

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081821\
 Data File : VL037493.D
 Acq On : 18 Aug 2021 16:18
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
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 8/19/2021 5:58:02 PM

Quant Time: Aug 19 08:56:16 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 18 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1441866	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4272192	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3937787m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2911018	10.41	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1968229	8.508	ppbv	95
3) Chlorodifluoromethane	2.99	51	2542494	9.209	ppbv	99
4) Chloromethane	3.14	50	949204	9.621	ppbv	99
5) Vinyl Chloride	3.25	62	948191	9.380	ppbv	97
6) Bromomethane	3.47	94	524343	9.470	ppbv	99
7) Chloroethane	3.55	64	327446	9.491	ppbv	92
8) Dichlorotetrafluoroethane	3.18	85	2207752	9.244	ppbv	99
9) Propene	3.01	41	886357	8.972	ppbv	99
10) Heptane	8.11	43	2241125	9.856	ppbv	100
11) Trichlorofluoromethane	3.94	101	2029913	9.348	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1560659	9.794	ppbv	99
13) Ethanol	3.61	45	85907	8.937	ppbv	80
14) Bromoethene	3.73	108	696347	9.625	ppbv	99
15) Acetone	3.84	43	1202150	8.192	ppbv	99
16) 1,3-Butadiene	3.32	39	923106	9.807	ppbv	98
17) tert-Butyl alcohol	4.28	59	1401046	10.452	ppbv	100
18) 1,1-Dichloroethene	4.28	96	698642	9.651	ppbv	100
19) Isopropyl Alcohol	3.96	45	825307	9.817	ppbv #	99
20) Methylene Chloride	4.33	84	586200	7.979	ppbv	97
21) Allyl Chloride	4.40	41	1089138	9.138	ppbv	93
22) trans-1,2-Dichloroethene	4.88	96	726697	10.062	ppbv	97
23) Vinyl Acetate	5.06	43	1791048	8.281	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1438176	9.168	ppbv	99
25) Ethyl Acetate	5.67	43	3510289	9.423	ppbv	100
26) Hexane	5.68	57	1676208	9.203	ppbv	99
27) Carbon Disulfide	4.54	76	1738433	10.710	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1436856	8.214	ppbv	98
29) Chloroform	5.74	83	2457581	9.521	ppbv	98
30) Cyclohexane	7.12	84	1398849	9.218	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1604095	9.731	ppbv	97
32) 1,1,1-Trichloroethane	6.50	97	2397835	9.455	ppbv	99
34) 2-Butanone	5.24	43	1504178	8.622	ppbv	96
35) Carbon Tetrachloride	7.01	117	2509001	9.937	ppbv	99
36) Benzene	6.88	78	3505784	9.762	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1746496	9.818	ppbv	100
38) Trichloroethene	7.83	130	1394352	9.463	ppbv	98
39) 1,2-Dichloropropane	7.60	63	1339715	9.708	ppbv	96
40) 1,4-Dioxane	7.83	88	330878	9.787	ppbv #	100
41) Tetrahydrofuran	6.04	42	805917	9.590	ppbv	99
42) Bromodichloromethane	7.78	83	2628603	10.105	ppbv	94
43) Methyl Methacrylate	8.01	69	1243458	9.934	ppbv	96

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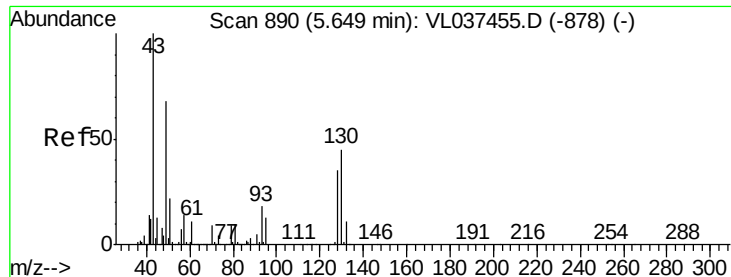
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5812223	9.616	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1089114	11.558	ppbv	95
46) cis-1,3-Dichloropropene	8.69	75	1421727	10.816	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1456549	9.768	ppbv	99
48) Dibromochloromethane	10.29	129	2296688	10.703	ppbv	100
49) Bromoform	13.03	173	1875968	11.091	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2302429	10.116	ppbv	99
51) 2-Hexanone	10.13	43	1096987	10.479	ppbv #	98
52) Tetrachloroethene	11.21	164	1298959	8.826	ppbv	98
53) Toluene	9.80	91	4090901	9.976	ppbv	100
54) 1,2-Dibromoethane	10.60	107	2052655	9.861	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1581150	9.636	ppbv	97
57) Chlorobenzene	12.13	112	3046820	9.324	ppbv	99
58) Ethyl Benzene	12.70	91	5343214	9.778	ppbv	99
59) m/p-Xylene	12.98	91	8958523m	18.910	ppbv	
60) o-Xylene	13.68	91	4088602	9.247	ppbv	99
61) Styrene	13.51	104	2361179	10.280	ppbv	100
62) Isopropylbenzene	14.65	105	5795637	9.287	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	3096335	9.422	ppbv	99
64) n-propylbenzene	15.55	120	1522734	9.588	ppbv	94
65) tert-Butylbenzene	16.73	119	5289439	9.307	ppbv	99
66) Benzyl Chloride	16.97	91	364175m	14.165	ppbv	
67) sec-Butylbenzene	17.28	105	7404797	9.325	ppbv	100
69) p-Isopropyltoluene	17.64	119	6251301	9.660	ppbv	99
70) n-Butylbenzene	18.54	91	6118679	9.894	ppbv	100
71) 2-Chlorotoluene	15.44	91	4270765	9.333	ppbv	99
72) 4-Ethyltoluene	15.82	105	5142071	9.777	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4601206	9.399	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	4878947	9.379	ppbv	93
75) 1,3-Dichlorobenzene	16.98	146	2917056	9.316	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2838854	9.000	ppbv	95
77) 1,2-Dichlorobenzene	17.80	146	2898230	9.399	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2194345	8.559	ppbv	99
79) Naphthalene	22.17	128	3768606	10.825	ppbv	98
80) Naphthalene, 2-methyl-	24.95	142	1077207	11.107	ppbv	97
81) 1,2,4-Trichlorobenzene	21.90	180	2253229	10.314	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.01 min

Lab File: VL037493.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1441866

Ion Ratio Lower Upper

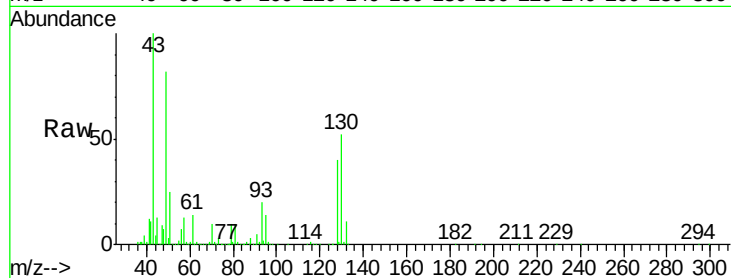
49 100

128 55.9 27.5 82.4

130 68.4 34.0 101.8

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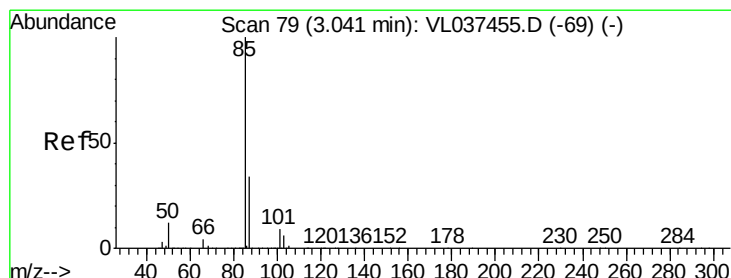
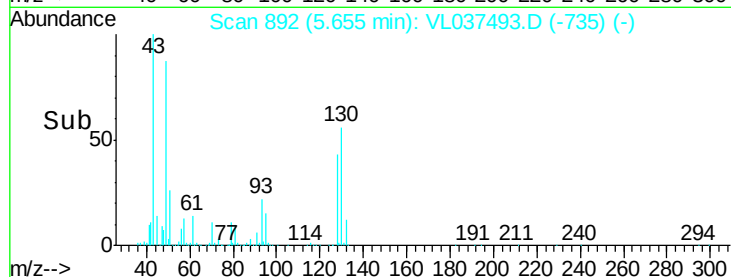
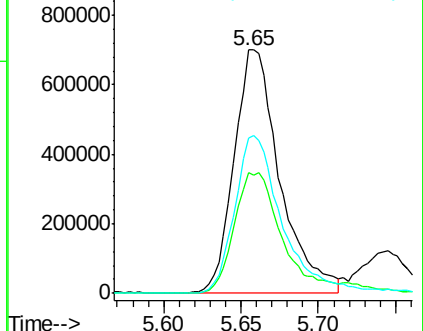
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.508 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL037493.D

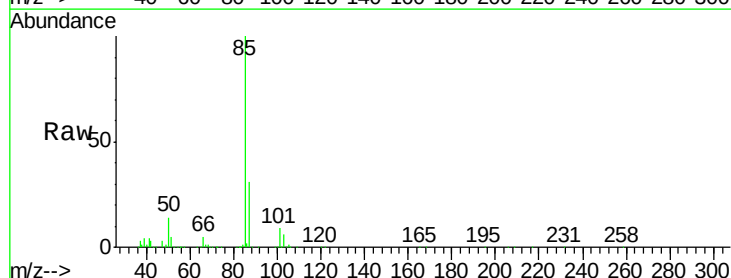
Acq: 18 Aug 2021 16:18

Tgt Ion: 85 Resp: 1968229

Ion Ratio Lower Upper

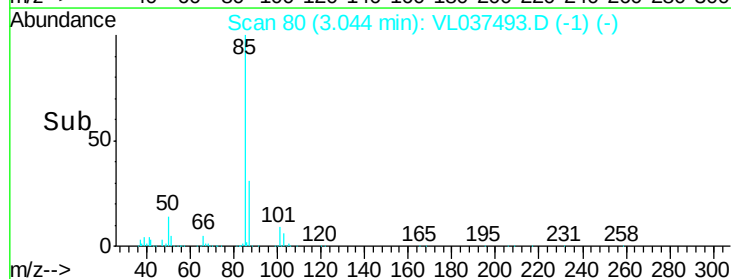
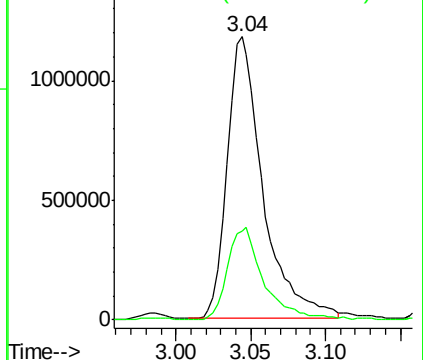
85 100

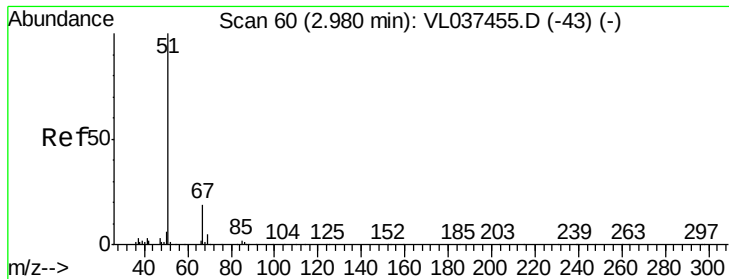
87 31.5 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.209 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 2542494

Ion Ratio Lower Upper

51 100

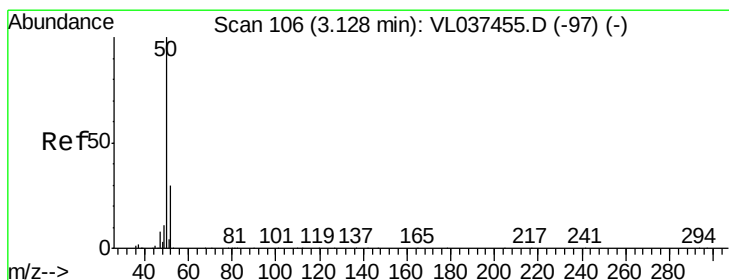
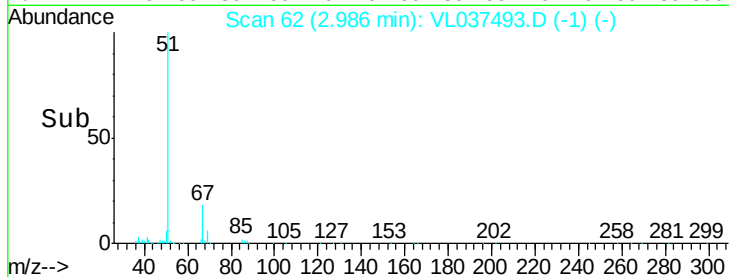
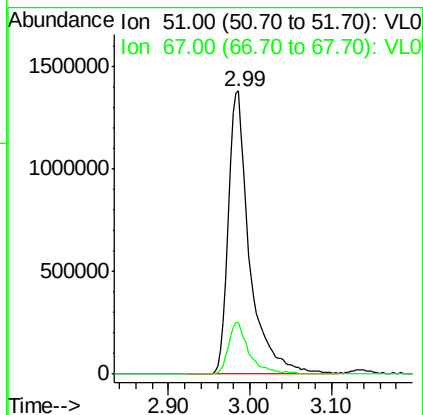
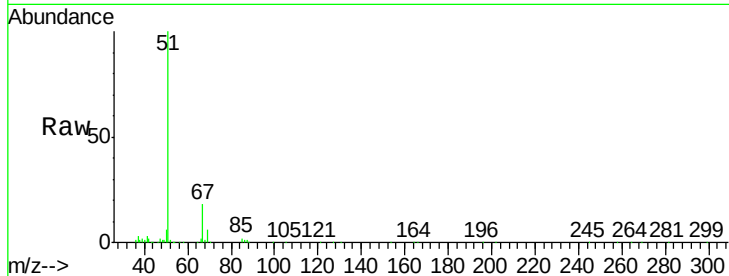
67 18.1 14.2 21.2

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#4

Chloromethane

Concen: 9.621 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.01 min

Lab File: VL037493.D

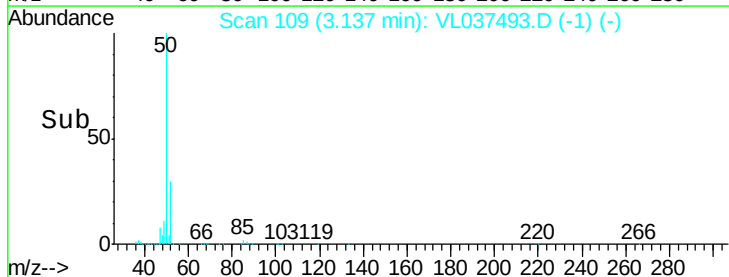
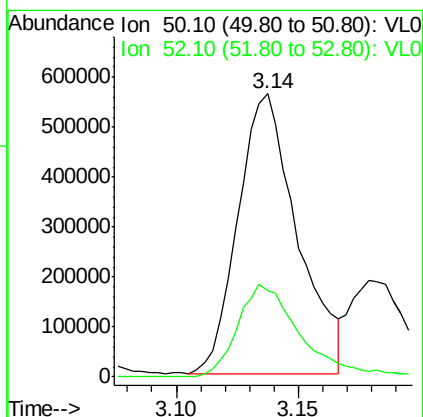
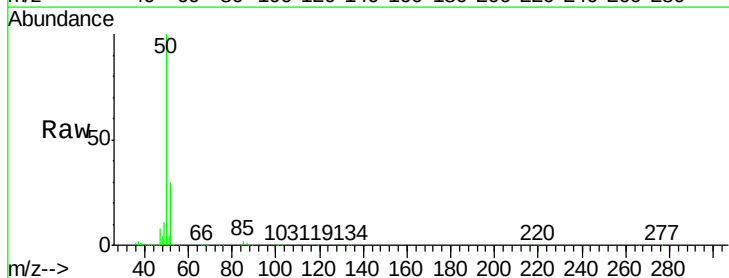
Acq: 18 Aug 2021 16:18

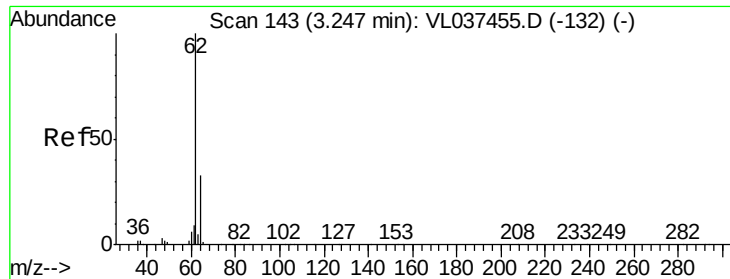
Tgt Ion: 50 Resp: 949204

Ion Ratio Lower Upper

50 100

52 30.5 24.0 36.0





#5

Vinyl Chloride

Concen: 9.380 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 948191

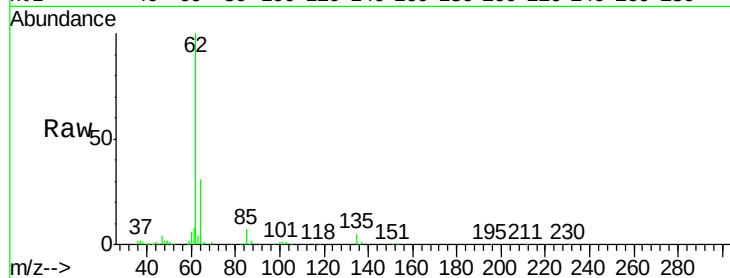
Ion Ratio Lower Upper

62 100

64 31.2 26.5 39.7

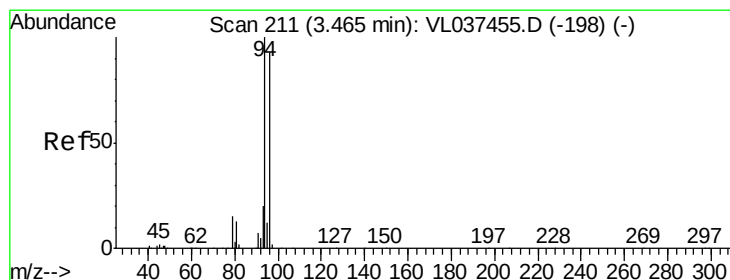
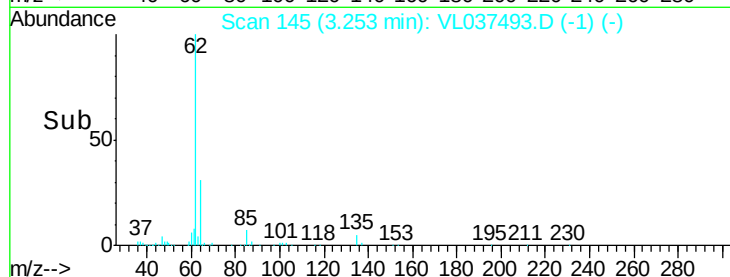
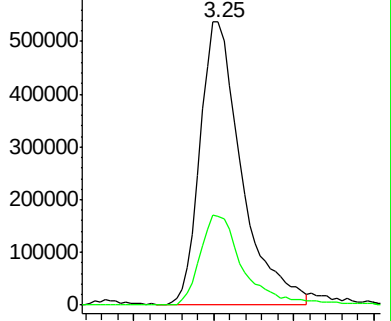
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.470 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL037493.D

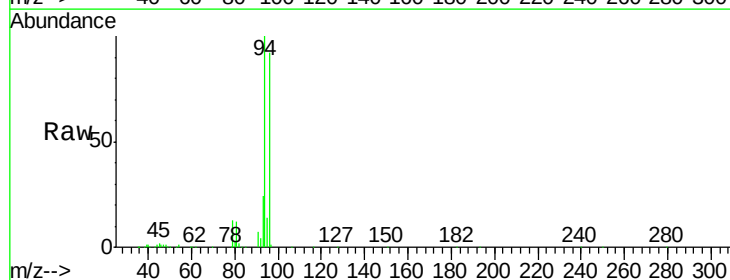
Acq: 18 Aug 2021 16:18

Tgt Ion: 94 Resp: 524343

Ion Ratio Lower Upper

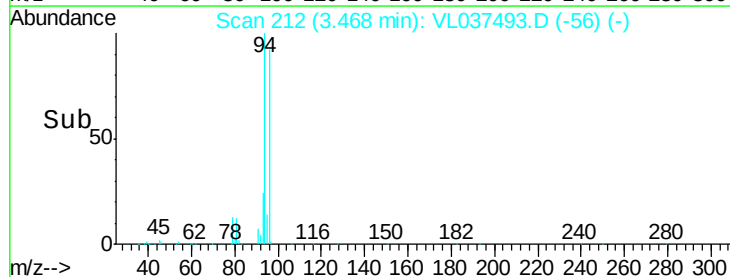
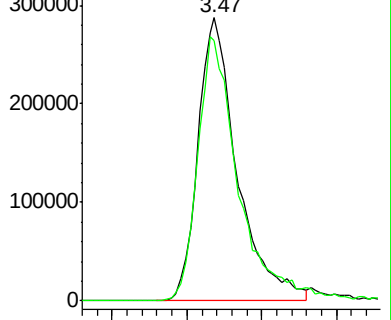
94 100

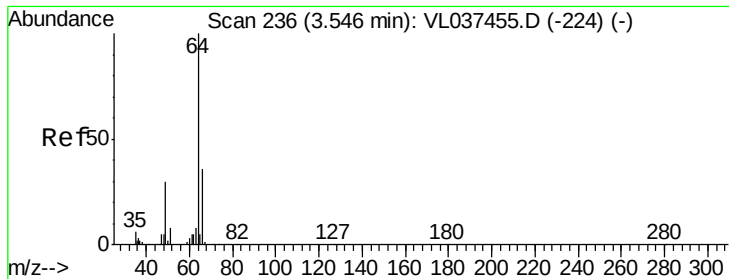
96 91.9 74.5 111.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.491 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 327446

Ion Ratio Lower Upper

64 100

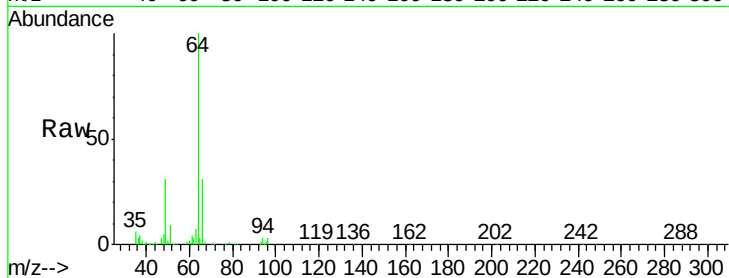
66 31.1 28.6 43.0

Manual Integrations

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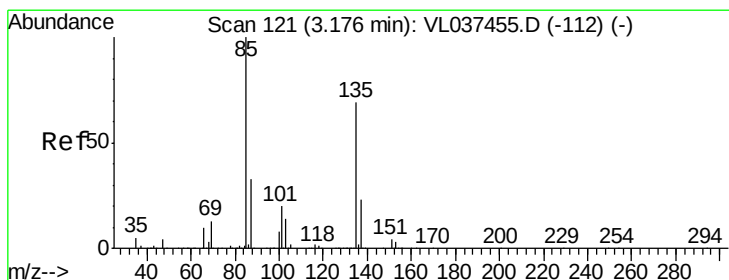
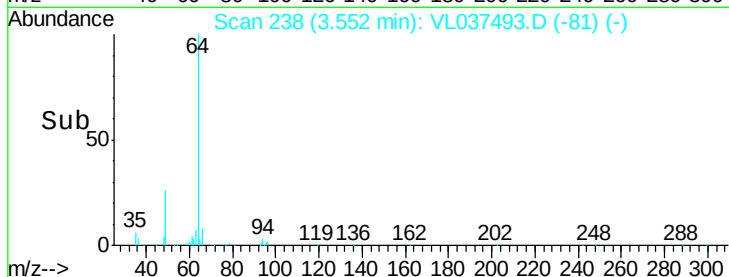
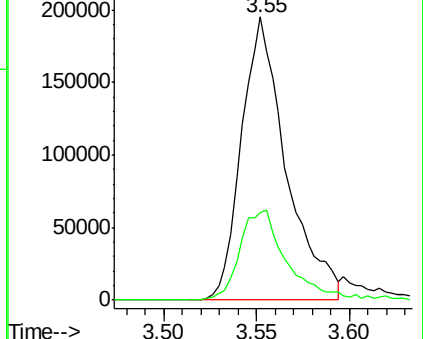
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.244 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.01 min

Lab File: VL037493.D

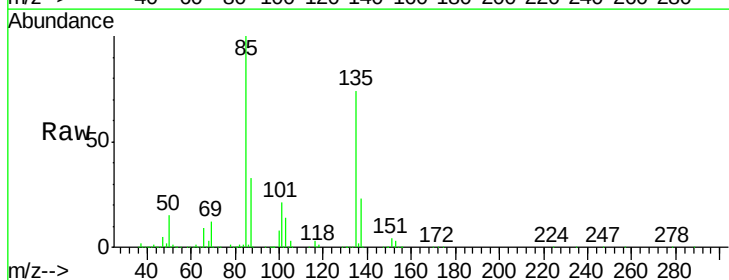
Acq: 18 Aug 2021 16:18

Tgt Ion: 85 Resp: 2207752

Ion Ratio Lower Upper

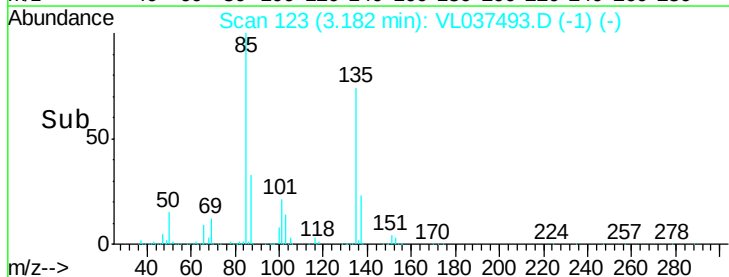
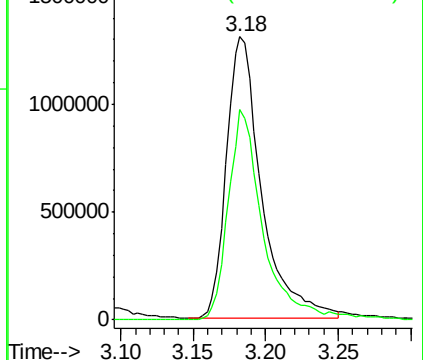
85 100

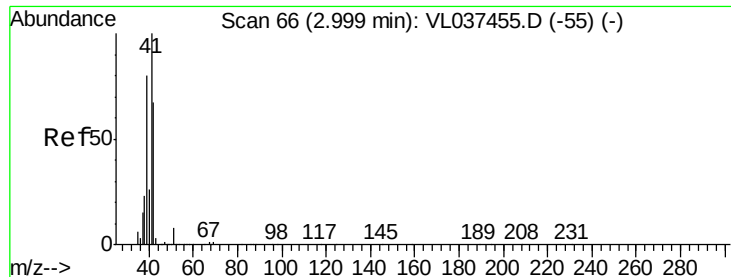
135 74.7 58.8 88.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





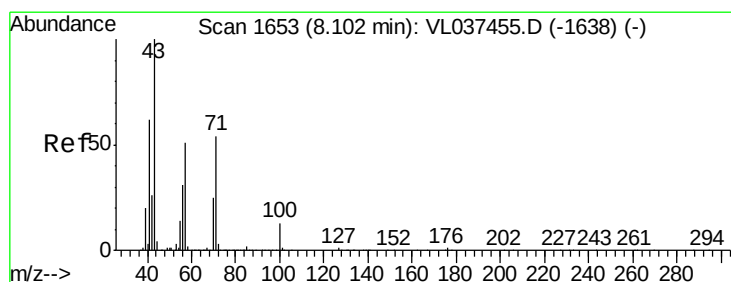
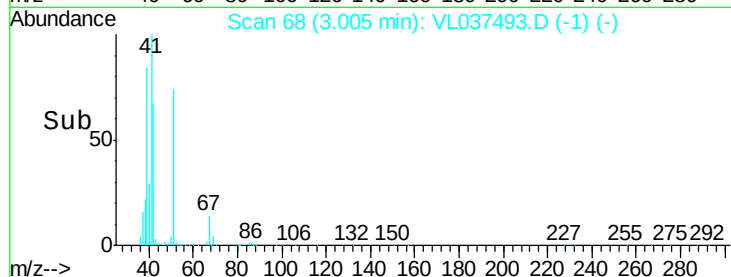
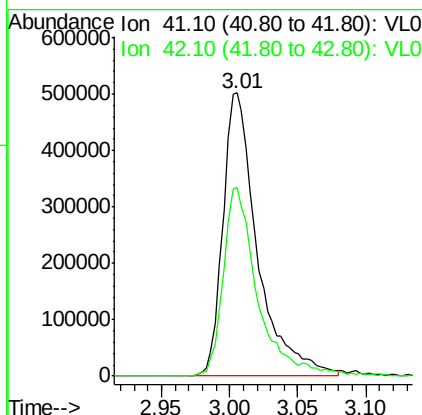
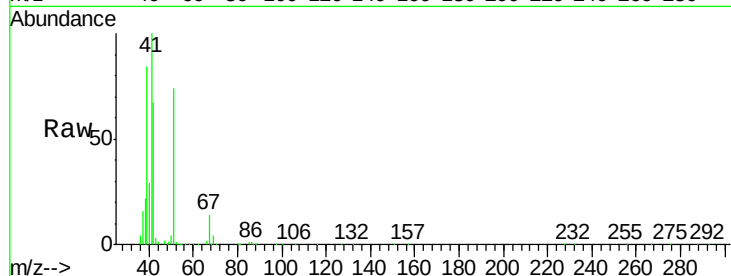
#9
 Propene
 Concen: 8.972 ppbv
 RT: 3.01 min Scan# 68
 Delta R.T. 0.01 min
 Lab File: VL037493.D
 Acq: 18 Aug 2021 16:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 41 Resp: 886357
 Ion Ratio Lower Upper
 41 100
 42 66.5 53.7 80.5

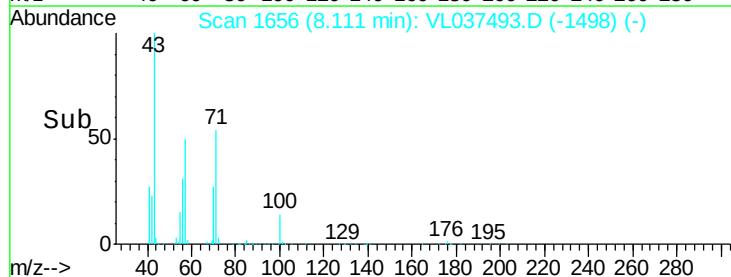
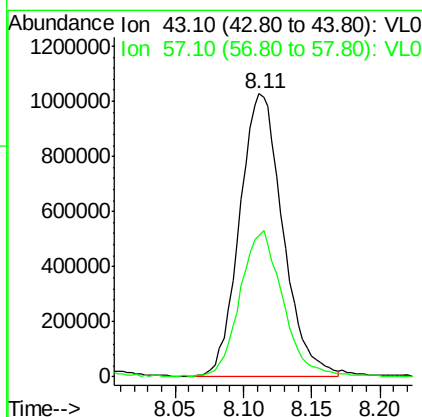
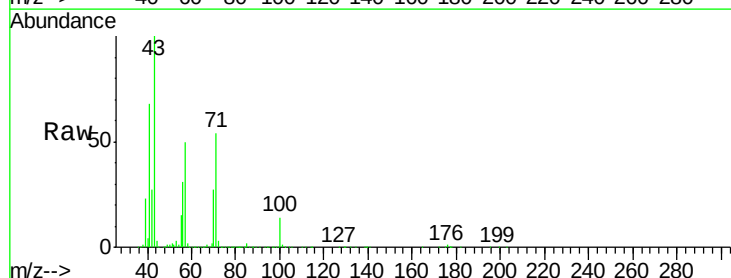
Manual Integrations
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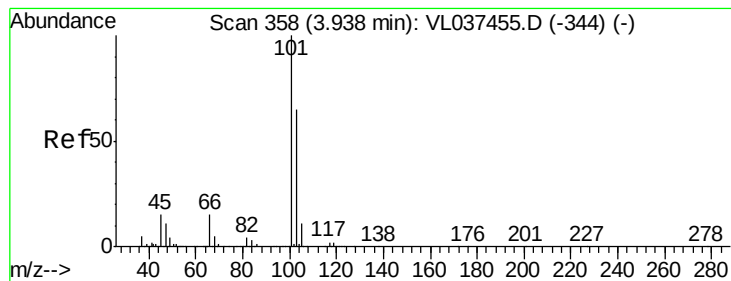
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#10
 Heptane
 Concen: 9.856 ppbv
 RT: 8.11 min Scan# 1656
 Delta R.T. 0.01 min
 Lab File: VL037493.D
 Acq: 18 Aug 2021 16:18

Tgt Ion: 43 Resp: 2241125
 Ion Ratio Lower Upper
 43 100
 57 51.5 41.0 61.6





#11

Trichlorofluoromethane

Concen: 9.348 ppbv

RT: 3.94 min Scan# 360

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:101 Resp: 2029913

Ion Ratio Lower Upper

101 100

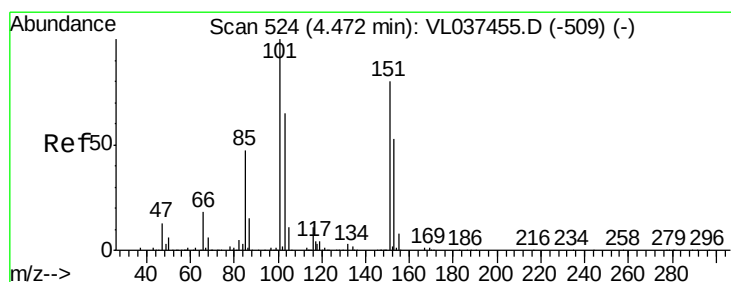
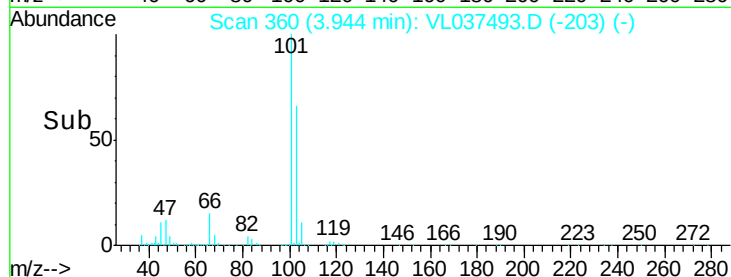
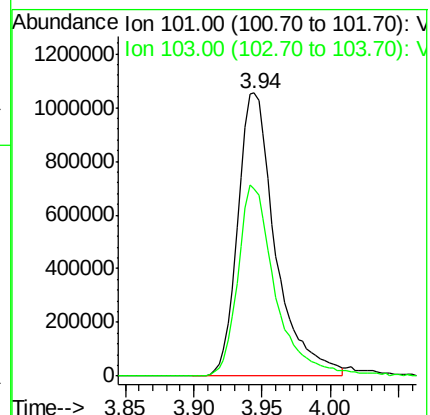
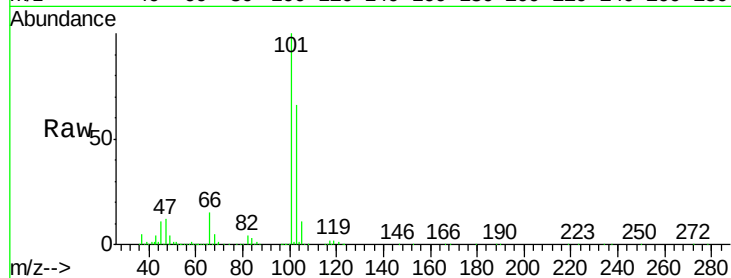
103 66.3 51.8 77.6

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.794 ppbv

RT: 4.48 min Scan# 526

Delta R.T. 0.01 min

Lab File: VL037493.D

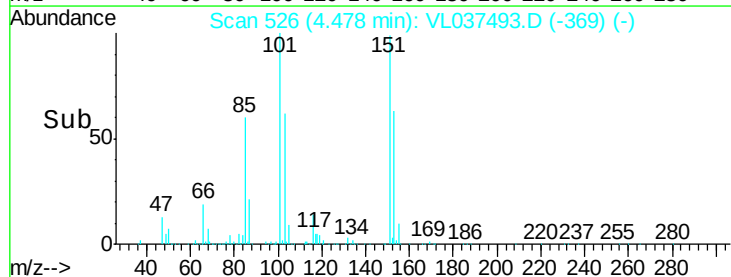
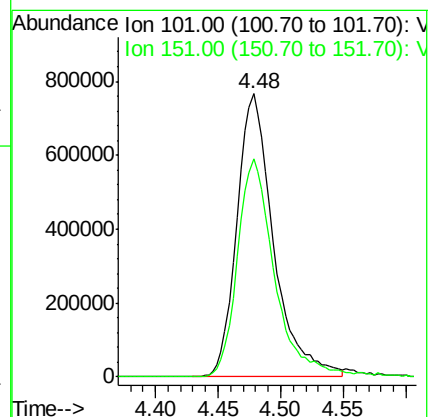
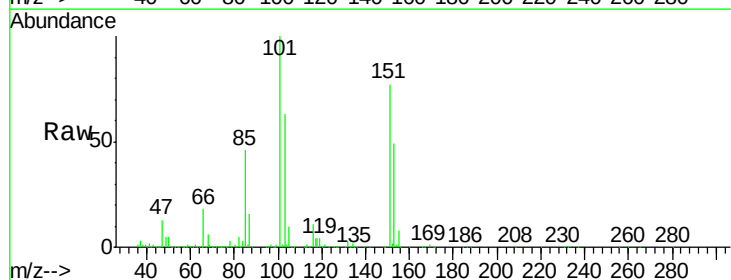
Acq: 18 Aug 2021 16:18

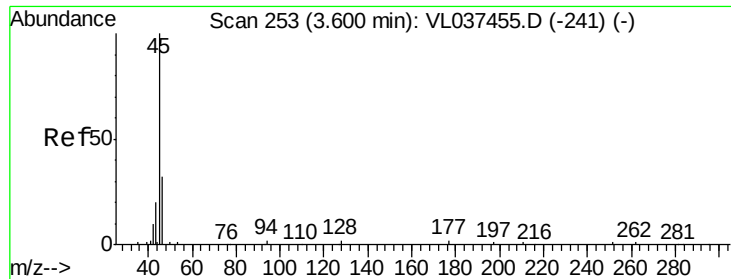
Tgt Ion:101 Resp: 1560659

Ion Ratio Lower Upper

101 100

151 78.7 63.7 95.5





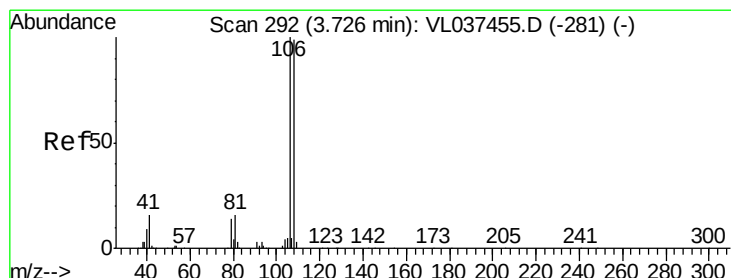
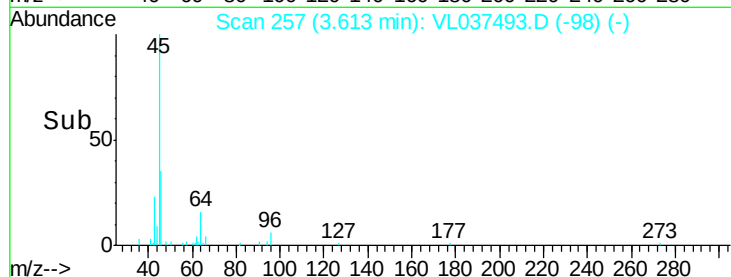
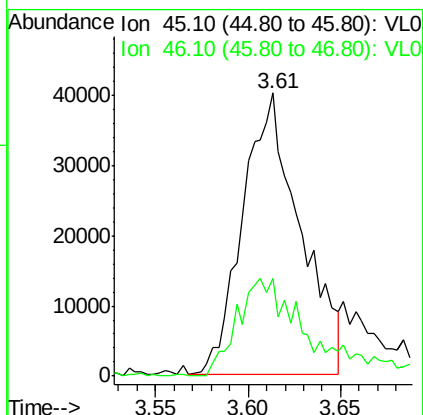
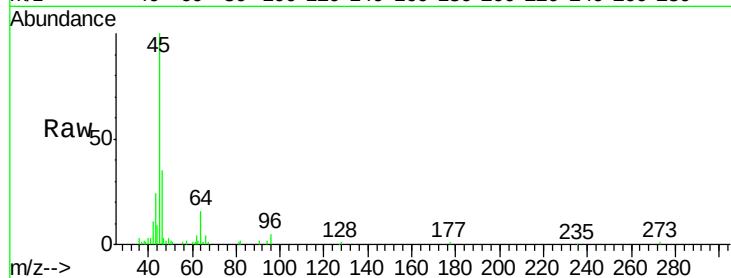
#13
Ethanol
Concen: 8.937 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
46	46.7	14.1	56.5

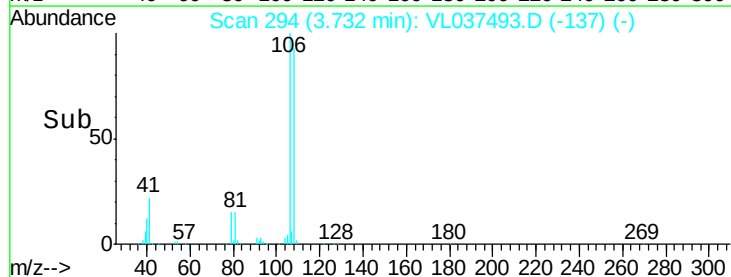
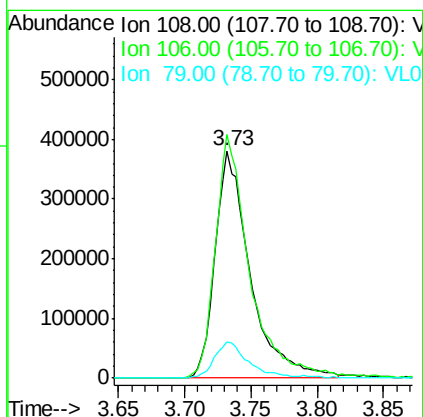
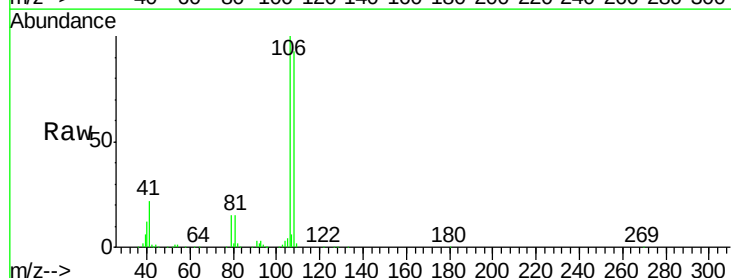
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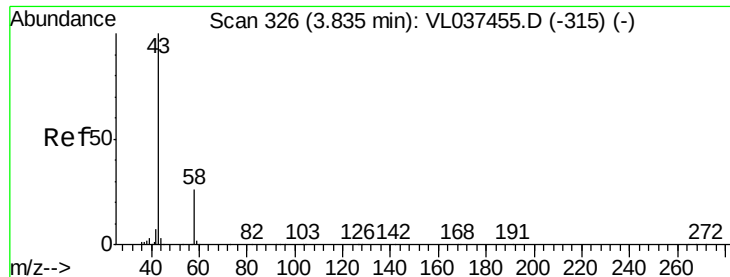
MMDadoda
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#14
Bromoethene
Concen: 9.625 ppbv
RT: 3.73 min Scan# 294
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.3	85.8	128.8
79	16.5	12.6	18.8





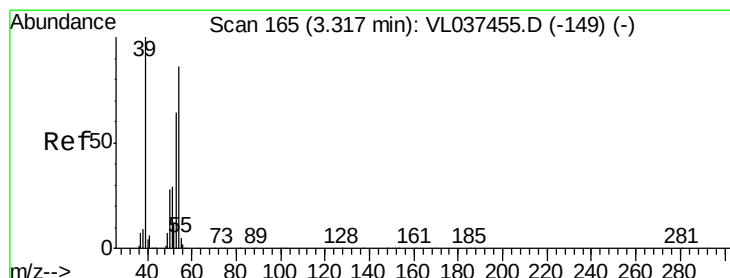
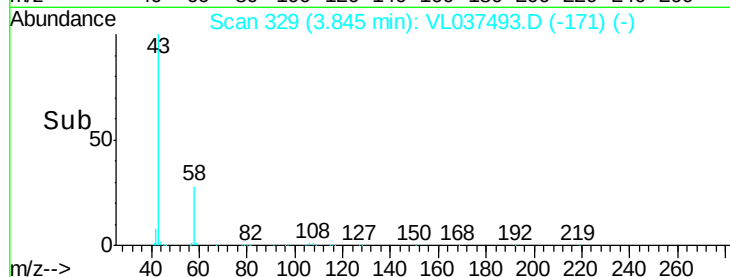
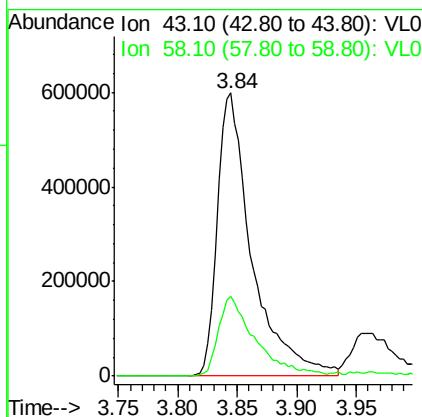
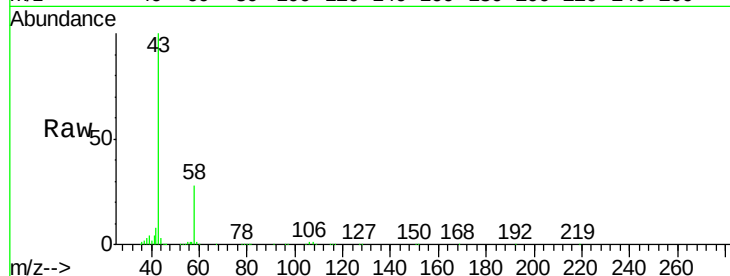
#15
Acetone
Concen: 8.192 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1202150
Ion Ratio Lower Upper
43 100
58 30.6 24.8 37.2

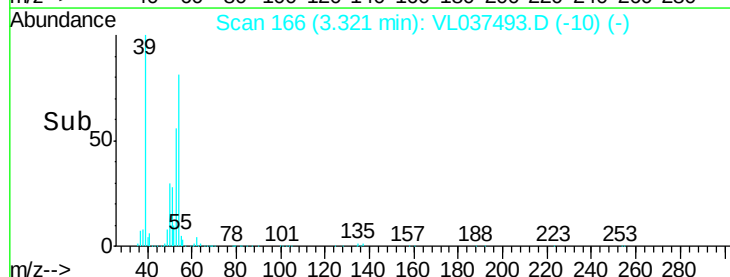
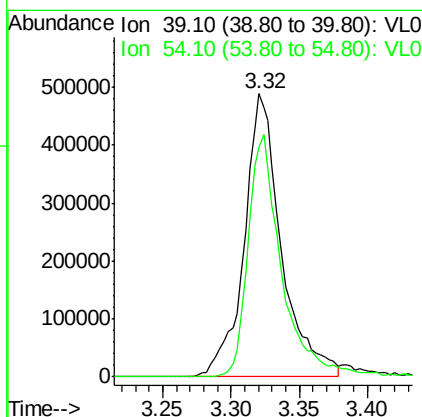
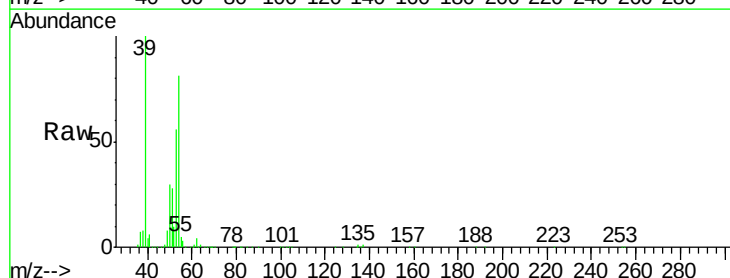
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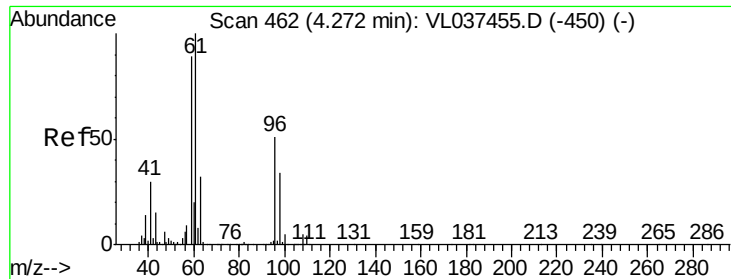
MMDadoda
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#16
1,3-Butadiene
Concen: 9.807 ppbv
RT: 3.32 min Scan# 166
Delta R.T. 0.00 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Tgt Ion: 39 Resp: 923106
Ion Ratio Lower Upper
39 100
54 78.1 63.7 95.5





#17

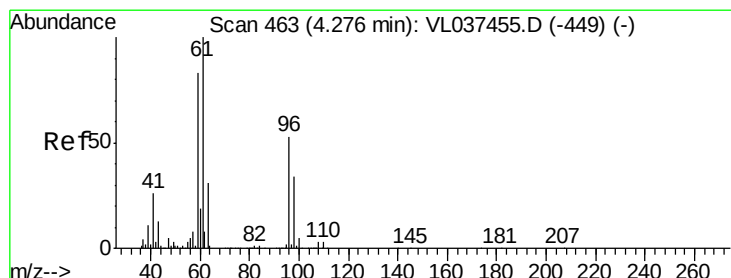
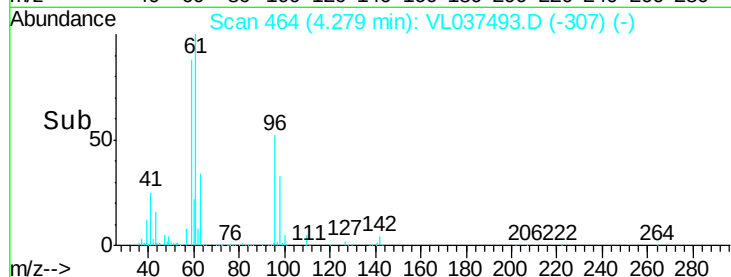
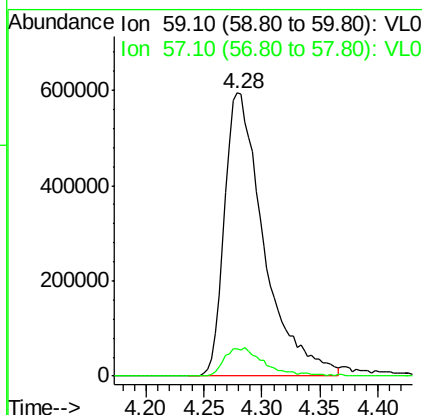
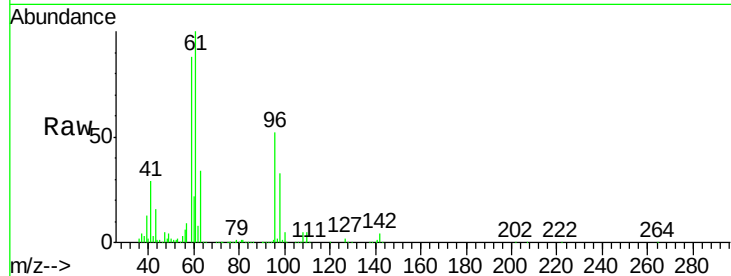
tert-Butyl alcohol
Concen: 10.452 ppbv
RT: 4.28 min Scan# 464
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1401046
Ion Ratio Lower Upper
59 100
57 10.6 8.3 12.5

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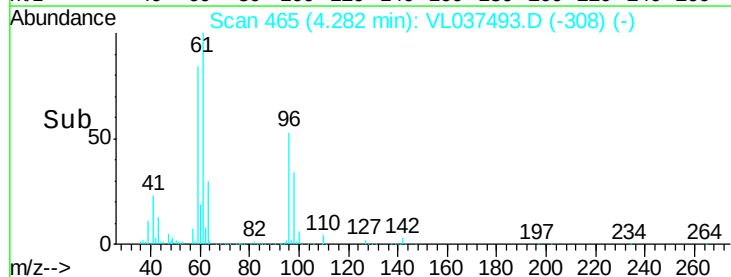
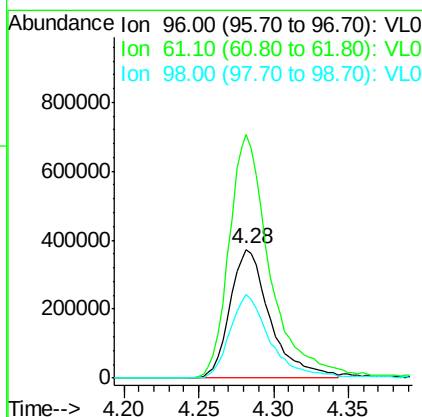
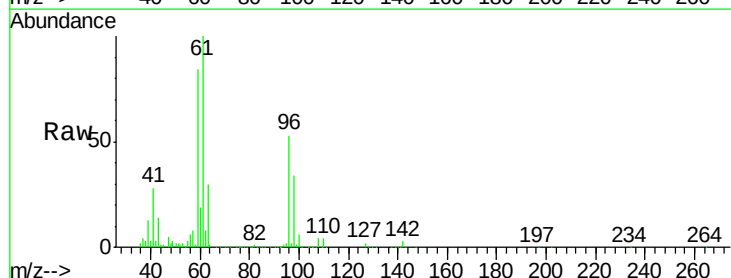
MMDadoda
8/19/2021 5:58:02 PM

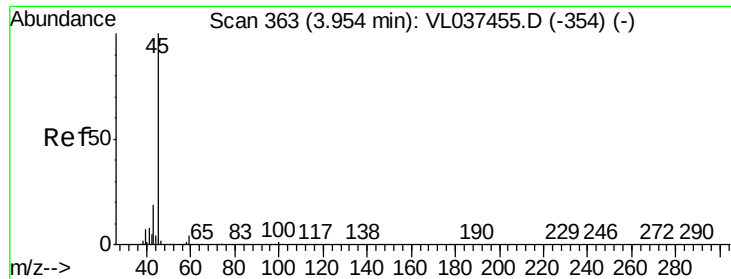


#18

1,1-Dichloroethene
Concen: 9.651 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Tgt Ion: 96 Resp: 698642
Ion Ratio Lower Upper
96 100
61 188.8 151.1 226.7
98 64.5 51.8 77.8





#19

Isopropyl Alcohol

Concen: 9.817 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 825307

Ion Ratio Lower Upper

45 100

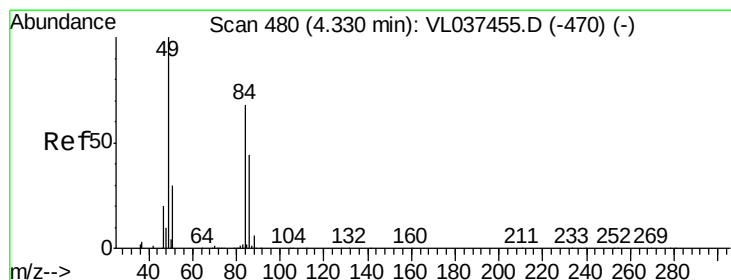
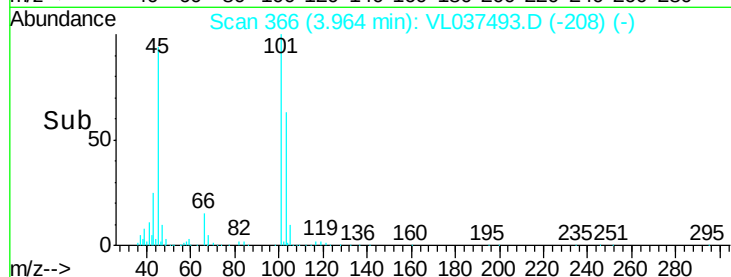
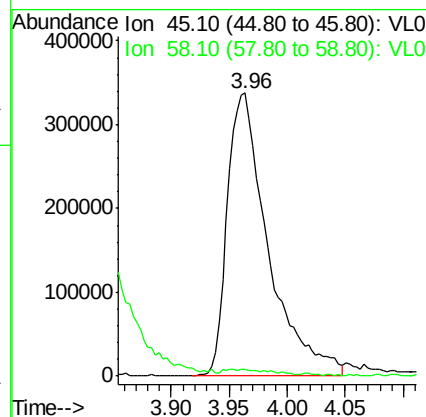
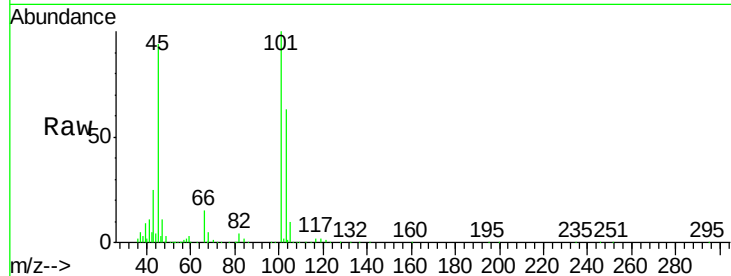
58 2.2 1.4 2.2#

Manual Integrations

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#20

Methylene Chloride

Concen: 7.979 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Tgt Ion: 84 Resp: 586200

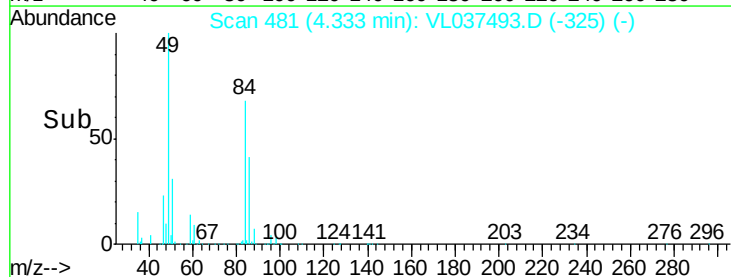
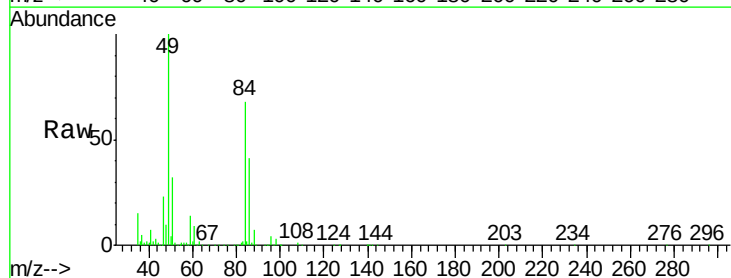
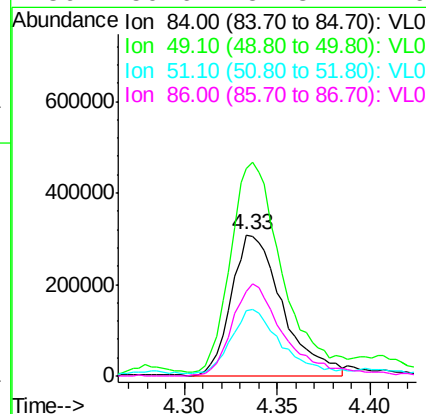
Ion Ratio Lower Upper

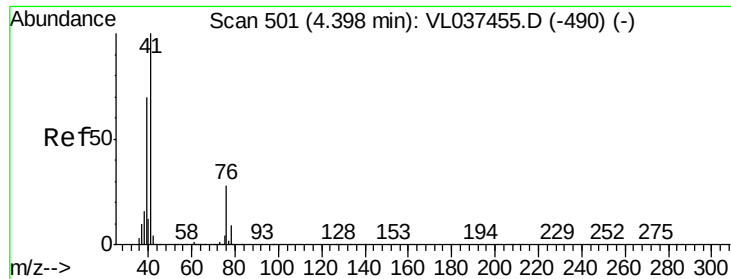
84 100

49 144.9 118.2 177.2

51 45.0 36.6 55.0

86 59.6 51.8 77.6





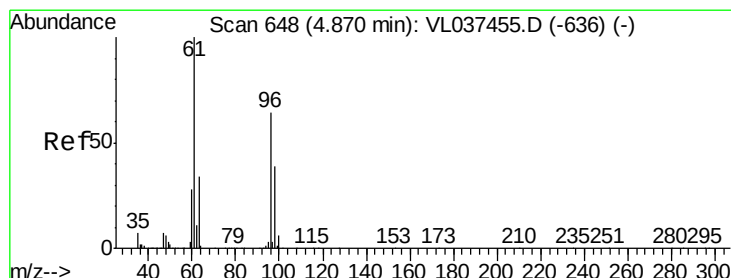
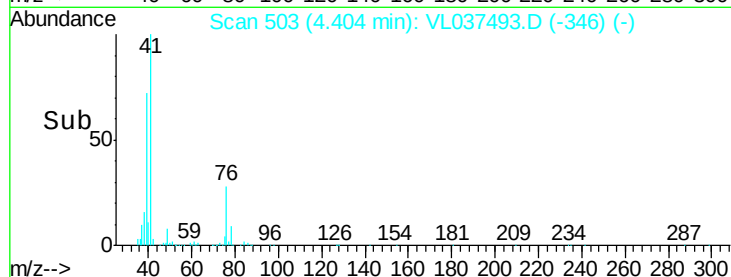
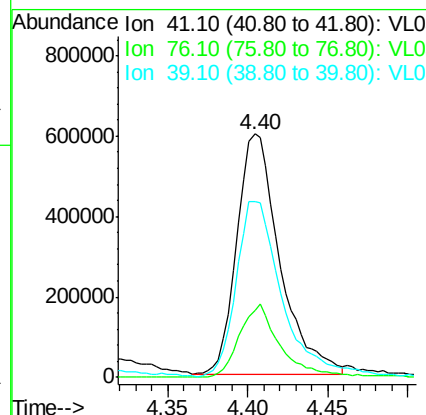
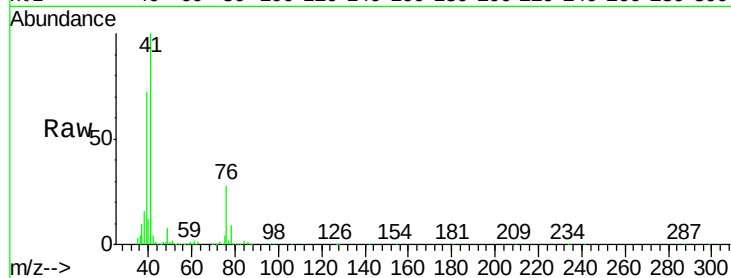
#21
 Allvl Chloride
 Concen: 9.138 ppbv
 RT: 4.40 min Scan# 503
 Delta R.T. 0.01 min
 Lab File: VL037493.D
 Acq: 18 Aug 2021 16:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.5	21.8	32.6
39	77.4	56.8	85.2

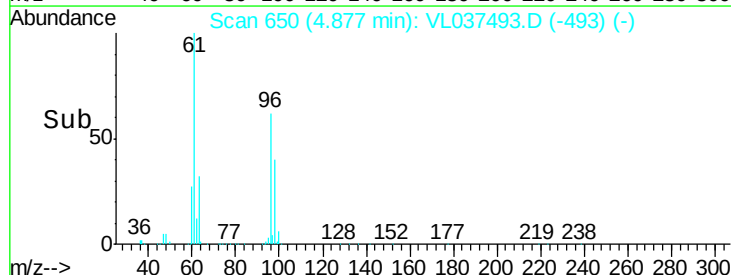
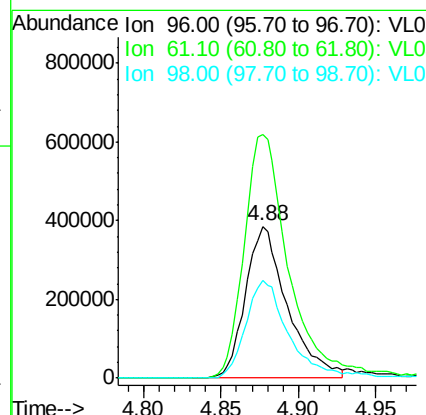
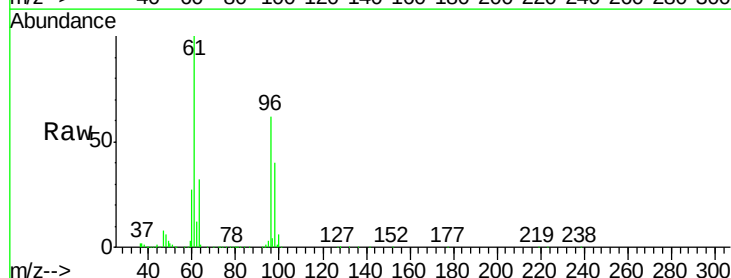
Manual Integrations
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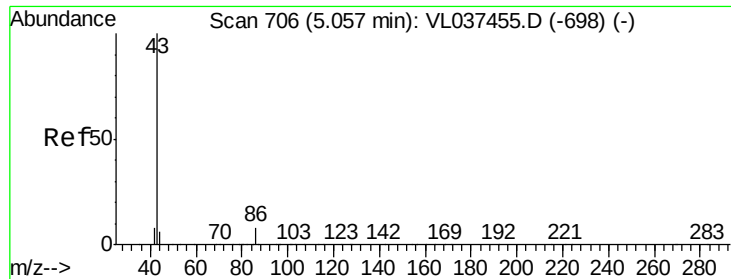
MMDadoda
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#22
 trans-1,2-Dichloroethene
 Concen: 10.062 ppbv
 RT: 4.88 min Scan# 650
 Delta R.T. 0.01 min
 Lab File: VL037493.D
 Acq: 18 Aug 2021 16:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.6	125.5	188.3
98	64.6	49.0	73.4





#23

Vinyl Acetate

Concen: 8.281 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1791048

Ion Ratio Lower Upper

43 100

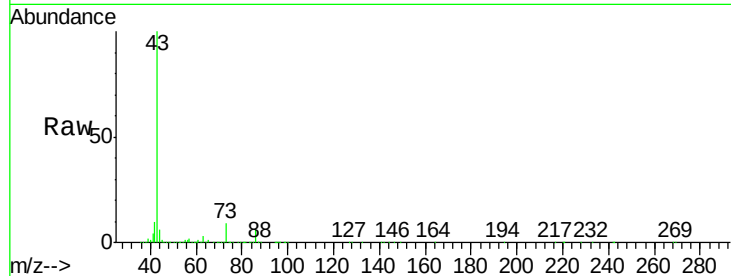
86 6.6 5.7 8.5

42 9.6 7.4 11.2

44 5.7 4.3 6.5

Manual Integrations
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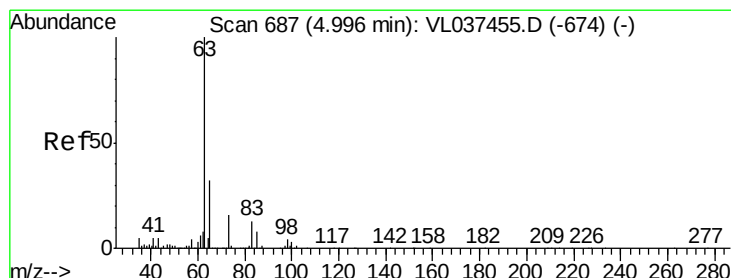
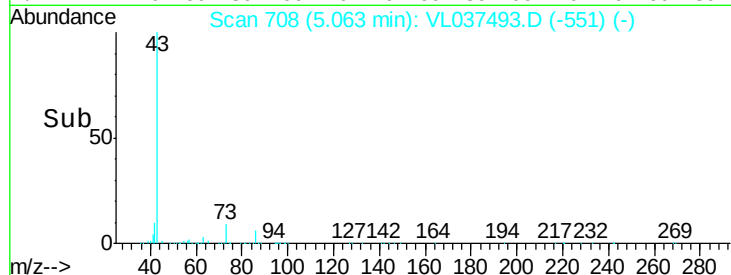
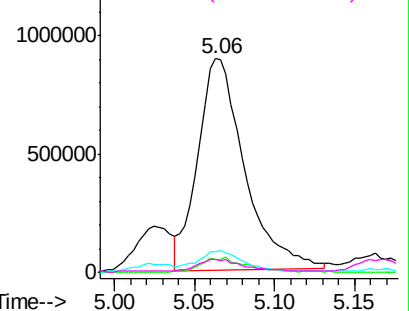


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.168 ppbv

RT: 5.00 min Scan# 689

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

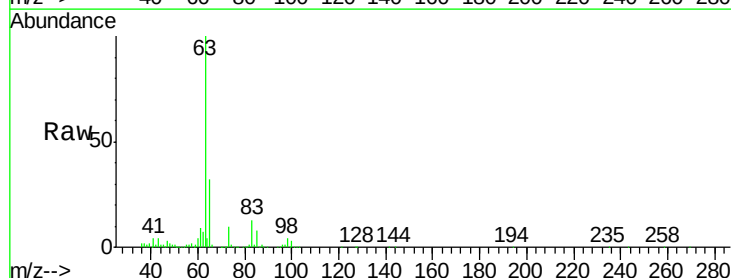
Tgt Ion: 63 Resp: 1438176

Ion Ratio Lower Upper

63 100

98 4.3 2.1 6.3

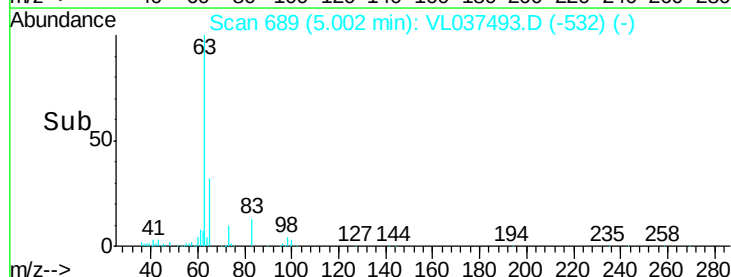
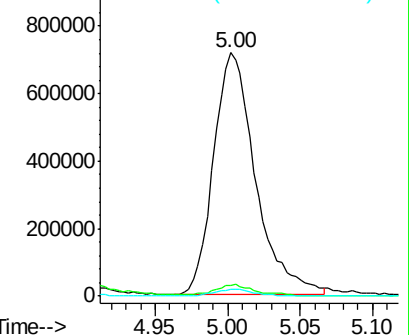
100 2.8 1.6 4.7

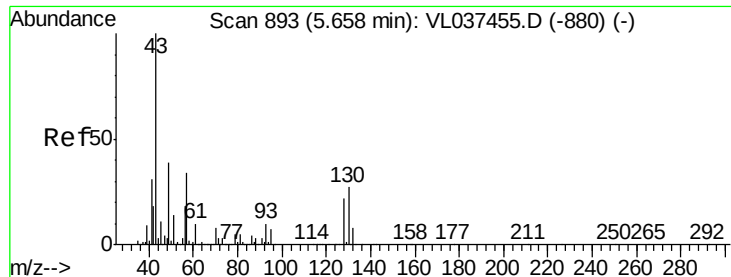


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.423 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 3510289

Ion Ratio Lower Upper

43 100

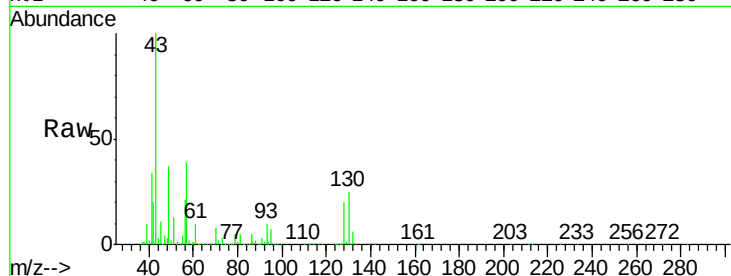
45 10.0 8.0 12.0

61 9.7 8.0 12.0

70 7.1 5.6 8.4

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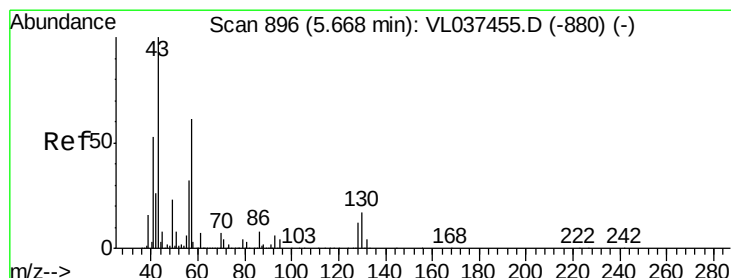
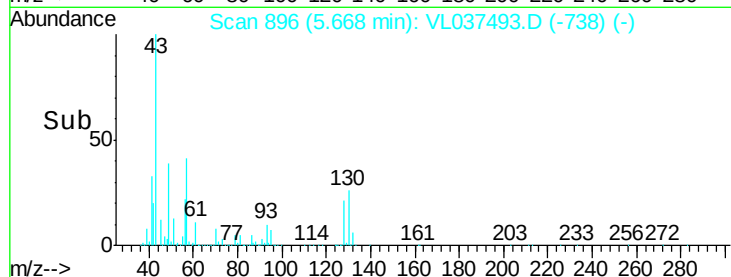
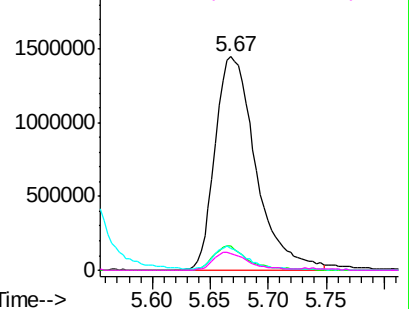


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.203 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Tgt Ion: 57 Resp: 1676208

Ion Ratio Lower Upper

57 100

41 90.3 72.3 108.5

43 214.2 172.3 258.5

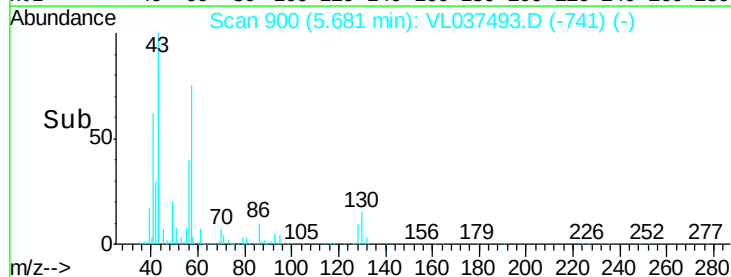
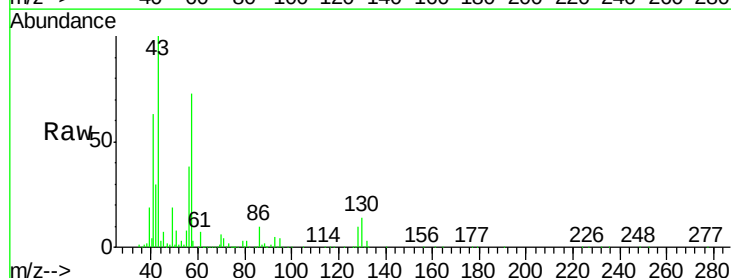
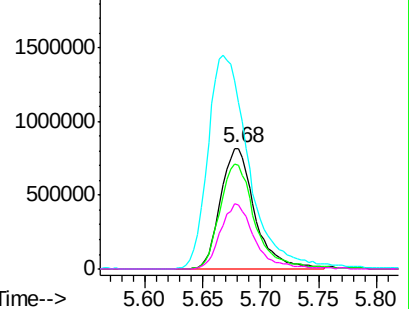
56 54.4 42.8 64.2

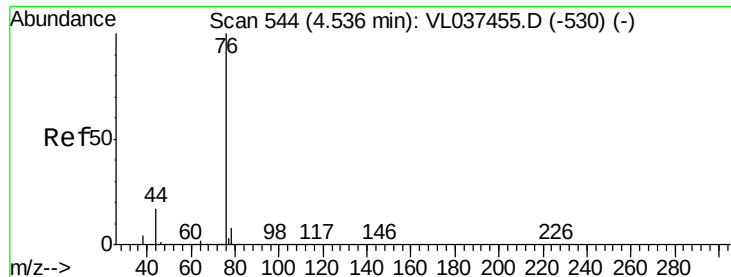
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 10.710 ppbv

RT: 4.54 min Scan# 546

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1738433

Ion Ratio Lower Upper

76 100

44 17.7 13.9 20.9

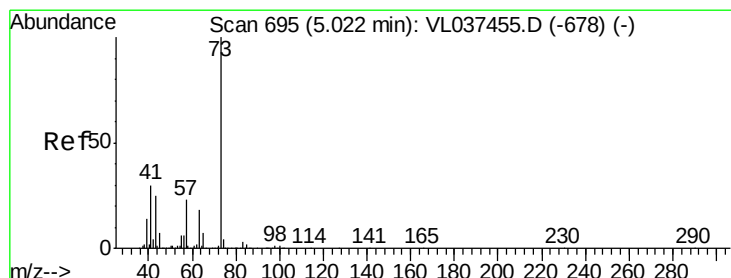
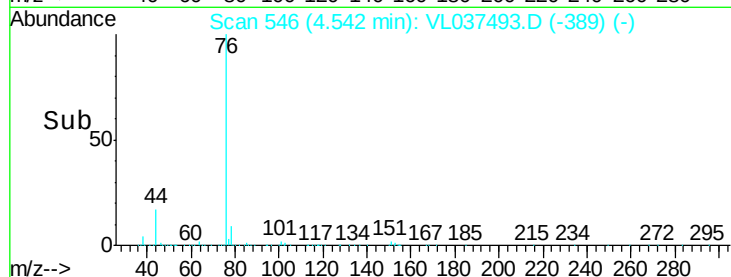
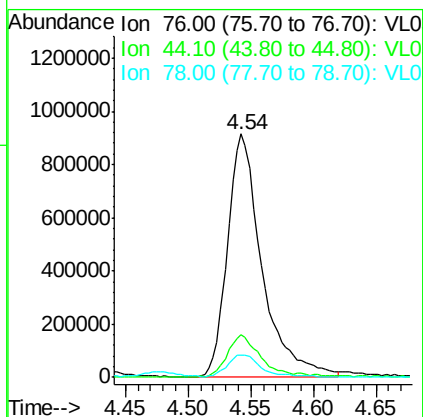
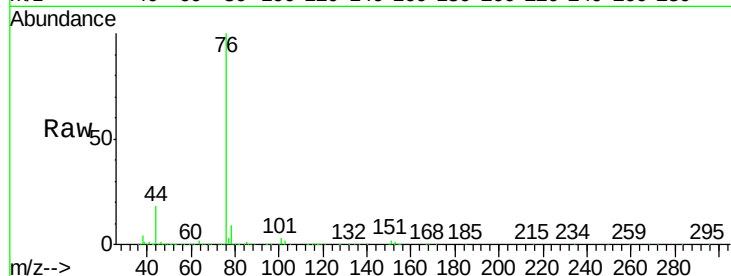
78 9.7 7.9 11.9

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#28

Methyl tert-Butyl Ether

Concen: 8.214 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.00 min

Lab File: VL037493.D

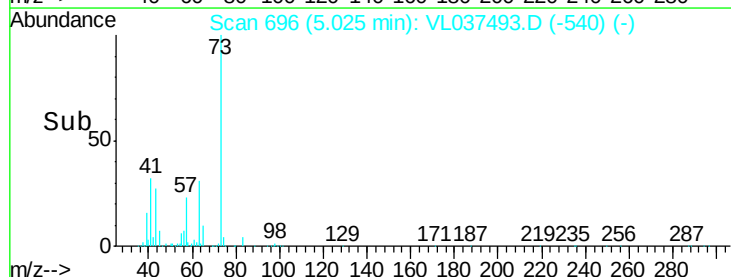
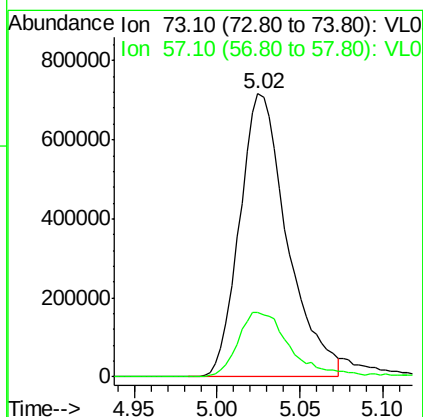
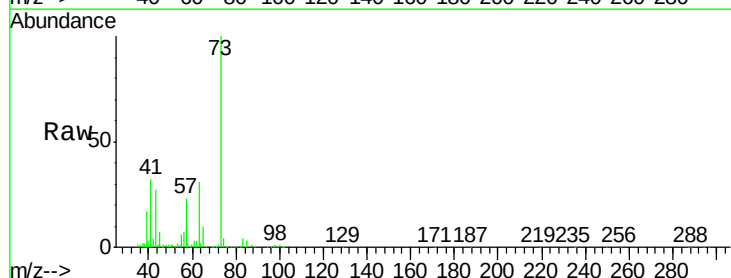
Acq: 18 Aug 2021 16:18

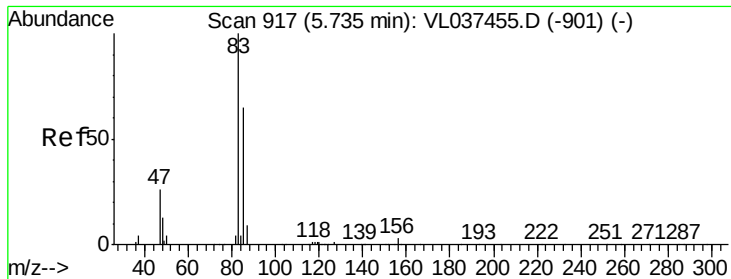
Tgt Ion: 73 Resp: 1436856

Ion Ratio Lower Upper

73 100

57 25.5 19.4 29.2





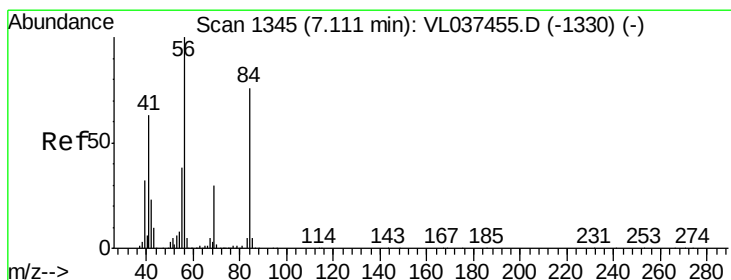
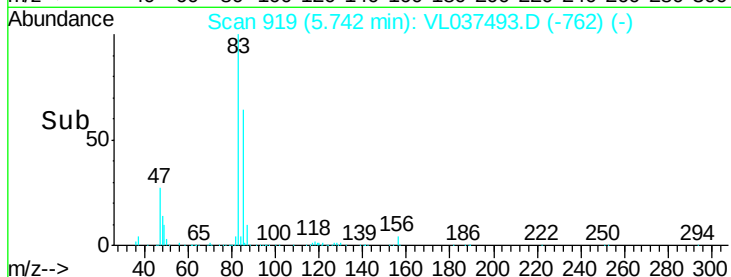
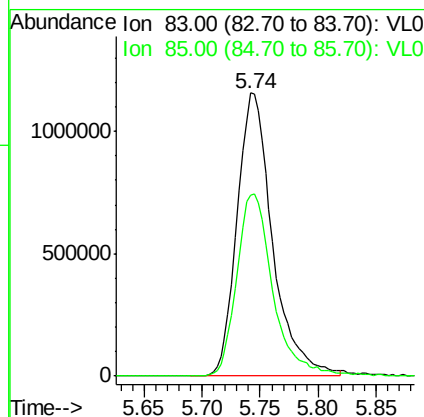
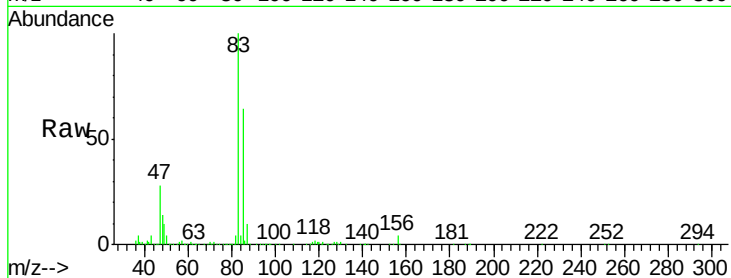
#29
Chloroform
Concen: 9.521 ppbv
RT: 5.74 min Scan# 919
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2457581
Ion Ratio Lower Upper
83 100
85 63.9 52.3 78.5

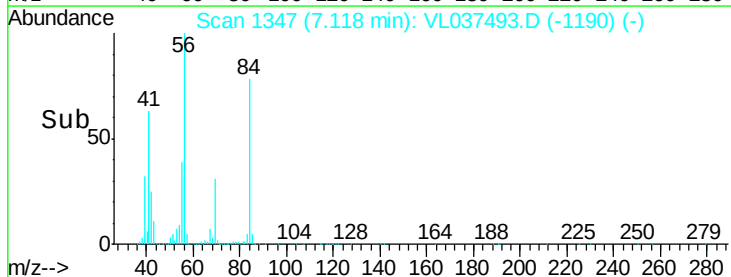
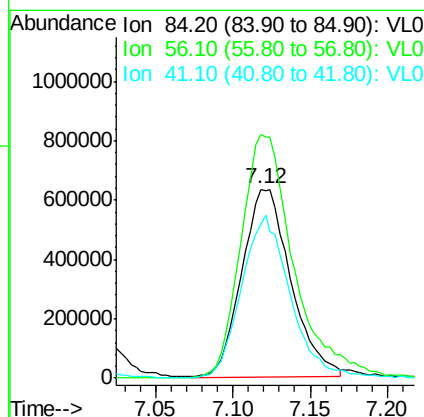
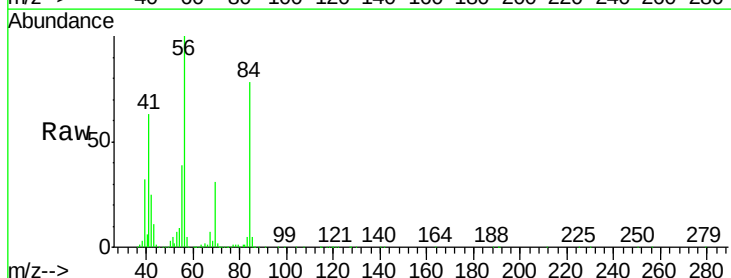
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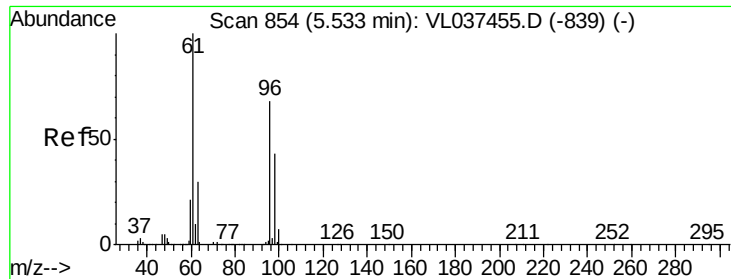
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#30
Cyclohexane
Concen: 9.218 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Tgt Ion: 84 Resp: 1398849
Ion Ratio Lower Upper
84 100
56 141.0 110.6 165.8
41 85.4 67.0 100.6





#31

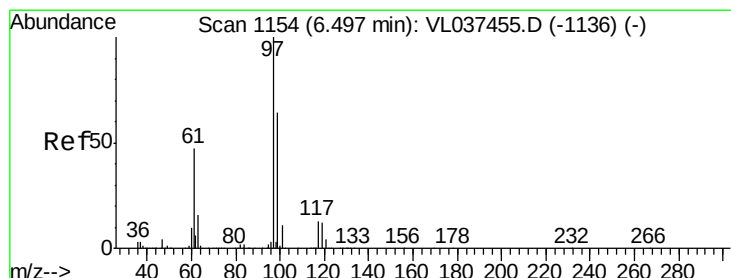
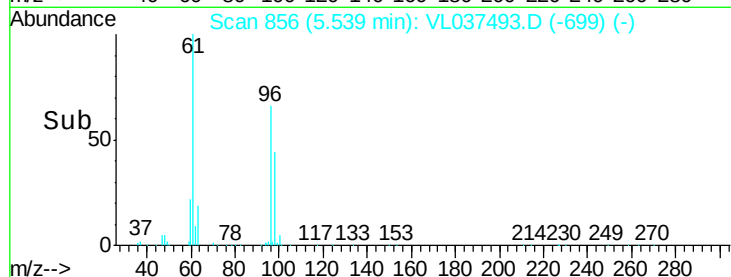
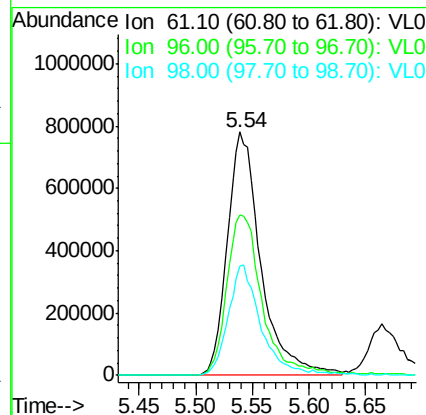
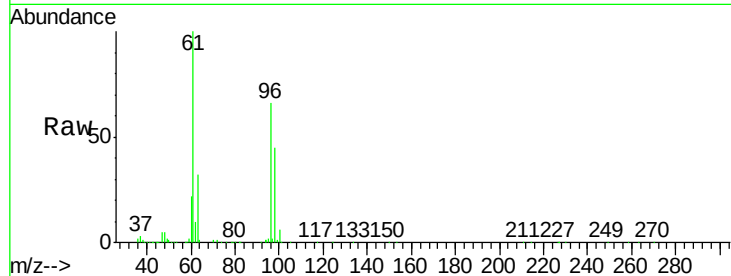
cis-1,2-Dichloroethene
Concen: 9.731 ppbv
RT: 5.54 min Scan# 856
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	65.7	54.8	82.2
98	44.6	34.2	51.2

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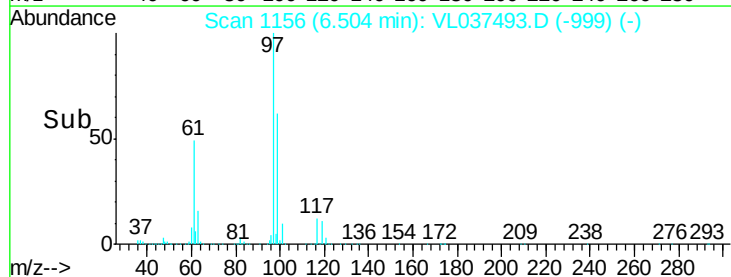
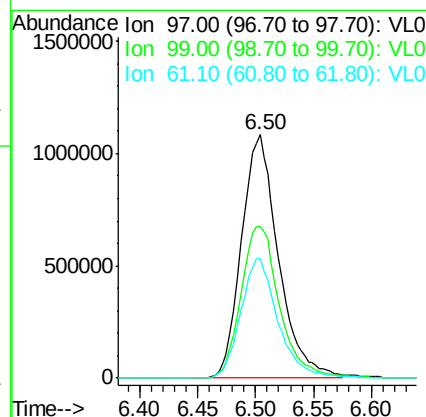
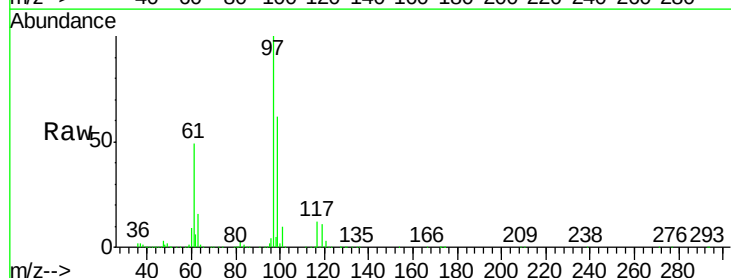
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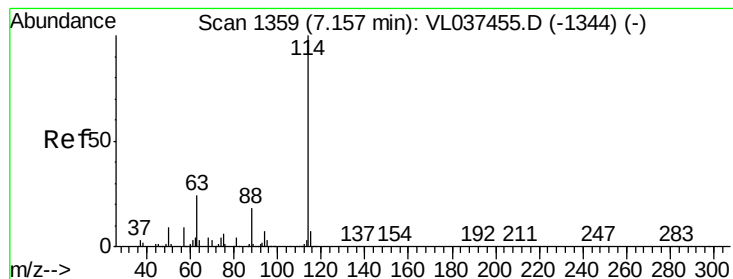


#32

1,1,1-Trichloroethane
Concen: 9.455 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.8	77.6
61	49.6	39.6	59.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:114 Resp: 4272192

Ion Ratio Lower Upper

114 100

63 24.3 19.3 28.9

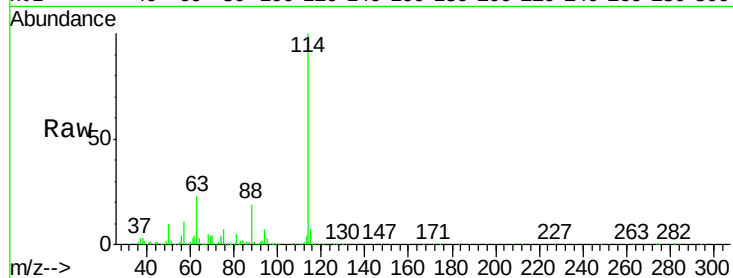
88 17.9 14.2 21.4

Manual Integrations

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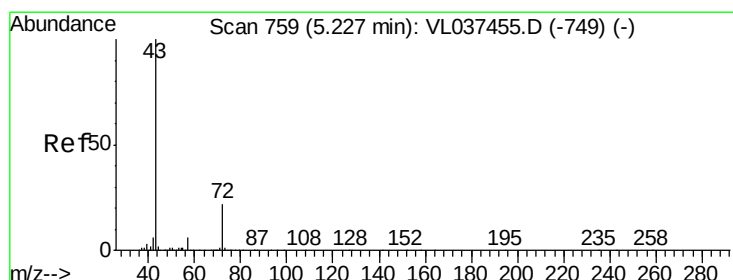
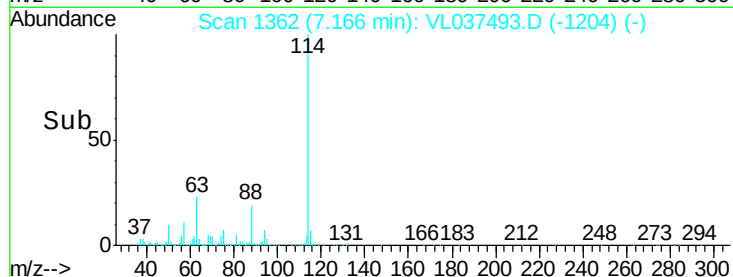
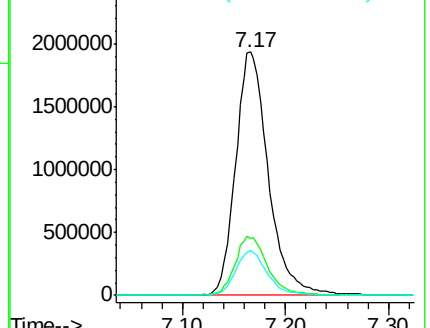
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 8.622 ppbv

RT: 5.24 min Scan# 762

Delta R.T. 0.01 min

Lab File: VL037493.D

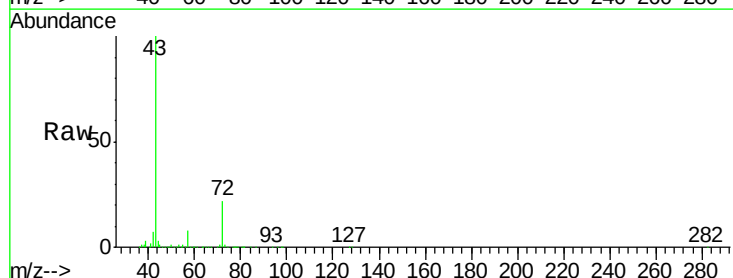
Acq: 18 Aug 2021 16:18

Tgt Ion: 43 Resp: 1504178

Ion Ratio Lower Upper

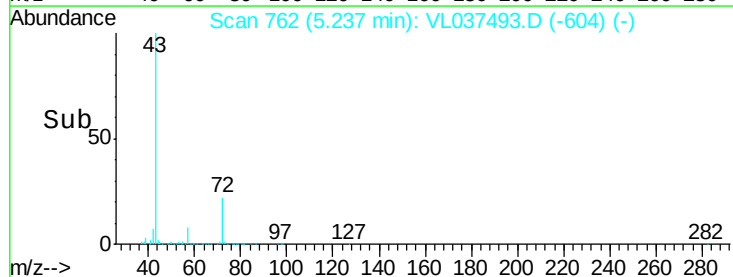
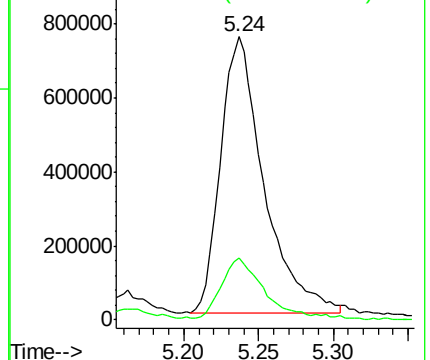
43 100

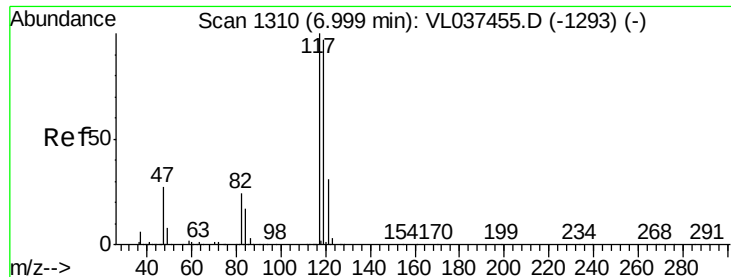
72 23.4 17.4 26.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.937 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2509001

Ion Ratio Lower Upper

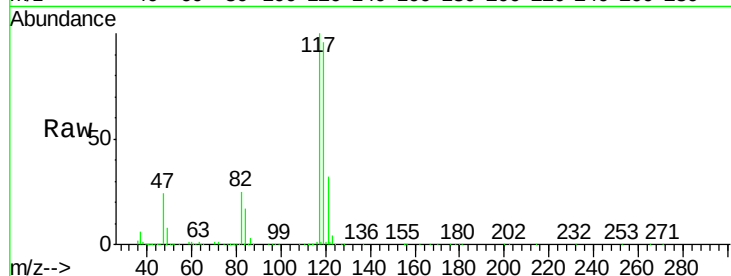
117 100

119 95.7 77.3 115.9

121 31.6 25.2 37.8

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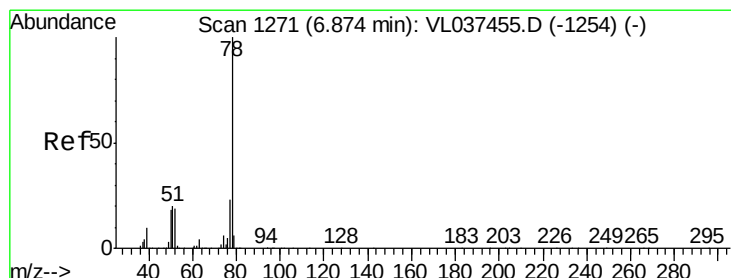
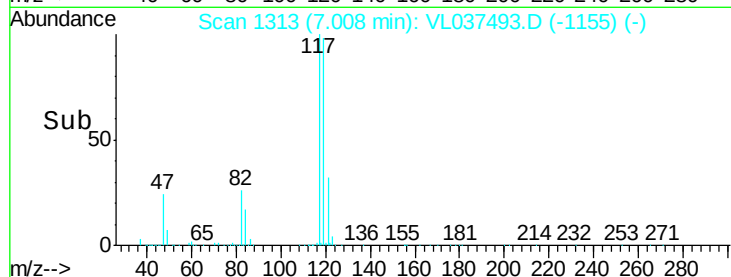
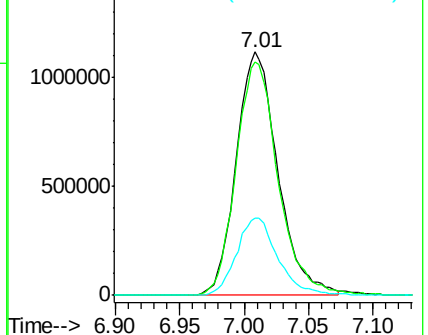
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.762 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

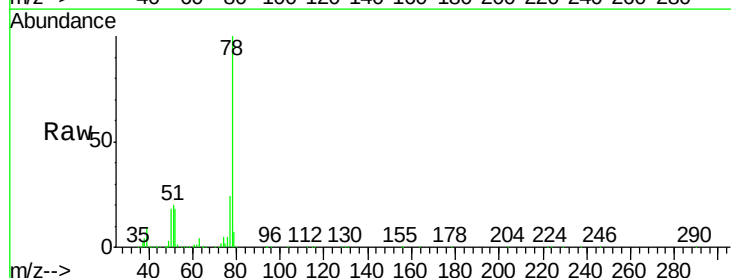
Tgt Ion: 78 Resp: 3505784

Ion Ratio Lower Upper

78 100

77 23.6 18.2 27.4

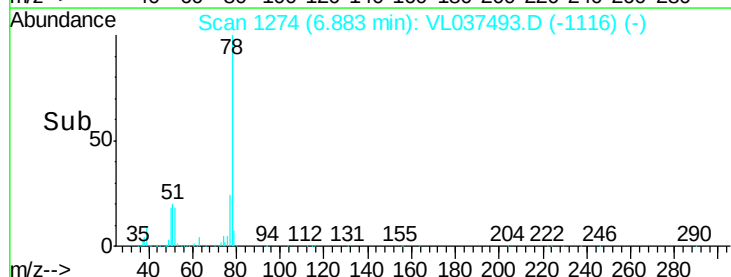
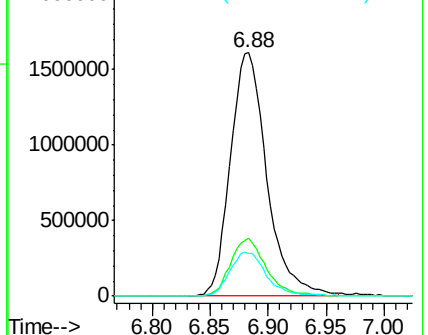
50 17.7 14.6 21.8

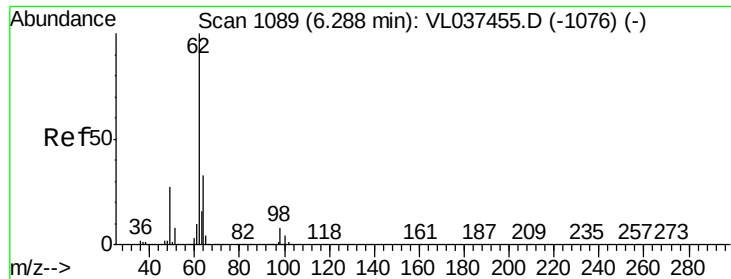


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





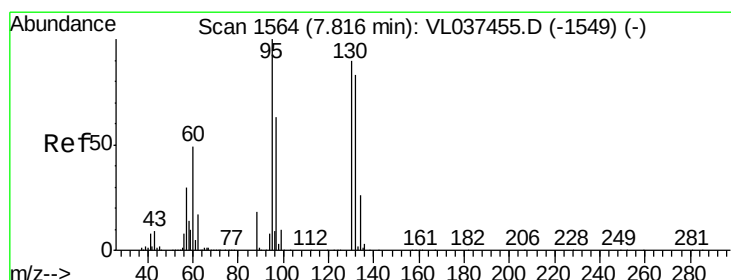
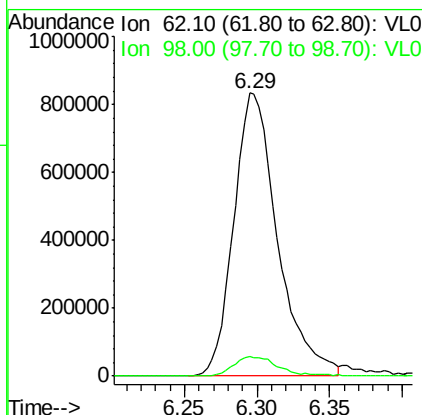
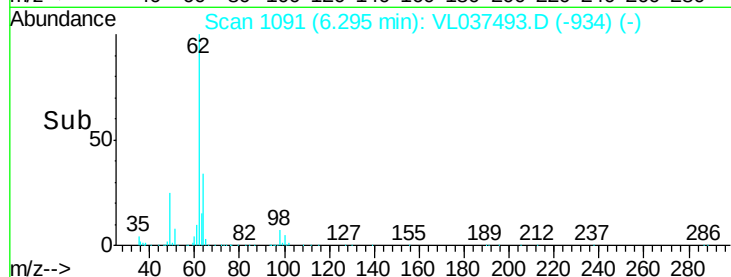
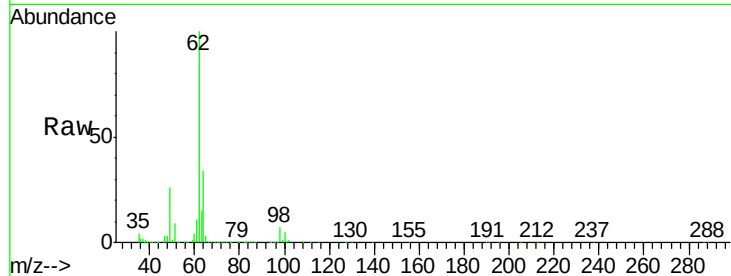
#37
 1,2-Dichloroethane
 Concen: 9.818 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VL037493.D
 Acq: 18 Aug 2021 16:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1746496
 Ion Ratio Lower Upper
 62 100
 98 7.4 6.0 9.0

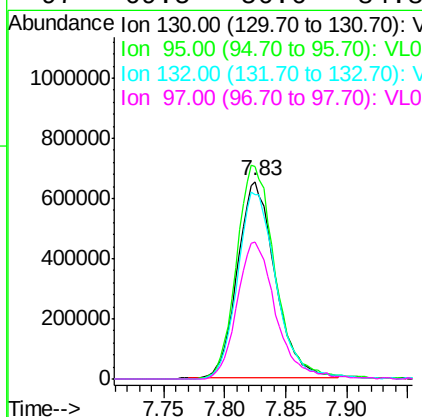
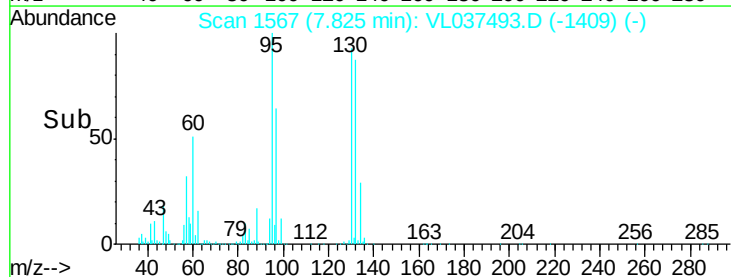
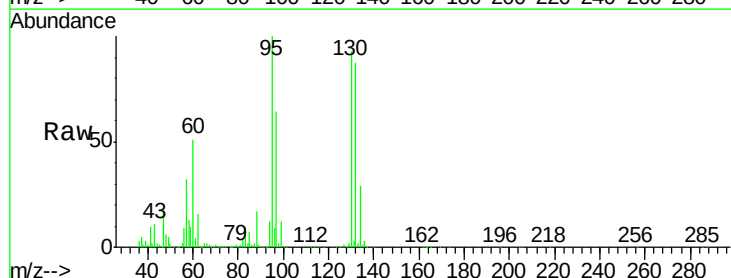
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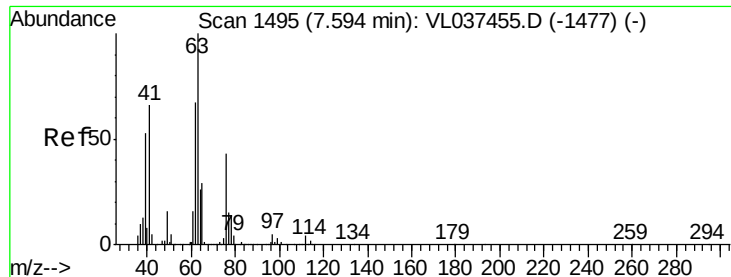
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#38
 Trichloroethene
 Concen: 9.463 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VL037493.D
 Acq: 18 Aug 2021 16:18

Tgt Ion:130 Resp: 1394352
 Ion Ratio Lower Upper
 130 100
 95 108.1 89.2 133.8
 132 93.7 74.0 111.0
 97 69.5 56.6 84.8





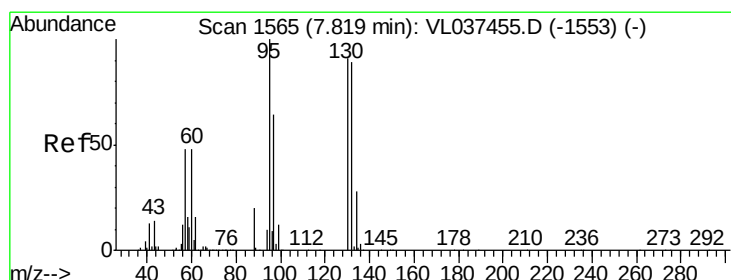
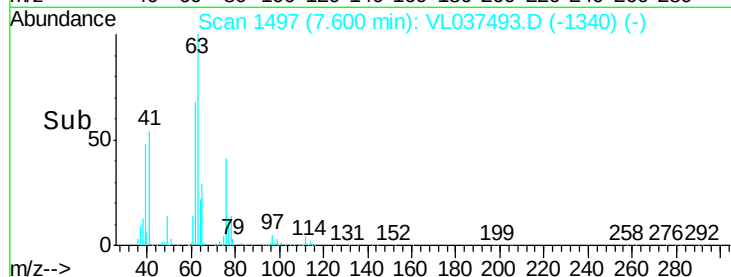
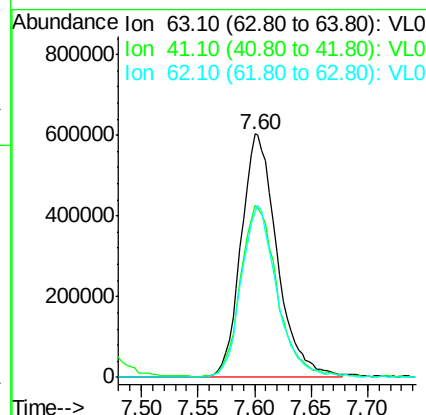
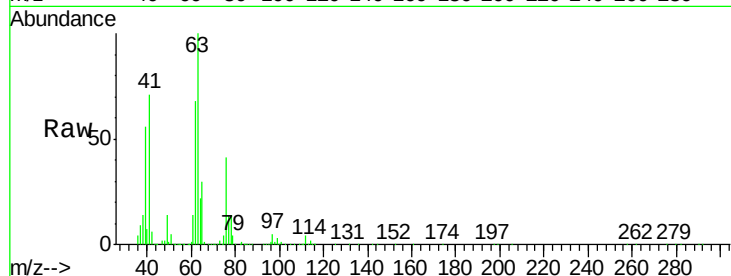
#39
 1,2-Dichloropropane
 Concen: 9.708 ppbv
 RT: 7.60 min Scan# 1497
 Delta R.T. 0.01 min
 Lab File: VL037493.D
 Acq: 18 Aug 2021 16:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	70.3	52.4	78.6
62	67.9	53.6	80.4

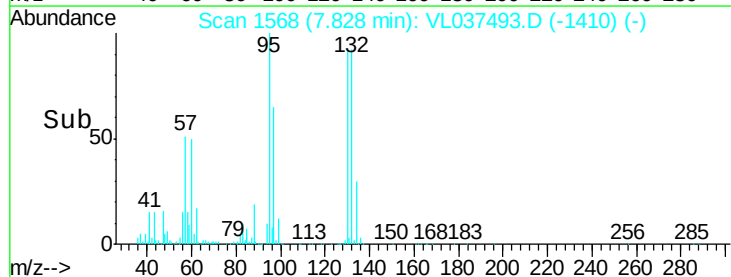
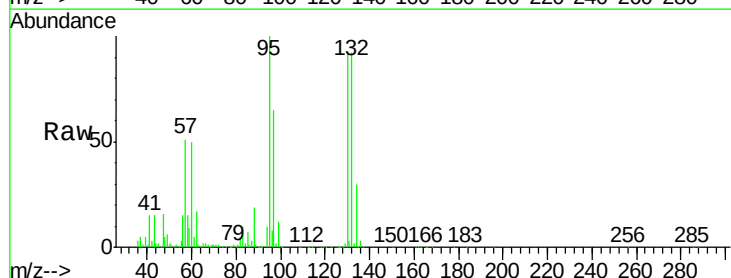
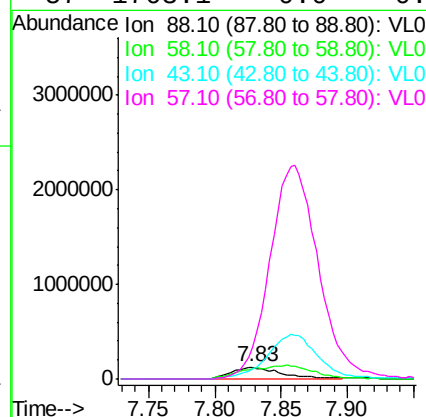
Manual Integrations
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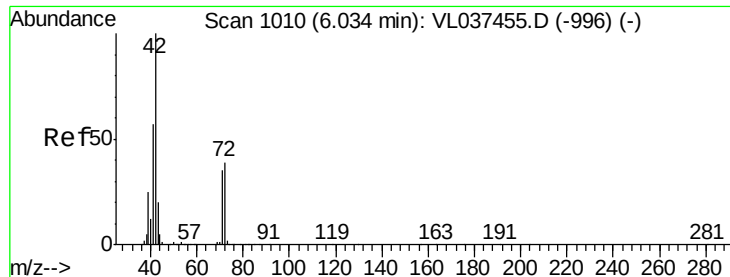
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#40
 1,4-Dioxane
 Concen: 9.787 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. 0.01 min
 Lab File: VL037493.D
 Acq: 18 Aug 2021 16:18

Tgt Ion	Ratio	Lower	Upper
88	100		
58	160.2	0.0	0.0#
43	389.3	0.0	0.0#
57	1763.1	0.0	0.0#





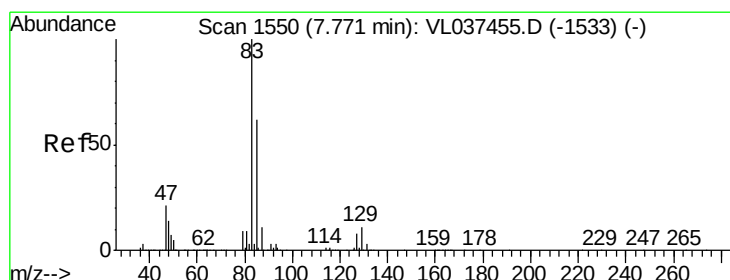
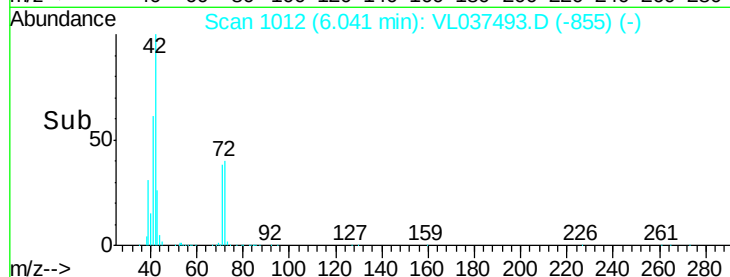
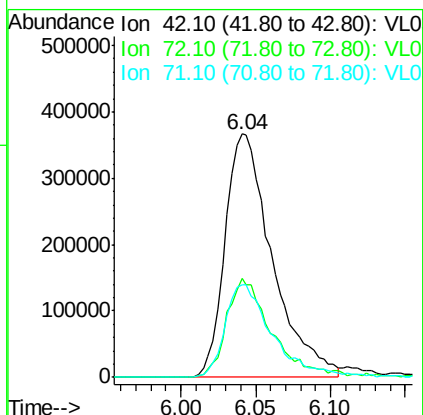
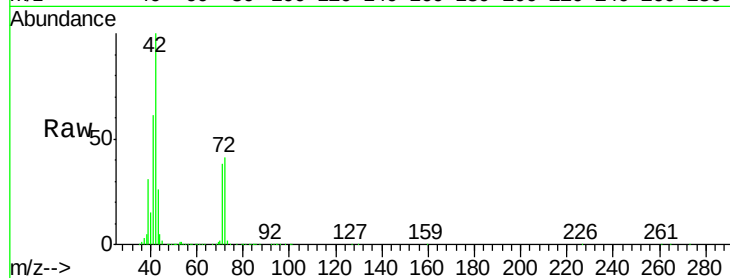
#41
Tetrahydrofuran
Concen: 9.590 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	32.2	48.4
71	38.6	30.5	45.7

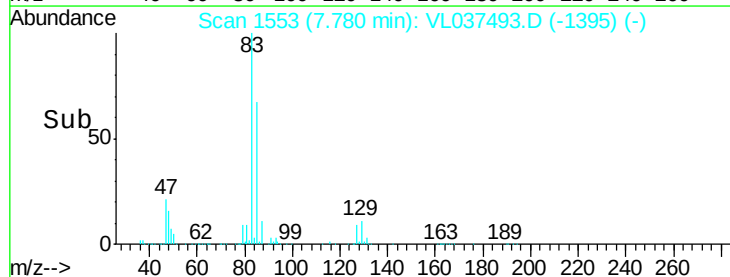
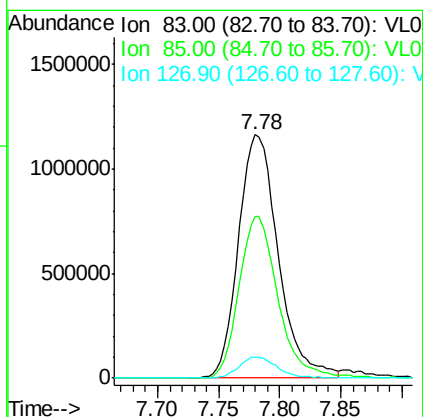
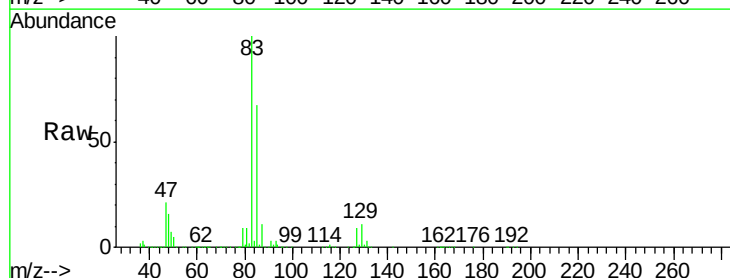
Manual Integrations
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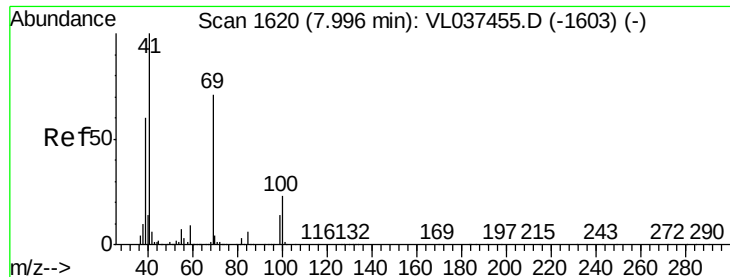
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#42
Bromodichloromethane
Concen: 10.105 ppbv
RT: 7.78 min Scan# 1553
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	49.5	74.3
127	8.7	6.3	9.5





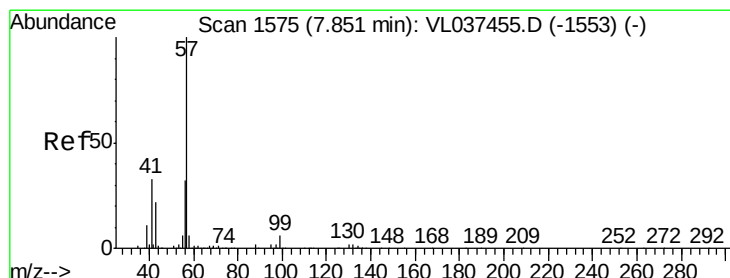
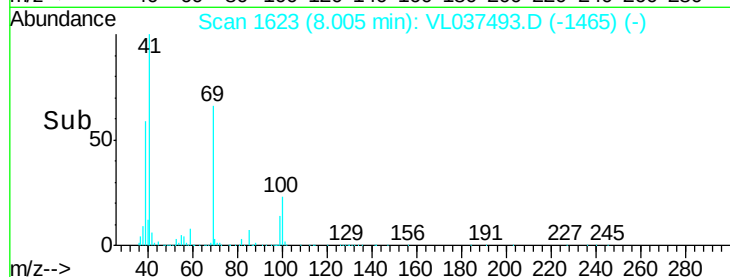
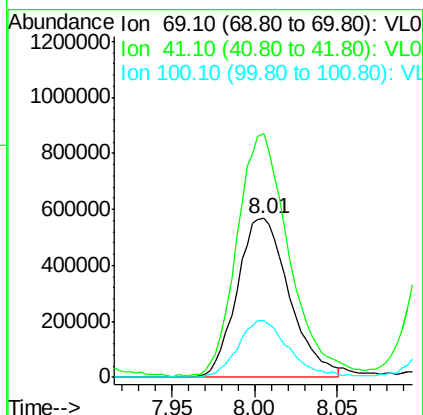
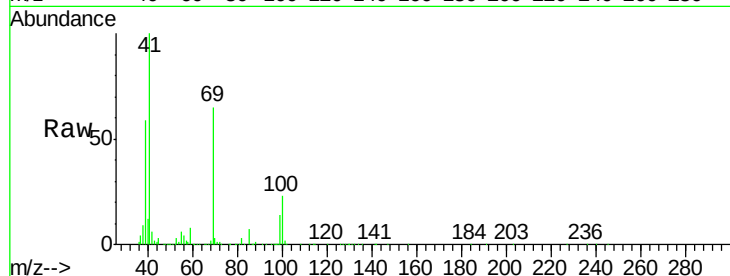
#43
Methyl Methacrylate
Concen: 9.934 ppbv
RT: 8.01 min Scan# 1623
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
69	100		
41	153.5	118.6	178.0
100	35.1	27.4	41.0

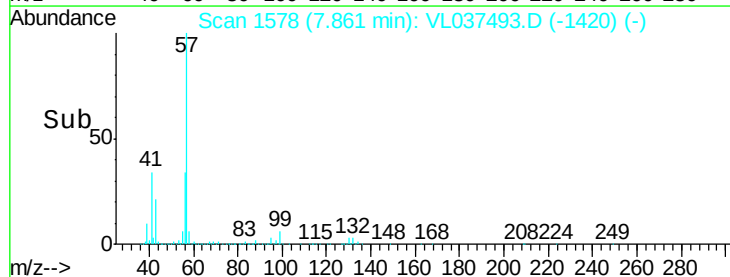
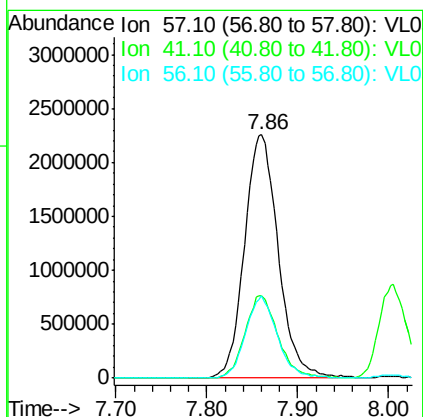
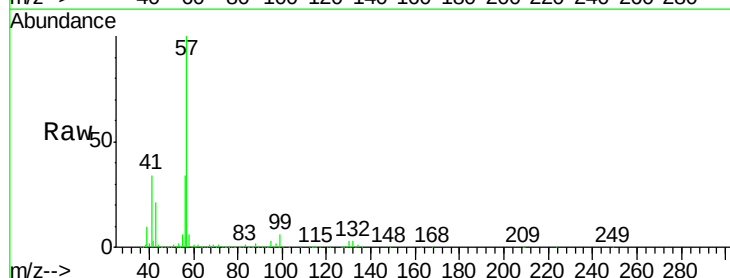
Manual Integrations
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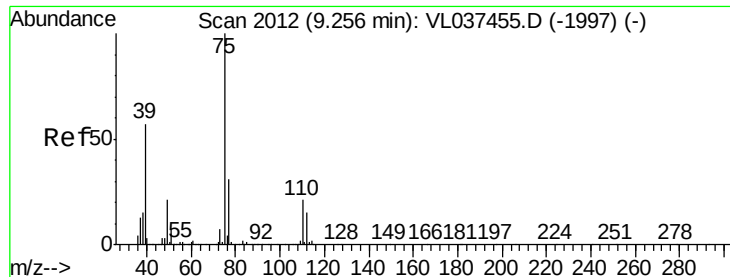
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.616 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Tgt Ion	Ratio	Lower	Upper
57	100		
41	33.0	26.2	39.4
56	31.7	25.4	38.2





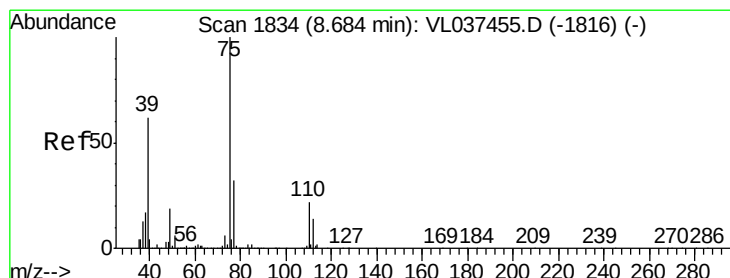
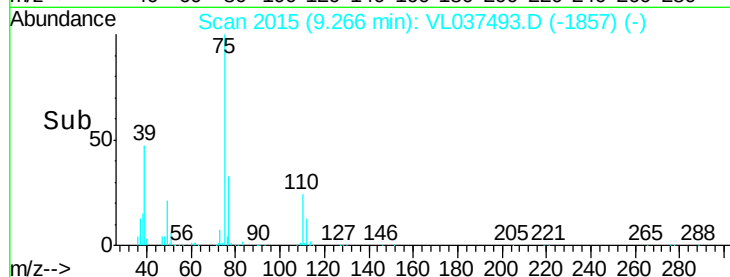
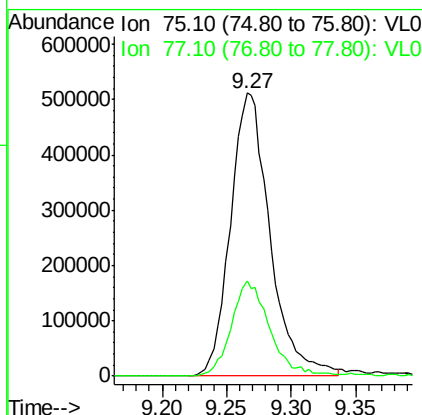
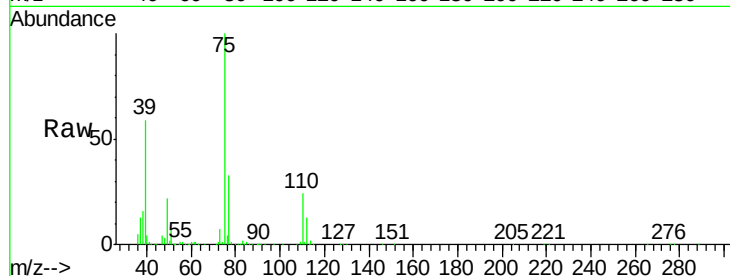
#45
t-1,3-Dichloropropene
Concen: 11.558 ppbv
RT: 9.27 min Scan# 2015
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1089114
Ion Ratio Lower Upper
75 100
77 33.4 24.5 36.7

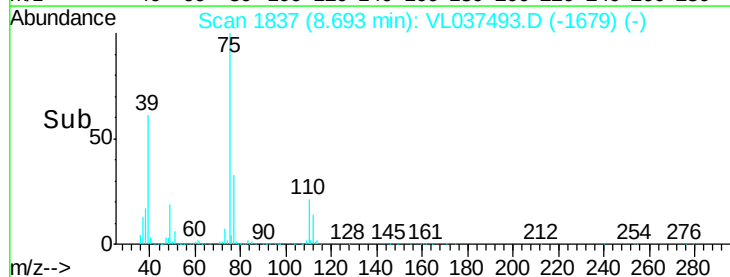
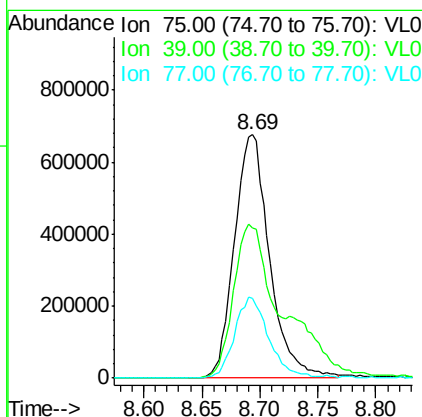
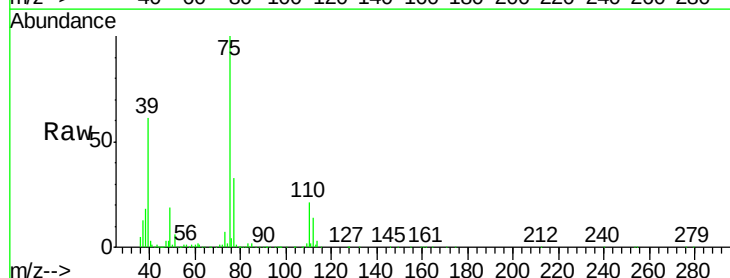
Manual Integrations
APPROVED

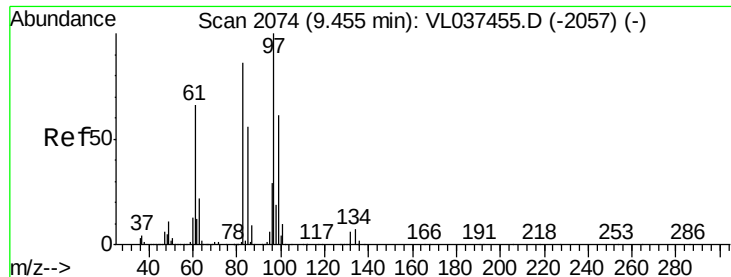
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 10.816 ppbv
RT: 8.69 min Scan# 1837
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Tgt Ion: 75 Resp: 1421727
Ion Ratio Lower Upper
75 100
39 61.3 49.7 74.5
77 32.9 25.4 38.0





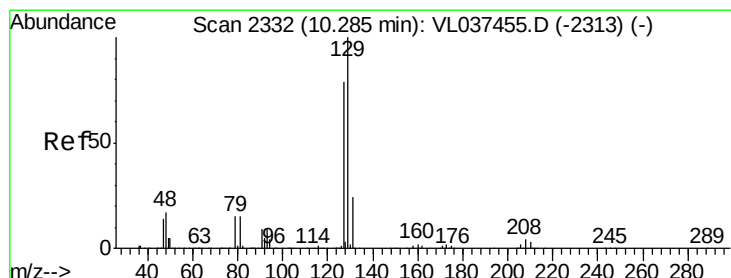
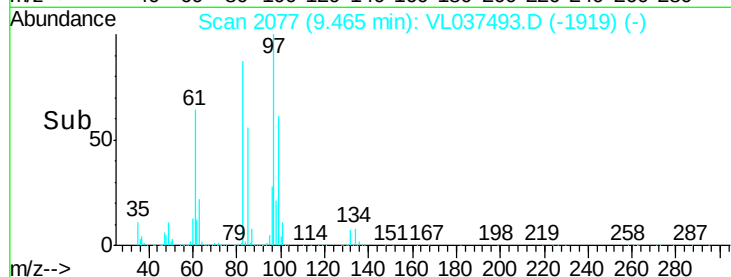
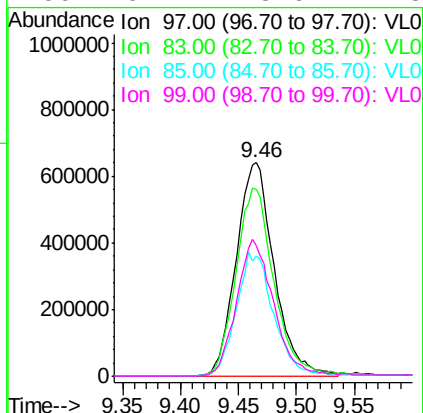
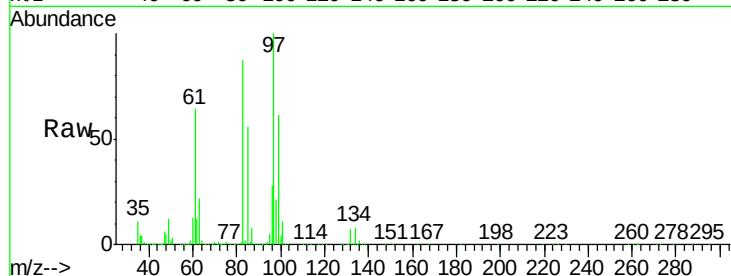
#47
 1,1,2-Trichloroethane
 Concen: 9.768 ppbv
 RT: 9.46 min Scan# 2077
 Delta R.T. 0.01 min
 Lab File: VL037493.D
 Acq: 18 Aug 2021 16:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	87.3	68.7	103.1	
85	56.3	44.7	67.1	
99	61.1	48.6	72.8	

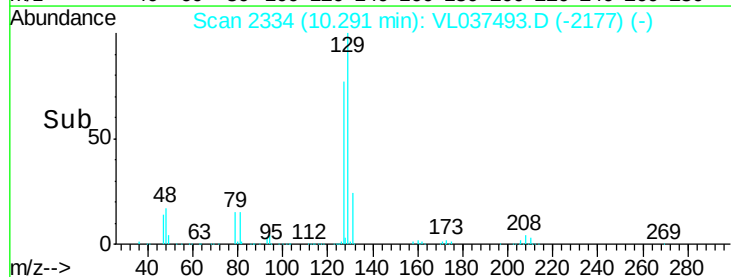
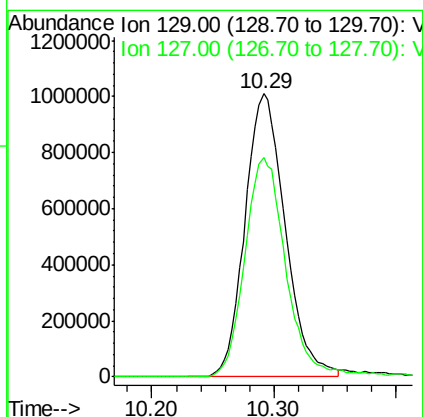
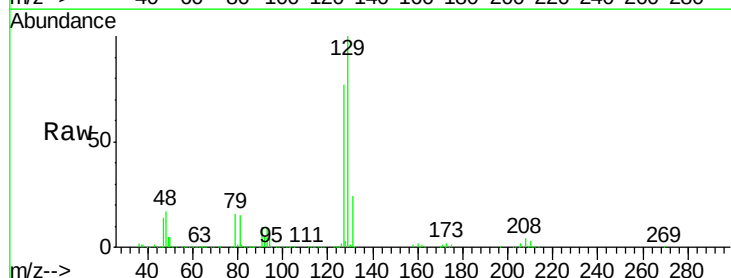
Manual Integrations
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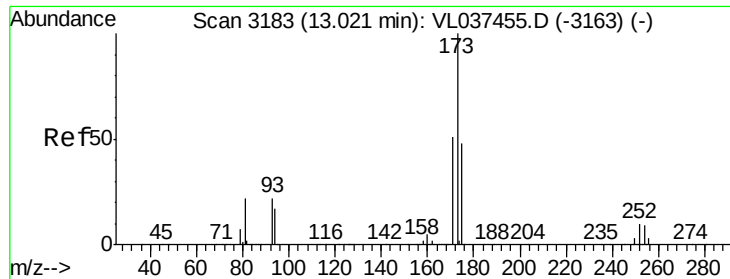
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#48
 Dibromochloromethane
 Concen: 10.703 ppbv
 RT: 10.29 min Scan# 2334
 Delta R.T. 0.01 min
 Lab File: VL037493.D
 Acq: 18 Aug 2021 16:18

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	80.2	40.0	120.0	





#49

Bromoform

Concen: 11.091 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1875968

Ion Ratio Lower Upper

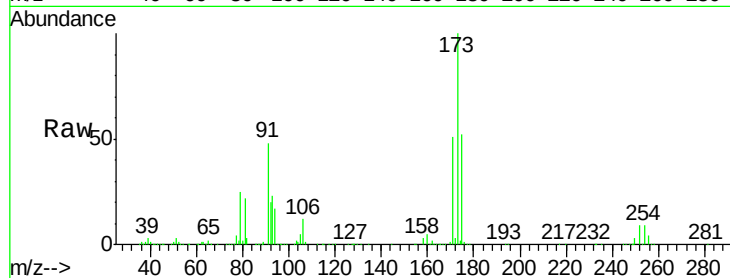
173 100

175 53.2 41.9 62.9

171 55.2 44.2 66.4

Manual Integrations
APPROVED

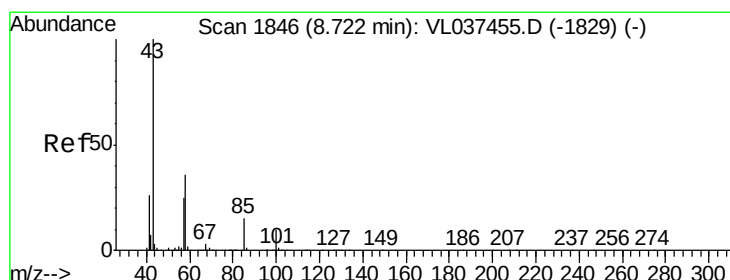
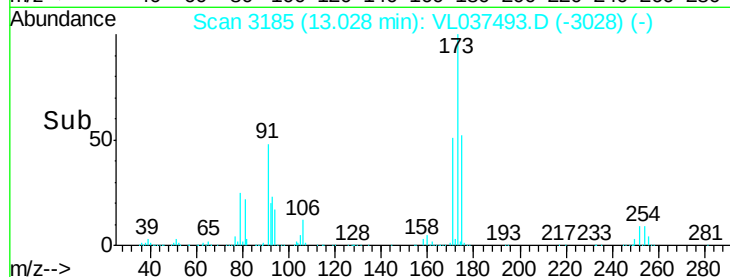
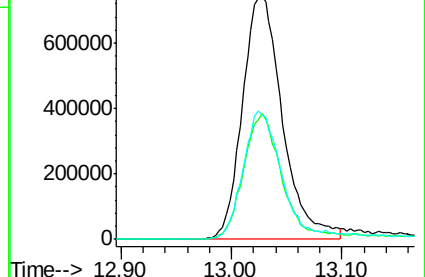
MMDadoda
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.116 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. 0.01 min

Lab File: VL037493.D

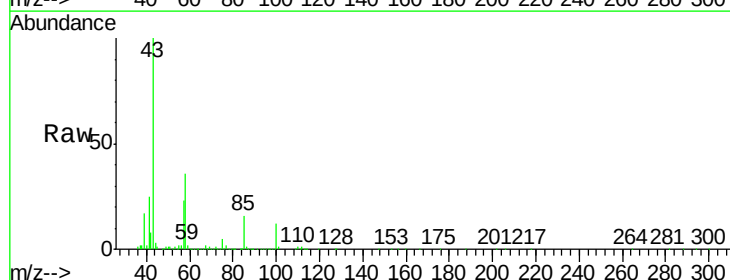
Acq: 18 Aug 2021 16:18

Tgt Ion: 43 Resp: 2302429

Ion Ratio Lower Upper

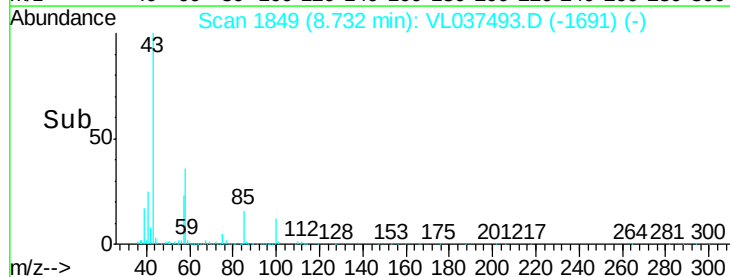
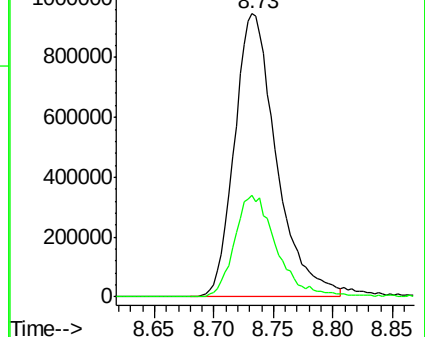
43 100

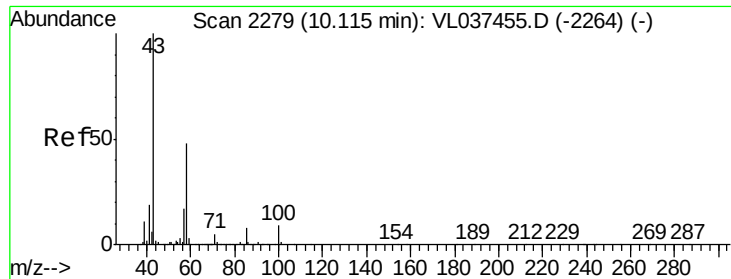
58 36.8 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





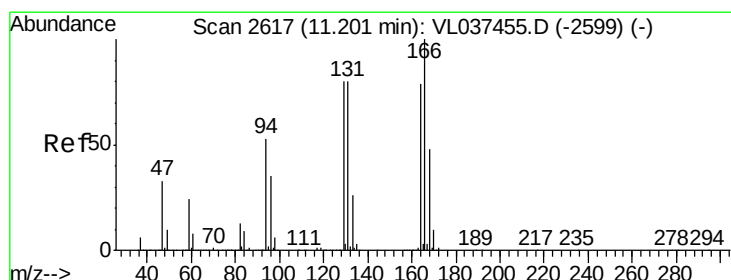
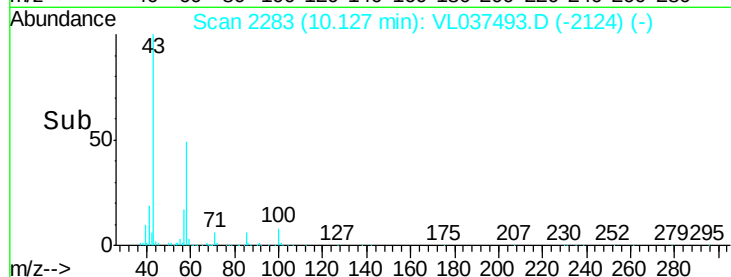
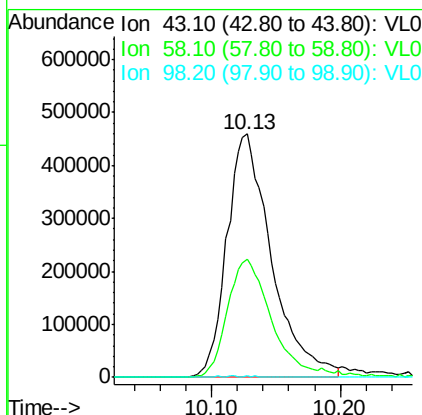
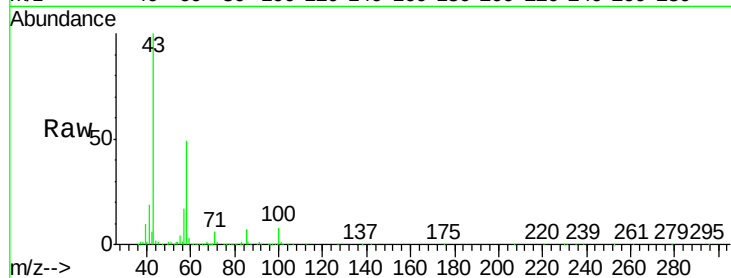
#51
2-Hexanone
Concen: 10.479 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1096987
Ion Ratio Lower Upper
43 100
58 50.0 41.0 61.6
98 0.6 0.3 0.5#

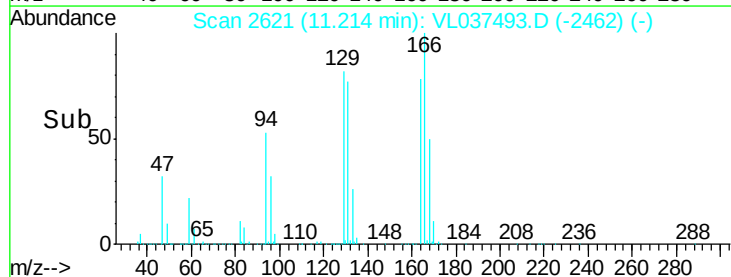
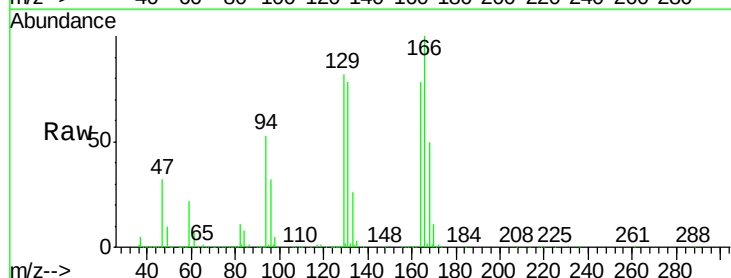
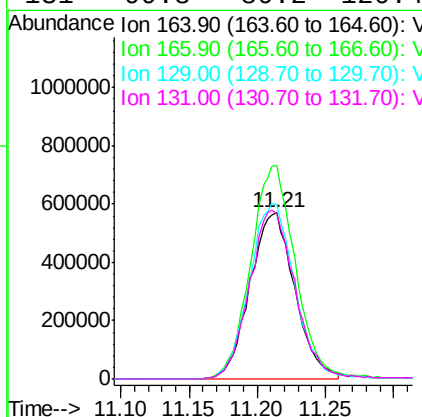
Manual Integrations
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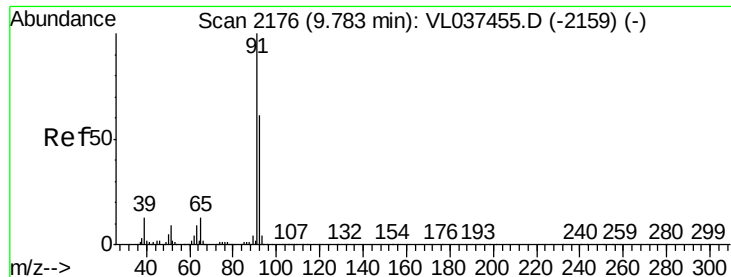
MMDadoda
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#52
Tetrachloroethene
Concen: 8.826 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Tgt Ion: 164 Resp: 1298959
Ion Ratio Lower Upper
164 100
166 128.7 100.7 151.1
129 105.3 80.9 121.3
131 99.8 80.2 120.4





#53

Toluene

Concen: 9.976 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4090901

Ion Ratio Lower Upper

91 100

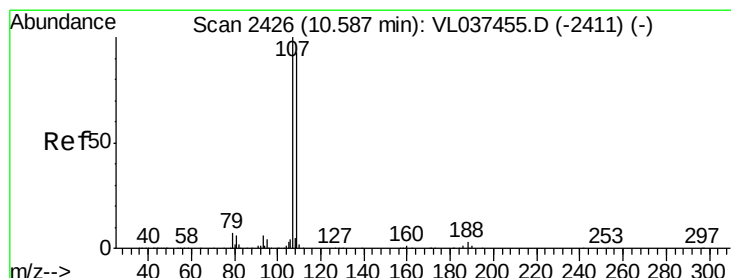
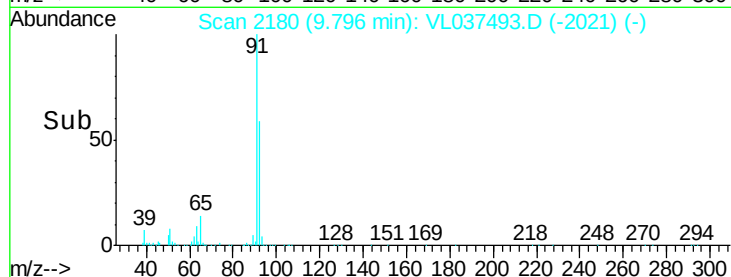
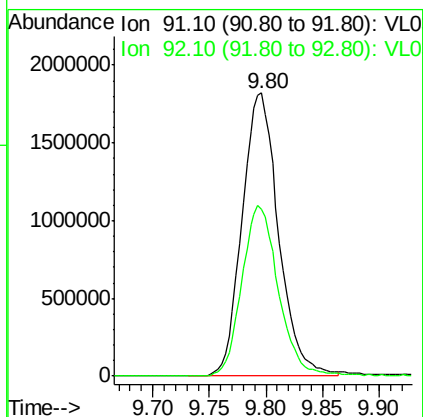
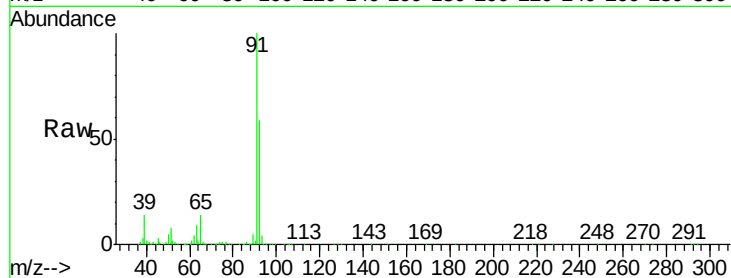
92 60.8 48.8 73.2

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 9.861 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. 0.01 min

Lab File: VL037493.D

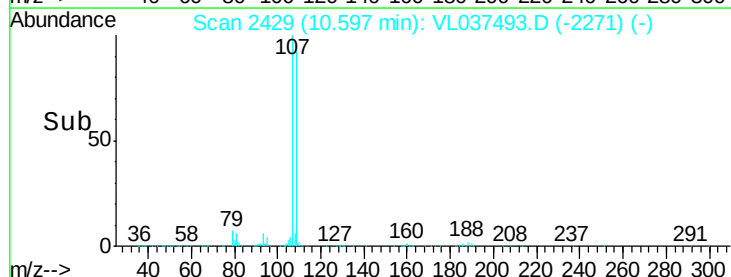
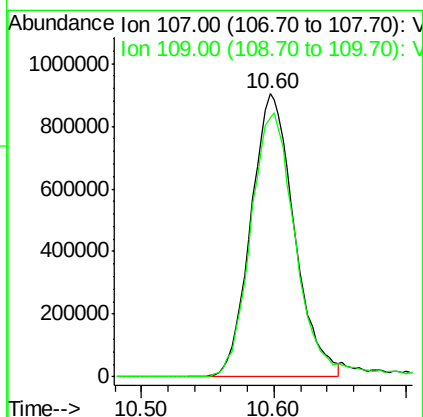
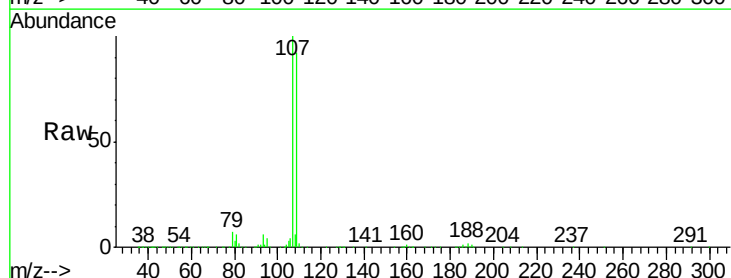
Acq: 18 Aug 2021 16:18

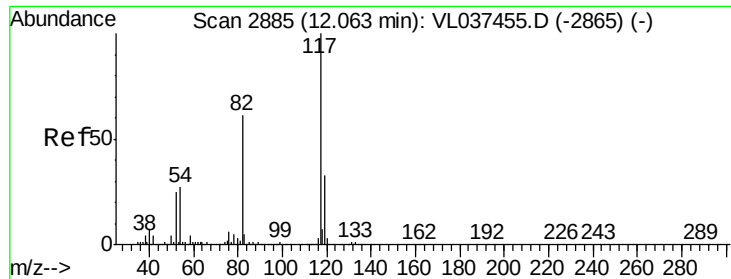
Tgt Ion: 107 Resp: 2052655

Ion Ratio Lower Upper

107 100

109 91.5 74.2 111.4





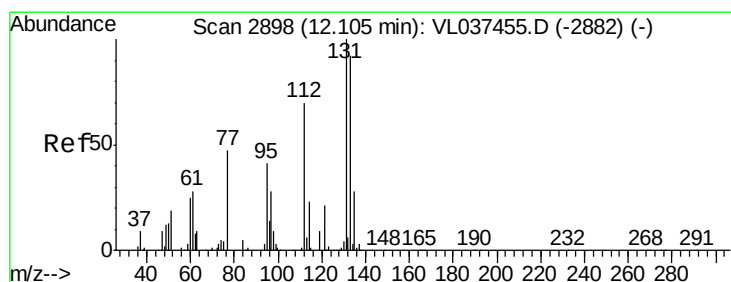
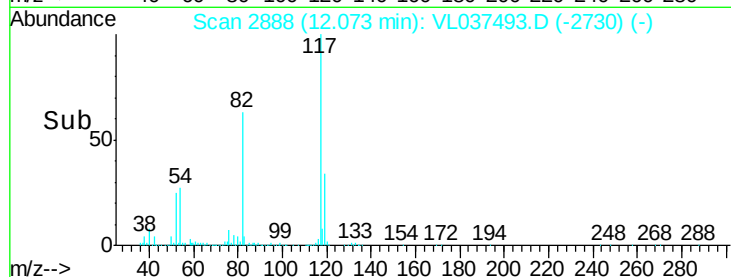
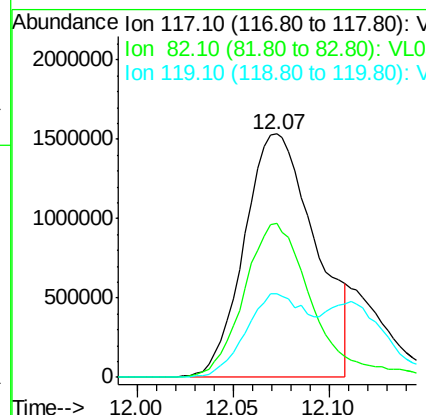
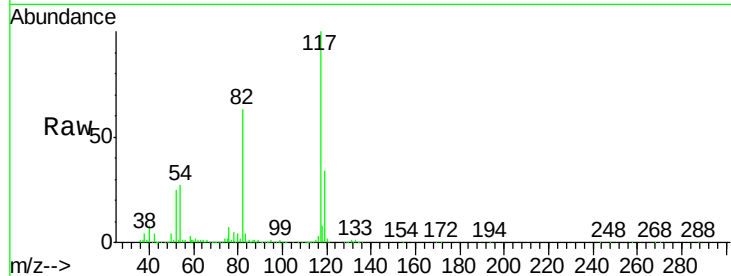
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.07 min Scan# 2888
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 3937787
Ion Ratio Lower Upper
117 100
82 64.1 52.9 79.3
119 33.0 24.8 37.2

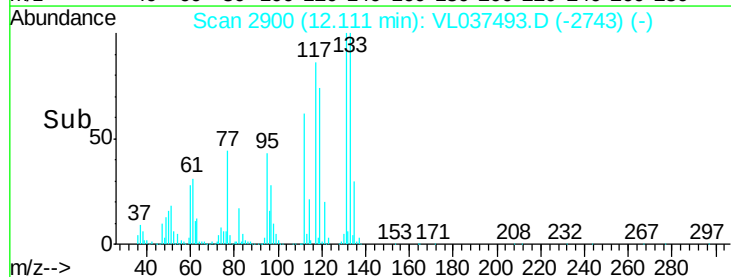
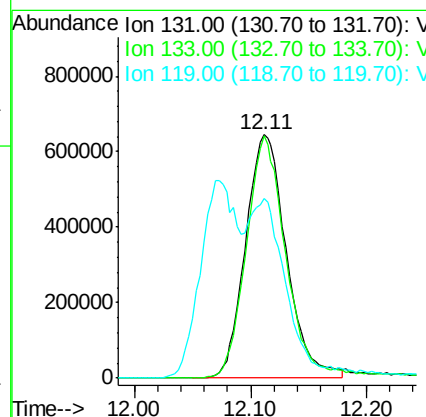
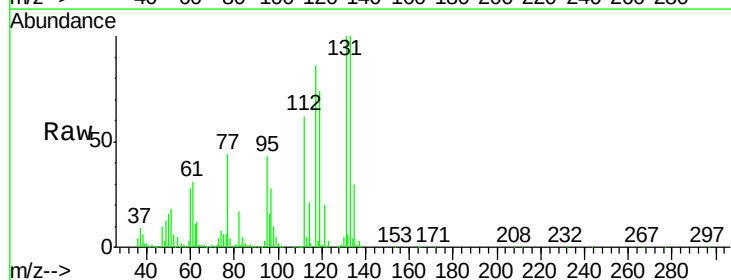
Manual Integrations
APPROVED

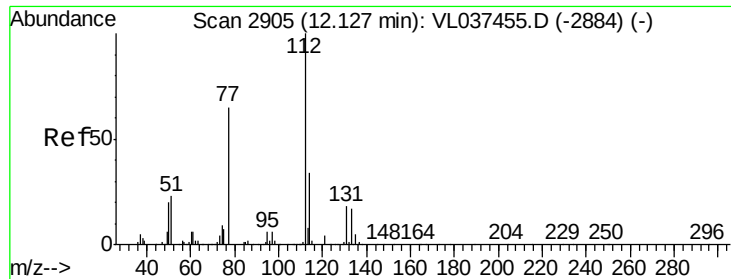
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.636 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Tgt Ion:131 Resp: 1581150
Ion Ratio Lower Upper
131 100
133 96.1 78.7 118.1
119 68.5 56.6 85.0





#57

Chlorobenzene

Concen: 9.324 ppbv

RT: 12.13 min Scan# 2907

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 3046820

Ion Ratio Lower Upper

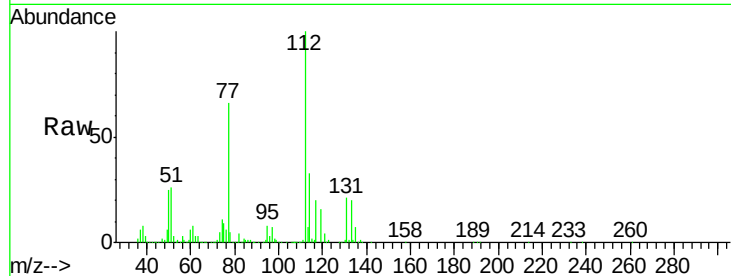
112 100

77 65.1 51.6 77.4

114 33.0 30.7 37.5

Manual Integrations
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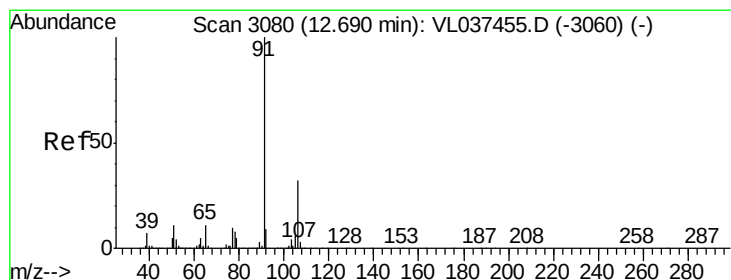
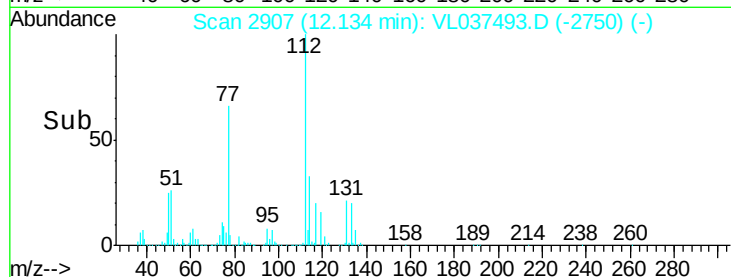
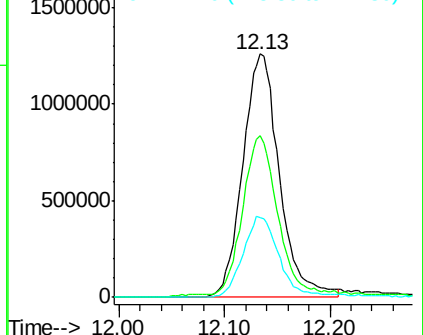
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.778 ppbv

RT: 12.70 min Scan# 3082

Delta R.T. 0.01 min

Lab File: VL037493.D

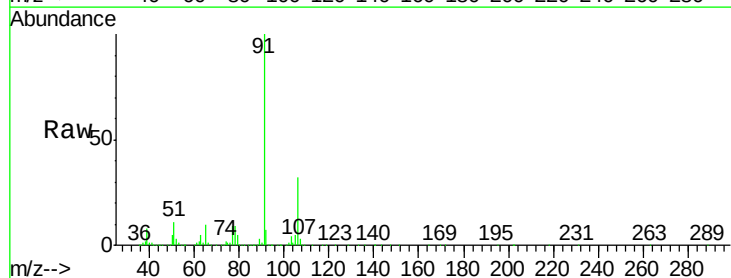
Acq: 18 Aug 2021 16:18

Tgt Ion: 91 Resp: 5343214

Ion Ratio Lower Upper

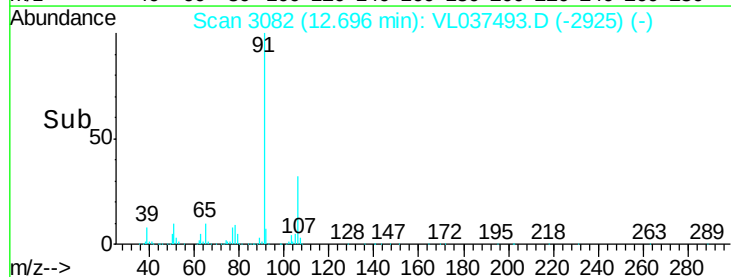
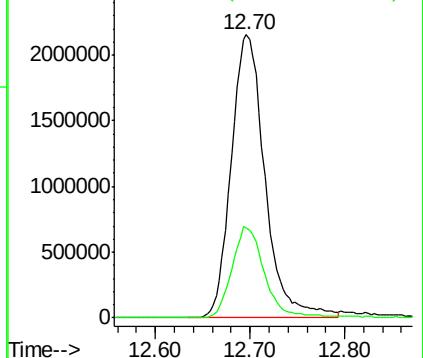
91 100

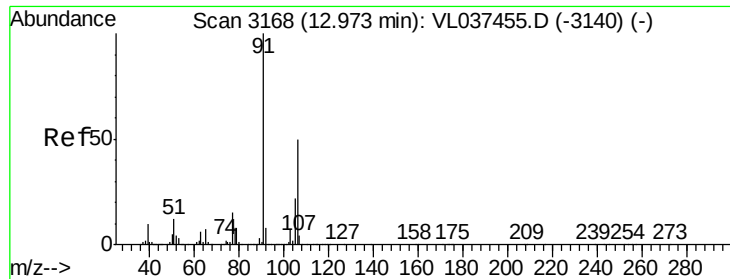
106 31.7 25.7 38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





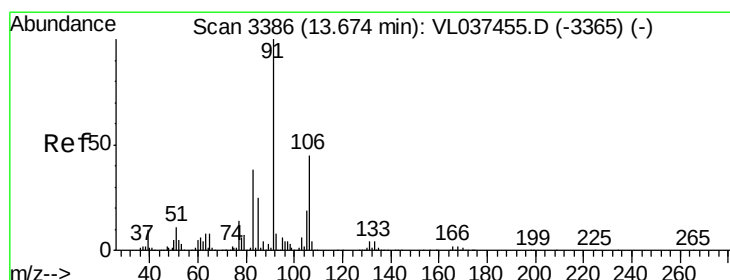
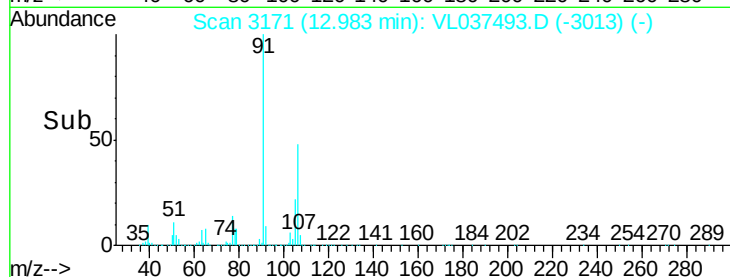
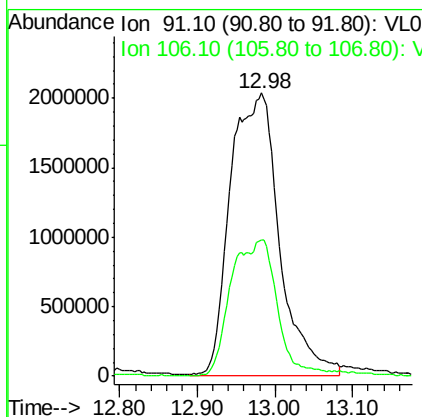
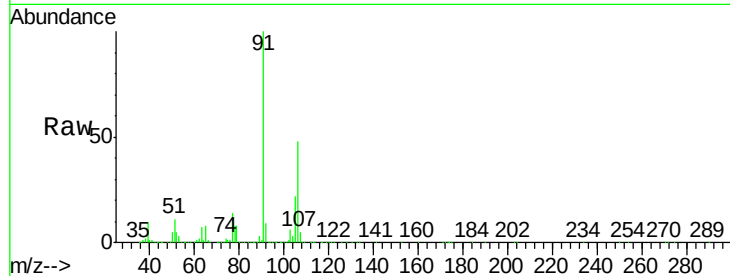
#59
m/p-Xylene
Concen: 18.910 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 8958523
Ion Ratio Lower Upper
91 100
106 46.5 36.9 55.3

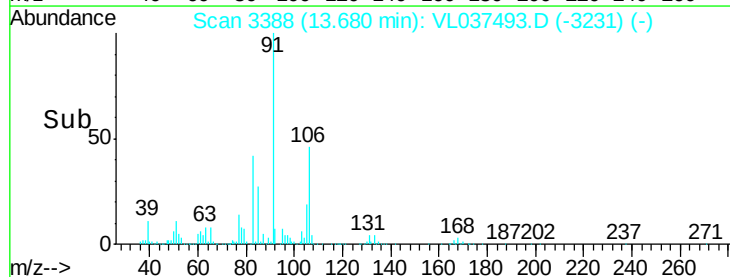
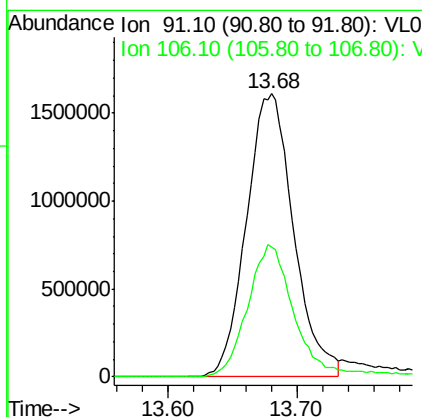
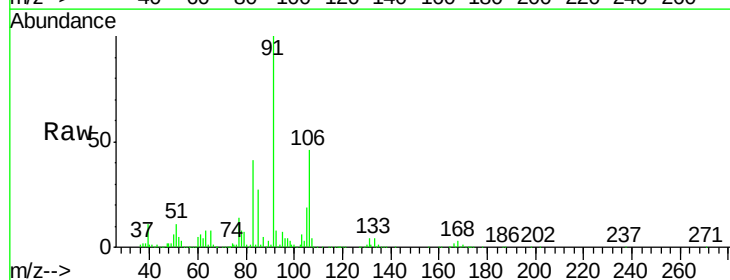
Manual Integrations
APPROVED

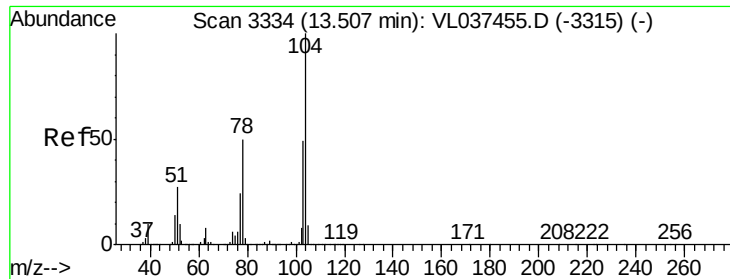
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#60
o-Xylene
Concen: 9.247 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Tgt Ion: 91 Resp: 4088602
Ion Ratio Lower Upper
91 100
106 48.1 23.7 71.1





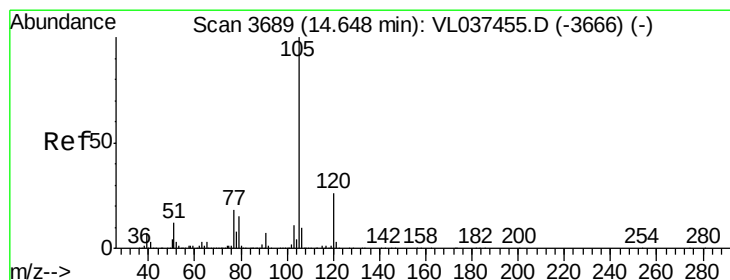
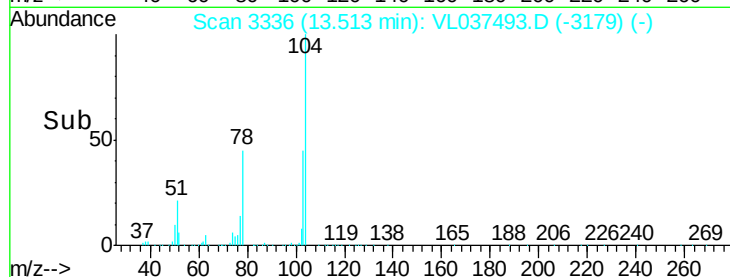
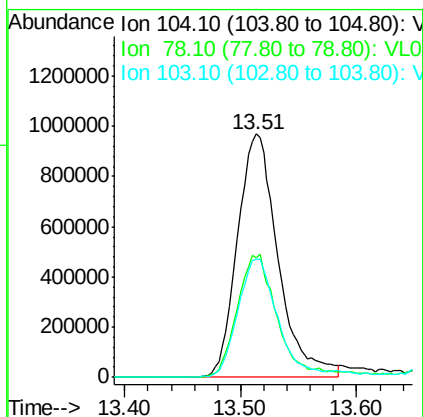
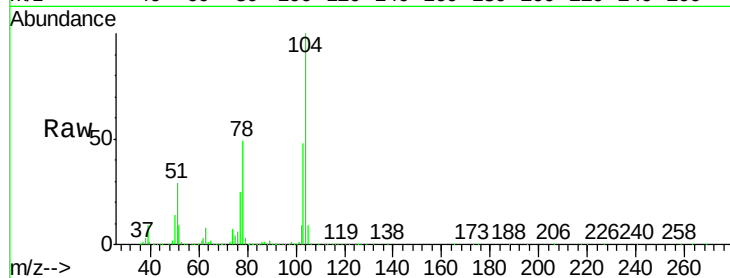
#61
Stvrene
Concen: 10.280 ppbv
RT: 13.51 min Scan# 3336
Delta R.T. 0.01 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.2	41.3	61.9
103	49.5	39.4	59.0

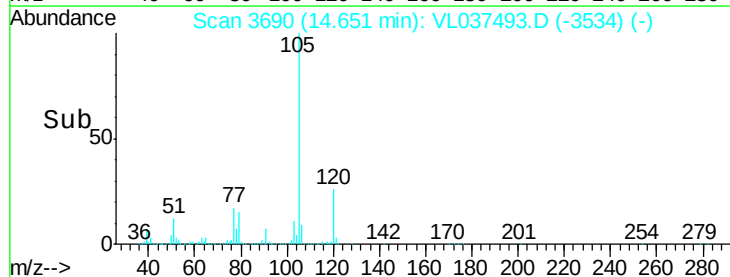
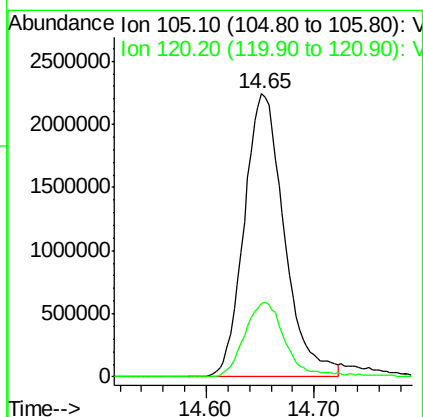
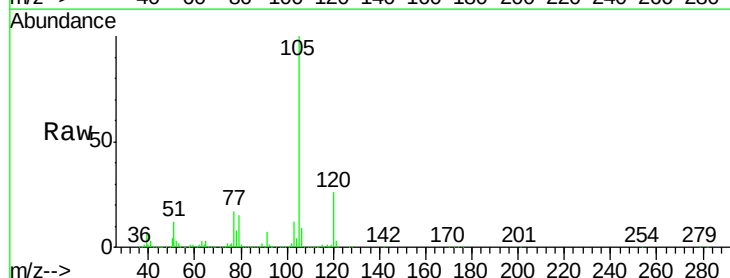
Manual Integrations
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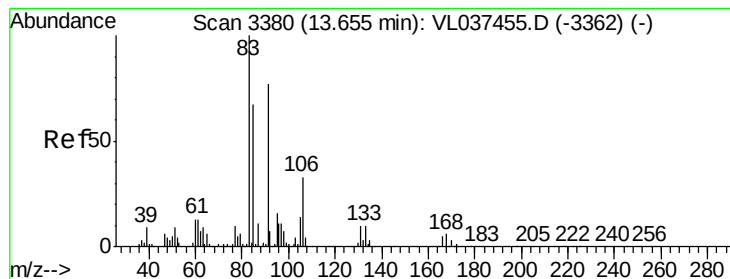
MMDadoda
8/19/2021 5:58:02 PM



#62
Isopropylbenzene
Concen: 9.287 ppbv
RT: 14.65 min Scan# 3690
Delta R.T. 0.00 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	21.5	32.3





#63

1,1,2,2-Tetrachloroethane

Concen: 9.422 ppbv

RT: 13.66 min Scan# 3382

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 3096335

Ion Ratio Lower Upper

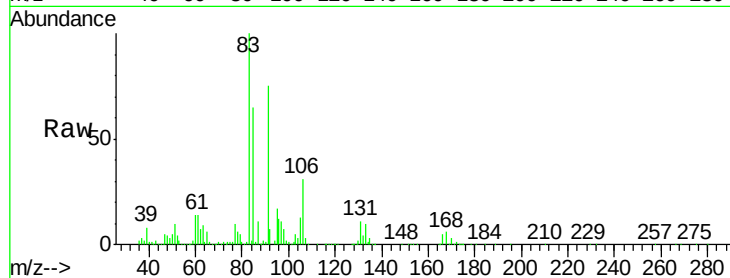
83 100

131 10.2 5.0 15.0

85 66.2 33.8 101.3

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

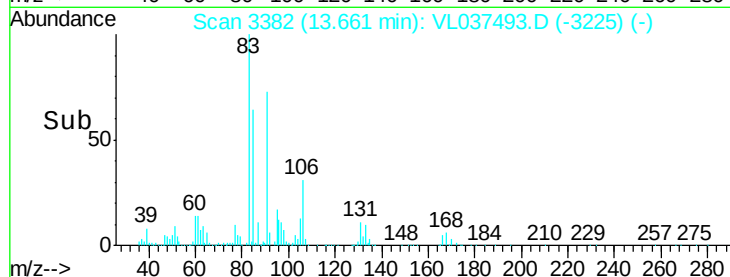
1500000

1000000

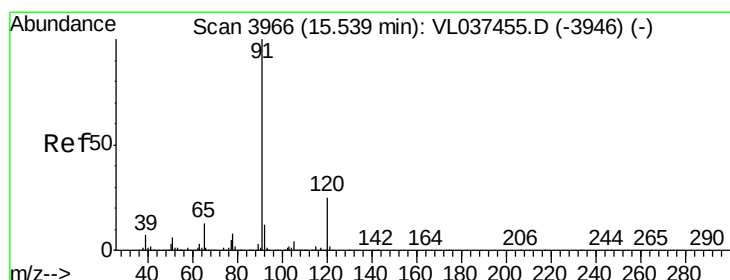
500000

0

13.60 13.70



Time-->



#64

n-propylbenzene

Concen: 9.588 ppbv

RT: 15.55 min Scan# 3968

Delta R.T. 0.01 min

Lab File: VL037493.D

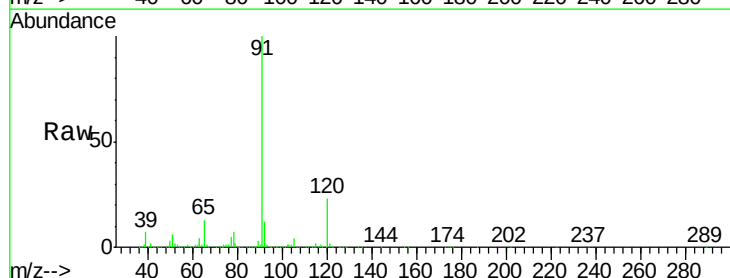
Acq: 18 Aug 2021 16:18

Tgt Ion: 120 Resp: 1522734

Ion Ratio Lower Upper

120 100

91 482.4 373.8 560.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

3000000

2500000

2000000

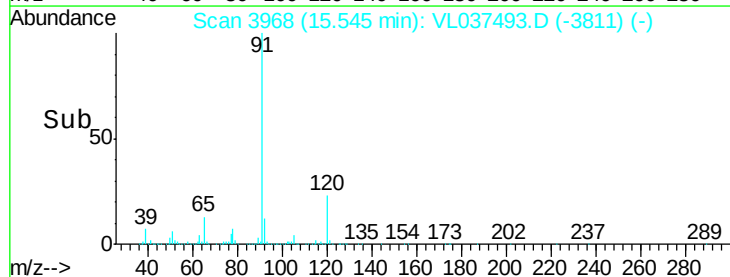
1500000

1000000

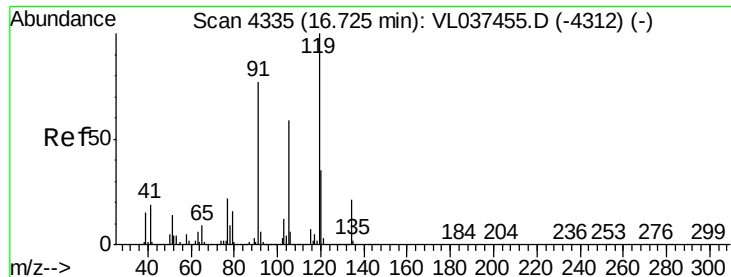
500000

0

15.45 15.50 15.55 15.60



Time-->



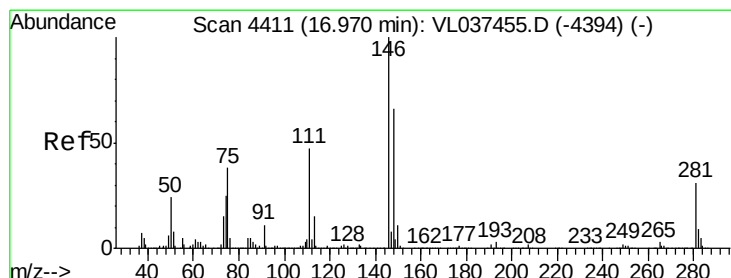
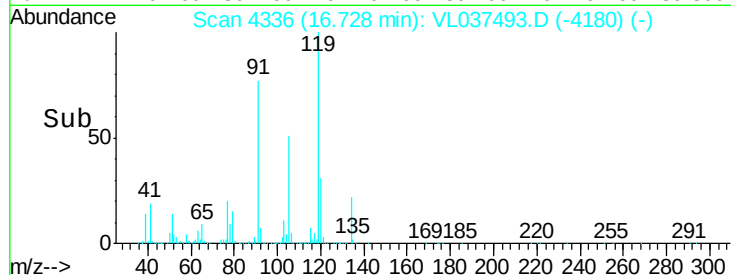
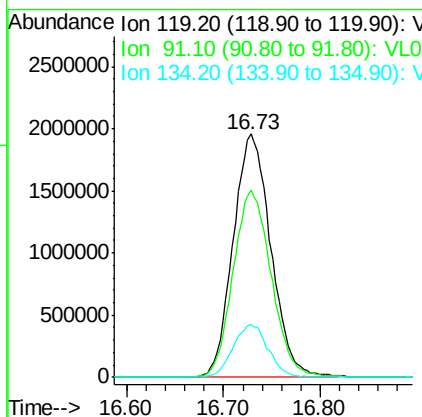
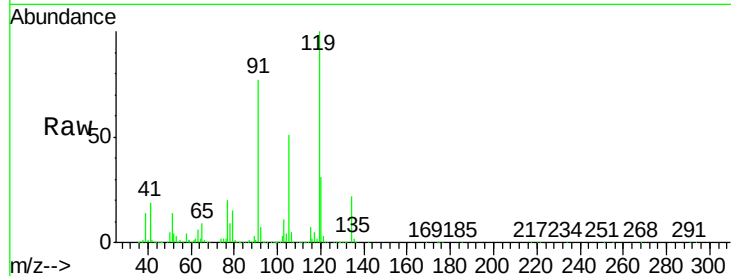
#65
tert-Butylbenzene
Concen: 9.307 ppbv
RT: 16.73 min Scan# 4336
Delta R.T. 0.00 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	78.0	62.9	94.3
134	20.4	16.4	24.6

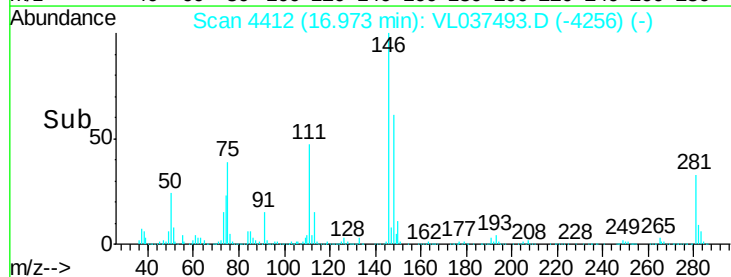
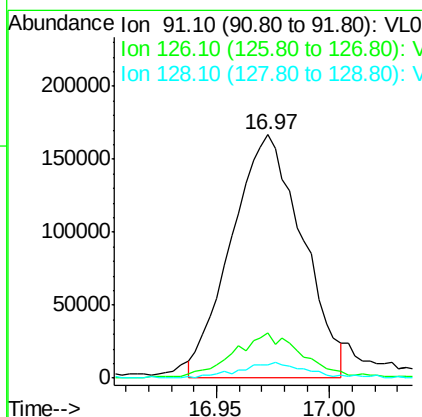
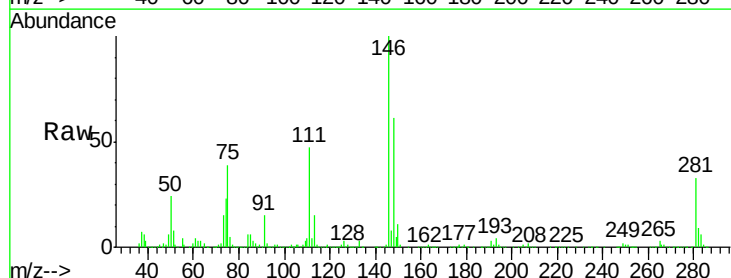
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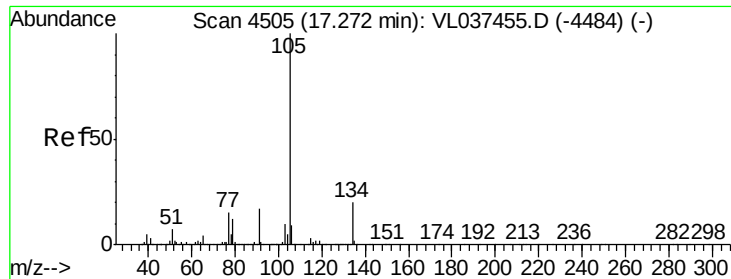
MMDadoda
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#66
Benzyl Chloride
Concen: 14.165 ppbv m
RT: 16.97 min Scan# 4412
Delta R.T. 0.00 min
Lab File: VL037493.D
Acq: 18 Aug 2021 16:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	19.3	15.9	23.9
128	6.6	5.4	8.0





#67

sec-Butylbenzene

Concen: 9.325 ppbv

RT: 17.28 min Scan# 4507

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 7404797

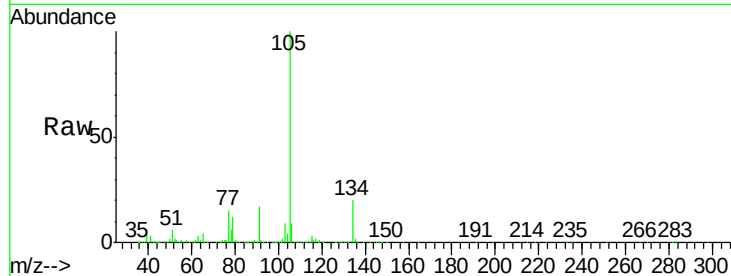
Ion Ratio Lower Upper

105 100

134 19.1 15.2 22.8

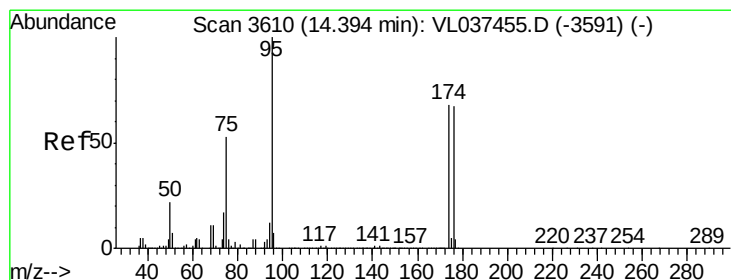
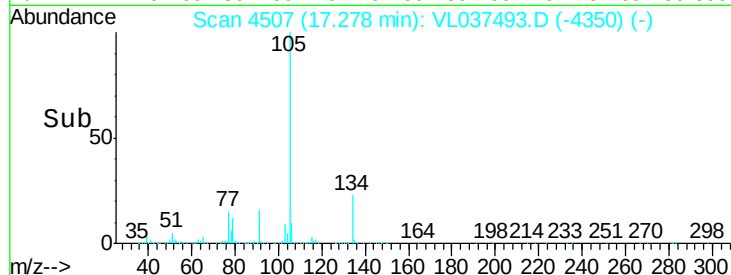
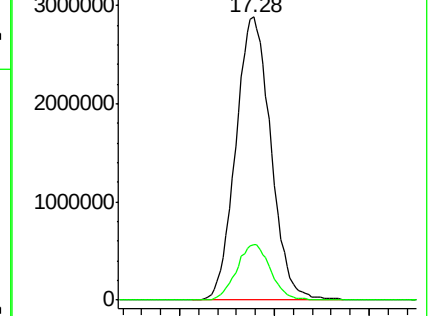
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.405 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

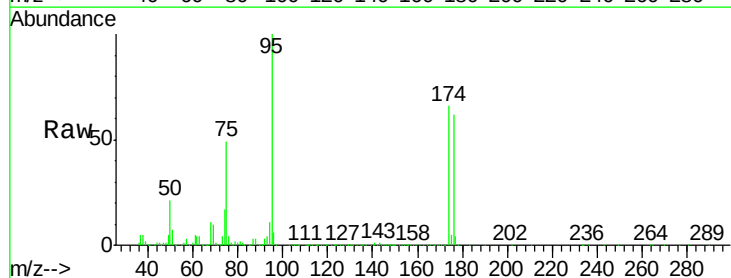
Tgt Ion: 95 Resp: 2911018

Ion Ratio Lower Upper

95 100

174 71.9 59.6 89.4

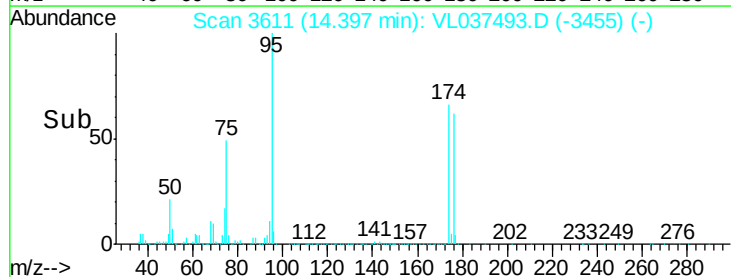
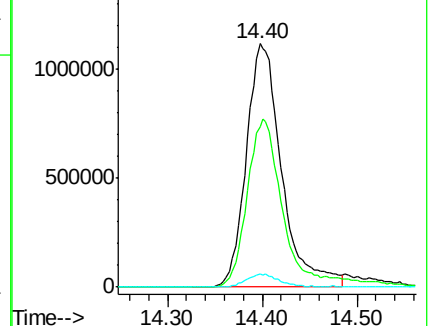
175 5.2 4.6 7.0

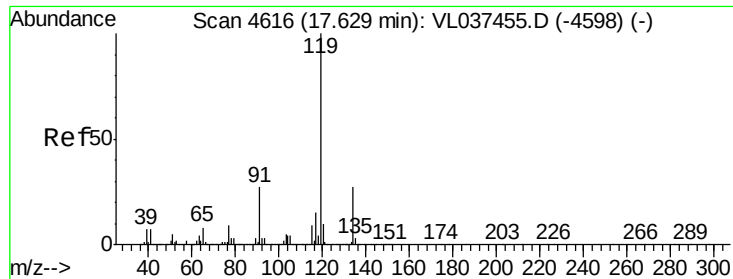


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





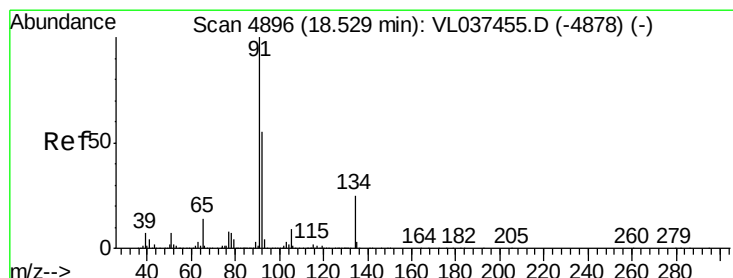
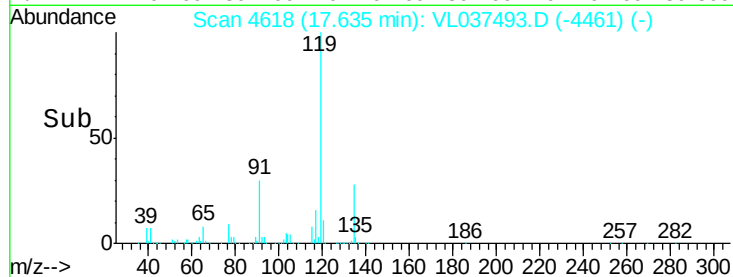
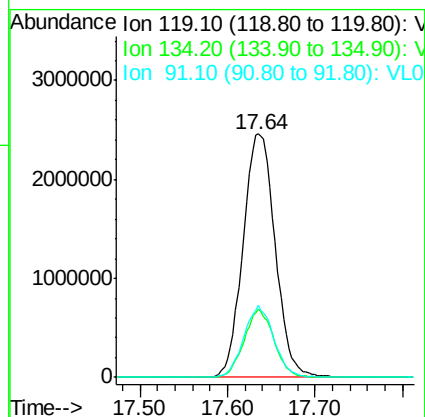
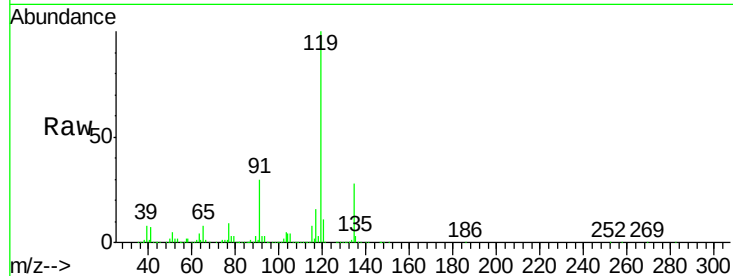
#69
 p-Isopropyltoluene
 Concen: 9.660 ppbv
 RT: 17.64 min Scan# 4618
 Delta R.T. 0.01 min
 Lab File: VL037493.D
 Acq: 18 Aug 2021 16:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:	119	Resp:	6251301
Ion	Ratio	Lower	Upper
119	100		
134	26.2	21.1	31.7
91	27.6	22.4	33.6

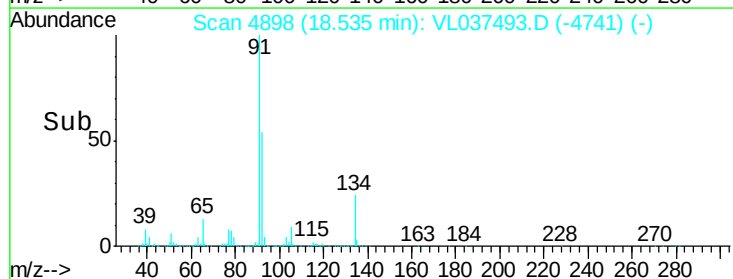
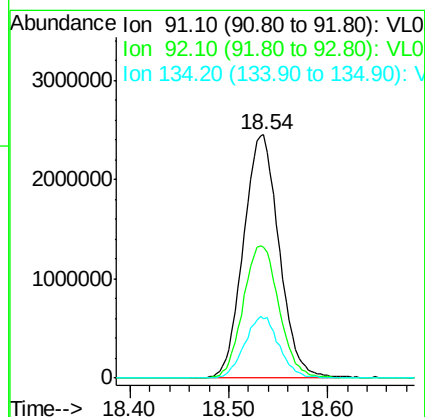
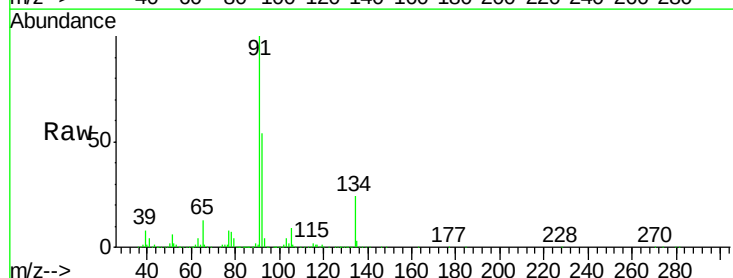
Manual Integrations
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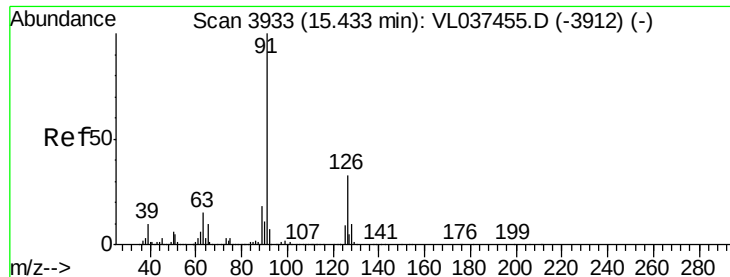
MMDadoda
 8/19/2021 5:58:02 PM



#70
 n-Butylbenzene
 Concen: 9.894 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. 0.01 min
 Lab File: VL037493.D
 Acq: 18 Aug 2021 16:18

Tgt Ion:	91	Resp:	6118679
Ion	Ratio	Lower	Upper
91	100		
92	55.1	44.0	66.0
134	24.7	19.5	29.3





#71

2-Chlorotoluene

Concen: 9.333 ppbv

RT: 15.44 min Scan# 3935

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4270765

Ion Ratio Lower Upper

91 100

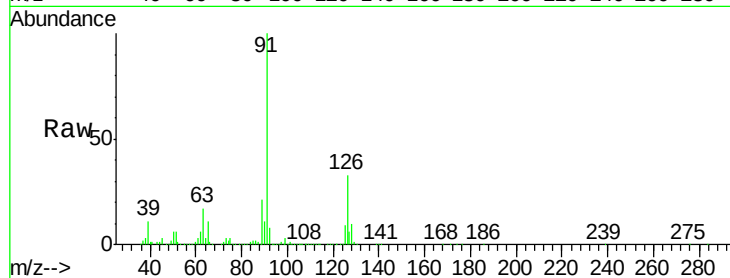
126 34.6 13.6 54.4

Manual Integrations

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

3000000

2500000

2000000

1500000

1000000

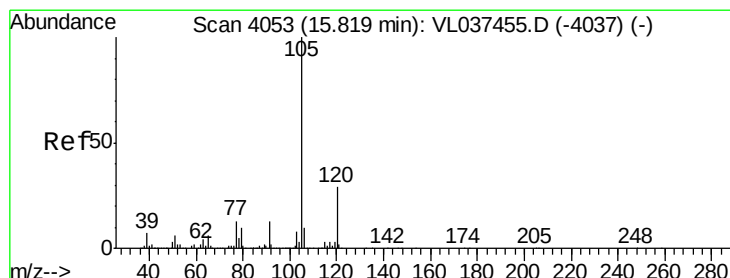
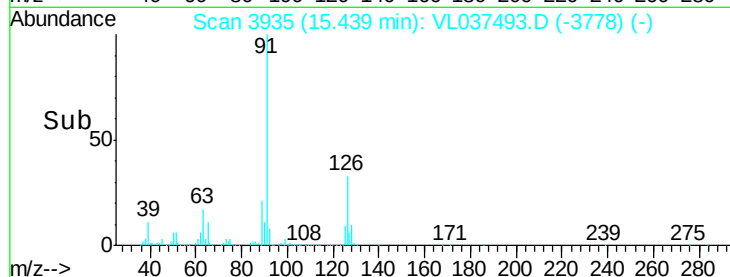
500000

0

15.40

15.50

Time-->



#72

4-Ethyltoluene

Concen: 9.777 ppbv

RT: 15.82 min Scan# 4055

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Tgt Ion:105 Resp: 5142071

Ion Ratio Lower Upper

105 100

120 30.7 24.7 37.1

91 12.1 9.8 14.8

77 13.6 10.6 15.8

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

3000000

2500000

2000000

1500000

1000000

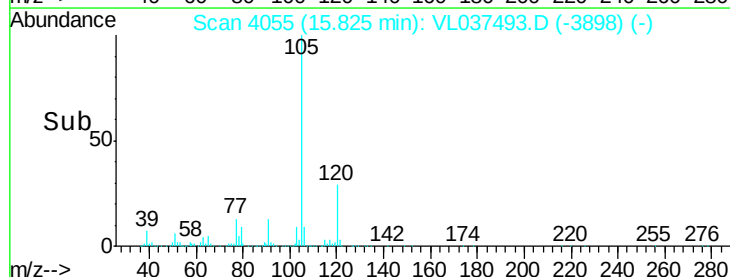
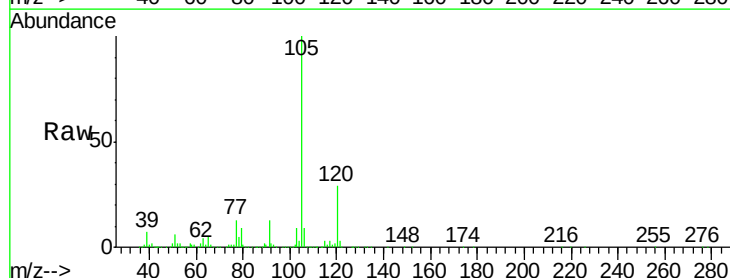
500000

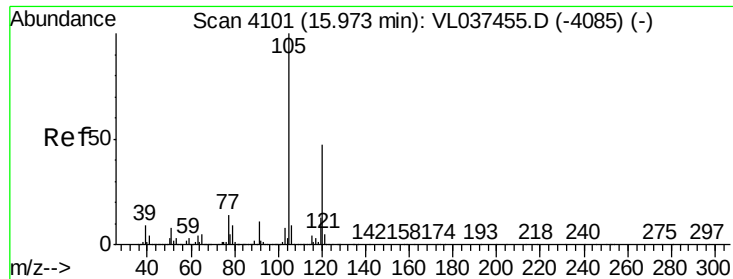
0

15.80

15.90

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 9.399 ppbv

RT: 15.98 min Scan# 4104

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 4601206

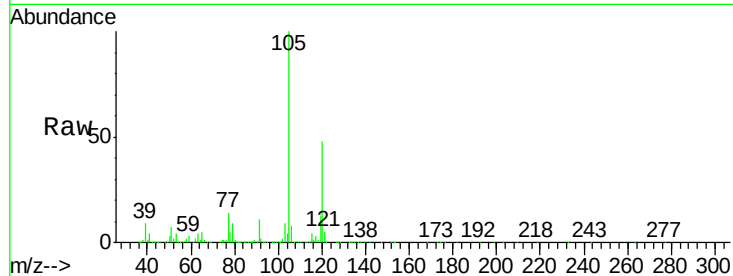
Ion Ratio Lower Upper

105 100

120 47.9 37.6 56.4

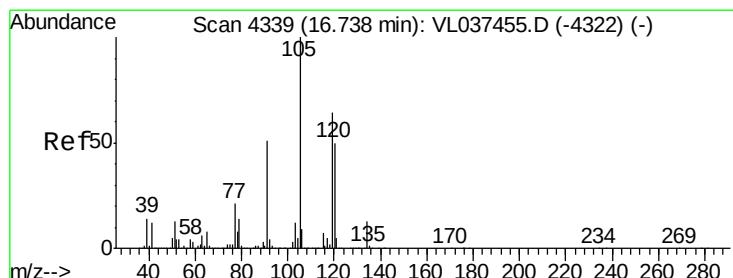
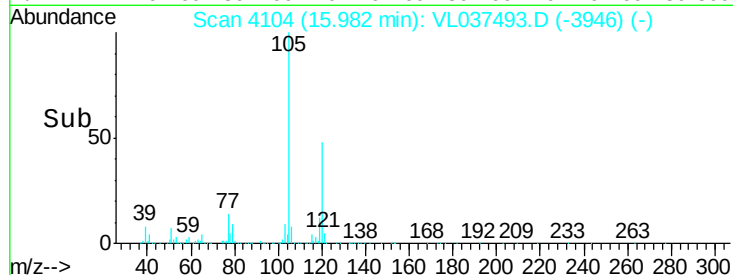
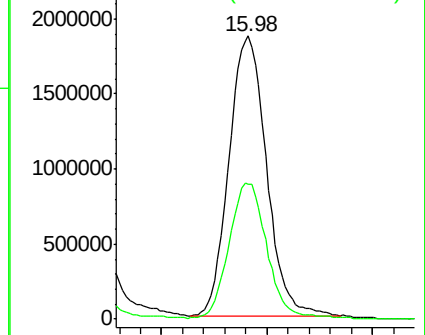
Manual Integrations
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.379 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Tgt Ion:105 Resp: 4878947

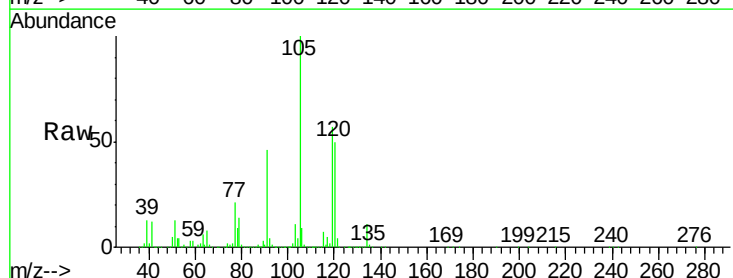
Ion Ratio Lower Upper

105 100

120 49.5 40.4 60.6

91 46.3 44.6 67.0

77 20.7 17.8 26.6

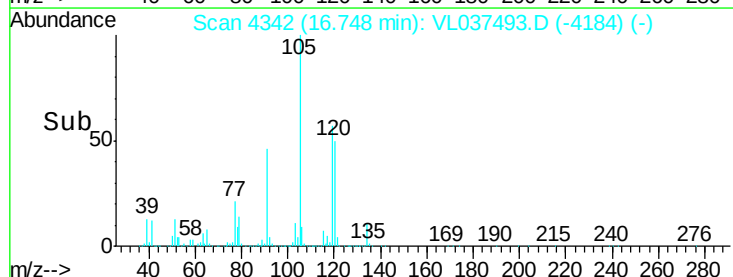
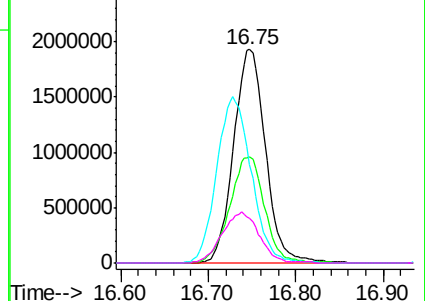


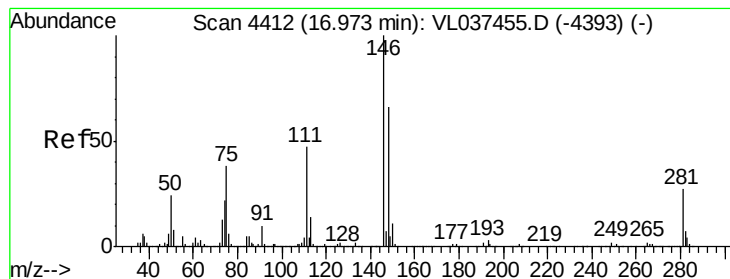
Abundance Ion 105.10 (104.80 to 105.80): V

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: 9.316 ppbv

RT: 16.98 min Scan# 4415

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2917056

Ion Ratio Lower Upper

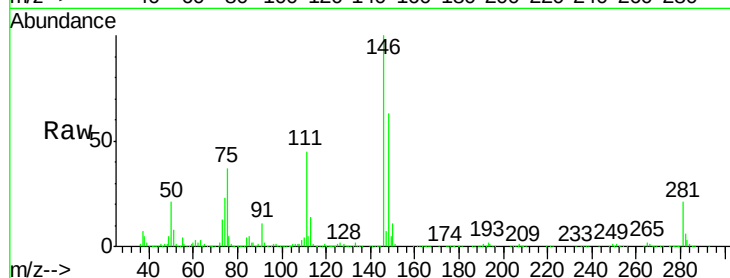
146 100

111 46.9 23.4 70.0

148 65.8 33.1 99.5

Manual Integrations
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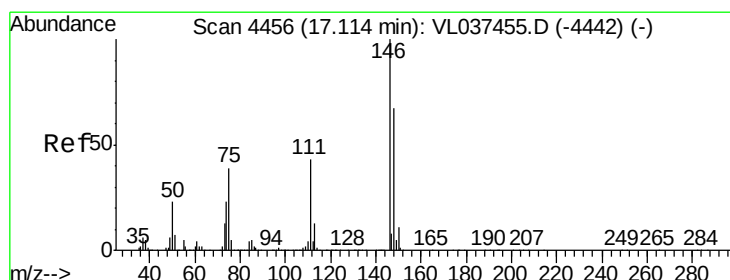
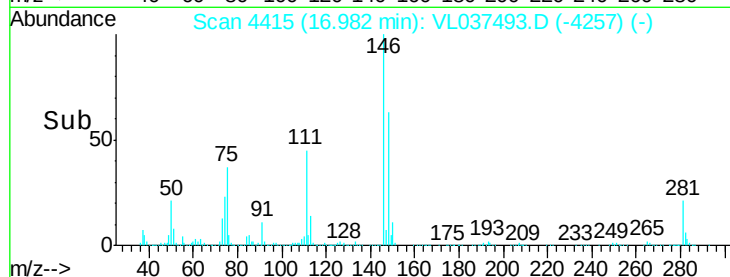
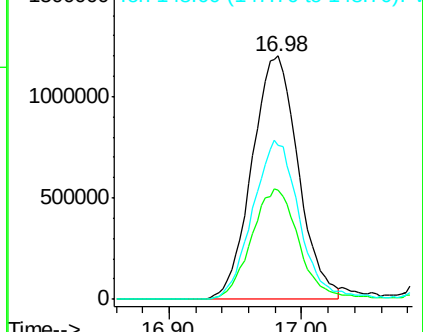
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.000 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

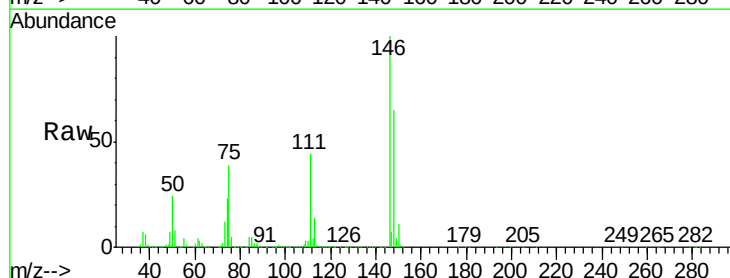
Tgt Ion:146 Resp: 2838854

Ion Ratio Lower Upper

146 100

111 46.7 22.1 66.5

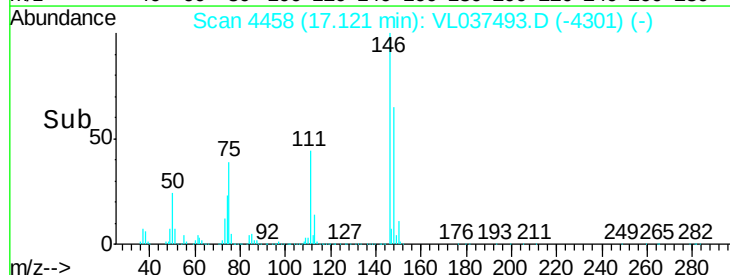
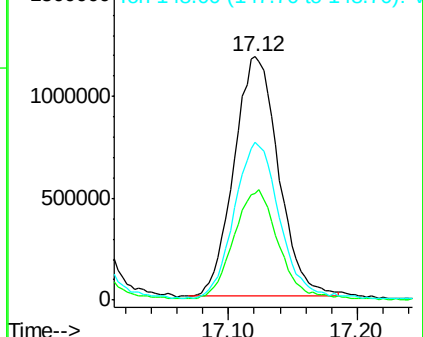
148 68.7 32.4 97.0

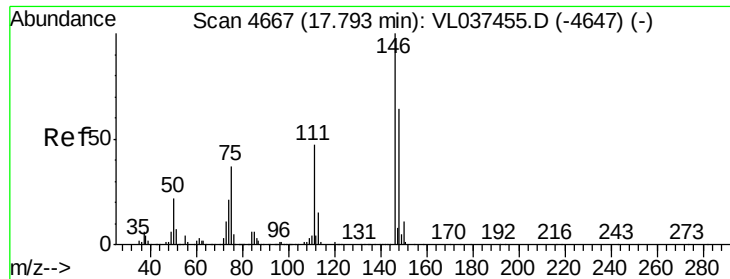


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





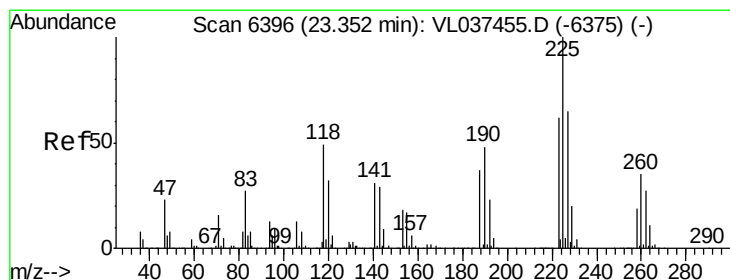
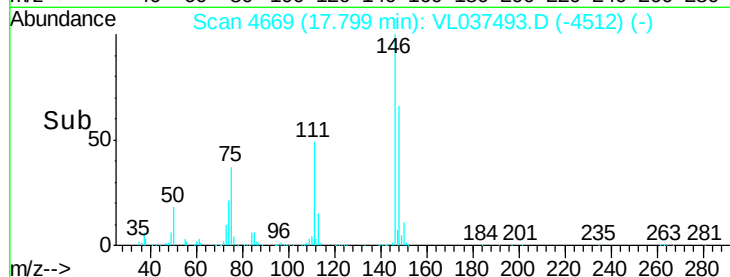
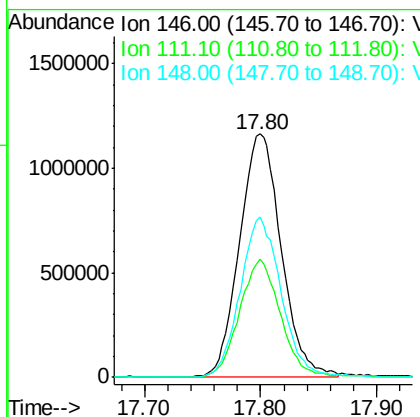
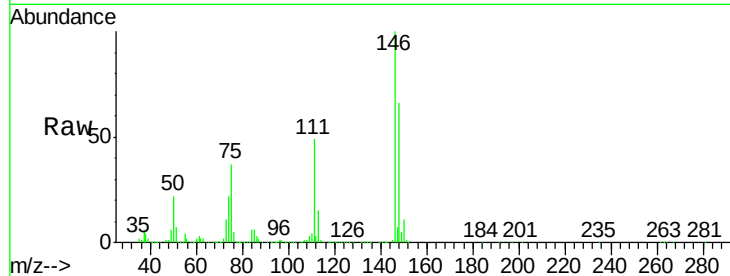
#77
 1,2-Dichlorobenzene
 Concen: 9.399 ppbv
 RT: 17.80 min Scan# 4669
 Delta R.T. 0.01 min
 Lab File: VL037493.D
 Acq: 18 Aug 2021 16:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.8	23.4	70.3
148	64.9	32.5	97.5

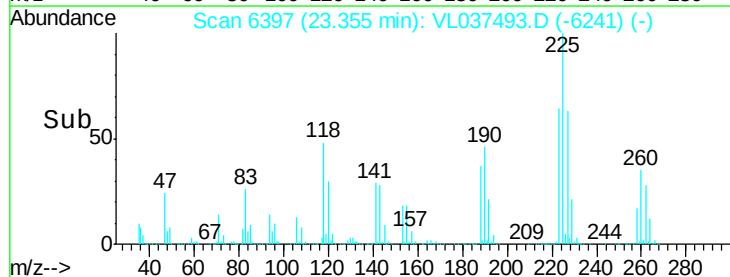
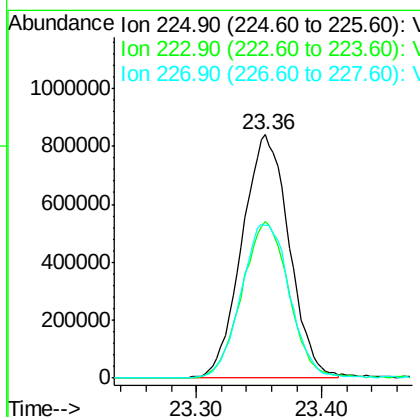
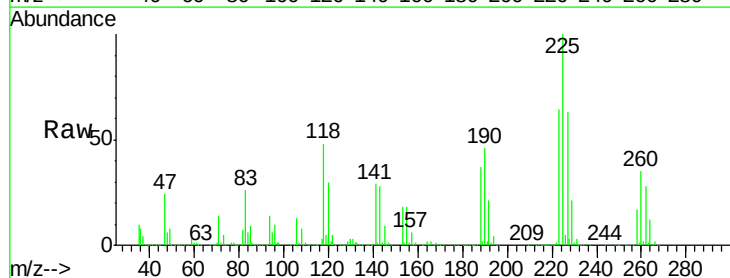
Manual Integrations
 APPROVED

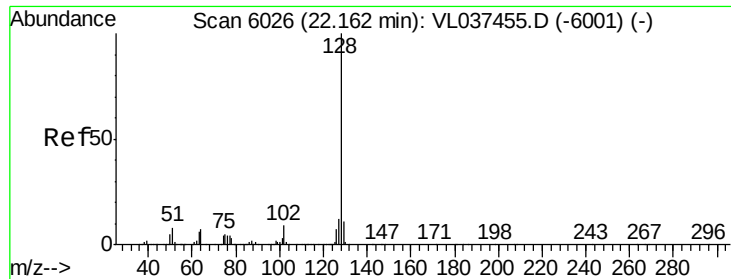
MMDadoda
 8/19/2021 5:58:02 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.559 ppbv
 RT: 23.36 min Scan# 6397
 Delta R.T. 0.00 min
 Lab File: VL037493.D
 Acq: 18 Aug 2021 16:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	51.4	77.0
227	65.3	52.9	79.3





#79

Naphthalene

Concen: 10.825 ppbv

RT: 22.17 min Scan# 6028

Delta R.T. 0.01 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:128 Resp: 3768606

Ion Ratio Lower Upper

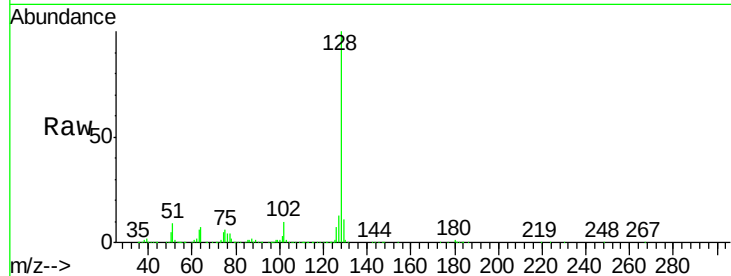
128 100

127 13.0 9.4 14.2

129 10.8 8.8 13.2

Manual Integrations
APPROVED

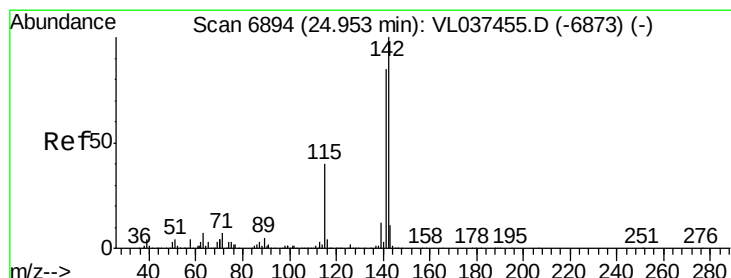
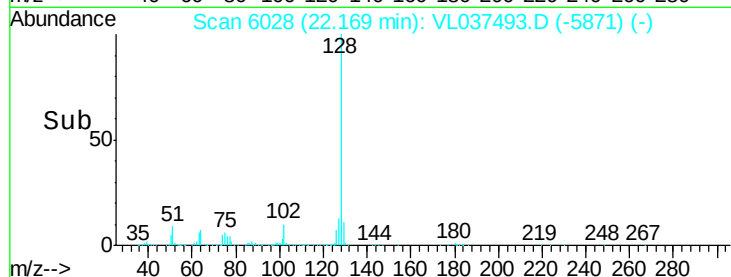
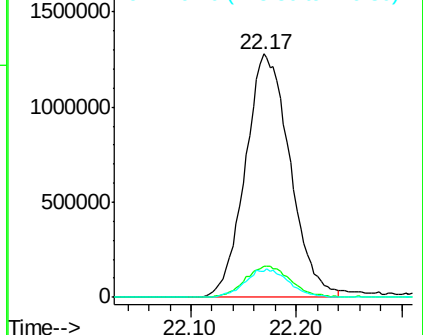
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Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 11.107 ppbv

RT: 24.95 min Scan# 6894

Delta R.T. -0.00 min

Lab File: VL037493.D

Acq: 18 Aug 2021 16:18

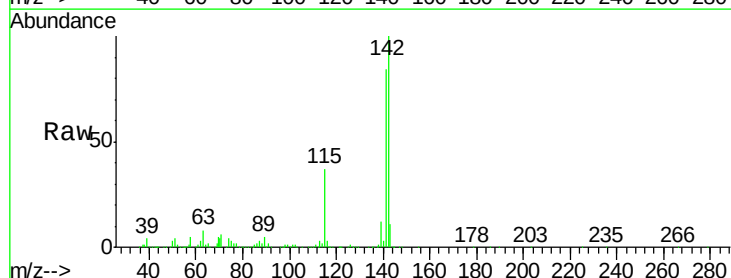
Tgt Ion:142 Resp: 1077207

Ion Ratio Lower Upper

142 100

141 83.9 64.7 97.1

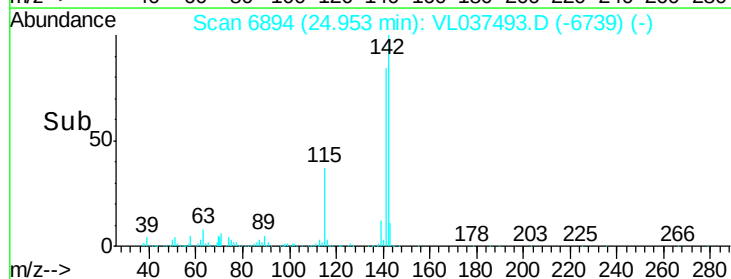
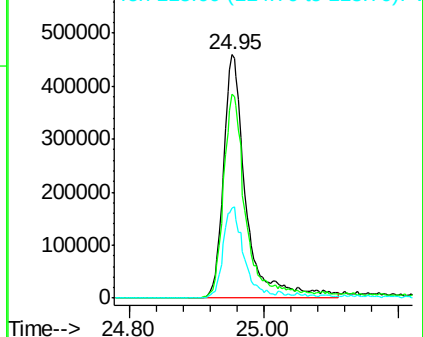
115 35.8 28.4 42.6

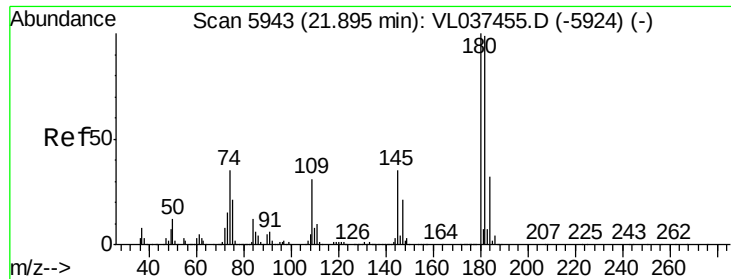


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 10.314 ppbv
 RT: 21.90 min Scan# 5945
 Delta R.T. 0.01 min
 Lab File: VL037493.D
 Acq: 18 Aug 2021 16:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.0	79.6	119.4
184	31.6	25.4	38.2

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 5:58:02 PM

