

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062221\
 Data File : VL037219.D
 Acq On : 22 Jun 2021 16:33
 Operator : SY/AP
 Sample : VL0622ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Manual Integrations
 APPROVED

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 6/24/2021 4:32:48 PM

Quant Time: Jun 23 12:07:07 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 1
 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	5.69	49	1616968	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.20	114	4800922	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4437136m	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3435739	10.22	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	2524545	8.977	ppbv 100
3) Chlorodifluoromethane	3.00	51	2700230	8.588	ppbv 100
4) Chloromethane	3.15	50	897865	8.569	ppbv 98
5) Vinyl Chloride	3.27	62	1010332	8.773	ppbv 100
6) Bromomethane	3.49	94	547856	7.974	ppbv 99
7) Chloroethane	3.57	64	361722	8.787	ppbv 98
8) Dichlorotetrafluoroethane	3.20	85	2562531	8.883	ppbv 98
9) Propene	3.02	41	864674	8.601	ppbv 100
10) Heptane	8.14	43	2214564	9.096	ppbv 99
11) Trichlorofluoromethane	3.96	101	2689884	8.964	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1955046	9.243	ppbv 98
13) Ethanol	3.62	45	114823m	7.383	ppbv
14) Bromoethene	3.75	108	807872	9.151	ppbv 100
15) Acetone	3.86	43	1315060	7.212	ppbv 99
16) 1,3-Butadiene	3.34	39	980517	9.096	ppbv 100
17) tert-Butyl alcohol	4.31	59	1609281	9.549	ppbv 99
18) 1,1-Dichloroethene	4.30	96	864738	9.226	ppbv 99
19) Isopropyl Alcohol	3.99	45	852289	7.717	ppbv 99
20) Methylene Chloride	4.36	84	770063m	7.054	ppbv
21) Allyl Chloride	4.43	41	1220070	8.877	ppbv 99
22) trans-1,2-Dichloroethene	4.90	96	877515	9.461	ppbv 98
23) Vinyl Acetate	5.09	43	2057682	7.870	ppbv 99
24) 1,1-Dichloroethane	5.03	63	1781107	8.461	ppbv 99
25) Ethyl Acetate	5.70	43	3467985	8.785	ppbv 99
26) Hexane	5.70	57	1675836	8.400	ppbv 99
27) Carbon Disulfide	4.57	76	2057147	10.524	ppbv 99
28) Methyl tert-Butyl Ether	5.05	73	1932798	8.058	ppbv 98
29) Chloroform	5.77	83	2749630	8.922	ppbv 98
30) Cyclohexane	7.15	84	1509912	9.083	ppbv 97
31) cis-1,2-Dichloroethene	5.57	61	1678927	9.158	ppbv 97
32) 1,1,1-Trichloroethane	6.53	97	2881857	8.738	ppbv 100
34) 2-Butanone	5.26	43	1559557	8.353	ppbv 98
35) Carbon Tetrachloride	7.04	117	3089749	9.595	ppbv 99
36) Benzene	6.91	78	3483613	8.973	ppbv 99
37) 1,2-Dichloroethane	6.33	62	2075485	9.203	ppbv 100
38) Trichloroethene	7.85	130	1476542	8.001	ppbv 98
39) 1,2-Dichloropropane	7.63	63	1340327	9.291	ppbv 99
40) 1,4-Dioxane	7.86	88	320468	8.101	ppbv 62
41) Tetrahydrofuran	6.07	42	804188	9.273	ppbv 99
42) Bromodichloromethane	7.81	83	2938970	9.446	ppbv 98
43) Methyl Methacrylate	8.03	69	1269189	9.466	ppbv 99

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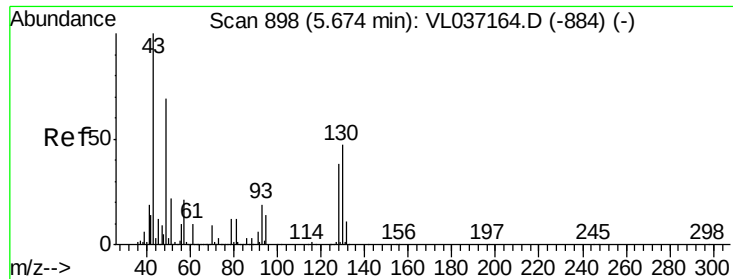
Manual Integrations
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Quant Time: Jun 23 12:07:07 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 1
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	5777443	8.838	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	924680	7.817	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1215490	7.512	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1492489	9.069	ppbv	97
48) Dibromochloromethane	10.33	129	2700274	10.394	ppbv	99
49) Bromoform	13.06	173	2243067	11.589	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2462220	9.601	ppbv	100
51) 2-Hexanone	10.16	43	1287158	10.315	ppbv	99
52) Tetrachloroethene	11.24	164	1446973	8.021	ppbv	97
53) Toluene	9.83	91	4210298	9.079	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2195981	9.284	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.15	131	1836866	9.468	ppbv #	59
57) Chlorobenzene	12.17	112	3176379	8.827	ppbv	98
58) Ethyl Benzene	12.73	91	5630962	9.218	ppbv	99
59) m/p-Xylene	13.01	91	9469758m	18.294	ppbv	
60) o-Xylene	13.71	91	4496641	9.123	ppbv	100
61) Styrene	13.55	104	2569978	10.103	ppbv	99
62) Isopropylbenzene	14.69	105	6323760	9.023	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	3007552	9.164	ppbv	99
64) n-propylbenzene	15.58	120	1694827	9.656	ppbv	99
65) tert-Butylbenzene	16.77	119	5708244	9.183	ppbv	100
66) Benzyl Chloride	17.01	91	192361	7.302	ppbv	95
67) sec-Butylbenzene	17.32	105	7580258	9.145	ppbv	100
69) p-Isopropyltoluene	17.67	119	6601665	9.429	ppbv	100
70) n-Butylbenzene	18.57	91	6257987	9.657	ppbv	99
71) 2-Chlorotoluene	15.47	91	4620117	9.428	ppbv	99
72) 4-Ethyltoluene	15.86	105	5466377	9.762	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	4940933	9.129	ppbv	100
74) 1,2,4-Trimethylbenzene	16.78	105	5128827	9.196	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	3105494	9.158	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	3015258	8.903	ppbv	100
77) 1,2-Dichlorobenzene	17.83	146	2999437	9.144	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1989840	7.055	ppbv	100
79) Naphthalene	22.22	128	3842952	8.265	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	835456	6.851	ppbv	93
81) 1,2,4-Trichlorobenzene	21.95	180	2244130	8.364	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.01 min

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VL0622ABS01

Tot Ion: 49 Resp: 1616968

Ion Ratio Lower Upper

49 100

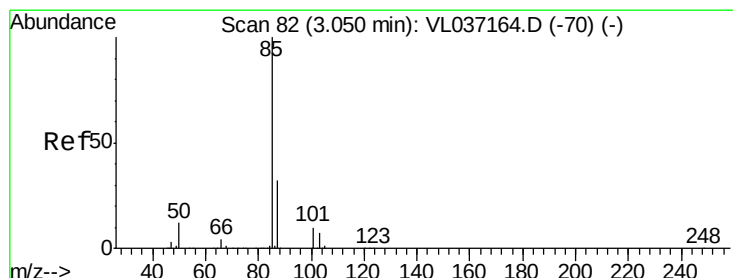
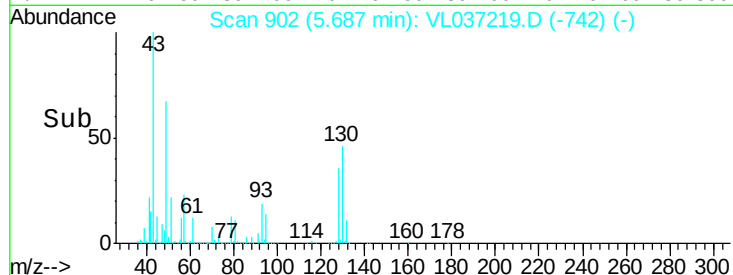
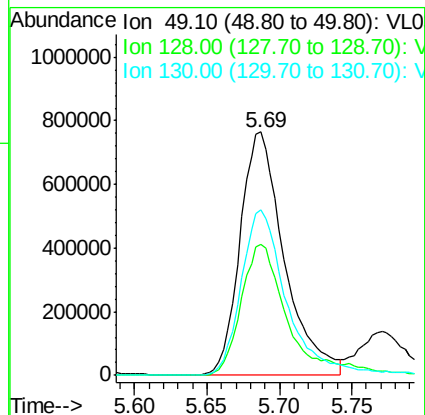
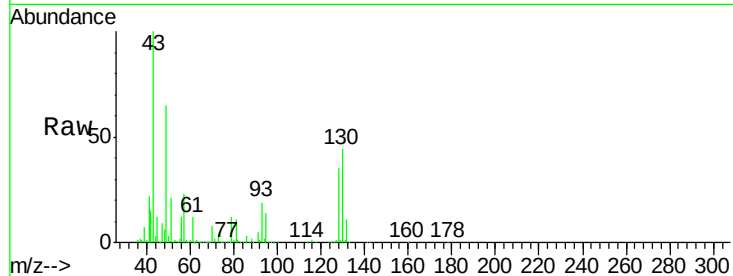
128 58.3 29.3 88.0

130 71.9 35.9 107.8

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#2

Dichlorodifluoromethane

Concen: 8.977 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.01 min

Lab File: VL037219.D

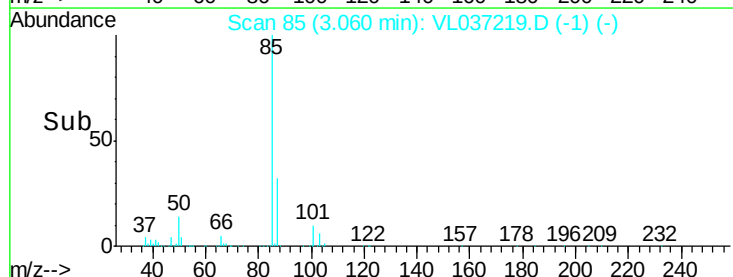
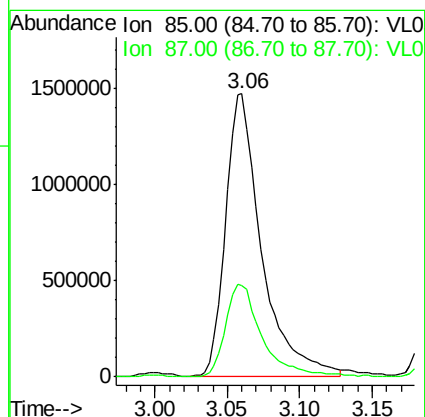
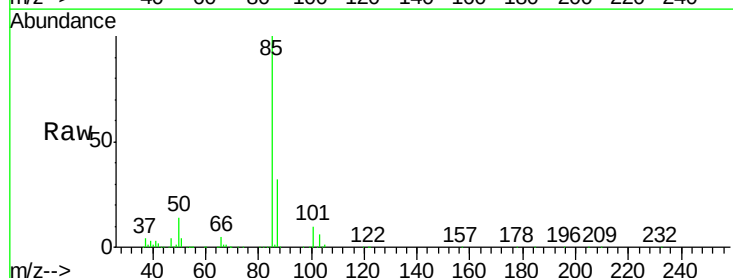
Acq: 22 Jun 2021 16:33

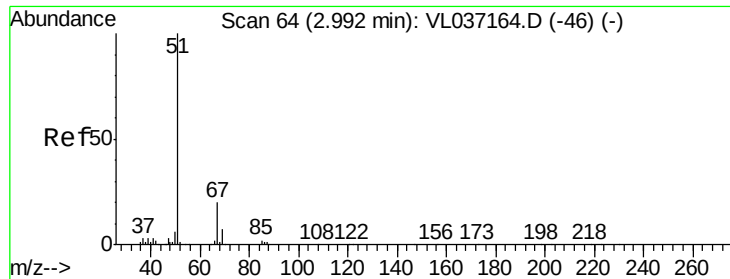
Tgt Ion: 85 Resp: 2524545

Ion Ratio Lower Upper

85 100

87 32.2 25.8 38.6





#3

Chlorodifluoromethane

Concen: 8.588 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Tot Ion: 51 Resp: 2700230

Ion Ratio Lower Upper

51 100

67 19.8 15.8 23.6

Instrument :

MSVOA_L

ClientSampleId :

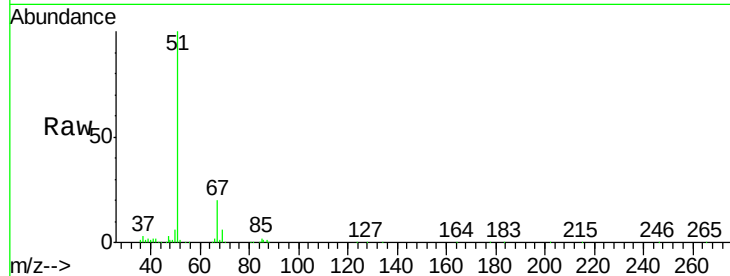
VL0622ABS01

Manual Integrations

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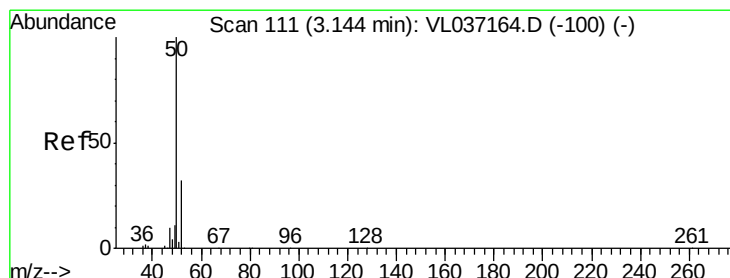
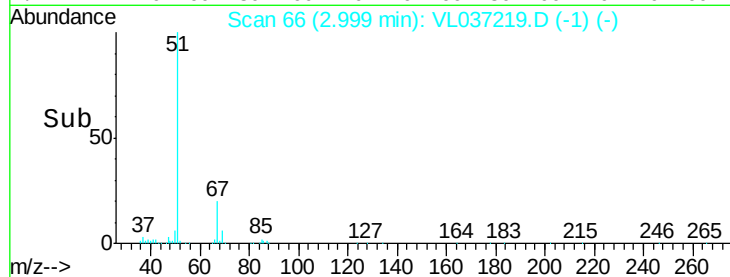
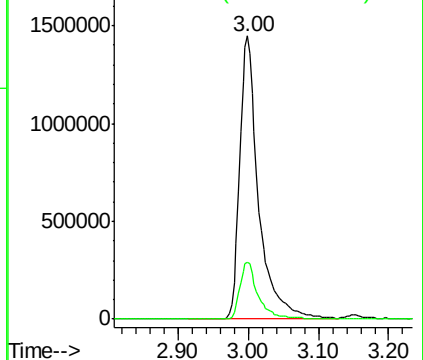
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.569 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.01 min

Lab File: VL037219.D

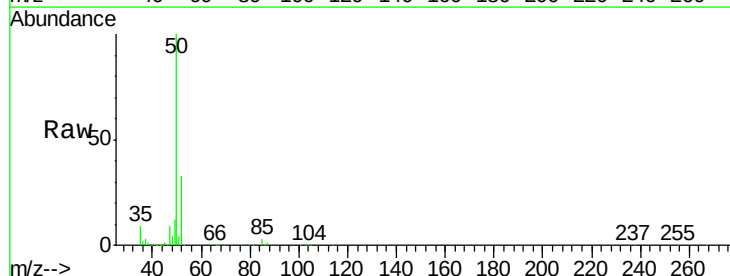
Acq: 22 Jun 2021 16:33

Tgt Ion: 50 Resp: 897865

Ion Ratio Lower Upper

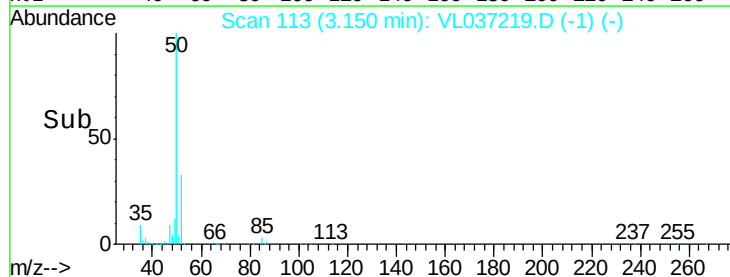
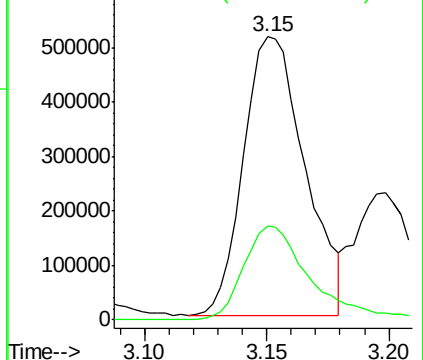
50 100

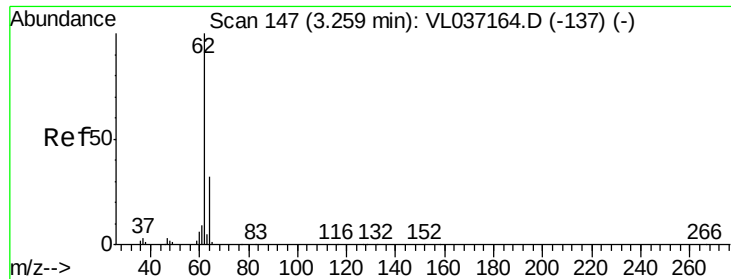
52 33.4 25.8 38.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.773 ppbv

RT: 3.27 min Scan# 150

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion: 62 Resp: 1010332

Ion Ratio Lower Upper

62 100

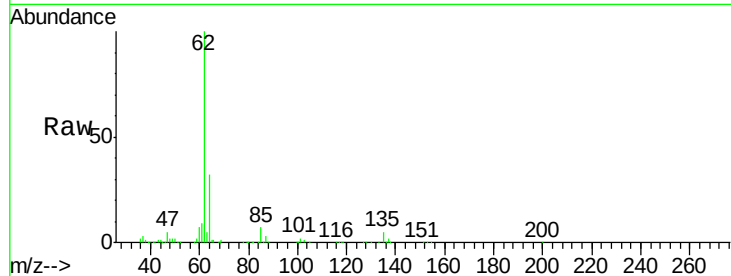
64 32.1 25.6 38.4

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.27

600000

500000

400000

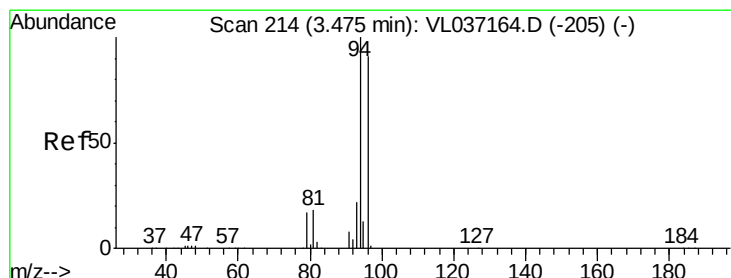
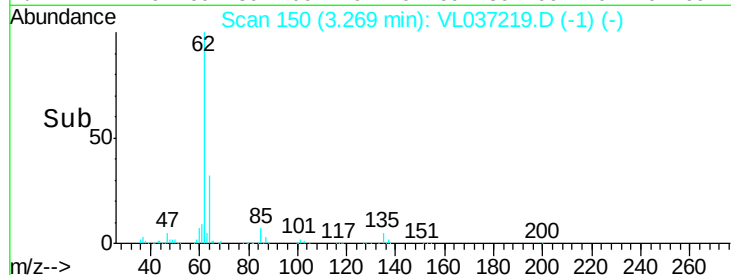
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 7.974 ppbv

RT: 3.49 min Scan# 218

Delta R.T. 0.01 min

Lab File: VL037219.D

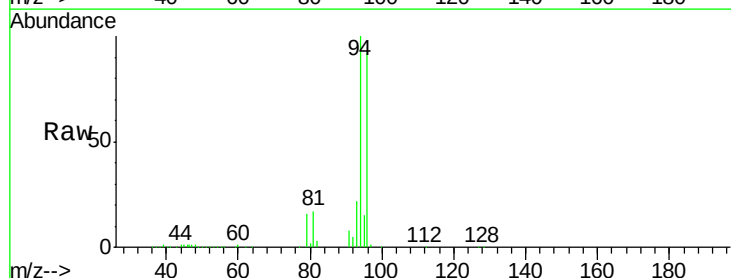
Acq: 22 Jun 2021 16:33

Tgt Ion: 94 Resp: 547856

Ion Ratio Lower Upper

94 100

96 91.9 72.6 108.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.49

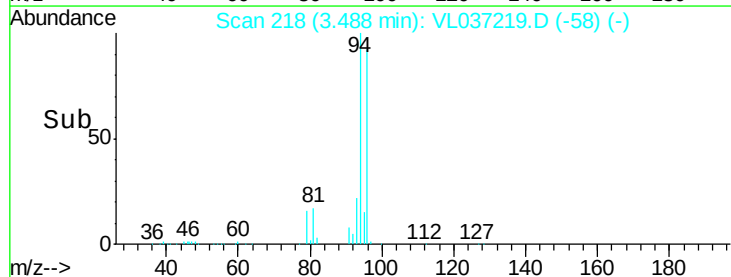
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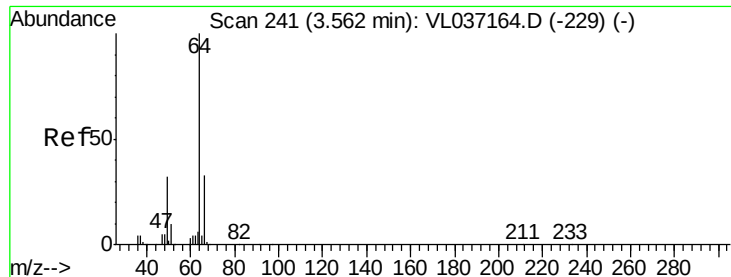
200000

100000

0

Time-->





#7

Chloroethane

Concen: 8.787 ppbv

RT: 3.57 min Scan# 243

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion: 64 Resp: 361722

Ion Ratio Lower Upper

64 100

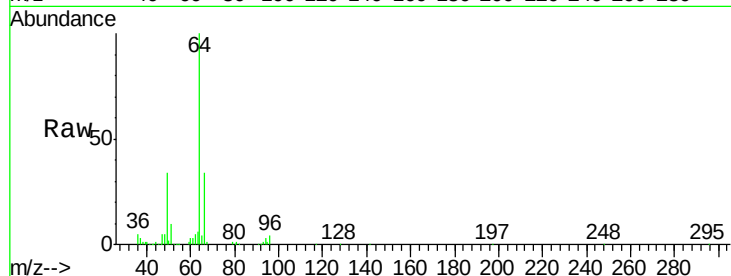
66 34.1 26.2 39.4

Manual Integrations

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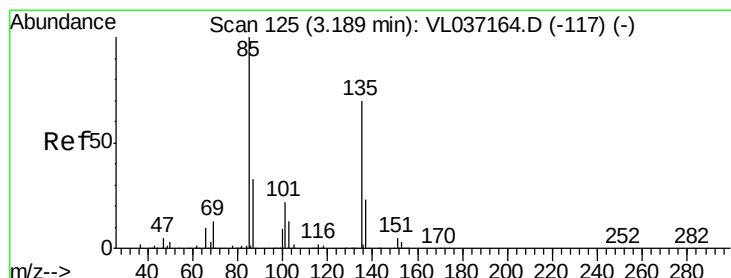
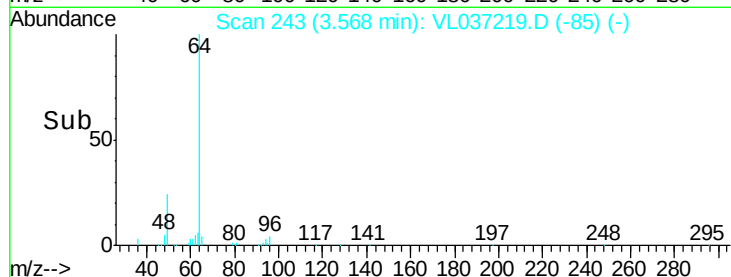
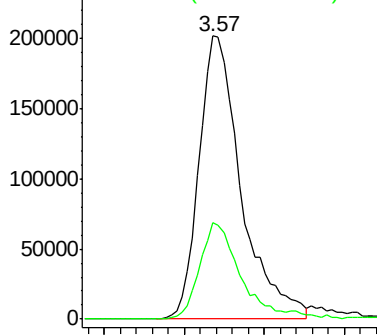
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.883 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.01 min

Lab File: VL037219.D

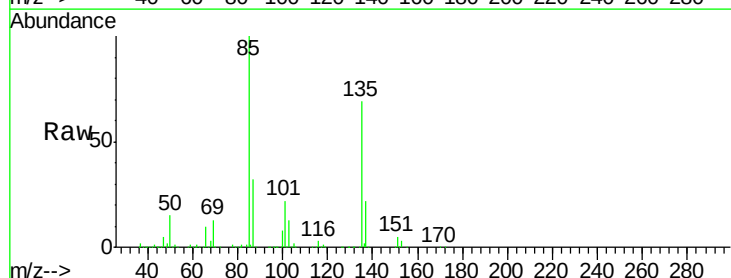
Acq: 22 Jun 2021 16:33

Tgt Ion: 85 Resp: 2562531

Ion Ratio Lower Upper

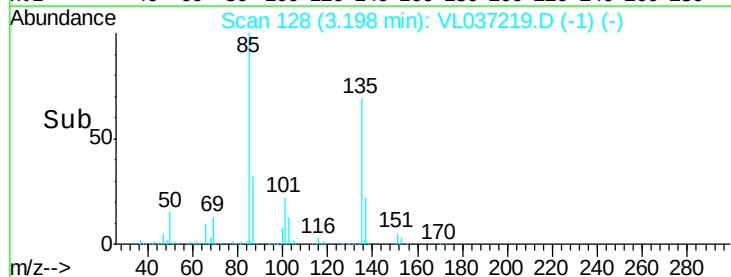
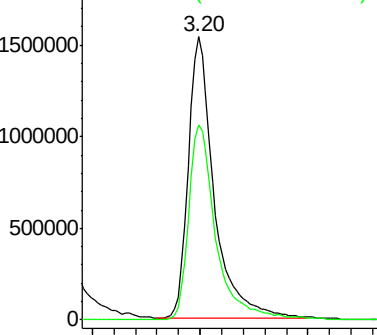
85 100

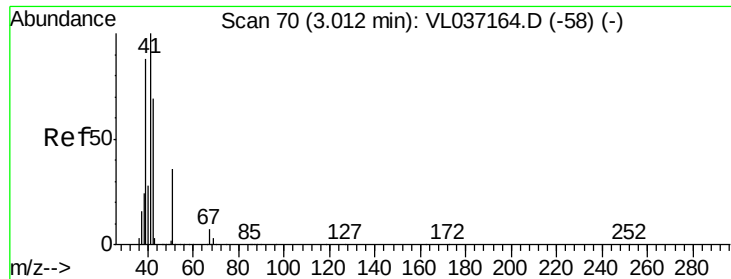
135 73.7 60.4 90.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





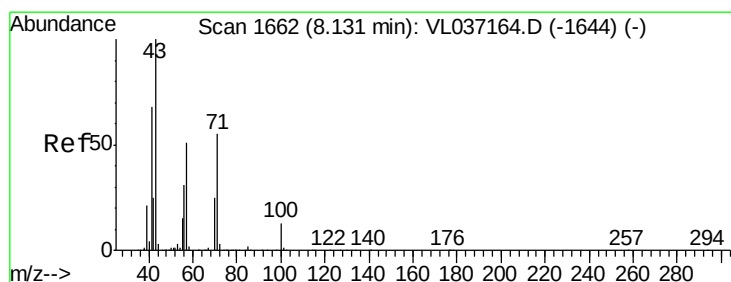
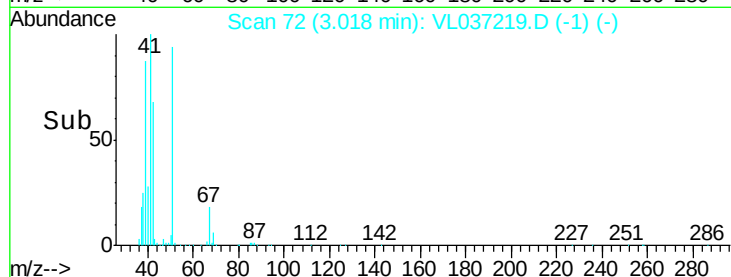
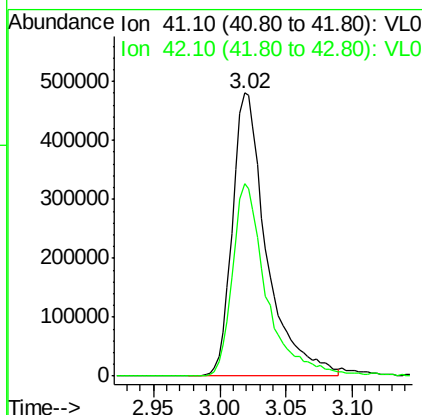
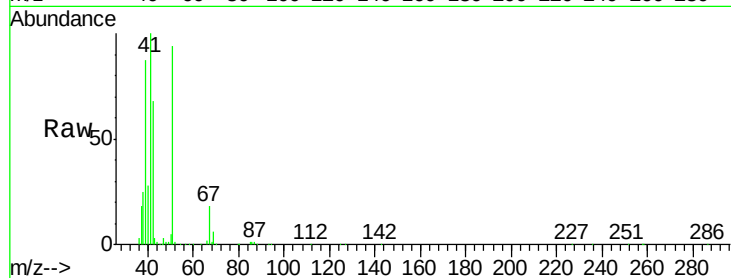
#9
 Propene
 Concen: 8.601 ppbv
 RT: 3.02 min Scan# 72
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Instrument :
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 ClientSampleId :
 VL0622ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
42	68.2	54.5	81.7

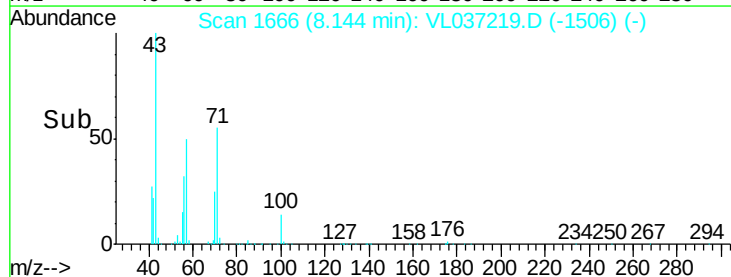
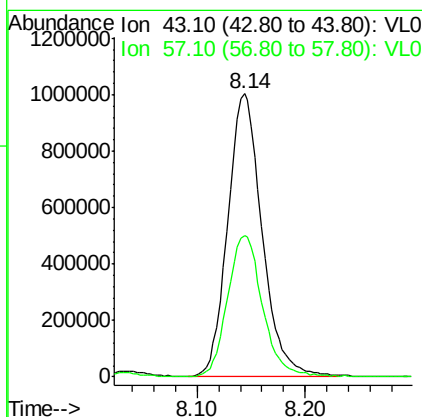
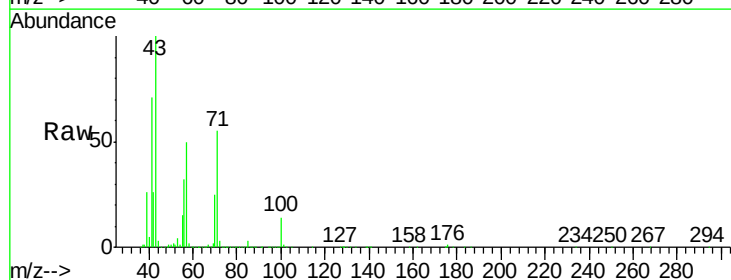
Manual Integrations
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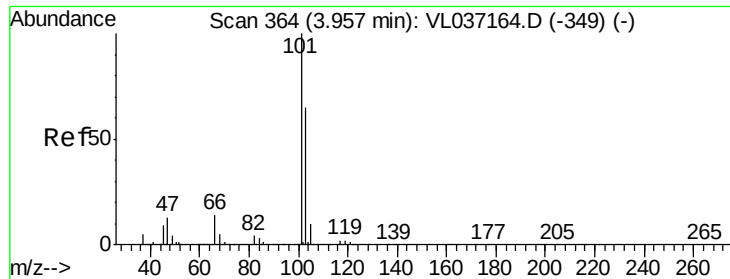
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#10
 Heptane
 Concen: 9.096 ppbv
 RT: 8.14 min Scan# 1666
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Tgt Ion	Ratio	Lower	Upper
43	100		
57	51.3	40.6	61.0





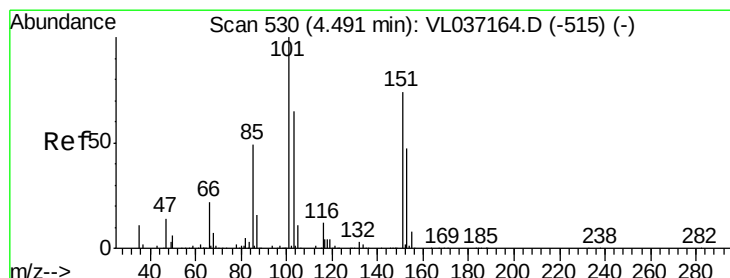
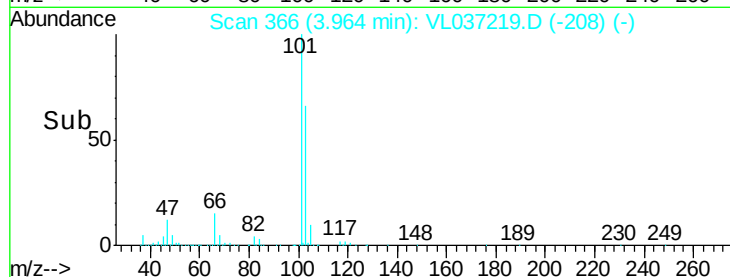
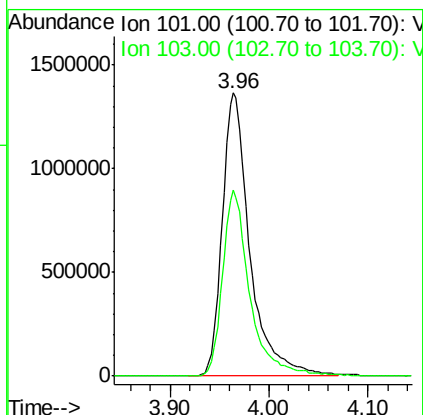
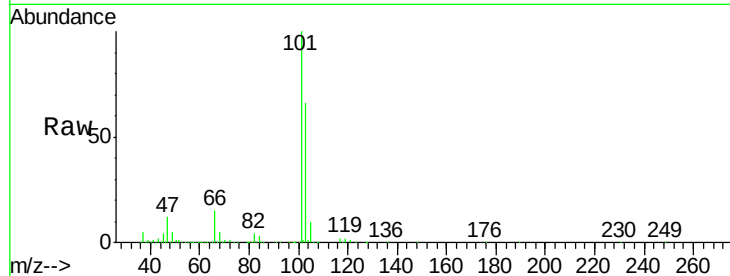
#11
 Trichlorofluoromethane
 Concen: 8.964 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Tot Ion:101 Resp: 2689884
 Ion Ratio Lower Upper
 101 100
 103 65.7 52.2 78.4

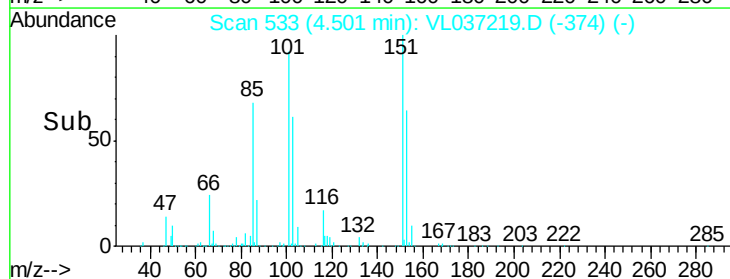
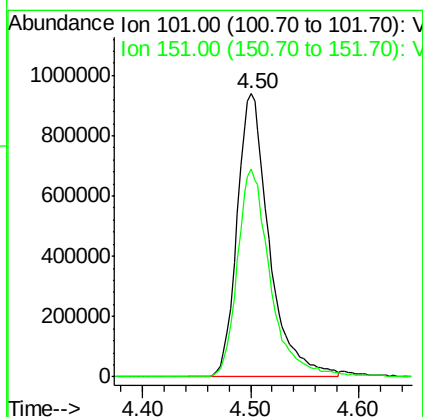
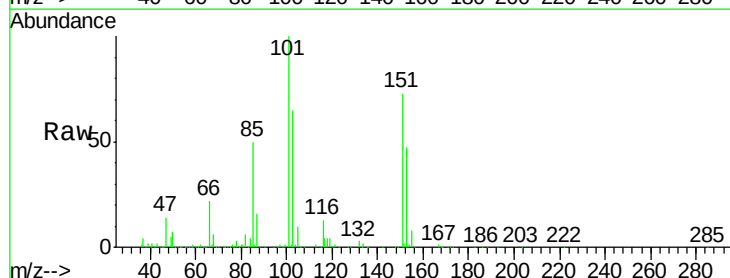
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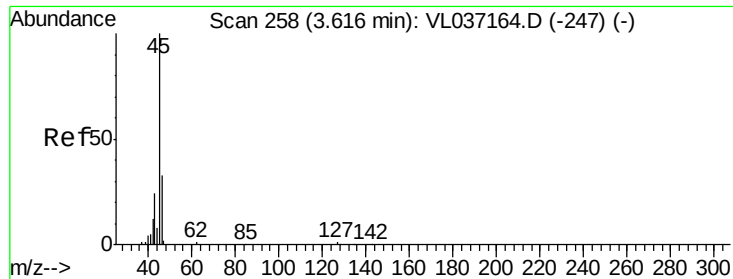
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.243 ppbv
 RT: 4.50 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Tgt Ion:101 Resp: 1955046
 Ion Ratio Lower Upper
 101 100
 151 75.6 59.1 88.7





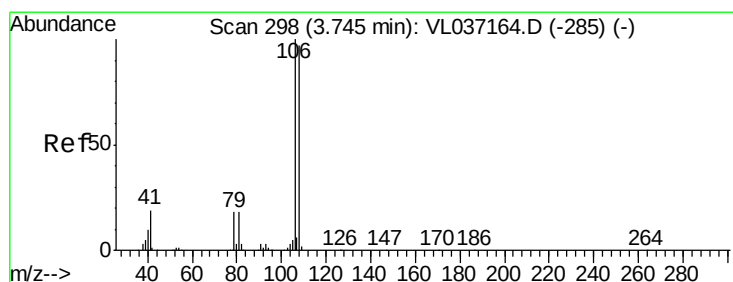
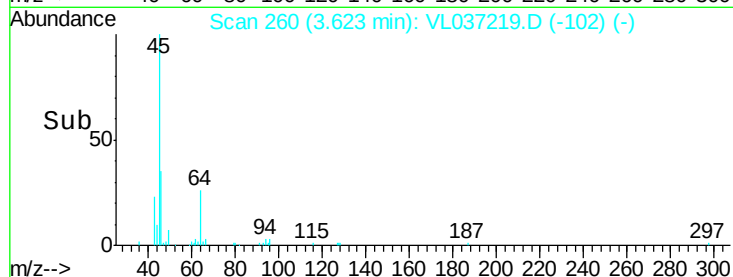
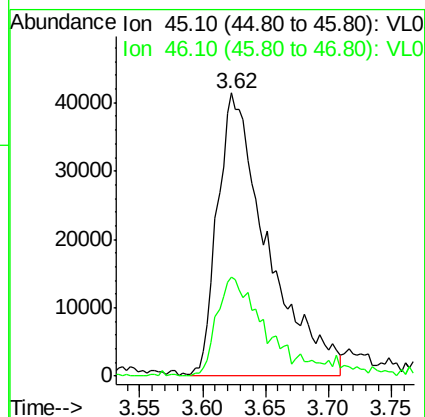
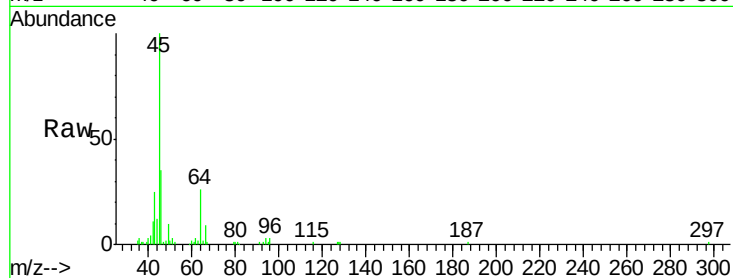
#13
Ethanol
Concen: 7.383 ppbv m
RT: 3.62 min Scan# 260
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion: 45 Resp: 114823
Ion Ratio Lower Upper
45 100
46 37.9 34.2 137.0

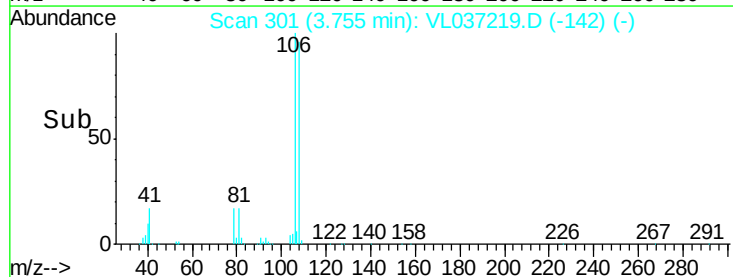
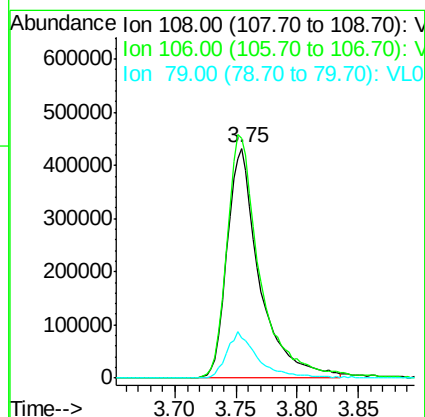
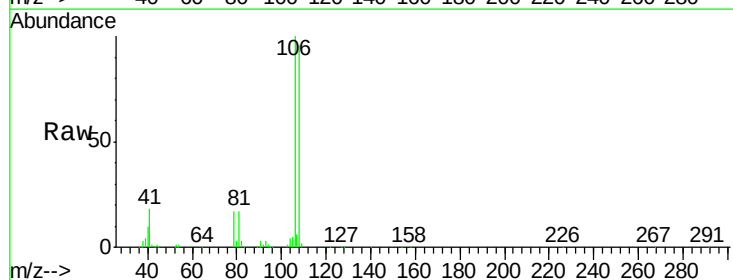
Manual Integrations
APPROVED

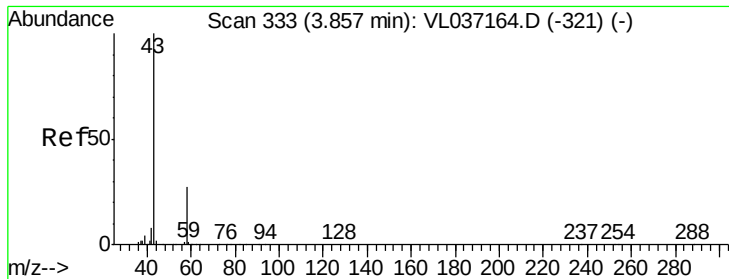
MMDadoda
6/24/2021 4:32:48 PM



#14
Bromoethene
Concen: 9.151 ppbv
RT: 3.75 min Scan# 301
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Tgt Ion: 108 Resp: 807872
Ion Ratio Lower Upper
108 100
106 108.9 86.8 130.2
79 19.9 15.6 23.4





#15

Acetone

Concen: 7.212 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion: 43 Resp: 1315060

Ion Ratio Lower Upper

43 100

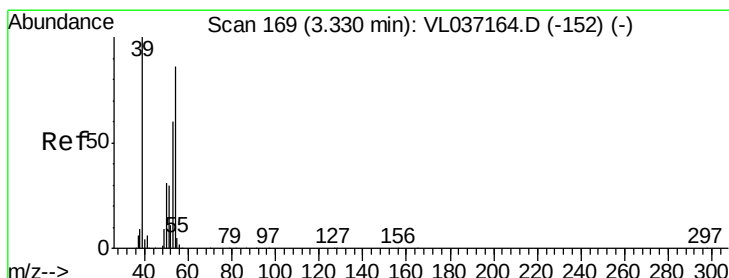
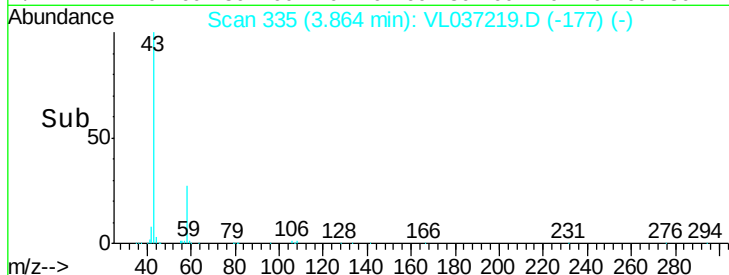
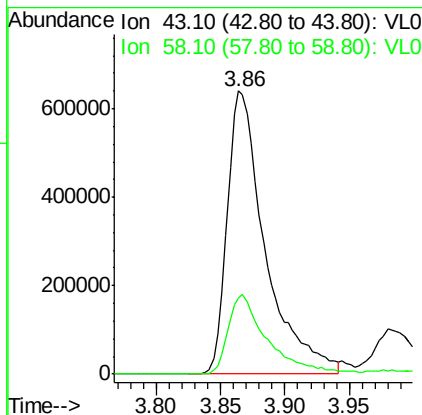
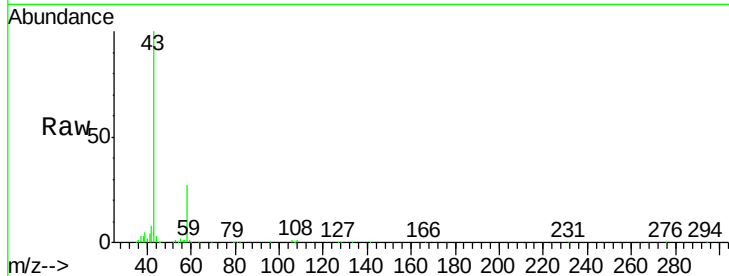
58 29.1 23.7 35.5

Manual Integrations

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#16

1,3-Butadiene

Concen: 9.096 ppbv

RT: 3.34 min Scan# 172

Delta R.T. 0.01 min

Lab File: VL037219.D

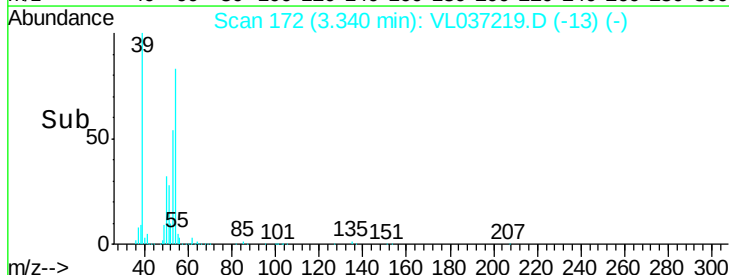
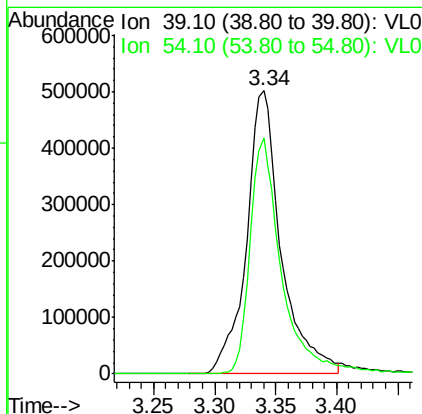
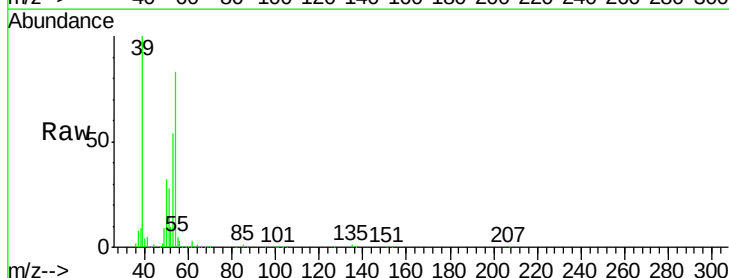
Acq: 22 Jun 2021 16:33

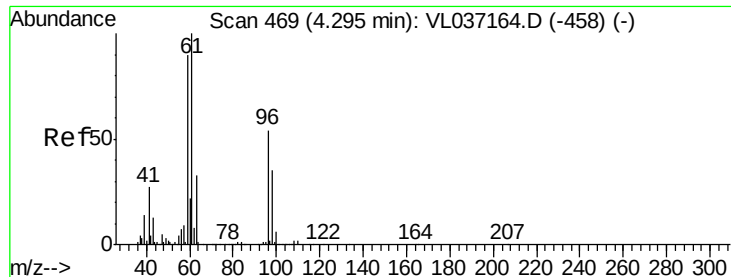
Tgt Ion: 39 Resp: 980517

Ion Ratio Lower Upper

39 100

54 76.3 61.2 91.8





#17

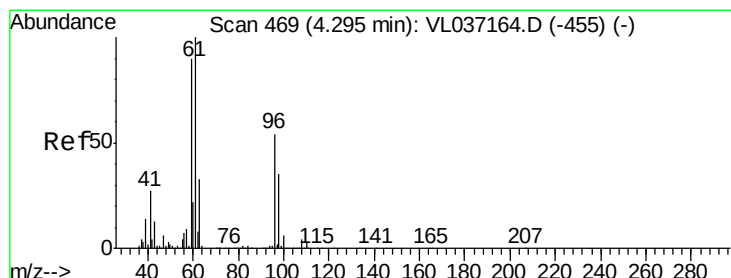
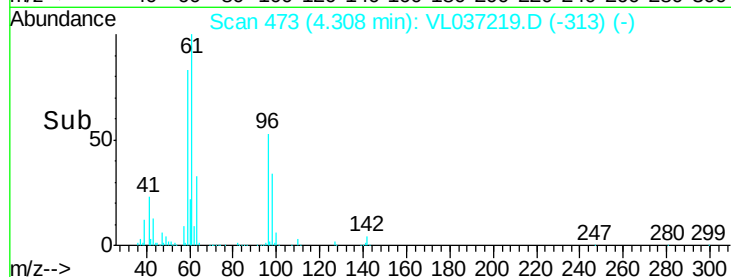
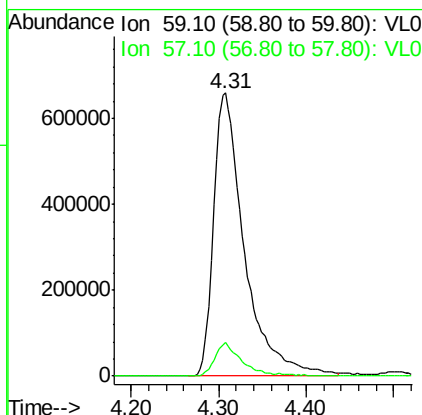
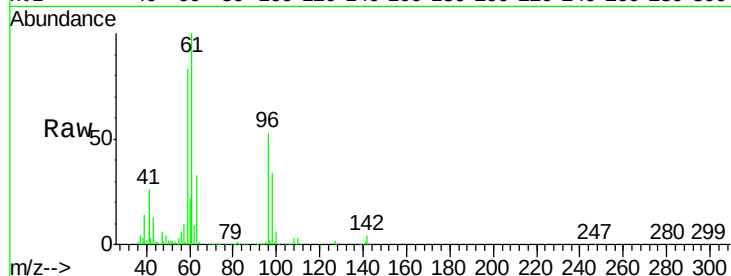
tert-Butyl alcohol
Concen: 9.549 ppbv
RT: 4.31 min Scan# 473
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion: 59 Resp: 1609281
Ion Ratio Lower Upper
59 100
57 10.6 8.8 13.2

Manual Integrations
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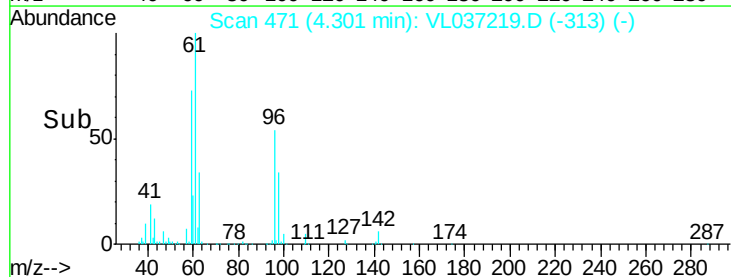
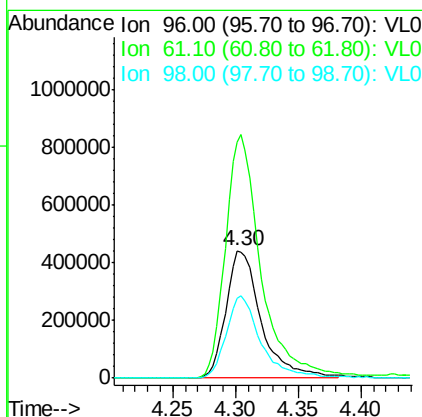
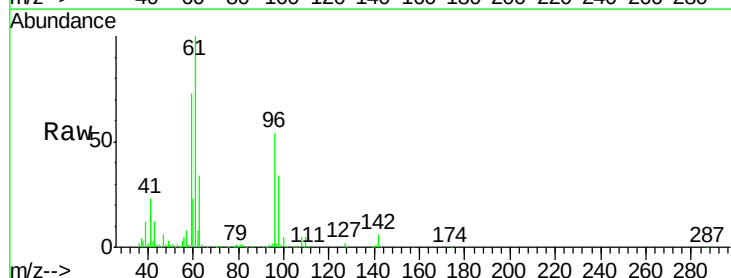
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6/24/2021 4:32:48 PM

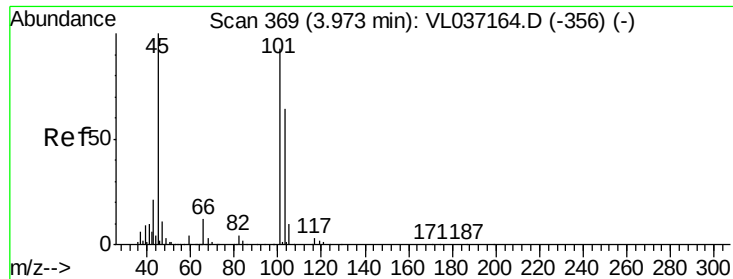


#18

1,1-Dichloroethene
Concen: 9.226 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Tgt Ion: 96 Resp: 864738
Ion Ratio Lower Upper
96 100
61 185.3 148.6 222.8
98 62.3 51.9 77.9





#19

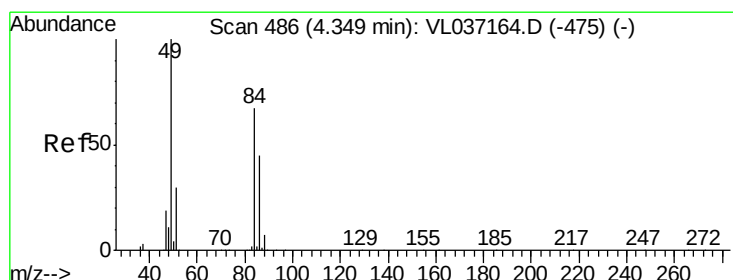
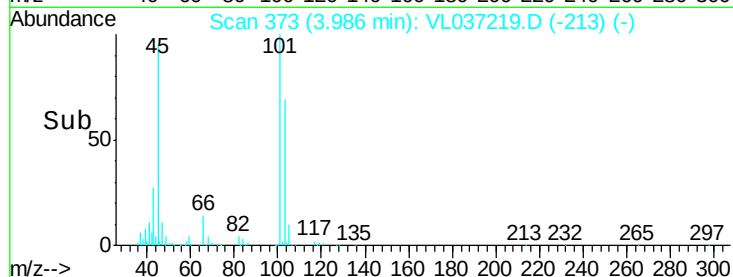
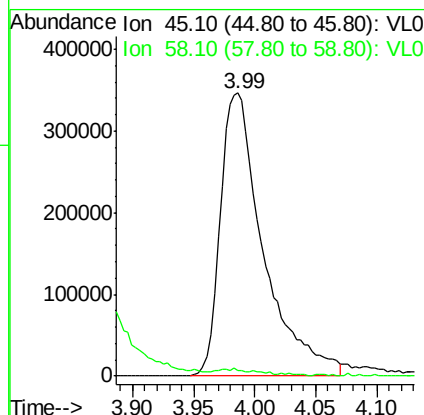
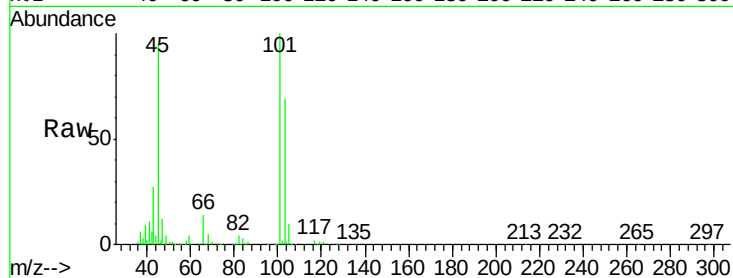
Isopropyl Alcohol
 Concen: 7.717 ppbv
 RT: 3.99 min Scan# 373
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.6	2.4	3.6

Manual Integrations
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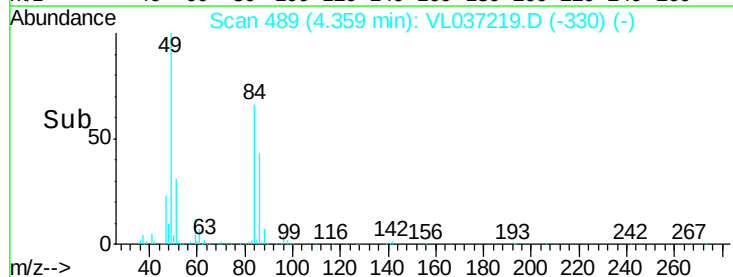
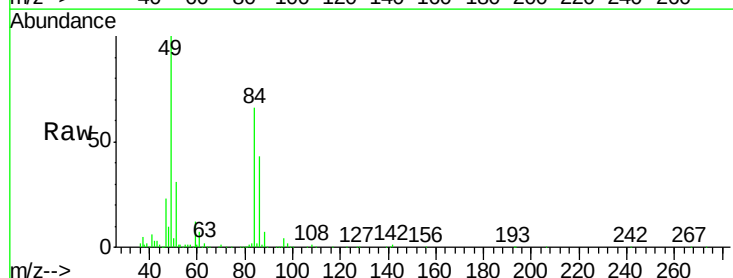
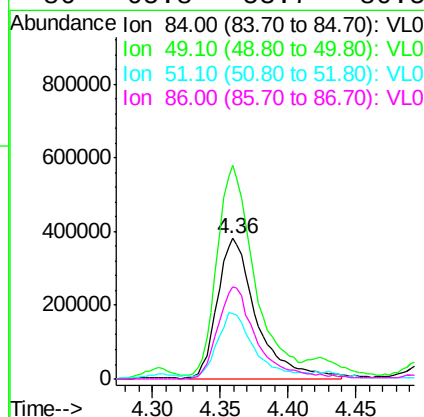
MMDadoda
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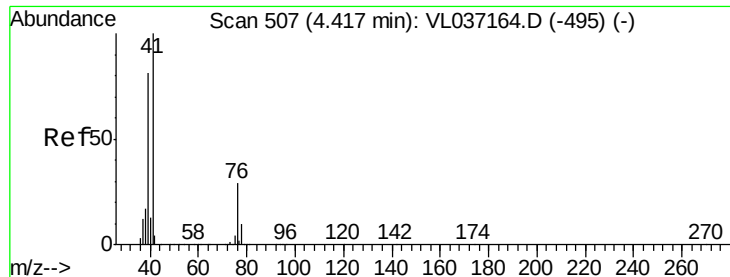


#20

Methylene Chloride
 Concen: 7.054 ppbv m
 RT: 4.36 min Scan# 489
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	151.9	119.7	179.5
51	46.3	36.1	54.1
86	65.8	53.7	80.5





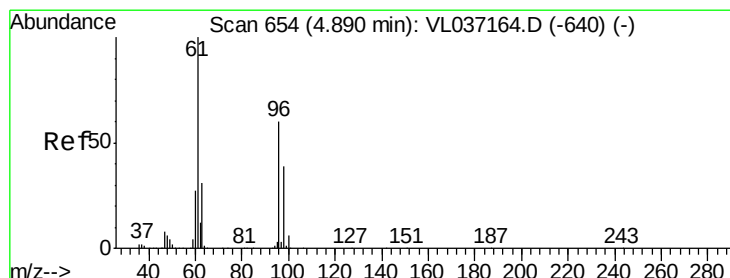
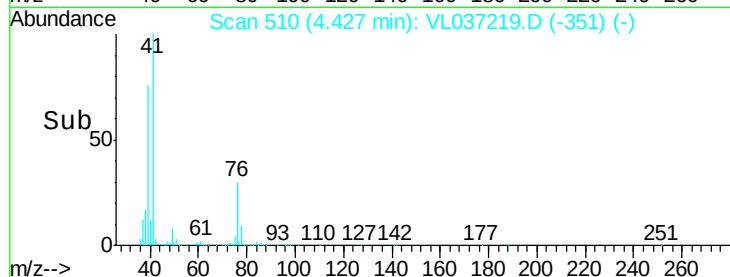
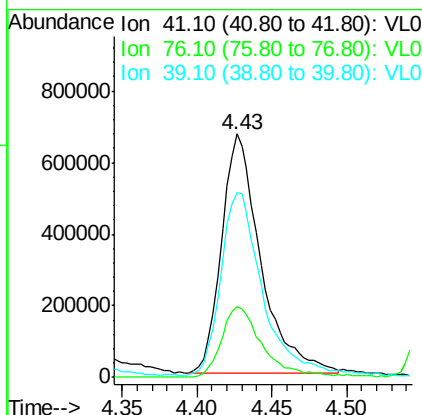
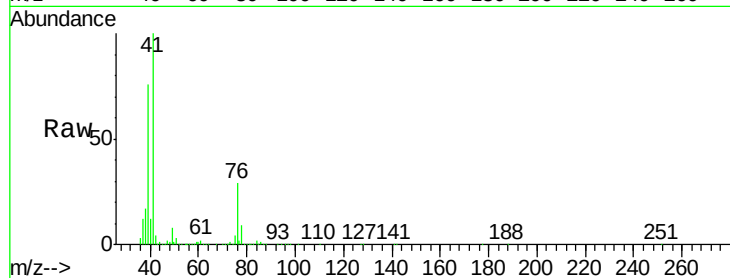
#21
Allvl Chloride
Concen: 8.877 ppbv
RT: 4.43 min Scan# 510
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	31.3	24.6	37.0
39	82.6	65.4	98.0

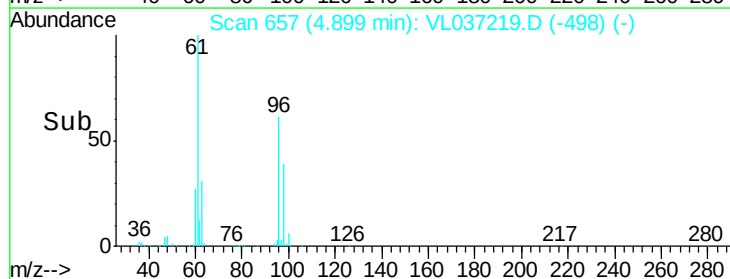
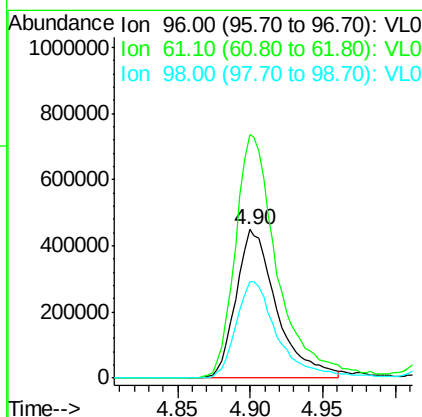
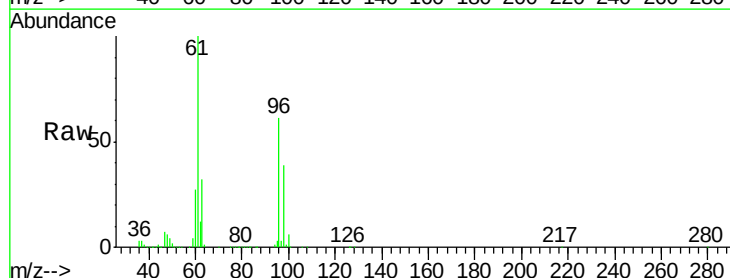
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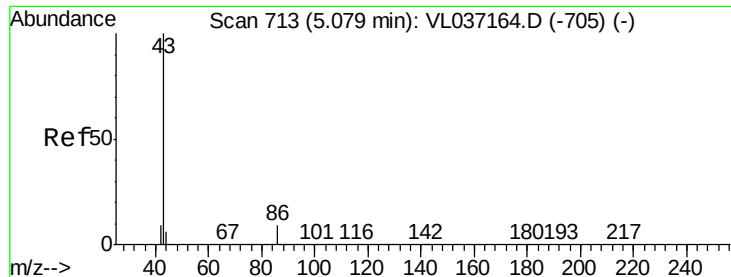
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#22
trans-1,2-Dichloroethene
Concen: 9.461 ppbv
RT: 4.90 min Scan# 657
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.0	133.9	200.9
98	64.7	52.9	79.3





#23

Vinyl Acetate

Concen: 7.870 ppbv

RT: 5.09 min Scan# 717

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion: 43 Resp: 2057682

Ion Ratio Lower Upper

43 100

86 7.5 5.8 8.8

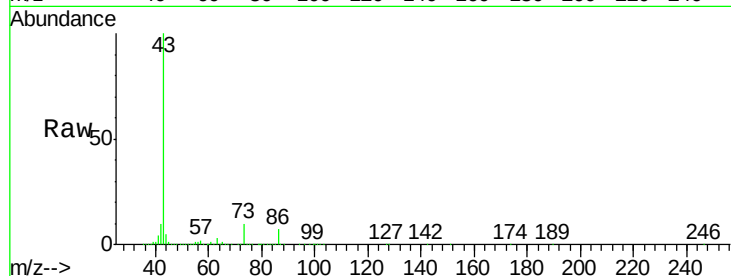
42 10.1 8.2 12.2

44 4.8 4.2 6.4

Manual Integrations
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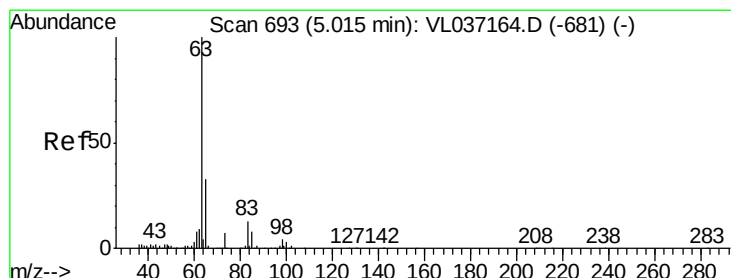
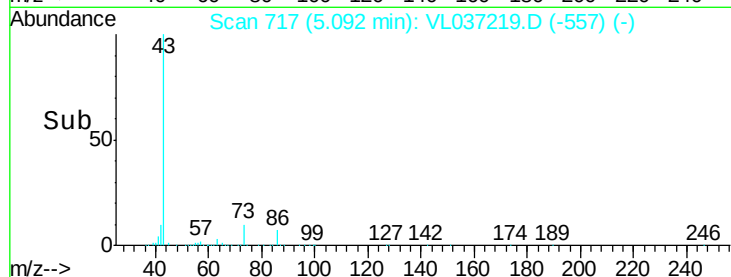
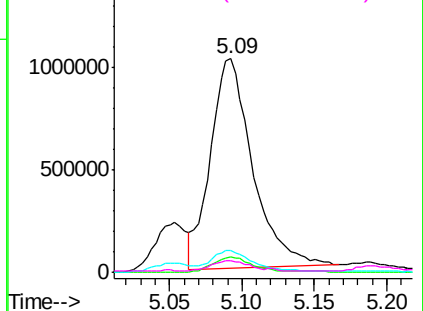


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.461 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

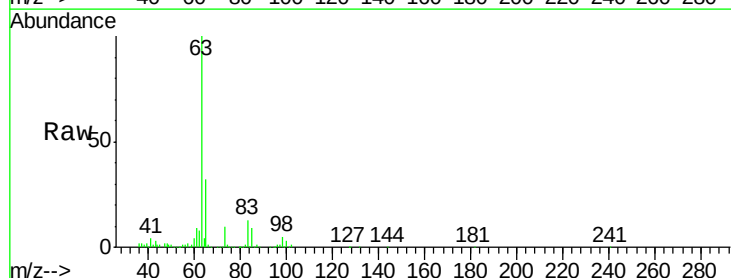
Tgt Ion: 63 Resp: 1781107

Ion Ratio Lower Upper

63 100

98 4.9 2.1 6.5

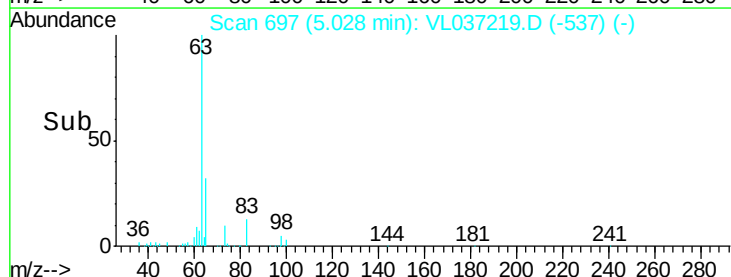
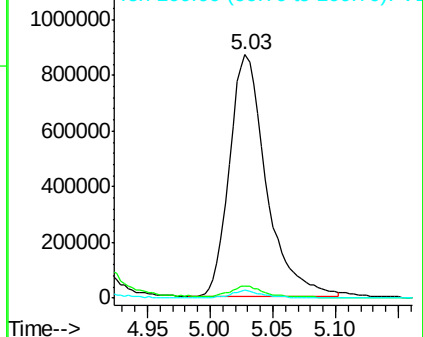
100 3.0 1.4 4.0

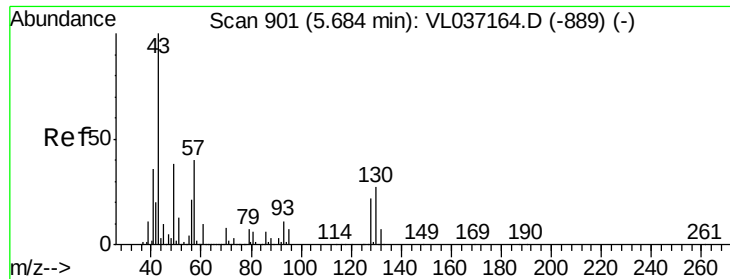


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





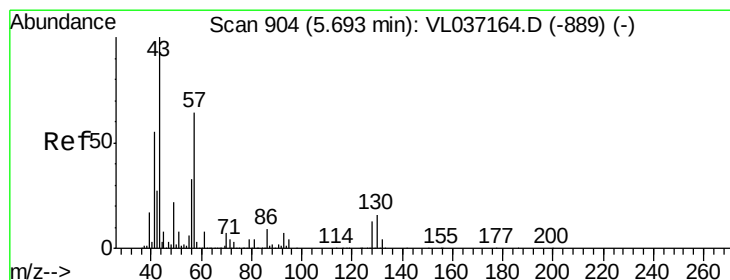
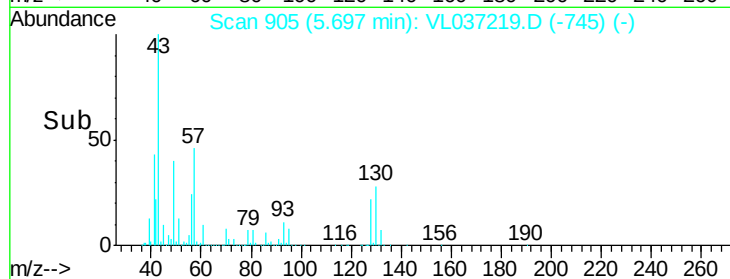
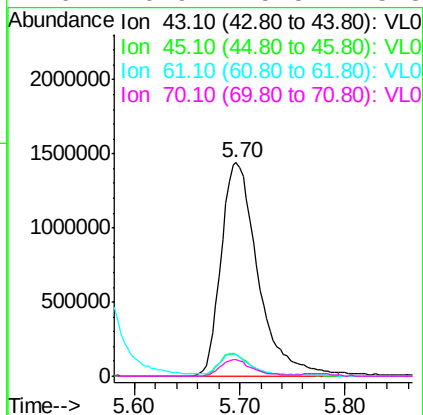
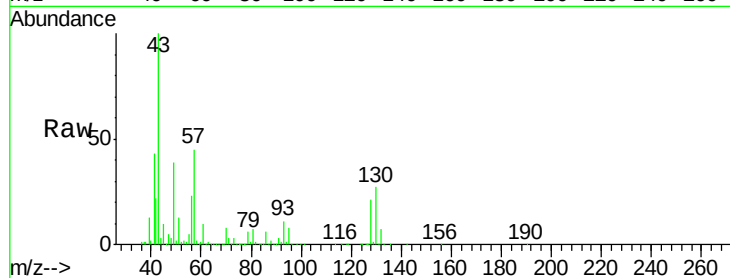
#25
Ethyl Acetate
Concen: 8.785 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.0	12.0
61	9.8	8.1	12.1
70	6.9	5.5	8.3

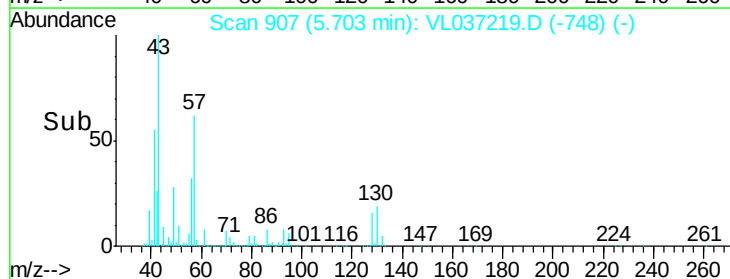
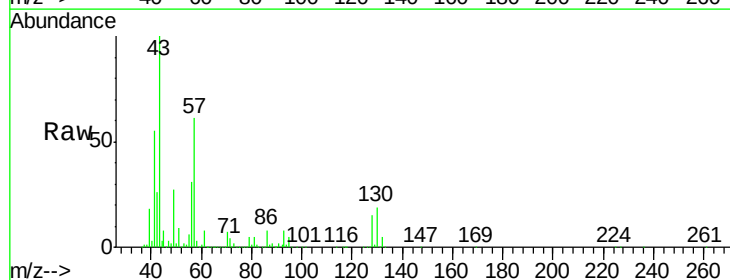
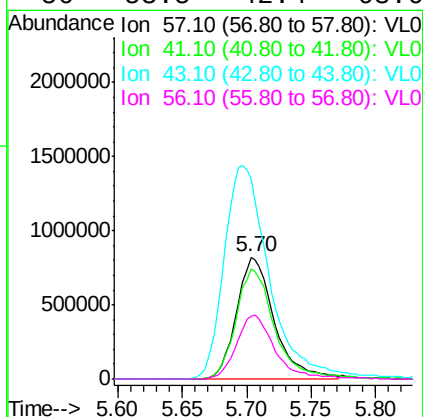
Manual Integrations
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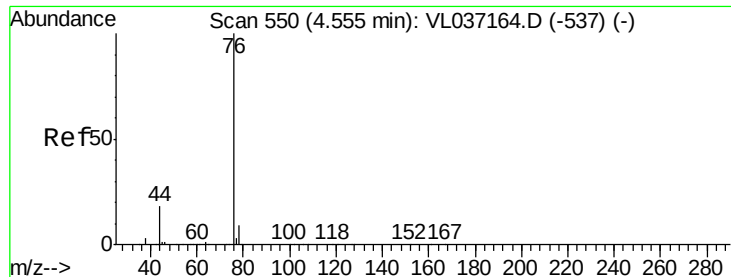
MMDadoda
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#26
Hexane
Concen: 8.400 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Tgt Ion	Ratio	Lower	Upper
57	100		
41	93.5	73.5	110.3
43	211.9	170.7	256.1
56	53.5	42.4	63.6





#27

Carbon Disulfide

Concen: 10.524 ppbv

RT: 4.57 min Scan# 554

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion: 76 Resp: 2057147

Ion Ratio Lower Upper

76 100

44 19.9 15.4 23.2

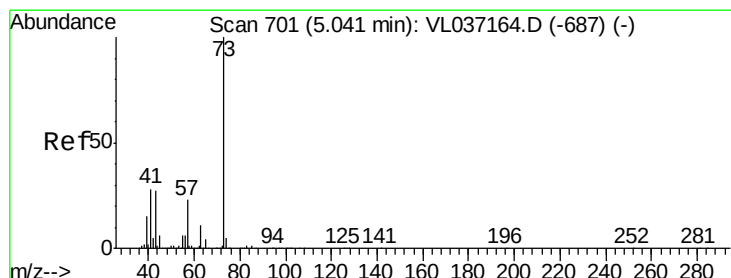
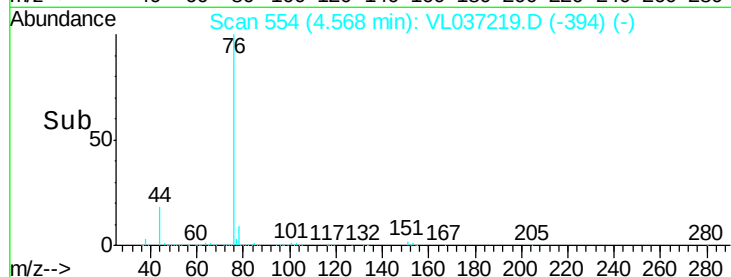
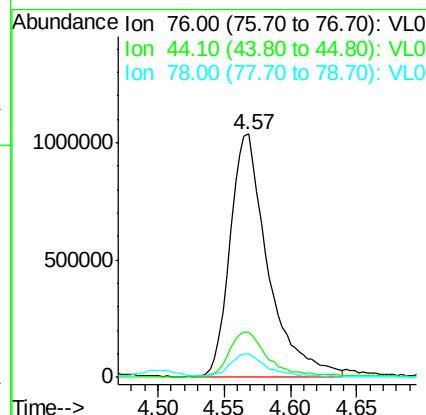
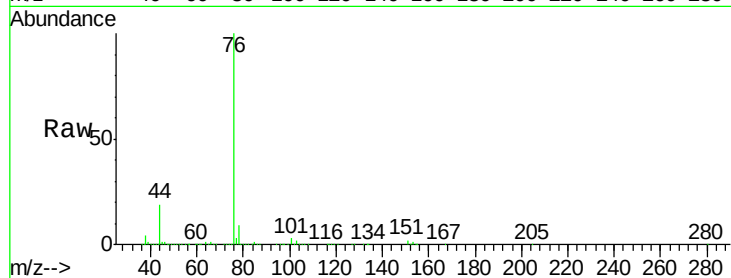
78 9.5 8.0 12.0

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 8.058 ppbv

RT: 5.05 min Scan# 704

Delta R.T. 0.01 min

Lab File: VL037219.D

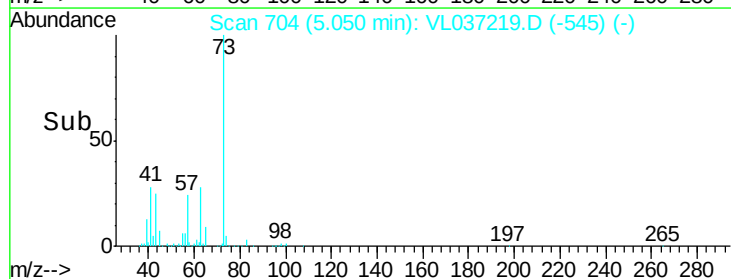
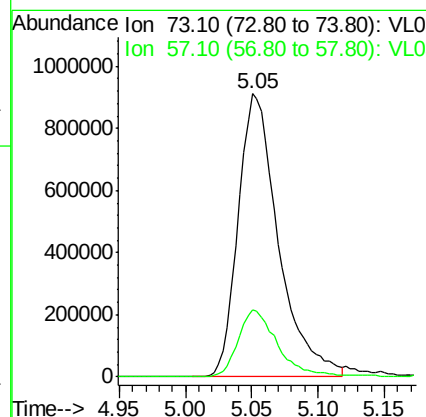
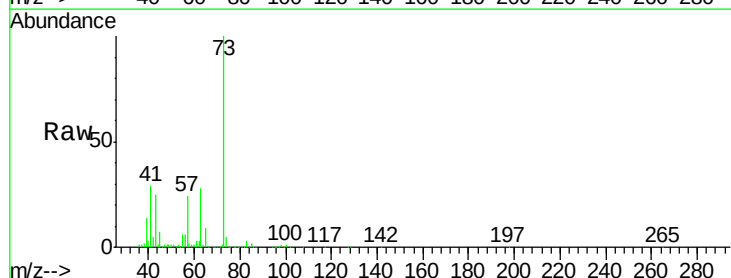
Acq: 22 Jun 2021 16:33

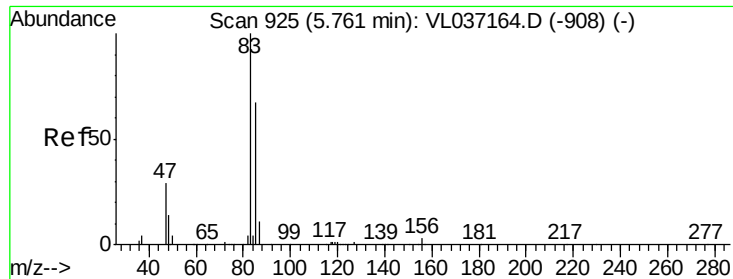
Tgt Ion: 73 Resp: 1932798

Ion Ratio Lower Upper

73 100

57 23.5 18.0 27.0





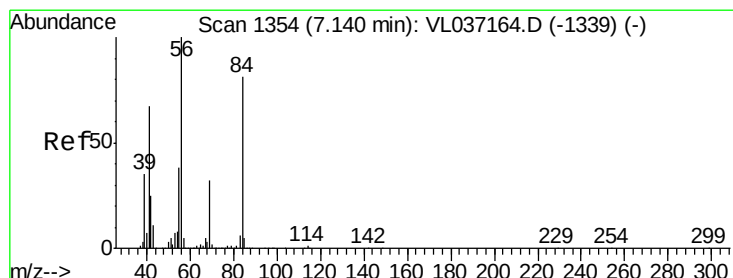
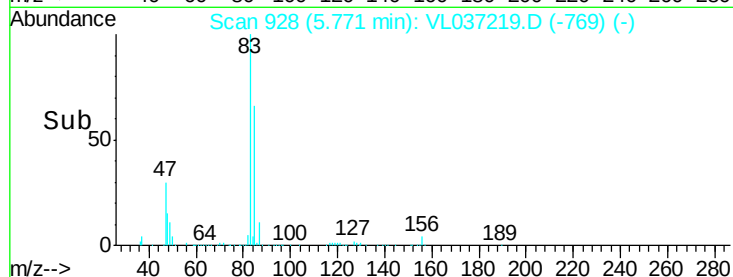
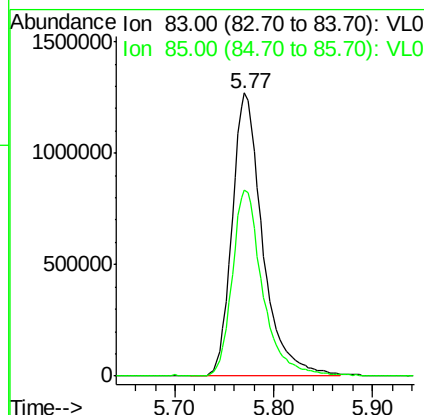
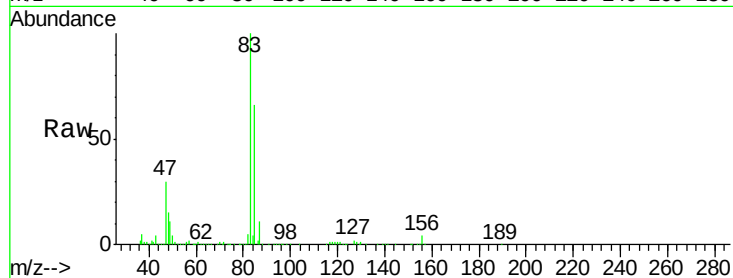
#29
Chloroform
Concen: 8.922 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion: 83 Resp: 2749630
Ion Ratio Lower Upper
83 100
85 65.8 53.6 80.4

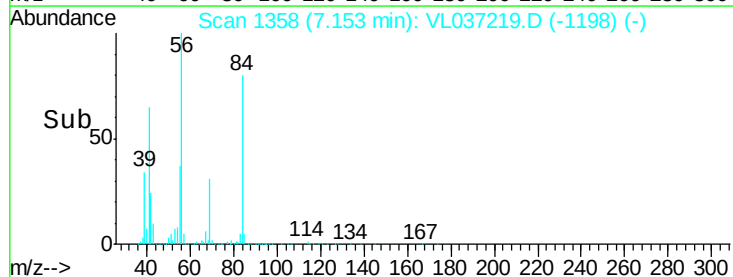
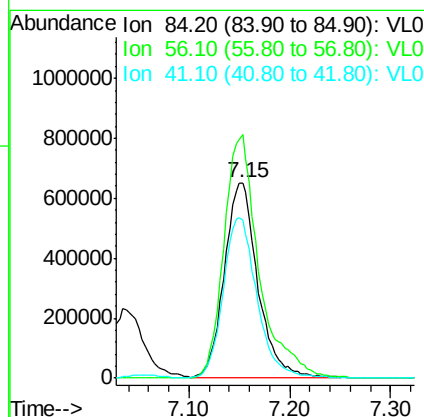
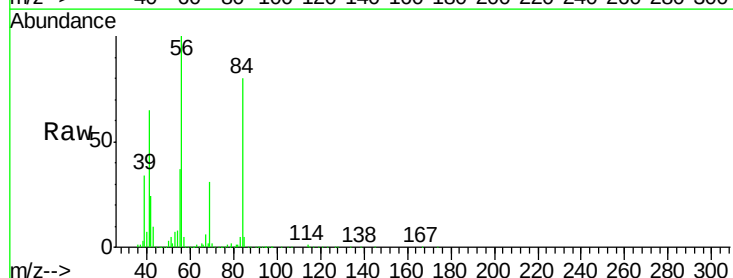
Manual Integrations
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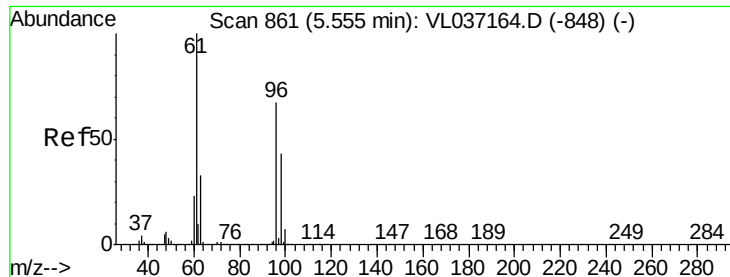
MMDadoda
6/24/2021 4:32:48 PM



#30
Cyclohexane
Concen: 9.083 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Tgt Ion: 84 Resp: 1509912
Ion Ratio Lower Upper
84 100
56 131.4 107.7 161.5
41 83.2 69.0 103.6





#31

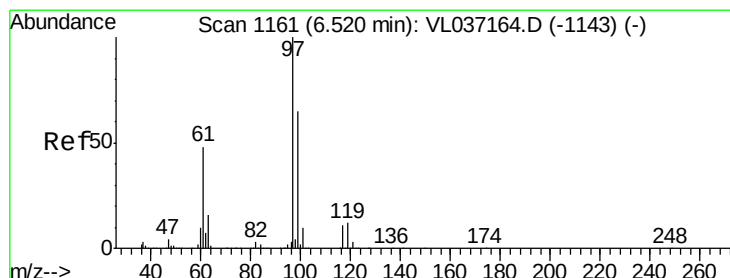
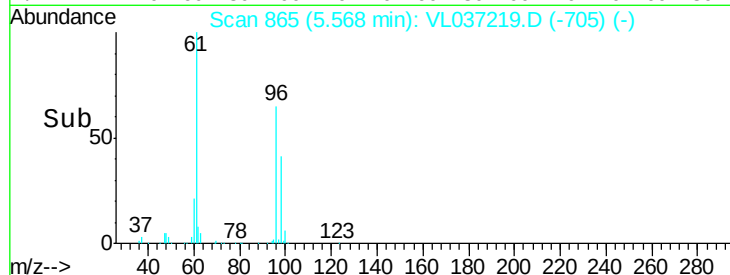
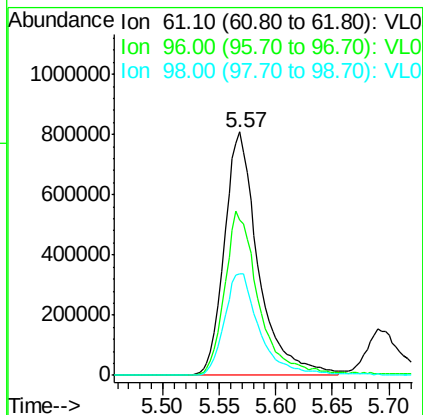
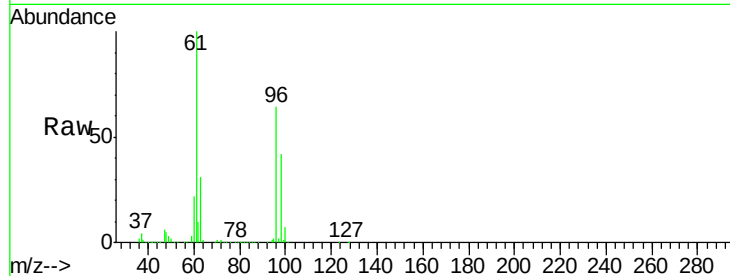
cis-1,2-Dichloroethene
Concen: 9.158 ppbv
RT: 5.57 min Scan# 865
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	64.0	53.6	80.4
98	41.8	34.7	52.1

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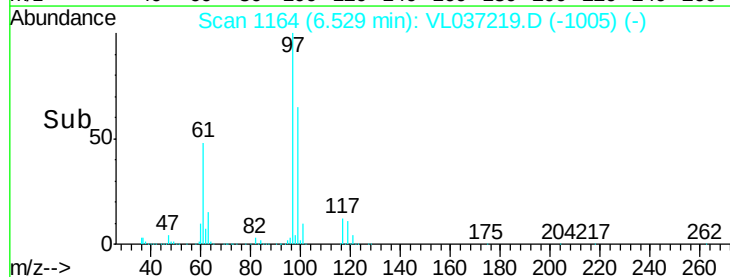
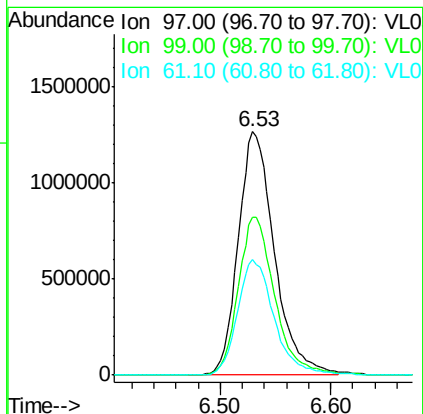
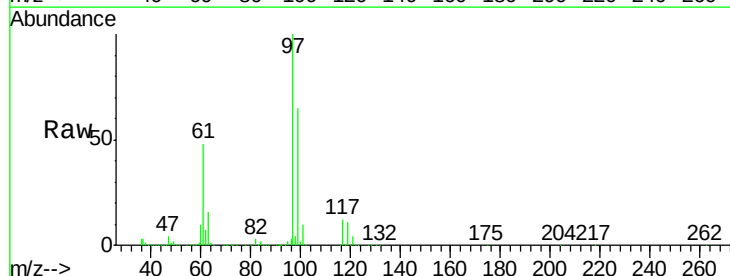
MMDadoda
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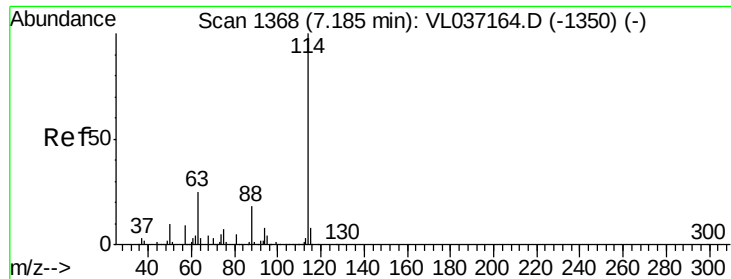


#32

1,1,1-Trichloroethane
Concen: 8.738 ppbv
RT: 6.53 min Scan# 1164
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.2	78.4
61	48.1	38.8	58.2





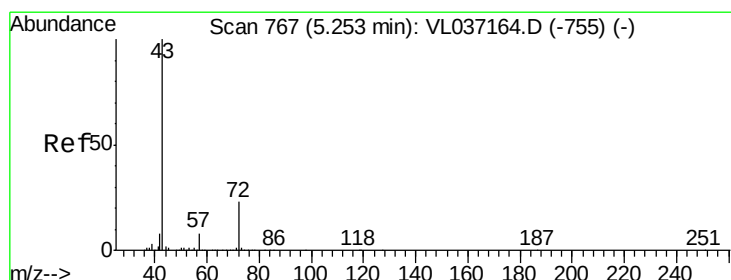
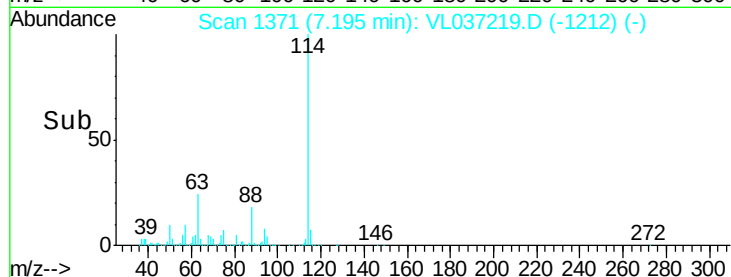
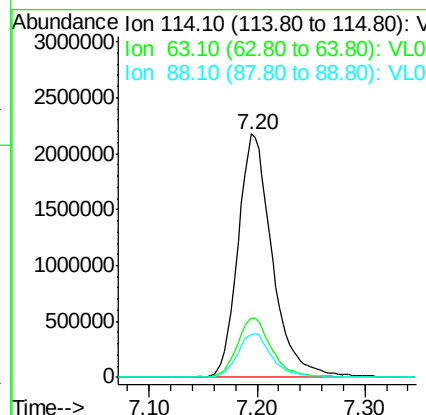
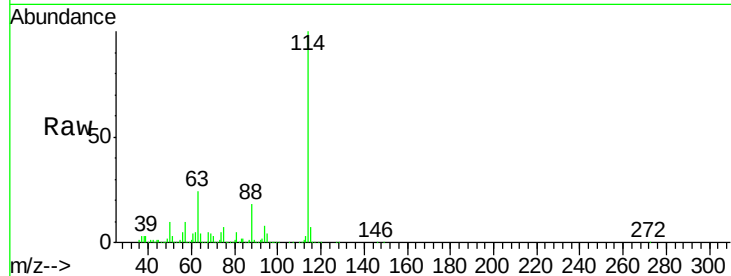
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.0	19.6	29.4
88	18.3	14.2	21.2

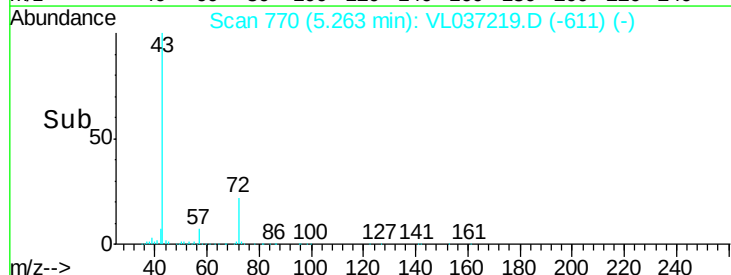
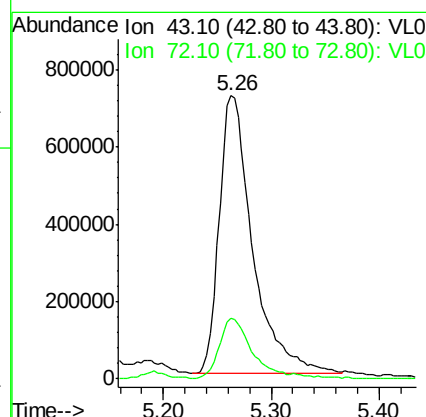
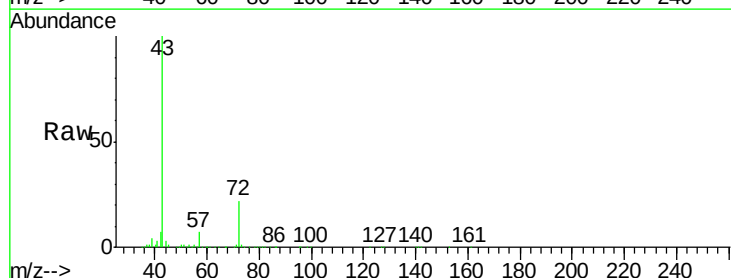
Manual Integrations
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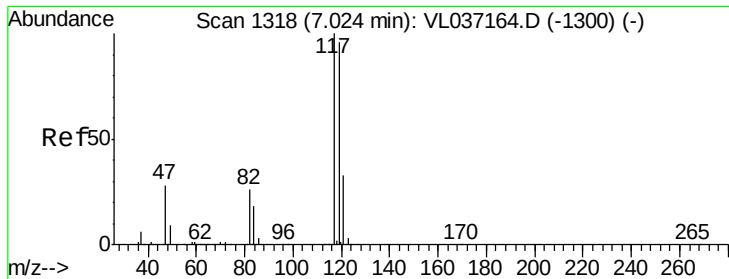
MMDadoda
 6/24/2021 4:32:48 PM



#34
 2-Butanone
 Concen: 8.353 ppbv
 RT: 5.26 min Scan# 770
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.4	18.9	28.3





#35

Carbon Tetrachloride

Concen: 9.595 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion:117 Resp: 3089749

Ion Ratio Lower Upper

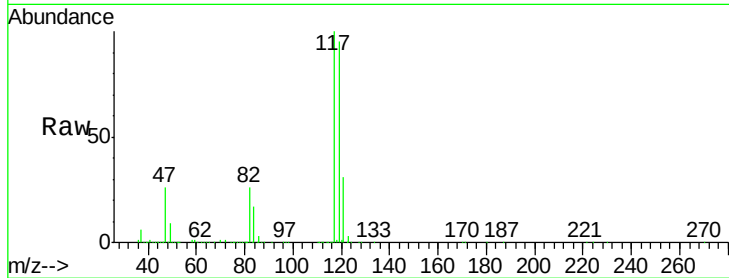
117 100

119 95.5 76.6 114.8

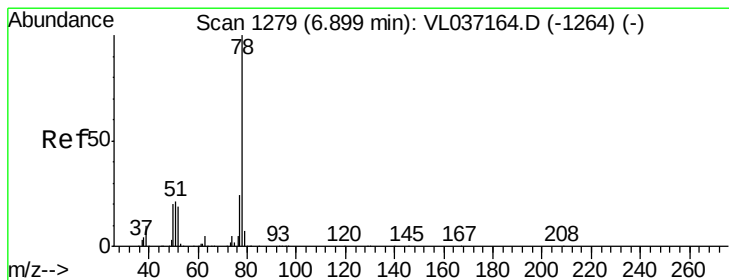
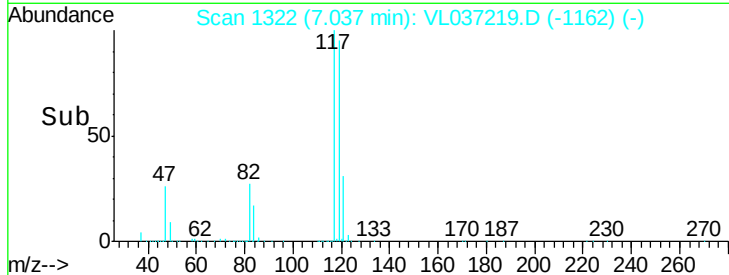
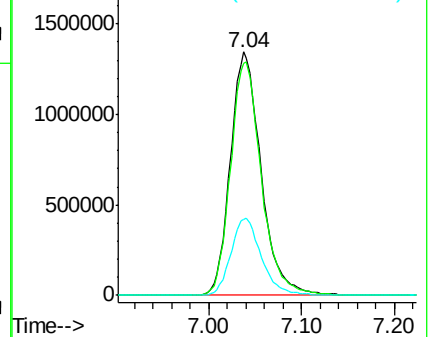
121 30.9 26.4 39.6

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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: 8.973 ppbv

RT: 6.91 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

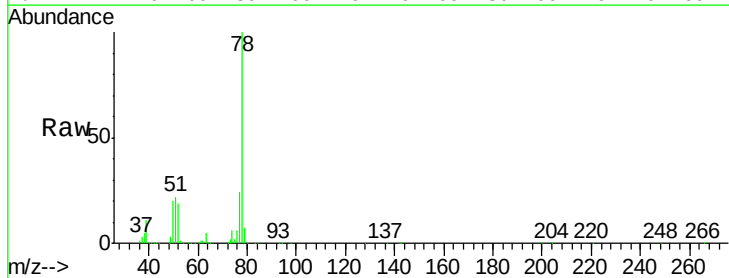
Tgt Ion: 78 Resp: 3483613

Ion Ratio Lower Upper

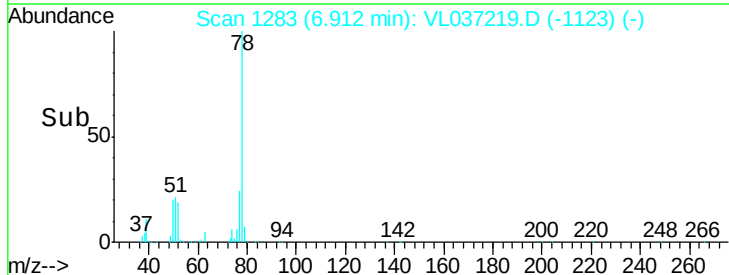
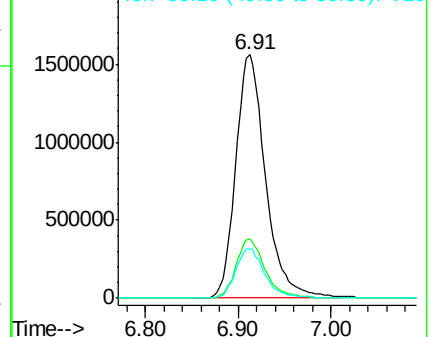
78 100

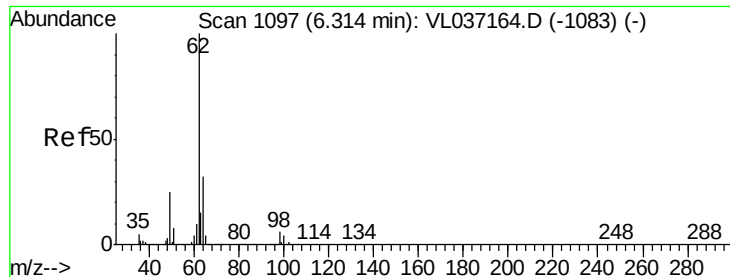
77 24.2 19.0 28.6

50 20.4 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





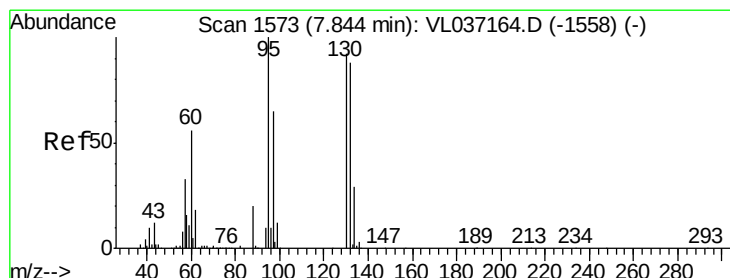
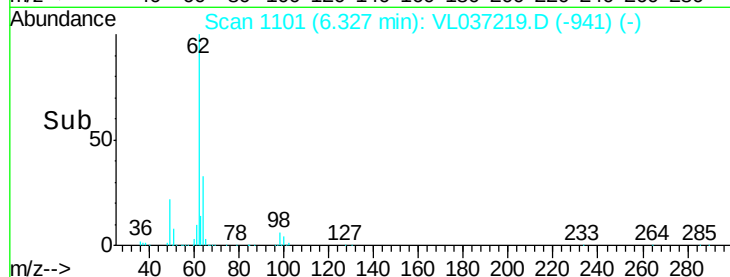
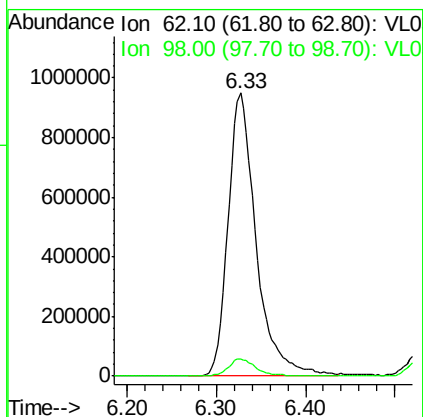
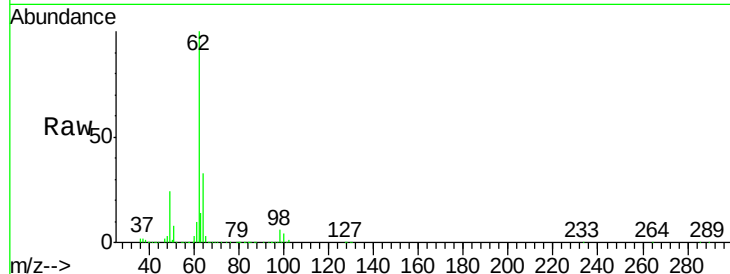
#37
 1,2-Dichloroethane
 Concen: 9.203 ppbv
 RT: 6.33 min Scan# 1101
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Tot Ion: 62 Resp: 2075485
 Ion Ratio Lower Upper
 62 100
 98 6.2 5.0 7.6

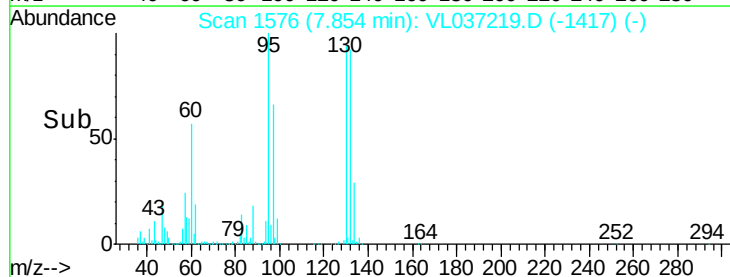
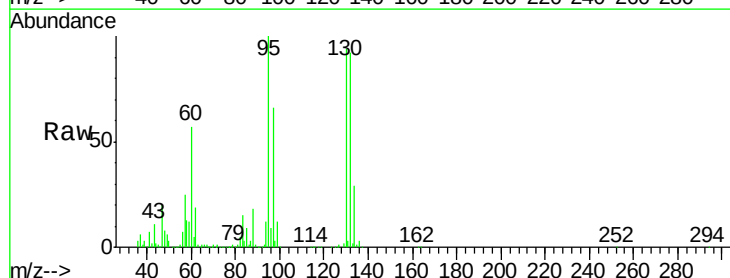
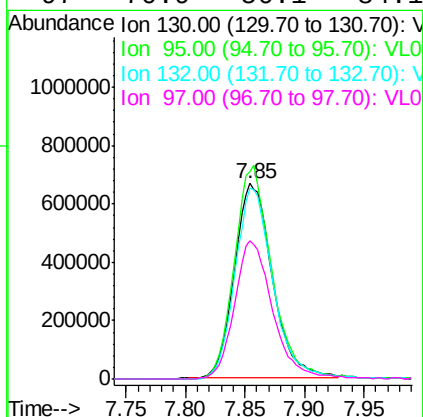
Manual Integrations
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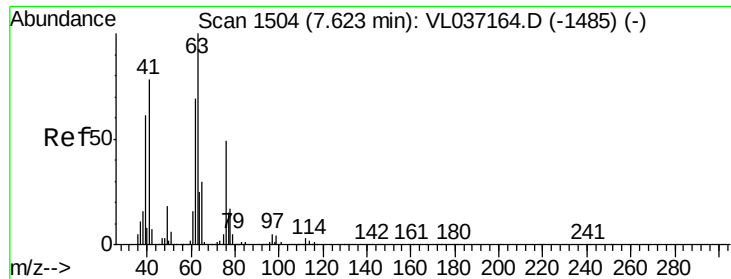
MMDadoda
 6/24/2021 4:32:48 PM



#38
 Trichloroethene
 Concen: 8.001 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Tgt Ion: 130 Resp: 1476542
 Ion Ratio Lower Upper
 130 100
 95 106.8 86.6 129.8
 132 98.3 76.6 114.8
 97 70.9 56.1 84.1





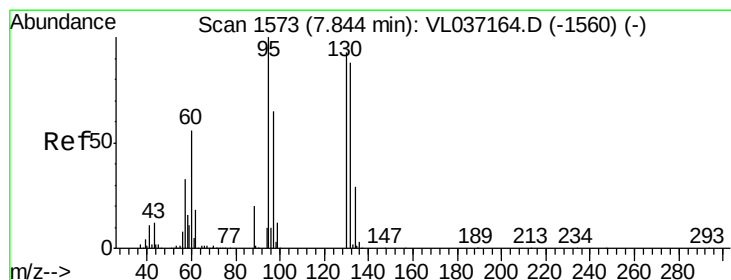
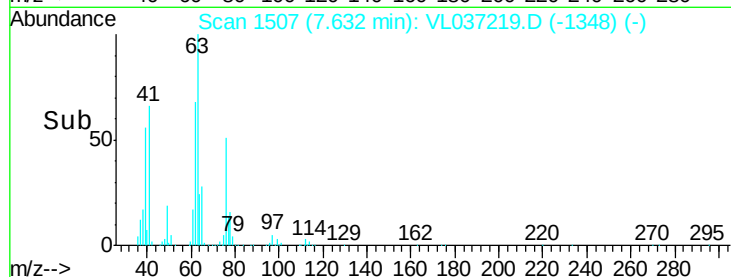
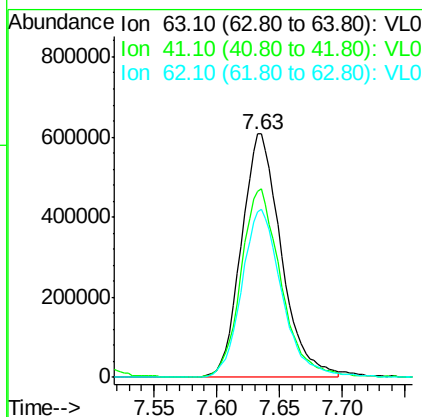
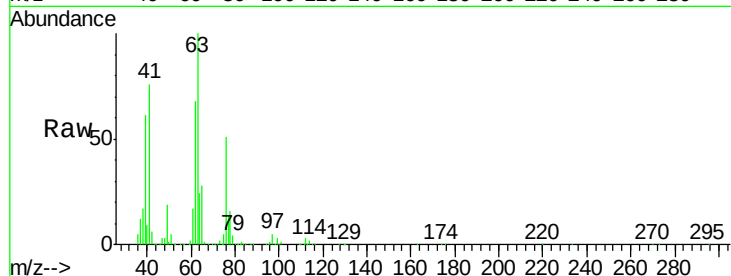
#39
 1,2-Dichloropropane
 Concen: 9.291 ppbv
 RT: 7.63 min Scan# 1507
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	76.0	62.0	93.0
62	67.8	54.9	82.3

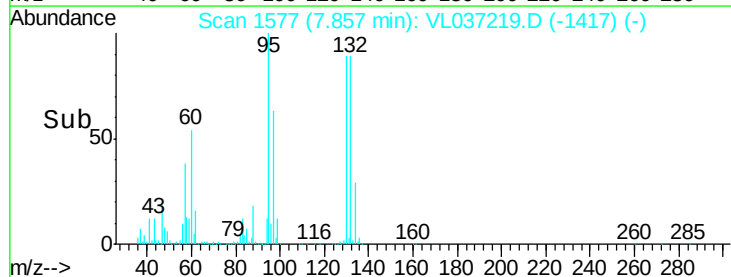
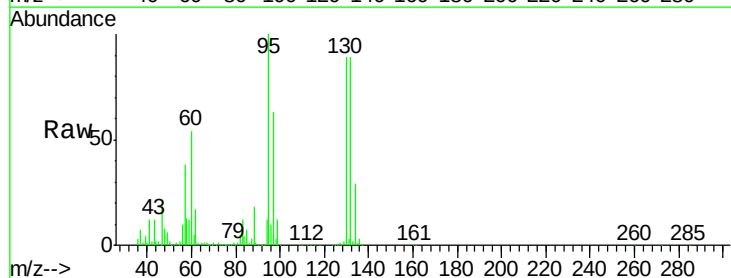
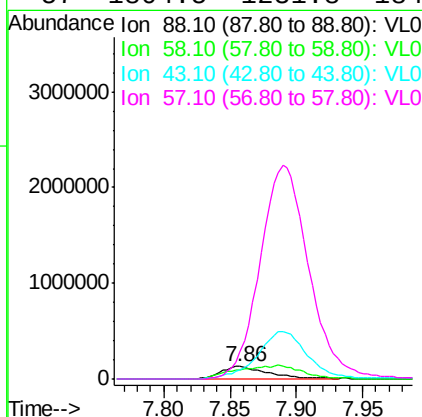
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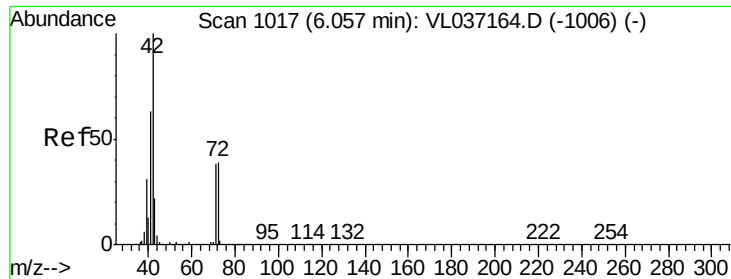
MMDadoda
 6/24/2021 4:32:48 PM



#40
 1,4-Dioxane
 Concen: 8.101 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Tgt Ion	Ratio	Lower	Upper
88	100		
58	158.1	118.4	177.6
43	414.1	284.0	426.0
57	1804.5	1231.8	1847.6





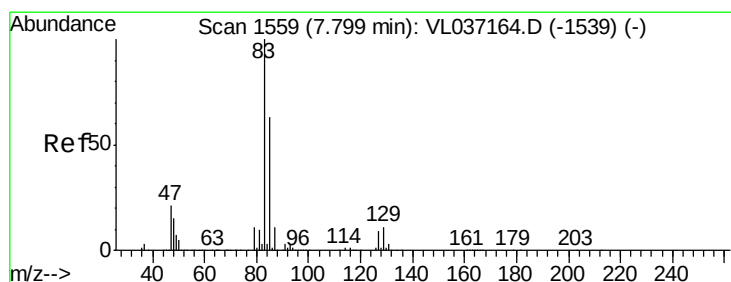
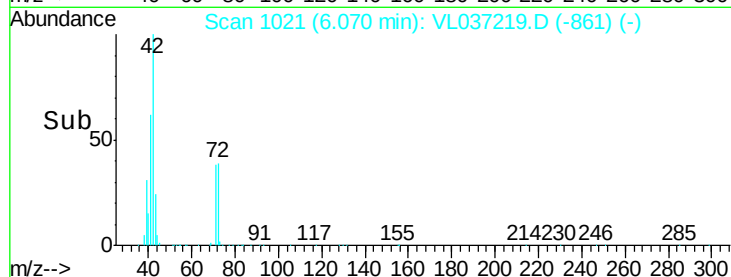
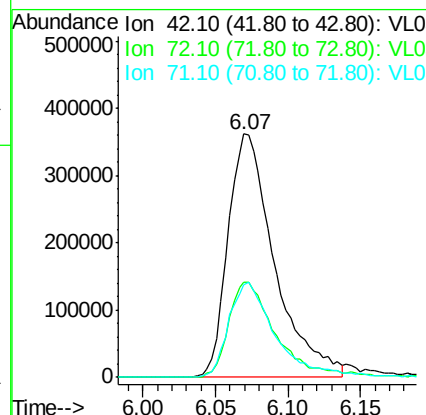
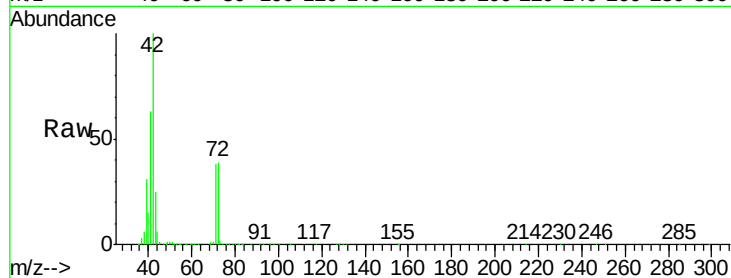
#41
Tetrahydrofuran
Concen: 9.273 ppbv
RT: 6.07 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	33.0	49.4
71	39.8	31.0	46.6

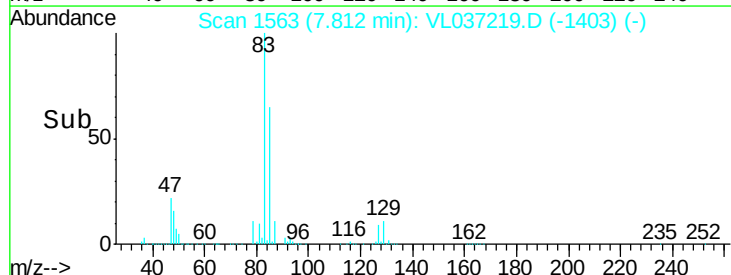
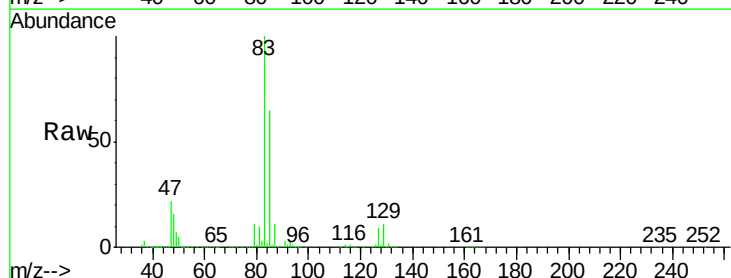
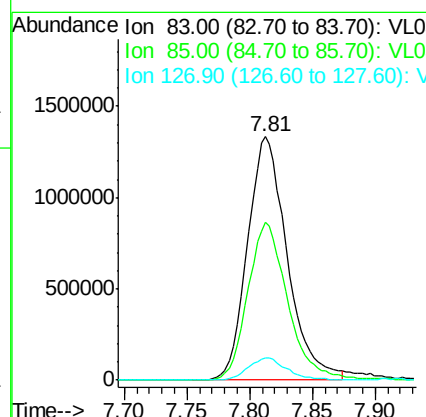
Manual Integrations
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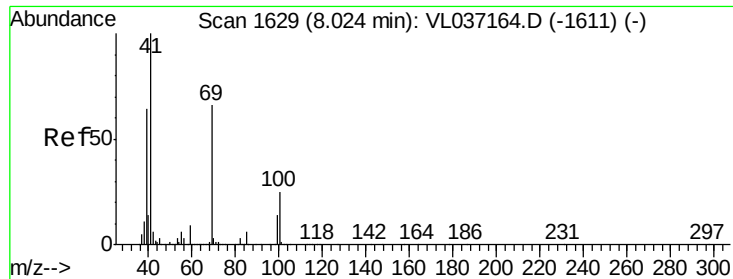
MMDadoda
6/24/2021 4:32:48 PM



#42
Bromodichloromethane
Concen: 9.446 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.8	76.2
127	8.9	7.0	10.6





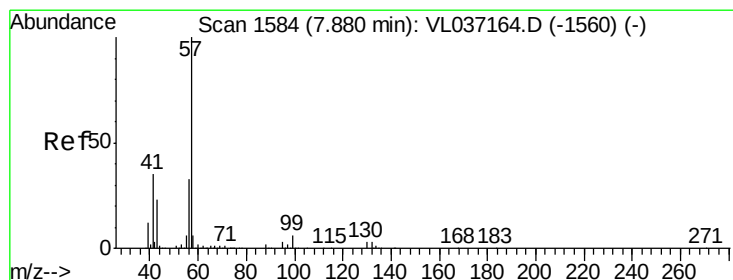
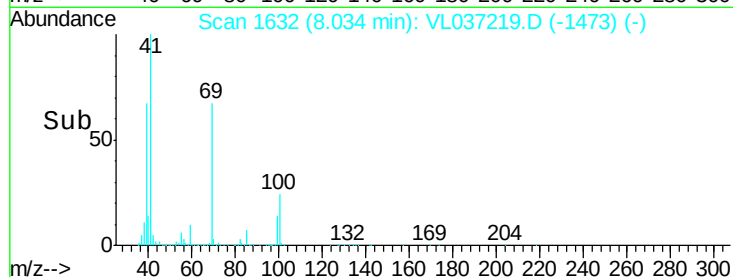
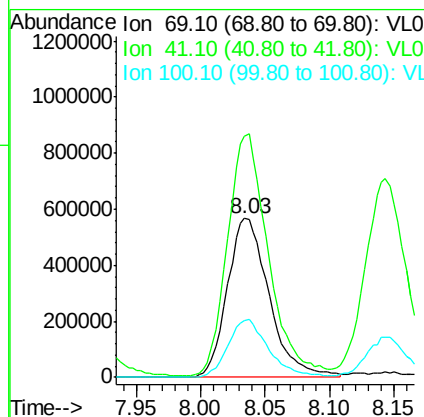
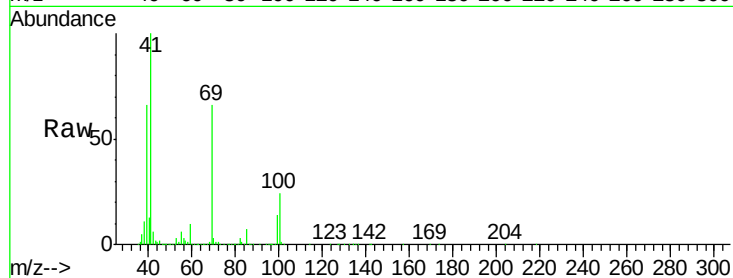
#43
Methyl Methacrylate
Concen: 9.466 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	150.5	119.4	179.0
100	35.7	28.6	43.0

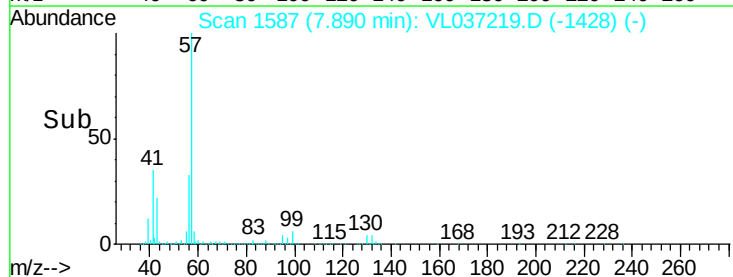
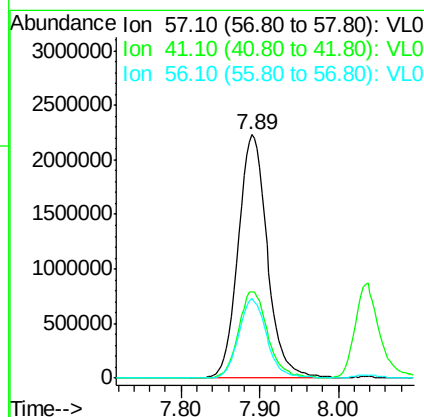
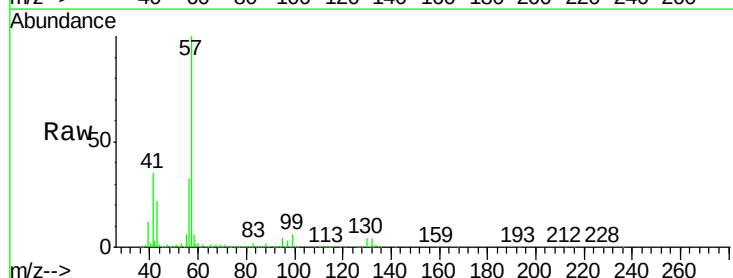
Manual Integrations
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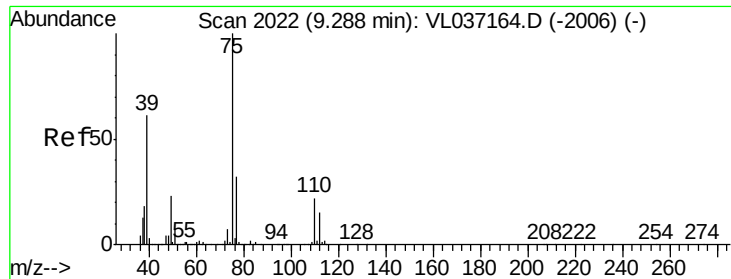
MMDadoda
6/24/2021 4:32:48 PM



#44
2,2,4-Trimethylpentane
Concen: 8.838 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.6	27.6	41.4
56	31.5	25.3	37.9





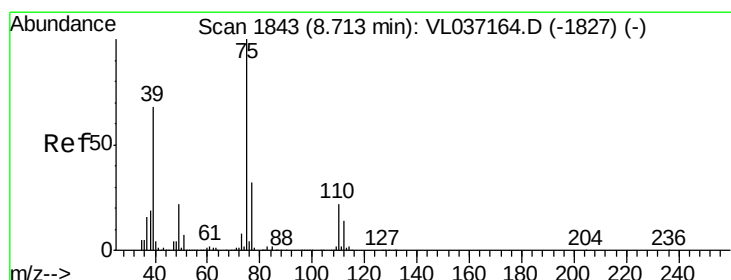
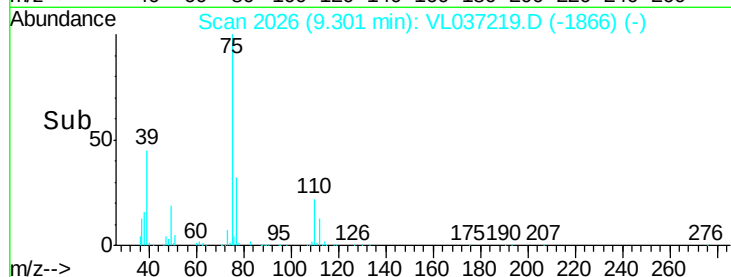
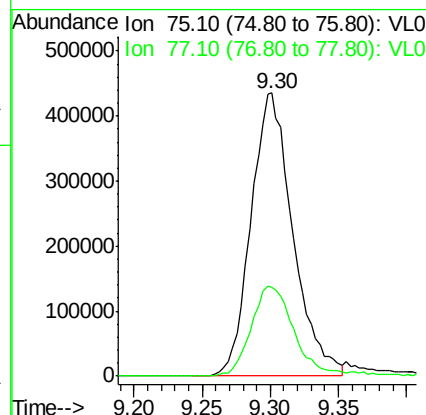
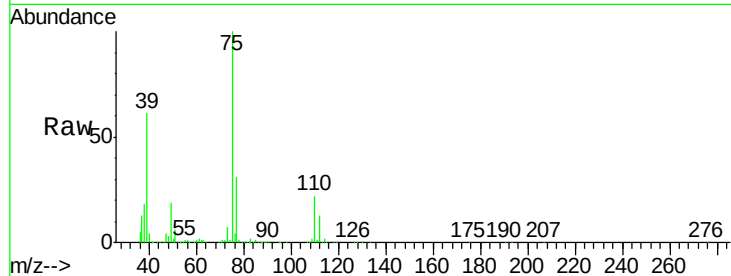
#45
t-1,3-Dichloropropene
Concen: 7.817 ppbv
RT: 9.30 min Scan# 2026
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion: 75 Resp: 924680
Ion Ratio Lower Upper
75 100
77 31.5 25.6 38.4

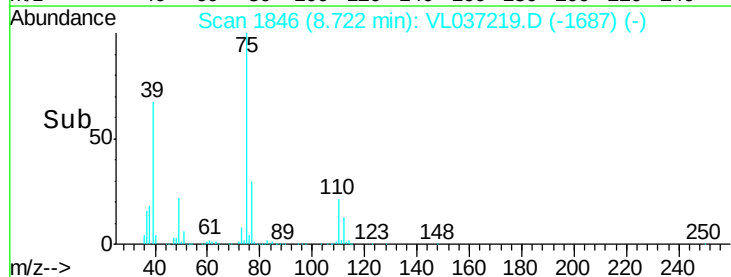
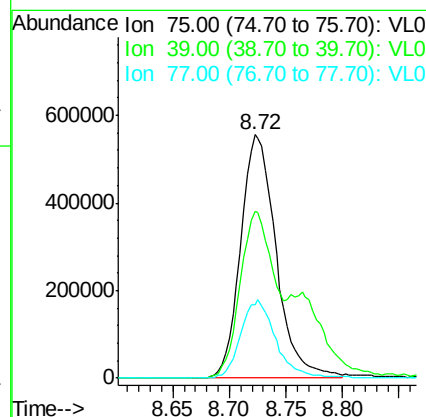
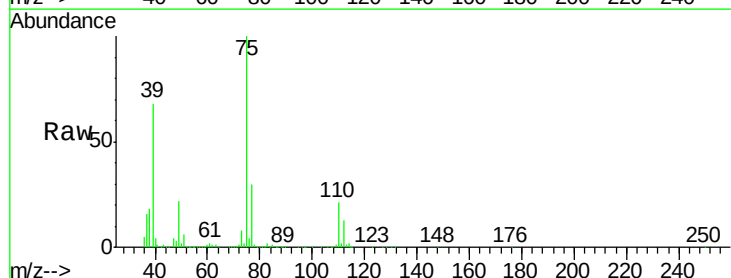
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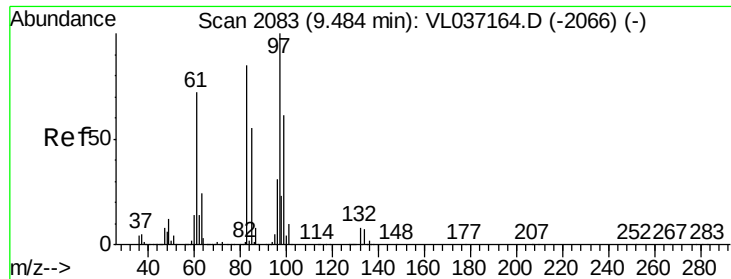
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#46
cis-1,3-Dichloropropene
Concen: 7.512 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Tgt Ion: 75 Resp: 1215490
Ion Ratio Lower Upper
75 100
39 68.4 54.7 82.1
77 30.0 25.8 38.8





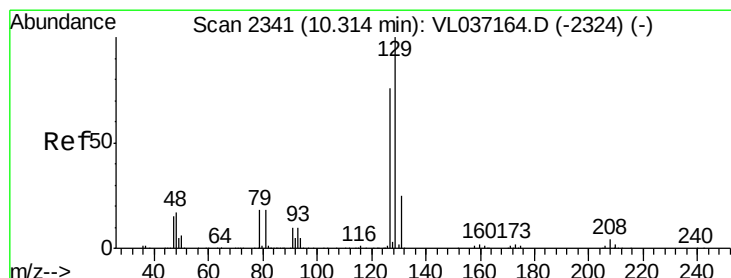
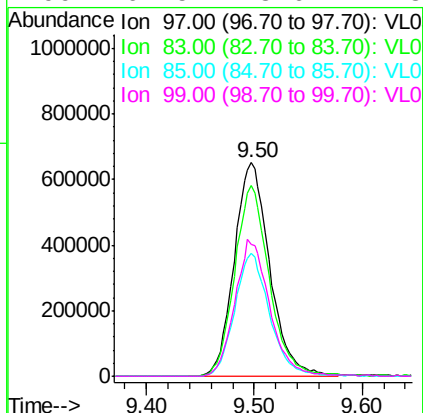
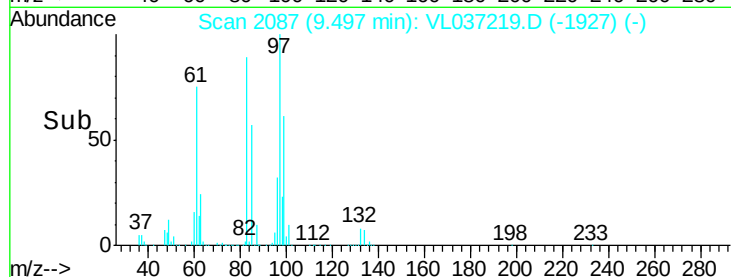
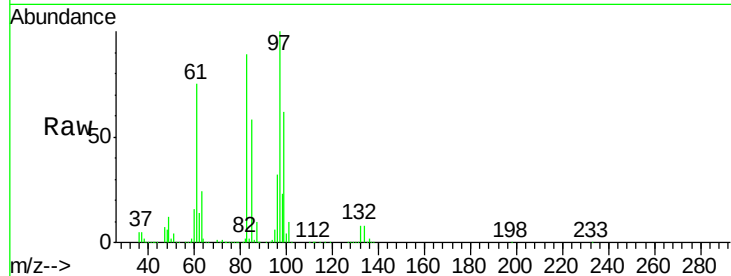
#47
 1,1,2-Trichloroethane
 Concen: 9.069 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.2	68.3	102.5
85	57.5	44.1	66.1
99	61.5	48.6	72.8

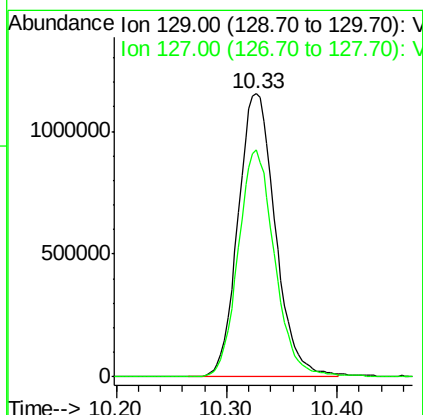
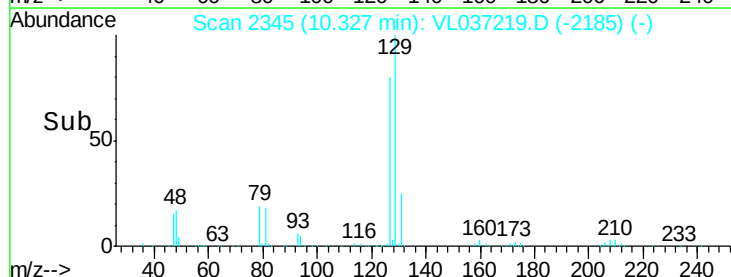
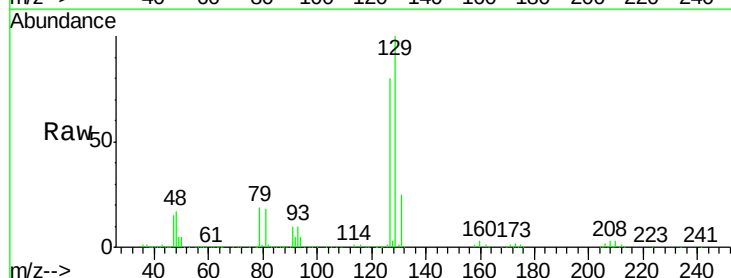
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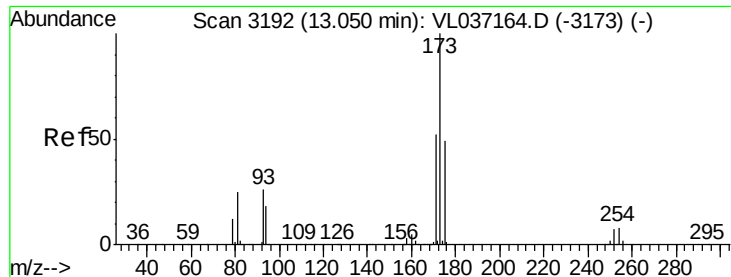
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#48
 Dibromochloromethane
 Concen: 10.394 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.1	117.2





#49

Bromoform

Concen: 11.589 ppbv

RT: 13.06 min Scan# 3196

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion:173 Resp: 2243067

Ion Ratio Lower Upper

173 100

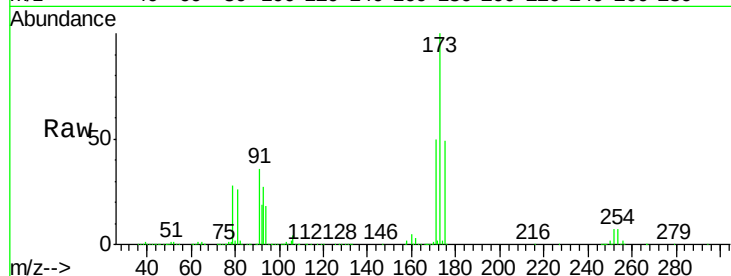
175 50.0 40.2 60.4

171 52.8 41.8 62.8

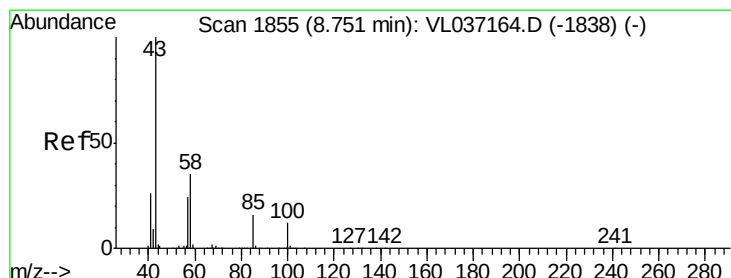
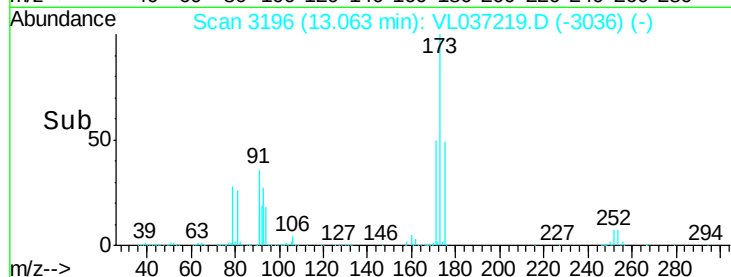
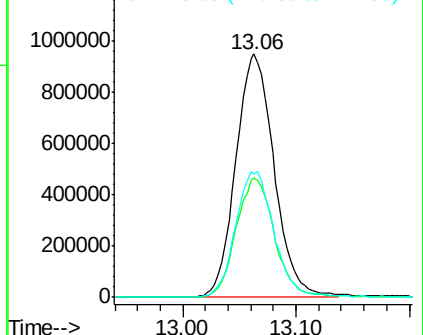
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.601 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. 0.01 min

Lab File: VL037219.D

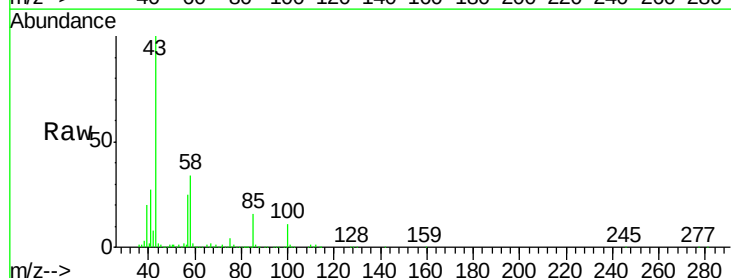
Acq: 22 Jun 2021 16:33

Tgt Ion: 43 Resp: 2462220

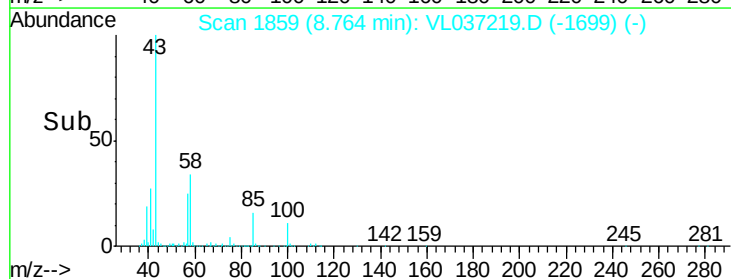
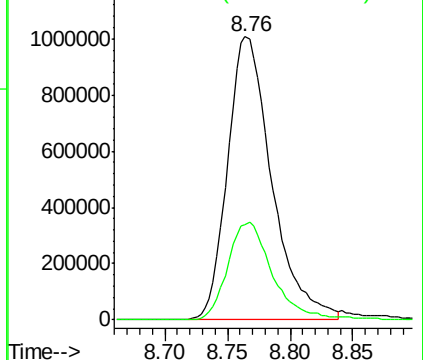
Ion Ratio Lower Upper

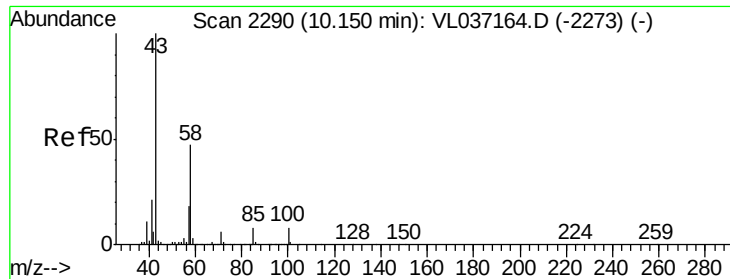
43 100

58 35.3 28.4 42.6



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





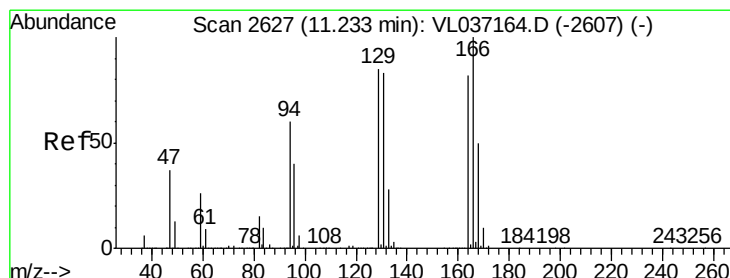
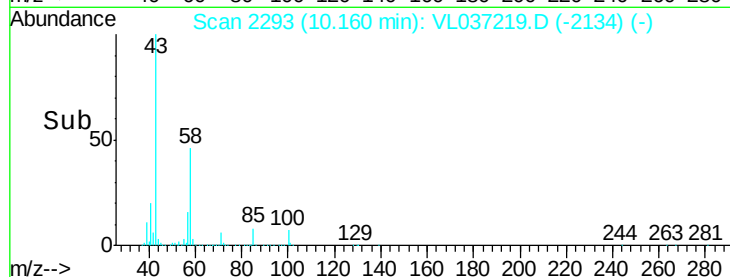
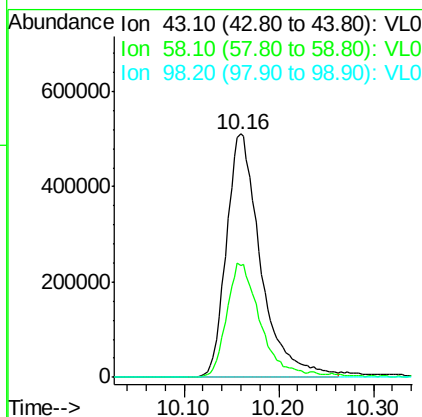
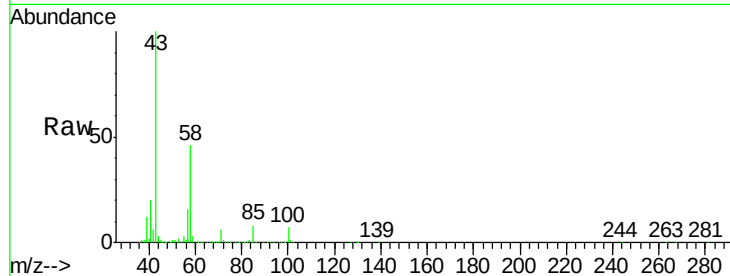
#51
2-Hexanone
Concen: 10.315 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion: 43 Resp: 1287158
Ion Ratio Lower Upper
43 100
58 47.5 38.4 57.6
98 0.4 0.3 0.5

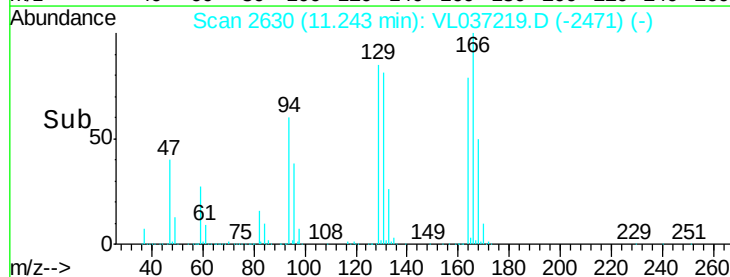
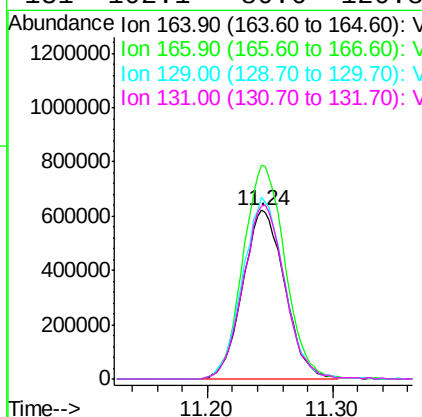
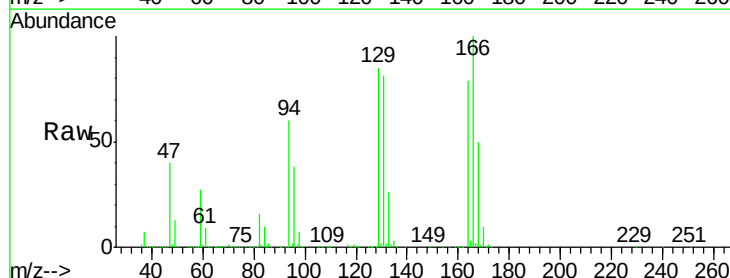
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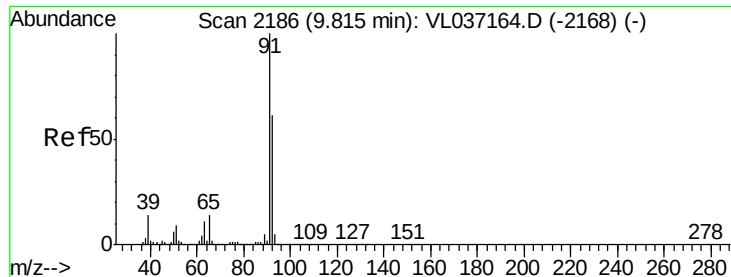
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#52
Tetrachloroethene
Concen: 8.021 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Tgt Ion: 164 Resp: 1446973
Ion Ratio Lower Upper
164 100
166 126.6 97.6 146.4
129 107.4 82.9 124.3
131 102.1 80.6 120.8





#53

Toluene

Concen: 9.079 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion: 91 Resp: 4210298

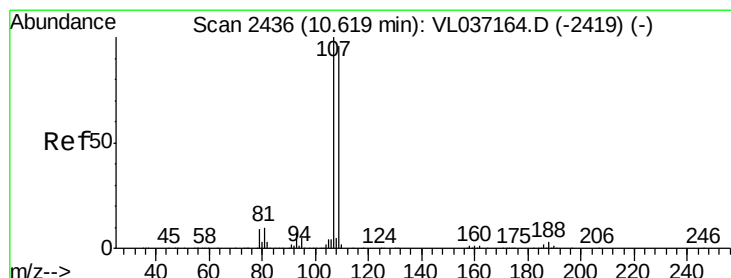
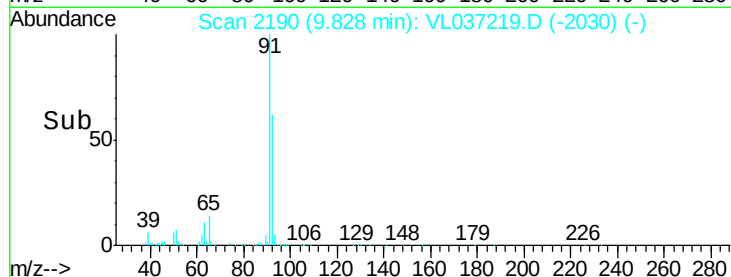
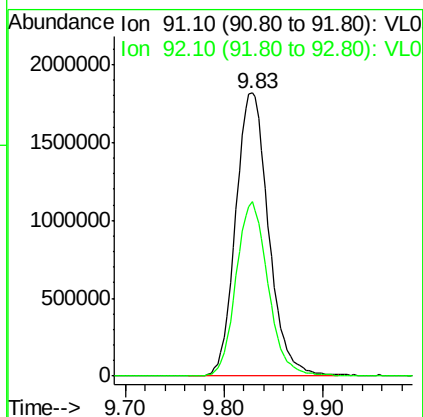
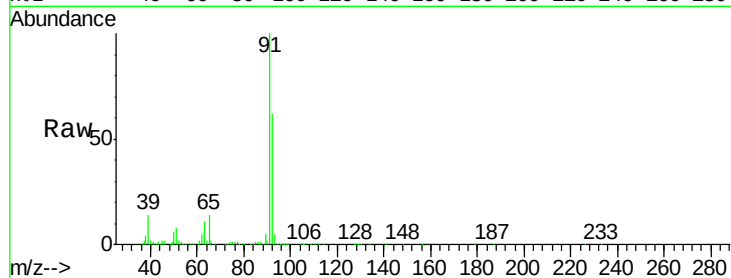
Ion Ratio Lower Upper

91 100

92 60.3 48.3 72.5

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#54

1,2-Dibromoethane

Concen: 9.284 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. 0.01 min

Lab File: VL037219.D

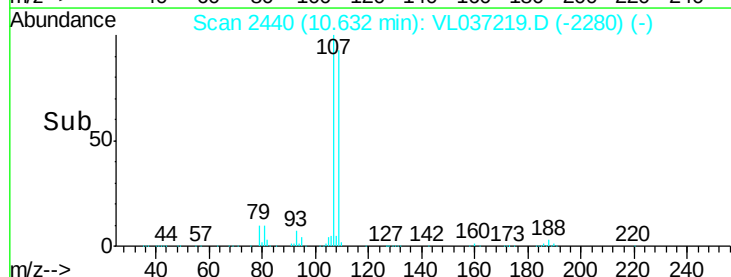
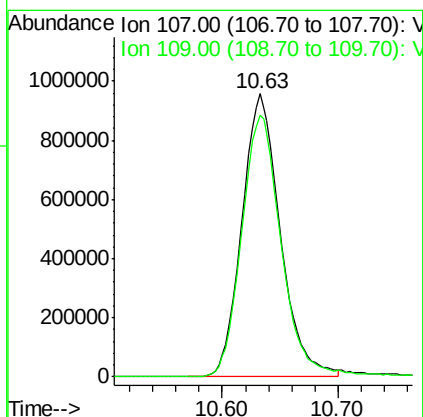
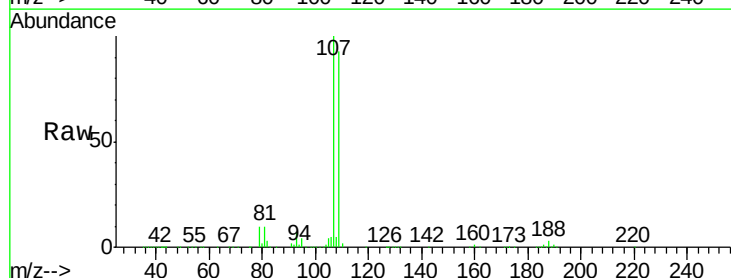
Acq: 22 Jun 2021 16:33

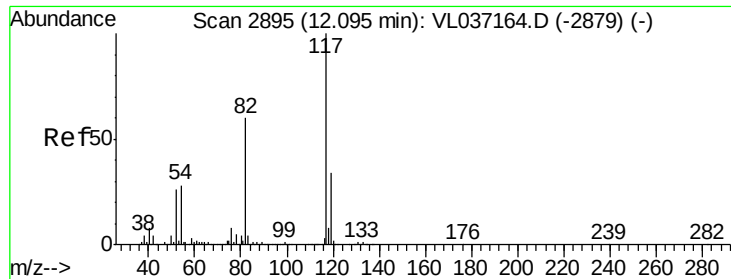
Tgt Ion: 107 Resp: 2195981

Ion Ratio Lower Upper

107 100

109 92.6 77.0 115.6





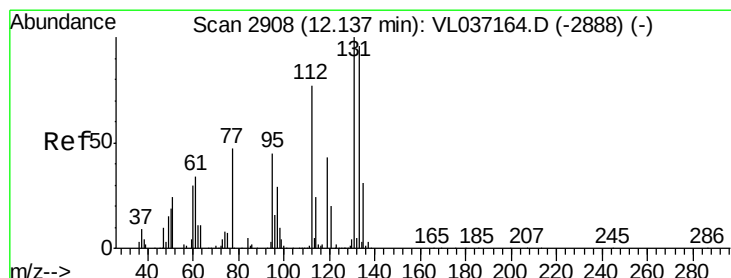
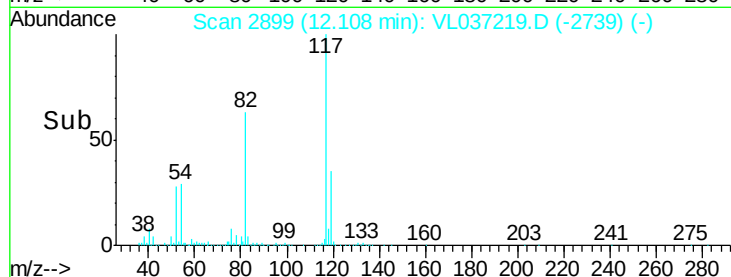
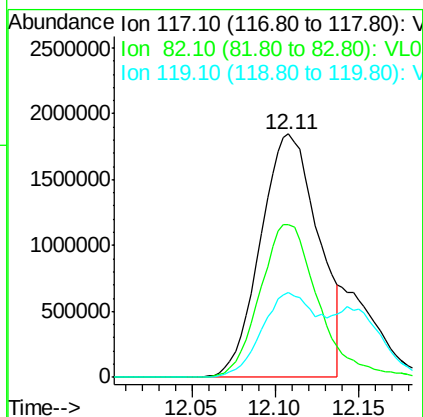
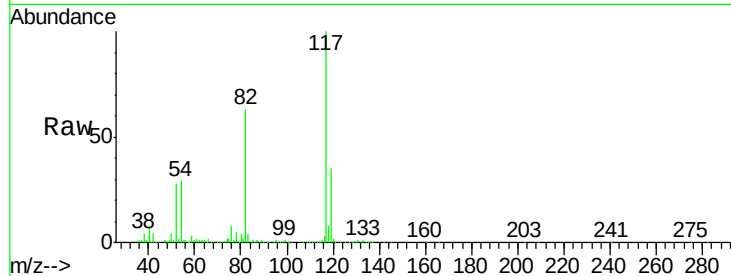
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2899
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion:117 Resp: 4437136
Ion Ratio Lower Upper
117 100
82 64.7 51.7 77.5
119 58.7 47.6 71.4

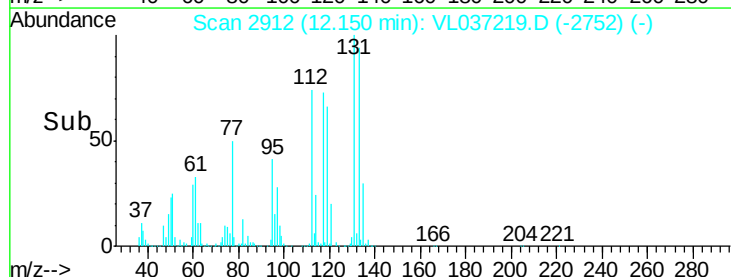
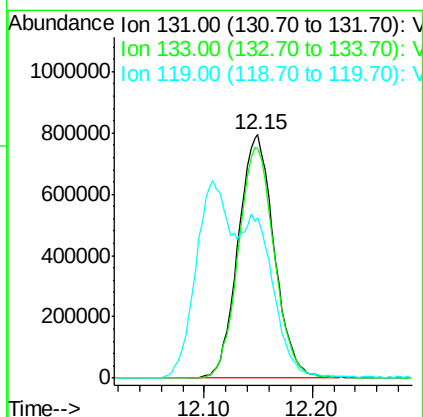
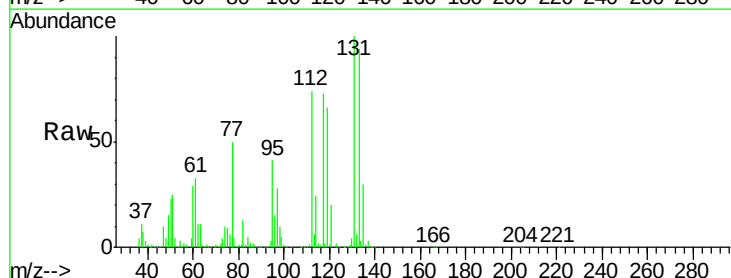
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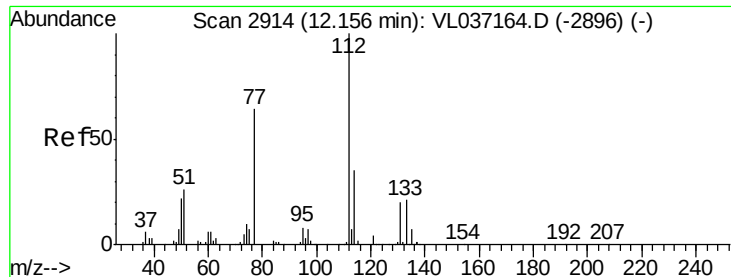
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.468 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Tgt Ion:131 Resp: 1836866
Ion Ratio Lower Upper
131 100
133 95.7 76.5 114.7
119 141.7 48.6 72.8#





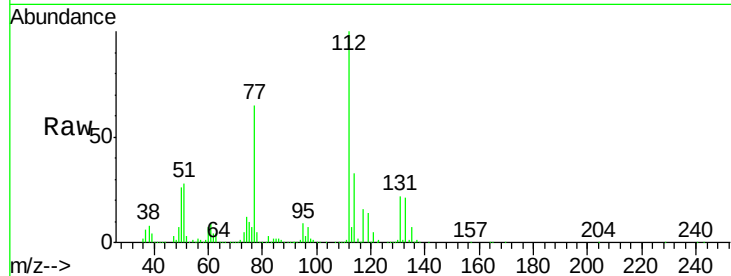
#57
Chlorobenzene
Concen: 8.827 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

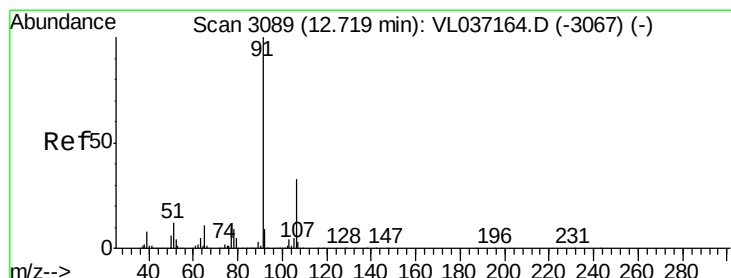
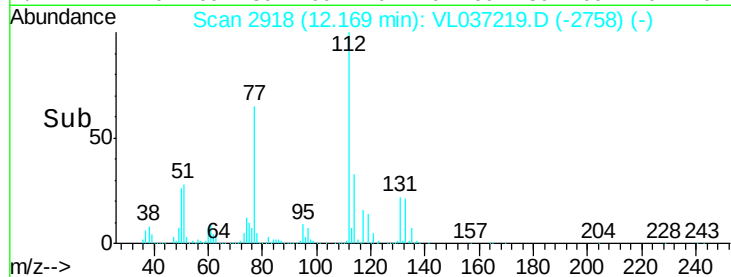
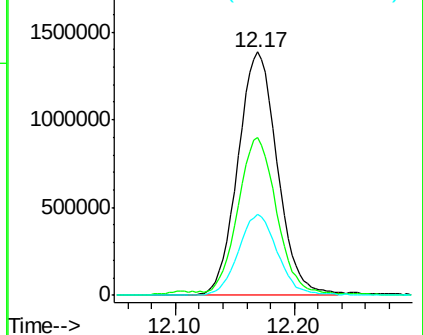
Tot Ion	Ratio	Lower	Upper
112	100		
77	64.2	52.2	78.4
114	33.1	31.1	38.1

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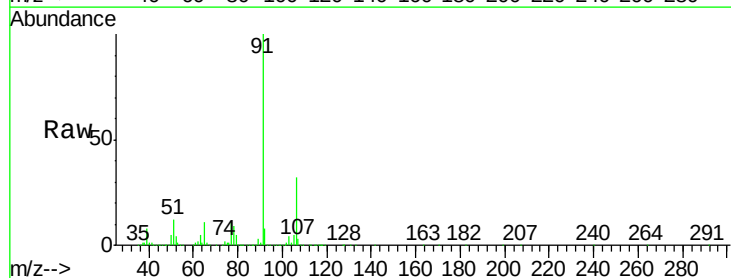


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

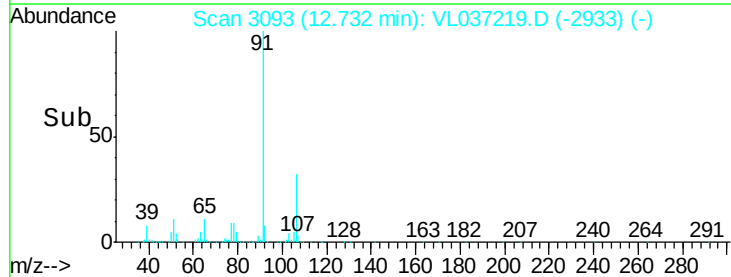
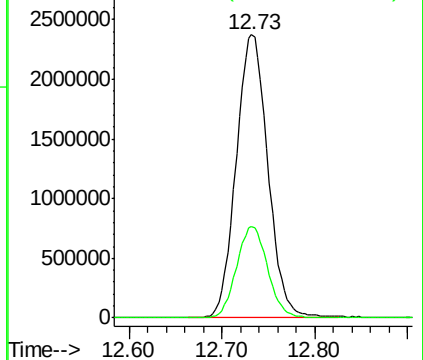


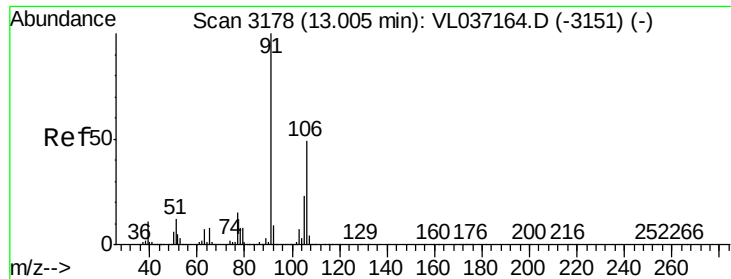
#58
Ethyl Benzene
Concen: 9.218 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.1	26.3	39.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





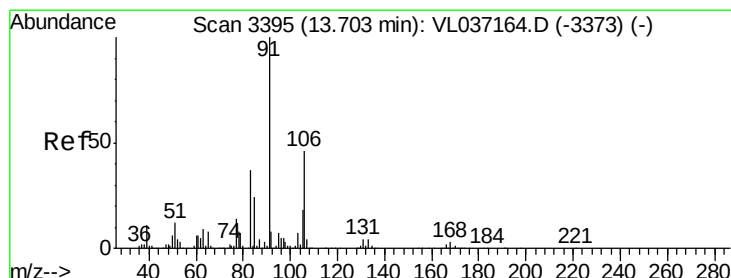
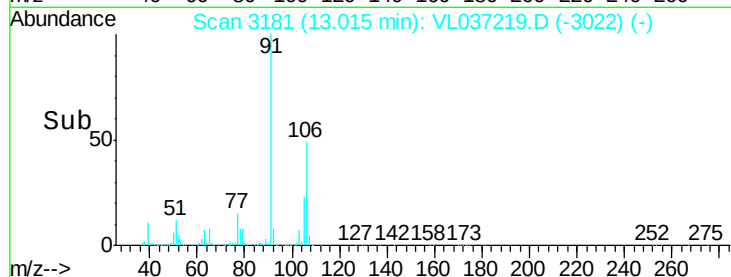
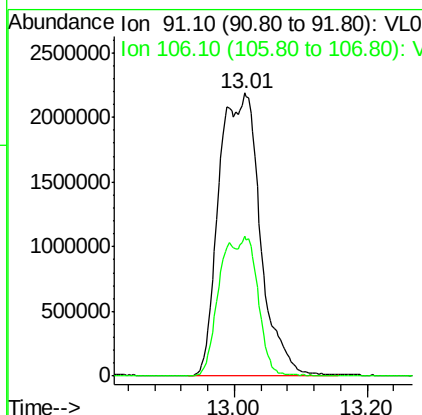
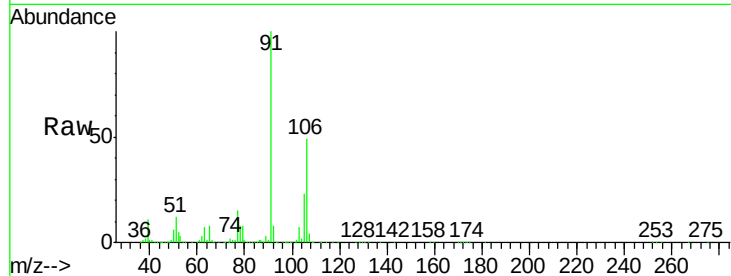
#59
m/p-Xylene
Concen: 18.294 ppbv m
RT: 13.01 min Scan# 3181
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion: 91 Resp: 9469758
Ion Ratio Lower Upper
91 100
106 45.3 37.0 55.4

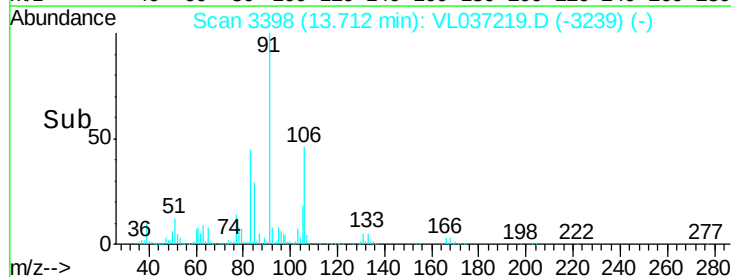
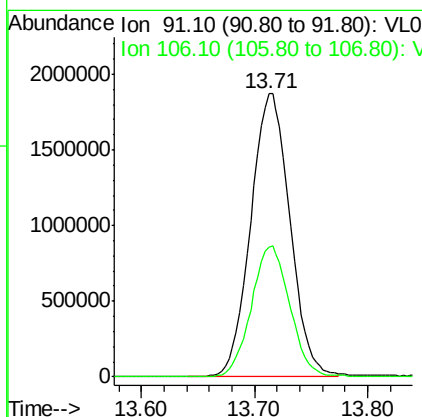
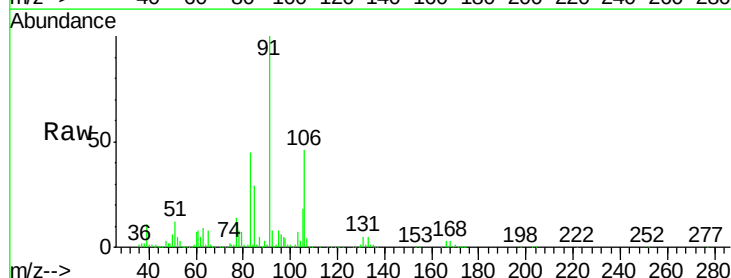
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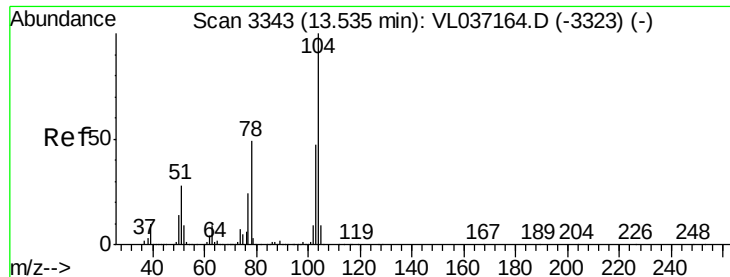
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#60
o-Xylene
Concen: 9.123 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Tgt Ion: 91 Resp: 4496641
Ion Ratio Lower Upper
91 100
106 45.8 23.0 69.0





#61

Stvrene

Concen: 10.103 ppbv

RT: 13.55 min Scan# 3348

Delta R.T. 0.02 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion:104 Resp: 2569978

Ion Ratio Lower Upper

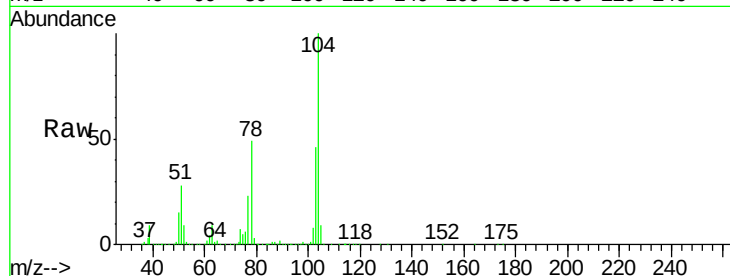
104 100

78 50.5 39.7 59.5

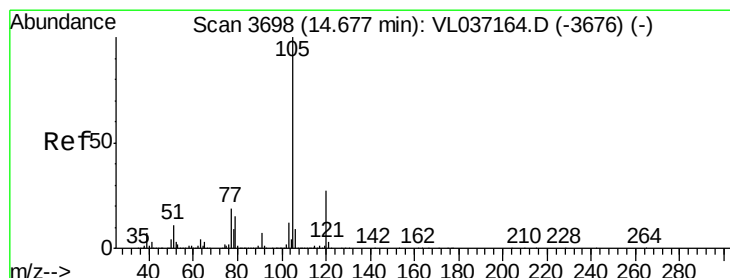
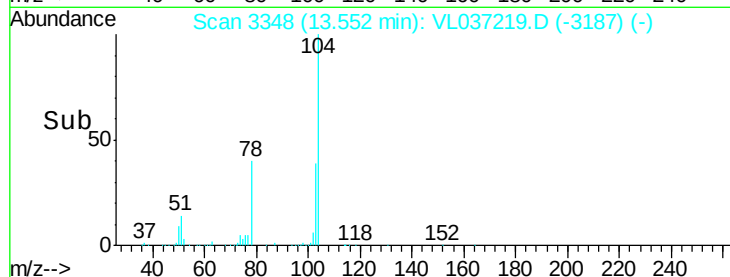
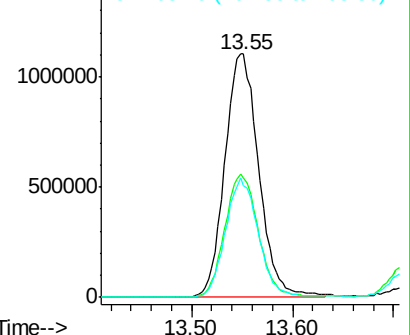
103 47.9 37.6 56.4

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Abundance Ion 104.10 (103.80 to 104.80): V
1500000 Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.023 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. 0.01 min

Lab File: VL037219.D

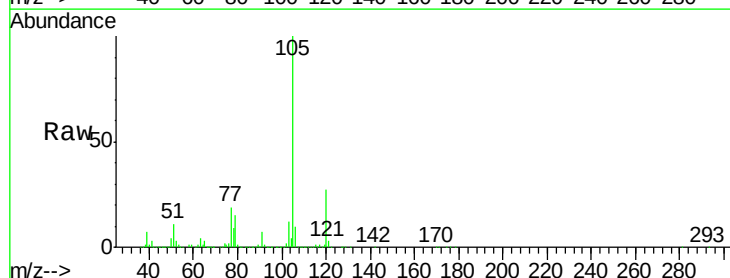
Acq: 22 Jun 2021 16:33

Tgt Ion:105 Resp: 6323760

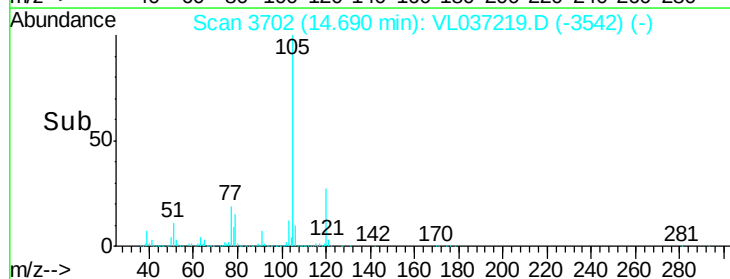
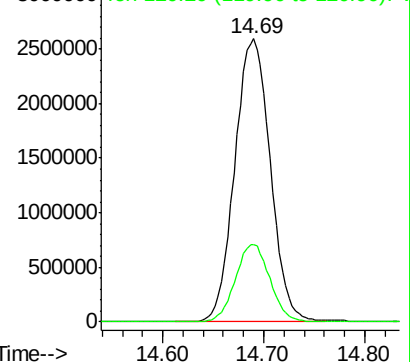
Ion Ratio Lower Upper

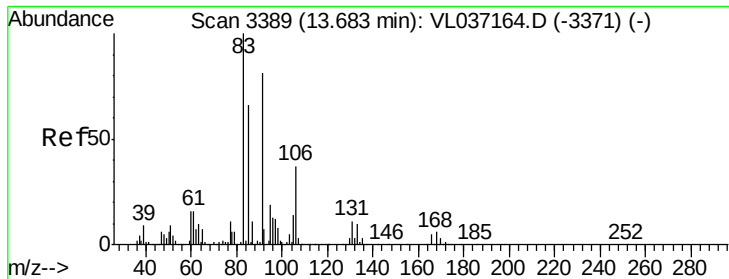
105 100

120 26.8 21.6 32.4



Abundance Ion 105.10 (104.80 to 105.80): V
3000000 Ion 120.20 (119.90 to 120.90): V





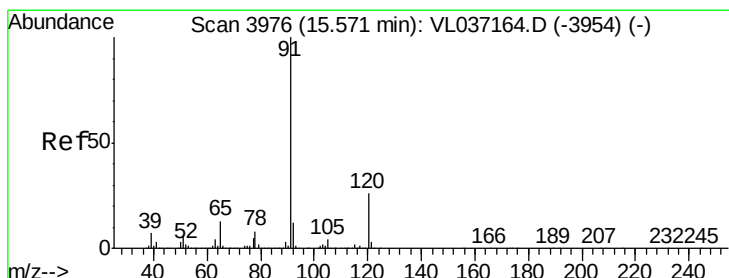
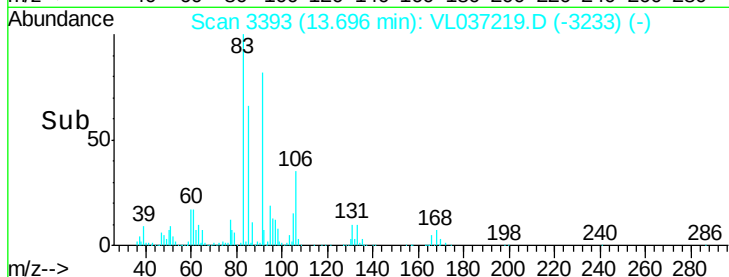
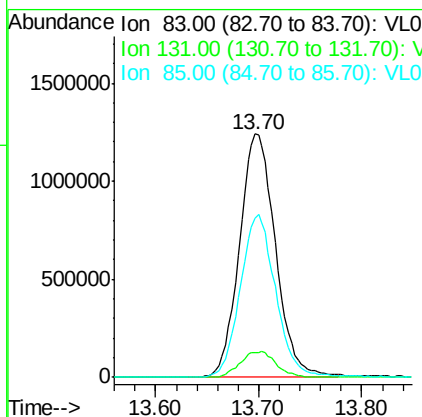
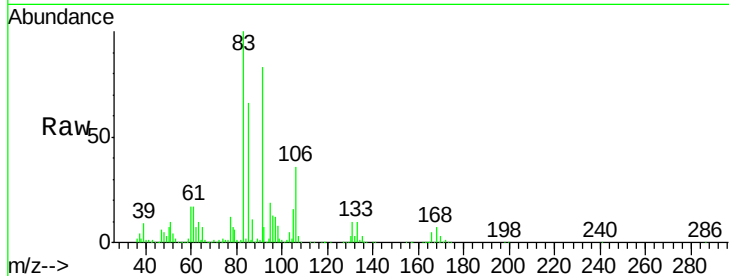
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.164 ppbv
 RT: 13.70 min Scan# 3393
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Tot Ion: 83 Resp: 3007552
 Ion Ratio Lower Upper
 83 100
 131 10.7 5.4 16.2
 85 66.6 33.1 99.2

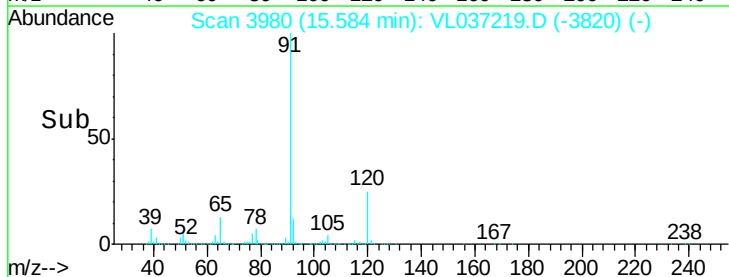
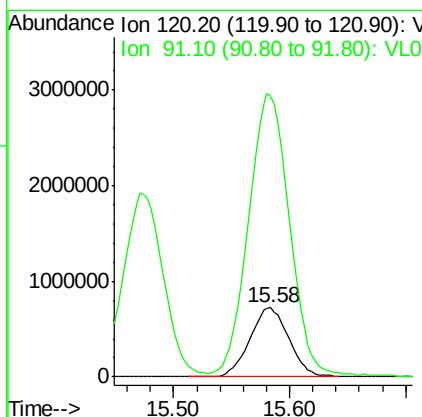
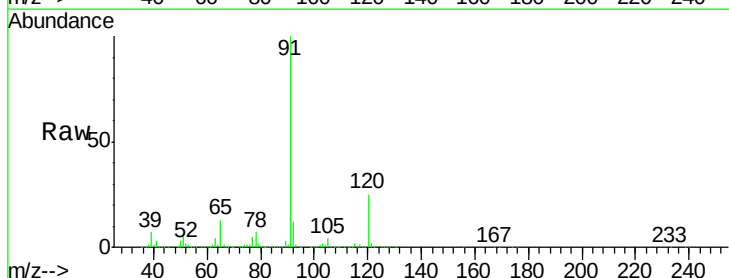
Manual Integrations
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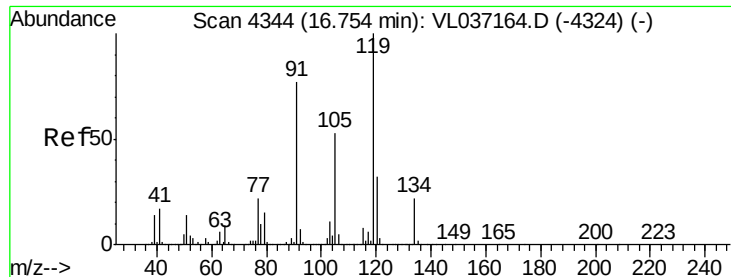
MMDadoda
 6/24/2021 4:32:48 PM



#64
 n-propylbenzene
 Concen: 9.656 ppbv
 RT: 15.58 min Scan# 3980
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Tgt Ion: 120 Resp: 1694827
 Ion Ratio Lower Upper
 120 100
 91 431.5 343.3 514.9





#65

tert-Butylbenzene

Concen: 9.183 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion:119 Resp: 5708244

Ion Ratio Lower Upper

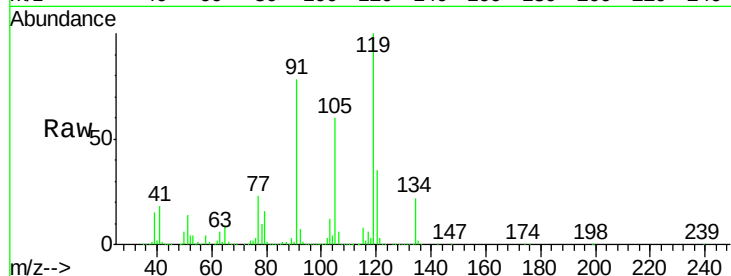
119 100

91 78.6 62.6 93.8

134 20.2 16.2 24.4

Manual Integrations
APPROVED

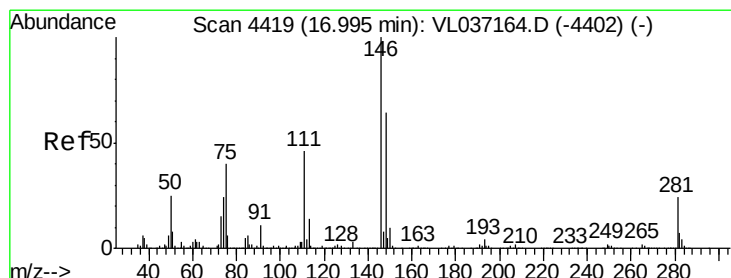
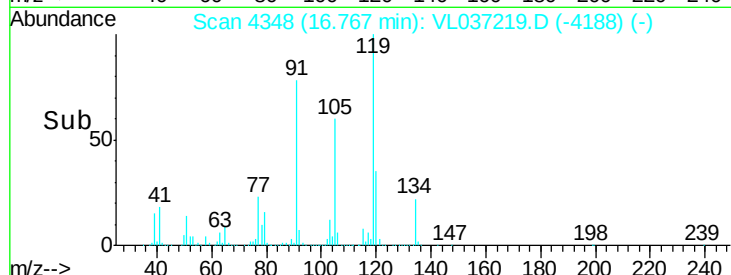
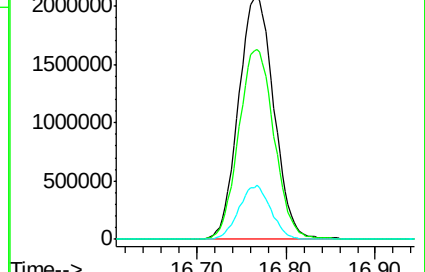
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 7.302 ppbv

RT: 17.01 min Scan# 4423

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

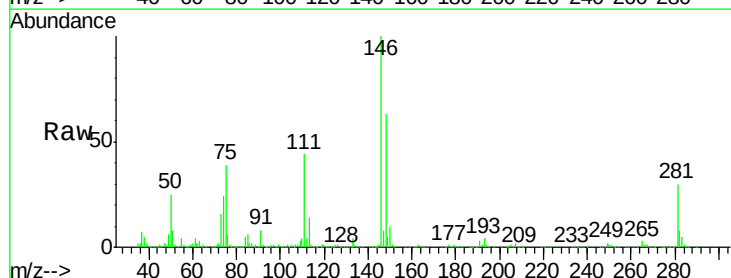
Tgt Ion: 91 Resp: 192361

Ion Ratio Lower Upper

91 100

126 21.8 15.5 23.3

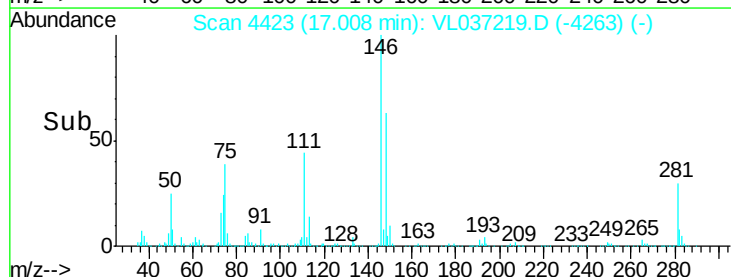
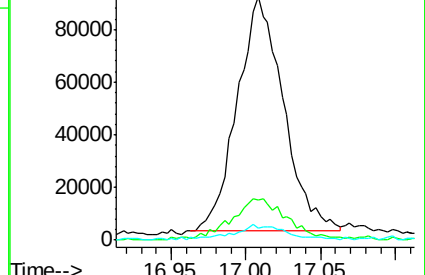
128 7.9 5.7 8.5

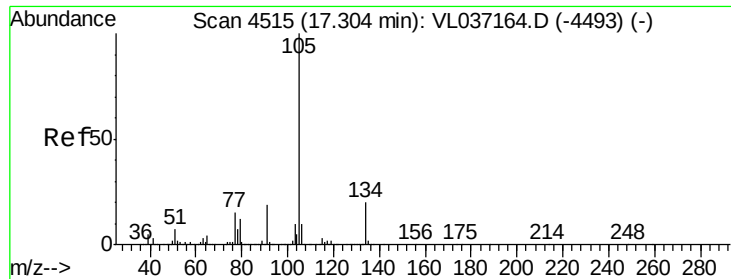


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.145 ppbv

RT: 17.32 min Scan# 4519

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion:105 Resp: 7580258

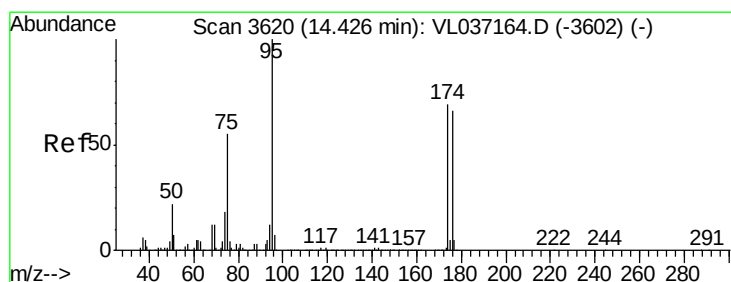
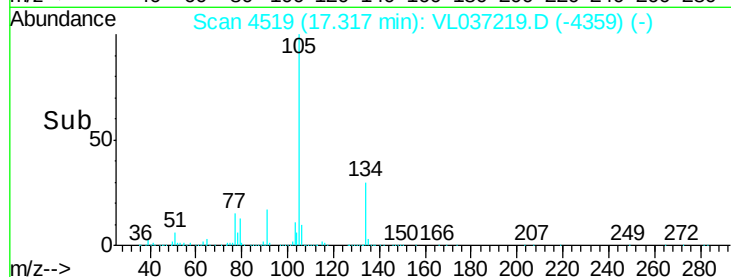
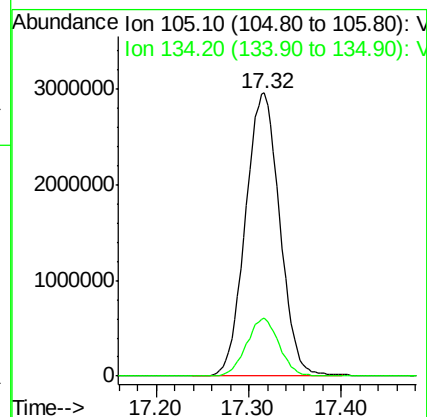
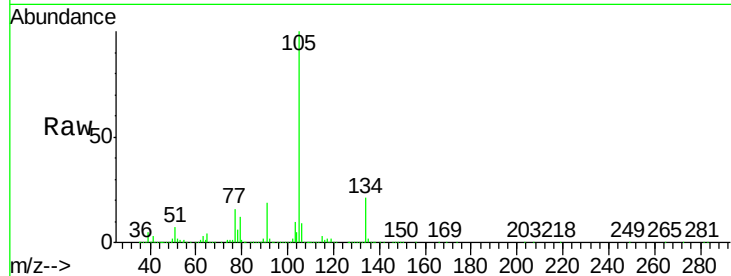
Ion Ratio Lower Upper

105 100

134 19.7 15.8 23.6

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.218 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

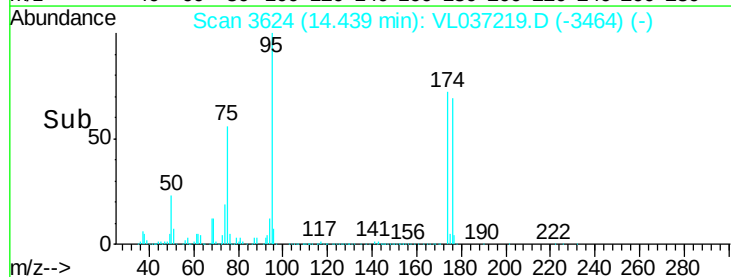
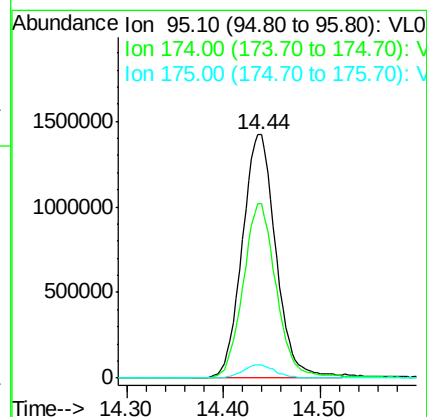
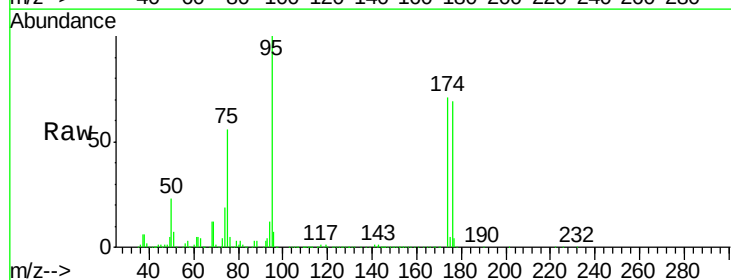
Tgt Ion: 95 Resp: 3435739

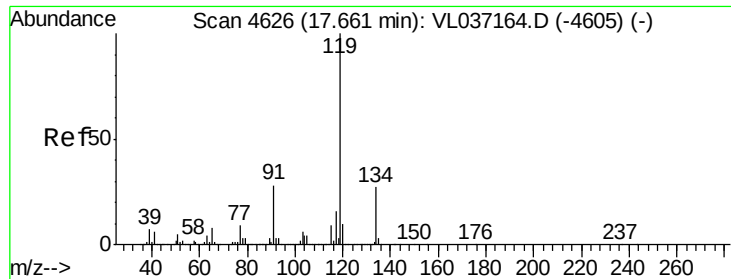
Ion Ratio Lower Upper

95 100

174 71.5 57.0 85.4

175 5.4 4.4 6.6





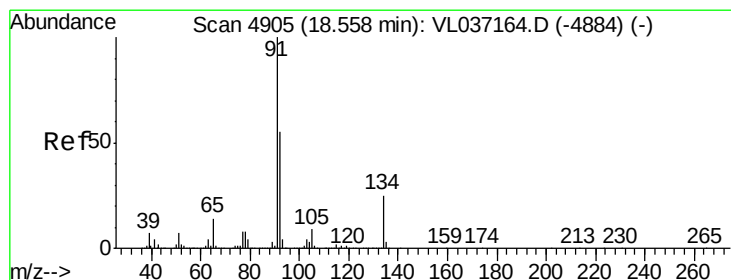
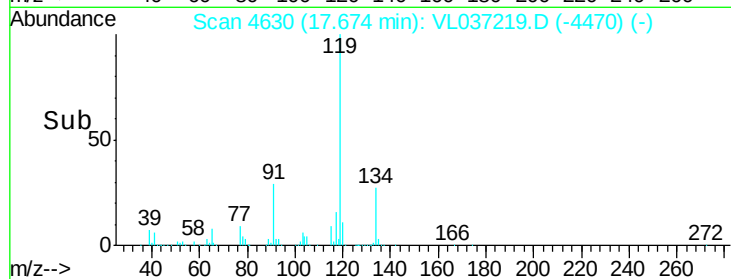
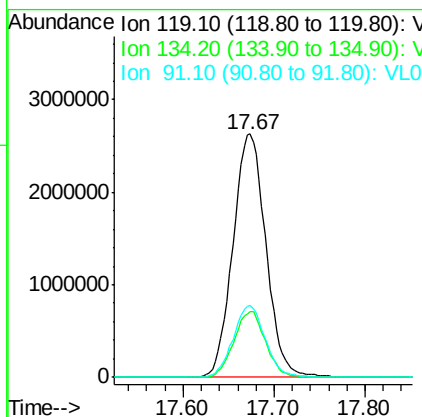
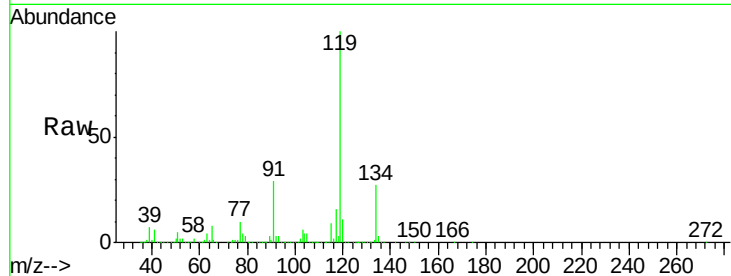
#69
 p-Isopropyltoluene
 Concen: 9.429 ppbv
 RT: 17.67 min Scan# 4630
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.2	20.9	31.3
91	28.6	22.6	34.0

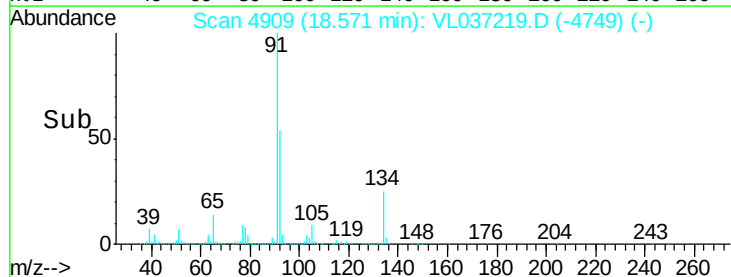
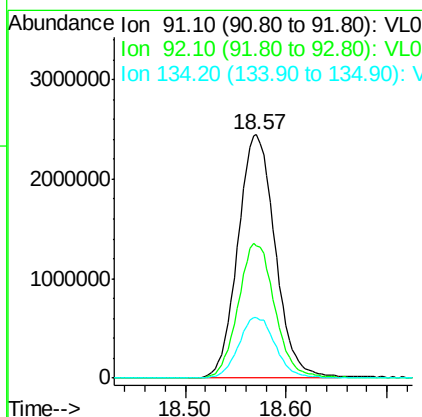
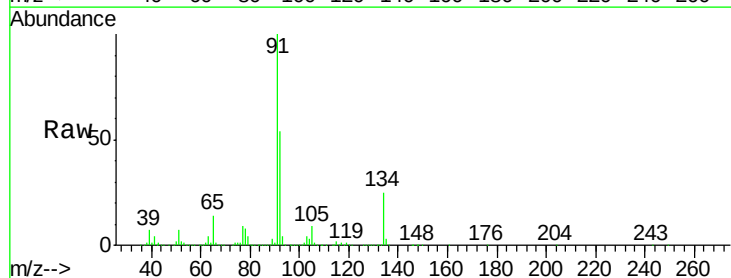
Manual Integrations
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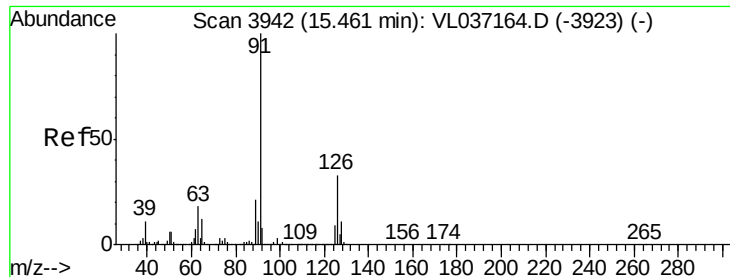
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#70
 n-Butylbenzene
 Concen: 9.657 ppbv
 RT: 18.57 min Scan# 4909
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.0	66.0
134	25.0	20.2	30.4





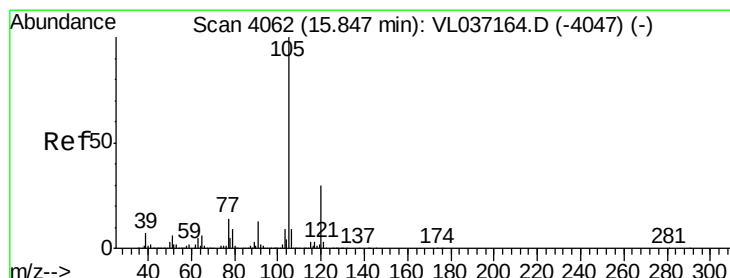
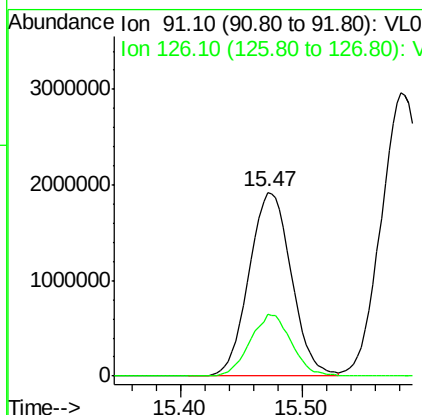
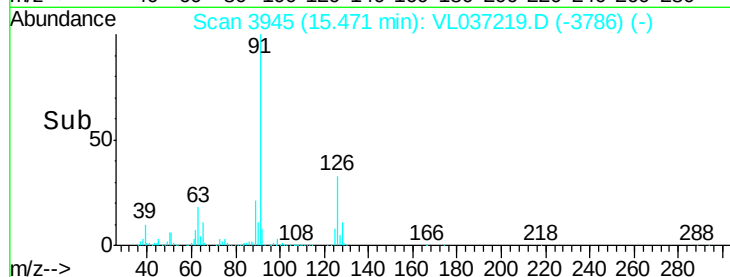
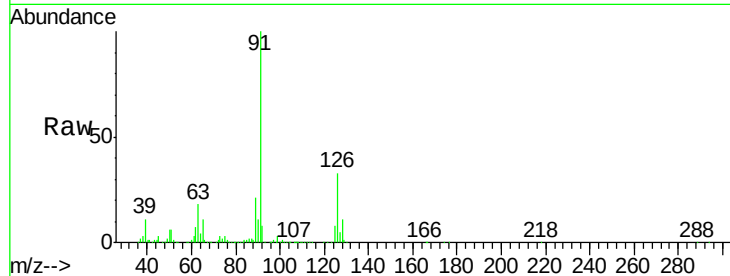
#71
2-Chlorotoluene
Concen: 9.428 ppbv
RT: 15.47 min Scan# 3945
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion: 91 Resp: 4620117
Ion Ratio Lower Upper
91 100
126 33.3 13.5 54.1

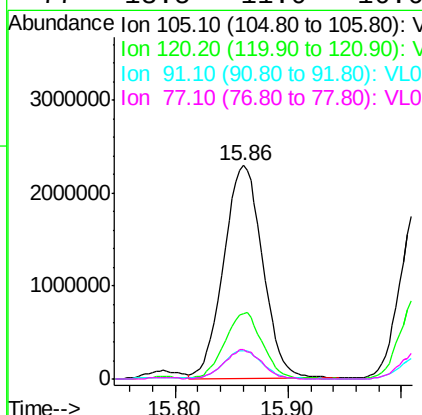
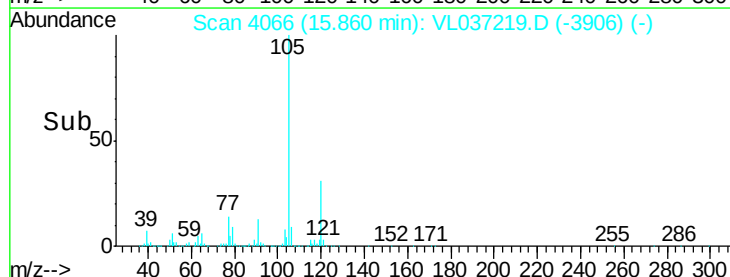
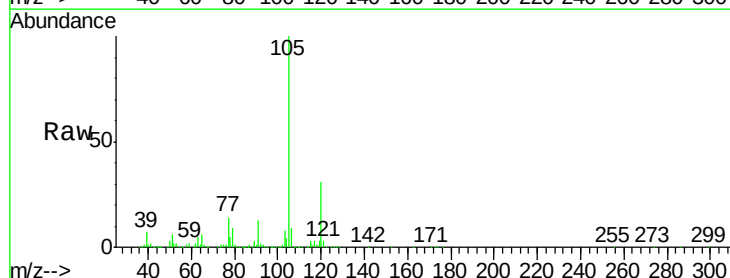
Manual Integrations
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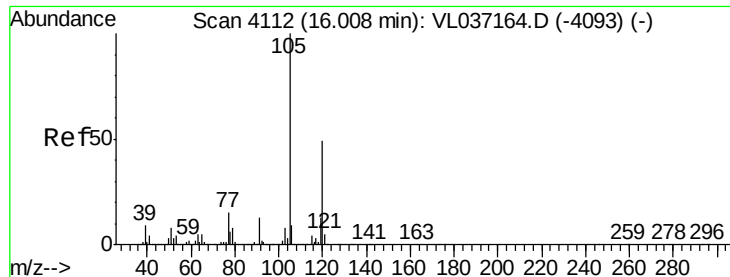
MMDadoda
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#72
4-Ethyltoluene
Concen: 9.762 ppbv
RT: 15.86 min Scan# 4066
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Tgt Ion: 105 Resp: 5466377
Ion Ratio Lower Upper
105 100
120 30.5 24.7 37.1
91 13.0 10.2 15.4
77 13.5 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 9.129 ppbv

RT: 16.02 min Scan# 4115

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Instrument :

MSVOA_L

ClientSampleId :

VL0622ABS01

Tot Ion:105 Resp: 4940933

Ion Ratio Lower Upper

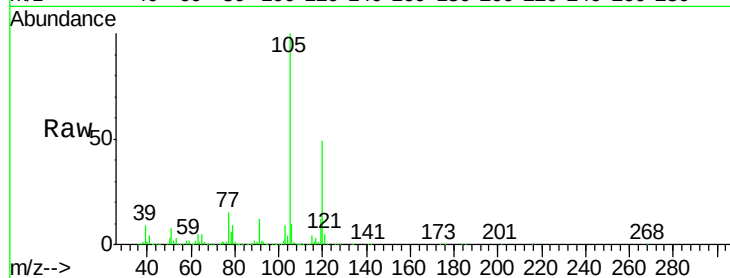
105 100

120 49.1 39.4 59.2

Manual Integrations
APPROVED

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.02

2000000

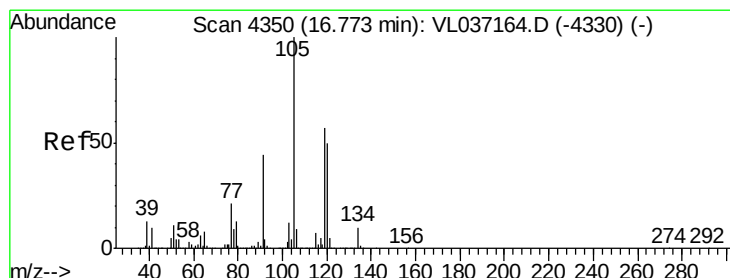
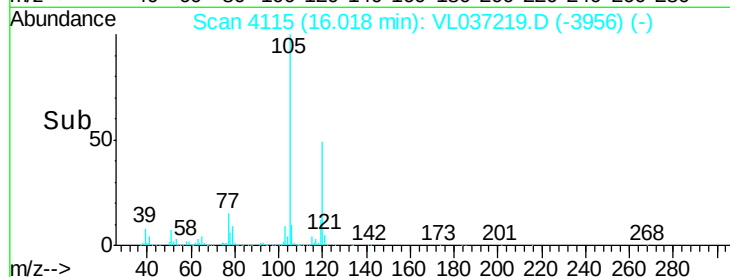
1500000

1000000

500000

0

Time--> 15.90 16.00 16.10



#74

1,2,4-Trimethylbenzene

Concen: 9.196 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.01 min

Lab File: VL037219.D

Acq: 22 Jun 2021 16:33

Tgt Ion:105 Resp: 5128827

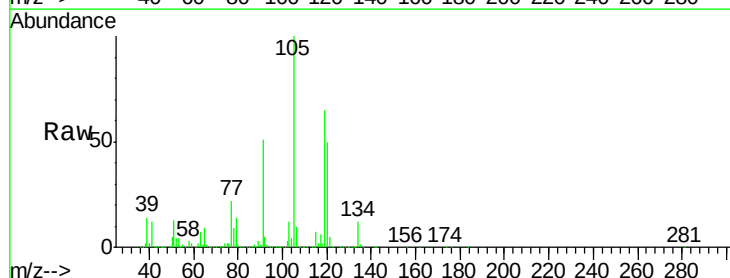
Ion Ratio Lower Upper

105 100

120 50.3 39.8 59.8

91 50.2 37.0 55.4

77 21.7 17.0 25.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

3000000

2500000

2000000

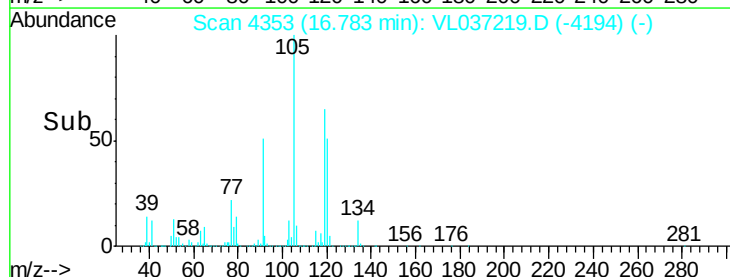
1500000

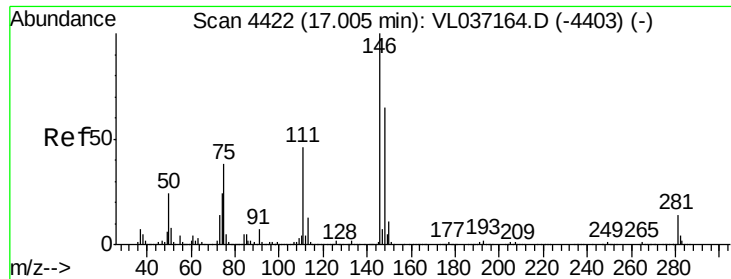
1000000

500000

0

Time--> 16.70 16.80





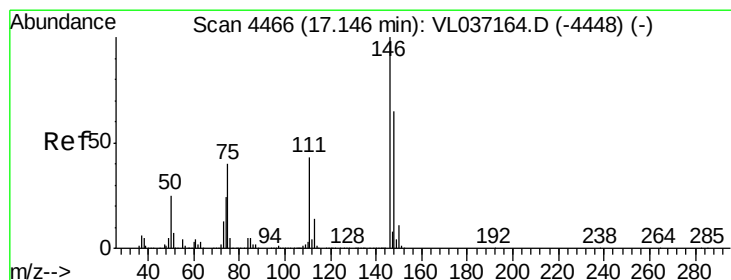
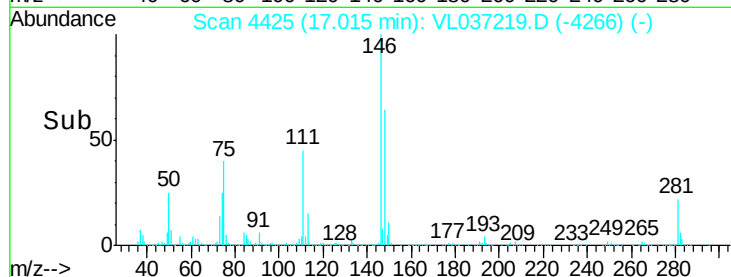
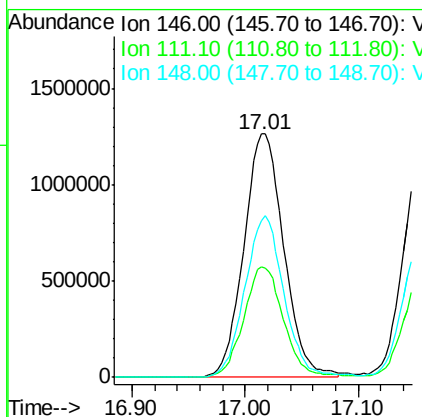
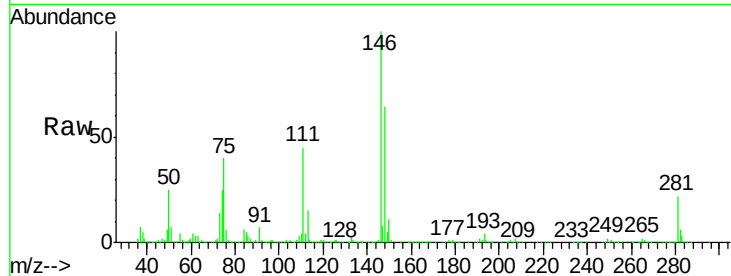
#75
 1,3-Dichlorobenzene
 Concen: 9.158 ppbv
 RT: 17.01 min Scan# 4425
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Tot Ion:146 Resp: 3105494
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.2 66.6
 148 65.0 32.4 97.2

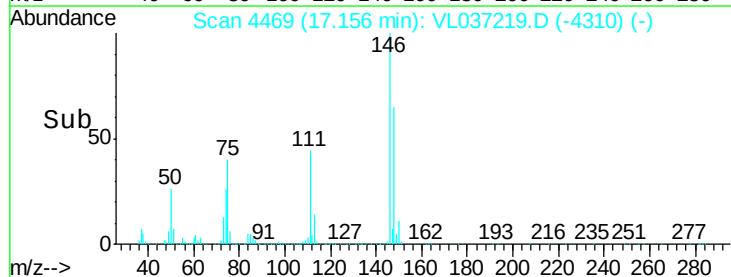
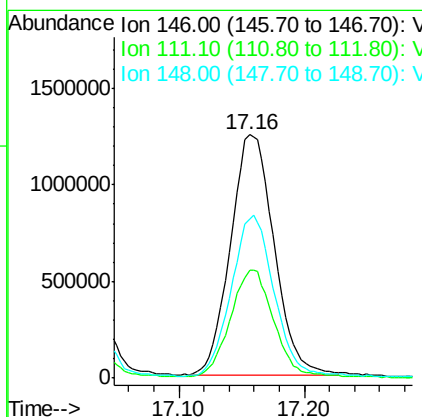
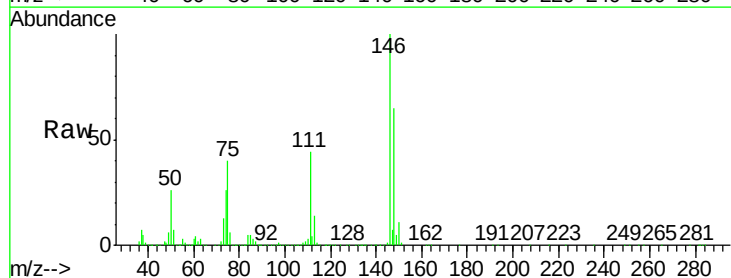
Manual Integrations
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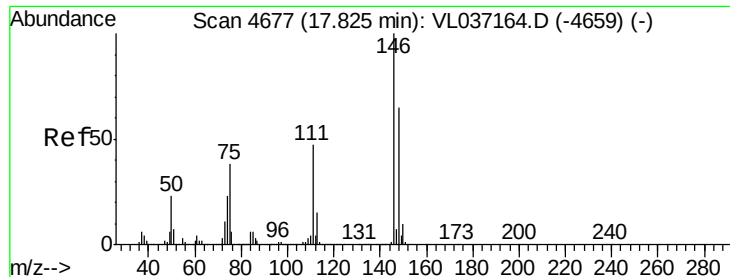
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#76
 1,4-Dichlorobenzene
 Concen: 8.903 ppbv
 RT: 17.16 min Scan# 4469
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Tgt Ion:146 Resp: 3015258
 Ion Ratio Lower Upper
 146 100
 111 45.4 22.7 68.0
 148 67.7 33.7 101.1





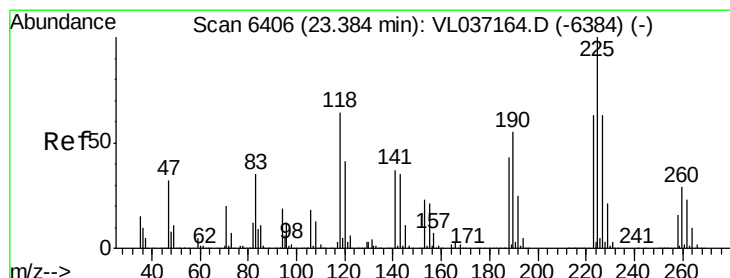
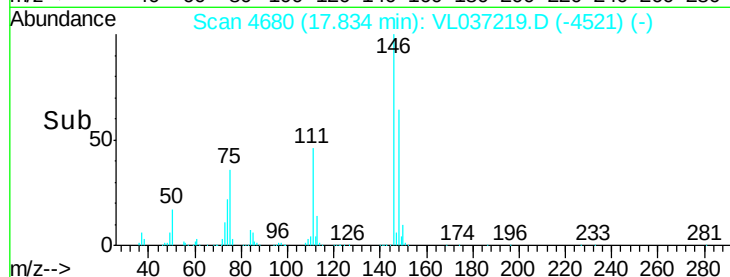
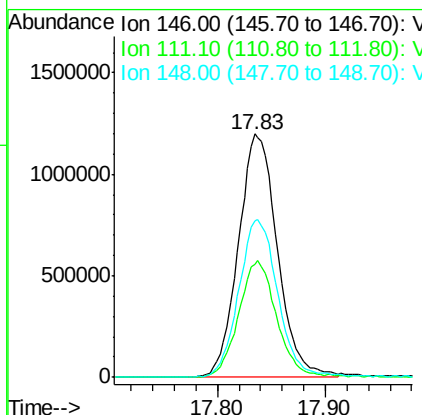
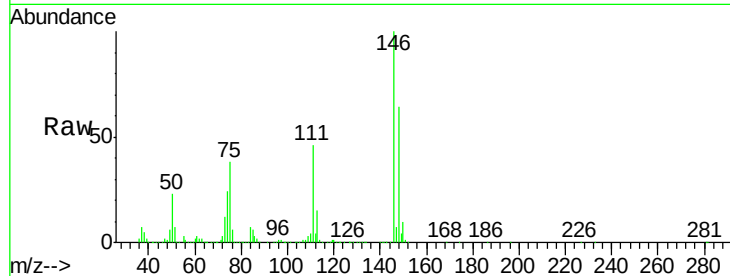
#77
 1,2-Dichlorobenzene
 Concen: 9.144 ppbv
 RT: 17.83 min Scan# 4680
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.3	69.8
148	65.7	32.4	97.0

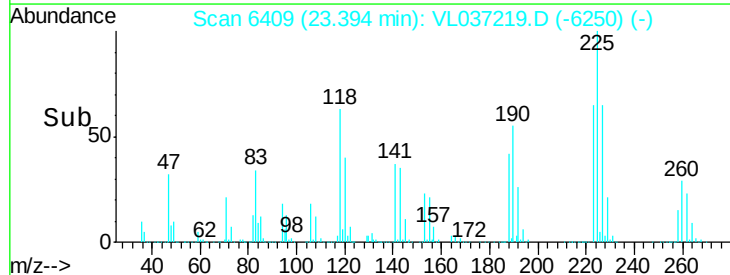
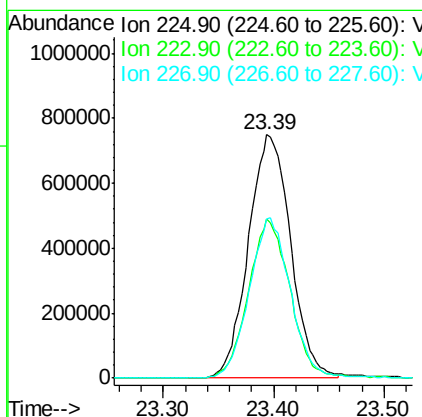
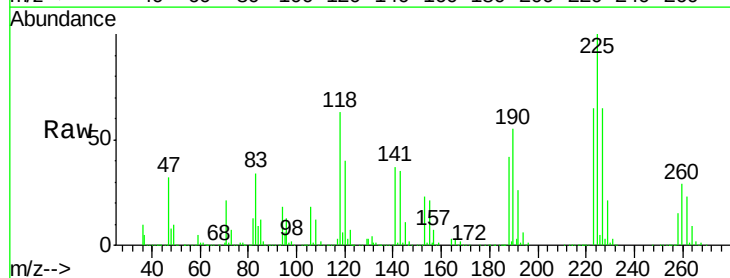
Manual Integrations
 APPROVED

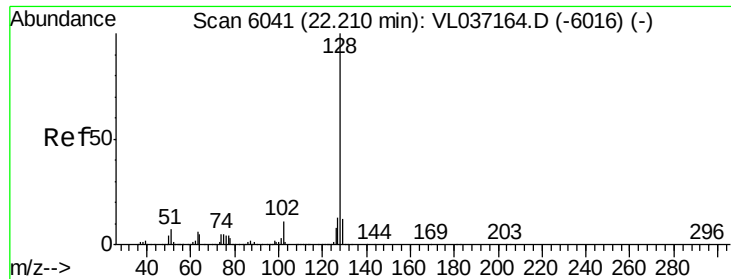
MMDadoda
 6/24/2021 4:32:48 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.055 ppbv
 RT: 23.39 min Scan# 6409
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	51.8	77.8
227	64.6	51.4	77.0





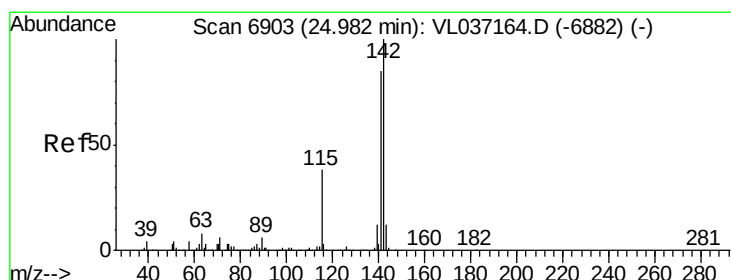
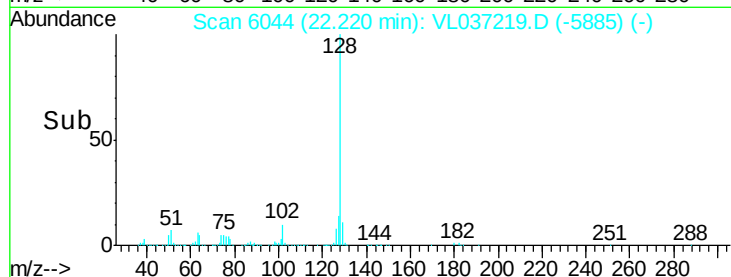
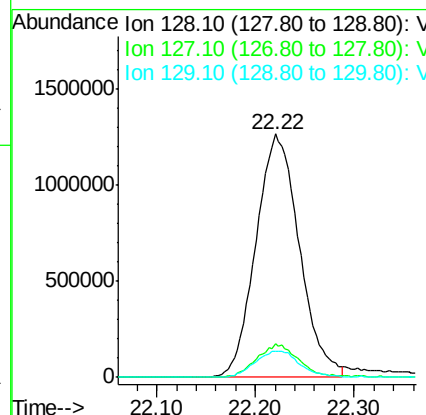
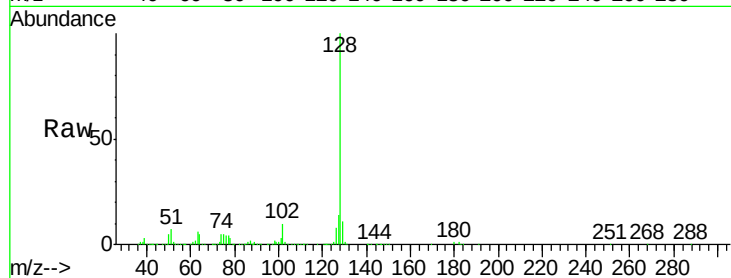
#79
Naphthalene
Concen: 8.265 ppbv
RT: 22.22 min Scan# 6044
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Instrument :
MSVOA_L
ClientSampleId :
VL0622ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.7	16.1
129	10.7	9.3	13.9

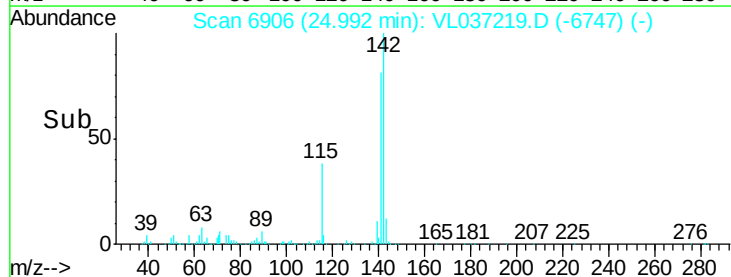
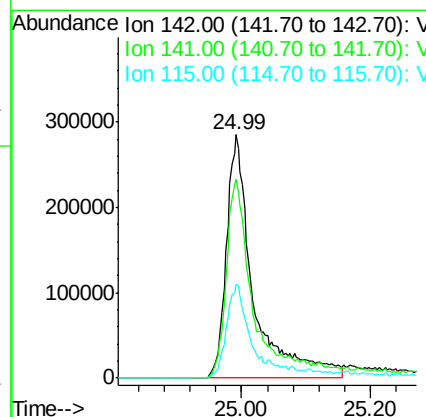
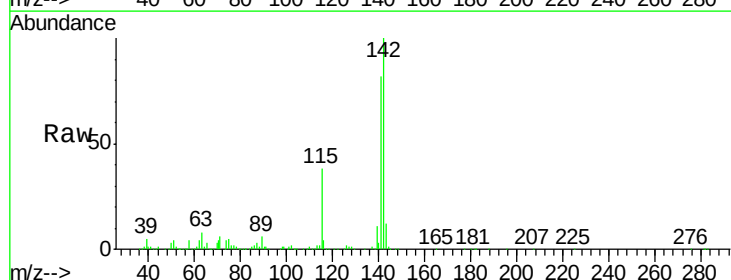
Manual Integrations
APPROVED

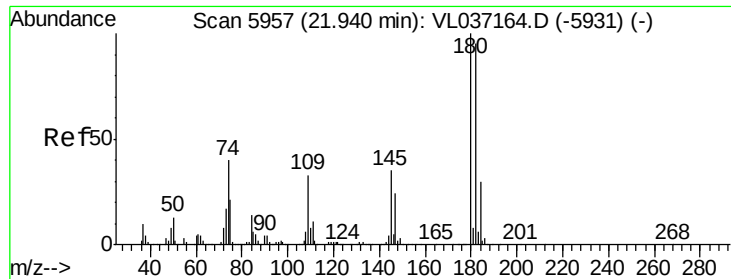
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6/24/2021 4:32:48 PM



#80
Naphthalene, 2-methyl-
Concen: 6.851 ppbv
RT: 24.99 min Scan# 6906
Delta R.T. 0.01 min
Lab File: VL037219.D
Acq: 22 Jun 2021 16:33

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.1	63.7	95.5
115	38.6	30.6	45.8





#81
 1,2,4-Trichlorobenzene
 Concen: 8.364 ppbv
 RT: 21.95 min Scan# 5960
 Delta R.T. 0.01 min
 Lab File: VL037219.D
 Acq: 22 Jun 2021 16:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0622ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.7	79.3	118.9
184	31.5	24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
 6/24/2021 4:32:48 PM

