480	9.258	ppbv 98
13) Ethanol	3.62	45	122985m	8.669	ppbv
14) Bromoethene	3.74	108	761628	9.457	ppbv 99
15) Acetone	3.85	43	1289874	7.754	ppbv 96
16) 1,3-Butadiene	3.33	39	948716	9.647	ppbv 99
17) tert-Butyl alcohol	4.29	59	1535529	9.988	ppbv 100
18) 1,1-Dichloroethene	4.29	96	818051	9.567	ppbv 99
19) Isopropyl Alcohol	3.97	45	923262	9.164	ppbv # 98
20) Methylene Chloride	4.35	84	703354	7.063	ppbv 96
21) Allyl Chloride	4.41	41	1179536	9.407	ppbv 97
22) trans-1,2-Dichloroethene	4.89	96	798001	9.431	ppbv 97
23) Vinyl Acetate	5.08	43	2337440	9.800	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1775163	9.244	ppbv 99
25) Ethyl Acetate	5.68	43	3398475	9.437	ppbv 99
26) Hexane	5.69	57	1627085	8.939	ppbv 98
27) Carbon Disulfide	4.56	76	1856760	10.412	ppbv 99
28) Methyl tert-Butyl Ether	5.04	73	2025769	9.258	ppbv 100
29) Chloroform	5.76	83	2675818	9.517	ppbv 95
30) Cyclohexane	7.14	84	1420038	9.364	ppbv 98
31) cis-1,2-Dichloroethene	5.56	61	1620787	9.691	ppbv 100
32) 1,1,1-Trichloroethane	6.52	97	2770052	9.207	ppbv 100
34) 2-Butanone	5.25	43	1582435	9.269	ppbv 99
35) Carbon Tetrachloride	7.02	117	2976833	10.110	ppbv 99
36) Benzene	6.90	78	3340919	9.412	ppbv 98
37) 1,2-Dichloroethane	6.31	62	2015232	9.773	ppbv 99
38) Trichloroethene	7.84	130	1440953	8.540	ppbv 98
39) 1,2-Dichloropropane	7.62	63	1282124	9.720	ppbv 99
40) 1,4-Dioxane	7.84	88	308087	8.517	ppbv 62
41) Tetrahydrofuran	6.06	42	779909	9.835	ppbv 98
42) Bromodichloromethane	7.80	83	2860934	10.057	ppbv 98
43) Methyl Methacrylate	8.02	69	1236934	10.090	ppbv 100

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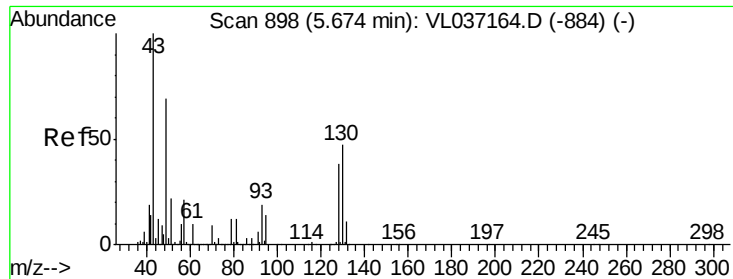
Manual Integrations
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 6/17/2021 5:37:34 PM

Quant Time: Jun 17 02:08:20 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 17 02:08:20 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5532555	9.256	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1241277	11.476	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1589048	10.740	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1431980	9.516	ppbv	98
48) Dibromochloromethane	10.31	129	2599730	10.944	ppbv	100
49) Bromoform	13.05	173	2119843	11.978	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2343809	9.995	ppbv	99
51) 2-Hexanone	10.15	43	1148379	10.065	ppbv #	97
52) Tetrachloroethene	11.23	164	1395947	8.463	ppbv	98
53) Toluene	9.82	91	4040236	9.528	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2137764	9.885	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1752230	9.392	ppbv	99
57) Chlorobenzene	12.16	112	3104837	8.972	ppbv	98
58) Ethyl Benzene	12.72	91	5390384	9.176	ppbv	100
59) m/p-Xylene	13.01	91	9113391m	18.307	ppbv	
60) o-Xylene	13.70	91	4326090	9.126	ppbv	100
61) Styrene	13.54	104	2480189	10.138	ppbv	98
62) Isopropylbenzene	14.68	105	6080208	9.020	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2891614	9.162	ppbv	99
64) n-propylbenzene	15.57	120	1623447	9.617	ppbv	97
65) tert-Butylbenzene	16.76	119	5552131	9.287	ppbv	100
66) Benzyl Chloride	17.00	91	253845	10.020	ppbv	99
67) sec-Butylbenzene	17.30	105	7400893	9.284	ppbv	100
69) p-Isopropyltoluene	17.66	119	6457994	9.591	ppbv	100
70) n-Butylbenzene	18.56	91	6084318	9.763	ppbv	100
71) 2-Chlorotoluene	15.46	91	4436126	9.413	ppbv	100
72) 4-Ethyltoluene	15.85	105	5179868	9.619	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	4771806	9.167	ppbv	97
74) 1,2,4-Trimethylbenzene	16.77	105	5069130	9.451	ppbv	96
75) 1,3-Dichlorobenzene	17.01	146	3116358	9.556	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	3023944	9.284	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2997537	9.502	ppbv	100
78) Hexachloro-1,3-Butadiene	23.39	225	2021039	7.451	ppbv	99
79) Naphthalene	22.21	128	3962689	8.861	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	960287	8.188	ppbv	98
81) 1,2,4-Trichlorobenzene	21.94	180	2197587	8.516	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.00 min

Lab File: VL037173.D

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Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

Tot Ion: 49 Resp: 1475134

Ion Ratio Lower Upper

49 100

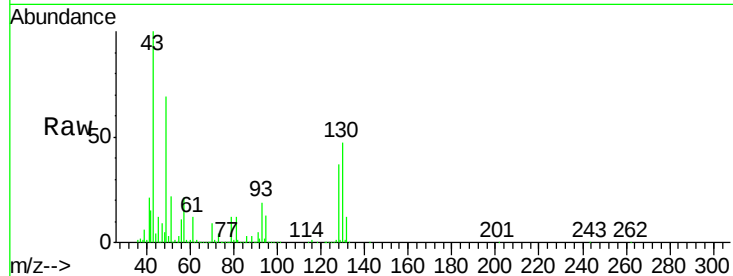
128 59.2 29.3 88.0

130 72.7 35.9 107.8

Manual Integrations
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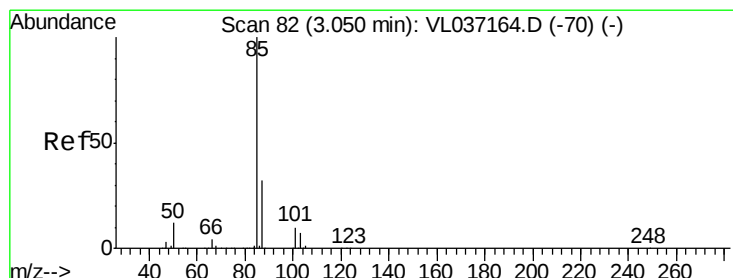
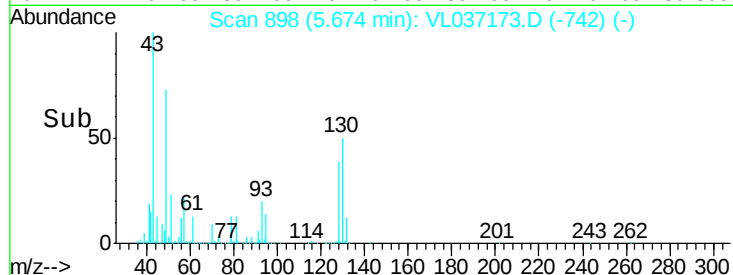
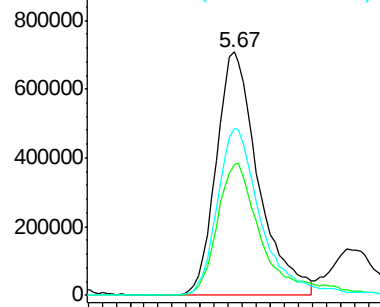
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.375 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL037173.D

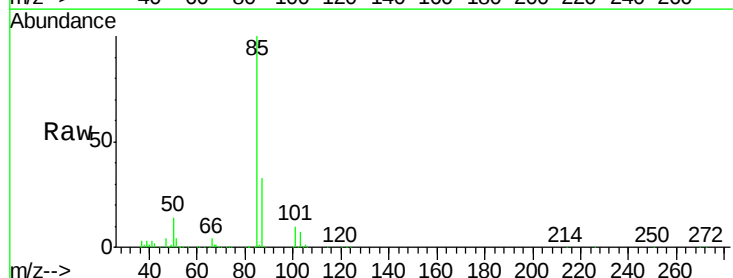
Acq: 16 Jun 2021 16:40

Tgt Ion: 85 Resp: 2405180

Ion Ratio Lower Upper

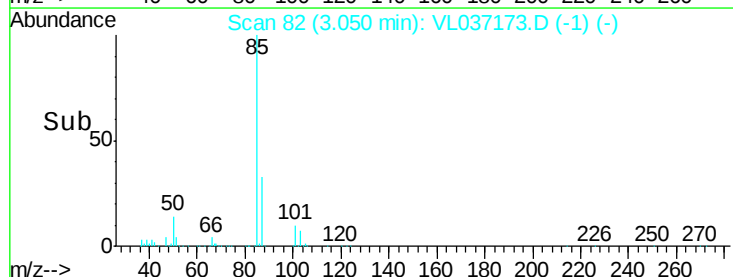
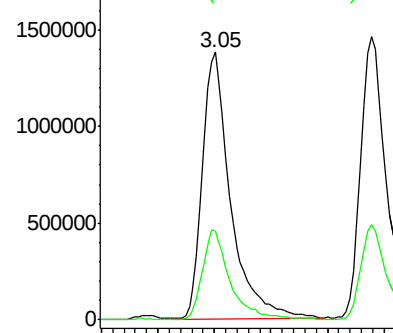
85 100

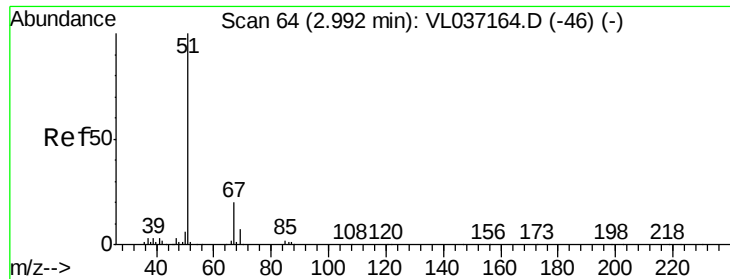
87 33.1 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.073 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Tot Ion: 51 Resp: 2602531

Ion Ratio Lower Upper

51 100

67 19.7 15.8 23.6

Instrument :

MSVOA_L

ClientSampleId :

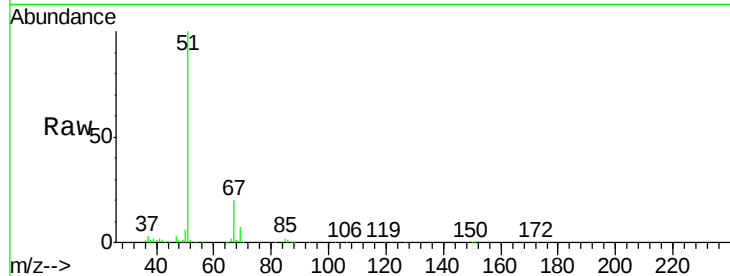
VL0616ABS01

Manual Integrations

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.99

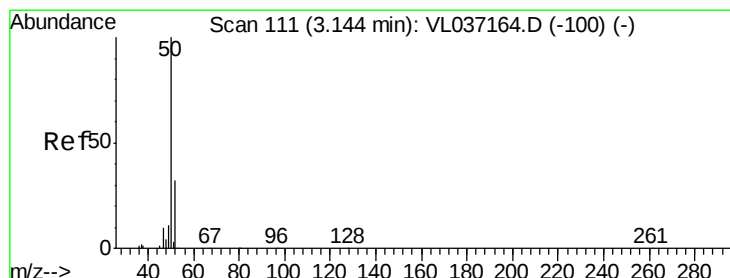
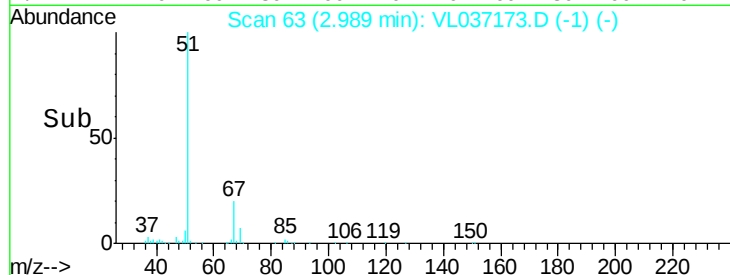
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1000000

500000

0

Time-->



#4

Chloromethane

Concen: 9.091 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL037173.D

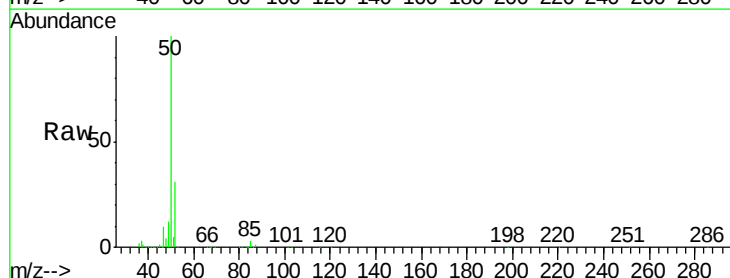
Acq: 16 Jun 2021 16:40

Tgt Ion: 50 Resp: 869036

Ion Ratio Lower Upper

50 100

52 31.4 25.8 38.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.14

600000

500000

400000

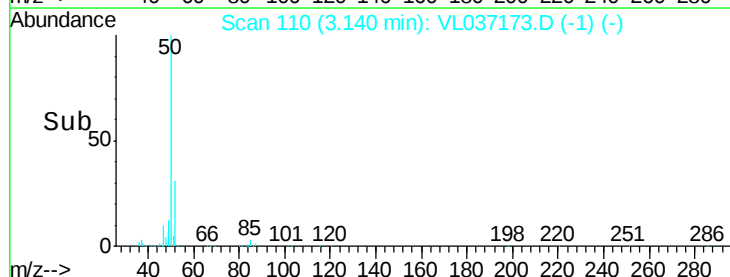
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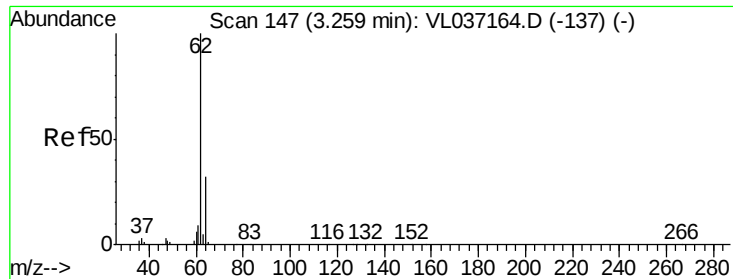
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 9.116 ppbv

RT: 3.26 min Scan# 147

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

Tot Ion: 62 Resp: 957782

Ion Ratio Lower Upper

62 100

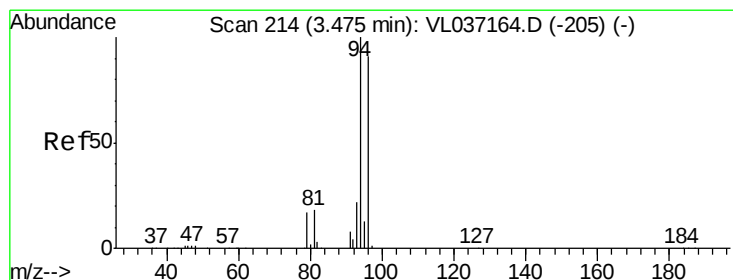
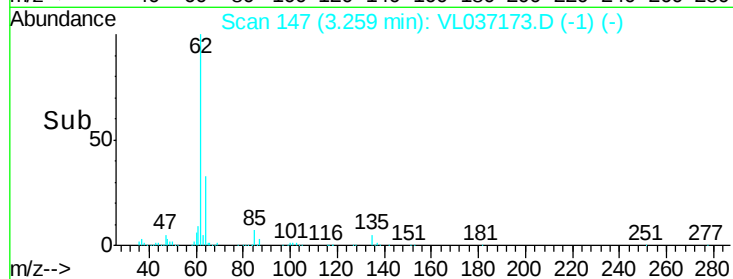
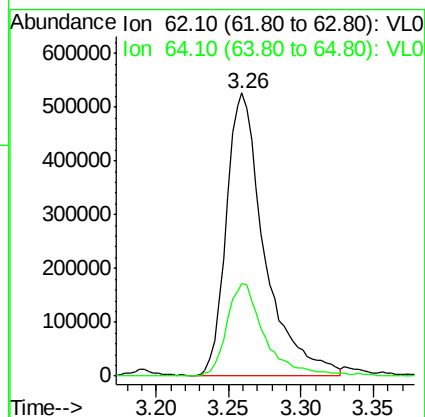
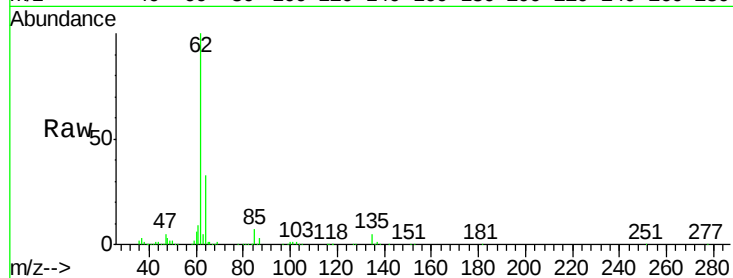
64 32.7 25.6 38.4

Manual Integrations

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#6

Bromomethane

Concen: 9.318 ppbv

RT: 3.47 min Scan# 214

Delta R.T. -0.00 min

Lab File: VL037173.D

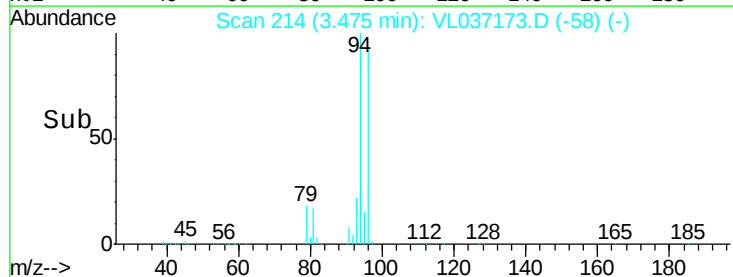
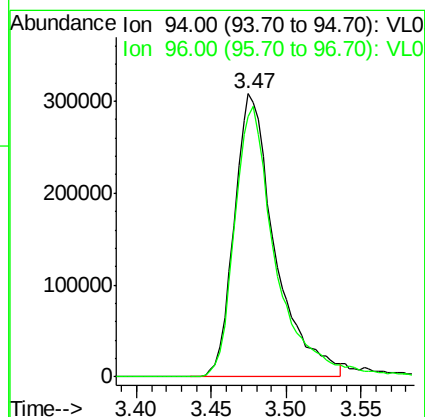
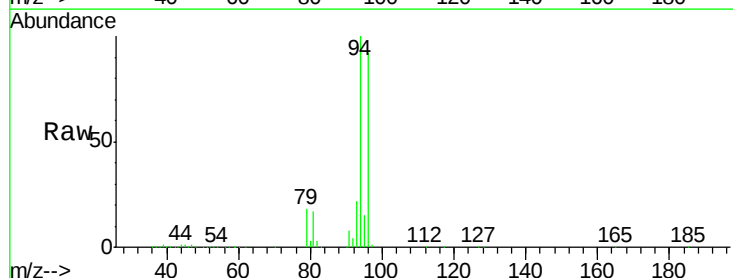
Acq: 16 Jun 2021 16:40

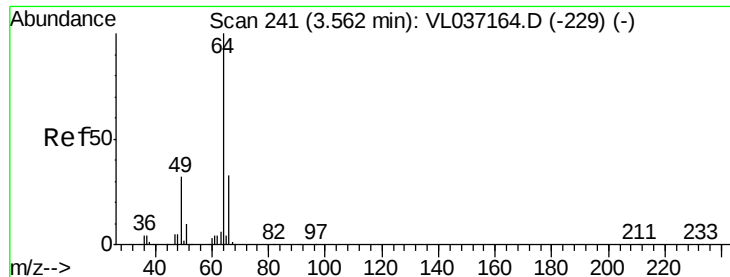
Tgt Ion: 94 Resp: 584042

Ion Ratio Lower Upper

94 100

96 92.1 72.6 108.8





#7

Chloroethane

Concen: 9.281 ppbv

RT: 3.56 min Scan# 240

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

Tot Ion: 64 Resp: 348540

Ion Ratio Lower Upper

64 100

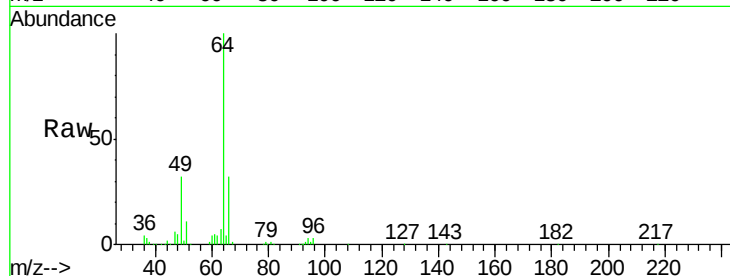
66 31.9 26.2 39.4

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

200000

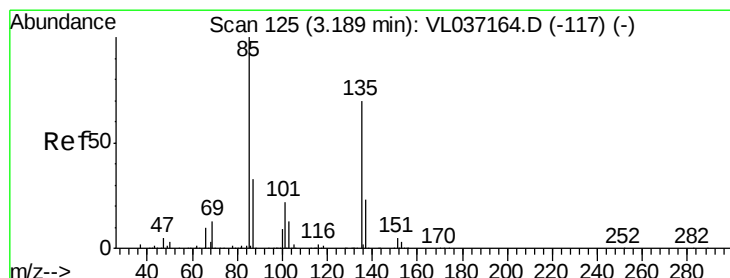
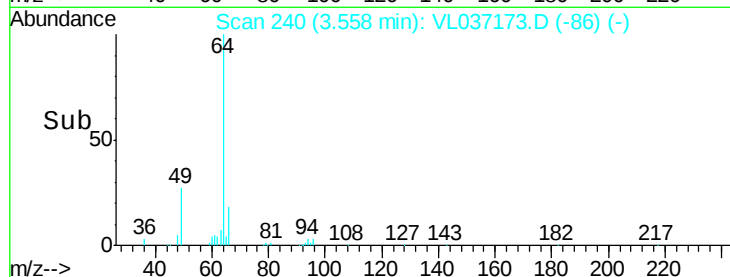
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.364 ppbv

RT: 3.19 min Scan# 125

Delta R.T. -0.00 min

Lab File: VL037173.D

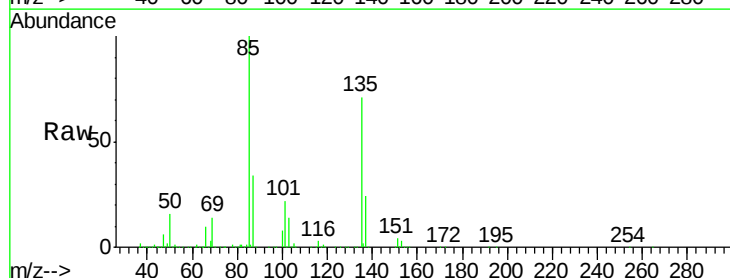
Acq: 16 Jun 2021 16:40

Tgt Ion: 85 Resp: 2464351

Ion Ratio Lower Upper

85 100

135 74.3 60.4 90.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.19

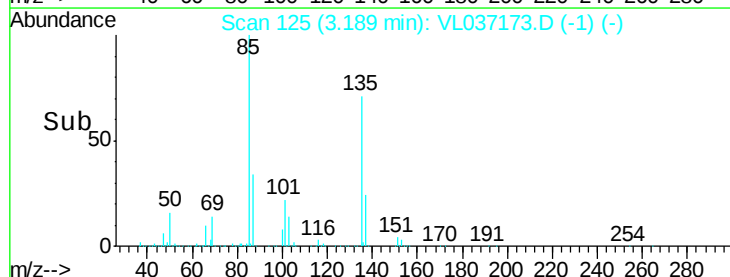
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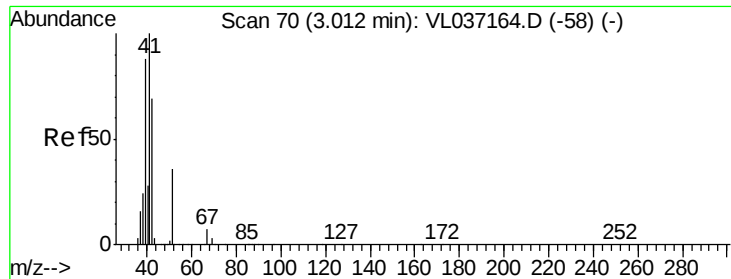
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Time-->





#9

Propene

Concen: 8.933 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

Tot Ion: 41 Resp: 819313

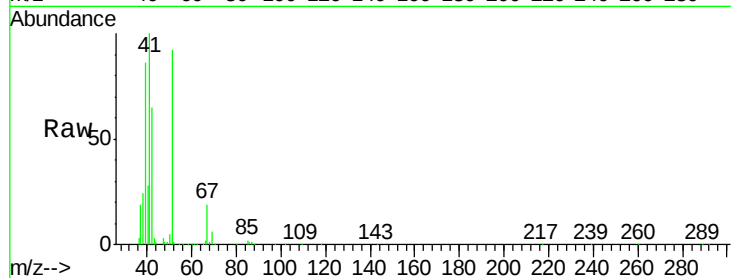
Ion Ratio Lower Upper

41 100

42 68.4 54.5 81.7

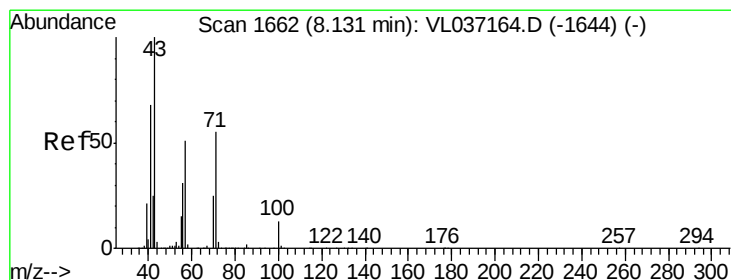
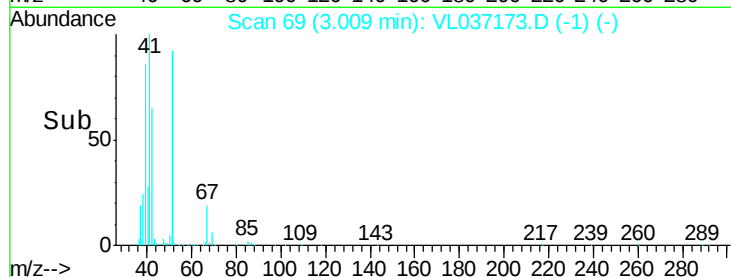
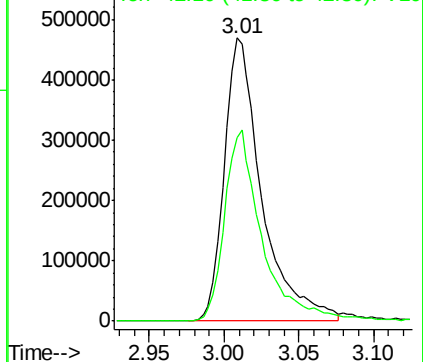
Manual Integrations
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.577 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VL037173.D

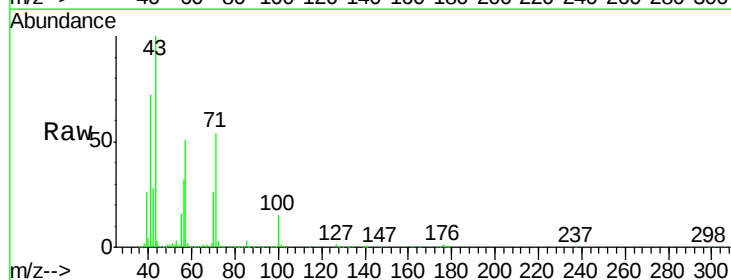
Acq: 16 Jun 2021 16:40

Tgt Ion: 43 Resp: 2127345

Ion Ratio Lower Upper

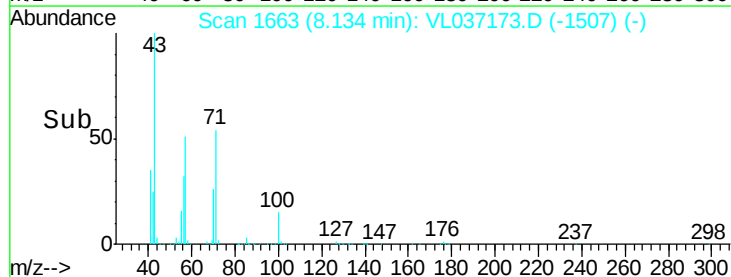
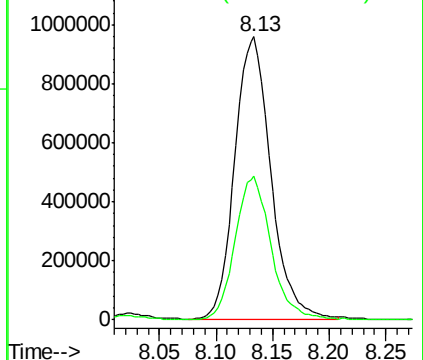
43 100

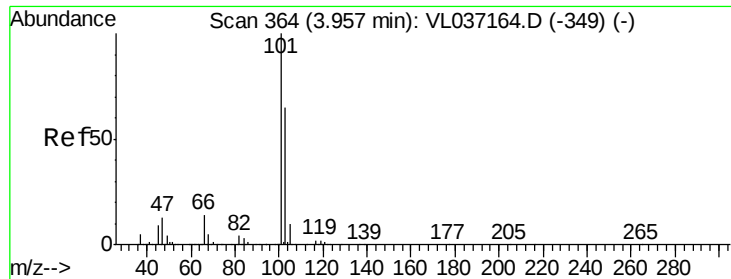
57 50.6 40.6 61.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





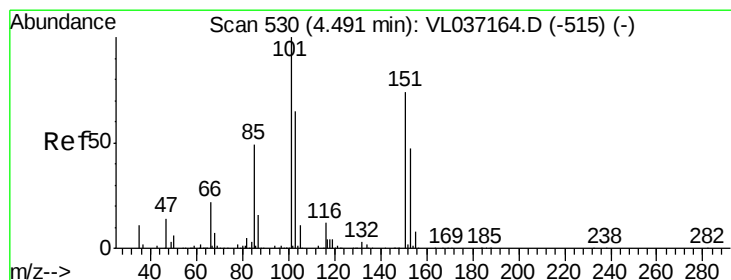
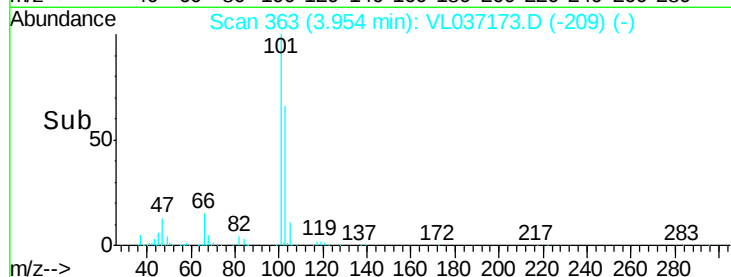
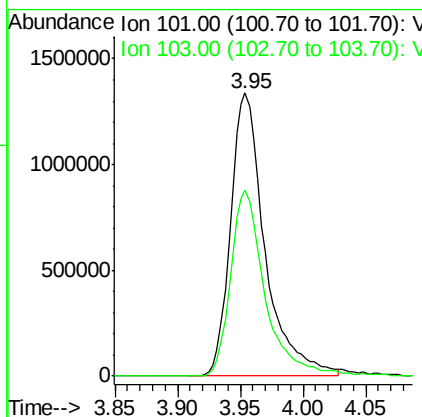
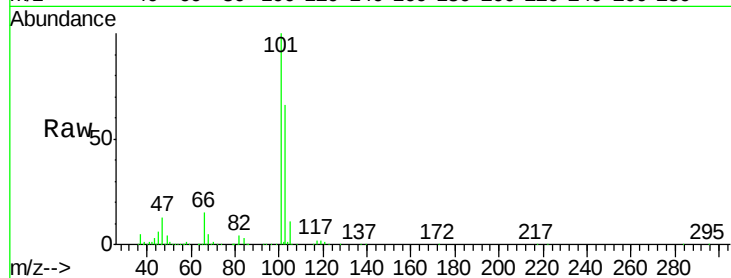
#11
 Trichlorofluoromethane
 Concen: 9.314 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0616ABS01

Tot Ion:101 Resp: 2549765
 Ion Ratio Lower Upper
 101 100
 103 66.0 52.2 78.4

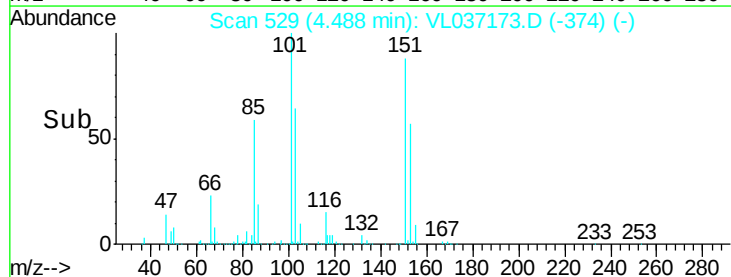
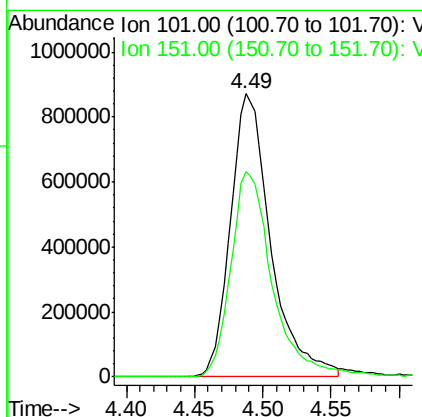
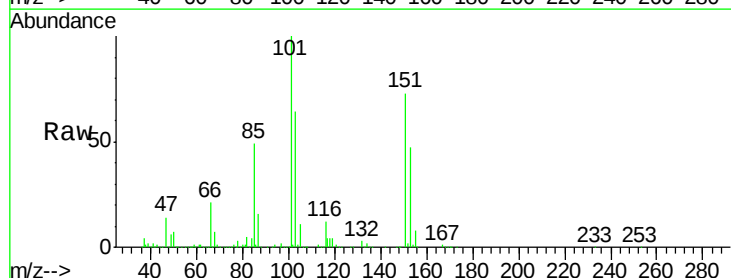
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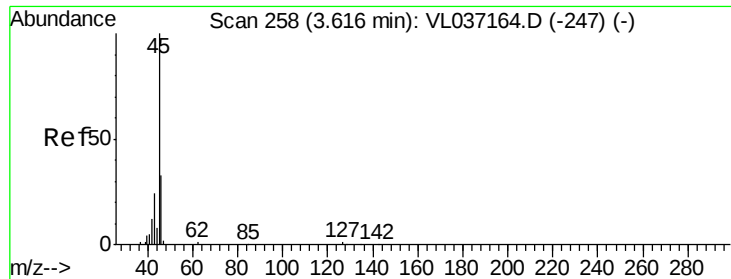
MMDadoda
 6/17/2021 5:37:34 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.258 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

Tgt Ion:101 Resp: 1786480
 Ion Ratio Lower Upper
 101 100
 151 75.6 59.1 88.7





#13

Ethanol

Concen: 8.669 ppbv m

RT: 3.62 min Scan# 259

Delta R.T. 0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

Tot Ion: 45 Resp: 122985

Ion Ratio Lower Upper

45 100

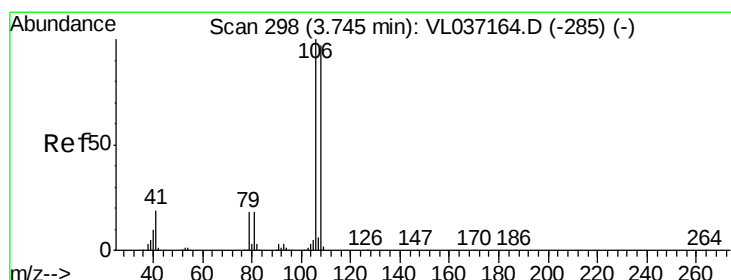
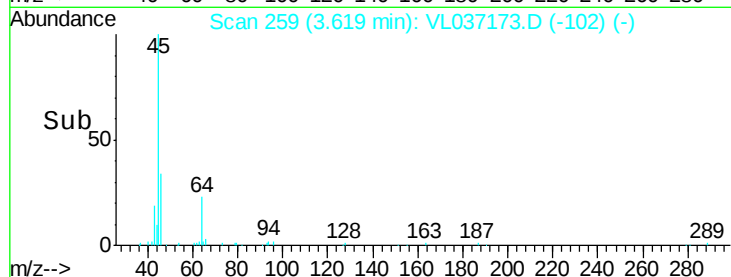
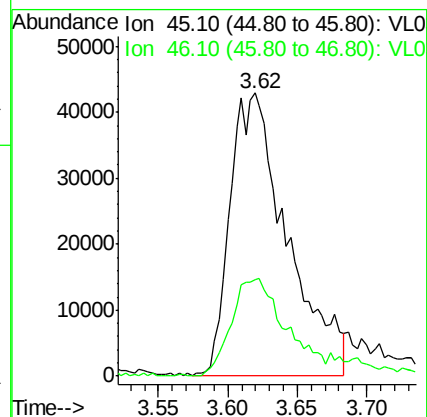
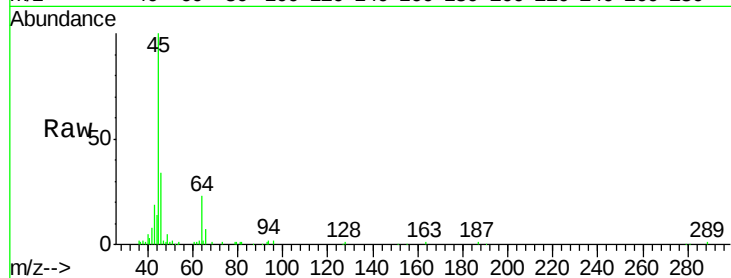
46 39.5 34.2 137.0

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#14

Bromoethene

Concen: 9.457 ppbv

RT: 3.74 min Scan# 297

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

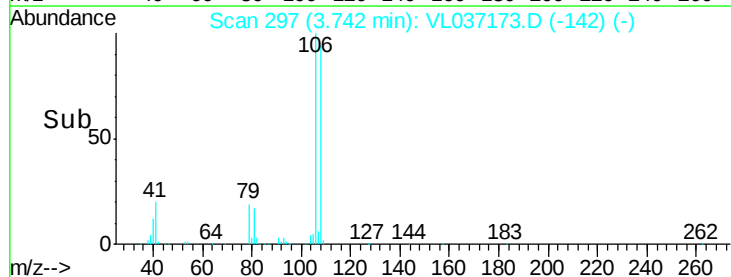
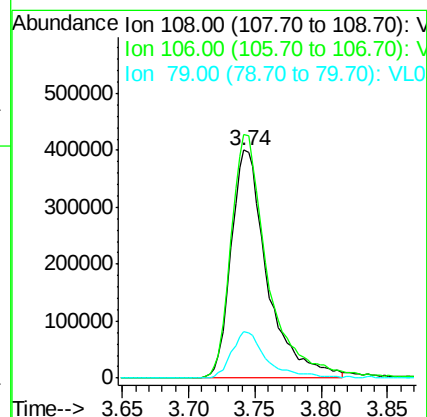
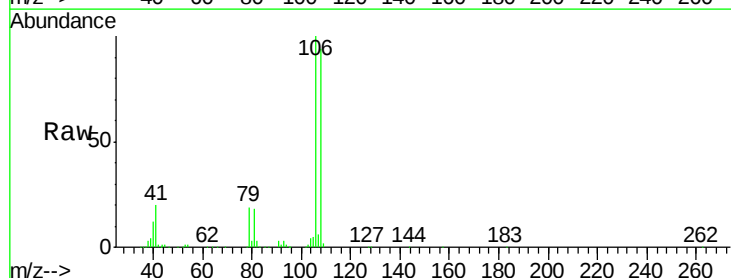
Tgt Ion: 108 Resp: 761628

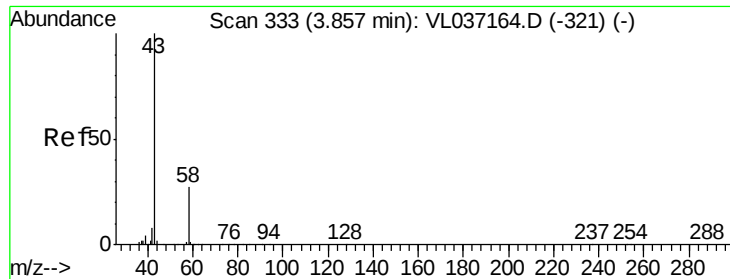
Ion Ratio Lower Upper

108 100

106 109.9 86.8 130.2

79 20.0 15.6 23.4





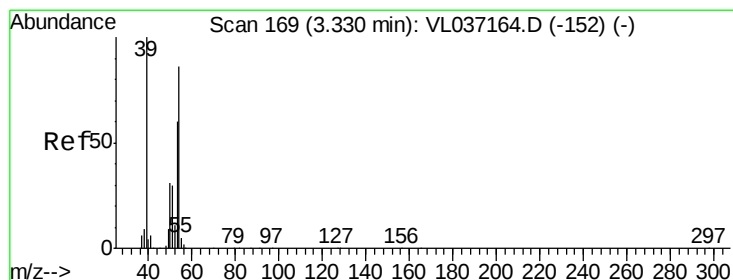
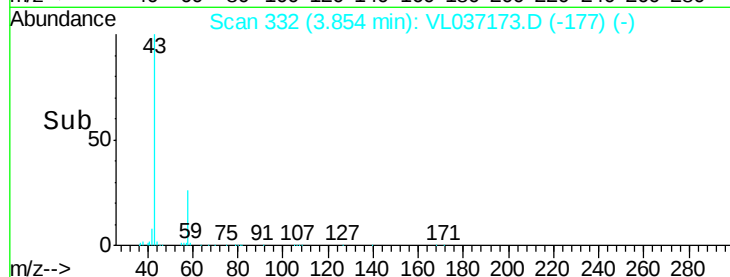
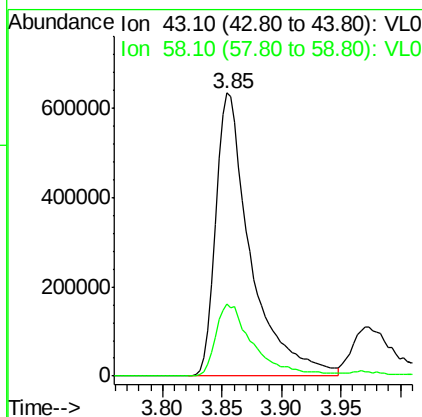
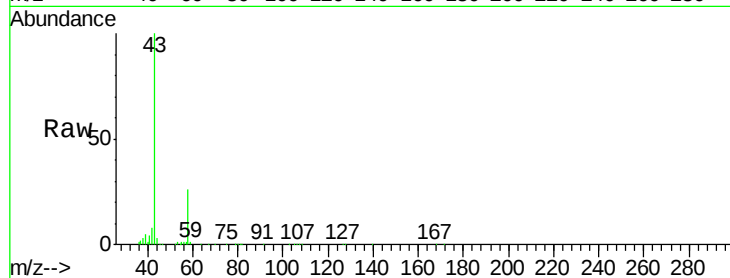
#15
Acetone
Concen: 7.754 ppbv
RT: 3.85 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tot Ion: 43 Resp: 1289874
Ion Ratio Lower Upper
43 100
58 27.5 23.7 35.5

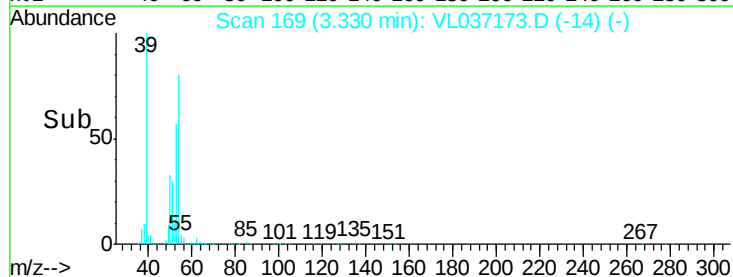
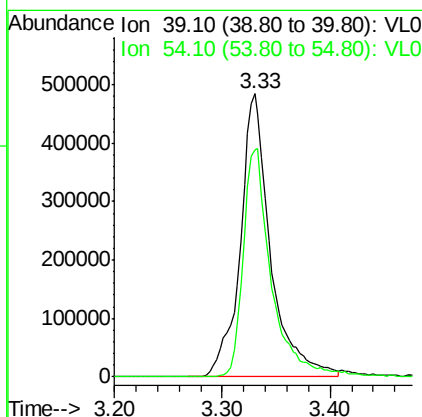
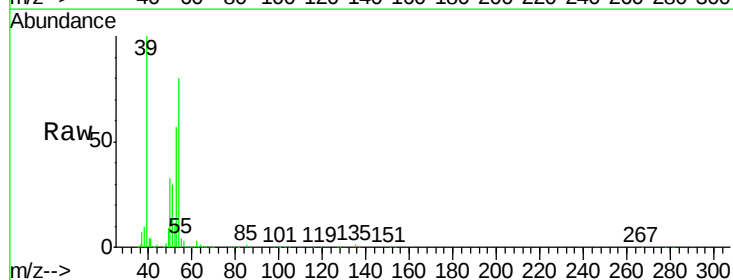
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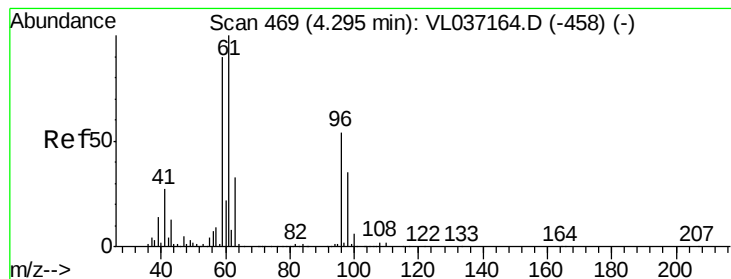
MMDadoda
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#16
1,3-Butadiene
Concen: 9.647 ppbv
RT: 3.33 min Scan# 169
Delta R.T. -0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Tgt Ion: 39 Resp: 948716
Ion Ratio Lower Upper
39 100
54 75.7 61.2 91.8





#17

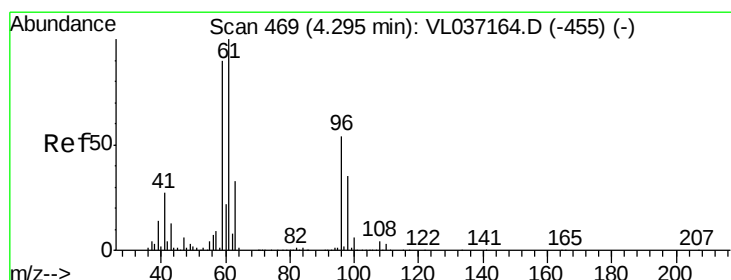
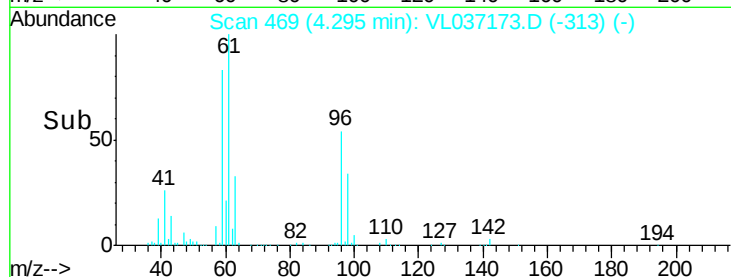
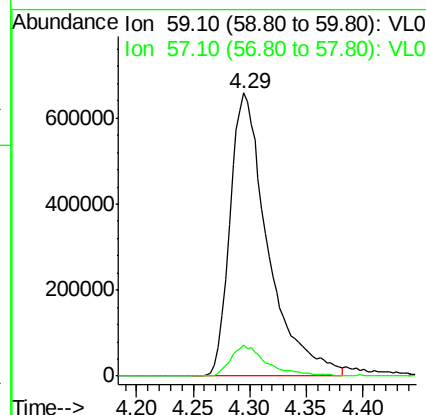
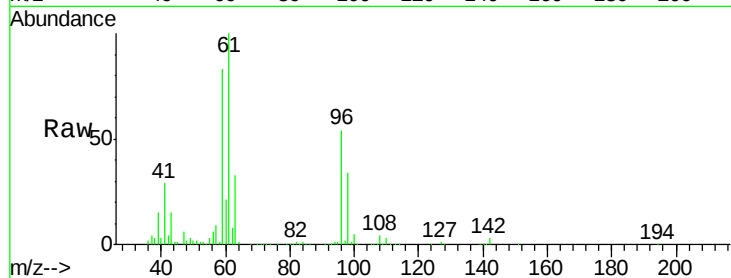
tert-Butyl alcohol
Concen: 9.988 ppbv
RT: 4.29 min Scan# 469
Delta R.T. -0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tot Ion: 59 Resp: 153529
Ion Ratio Lower Upper
59 100
57 11.0 8.8 13.2

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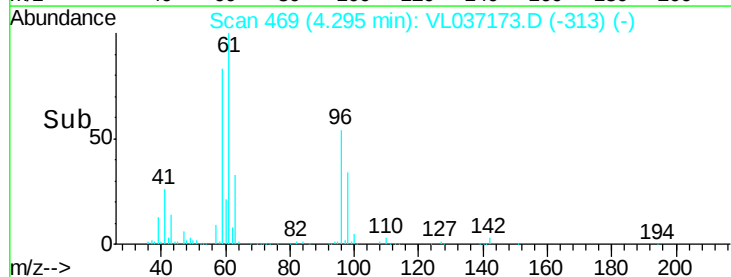
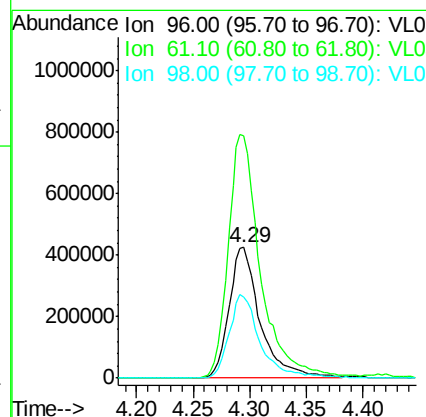
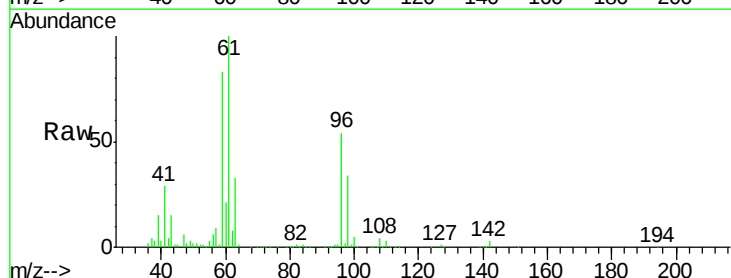
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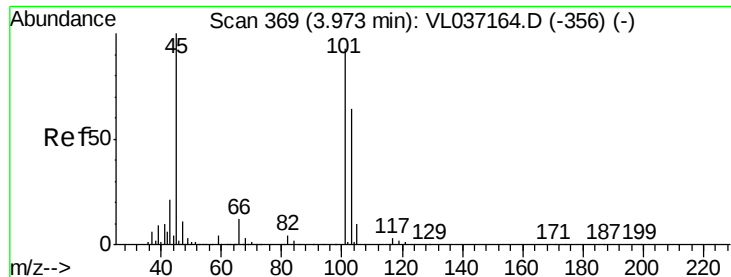


#18

1,1-Dichloroethene
Concen: 9.567 ppbv
RT: 4.29 min Scan# 469
Delta R.T. -0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Tgt Ion: 96 Resp: 818051
Ion Ratio Lower Upper
96 100
61 185.5 148.6 222.8
98 62.4 51.9 77.9





#19

Isopropyl Alcohol

Concen: 9.164 ppbv

RT: 3.97 min Scan# 368

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

Tot Ion: 45 Resp: 923262

Ion Ratio Lower Upper

45 100

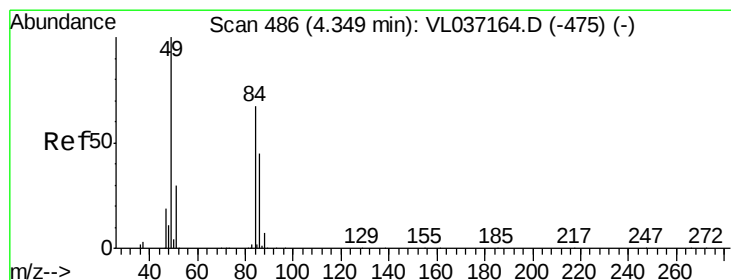
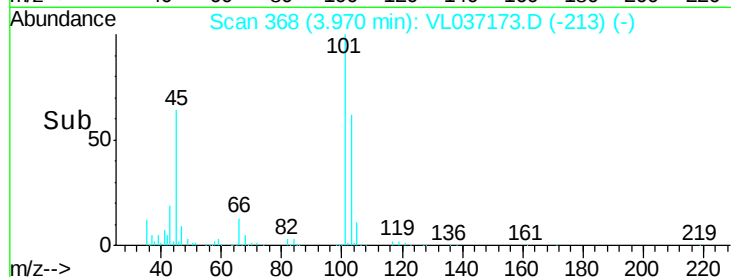
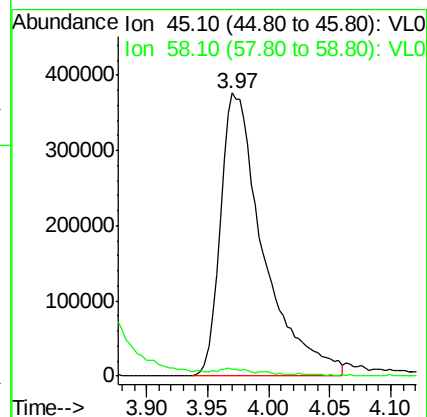
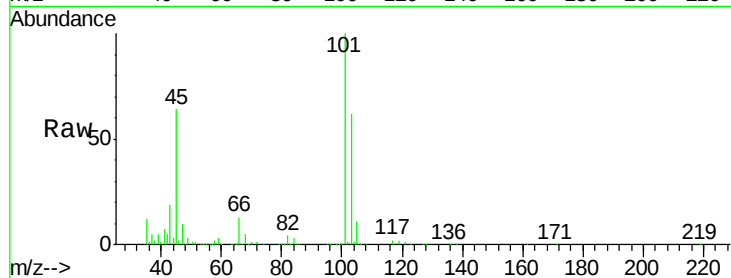
58 2.3 2.4 3.6#

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#20

Methylene Chloride

Concen: 7.063 ppbv

RT: 4.35 min Scan# 485

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Tgt Ion: 84 Resp: 703354

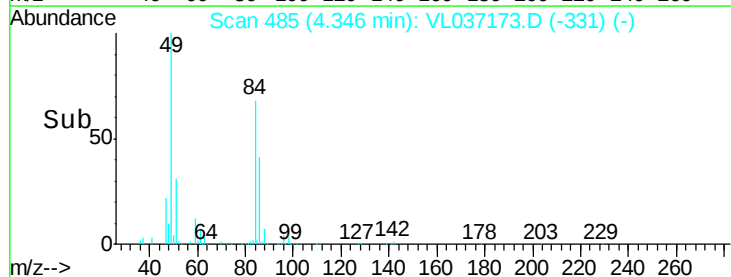
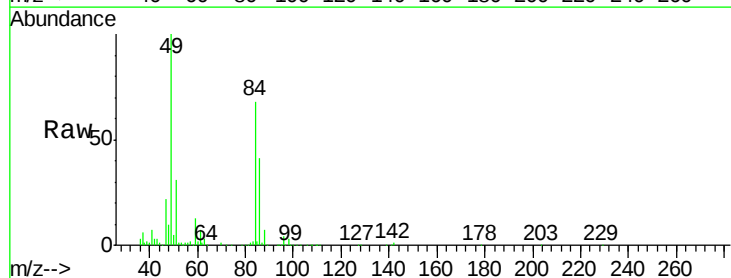
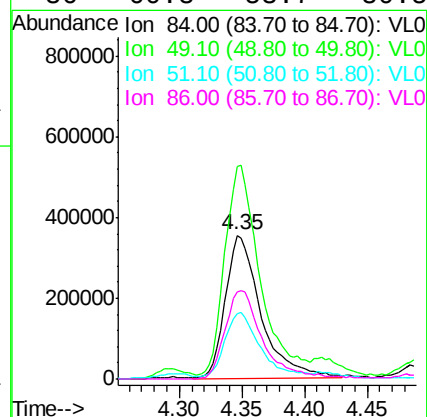
Ion Ratio Lower Upper

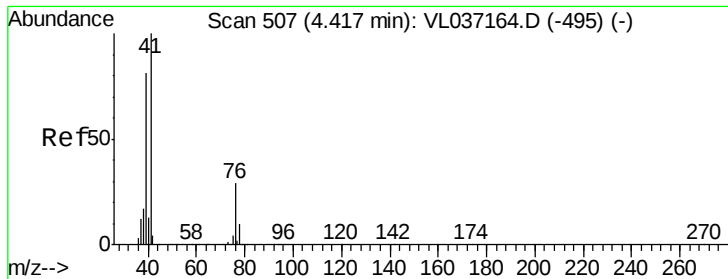
84 100

49 145.6 119.7 179.5

51 43.7 36.1 54.1

86 60.8 53.7 80.5





#21

Allvl Chloride

Concen: 9.407 ppbv

RT: 4.41 min Scan# 506

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

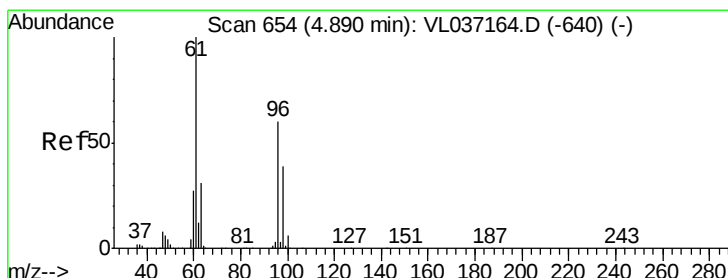
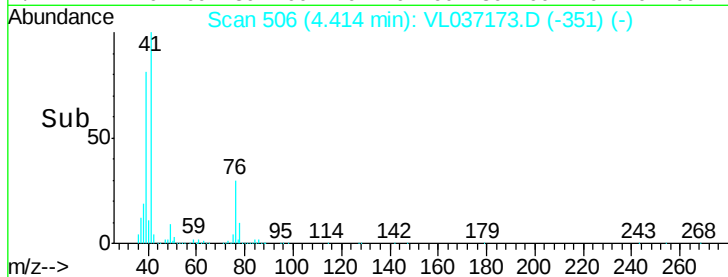
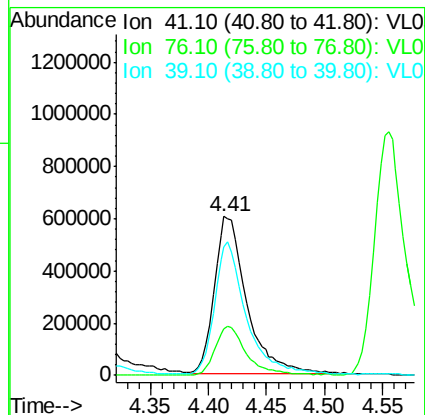
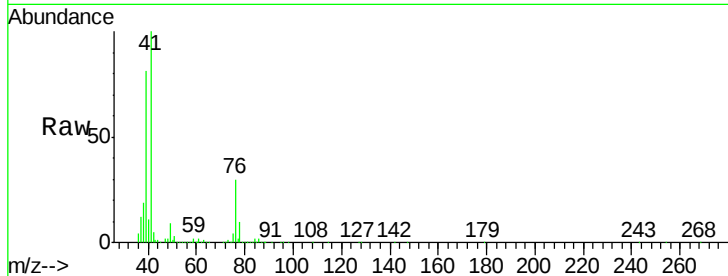
ClientSampleId :

VL0616ABS01

Tot Ion:	41	Resp:	1179536
Ion	Ratio	Lower	Upper
41	100		
76	30.9	24.6	37.0
39	85.3	65.4	98.0

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#22

trans-1,2-Dichloroethene

Concen: 9.431 ppbv

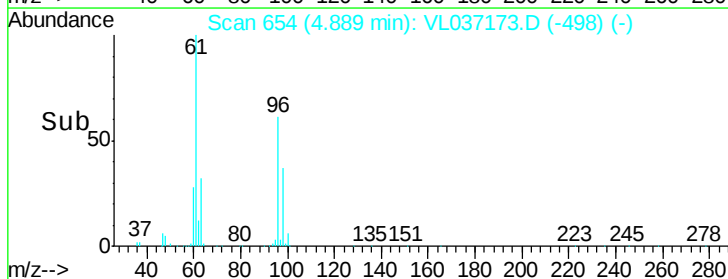
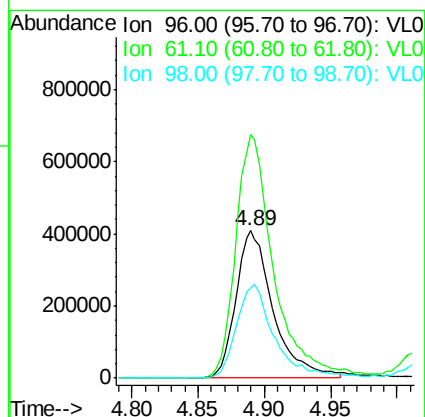
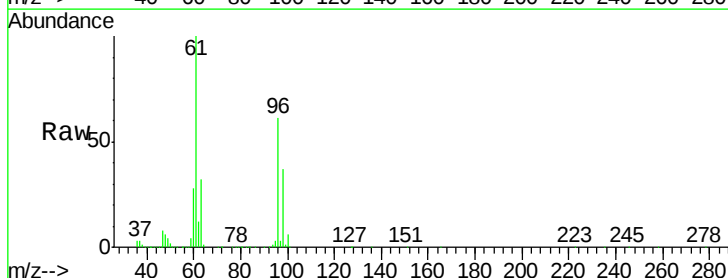
RT: 4.89 min Scan# 654

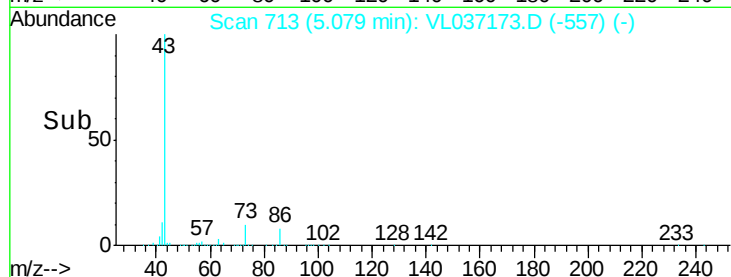
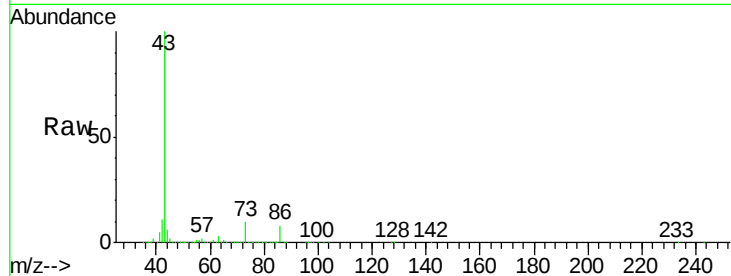
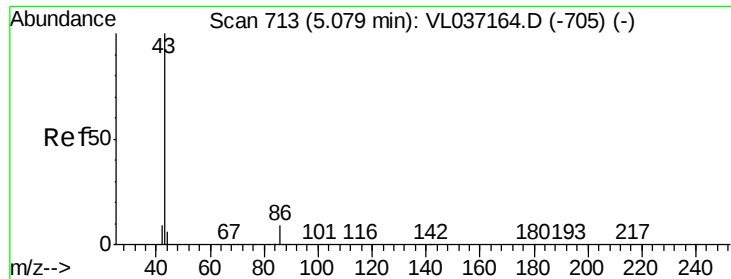
Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

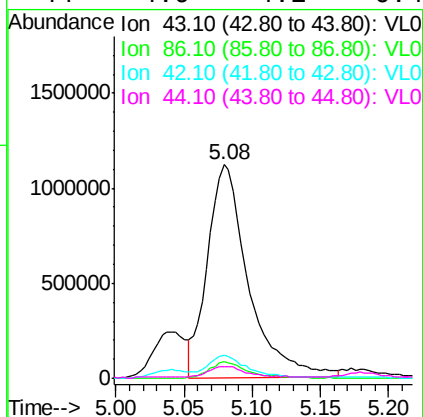
Tgt Ion:	96	Resp:	798001
Ion	Ratio	Lower	Upper
96	100		
61	165.0	133.9	200.9
98	61.0	52.9	79.3





#23
 Vinyl Acetate
 Concen: 9.800 ppbv
 RT: 5.08 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

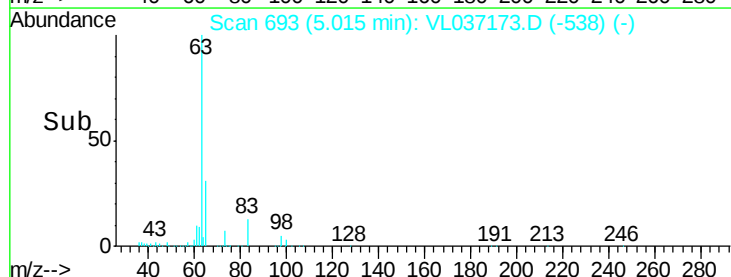
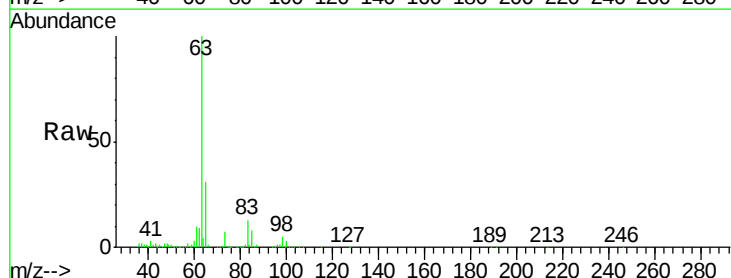
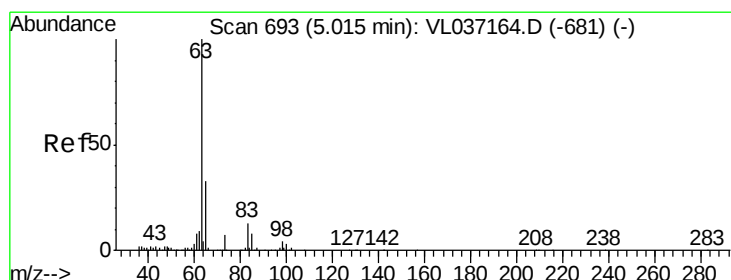
Tot Ion	43	Resp	2337440
Ion	Ratio	Lower	Upper
43	100		
86	7.9	5.8	8.8
42	10.6	8.2	12.2
44	4.9	4.2	6.4



Instrument :
 MSVOA_L
 ClientSampleId :
 VL0616ABS01

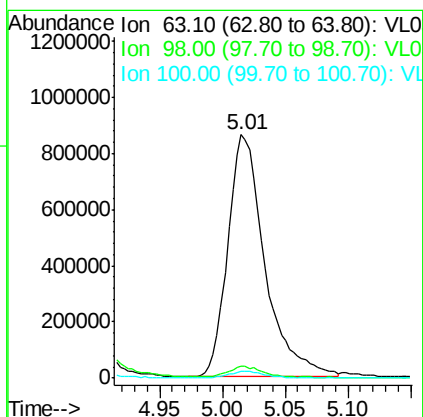
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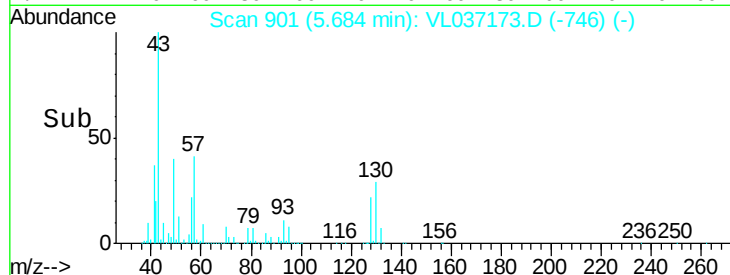
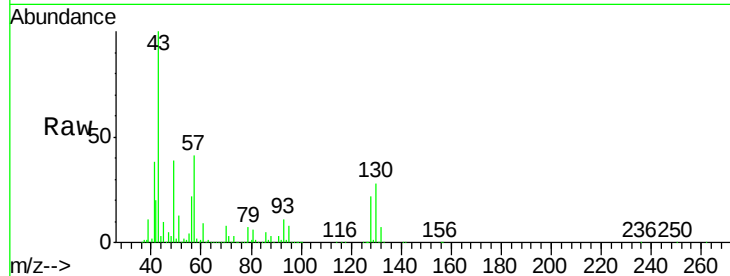
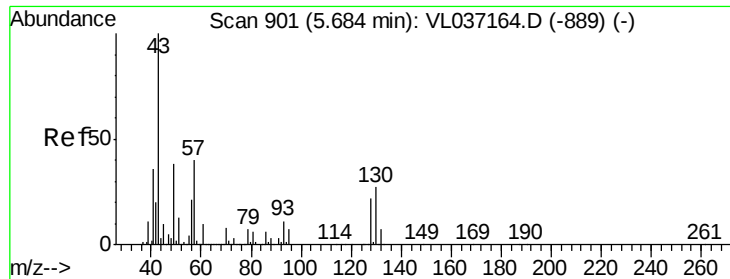
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#24
 1,1-Dichloroethane
 Concen: 9.244 ppbv
 RT: 5.01 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

Tgt Ion	63	Resp	1775163
Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.1	6.5
100	2.8	1.4	4.0





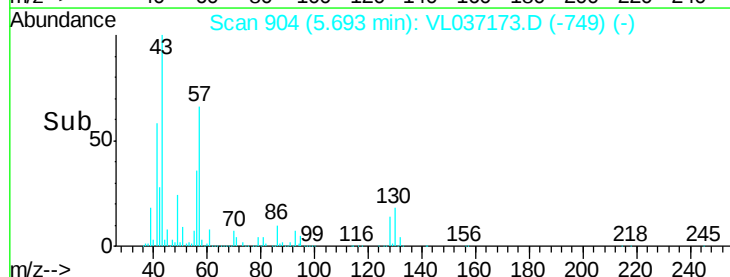
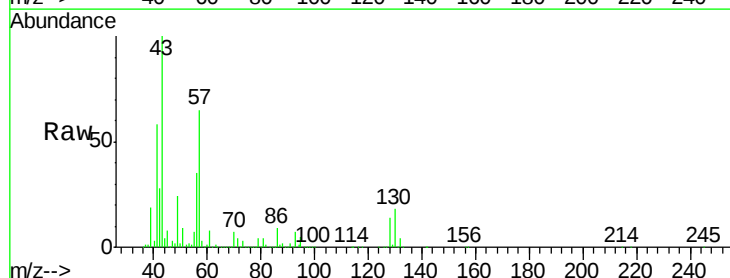
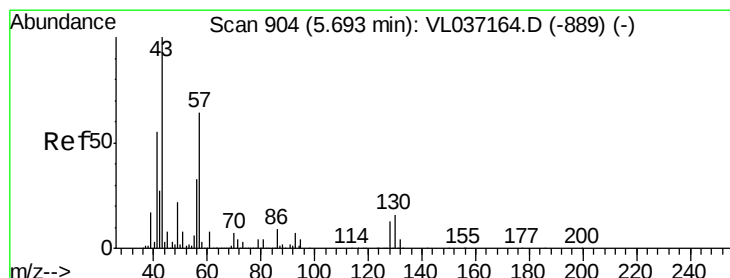
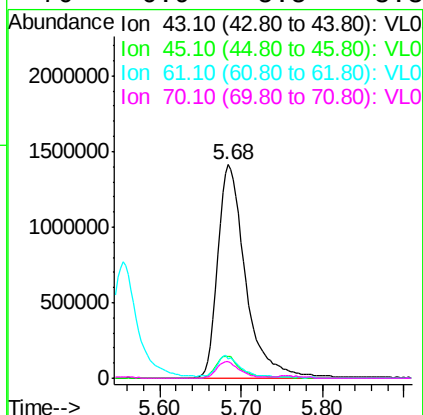
#25
Ethyl Acetate
Concen: 9.437 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Tot Ion	43	Resp	3398475
Ion	Ratio	Lower	Upper
43	100		
45	9.5	8.0	12.0
61	9.8	8.1	12.1
70	6.9	5.5	8.3

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

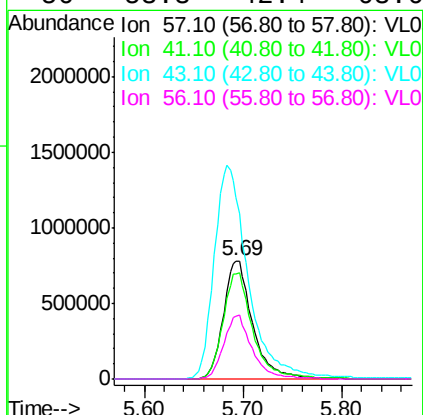
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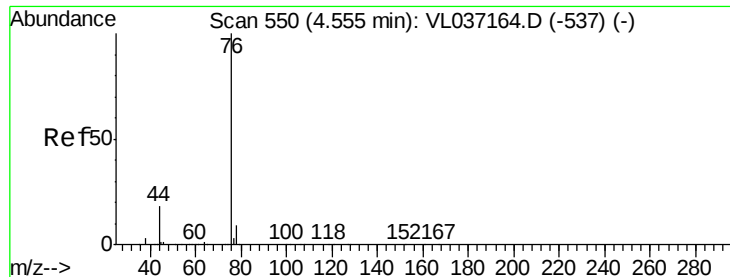
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#26
Hexane
Concen: 8.939 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Tgt Ion	57	Resp	1627085
Ion	Ratio	Lower	Upper
57	100		
41	92.4	73.5	110.3
43	209.5	170.7	256.1
56	53.3	42.4	63.6





#27

Carbon Disulfide

Concen: 10.412 ppbv

RT: 4.56 min Scan# 550

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

Tot Ion: 76 Resp: 1856760

Ion Ratio Lower Upper

76 100

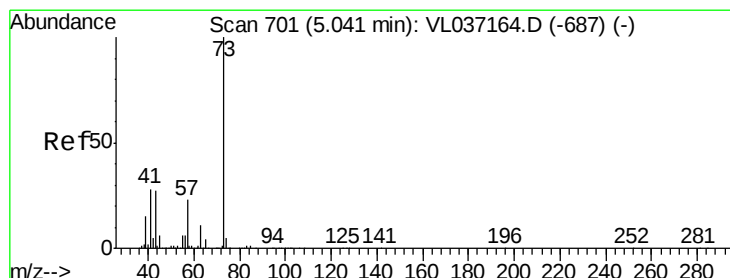
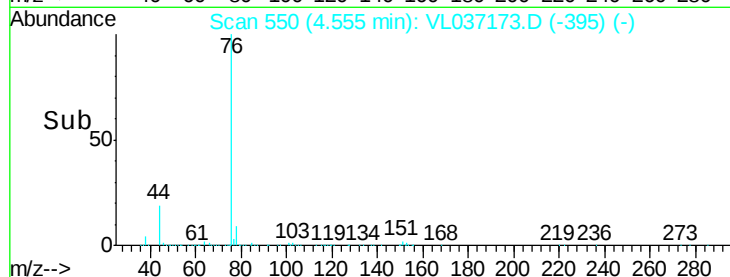
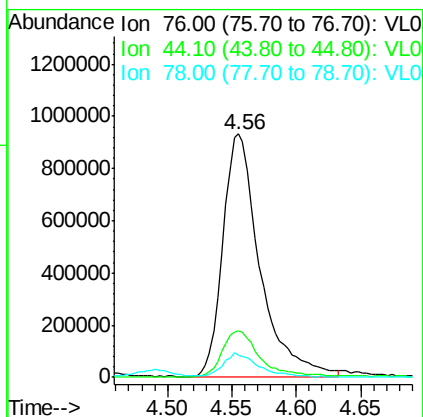
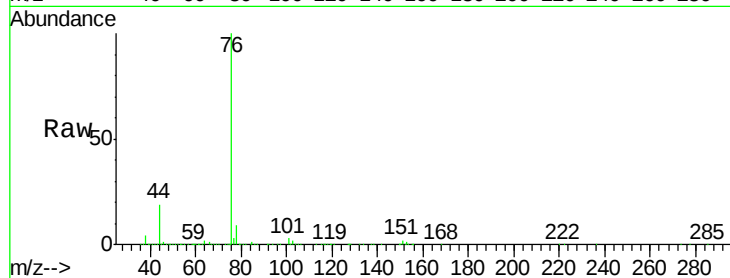
44 19.8 15.4 23.2

78 9.8 8.0 12.0

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 9.258 ppbv

RT: 5.04 min Scan# 701

Delta R.T. -0.00 min

Lab File: VL037173.D

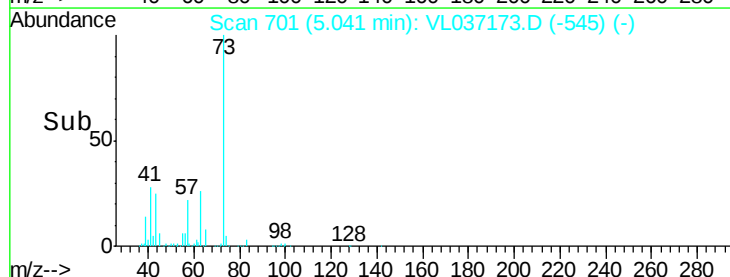
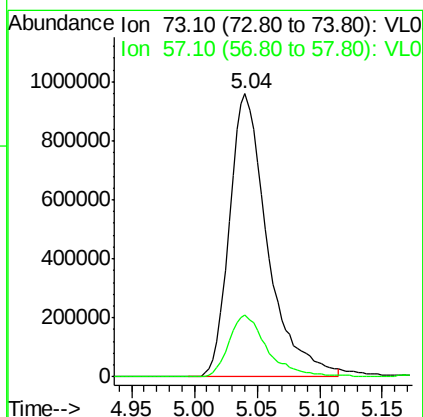
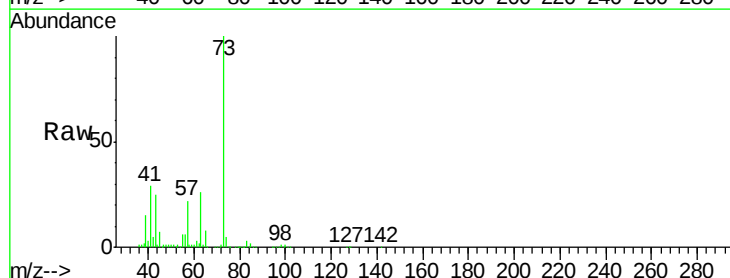
Acq: 16 Jun 2021 16:40

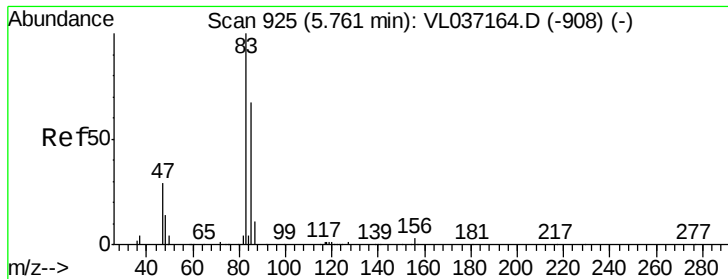
Tgt Ion: 73 Resp: 2025769

Ion Ratio Lower Upper

73 100

57 22.6 18.0 27.0





#29

Chloroform

Concen: 9.517 ppbv

RT: 5.76 min Scan# 924

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

Tot Ion: 83 Resp: 2675818

Ion Ratio Lower Upper

83 100

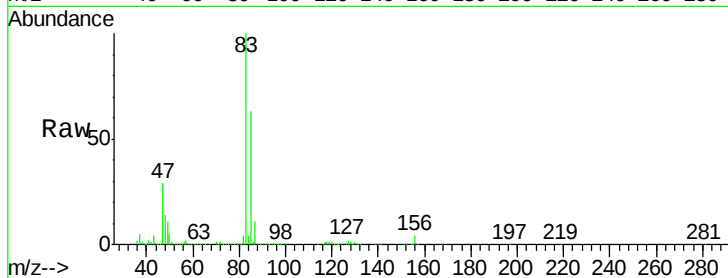
85 62.9 53.6 80.4

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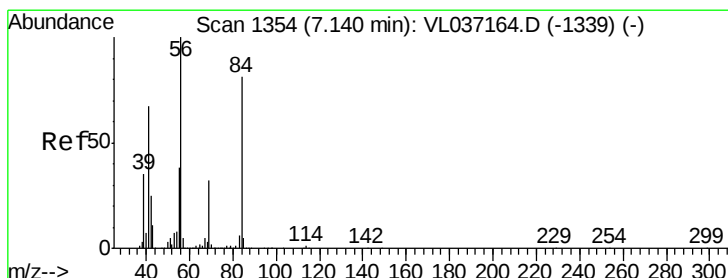
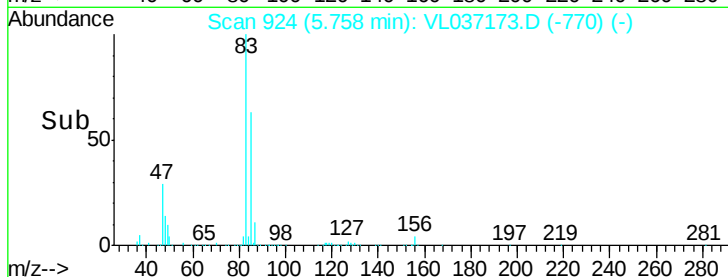
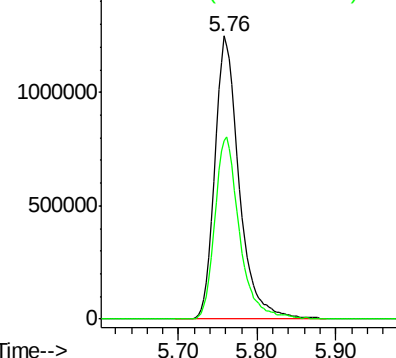
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 9.364 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

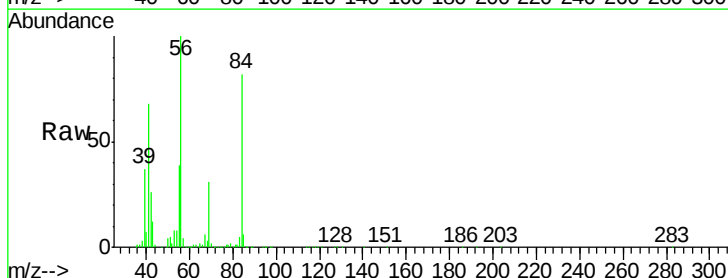
Tgt Ion: 84 Resp: 1420038

Ion Ratio Lower Upper

84 100

56 132.1 107.7 161.5

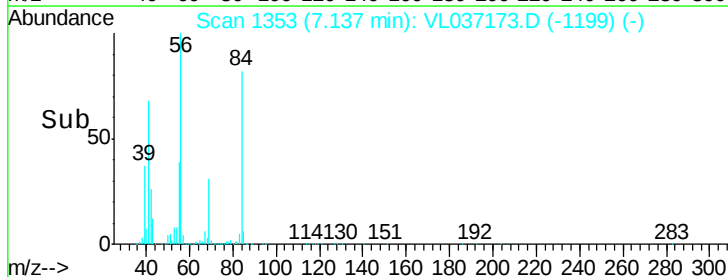
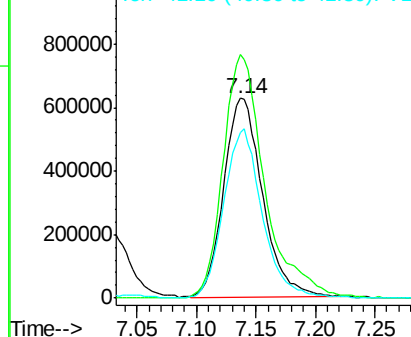
41 84.7 69.0 103.6

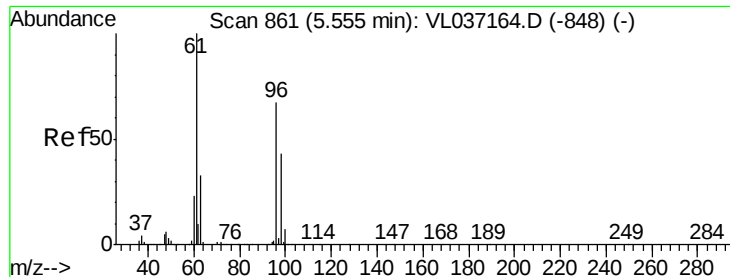


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





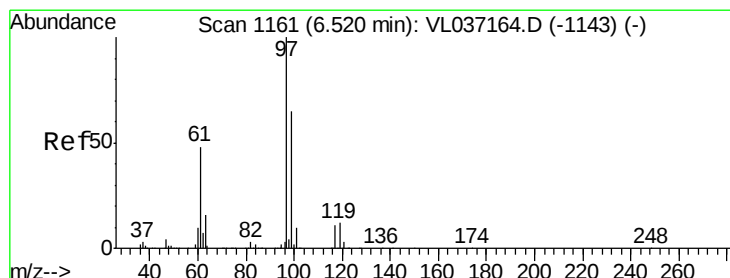
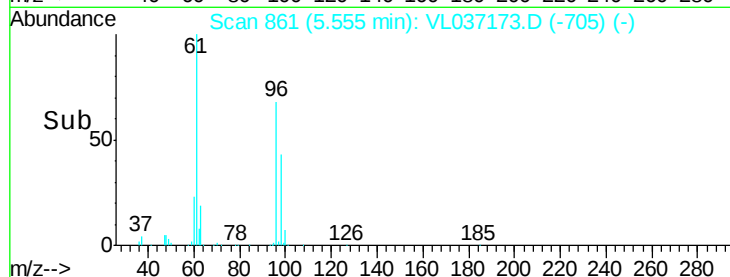
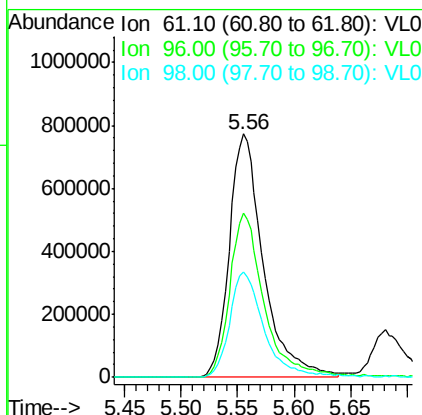
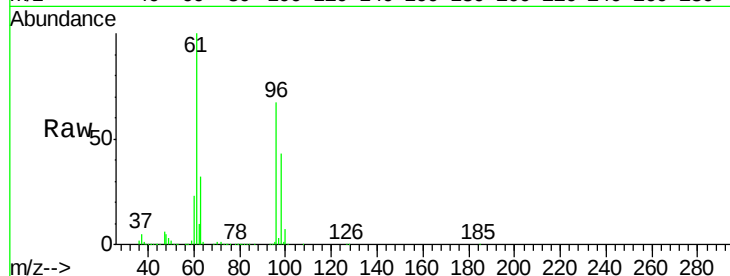
#31
 cis-1,2-Dichloroethene
 Concen: 9.691 ppbv
 RT: 5.56 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0616ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	67.4	53.6	80.4
98	43.3	34.7	52.1

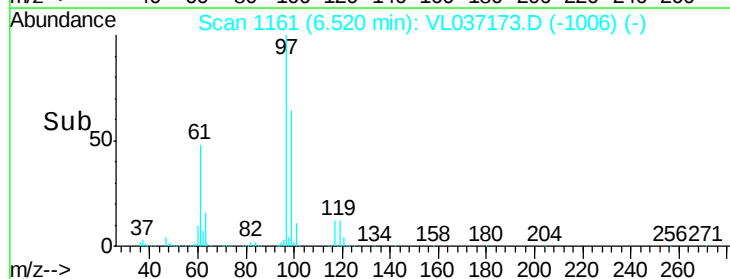
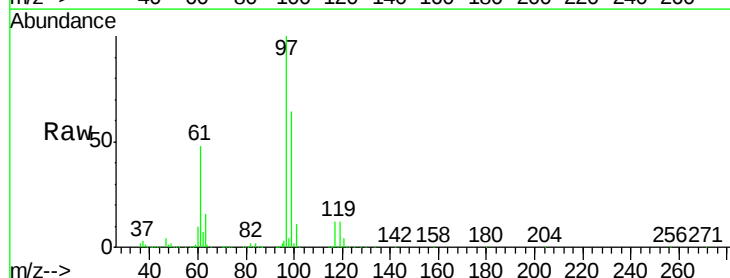
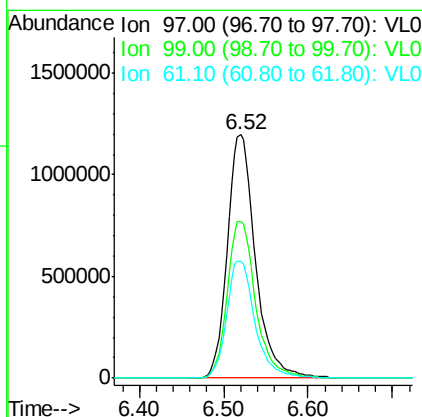
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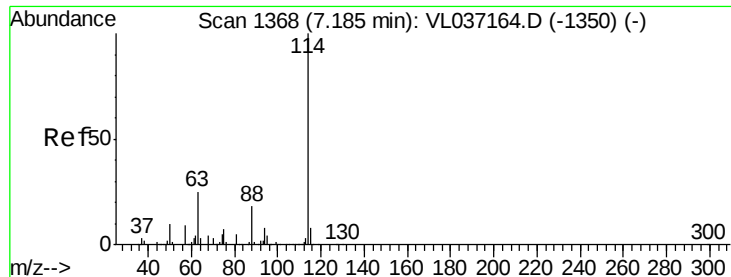
MMDadoda
 6/17/2021 5:37:34 PM



#32
 1,1,1-Trichloroethane
 Concen: 9.207 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.2	78.4
61	48.6	38.8	58.2





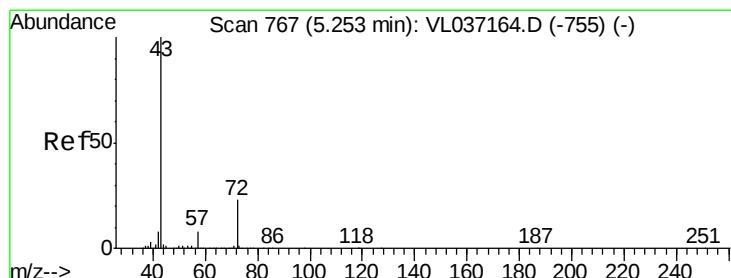
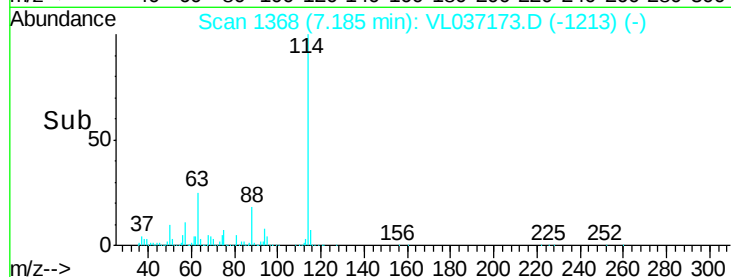
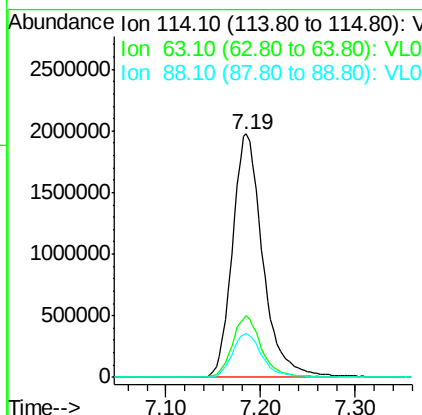
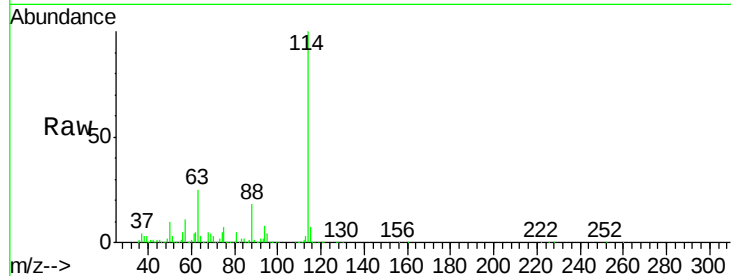
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0616ABS01

Tot Ion:114 Resp: 4389856
 Ion Ratio Lower Upper
 114 100
 63 24.7 19.6 29.4
 88 17.9 14.2 21.2

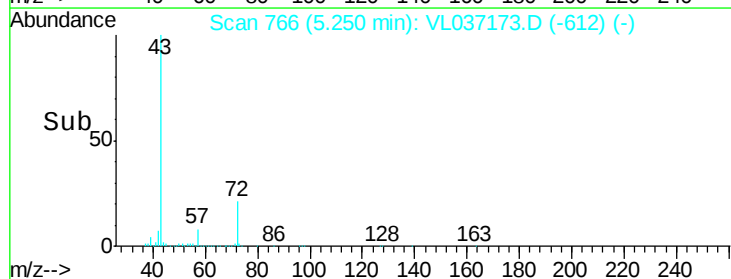
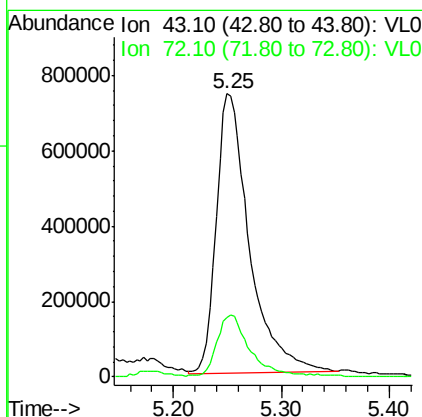
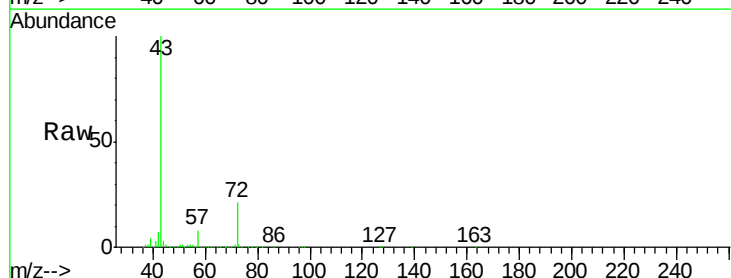
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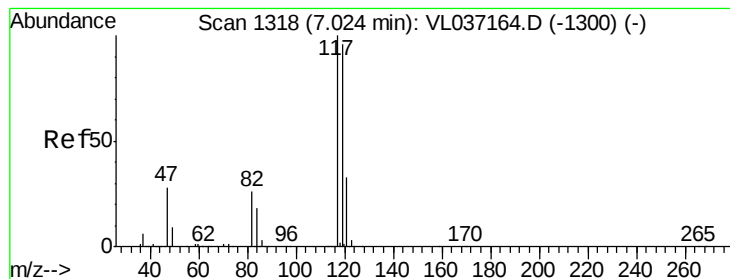
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#34
 2-Butanone
 Concen: 9.269 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

Tgt Ion: 43 Resp: 1582435
 Ion Ratio Lower Upper
 43 100
 72 23.0 18.9 28.3





#35

Carbon Tetrachloride

Concen: 10.110 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

Tot Ion:117 Resp: 2976833

Ion Ratio Lower Upper

117 100

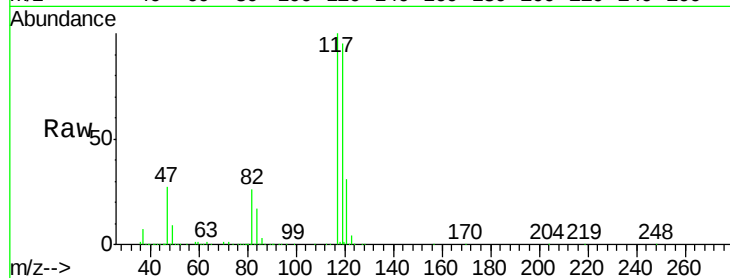
119 95.4 76.6 114.8

121 30.9 26.4 39.6

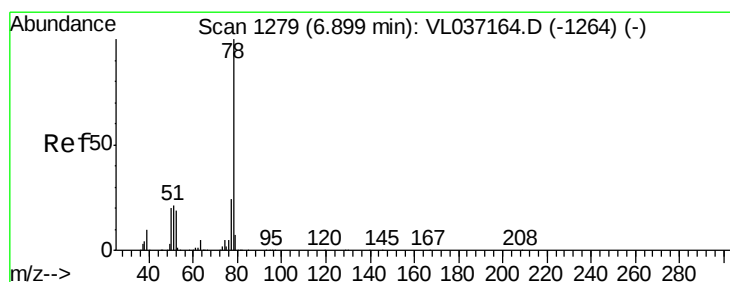
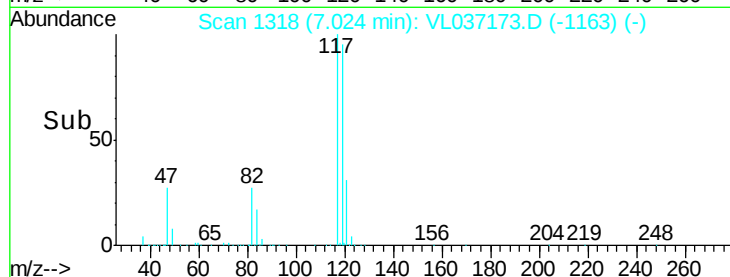
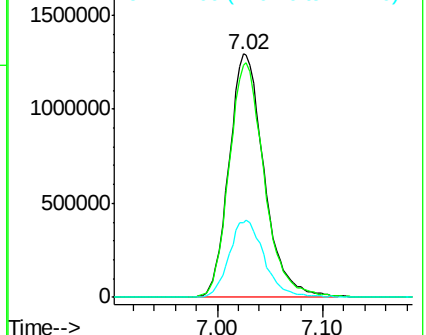
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.412 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

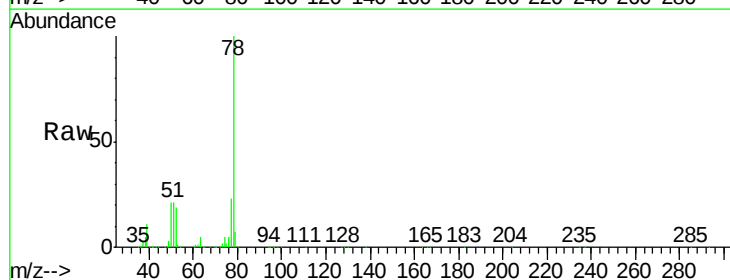
Tgt Ion: 78 Resp: 3340919

Ion Ratio Lower Upper

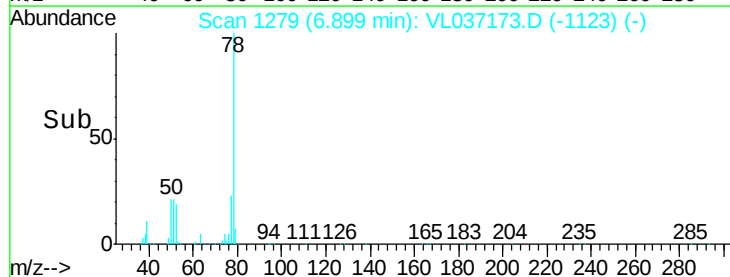
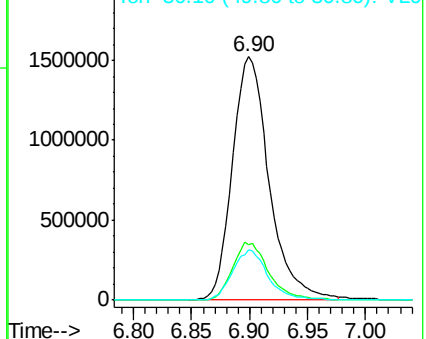
78 100

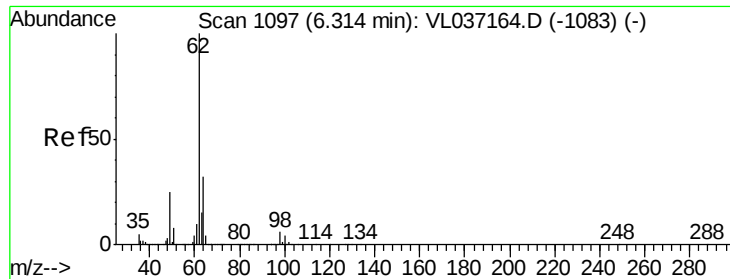
77 22.8 19.0 28.6

50 20.8 15.7 23.5



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





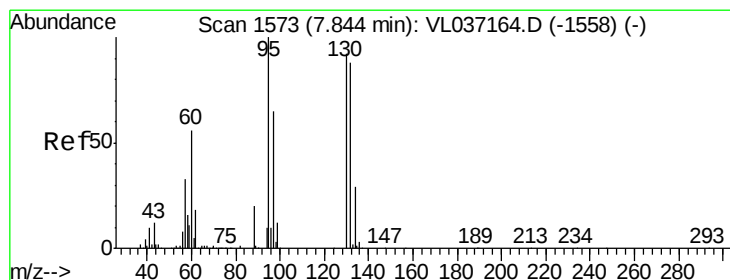
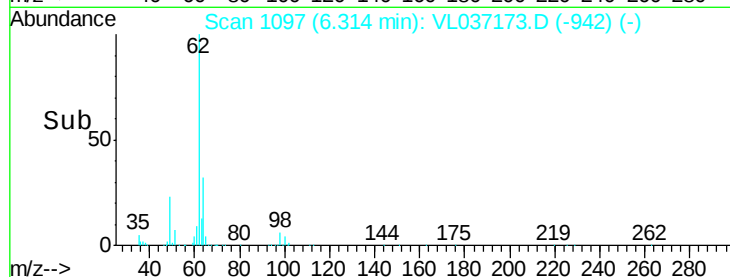
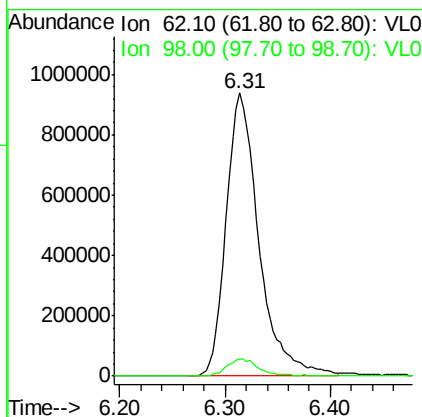
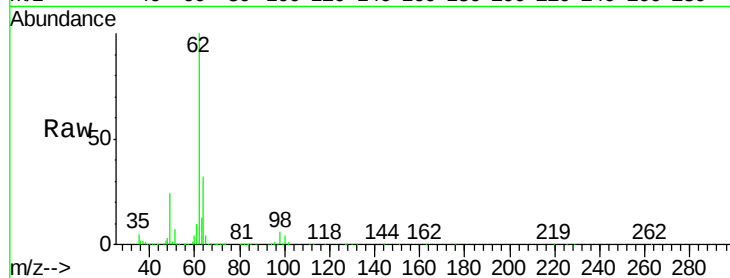
#37
 1,2-Dichloroethane
 Concen: 9.773 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. -0.00 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0616ABS01

Tot Ion: 62 Resp: 2015232
 Ion Ratio Lower Upper
 62 100
 98 6.1 5.0 7.6

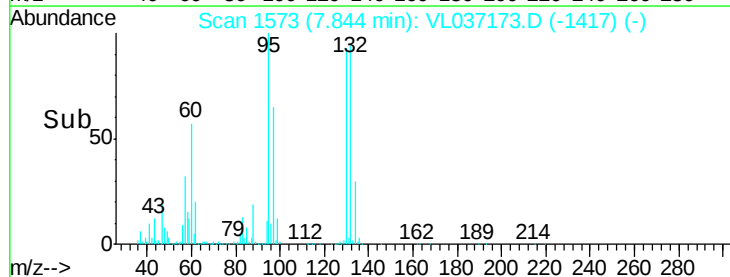
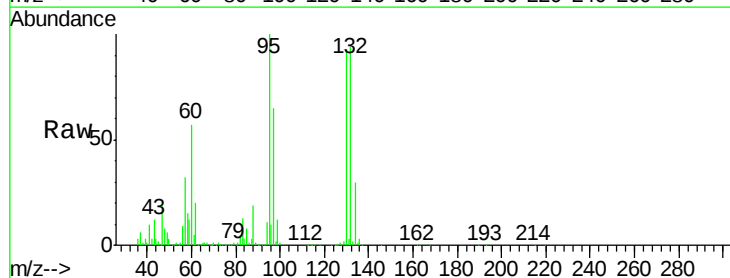
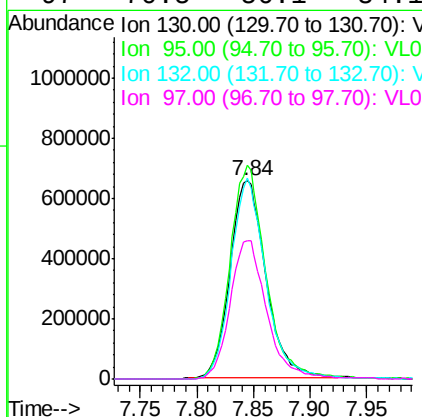
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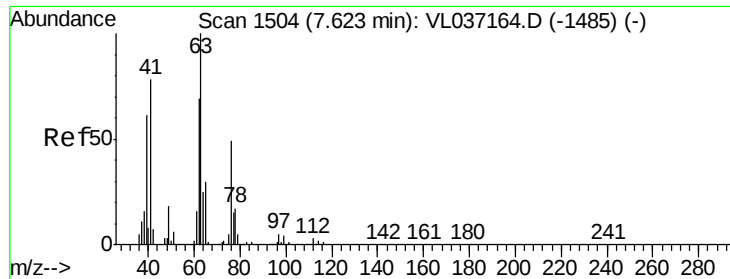
MMDadoda
 6/17/2021 5:37:34 PM



#38
 Trichloroethene
 Concen: 8.540 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

Tgt Ion:130 Resp: 1440953
 Ion Ratio Lower Upper
 130 100
 95 108.2 86.6 129.8
 132 102.0 76.6 114.8
 97 70.5 56.1 84.1





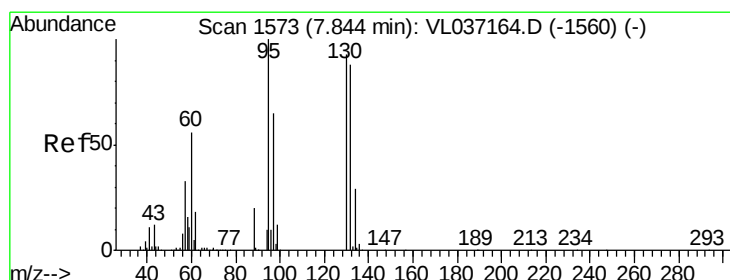
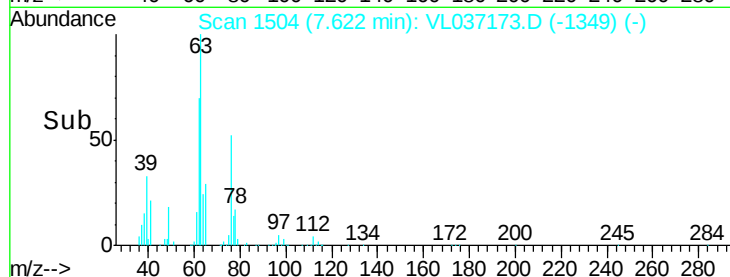
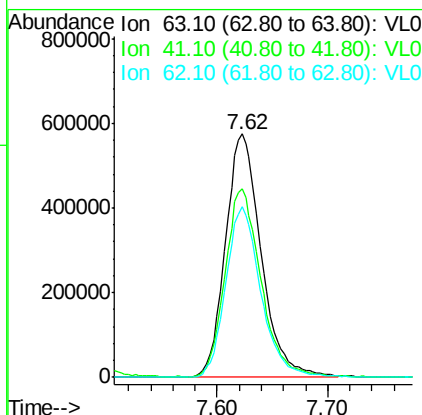
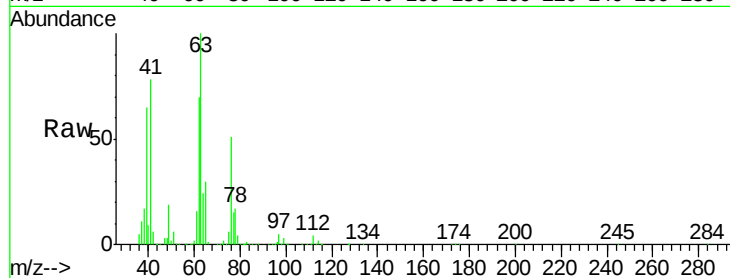
#39
 1,2-Dichloropropane
 Concen: 9.720 ppbv
 RT: 7.62 min Scan# 1504
 Delta R.T. -0.00 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0616ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	77.5	62.0	93.0
62	70.5	54.9	82.3

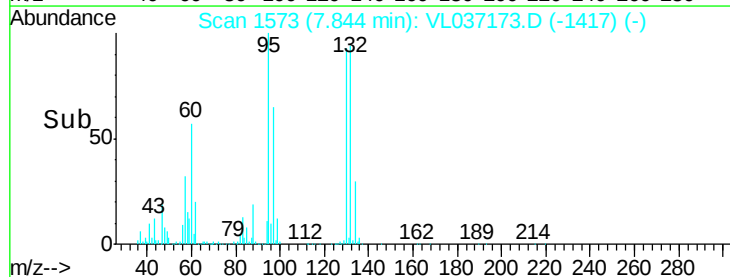
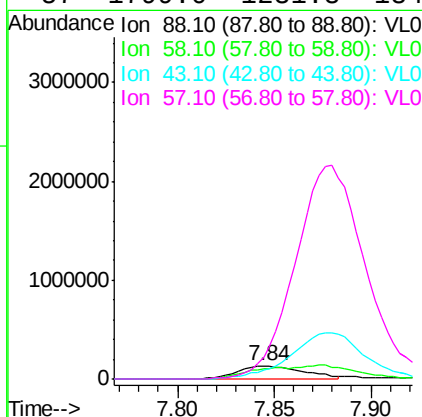
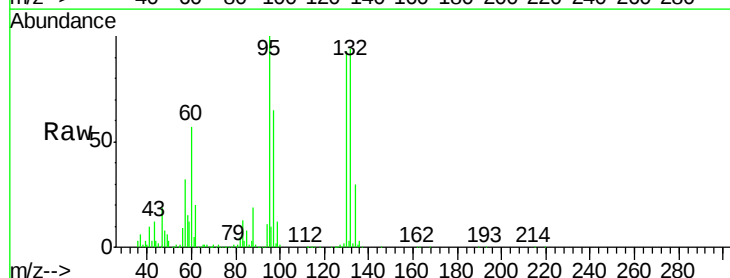
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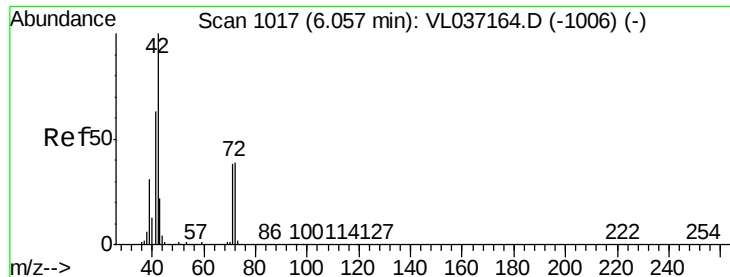
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#40
 1,4-Dioxane
 Concen: 8.517 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

Tgt Ion	Ratio	Lower	Upper
88	100		
58	166.1	118.4	177.6
43	411.4	284.0	426.0
57	1799.0	1231.8	1847.6





#41

Tetrahydrofuran

Concen: 9.835 ppbv

RT: 6.06 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

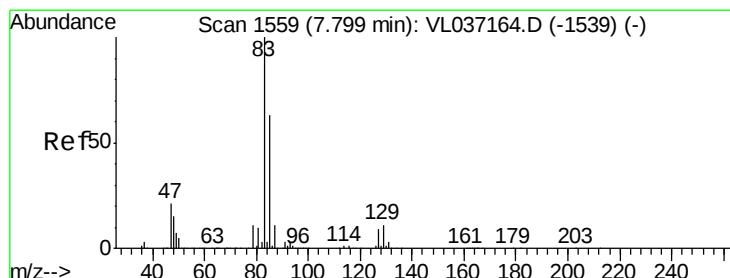
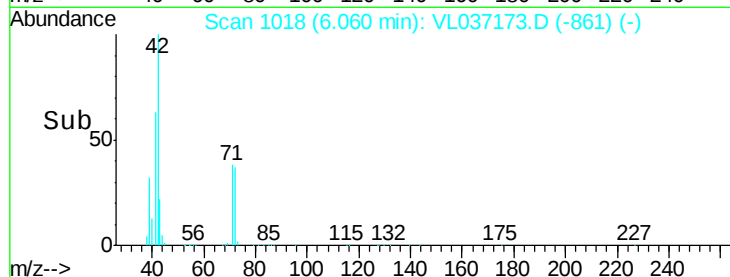
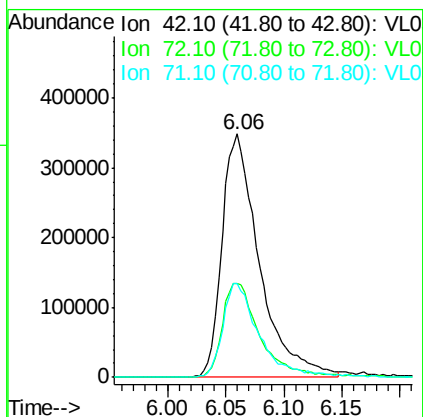
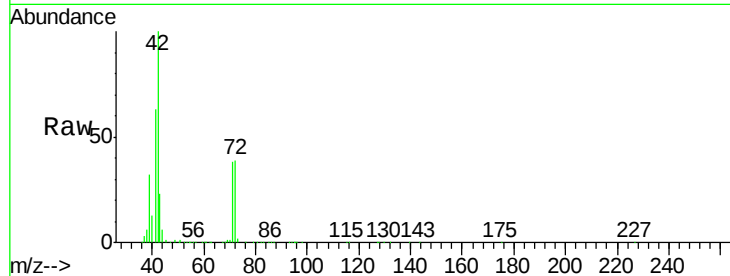
ClientSampleId :

VL0616ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	33.0	49.4
71	38.1	31.0	46.6

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#42

Bromodichloromethane

Concen: 10.057 ppbv

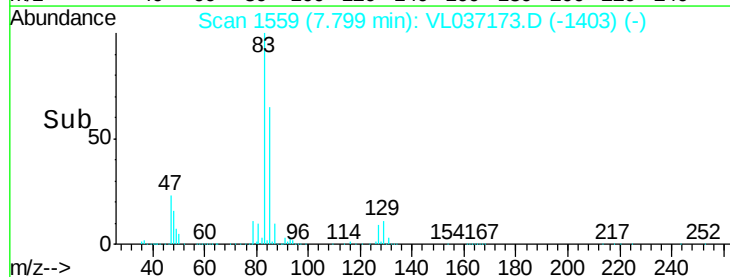
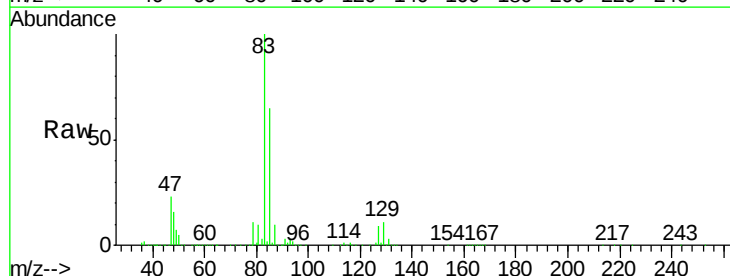
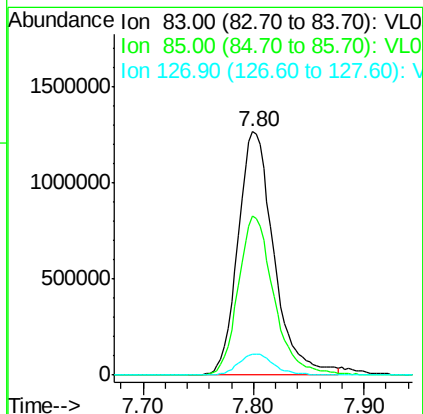
RT: 7.80 min Scan# 1559

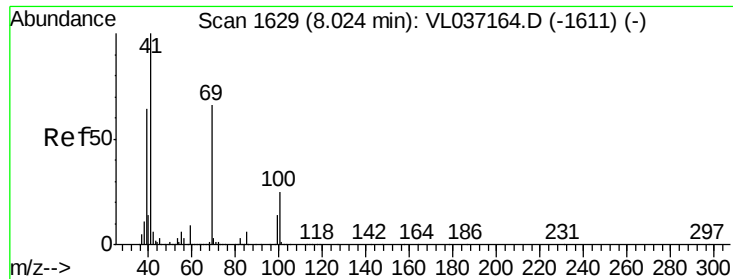
Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.8	76.2
127	8.8	7.0	10.6





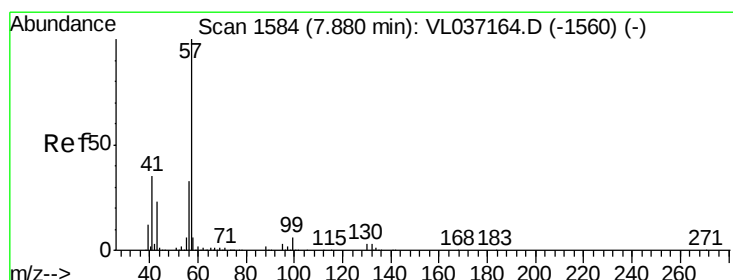
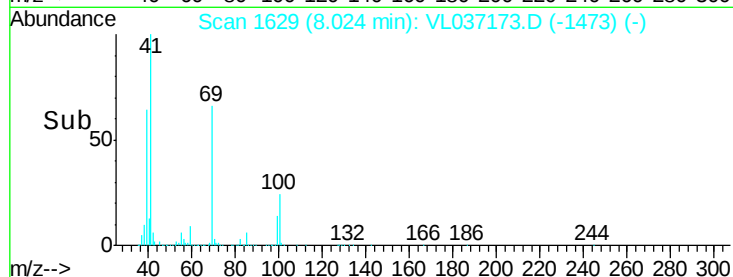
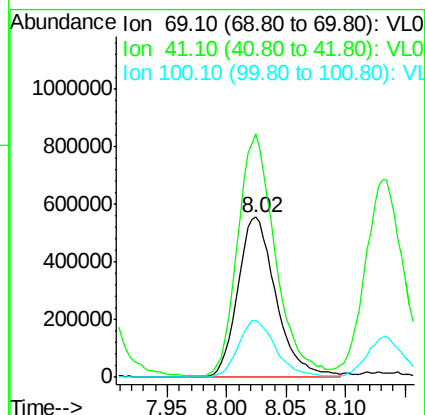
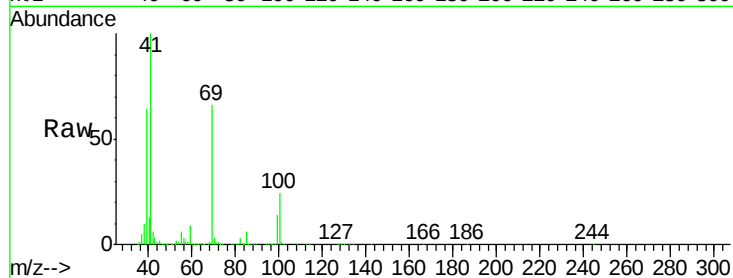
#43
Methvl Methacrilate
Concen: 10.090 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tot Ion: 69 Resp: 1236934
Ion Ratio Lower Upper
69 100
41 149.4 119.4 179.0
100 35.2 28.6 43.0

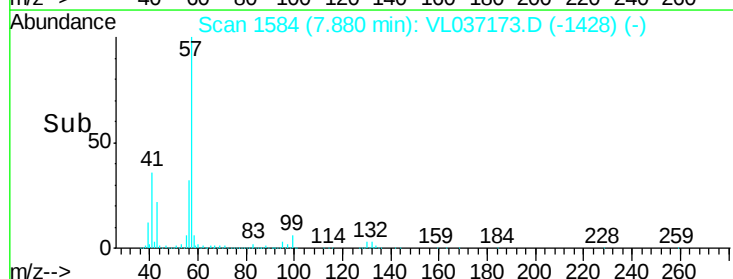
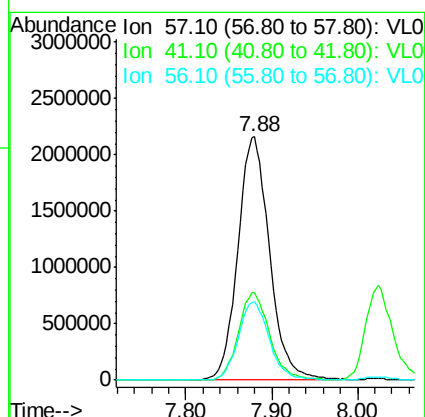
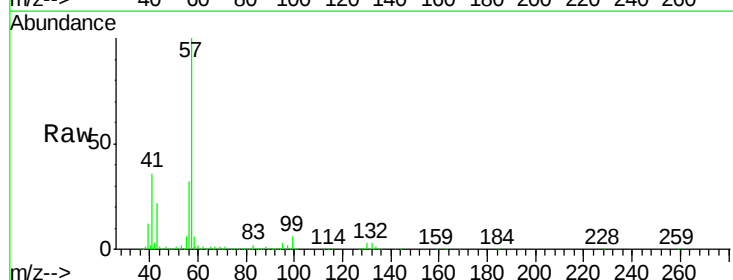
Manual Integrations
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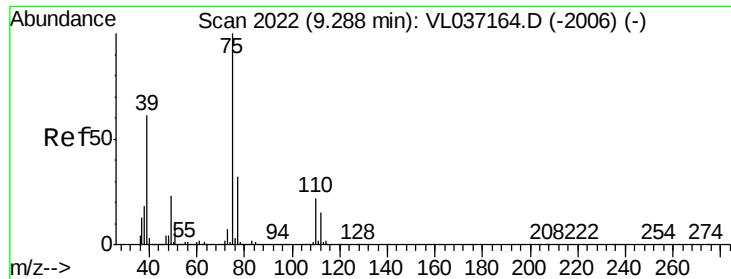
MMDadoda
6/17/2021 5:37:34 PM



#44
2,2,4-Trimethylpentane
Concen: 9.256 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Tgt Ion: 57 Resp: 5532555
Ion Ratio Lower Upper
57 100
41 35.4 27.6 41.4
56 31.5 25.3 37.9





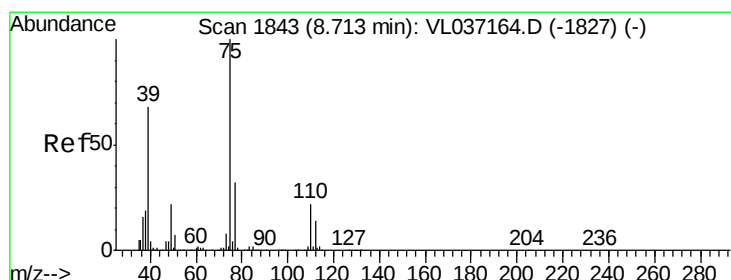
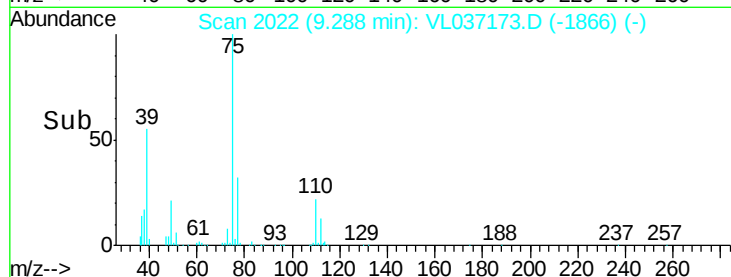
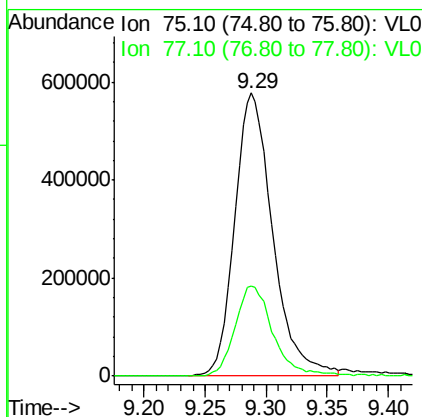
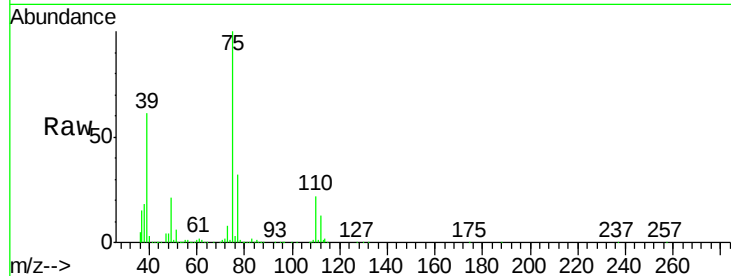
#45
t-1,3-Dichloropropene
Concen: 11.476 ppbv
RT: 9.29 min Scan# 2022
Delta R.T. -0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tot Ion: 75 Resp: 1241277
Ion Ratio Lower Upper
75 100
77 31.9 25.6 38.4

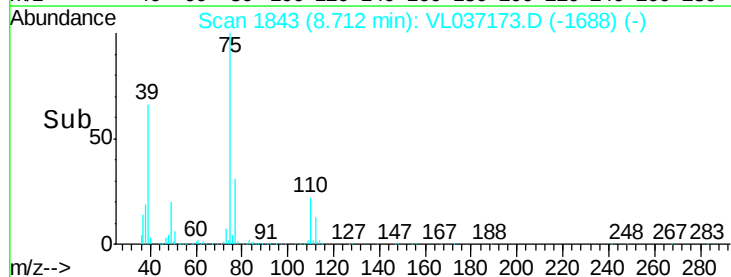
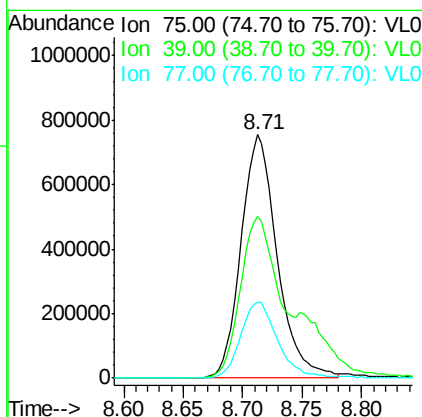
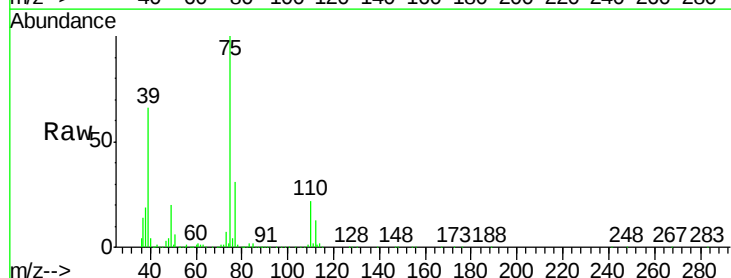
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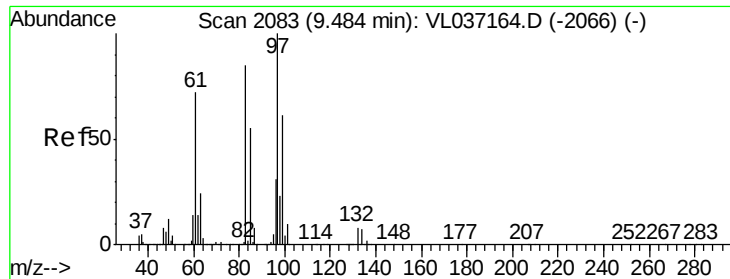
MMDadoda
6/17/2021 5:37:34 PM



#46
cis-1,3-Dichloropropene
Concen: 10.740 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Tgt Ion: 75 Resp: 1589048
Ion Ratio Lower Upper
75 100
39 66.4 54.7 82.1
77 31.0 25.8 38.8





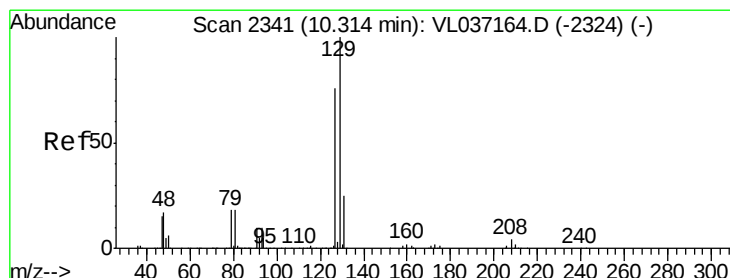
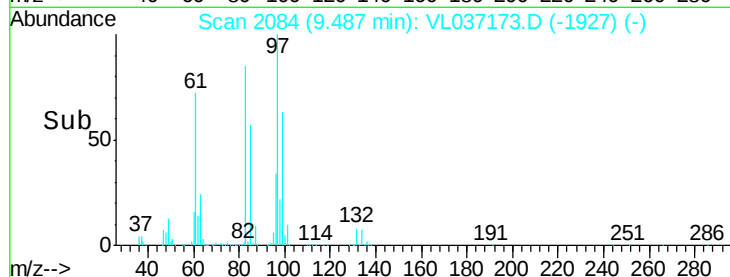
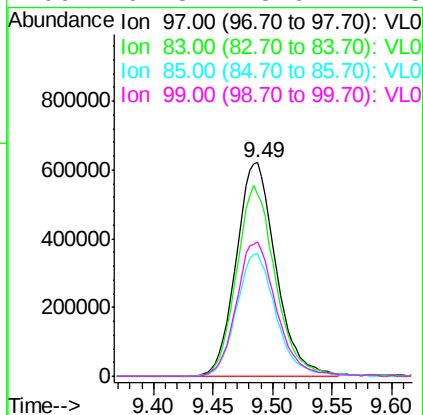
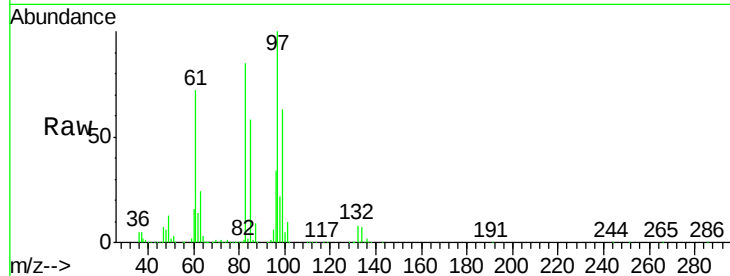
#47
 1,1,2-Trichloroethane
 Concen: 9.516 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. 0.00 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0616ABS01

Tot Ion: 97 Resp: 1431980
 Ion Ratio Lower Upper
 97 100
 83 85.0 68.3 102.5
 85 57.5 44.1 66.1
 99 62.8 48.6 72.8

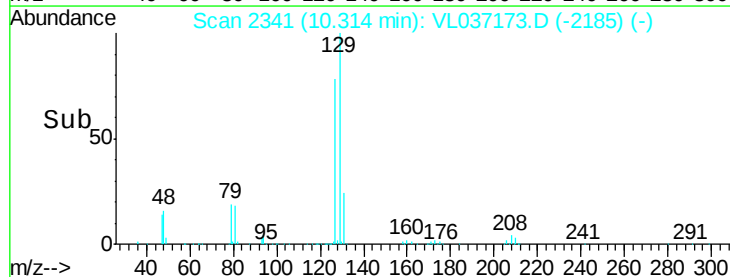
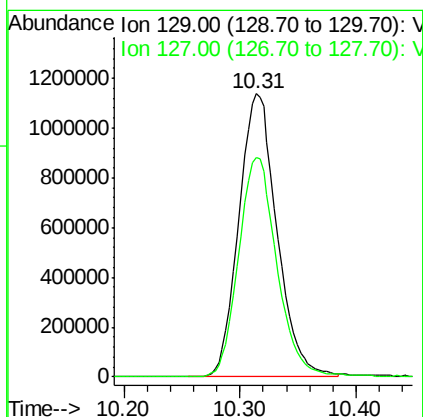
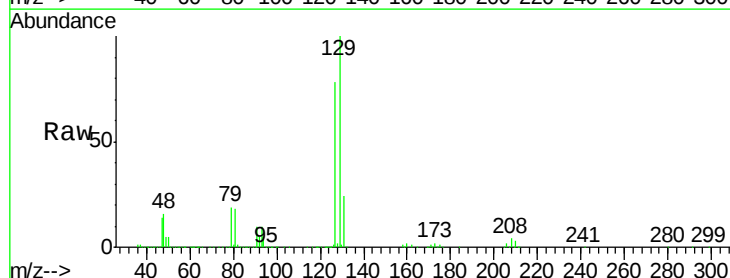
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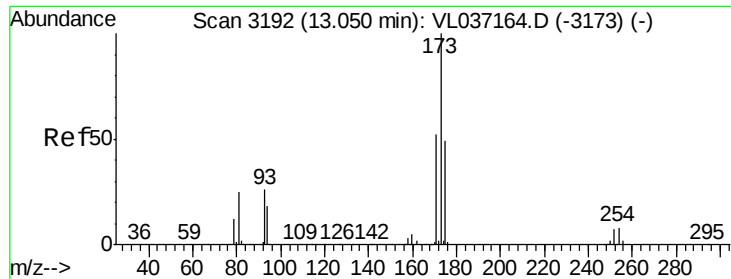
MMDadoda
 6/17/2021 5:37:34 PM



#48
 Dibromochloromethane
 Concen: 10.944 ppbv
 RT: 10.31 min Scan# 2341
 Delta R.T. -0.00 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

Tgt Ion: 129 Resp: 2599730
 Ion Ratio Lower Upper
 129 100
 127 78.5 39.1 117.2





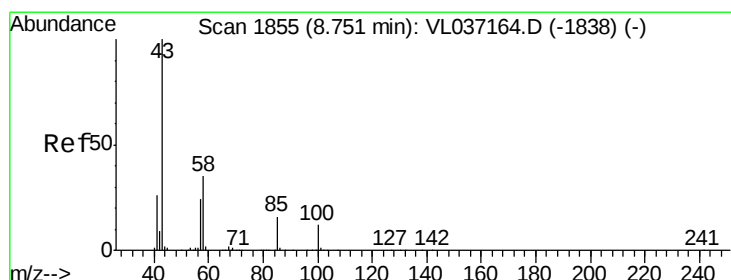
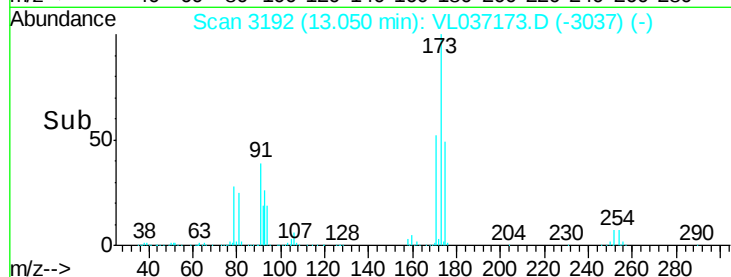
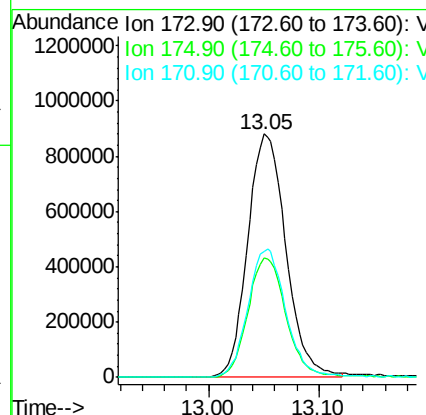
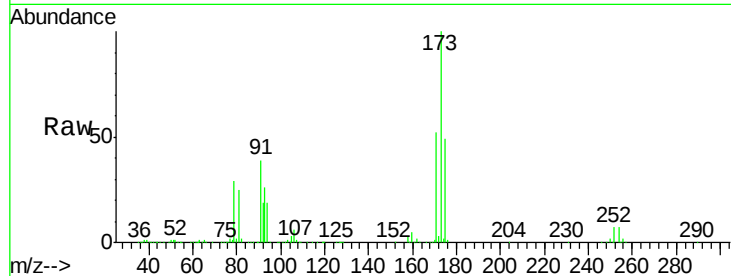
#49
Bromoform
Concen: 11.978 ppbv
RT: 13.05 min Scan# 3192
Delta R.T. -0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tot Ion:173 Resp: 2119843
Ion Ratio Lower Upper
173 100
175 49.4 40.2 60.4
171 52.8 41.8 62.8

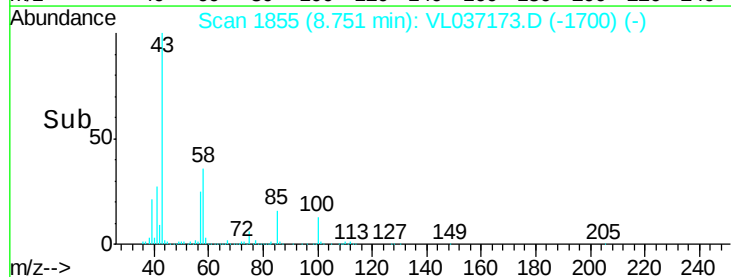
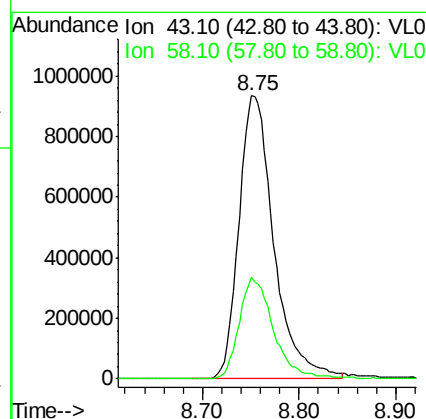
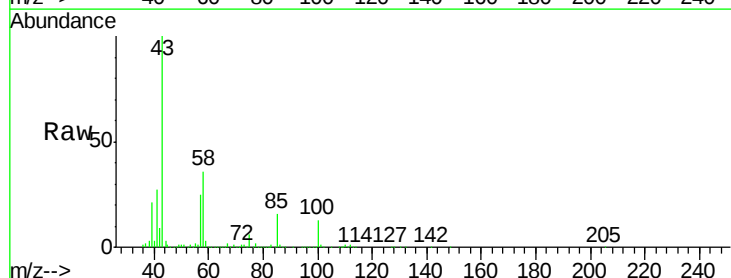
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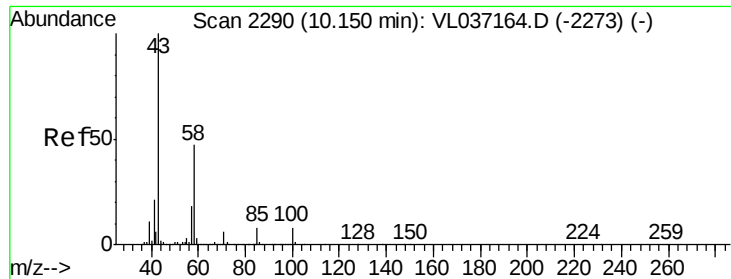
MMDadoda
6/17/2021 5:37:34 PM



#50
4-Methyl-2-Pentanone
Concen: 9.995 ppbv
RT: 8.75 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Tgt Ion: 43 Resp: 2343809
Ion Ratio Lower Upper
43 100
58 35.8 28.4 42.6





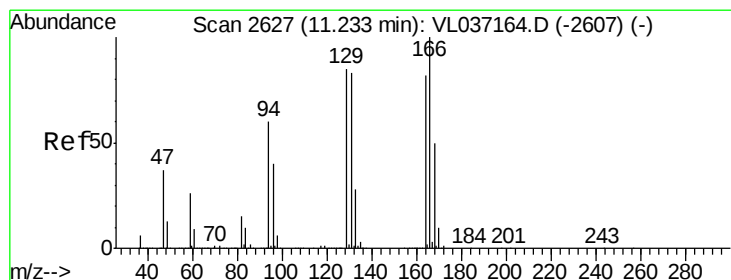
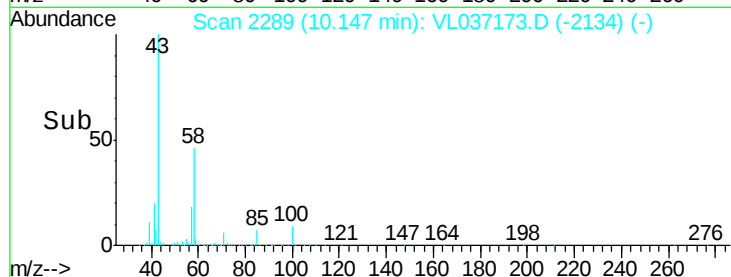
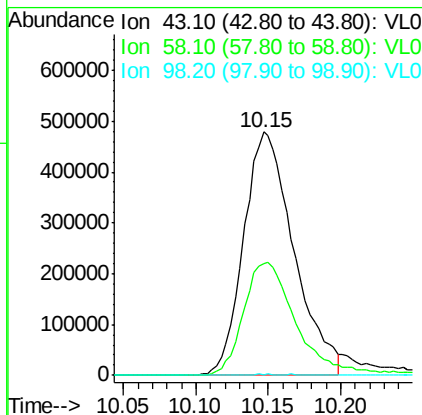
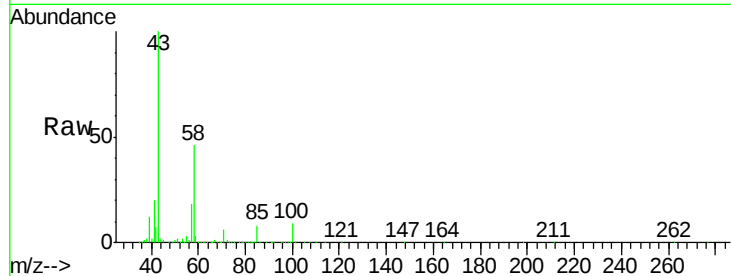
#51
2-Hexanone
Concen: 10.065 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. -0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tot Ion: 43 Resp: 1148379
Ion Ratio Lower Upper
43 100
58 50.2 38.4 57.6
98 0.6 0.3 0.5#

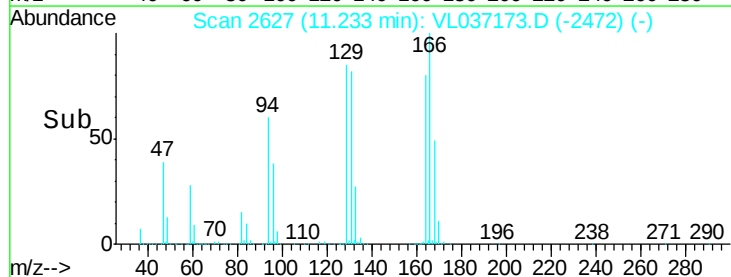
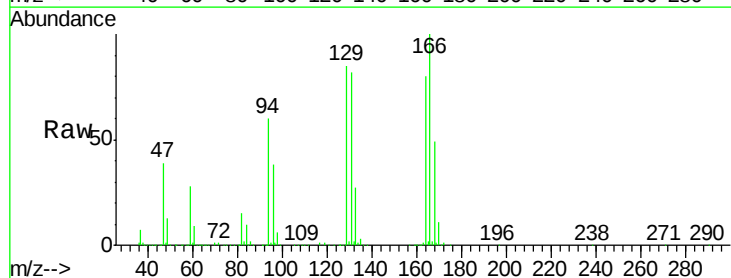
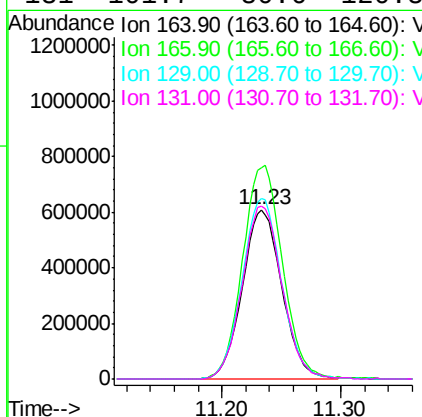
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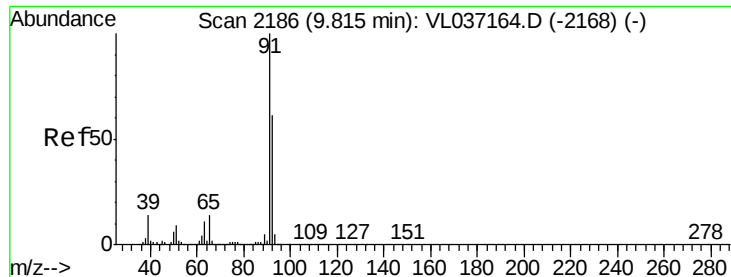
MMDadoda
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#52
Tetrachloroethene
Concen: 8.463 ppbv
RT: 11.23 min Scan# 2627
Delta R.T. -0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Tgt Ion: 164 Resp: 1395947
Ion Ratio Lower Upper
164 100
166 124.7 97.6 146.4
129 106.2 82.9 124.3
131 101.7 80.6 120.8





#53

Toluene

Concen: 9.528 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

Tot Ion: 91 Resp: 4040236

Ion Ratio Lower Upper

91 100

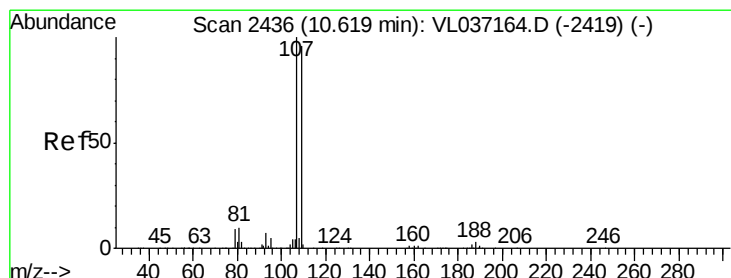
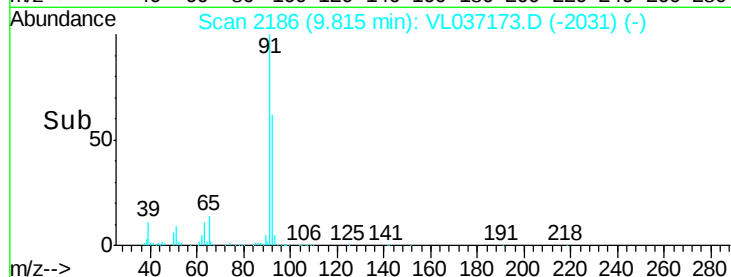
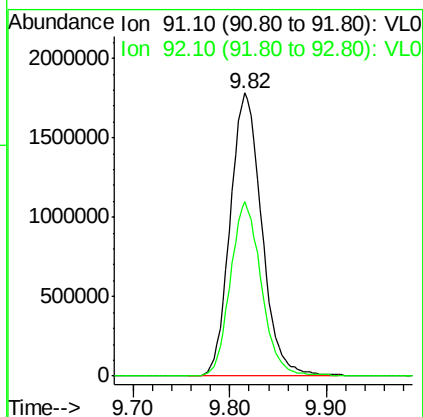
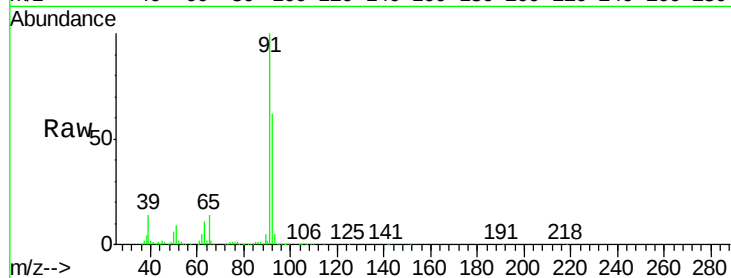
92 60.6 48.3 72.5

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#54

1,2-Dibromoethane

Concen: 9.885 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VL037173.D

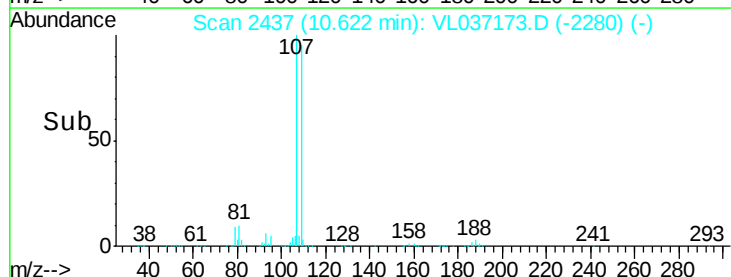
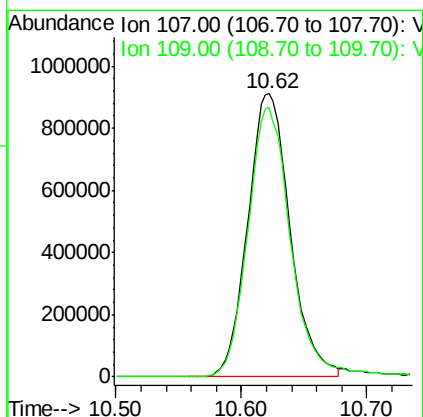
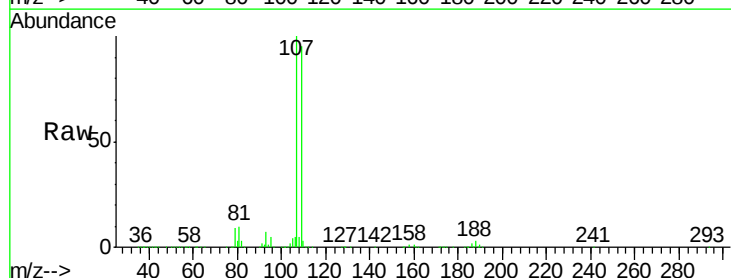
Acq: 16 Jun 2021 16:40

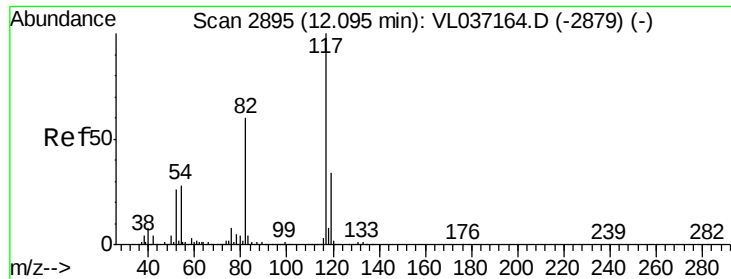
Tgt Ion: 107 Resp: 2137764

Ion Ratio Lower Upper

107 100

109 95.3 77.0 115.6





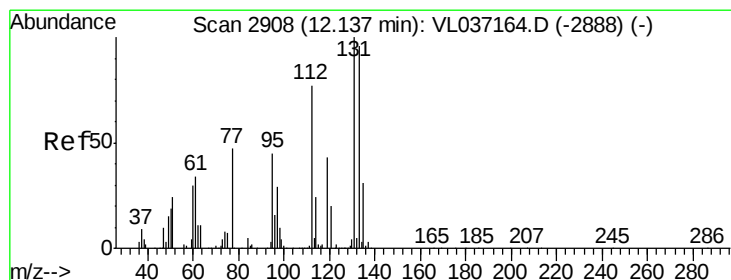
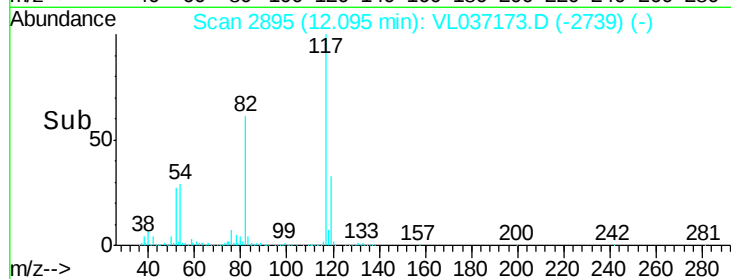
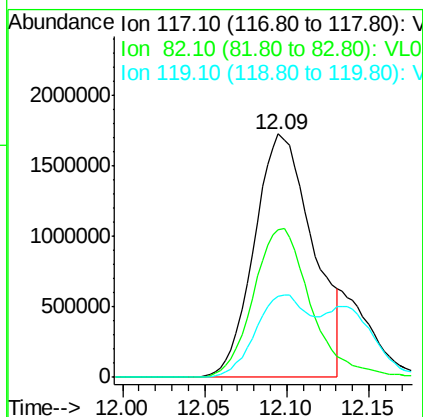
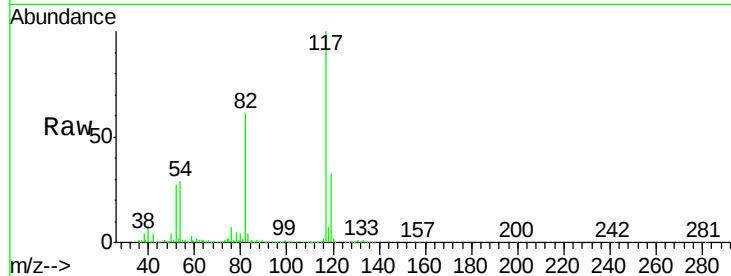
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2895
Delta R.T. -0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tot Ion:117 Resp: 4267236
Ion Ratio Lower Upper
117 100
82 61.6 51.7 77.5
119 57.0 47.6 71.4

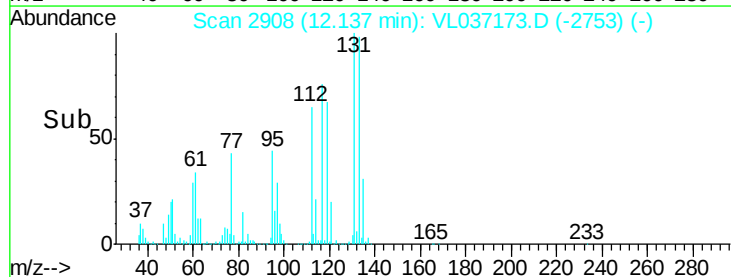
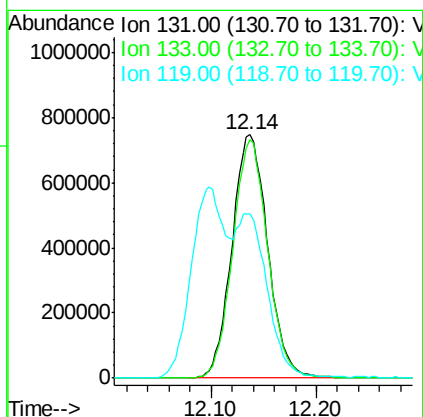
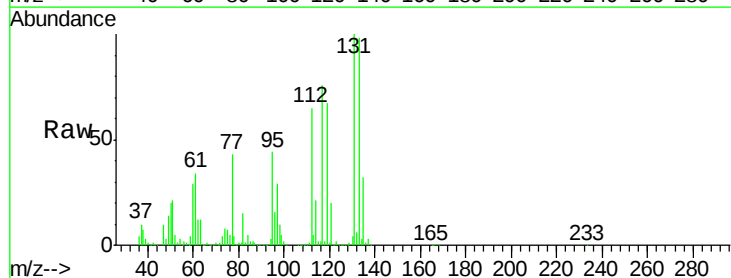
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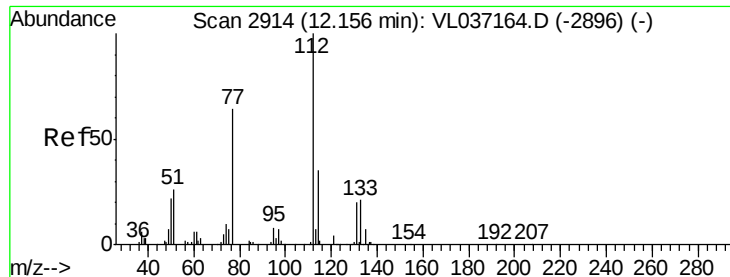
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.392 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Tgt Ion:131 Resp: 1752230
Ion Ratio Lower Upper
131 100
133 96.3 76.5 114.7
119 58.7 48.6 72.8





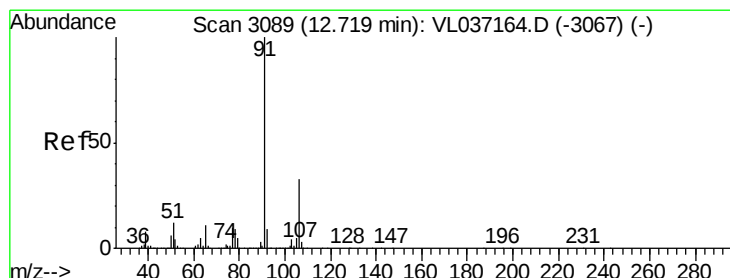
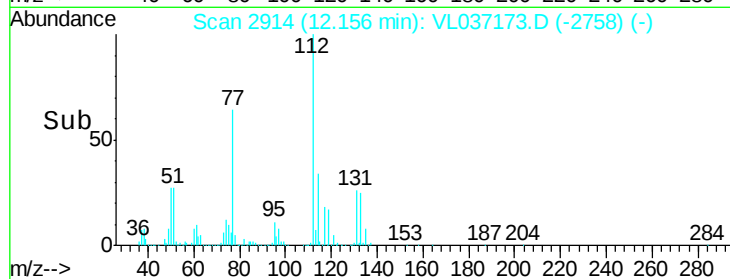
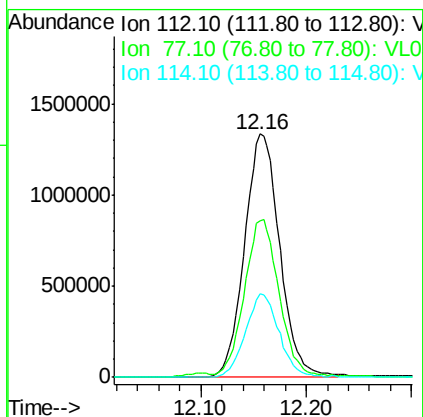
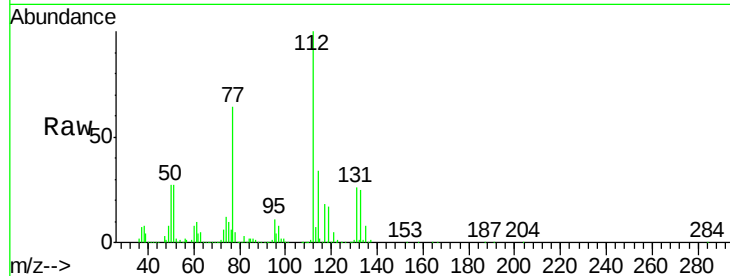
#57
Chlorobenzene
Concen: 8.972 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tot Ion: 112 Resp: 3104837
Ion Ratio Lower Upper
112 100
77 63.4 52.2 78.4
114 34.0 31.1 38.1

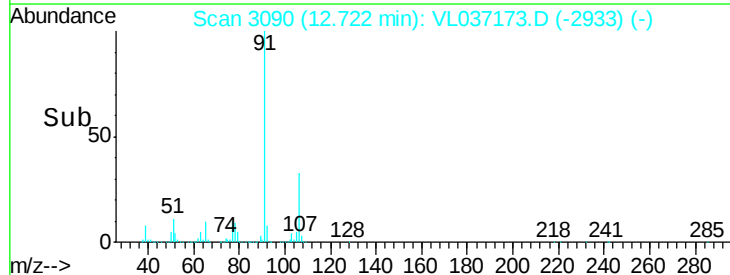
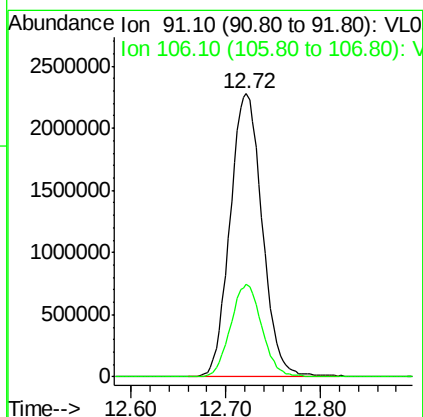
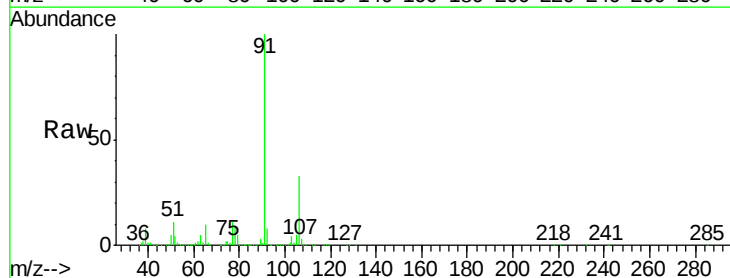
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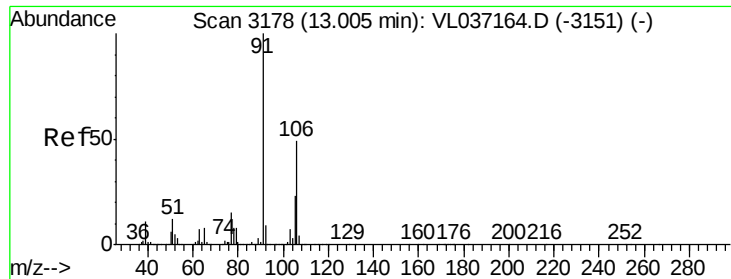
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#58
Ethyl Benzene
Concen: 9.176 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. 0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Tgt Ion: 91 Resp: 5390384
Ion Ratio Lower Upper
91 100
106 32.8 26.3 39.5





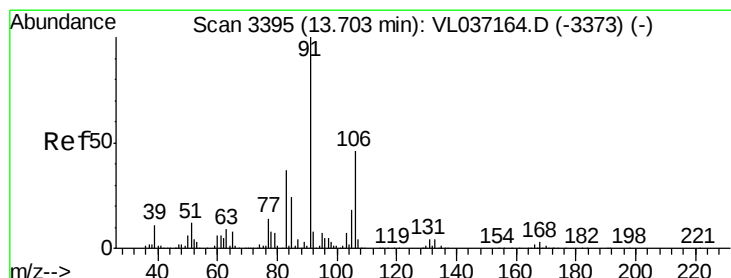
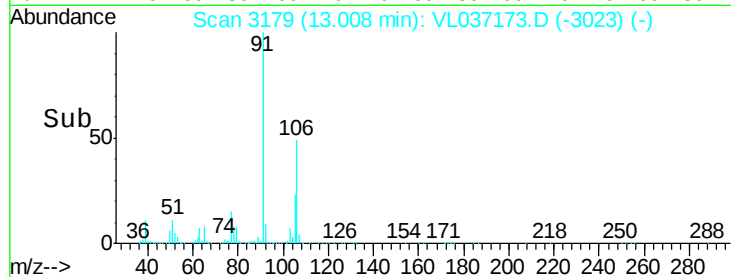
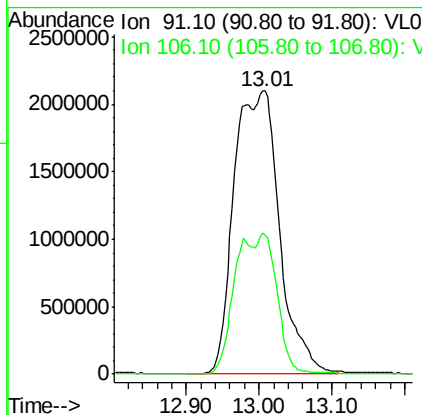
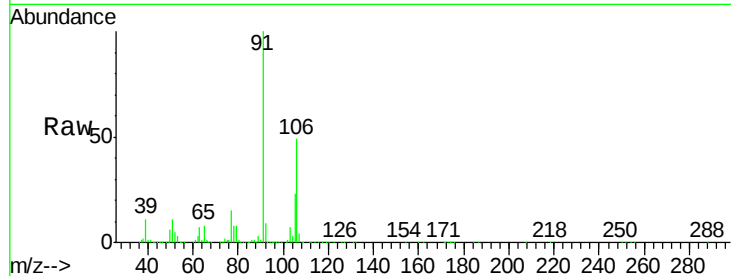
#59
m/p-Xylene
Concen: 18.307 ppbv m
RT: 13.01 min Scan# 3179
Delta R.T. 0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tot Ion: 91 Resp: 9113391
Ion Ratio Lower Upper
91 100
106 45.6 37.0 55.4

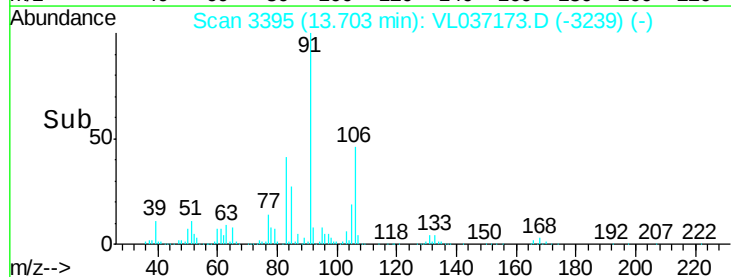
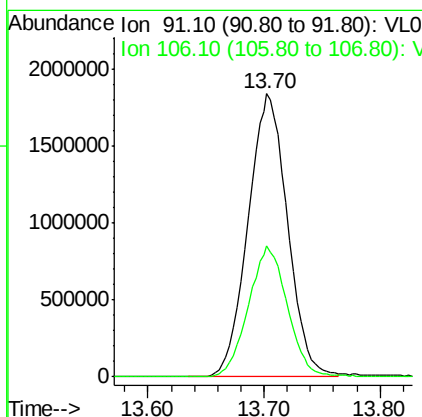
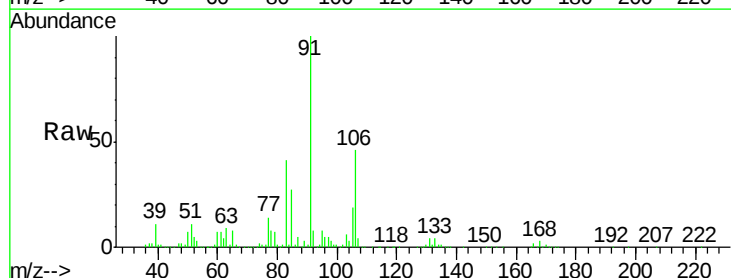
Manual Integrations
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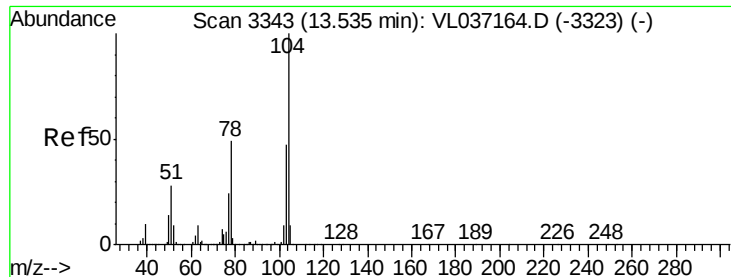
MMDadoda
6/17/2021 5:37:34 PM



#60
o-Xylene
Concen: 9.126 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Tgt Ion: 91 Resp: 4326090
Ion Ratio Lower Upper
91 100
106 45.9 23.0 69.0





#61

Stvrene

Concen: 10.138 ppbv

RT: 13.54 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

Tot Ion:104 Resp: 2480189

Ion Ratio Lower Upper

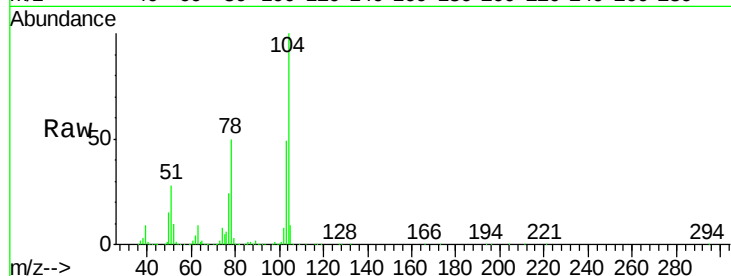
104 100

78 51.2 39.7 59.5

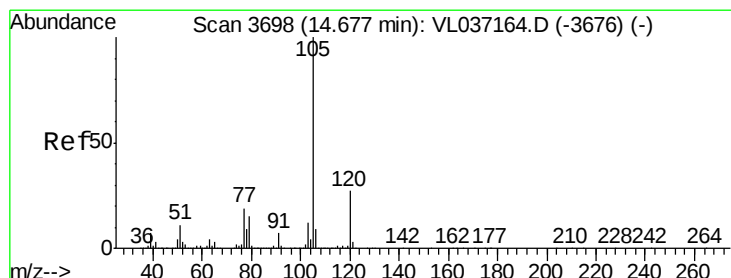
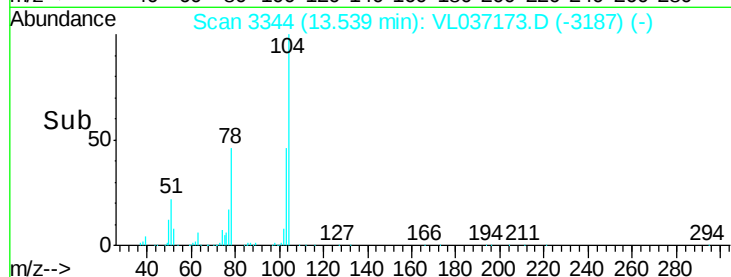
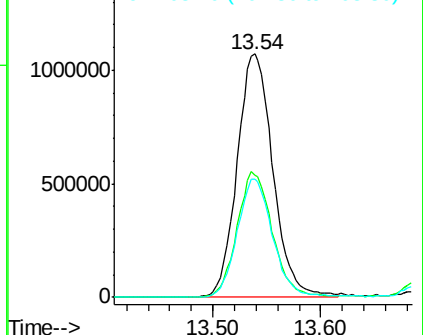
103 48.3 37.6 56.4

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Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.020 ppbv

RT: 14.68 min Scan# 3698

Delta R.T. -0.00 min

Lab File: VL037173.D

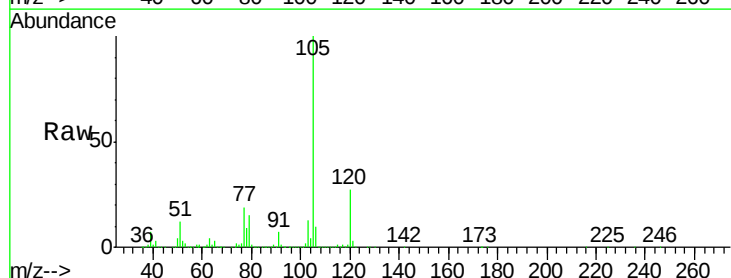
Acq: 16 Jun 2021 16:40

Tgt Ion:105 Resp: 6080208

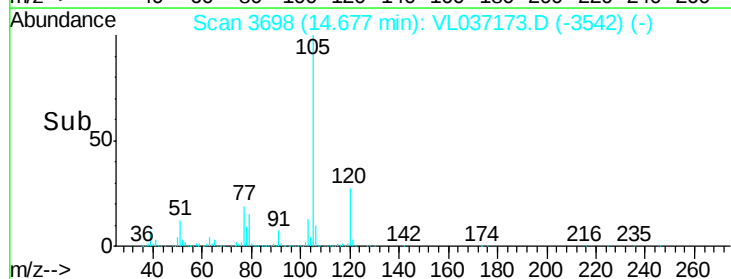
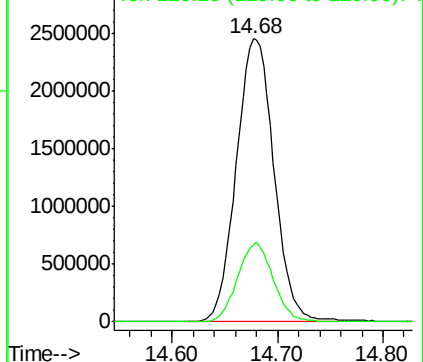
Ion Ratio Lower Upper

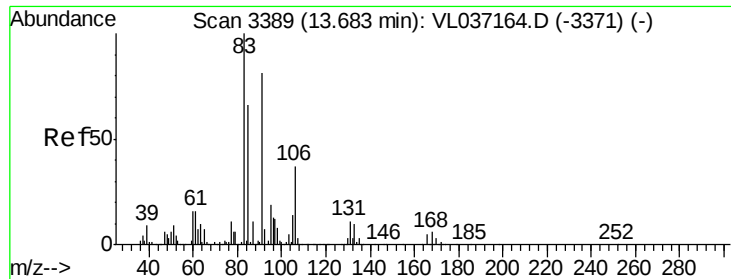
105 100

120 26.8 21.6 32.4



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





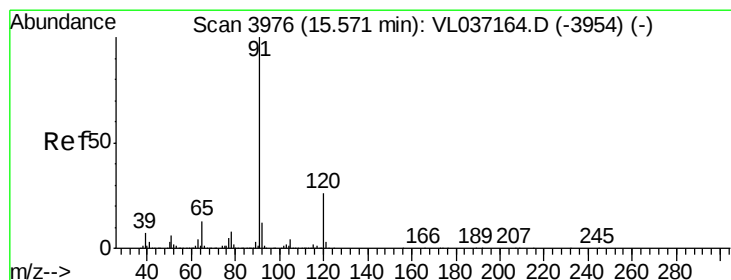
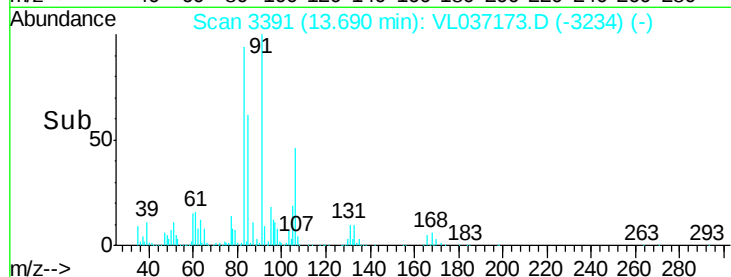
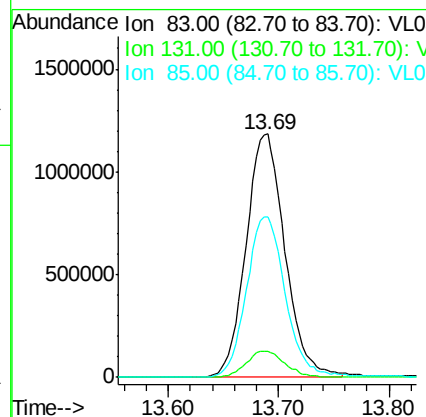
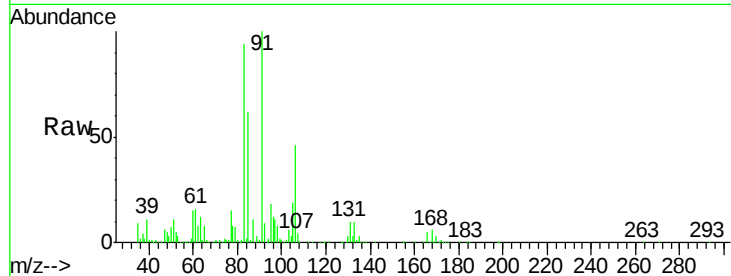
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.162 ppbv
 RT: 13.69 min Scan# 3391
 Delta R.T. 0.01 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0616ABS01

Tot Ion: 83 Resp: 2891614
 Ion Ratio Lower Upper
 83 100
 131 10.9 5.4 16.2
 85 67.1 33.1 99.2

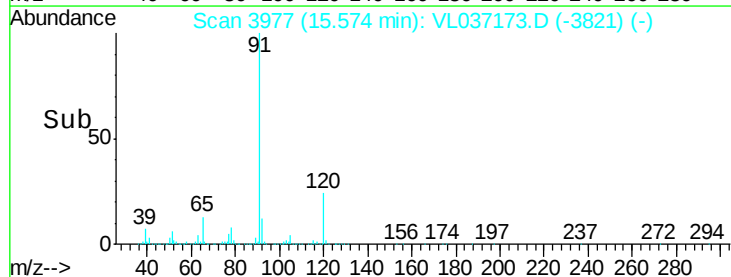
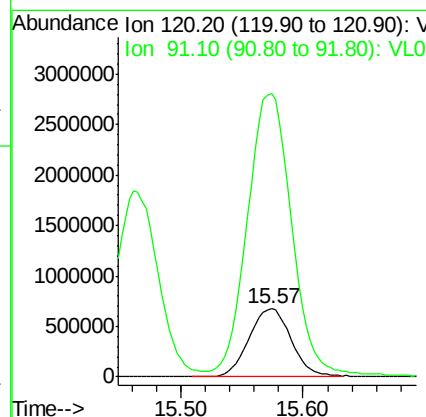
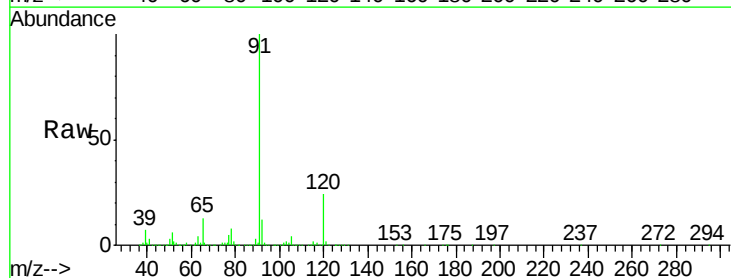
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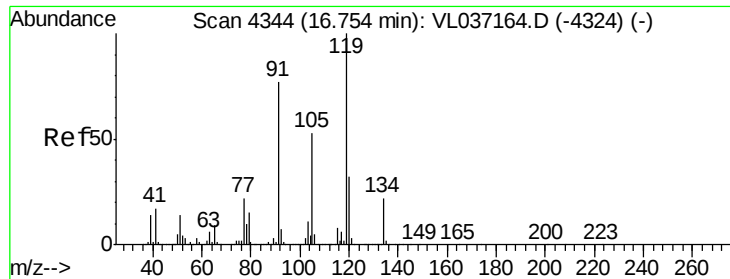
MMDadoda
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#64
 n-propylbenzene
 Concen: 9.617 ppbv
 RT: 15.57 min Scan# 3977
 Delta R.T. 0.00 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

Tgt Ion: 120 Resp: 1623447
 Ion Ratio Lower Upper
 120 100
 91 436.6 343.3 514.9





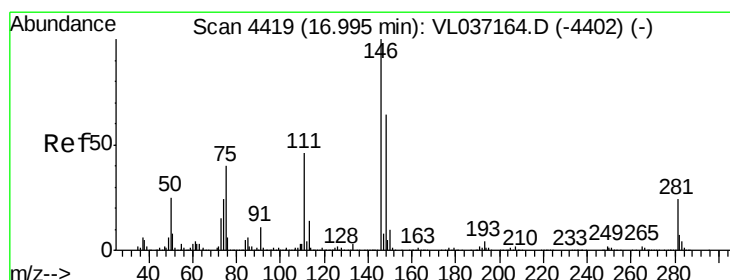
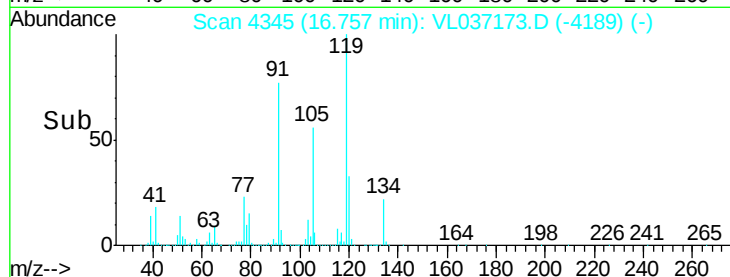
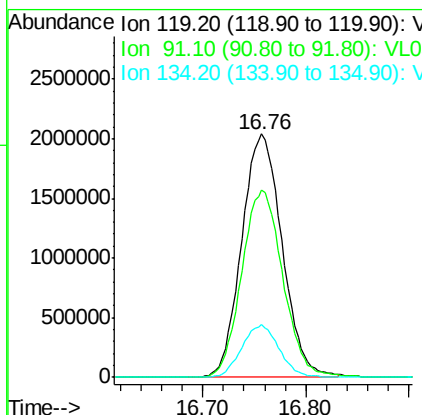
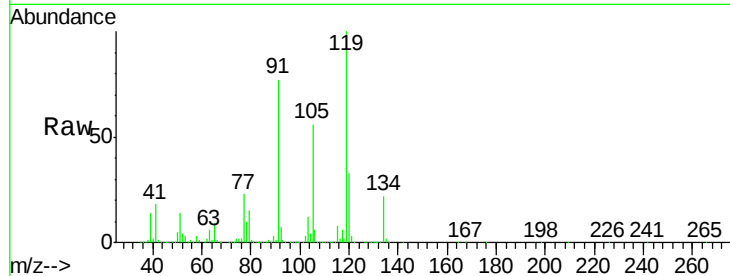
#65
tert-Butylbenzene
Concen: 9.287 ppbv
RT: 16.76 min Scan# 4345
Delta R.T. 0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	78.4	62.6	93.8
134	20.2	16.2	24.4

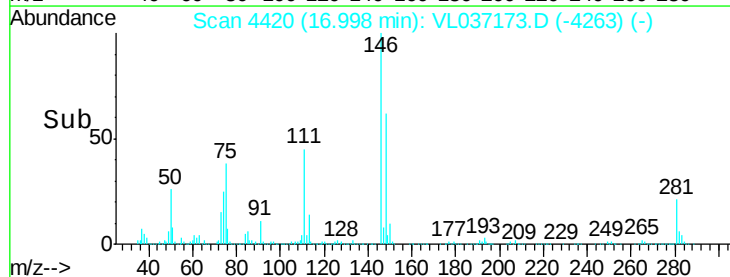
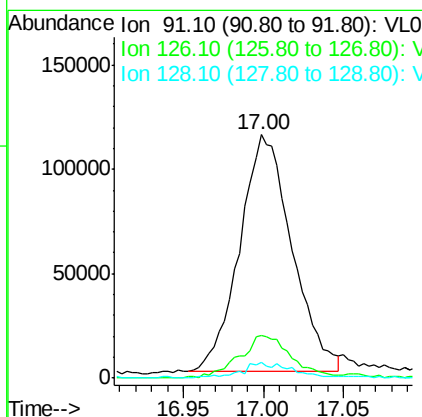
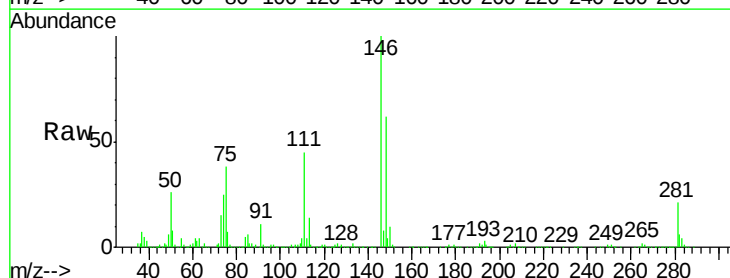
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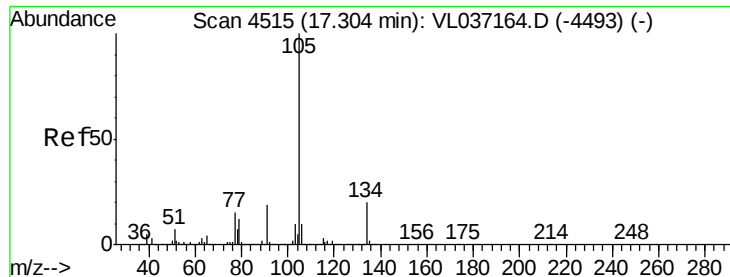
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#66
Benzyl Chloride
Concen: 10.020 ppbv
RT: 17.00 min Scan# 4420
Delta R.T. 0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	19.6	15.5	23.3
128	6.2	5.7	8.5





#67

sec-Butylbenzene

Concen: 9.284 ppbv

RT: 17.30 min Scan# 4515

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

Tot Ion:105 Resp: 7400893

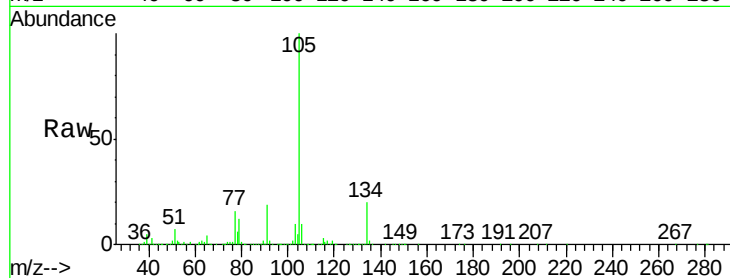
Ion Ratio Lower Upper

105 100

134 19.5 15.8 23.6

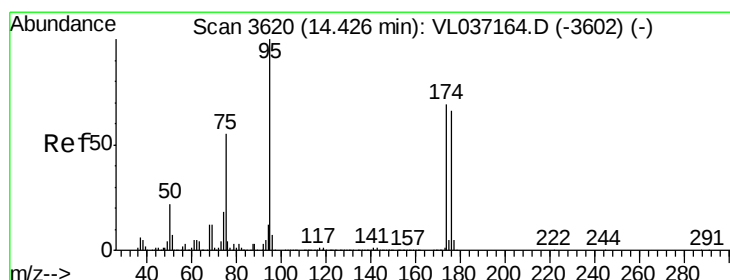
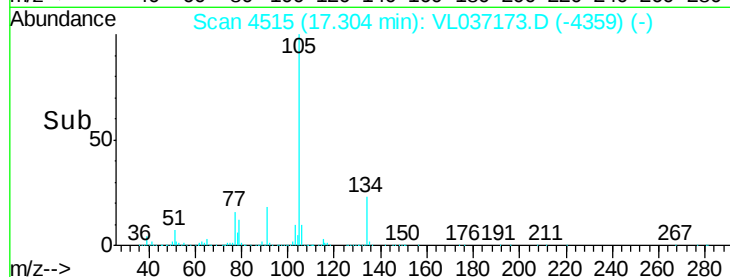
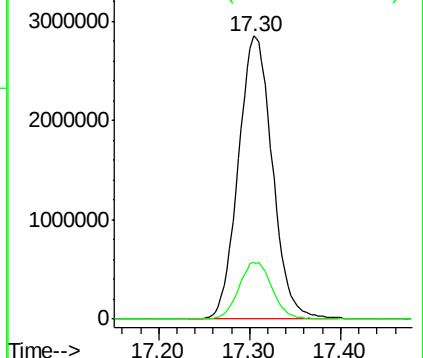
Manual Integrations
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.864 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

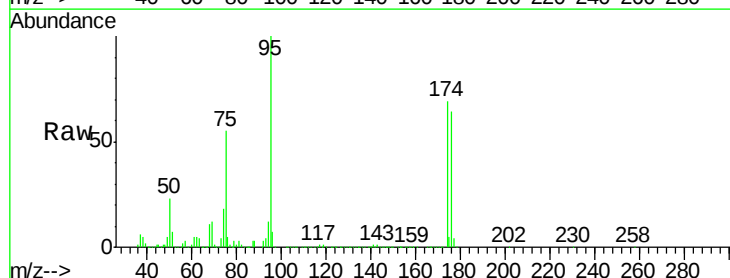
Tgt Ion: 95 Resp: 3189707

Ion Ratio Lower Upper

95 100

174 71.7 57.0 85.4

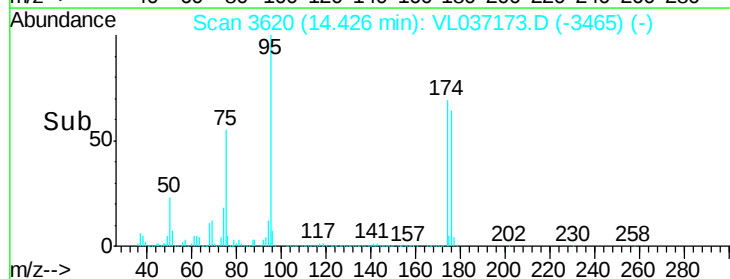
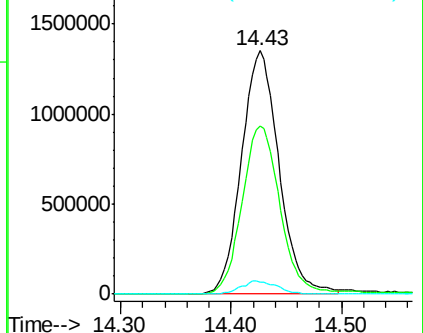
175 5.4 4.4 6.6

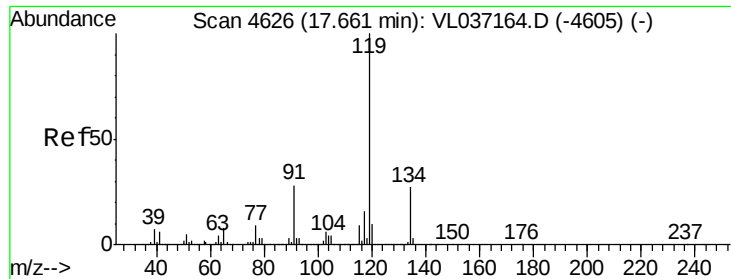


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





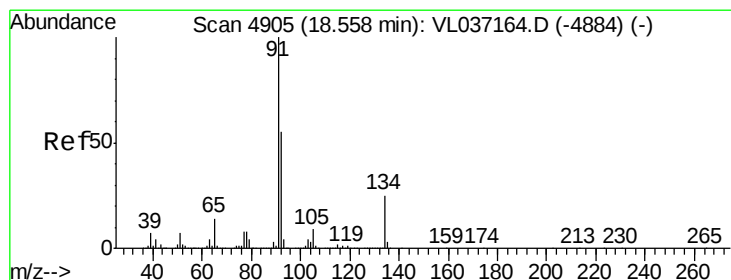
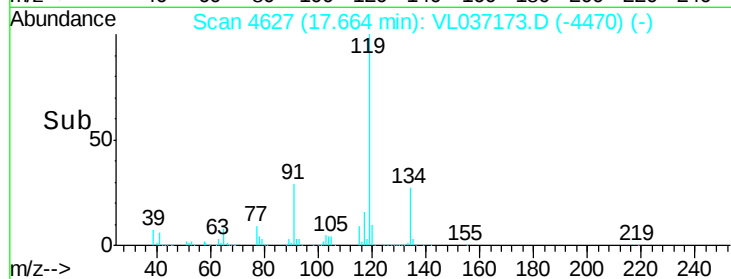
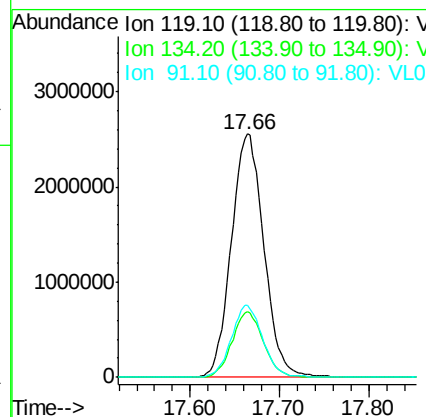
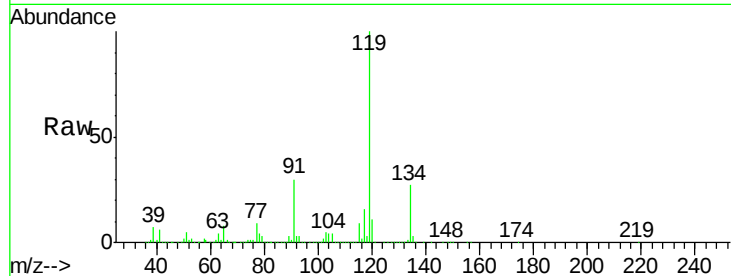
#69
 p-Isopropyltoluene
 Concen: 9.591 ppbv
 RT: 17.66 min Scan# 4627
 Delta R.T. 0.00 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0616ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.1	20.9	31.3
91	28.5	22.6	34.0

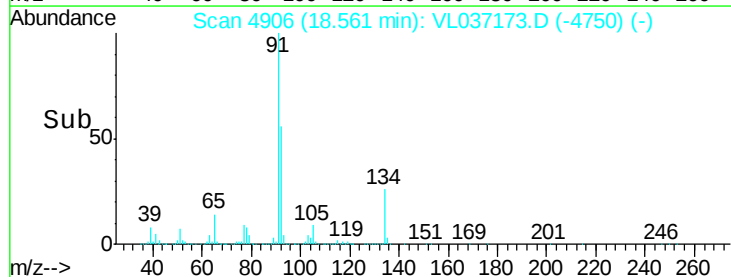
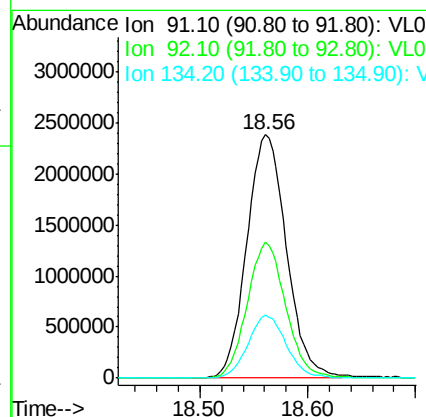
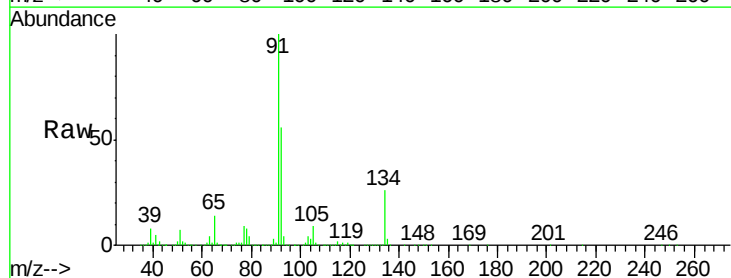
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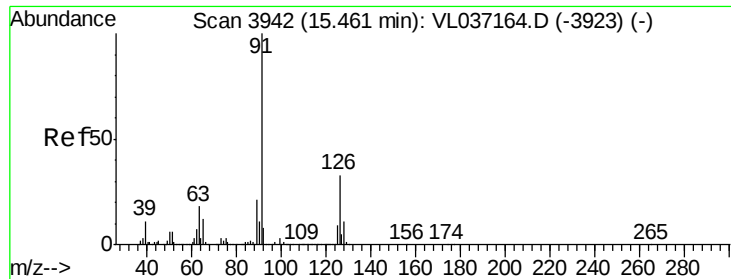
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#70
 n-Butylbenzene
 Concen: 9.763 ppbv
 RT: 18.56 min Scan# 4906
 Delta R.T. 0.00 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.7	44.0	66.0
134	25.2	20.2	30.4





#71

2-Chlorotoluene

Concen: 9.413 ppbv

RT: 15.46 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

Tot Ion: 91 Resp: 4436126

Ion Ratio Lower Upper

91 100

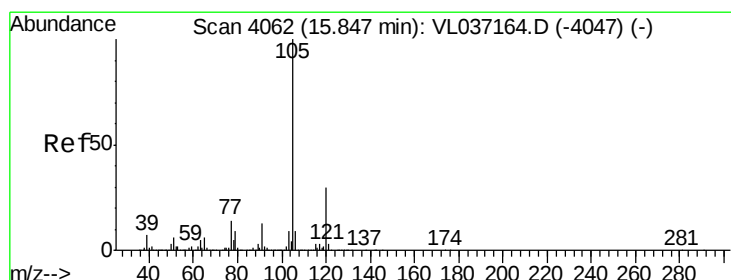
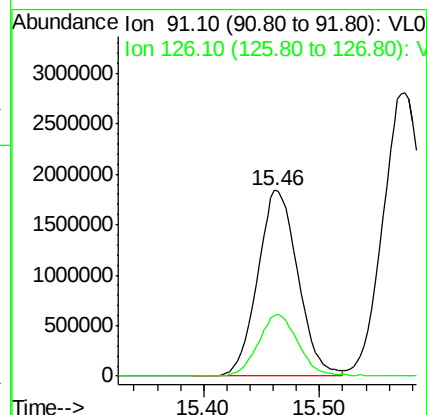
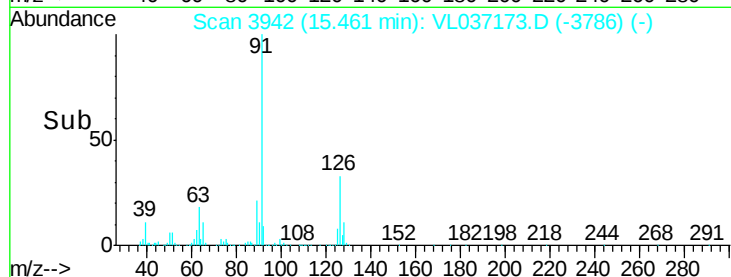
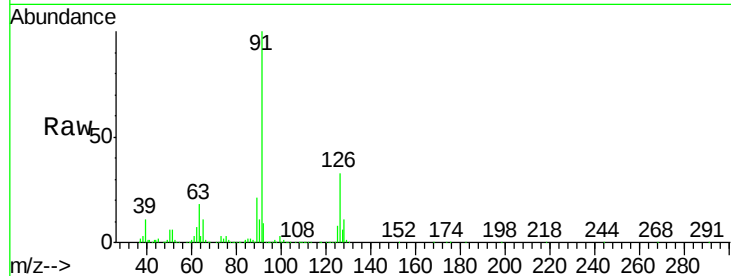
126 33.6 13.5 54.1

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#72

4-Ethyltoluene

Concen: 9.619 ppbv

RT: 15.85 min Scan# 4063

Delta R.T. 0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Tgt Ion: 105 Resp: 5179868

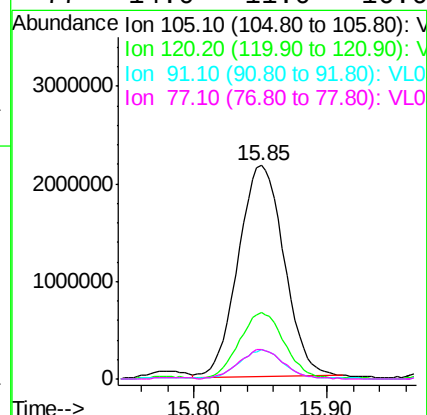
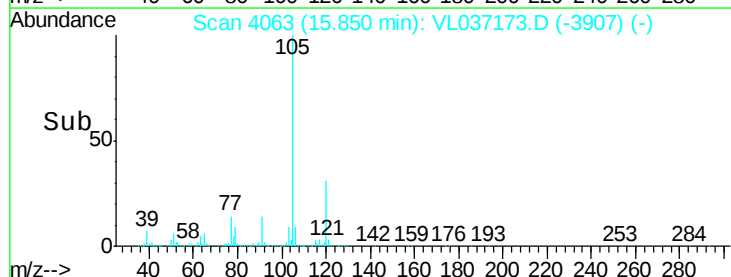
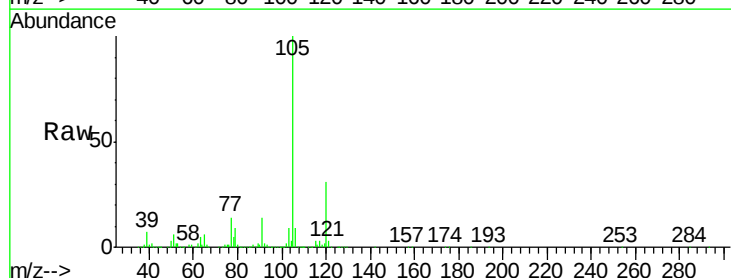
Ion Ratio Lower Upper

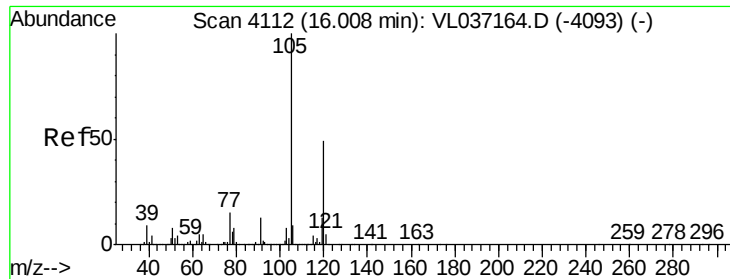
105 100

120 31.5 24.7 37.1

91 13.4 10.2 15.4

77 14.0 11.0 16.6





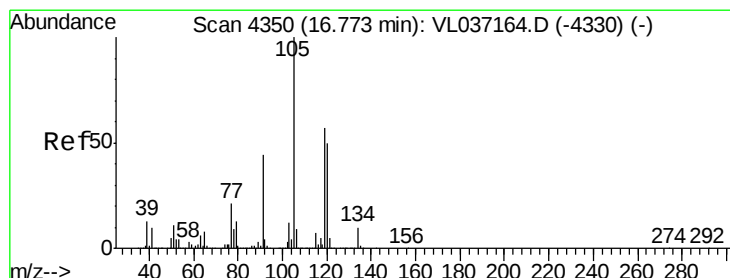
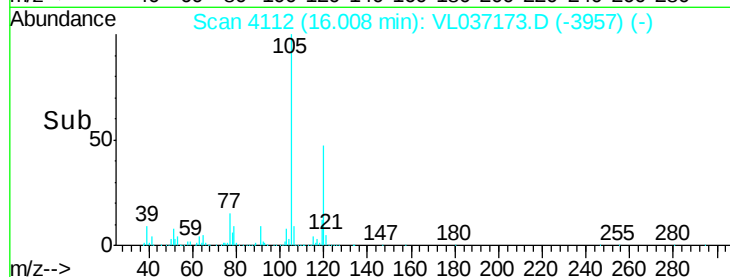
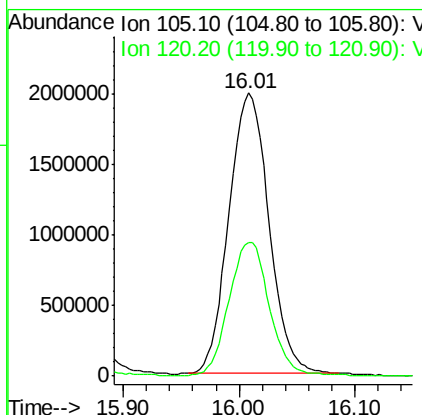
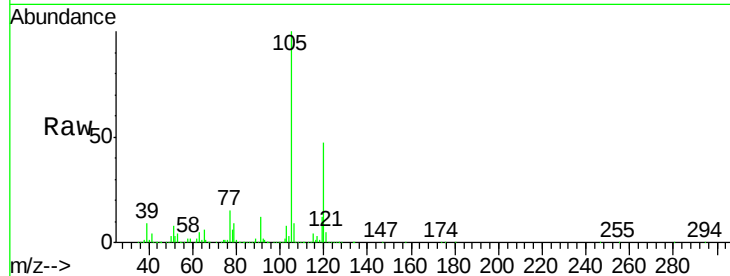
#73
 1,3,5-Trimethylbenzene
 Concen: 9.167 ppbv
 RT: 16.01 min Scan# 4112
 Delta R.T. -0.00 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0616ABS01

Tot Ion:105 Resp: 4771806
 Ion Ratio Lower Upper
 105 100
 120 47.4 39.4 59.2

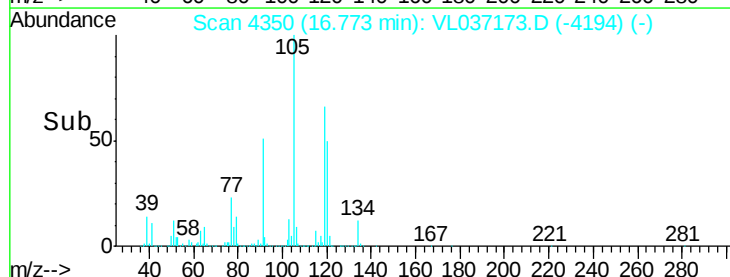
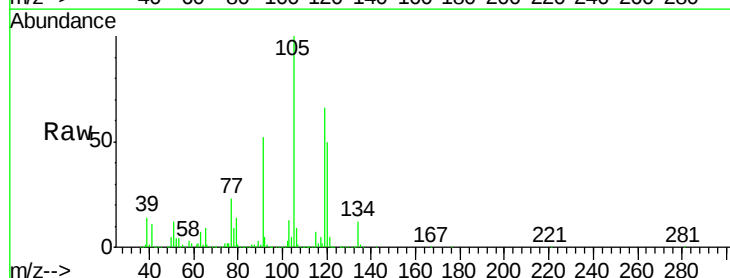
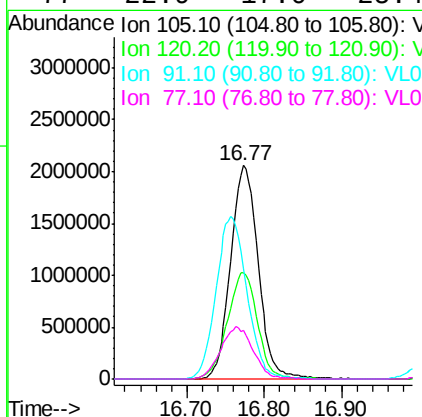
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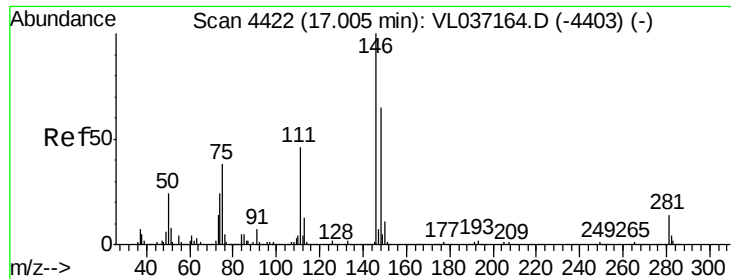
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.451 ppbv
 RT: 16.77 min Scan# 4350
 Delta R.T. -0.00 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

Tgt Ion:105 Resp: 5069130
 Ion Ratio Lower Upper
 105 100
 120 49.5 39.8 59.8
 91 51.4 37.0 55.4
 77 22.9 17.0 25.4





#75

1,3-Dichlorobenzene

Concen: 9.556 ppbv

RT: 17.01 min Scan# 4423

Delta R.T. 0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

Tot Ion:146 Resp: 3116358

Ion Ratio Lower Upper

146 100

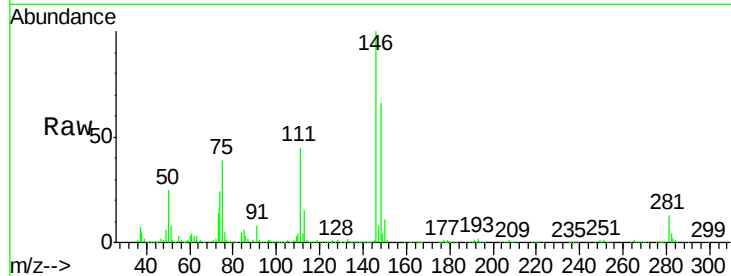
111 44.9 22.2 66.6

148 65.3 32.4 97.2

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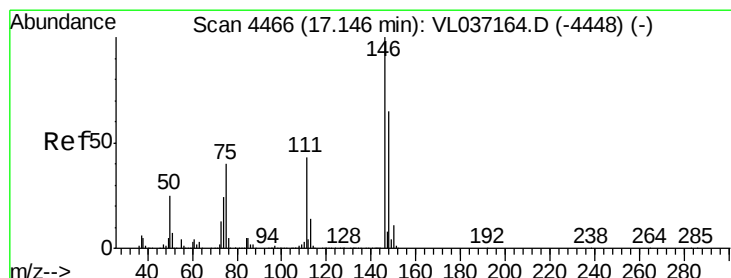
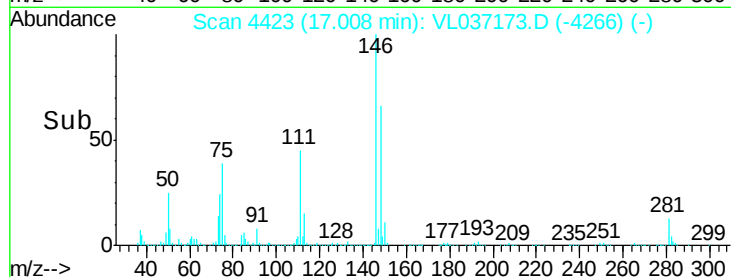
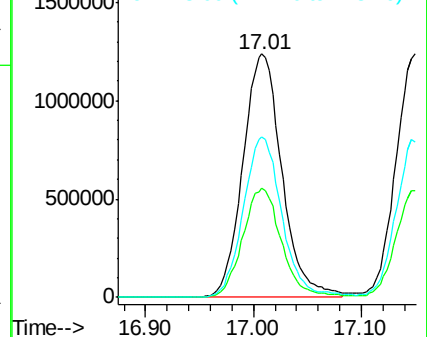
6/17/2021 5:37:34 PM



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.284 ppbv

RT: 17.15 min Scan# 4467

Delta R.T. 0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

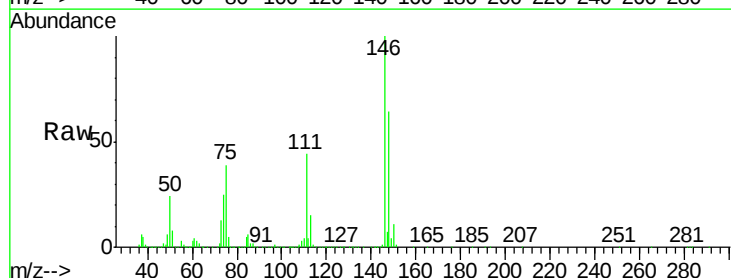
Tgt Ion:146 Resp: 3023944

Ion Ratio Lower Upper

146 100

111 44.7 22.7 68.0

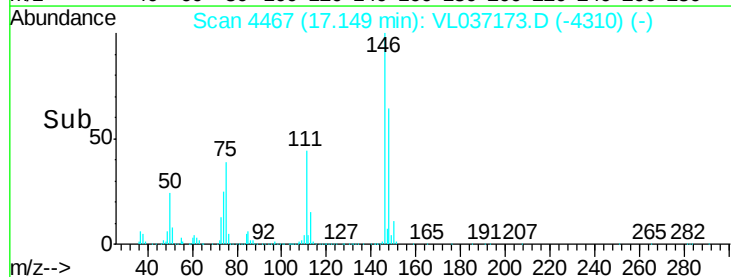
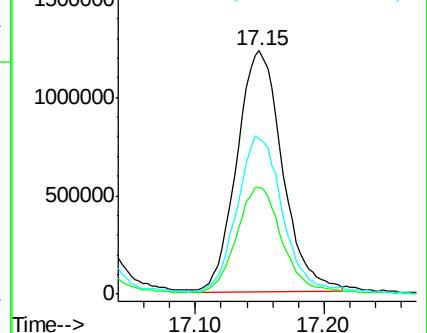
148 66.7 33.7 101.1

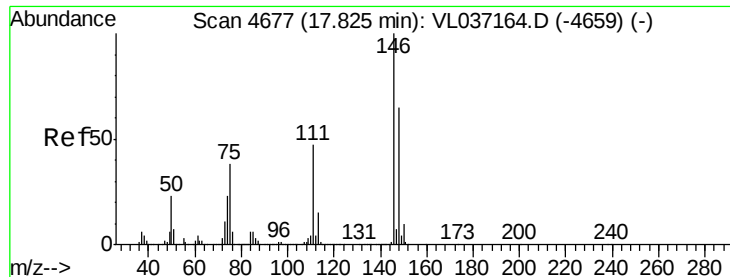


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 9.502 ppbv

RT: 17.83 min Scan# 4678

Delta R.T. 0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

Instrument :

MSVOA_L

ClientSampleId :

VL0616ABS01

Tot Ion:146 Resp: 2997537

Ion Ratio Lower Upper

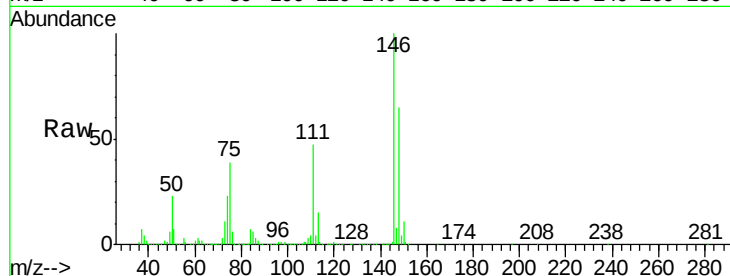
146 100

111 46.7 23.3 69.8

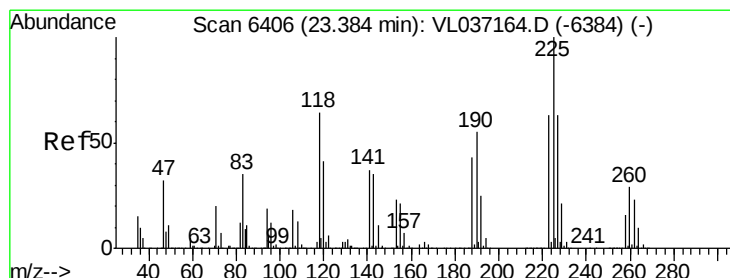
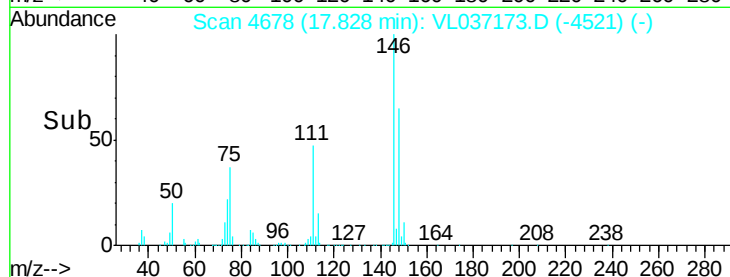
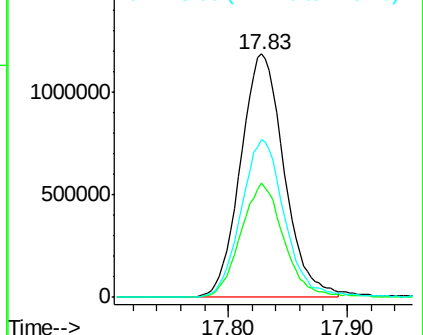
148 64.8 32.4 97.0

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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.451 ppbv

RT: 23.39 min Scan# 6407

Delta R.T. 0.00 min

Lab File: VL037173.D

Acq: 16 Jun 2021 16:40

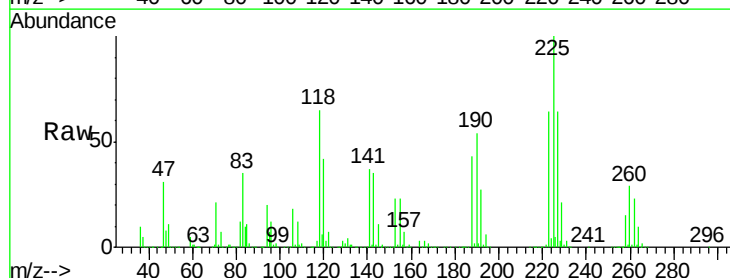
Tgt Ion:225 Resp: 2021039

Ion Ratio Lower Upper

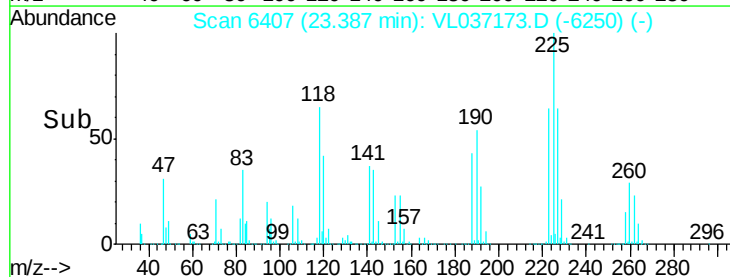
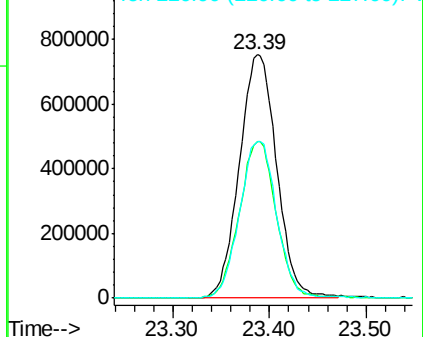
225 100

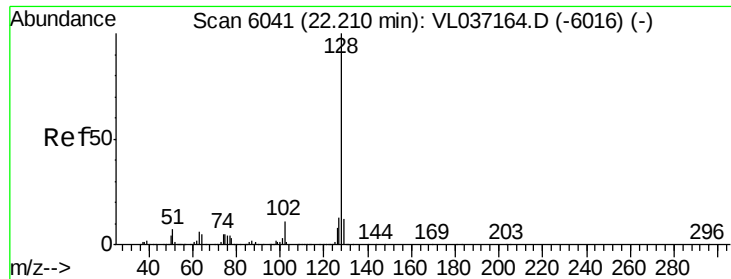
223 64.1 51.8 77.8

227 64.5 51.4 77.0



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





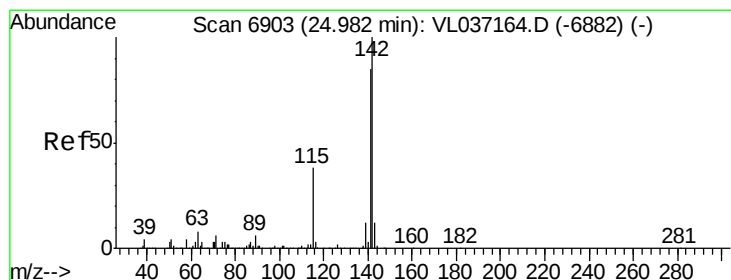
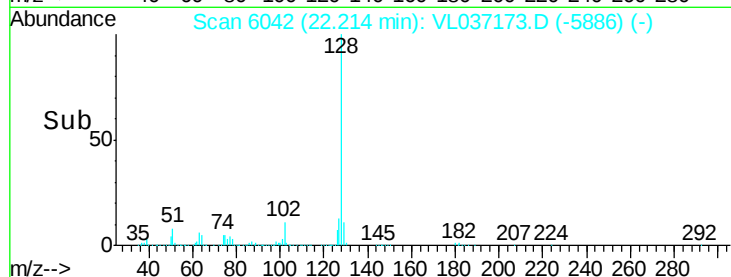
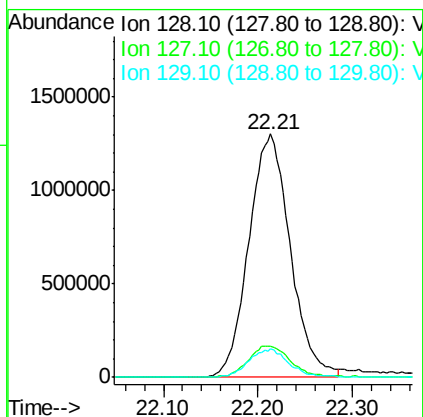
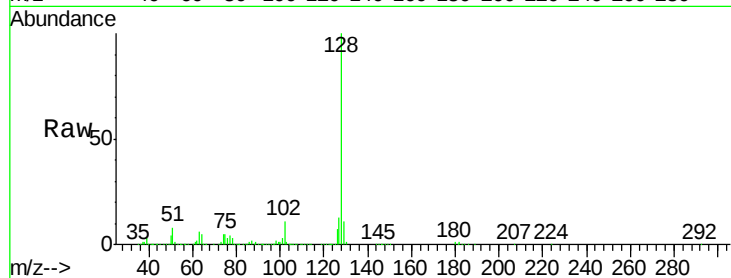
#79
Naphthalene
Concen: 8.861 ppbv
RT: 22.21 min Scan# 6042
Delta R.T. 0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Instrument :
MSVOA_L
ClientSampleId :
VL0616ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.7	16.1
129	11.5	9.3	13.9

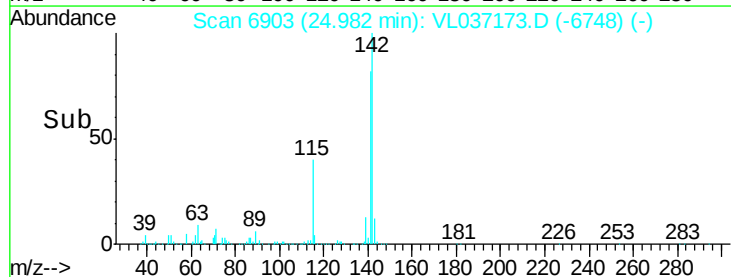
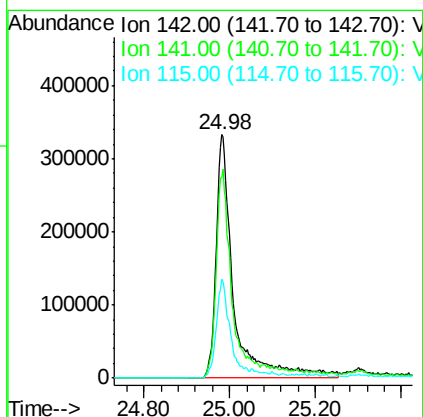
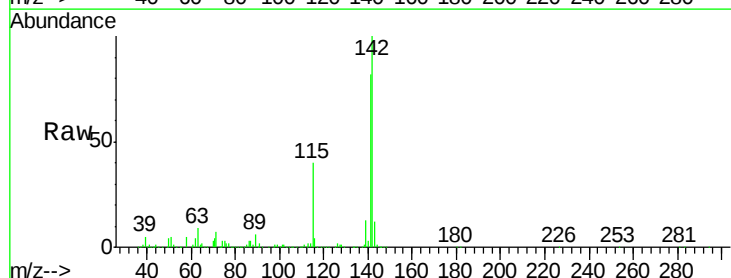
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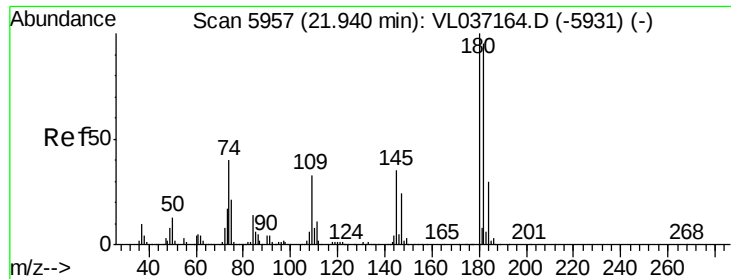
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#80
Naphthalene, 2-methyl-
Concen: 8.188 ppbv
RT: 24.98 min Scan# 6903
Delta R.T. -0.00 min
Lab File: VL037173.D
Acq: 16 Jun 2021 16:40

Tgt Ion	Ratio	Lower	Upper
142	100		
141	79.3	63.7	95.5
115	34.2	30.6	45.8





#81
 1,2,4-Trichlorobenzene
 Concen: 8.516 ppbv
 RT: 21.94 min Scan# 5957
 Delta R.T. -0.00 min
 Lab File: VL037173.D
 Acq: 16 Jun 2021 16:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0616ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.6	79.3	118.9
184	31.1	24.7	37.1

Manual Integrations
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