

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072721\
 Data File : VL037279.D
 Acq On : 27 Jul 2021 2:35
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 9:03:23 AM

Quant Time: Jul 27 06:46:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 27 2021
 QLast Update : Tue Jul 27 06:38:44 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1373250	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3998351	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3739827m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2936729	10.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2226955	9.194	ppbv	100
3) Chlorodifluoromethane	2.99	51	2497569	9.270	ppbv	100
4) Chloromethane	3.14	50	860404	9.594	ppbv	100
5) Vinyl Chloride	3.25	62	889495	9.105	ppbv	100
6) Bromomethane	3.47	94	516572	8.949	ppbv	100
7) Chloroethane	3.56	64	346052	9.720	ppbv	100
8) Dichlorotetrafluoroethane	3.19	85	2338173	9.436	ppbv	100
9) Propene	3.01	41	794140	9.257	ppbv	100
10) Heptane	8.12	43	2039261	9.782	ppbv	100
11) Trichlorofluoromethane	3.95	101	2518021	9.730	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1805504	9.873	ppbv	100
13) Ethanol	3.60	45	98937m	7.613	ppbv	
14) Bromoethene	3.74	108	755033	9.952	ppbv	100
15) Acetone	3.85	43	1355025	8.512	ppbv	100
16) 1,3-Butadiene	3.32	39	915441	9.902	ppbv	100
17) tert-Butyl alcohol	4.29	59	1504256	10.442	ppbv	100
18) 1,1-Dichloroethene	4.29	96	817043	10.062	ppbv	100
19) Isopropyl Alcohol	3.97	45	807753	8.735	ppbv	98
20) Methylene Chloride	4.34	84	708973	7.512	ppbv	100
21) Allyl Chloride	4.41	41	1203747	10.110	ppbv	100
22) trans-1,2-Dichloroethene	4.89	96	797278	9.953	ppbv	100
23) Vinyl Acetate	5.08	43	2152331	9.633	ppbv	100
24) 1,1-Dichloroethane	5.01	63	1807900	9.977	ppbv	100
25) Ethyl Acetate	5.68	43	3221876	9.520	ppbv	100
26) Hexane	5.69	57	1520205	8.919	ppbv	100
27) Carbon Disulfide	4.55	76	1852228	10.999	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	2007610	9.791	ppbv	100
29) Chloroform	5.75	83	2562794	9.659	ppbv	100
30) Cyclohexane	7.13	84	1336785	9.407	ppbv	100
31) cis-1,2-Dichloroethene	5.55	61	1537192	9.776	ppbv	100
32) 1,1,1-Trichloroethane	6.52	97	2662756	9.429	ppbv	100
34) 2-Butanone	5.25	43	1538852	9.703	ppbv	99
35) Carbon Tetrachloride	7.02	117	2888439	10.630	ppbv	100
36) Benzene	6.89	78	3157740	9.703	ppbv	100
37) 1,2-Dichloroethane	6.31	62	1963255	10.255	ppbv	100
38) Trichloroethene	7.84	130	1361999	8.802	ppbv	100
39) 1,2-Dichloropropane	7.62	63	1213707	10.038	ppbv	100
40) 1,4-Dioxane	7.84	88	314631	9.614	ppbv	# 100
41) Tetrahydrofuran	6.05	42	735067	10.074	ppbv	100
42) Bromodichloromethane	7.80	83	2717057	10.380	ppbv	100
43) Methyl Methacrylate	8.02	69	1165878	10.364	ppbv	100

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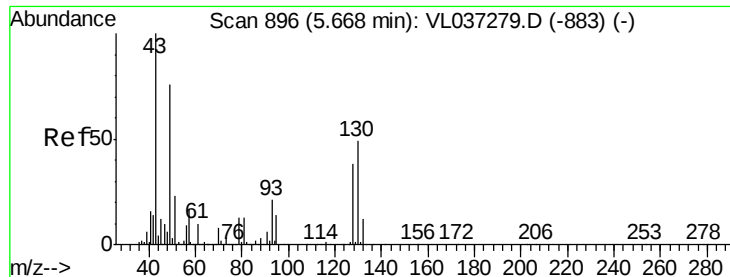
Manual Integrations
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 27 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5260375	9.570	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1088001	11.214	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1387807	10.417	ppbv	100
47) 1,1,2-Trichloroethane	9.48	97	1360134	9.821	ppbv	100
48) Dibromochloromethane	10.31	129	2481200	11.278	ppbv	100
49) Bromoform	13.05	173	2067558	12.454	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2344619	10.749	ppbv	100
51) 2-Hexanone	10.14	43	1195847	11.208	ppbv	99
52) Tetrachloroethene	11.23	164	1312670	8.701	ppbv	100
53) Toluene	9.81	91	3821153	9.805	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2034592	10.207	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.13	131	1703517	10.262	ppbv #	66
57) Chlorobenzene	12.15	112	2943937	9.608	ppbv	100
58) Ethyl Benzene	12.72	91	5109787	9.836	ppbv	100
59) m/p-Xylene	13.00	91	8730783m	19.759	ppbv	
60) o-Xylene	13.70	91	4161615	9.868	ppbv	100
61) Styrene	13.54	104	2316128	10.741	ppbv	100
62) Isopropylbenzene	14.67	105	5819433	9.699	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2843083	10.098	ppbv	100
64) n-propylbenzene	15.57	120	1535001	10.252	ppbv	100
65) tert-Butylbenzene	16.75	119	5338716	9.974	ppbv	100
66) Benzyl Chloride	16.99	91	235113	10.314	ppbv	99
67) sec-Butylbenzene	17.30	105	7047886	9.889	ppbv	100
69) p-Isopropyltoluene	17.66	119	6058603	10.077	ppbv	100
70) n-Butylbenzene	18.56	91	5666132	10.191	ppbv	100
71) 2-Chlorotoluene	15.46	91	4258918	10.118	ppbv	100
72) 4-Ethyltoluene	15.84	105	4978134	10.359	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	4552762	9.801	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	4762731	9.948	ppbv	100
75) 1,3-Dichlorobenzene	17.00	146	2876312	9.898	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	2728819	9.416	ppbv	100
77) 1,2-Dichlorobenzene	17.82	146	2761737	9.794	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	1726734	7.364	ppbv	99
79) Naphthalene	22.20	128	3159682	8.431	ppbv	100
80) Naphthalene, 2-methyl-	24.98	142	590424	6.560	ppbv	99
81) 1,2,4-Trichlorobenzene	21.93	180	1862842	8.474	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 49 Resp: 1373250

Ion Ratio Lower Upper

49 100

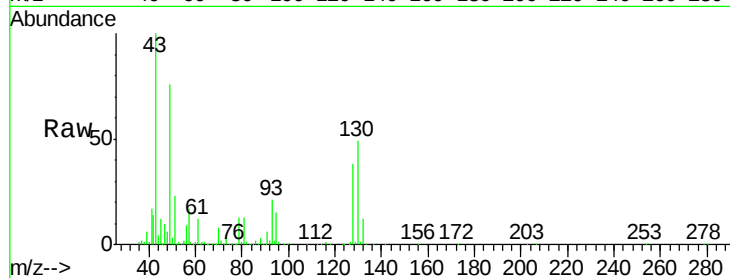
128 56.8 28.4 85.2

130 70.0 34.8 104.5

Manual Integrations
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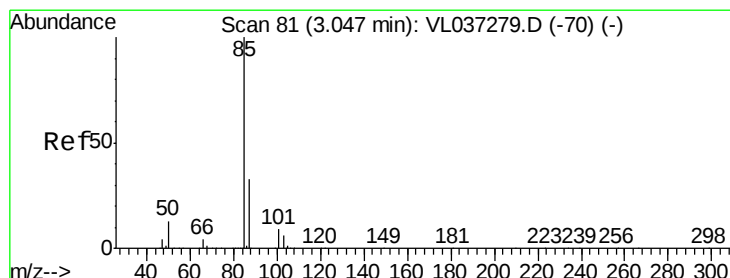
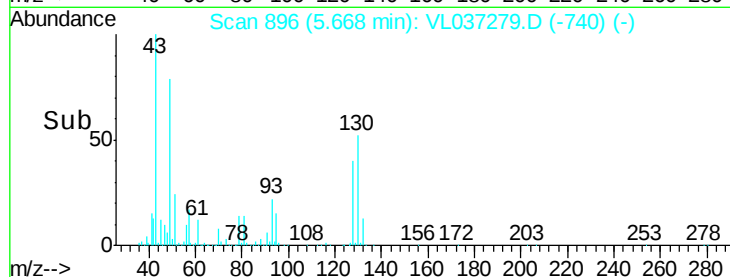
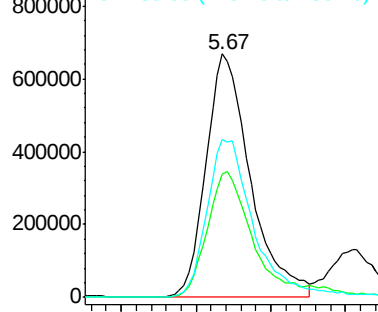
8/2/2021 9:03:23 AM



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: 9.194 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL037279.D

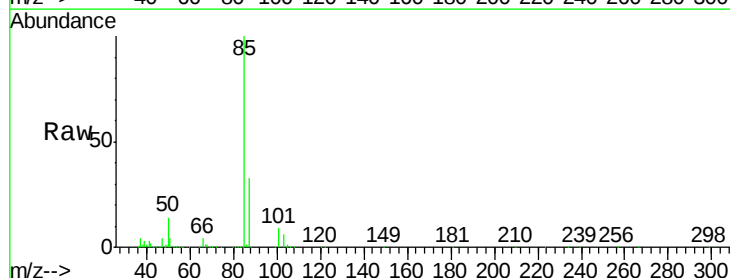
Acq: 27 Jul 2021 2:35

Tgt Ion: 85 Resp: 2226955

Ion Ratio Lower Upper

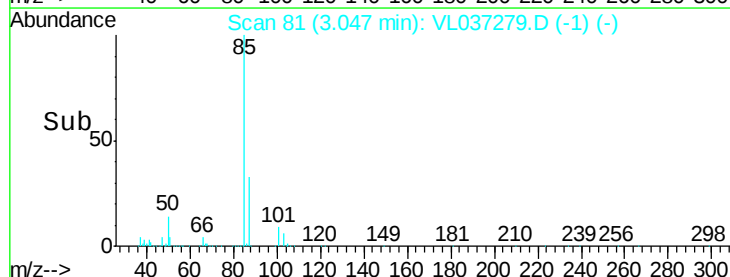
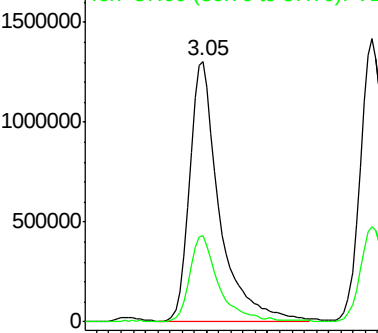
85 100

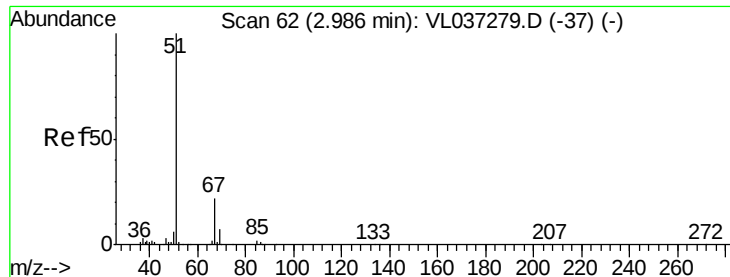
87 33.2 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.270 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 51 Resp: 2497569

Ion Ratio Lower Upper

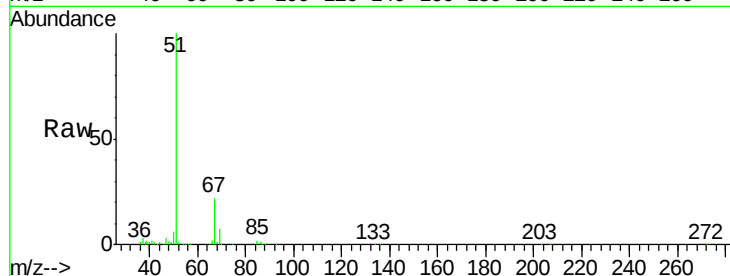
51 100

67 20.3 16.2 24.4

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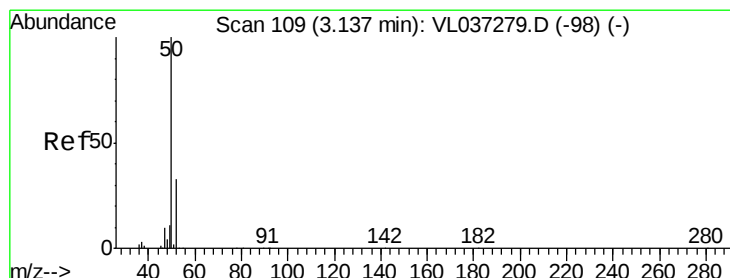
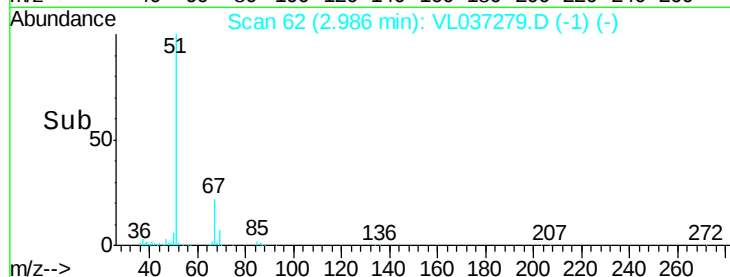
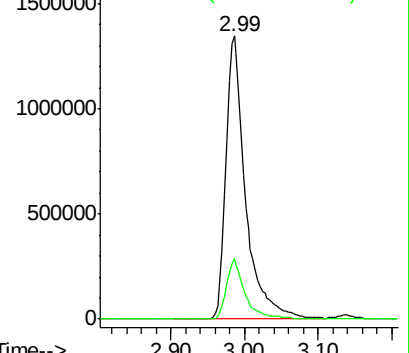
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.594 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL037279.D

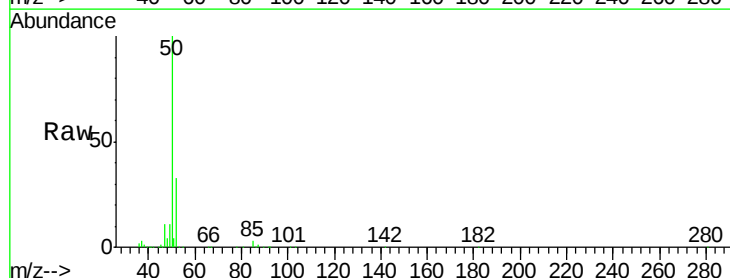
Acq: 27 Jul 2021 2:35

Tgt Ion: 50 Resp: 860404

Ion Ratio Lower Upper

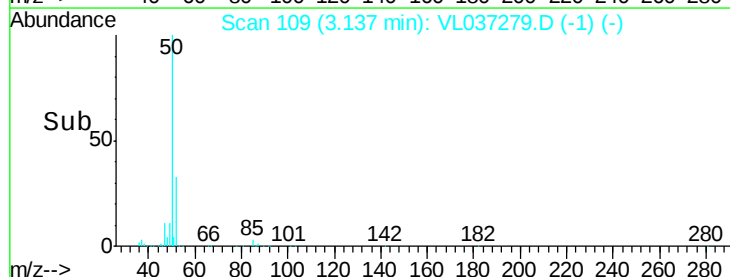
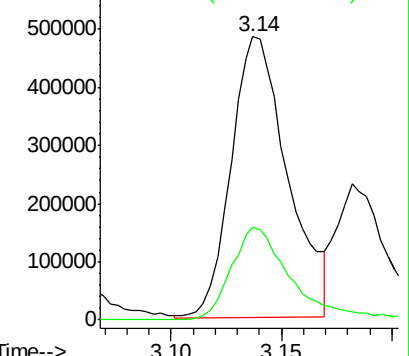
50 100

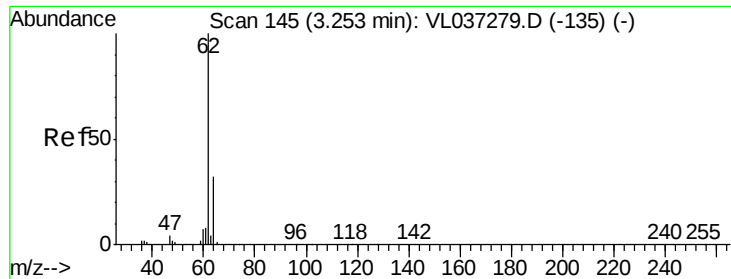
52 33.0 26.4 39.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.105 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 889495

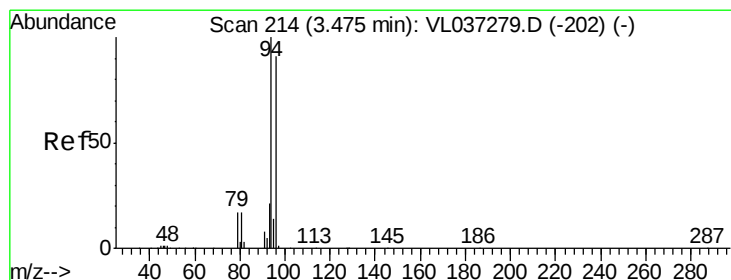
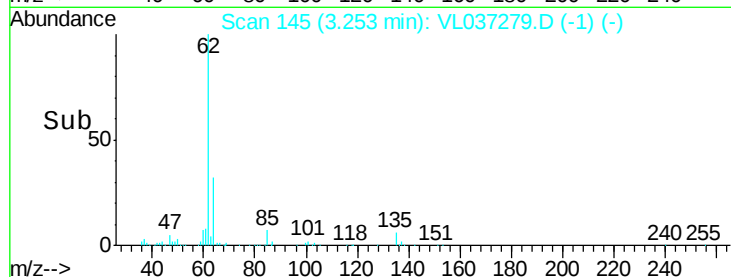
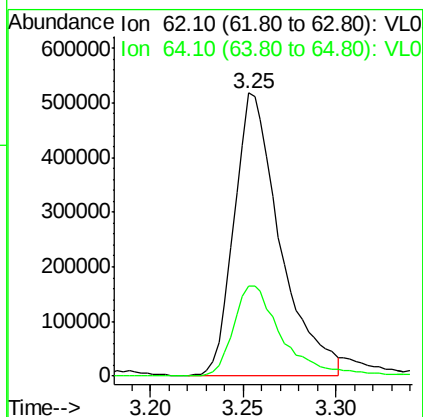
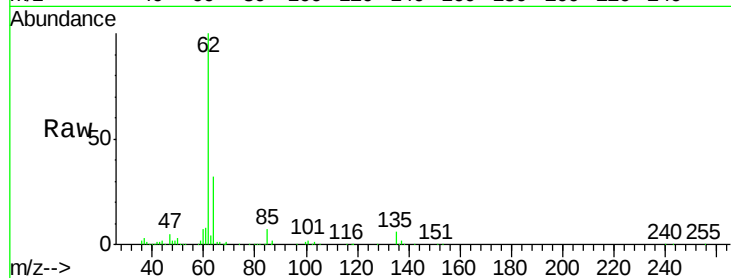
Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3

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#6

Bromomethane

Concen: 8.949 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL037279.D

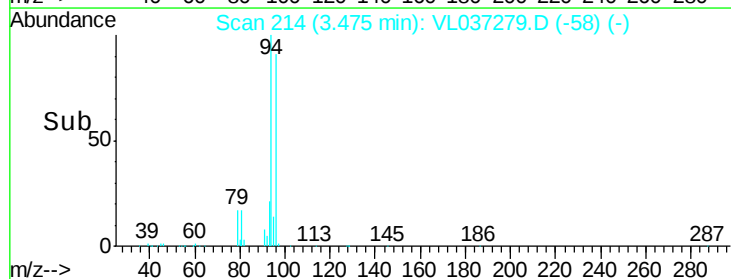
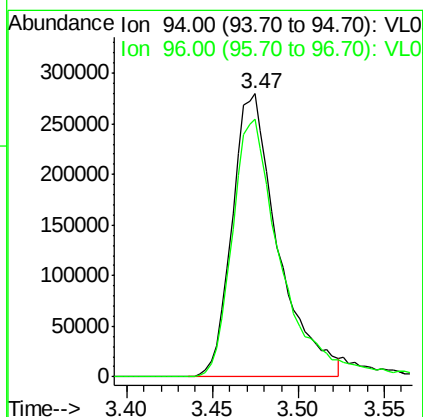
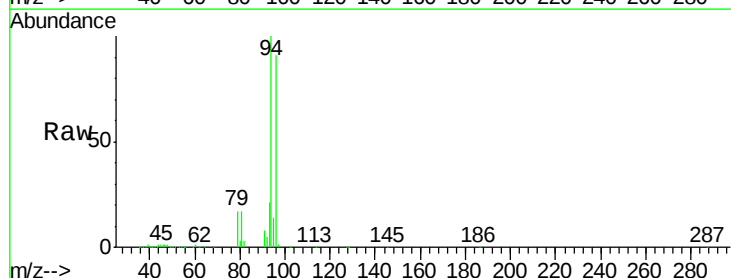
Acq: 27 Jul 2021 2:35

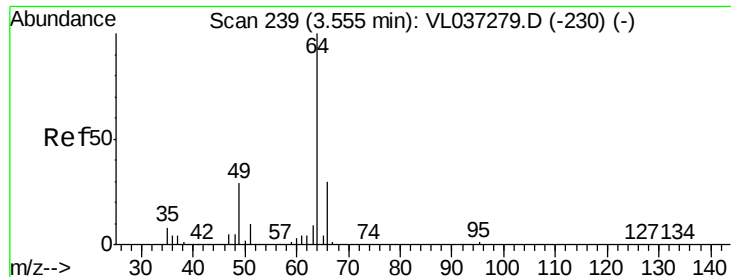
Tgt Ion: 94 Resp: 516572

Ion Ratio Lower Upper

94 100

96 91.2 73.0 109.4





#7

Chloroethane

Concen: 9.720 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 346052

Ion Ratio Lower Upper

64 100

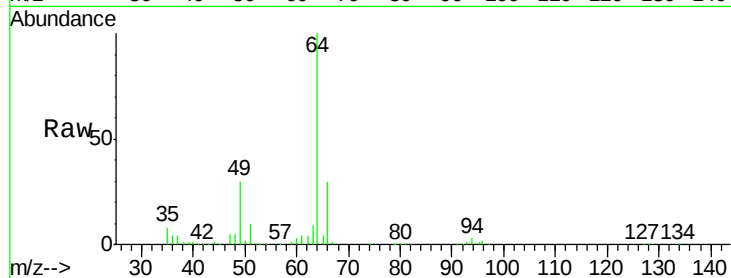
66 30.4 24.3 36.5

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

200000

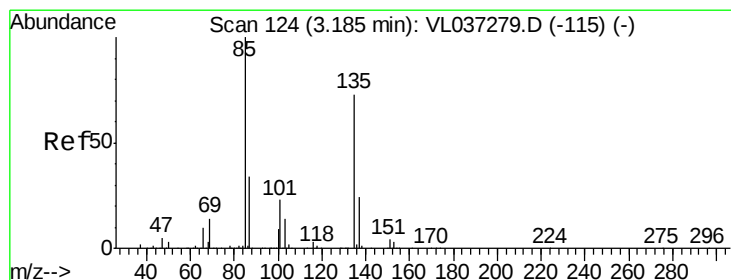
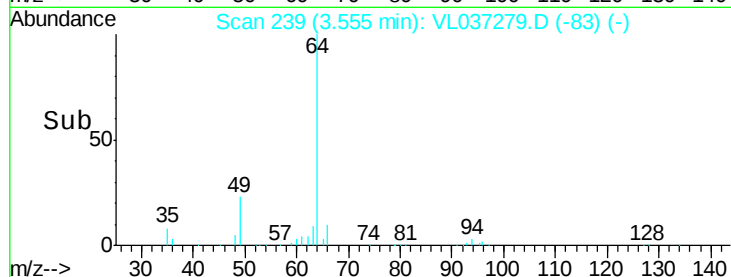
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100000

50000

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Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.436 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL037279.D

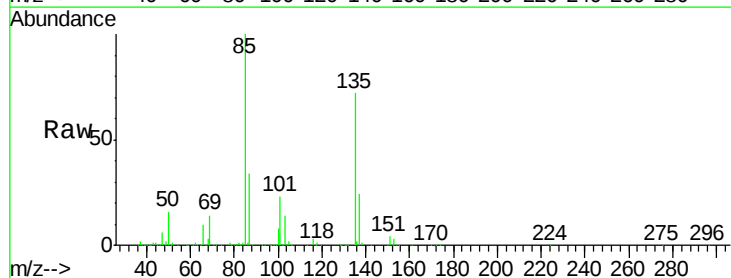
Acq: 27 Jul 2021 2:35

Tgt Ion: 85 Resp: 2338173

Ion Ratio Lower Upper

85 100

135 75.4 60.3 90.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.19

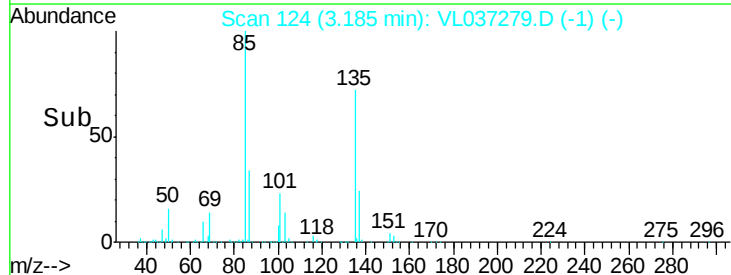
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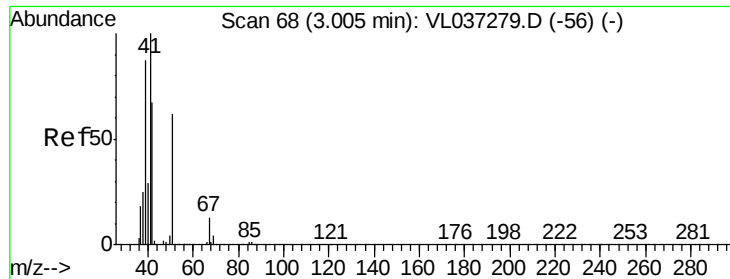
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Time-->





#9

Propene

Concen: 9.257 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 41 Resp: 794140

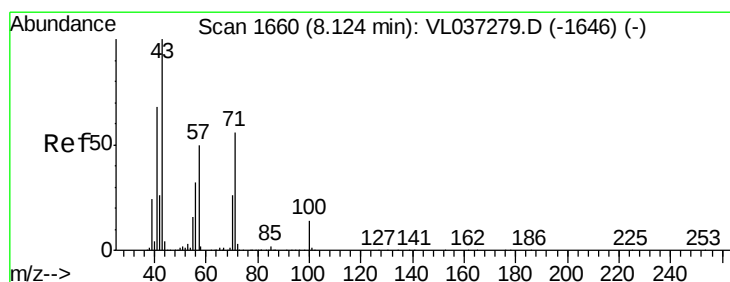
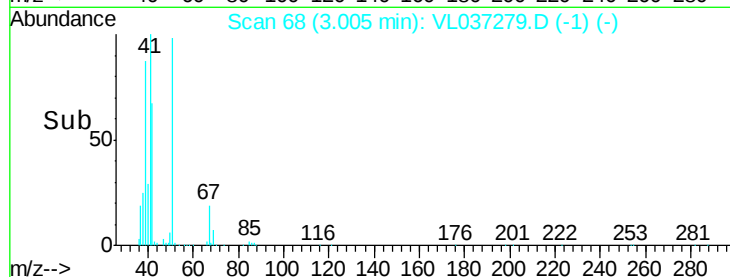
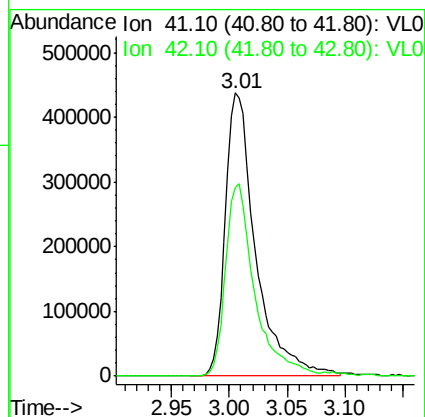
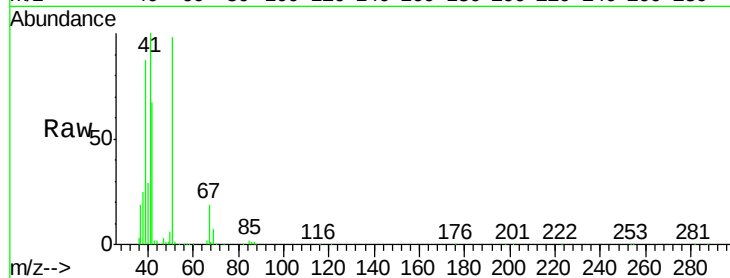
Ion Ratio Lower Upper

41 100

42 66.8 53.4 80.2

Manual Integrations
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#10

Heptane

Concen: 9.782 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VL037279.D

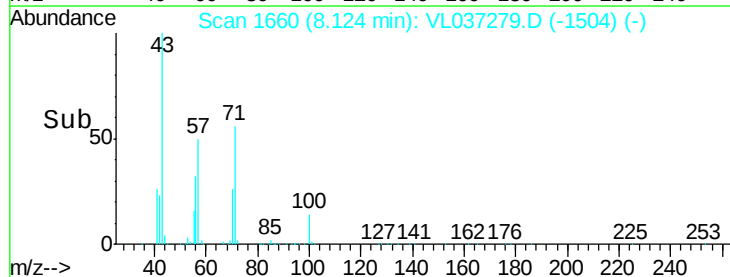
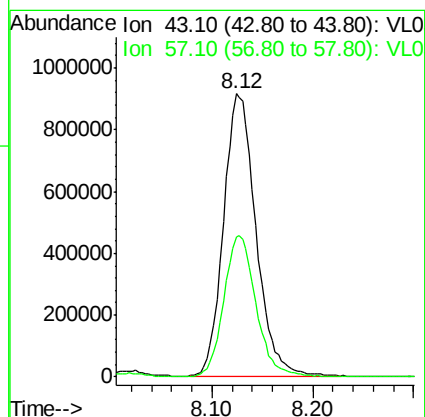
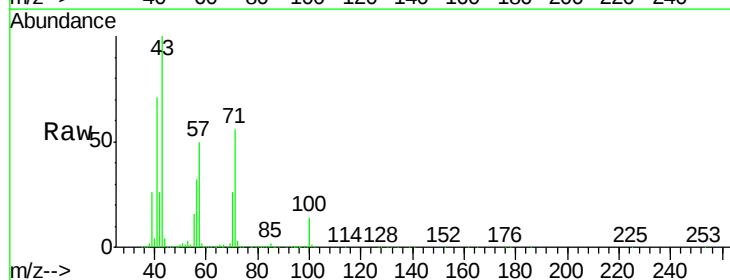
Acq: 27 Jul 2021 2:35

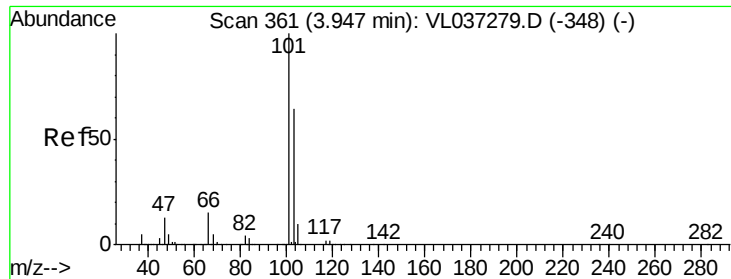
Tgt Ion: 43 Resp: 2039261

Ion Ratio Lower Upper

43 100

57 50.1 40.1 60.1





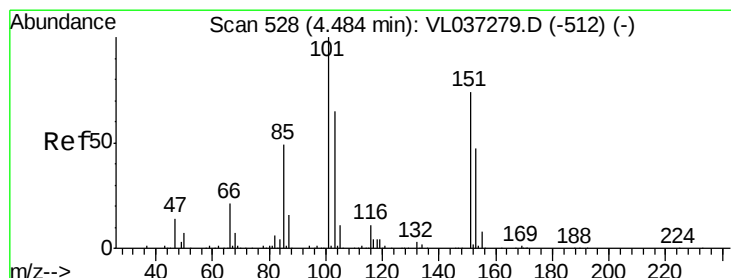
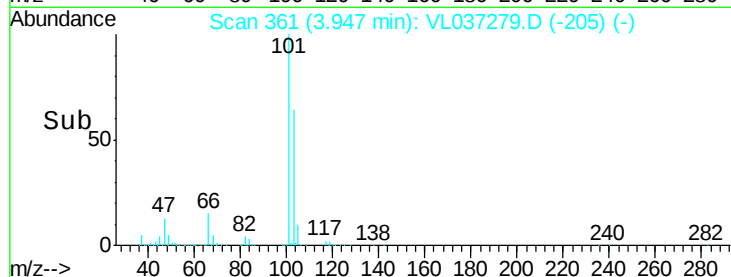
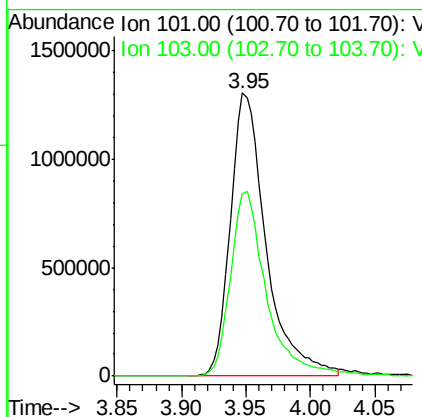
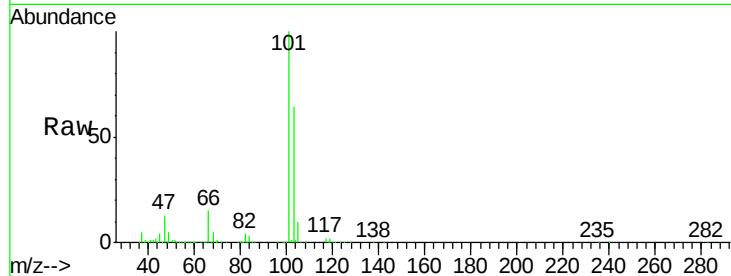
#11
 Trichlorofluoromethane
 Concen: 9.730 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:101 Resp: 2518021
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.4 77.0

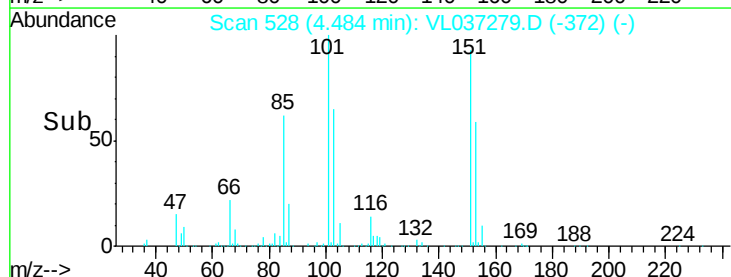
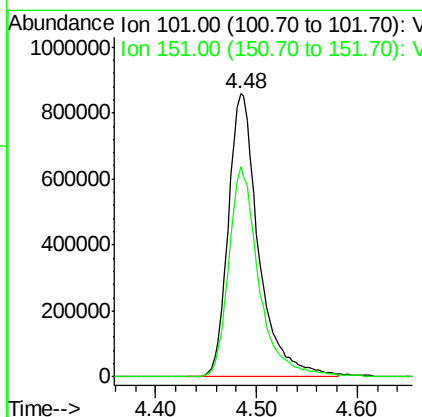
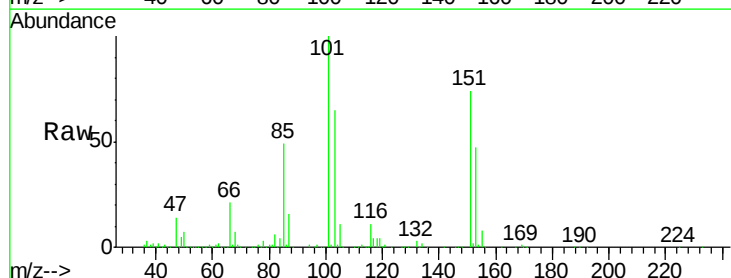
Manual Integrations
 APPROVED

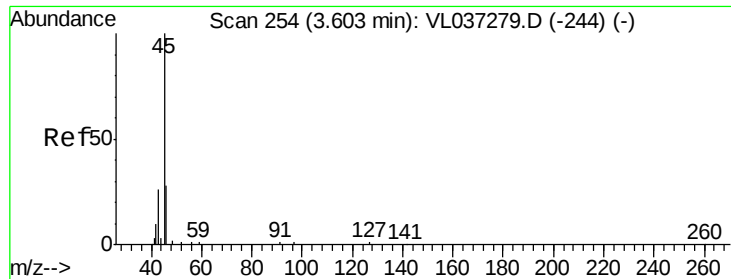
MMDadoda
 8/2/2021 9:03:23 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.873 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

Tgt Ion:101 Resp: 1805504
 Ion Ratio Lower Upper
 101 100
 151 74.1 59.3 88.9





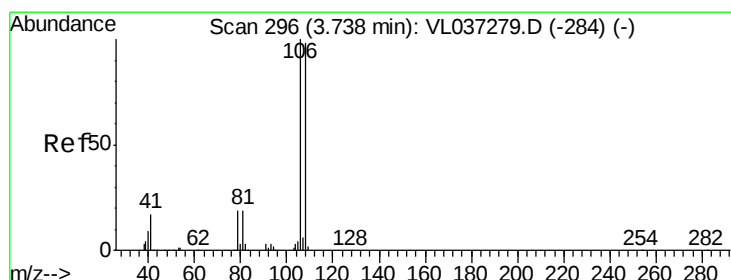
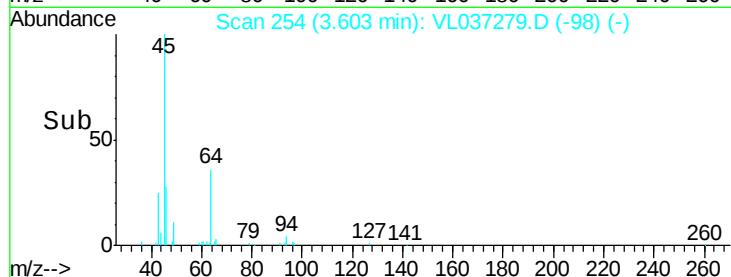
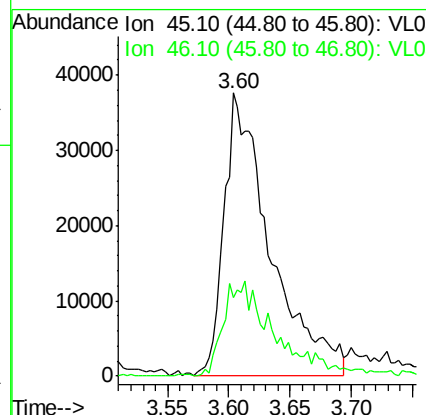
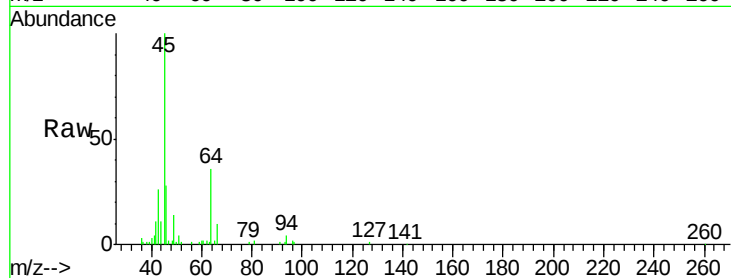
#13
Ethanol
Concen: 7.613 ppbv m
RT: 3.60 min Scan# 254
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.1	60.3#

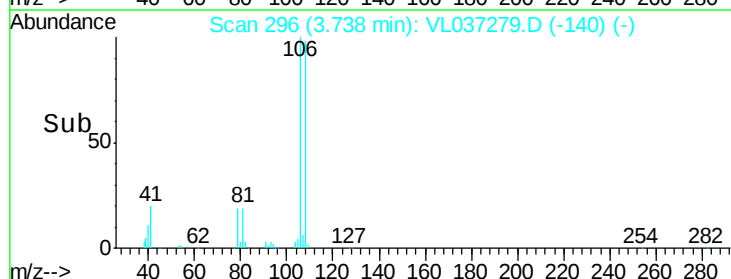
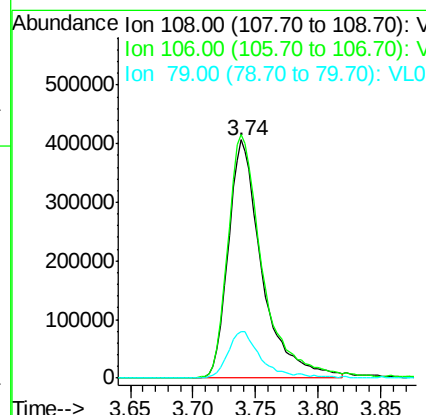
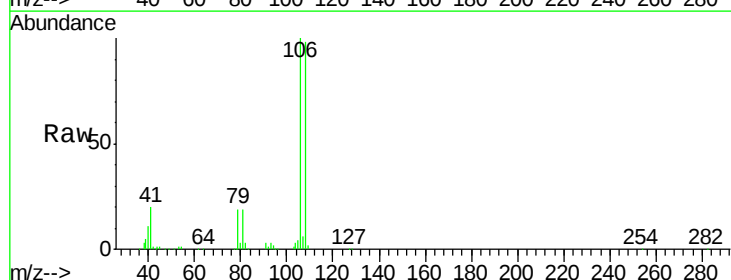
Manual Integrations
APPROVED

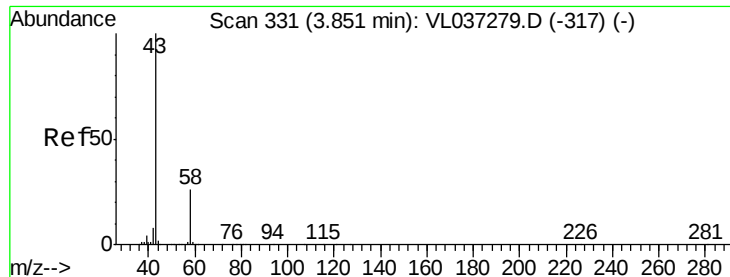
MMDadoda
8/2/2021 9:03:23 AM



#14
Bromoethene
Concen: 9.952 ppbv
RT: 3.74 min Scan# 296
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Tgt Ion	Ratio	Lower	Upper
108	100		
106	107.5	86.0	129.0
79	19.9	16.0	24.0





#15

Acetone

Concen: 8.512 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 1355025

Ion Ratio Lower Upper

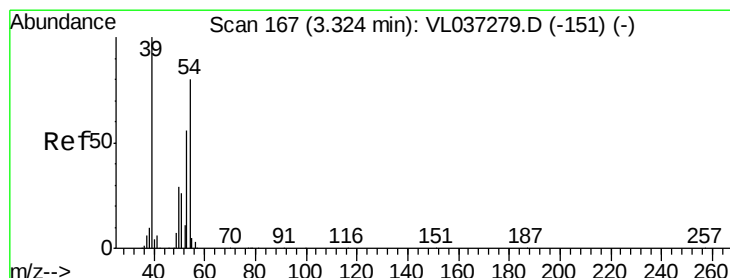
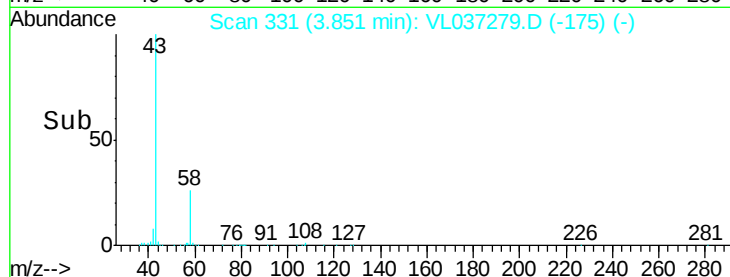
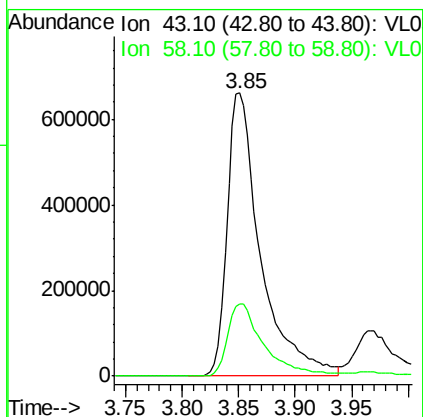
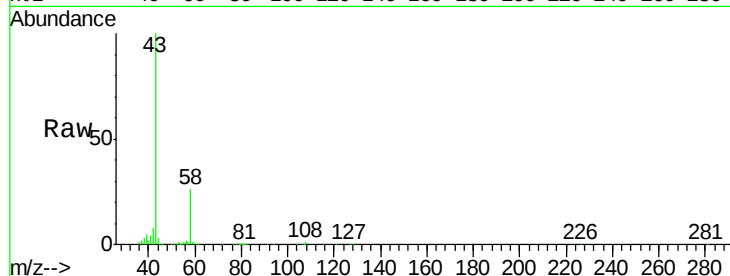
43 100

58 28.0 22.3 33.5

Manual Integrations
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#16

1,3-Butadiene

Concen: 9.902 ppbv

RT: 3.32 min Scan# 167

Delta R.T. 0.00 min

Lab File: VL037279.D

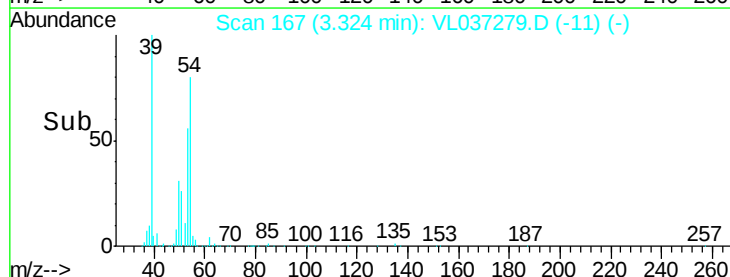
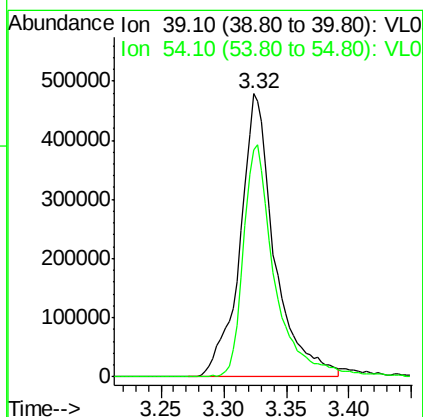
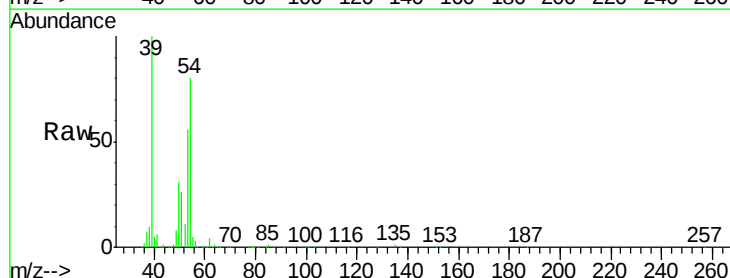
Acq: 27 Jul 2021 2:35

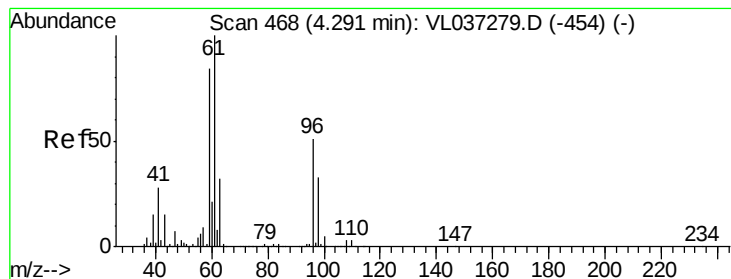
Tgt Ion: 39 Resp: 915441

Ion Ratio Lower Upper

39 100

54 75.6 60.4 90.6





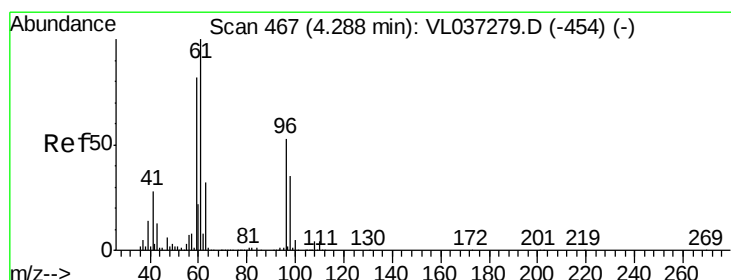
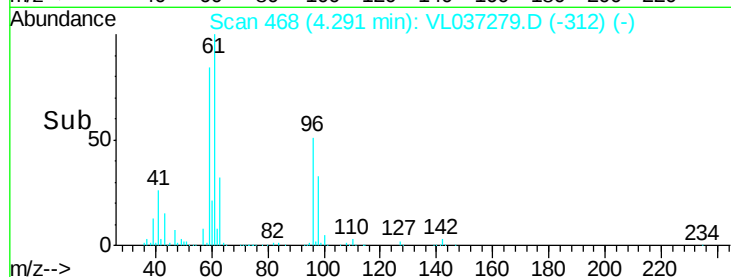
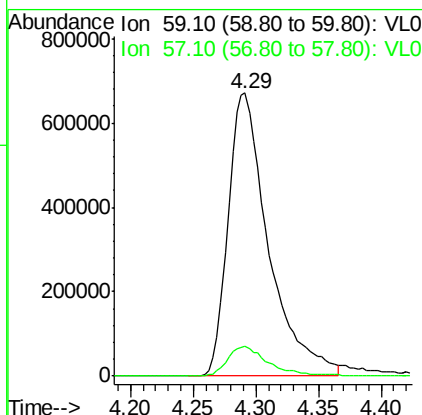
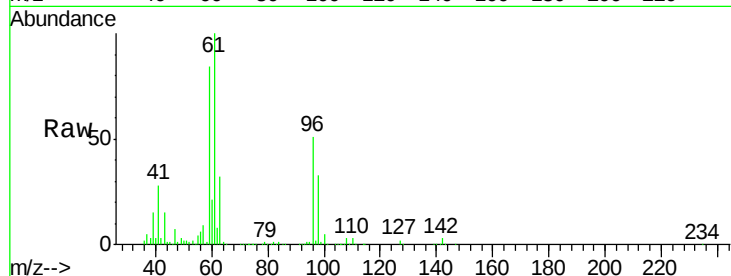
#17
tert-Butyl alcohol
Concen: 10.442 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 59 Resp: 1504256
Ion Ratio Lower Upper
59 100
57 10.8 8.6 13.0

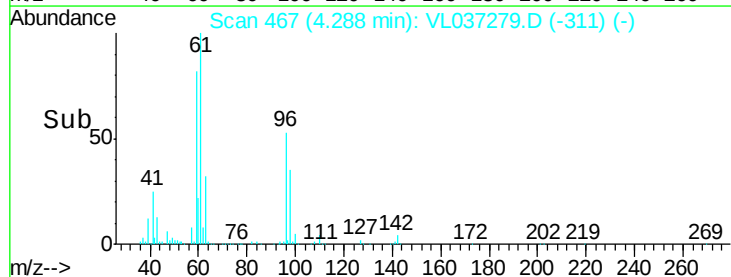
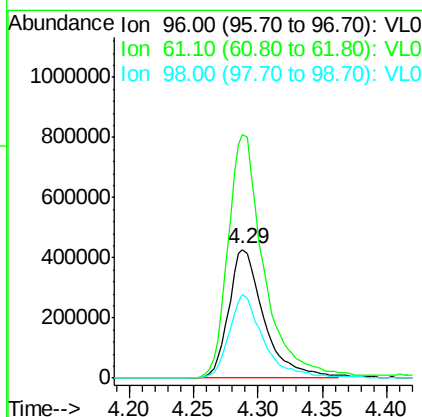
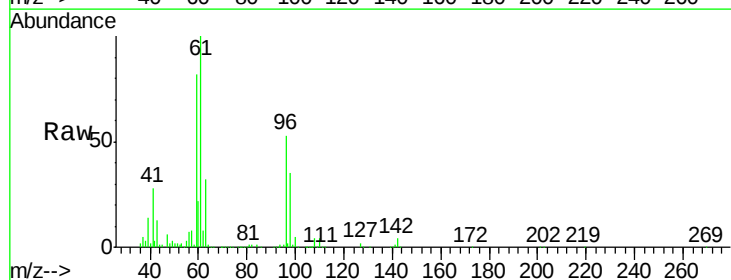
Manual Integrations
APPROVED

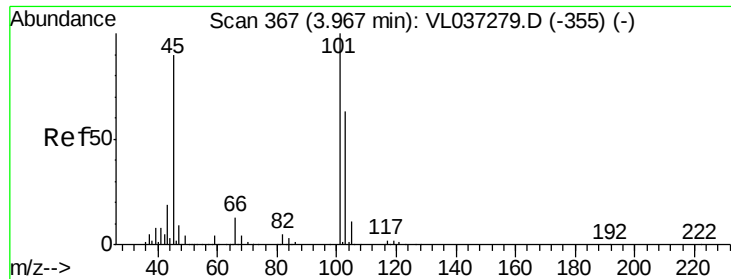
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#18
1,1-Dichloroethene
Concen: 10.062 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Tgt Ion: 96 Resp: 817043
Ion Ratio Lower Upper
96 100
61 189.3 151.4 227.2
98 65.5 52.4 78.6





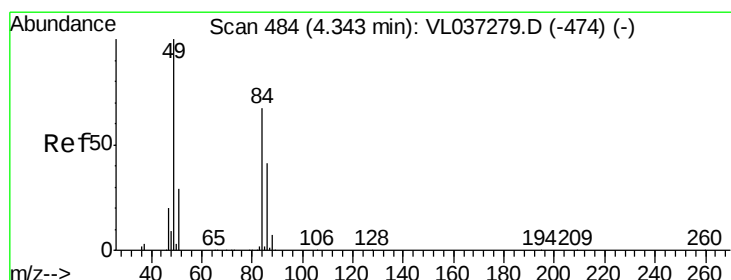
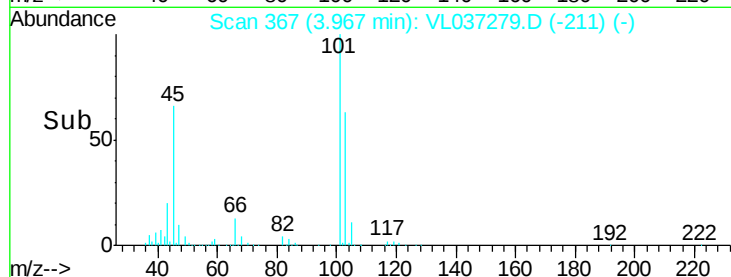
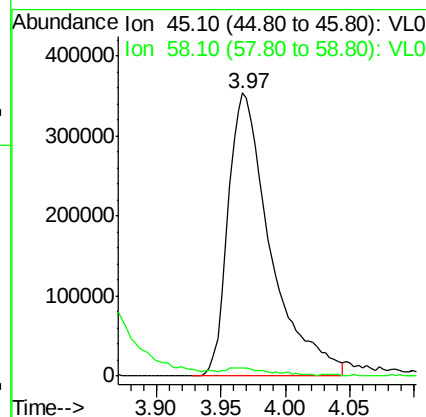
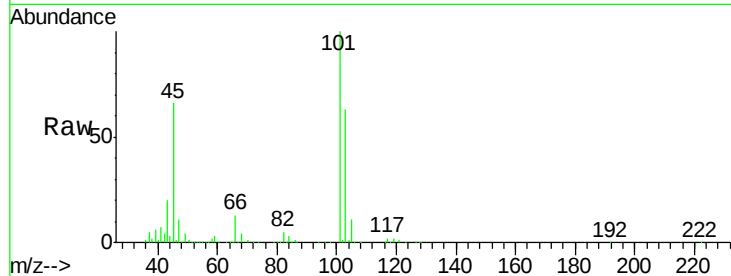
#19
Isopropyl Alcohol
Concen: 8.735 ppbv
RT: 3.97 min Scan# 367
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 45 Resp: 807753
Ion Ratio Lower Upper
45 100
58 3.1 3.0 4.4

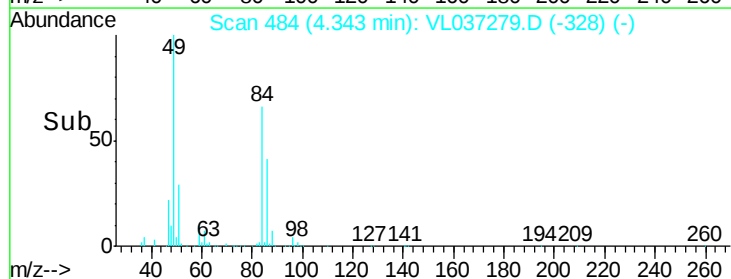
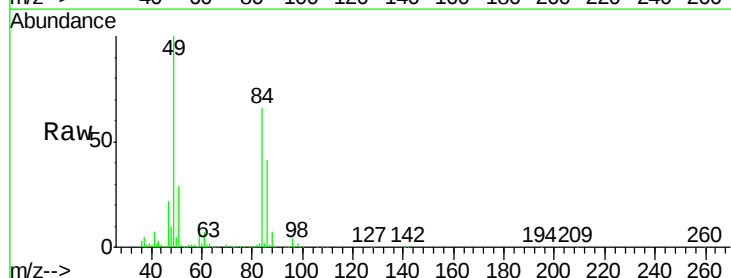
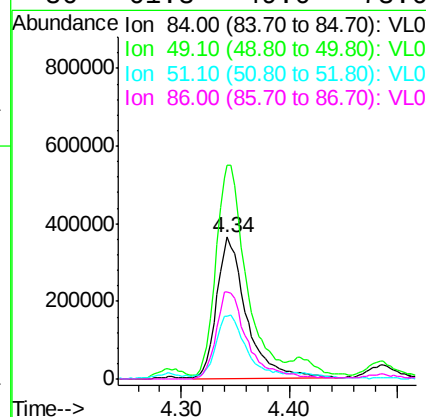
Manual Integrations
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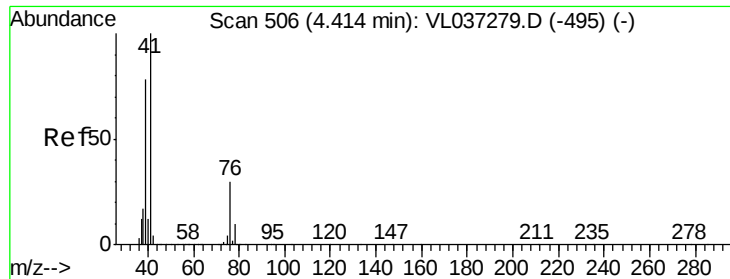
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#20
Methylene Chloride
Concen: 7.512 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Tgt Ion: 84 Resp: 708973
Ion Ratio Lower Upper
84 100
49 148.8 119.0 178.6
51 43.7 35.0 52.4
86 61.3 49.0 73.6





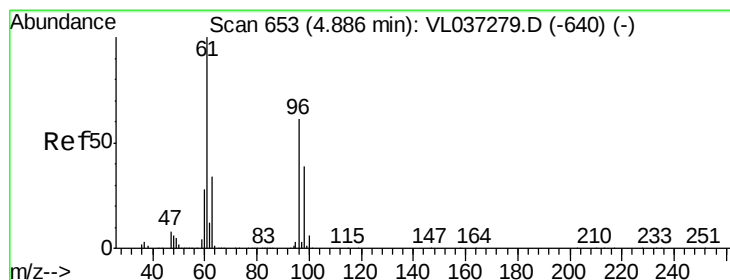
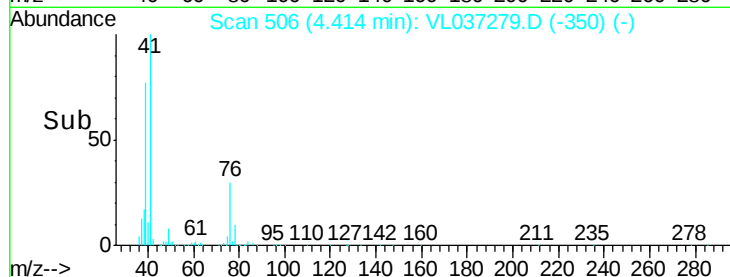
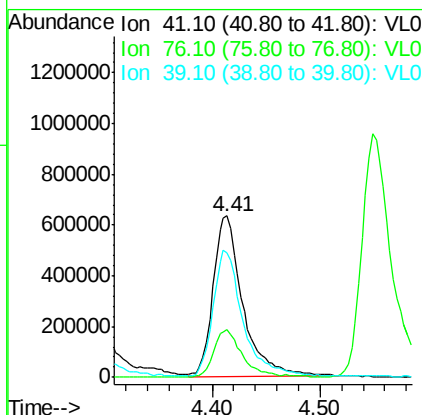
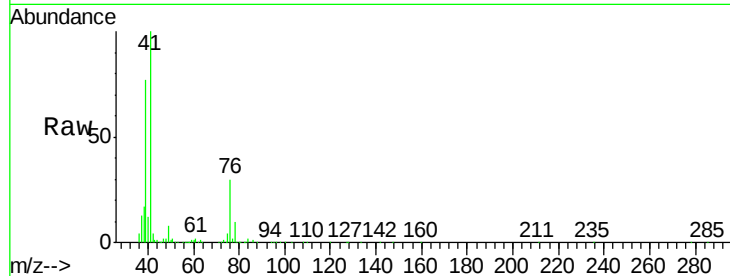
#21
Allvl Chloride
Concen: 10.110 ppbv
RT: 4.41 min Scan# 506
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 41 Resp: 1203747
Ion Ratio Lower Upper
41 100
76 29.5 23.6 35.4
39 79.7 63.8 95.6

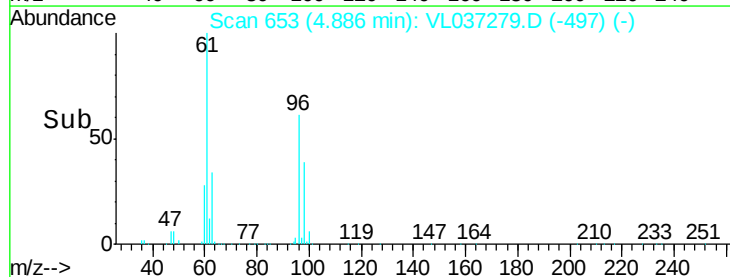
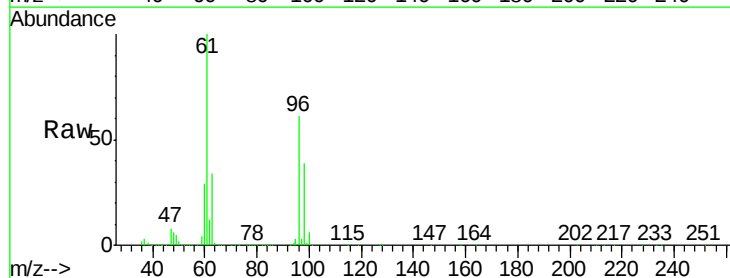
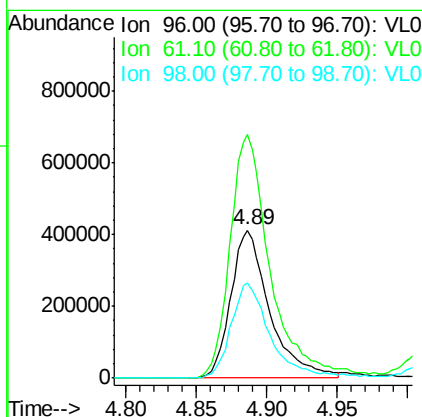
Manual Integrations
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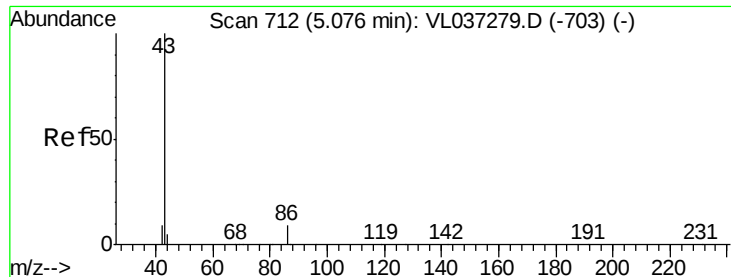
MMDadoda
8/2/2021 9:03:23 AM



#22
trans-1,2-Dichloroethene
Concen: 9.953 ppbv
RT: 4.89 min Scan# 653
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Tgt Ion: 96 Resp: 797278
Ion Ratio Lower Upper
96 100
61 164.7 131.8 197.6
98 64.3 51.4 77.2





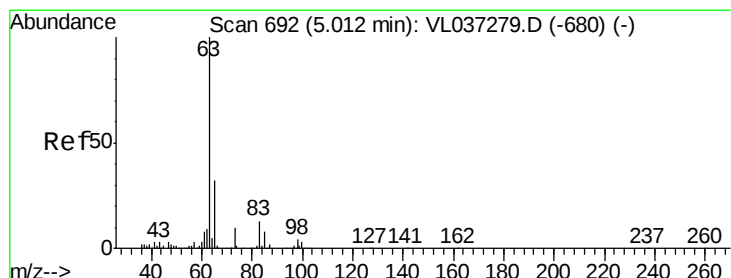
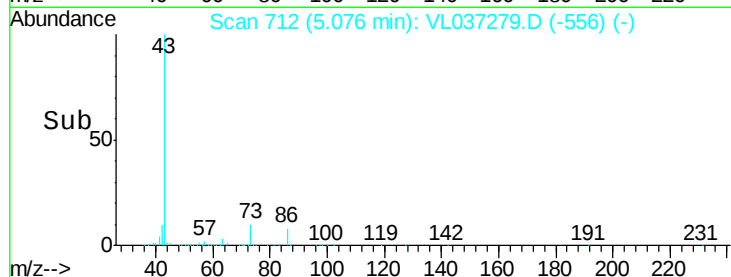
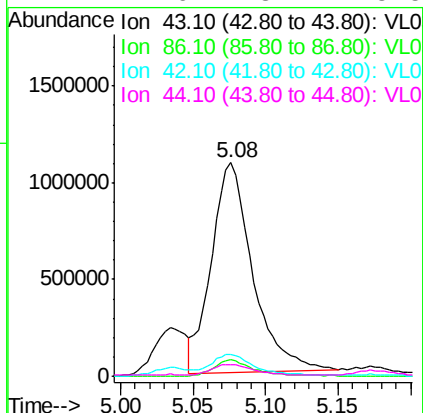
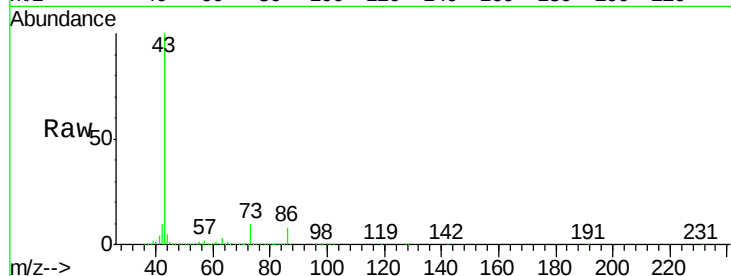
#23
 Vinyl Acetate
 Concen: 9.633 ppbv
 RT: 5.08 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	43	Resp	2152331
Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.2	9.2
42	10.3	8.2	12.4
44	4.6	3.7	5.5

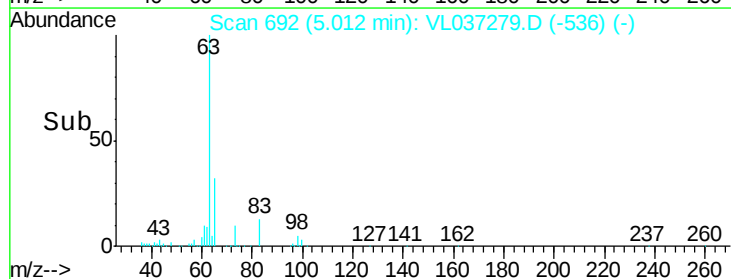
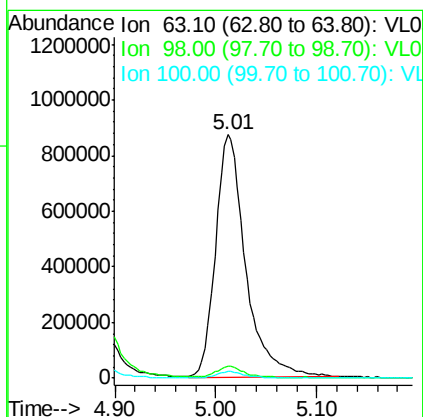
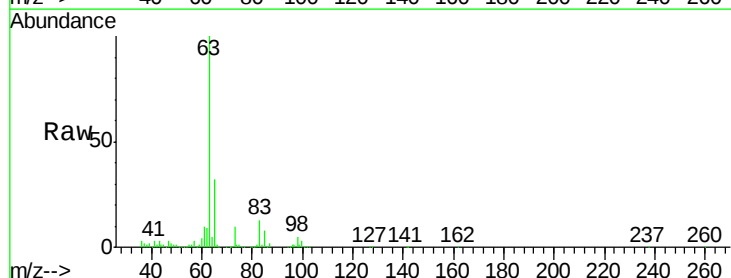
Manual Integrations
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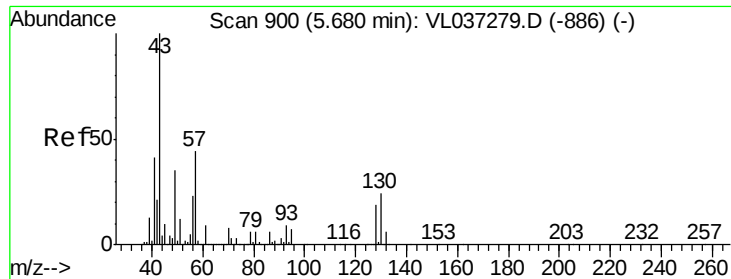
MMDadoda
 8/2/2021 9:03:23 AM



#24
 1,1-Dichloroethane
 Concen: 9.977 ppbv
 RT: 5.01 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

Tgt Ion	63	Resp	1807900
Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.4	7.1
100	2.7	1.4	4.0





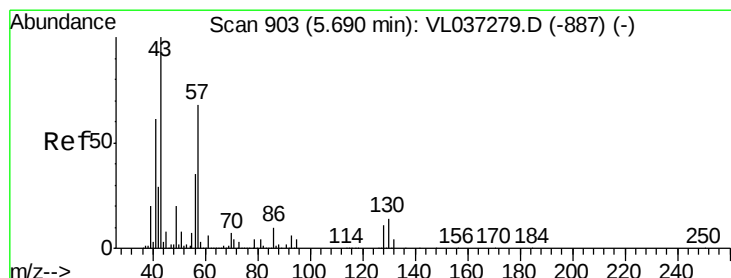
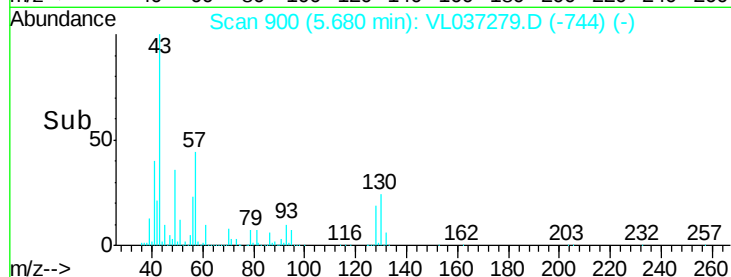
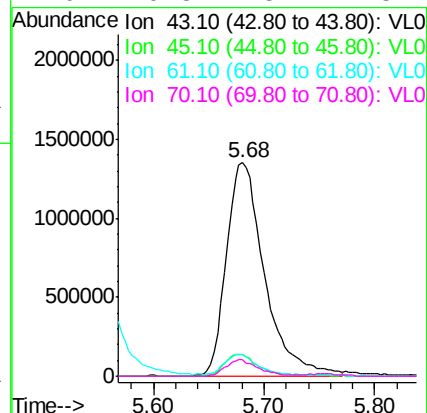
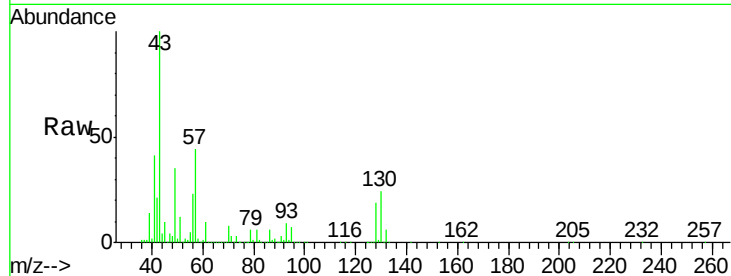
#25
Ethyl Acetate
Concen: 9.520 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.6
61	10.0	8.0	12.0
70	6.8	5.4	8.2

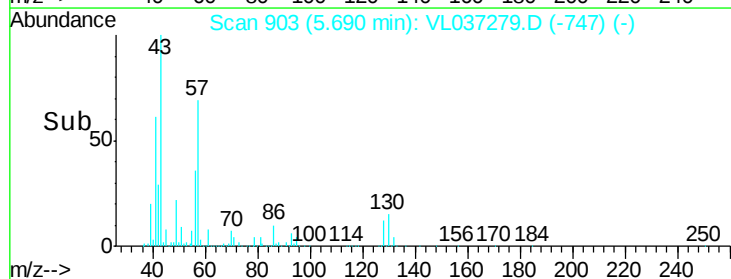
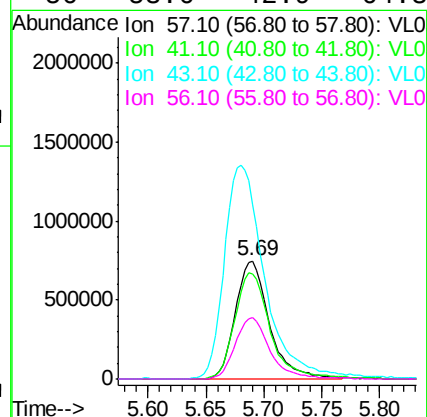
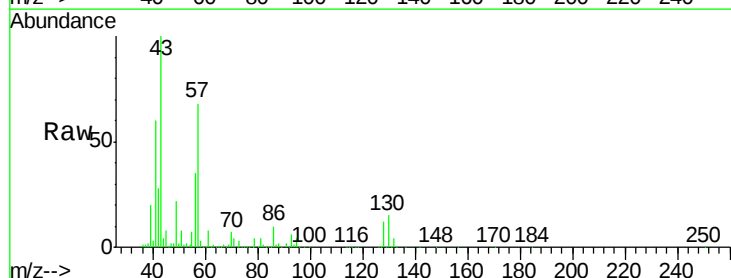
Manual Integrations
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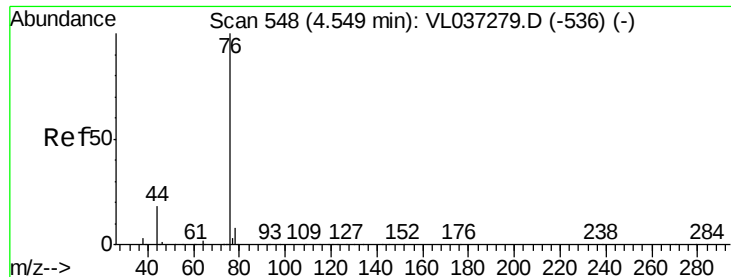
MMDadoda
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#26
Hexane
Concen: 8.919 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Tgt Ion	Ratio	Lower	Upper
57	100		
41	94.6	75.7	113.5
43	215.2	172.2	258.2
56	53.6	42.9	64.3





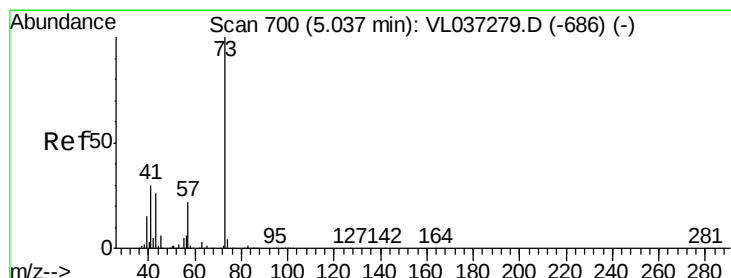
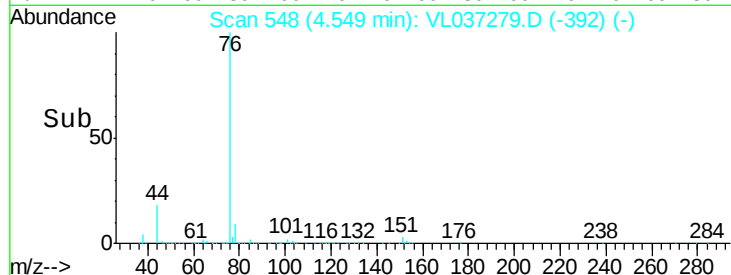
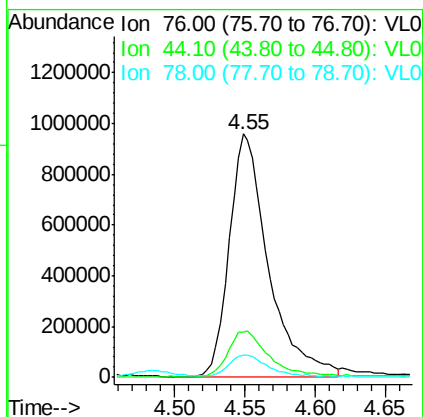
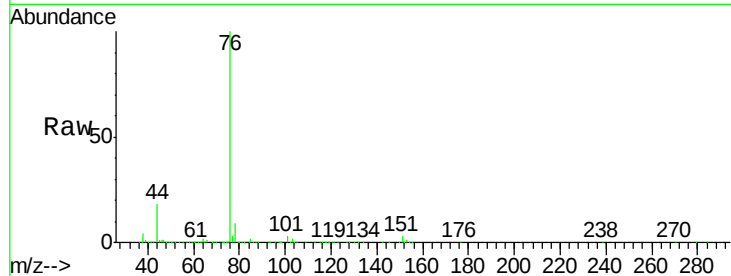
#27
Carbon Disulfide
Concen: 10.999 ppbv
RT: 4.55 min Scan# 548
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
76	100		
44	20.0	15.8	23.8
78	10.1	8.4	12.6

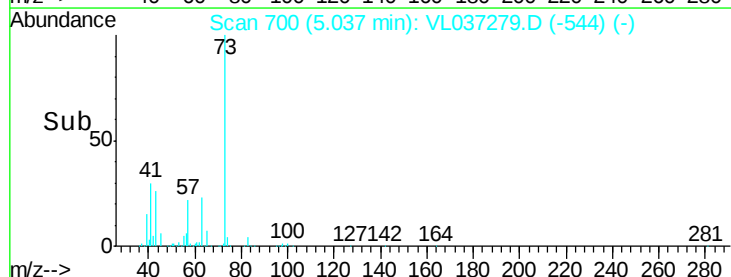
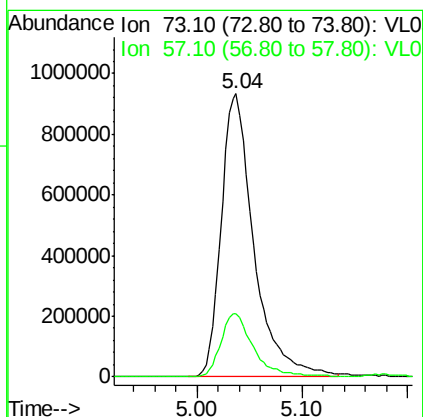
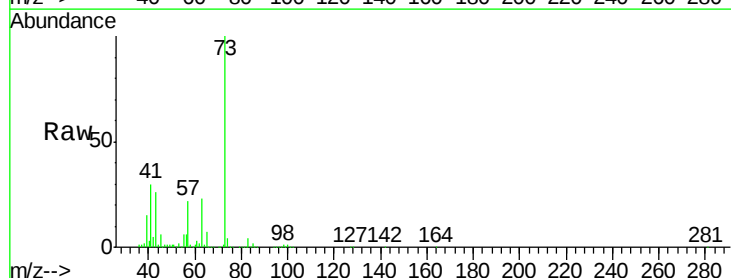
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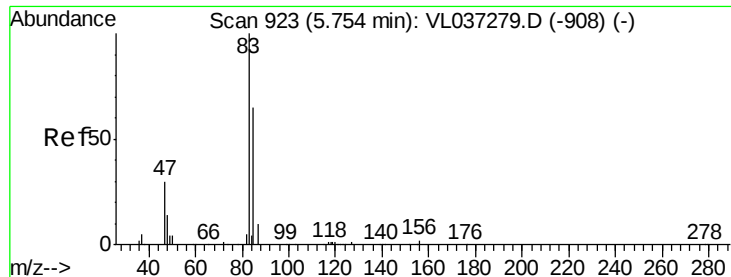
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8/2/2021 9:03:23 AM



#28
Methyl tert-Butyl Ether
Concen: 9.791 ppbv
RT: 5.04 min Scan# 700
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.9	26.9





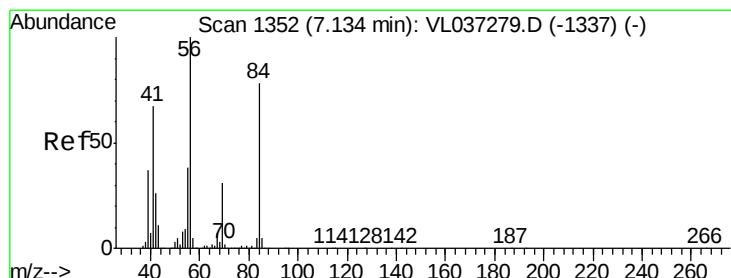
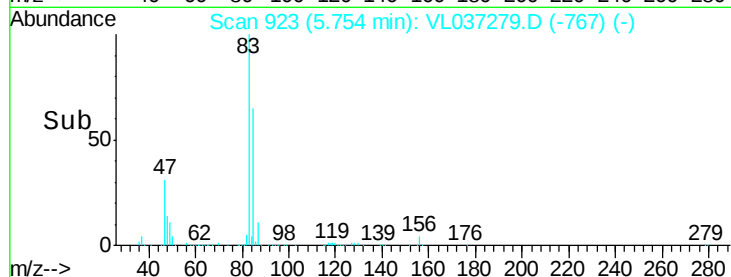
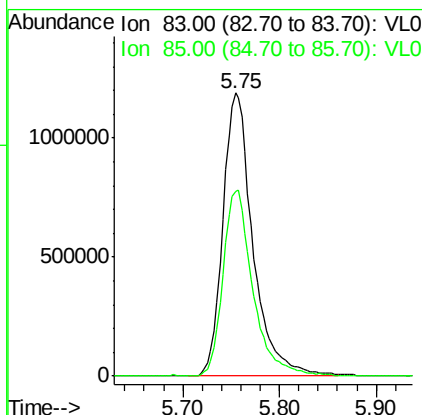
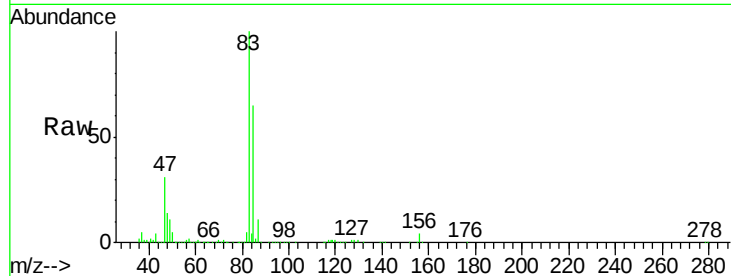
#29
Chloroform
Concen: 9.659 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 2562794
Ion Ratio Lower Upper
83 100
85 65.2 52.2 78.2

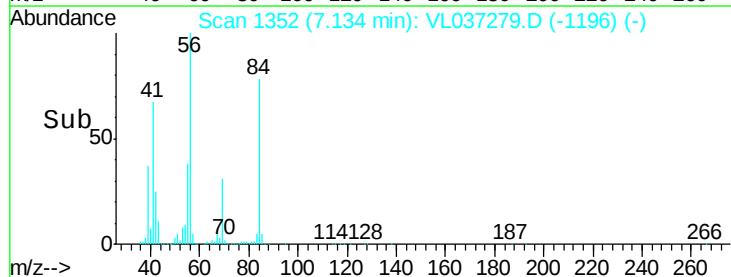
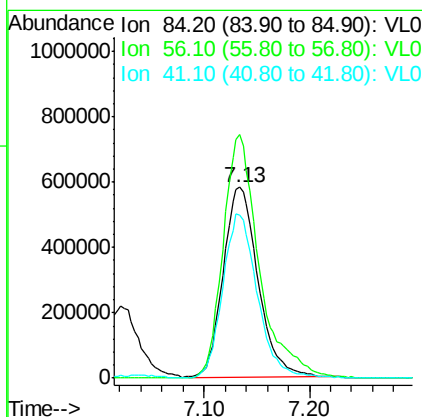
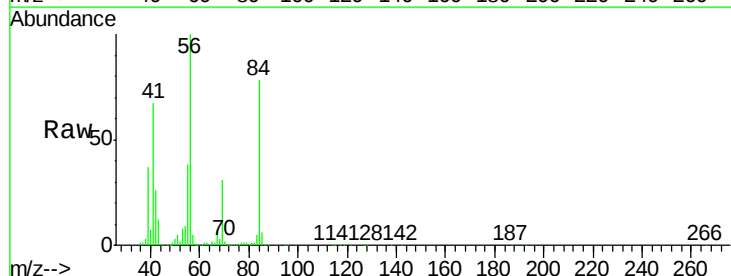
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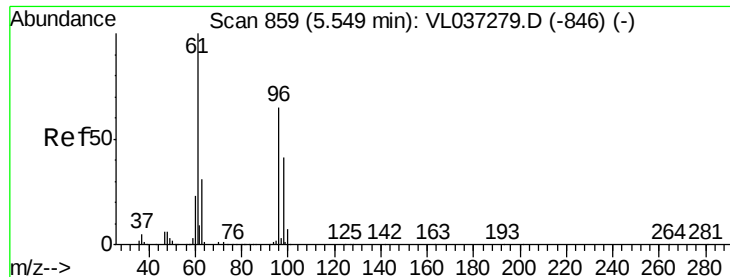
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#30
Cyclohexane
Concen: 9.407 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Tgt Ion: 84 Resp: 1336785
Ion Ratio Lower Upper
84 100
56 132.9 106.3 159.5
41 85.8 68.6 103.0





#31

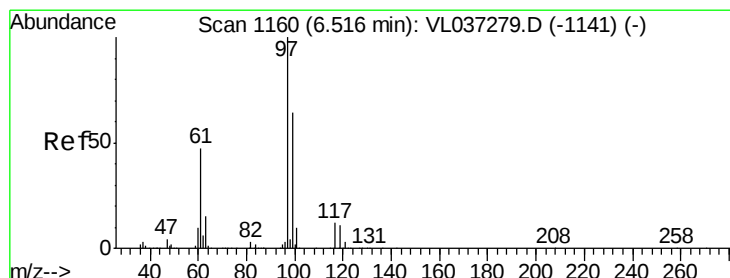
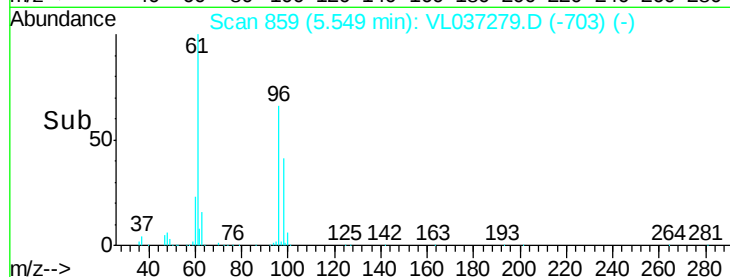
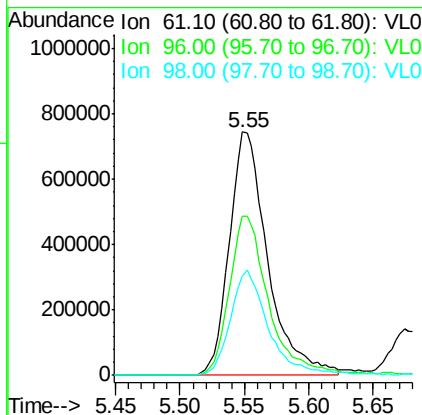
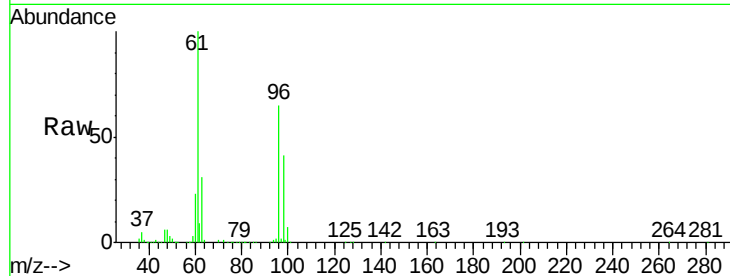
cis-1,2-Dichloroethene
Concen: 9.776 ppbv
RT: 5.55 min Scan# 859
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	65.1	52.1	78.1
98	40.8	32.6	49.0

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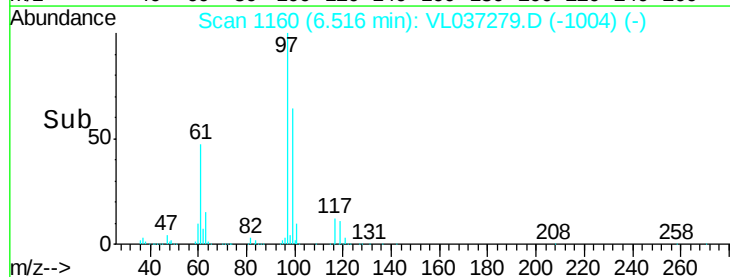
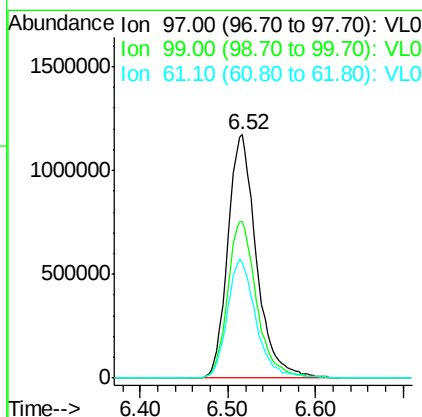
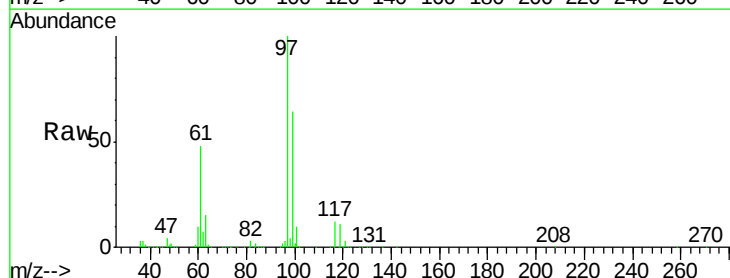
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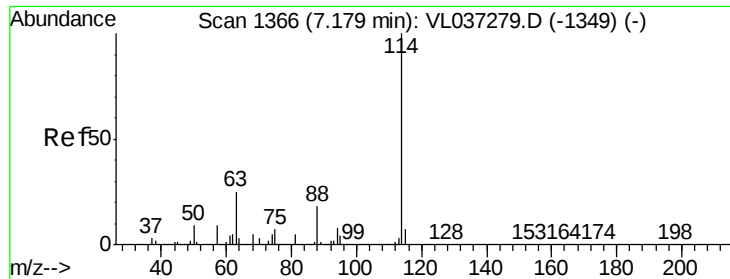


#32

1,1,1-Trichloroethane
Concen: 9.429 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.2	78.2
61	48.4	39.1	58.7





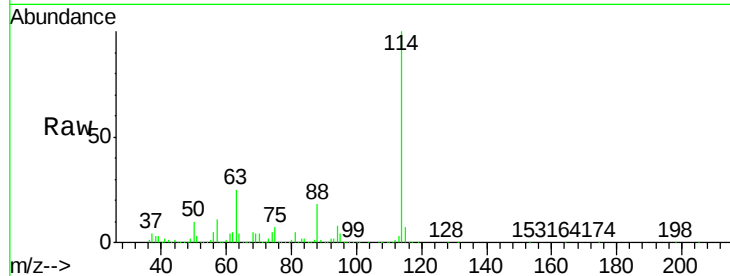
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

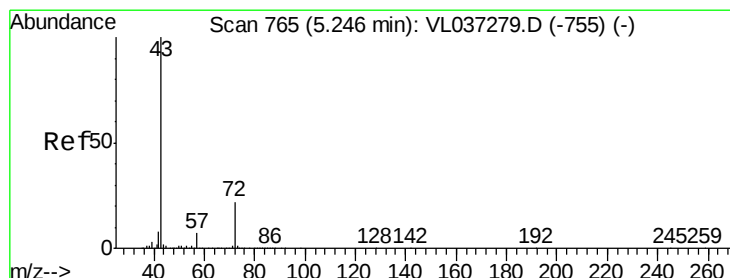
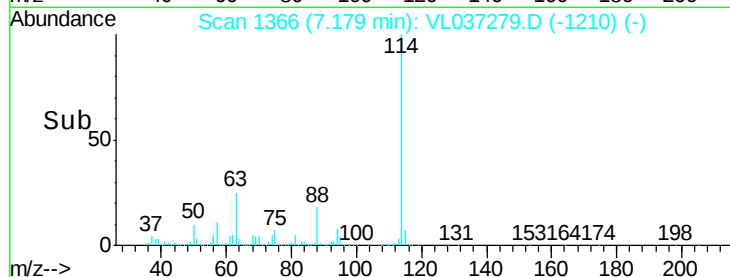
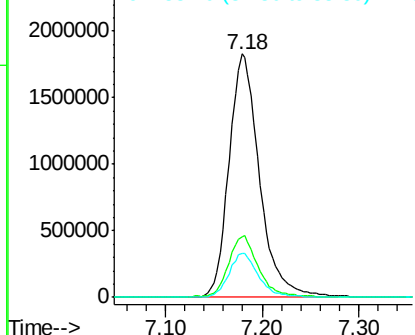
Tot Ion	Ratio	Lower	Upper
114	100		
63	25.2	20.2	30.2
88	17.8	14.2	21.4

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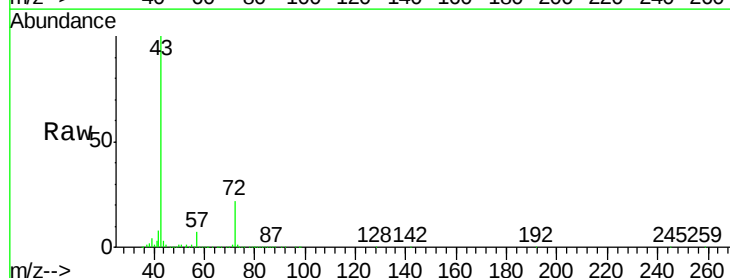


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

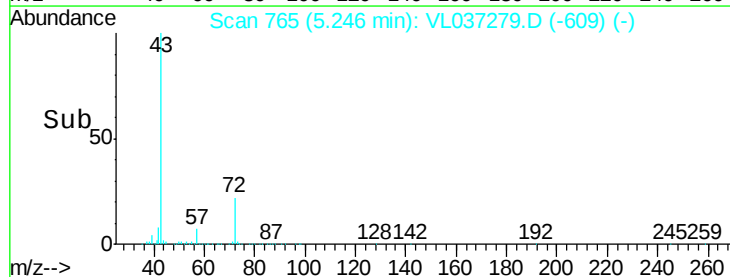
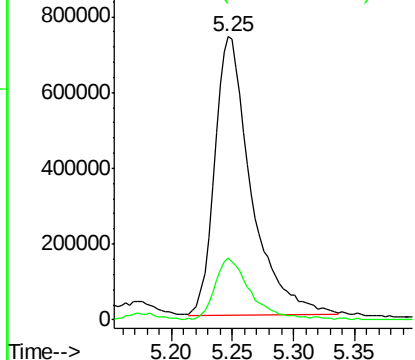


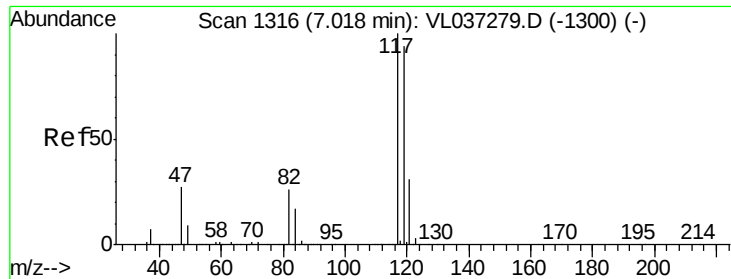
#34
 2-Butanone
 Concen: 9.703 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.9	17.9	26.9



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





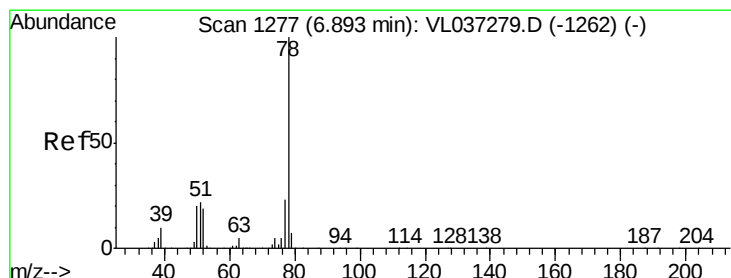
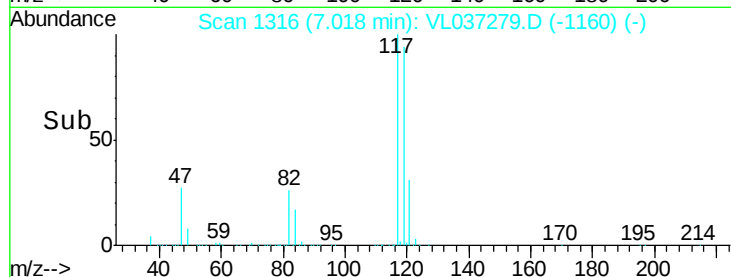
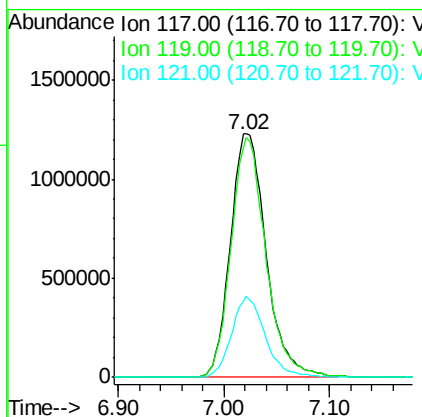
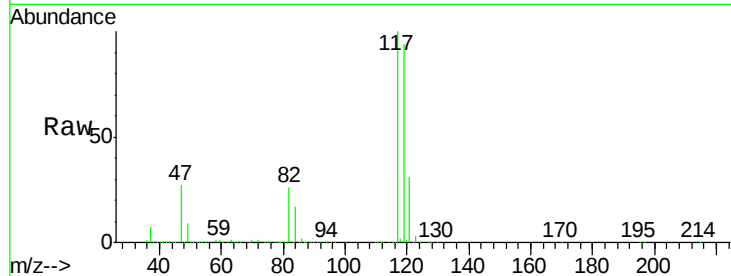
#35
Carbon Tetrachloride
Concen: 10.630 ppbv
RT: 7.02 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:117 Resp: 2888439
Ion Ratio Lower Upper
117 100
119 94.2 75.4 113.0
121 31.0 24.8 37.2

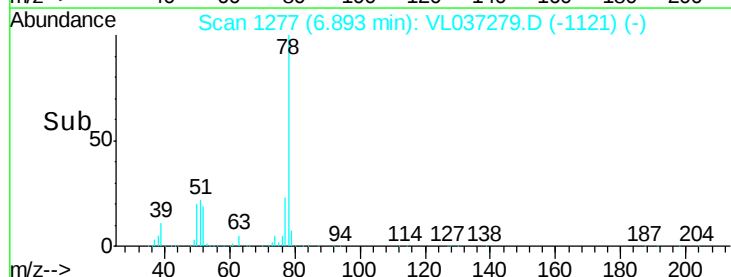
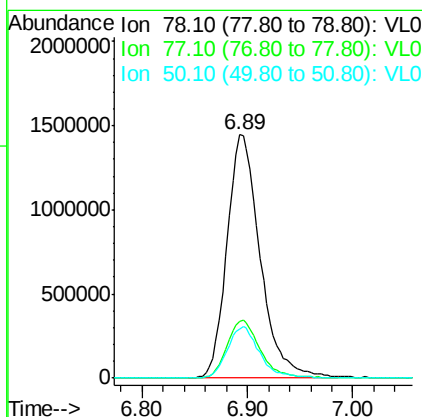
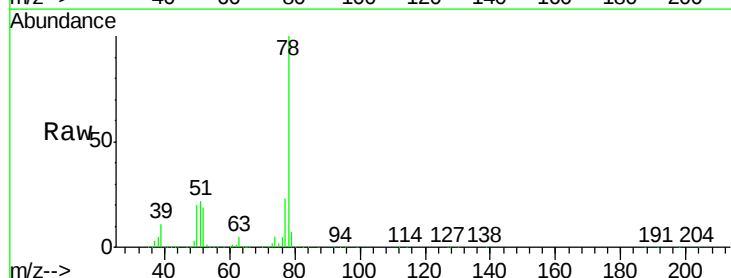
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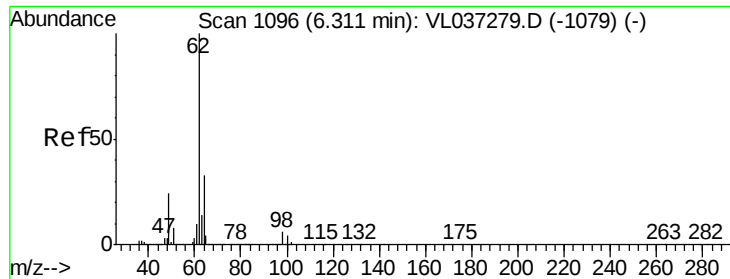
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#36
Benzene
Concen: 9.703 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Tgt Ion: 78 Resp: 3157740
Ion Ratio Lower Upper
78 100
77 23.1 18.5 27.7
50 20.3 16.2 24.4





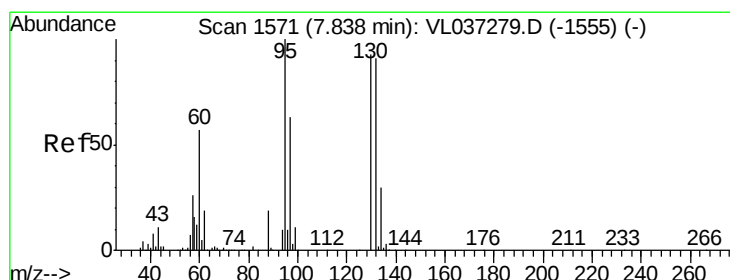
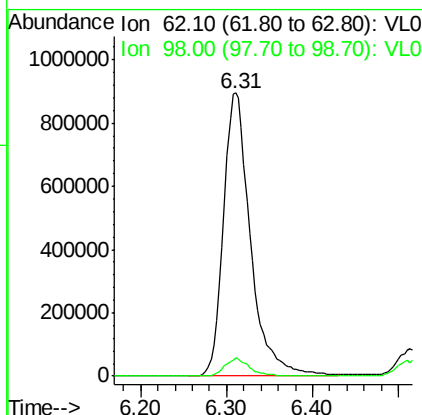
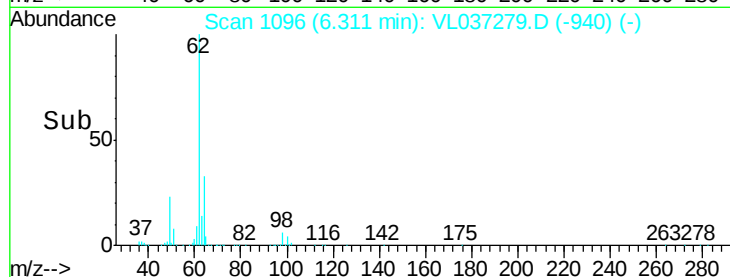
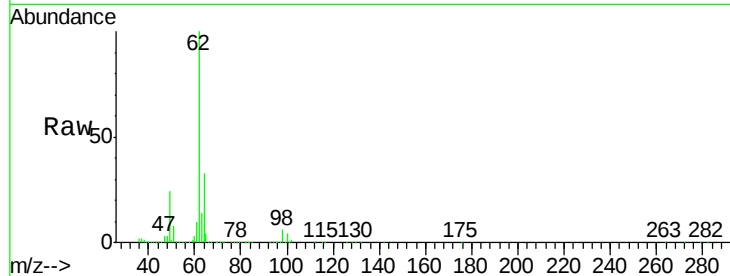
#37
 1,2-Dichloroethane
 Concen: 10.255 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.1	4.9	7.3

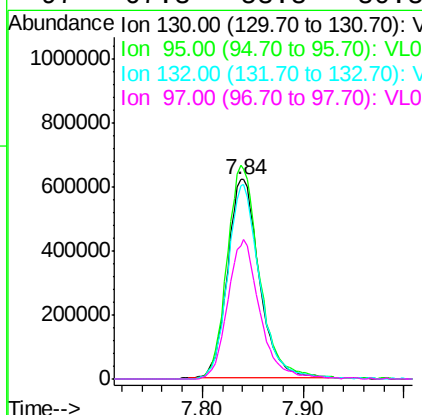
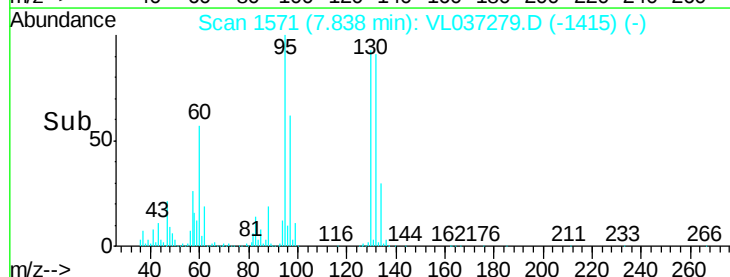
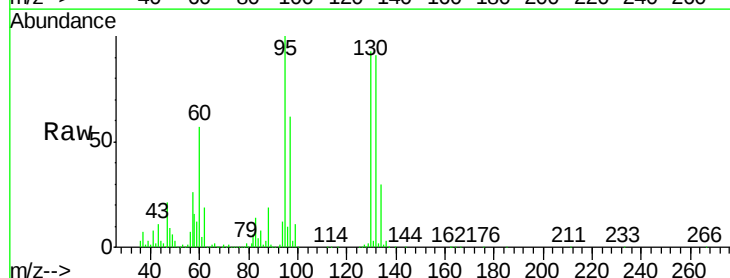
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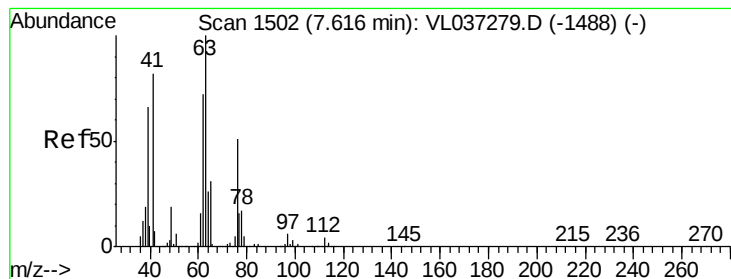
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#38
 Trichloroethene
 Concen: 8.802 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.7	86.2	129.2
132	97.5	78.0	117.0
97	67.3	53.8	80.8





#39

1,2-Dichloropropane

Concen: 10.038 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 63 Resp: 1213707

Ion Ratio Lower Upper

63 100

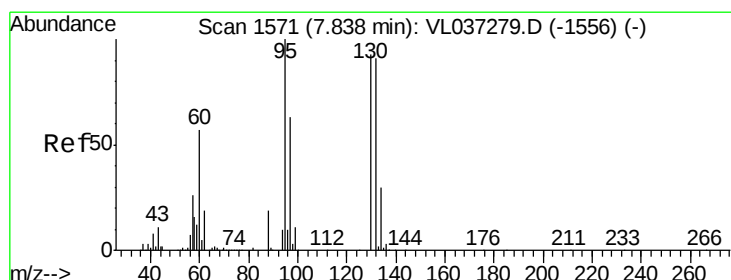
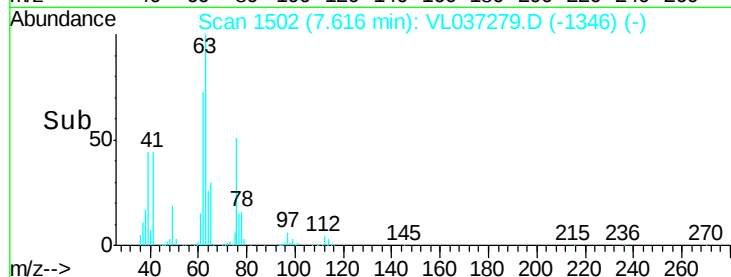
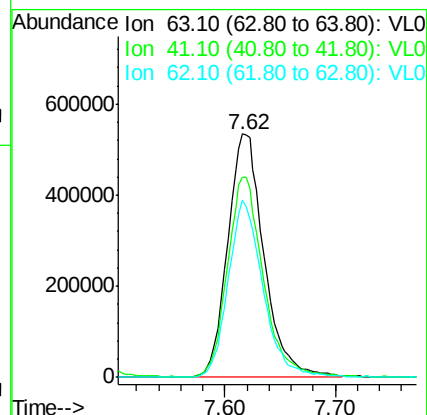
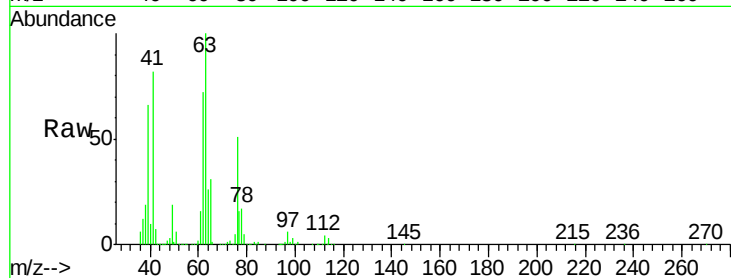
41 82.0 65.6 98.4

62 72.4 57.9 86.9

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#40

1,4-Dioxane

Concen: 9.614 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Tgt Ion: 88 Resp: 314631

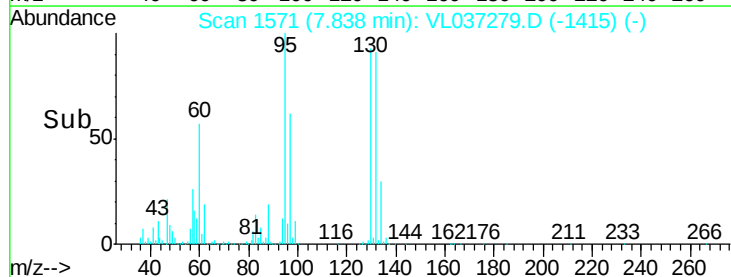
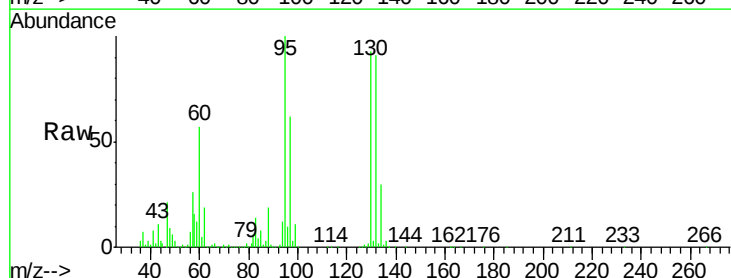
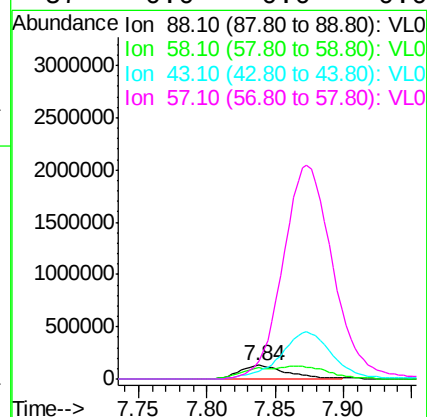
Ion Ratio Lower Upper

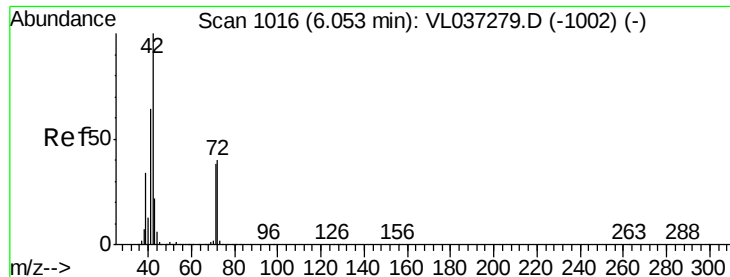
88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 10.074 ppbv

RT: 6.05 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

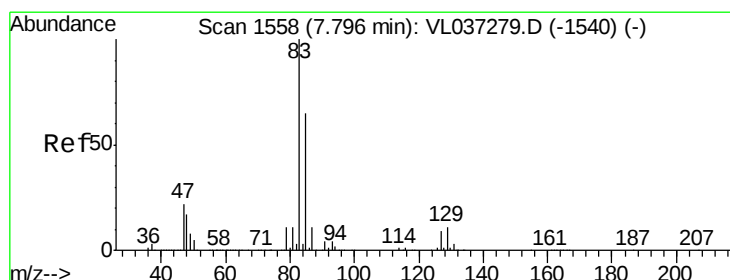
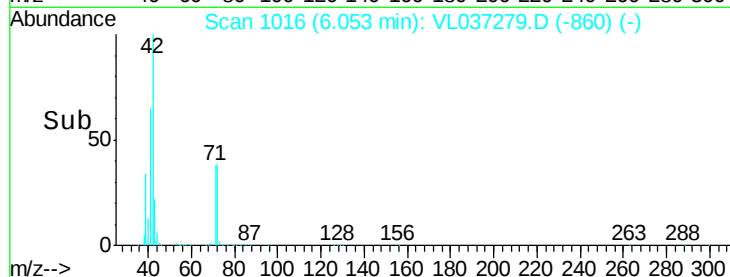
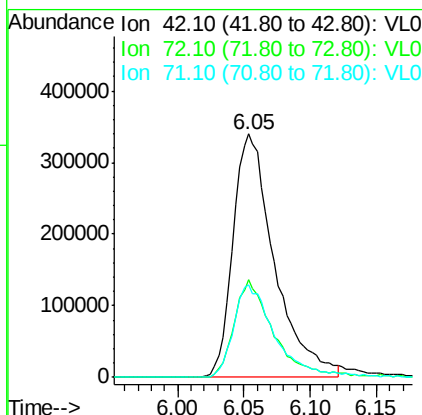
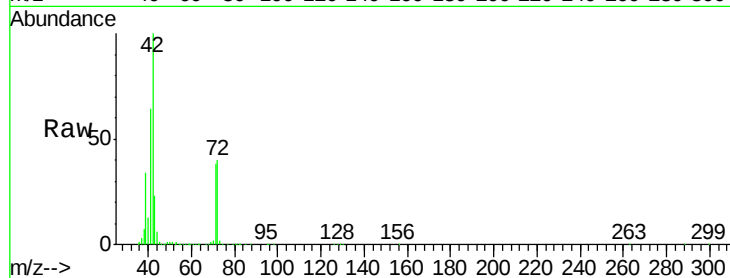
ClientSampleId :

VSTDICCC010

Tot Ion:	42	Resp:	735067
Ion Ratio		Lower	Upper
42	100		
72	39.2	31.4	47.0
71	38.8	31.0	46.6

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#42

Bromodichloromethane

Concen: 10.380 ppbv

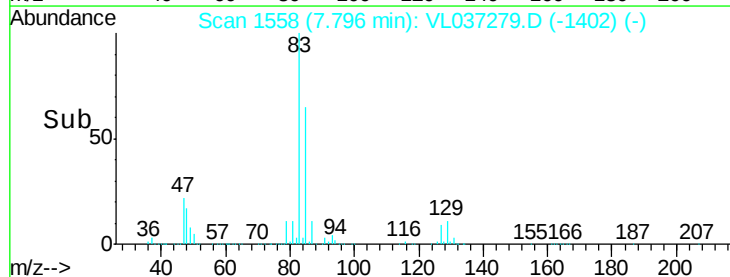
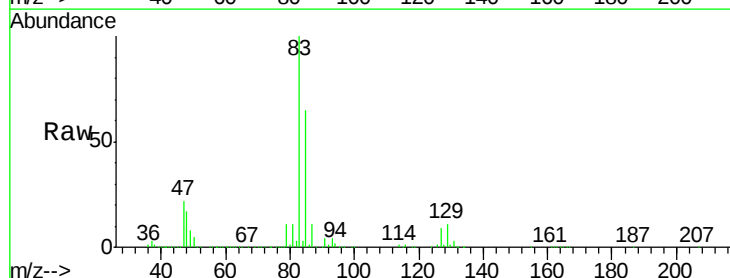
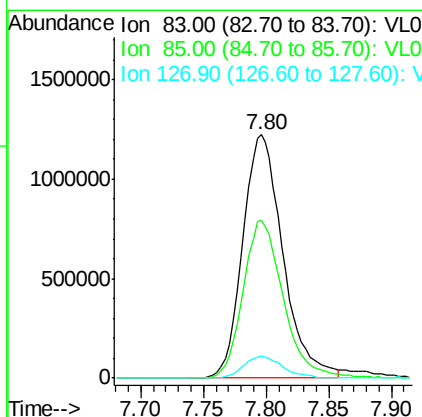
RT: 7.80 min Scan# 1558

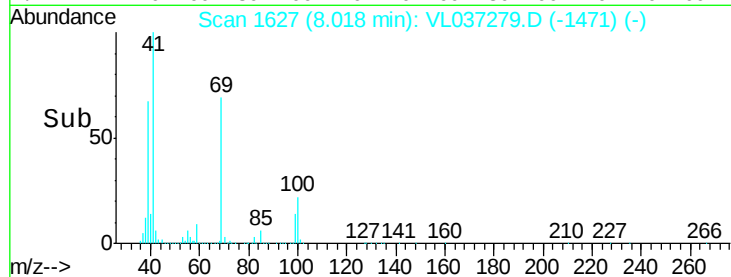
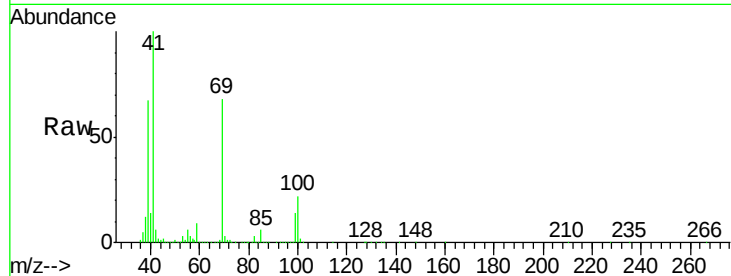
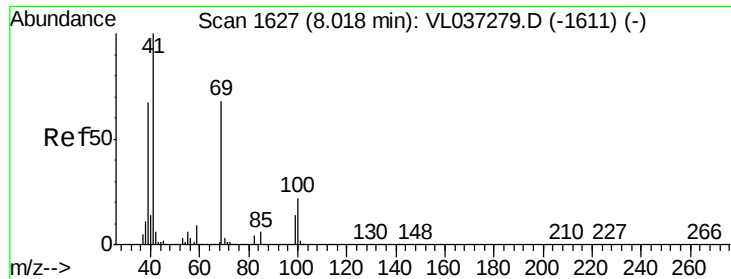
Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Tgt Ion:	83	Resp:	2717057
Ion Ratio		Lower	Upper
83	100		
85	64.6	51.7	77.5
127	9.2	7.4	11.0





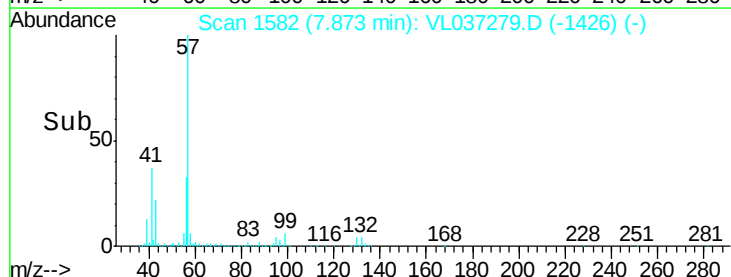
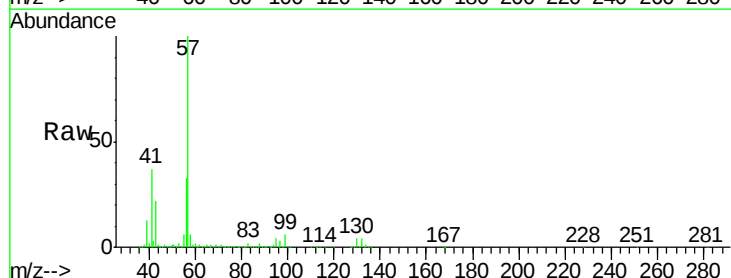
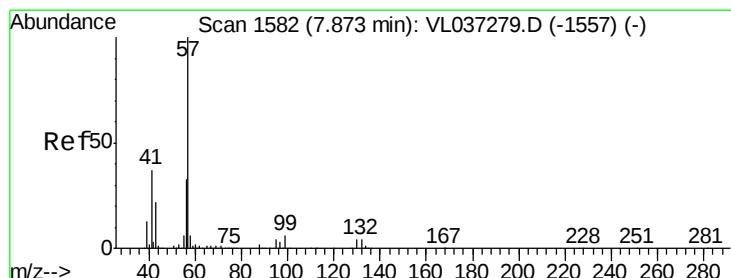
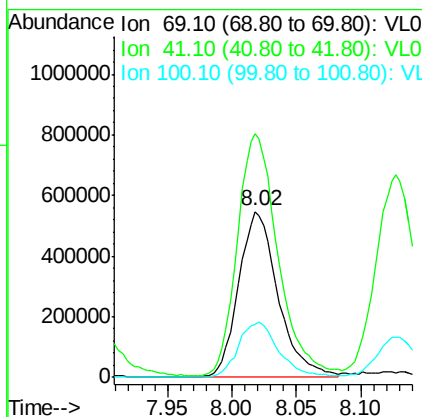
#43
Methvl Methacrylate
Concen: 10.364 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Tot Ion: 69 Resp: 1165878
Ion Ratio Lower Upper
69 100
41 151.9 121.5 182.3
100 34.3 27.4 41.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

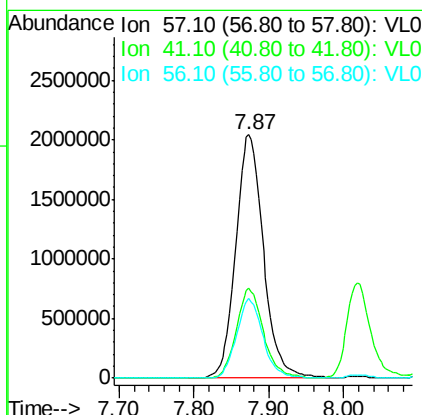
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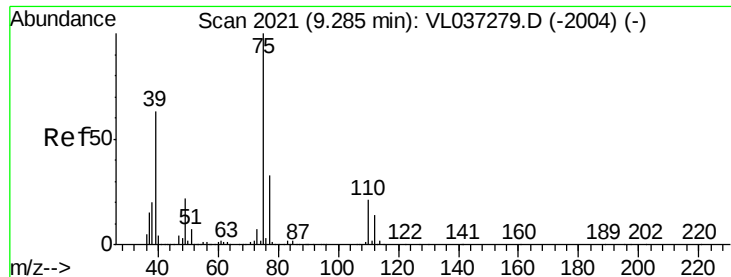
MMDadoda
8/2/2021 9:03:23 AM



#44
2,2,4-Trimethylpentane
Concen: 9.570 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Tgt Ion: 57 Resp: 5260375
Ion Ratio Lower Upper
57 100
41 36.1 28.9 43.3
56 31.4 25.1 37.7





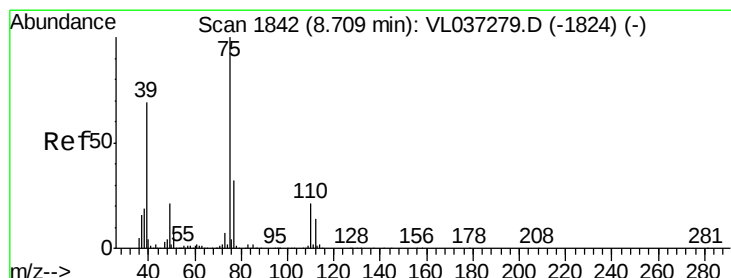
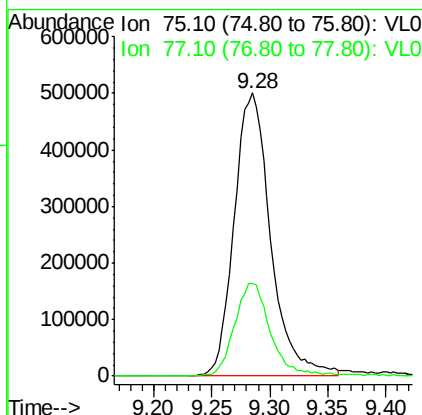
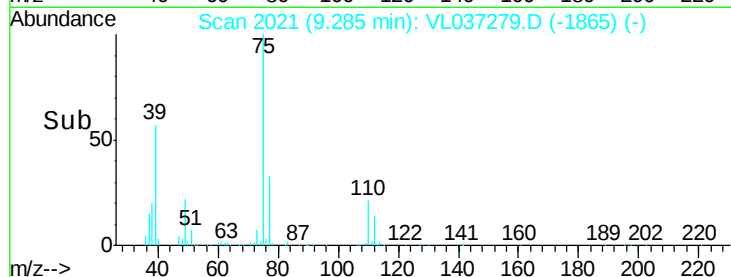
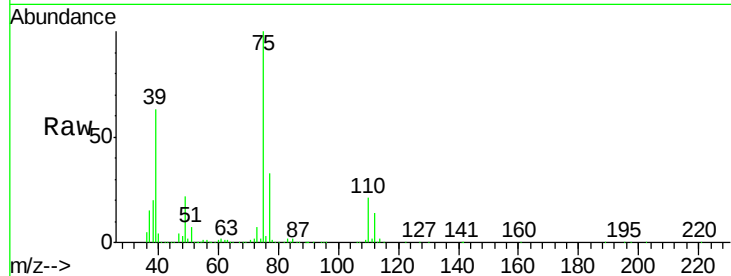
#45
t-1,3-Dichloropropene
Concen: 11.214 ppbv
RT: 9.28 min Scan# 2021
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 75 Resp: 1088001
Ion Ratio Lower Upper
75 100
77 32.8 26.2 39.4

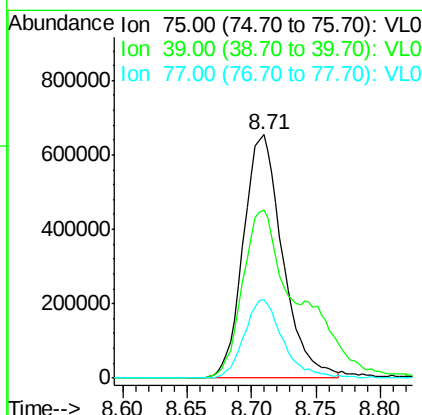
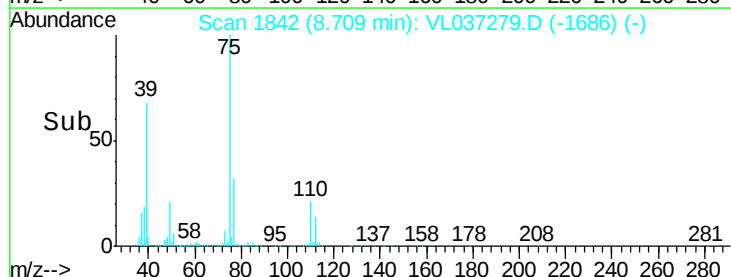
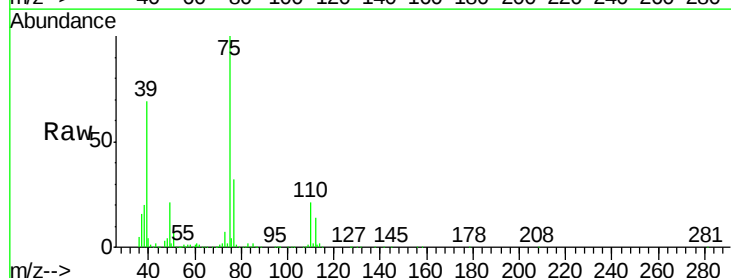
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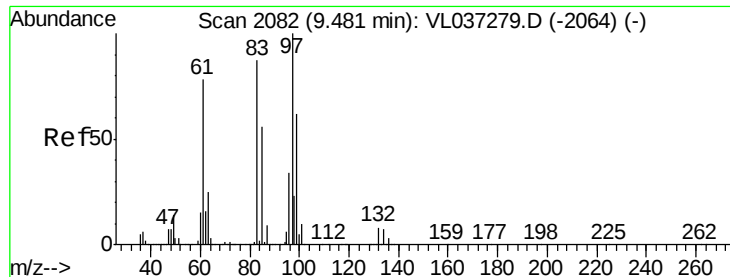
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 10.417 ppbv
RT: 8.71 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Tgt Ion: 75 Resp: 1387807
Ion Ratio Lower Upper
75 100
39 69.1 55.3 82.9
77 32.1 25.7 38.5





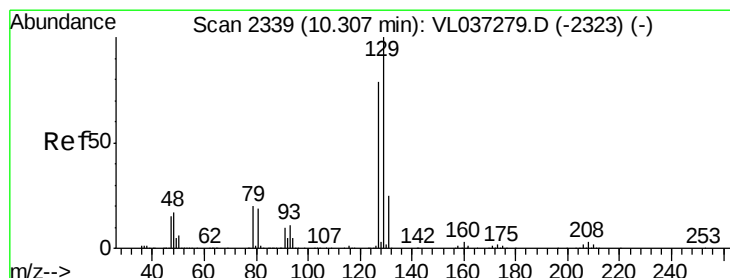
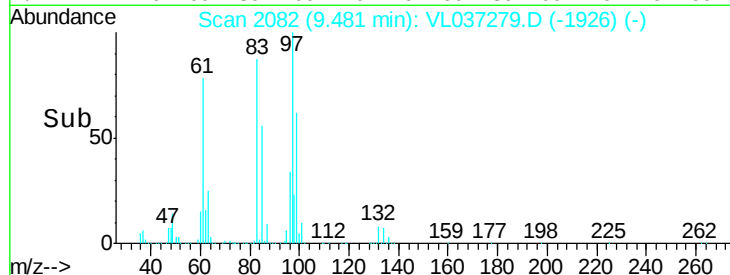
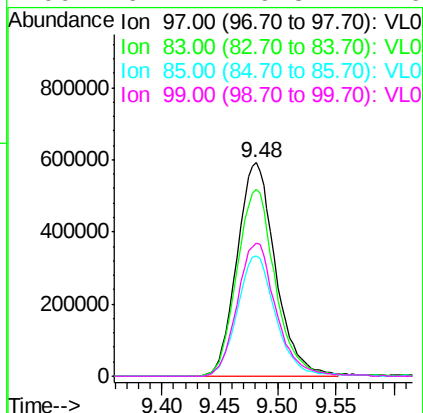
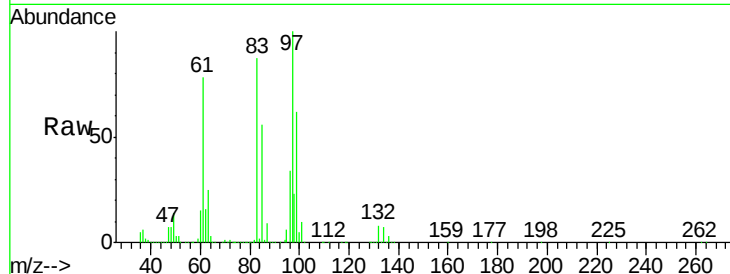
#47
 1,1,2-Trichloroethane
 Concen: 9.821 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.8	104.8
85	56.1	44.9	67.3
99	62.2	49.8	74.6

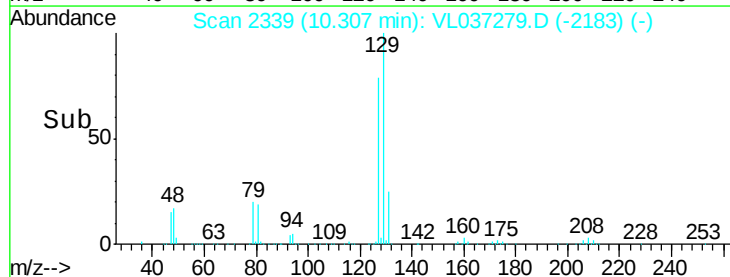
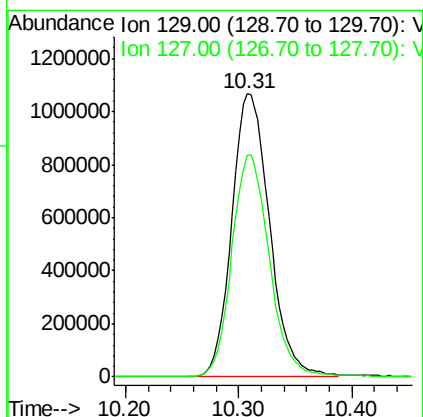
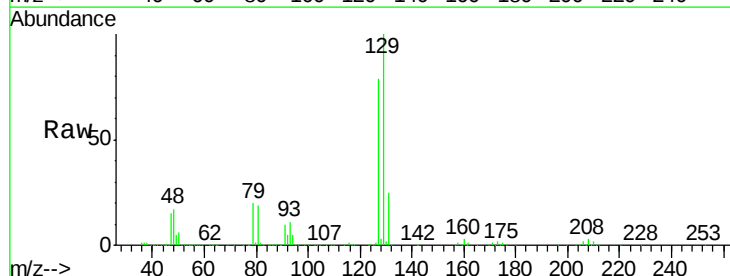
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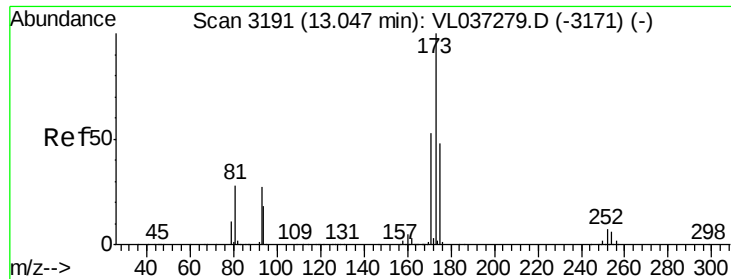
MMDadoda
 8/2/2021 9:03:23 AM



#48
 Dibromochloromethane
 Concen: 11.278 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.3	117.8





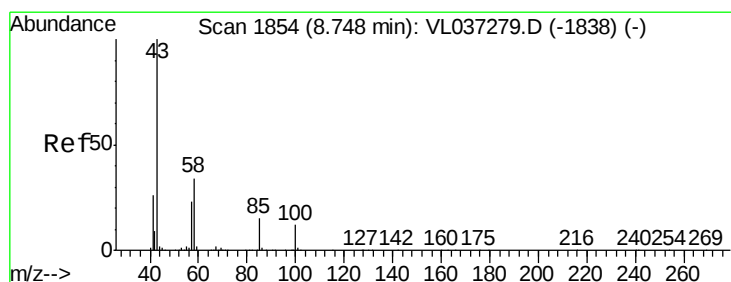
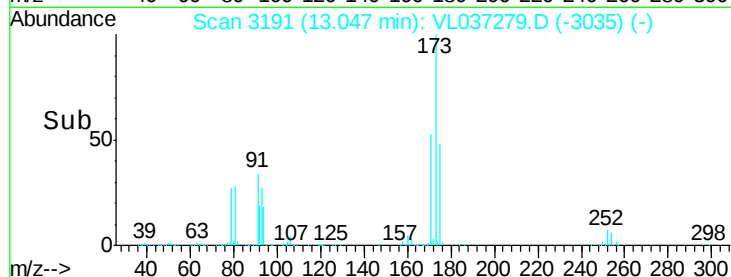
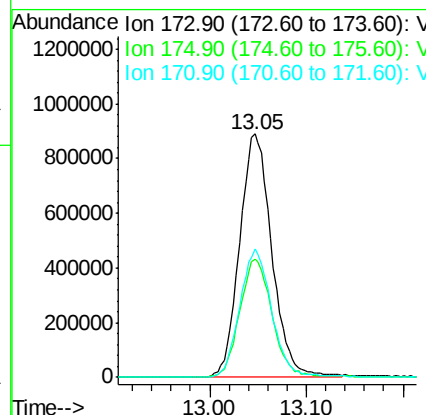
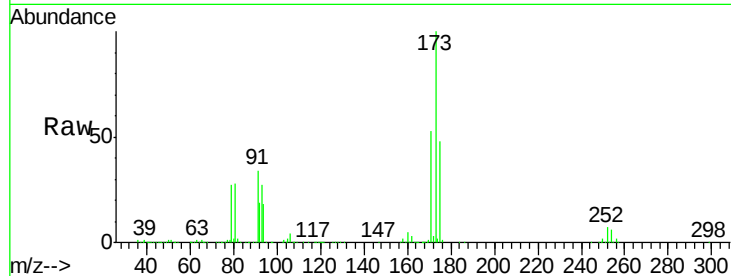
#49
Bromoform
Concen: 12.454 ppbv
RT: 13.05 min Scan# 3191
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:173 Resp: 2067558
Ion Ratio Lower Upper
173 100
175 49.3 39.7 59.5
171 52.9 41.9 62.9

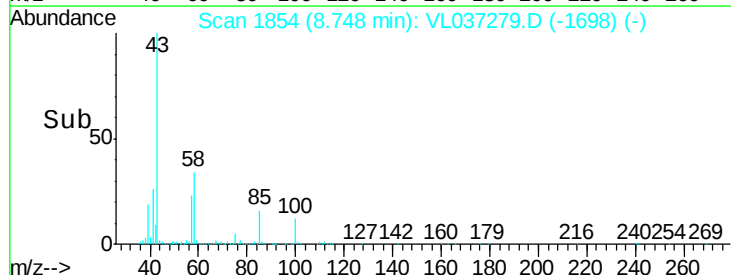
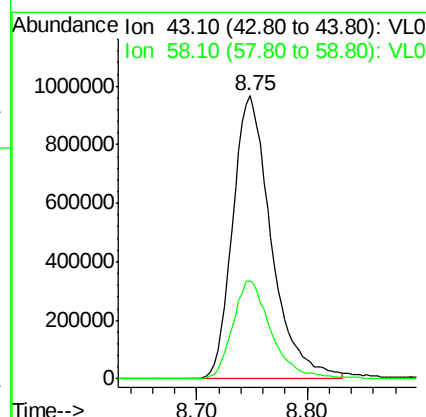
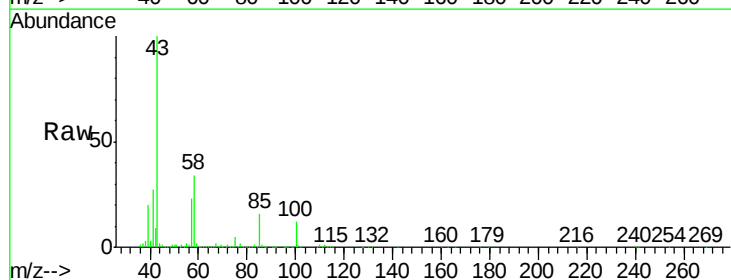
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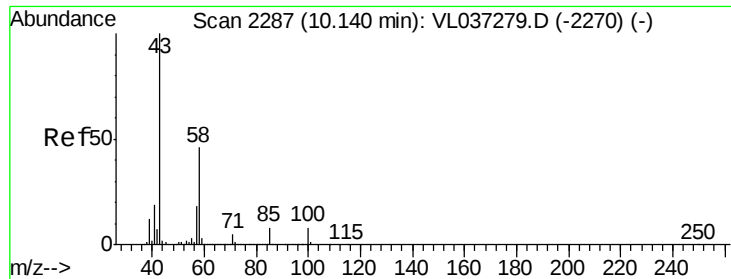
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 10.749 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Tgt Ion: 43 Resp: 2344619
Ion Ratio Lower Upper
43 100
58 35.1 28.1 42.1





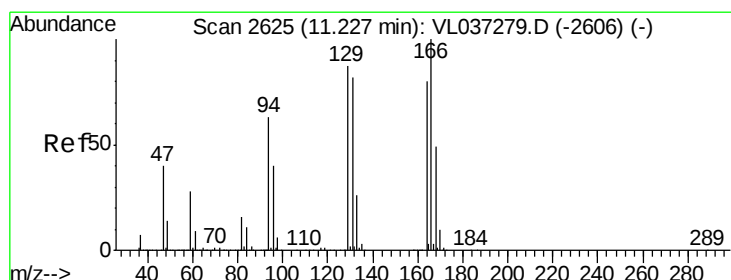
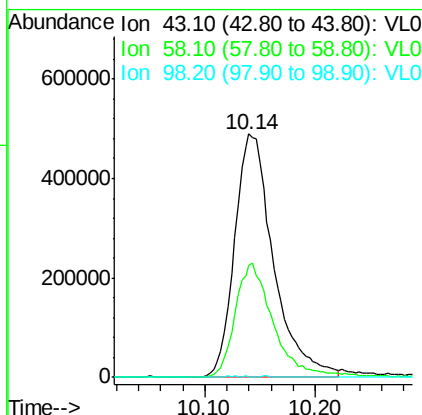
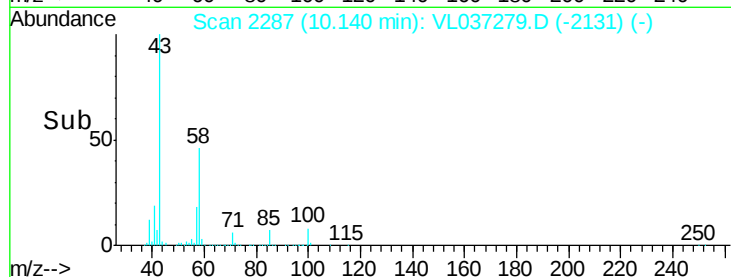
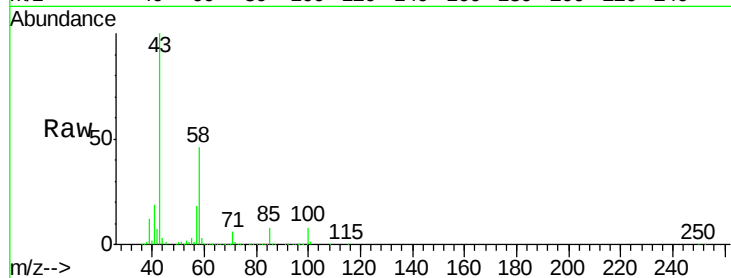
#51
2-Hexanone
Concen: 11.208 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 1195847
Ion Ratio Lower Upper
43 100
58 46.9 37.1 55.7
98 0.6 0.4 0.6

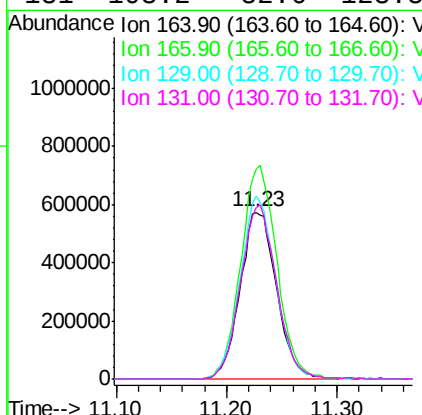
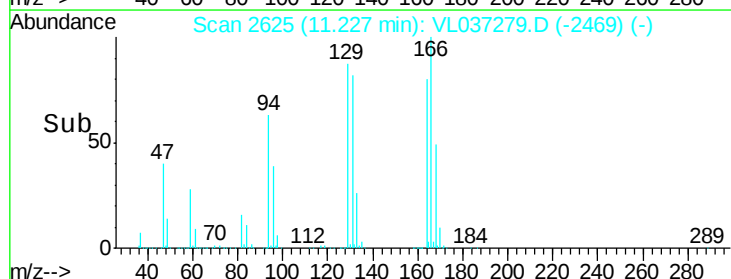
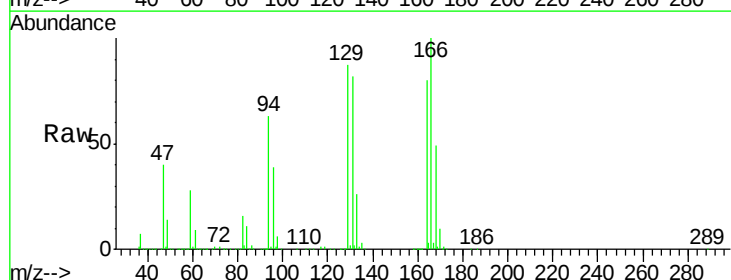
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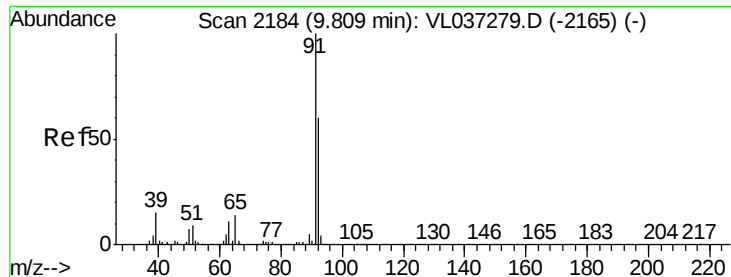
MMDadoda
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#52
Tetrachloroethene
Concen: 8.701 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Tgt Ion: 164 Resp: 1312670
Ion Ratio Lower Upper
164 100
166 125.8 100.6 151.0
129 109.7 87.8 131.6
131 103.2 82.6 123.8





#53

Toluene

Concen: 9.805 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 3821153

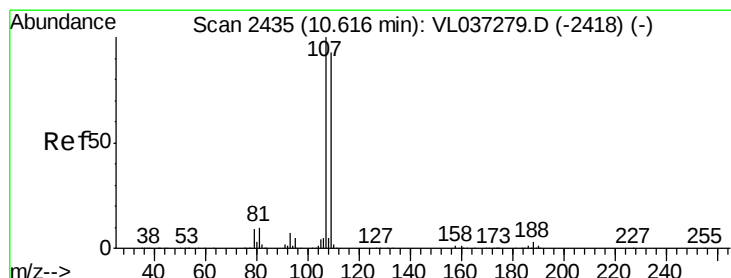
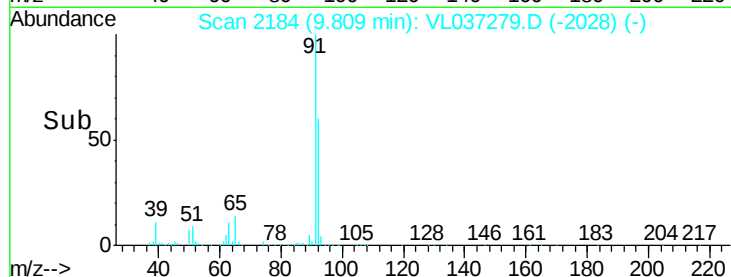
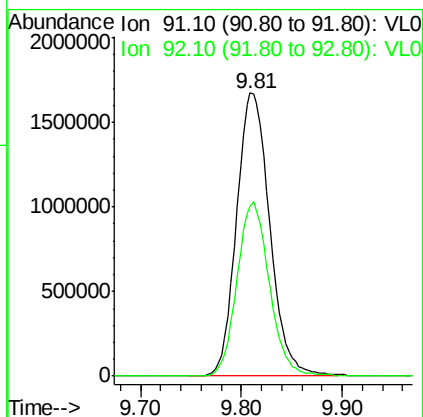
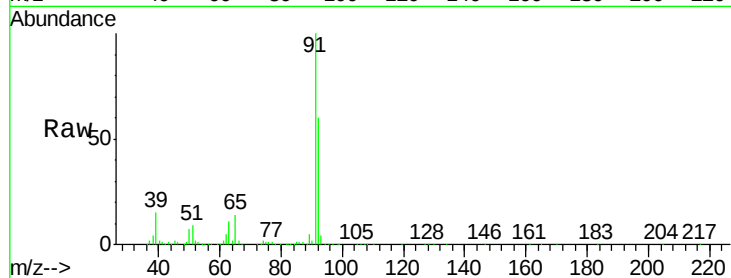
Ion Ratio Lower Upper

91 100

92 60.1 48.1 72.1

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#54

1,2-Dibromoethane

Concen: 10.207 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VL037279.D

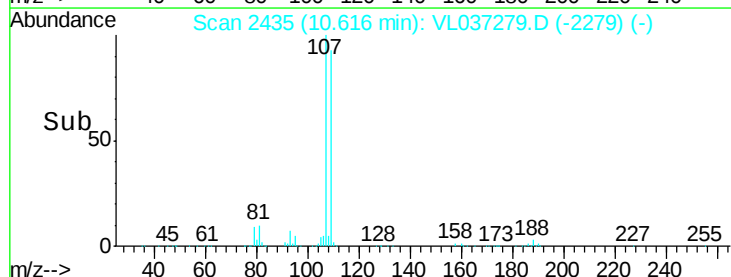
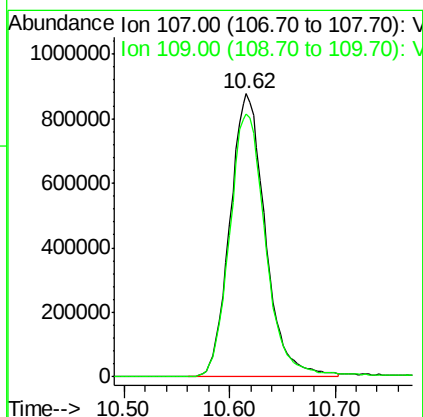
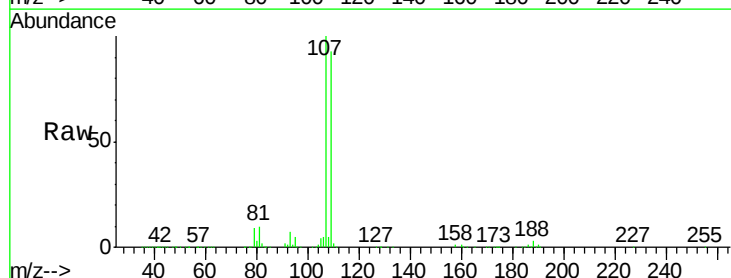
Acq: 27 Jul 2021 2:35

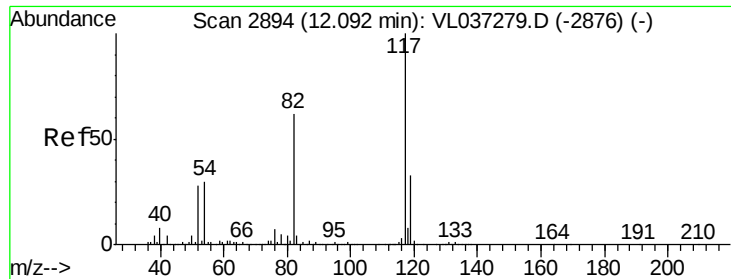
Tgt Ion: 107 Resp: 2034592

Ion Ratio Lower Upper

107 100

109 92.8 74.2 111.4





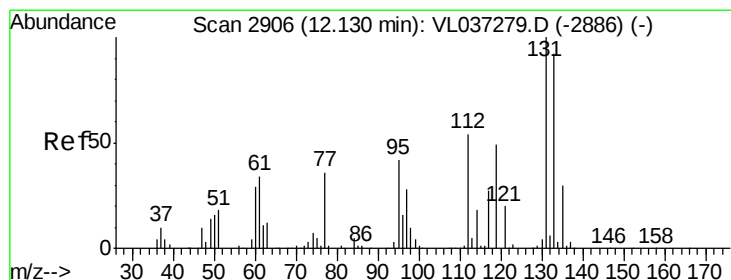
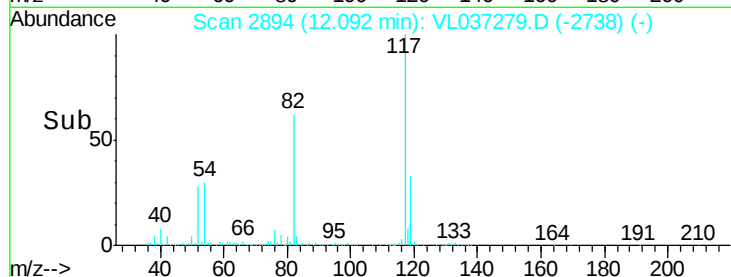
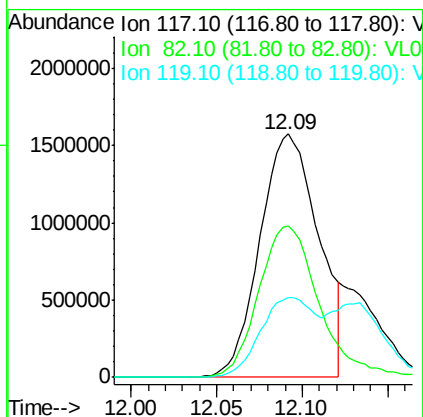
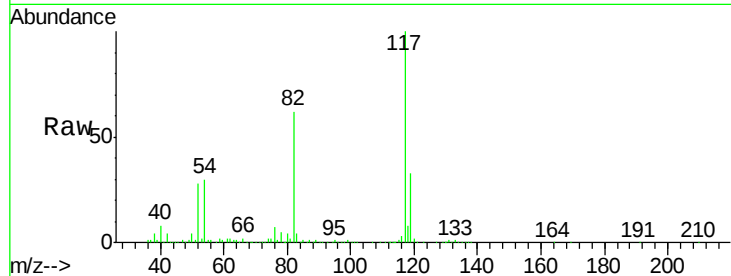
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2894
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:117 Resp: 3739827
Ion Ratio Lower Upper
117 100
82 65.2 52.3 78.5
119 31.0 26.5 39.7

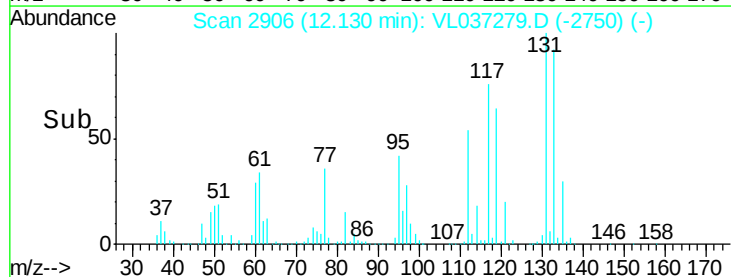
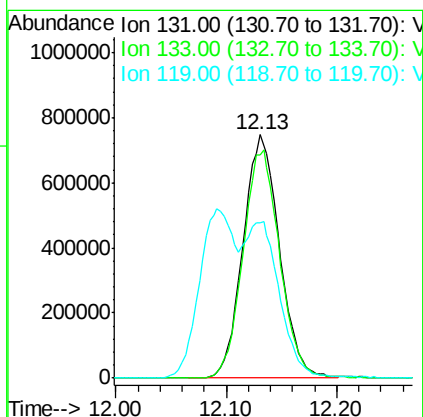
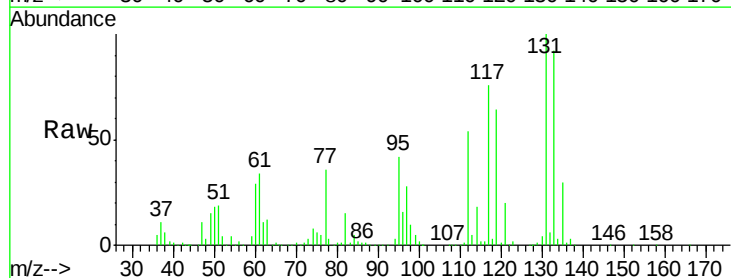
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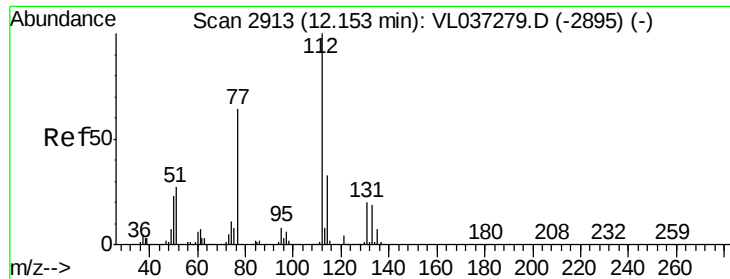
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.262 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Tgt Ion:131 Resp: 1703517
Ion Ratio Lower Upper
131 100
133 95.4 76.4 114.6
119 63.0 106.1 159.1#





#57

Chlorobenzene

Concen: 9.608 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:112 Resp: 2943937

Ion Ratio Lower Upper

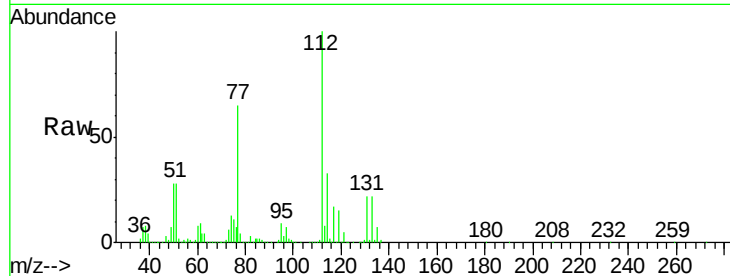
112 100

77 64.6 51.7 77.5

114 32.6 29.3 35.9

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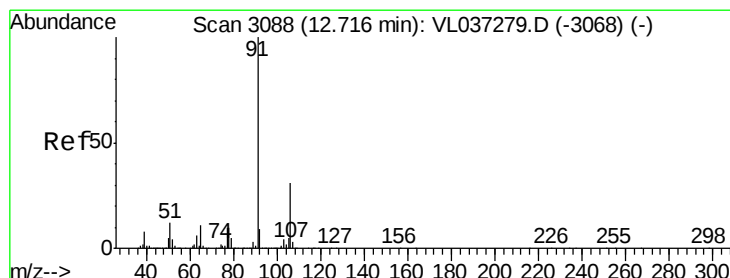
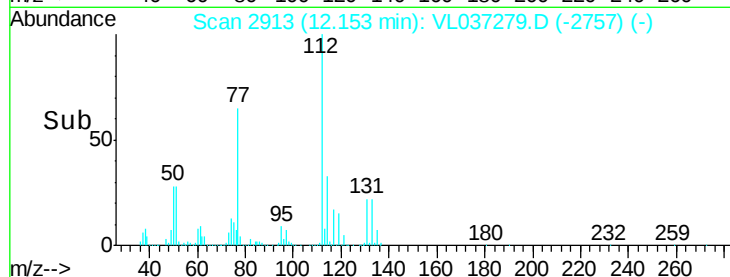
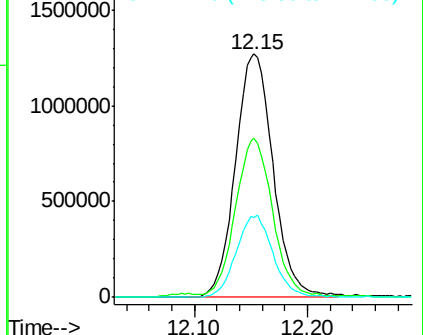
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.836 ppbv

RT: 12.72 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VL037279.D

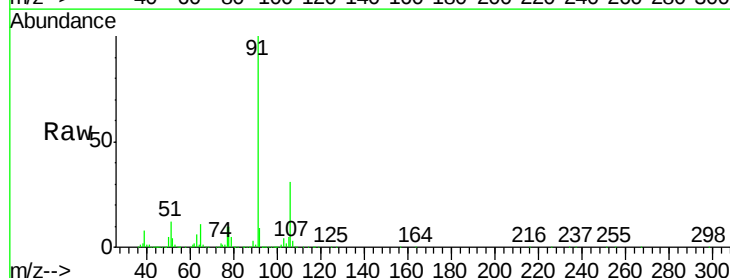
Acq: 27 Jul 2021 2:35

Tgt Ion: 91 Resp: 5109787

Ion Ratio Lower Upper

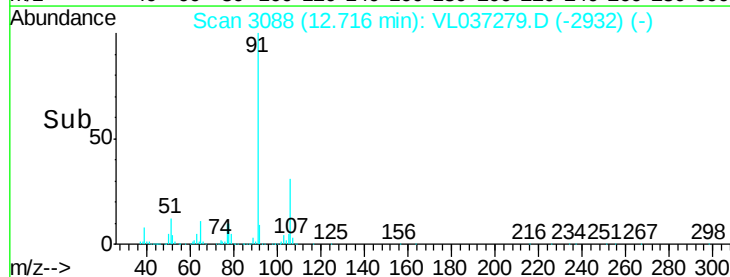
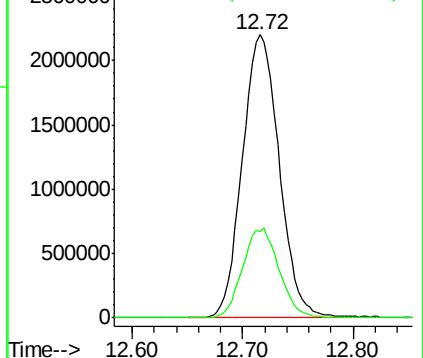
91 100

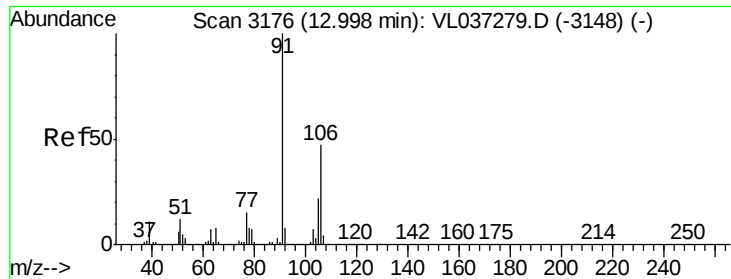
106 30.6 24.5 36.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





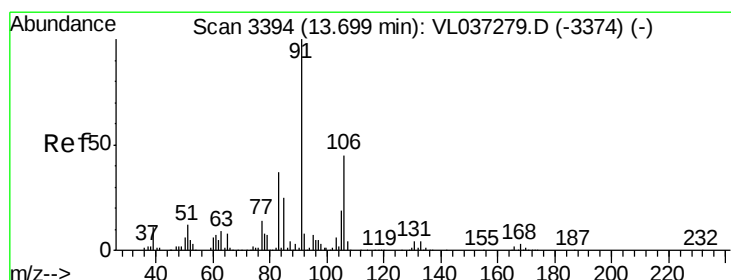
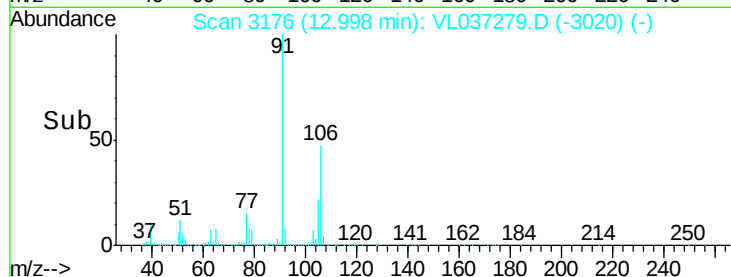
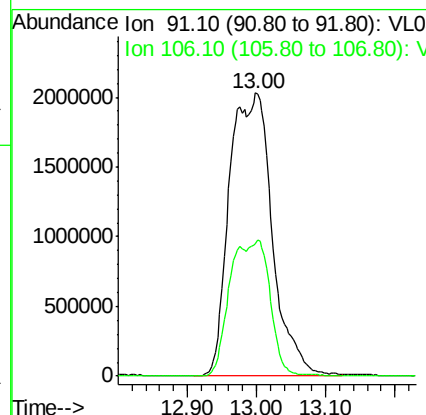
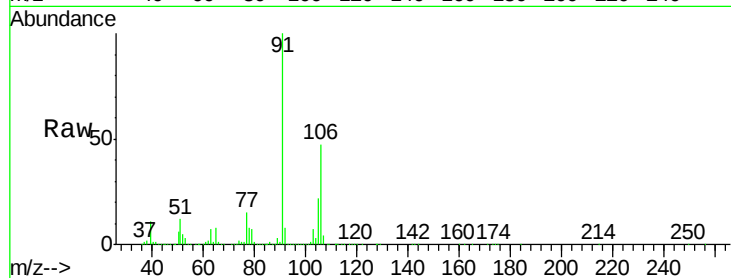
#59
m/p-Xylene
Concen: 19.759 ppbv m
RT: 13.00 min Scan# 3176
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 8730783
Ion Ratio Lower Upper
91 100
106 45.2 36.2 54.2

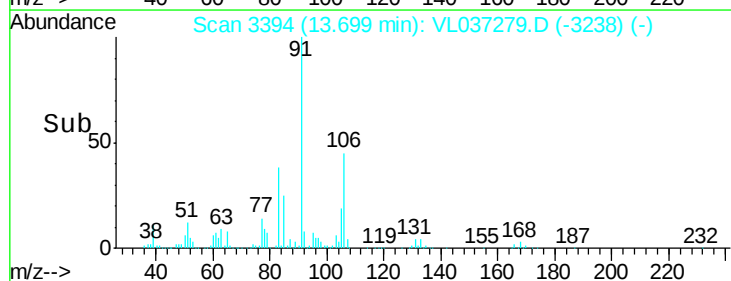
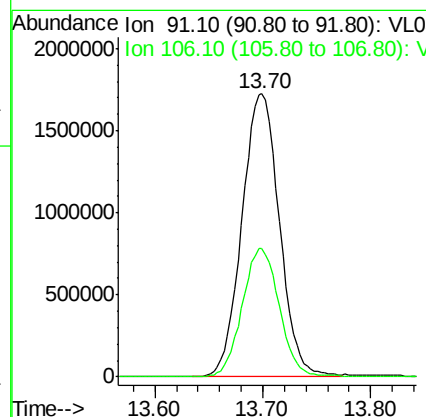
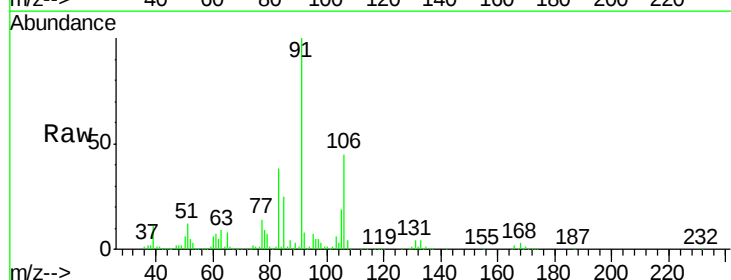
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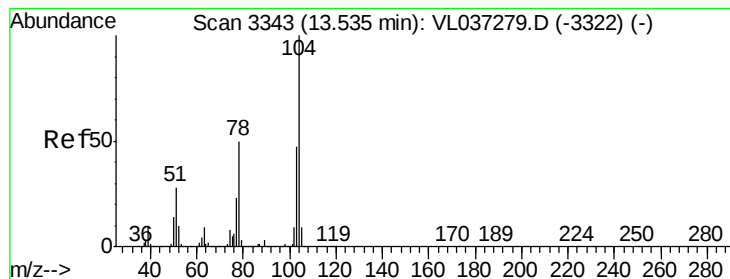
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#60
o-Xylene
Concen: 9.868 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Tgt Ion: 91 Resp: 4161615
Ion Ratio Lower Upper
91 100
106 45.2 22.6 67.8





#61

Stvrene

Concen: 10.741 ppbv

RT: 13.54 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:104 Resp: 2316128

Ion Ratio Lower Upper

104 100

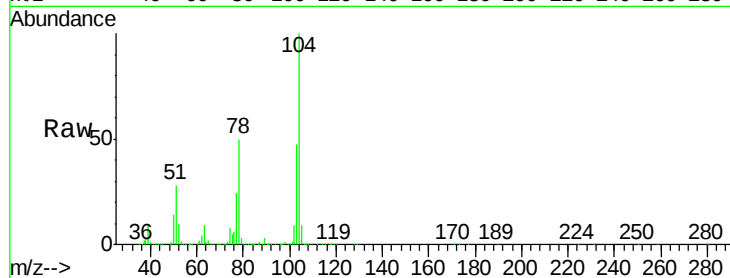
78 52.1 41.8 62.6

103 48.3 38.6 58.0

Manual Integrations
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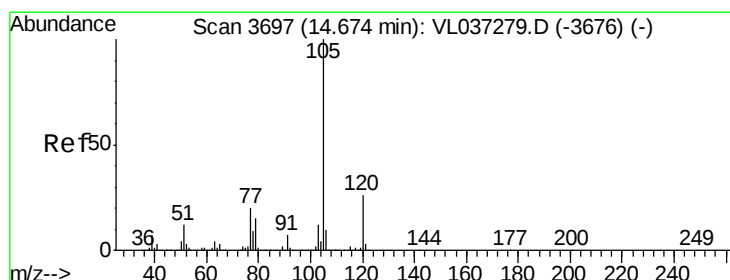
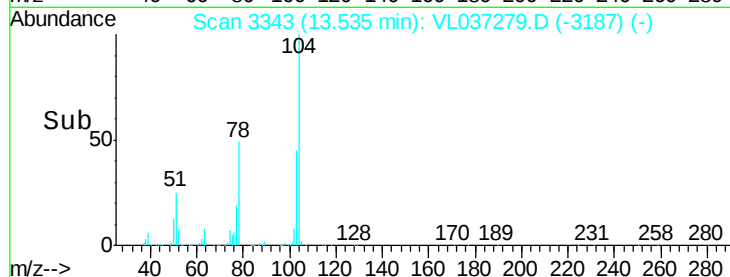
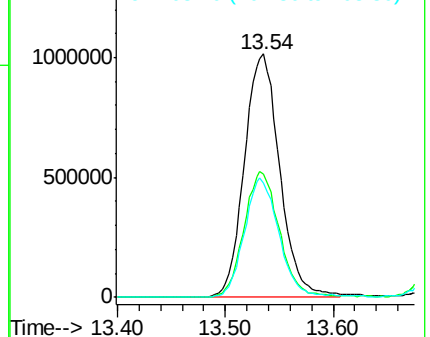
8/2/2021 9:03:23 AM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.699 ppbv

RT: 14.67 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VL037279.D

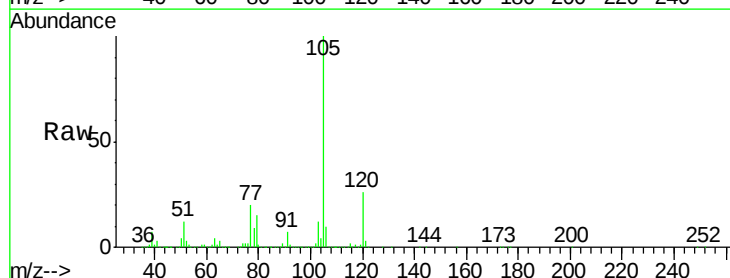
Acq: 27 Jul 2021 2:35

Tgt Ion:105 Resp: 5819433

Ion Ratio Lower Upper

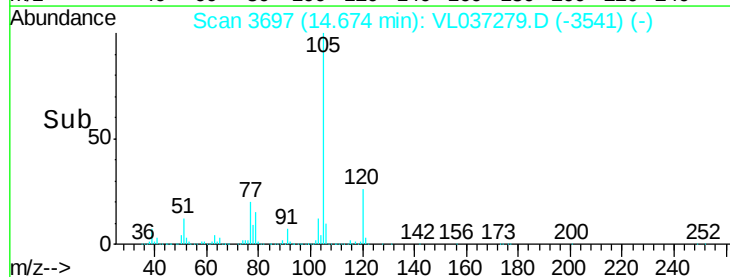
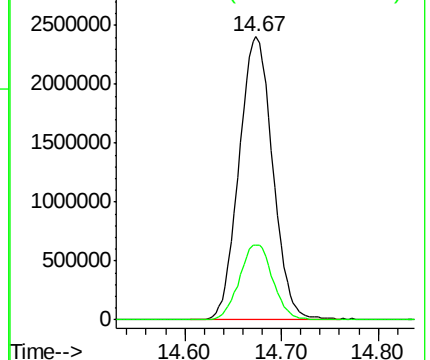
105 100

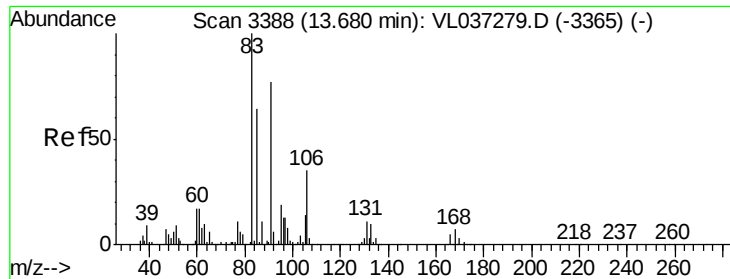
120 26.6 21.3 31.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





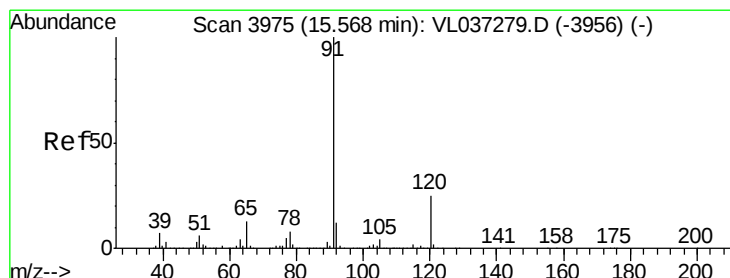
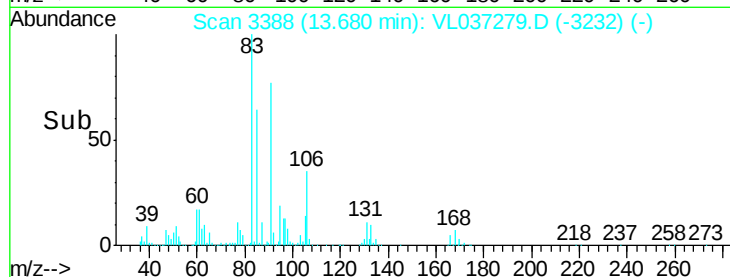
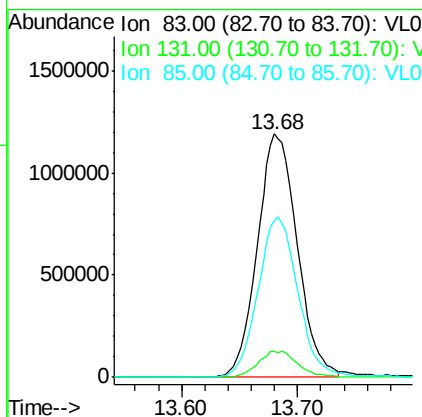
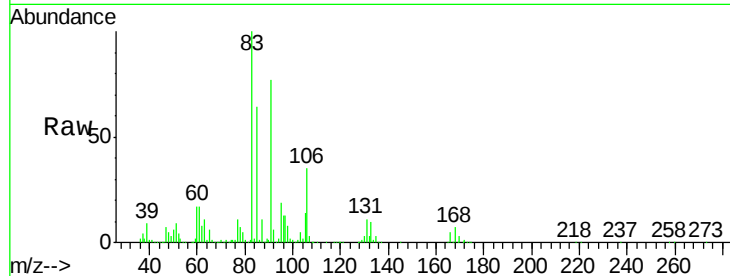
#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.098 ppbv
 RT: 13.68 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	83	Resp	2843083
Ion Ratio	100	Lower	Upper
83	100		
131	10.8	5.4	16.2
85	66.8	33.4	100.2

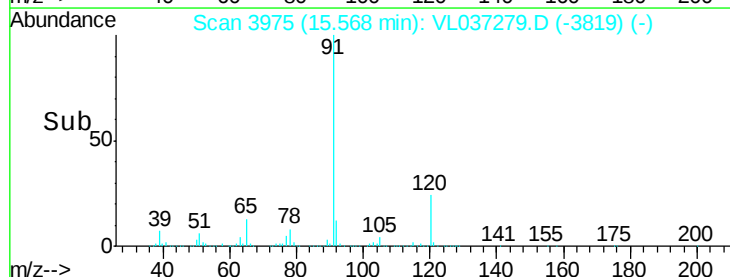
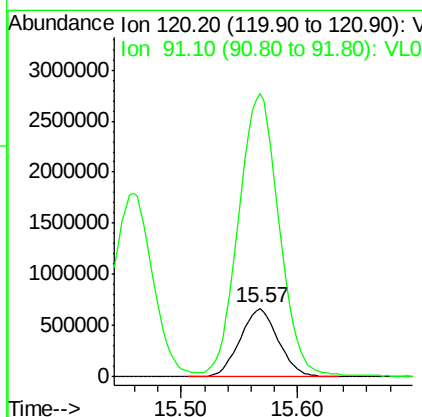
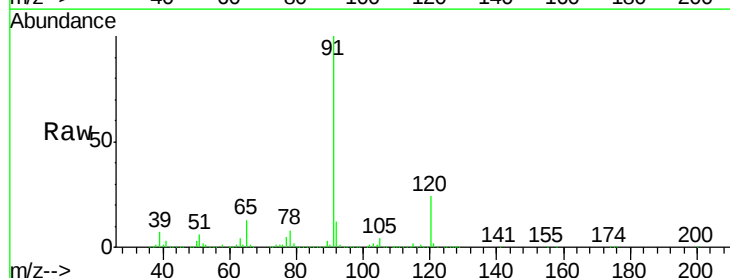
Manual Integrations
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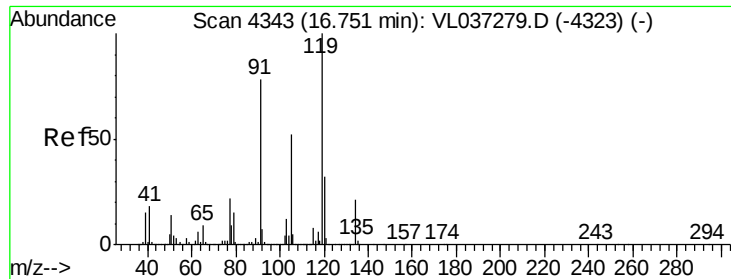
MMDadoda
 8/2/2021 9:03:23 AM



#64
 n-propylbenzene
 Concen: 10.252 ppbv
 RT: 15.57 min Scan# 3975
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

Tgt Ion	120	Resp	1535001
Ion Ratio	100	Lower	Upper
120	100		
91	442.3	353.8	530.8





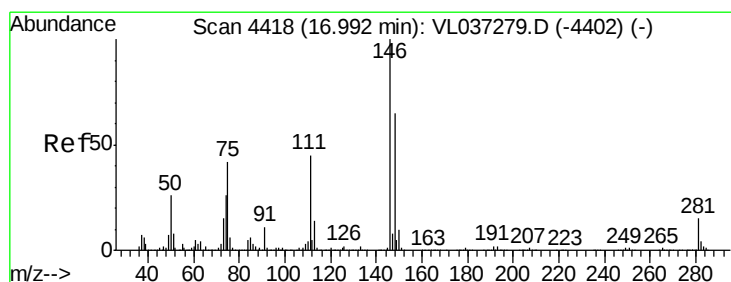
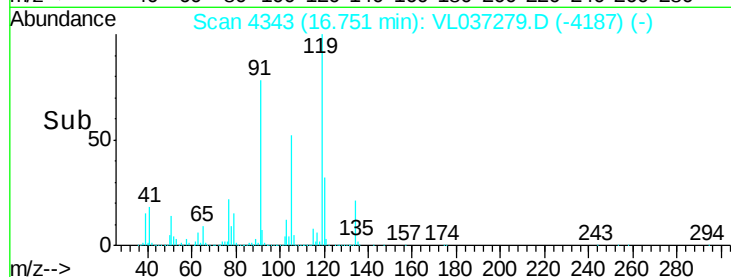
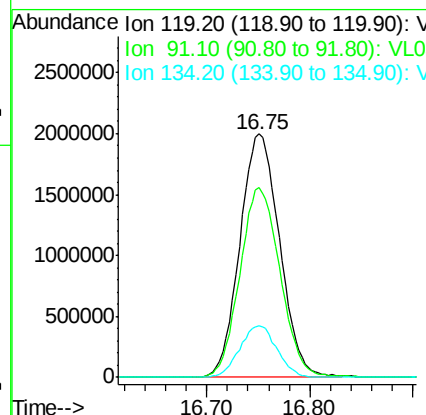
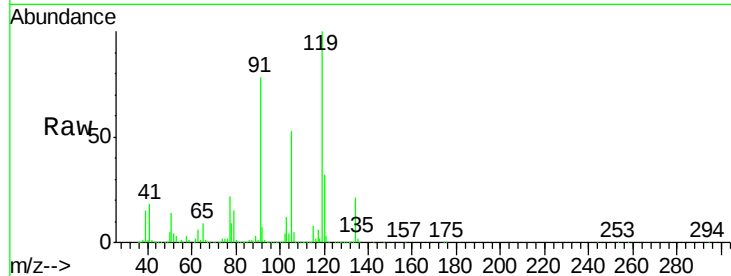
#65
tert-Butylbenzene
Concen: 9.974 ppbv
RT: 16.75 min Scan# 4343
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:119 Resp: 5338716
Ion Ratio Lower Upper
119 100
91 79.2 63.4 95.0
134 20.1 16.1 24.1

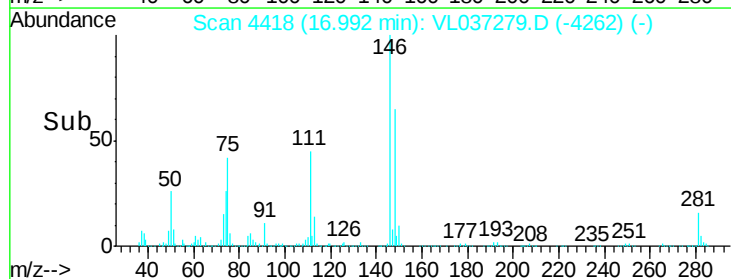
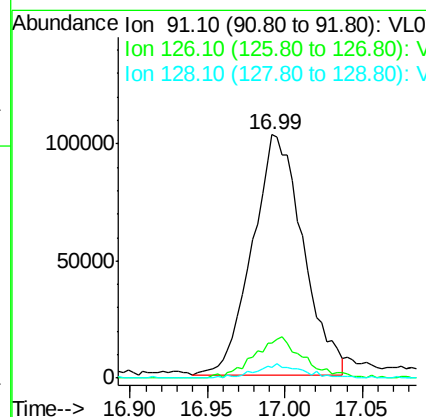
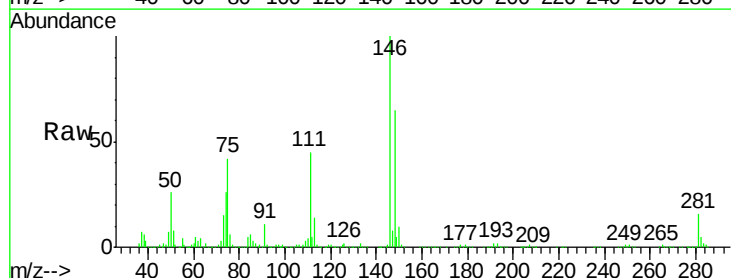
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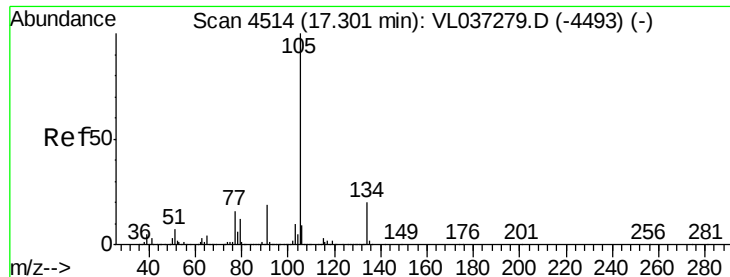
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#66
Benzyl Chloride
Concen: 10.314 ppbv
RT: 16.99 min Scan# 4418
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Tgt Ion: 91 Resp: 235113
Ion Ratio Lower Upper
91 100
126 17.2 13.4 20.2
128 5.6 4.5 6.7





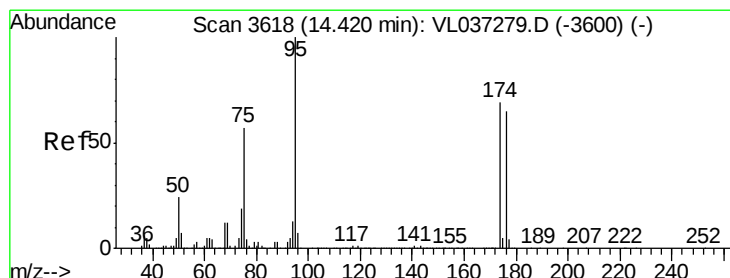
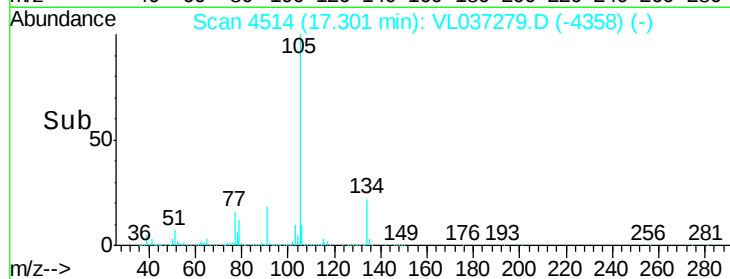
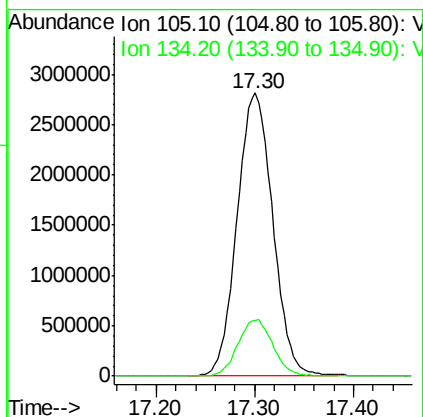
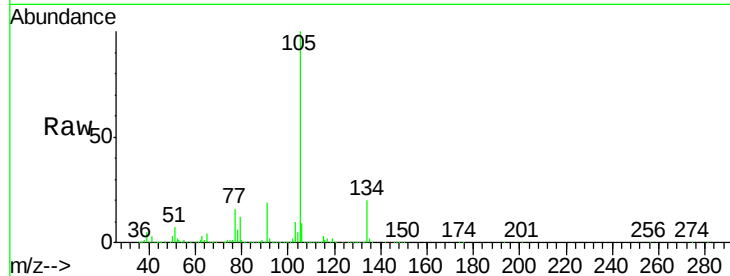
#67
 sec-Butylbenzene
 Concen: 9.889 ppbv
 RT: 17.30 min Scan# 4514
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 105 Resp: 7047886
 Ion Ratio Lower Upper
 105 100
 134 19.5 15.8 23.6

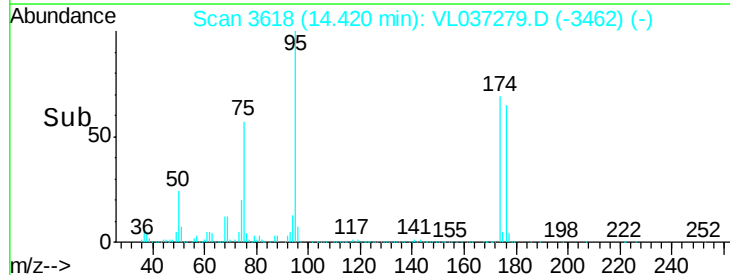
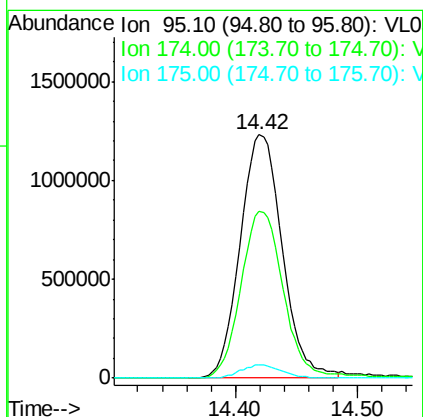
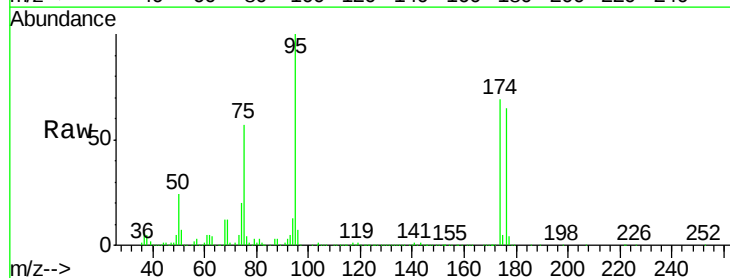
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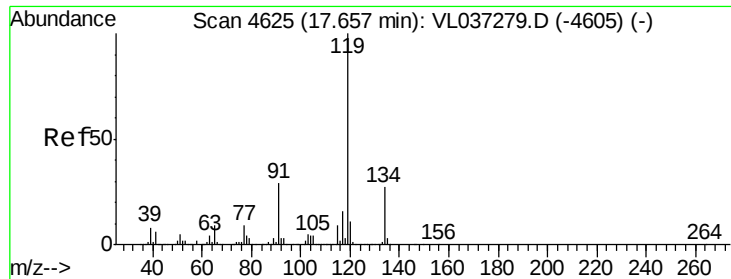
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.368 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

Tgt Ion: 95 Resp: 2936729
 Ion Ratio Lower Upper
 95 100
 174 70.7 56.3 84.5
 175 5.4 4.3 6.5





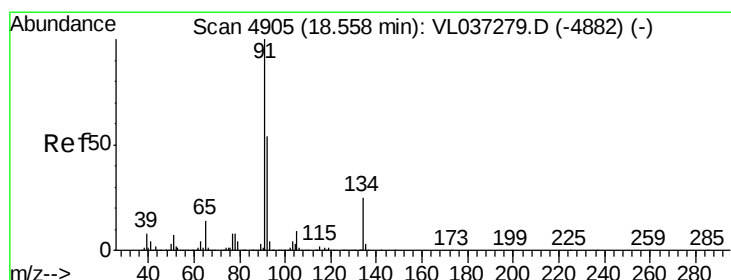
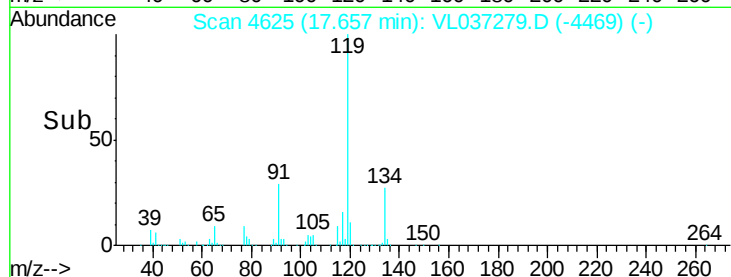
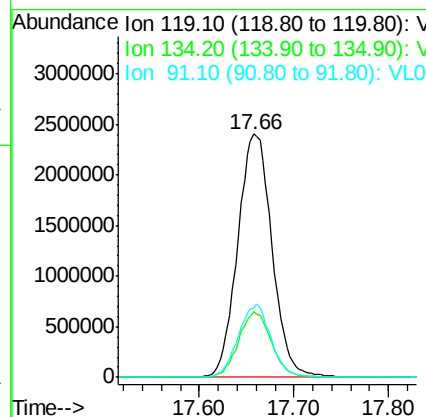
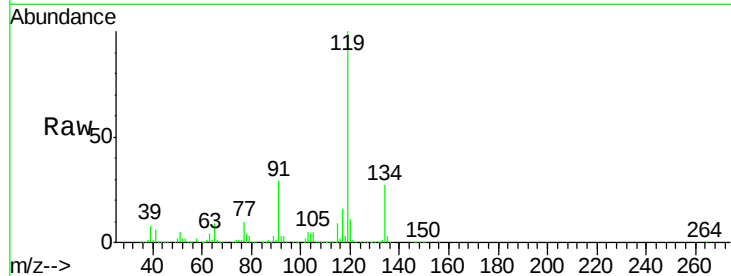
#69
 p-Isopropyltoluene
 Concen: 10.077 ppbv
 RT: 17.66 min Scan# 4625
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 119 Resp: 6058603
 Ion Ratio Lower Upper
 119 100
 134 25.8 20.6 31.0
 91 28.6 23.0 34.4

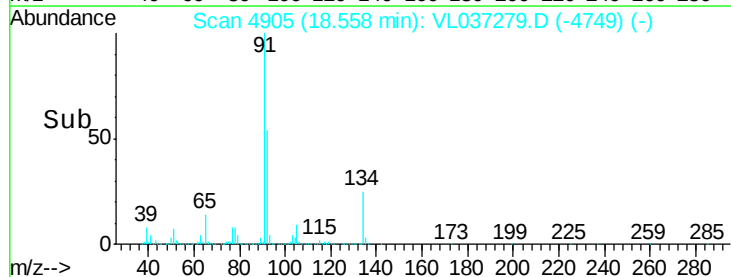
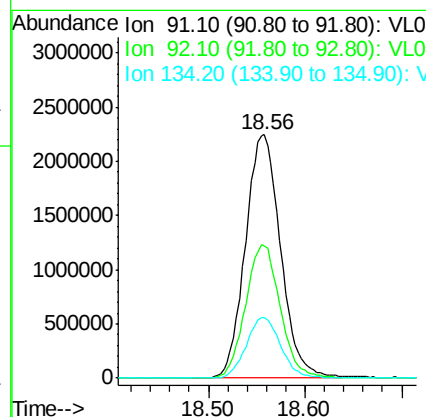
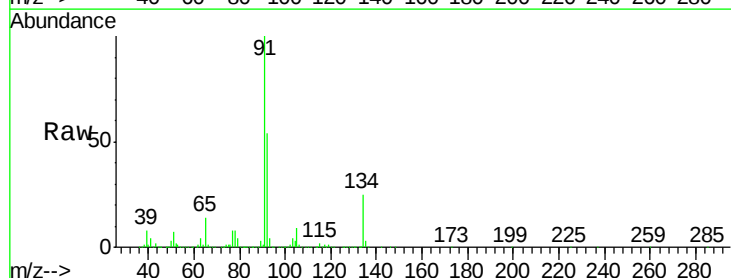
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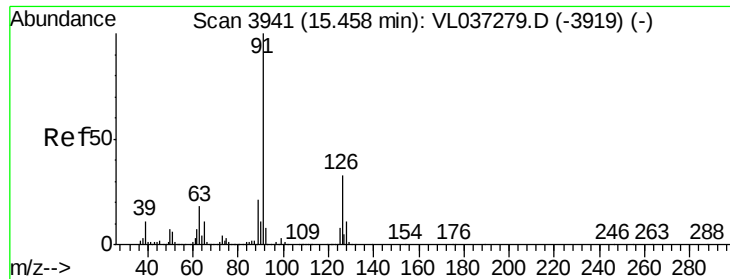
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#70
 n-Butylbenzene
 Concen: 10.191 ppbv
 RT: 18.56 min Scan# 4905
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

Tgt Ion: 91 Resp: 5666132
 Ion Ratio Lower Upper
 91 100
 92 54.0 43.4 65.2
 134 24.6 19.6 29.4





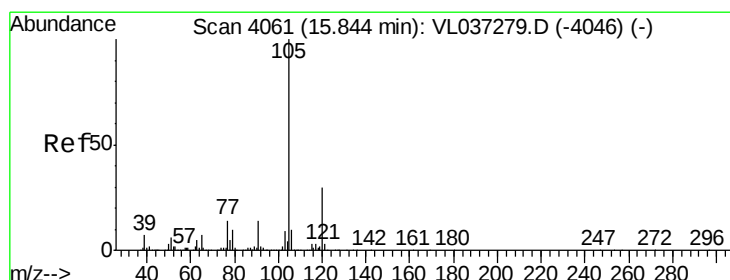
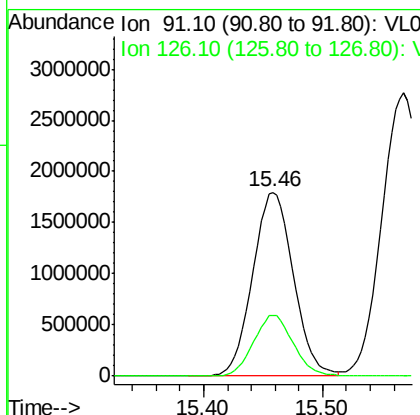
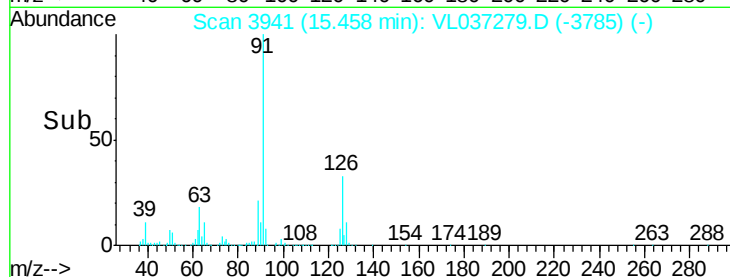
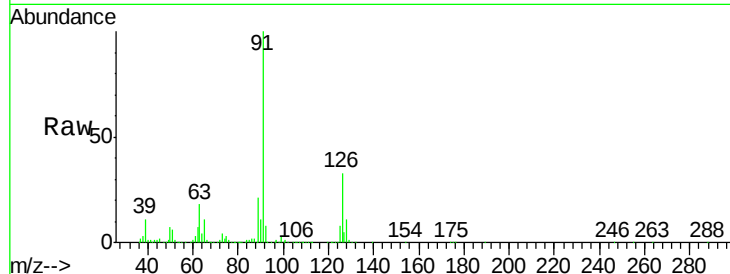
#71
 2-Chlorotoluene
 Concen: 10.118 ppbv
 RT: 15.46 min Scan# 3941
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 91 Resp: 4258918
 Ion Ratio Lower Upper
 91 100
 126 32.7 13.1 52.3

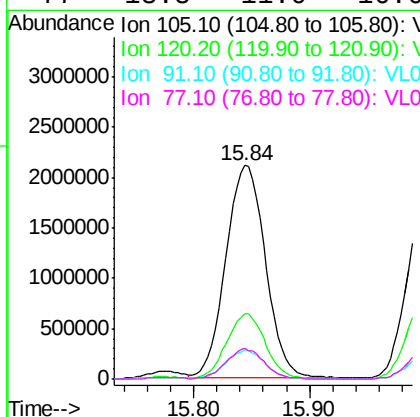
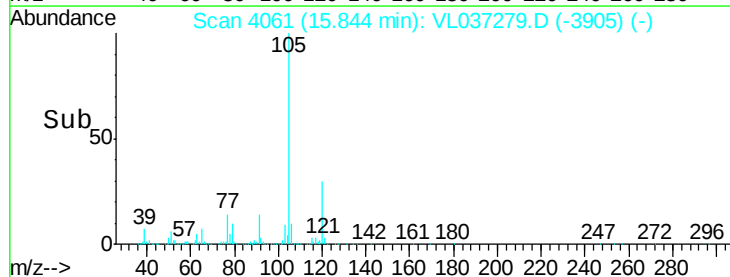
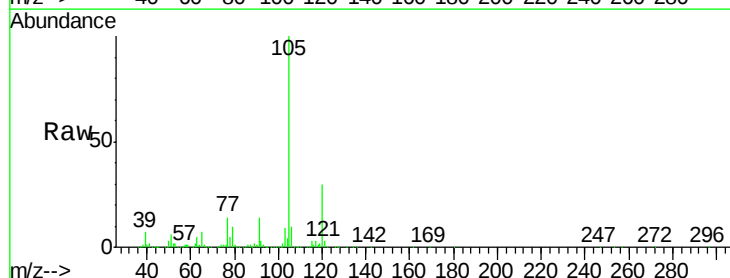
Manual Integrations
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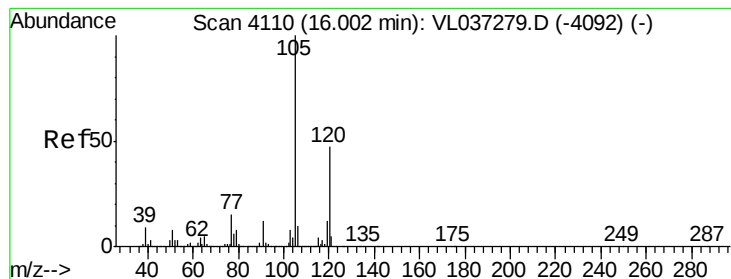
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#72
 4-Ethyltoluene
 Concen: 10.359 ppbv
 RT: 15.84 min Scan# 4061
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

Tgt Ion: 105 Resp: 4978134
 Ion Ratio Lower Upper
 105 100
 120 30.4 24.3 36.5
 91 13.1 10.5 15.7
 77 13.8 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 9.801 ppbv

RT: 16.00 min Scan# 4110

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 4552762

Ion Ratio Lower Upper

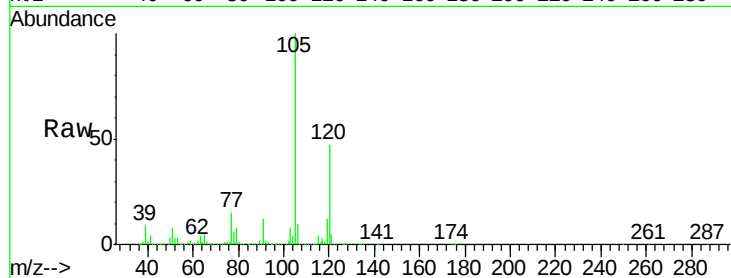
105 100

120 47.1 37.7 56.5

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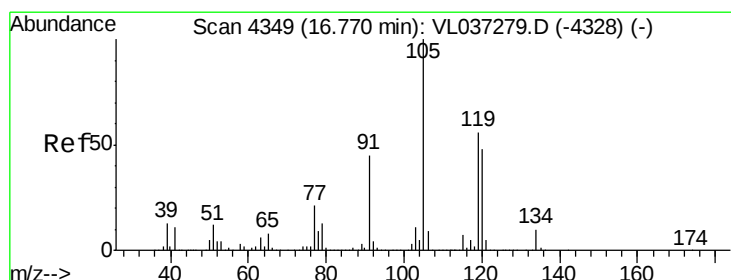
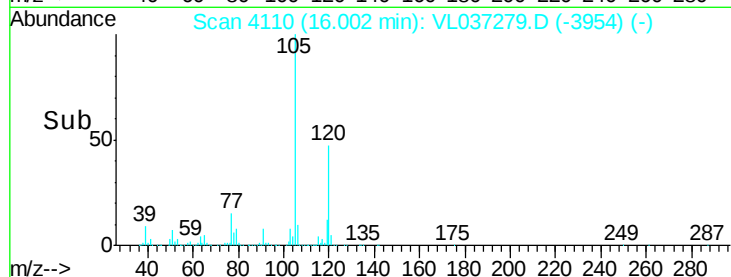
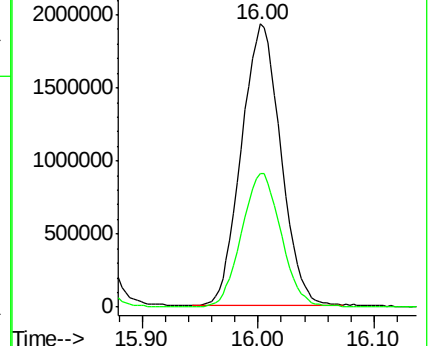
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.948 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Tgt Ion:105 Resp: 4762731

Ion Ratio Lower Upper

105 100

120 47.8 38.2 57.4

91 45.2 36.2 54.2

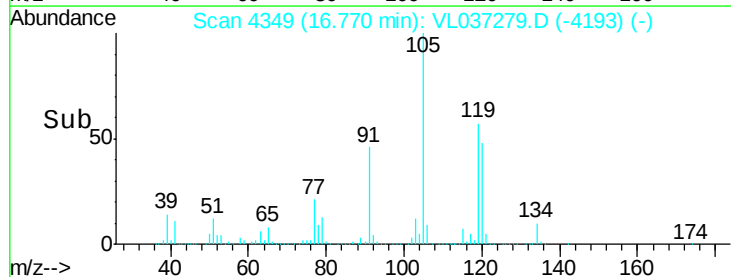
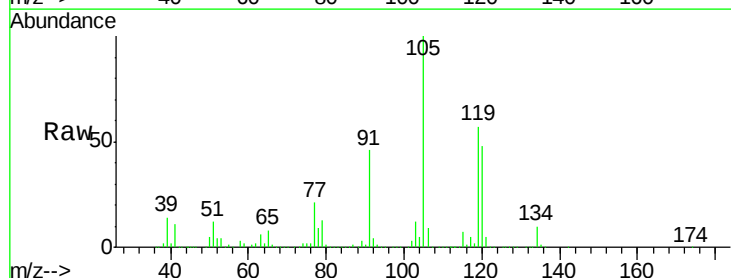
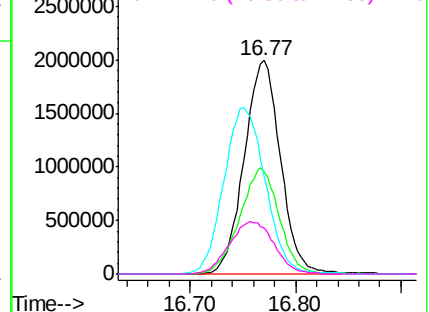
77 21.3 17.0 25.6

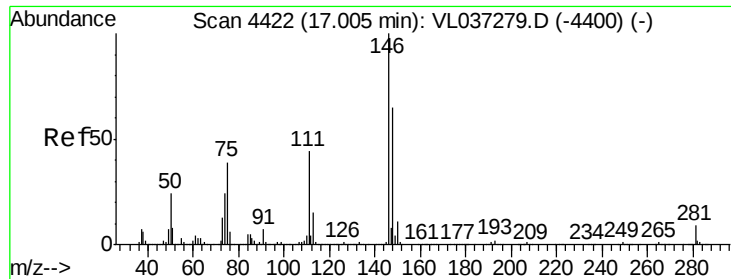
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V





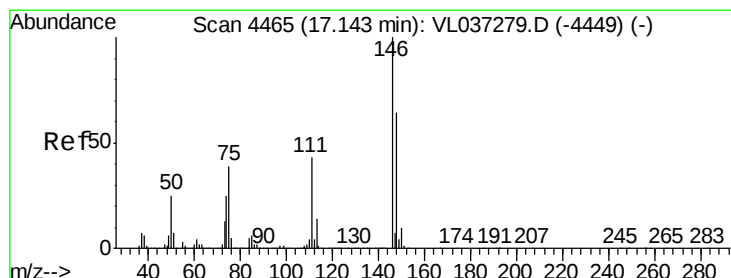
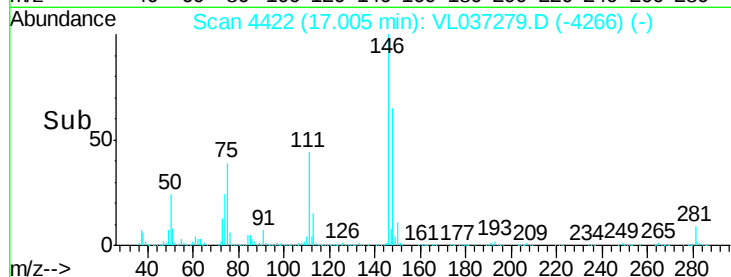
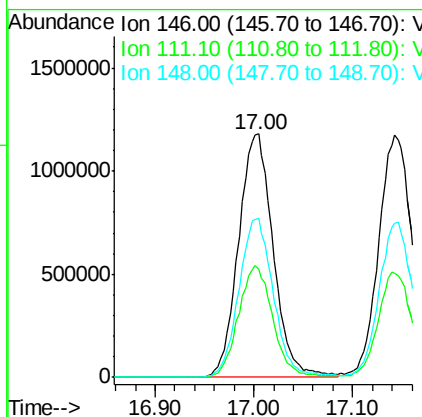
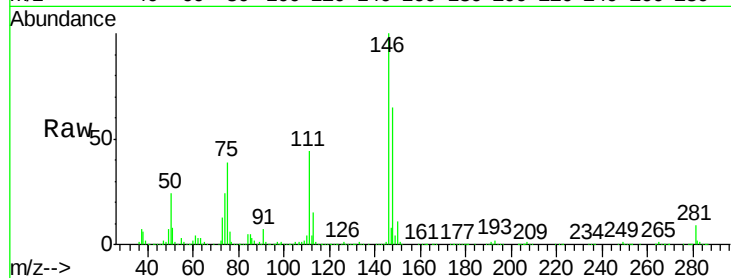
#75
 1,3-Dichlorobenzene
 Concen: 9.898 ppbv
 RT: 17.00 min Scan# 4422
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.6	67.8
148	64.9	32.4	97.2

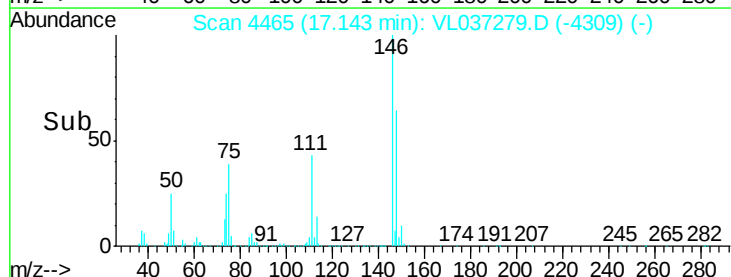
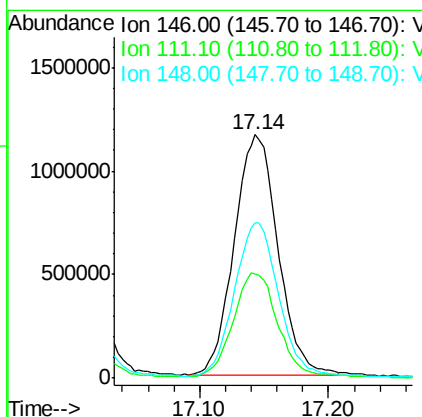
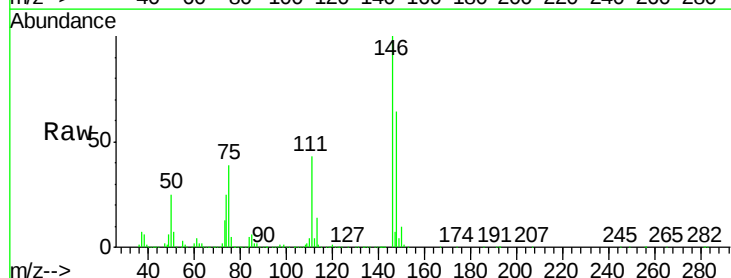
Manual Integrations
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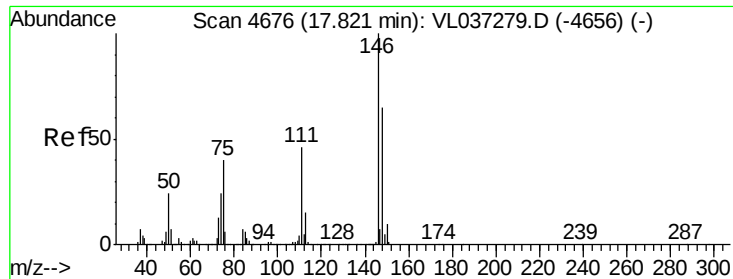
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 8/2/2021 9:03:23 AM



#76
 1,4-Dichlorobenzene
 Concen: 9.416 ppbv
 RT: 17.14 min Scan# 4465
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.6	22.8	68.4
148	67.3	33.7	101.0





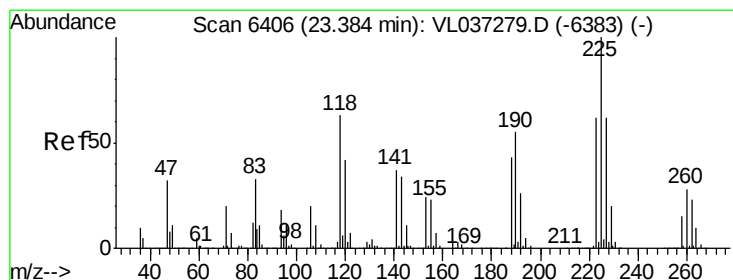
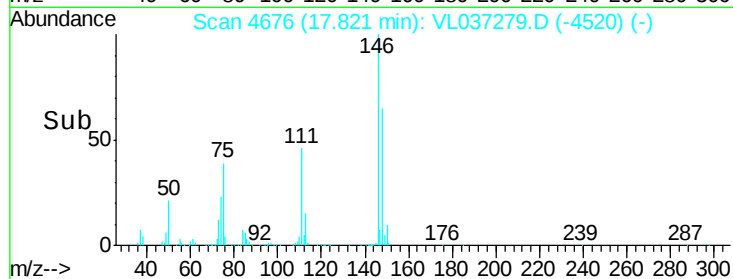
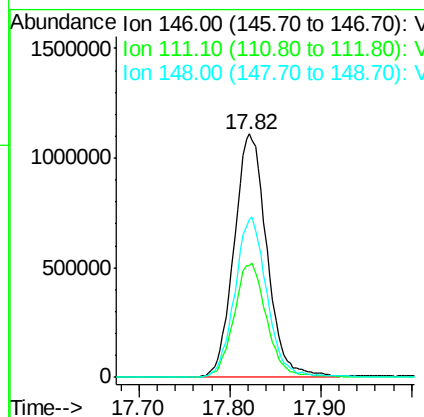
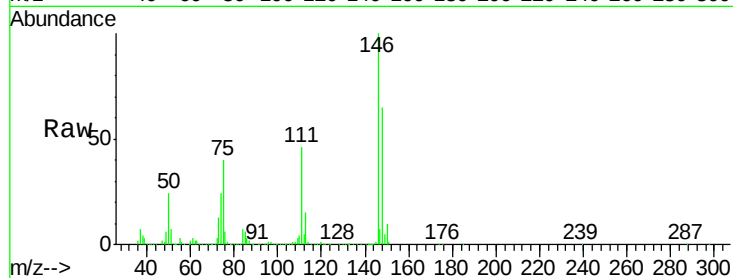
#77
 1,2-Dichlorobenzene
 Concen: 9.794 ppbv
 RT: 17.82 min Scan# 4676
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:146 Resp: 2761737
 Ion Ratio Lower Upper
 146 100
 111 46.9 23.4 70.3
 148 64.6 32.3 96.9

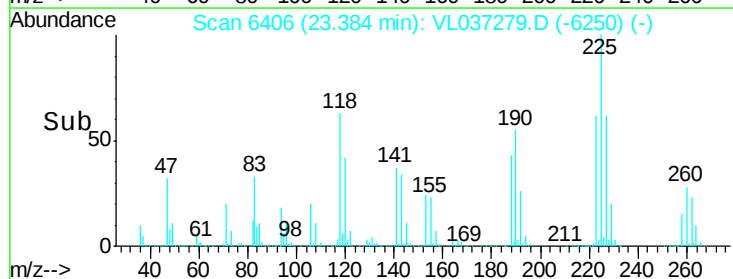
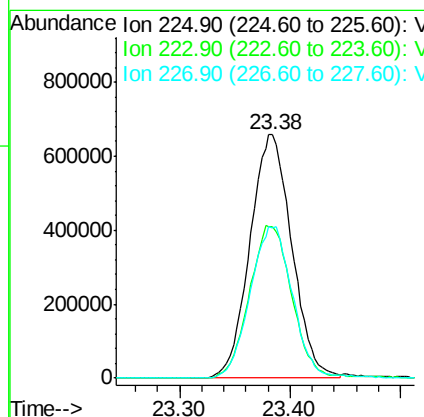
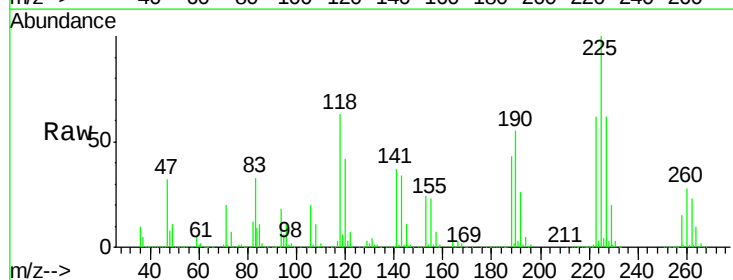
Manual Integrations
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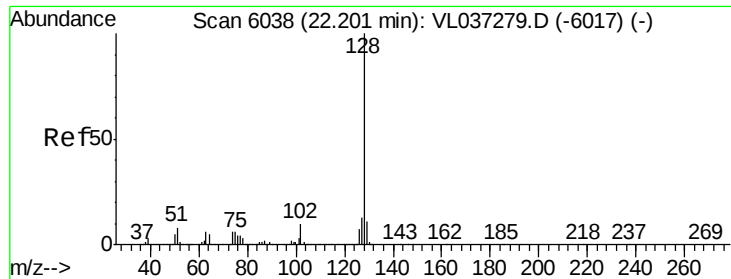
MMDadoda
 8/2/2021 9:03:23 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.364 ppbv
 RT: 23.38 min Scan# 6406
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

Tgt Ion:225 Resp: 1726734
 Ion Ratio Lower Upper
 225 100
 223 63.7 51.4 77.2
 227 63.7 50.8 76.2





#79

Naphthalene

Concen: 8.431 ppbv

RT: 22.20 min Scan# 6038

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:128 Resp: 3159682

Ion Ratio Lower Upper

128 100

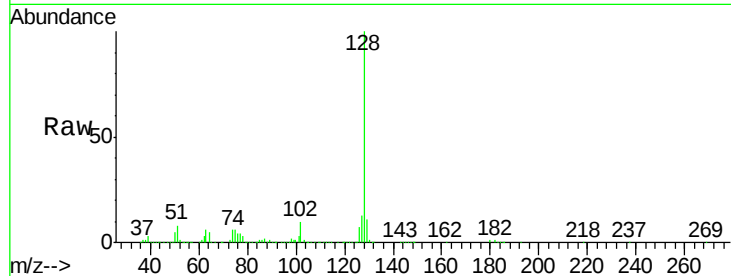
127 12.9 10.3 15.5

129 11.2 9.0 13.4

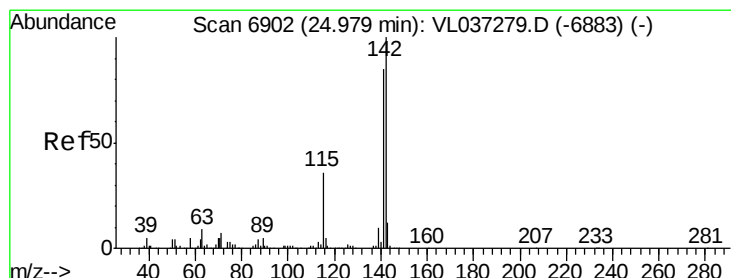
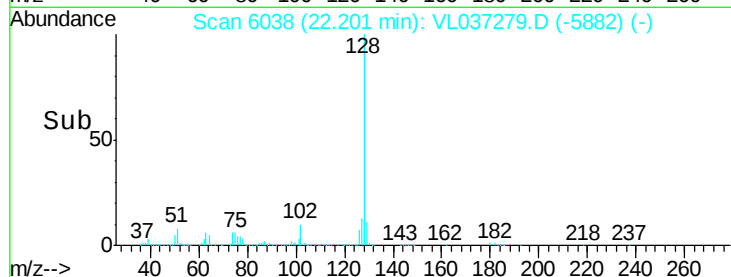
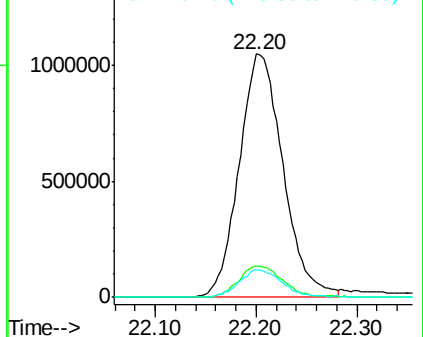
Manual Integrations
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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 6.560 ppbv

RT: 24.98 min Scan# 6902

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

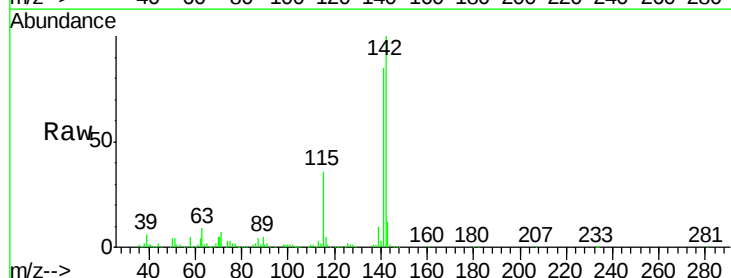
Tgt Ion:142 Resp: 590424

Ion Ratio Lower Upper

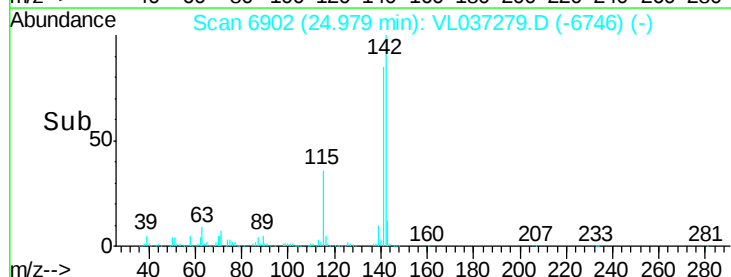
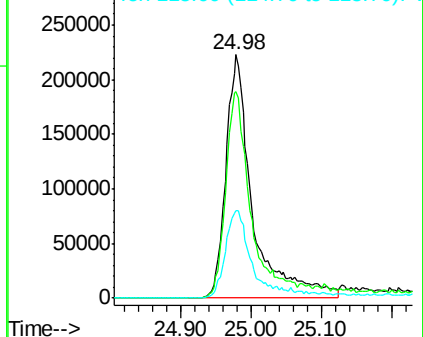
142 100

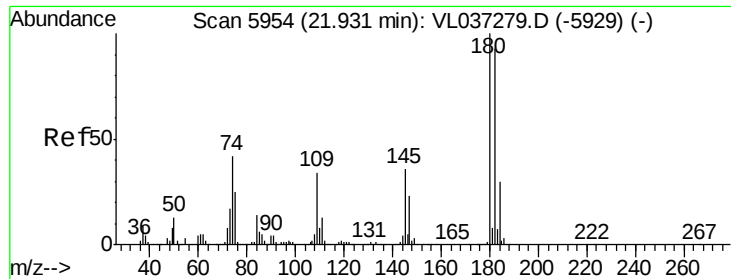
141 87.8 70.7 106.1

115 39.8 31.4 47.0



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: 8.474 ppbv
 RT: 21.93 min Scan# 5954
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	79.3	118.9
184	30.7	24.8	37.2

Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 9:03:23 AM

