

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
 Data File : VL037322.D
 Acq On : 5 Aug 2021 00:31
 Operator : SY/AP
 Sample : VL0804ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0804ABS01

Manual Integrations
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 8/5/2021 1:40:25 PM

Quant Time: Aug 05 04:08:25 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 0
 QLast Update : Wed Aug 04 22:53:01 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1175633	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3862716	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3372552m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2375551	10.31	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	1855918	7.775	ppbv 98
3) Chlorodifluoromethane	2.98	51	2011231	8.414	ppbv 98
4) Chloromethane	3.14	50	726799	8.490	ppbv 95
5) Vinyl Chloride	3.25	62	809418	9.034	ppbv 95
6) Bromomethane	3.47	94	490716	8.875	ppbv 97
7) Chloroethane	3.56	64	283717	8.912	ppbv 98
8) Dichlorotetrafluoroethane	3.18	85	1959048	8.578	ppbv 98
9) Propene	3.01	41	706379	8.173	ppbv 100
10) Heptane	8.11	43	1747227	8.655	ppbv 98
11) Trichlorofluoromethane	3.94	101	1928737	8.783	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1417664	8.879	ppbv 98
13) Ethanol	3.61	45	85786	6.590	ppbv 92
14) Bromoethene	3.73	108	654222	9.178	ppbv 99
15) Acetone	3.84	43	953854	7.469	ppbv 98
16) 1,3-Butadiene	3.32	39	716373	8.708	ppbv 99
17) tert-Butyl alcohol	4.29	59	1161903	9.059	ppbv 100
18) 1,1-Dichloroethene	4.28	96	661437	9.069	ppbv 94
19) Isopropyl Alcohol	3.96	45	658794	9.321	ppbv 100
20) Methylene Chloride	4.34	84	574105	5.430	ppbv 99
21) Allyl Chloride	4.41	41	889804	8.608	ppbv 96
22) trans-1,2-Dichloroethene	4.88	96	633445	9.534	ppbv 96
23) Vinyl Acetate	5.07	43	1730883	8.976	ppbv 100
24) 1,1-Dichloroethane	5.01	63	1453386	8.814	ppbv 100
25) Ethyl Acetate	5.67	43	2712618	8.168	ppbv 99
26) Hexane	5.68	57	1345247	7.240	ppbv 99
27) Carbon Disulfide	4.55	76	1458638	9.646	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	1705755	8.644	ppbv 100
29) Chloroform	5.74	83	2048616	8.705	ppbv 98
30) Cyclohexane	7.12	84	1228578	8.573	ppbv 98
31) cis-1,2-Dichloroethene	5.54	61	1300950	9.014	ppbv 99
32) 1,1,1-Trichloroethane	6.50	97	2089290	9.311	ppbv 99
34) 2-Butanone	5.24	43	1174300	8.761	ppbv 99
35) Carbon Tetrachloride	7.01	117	2178742	9.452	ppbv 99
36) Benzene	6.88	78	2906574	8.361	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1454111	9.094	ppbv 99
38) Trichloroethene	7.83	130	1254071	8.243	ppbv 98
39) 1,2-Dichloropropane	7.60	63	1082878	8.365	ppbv 96
40) 1,4-Dioxane	7.83	88	309994m	8.324	ppbv
41) Tetrahydrofuran	6.04	42	658915	8.839	ppbv 99
42) Bromodichloromethane	7.78	83	2194543	9.117	ppbv 99
43) Methyl Methacrylate	8.01	69	1050096	8.902	ppbv 98

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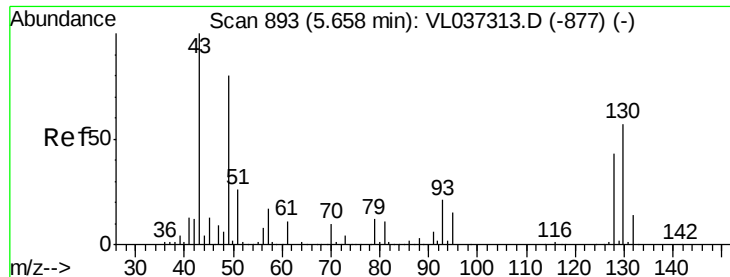
Manual Integrations
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Quant Time: Aug 05 04:08:25 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 0
 QLast Update : Wed Aug 04 22:53:01 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4652990	8.097	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	968050	10.391	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1288661	9.608	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1171297	8.511	ppbv	97
48) Dibromochloromethane	10.29	129	1943385	9.528	ppbv	99
49) Bromoform	13.03	173	1508172	9.862	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	1794931	8.745	ppbv	98
51) 2-Hexanone	10.13	43	883195	9.464	ppbv #	99
52) Tetrachloroethene	11.21	164	1187886	7.934	ppbv	97
53) Toluene	9.80	91	3454498	8.418	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1712335	8.959	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1310208	8.999	ppbv	98
57) Chlorobenzene	12.14	112	2465875	8.660	ppbv	99
58) Ethyl Benzene	12.70	91	4176028	8.430	ppbv	99
59) m/p-Xylene	12.99	91	7352338m	17.620	ppbv	
60) o-Xylene	13.68	91	3321526	8.759	ppbv	95
61) Styrene	13.52	104	1975511	9.503	ppbv	96
62) Isopropylbenzene	14.65	105	4834351	8.780	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.66	83	2317351	8.416	ppbv	100
64) n-propylbenzene	15.55	120	1300585	9.033	ppbv	97
65) tert-Butylbenzene	16.73	119	4391527	8.648	ppbv	100
66) Benzyl Chloride	16.97	91	206386	10.456	ppbv	99
67) sec-Butylbenzene	17.28	105	5930137	8.658	ppbv	100
69) p-Isopropyltoluene	17.64	119	5153033	8.944	ppbv	99
70) n-Butylbenzene	18.54	91	4865028	9.232	ppbv	100
71) 2-Chlorotoluene	15.44	91	3390109	8.811	ppbv	100
72) 4-Ethyltoluene	15.82	105	4240790	9.264	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	3723796	9.048	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	3951352	8.996	ppbv	99
75) 1,3-Dichlorobenzene	16.98	146	2521706	9.339	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2473482	9.236	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2424801	9.221	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2003074	8.482	ppbv	99
79) Naphthalene	22.18	128	4330214	10.741	ppbv	100
80) Naphthalene, 2-methyl-	24.96	142	995373	15.193	ppbv	99
81) 1,2,4-Trichlorobenzene	21.91	180	2352237	10.044	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.00 min

Lab File: VL037322.D

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Instrument :

MSVOA_L

ClientSampleId :

VL0804ABS01

Tot Ion: 49 Resp: 1175633

Ion Ratio Lower Upper

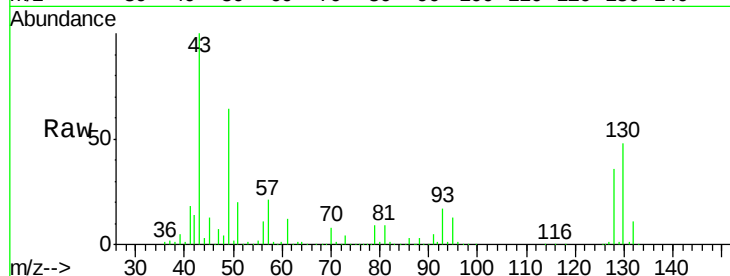
49 100

128 62.9 29.8 89.5

130 78.5 37.5 112.7

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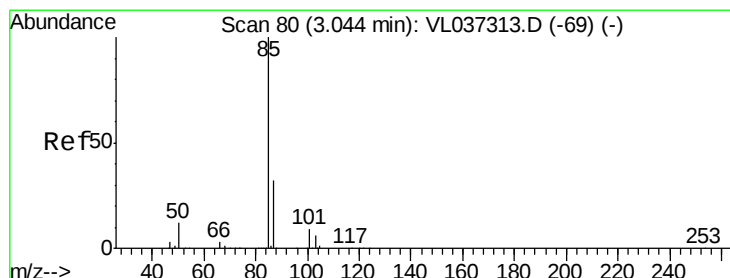
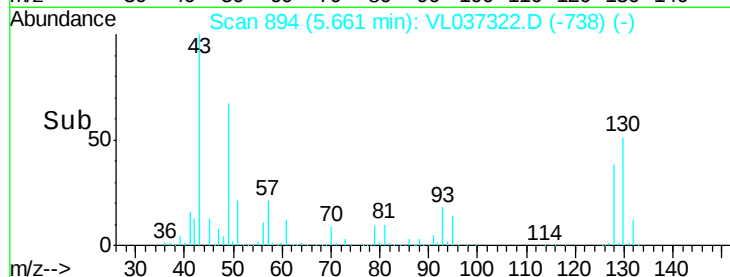
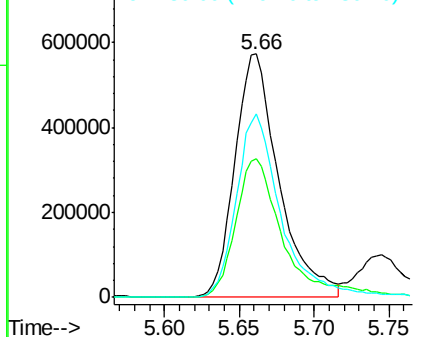
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 7.775 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL037322.D

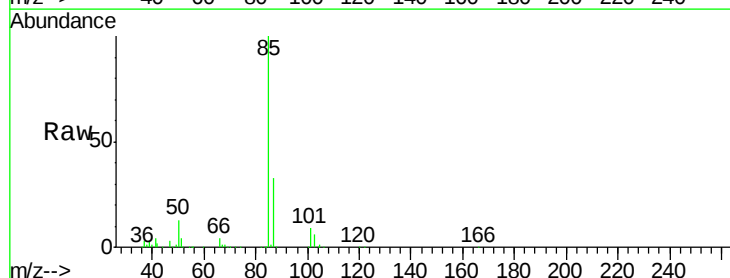
Acq: 5 Aug 2021 00:31

Tgt Ion: 85 Resp: 1855918

Ion Ratio Lower Upper

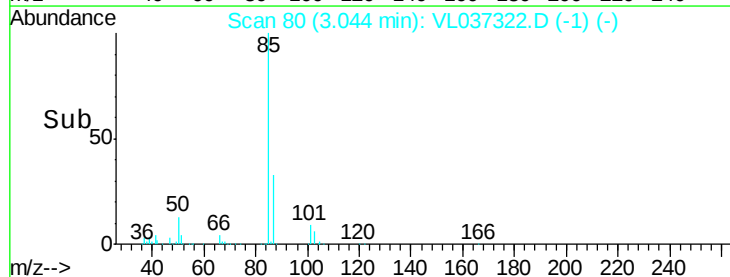
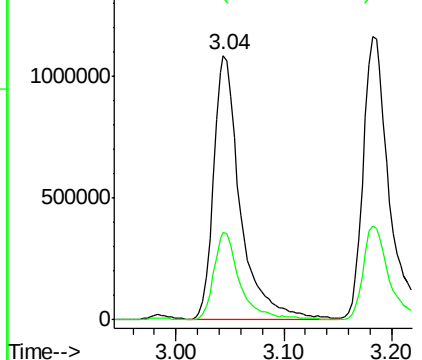
85 100

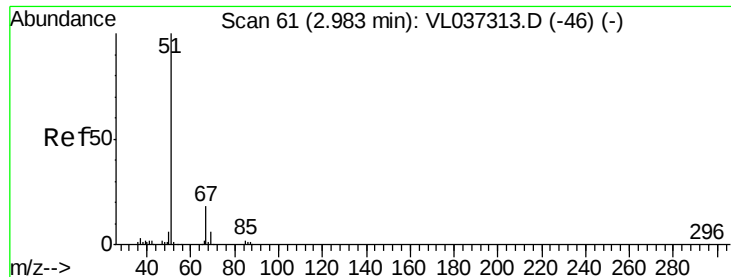
87 33.0 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





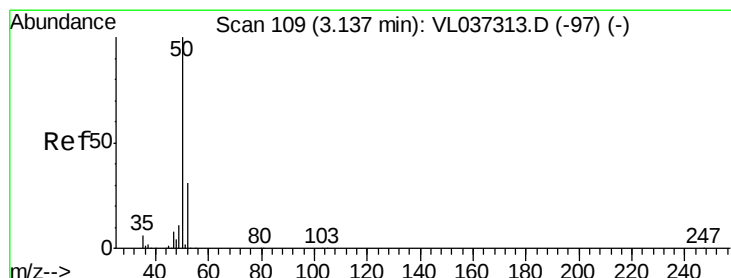
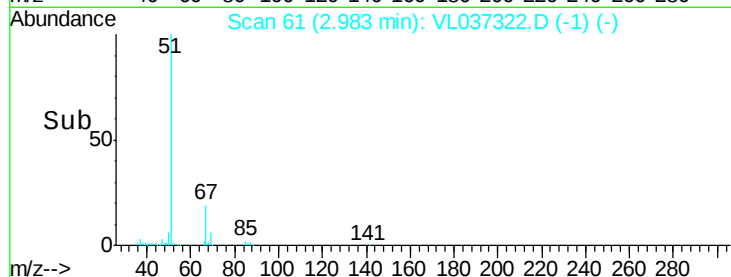
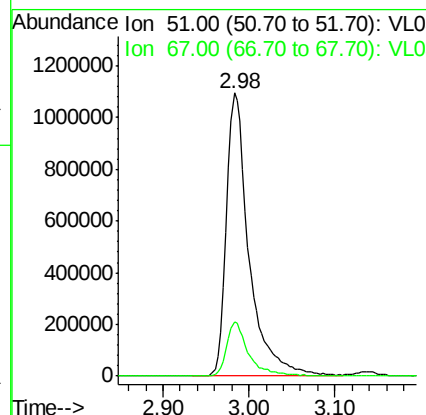
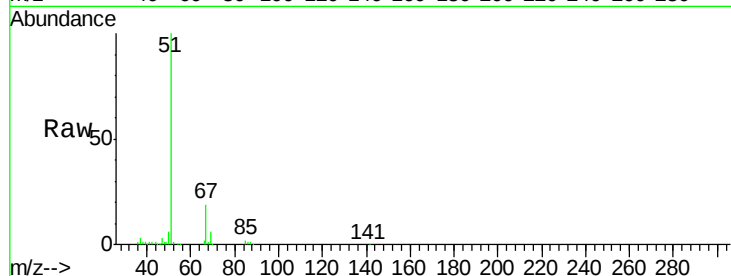
#3
Chlorodifluoromethane
Concen: 8.414 ppbv
RT: 2.98 min Scan# 61
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Instrument :
MSVOA_L
ClientSampleId :
VL0804ABS01

Tot Ion: 51 Resp: 2011231
Ion Ratio Lower Upper
51 100
67 18.7 14.2 21.2

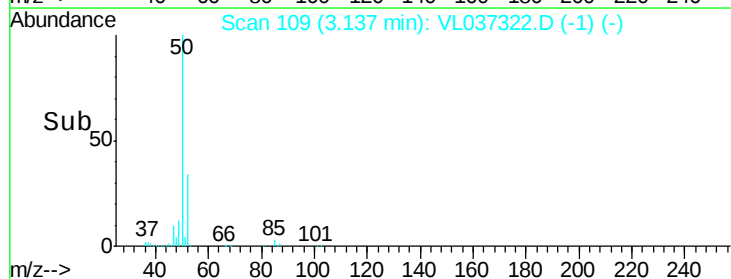
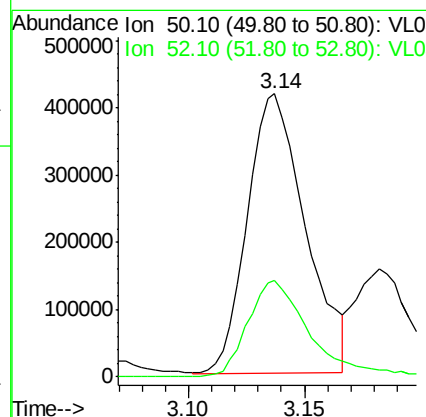
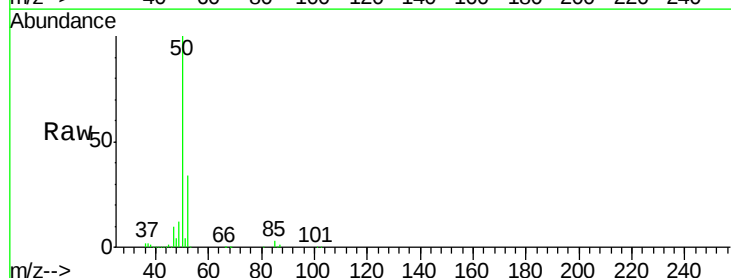
Manual Integrations
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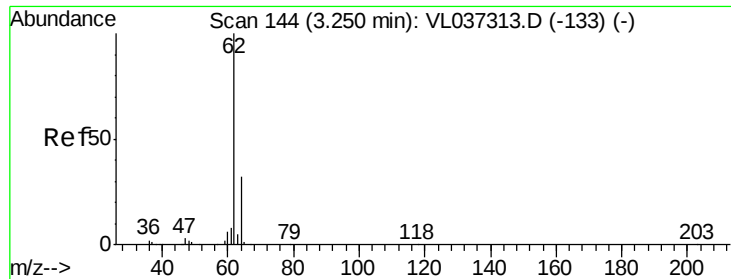
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#4
Chloromethane
Concen: 8.490 ppbv
RT: 3.14 min Scan# 109
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Tgt Ion: 50 Resp: 726799
Ion Ratio Lower Upper
50 100
52 34.3 25.1 37.7





#5

Vinyl Chloride

Concen: 9.034 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

ClientSampleId :

VL0804ABS01

Tot Ion: 62 Resp: 809418

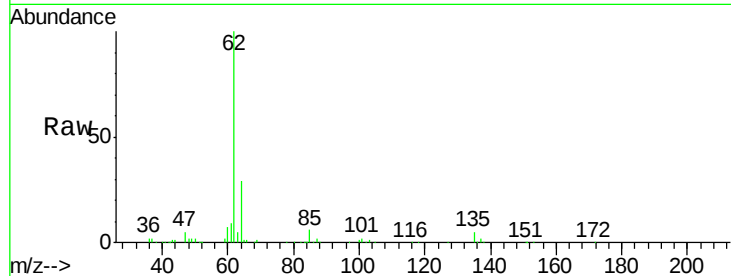
Ion Ratio Lower Upper

62 100

64 29.5 25.7 38.5

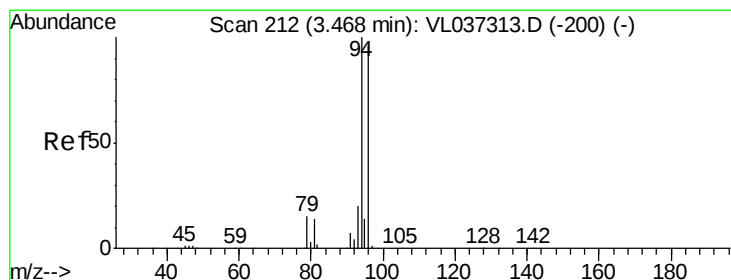
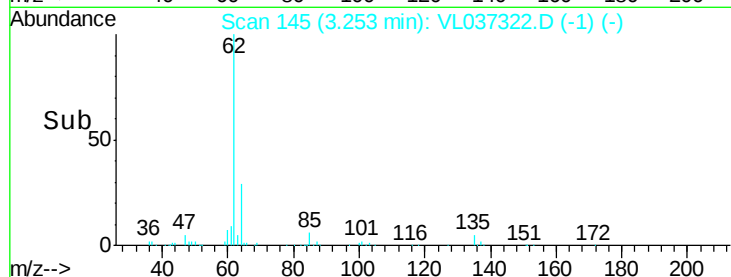
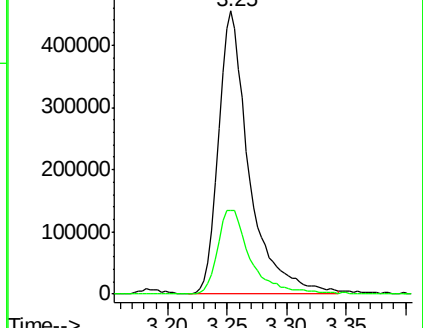
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.875 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.00 min

Lab File: VL037322.D

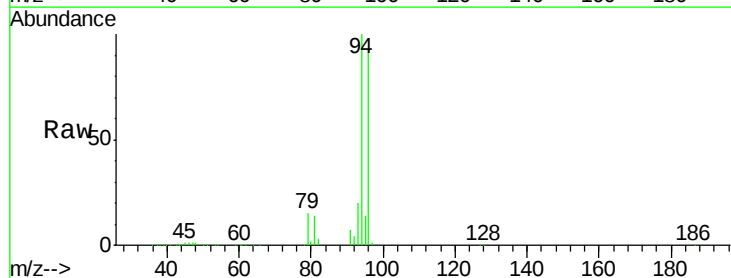
Acq: 5 Aug 2021 00:31

Tgt Ion: 94 Resp: 490716

Ion Ratio Lower Upper

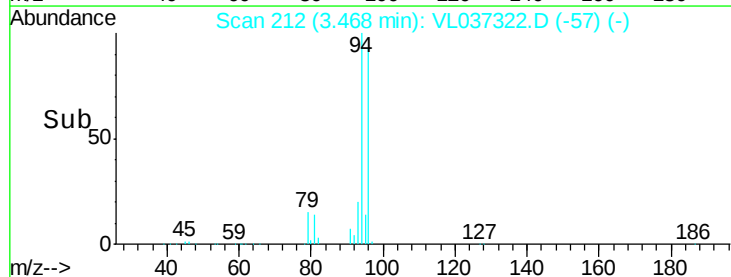
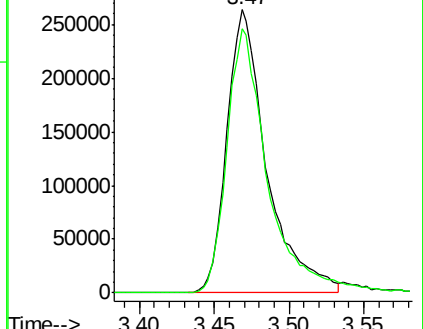
94 100

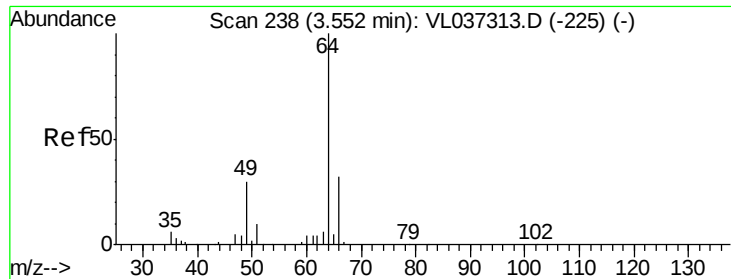
96 93.4 76.7 115.1



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.912 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

ClientSampleId :

VL0804ABS01

Tot Ion: 64 Resp: 283717

Ion Ratio Lower Upper

64 100

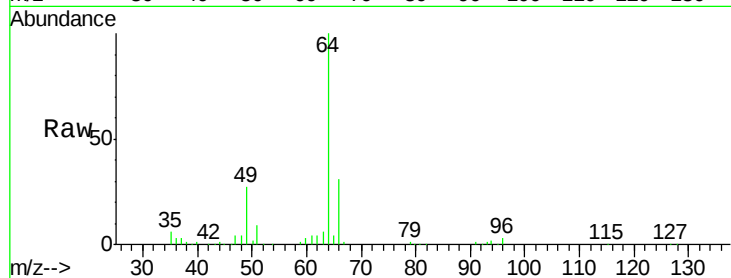
66 30.6 25.5 38.3

Manual Integrations

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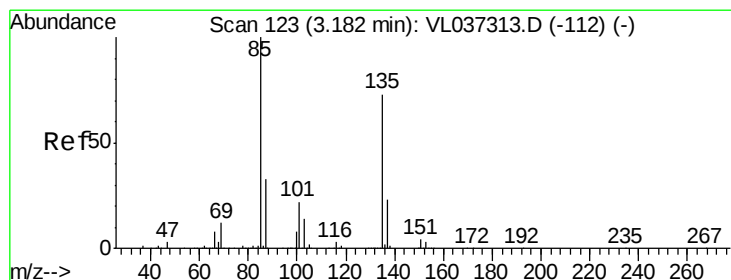
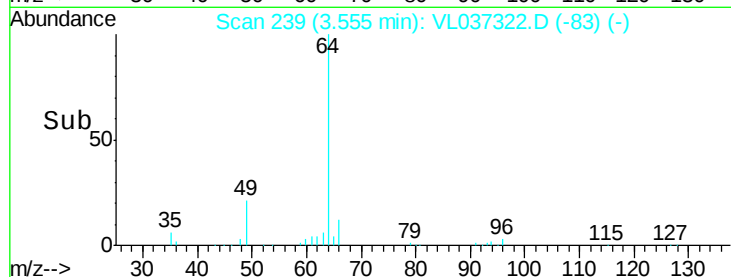
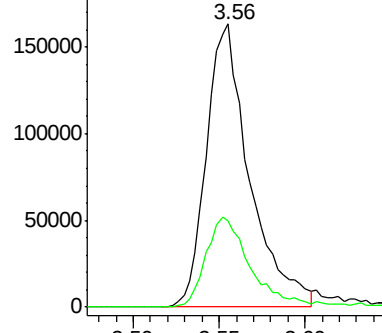
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.578 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL037322.D

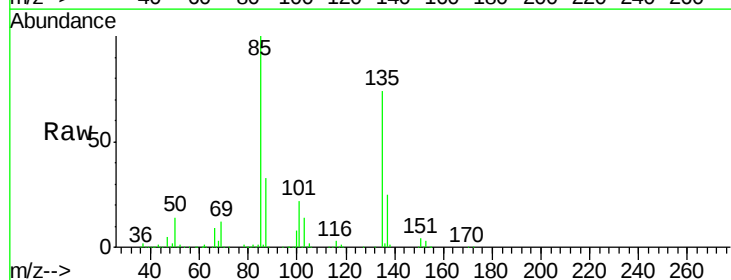
Acq: 5 Aug 2021 00:31

Tgt Ion: 85 Resp: 1959048

Ion Ratio Lower Upper

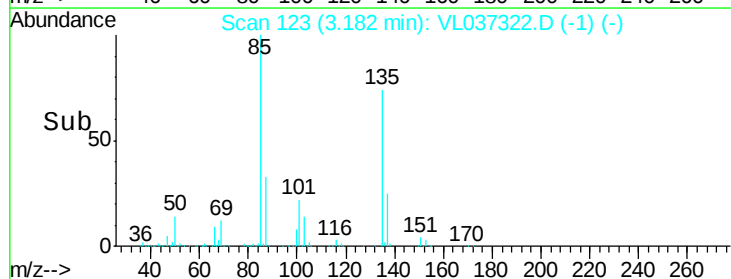
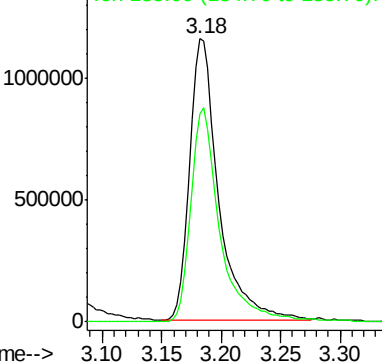
85 100

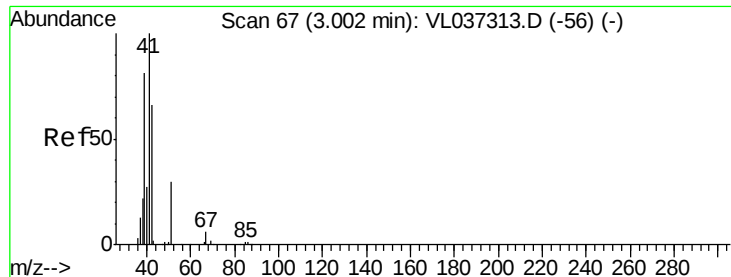
135 77.3 60.6 91.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





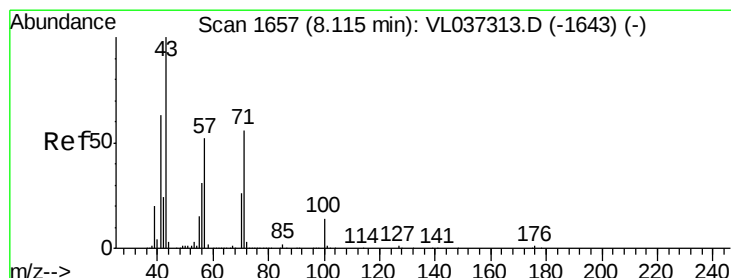
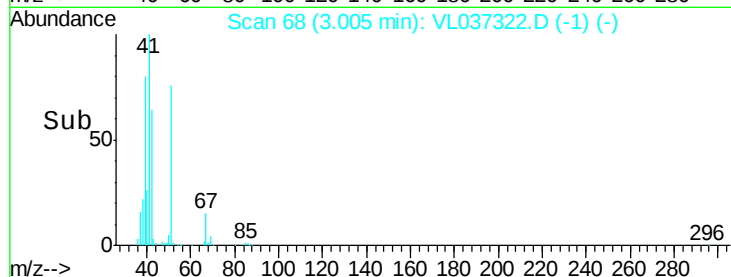
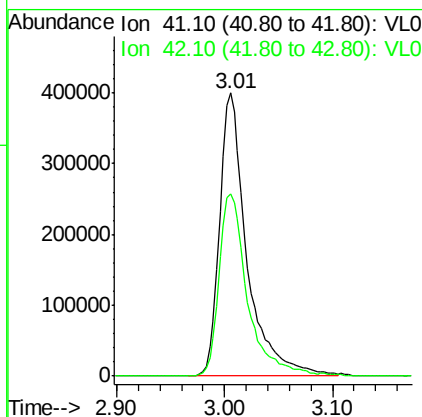
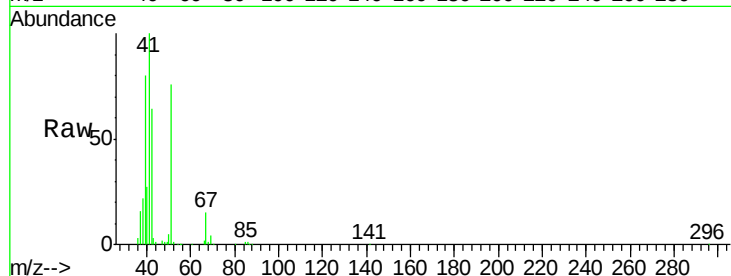
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 Propene
 Concen: 8.173 ppbv
 RT: 3.01 min Scan# 68
 Delta R.T. 0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0804ABS01

Tot Ion: 41 Resp: 706379
 Ion Ratio Lower Upper
 41 100
 42 67.6 53.8 80.8

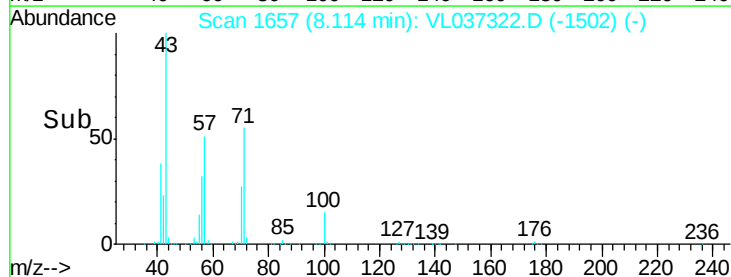
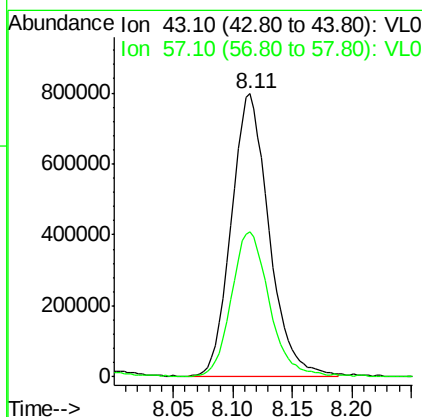
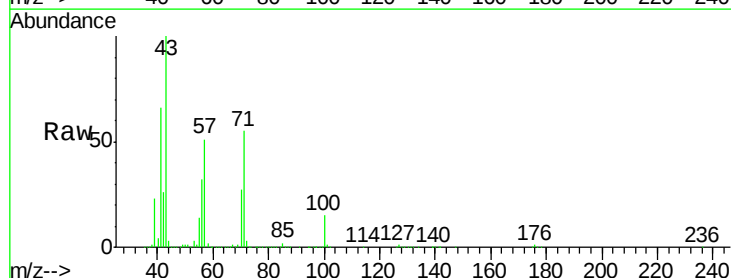
Manual Integrations
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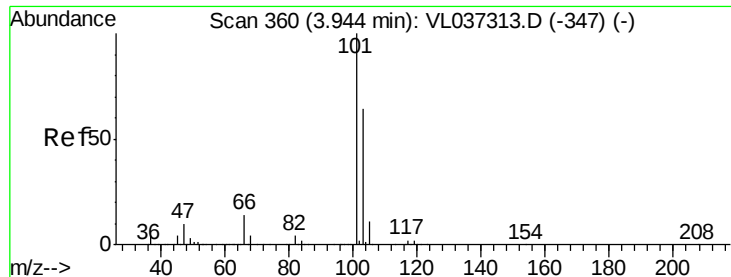
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#10
 Heptane
 Concen: 8.655 ppbv
 RT: 8.11 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Tgt Ion: 43 Resp: 1747227
 Ion Ratio Lower Upper
 43 100
 57 51.8 42.4 63.6





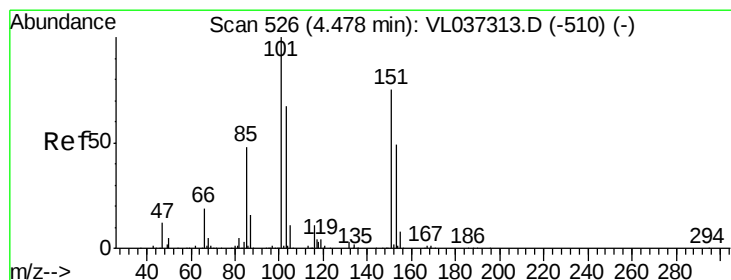
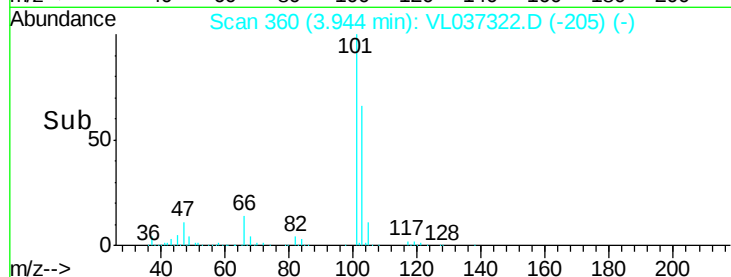
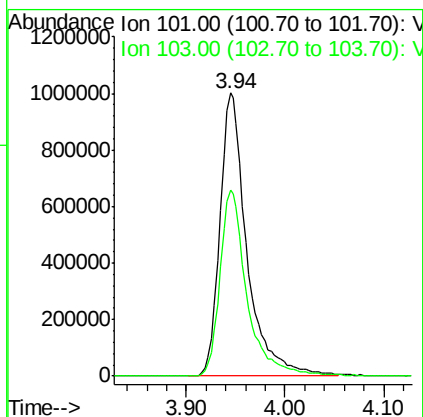
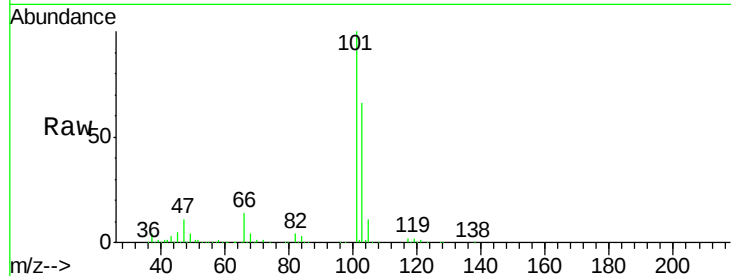
#11
 Trichlorofluoromethane
 Concen: 8.783 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0804ABS01

Tot Ion:101 Resp: 1928737
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.6 77.4

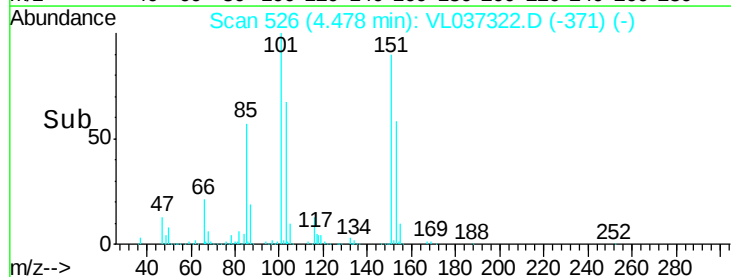
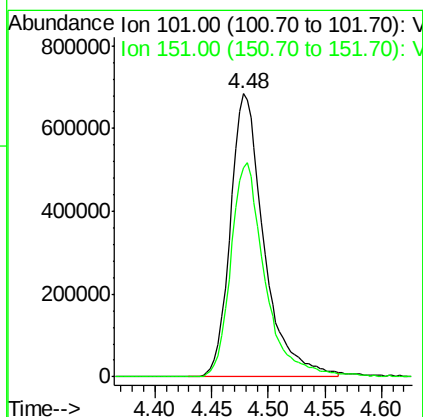
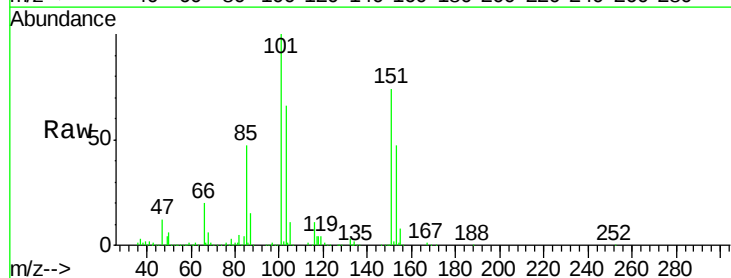
Manual Integrations
 APPROVED

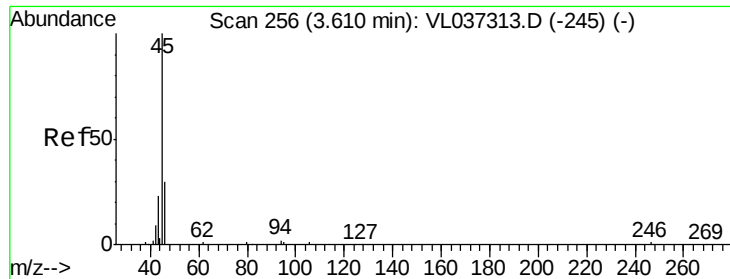
MMDadoda
 8/5/2021 1:40:25 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.879 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Tgt Ion:101 Resp: 1417664
 Ion Ratio Lower Upper
 101 100
 151 77.3 60.6 91.0





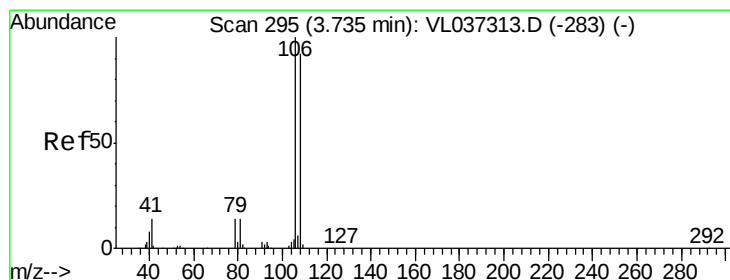
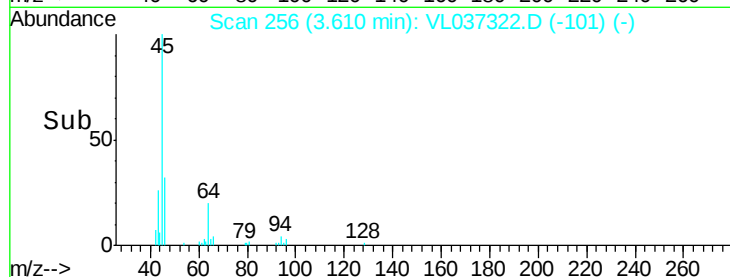
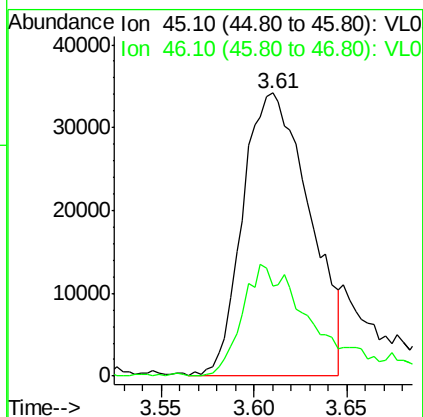
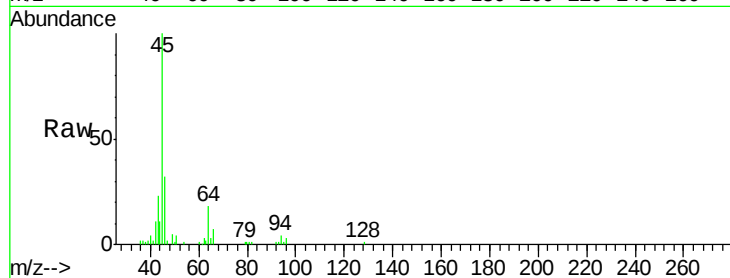
#13
Ethanol
Concen: 6.590 ppbv
RT: 3.61 min Scan# 256
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Instrument :
MSVOA_L
ClientSampleId :
VL0804ABS01

Tot Ion	45	Ratio	Lower	Upper
45	100			
46	46.7	16.6	66.4	

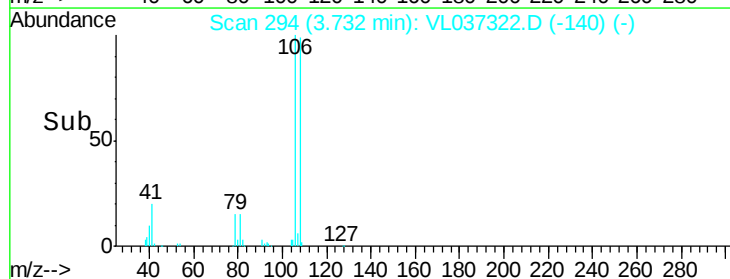
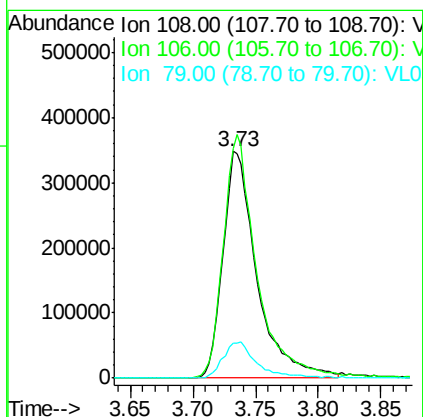
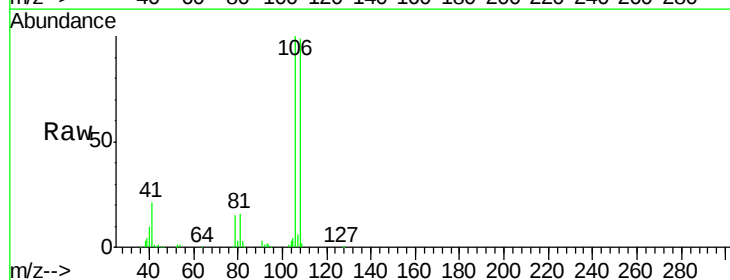
Manual Integrations
APPROVED

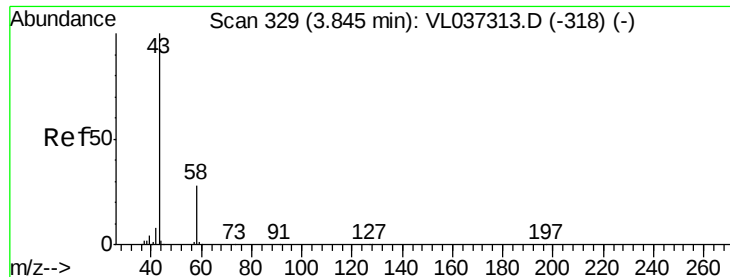
MMDadoda
8/5/2021 1:40:25 PM



#14
Bromoethene
Concen: 9.178 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Tgt Ion	108	Ratio	Lower	Upper
108	100			
106	107.1	86.9	130.3	
79	16.1	12.3	18.5	





#15

Acetone

Concen: 7.469 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

ClientSampleId :

VL0804ABS01

Tot Ion: 43 Resp: 953854

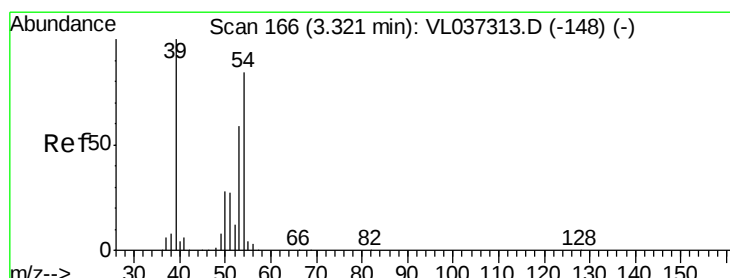
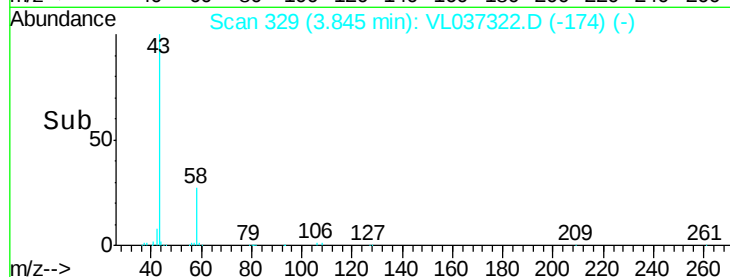
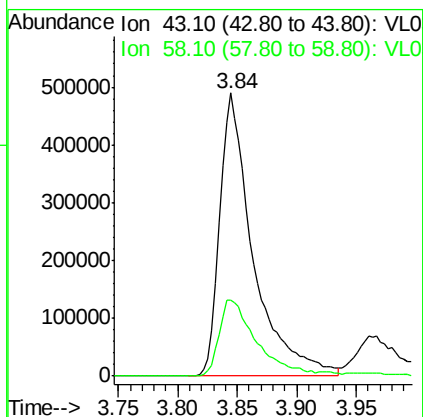
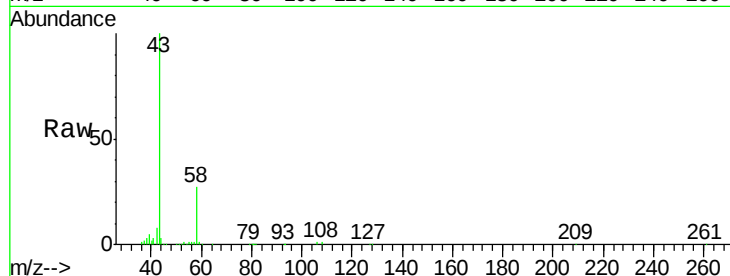
Ion Ratio Lower Upper

43 100

58 32.9 25.3 37.9

Manual Integrations
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#16

1,3-Butadiene

Concen: 8.708 ppbv

RT: 3.32 min Scan# 167

Delta R.T. 0.00 min

Lab File: VL037322.D

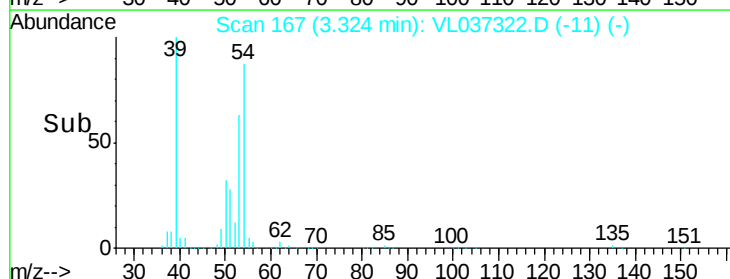
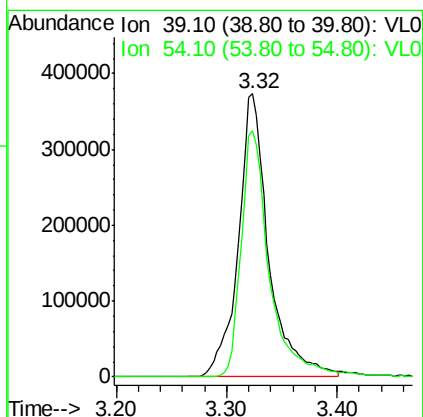
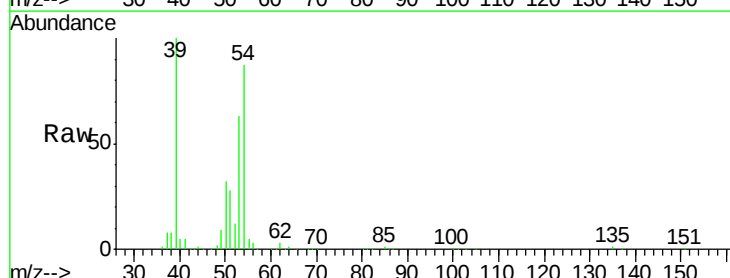
Acq: 5 Aug 2021 00:31

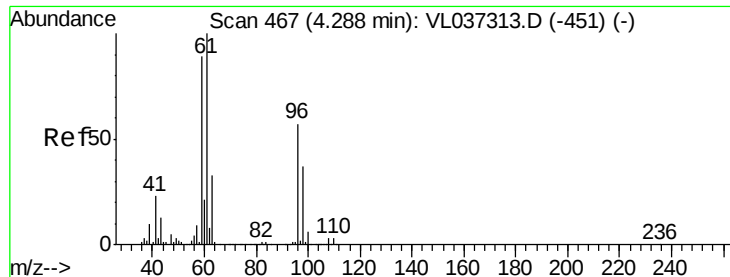
Tgt Ion: 39 Resp: 716373

Ion Ratio Lower Upper

39 100

54 81.9 66.1 99.1





#17

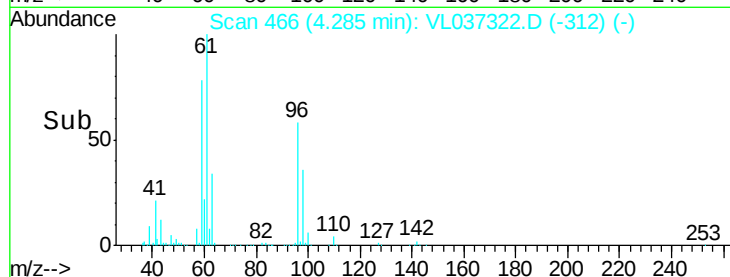
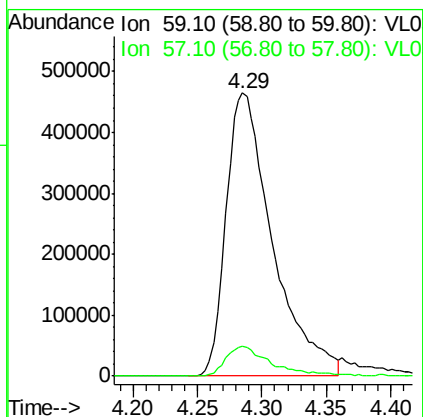
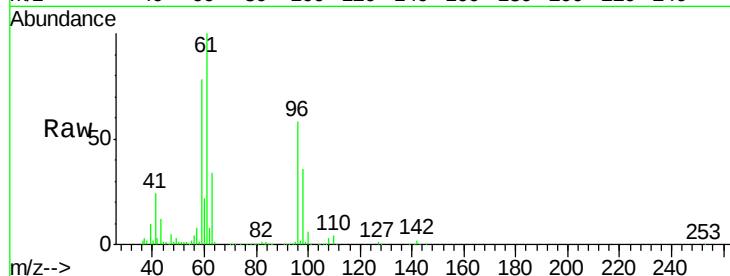
tert-Butyl alcohol
Concen: 9.059 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Instrument :
MSVOA_L
ClientSampleId :
VL0804ABS01

Tot Ion: 59 Resp: 1161903
Ion Ratio Lower Upper
59 100
57 10.8 8.6 12.8

Manual Integrations
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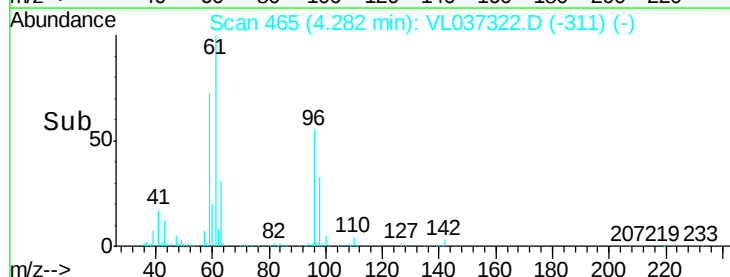
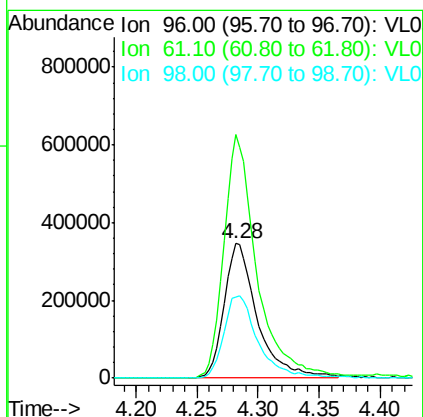
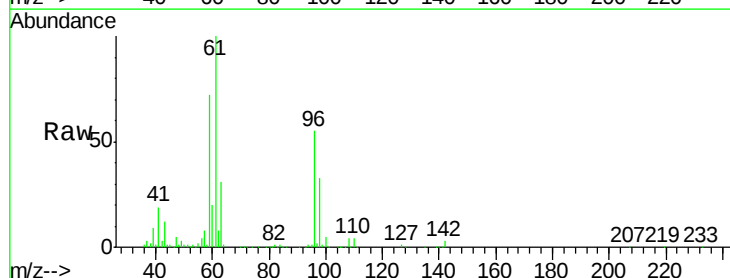
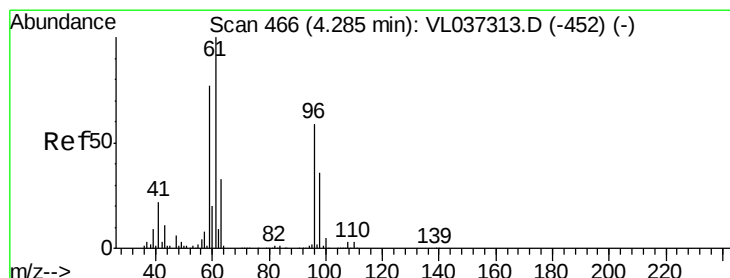
MMDadoda
8/5/2021 1:40:25 PM

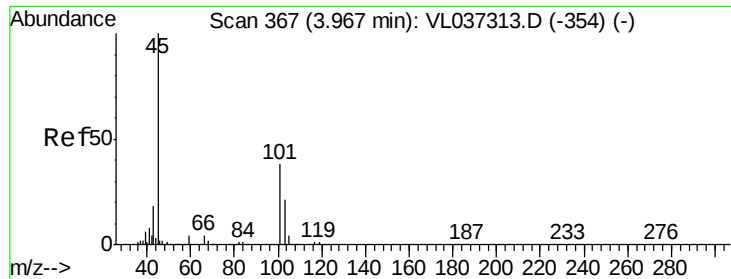


#18

1,1-Dichloroethene
Concen: 9.069 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Tgt Ion: 96 Resp: 661437
Ion Ratio Lower Upper
96 100
61 181.3 135.7 203.5
98 60.5 48.6 72.8





#19

Isopropyl Alcohol

Concen: 9.321 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

ClientSampleId :

VL0804ABS01

Tot Ion: 45 Resp: 658794

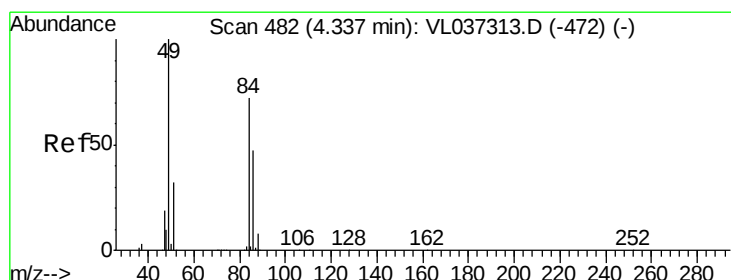
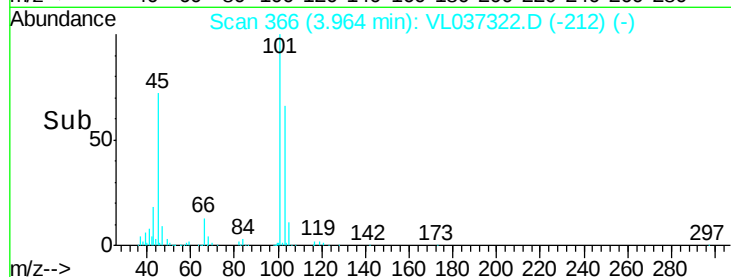
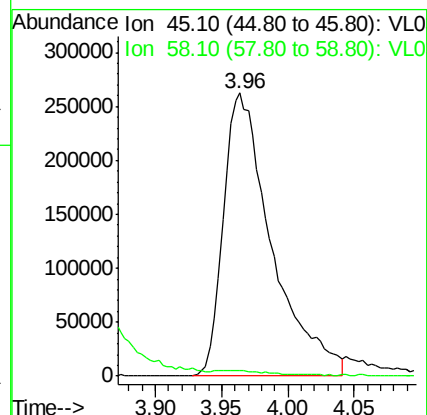
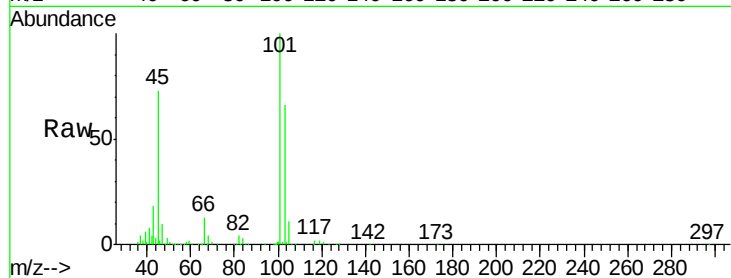
Ion Ratio Lower Upper

45 100

58 2.2 1.8 2.8

Manual Integrations
APPROVED

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#20

Methylene Chloride

Concen: 5.430 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Tgt Ion: 84 Resp: 574105

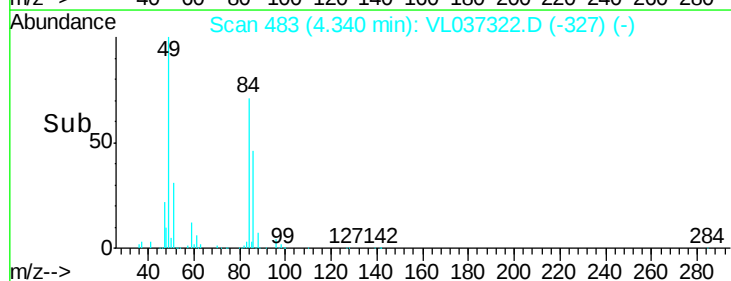
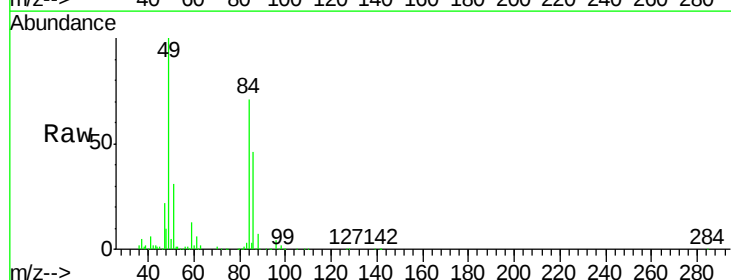
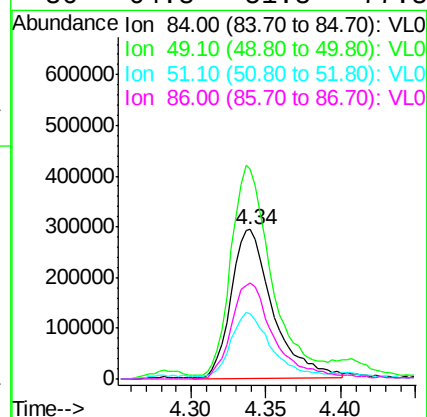
Ion Ratio Lower Upper

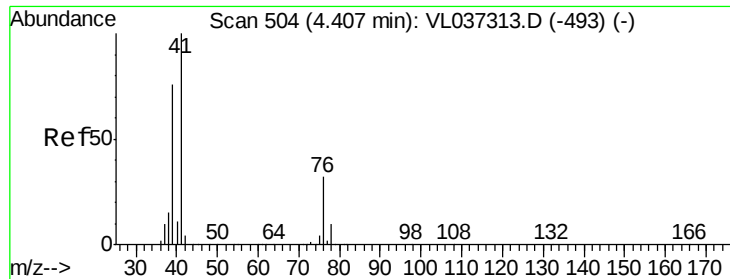
84 100

49 139.1 110.4 165.6

51 42.5 35.8 53.6

86 64.8 51.8 77.8





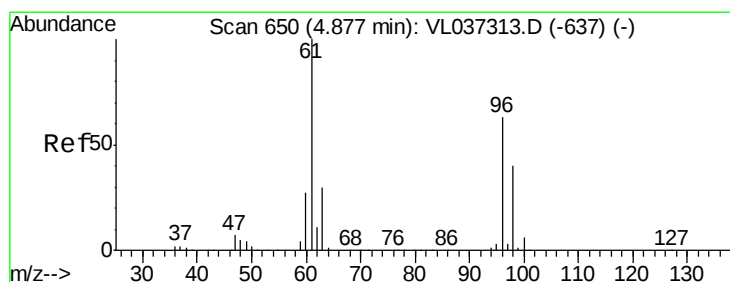
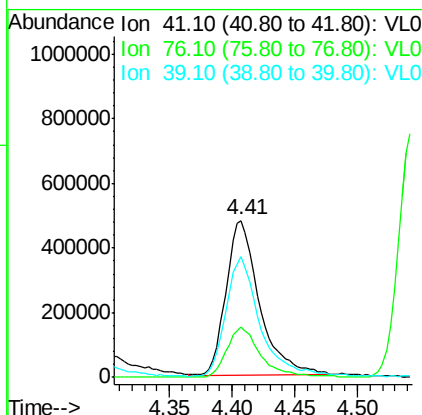
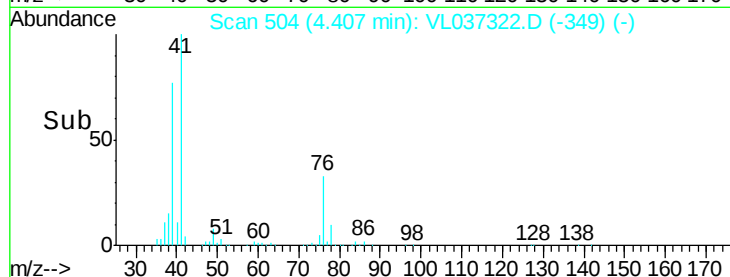
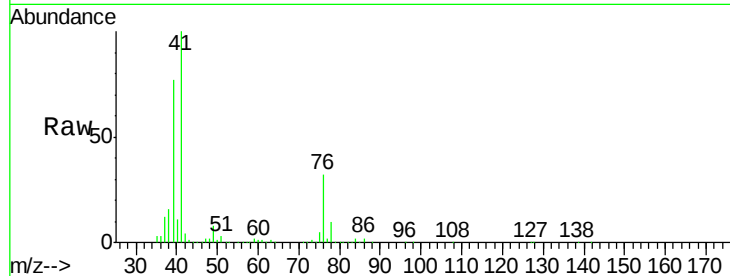
#21
Allvl Chloride
Concen: 8.608 ppbv
RT: 4.41 min Scan# 504
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Instrument :
MSVOA_L
ClientSampleId :
VL0804ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	33.0	25.7	38.5
39	78.5	59.0	88.4

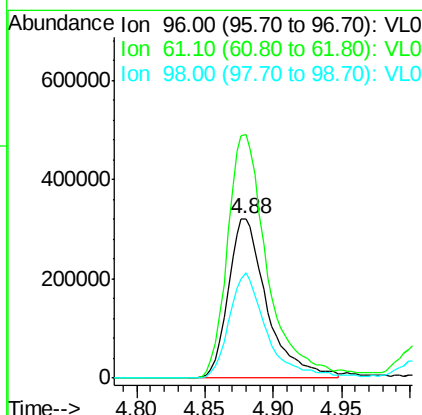
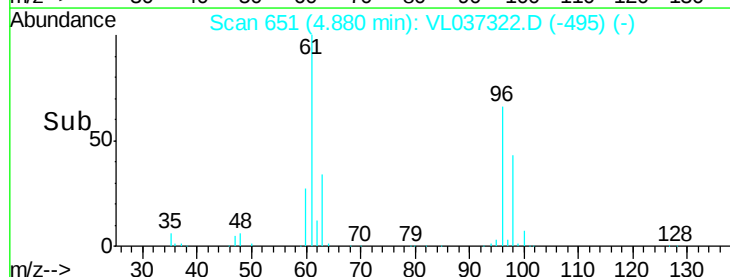
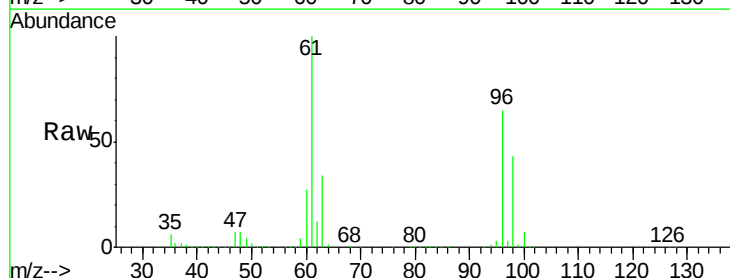
Manual Integrations
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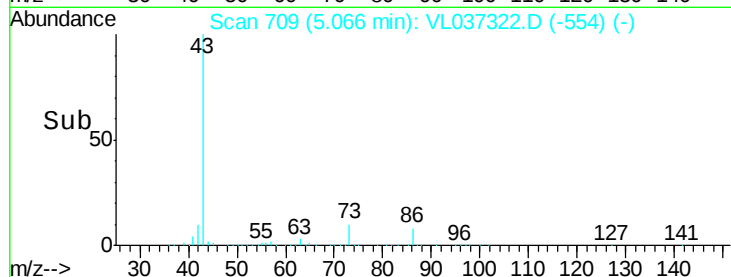
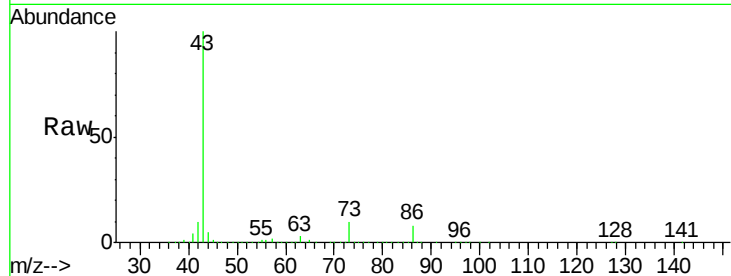
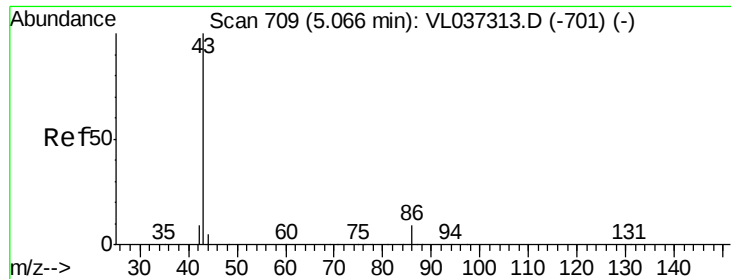
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 9.534 ppbv
RT: 4.88 min Scan# 651
Delta R.T. 0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.9	126.7	190.1
98	66.0	50.9	76.3





#23

Vinyl Acetate

Concen: 8.976 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Tot Ion: 43 Resp: 1730883

Ion Ratio Lower Upper

43 100

86 7.8 6.2 9.2

42 9.4 7.7 11.5

44 4.9 3.7 5.5

Instrument :

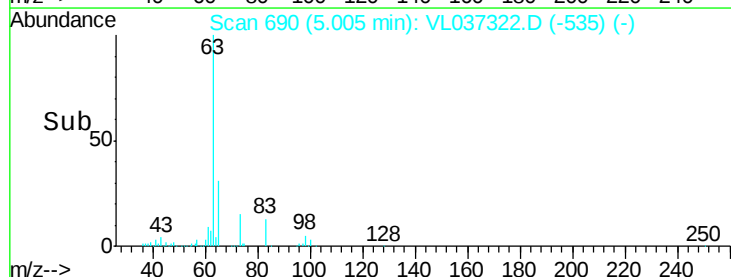
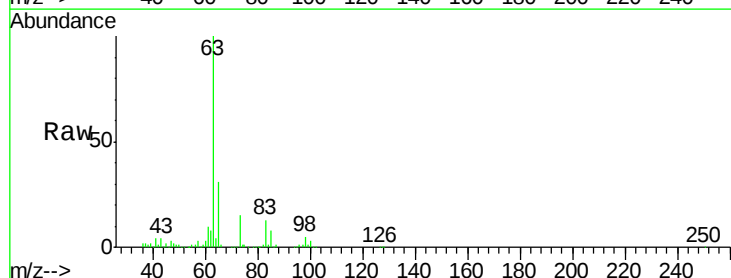
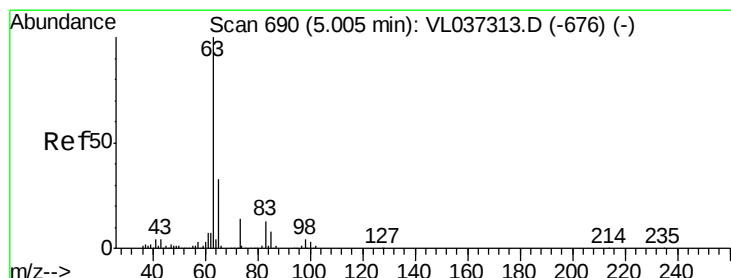
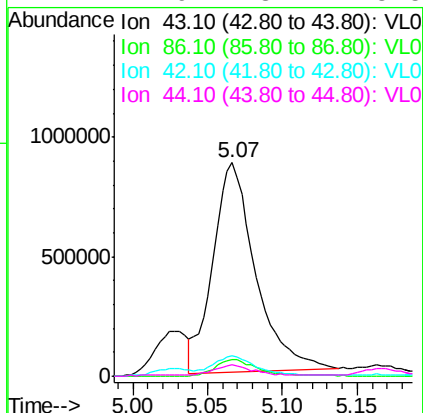
MSVOA_L

ClientSampled :

VL0804ABS01

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 8.814 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

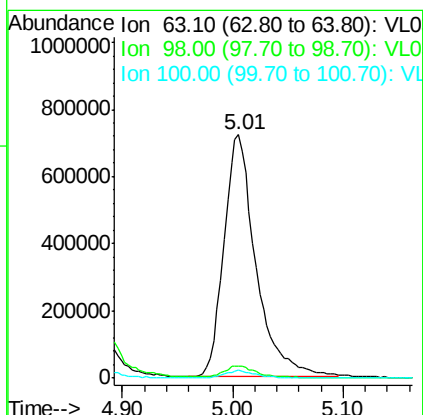
Tgt Ion: 63 Resp: 1453386

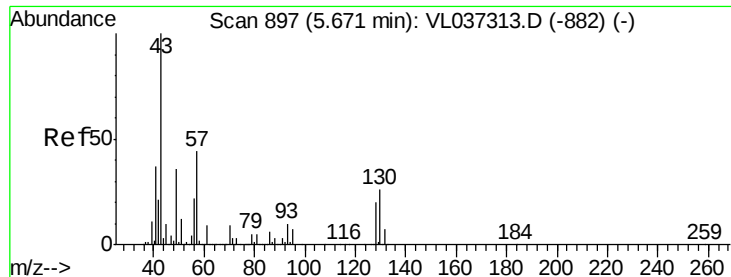
Ion Ratio Lower Upper

63 100

98 4.9 2.4 7.2

100 3.0 1.5 4.4





#25

Ethyl Acetate

Concen: 8.168 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

ClientSampleId :

VL0804ABS01

Tot Ion: 43 Resp: 2712618

Ion Ratio Lower Upper

43 100

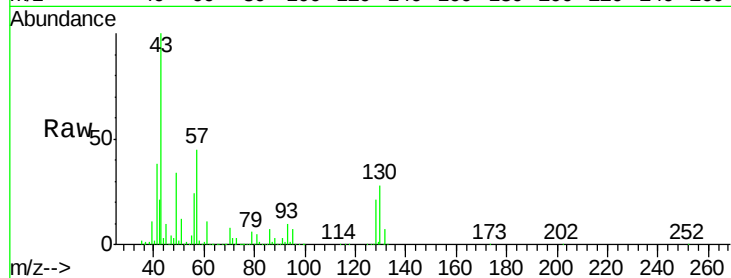
45 9.9 7.8 11.8

61 10.1 8.6 12.8

70 7.1 5.9 8.9

Manual Integrations
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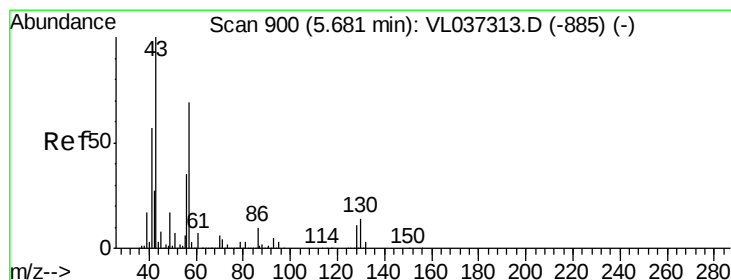
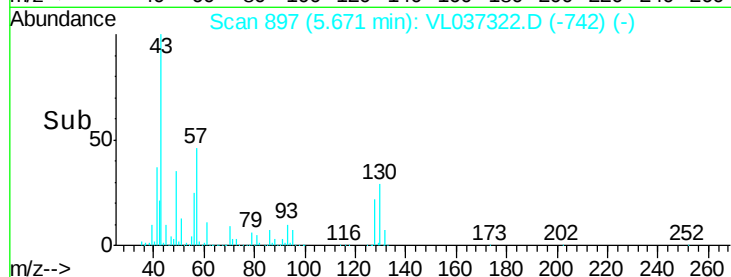
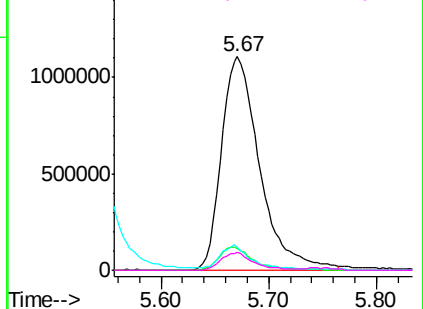


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 7.240 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Tgt Ion: 57 Resp: 1345247

Ion Ratio Lower Upper

57 100

41 86.2 67.5 101.3

43 205.4 163.0 244.4

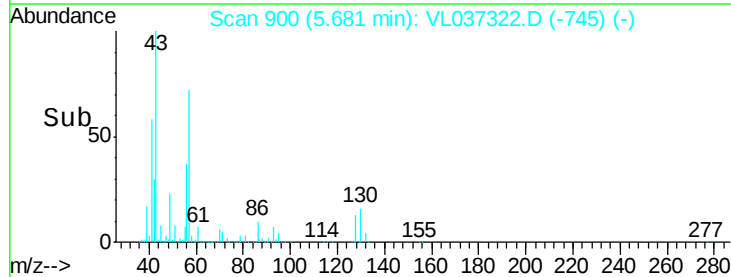
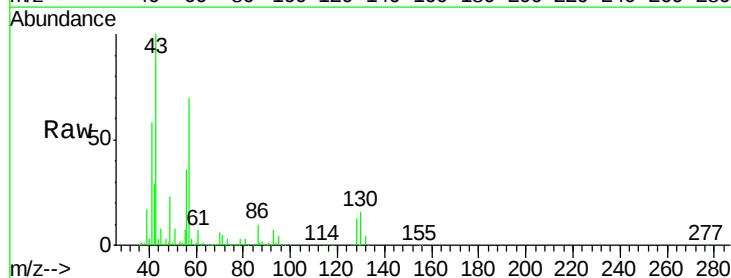
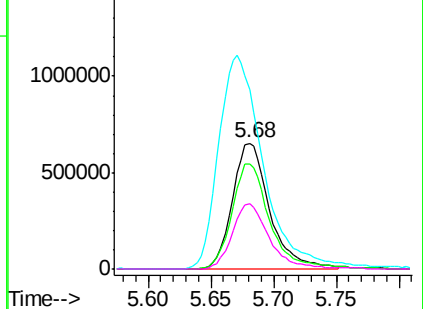
56 52.4 41.5 62.3

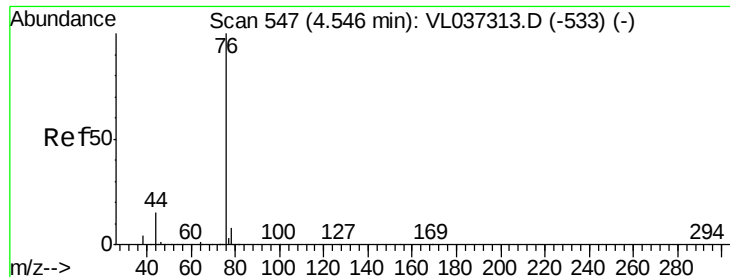
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





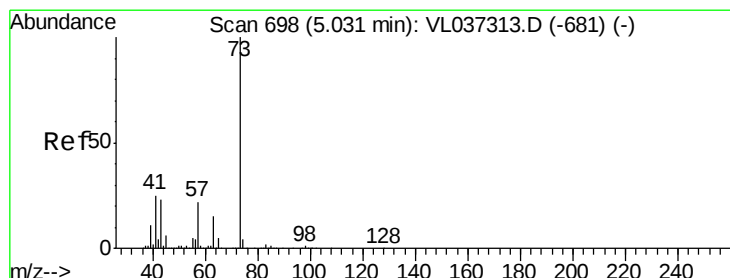
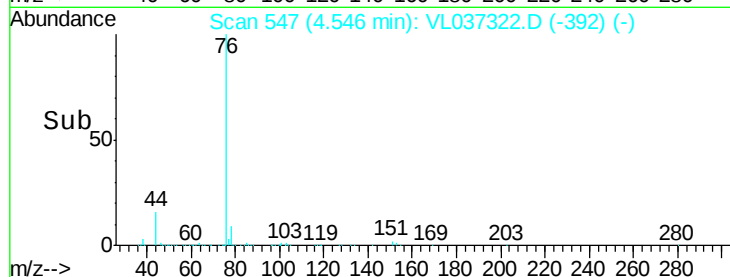
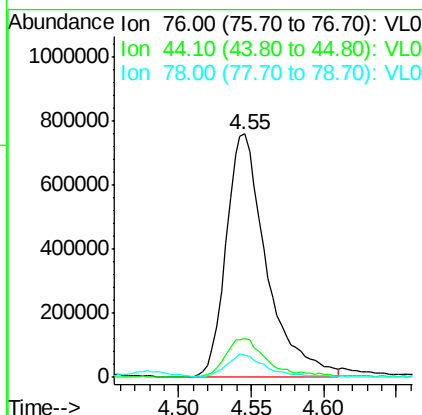
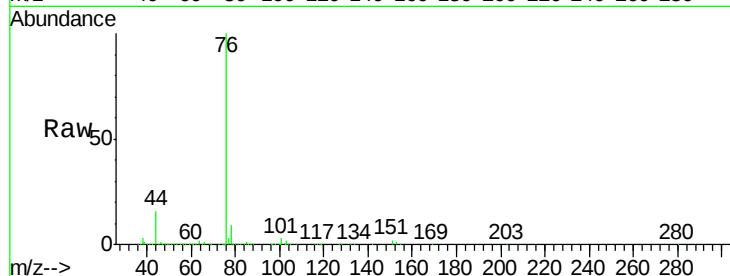
#27
Carbon Disulfide
Concen: 9.646 ppbv
RT: 4.55 min Scan# 547
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Instrument :
MSVOA_L
ClientSampleId :
VL0804ABS01

Tot Ion: 76 Resp: 1458638
Ion Ratio Lower Upper
76 100
44 16.9 13.1 19.7
78 10.1 8.0 12.0

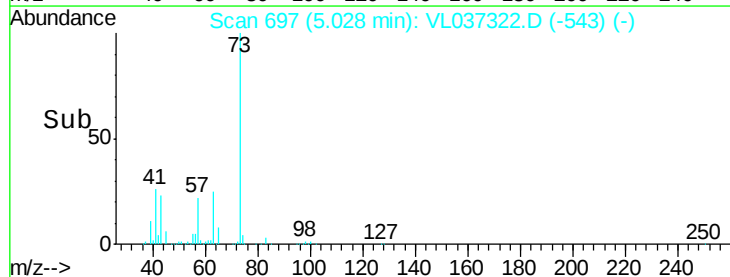
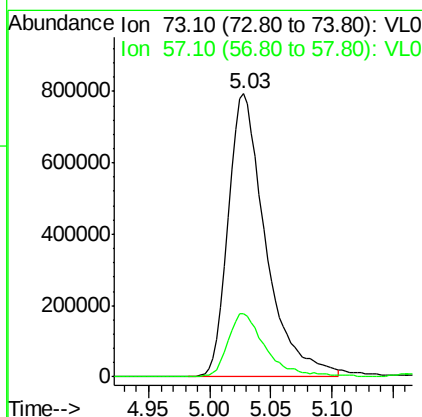
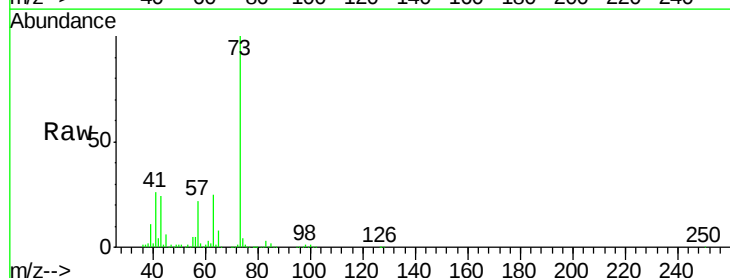
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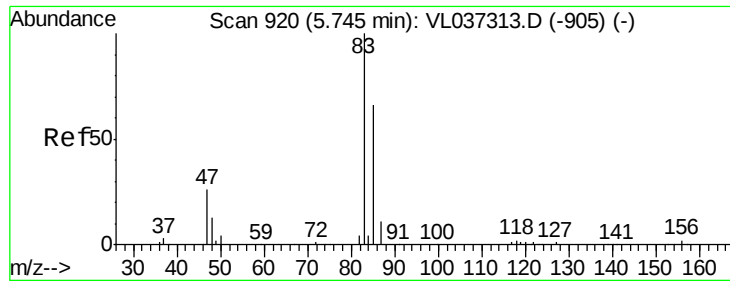
MMDadoda
8/5/2021 1:40:25 PM



#28
Methyl tert-Butyl Ether
Concen: 8.644 ppbv
RT: 5.03 min Scan# 697
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Tgt Ion: 73 Resp: 1705755
Ion Ratio Lower Upper
73 100
57 22.6 18.2 27.4





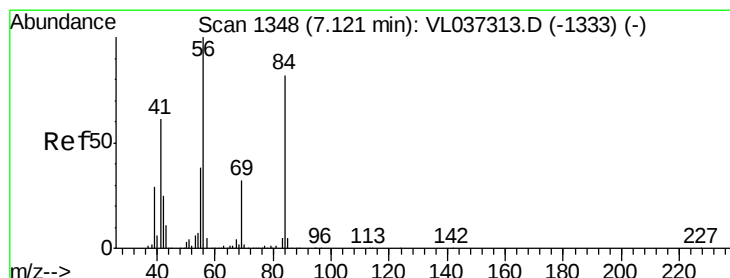
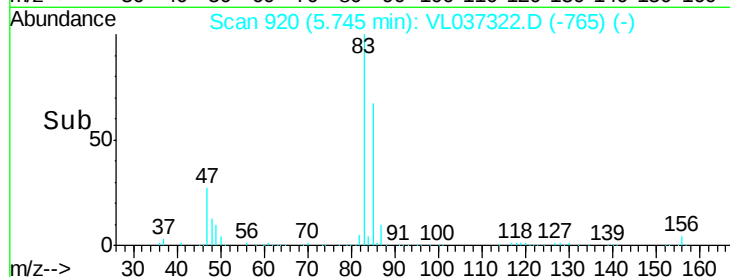
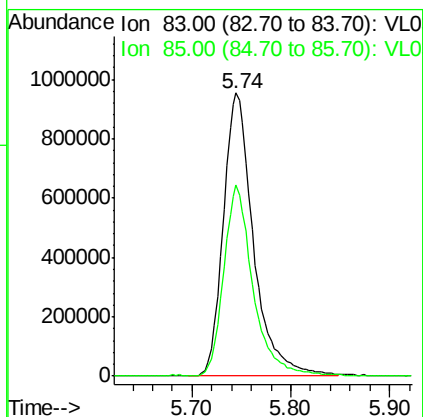
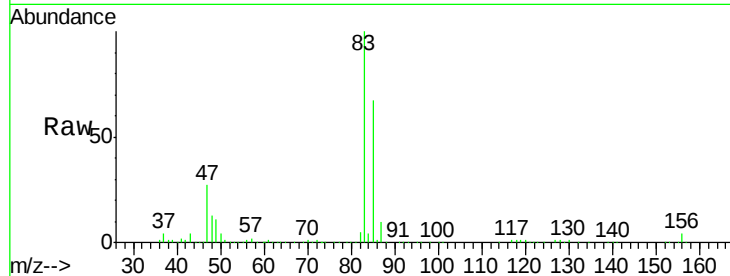
#29
Chloroform
Concen: 8.705 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Instrument :
MSVOA_L
ClientSampleId :
VL0804ABS01

Tot Ion: 83 Resp: 2048616
Ion Ratio Lower Upper
83 100
85 67.2 52.6 79.0

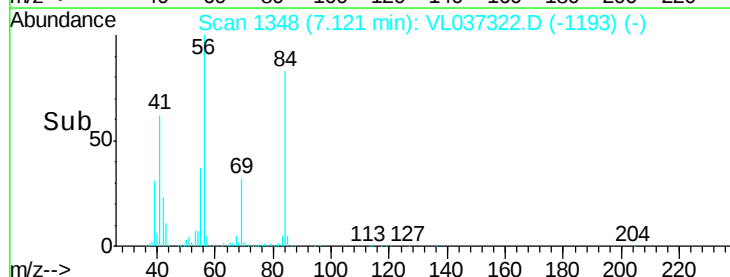
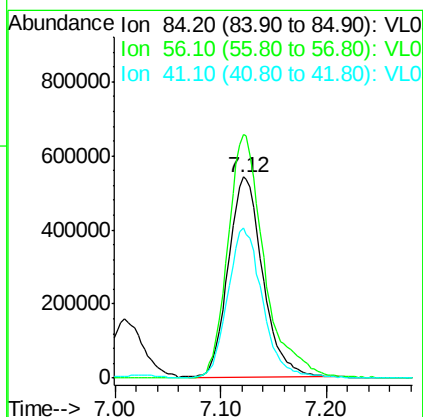
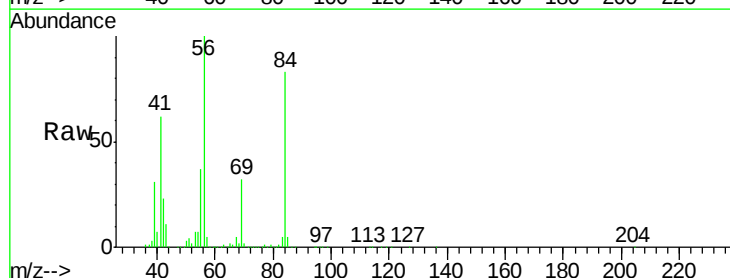
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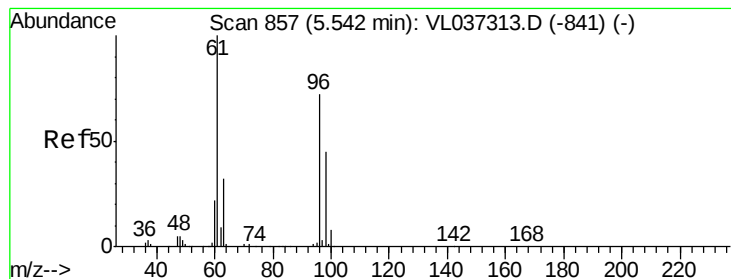
MMDadoda
8/5/2021 1:40:25 PM



#30
Cyclohexane
Concen: 8.573 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Tgt Ion: 84 Resp: 1228578
Ion Ratio Lower Upper
84 100
56 128.8 105.2 157.8
41 75.6 61.3 91.9





#31

cis-1,2-Dichloroethene

Concen: 9.014 ppbv

RT: 5.54 min Scan# 857

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

ClientSampleId :

VL0804ABS01

Tot Ion: 61 Resp: 1300950

Ion Ratio Lower Upper

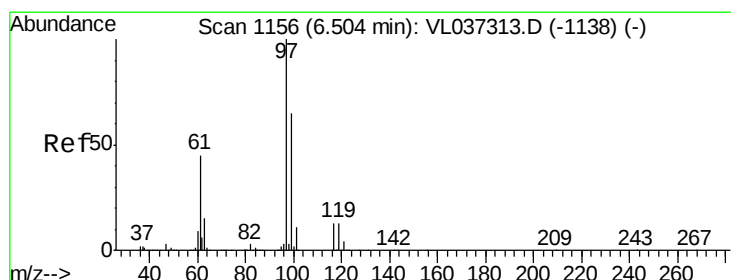
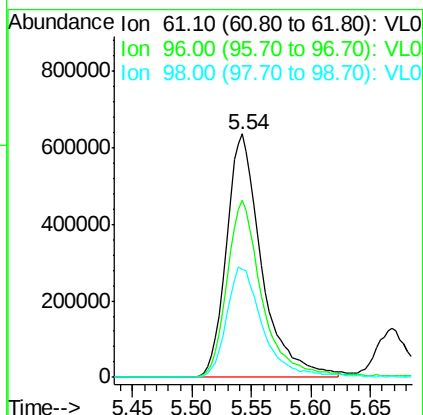
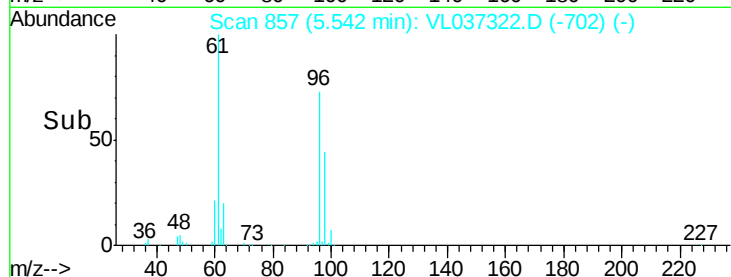
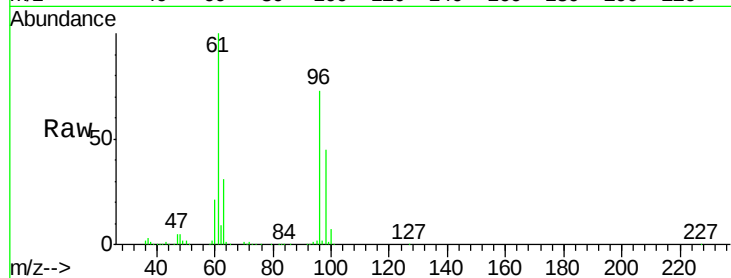
61 100

96 72.7 57.4 86.0

98 44.5 36.3 54.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 9.311 ppbv

RT: 6.50 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

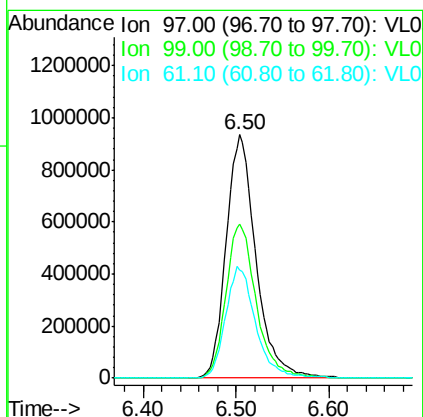
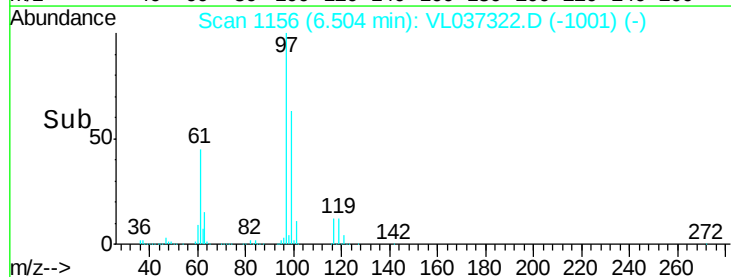
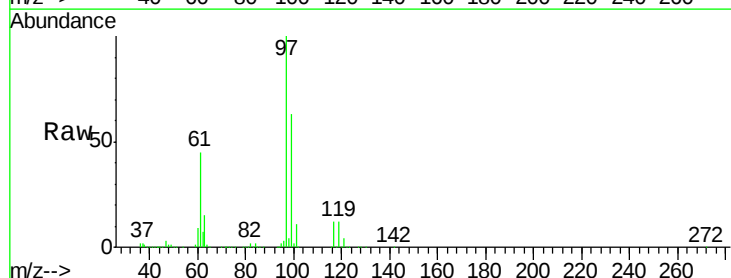
Tgt Ion: 97 Resp: 2089290

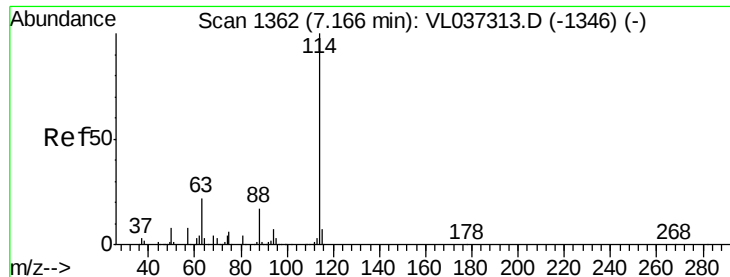
Ion Ratio Lower Upper

97 100

99 64.7 52.3 78.5

61 46.5 37.2 55.8





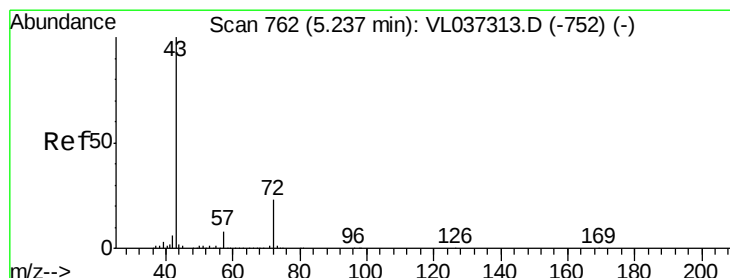
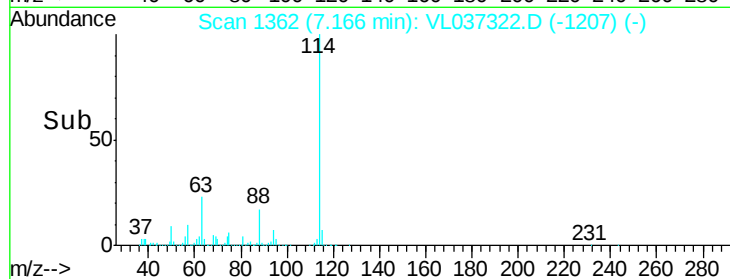
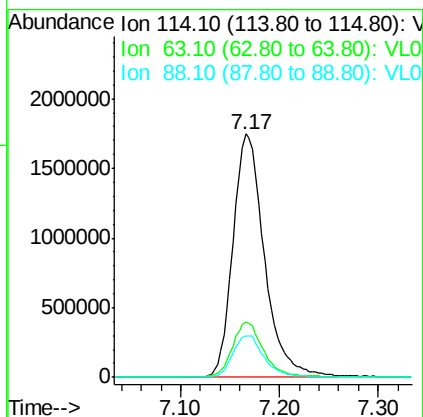
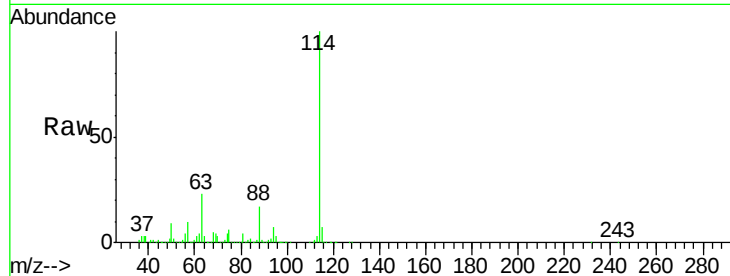
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0804ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.8	18.1	27.1
88	17.3	13.8	20.8

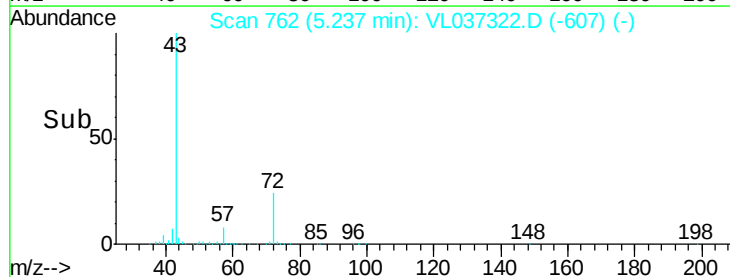
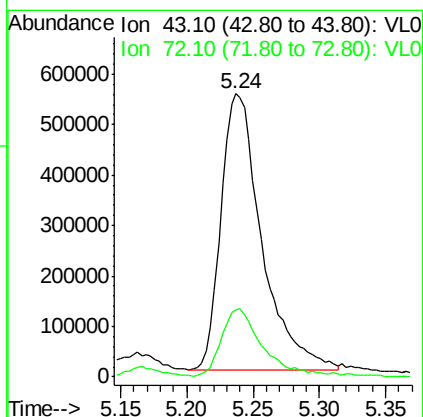
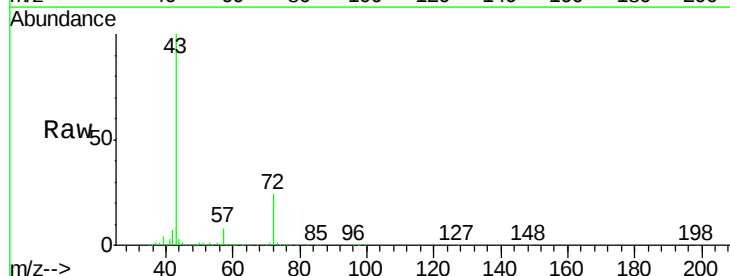
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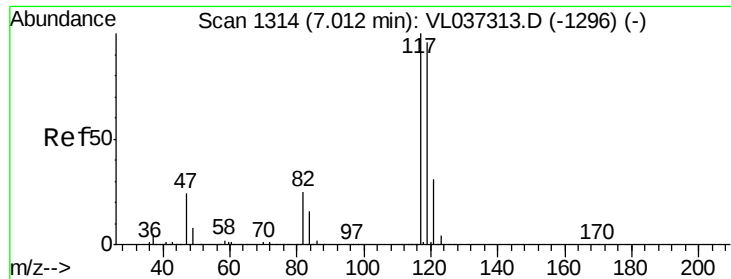
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 8/5/2021 1:40:25 PM



#34
 2-Butanone
 Concen: 8.761 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.1	20.3	30.5





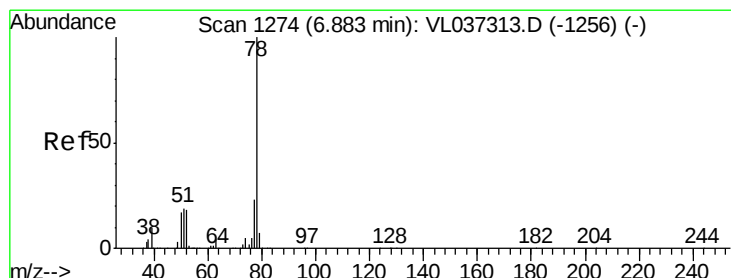
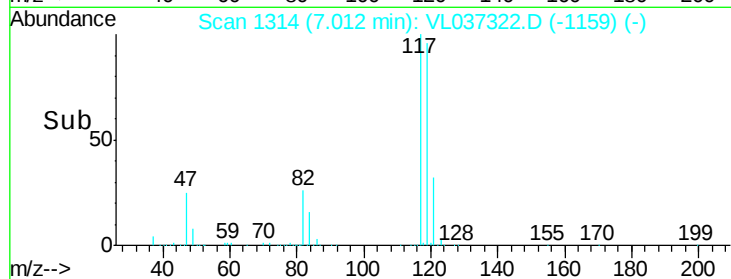
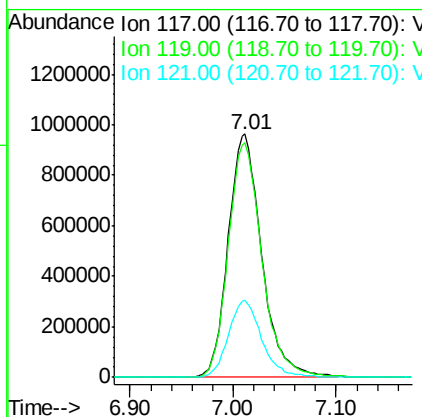
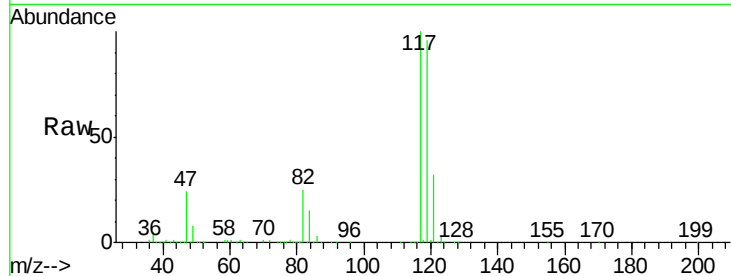
#35
Carbon Tetrachloride
Concen: 9.452 ppbv
RT: 7.01 min Scan# 1314
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Instrument :
MSVOA_L
ClientSampleId :
VL0804ABS01

Tot Ion:117 Resp: 2178742
Ion Ratio Lower Upper
117 100
119 96.3 76.6 114.8
121 31.6 24.9 37.3

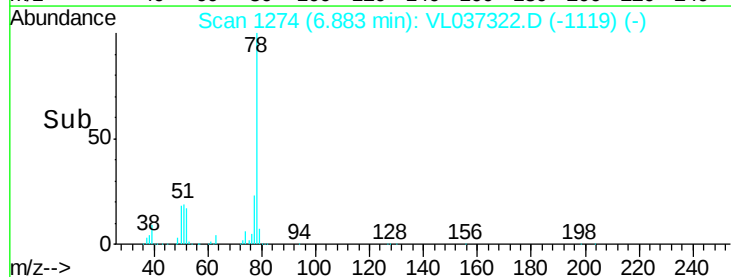
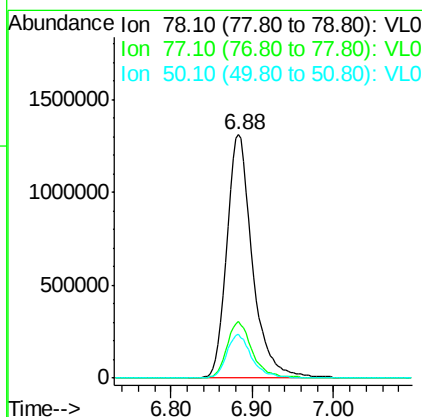
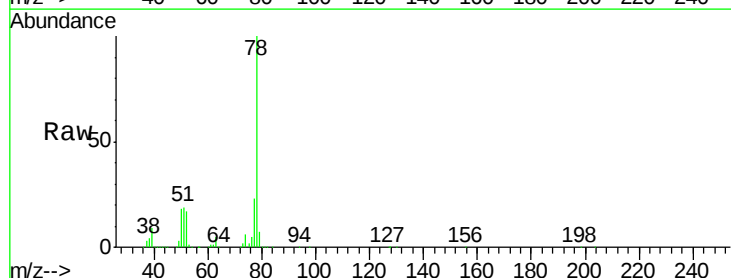
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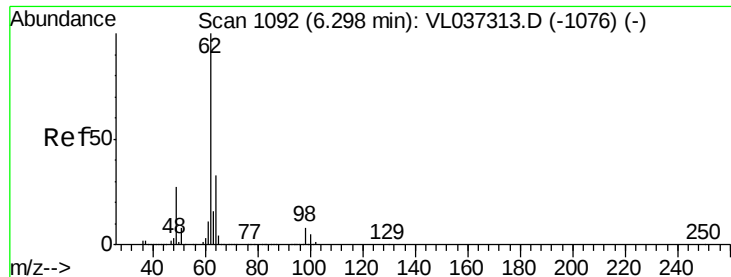
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#36
Benzene
Concen: 8.361 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Tgt Ion: 78 Resp: 2906574
Ion Ratio Lower Upper
78 100
77 23.2 18.7 28.1
50 18.3 13.7 20.5





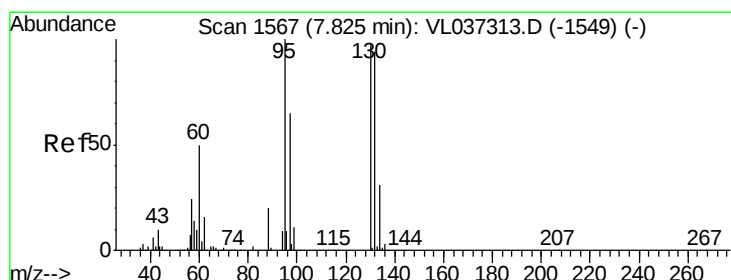
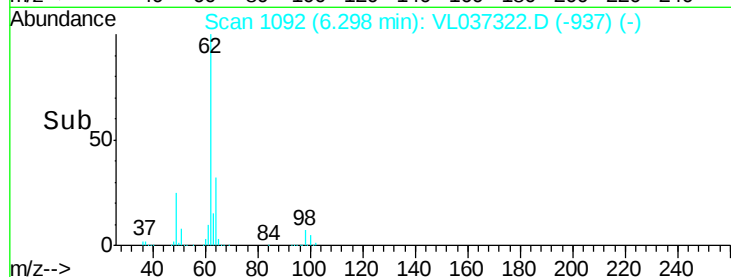
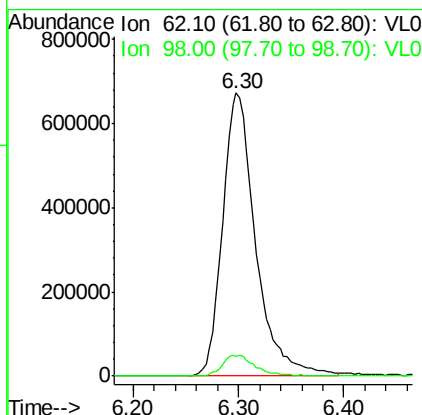
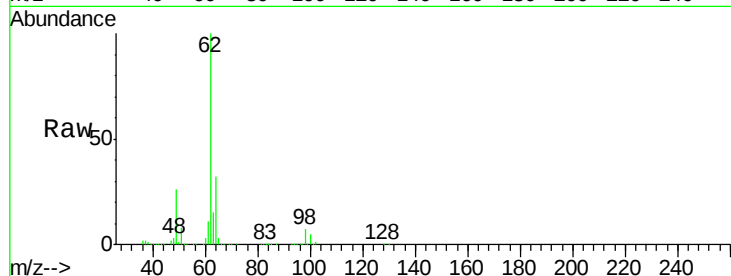
#37
1,2-Dichloroethane
Concen: 9.094 ppbv
RT: 6.30 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Instrument :
MSVOA_L
ClientSampleId :
VL0804ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.4	6.3	9.5

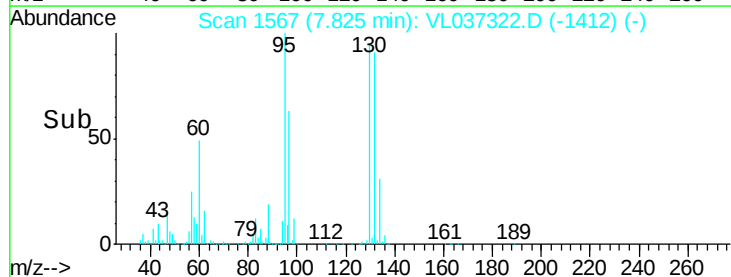
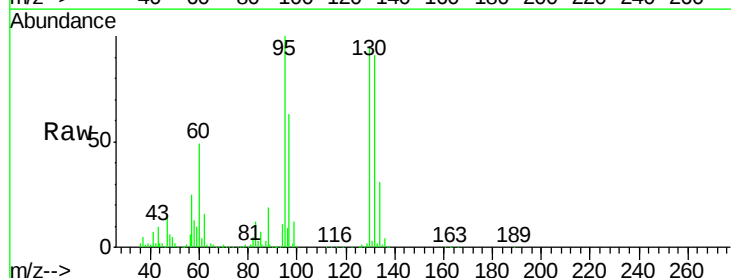
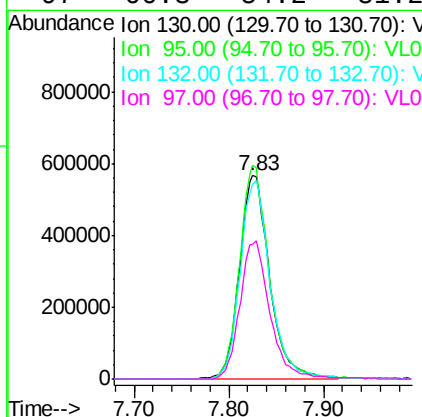
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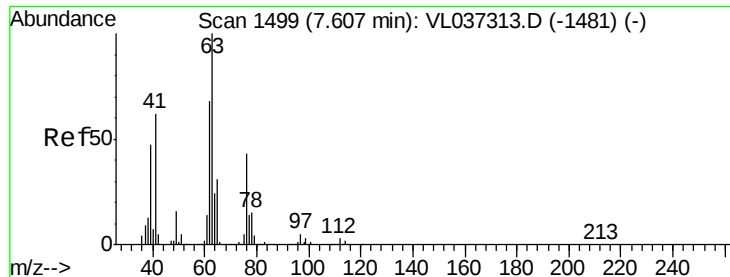
MMDadoda
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#38
Trichloroethene
Concen: 8.243 ppbv
RT: 7.83 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.0	82.8	124.2
132	95.5	78.2	117.4
97	66.3	54.2	81.2





#39

1,2-Dichloropropane

Concen: 8.365 ppbv

RT: 7.60 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

ClientSampleId :

VL0804ABS01

Tot Ion: 63 Resp: 1082878

Ion Ratio Lower Upper

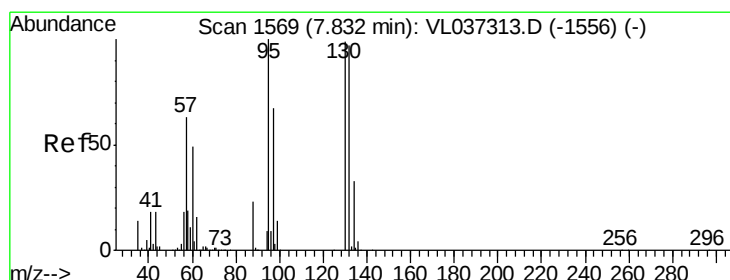
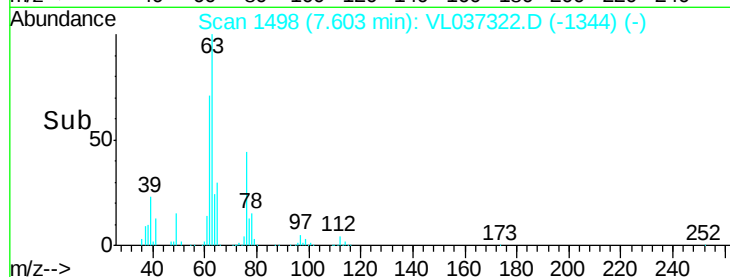
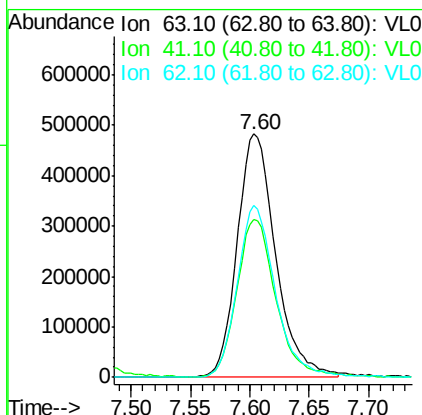
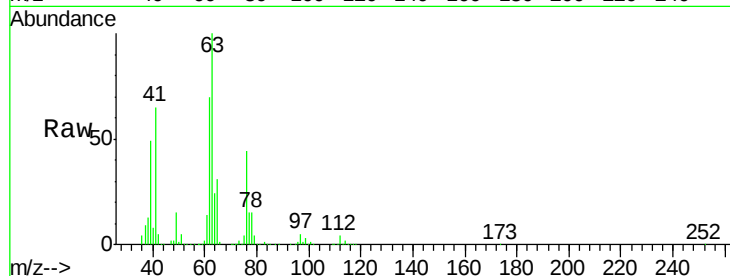
63 100

41 64.8 49.2 73.8

62 70.5 54.2 81.4

Manual Integrations
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8/5/2021 1:40:25 PM



#40

1,4-Dioxane

Concen: 8.324 ppbv m

RT: 7.83 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Tgt Ion: 88 Resp: 309994

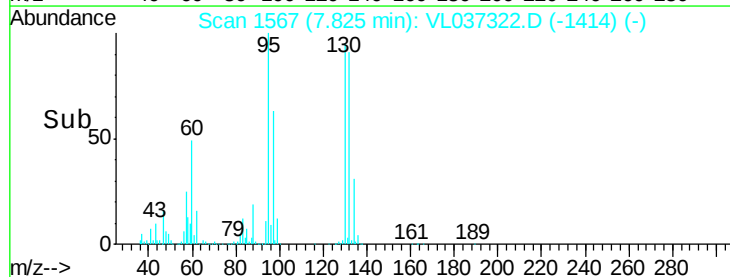
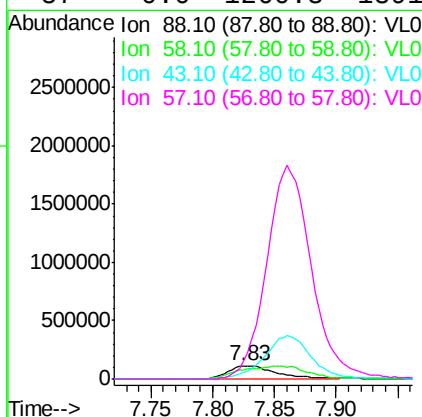
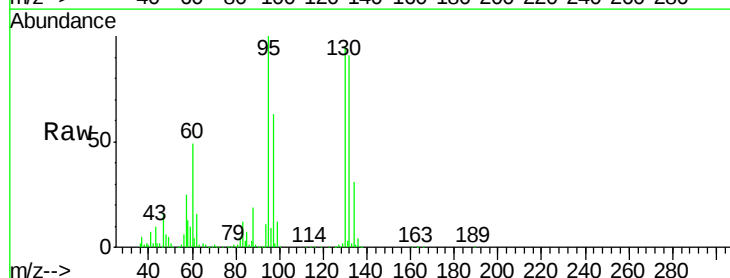
Ion Ratio Lower Upper

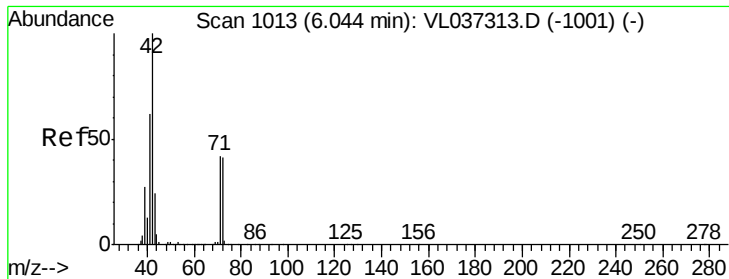
88 100

58 0.0 117.5 176.3#

43 0.0 271.0 406.4#

57 0.0 1260.8 1891.2#





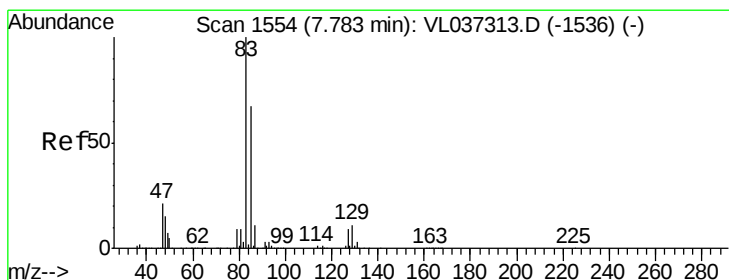
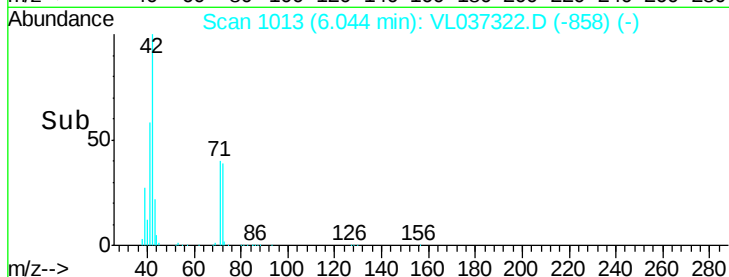
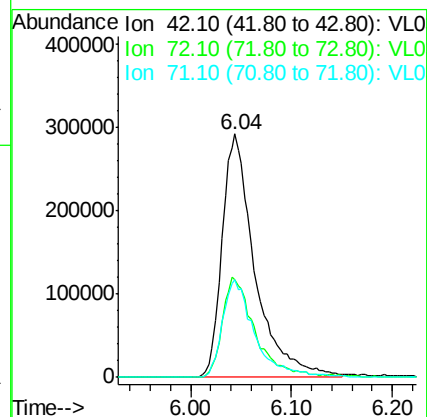
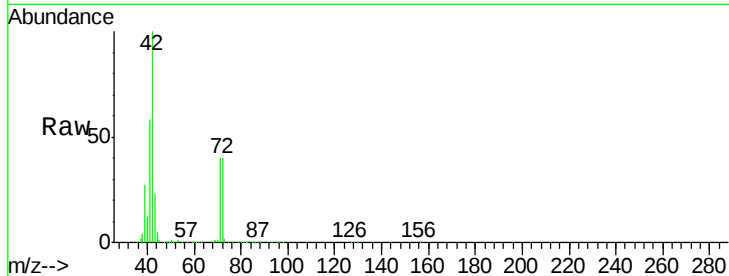
#41
Tetrahydrofuran
Concen: 8.839 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Instrument :
MSVOA_L
ClientSampleId :
VL0804ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.6	50.4
71	40.5	33.0	49.4

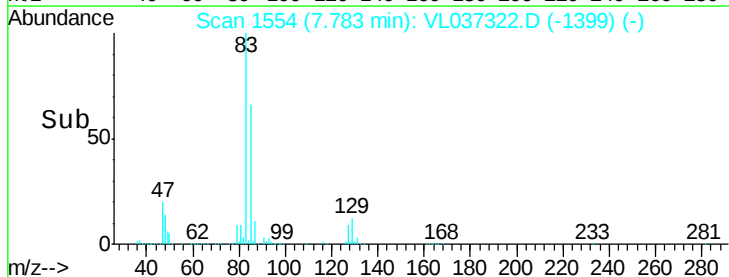
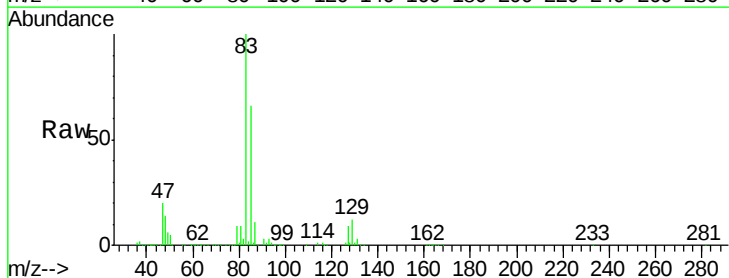
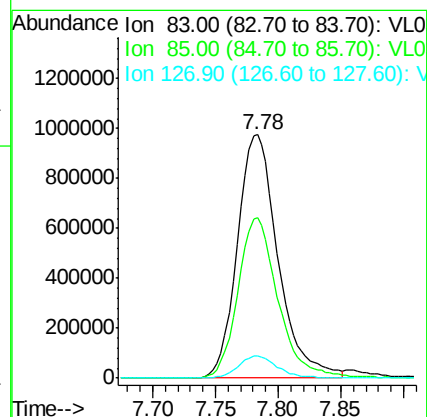
Manual Integrations
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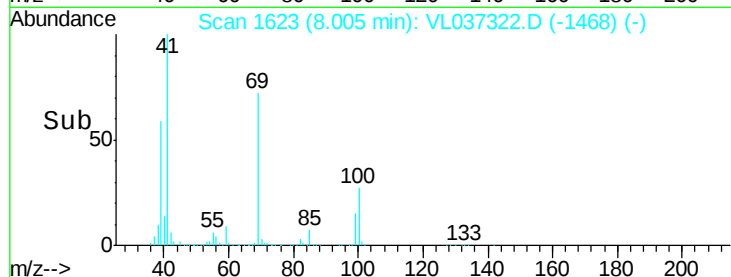
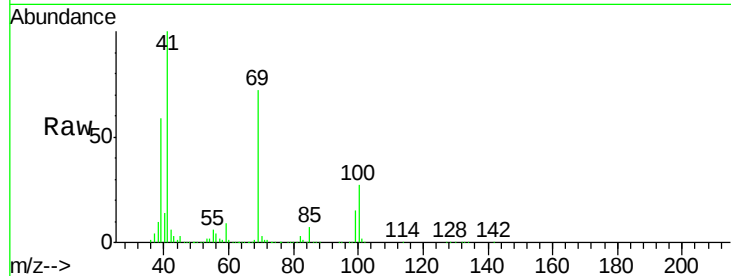
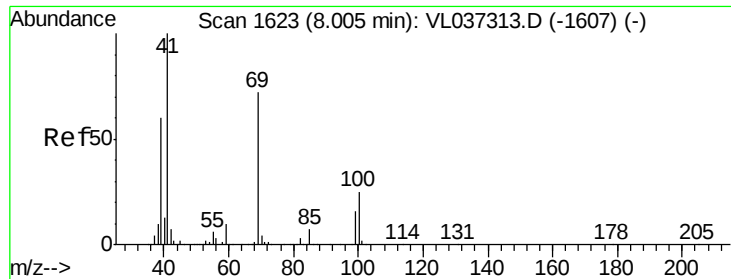
MMDadoda
8/5/2021 1:40:25 PM



#42
Bromodichloromethane
Concen: 9.117 ppbv
RT: 7.78 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	53.5	80.3
127	9.3	7.1	10.7





#43

Methyl Methacrylate

Concen: 8.902 ppbv

RT: 8.01 min Scan# 1623

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	140.5	114.6	172.0	
100	36.6	29.4	44.2	

Instrument :

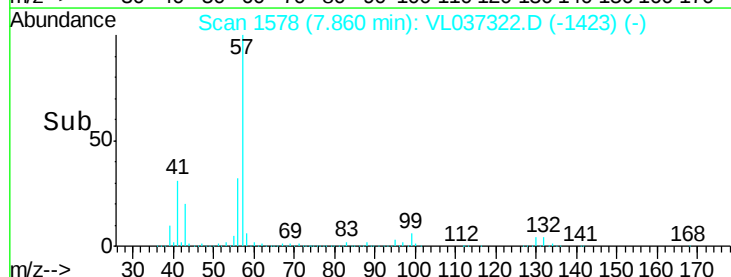
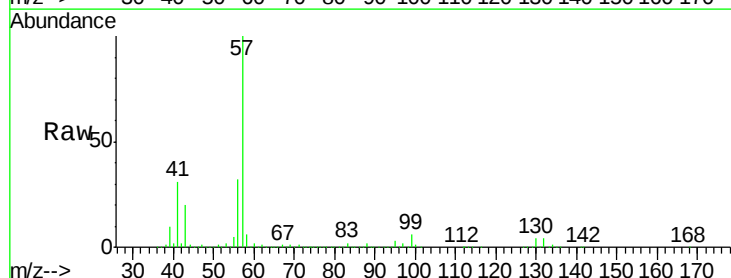
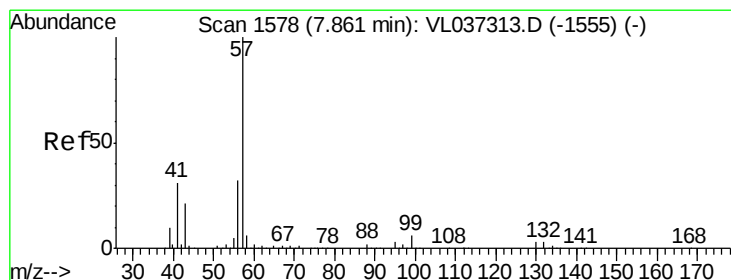
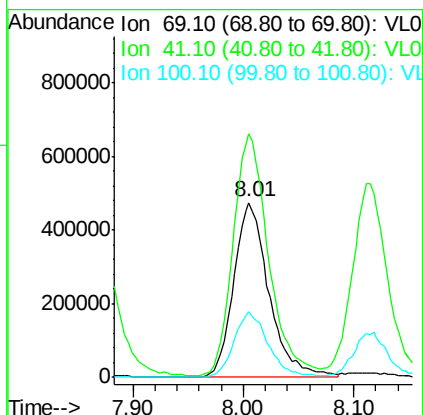
MSVOA_L

ClientSampleId :

VL0804ABS01

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 8.097 ppbv

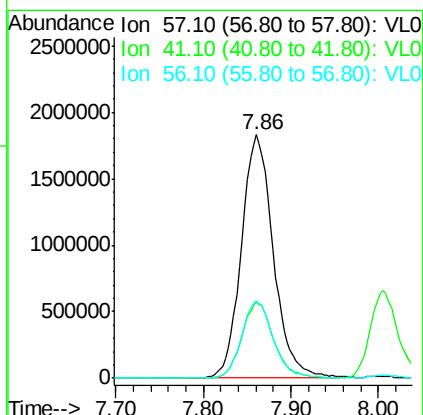
RT: 7.86 min Scan# 1578

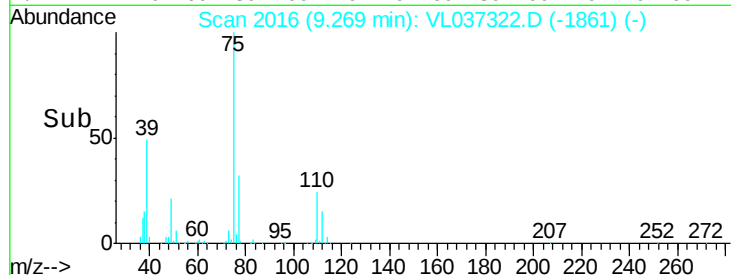
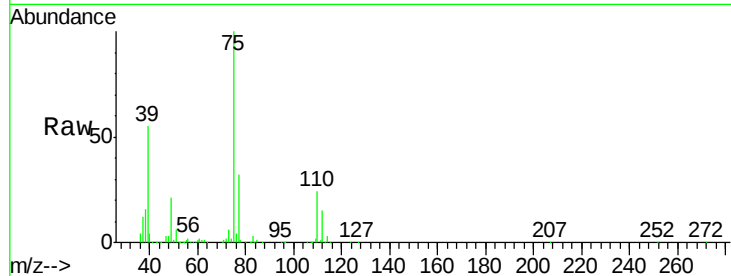
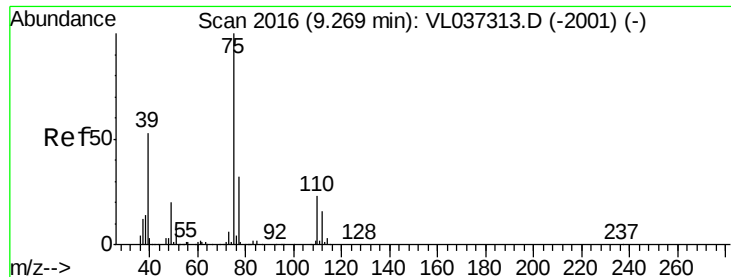
Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	31.0	24.3	36.5	
56	31.2	25.0	37.6	





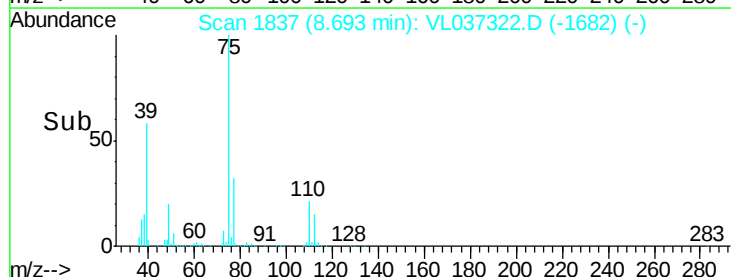
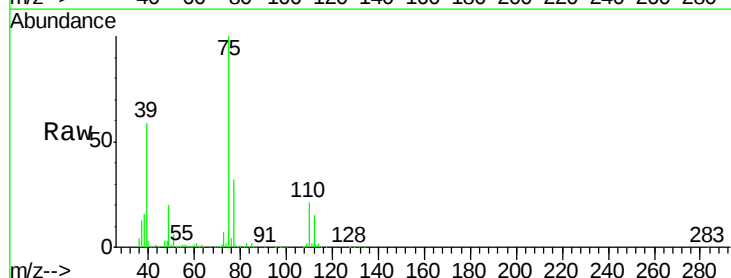
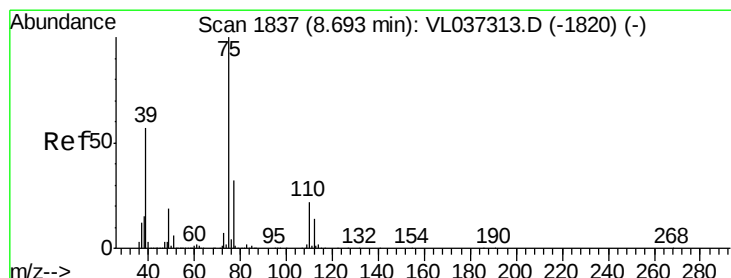
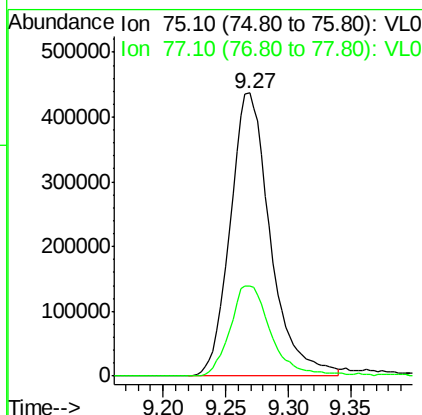
#45
t-1,3-Dichloropropene
Concen: 10.391 ppbv
RT: 9.27 min Scan# 2016
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Tot Ion: 75 Resp: 968050
Ion Ratio Lower Upper
75 100
77 31.7 25.7 38.5

Instrument :
MSVOA_L
ClientSampleId :
VL0804ABS01

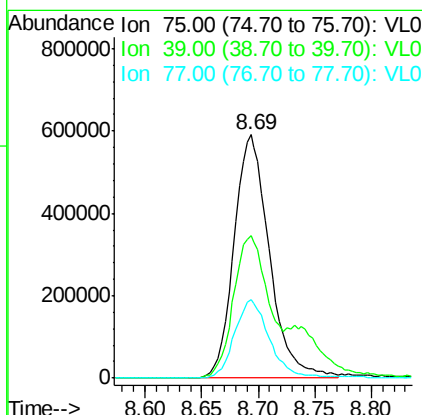
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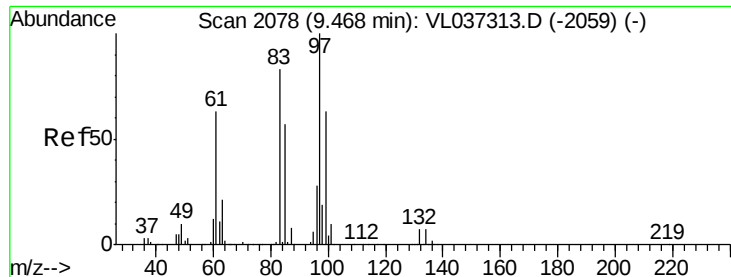
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#46
cis-1,3-Dichloropropene
Concen: 9.608 ppbv
RT: 8.69 min Scan# 1837
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Tgt Ion: 75 Resp: 1288661
Ion Ratio Lower Upper
75 100
39 58.6 45.6 68.4
77 32.1 25.4 38.0





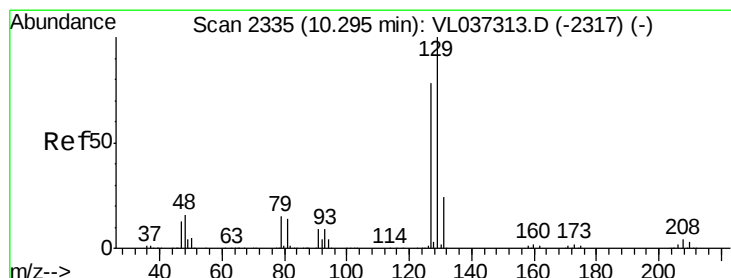
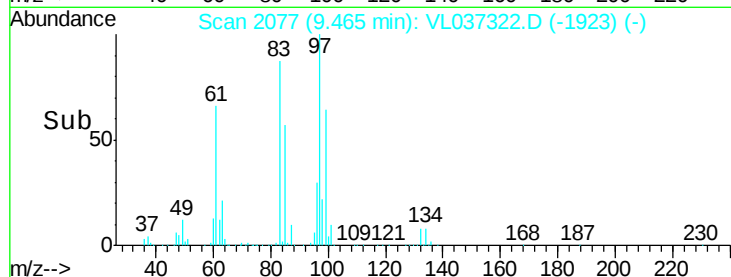
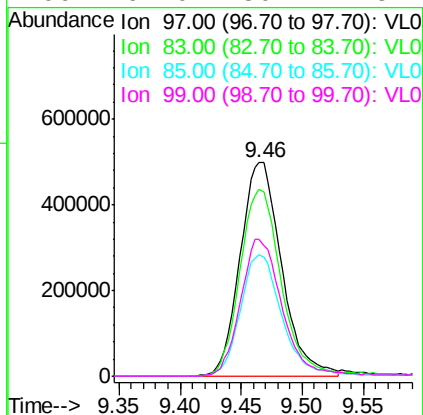
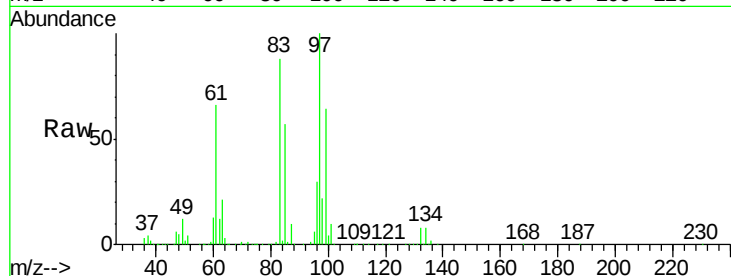
#47
 1,1,2-Trichloroethane
 Concen: 8.511 ppbv
 RT: 9.46 min Scan# 2077
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0804ABS01

Tot Ion:	97	Resp:	1171297
Ion	Ratio	Lower	Upper
97	100		
83	87.5	66.0	99.0
85	56.7	45.7	68.5
99	64.0	50.2	75.4

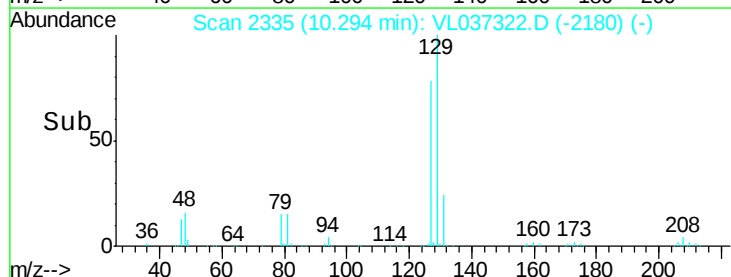
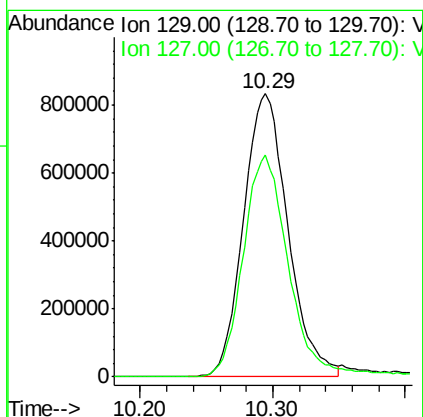
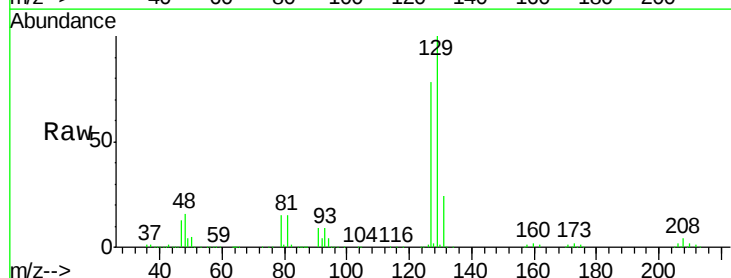
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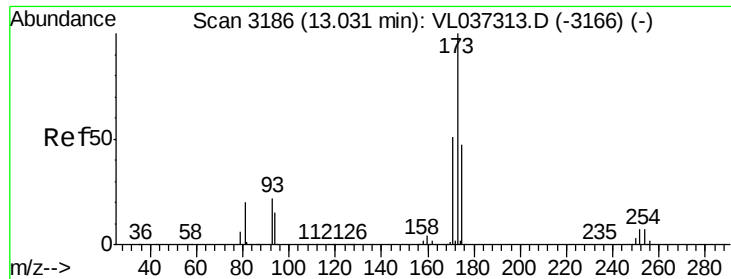
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#48
 Dibromochloromethane
 Concen: 9.528 ppbv
 RT: 10.29 min Scan# 2335
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Tgt Ion:	129	Resp:	1943385
Ion	Ratio	Lower	Upper
129	100		
127	82.4	40.9	122.7





#49

Bromoform

Concen: 9.862 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

ClientSampleId :

VL0804ABS01

Tot Ion:173 Resp: 1508172

Ion Ratio Lower Upper

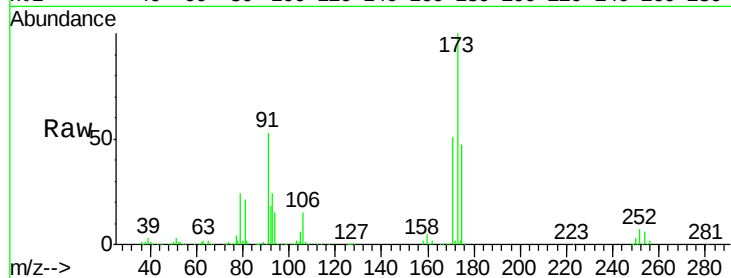
173 100

175 53.0 42.3 63.5

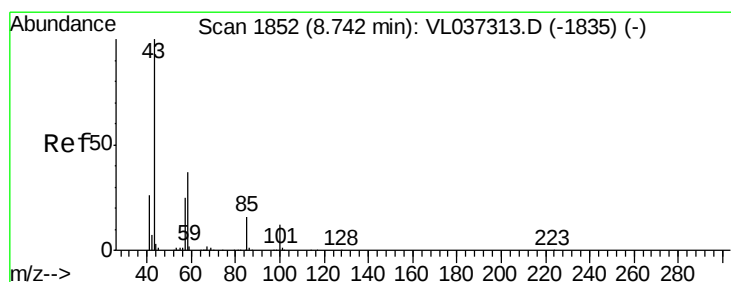
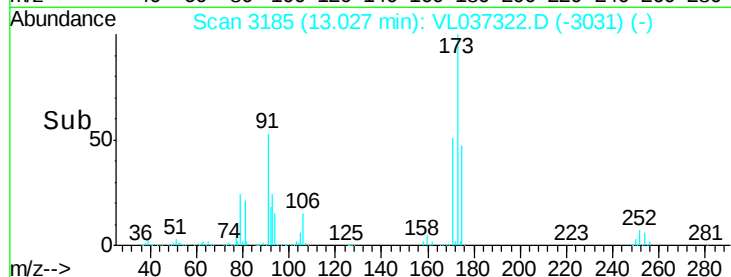
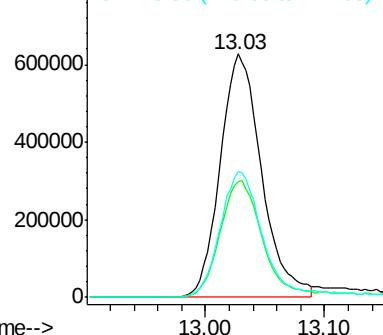
171 56.8 44.9 67.3

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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: 8.745 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. -0.01 min

Lab File: VL037322.D

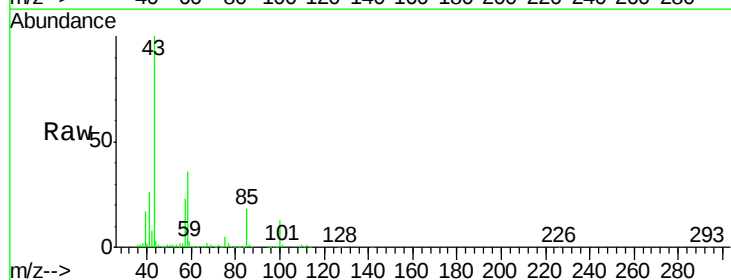
Acq: 5 Aug 2021 00:31

Tgt Ion: 43 Resp: 1794931

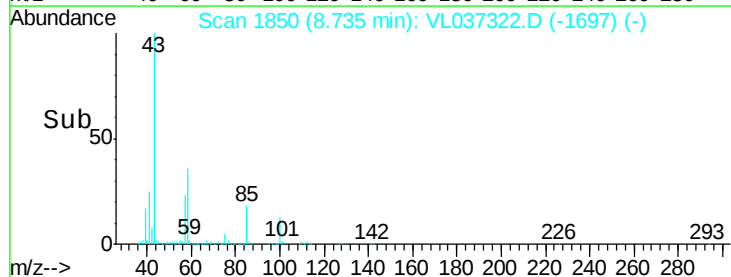
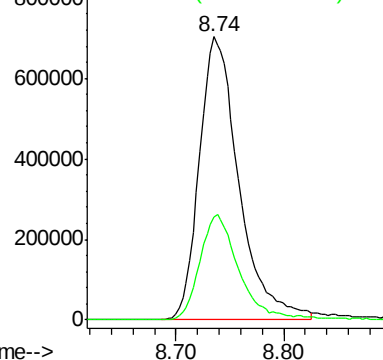
Ion Ratio Lower Upper

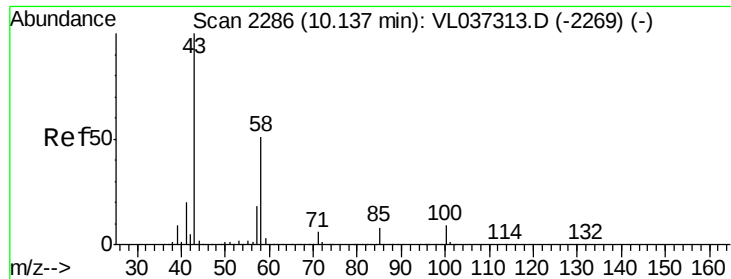
43 100

58 37.2 31.0 46.4



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





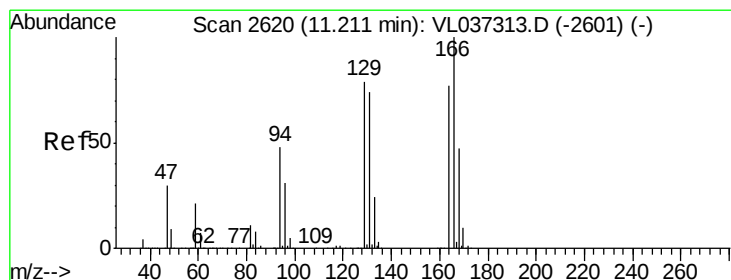
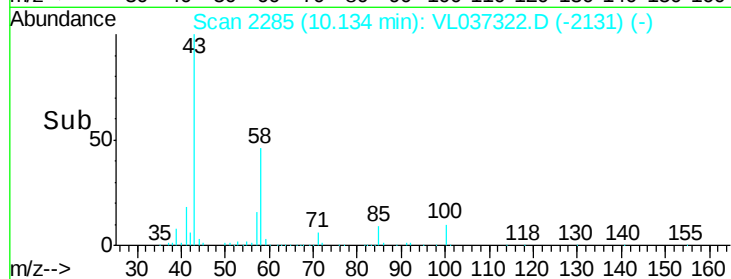
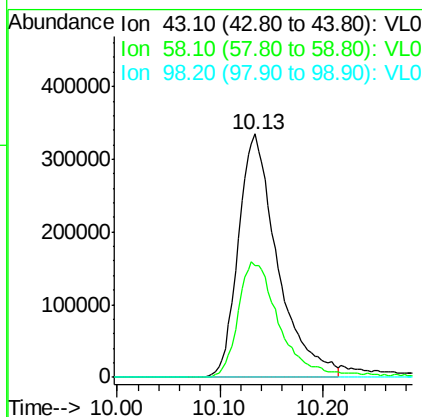
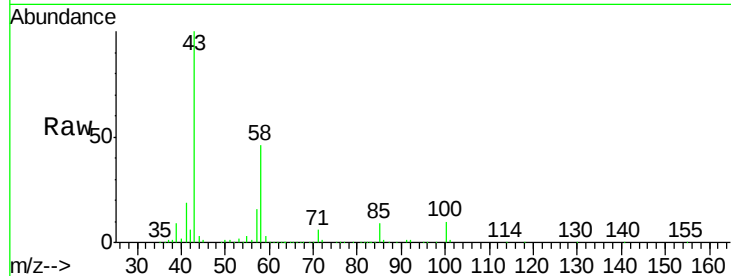
#51
2-Hexanone
Concen: 9.464 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Instrument :
MSVOA_L
ClientSampleId :
VL0804ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.0	40.9	61.3
98	0.3	0.1	0.1#

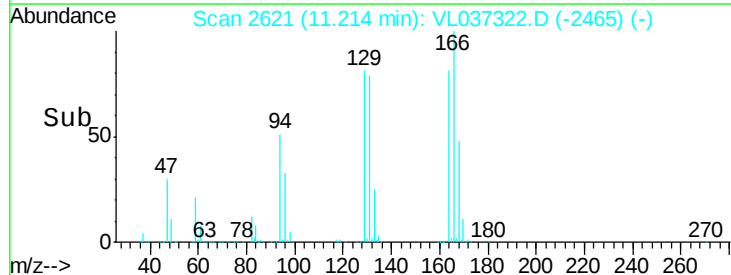
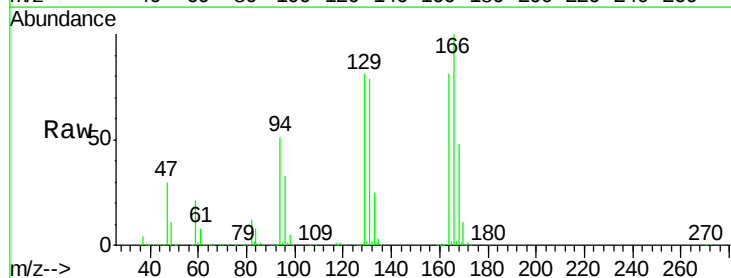
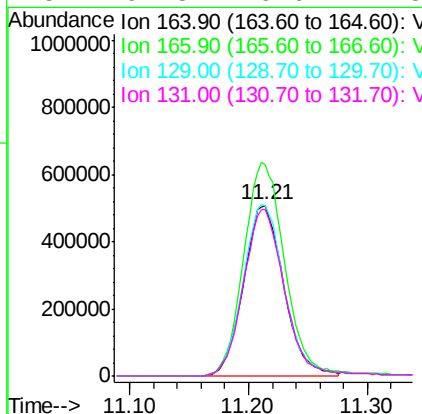
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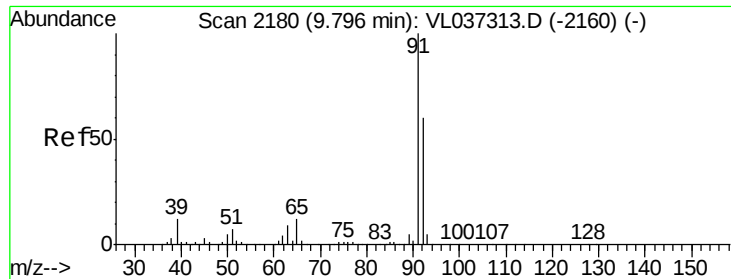
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#52
Tetrachloroethene
Concen: 7.934 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. 0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.8	103.4	155.2
129	100.1	82.2	123.2
131	97.8	76.6	114.8





#53

Toluene

Concen: 8.418 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

ClientSampleId :

VL0804ABS01

Tot Ion: 91 Resp: 3454498

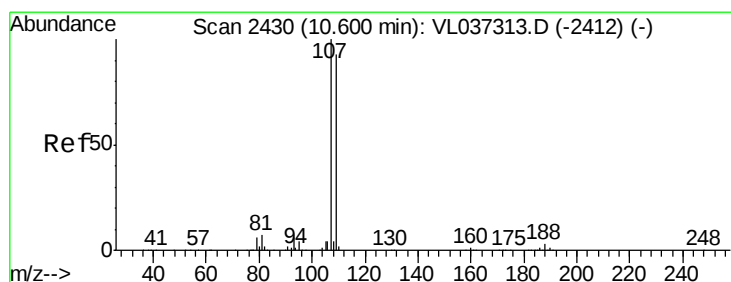
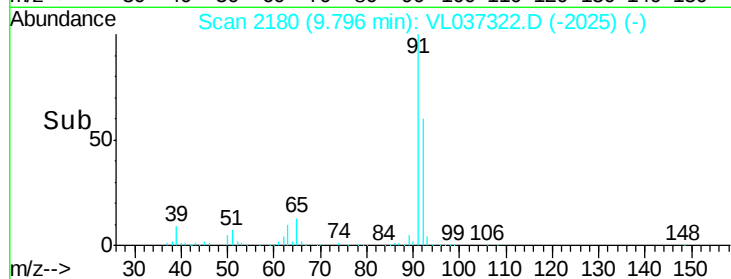
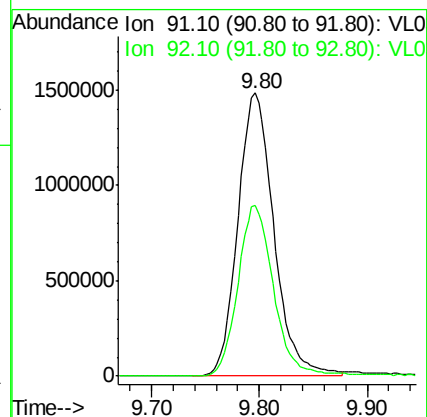
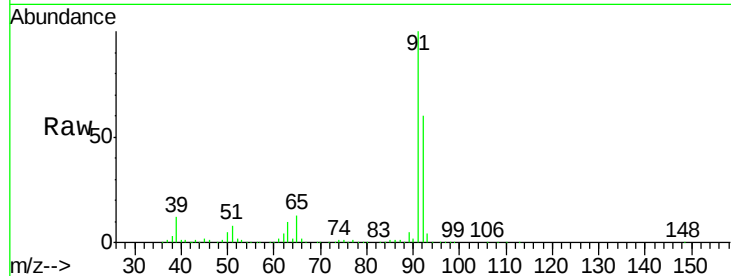
Ion Ratio Lower Upper

91 100

92 61.1 48.8 73.2

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#54

1,2-Dibromoethane

Concen: 8.959 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VL037322.D

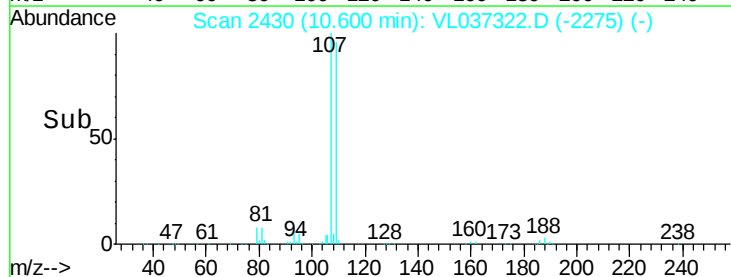
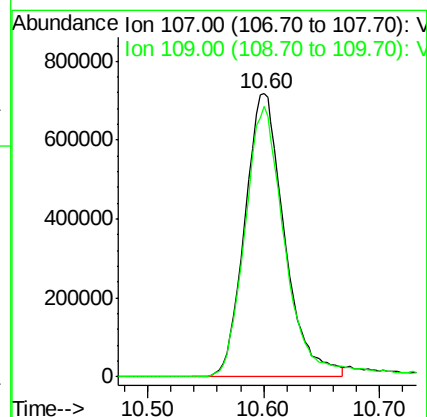
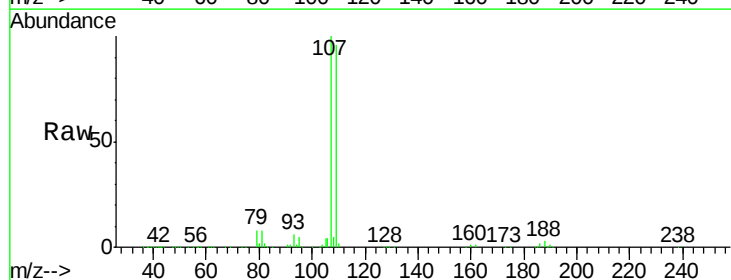
Acq: 5 Aug 2021 00:31

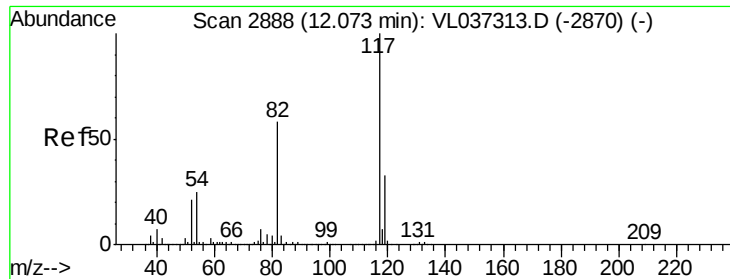
Tgt Ion: 107 Resp: 1712335

Ion Ratio Lower Upper

107 100

109 95.5 74.8 112.2





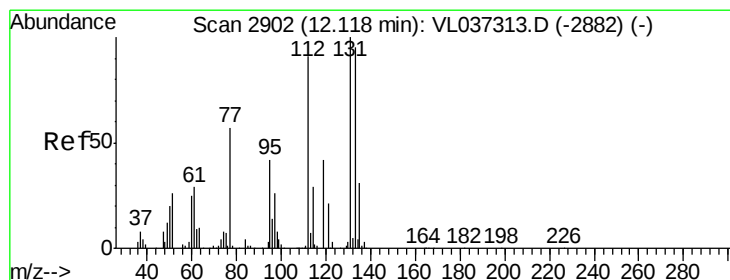
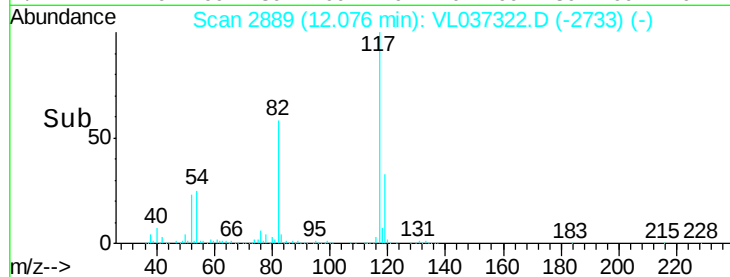
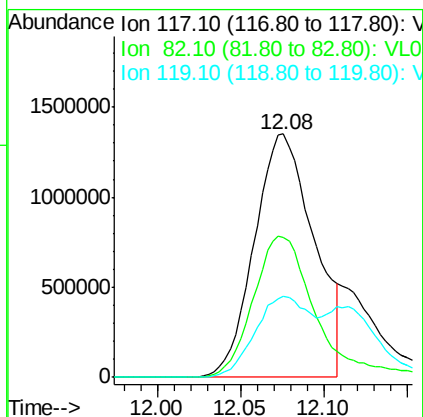
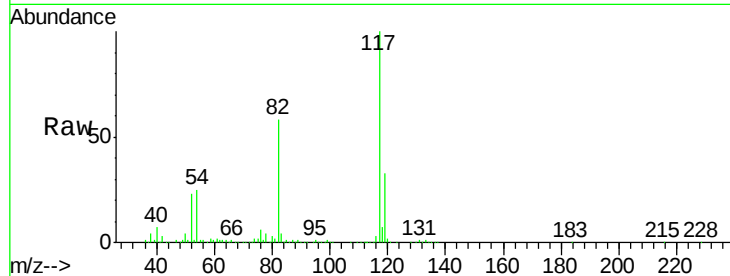
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2889
Delta R.T. 0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Instrument :
MSVOA_L
ClientSampleId :
VL0804ABS01

Tot Ion:117 Resp: 3372552
Ion Ratio Lower Upper
117 100
82 65.1 50.3 75.5
119 62.0 48.2 72.2

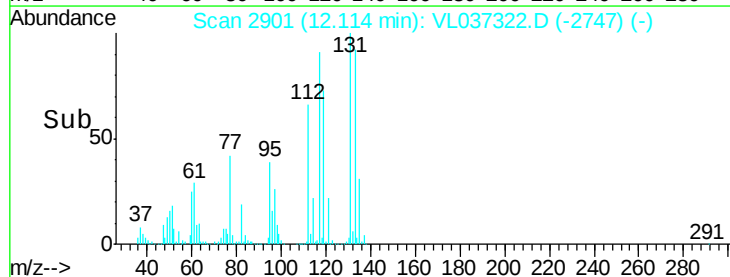
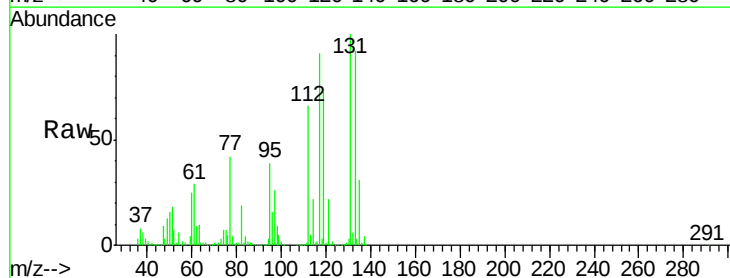
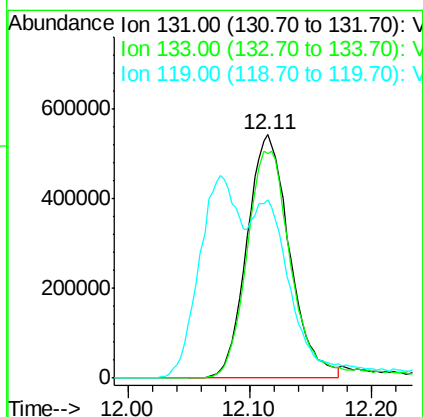
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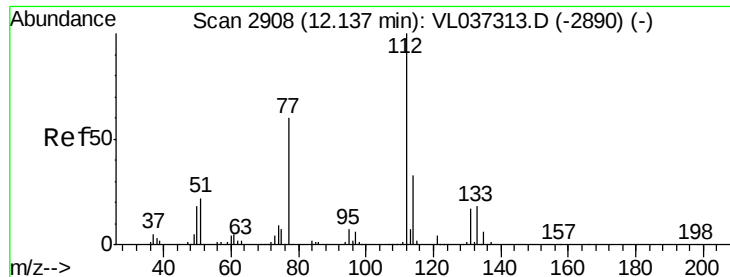
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.999 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Tgt Ion:131 Resp: 1310208
Ion Ratio Lower Upper
131 100
133 103.0 83.0 124.4
119 159.7 130.4 195.6





#57

Chlorobenzene

Concen: 8.660 ppbv

RT: 12.14 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

ClientSampleId :

VL0804ABS01

Tot Ion: 112 Resp: 2465875

Ion Ratio Lower Upper

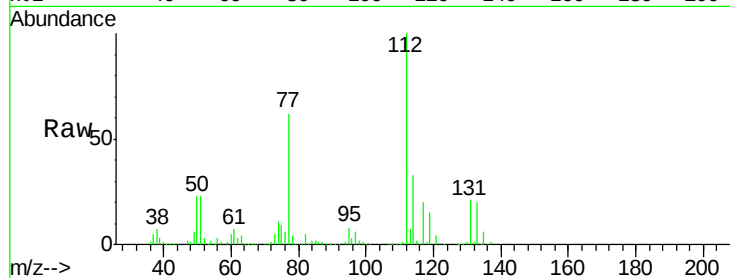
112 100

77 60.6 47.8 71.6

114 33.0 29.8 36.4

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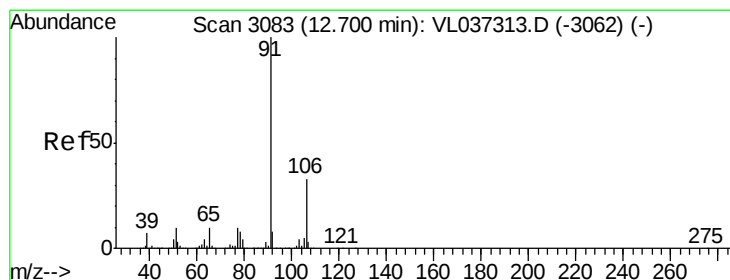
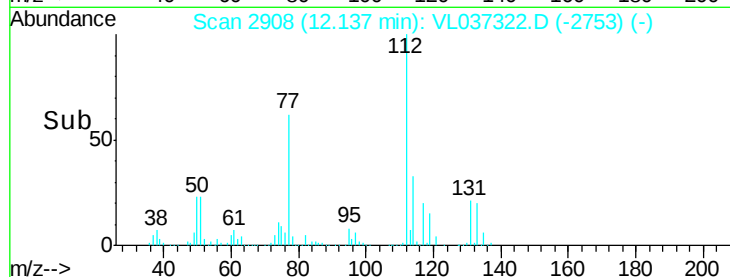
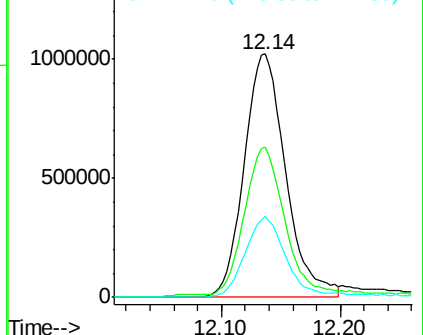
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.430 ppbv

RT: 12.70 min Scan# 3083

Delta R.T. -0.00 min

Lab File: VL037322.D

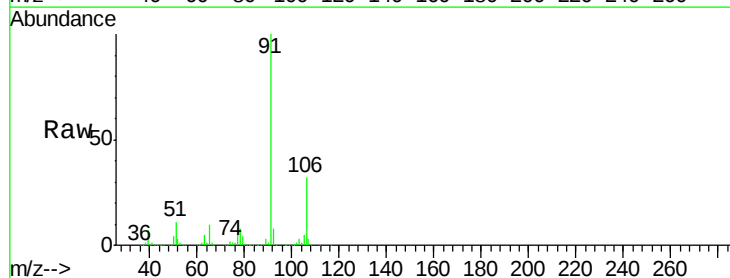
Acq: 5 Aug 2021 00:31

Tgt Ion: 91 Resp: 4176028

Ion Ratio Lower Upper

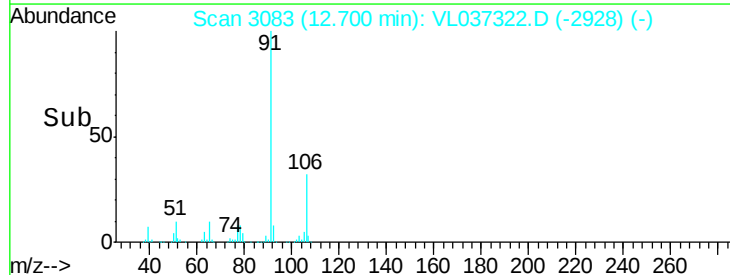
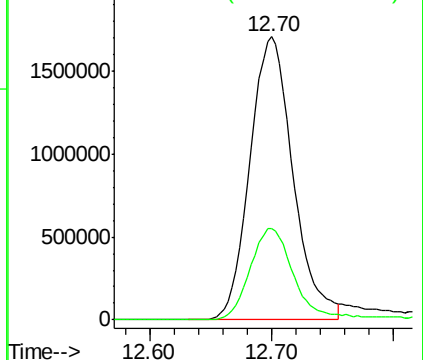
91 100

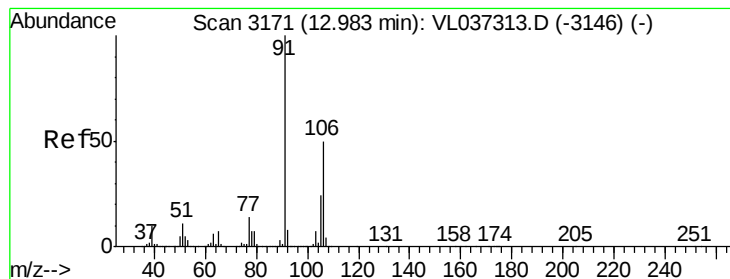
106 32.3 26.2 39.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 17.620 ppbv m

RT: 12.99 min Scan# 3172

Delta R.T. 0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

ClientSampleId :

VL0804ABS01

Tot Ion: 91 Resp: 7352338

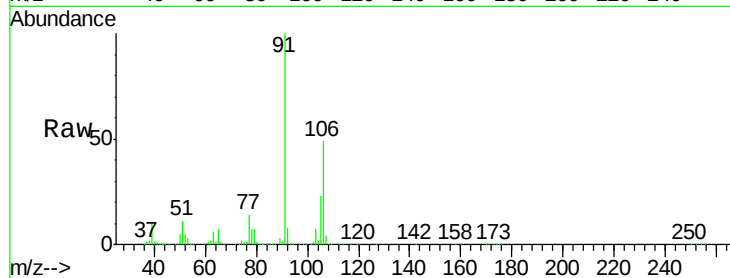
Ion Ratio Lower Upper

91 100

106 47.4 37.8 56.8

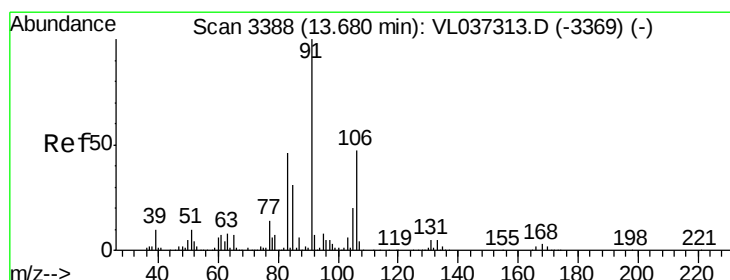
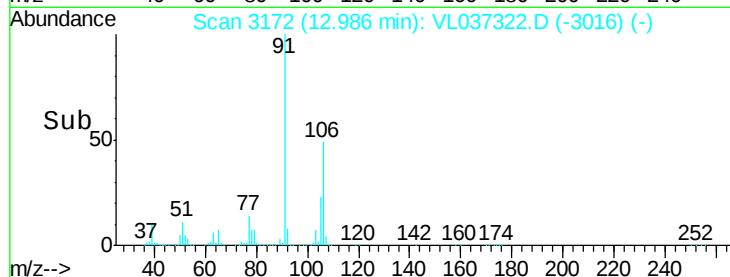
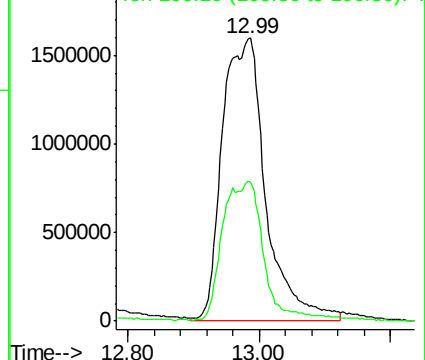
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 8.759 ppbv

RT: 13.68 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VL037322.D

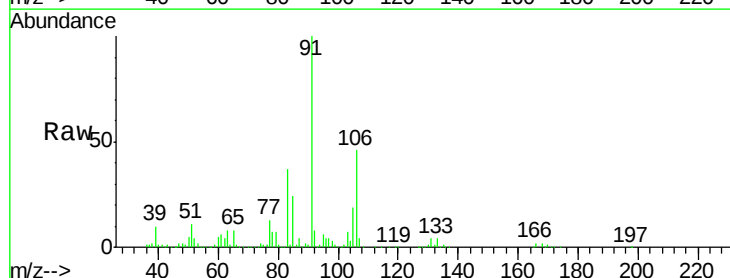
Acq: 5 Aug 2021 00:31

Tgt Ion: 91 Resp: 3321526

Ion Ratio Lower Upper

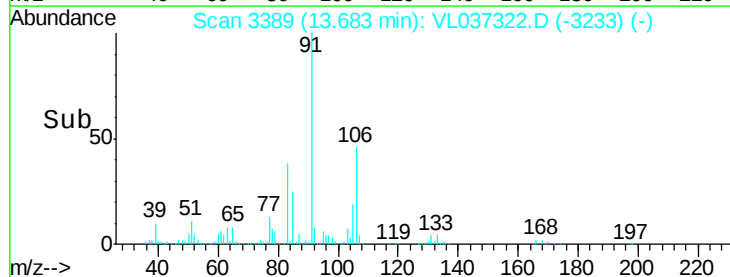
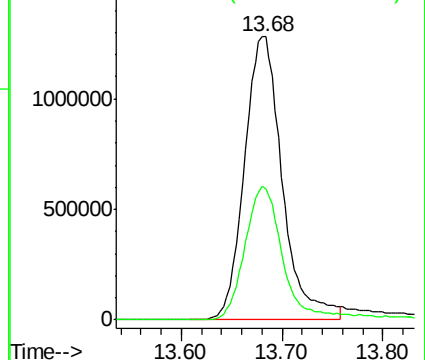
91 100

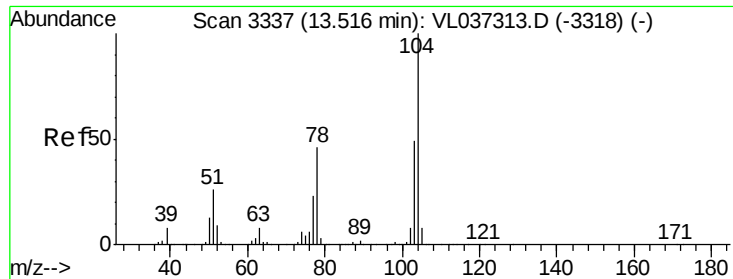
106 49.1 26.3 78.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 9.503 ppbv

RT: 13.52 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

ClientSampled :

VL0804ABS01

Tot Ion:104 Resp: 1975511

Ion Ratio Lower Upper

104 100

78 46.1 39.3 58.9

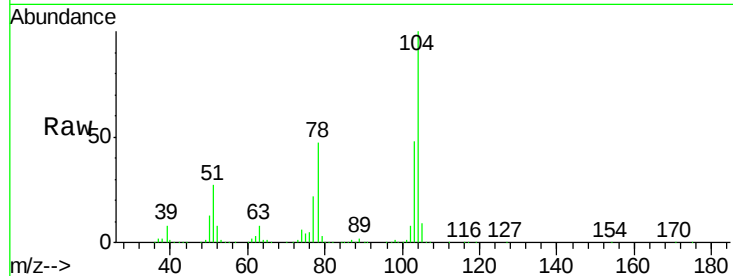
103 48.4 40.6 60.8

Manual Integrations

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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V

1000000

800000

600000

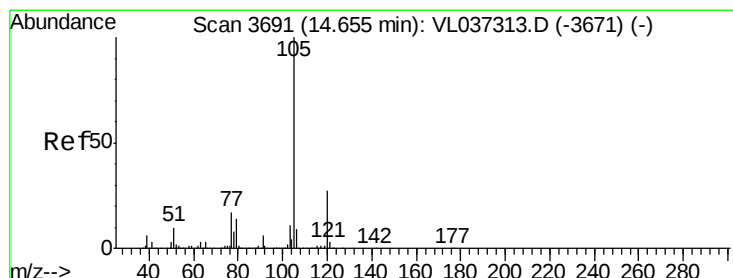
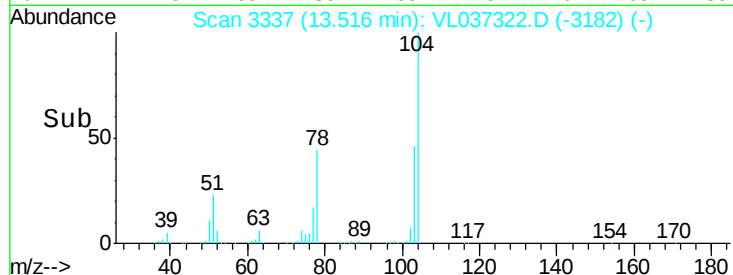
400000

200000

0

13.40 13.50 13.60

Time-->



#62

Isopropylbenzene

Concen: 8.780 ppbv

RT: 14.65 min Scan# 3691

Delta R.T. -0.00 min

Lab File: VL037322.D

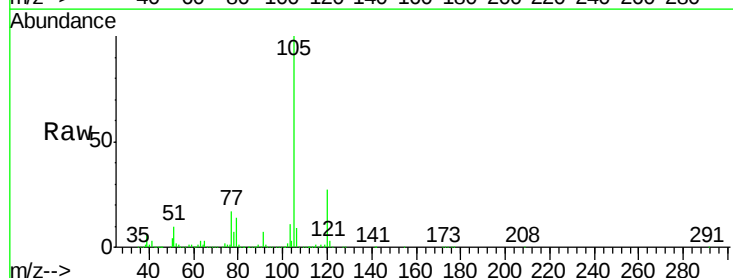
Acq: 5 Aug 2021 00:31

Tgt Ion:105 Resp: 4834351

Ion Ratio Lower Upper

105 100

120 27.2 23.0 34.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

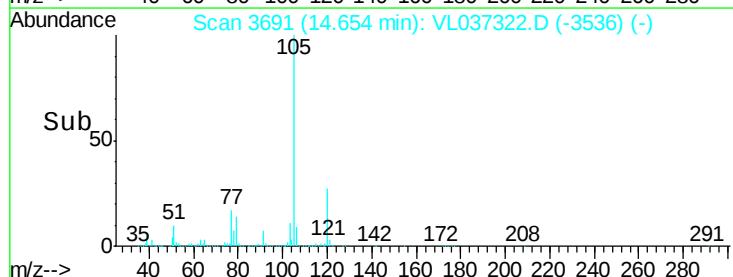
1000000

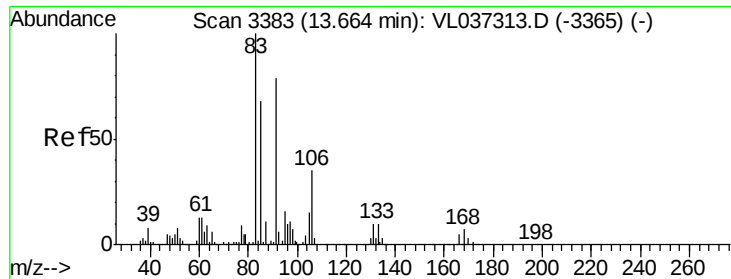
500000

0

14.60 14.70

Time-->





#63

1,1,2,2-Tetrachloroethane

Concen: 8.416 ppbv

RT: 13.66 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

ClientSampleId :

VL0804ABS01

Tot Ion: 83 Resp: 2317351

Ion Ratio Lower Upper

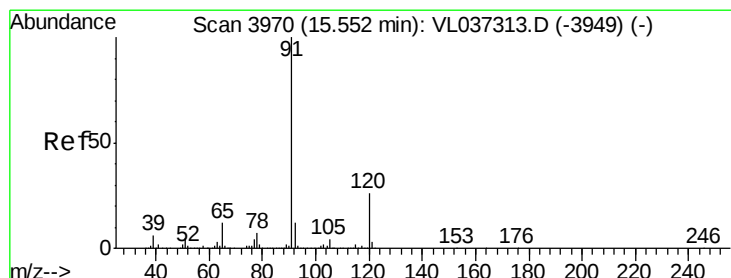
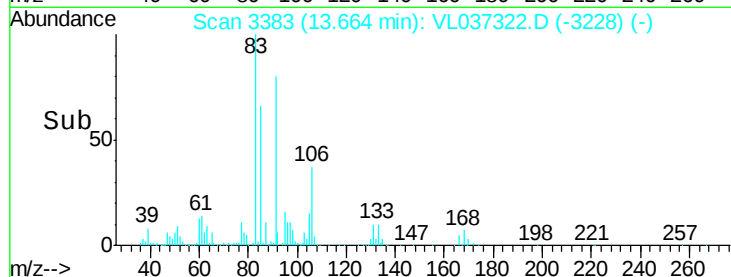
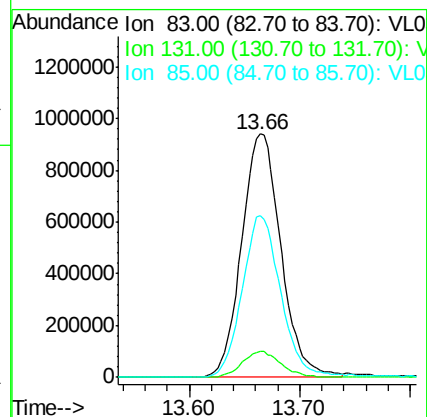
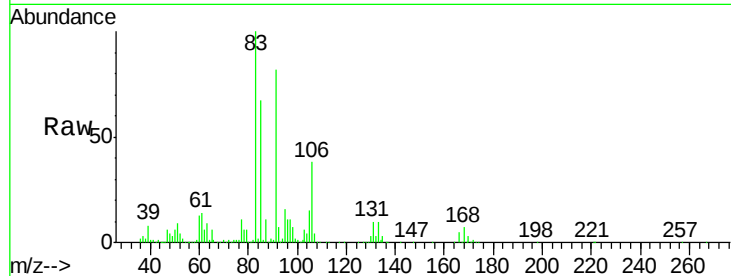
83 100

131 10.6 5.1 15.4

85 66.7 33.5 100.4

Manual Integrations
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8/5/2021 1:40:25 PM



#64

n-propylbenzene

Concen: 9.033 ppbv

RT: 15.55 min Scan# 3969

Delta R.T. -0.00 min

Lab File: VL037322.D

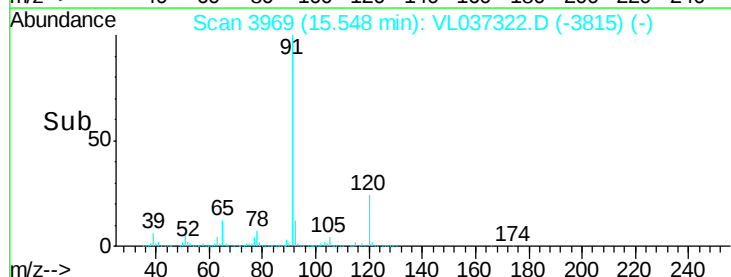
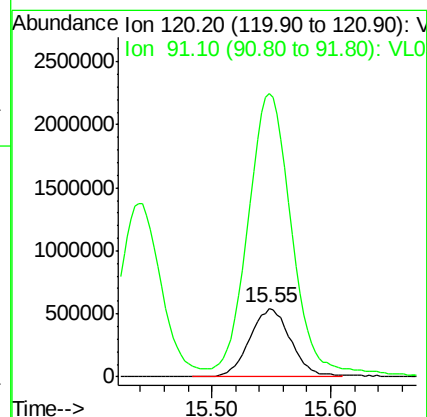
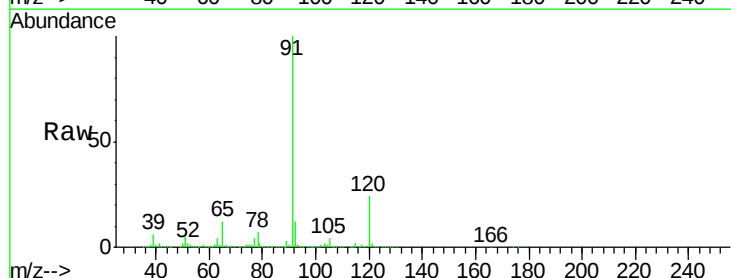
Acq: 5 Aug 2021 00:31

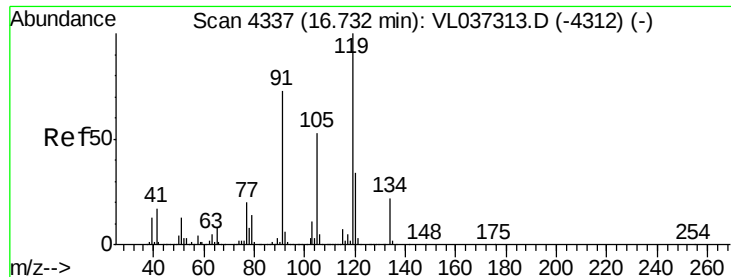
Tgt Ion: 120 Resp: 1300585

Ion Ratio Lower Upper

120 100

91 442.9 361.0 541.4





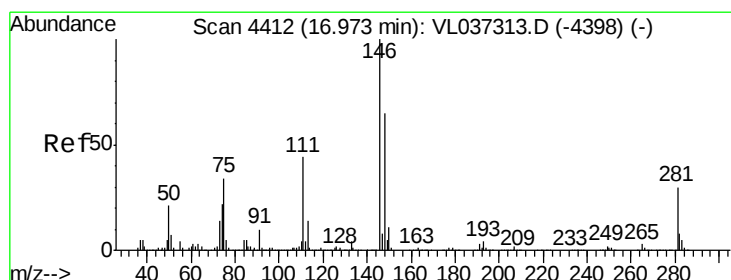
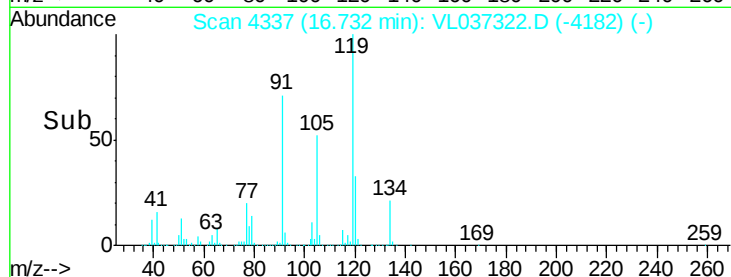
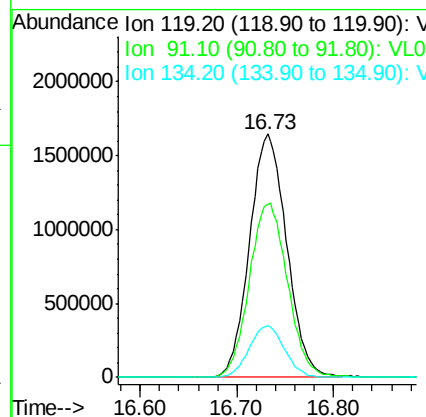
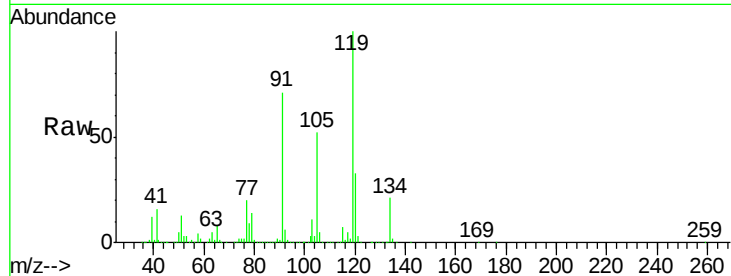
#65
tert-Butylbenzene
Concen: 8.648 ppbv
RT: 16.73 min Scan# 4337
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Instrument :
MSVOA_L
ClientSampleId :
VL0804ABS01

Tot Ion:119 Resp: 4391527
Ion Ratio Lower Upper
119 100
91 73.6 58.6 88.0
134 20.4 16.5 24.7

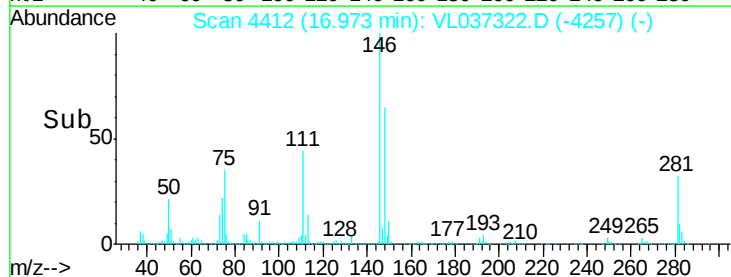
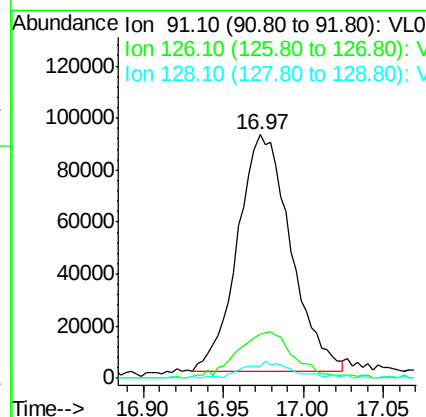
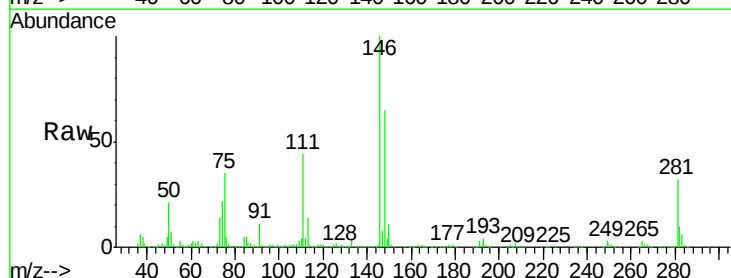
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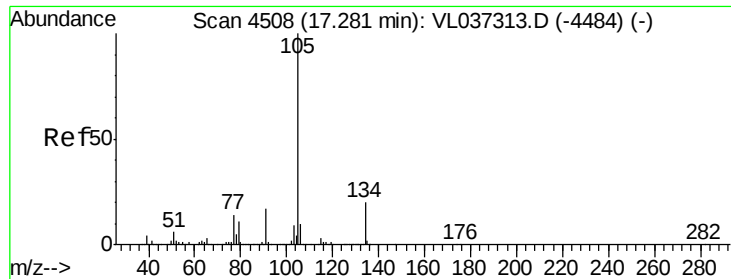
MMDadoda
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#66
Benzyl Chloride
Concen: 10.456 ppbv
RT: 16.97 min Scan# 4412
Delta R.T. -0.00 min
Lab File: VL037322.D
Acq: 5 Aug 2021 00:31

Tgt Ion: 91 Resp: 206386
Ion Ratio Lower Upper
91 100
126 21.8 17.8 26.6
128 7.1 5.8 8.6





#67

sec-Butylbenzene

Concen: 8.658 ppbv

RT: 17.28 min Scan# 4508

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

ClientSampleId :

VL0804ABS01

Tot Ion:105 Resp: 5930137

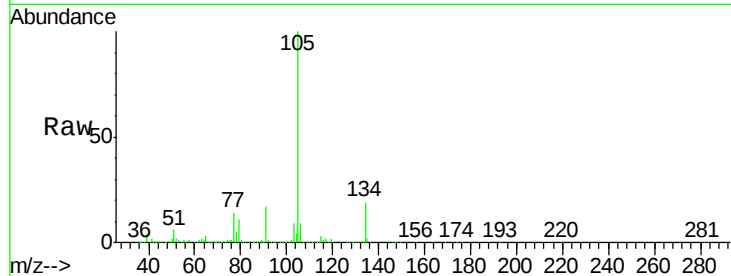
Ion Ratio Lower Upper

105 100

134 19.3 15.4 23.2

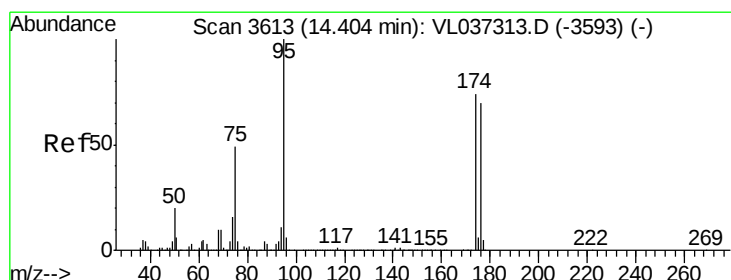
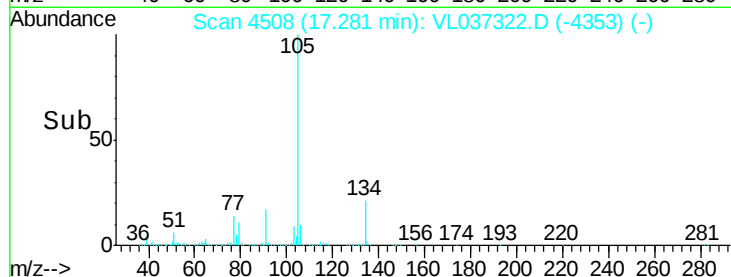
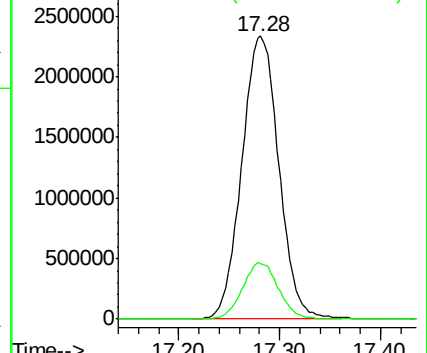
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.312 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

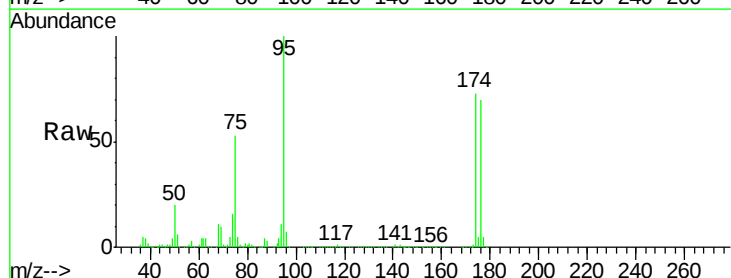
Tgt Ion: 95 Resp: 2375551

Ion Ratio Lower Upper

95 100

174 81.0 66.9 100.3

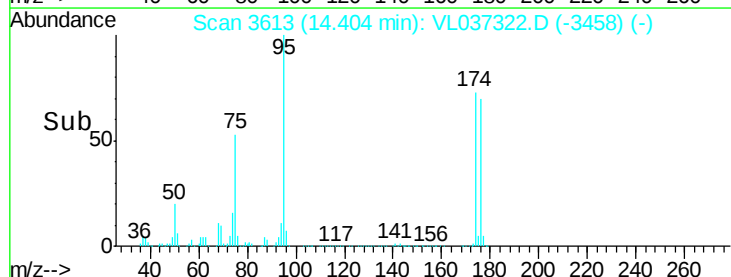
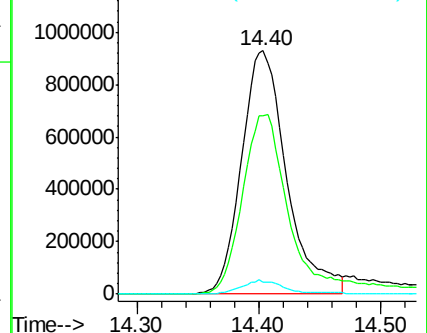
175 6.0 5.1 7.7

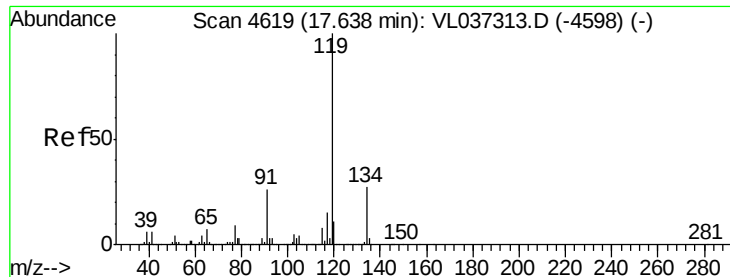


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





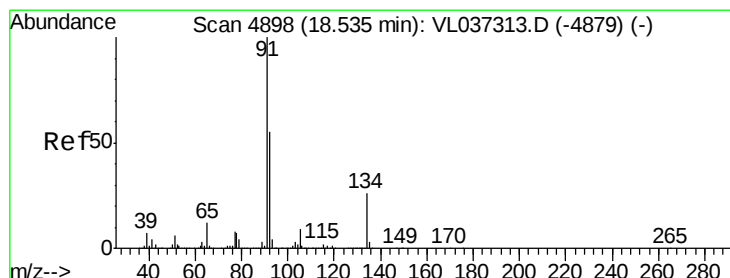
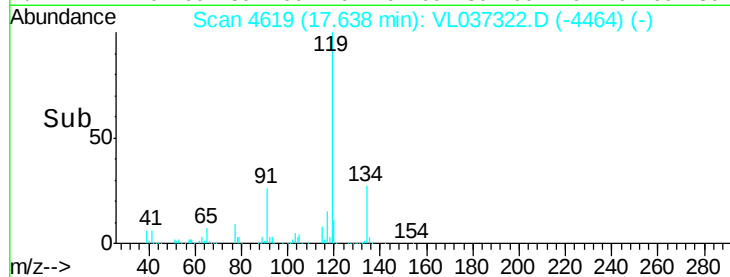
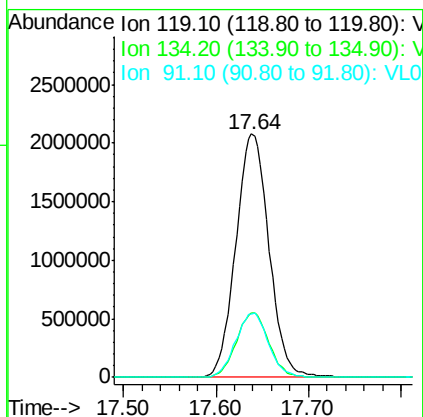
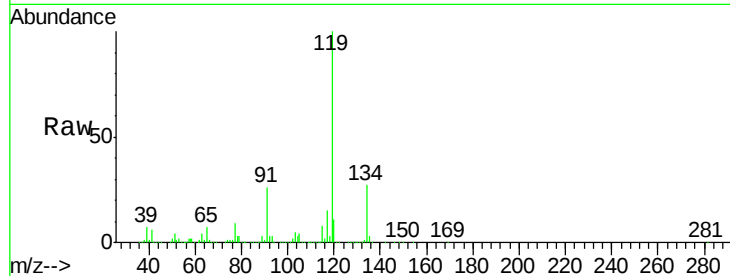
#69
 p-Isopropyltoluene
 Concen: 8.944 ppbv
 RT: 17.64 min Scan# 4619
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0804ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.2	21.0	31.6
91	26.1	20.5	30.7

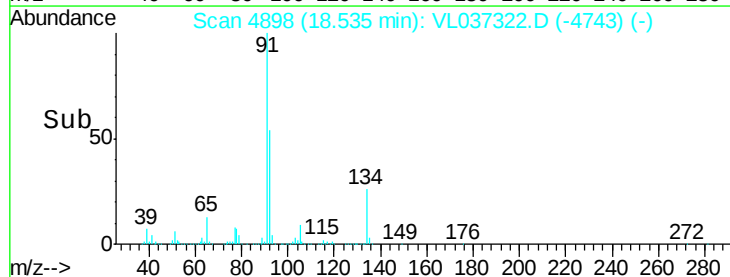
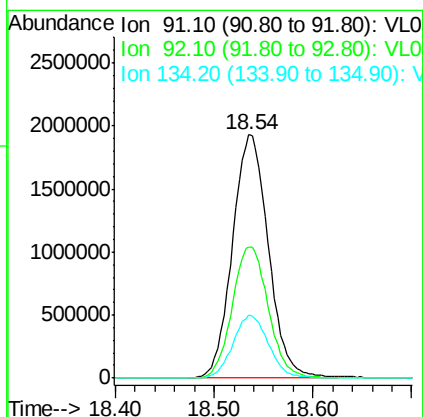
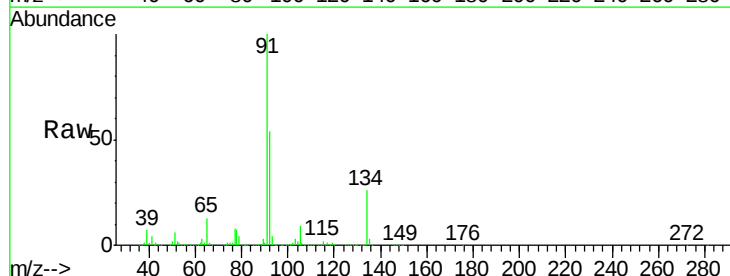
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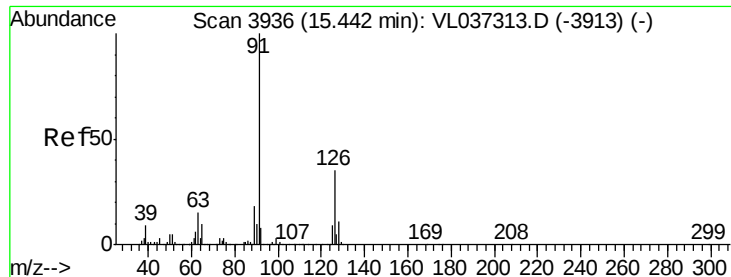
MMDadoda
 8/5/2021 1:40:25 PM



#70
 n-Butylbenzene
 Concen: 9.232 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.1	66.1
134	25.7	20.6	31.0





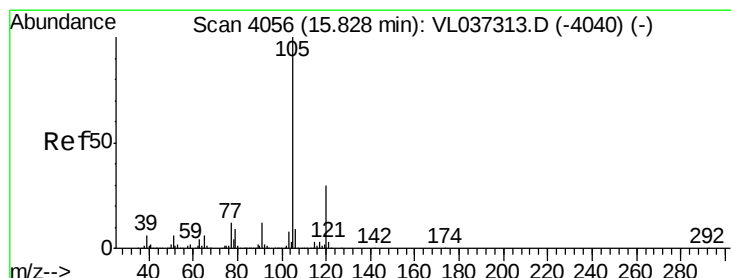
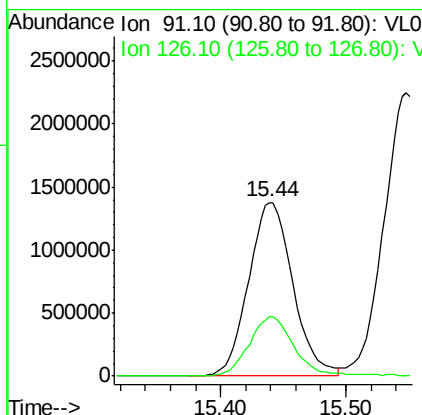
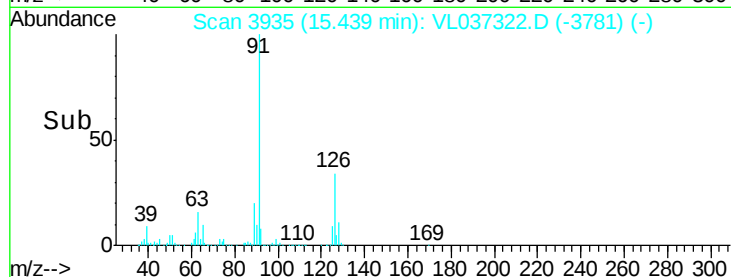
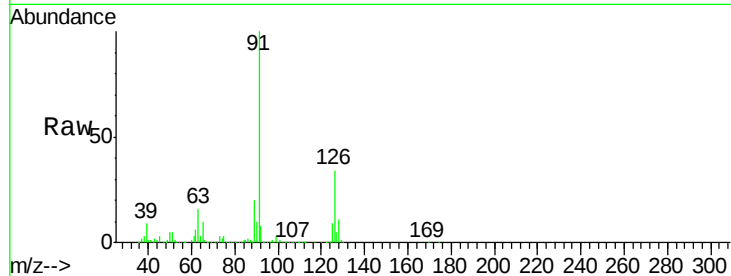
#71
 2-Chlorotoluene
 Concen: 8.811 ppbv
 RT: 15.44 min Scan# 3935
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0804ABS01

Tot Ion: 91 Resp: 3390109
 Ion Ratio Lower Upper
 91 100
 126 35.6 14.3 57.1

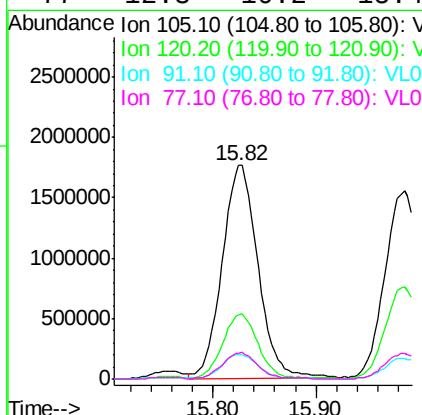
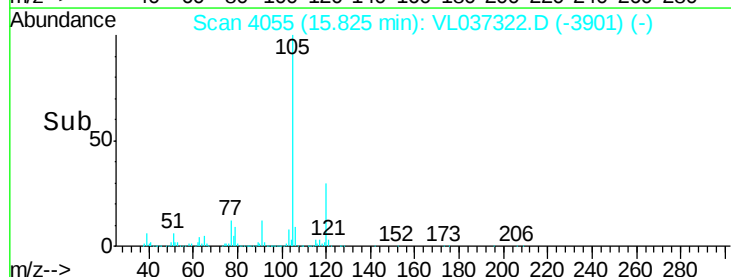
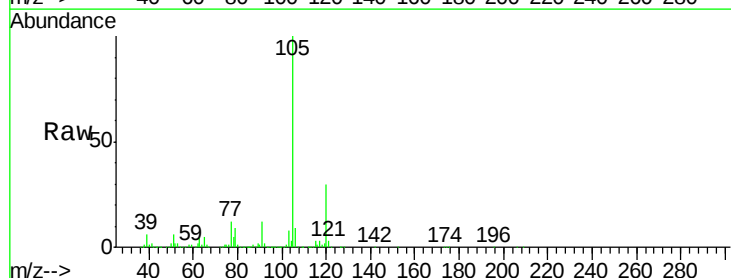
Manual Integrations
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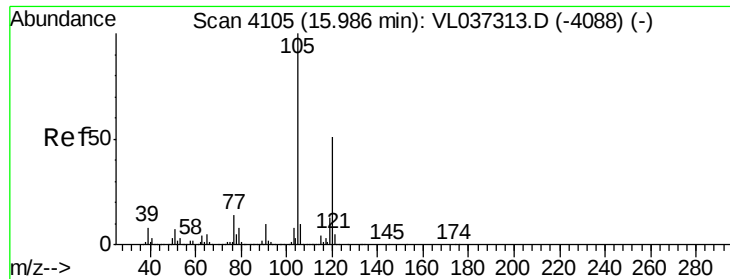
MMDadoda
 8/5/2021 1:40:25 PM



#72
 4-Ethyltoluene
 Concen: 9.264 ppbv
 RT: 15.82 min Scan# 4055
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Tgt Ion: 105 Resp: 4240790
 Ion Ratio Lower Upper
 105 100
 120 30.9 25.6 38.4
 91 11.4 9.4 14.2
 77 12.3 10.2 15.4





#73

1,3,5-Trimethylbenzene

Concen: 9.048 ppbv

RT: 15.99 min Scan# 4105

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

ClientSampleId :

VL0804ABS01

Tot Ion:105 Resp: 3723796

Ion Ratio Lower Upper

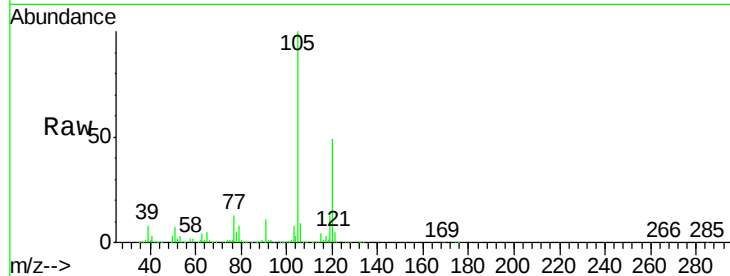
105 100

120 49.3 40.4 60.6

Manual Integrations
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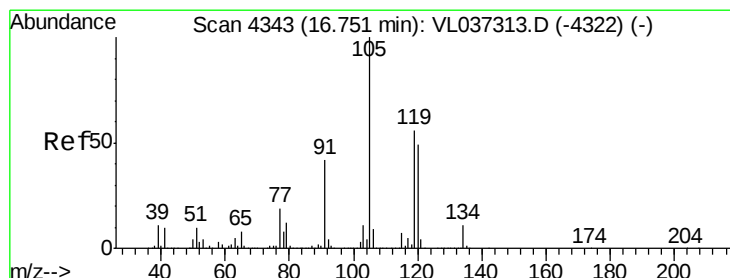
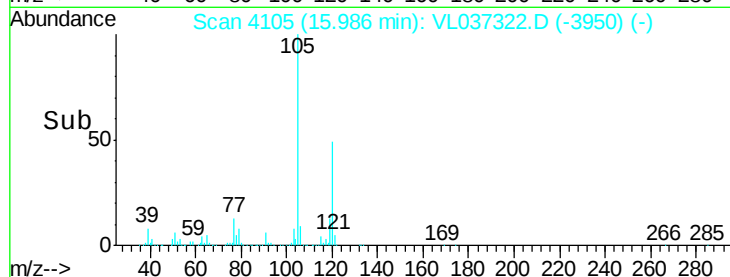
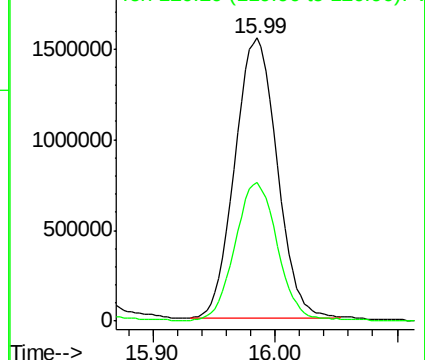
MMDadoda

8/5/2021 1:40:25 PM



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: 8.996 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Tgt Ion:105 Resp: 3951352

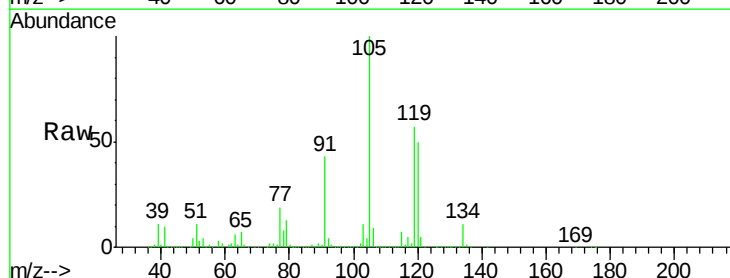
Ion Ratio Lower Upper

105 100

120 49.9 39.6 59.4

91 42.7 34.5 51.7

77 19.1 15.3 22.9

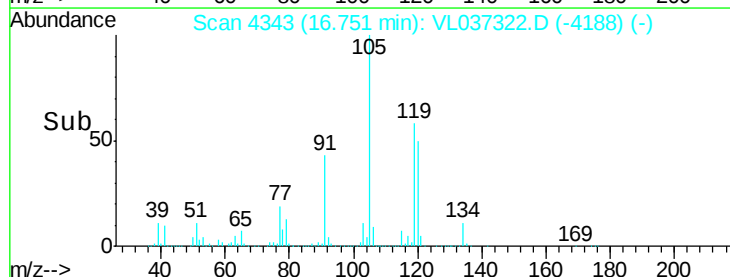
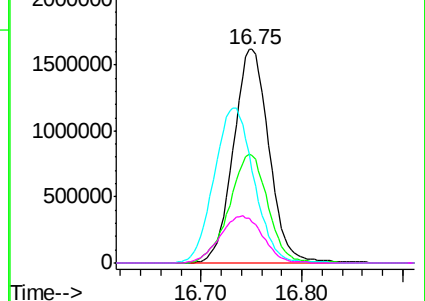


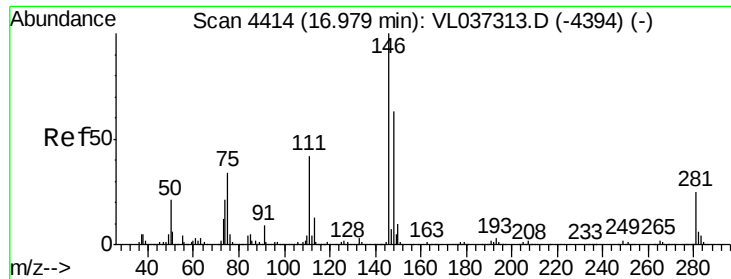
Abundance Ion 105.10 (104.80 to 105.80): V

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





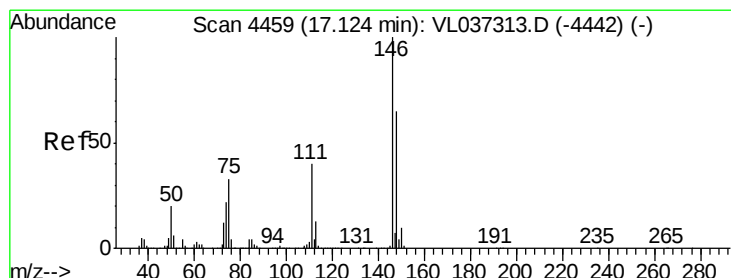
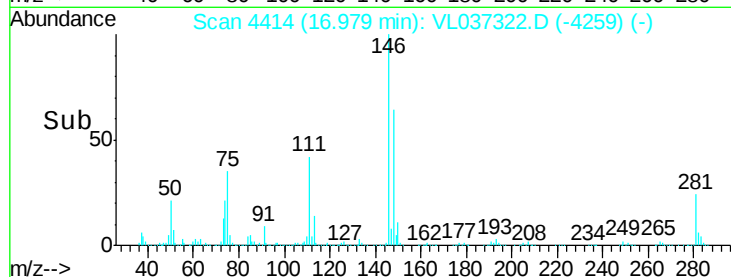
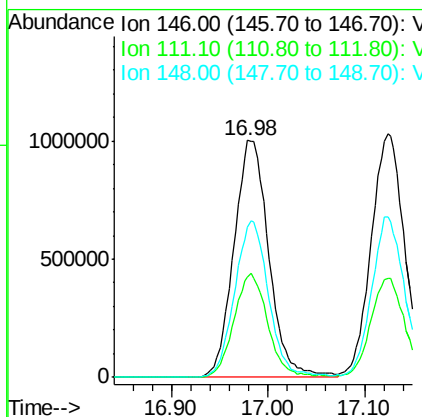
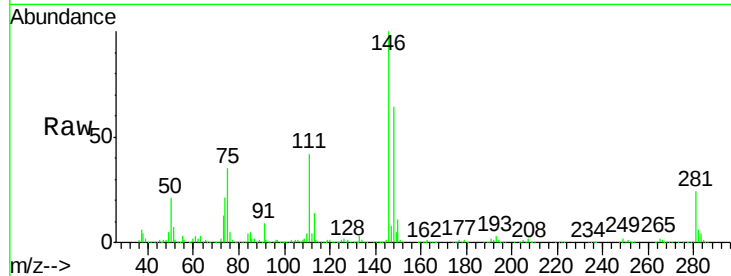
#75
 1,3-Dichlorobenzene
 Concen: 9.339 ppbv
 RT: 16.98 min Scan# 4414
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0804ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.4	64.3
148	64.1	32.6	97.7

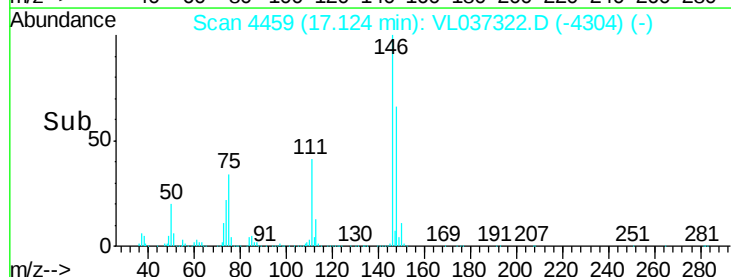
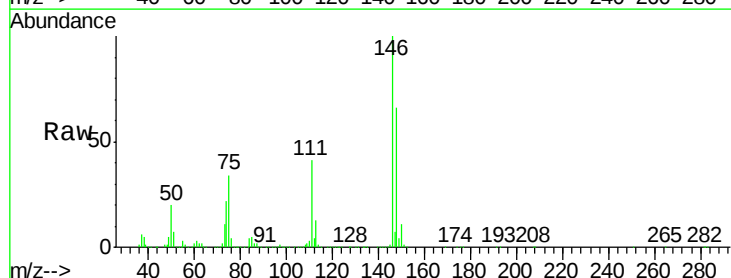
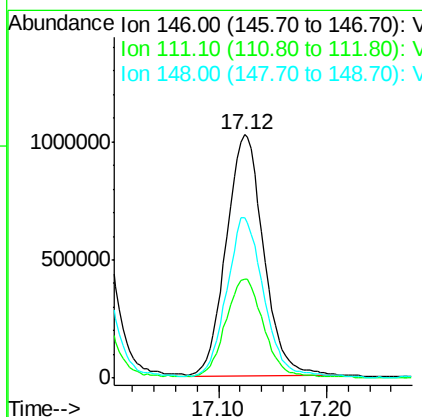
Manual Integrations
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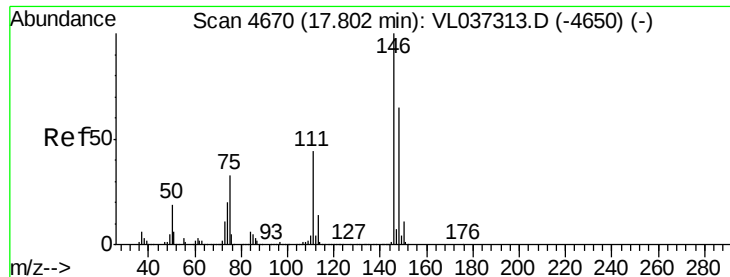
MMDadoda
 8/5/2021 1:40:25 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.236 ppbv
 RT: 17.12 min Scan# 4459
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.0	63.0
148	66.3	33.5	100.4





#77

1,2-Dichlorobenzene

Concen: 9.221 ppbv

RT: 17.80 min Scan# 4670

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

ClientSampleId :

VL0804ABS01

Tot Ion:146 Resp: 2424801

Ion Ratio Lower Upper

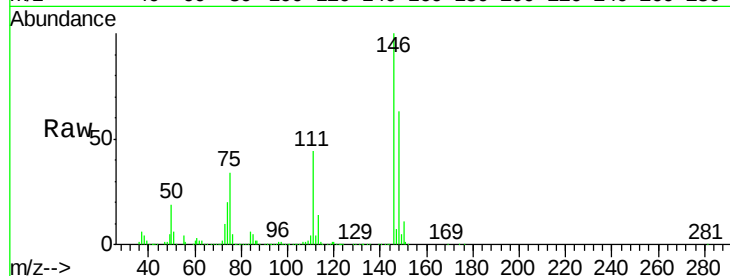
146 100

111 45.0 22.1 66.5

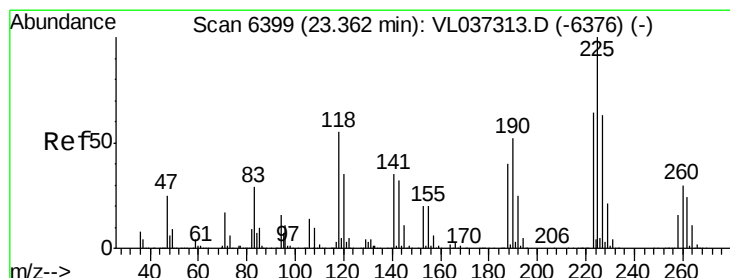
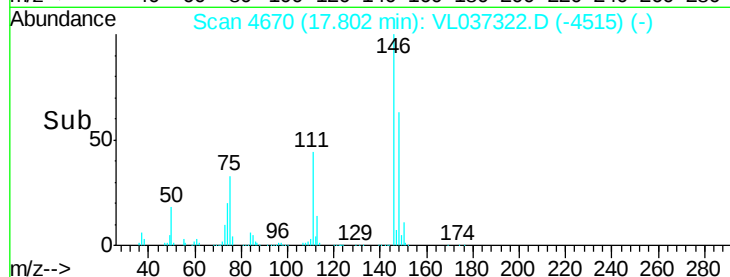
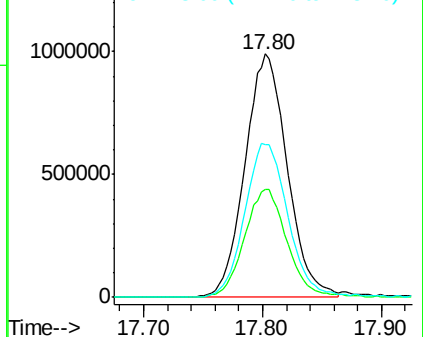
148 65.3 32.5 97.4

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



#78

Hexachloro-1,3-Butadiene

Concen: 8.482 ppbv

RT: 23.36 min Scan# 6398

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

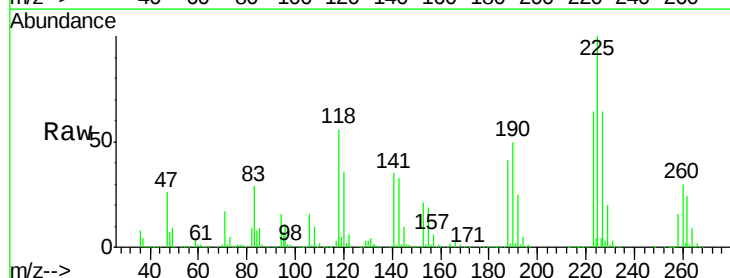
Tgt Ion:225 Resp: 2003074

Ion Ratio Lower Upper

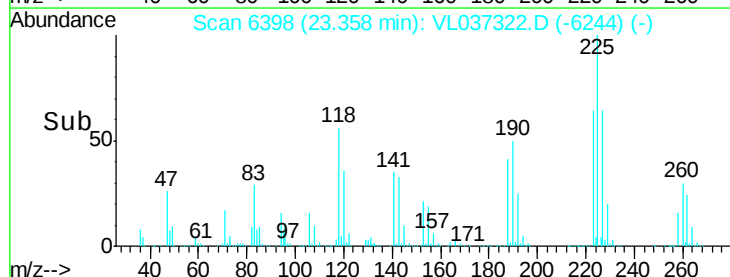
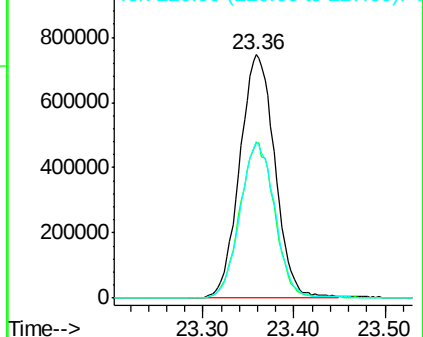
225 100

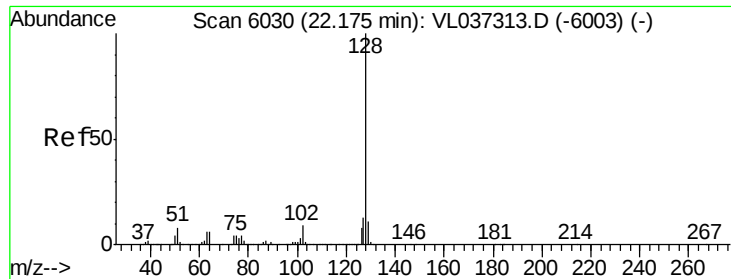
223 63.7 51.1 76.7

227 64.0 51.9 77.9



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 10.741 ppbv

RT: 22.18 min Scan# 6031

Delta R.T. 0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

Instrument :

MSVOA_L

ClientSampleId :

VL0804ABS01

Tot Ion:128 Resp: 4330214

Ion Ratio Lower Upper

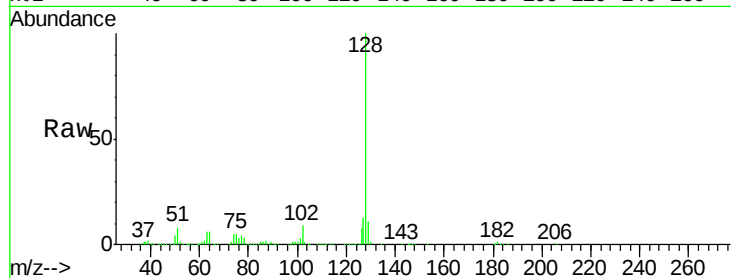
128 100

127 12.8 10.3 15.5

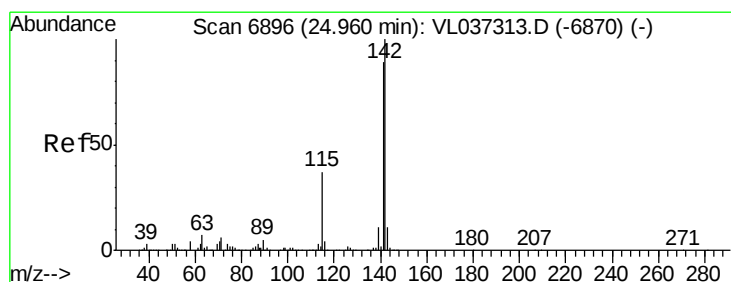
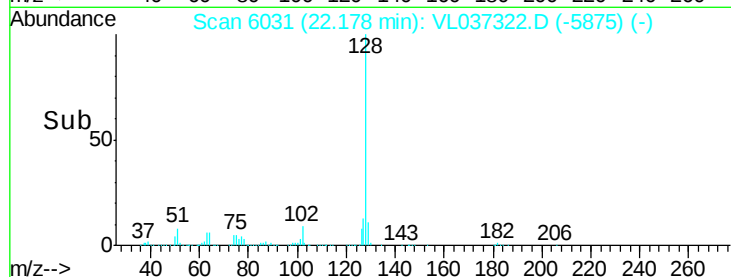
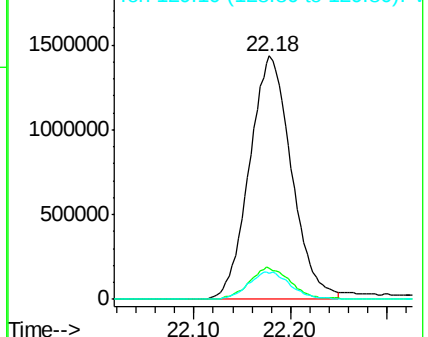
129 10.8 8.6 12.8

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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 15.193 ppbv

RT: 24.96 min Scan# 6896

Delta R.T. -0.00 min

Lab File: VL037322.D

Acq: 5 Aug 2021 00:31

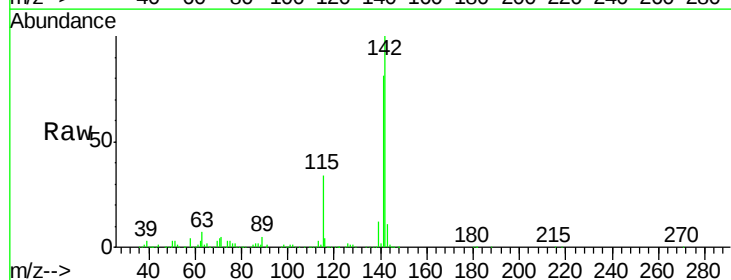
Tgt Ion:142 Resp: 995373

Ion Ratio Lower Upper

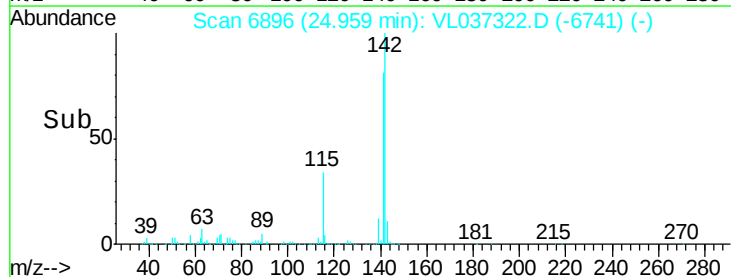
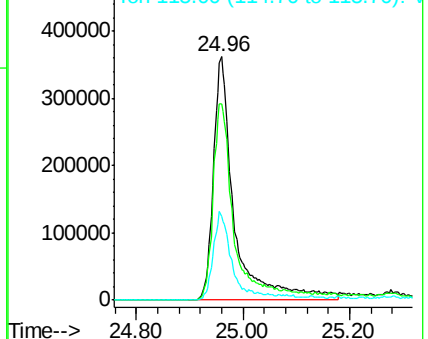
142 100

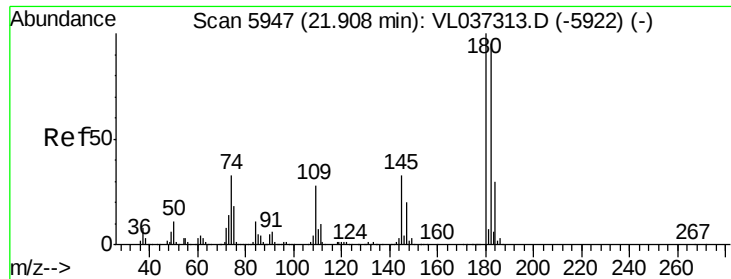
141 82.5 67.2 100.8

115 34.8 27.9 41.9



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 10.044 ppbv
 RT: 21.91 min Scan# 5947
 Delta R.T. -0.00 min
 Lab File: VL037322.D
 Acq: 5 Aug 2021 00:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0804ABS01

Tot Ion:	180	Resp:	2352237
Ion Ratio	Lower	Upper	
180	100		
182	97.9	78.0	117.0
184	31.6	25.0	37.4

Manual Integrations
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