

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061521\
 Data File : VL037162.D
 Acq On : 15 Jun 2021 20:28
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 6/16/2021 5:01:42 PM

Quant Time: Jun 16 02:26:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jun 14 2021
 QLast Update : Mon Jun 14 16:49:11 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1598776	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4718208	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4148327m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3424033	11.21	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	112.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	2196715	8.627	ppbv	100
3) Chlorodifluoromethane	3.00	51	2622663	8.745	ppbv	99
4) Chloromethane	3.15	50	836780	8.188	ppbv	97
5) Vinyl Chloride	3.27	62	879201	8.893	ppbv	99
6) Bromomethane	3.48	94	416619	6.625	ppbv	98
7) Chloroethane	3.57	64	339785	8.808	ppbv	96
8) Dichlorotetrafluoroethane	3.20	85	2305695	8.475	ppbv	100
9) Propene	3.02	41	803474	8.122	ppbv	99
10) Heptane	8.14	43	2044251	8.668	ppbv	100
11) Trichlorofluoromethane	3.96	101	2400039	8.308	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1690905	8.532	ppbv	99
13) Ethanol	3.62	45	118003m	8.633	ppbv	
14) Bromoethene	3.75	108	716698	8.357	ppbv	99
15) Acetone	3.86	43	1186368	6.201	ppbv	100
16) 1,3-Butadiene	3.33	39	984452	9.531	ppbv	90
17) tert-Butyl alcohol	4.30	59	1381214	8.342	ppbv	100
18) 1,1-Dichloroethene	4.30	96	768900	8.600	ppbv	96
19) Isopropyl Alcohol	3.98	45	884135	8.422	ppbv #	98
20) Methylene Chloride	4.36	84	591190	7.091	ppbv	96
21) Allyl Chloride	4.42	41	946214	7.403	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	741728	8.515	ppbv	93
23) Vinyl Acetate	5.09	43	2212773	8.808	ppbv	98
24) 1,1-Dichloroethane	5.02	63	1774951	8.803	ppbv	99
25) Ethyl Acetate	5.69	43	3085932	8.232	ppbv	99
26) Hexane	5.70	57	1526751	8.189	ppbv	98
27) Carbon Disulfide	4.56	76	1723695	9.119	ppbv	100
28) Methyl tert-Butyl Ether	5.05	73	1896846	8.124	ppbv	100
29) Chloroform	5.77	83	2477137	8.231	ppbv	99
30) Cyclohexane	7.14	84	1395697	8.587	ppbv	100
31) cis-1,2-Dichloroethene	5.56	61	1554665	8.653	ppbv	99
32) 1,1,1-Trichloroethane	6.53	97	2618954	9.477	ppbv	100
34) 2-Butanone	5.26	43	1450977	8.188	ppbv	99
35) Carbon Tetrachloride	7.03	117	2767338	9.541	ppbv	98
36) Benzene	6.91	78	3220823	8.603	ppbv	99
37) 1,2-Dichloroethane	6.32	62	1871111	8.607	ppbv	99
38) Trichloroethene	7.85	130	1374747	8.497	ppbv	99
39) 1,2-Dichloropropane	7.63	63	1240979	8.682	ppbv	99
40) 1,4-Dioxane	7.86	88	337266m	8.426	ppbv	
41) Tetrahydrofuran	6.07	42	699838	8.115	ppbv	98
42) Bromodichloromethane	7.81	83	2699433	9.012	ppbv	99
43) Methyl Methacrylate	8.03	69	1230736	9.582	ppbv	98

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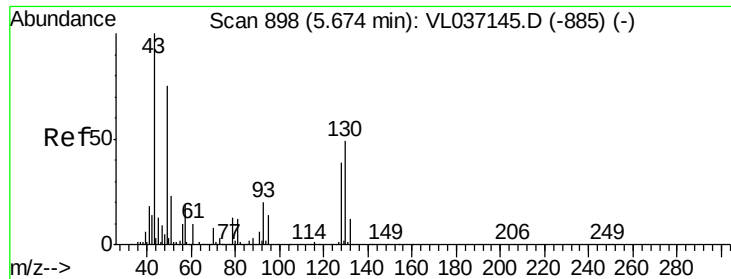
Manual Integrations
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Quant Time: Jun 16 02:26:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jun 14 2021
 QLast Update : Mon Jun 14 16:49:11 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	5343280	8.527	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	609017	5.262	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	879616	5.696	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1386062	8.549	ppbv	100
48) Dibromochloromethane	10.32	129	2507263	9.586	ppbv	100
49) Bromoform	13.06	173	2119608	10.374	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2244047	8.609	ppbv	100
51) 2-Hexanone	10.15	43	1253407	9.633	ppbv #	98
52) Tetrachloroethene	11.24	164	1368655	8.839	ppbv	95
53) Toluene	9.82	91	3928030	8.827	ppbv	99
54) 1,2-Dibromoethane	10.63	107	2022131	8.518	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	1753485	9.692	ppbv	98
57) Chlorobenzene	12.16	112	3037079	9.136	ppbv	99
58) Ethyl Benzene	12.73	91	5264098	9.368	ppbv	99
59) m/p-Xylene	13.01	91	8903928m	18.646	ppbv	
60) o-Xylene	13.71	91	4255897	9.283	ppbv	100
61) Styrene	13.55	104	2296925	9.503	ppbv	100
62) Isopropylbenzene	14.69	105	6147582	9.407	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2944206	9.876	ppbv	100
64) n-propylbenzene	15.58	120	1656251	9.937	ppbv	98
65) tert-Butylbenzene	16.76	119	5603328	9.461	ppbv	99
66) Benzyl Chloride	17.01	91	113588m	4.394	ppbv	
67) sec-Butylbenzene	17.31	105	7471907	9.495	ppbv	99
69) p-Isopropyltoluene	17.67	119	6468745	9.834	ppbv	99
70) n-Butylbenzene	18.57	91	6107491	10.147	ppbv	100
71) 2-Chlorotoluene	15.47	91	4523707	9.704	ppbv	100
72) 4-Ethyltoluene	15.86	105	5121158	9.615	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	4673945	9.253	ppbv	96
74) 1,2,4-Trimethylbenzene	16.78	105	4934938	9.601	ppbv	96
75) 1,3-Dichlorobenzene	17.01	146	3108329	9.821	ppbv	100
76) 1,4-Dichlorobenzene	17.16	146	2974257	9.462	ppbv	97
77) 1,2-Dichlorobenzene	17.83	146	3037084	9.732	ppbv	100
78) Hexachloro-1,3-Butadiene	23.39	225	2104440	9.513	ppbv	99
79) Naphthalene	22.22	128	3893882	12.586	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	1168555	15.612	ppbv	95
81) 1,2,4-Trichlorobenzene	21.95	180	2254530	11.456	ppbv	100

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



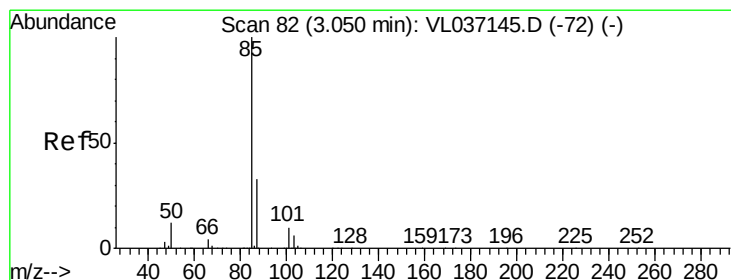
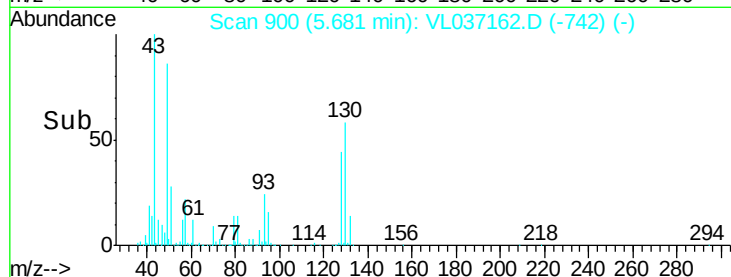
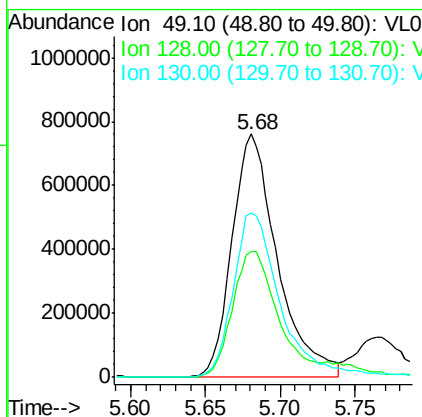
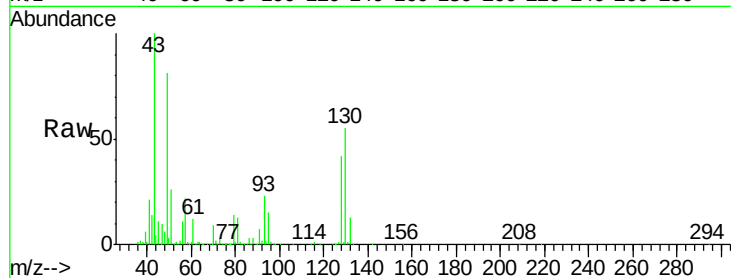
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.68 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VL037162.D
 Acq: 15 Jun 2021 20:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 49 Resp: 1598776
 Ion Ratio Lower Upper
 49 100
 128 59.2 28.8 86.5
 130 72.1 36.0 108.0

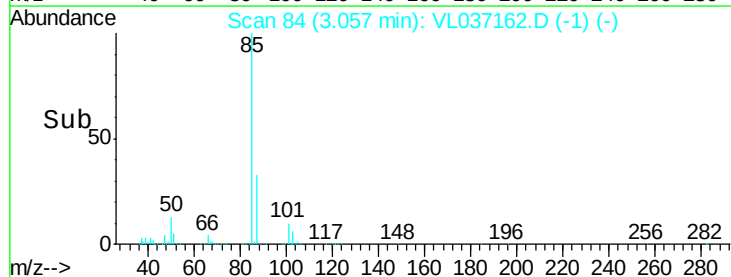
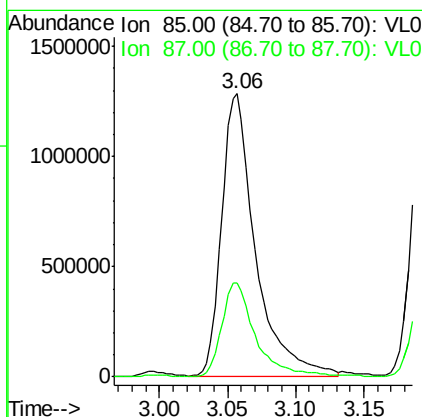
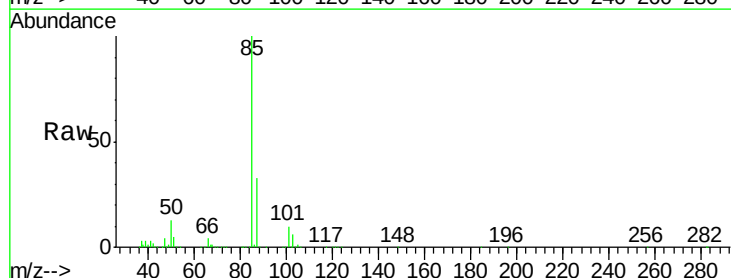
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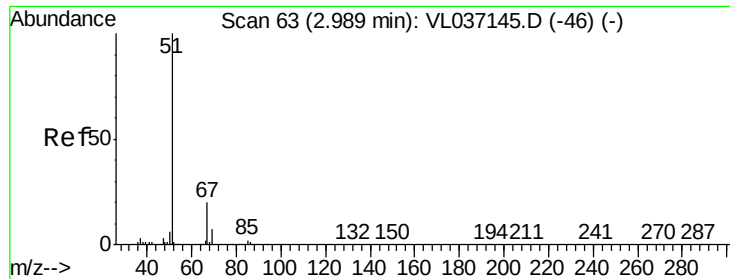
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#2
 Dichlorodifluoromethane
 Concen: 8.627 ppbv
 RT: 3.06 min Scan# 84
 Delta R.T. 0.01 min
 Lab File: VL037162.D
 Acq: 15 Jun 2021 20:28

Tgt Ion: 85 Resp: 2196715
 Ion Ratio Lower Upper
 85 100
 87 33.1 26.4 39.6





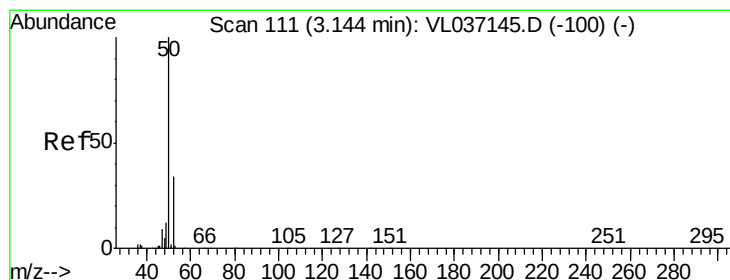
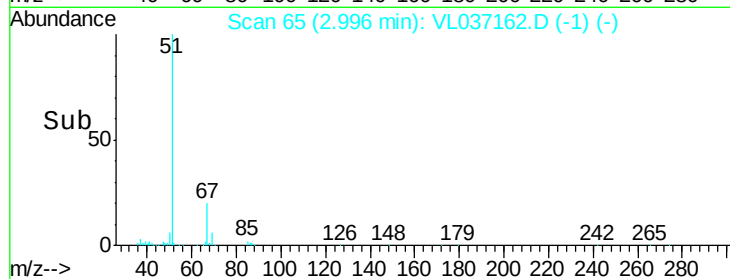
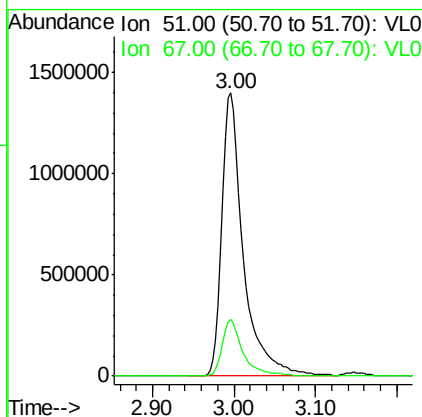
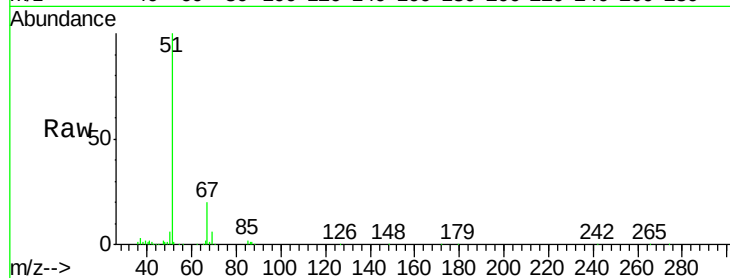
#3
Chlorodifluoromethane
Concen: 8.745 ppbv
RT: 3.00 min Scan# 65
Delta R.T. 0.01 min
Lab File: VL037162.D
Acq: 15 Jun 2021 20:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 51 Resp: 2622663
Ion Ratio Lower Upper
51 100
67 19.5 15.9 23.9

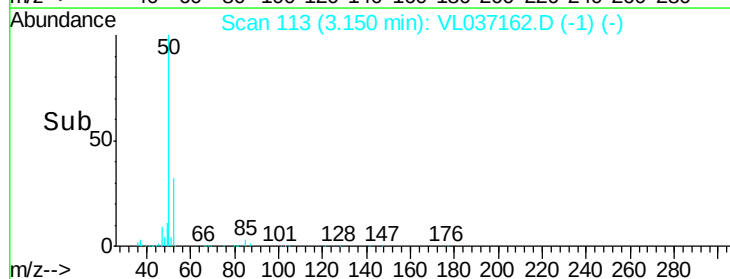
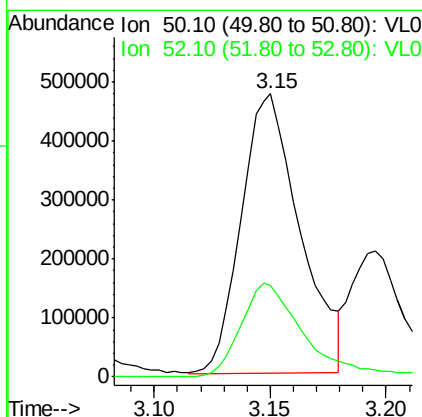
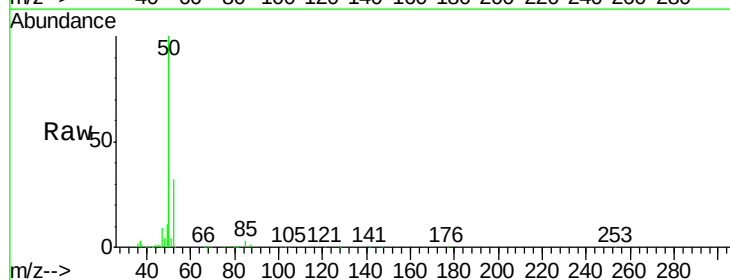
Manual Integrations
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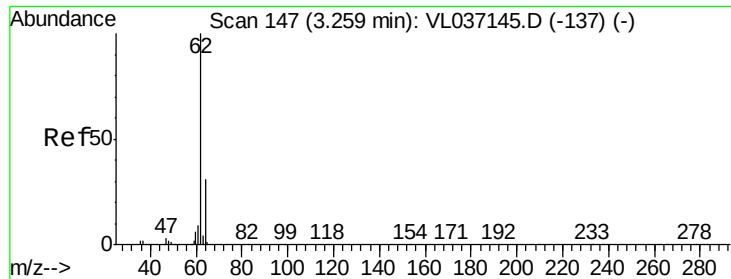
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#4
Chloromethane
Concen: 8.188 ppbv
RT: 3.15 min Scan# 113
Delta R.T. 0.01 min
Lab File: VL037162.D
Acq: 15 Jun 2021 20:28

Tgt Ion: 50 Resp: 836780
Ion Ratio Lower Upper
50 100
52 32.7 27.4 41.2





#5

Vinyl Chloride

Concen: 8.893 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL037162.D

Acq: 15 Jun 2021 20:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 879201

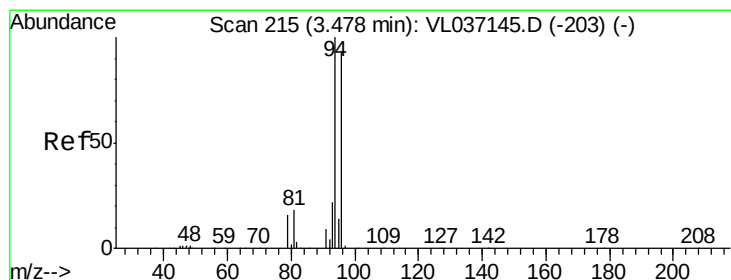
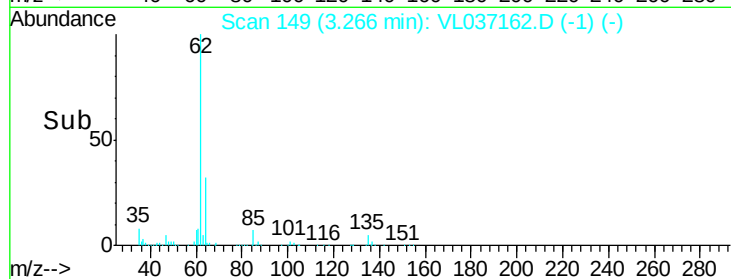
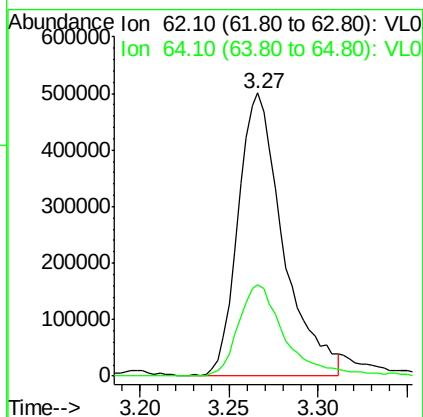
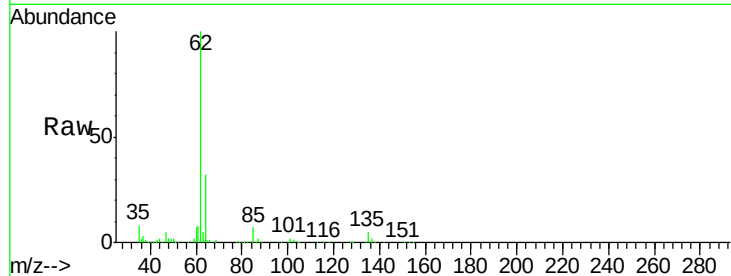
Ion Ratio Lower Upper

62 100

64 32.2 25.2 37.8

Manual Integrations
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#6

Bromomethane

Concen: 6.625 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.01 min

Lab File: VL037162.D

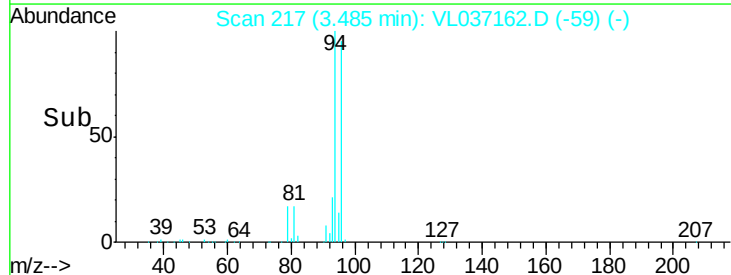
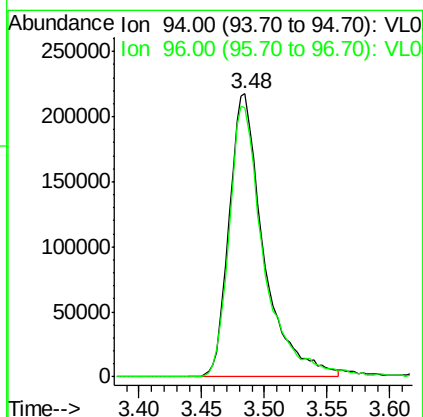
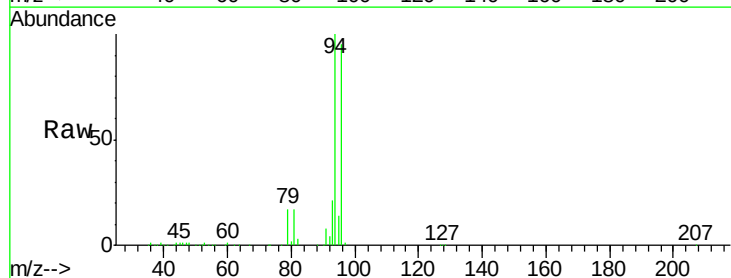
Acq: 15 Jun 2021 20:28

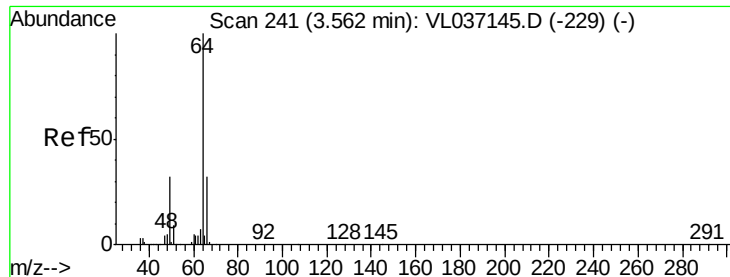
Tgt Ion: 94 Resp: 416619

Ion Ratio Lower Upper

94 100

96 95.0 74.2 111.2





#7

Chloroethane

Concen: 8.808 ppbv

RT: 3.57 min Scan# 243

Delta R.T. 0.01 min

Lab File: VL037162.D

Acq: 15 Jun 2021 20:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 339785

Ion Ratio Lower Upper

64 100

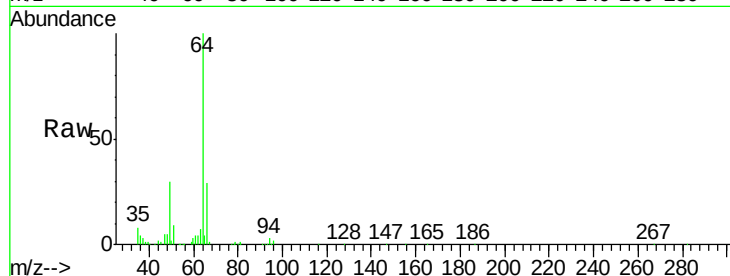
66 29.4 25.3 37.9

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

3.57

200000

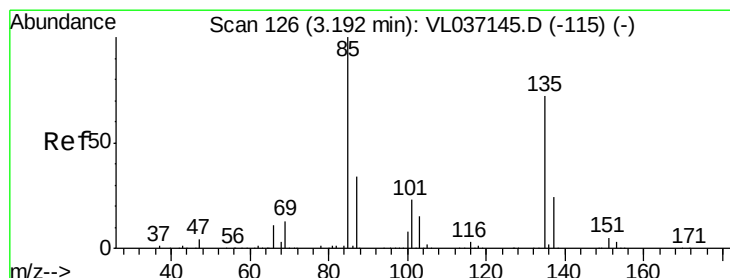
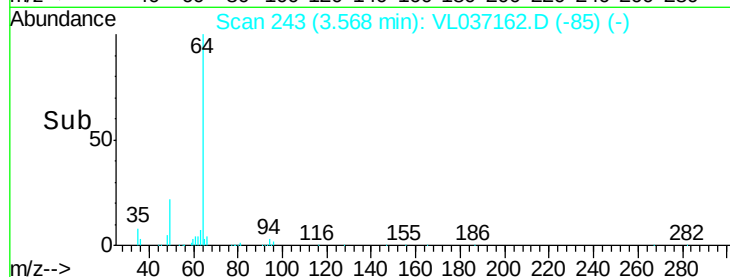
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.475 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.00 min

Lab File: VL037162.D

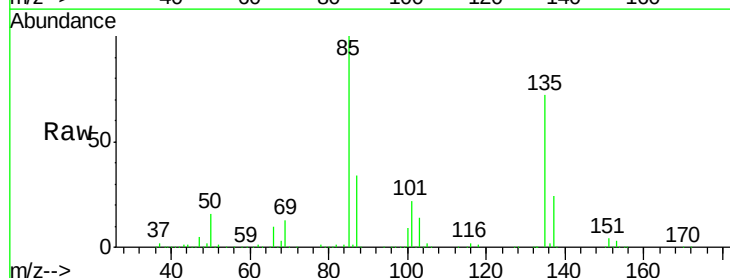
Acq: 15 Jun 2021 20:28

Tgt Ion: 85 Resp: 2305695

Ion Ratio Lower Upper

85 100

135 75.3 60.3 90.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.20

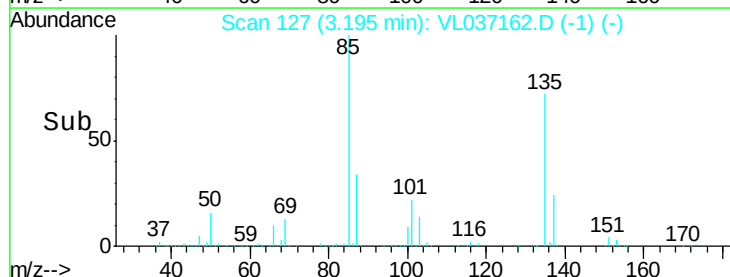
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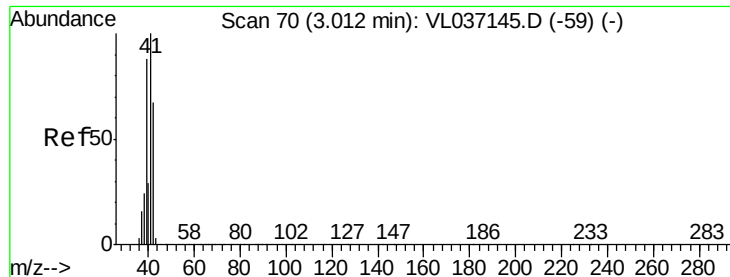
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Time-->





#9

Propene

Concen: 8.122 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL037162.D

Acq: 15 Jun 2021 20:28

Instrument :

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ClientSampleId :

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Tot Ion: 41 Resp: 803474

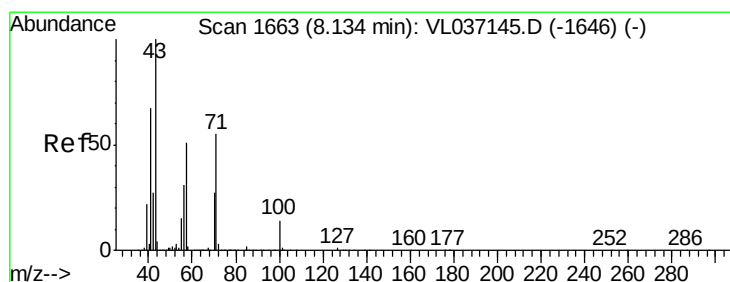
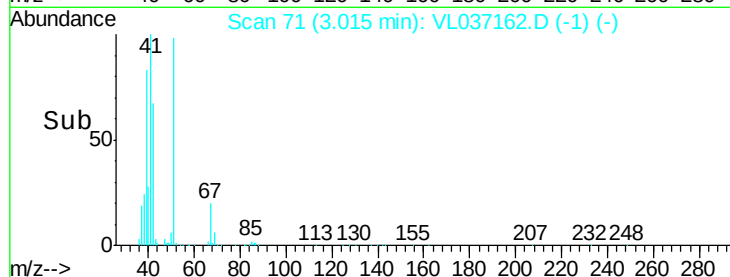
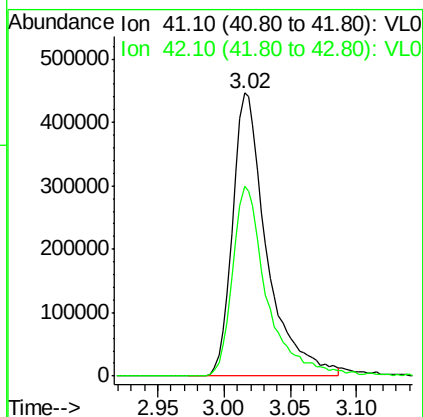
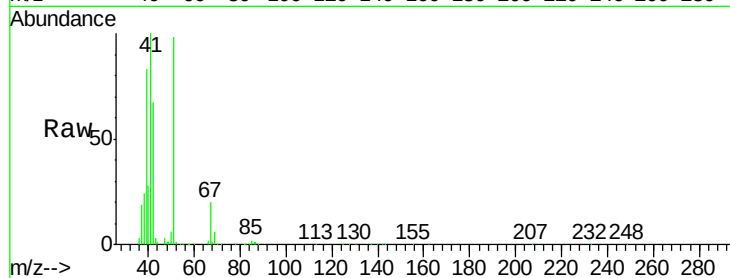
Ion Ratio Lower Upper

41 100

42 68.0 53.8 80.8

Manual Integrations
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#10

Heptane

Concen: 8.668 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.01 min

Lab File: VL037162.D

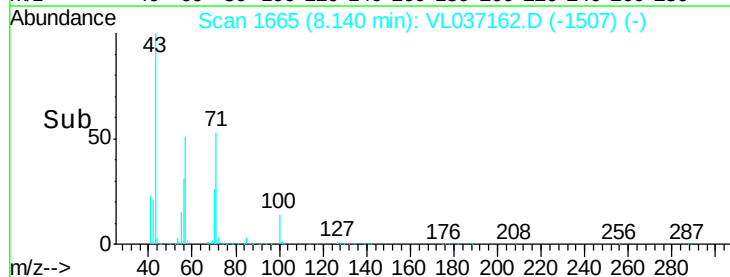
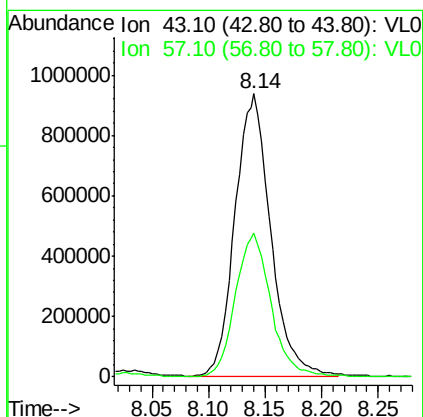
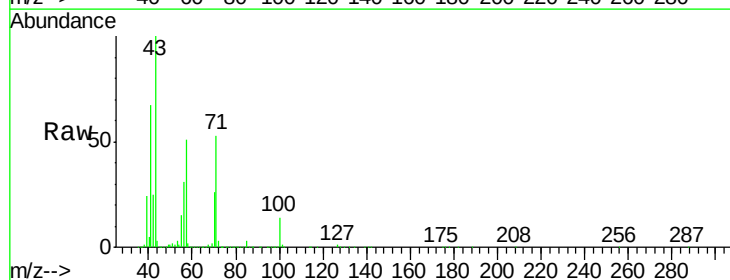
Acq: 15 Jun 2021 20:28

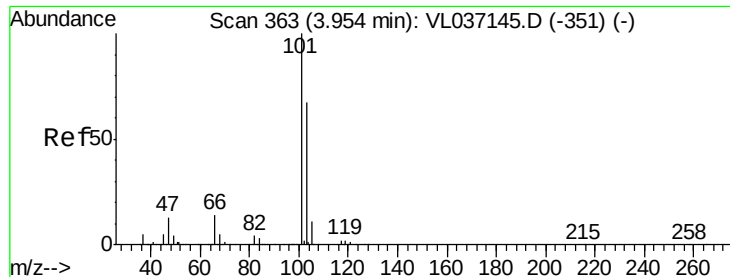
Tgt Ion: 43 Resp: 2044251

Ion Ratio Lower Upper

43 100

57 50.7 40.5 60.7





#11

Trichlorofluoromethane

Concen: 8.308 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL037162.D

Acq: 15 Jun 2021 20:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:101 Resp: 2400039

Ion Ratio Lower Upper

101 100

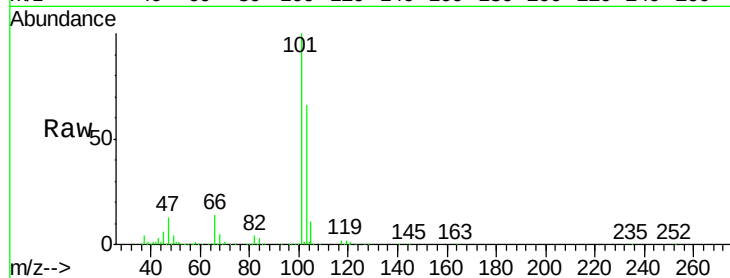
103 65.9 53.6 80.4

Manual Integrations

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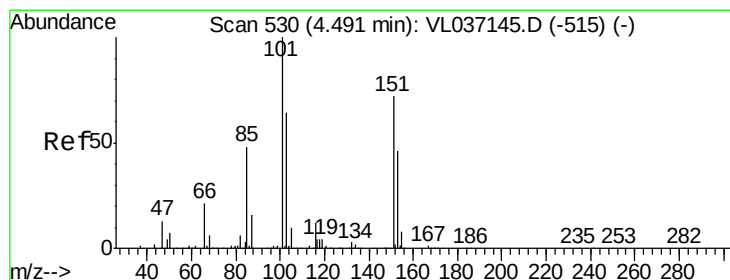
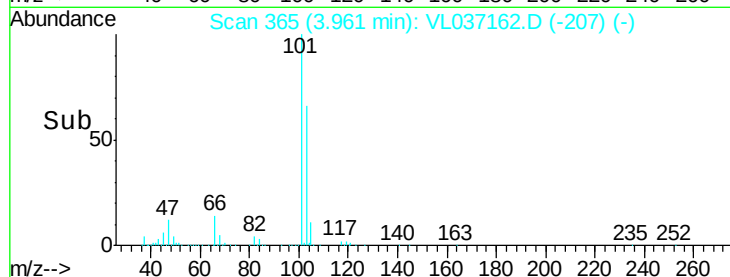
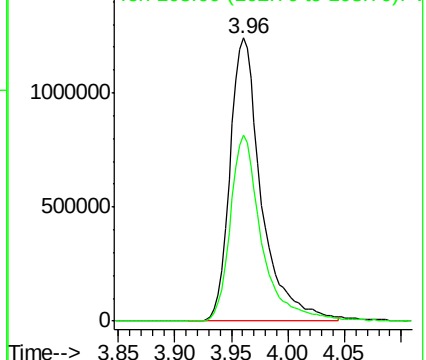
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.532 ppbv

RT: 4.49 min Scan# 531

Delta R.T. 0.00 min

Lab File: VL037162.D

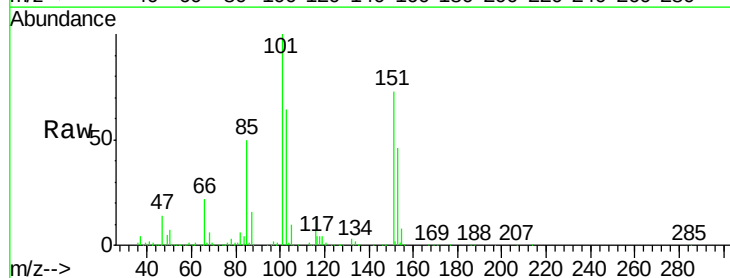
Acq: 15 Jun 2021 20:28

Tgt Ion:101 Resp: 1690905

Ion Ratio Lower Upper

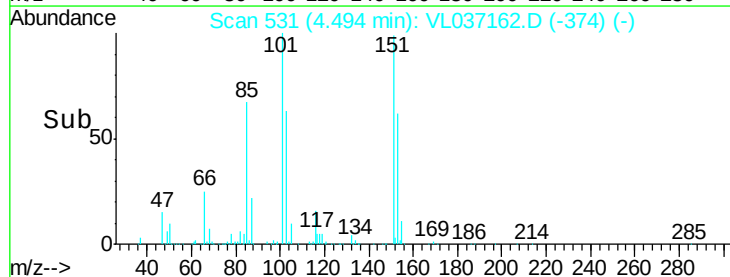
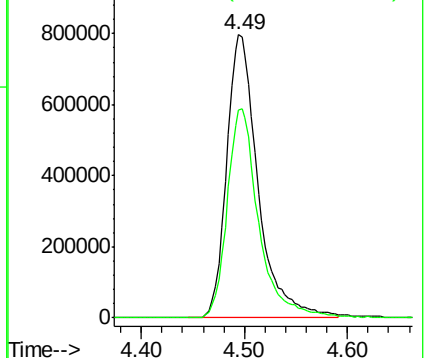
101 100

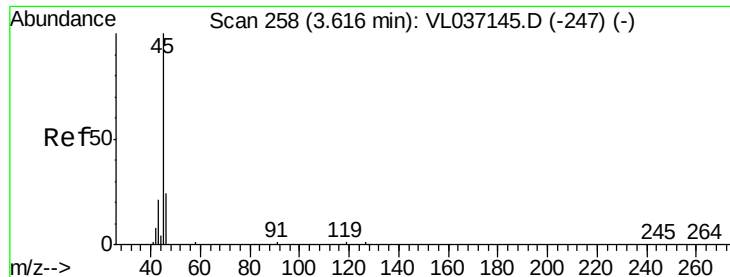
151 74.5 60.5 90.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





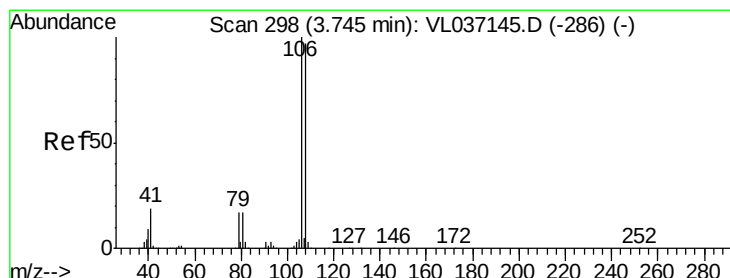
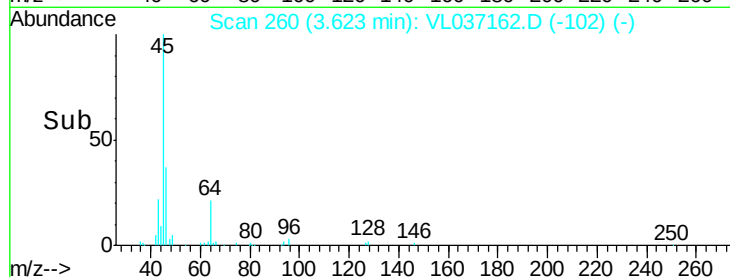
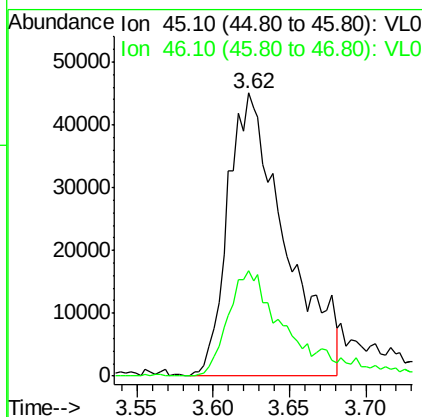
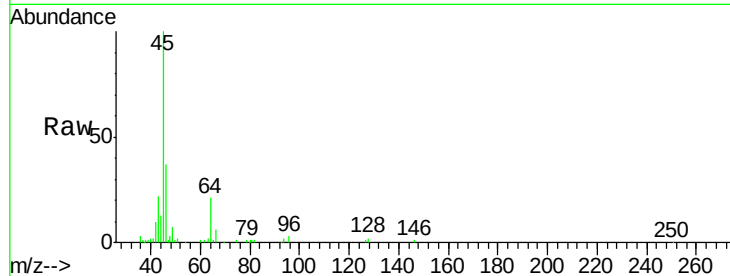
#13
Ethanol
Concen: 8.633 ppbv m
RT: 3.62 min Scan# 260
Delta R.T. 0.01 min
Lab File: VL037162.D
Acq: 15 Jun 2021 20:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	45	Resp	118003
Ion Ratio	100	Lower	Upper
46	41.5	15.4	61.8

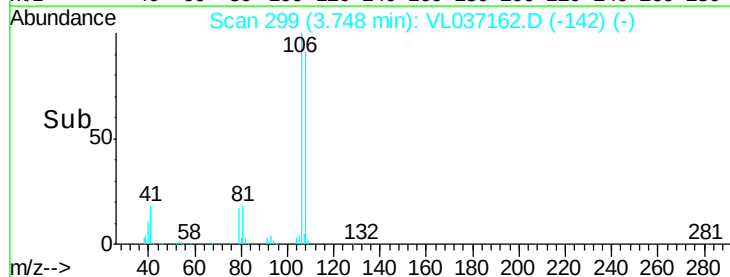
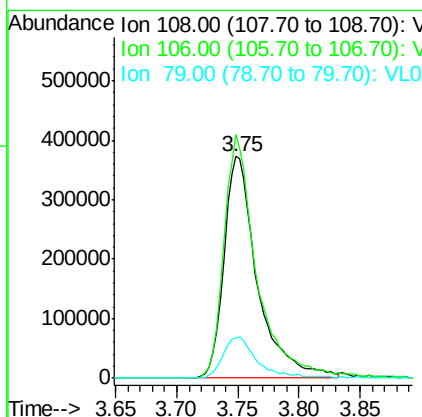
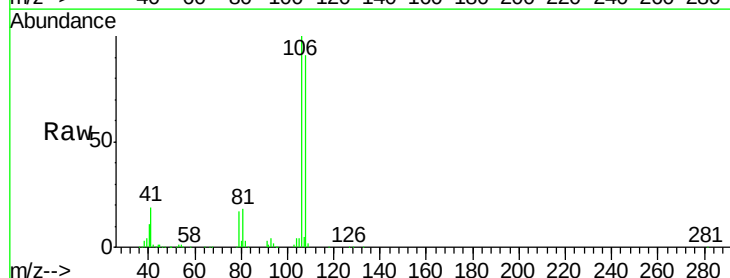
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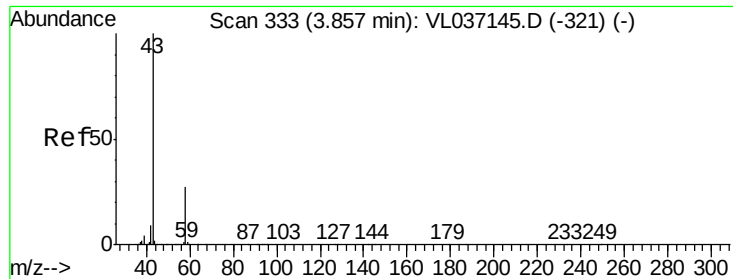
MMDadoda
6/16/2021 5:01:42 PM



#14
Bromoethene
Concen: 8.357 ppbv
RT: 3.75 min Scan# 299
Delta R.T. 0.00 min
Lab File: VL037162.D
Acq: 15 Jun 2021 20:28

Tgt Ion	108	Resp	716698
Ion Ratio	100	Lower	Upper
106	108.8	86.5	129.7
79	19.8	15.4	23.2





#15

Acetone

Concen: 6.201 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.00 min

Lab File: VL037162.D

Acq: 15 Jun 2021 20:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1186368

Ion Ratio Lower Upper

43 100

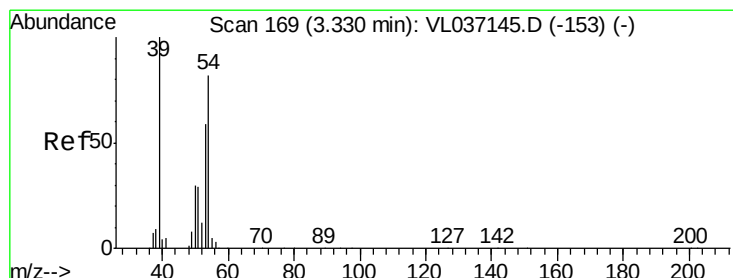
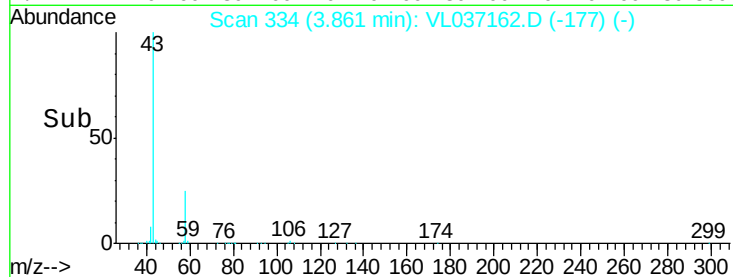
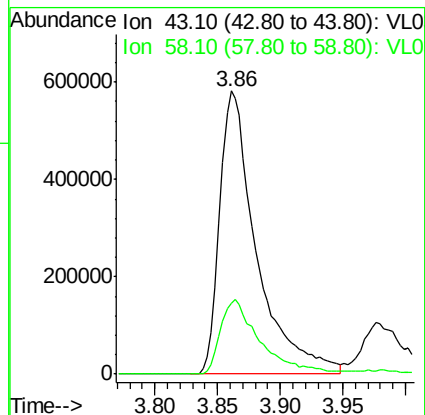
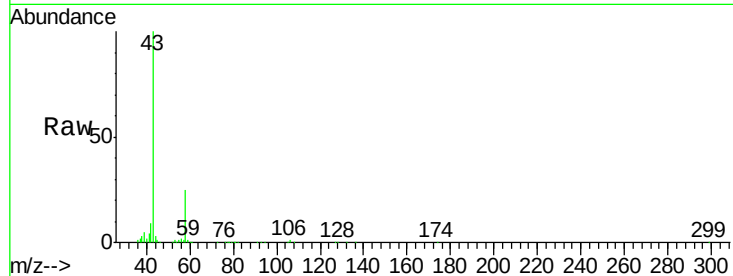
58 28.5 23.0 34.6

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#16

1,3-Butadiene

Concen: 9.531 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.00 min

Lab File: VL037162.D

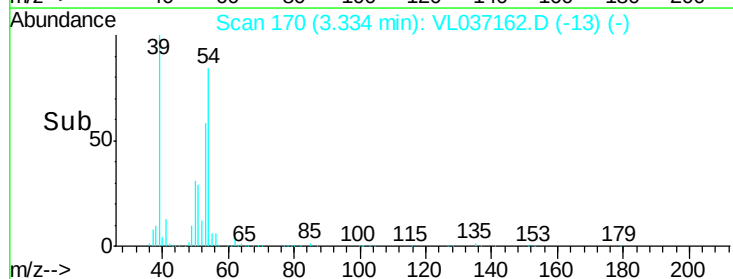
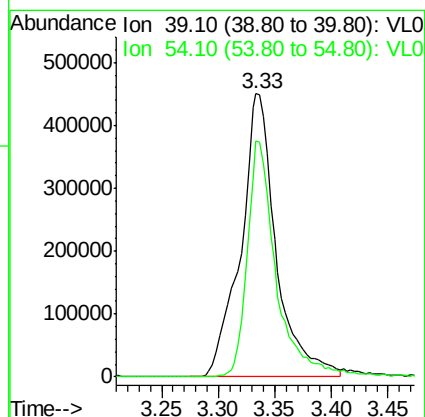
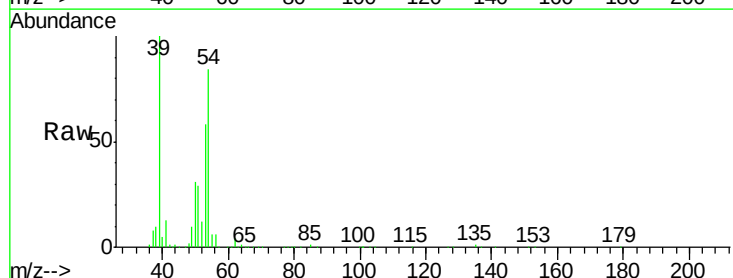
Acq: 15 Jun 2021 20:28

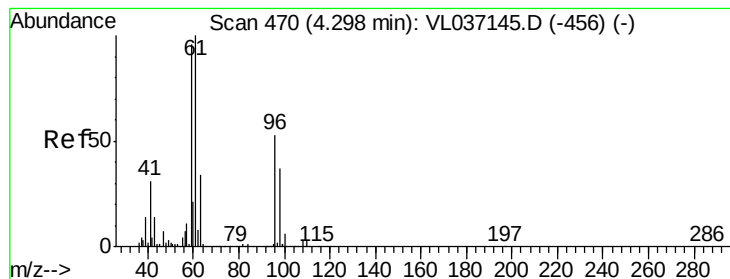
Tgt Ion: 39 Resp: 984452

Ion Ratio Lower Upper

39 100

54 68.6 61.8 92.6





#17

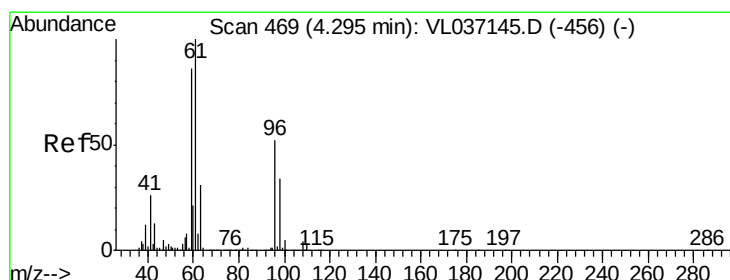
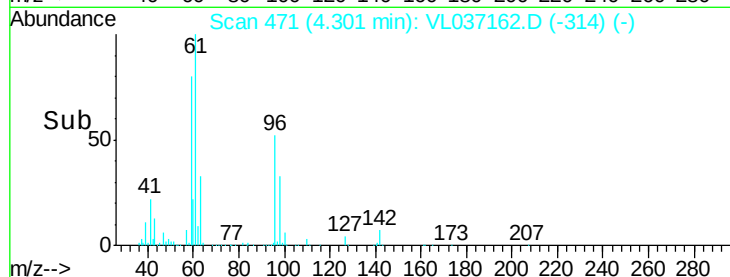
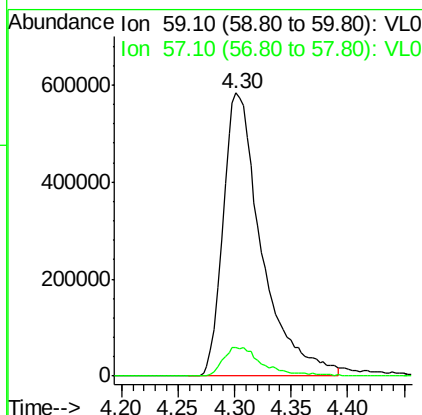
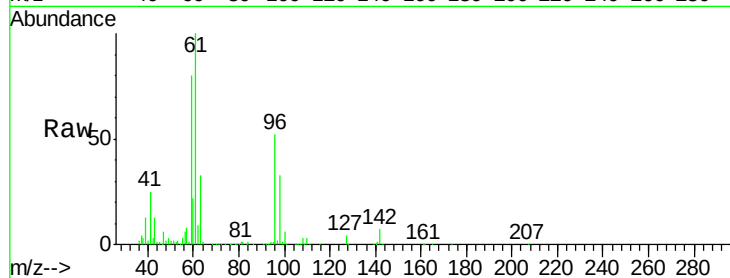
tert-Butyl alcohol
Concen: 8.342 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.00 min
Lab File: VL037162.D
Acq: 15 Jun 2021 20:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1381214
Ion Ratio Lower Upper
59 100
57 10.9 8.8 13.2

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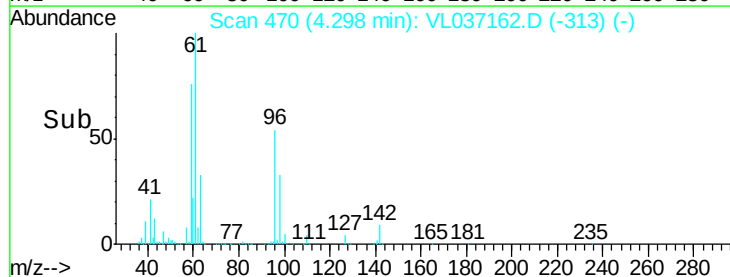
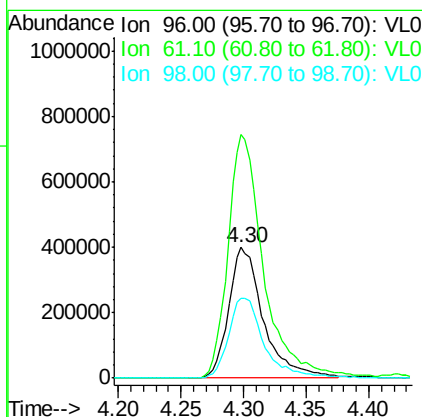
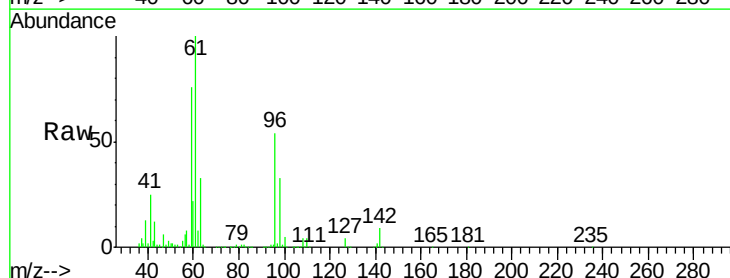
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6/16/2021 5:01:42 PM

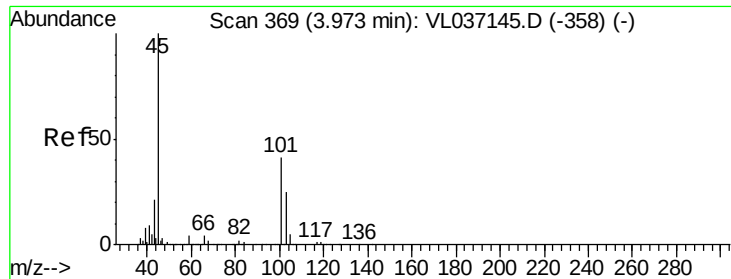


#18

1,1-Dichloroethene
Concen: 8.600 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.00 min
Lab File: VL037162.D
Acq: 15 Jun 2021 20:28

Tgt Ion: 96 Resp: 768900
Ion Ratio Lower Upper
96 100
61 186.5 154.0 231.0
98 61.4 52.3 78.5





#19

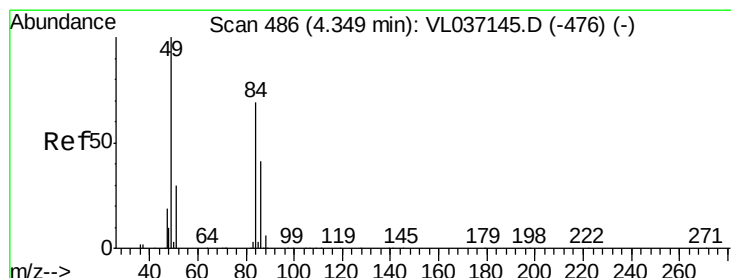
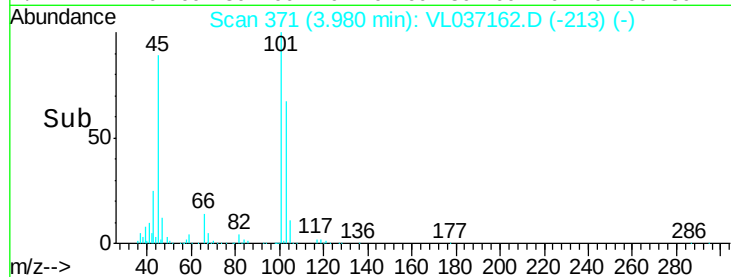
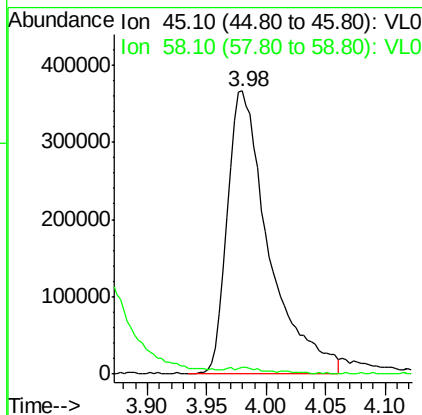
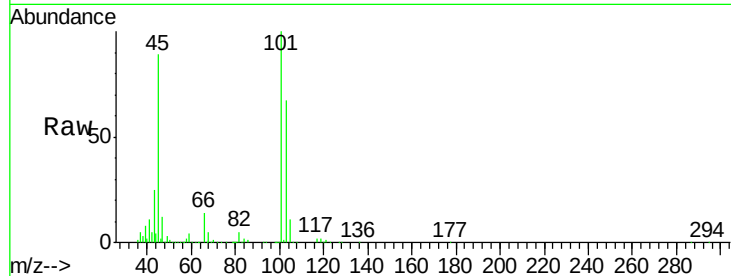
Isopropyl Alcohol
 Concen: 8.422 ppbv
 RT: 3.98 min Scan# 371
 Delta R.T. 0.01 min
 Lab File: VL037162.D
 Acq: 15 Jun 2021 20:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	45	58	Ratio	100	2.6	Resp Lower	884135	Upper	2.2#
45	100								
58		2.6				1.4			2.2#

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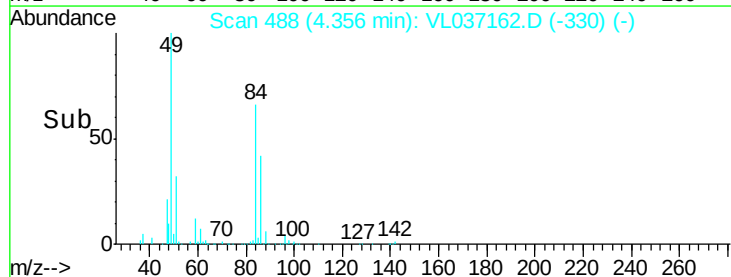
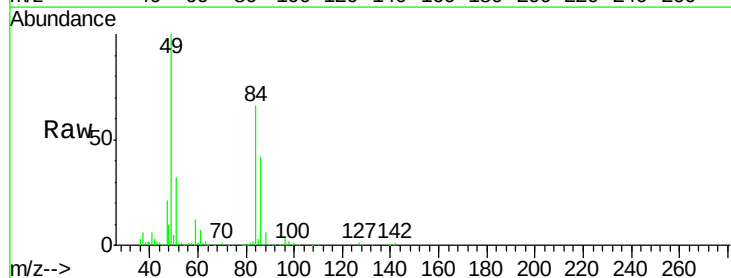
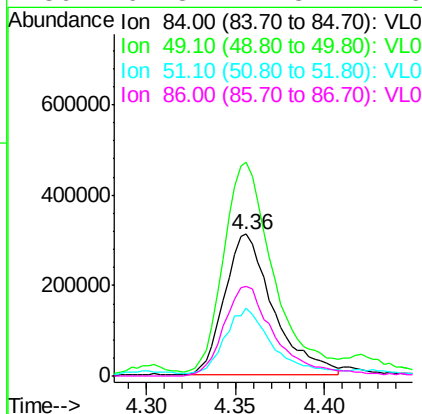
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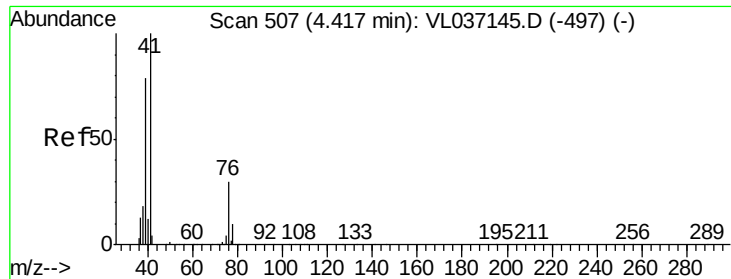


#20

Methylene Chloride
 Concen: 7.091 ppbv
 RT: 4.36 min Scan# 488
 Delta R.T. 0.01 min
 Lab File: VL037162.D
 Acq: 15 Jun 2021 20:28

Tgt Ion	84	49	51	86	Ratio	100	148.6	46.1	62.8	Resp Lower	591190	Upper	172.9	51.4	71.6
84	100														
49		148.6					115.3						172.9		
51		46.1					34.2						51.4		
86		62.8					47.8						71.6		





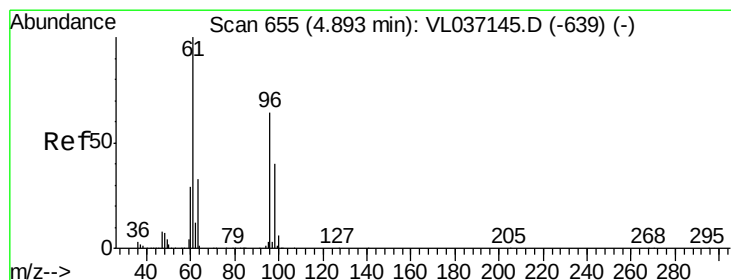
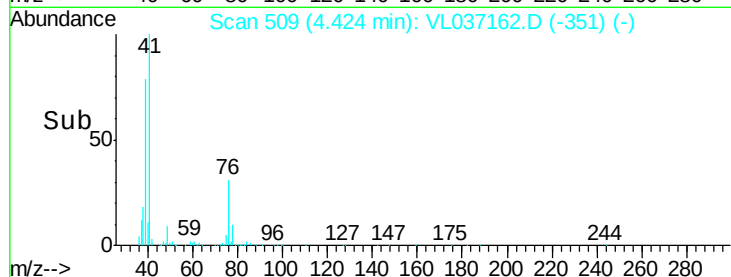
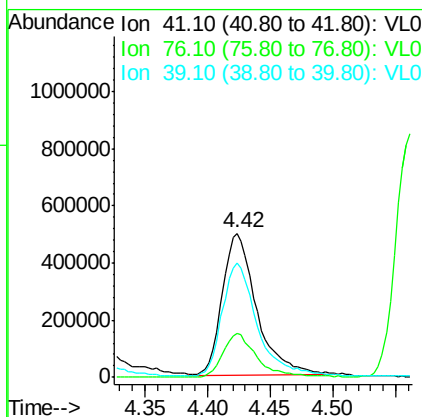
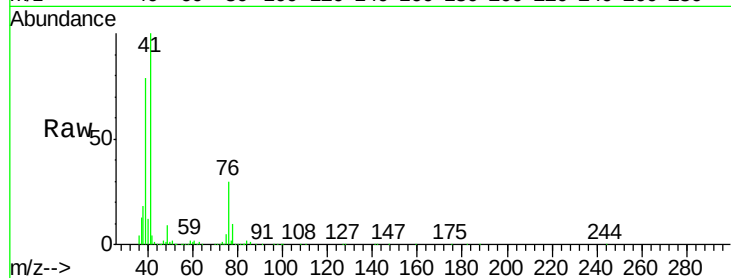
#21
Allvl Chloride
Concen: 7.403 ppbv
RT: 4.42 min Scan# 509
Delta R.T. 0.01 min
Lab File: VL037162.D
Acq: 15 Jun 2021 20:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	31.1	25.2	37.8
39	81.6	66.2	99.2

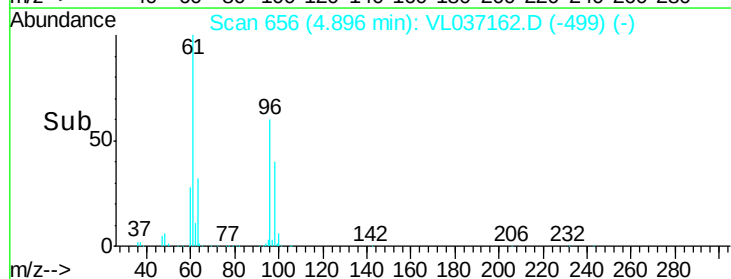
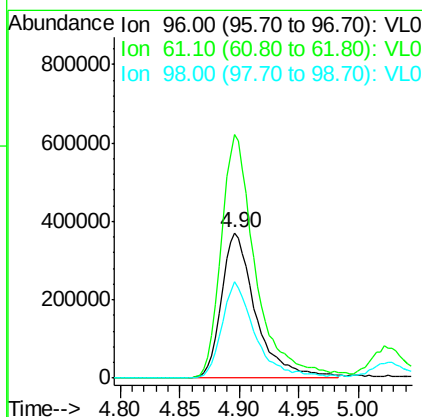
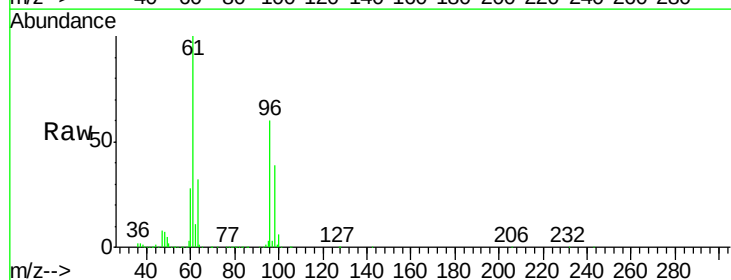
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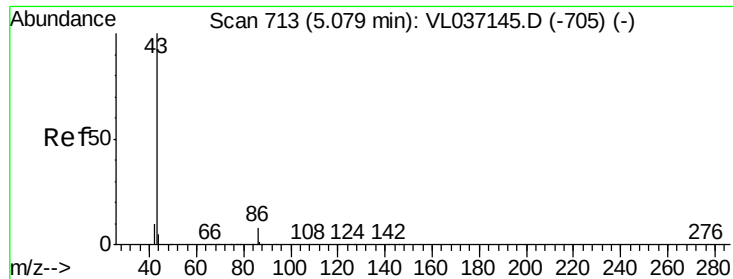
MMDadoda
6/16/2021 5:01:42 PM



#22
trans-1,2-Dichloroethene
Concen: 8.515 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.00 min
Lab File: VL037162.D
Acq: 15 Jun 2021 20:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.5	125.3	187.9
98	66.1	50.3	75.5





#23

Vinyl Acetate

Concen: 8.808 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.01 min

Lab File: VL037162.D

Acq: 15 Jun 2021 20:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2212773

Ion Ratio Lower Upper

43 100

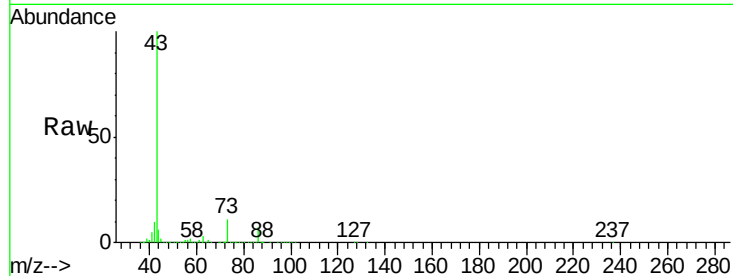
86 7.2 5.4 8.2

42 9.8 8.6 12.8

44 5.0 3.8 5.6

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MMDadoda
6/16/2021 5:01:42 PM

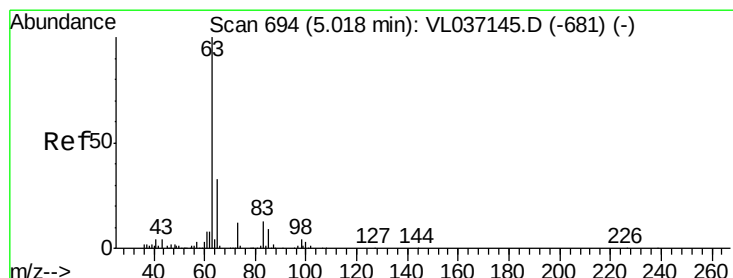
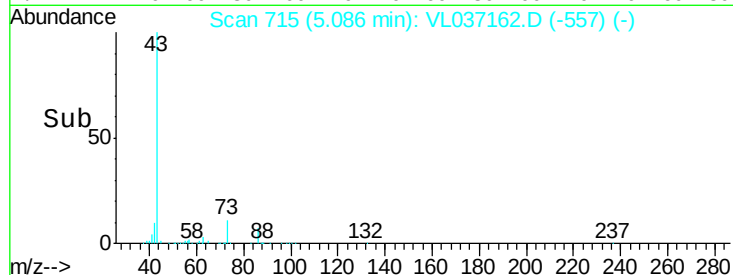
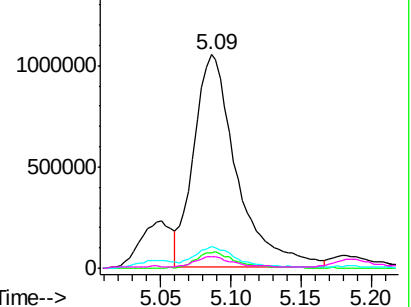


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.803 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.00 min

Lab File: VL037162.D

Acq: 15 Jun 2021 20:28

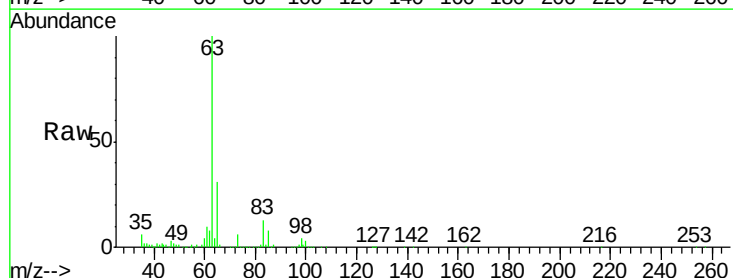
Tgt Ion: 63 Resp: 1774951

Ion Ratio Lower Upper

63 100

98 4.1 2.4 7.1

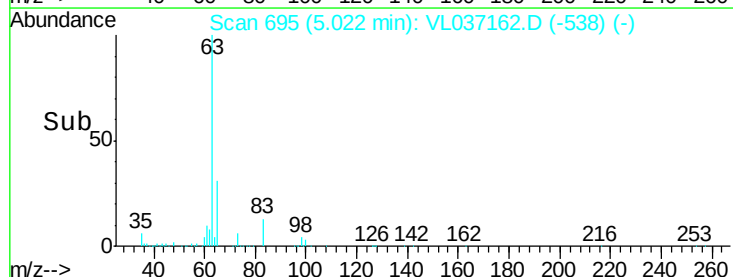
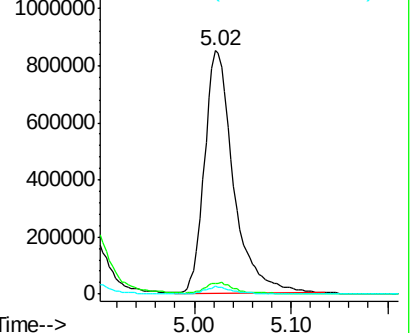
100 3.2 1.6 4.8

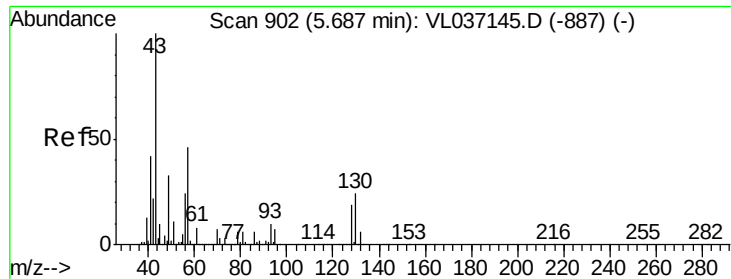


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





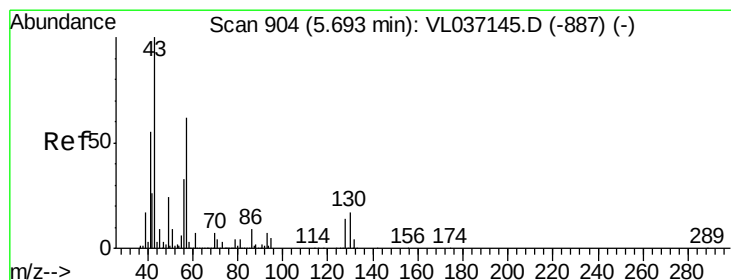
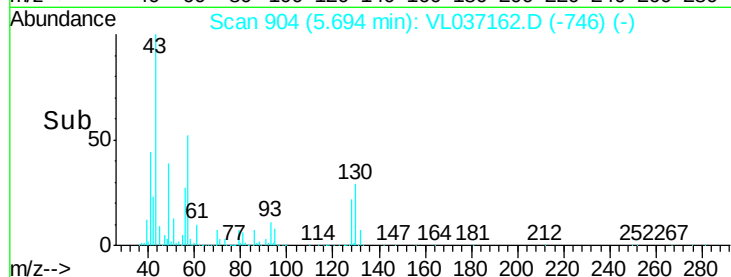
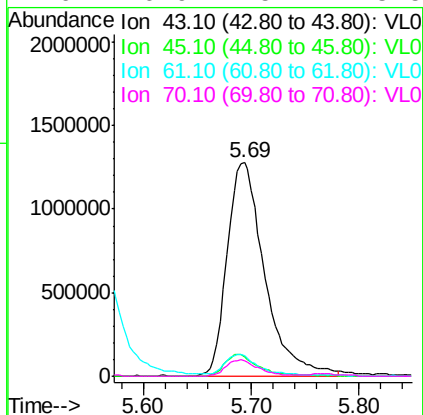
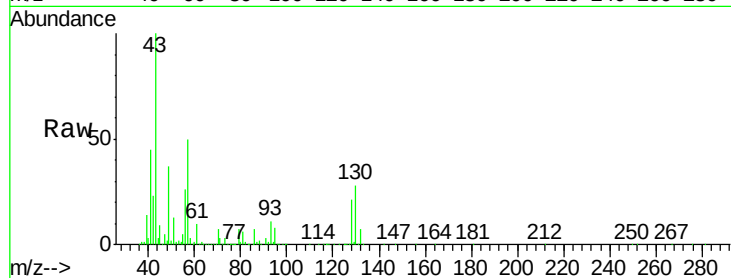
#25
Ethyl Acetate
Concen: 8.232 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL037162.D
Acq: 15 Jun 2021 20:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.7	7.8	11.8	
61	9.8	7.5	11.3	
70	6.9	5.7	8.5	

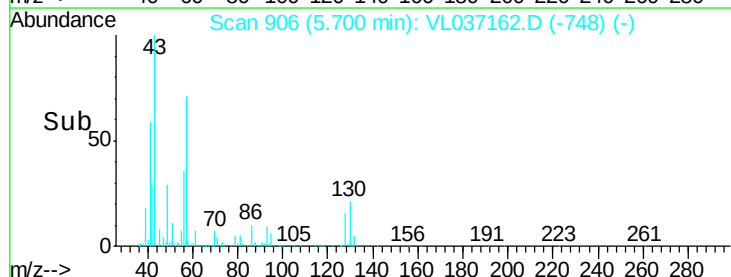
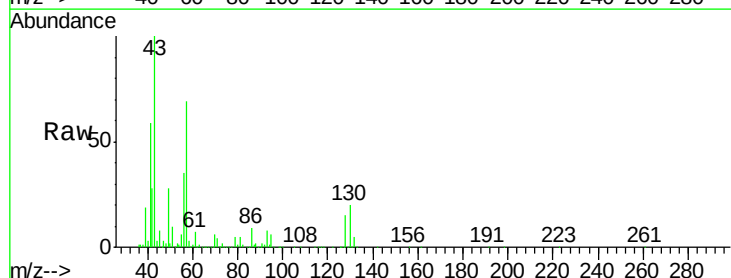
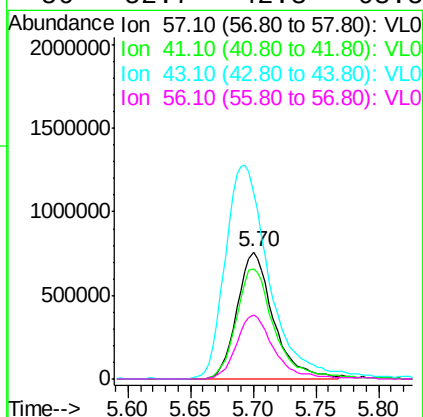
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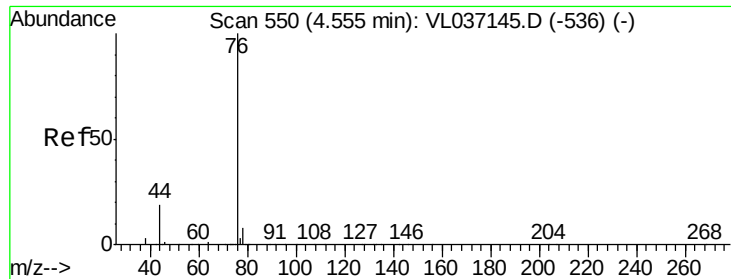
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#26
Hexane
Concen: 8.189 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL037162.D
Acq: 15 Jun 2021 20:28

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	91.8	73.6	110.4	
43	205.5	168.8	253.2	
56	52.7	42.3	63.5	





#27

Carbon Disulfide

Concen: 9.119 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.01 min

Lab File: VL037162.D

Acq: 15 Jun 2021 20:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1723695

Ion Ratio Lower Upper

76 100

44 19.4 15.6 23.4

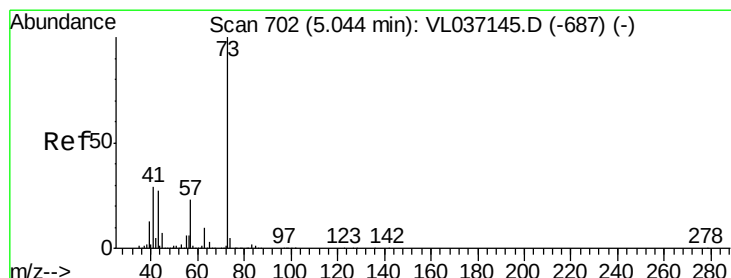
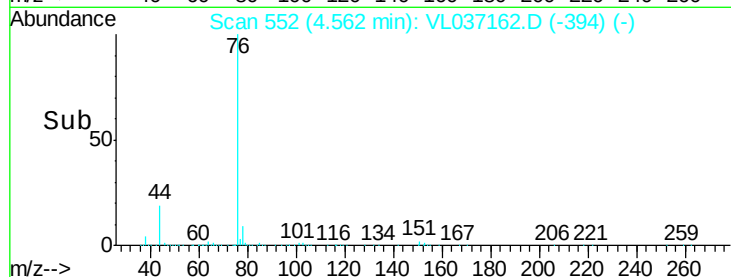
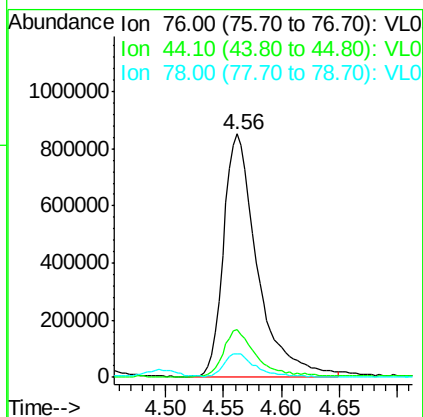
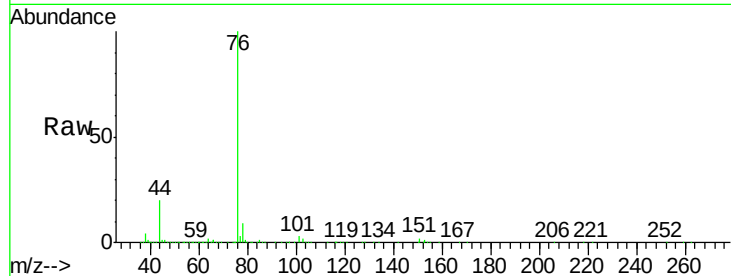
78 9.7 7.6 11.4

Manual Integrations

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6/16/2021 5:01:42 PM



#28

Methyl tert-Butyl Ether

Concen: 8.124 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.00 min

Lab File: VL037162.D

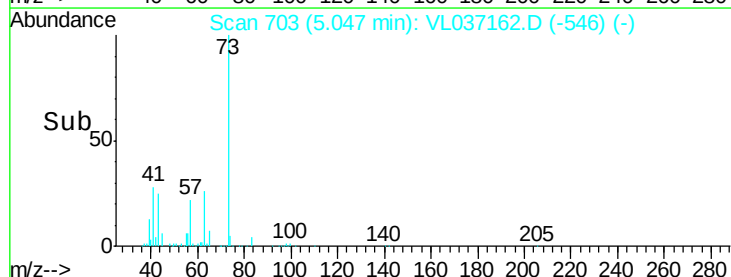
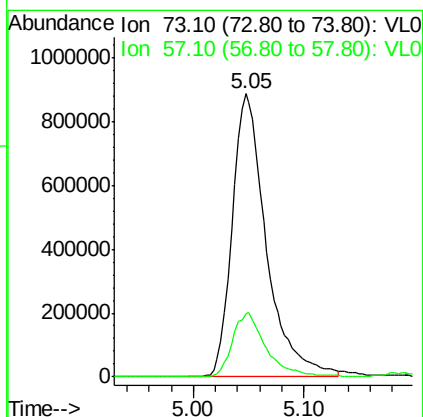
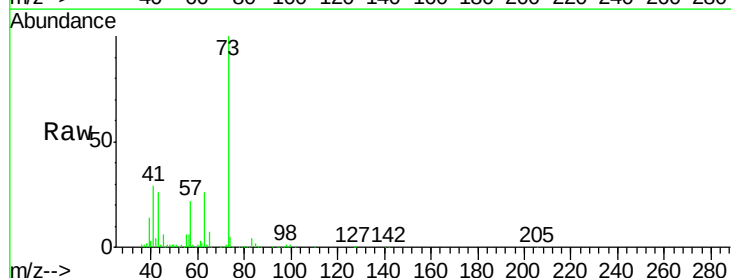
Acq: 15 Jun 2021 20:28

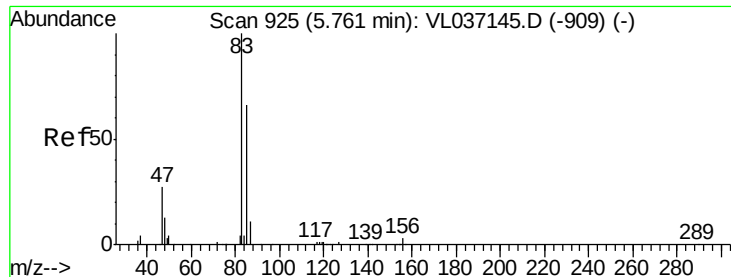
Tgt Ion: 73 Resp: 1896846

Ion Ratio Lower Upper

73 100

57 22.6 18.2 27.4





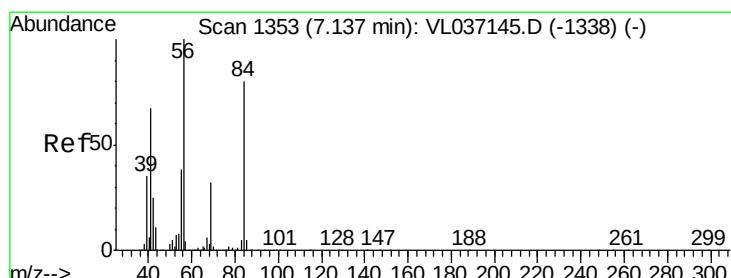
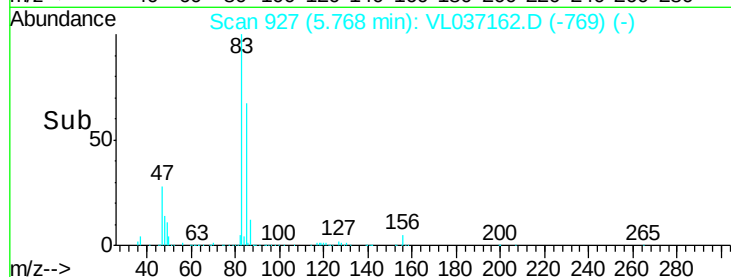
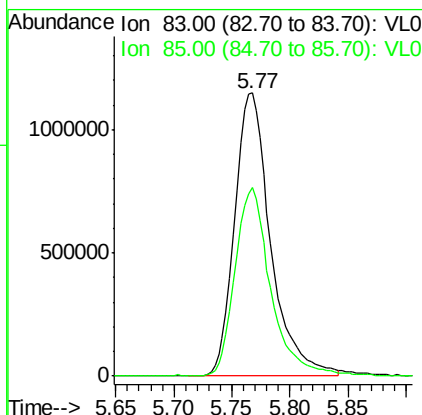
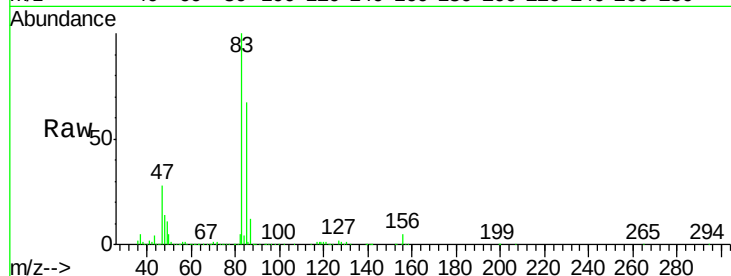
#29
Chloroform
Concen: 8.231 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.01 min
Lab File: VL037162.D
Acq: 15 Jun 2021 20:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2477137
Ion Ratio Lower Upper
83 100
85 66.7 52.6 78.8

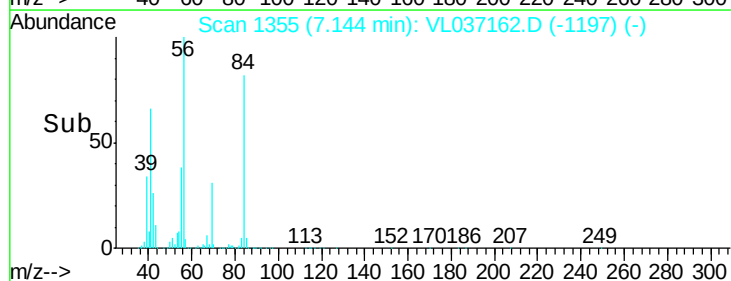
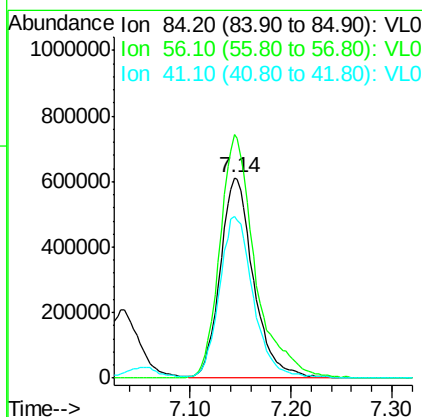
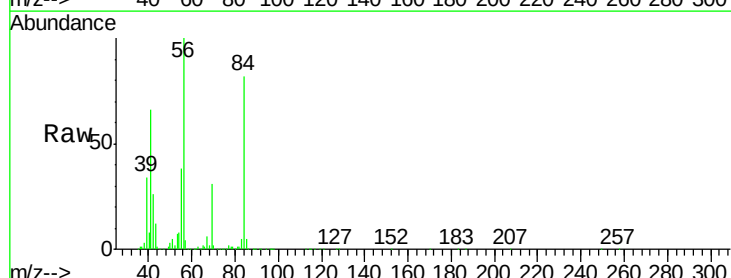
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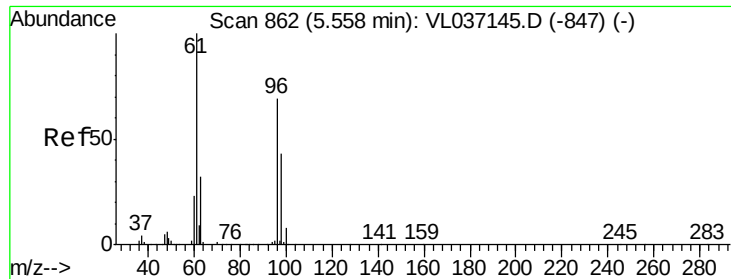
MMDadoda
6/16/2021 5:01:42 PM



#30
Cyclohexane
Concen: 8.587 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.01 min
Lab File: VL037162.D
Acq: 15 Jun 2021 20:28

Tgt Ion: 84 Resp: 1395697
Ion Ratio Lower Upper
84 100
56 130.3 103.9 155.9
41 83.0 66.5 99.7





#31

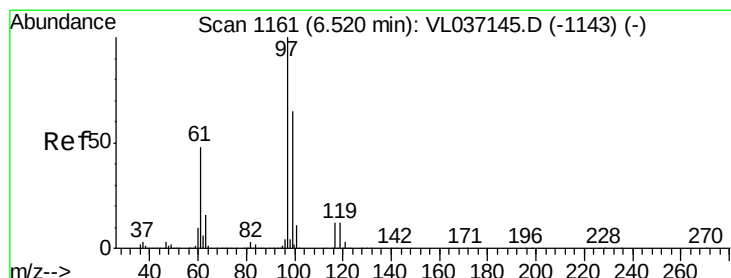
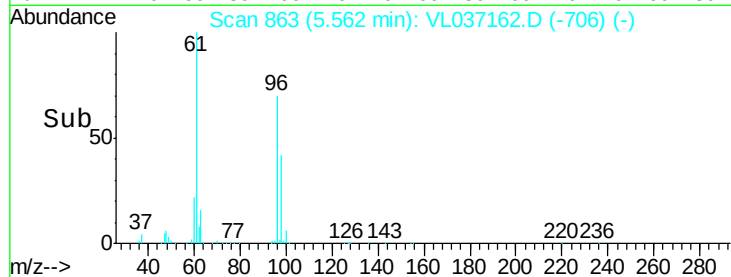
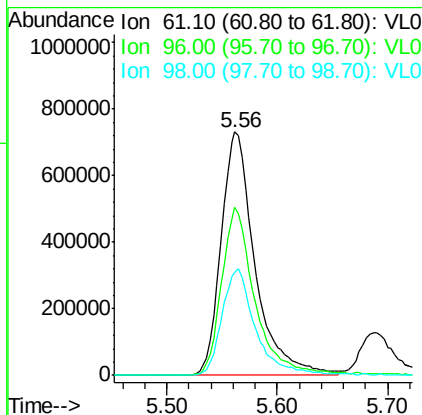
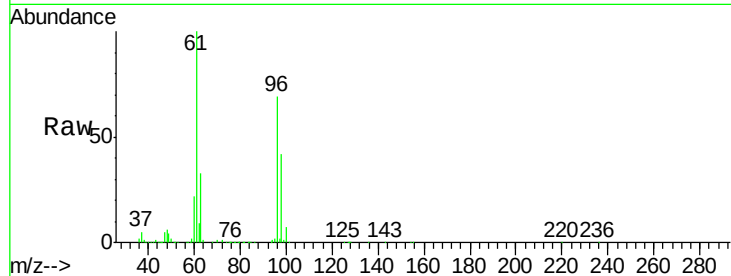
cis-1,2-Dichloroethene
 Concen: 8.653 ppbv
 RT: 5.56 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VL037162.D
 Acq: 15 Jun 2021 20:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	69.1	55.3	82.9
98	42.1	34.7	52.1

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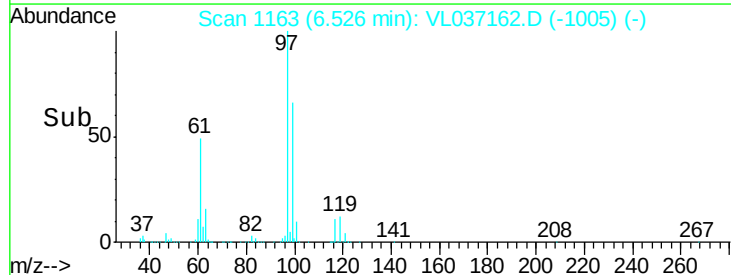
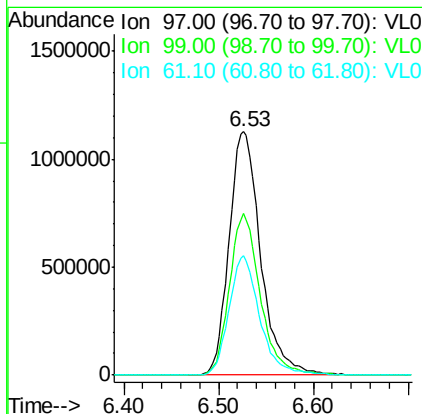
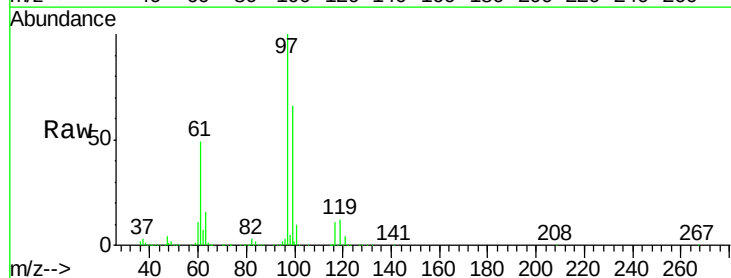
MMDadoda
 6/16/2021 5:01:42 PM

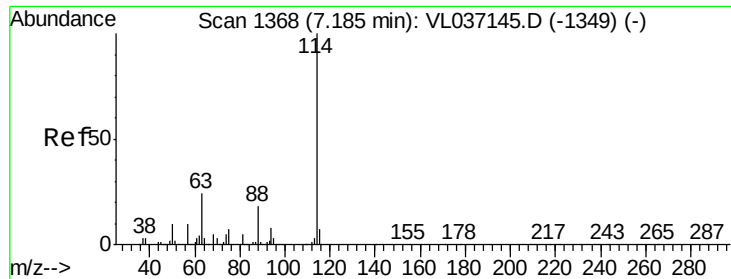


#32

1,1,1-Trichloroethane
 Concen: 9.477 ppbv
 RT: 6.53 min Scan# 1163
 Delta R.T. 0.01 min
 Lab File: VL037162.D
 Acq: 15 Jun 2021 20:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.4	78.6
61	47.9	38.5	57.7





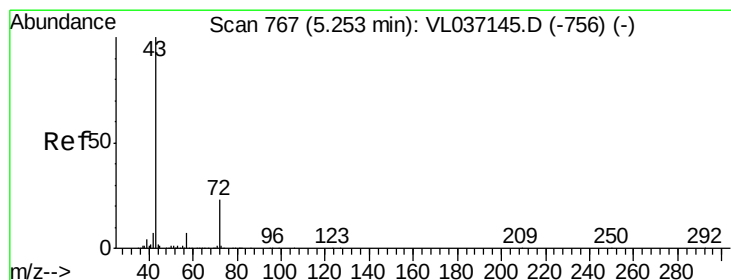
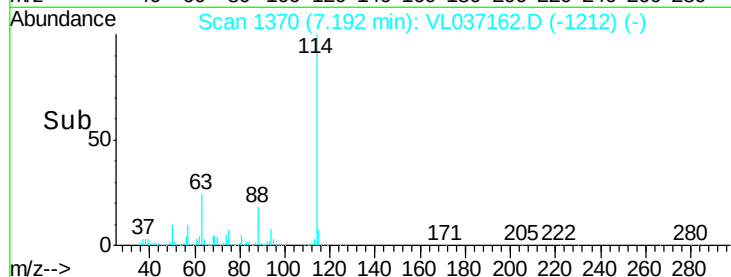
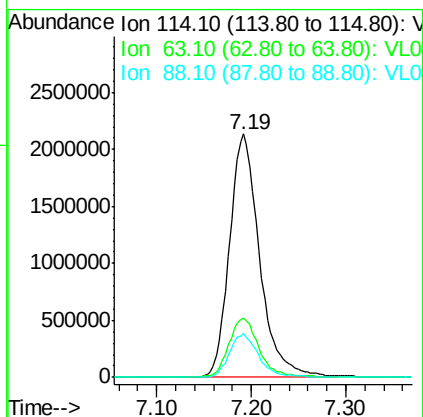
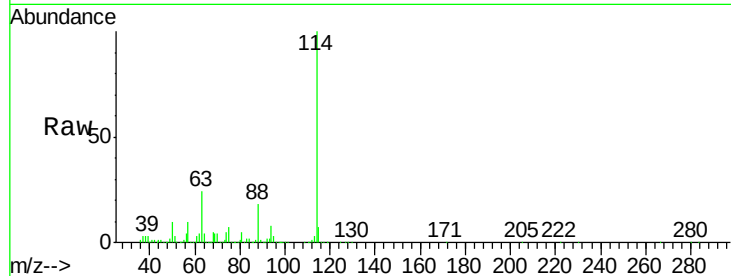
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.01 min
 Lab File: VL037162.D
 Acq: 15 Jun 2021 20:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 4718208
 Ion Ratio Lower Upper
 114 100
 63 24.9 19.8 29.6
 88 17.7 14.3 21.5

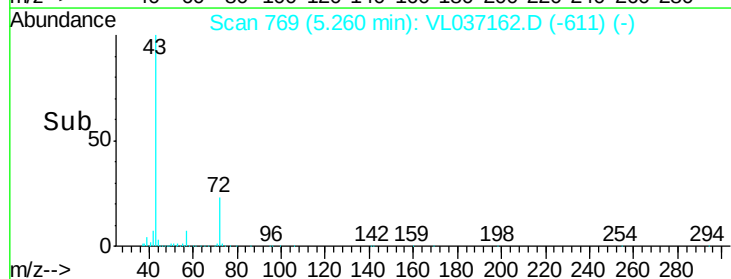
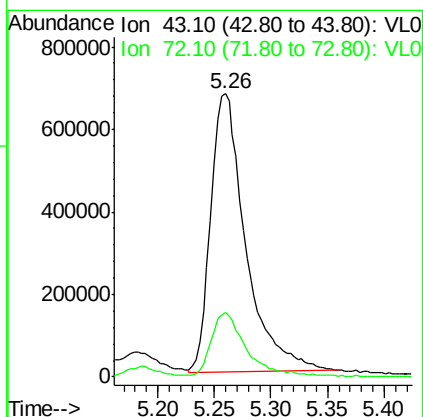
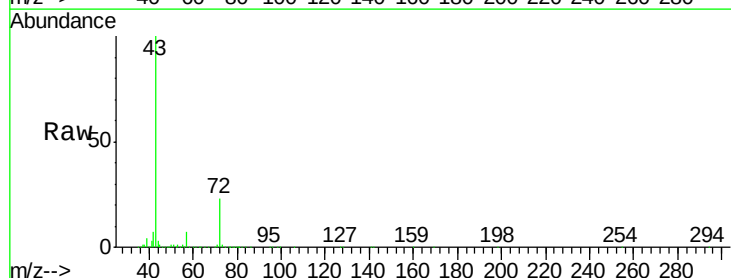
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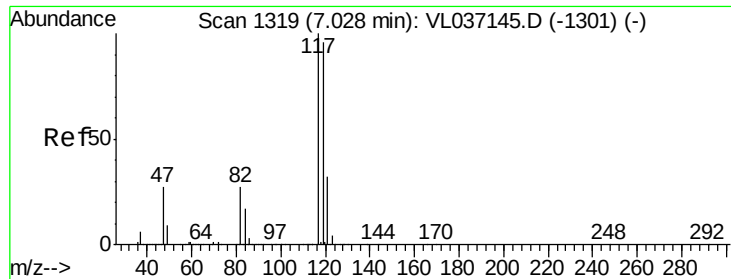
MMDadoda
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#34
 2-Butanone
 Concen: 8.188 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VL037162.D
 Acq: 15 Jun 2021 20:28

Tgt Ion: 43 Resp: 1450977
 Ion Ratio Lower Upper
 43 100
 72 23.7 18.6 28.0





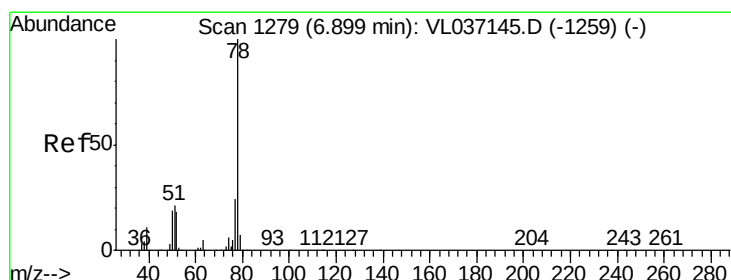
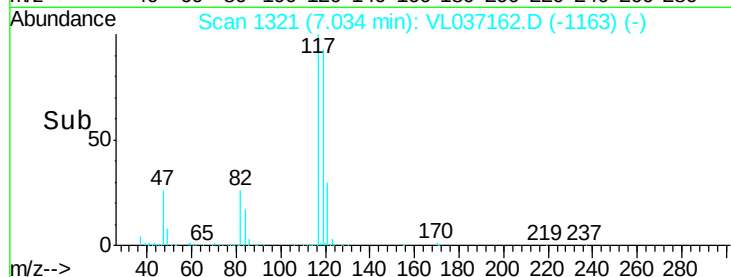
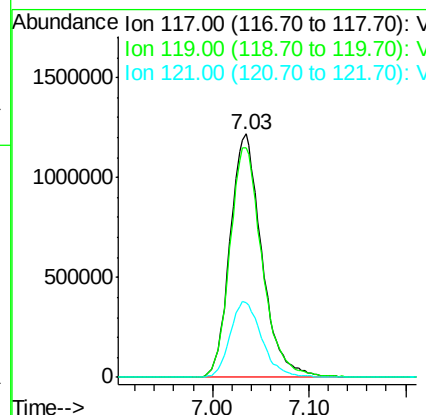
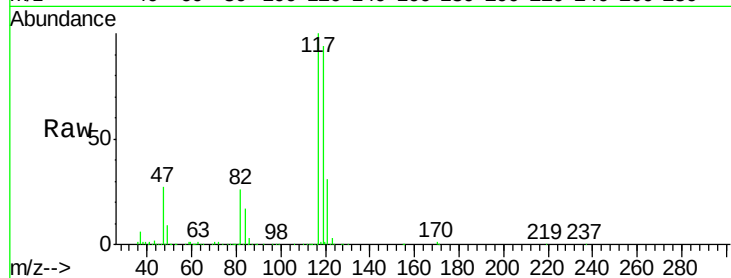
#35
Carbon Tetrachloride
Concen: 9.541 ppbv
RT: 7.03 min Scan# 1321
Delta R.T. 0.01 min
Lab File: VL037162.D
Acq: 15 Jun 2021 20:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.3	77.0	115.4
121	30.6	25.4	38.0

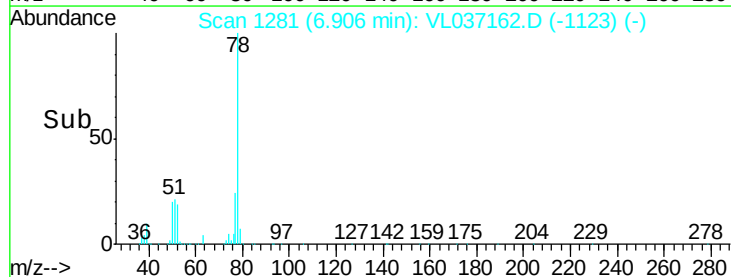
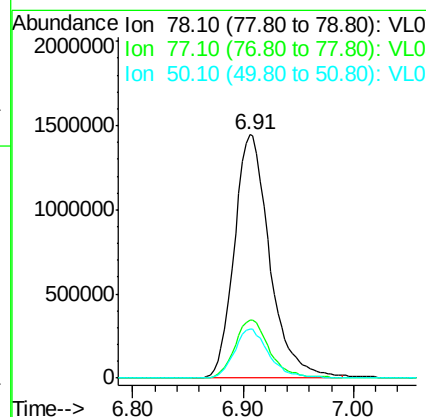
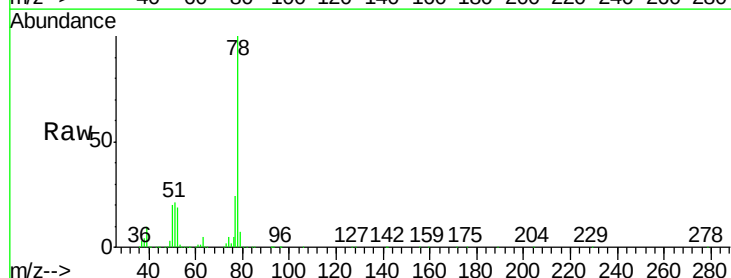
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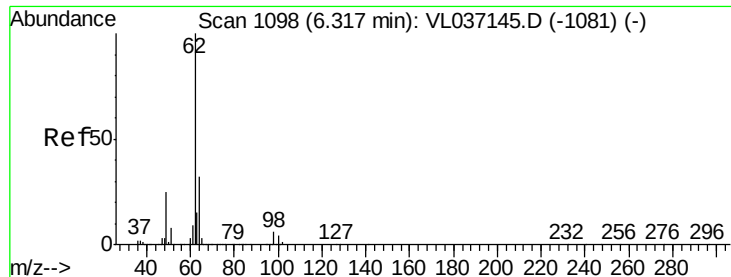
MMDadoda
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#36
Benzene
Concen: 8.603 ppbv
RT: 6.91 min Scan# 1281
Delta R.T. 0.01 min
Lab File: VL037162.D
Acq: 15 Jun 2021 20:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.5	29.3
50	20.1	15.5	23.3





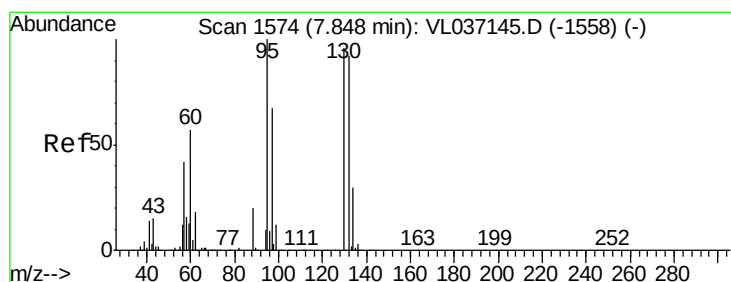
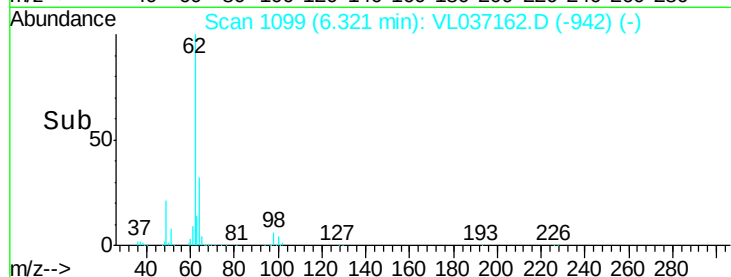
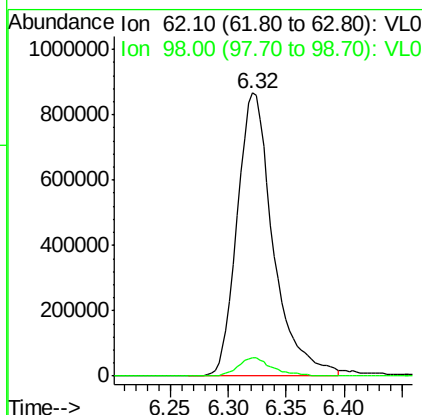
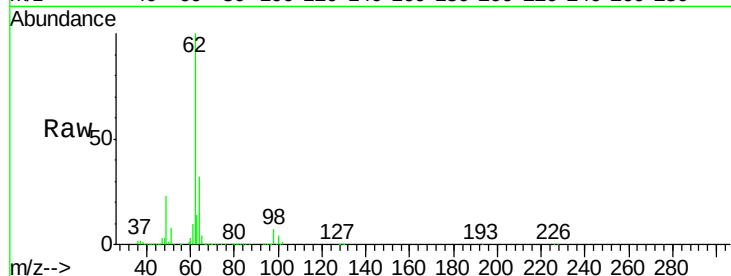
#37
 1,2-Dichloroethane
 Concen: 8.607 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. 0.00 min
 Lab File: VL037162.D
 Acq: 15 Jun 2021 20:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1871111
 Ion Ratio Lower Upper
 62 100
 98 6.6 5.1 7.7

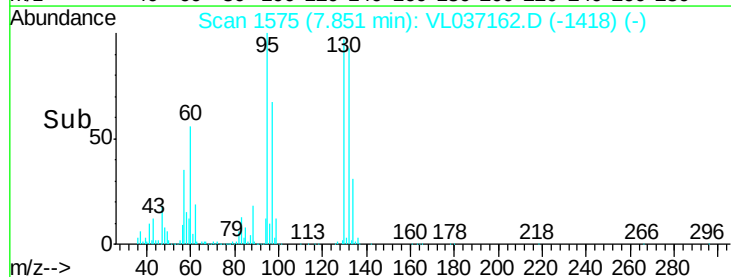
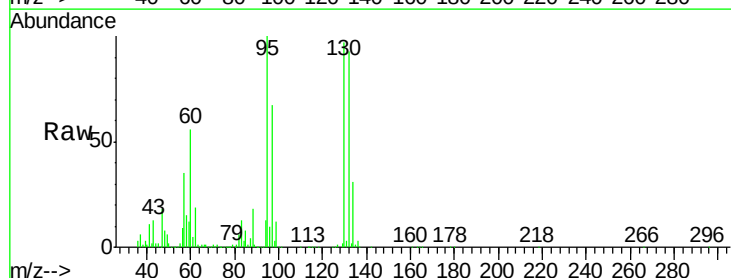
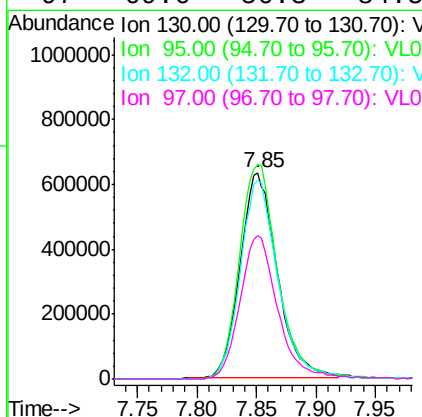
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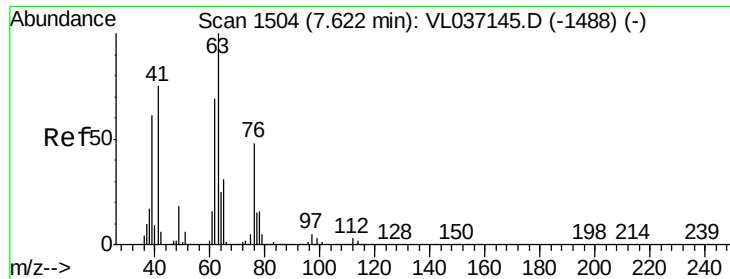
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#38
 Trichloroethene
 Concen: 8.497 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VL037162.D
 Acq: 15 Jun 2021 20:28

Tgt Ion: 130 Resp: 1374747
 Ion Ratio Lower Upper
 130 100
 95 103.7 83.5 125.3
 132 96.5 76.8 115.2
 97 69.6 56.3 84.5





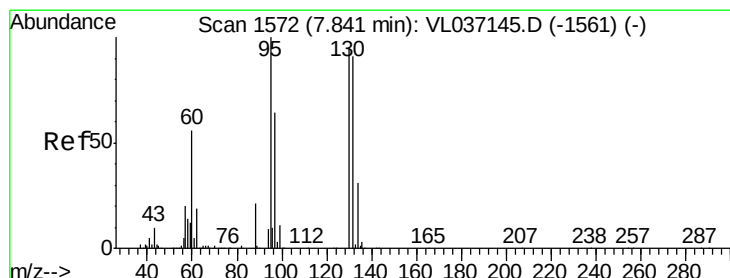
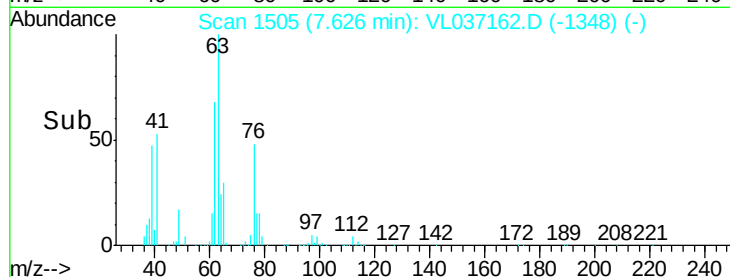
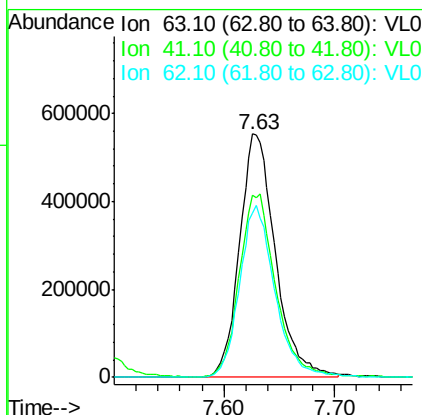
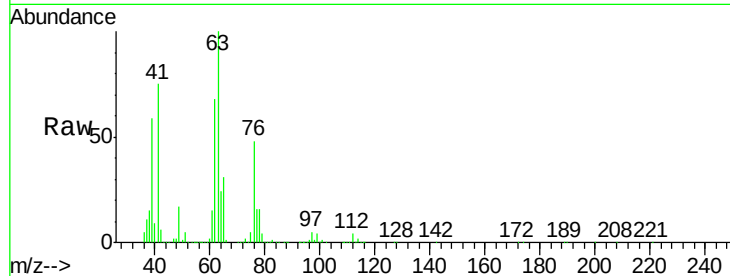
#39
 1,2-Dichloropropane
 Concen: 8.682 ppbv
 RT: 7.63 min Scan# 1505
 Delta R.T. 0.00 min
 Lab File: VL037162.D
 Acq: 15 Jun 2021 20:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	74.4	60.0	90.0
62	67.6	55.4	83.0

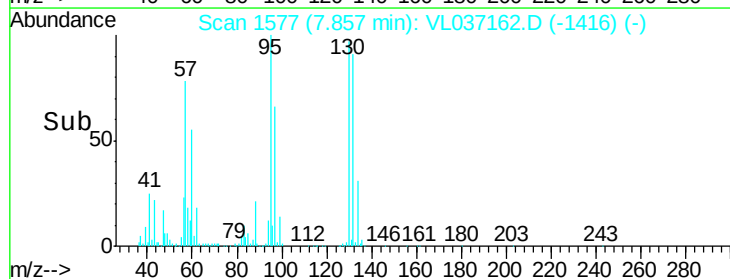
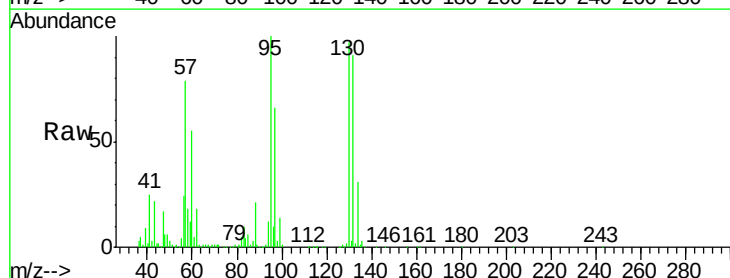
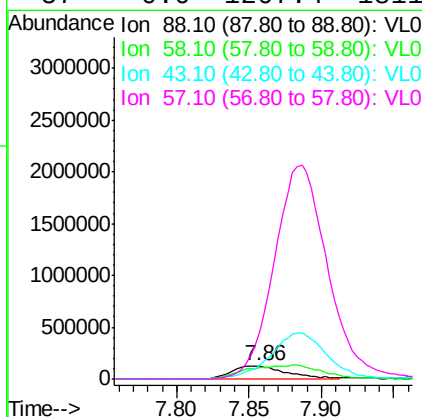
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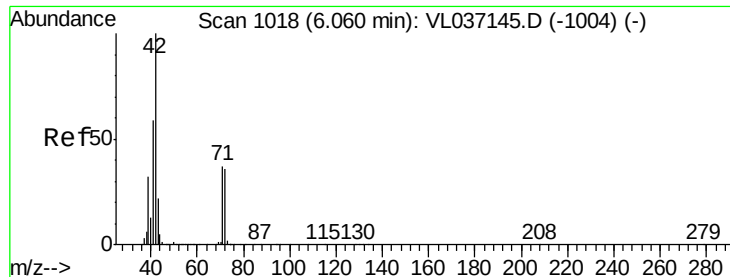
MMDadoda
 6/16/2021 5:01:42 PM



#40
 1,4-Dioxane
 Concen: 8.426 ppbv m
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.02 min
 Lab File: VL037162.D
 Acq: 15 Jun 2021 20:28

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	115.6	173.4#
43	0.0	278.3	417.5#
57	0.0	1207.4	1811.0#





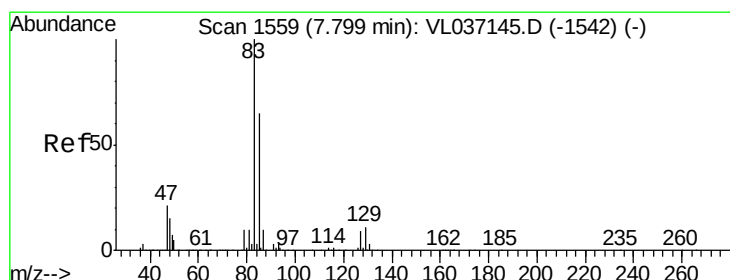
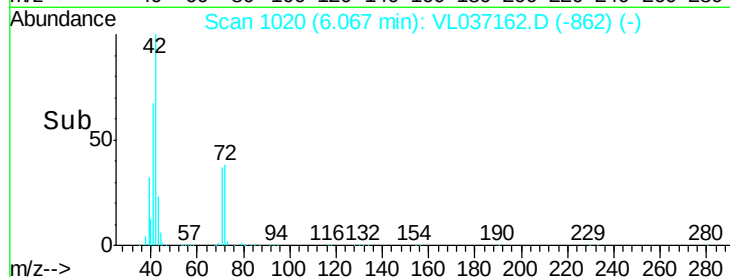
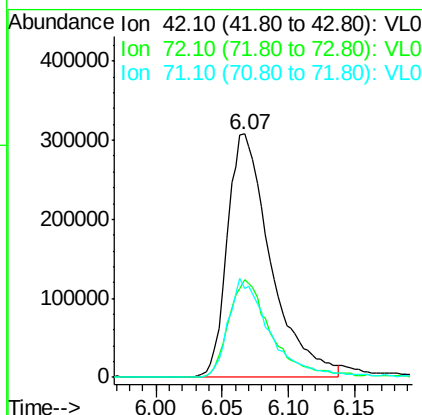
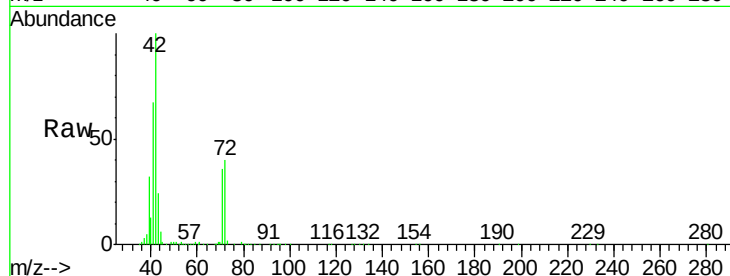
#41
Tetrahydrofuran
Concen: 8.115 ppbv
RT: 6.07 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VL037162.D
Acq: 15 Jun 2021 20:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	31.7	47.5
71	40.0	31.0	46.6

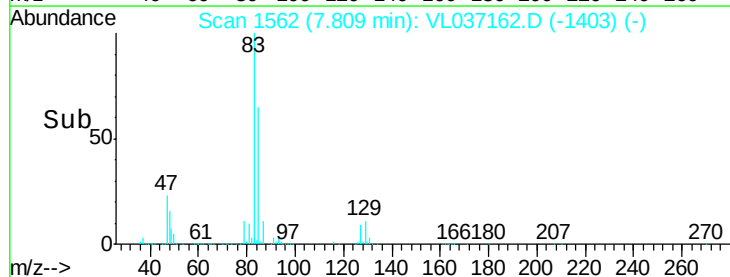
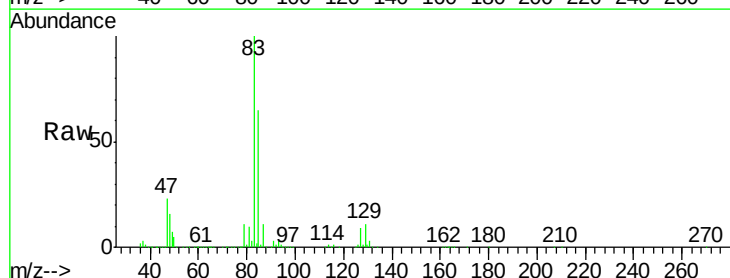
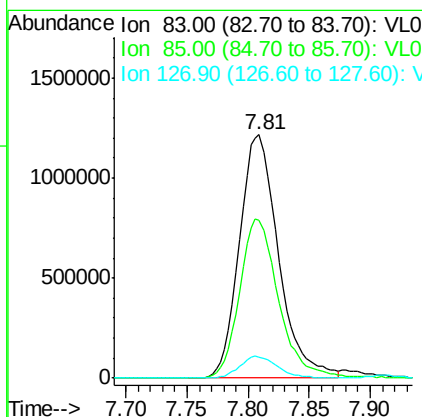
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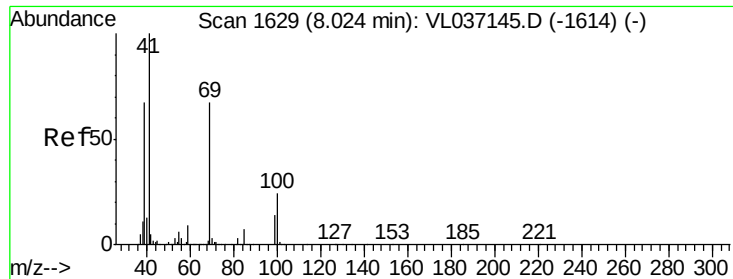
MMDadoda
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#42
Bromodichloromethane
Concen: 9.012 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VL037162.D
Acq: 15 Jun 2021 20:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.7	77.5
127	8.7	7.4	11.0





#43

Methyl Methacrylate

Concen: 9.582 ppbv

RT: 8.03 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VL037162.D

Acq: 15 Jun 2021 20:28

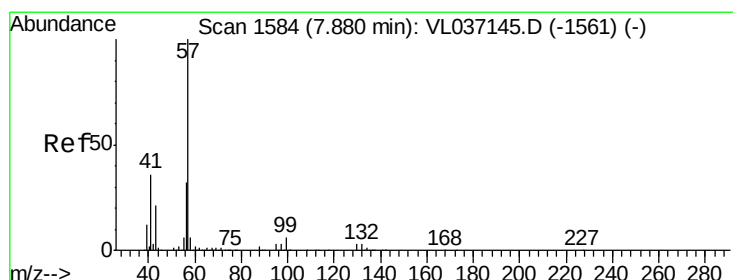
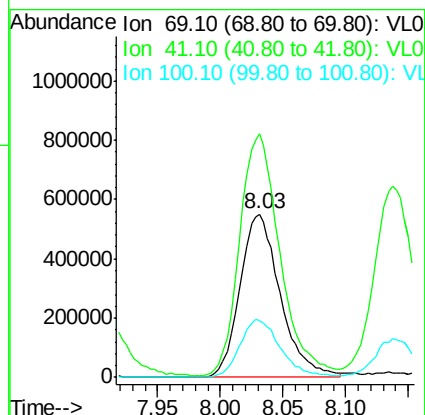
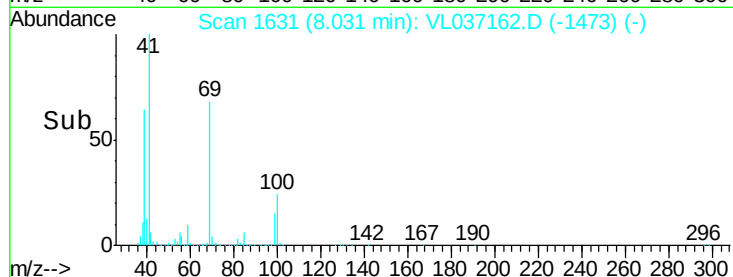
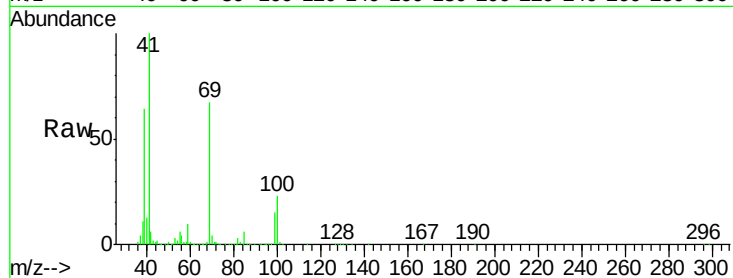
Instrument :
MSVOA_L

ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
69	100		
41	149.1	117.7	176.5
100	35.8	27.9	41.9

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 8.527 ppbv

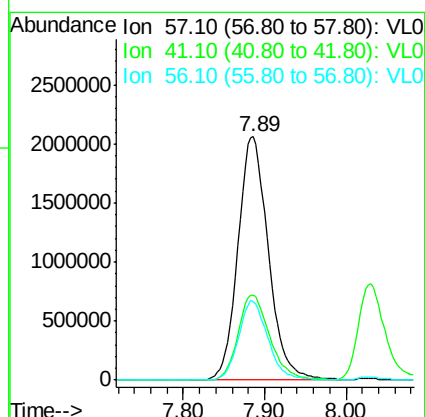
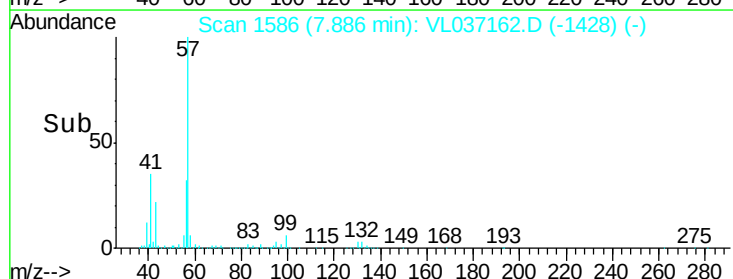
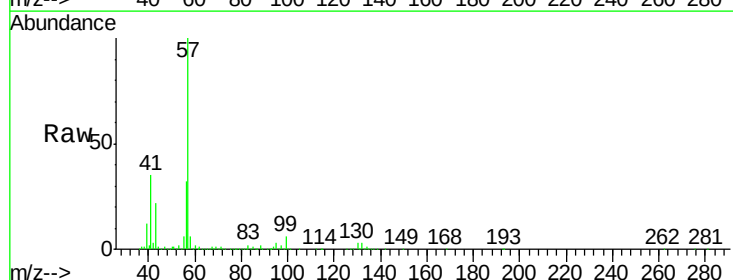
RT: 7.89 min Scan# 1586

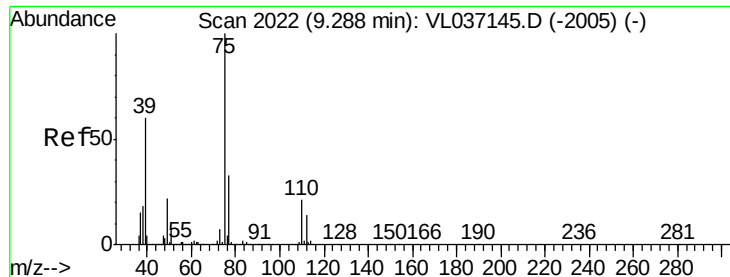
Delta R.T. 0.01 min

Lab File: VL037162.D

Acq: 15 Jun 2021 20:28

Tgt Ion	Ratio	Lower	Upper
57	100		
41	36.3	28.1	42.1
56	31.3	25.4	38.2





#45

t-1,3-Dichloropropene

Concen: 5.262 ppbv

RT: 9.29 min Scan# 2024

Delta R.T. 0.01 min

Lab File: VL037162.D

Acq: 15 Jun 2021 20:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 609017

Ion Ratio Lower Upper

75 100

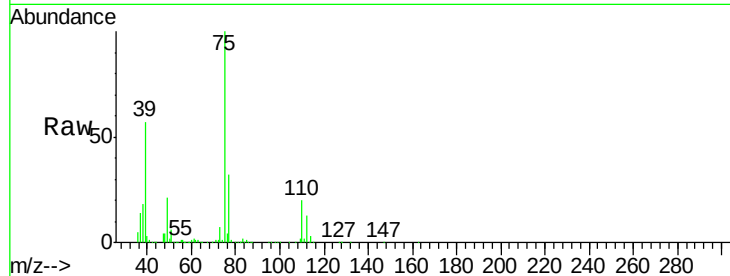
77 32.3 26.2 39.2

Manual Integrations

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.29

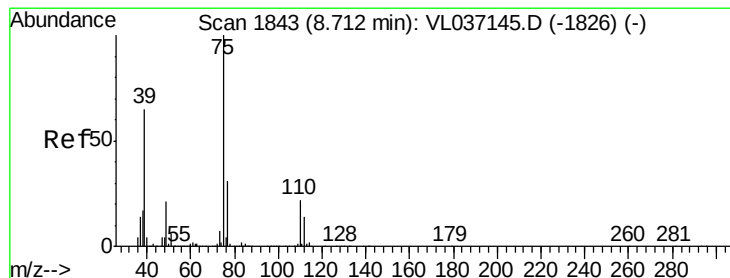
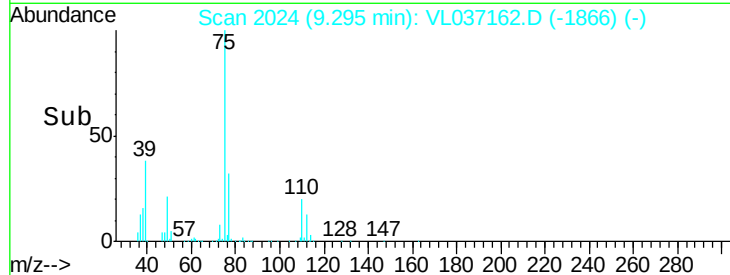
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 5.696 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VL037162.D

Acq: 15 Jun 2021 20:28

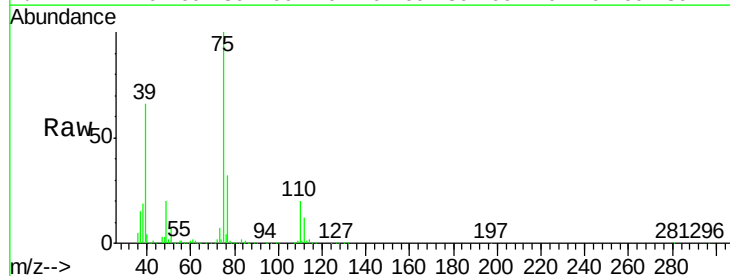
Tgt Ion: 75 Resp: 879616

Ion Ratio Lower Upper

75 100

39 65.6 52.2 78.4

77 32.4 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.72

500000

400000

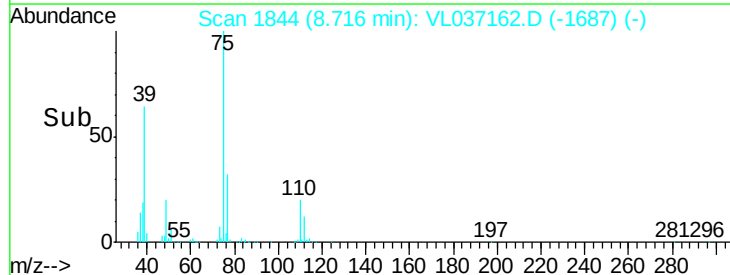
300000

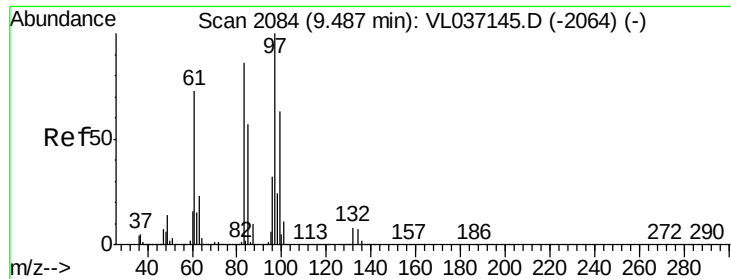
200000

100000

0

Time-->





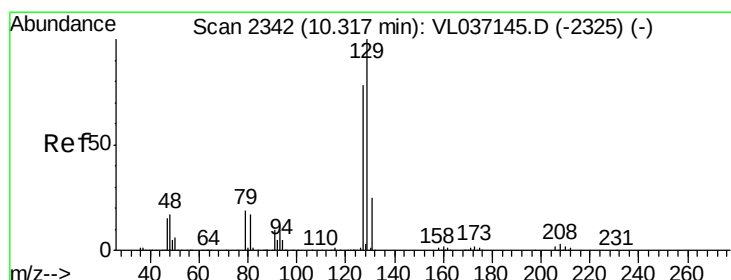
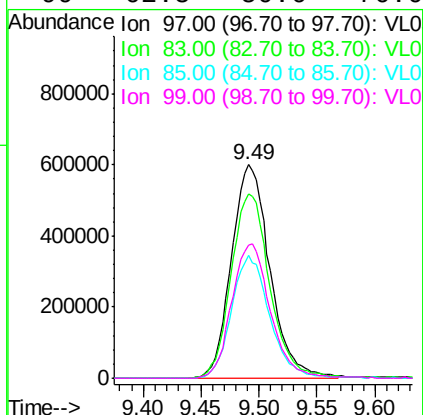
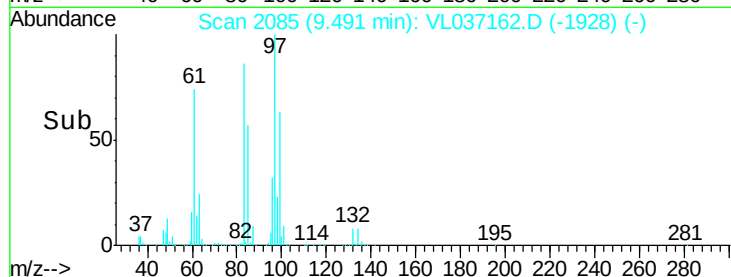
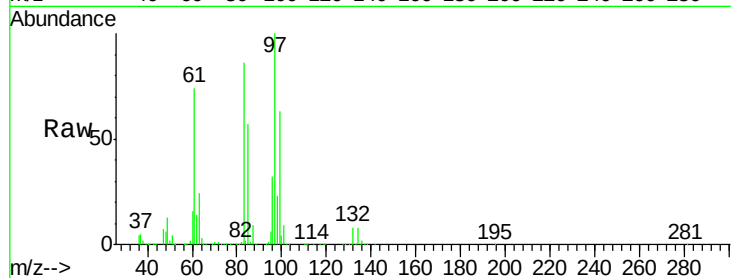
#47
 1,1,2-Trichloroethane
 Concen: 8.549 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VL037162.D
 Acq: 15 Jun 2021 20:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.2	69.0	103.4
85	57.3	45.7	68.5
99	62.5	50.6	76.0

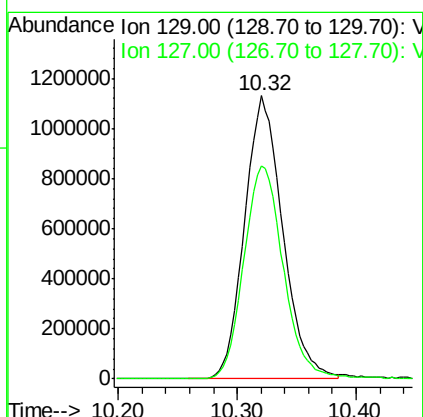
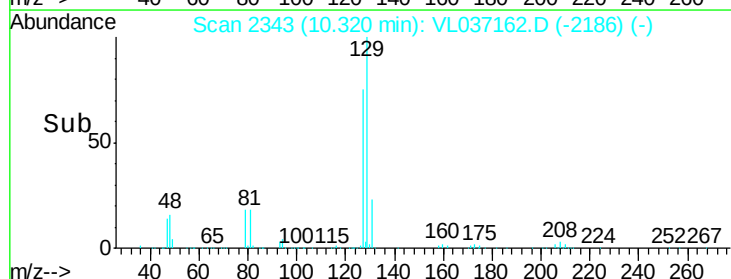
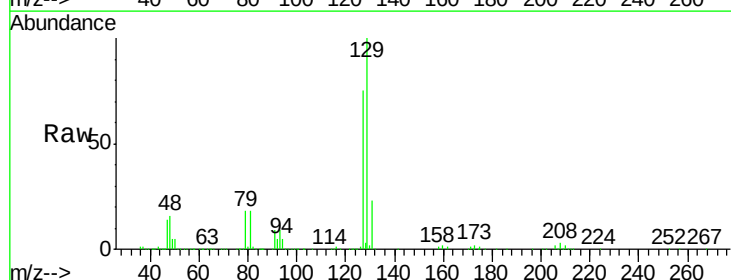
Manual Integrations
 APPROVED

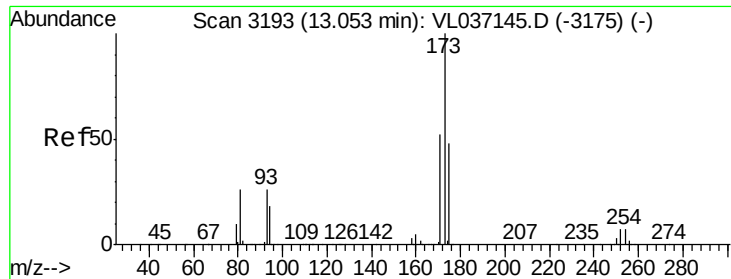
MMDadoda
 6/16/2021 5:01:42 PM



#48
 Dibromochloromethane
 Concen: 9.586 ppbv
 RT: 10.32 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VL037162.D
 Acq: 15 Jun 2021 20:28

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.4	118.2





#49

Bromoform

Concen: 10.374 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. 0.01 min

Lab File: VL037162.D

Acq: 15 Jun 2021 20:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 2119608

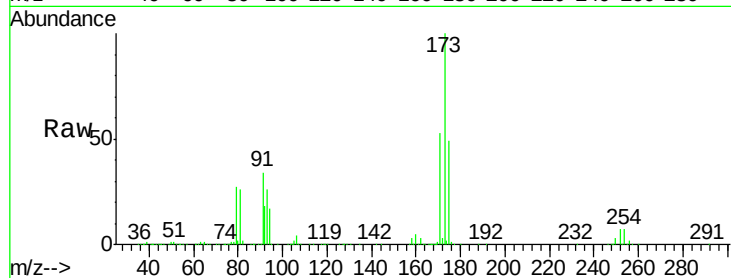
Ion	Ratio	Lower	Upper
173	100		
175	50.4	39.8	59.6
171	52.8	42.5	63.7

Manual Integrations

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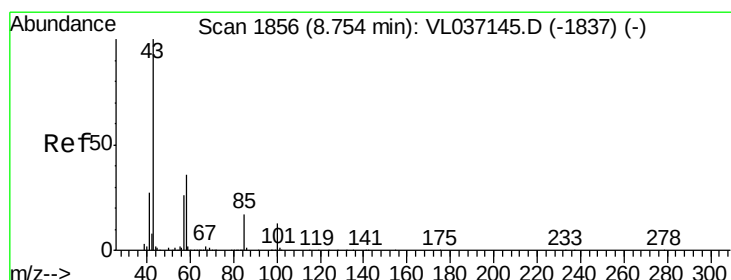
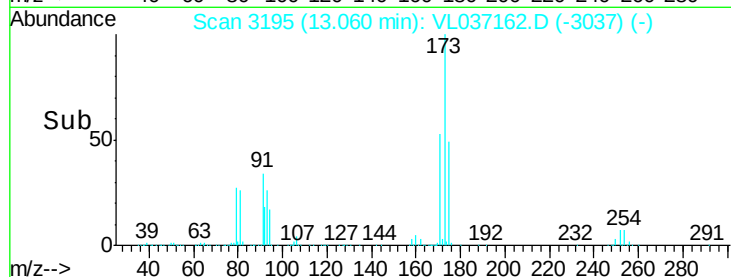
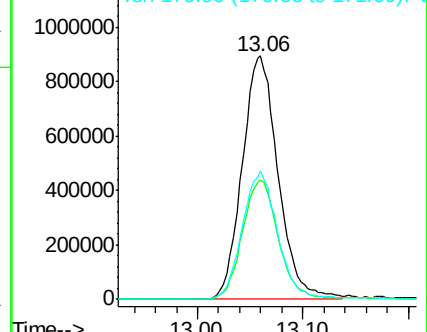


Abundance

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: 8.609 ppbv

RT: 8.76 min Scan# 1858

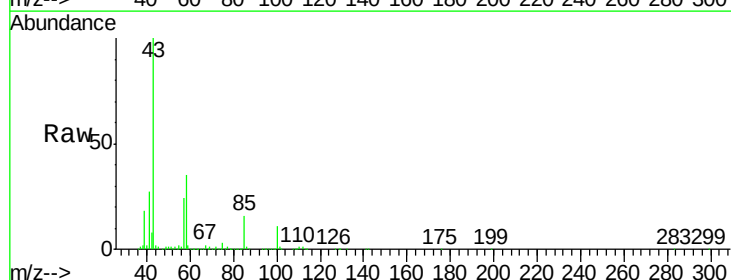
Delta R.T. 0.01 min

Lab File: VL037162.D

Acq: 15 Jun 2021 20:28

Tgt Ion: 43 Resp: 2244047

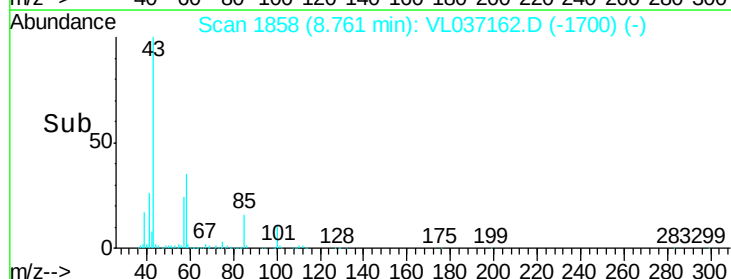
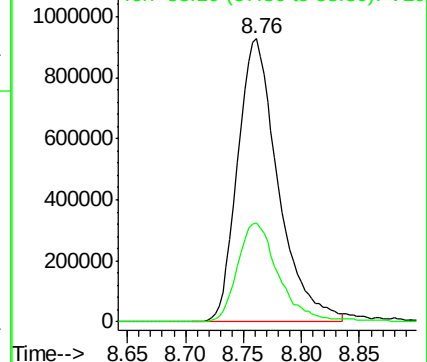
Ion	Ratio	Lower	Upper
43	100		
58	36.1	29.0	43.6

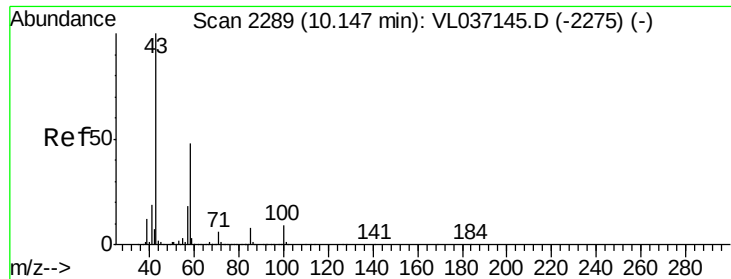


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





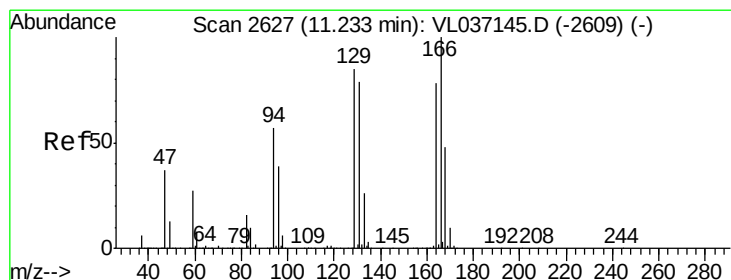
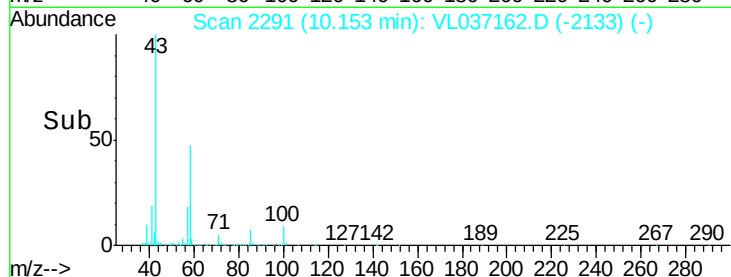
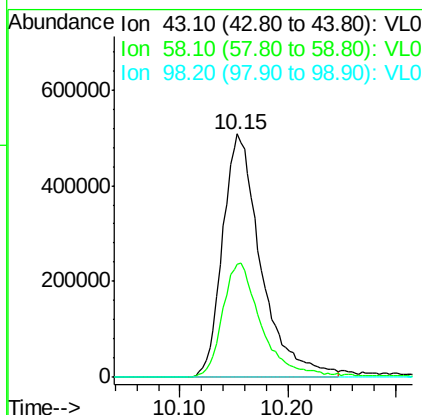
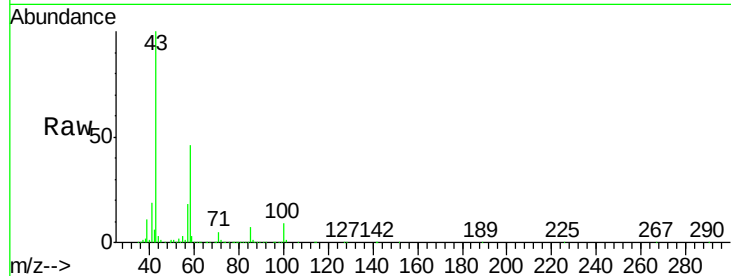
#51
2-Hexanone
Concen: 9.633 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. 0.01 min
Lab File: VL037162.D
Acq: 15 Jun 2021 20:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1253407
Ion Ratio Lower Upper
43 100
58 49.0 40.1 60.1
98 0.2 0.2 0.4#

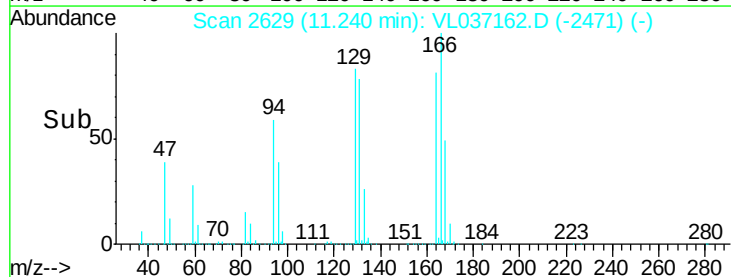
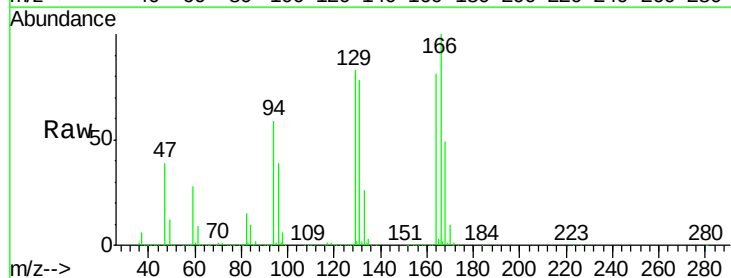
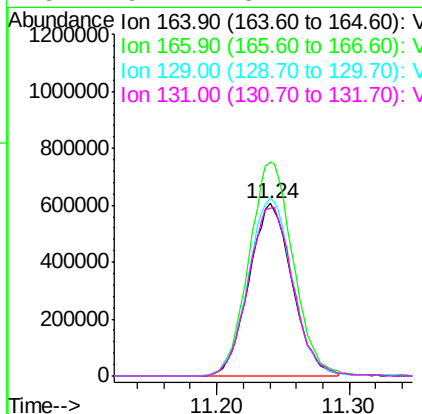
Manual Integrations
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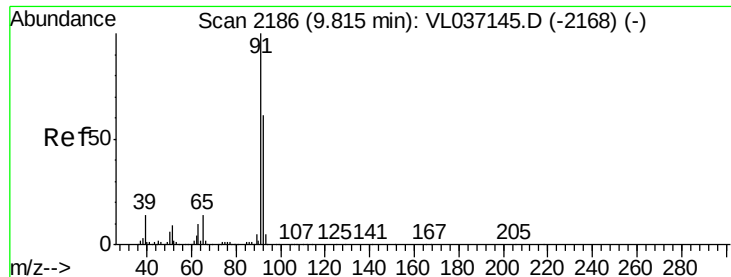
MMDadoda
6/16/2021 5:01:42 PM



#52
Tetrachloroethene
Concen: 8.839 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. 0.01 min
Lab File: VL037162.D
Acq: 15 Jun 2021 20:28

Tgt Ion: 164 Resp: 1368655
Ion Ratio Lower Upper
164 100
166 123.8 102.6 154.0
129 102.9 87.4 131.2
131 97.2 81.4 122.2





#53

Toluene

Concen: 8.827 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.01 min

Lab File: VL037162.D

Acq: 15 Jun 2021 20:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3928030

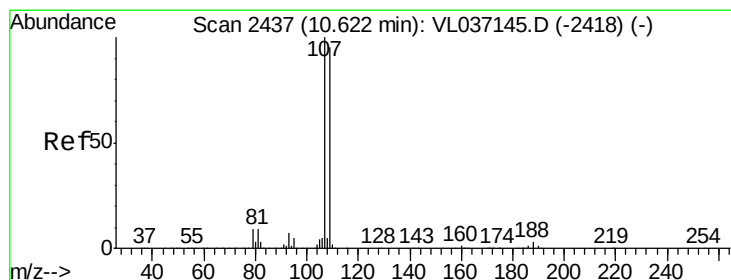
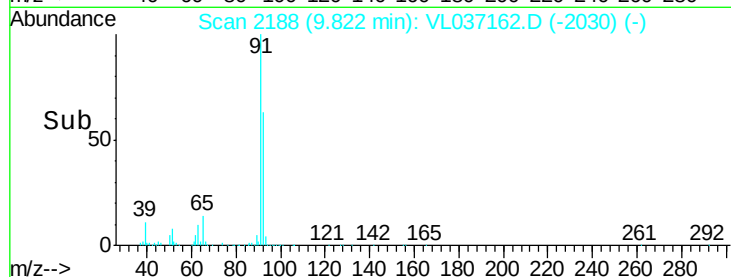
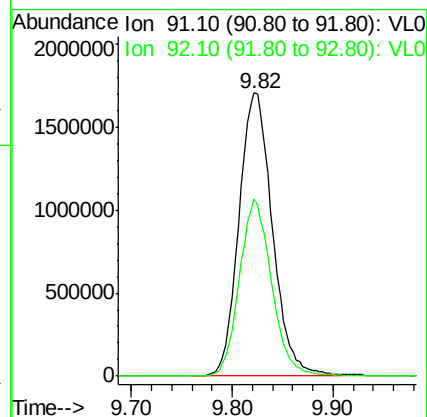
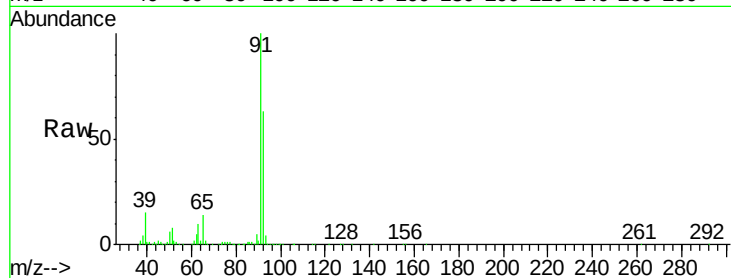
Ion Ratio Lower Upper

91 100

92 60.4 48.6 73.0

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 8.518 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. 0.01 min

Lab File: VL037162.D

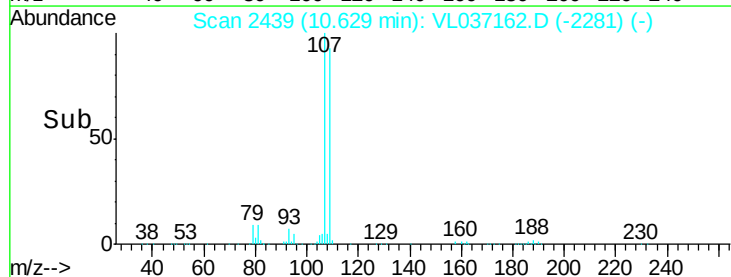
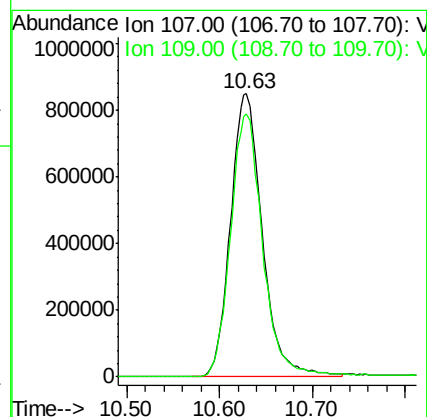
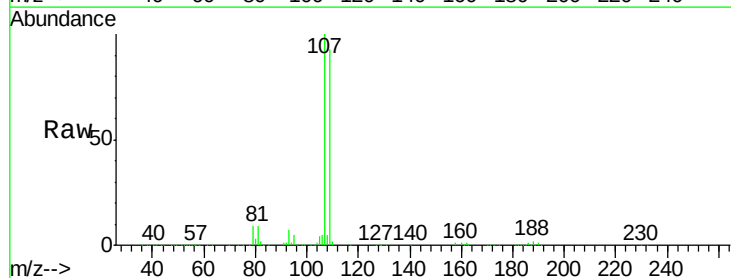
Acq: 15 Jun 2021 20:28

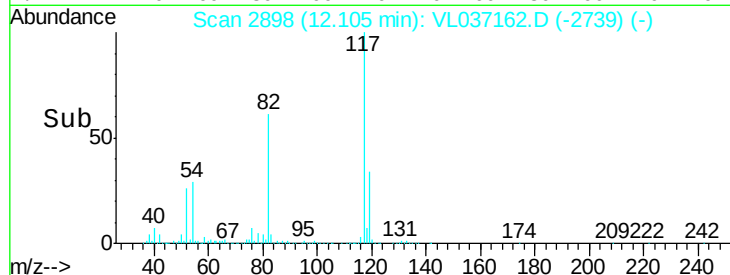
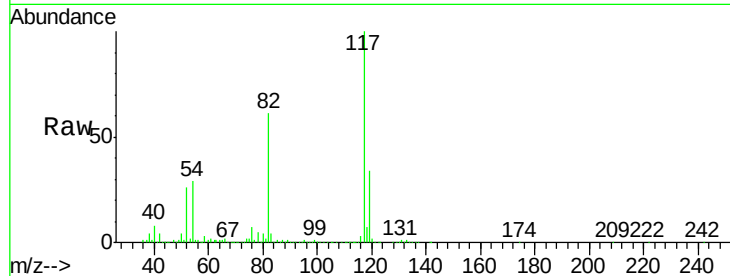
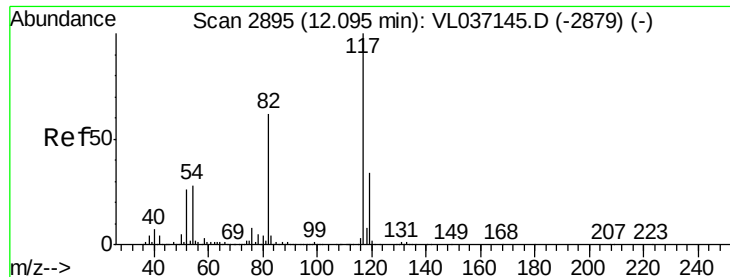
Tgt Ion: 107 Resp: 2022131

Ion Ratio Lower Upper

107 100

109 92.8 75.6 113.4





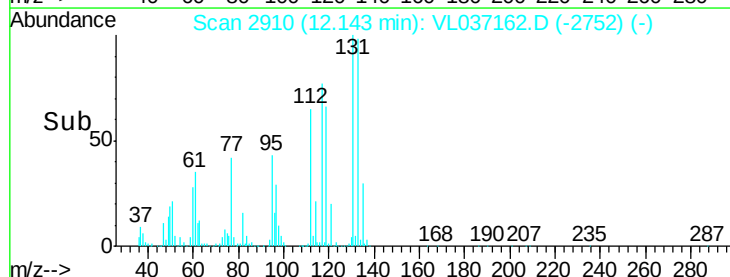
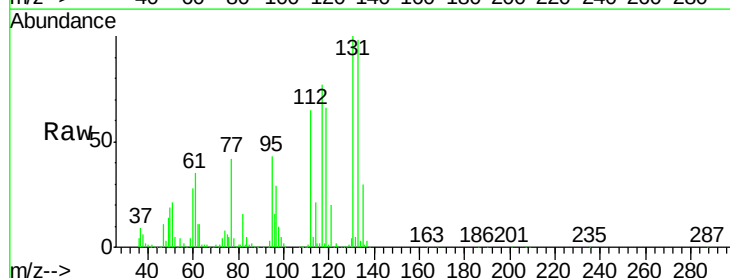
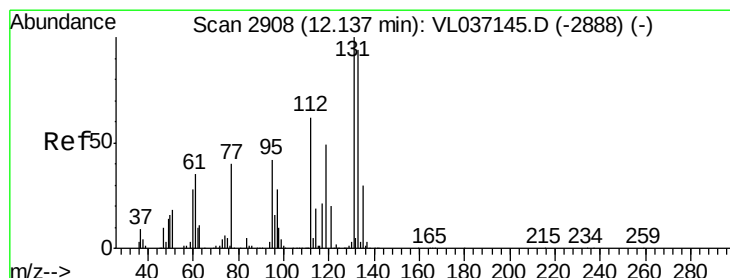
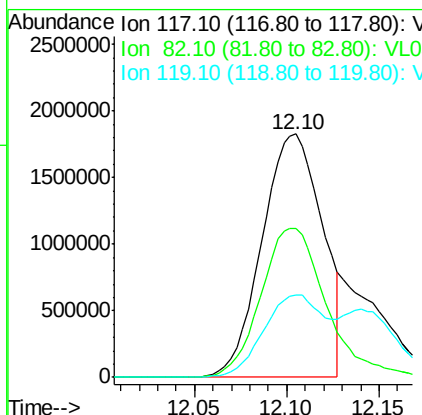
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2898
Delta R.T. 0.01 min
Lab File: VL037162.D
Acq: 15 Jun 2021 20:28

Tot Ion:117 Resp: 4148327
Ion Ratio Lower Upper
117 100
82 67.9 50.6 76.0
119 35.8 27.1 40.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

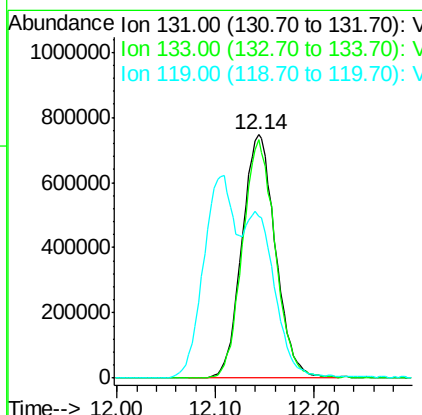
Manual Integrations
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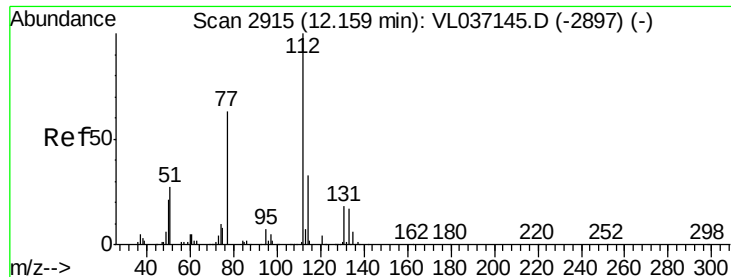
MMDadoda
6/16/2021 5:01:42 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 9.692 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. 0.01 min
Lab File: VL037162.D
Acq: 15 Jun 2021 20:28

Tgt Ion:131 Resp: 1753485
Ion Ratio Lower Upper
131 100
133 95.9 76.7 115.1
119 58.6 50.7 76.1





#57

Chlorobenzene

Concen: 9.136 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. 0.00 min

Lab File: VL037162.D

Acq: 15 Jun 2021 20:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 112 Resp: 3037079

Ion Ratio Lower Upper

112 100

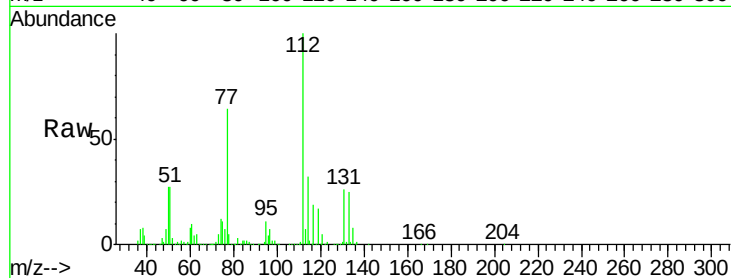
77 63.3 51.4 77.2

114 32.2 29.7 36.3

Manual Integrations
APPROVED

MMDadoda

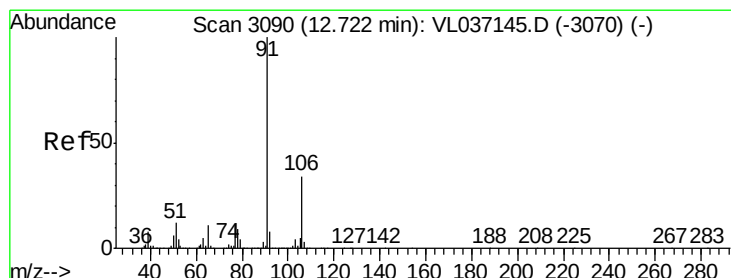
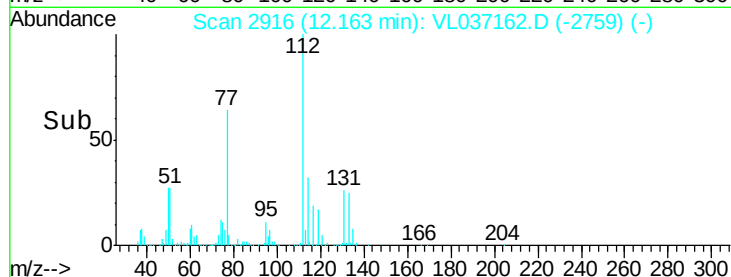
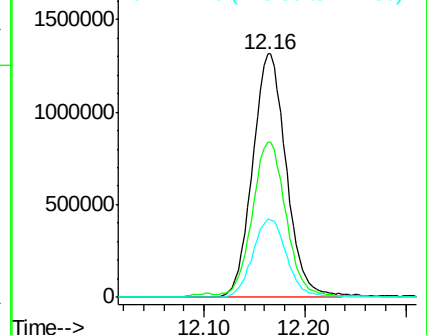
6/16/2021 5:01:42 PM



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: 9.368 ppbv

RT: 12.73 min Scan# 3092

Delta R.T. 0.01 min

Lab File: VL037162.D

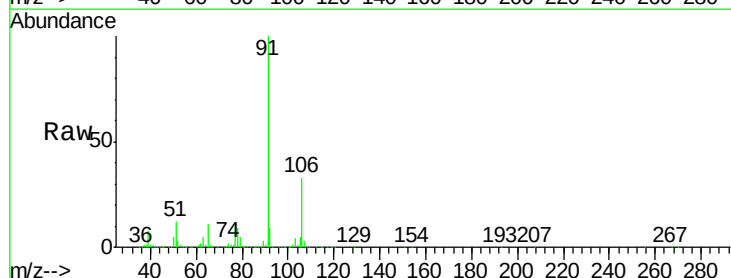
Acq: 15 Jun 2021 20:28

Tgt Ion: 91 Resp: 5264098

Ion Ratio Lower Upper

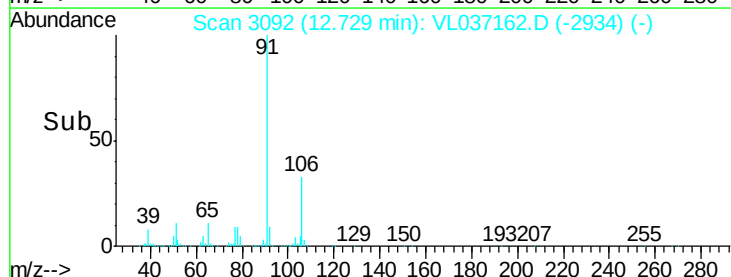
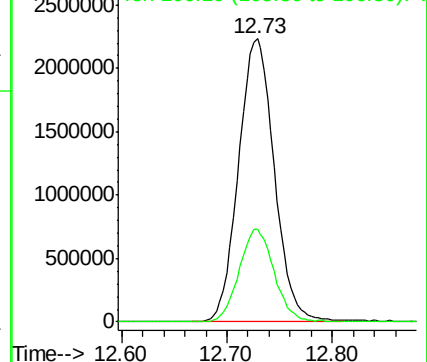
91 100

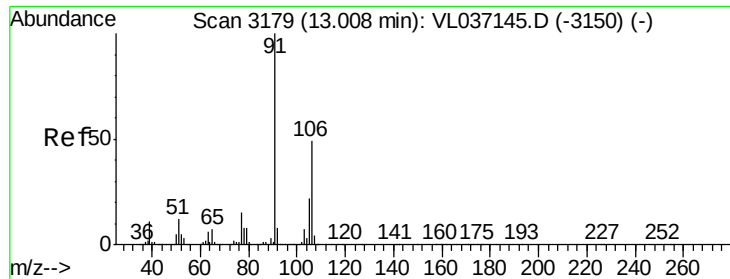
106 32.8 26.8 40.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





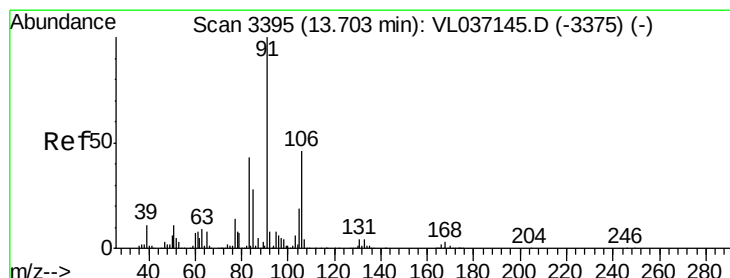
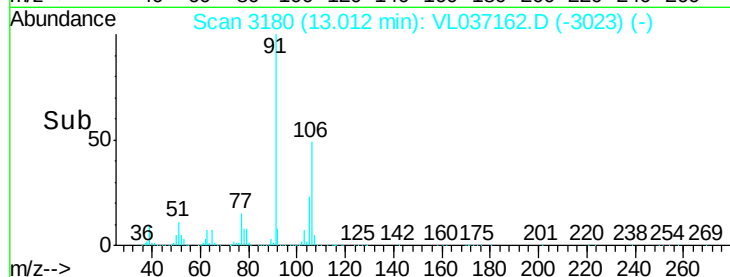
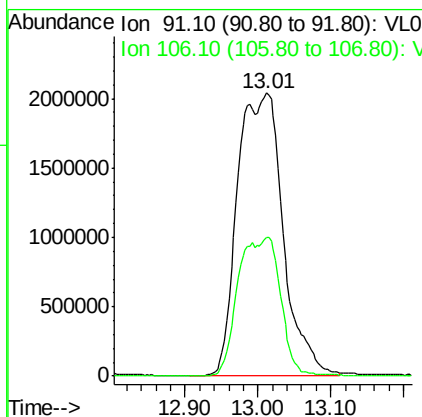
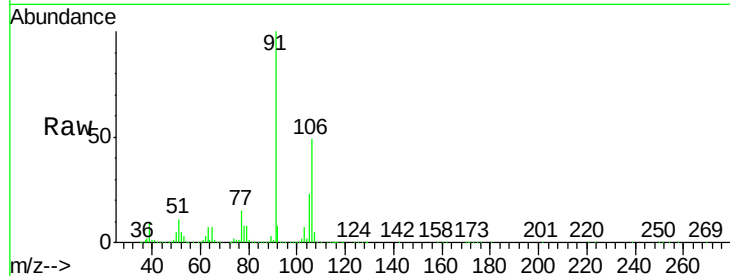
#59
m/p-Xylene
Concen: 18.646 ppbv m
RT: 13.01 min Scan# 3180
Delta R.T. 0.00 min
Lab File: VL037162.D
Acq: 15 Jun 2021 20:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 8903928
Ion Ratio Lower Upper
91 100
106 45.5 36.9 55.3

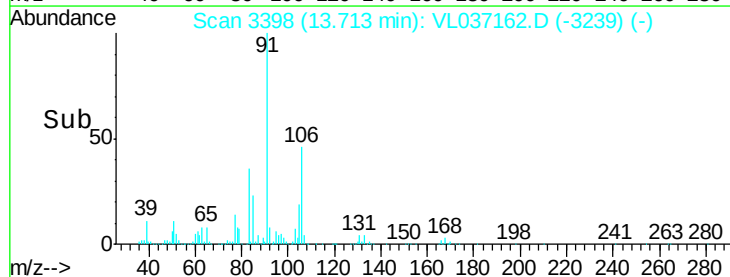
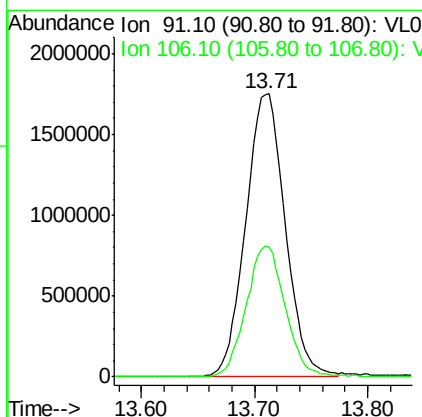
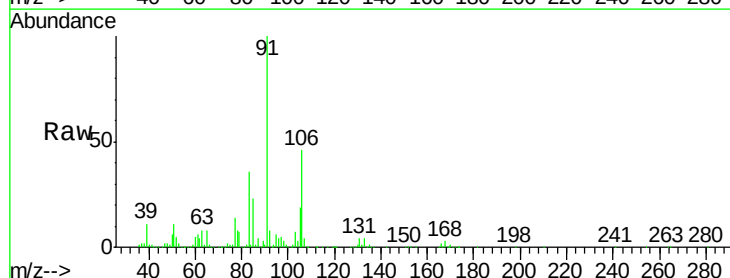
Manual Integrations
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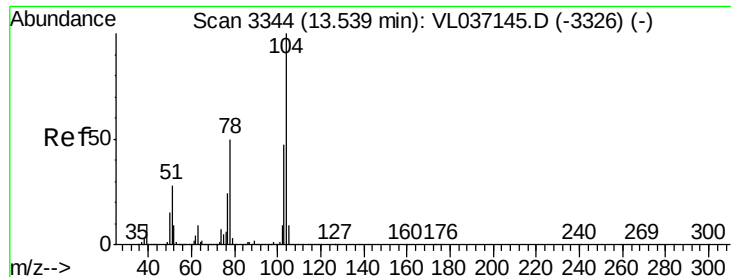
MMDadoda
6/16/2021 5:01:42 PM



#60
o-Xylene
Concen: 9.283 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. 0.01 min
Lab File: VL037162.D
Acq: 15 Jun 2021 20:28

Tgt Ion: 91 Resp: 4255897
Ion Ratio Lower Upper
91 100
106 46.1 23.1 69.3





#61

Stvrene

Concen: 9.503 ppbv

RT: 13.55 min Scan# 3347

Delta R.T. 0.01 min

Lab File: VL037162.D

Acq: 15 Jun 2021 20:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 2296925

Ion Ratio Lower Upper

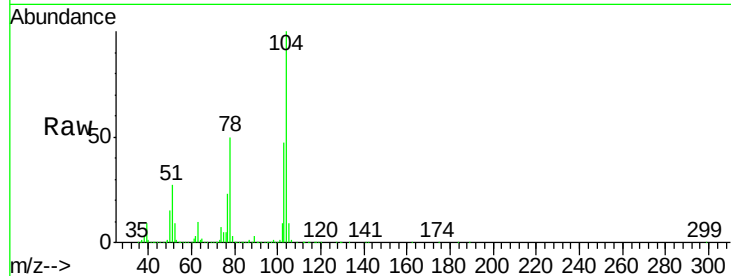
104 100

78 51.2 40.9 61.3

103 48.9 38.6 58.0

Manual Integrations
APPROVED

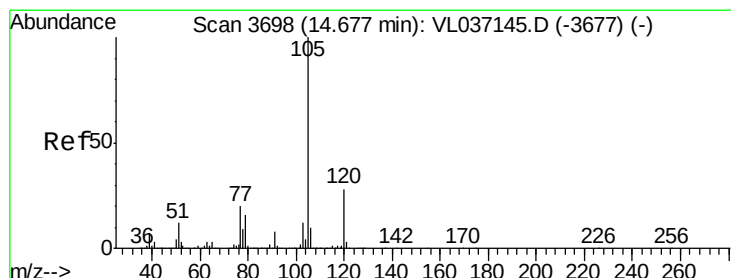
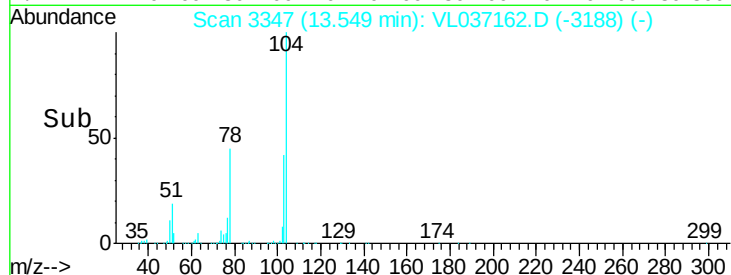
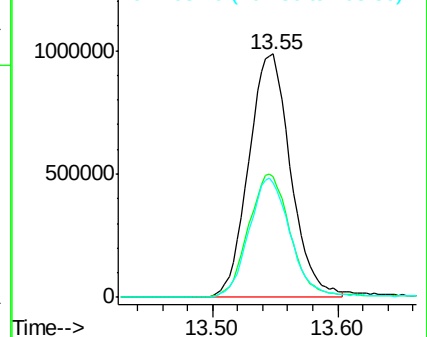
MMDadoda
6/16/2021 5:01:42 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.407 ppbv

RT: 14.69 min Scan# 3701

Delta R.T. 0.01 min

Lab File: VL037162.D

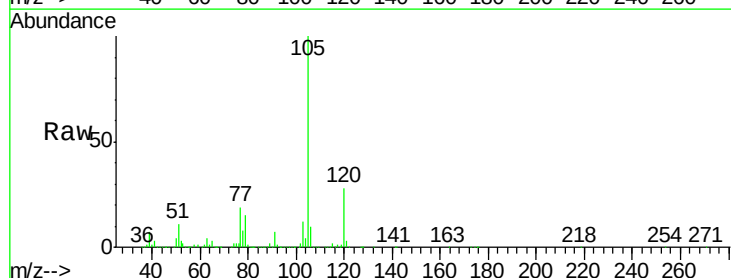
Acq: 15 Jun 2021 20:28

Tgt Ion:105 Resp: 6147582

Ion Ratio Lower Upper

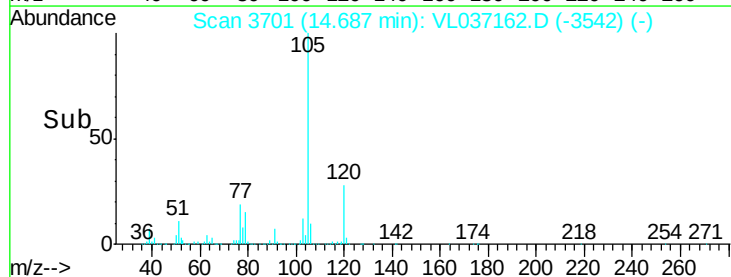
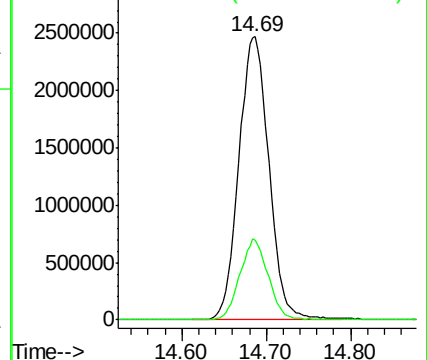
105 100

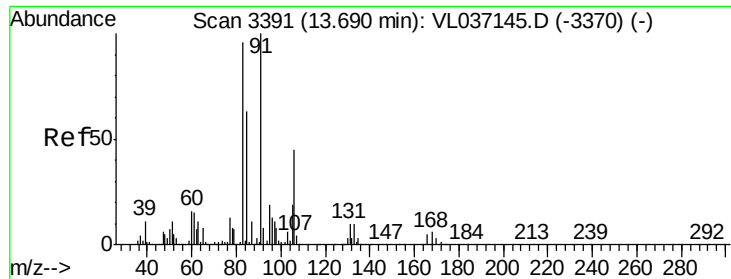
120 27.1 21.8 32.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





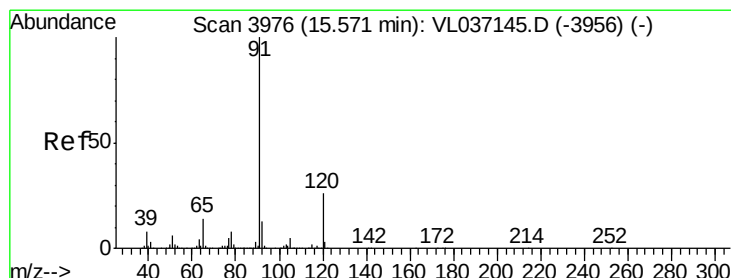
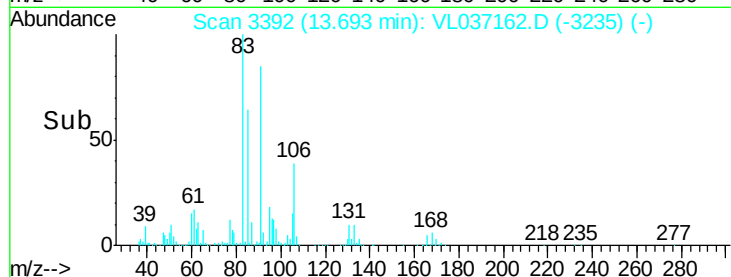
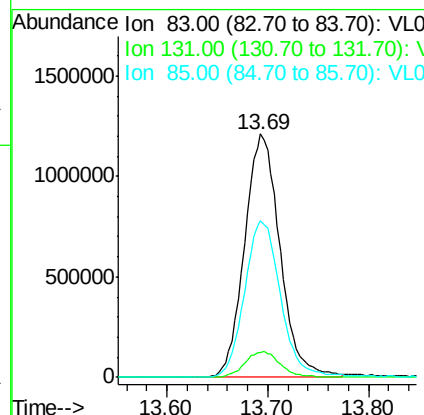
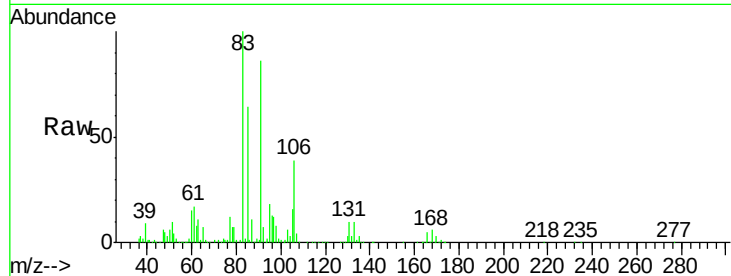
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.876 ppbv
 RT: 13.69 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VL037162.D
 Acq: 15 Jun 2021 20:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 83 Resp: 2944206
 Ion Ratio Lower Upper
 83 100
 131 10.8 5.4 16.2
 85 66.6 33.3 99.9

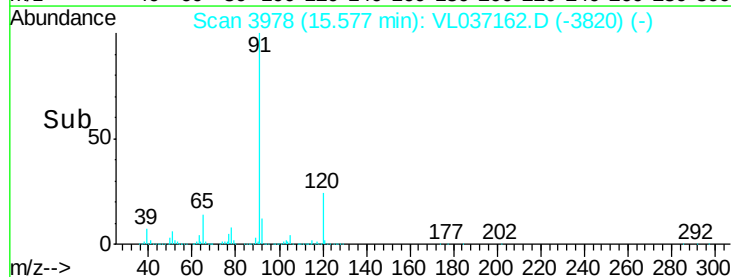
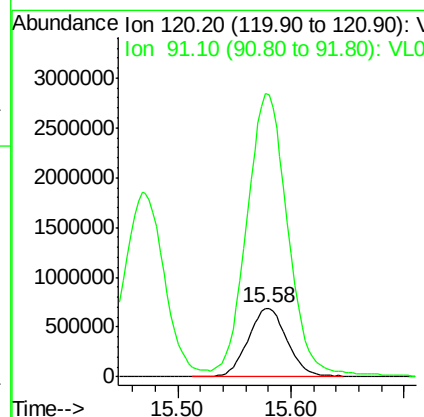
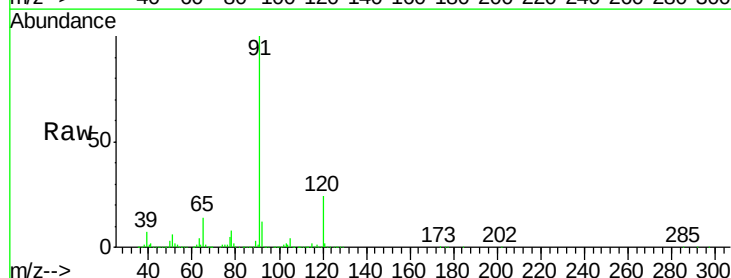
Manual Integrations
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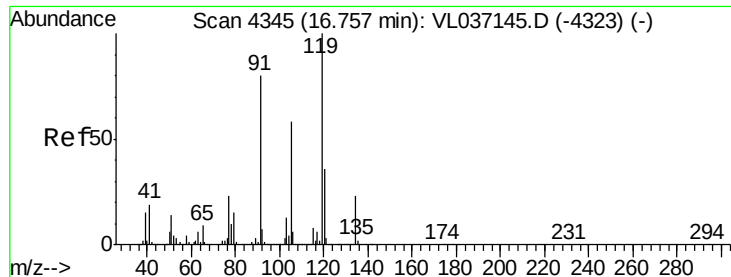
MMDadoda
 6/16/2021 5:01:42 PM



#64
 n-propylbenzene
 Concen: 9.937 ppbv
 RT: 15.58 min Scan# 3978
 Delta R.T. 0.01 min
 Lab File: VL037162.D
 Acq: 15 Jun 2021 20:28

Tgt Ion: 120 Resp: 1656251
 Ion Ratio Lower Upper
 120 100
 91 434.0 342.2 513.4





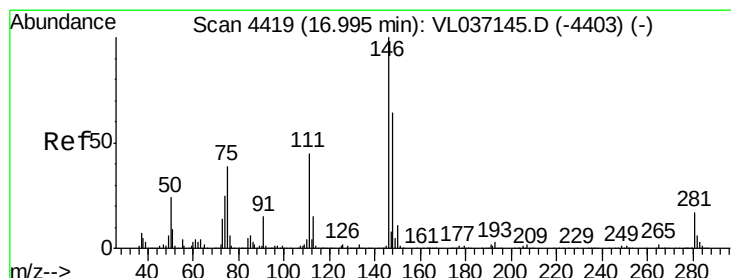
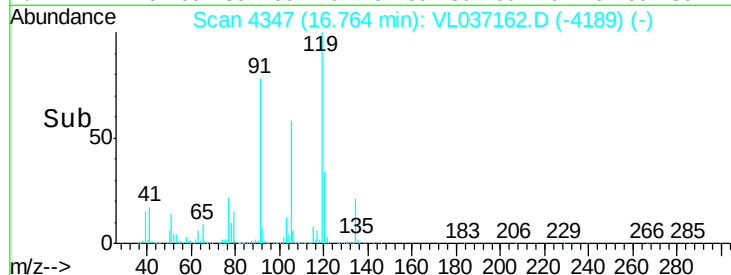
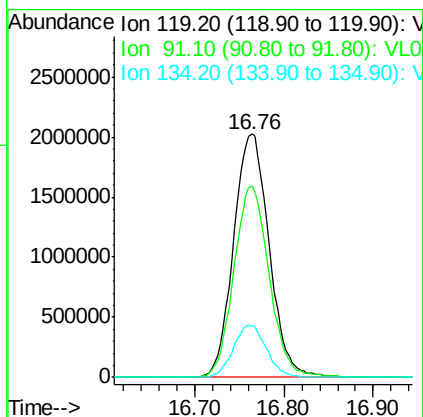
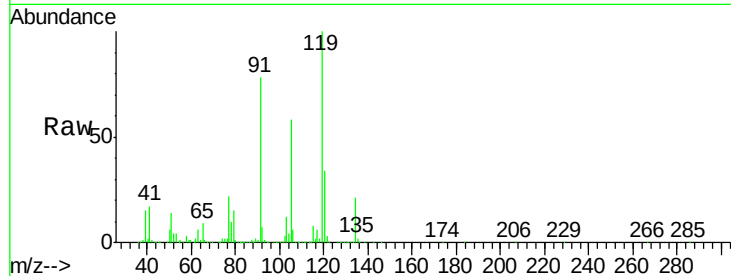
#65
tert-Butylbenzene
Concen: 9.461 ppbv
RT: 16.76 min Scan# 4347
Delta R.T. 0.01 min
Lab File: VL037162.D
Acq: 15 Jun 2021 20:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	78.2	62.8	94.2
134	20.1	16.5	24.7

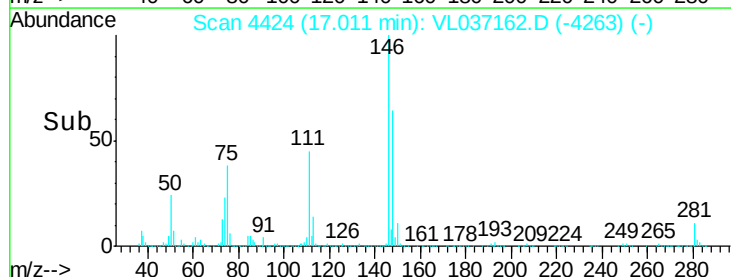
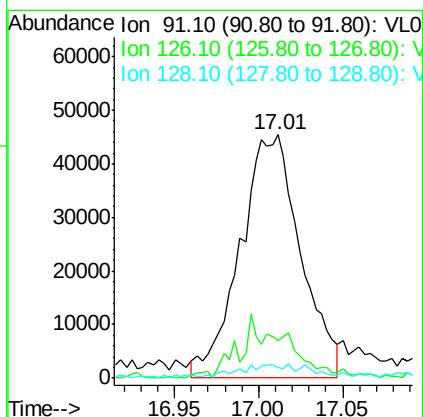
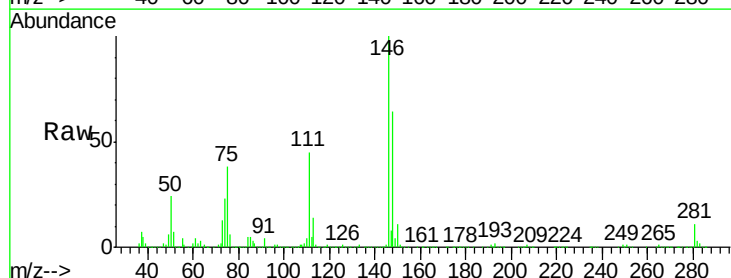
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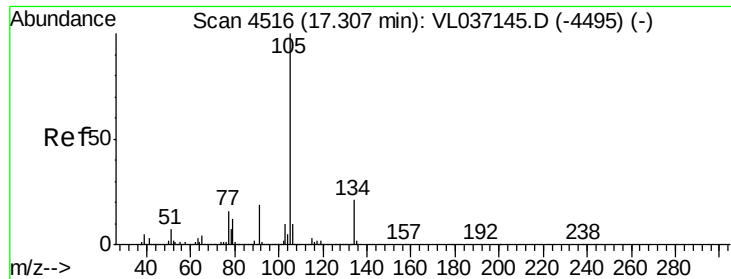
MMDadoda
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#66
Benzyl Chloride
Concen: 4.394 ppbv m
RT: 17.01 min Scan# 4424
Delta R.T. 0.02 min
Lab File: VL037162.D
Acq: 15 Jun 2021 20:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	0.0	16.4	24.6#
128	7.0	5.7	8.5





#67

sec-Butylbenzene

Concen: 9.495 ppbv

RT: 17.31 min Scan# 4517

Delta R.T. 0.00 min

Lab File: VL037162.D

Acq: 15 Jun 2021 20:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 7471907

Ion Ratio Lower Upper

105 100

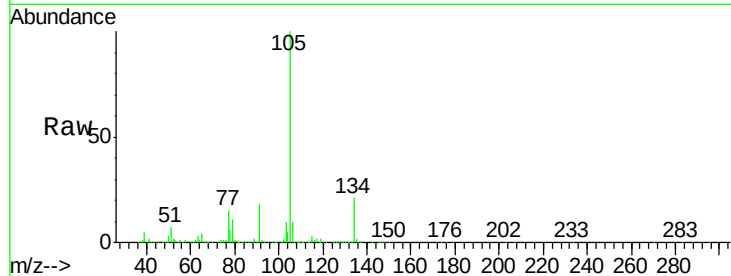
134 19.8 16.0 24.0

Manual Integrations

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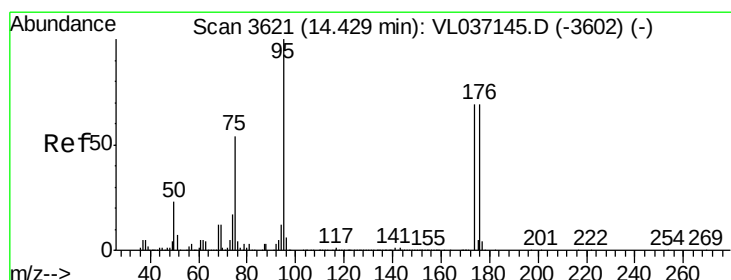
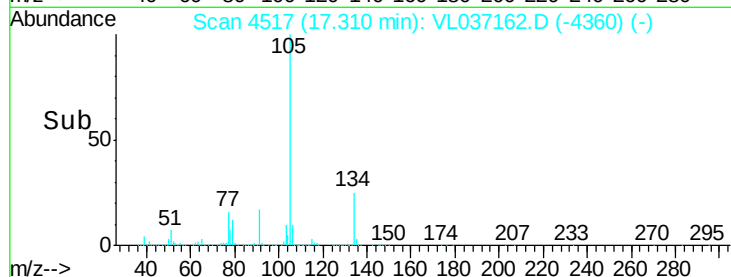
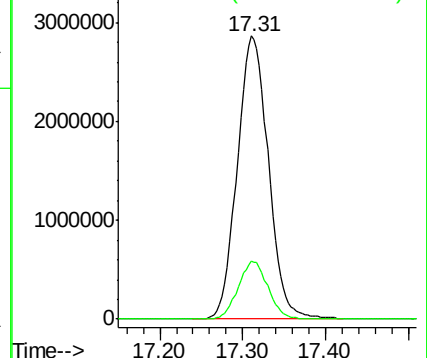
MMDadoda

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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: 11.206 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. 0.00 min

Lab File: VL037162.D

Acq: 15 Jun 2021 20:28

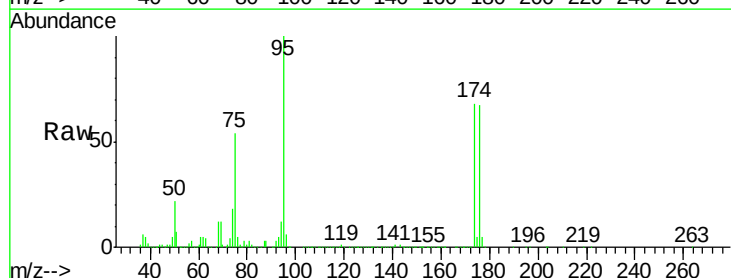
Tgt Ion: 95 Resp: 3424033

Ion Ratio Lower Upper

95 100

174 71.9 57.6 86.4

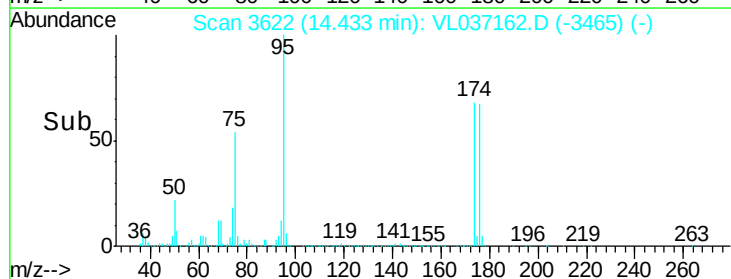
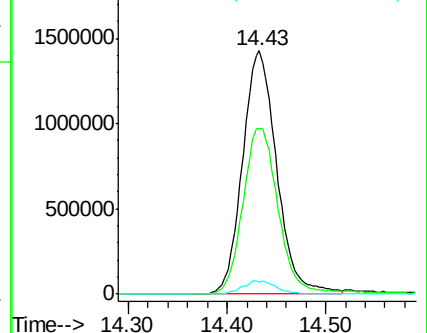
175 5.5 4.4 6.6

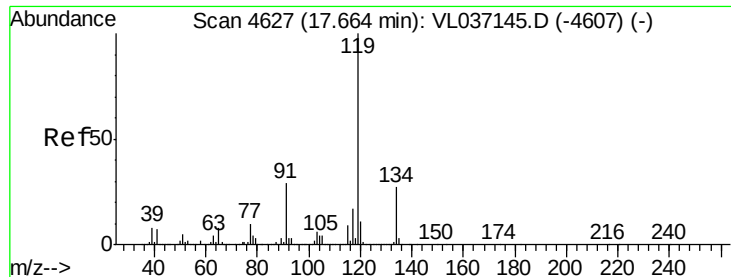


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





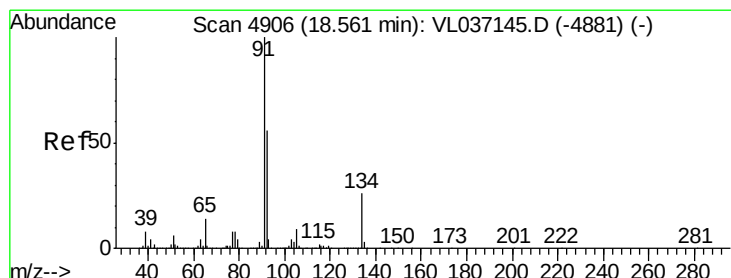
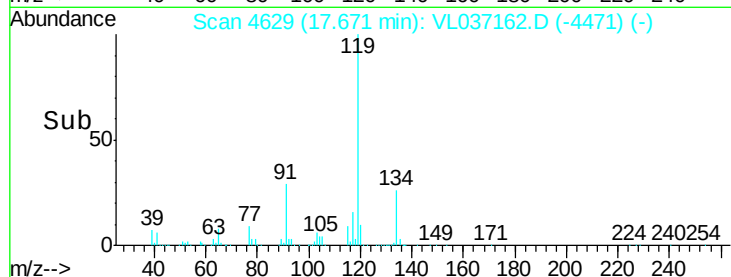
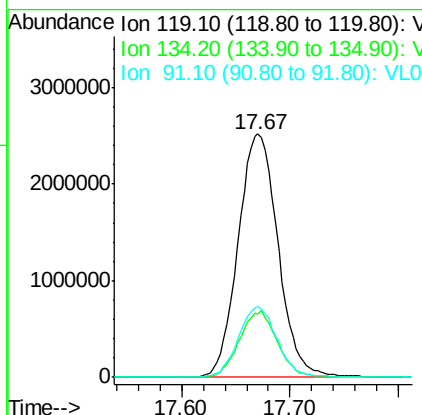
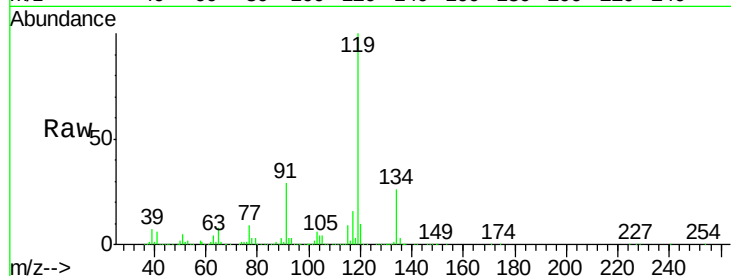
#69
 p-Isopropyltoluene
 Concen: 9.834 ppbv
 RT: 17.67 min Scan# 4629
 Delta R.T. 0.01 min
 Lab File: VL037162.D
 Acq: 15 Jun 2021 20:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.1	21.2	31.8
91	28.2	22.9	34.3

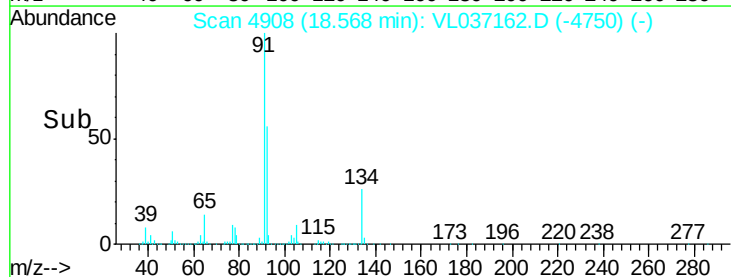
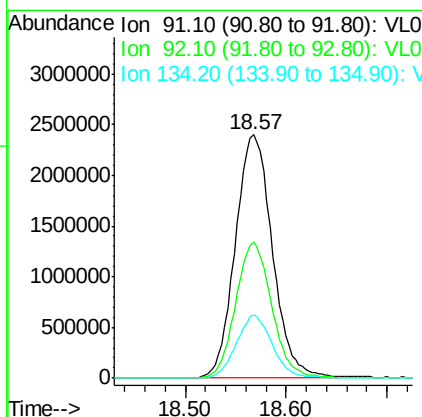
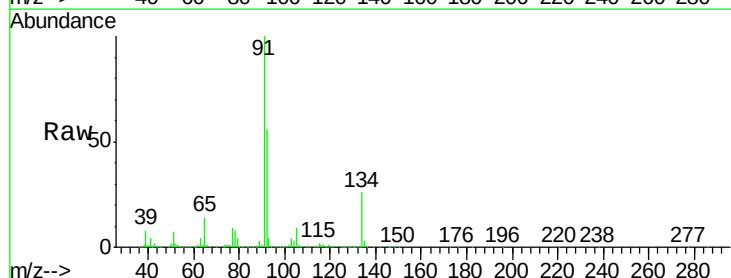
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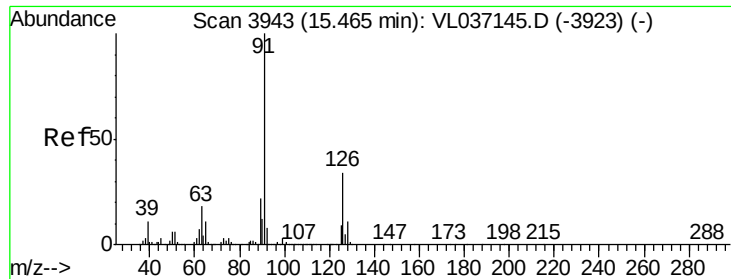
MMDadoda
 6/16/2021 5:01:42 PM



#70
 n-Butylbenzene
 Concen: 10.147 ppbv
 RT: 18.57 min Scan# 4908
 Delta R.T. 0.01 min
 Lab File: VL037162.D
 Acq: 15 Jun 2021 20:28

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.7	44.0	66.0
134	25.2	20.4	30.6





#71

2-Chlorotoluene

Concen: 9.704 ppbv

RT: 15.47 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VL037162.D

Acq: 15 Jun 2021 20:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4523707

Ion Ratio Lower Upper

91 100

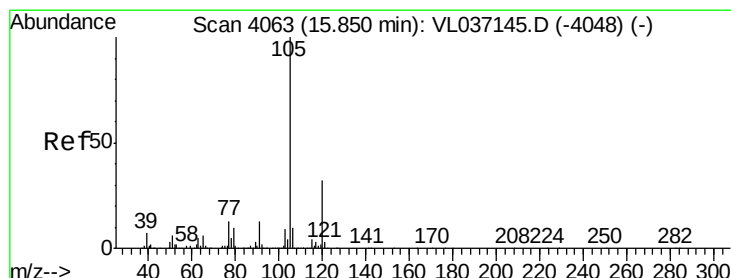
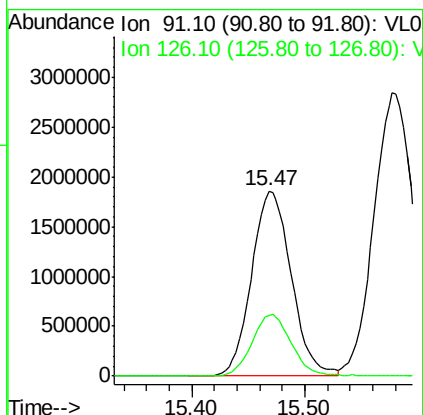
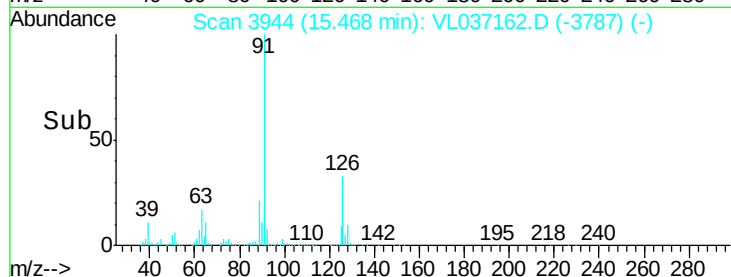
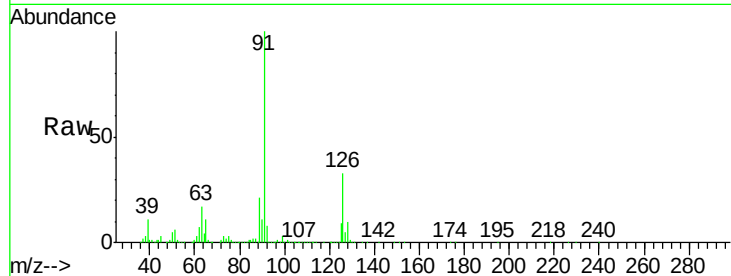
126 33.3 13.4 53.6

Manual Integrations

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#72

4-Ethyltoluene

Concen: 9.615 ppbv

RT: 15.86 min Scan# 4065

Delta R.T. 0.01 min

Lab File: VL037162.D

Acq: 15 Jun 2021 20:28

Tgt Ion: 105 Resp: 5121158

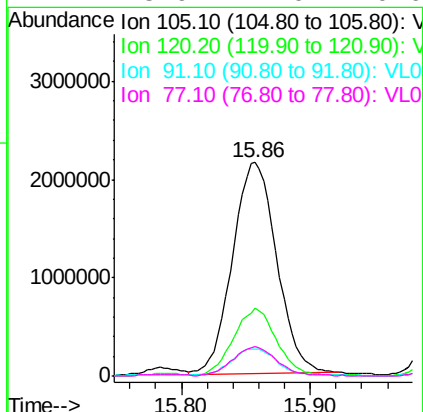
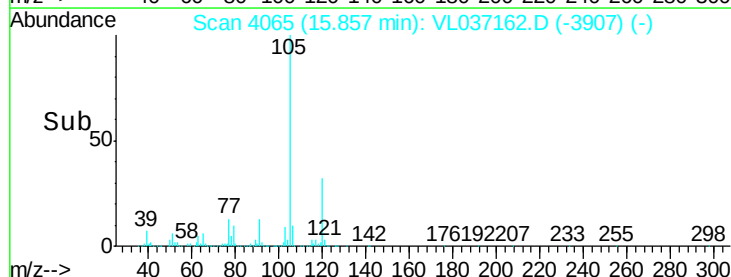
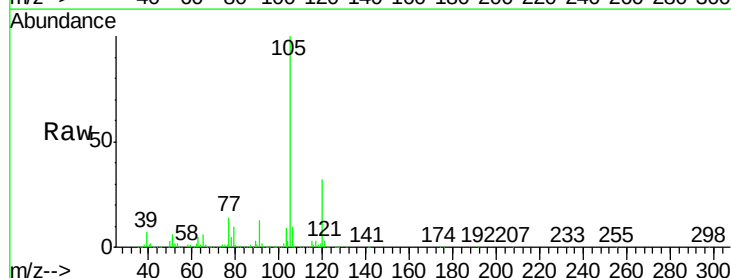
Ion Ratio Lower Upper

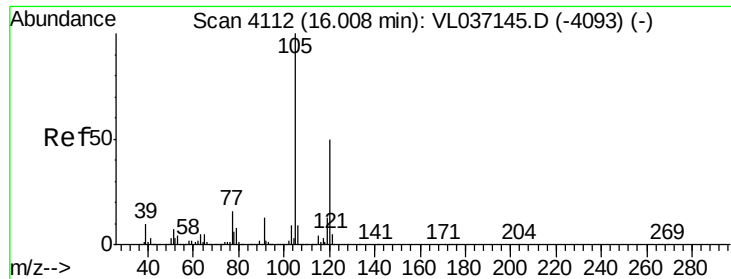
105 100

120 31.4 25.1 37.7

91 12.8 10.3 15.5

77 13.9 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 9.253 ppbv

RT: 16.01 min Scan# 4114

Delta R.T. 0.01 min

Lab File: VL037162.D

Acq: 15 Jun 2021 20:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 4673945

Ion Ratio Lower Upper

105 100

120 46.9

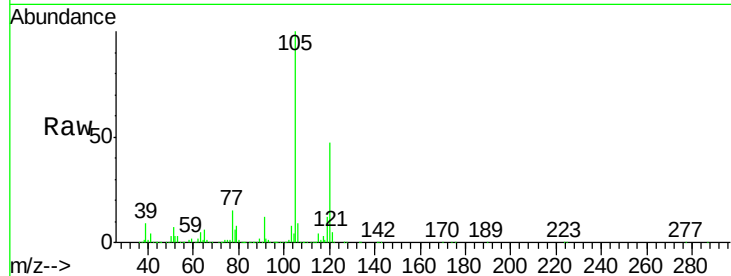
39.7 59.5

Manual Integrations

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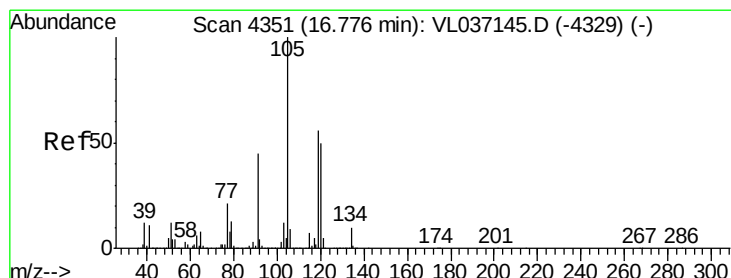
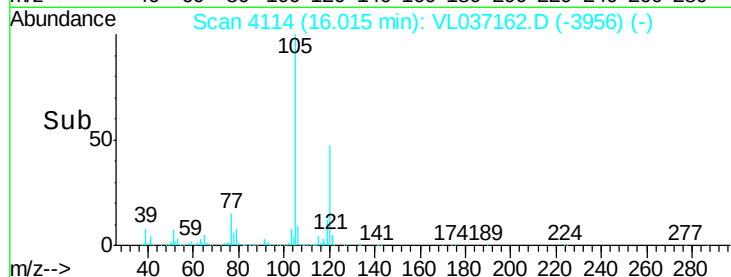
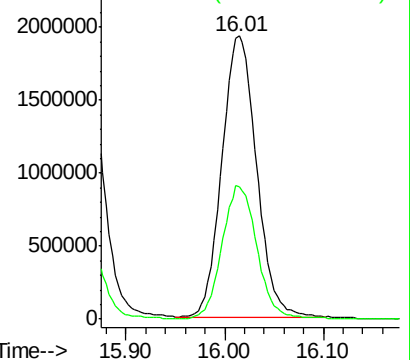
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.601 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. 0.00 min

Lab File: VL037162.D

Acq: 15 Jun 2021 20:28

Tgt Ion:105 Resp: 4934938

Ion Ratio Lower Upper

105 100

120 50.6

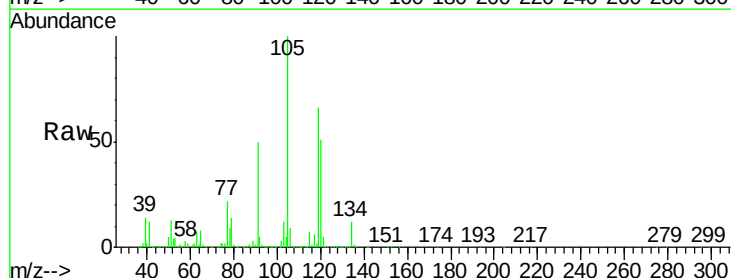
39.7 59.5

91 50.3

35.8 53.8

77 21.9

16.7 25.1

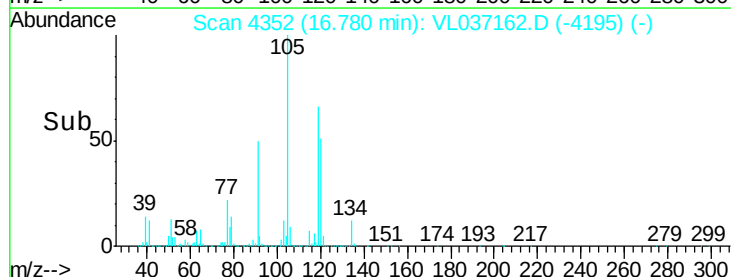
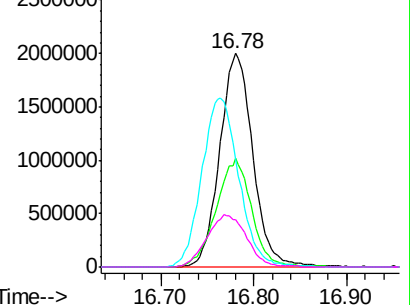


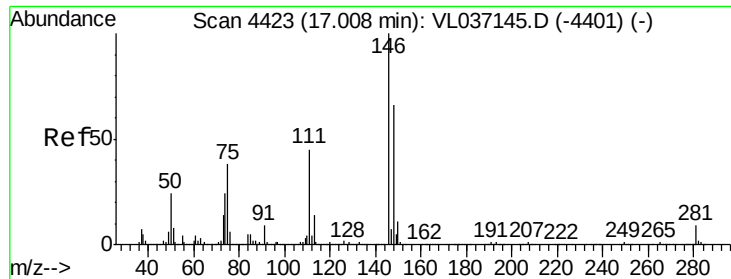
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





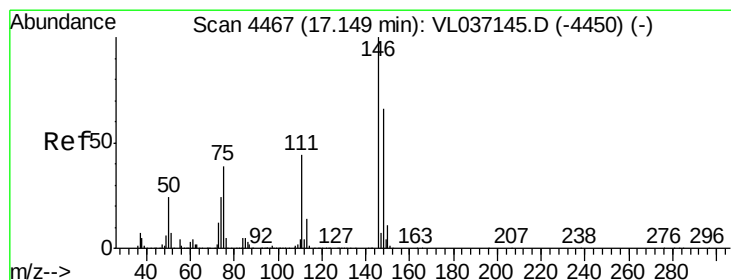
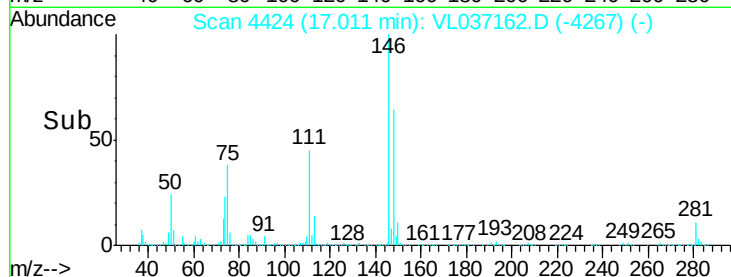
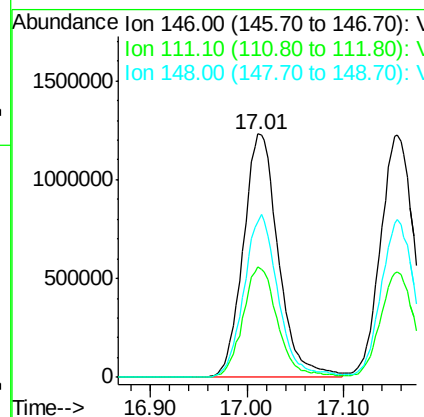
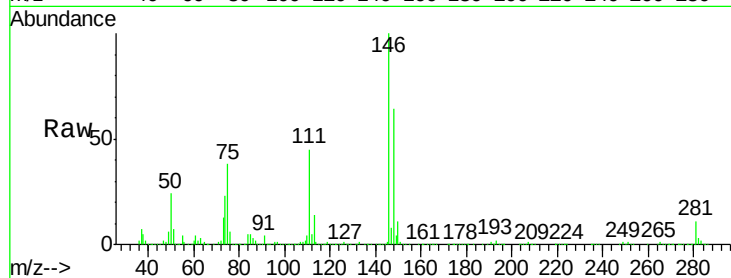
#75
 1,3-Dichlorobenzene
 Concen: 9.821 ppbv
 RT: 17.01 min Scan# 4424
 Delta R.T. 0.00 min
 Lab File: VL037162.D
 Acq: 15 Jun 2021 20:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 3108329
 Ion Ratio Lower Upper
 146 100
 111 44.8 22.4 67.2
 148 65.2 32.3 96.9

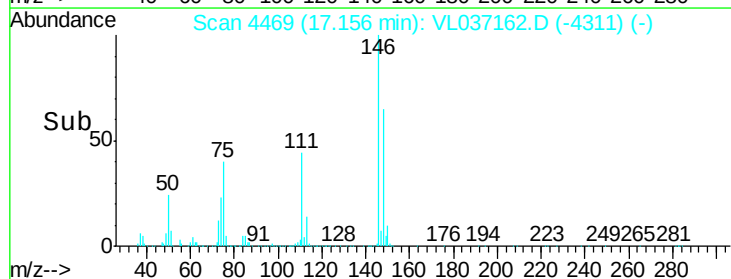
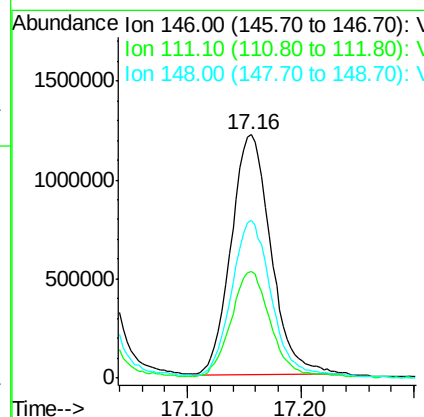
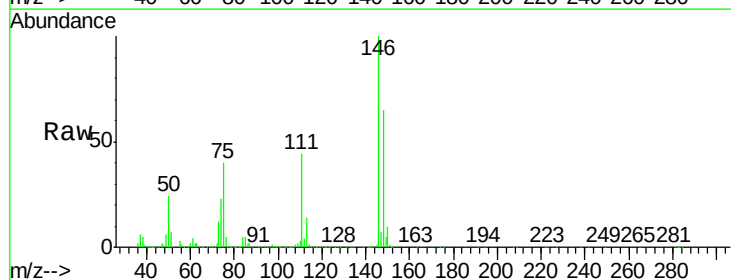
Manual Integrations
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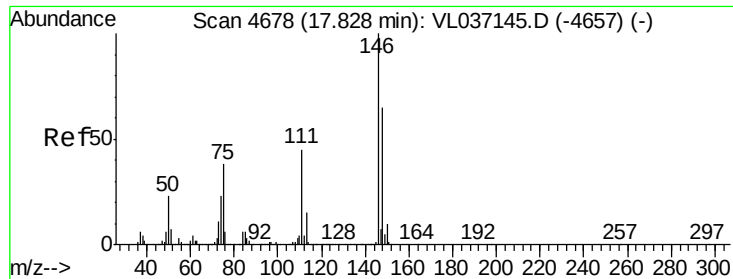
MMDadoda
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#76
 1,4-Dichlorobenzene
 Concen: 9.462 ppbv
 RT: 17.16 min Scan# 4469
 Delta R.T. 0.01 min
 Lab File: VL037162.D
 Acq: 15 Jun 2021 20:28

Tgt Ion:146 Resp: 2974257
 Ion Ratio Lower Upper
 146 100
 111 45.1 21.9 65.5
 148 67.2 32.4 97.0





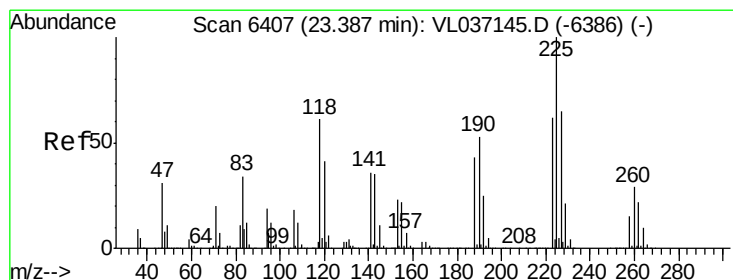
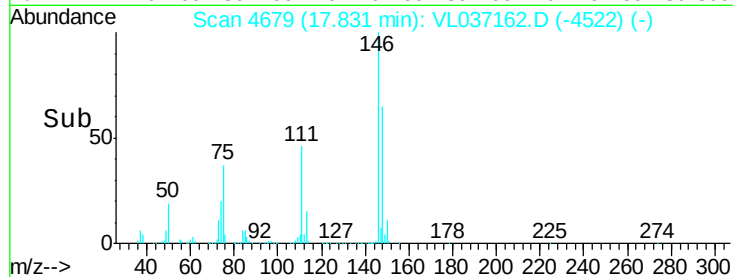
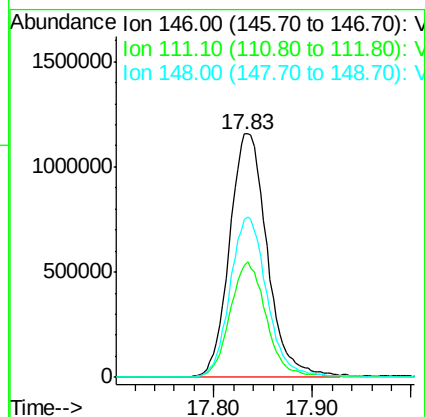
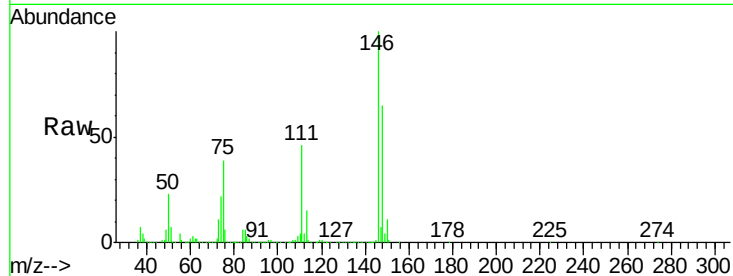
#77
 1,2-Dichlorobenzene
 Concen: 9.732 ppbv
 RT: 17.83 min Scan# 4679
 Delta R.T. 0.00 min
 Lab File: VL037162.D
 Acq: 15 Jun 2021 20:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 3037084
 Ion Ratio Lower Upper
 146 100
 111 46.4 23.1 69.3
 148 65.4 32.5 97.5

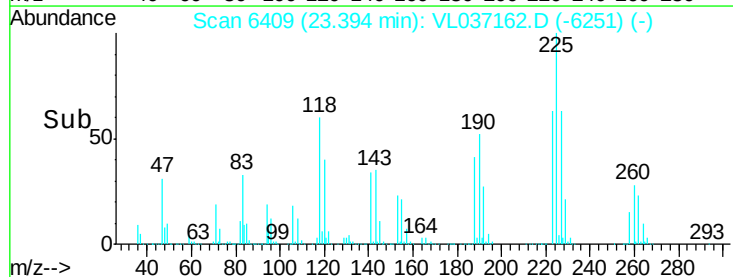
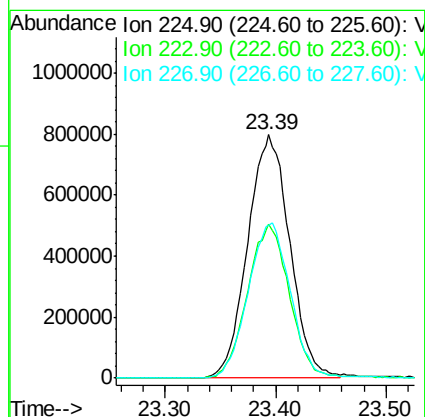
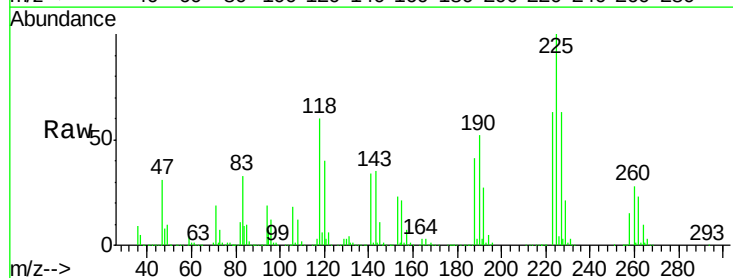
Manual Integrations
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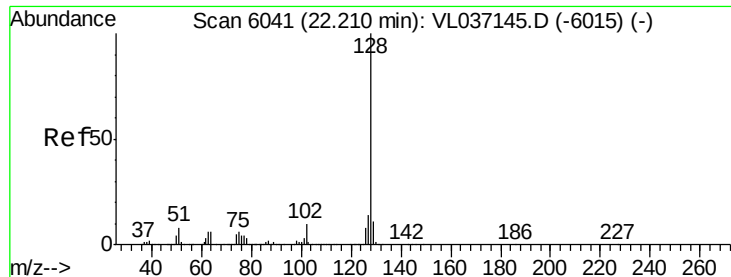
MMDadoda
 6/16/2021 5:01:42 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.513 ppbv
 RT: 23.39 min Scan# 6409
 Delta R.T. 0.01 min
 Lab File: VL037162.D
 Acq: 15 Jun 2021 20:28

Tgt Ion:225 Resp: 2104440
 Ion Ratio Lower Upper
 225 100
 223 63.5 52.2 78.2
 227 64.4 51.5 77.3





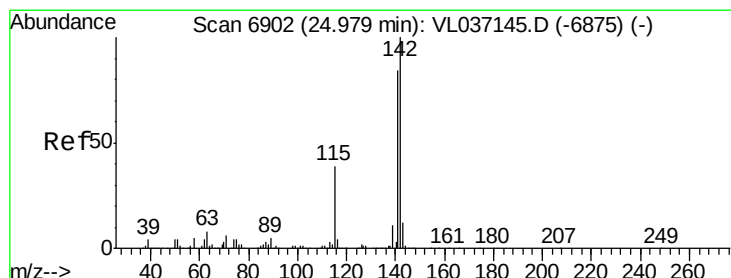
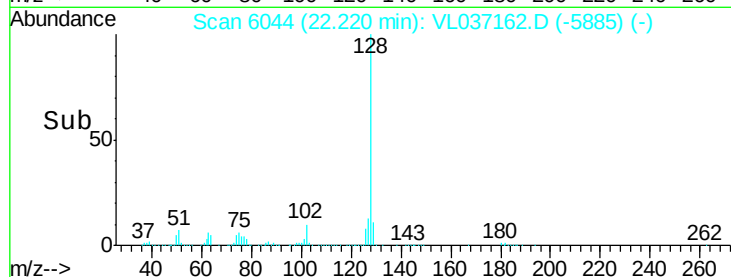
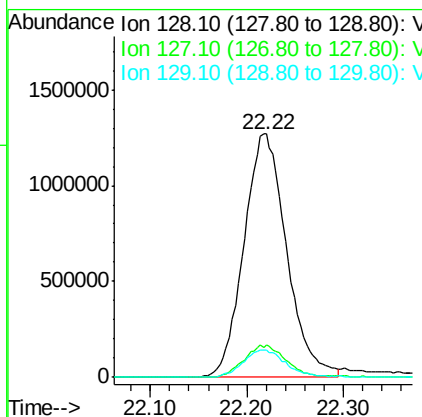
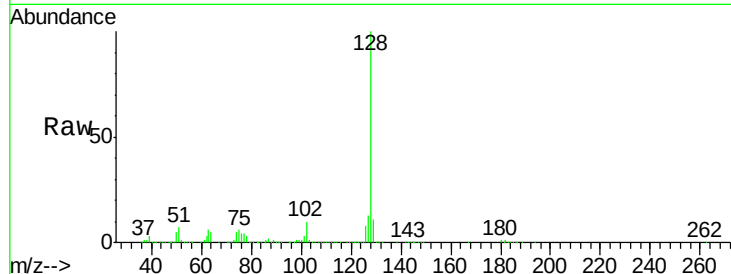
#79
Naphthalene
Concen: 12.586 ppbv
RT: 22.22 min Scan# 6044
Delta R.T. 0.01 min
Lab File: VL037162.D
Acq: 15 Jun 2021 20:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.9	16.3
129	11.4	9.0	13.4

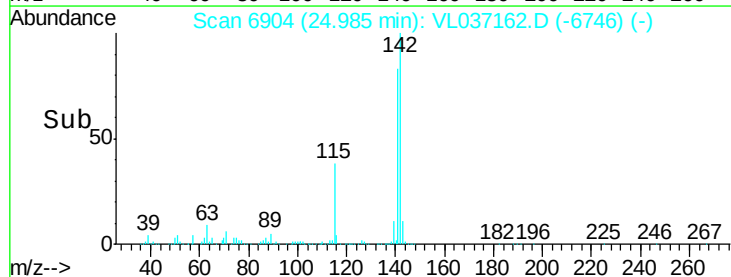
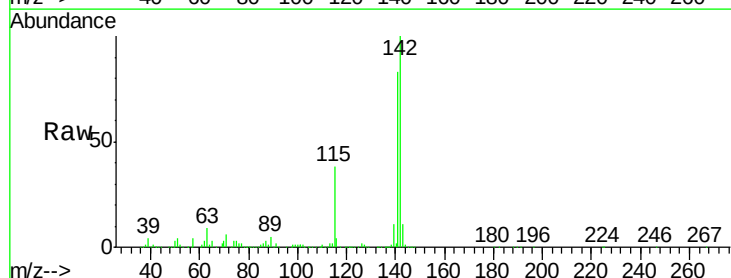
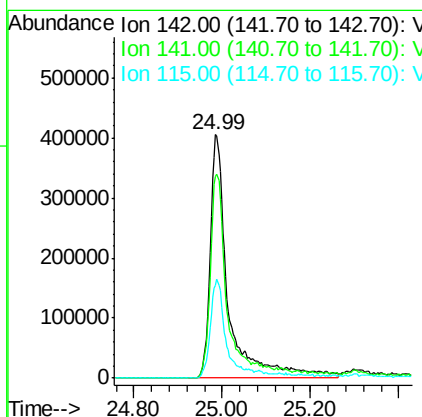
Manual Integrations
APPROVED

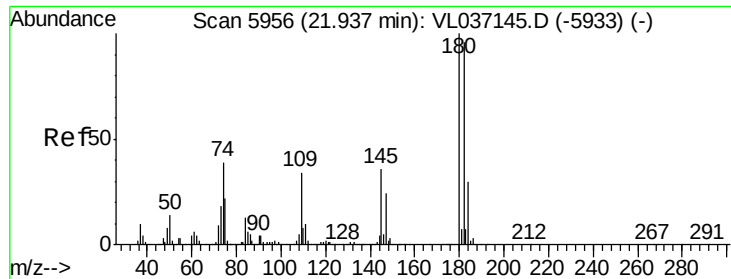
MMDadoda
6/16/2021 5:01:42 PM



#80
Naphthalene, 2-methyl-
Concen: 15.612 ppbv
RT: 24.99 min Scan# 6904
Delta R.T. 0.01 min
Lab File: VL037162.D
Acq: 15 Jun 2021 20:28

Tgt Ion	Ratio	Lower	Upper
142	100		
141	79.7	66.7	100.1
115	36.2	32.2	48.2





#81
 1,2,4-Trichlorobenzene
 Concen: 11.456 ppbv
 RT: 21.95 min Scan# 5959
 Delta R.T. 0.01 min
 Lab File: VL037162.D
 Acq: 15 Jun 2021 20:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.8	79.8	119.6
184	31.1	25.1	37.7

Manual Integrations
 APPROVED

MMDadoda
 6/16/2021 5:01:42 PM

