

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092721\
 Data File : VL037697.D
 Acq On : 28 Sep 2021 1:40
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 10/1/2021 11:05:37 AM

Quant Time: Sep 28 03:18:28 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 1
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1471128	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4385784	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.09	117	4057680m	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2923279	9.97	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.06	85	1862040	6.995	ppbv	100
3) Chlorodifluoromethane	3.00	51	2587410	9.324	ppbv	99
4) Chloromethane	3.15	50	980329	9.562	ppbv	98
5) Vinyl Chloride	3.27	62	1004017	10.426	ppbv	99
6) Bromomethane	3.48	94	522239	9.331	ppbv	96
7) Chloroethane	3.56	64	348160	9.674	ppbv	100
8) Dichlorotetrafluoroethane	3.20	85	2241382	9.760	ppbv	99
9) Propene	3.02	41	987408	10.088	ppbv	95
10) Heptane	8.13	43	2394956	10.486	ppbv	99
11) Trichlorofluoromethane	3.96	101	2002382	9.369	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1478749	9.374	ppbv	100
13) Ethanol	3.62	45	106949m	11.171	ppbv	
14) Bromoethene	3.75	108	691117	9.624	ppbv	100
15) Acetone	3.86	43	1160277	7.591	ppbv	96
16) 1,3-Butadiene	3.34	39	966494	10.119	ppbv	98
17) tert-Butyl alcohol	4.29	59	1364349	10.526	ppbv	100
18) 1,1-Dichloroethene	4.30	96	686090	9.336	ppbv	98
19) Isopropyl Alcohol	3.97	45	848391m	10.201	ppbv	
20) Methylene Chloride	4.35	84	573876	7.864	ppbv	94
21) Allyl Chloride	4.42	41	1162705	10.182	ppbv	97
22) trans-1,2-Dichloroethene	4.90	96	695612	9.408	ppbv	97
23) Vinyl Acetate	5.08	43	2443920	11.555	ppbv #	97
24) 1,1-Dichloroethane	5.02	63	1645001	10.857	ppbv	98
25) Ethyl Acetate	5.68	43	3730086	10.076	ppbv	100
26) Hexane	5.70	57	1757623	9.995	ppbv	99
27) Carbon Disulfide	4.56	76	1629789	10.131	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1923736	12.420	ppbv	97
29) Chloroform	5.76	83	2438398	9.496	ppbv	98
30) Cyclohexane	7.14	84	1447590	9.625	ppbv	97
31) cis-1,2-Dichloroethene	5.56	61	1670754	10.466	ppbv	95
32) 1,1,1-Trichloroethane	6.52	97	2300551	9.623	ppbv	100
34) 2-Butanone	5.25	43	1651180	9.264	ppbv	99
35) Carbon Tetrachloride	7.03	117	2371818	9.560	ppbv	98
36) Benzene	6.90	78	3665699	10.023	ppbv	97
37) 1,2-Dichloroethane	6.32	62	1728355	9.609	ppbv	100
38) Trichloroethene	7.84	130	1404468	9.193	ppbv	99
39) 1,2-Dichloropropane	7.62	63	1386125	9.896	ppbv	100
40) 1,4-Dioxane	7.85	88	365096m	10.715	ppbv	
41) Tetrahydrofuran	6.06	42	889711	10.619	ppbv	99
42) Bromodichloromethane	7.80	83	2521563	9.781	ppbv	98
43) Methyl Methacrylate	8.02	69	1340281	11.016	ppbv	100

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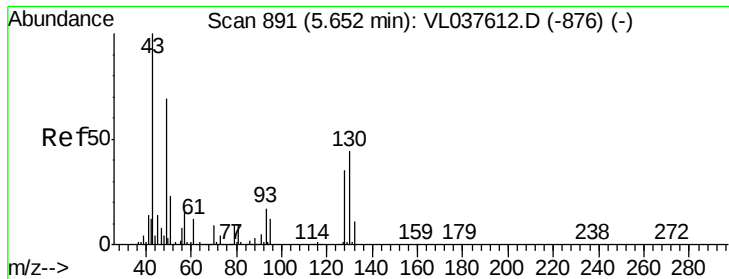
Manual Integrations
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 10/1/2021 11:05:37 AM

Quant Time: Sep 28 03:18:28 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Sep 1
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	6052771	9.845	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1167022	12.212	ppbv	95
46) cis-1,3-Dichloropropene	8.71	75	1514257	11.730	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1435060	9.261	ppbv	96
48) Dibromochloromethane	10.31	129	2232456	10.327	ppbv	99
49) Bromoform	13.05	173	1718084	9.931	ppbv	95
50) 4-Methyl-2-Pentanone	8.75	43	2408339	10.646	ppbv	98
51) 2-Hexanone	10.15	43	1106539	11.087	ppbv	97
52) Tetrachloroethene	11.23	164	1327922	9.458	ppbv	99
53) Toluene	9.82	91	4217352	10.375	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2044109	9.634	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1521616	9.041	ppbv #	93
57) Chlorobenzene	12.16	112	2978205	8.829	ppbv	99
58) Ethyl Benzene	12.72	91	5248858	9.745	ppbv	100
59) m/p-Xylene	13.00	91	8579615m	18.278	ppbv	
60) o-Xylene	13.70	91	4028378	9.017	ppbv	98
61) Styrene	13.54	104	2304185	10.459	ppbv	98
62) Isopropylbenzene	14.68	105	5708800	9.147	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2812681	8.044	ppbv	99
64) n-propylbenzene	15.57	120	1488427	9.242	ppbv	88
65) tert-Butylbenzene	16.75	119	4942104	8.782	ppbv	99
66) Benzyl Chloride	16.99	91	302243	9.829	ppbv #	97
67) sec-Butylbenzene	17.30	105	6858925	8.984	ppbv	99
69) p-Isopropyltoluene	17.66	119	5749161	9.217	ppbv	99
70) n-Butylbenzene	18.56	91	5637658	9.553	ppbv	99
71) 2-Chlorotoluene	15.46	91	4082902	9.128	ppbv	98
72) 4-Ethyltoluene	15.85	105	4659212	9.085	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4315392	9.027	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	4480379	8.898	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	2735110	8.743	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2643259	8.567	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2633825	8.877	ppbv	98
78) Hexachloro-1,3-Butadiene	23.38	225	2151736	8.616	ppbv	99
79) Naphthalene	22.20	128	3786031	12.246	ppbv	98
80) Naphthalene,2-methyl-	24.97	142	1058950	14.986	ppbv	98
81) 1,2,4-Trichlorobenzene	21.93	180	2202662	11.097	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.03 min

Lab File: VL037697.D

Acq: 28 Sep 2021 1:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 49 Resp: 1471128

Ion Ratio Lower Upper

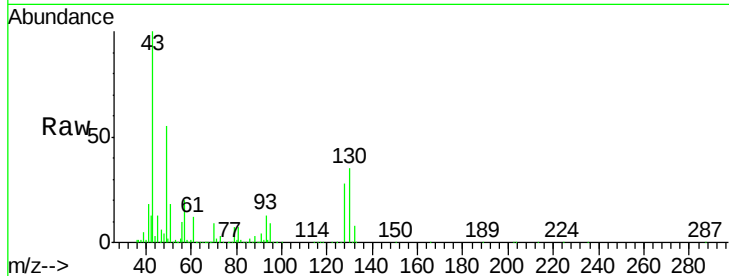
49 100

128 53.8 27.9 83.6

130 66.4 33.9 101.7

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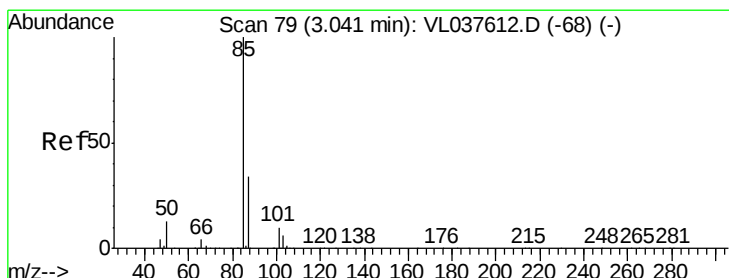
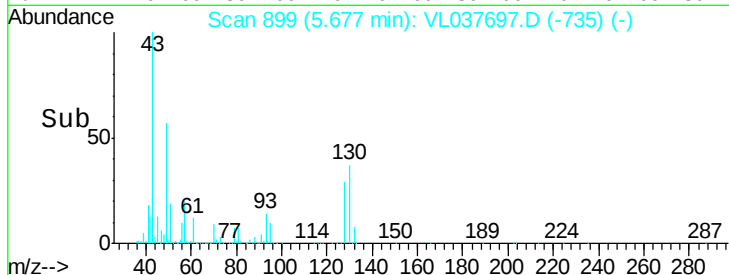
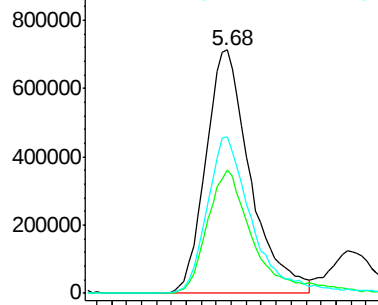
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 6.995 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.02 min

Lab File: VL037697.D

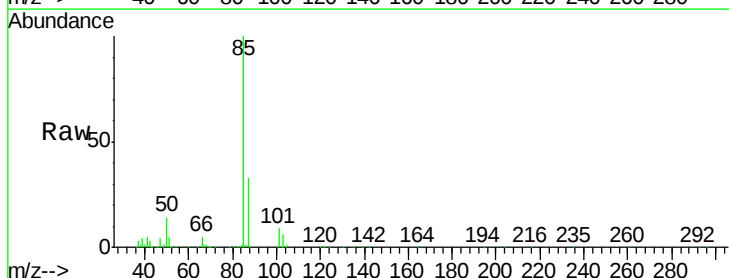
Acq: 28 Sep 2021 1:40

Tgt Ion: 85 Resp: 1862040

Ion Ratio Lower Upper

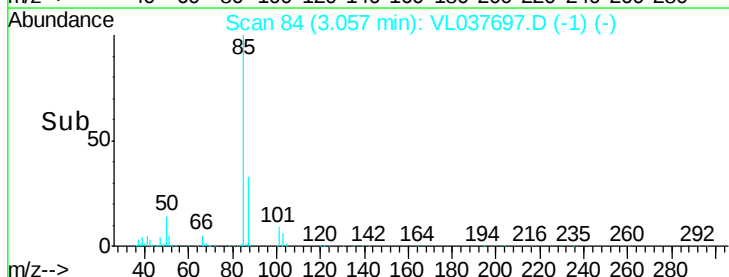
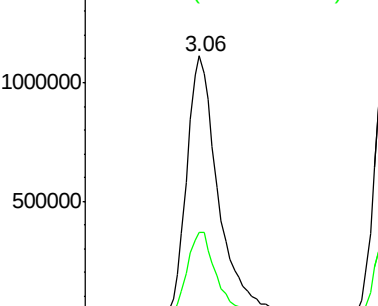
85 100

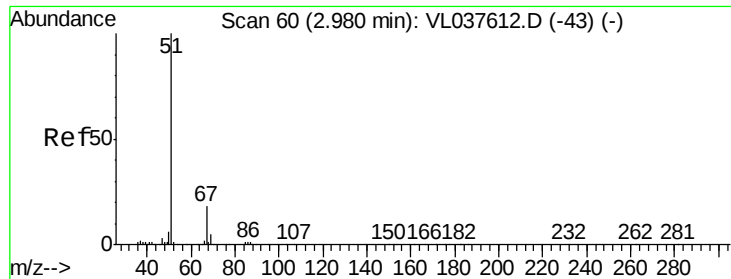
87 33.3 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.324 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.02 min

Lab File: VL037697.D

Acq: 28 Sep 2021 1:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 51 Resp: 2587410

Ion Ratio Lower Upper

51 100

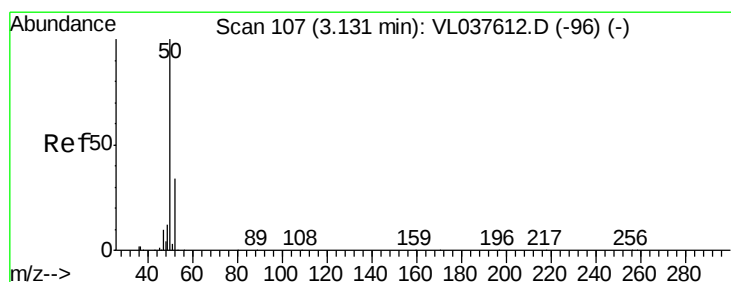
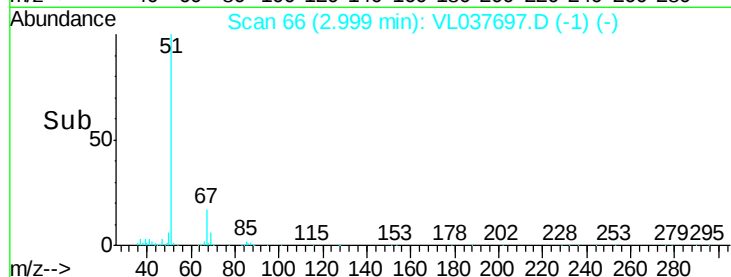
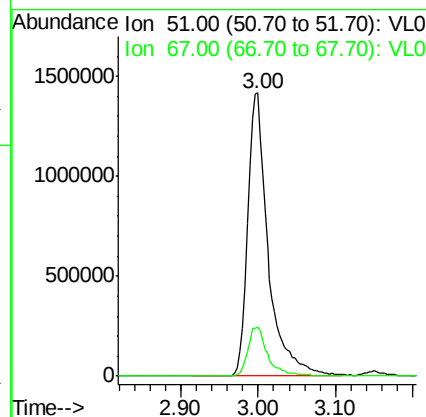
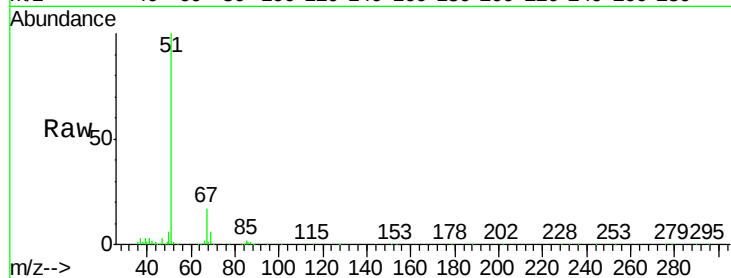
67 17.1 14.0 21.0

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#4

Chloromethane

Concen: 9.562 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.02 min

Lab File: VL037697.D

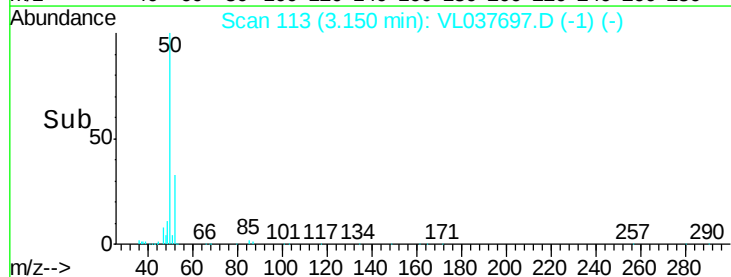
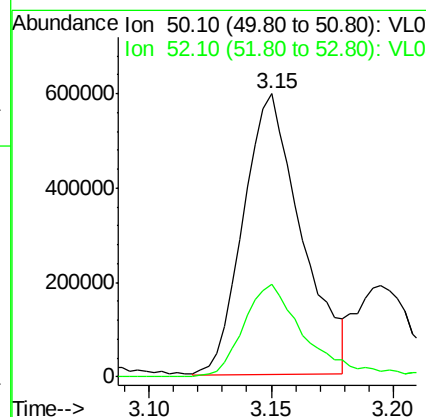
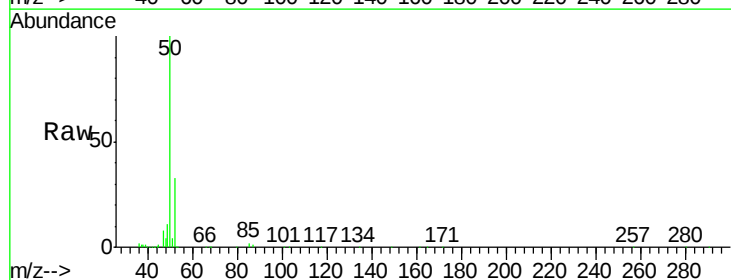
Acq: 28 Sep 2021 1:40

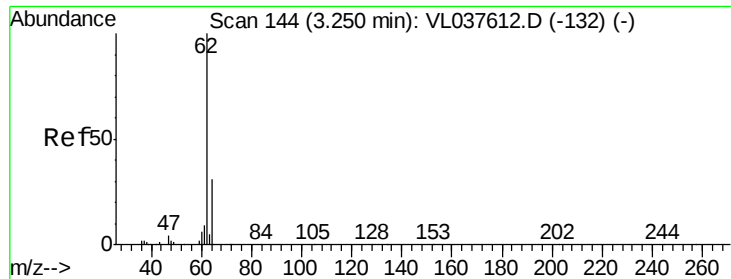
Tgt Ion: 50 Resp: 980329

Ion Ratio Lower Upper

50 100

52 32.6 27.1 40.7





#5

Vinyl Chloride

Concen: 10.426 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.02 min

Lab File: VL037697.D

Acq: 28 Sep 2021 1:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 62 Resp: 1004017

Ion Ratio Lower Upper

62 100

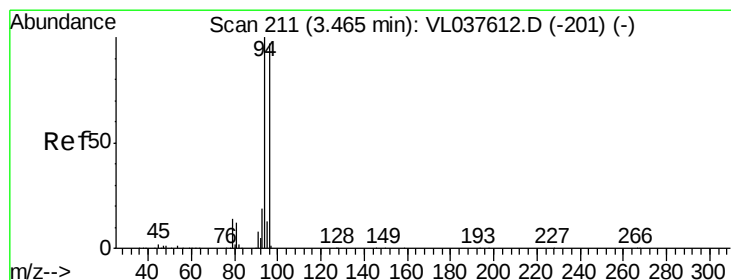
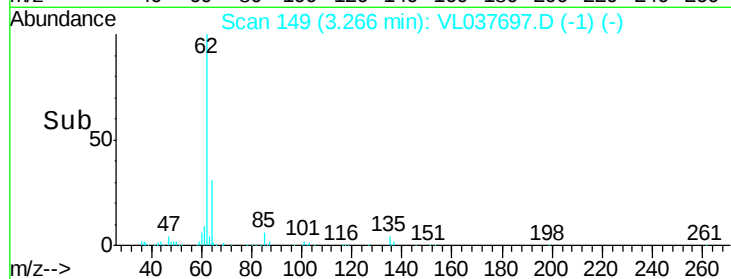
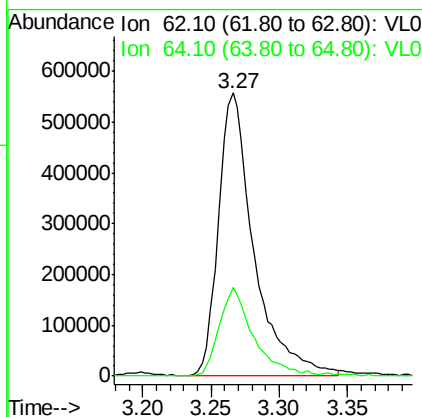
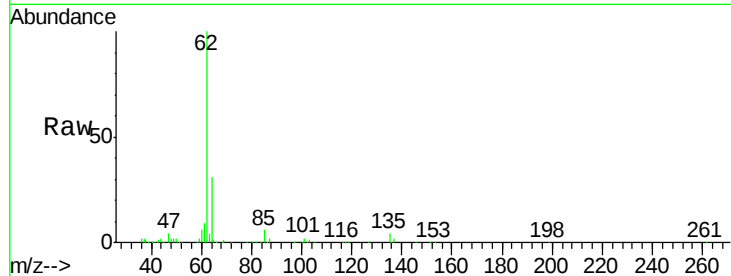
64 31.4 24.9 37.3

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#6

Bromomethane

Concen: 9.331 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.02 min

Lab File: VL037697.D

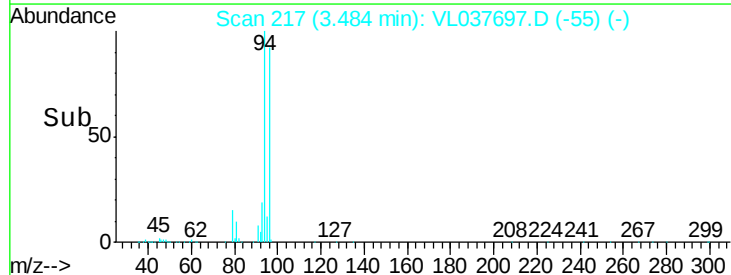
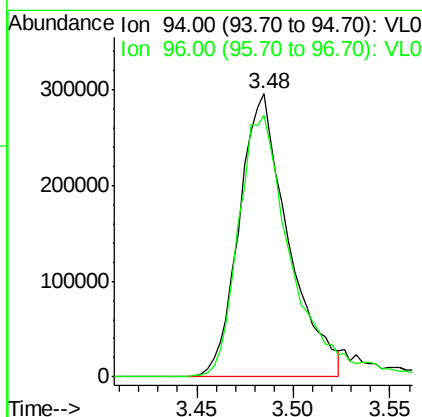
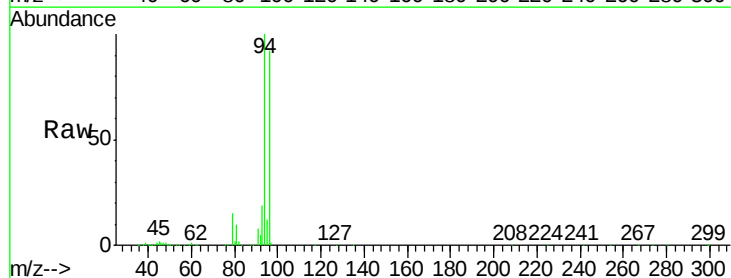
Acq: 28 Sep 2021 1:40

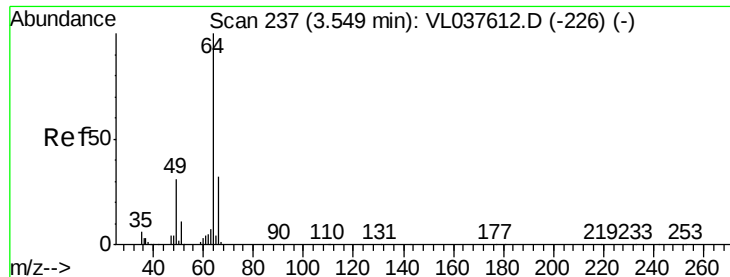
Tgt Ion: 94 Resp: 522239

Ion Ratio Lower Upper

94 100

96 92.2 77.3 115.9





#7

Chloroethane

Concen: 9.674 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.02 min

Lab File: VL037697.D

Acq: 28 Sep 2021 1:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 64 Resp: 348160

Ion Ratio Lower Upper

64 100

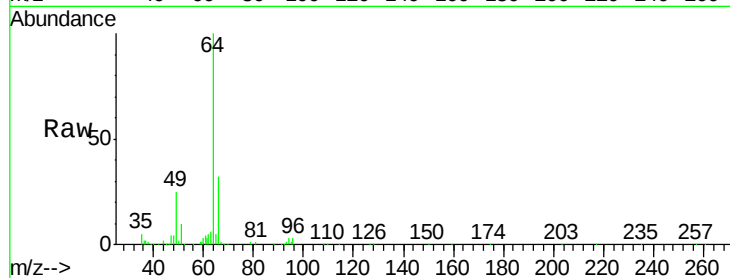
66 31.8 25.3 37.9

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

200000

150000

100000

50000

0

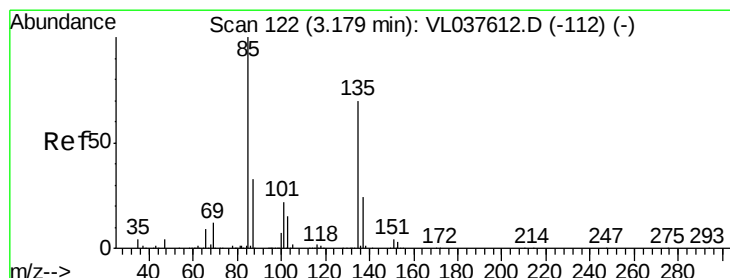
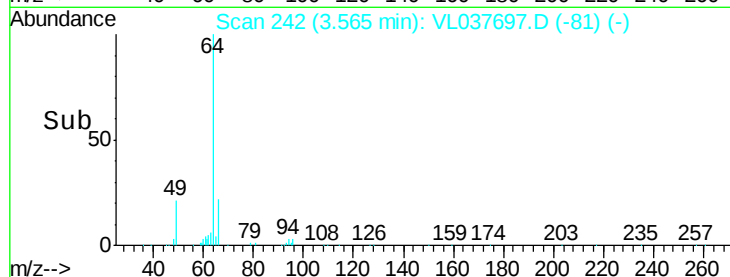
3.50

3.55

3.60

3.65

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.760 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.02 min

Lab File: VL037697.D

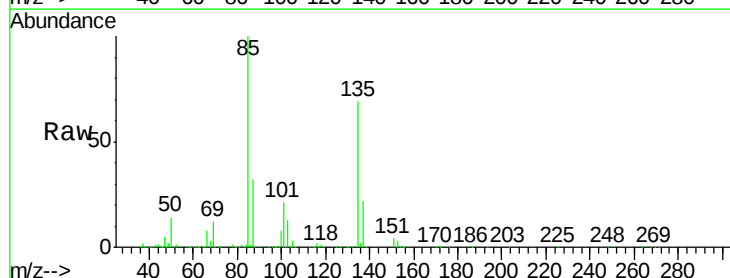
Acq: 28 Sep 2021 1:40

Tgt Ion: 85 Resp: 2241382

Ion Ratio Lower Upper

85 100

135 73.3 59.3 88.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1500000

1000000

500000

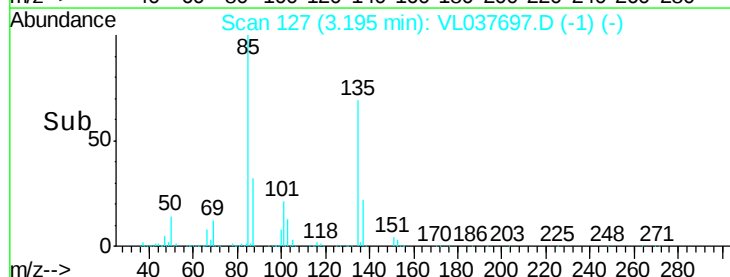
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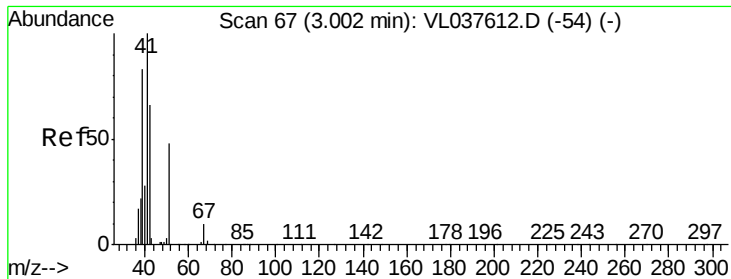
3.10

3.20

3.30

Time-->





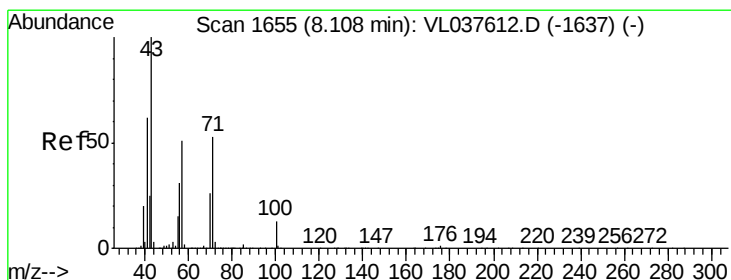
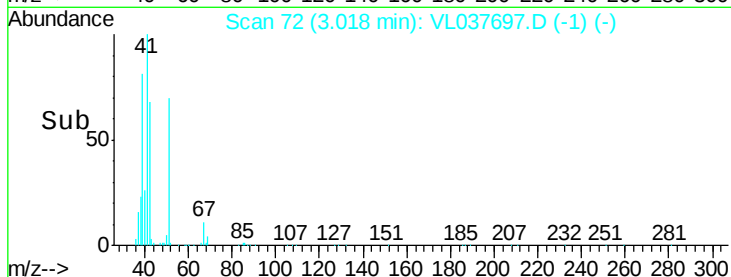
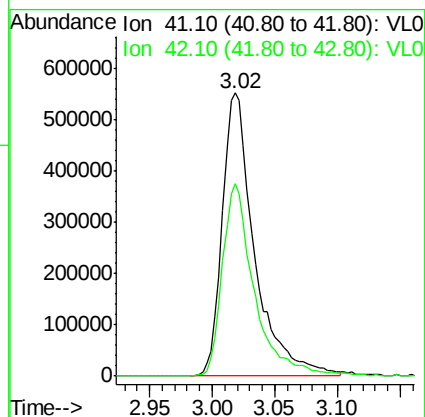
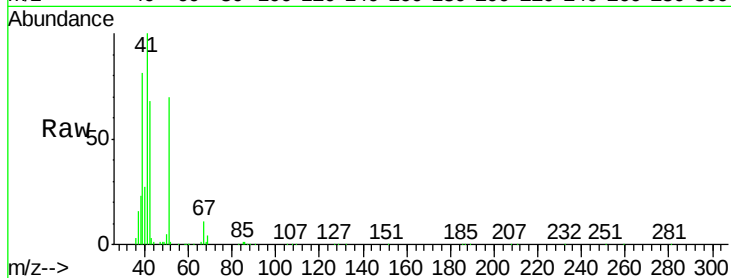
#9
 Propene
 Concen: 10.088 ppbv
 RT: 3.02 min Scan# 72
 Delta R.T. 0.02 min
 Lab File: VL037697.D
 Acq: 28 Sep 2021 1:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 41 Resp: 987408
 Ion Ratio Lower Upper
 41 100
 42 67.5 57.2 85.8

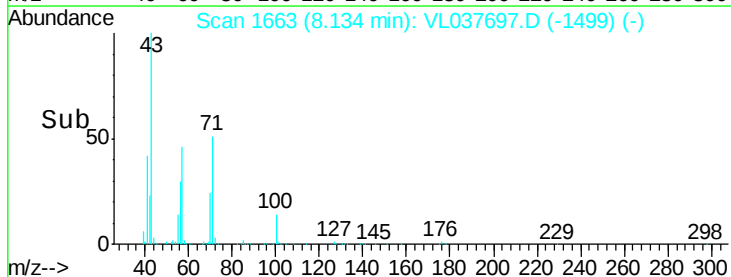
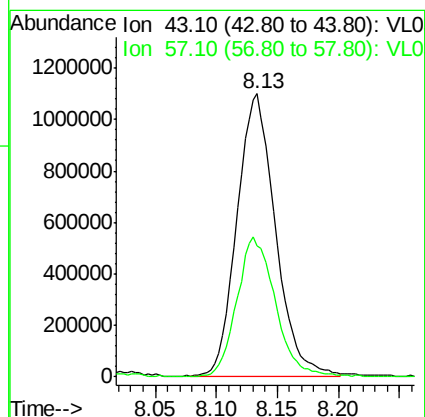
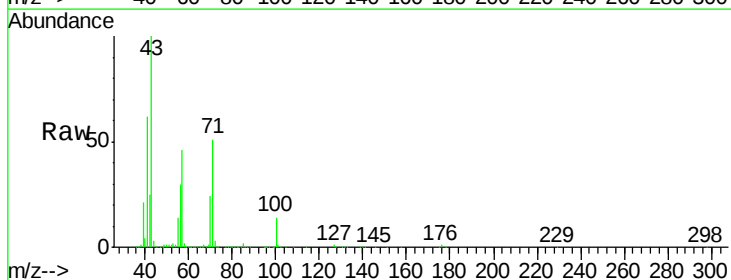
Manual Integrations
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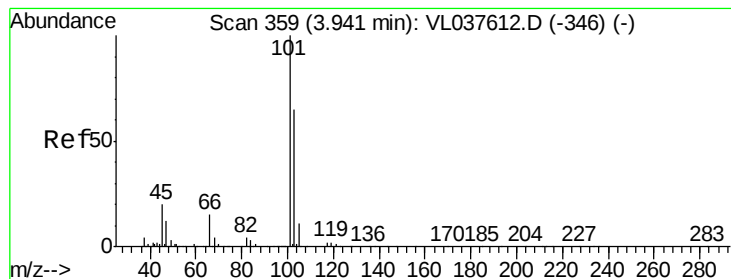
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#10
 Heptane
 Concen: 10.486 ppbv
 RT: 8.13 min Scan# 1663
 Delta R.T. 0.03 min
 Lab File: VL037697.D
 Acq: 28 Sep 2021 1:40

Tgt Ion: 43 Resp: 2394956
 Ion Ratio Lower Upper
 43 100
 57 49.6 40.1 60.1





#11

Trichlorofluoromethane

Concen: 9.369 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.02 min

Lab File: VL037697.D

Acq: 28 Sep 2021 1:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:101 Resp: 2002382

Ion Ratio Lower Upper

101 100

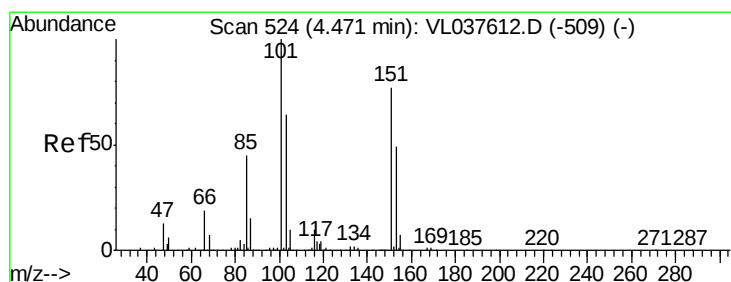
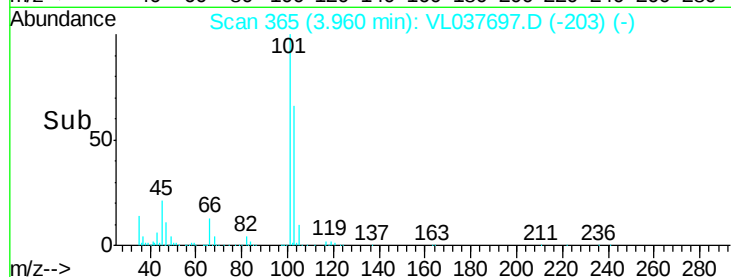
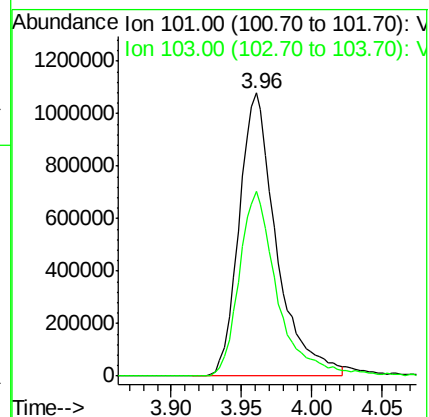
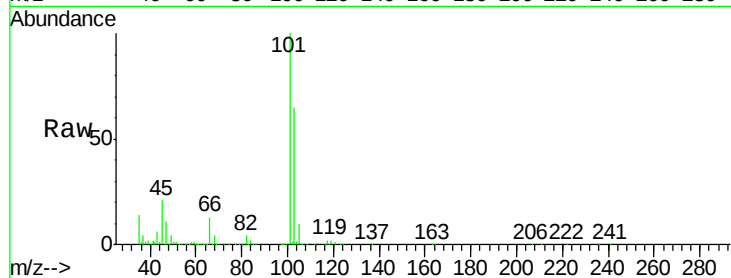
103 65.5 51.9 77.9

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.374 ppbv

RT: 4.49 min Scan# 530

Delta R.T. 0.02 min

Lab File: VL037697.D

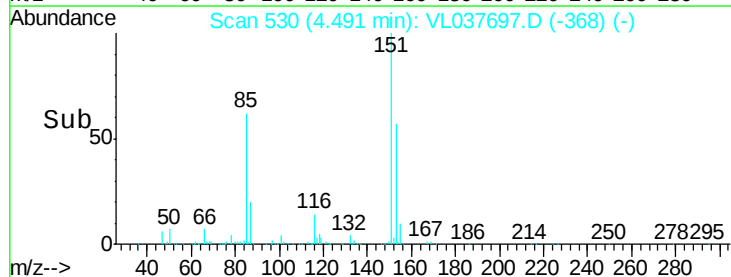
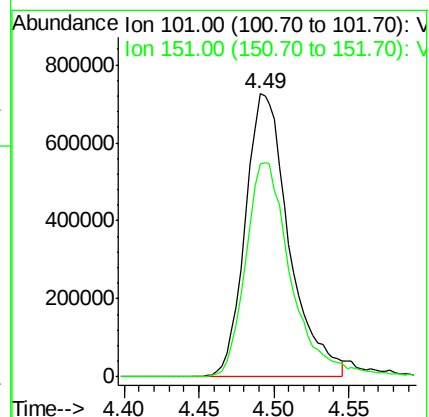
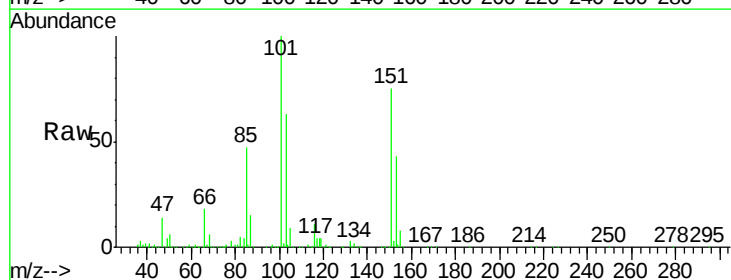
Acq: 28 Sep 2021 1:40

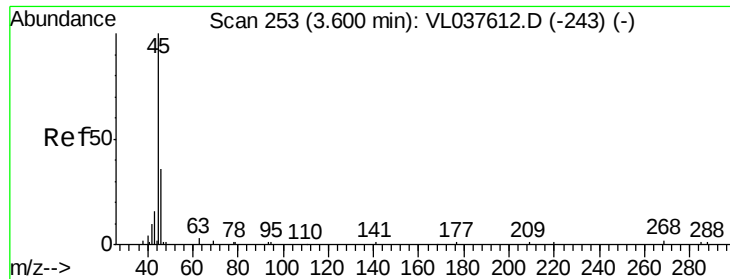
Tgt Ion:101 Resp: 1478749

Ion Ratio Lower Upper

101 100

151 79.6 63.5 95.3





#13

Ethanol

Concen: 11.171 ppbv m

RT: 3.62 min Scan# 259

Delta R.T. 0.02 min

Lab File: VL037697.D

Acq: 28 Sep 2021 1:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 45 Resp: 106949

Ion Ratio Lower Upper

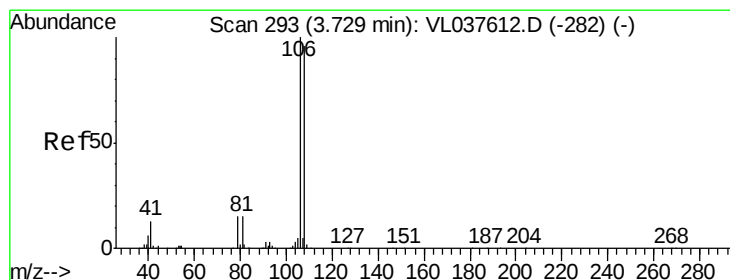
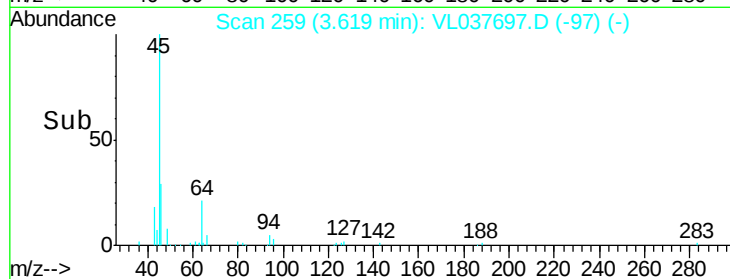
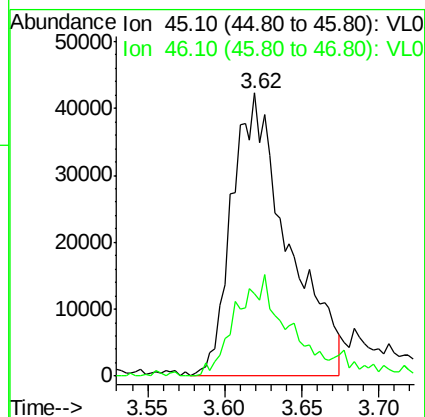
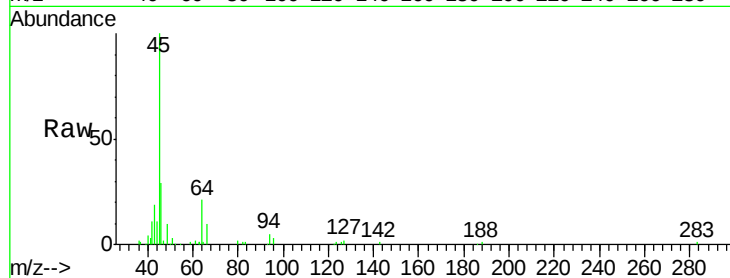
45 100

46 0.0 17.2 68.8#

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#14

Bromoethene

Concen: 9.624 ppbv

RT: 3.75 min Scan# 299

Delta R.T. 0.02 min

Lab File: VL037697.D

Acq: 28 Sep 2021 1:40

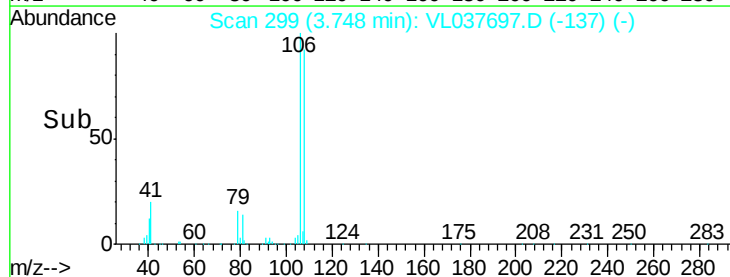
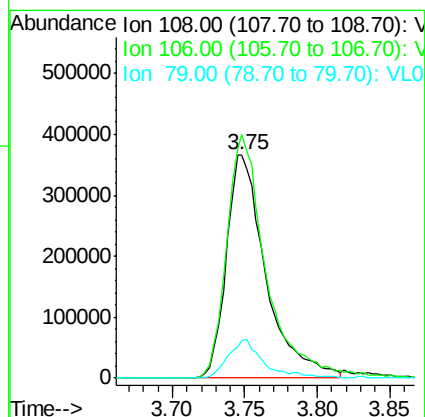
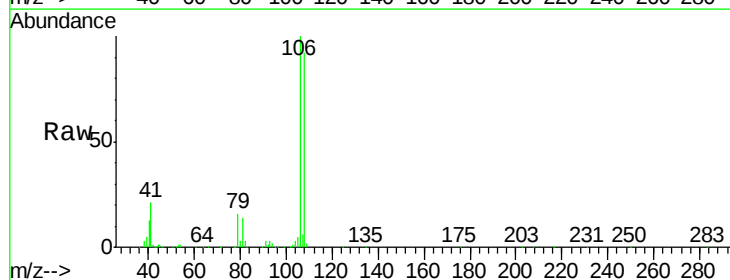
Tgt Ion: 108 Resp: 691117

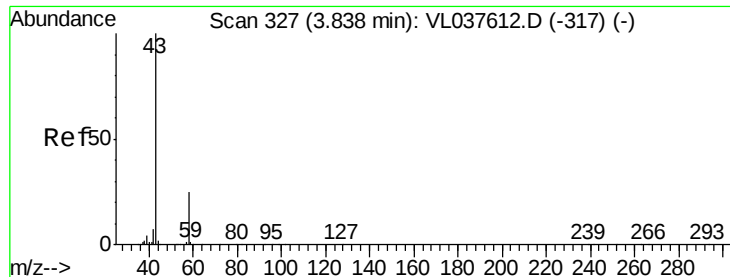
Ion Ratio Lower Upper

108 100

106 110.6 88.2 132.4

79 16.0 12.8 19.2





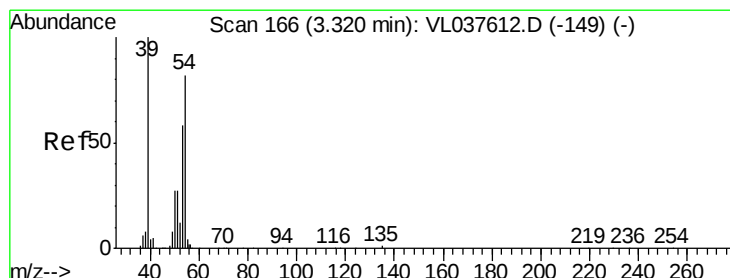
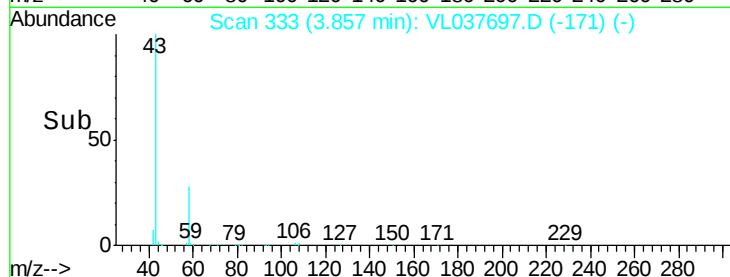
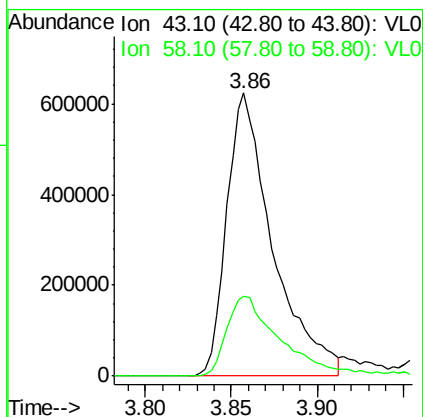
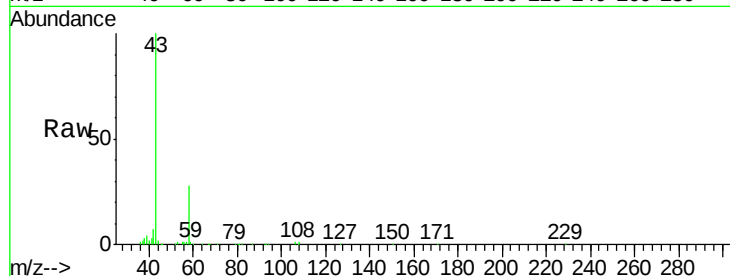
#15
Acetone
Concen: 7.591 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.02 min
Lab File: VL037697.D
Acq: 28 Sep 2021 1:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 1160277
Ion Ratio Lower Upper
43 100
58 33.1 24.9 37.3

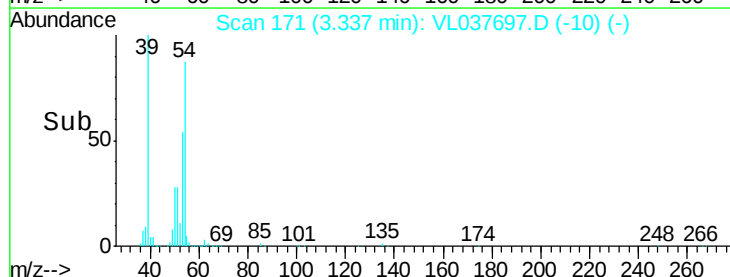
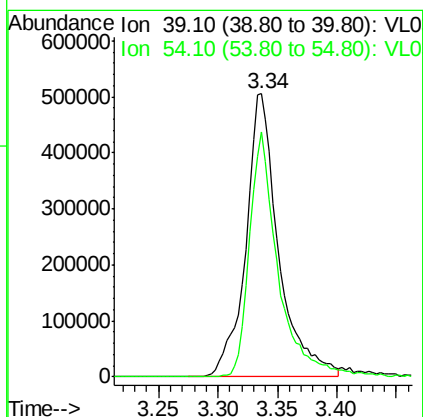
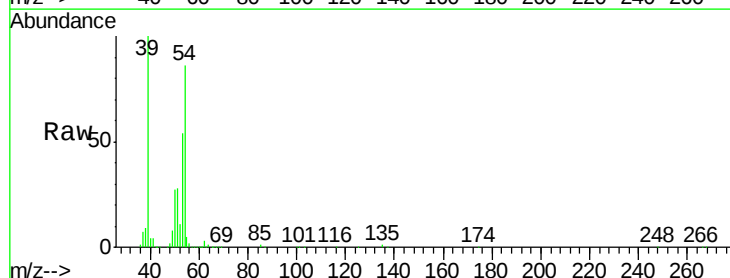
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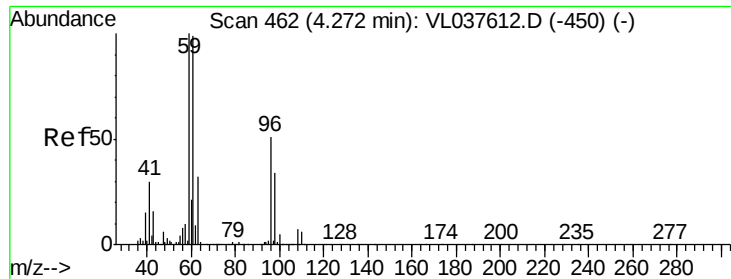
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#16
1,3-Butadiene
Concen: 10.119 ppbv
RT: 3.34 min Scan# 171
Delta R.T. 0.02 min
Lab File: VL037697.D
Acq: 28 Sep 2021 1:40

Tgt Ion: 39 Resp: 966494
Ion Ratio Lower Upper
39 100
54 76.8 62.6 93.8





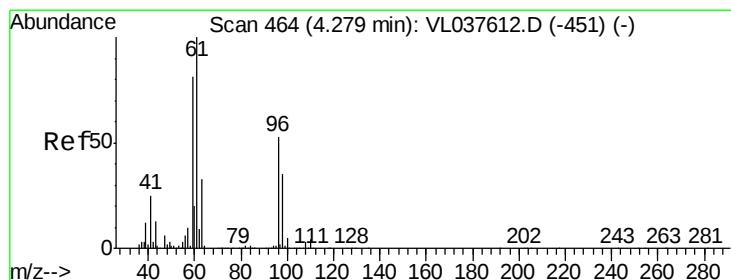
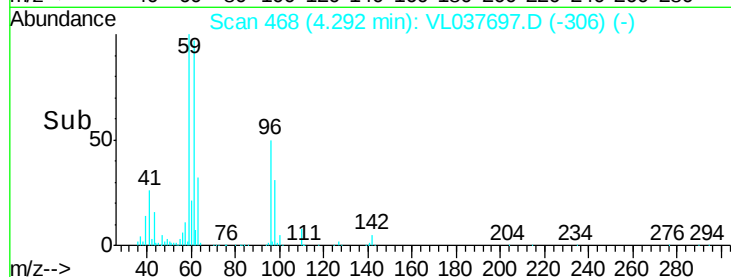
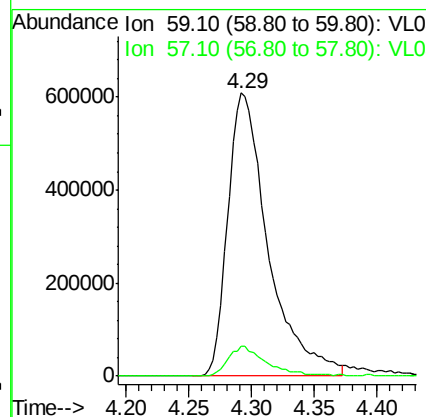
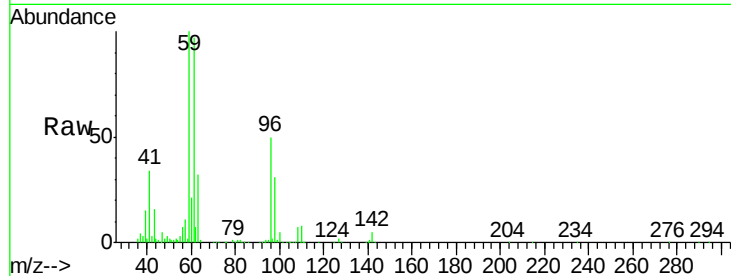
#17
 tert-Butyl alcohol
 Concen: 10.526 ppbv
 RT: 4.29 min Scan# 468
 Delta R.T. 0.02 min
 Lab File: VL037697.D
 Acq: 28 Sep 2021 1:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 59 Resp: 1364349
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.4 12.6

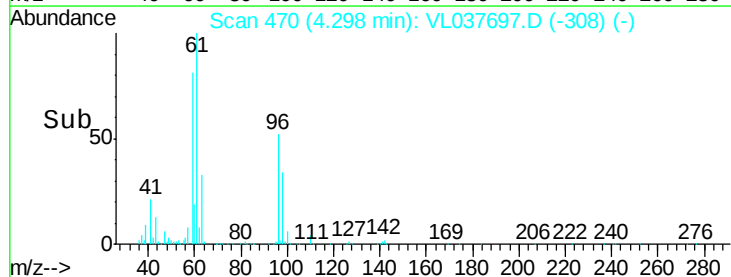
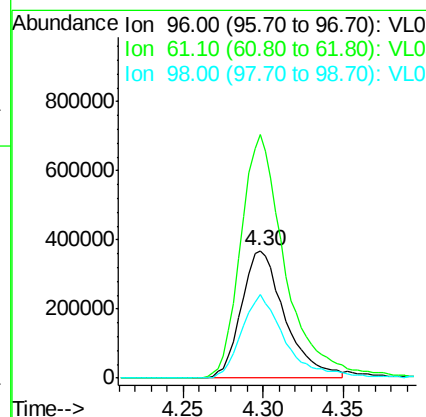
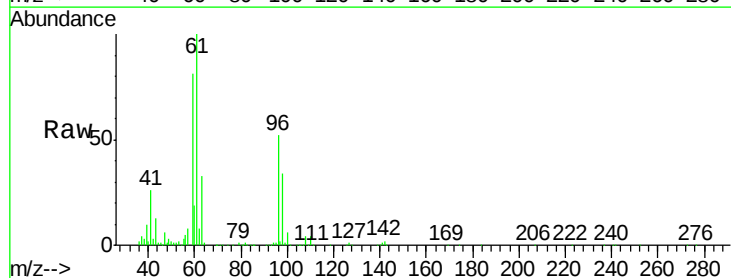
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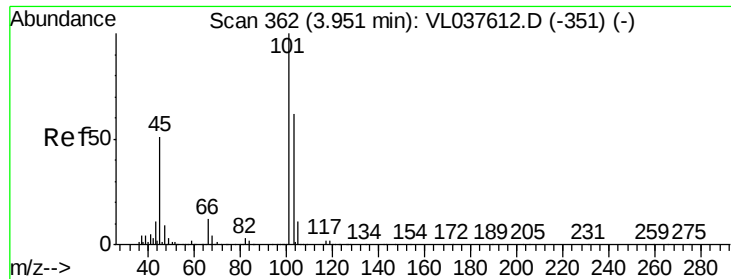
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#18
 1,1-Dichloroethene
 Concen: 9.336 ppbv
 RT: 4.30 min Scan# 470
 Delta R.T. 0.02 min
 Lab File: VL037697.D
 Acq: 28 Sep 2021 1:40

Tgt Ion: 96 Resp: 686090
 Ion Ratio Lower Upper
 96 100
 61 190.8 150.4 225.6
 98 65.5 52.1 78.1





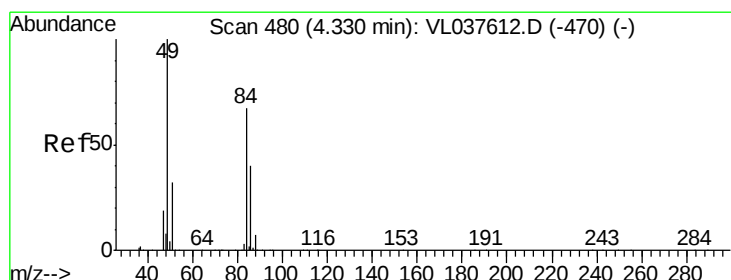
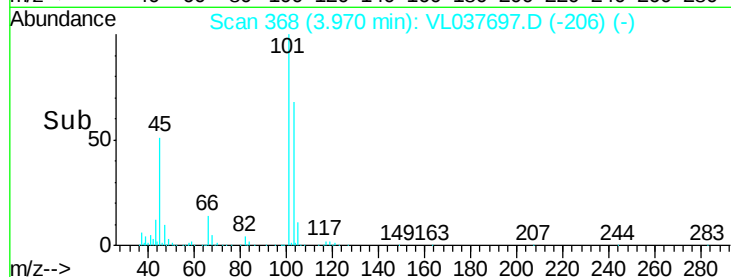
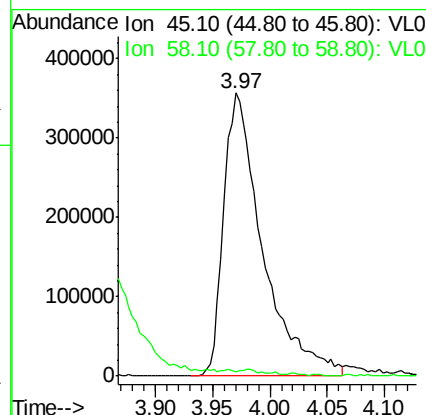
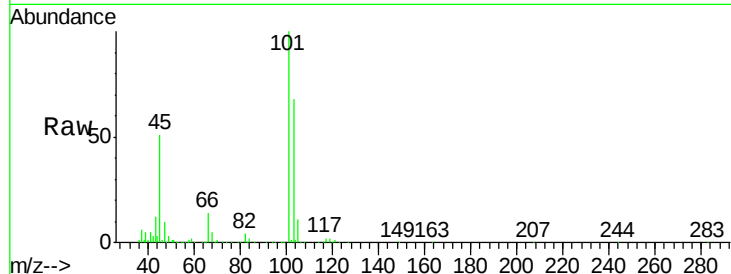
#19
Isopropyl Alcohol
Concen: 10.201 ppbv
RT: 3.97 min Scan# 368
Delta R.T. 0.02 min
Lab File: VL037697.D
Acq: 28 Sep 2021 1:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 848391
Ion Ratio Lower Upper
45 100
58 0.0 2.9 4.3#

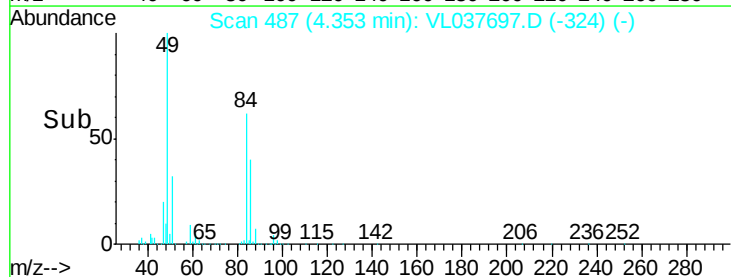
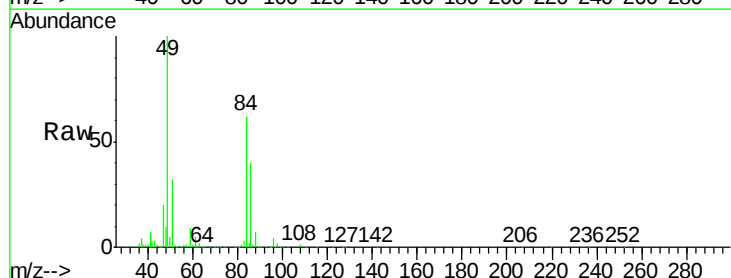
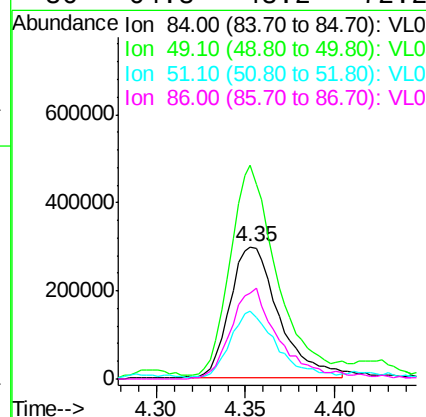
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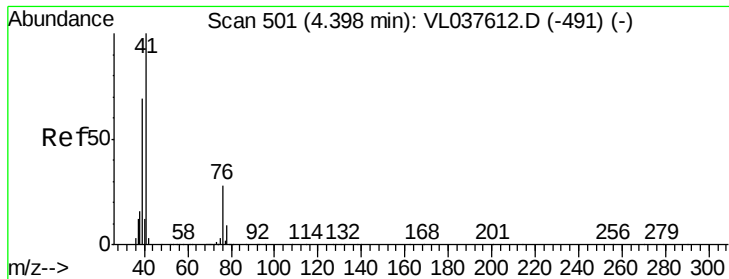
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#20
Methylene Chloride
Concen: 7.864 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.02 min
Lab File: VL037697.D
Acq: 28 Sep 2021 1:40

Tgt Ion: 84 Resp: 573876
Ion Ratio Lower Upper
84 100
49 159.3 120.0 180.0
51 50.1 38.0 57.0
86 64.8 48.2 72.2





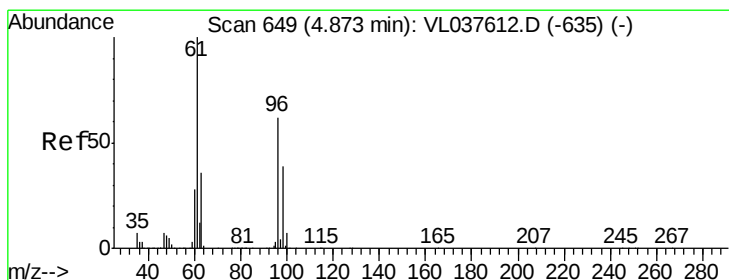
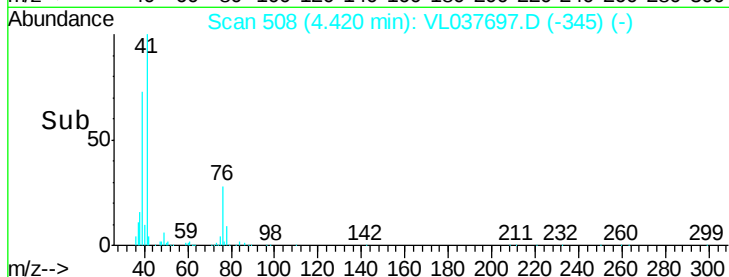
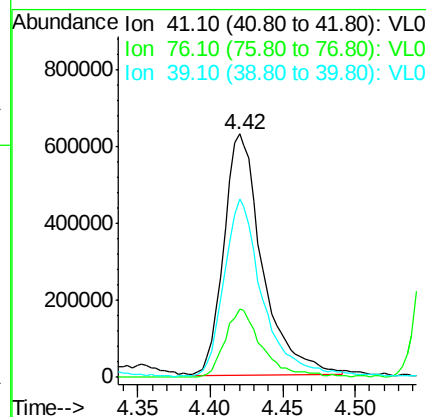
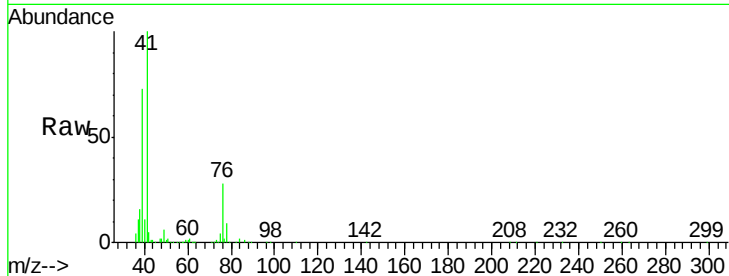
#21
 Allyl Chloride
 Concen: 10.182 ppbv
 RT: 4.42 min Scan# 508
 Delta R.T. 0.02 min
 Lab File: VL037697.D
 Acq: 28 Sep 2021 1:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 41 Resp: 1162705
 Ion Ratio Lower Upper
 41 100
 76 27.4 23.1 34.7
 39 73.3 61.0 91.6

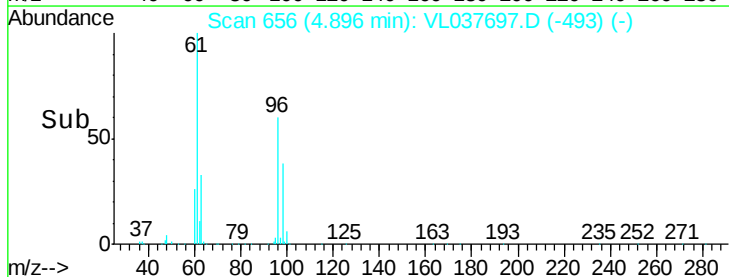
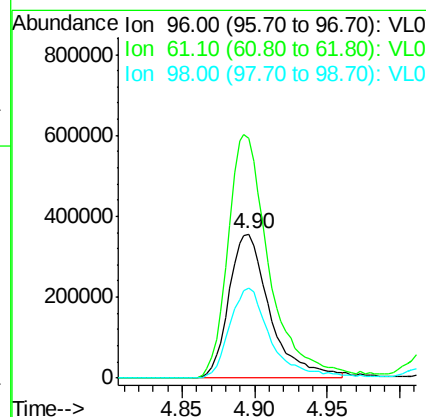
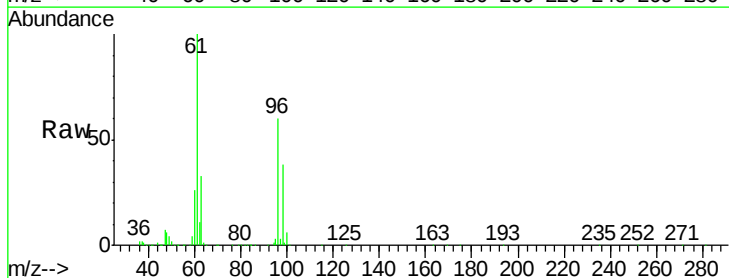
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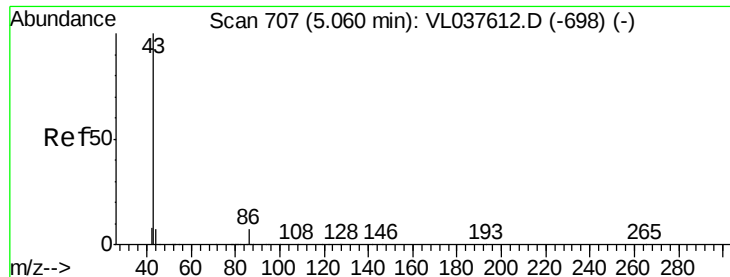
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#22
 trans-1,2-Dichloroethene
 Concen: 9.408 ppbv
 RT: 4.90 min Scan# 656
 Delta R.T. 0.02 min
 Lab File: VL037697.D
 Acq: 28 Sep 2021 1:40

Tgt Ion: 96 Resp: 695612
 Ion Ratio Lower Upper
 96 100
 61 166.7 129.2 193.8
 98 62.5 50.4 75.6





#23

Vinyl Acetate

Concen: 11.555 ppbv

RT: 5.08 min Scan# 713

Delta R.T. 0.02 min

Lab File: VL037697.D

Acq: 28 Sep 2021 1:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2443920

Ion Ratio Lower Upper

43 100

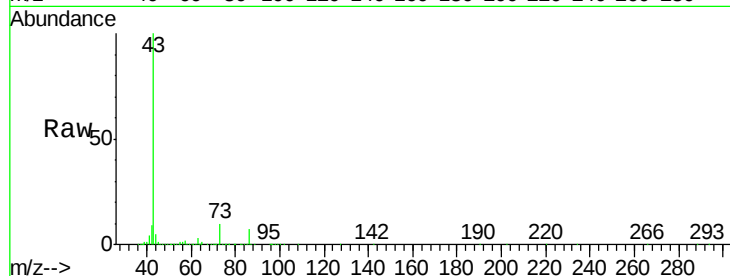
86 7.4 5.0 7.6

42 8.3 7.5 11.3

44 4.6 4.7 7.1#

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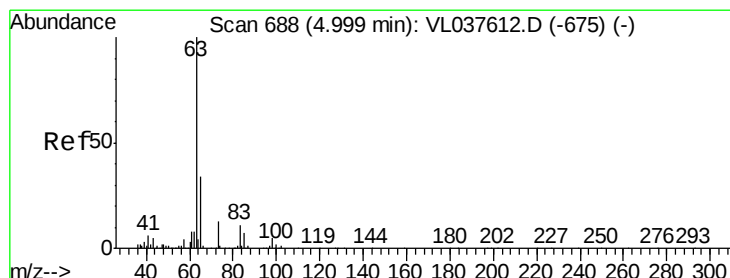
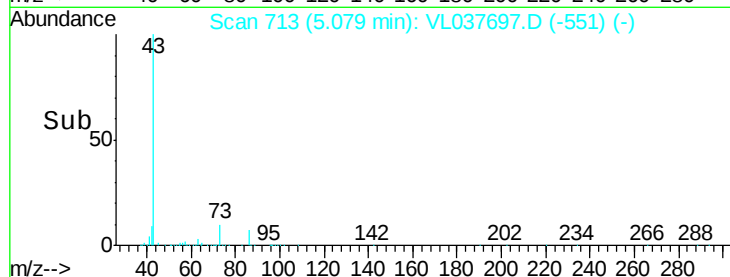
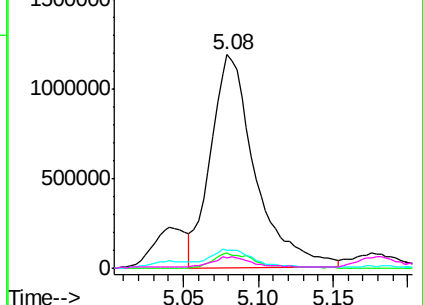


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.857 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.02 min

Lab File: VL037697.D

Acq: 28 Sep 2021 1:40

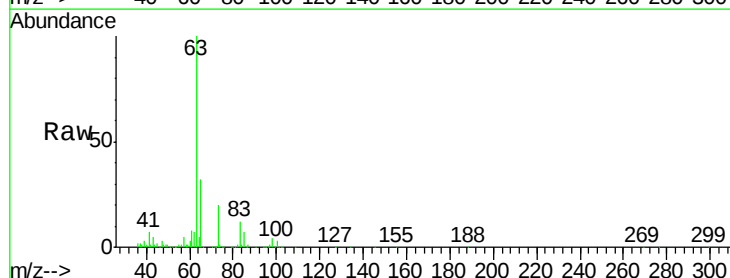
Tgt Ion: 63 Resp: 1645001

Ion Ratio Lower Upper

63 100

98 4.2 2.4 7.2

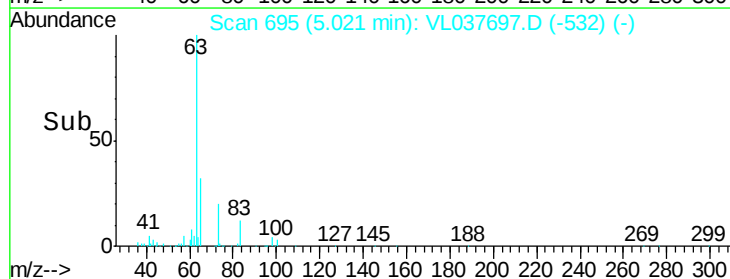
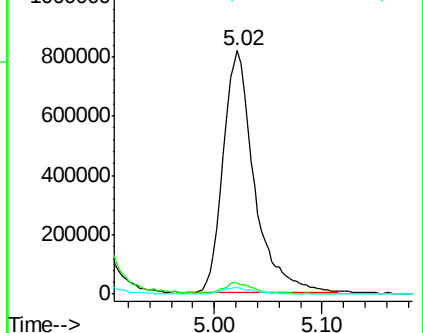
100 3.0 1.1 3.5

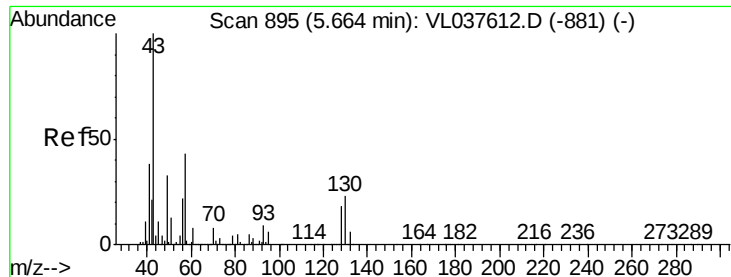


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





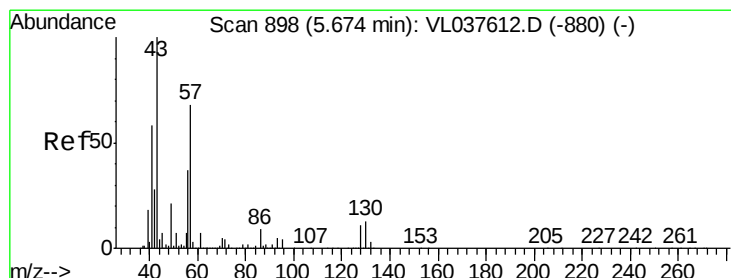
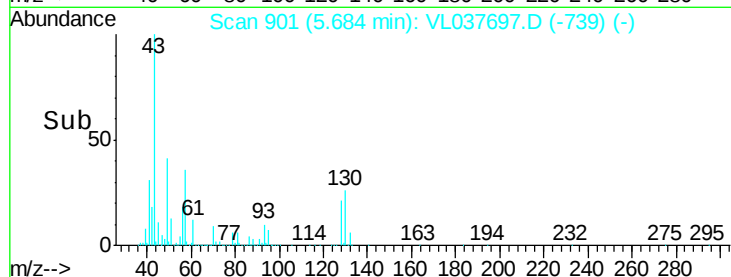
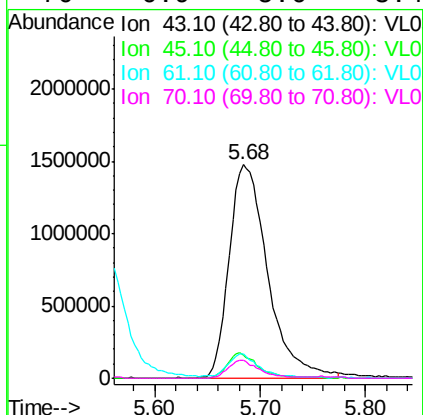
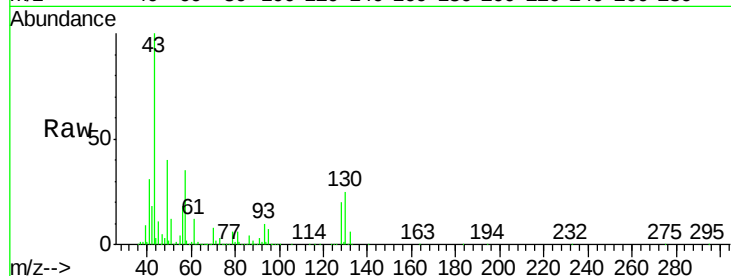
#25
Ethyl Acetate
Concen: 10.076 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.02 min
Lab File: VL037697.D
Acq: 28 Sep 2021 1:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.0	12.0
61	9.5	7.5	11.3
70	6.9	5.6	8.4

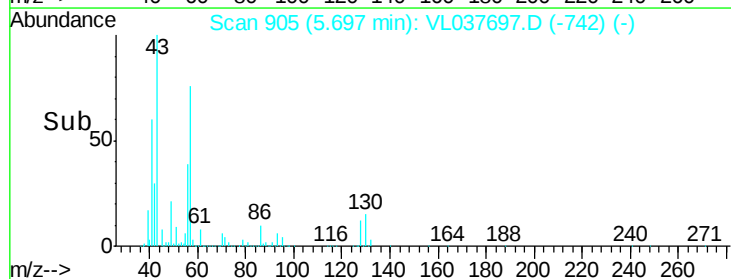
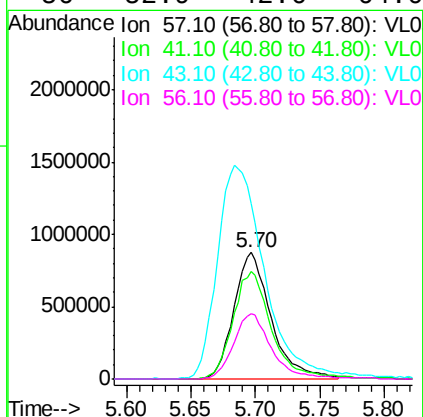
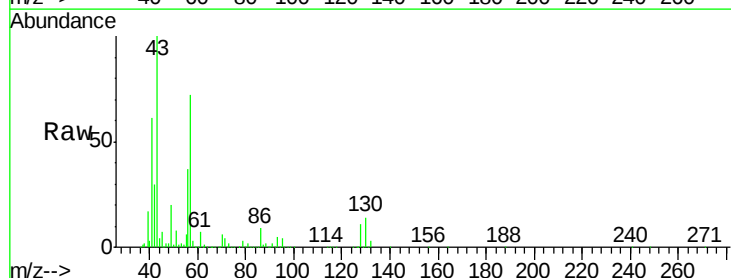
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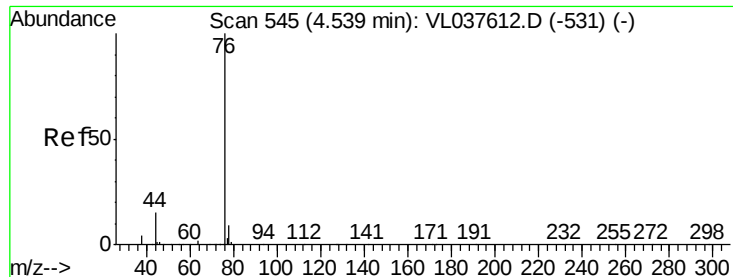
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#26
Hexane
Concen: 9.995 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.02 min
Lab File: VL037697.D
Acq: 28 Sep 2021 1:40

Tgt Ion	Ratio	Lower	Upper
57	100		
41	88.9	70.9	106.3
43	215.4	170.4	255.6
56	52.9	42.6	64.0





#27

Carbon Disulfide

Concen: 10.131 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.02 min

Lab File: VL037697.D

Acq: 28 Sep 2021 1:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 76 Resp: 1629789

Ion Ratio Lower Upper

76 100

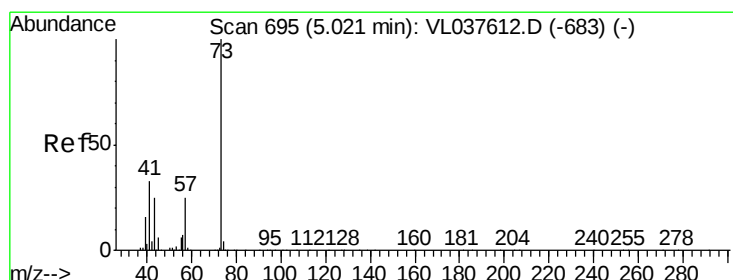
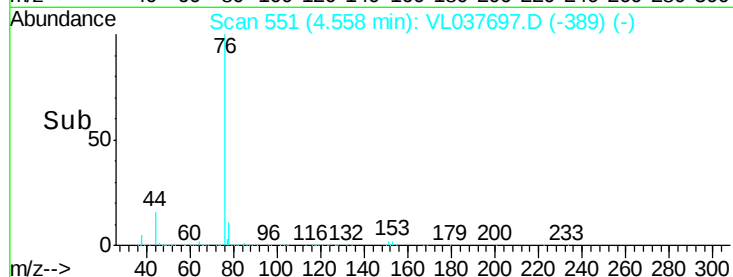
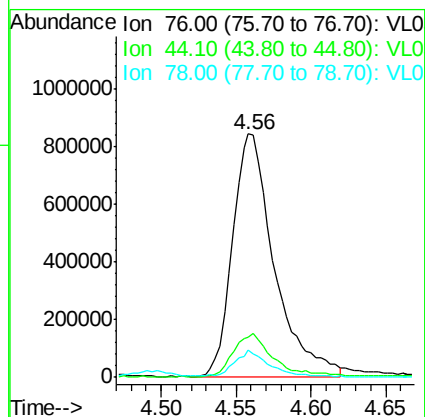
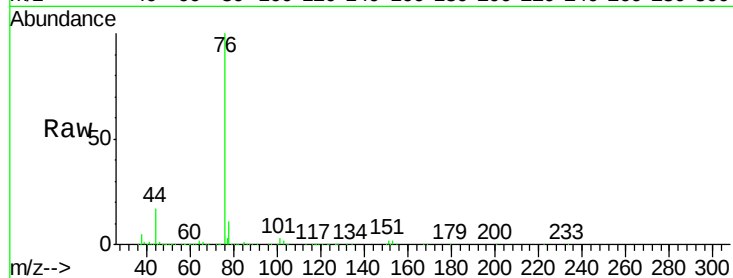
44 17.7 14.2 21.2

78 9.9 7.4 11.0

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#28

Methyl tert-Butyl Ether

Concen: 12.420 ppbv

RT: 5.04 min Scan# 701

Delta R.T. 0.02 min

Lab File: VL037697.D

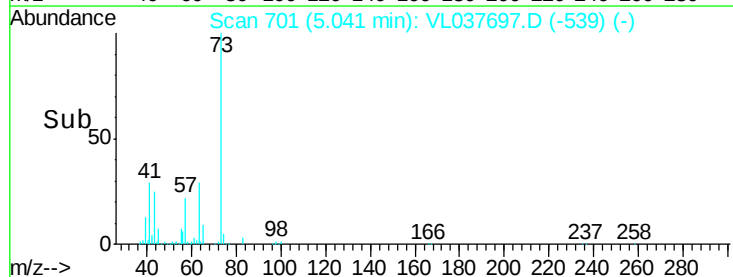
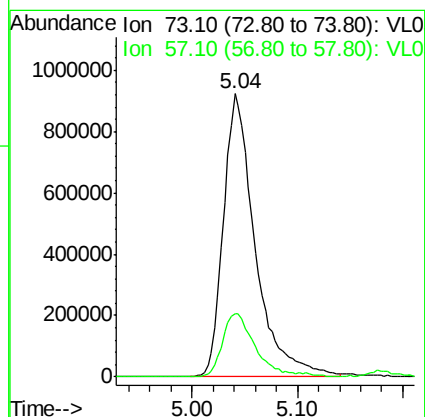
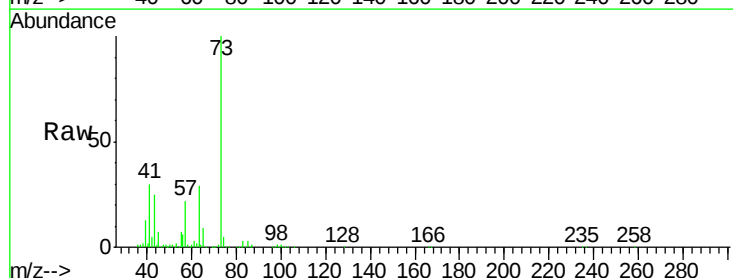
Acq: 28 Sep 2021 1:40

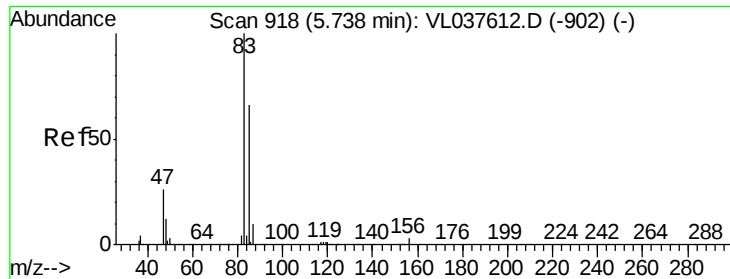
Tgt Ion: 73 Resp: 1923736

Ion Ratio Lower Upper

73 100

57 23.6 20.1 30.1





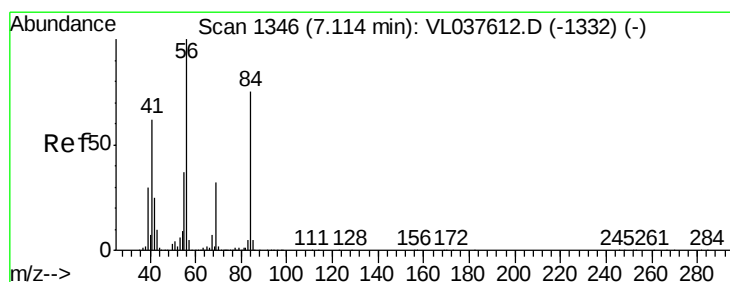
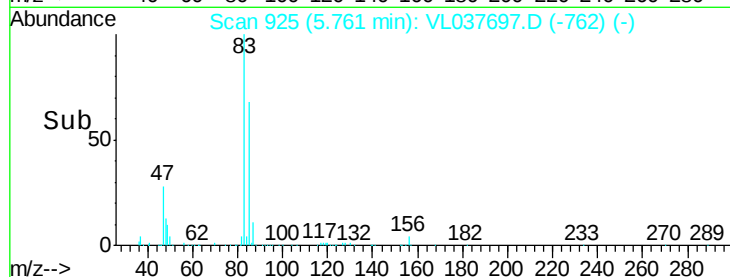
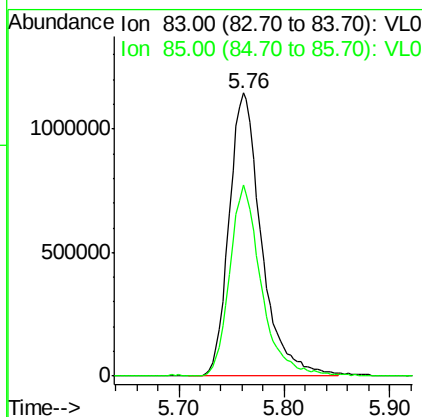
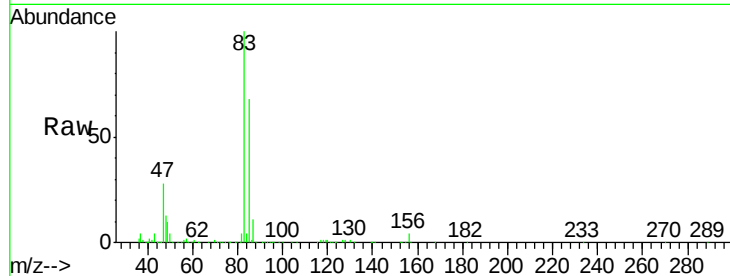
#29
Chloroform
Concen: 9.496 ppbv
RT: 5.76 min Scan# 925
Delta R.T. 0.02 min
Lab File: VL037697.D
Acq: 28 Sep 2021 1:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 2438398
Ion Ratio Lower Upper
83 100
85 67.3 52.6 79.0

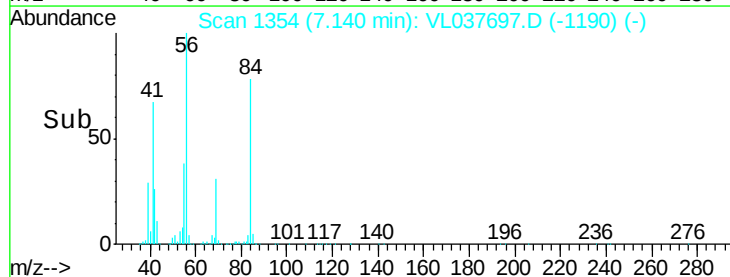
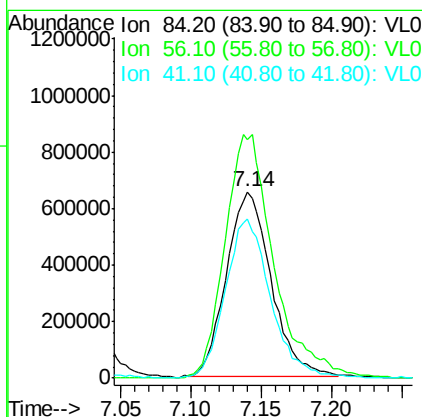
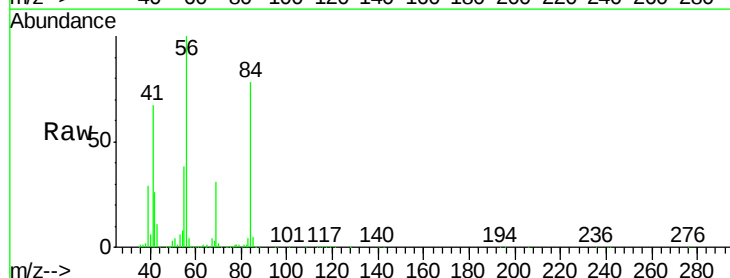
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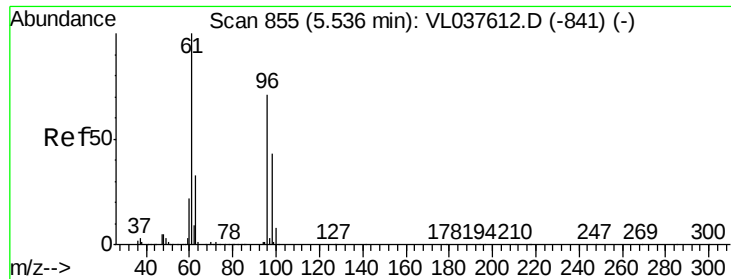
MMDadoda
10/1/2021 11:05:37 AM



#30
Cyclohexane
Concen: 9.625 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.03 min
Lab File: VL037697.D
Acq: 28 Sep 2021 1:40

Tgt Ion: 84 Resp: 1447590
Ion Ratio Lower Upper
84 100
56 145.3 113.6 170.4
41 87.0 67.9 101.9





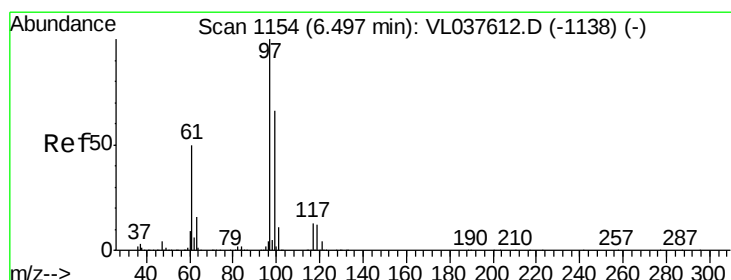
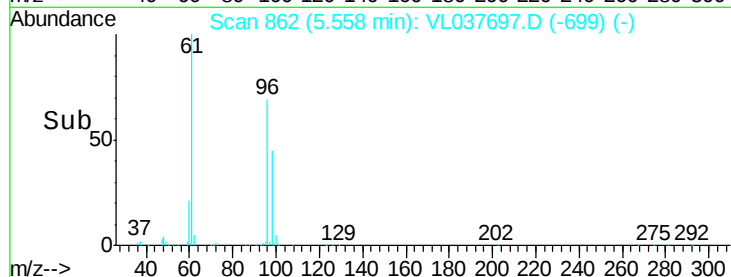
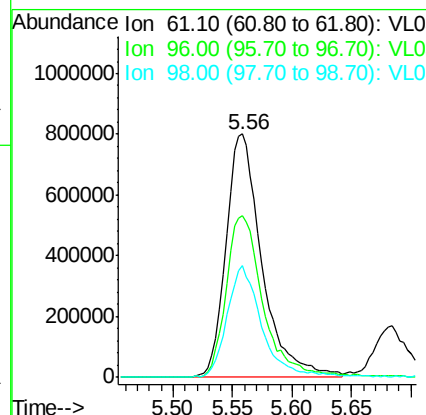
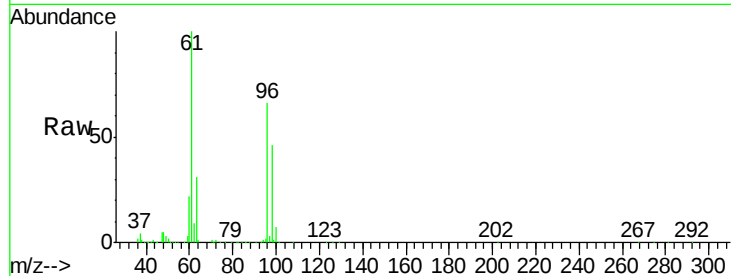
#31
 cis-1,2-Dichloroethene
 Concen: 10.466 ppbv
 RT: 5.56 min Scan# 862
 Delta R.T. 0.02 min
 Lab File: VL037697.D
 Acq: 28 Sep 2021 1:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 61 Resp: 1670754
 Ion Ratio Lower Upper
 61 100
 96 66.5 56.7 85.1
 98 45.8 34.6 52.0

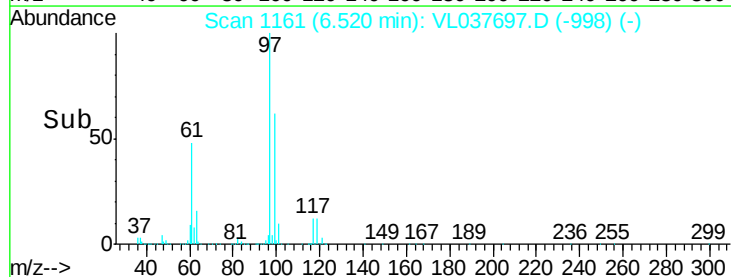
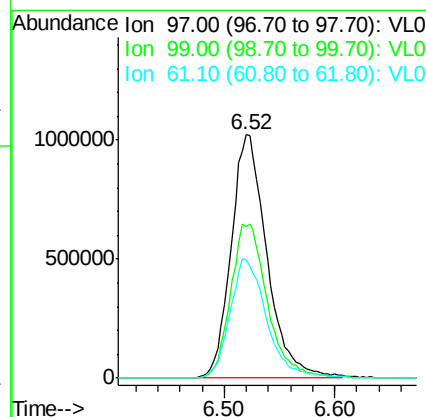
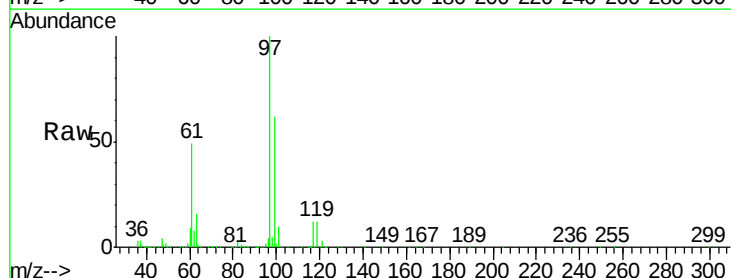
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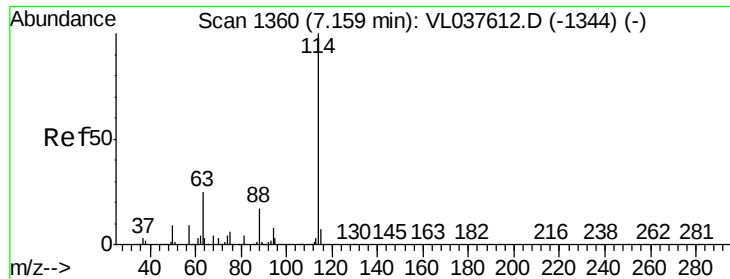
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 10/1/2021 11:05:37 AM



#32
 1,1,1-Trichloroethane
 Concen: 9.623 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T. 0.02 min
 Lab File: VL037697.D
 Acq: 28 Sep 2021 1:40

Tgt Ion: 97 Resp: 2300551
 Ion Ratio Lower Upper
 97 100
 99 65.3 52.3 78.5
 61 49.8 39.5 59.3





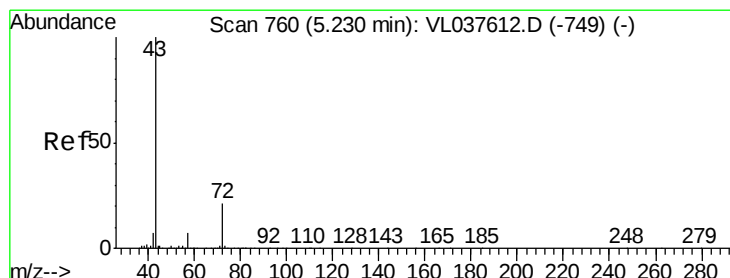
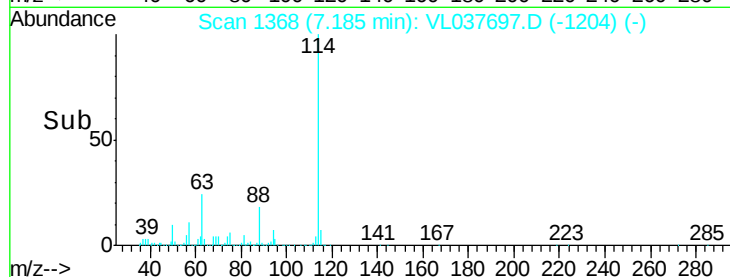
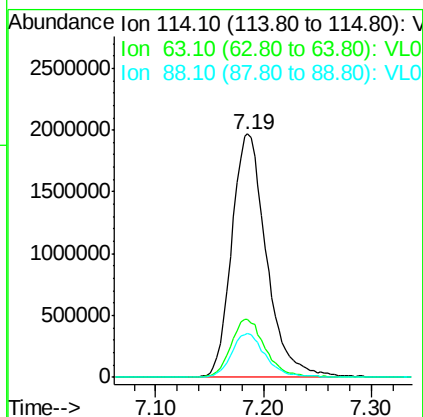
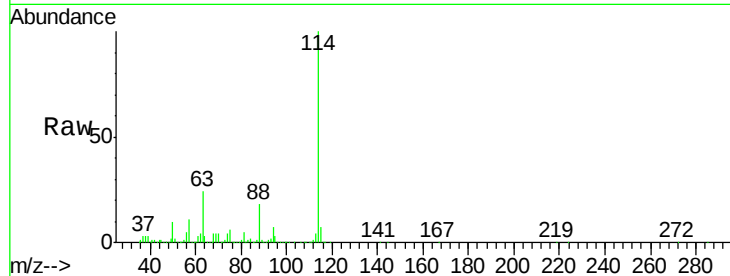
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.03 min
 Lab File: VL037697.D
 Acq: 28 Sep 2021 1:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 114 Resp: 4385784
 Ion Ratio Lower Upper
 114 100
 63 24.1 19.6 29.4
 88 17.9 14.2 21.4

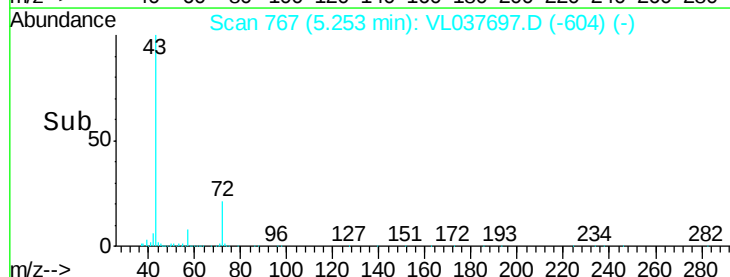
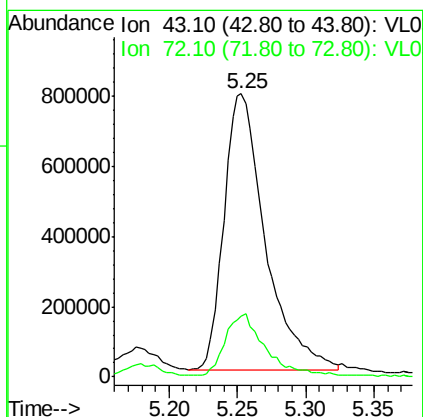
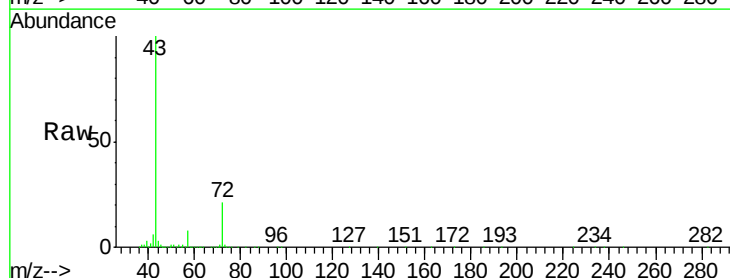
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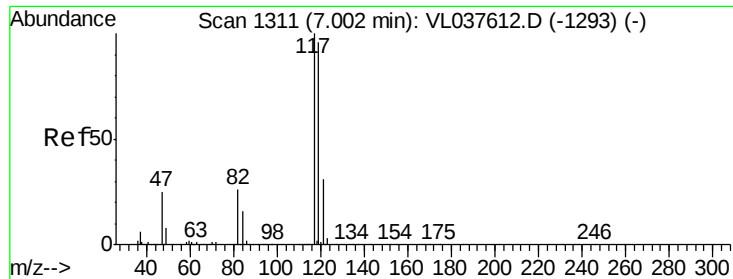
MMDadoda
 10/1/2021 11:05:37 AM



#34
 2-Butanone
 Concen: 9.264 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.02 min
 Lab File: VL037697.D
 Acq: 28 Sep 2021 1:40

Tgt Ion: 43 Resp: 1651180
 Ion Ratio Lower Upper
 43 100
 72 23.4 18.4 27.6





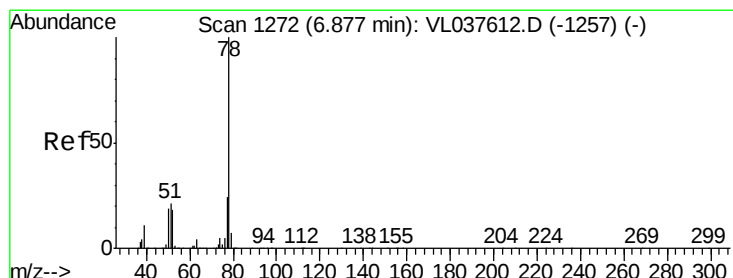
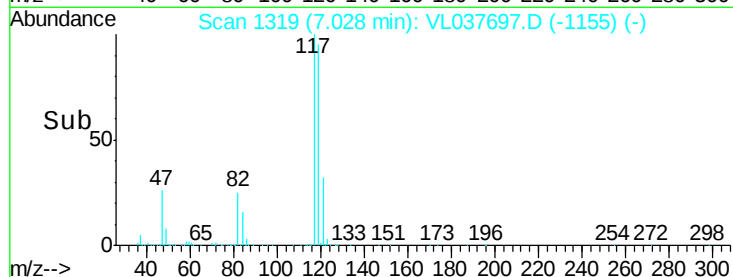
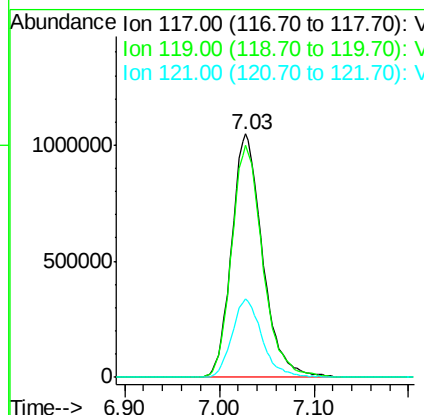
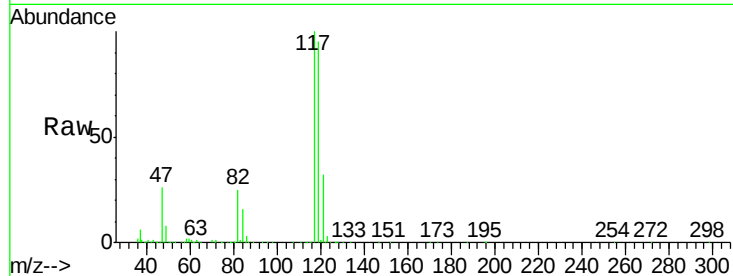
#35
Carbon Tetrachloride
Concen: 9.560 ppbv
RT: 7.03 min Scan# 1319
Delta R.T. 0.03 min
Lab File: VL037697.D
Acq: 28 Sep 2021 1:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	77.0	115.6
121	32.1	24.5	36.7

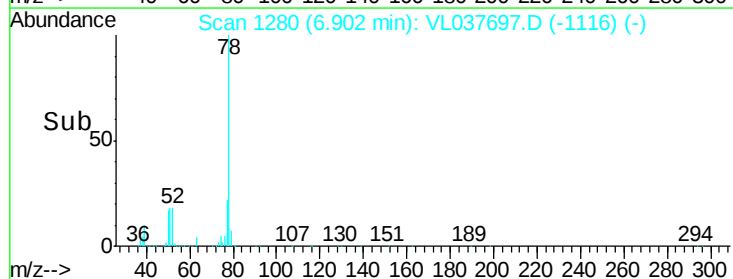
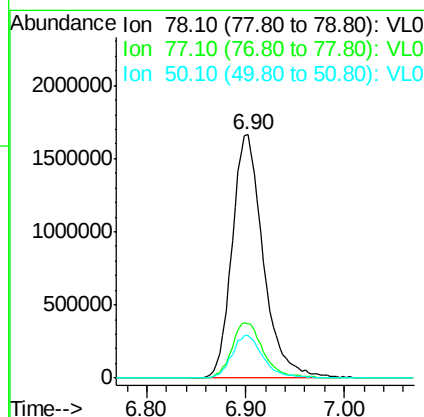
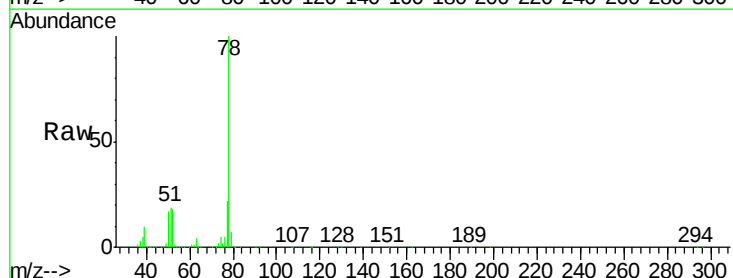
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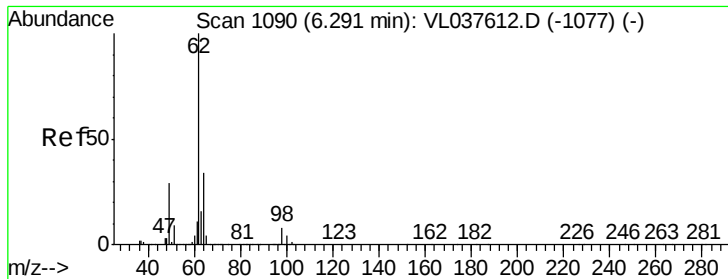
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#36
Benzene
Concen: 10.023 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. 0.03 min
Lab File: VL037697.D
Acq: 28 Sep 2021 1:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	19.0	28.4
50	17.5	14.8	22.2





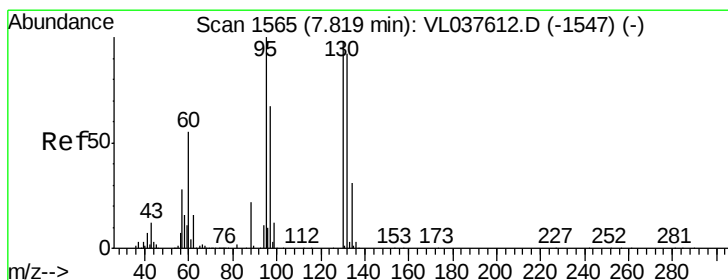
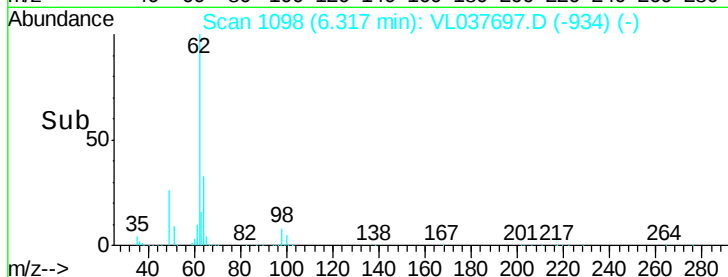
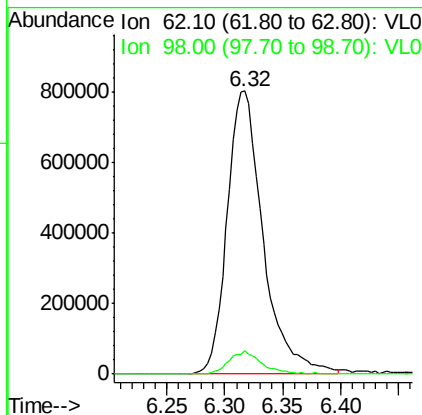
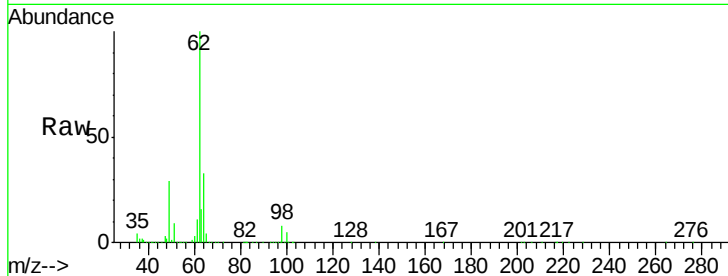
#37
 1,2-Dichloroethane
 Concen: 9.609 ppbv
 RT: 6.32 min Scan# 1098
 Delta R.T. 0.03 min
 Lab File: VL037697.D
 Acq: 28 Sep 2021 1:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 62 Resp: 1728355
 Ion Ratio Lower Upper
 62 100
 98 7.7 6.1 9.1

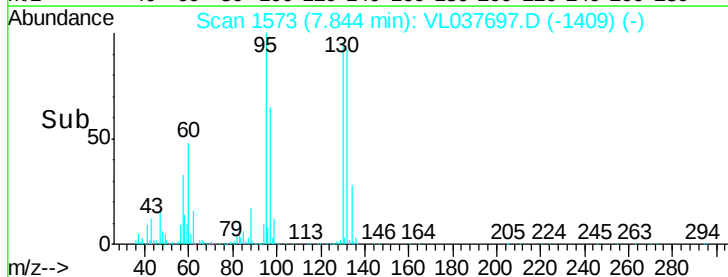
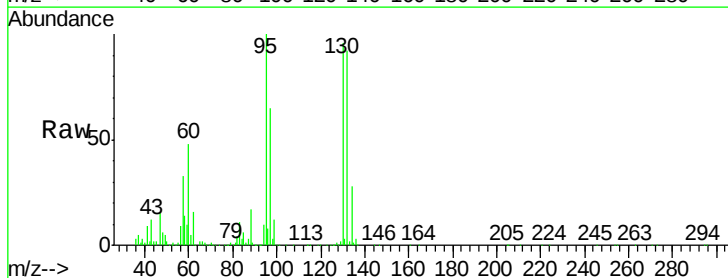
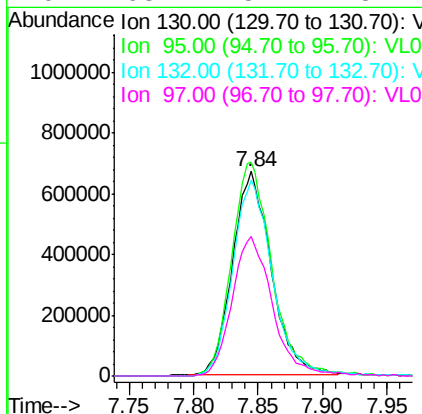
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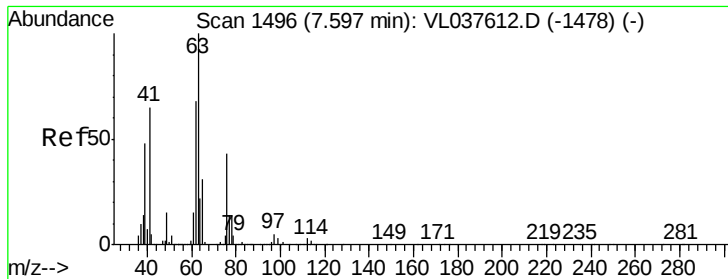
MMDadoda
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#38
 Trichloroethene
 Concen: 9.193 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.03 min
 Lab File: VL037697.D
 Acq: 28 Sep 2021 1:40

Tgt Ion: 130 Resp: 1404468
 Ion Ratio Lower Upper
 130 100
 95 104.5 81.8 122.6
 132 95.7 75.3 112.9
 97 68.4 54.7 82.1





#39

1,2-Dichloropropane

Concen: 9.896 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. 0.03 min

Lab File: VL037697.D

Acq: 28 Sep 2021 1:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 63 Resp: 1386125

Ion Ratio Lower Upper

63 100

41 64.3 51.6 77.4

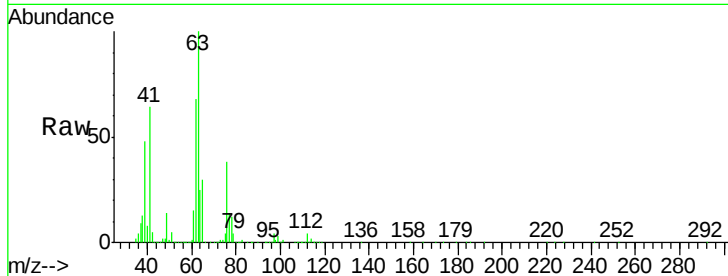
62 67.6 54.6 81.8

Manual Integrations

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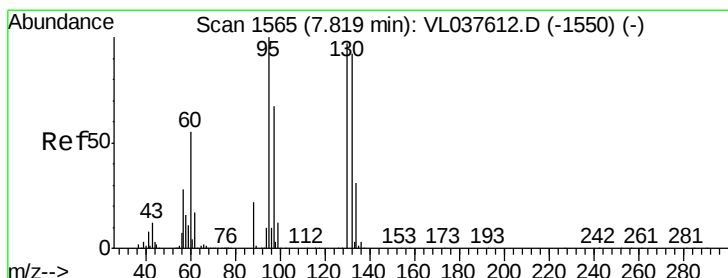
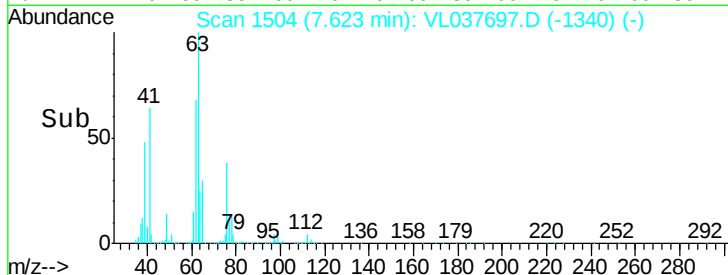
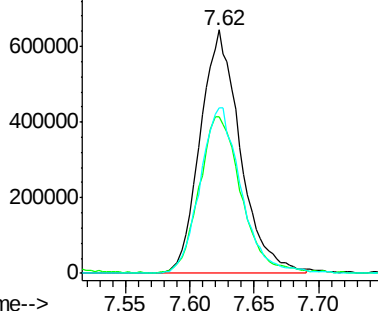
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Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.715 ppbv m

RT: 7.85 min Scan# 1574

Delta R.T. 0.03 min

Lab File: VL037697.D

Acq: 28 Sep 2021 1:40

Tgt Ion: 88 Resp: 365096

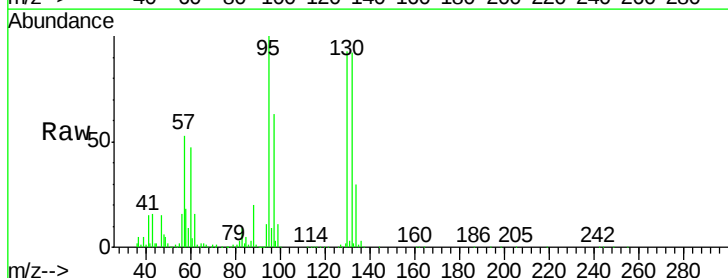
Ion Ratio Lower Upper

88 100

58 0.0 122.4 183.6#

43 0.0 297.4 446.0#

57 0.0 1329.8 1994.8#

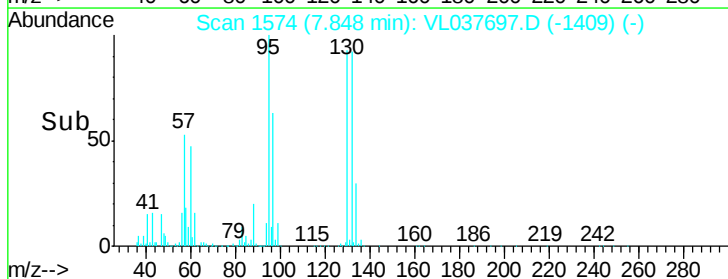
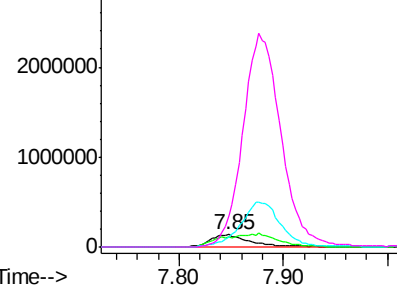


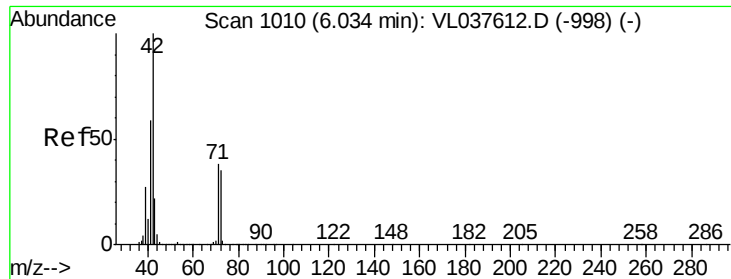
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





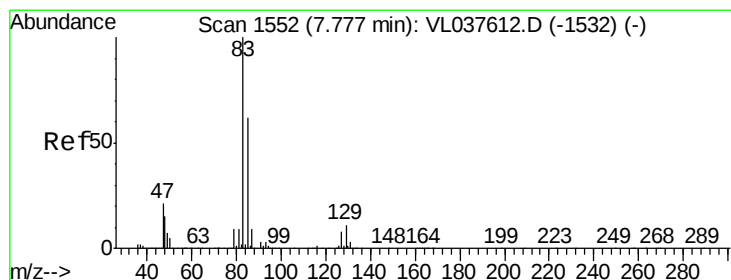
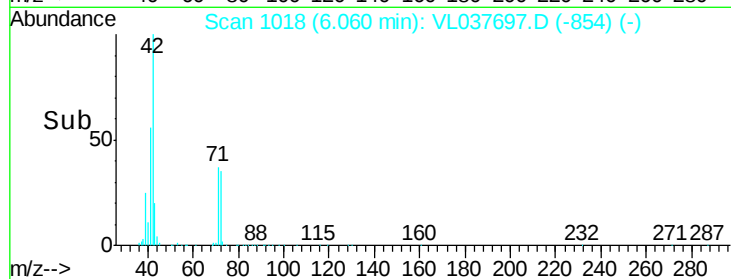
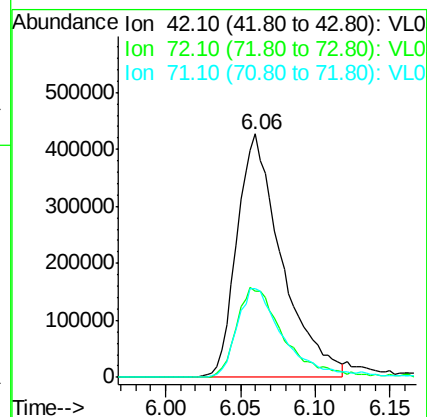
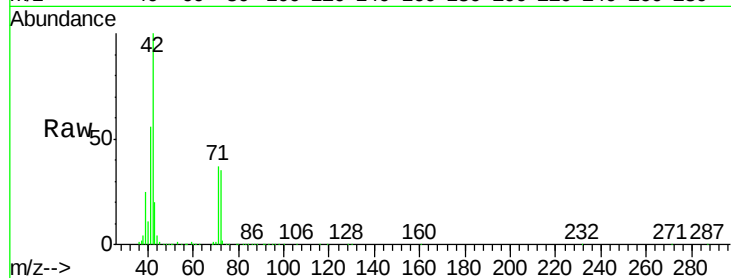
#41
Tetrahydrofuran
Concen: 10.619 ppbv
RT: 6.06 min Scan# 1018
Delta R.T. 0.03 min
Lab File: VL037697.D
Acq: 28 Sep 2021 1:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	38.9	31.4	47.2
71	38.8	30.6	46.0

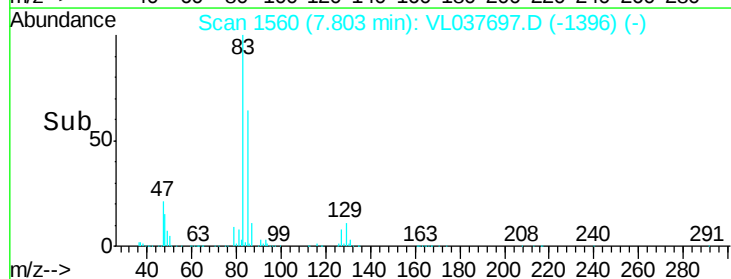
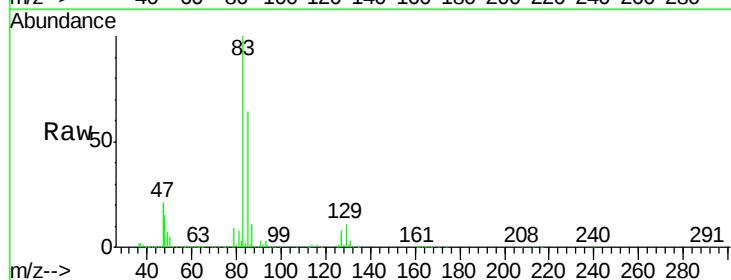
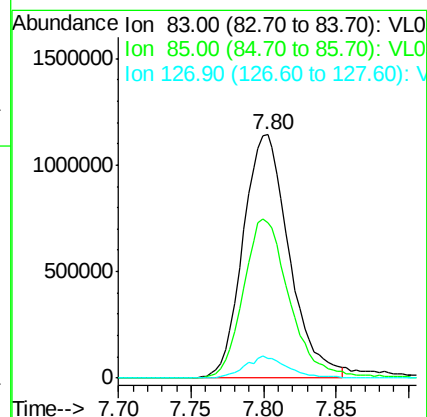
Manual Integrations
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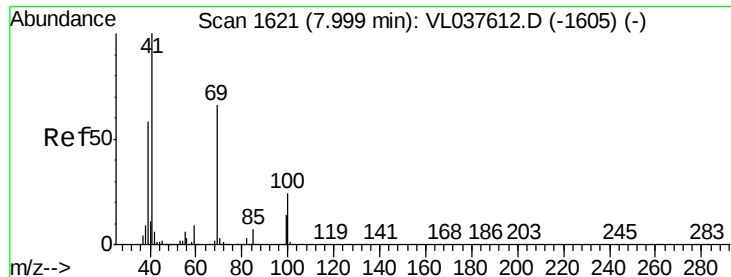
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#42
Bromodichloromethane
Concen: 9.781 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. 0.03 min
Lab File: VL037697.D
Acq: 28 Sep 2021 1:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	49.8	74.6
127	8.3	6.4	9.6





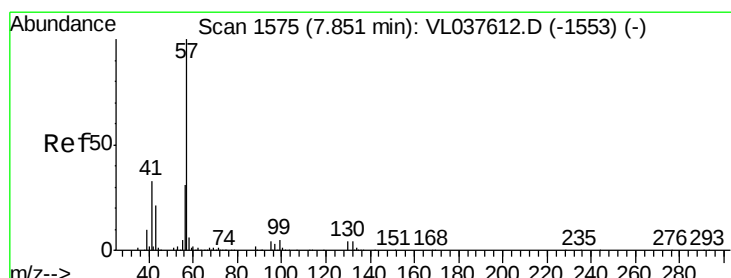
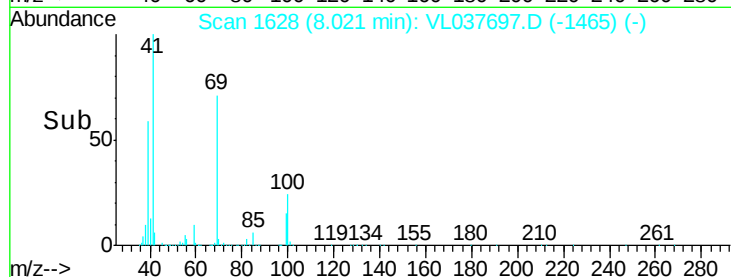
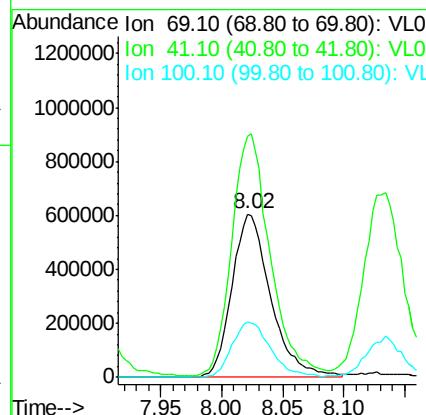
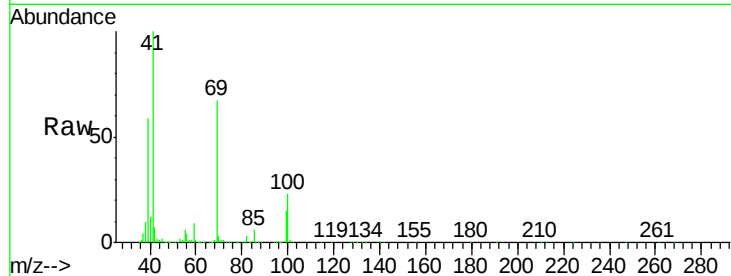
#43
Methyl Methacrylate
Concen: 11.016 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.02 min
Lab File: VL037697.D
Acq: 28 Sep 2021 1:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 69 Resp: 1340281
Ion Ratio Lower Upper
69 100
41 148.3 119.0 178.4
100 33.9 27.6 41.4

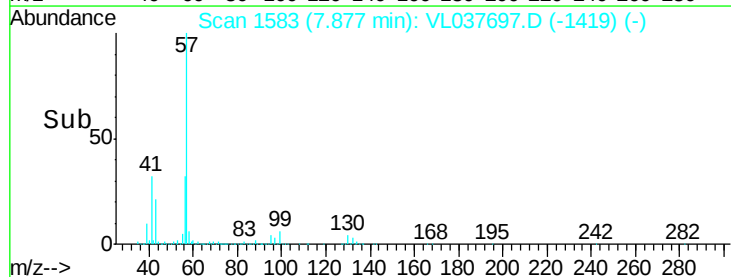
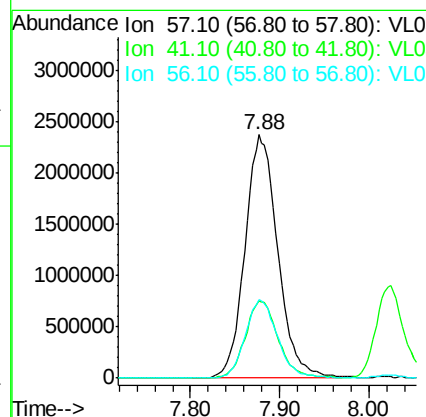
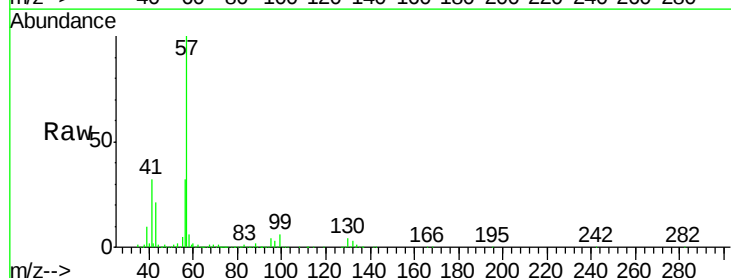
Manual Integrations
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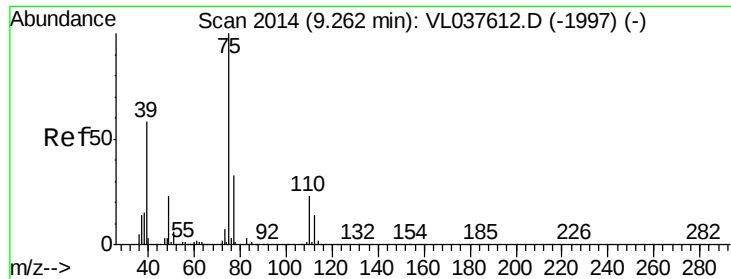
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#44
2,2,4-Trimethylpentane
Concen: 9.845 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.03 min
Lab File: VL037697.D
Acq: 28 Sep 2021 1:40

Tgt Ion: 57 Resp: 6052771
Ion Ratio Lower Upper
57 100
41 31.6 26.1 39.1
56 31.7 25.7 38.5





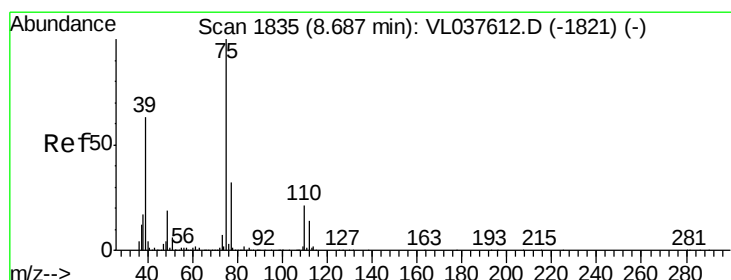
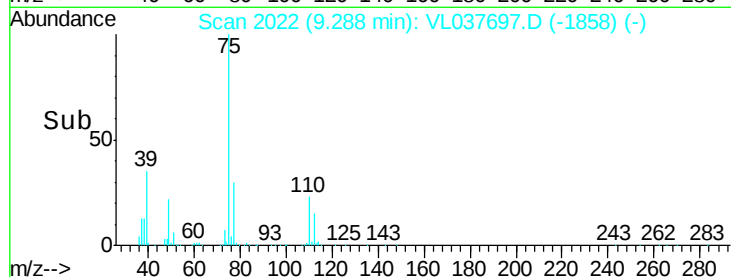
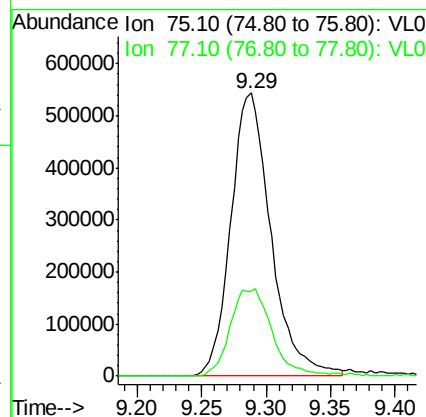
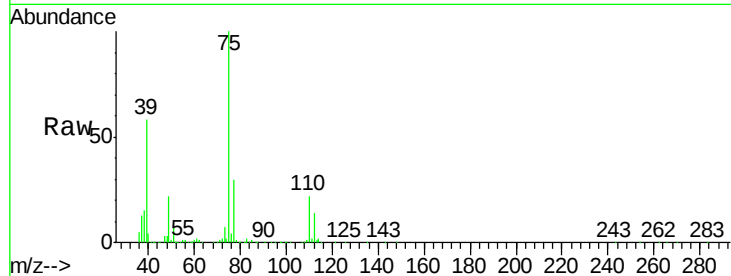
#45
 t-1,3-Dichloropropene
 Concen: 12.212 ppbv
 RT: 9.29 min Scan# 2022
 Delta R.T. 0.03 min
 Lab File: VL037697.D
 Acq: 28 Sep 2021 1:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 75 Resp: 1167022
 Ion Ratio Lower Upper
 75 100
 77 30.0 26.3 39.5

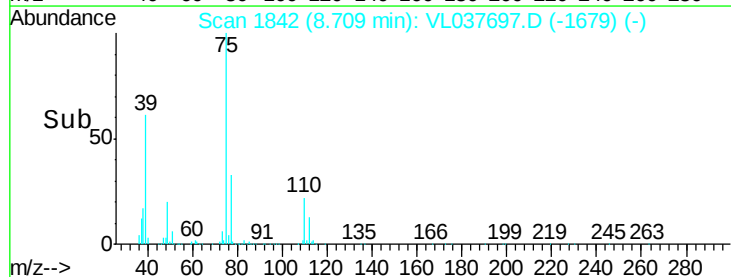
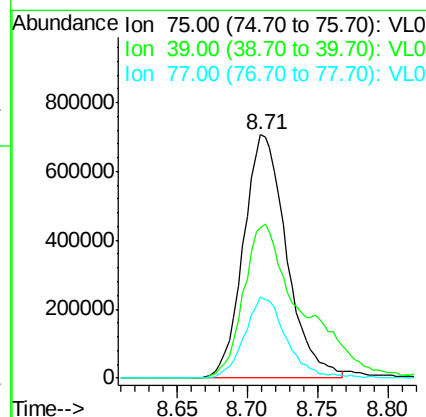
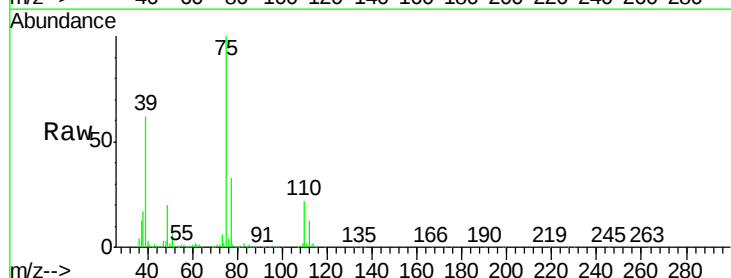
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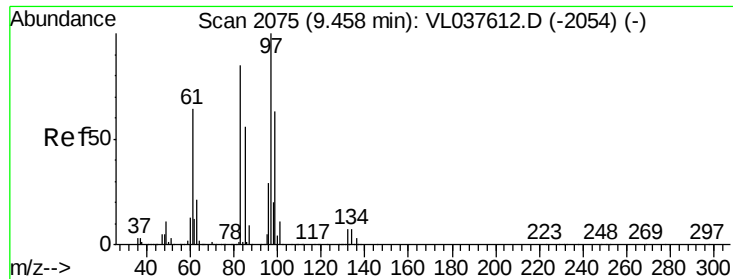
MMDadoda
 10/1/2021 11:05:37 AM



#46
 cis-1,3-Dichloropropene
 Concen: 11.730 ppbv
 RT: 8.71 min Scan# 1842
 Delta R.T. 0.02 min
 Lab File: VL037697.D
 Acq: 28 Sep 2021 1:40

Tgt Ion: 75 Resp: 1514257
 Ion Ratio Lower Upper
 75 100
 39 61.7 50.2 75.4
 77 33.2 25.2 37.8





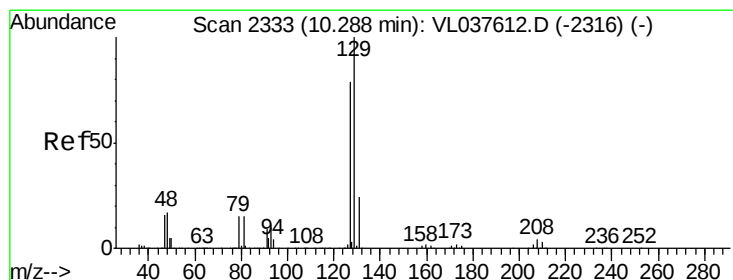
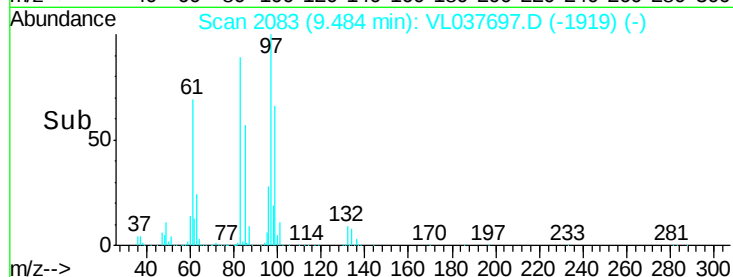
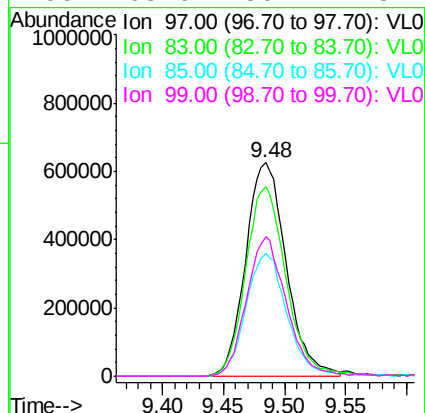
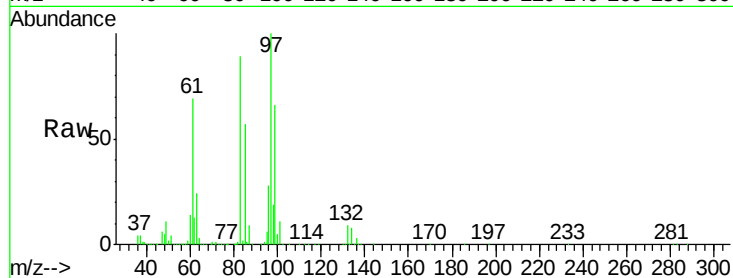
#47
 1,1,2-Trichloroethane
 Concen: 9.261 ppbv
 RT: 9.48 min Scan# 2083
 Delta R.T. 0.03 min
 Lab File: VL037697.D
 Acq: 28 Sep 2021 1:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.9	67.9	101.9
85	57.3	44.8	67.2
99	65.6	50.1	75.1

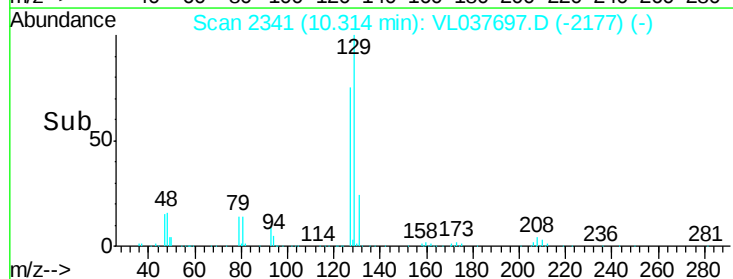
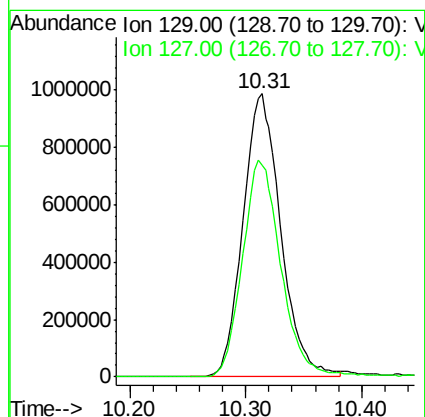
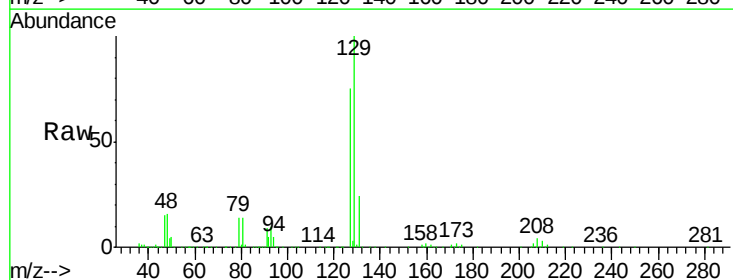
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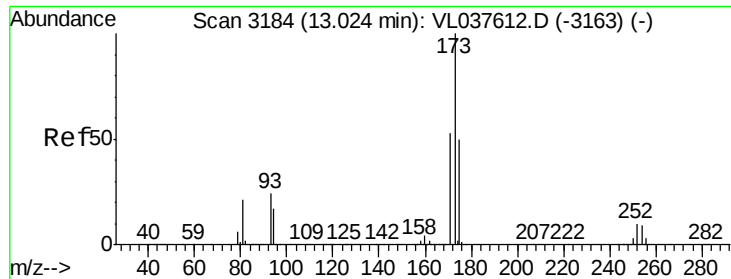
MMDadoda
 10/1/2021 11:05:37 AM



#48
 Dibromochloromethane
 Concen: 10.327 ppbv
 RT: 10.31 min Scan# 2341
 Delta R.T. 0.03 min
 Lab File: VL037697.D
 Acq: 28 Sep 2021 1:40

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.3	117.8





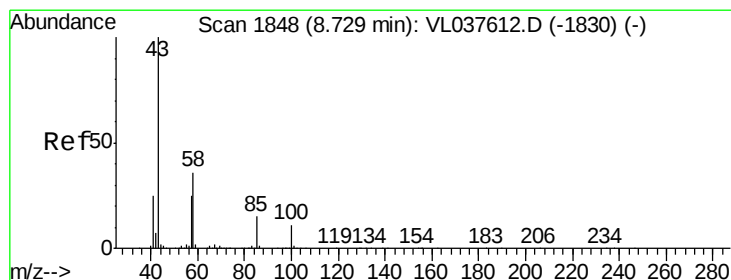
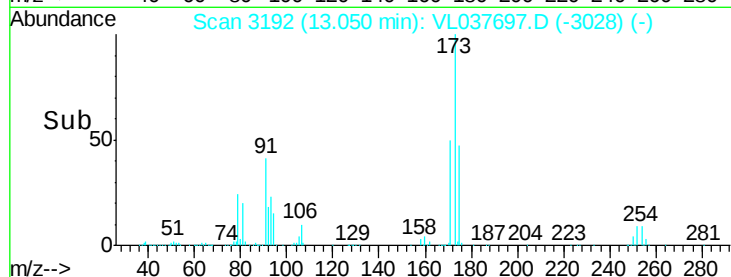
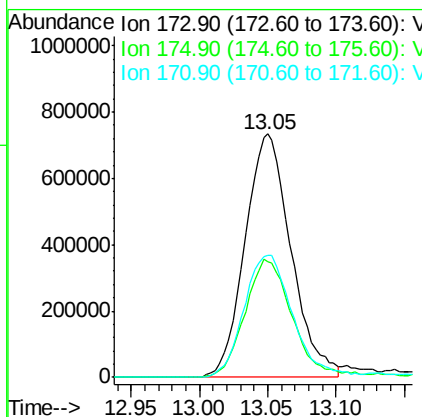
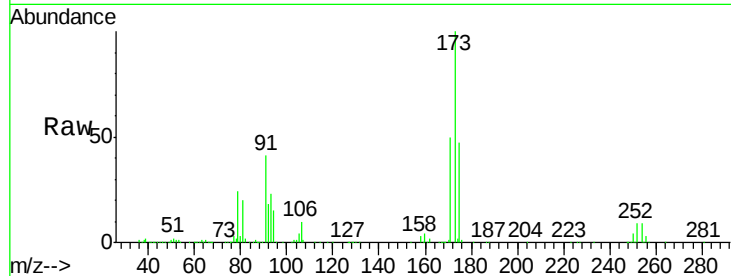
#49
Bromoform
Concen: 9.931 ppbv
RT: 13.05 min Scan# 3192
Delta R.T. 0.03 min
Lab File: VL037697.D
Acq: 28 Sep 2021 1:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 173 Resp: 1718084
Ion Ratio Lower Upper
173 100
175 52.9 39.8 59.8
171 56.1 42.2 63.4

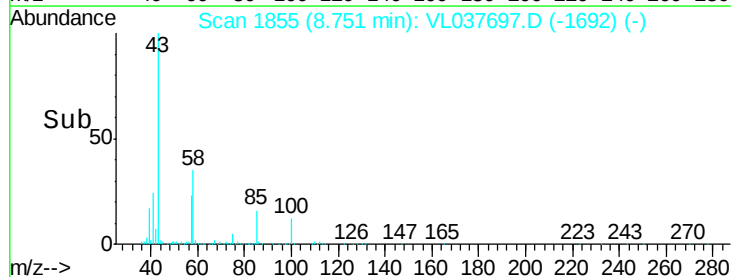
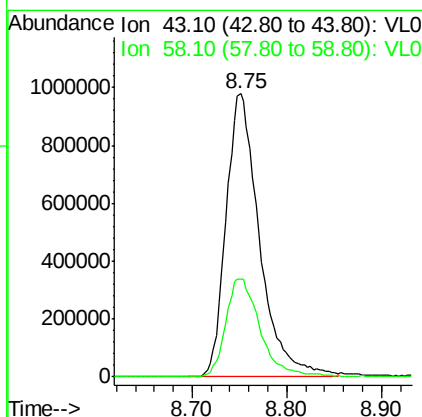
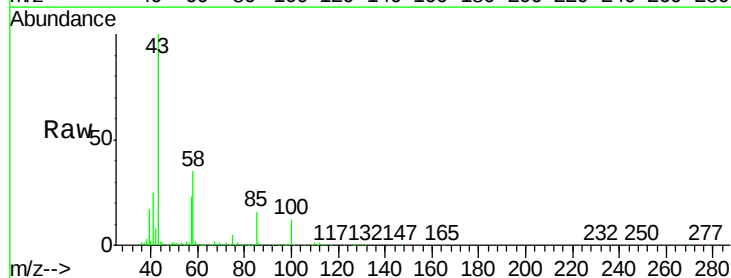
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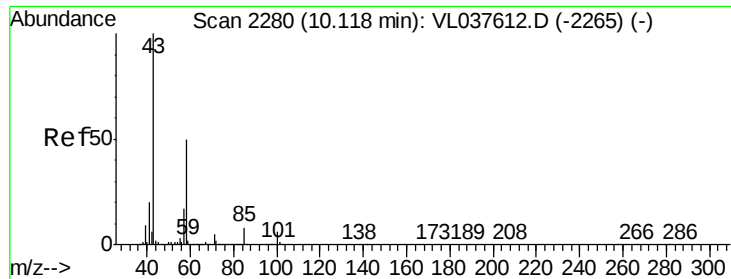
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 10.646 ppbv
RT: 8.75 min Scan# 1855
Delta R.T. 0.02 min
Lab File: VL037697.D
Acq: 28 Sep 2021 1:40

Tgt Ion: 43 Resp: 2408339
Ion Ratio Lower Upper
43 100
58 35.7 29.4 44.2





#51

2-Hexanone

Concen: 11.087 ppbv

RT: 10.15 min Scan# 2289

Delta R.T. 0.03 min

Lab File: VL037697.D

Acq: 28 Sep 2021 1:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1106539

Ion Ratio Lower Upper

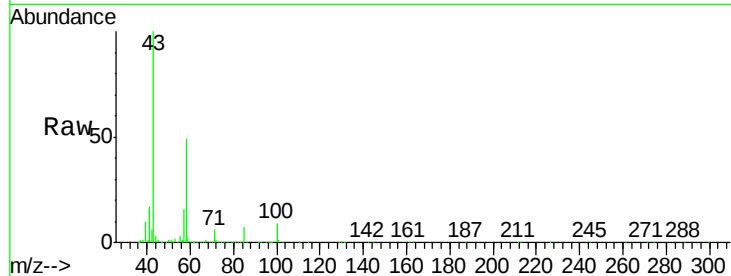
43 100

58 51.3 39.3 58.9

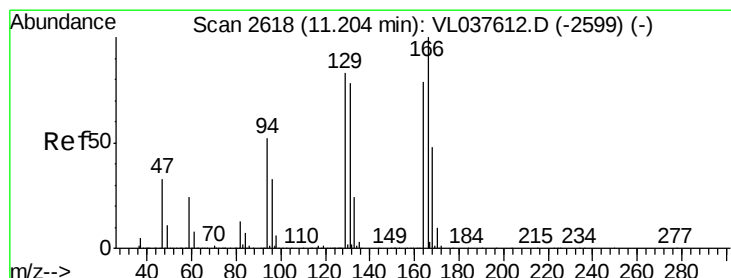
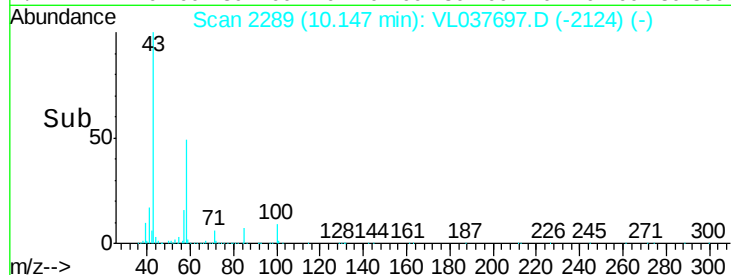
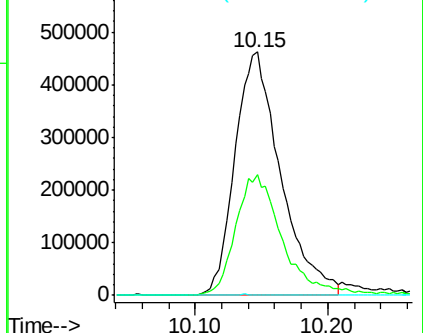
98 0.5 0.4 0.6

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.458 ppbv

RT: 11.23 min Scan# 2627

Delta R.T. 0.03 min

Lab File: VL037697.D

Acq: 28 Sep 2021 1:40

Tgt Ion: 164 Resp: 1327922

Ion Ratio Lower Upper

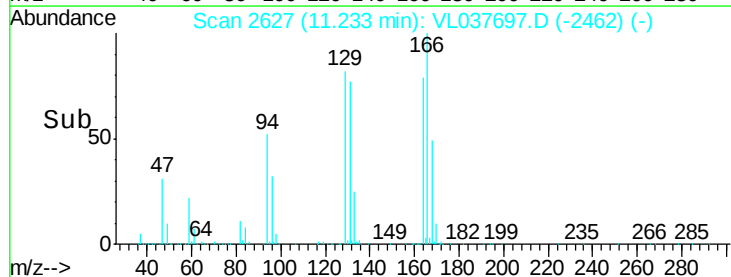
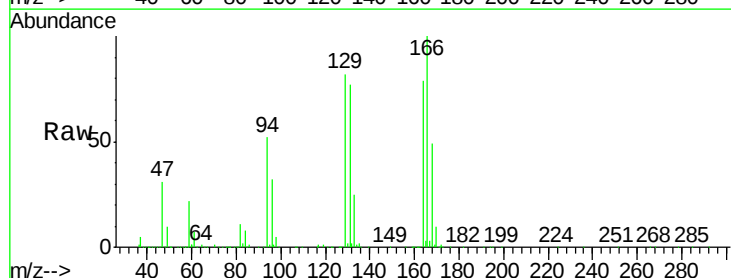
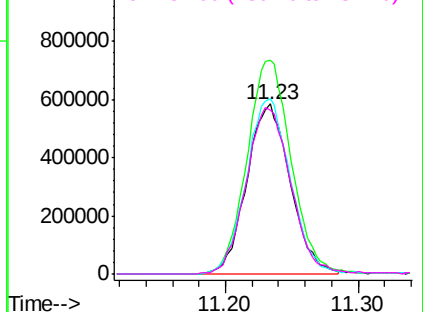
164 100

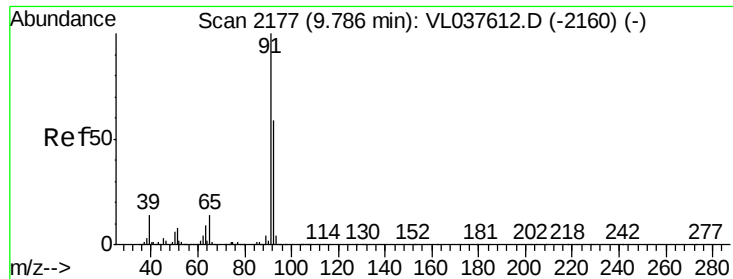
166 125.9 101.2 151.8

129 103.4 84.0 126.0

131 96.8 78.8 118.2

Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.375 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.03 min

Lab File: VL037697.D

Acq: 28 Sep 2021 1:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 4217352

Ion Ratio Lower Upper

91 100

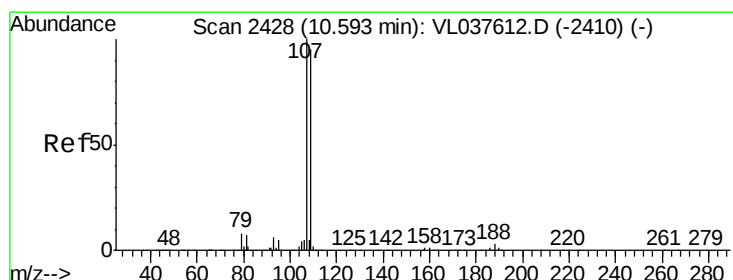
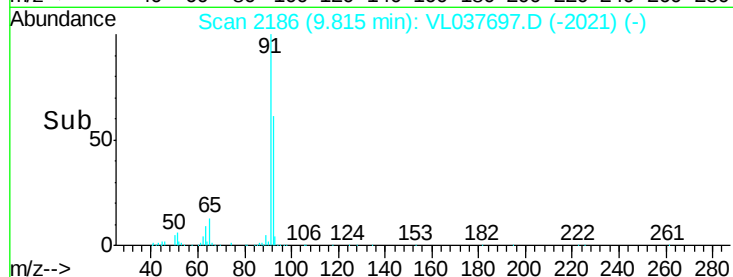
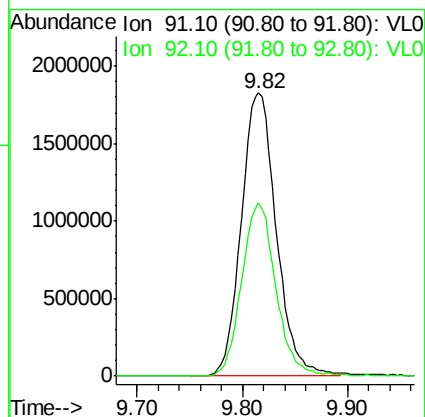
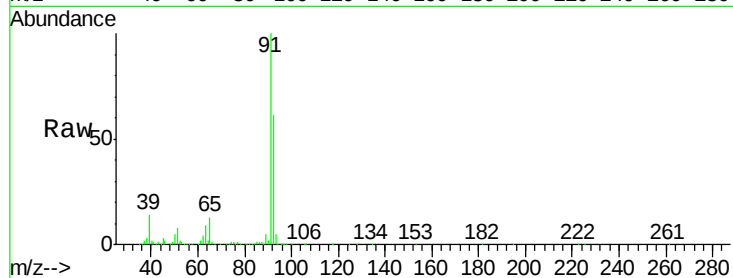
92 60.1 48.9 73.3

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#54

1,2-Dibromoethane

Concen: 9.634 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. 0.03 min

Lab File: VL037697.D

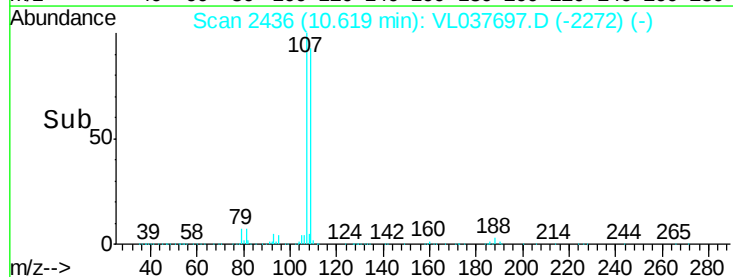
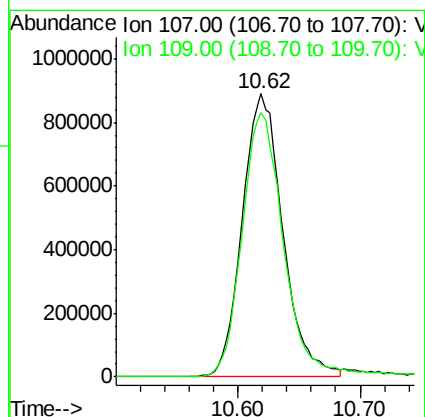
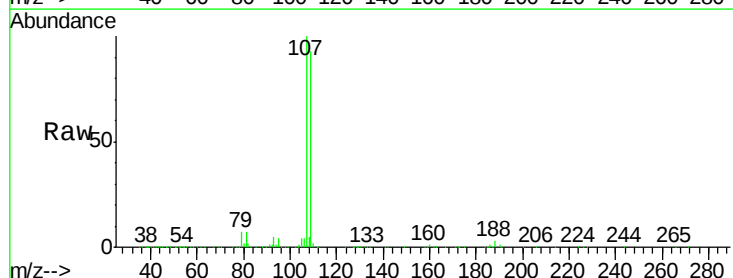
Acq: 28 Sep 2021 1:40

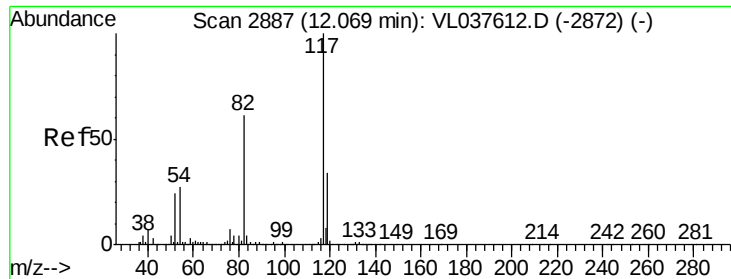
Tgt Ion: 107 Resp: 2044109

Ion Ratio Lower Upper

107 100

109 93.3 76.0 114.0





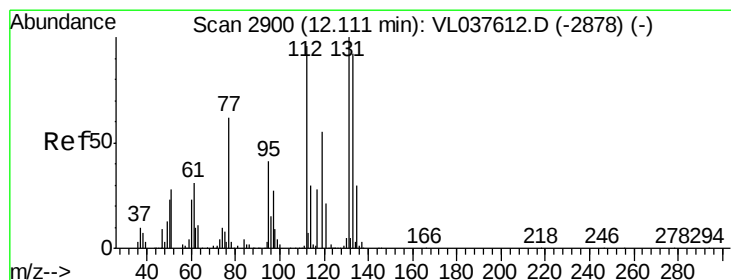
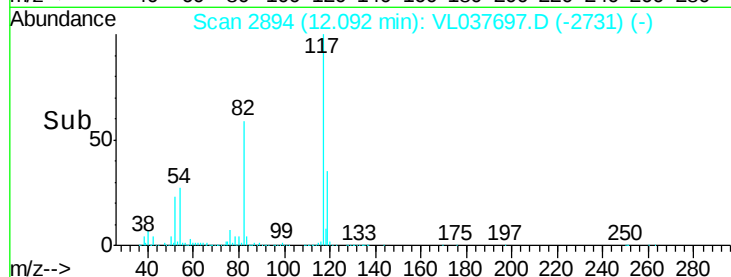
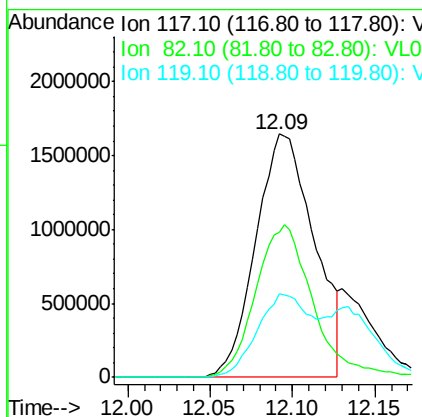
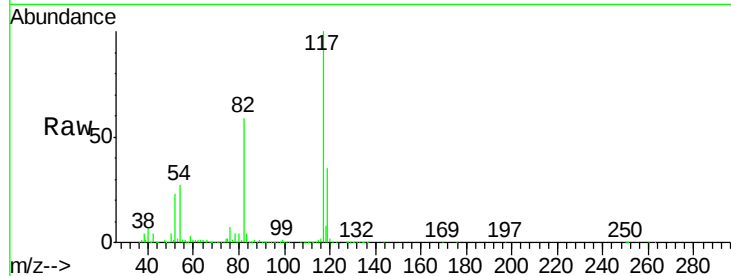
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2894
Delta R.T. 0.02 min
Lab File: VL037697.D
Acq: 28 Sep 2021 1:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 4057680
Ion Ratio Lower Upper
117 100
82 63.1 50.6 75.8
119 57.6 26.2 39.2#

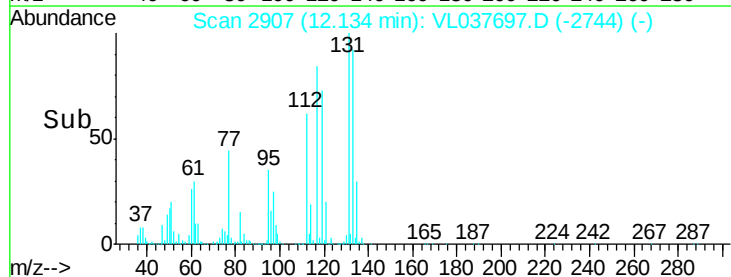
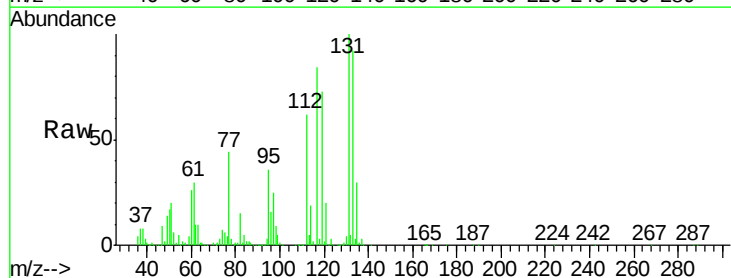
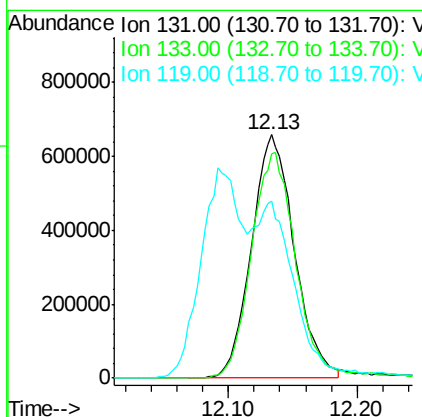
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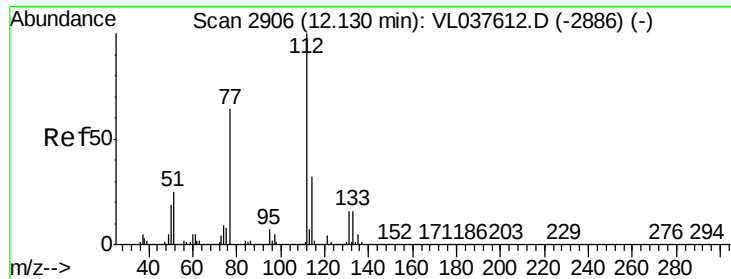
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.041 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. 0.02 min
Lab File: VL037697.D
Acq: 28 Sep 2021 1:40

Tgt Ion:131 Resp: 1521616
Ion Ratio Lower Upper
131 100
133 97.2 76.8 115.2
119 72.1 47.8 71.8#





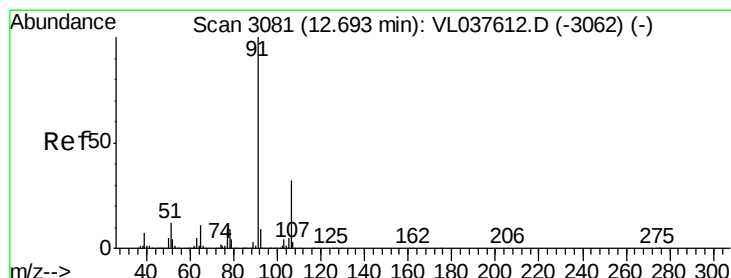
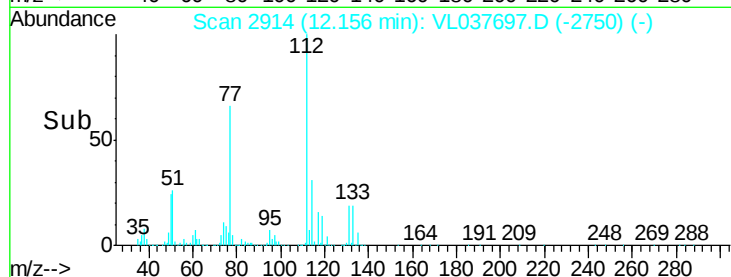
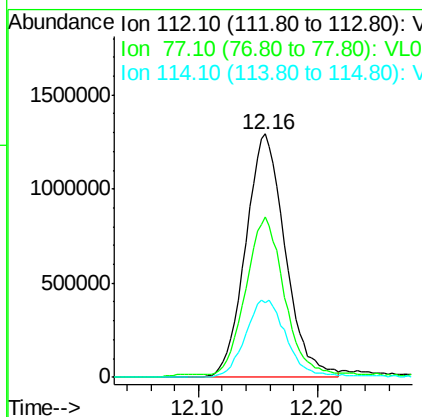
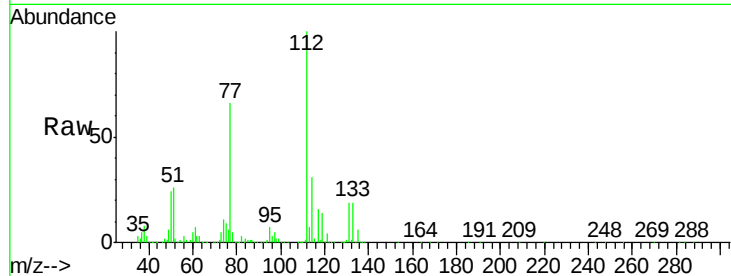
#57
Chlorobenzene
Concen: 8.829 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.03 min
Lab File: VL037697.D
Acq: 28 Sep 2021 1:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 112 Resp: 2978205
Ion Ratio Lower Upper
112 100
77 64.9 52.1 78.1
114 30.8 29.2 35.6

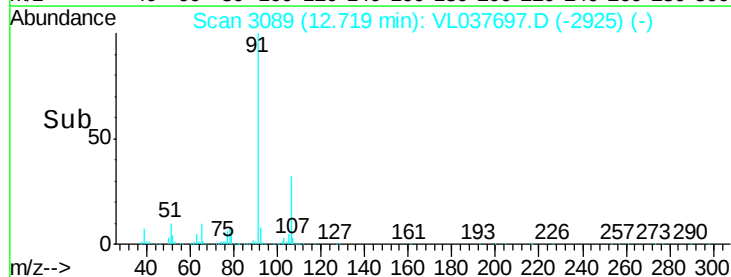
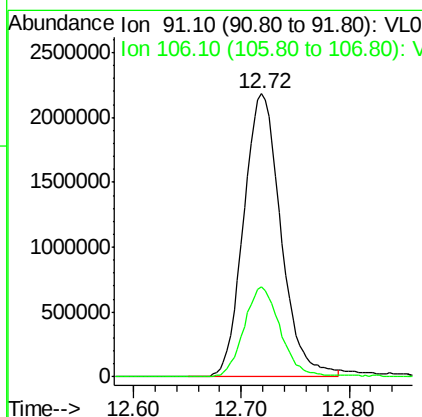
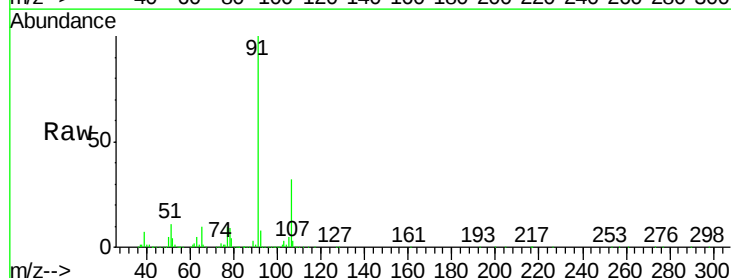
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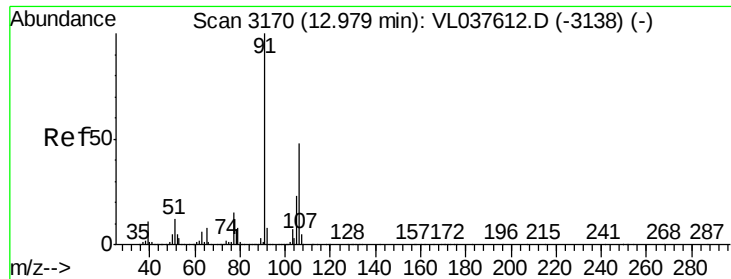
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#58
Ethyl Benzene
Concen: 9.745 ppbv
RT: 12.72 min Scan# 3089
Delta R.T. 0.03 min
Lab File: VL037697.D
Acq: 28 Sep 2021 1:40

Tgt Ion: 91 Resp: 5248858
Ion Ratio Lower Upper
91 100
106 31.7 25.3 37.9





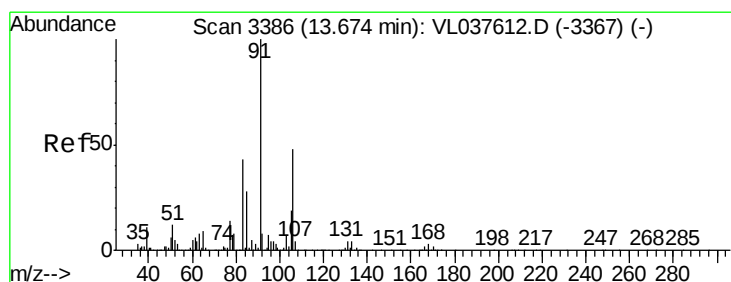
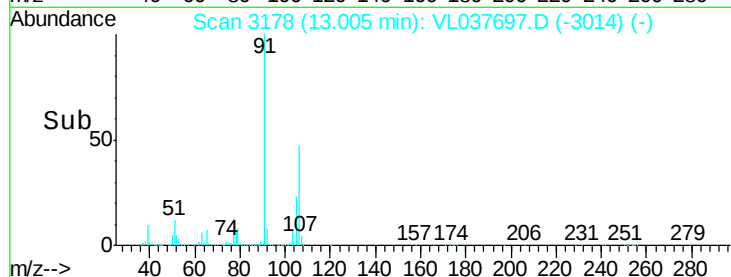
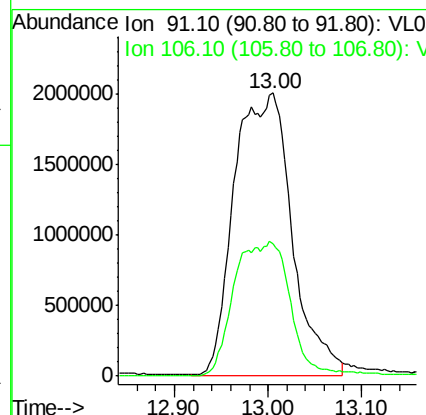
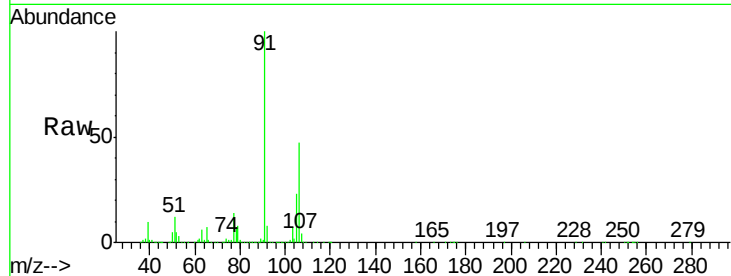
#59
m/p-Xylene
Concen: 18.278 ppbv m
RT: 13.00 min Scan# 3178
Delta R.T. 0.03 min
Lab File: VL037697.D
Acq: 28 Sep 2021 1:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 8579615
Ion Ratio Lower Upper
91 100
106 46.9 36.6 55.0

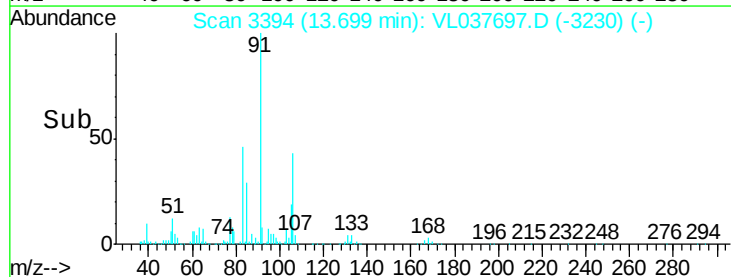
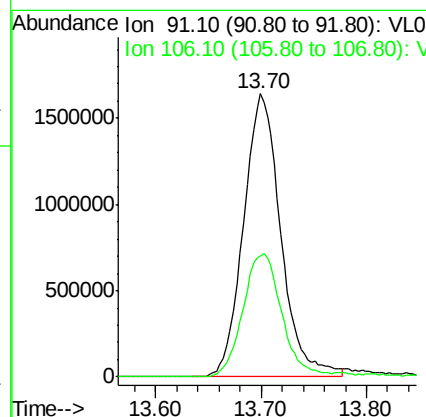
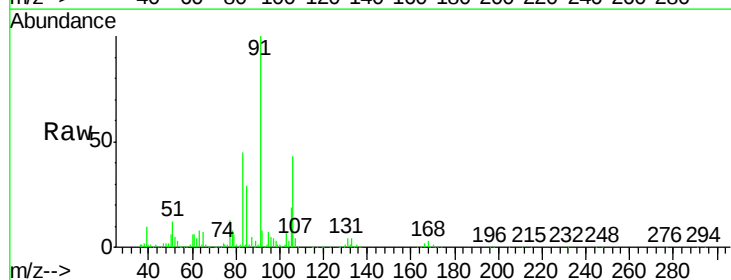
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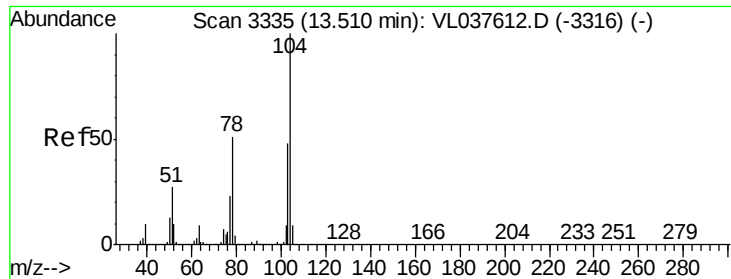
MMDadoda
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#60
o-Xylene
Concen: 9.017 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. 0.03 min
Lab File: VL037697.D
Acq: 28 Sep 2021 1:40

Tgt Ion: 91 Resp: 4028378
Ion Ratio Lower Upper
91 100
106 47.1 23.0 69.0





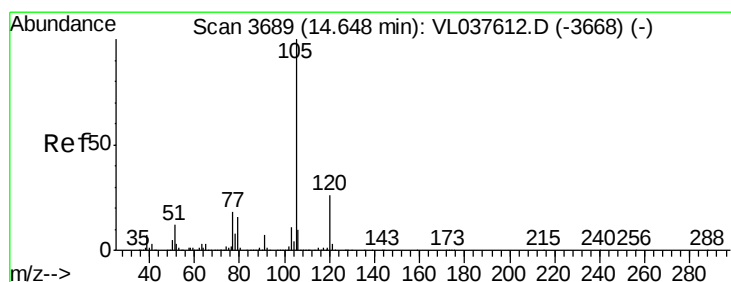
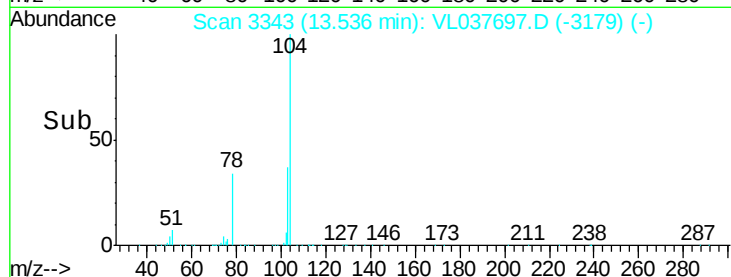
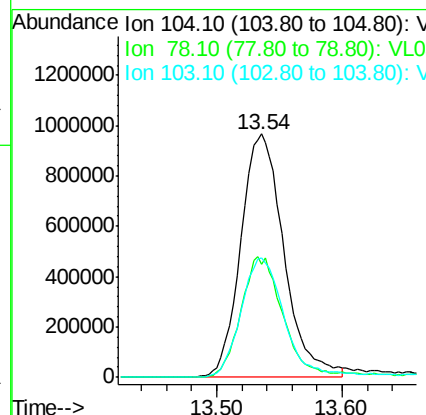
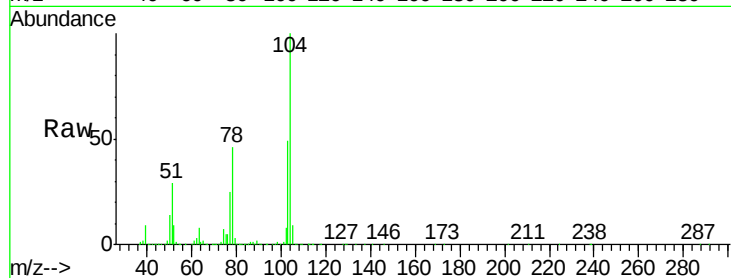
#61
Styrene
Concen: 10.459 ppbv
RT: 13.54 min Scan# 3343
Delta R.T. 0.03 min
Lab File: VL037697.D
Acq: 28 Sep 2021 1:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:104 Resp: 2304185
Ion Ratio Lower Upper
104 100
78 49.9 39.7 59.5
103 50.5 38.8 58.2

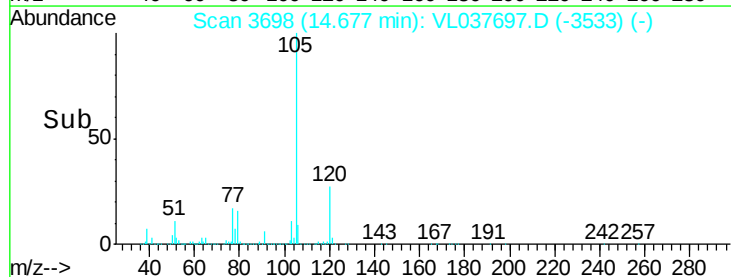
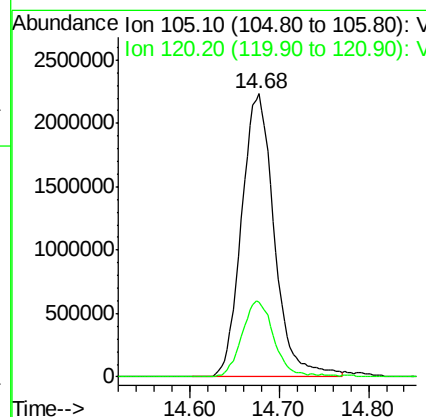
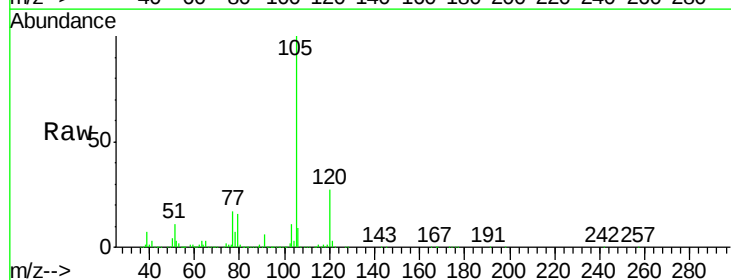
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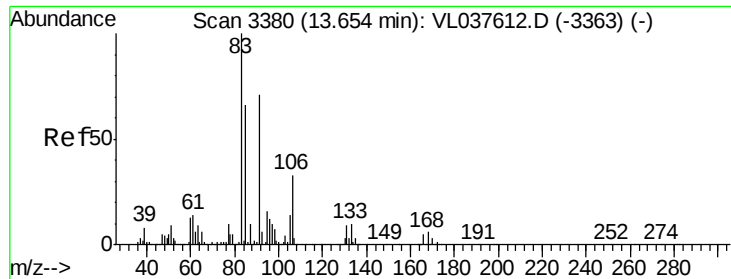
MMDadoda
10/1/2021 11:05:37 AM



#62
Isopropylbenzene
Concen: 9.147 ppbv
RT: 14.68 min Scan# 3698
Delta R.T. 0.03 min
Lab File: VL037697.D
Acq: 28 Sep 2021 1:40

Tgt Ion:105 Resp: 5708800
Ion Ratio Lower Upper
105 100
120 26.7 21.4 32.0





#63

1,1,2,2-Tetrachloroethane

Concen: 8.044 ppbv

RT: 13.68 min Scan# 3389

Delta R.T. 0.03 min

Lab File: VL037697.D

Acq: 28 Sep 2021 1:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 83 Resp: 2812681

Ion Ratio Lower Upper

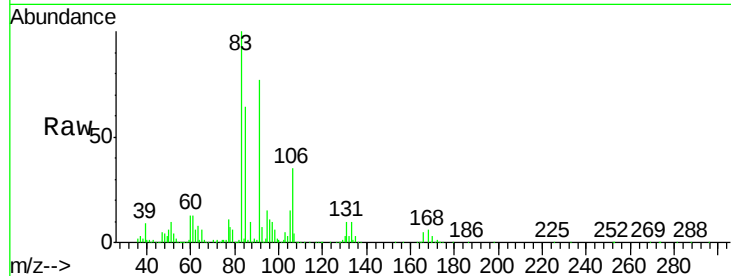
83 100

131 10.1 5.1 15.3

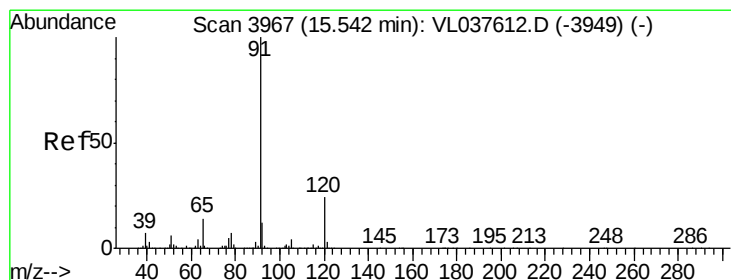
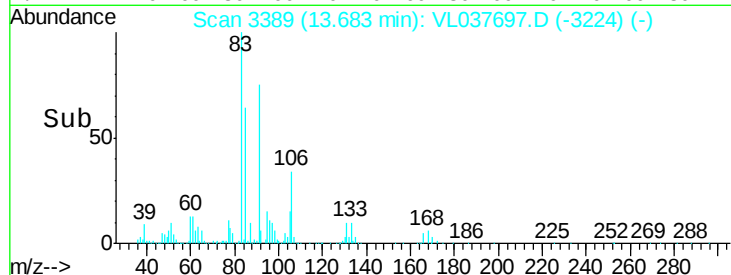
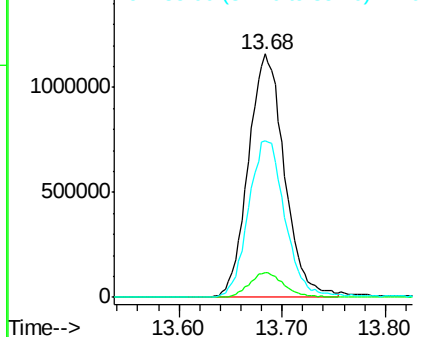
85 65.8 33.3 99.9

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Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.242 ppbv

RT: 15.57 min Scan# 3975

Delta R.T. 0.03 min

Lab File: VL037697.D

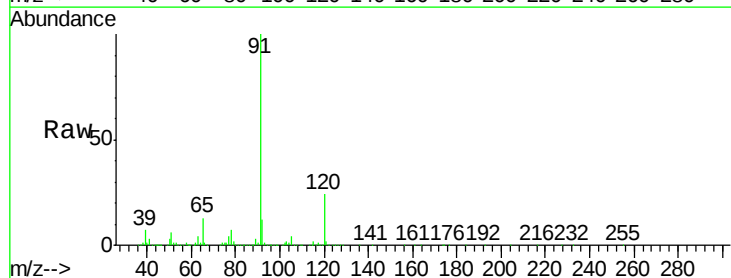
Acq: 28 Sep 2021 1:40

Tgt Ion: 120 Resp: 1488427

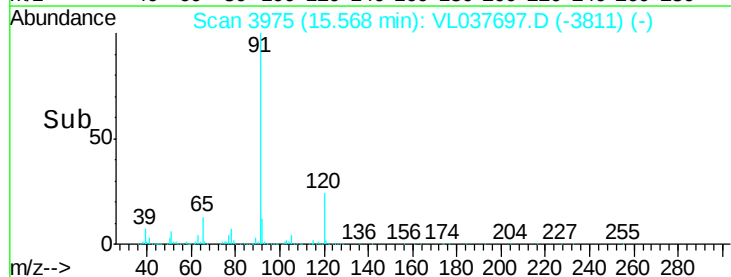
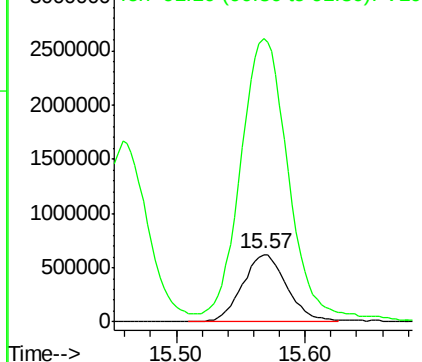
Ion Ratio Lower Upper

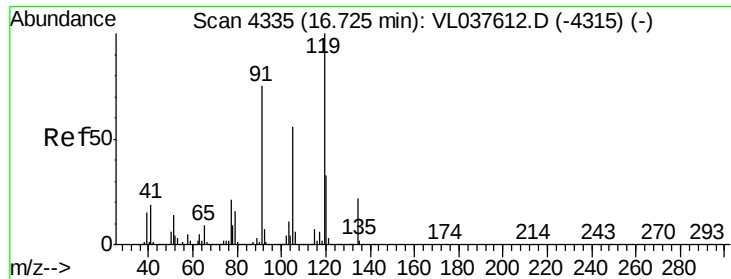
120 100

91 461.3 345.0 517.4



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





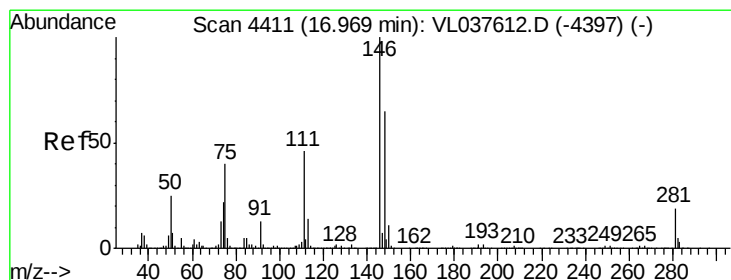
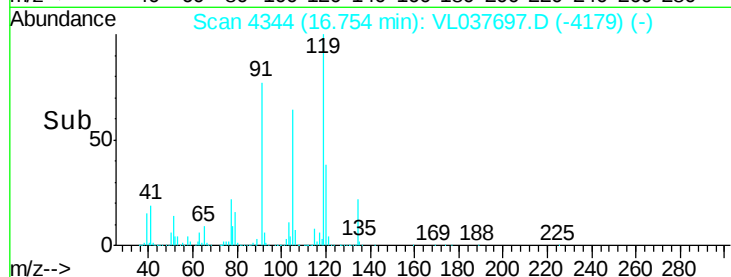
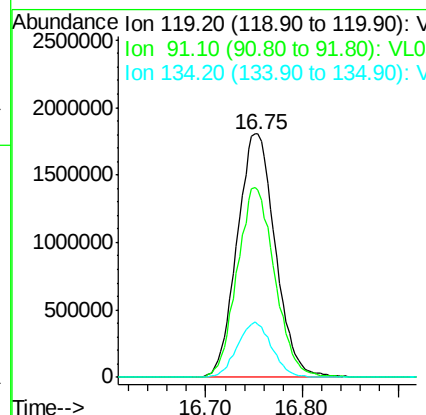
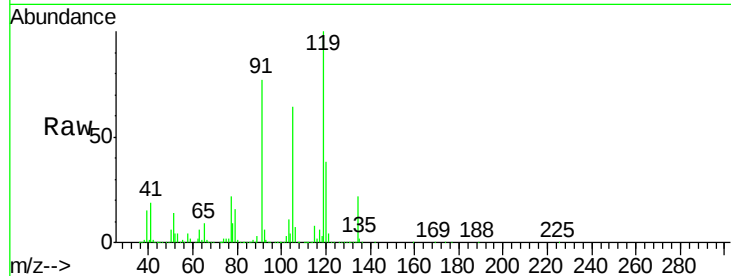
#65
 tert-Butylbenzene
 Concen: 8.782 ppbv
 RT: 16.75 min Scan# 4344
 Delta R.T. 0.03 min
 Lab File: VL037697.D
 Acq: 28 Sep 2021 1:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 119 Resp: 4942104
 Ion Ratio Lower Upper
 119 100
 91 76.7 61.9 92.9
 134 20.6 16.5 24.7

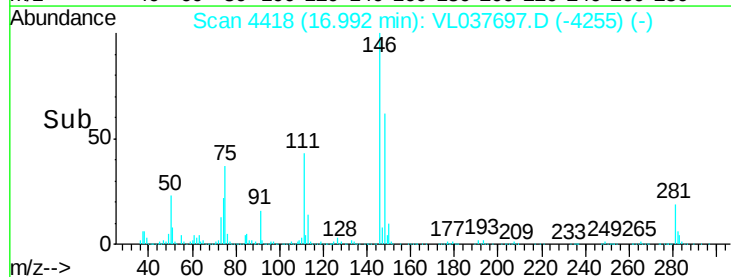
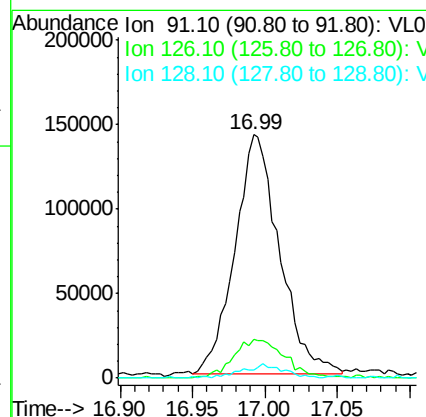
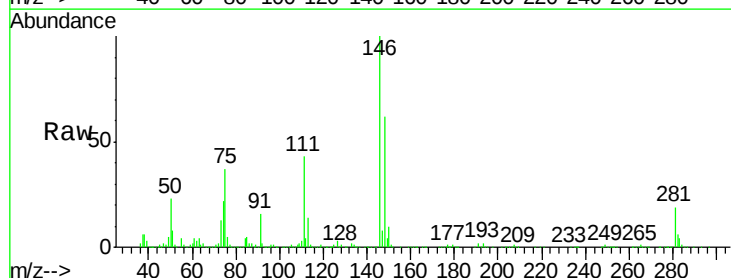
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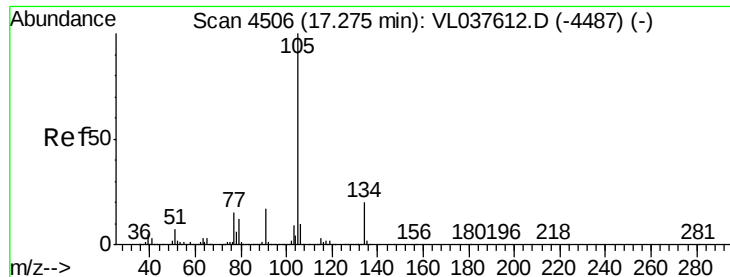
MMDadoda
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#66
 Benzyl Chloride
 Concen: 9.829 ppbv
 RT: 16.99 min Scan# 4418
 Delta R.T. 0.02 min
 Lab File: VL037697.D
 Acq: 28 Sep 2021 1:40

Tgt Ion: 91 Resp: 302243
 Ion Ratio Lower Upper
 91 100
 126 19.1 14.4 21.6
 128 5.4 5.7 8.5#





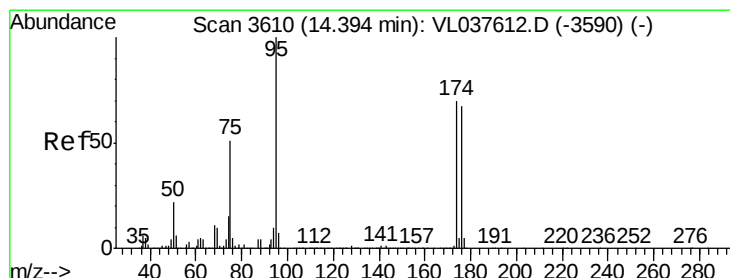
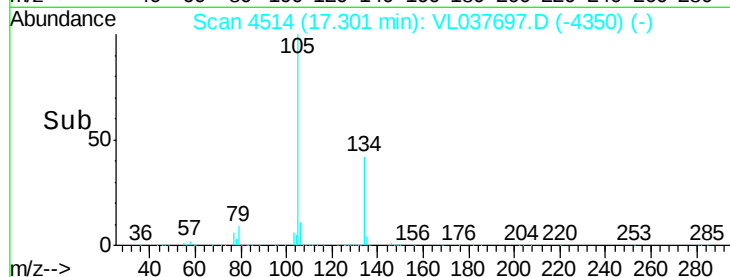
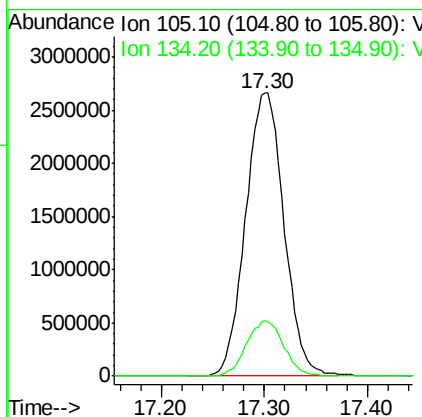
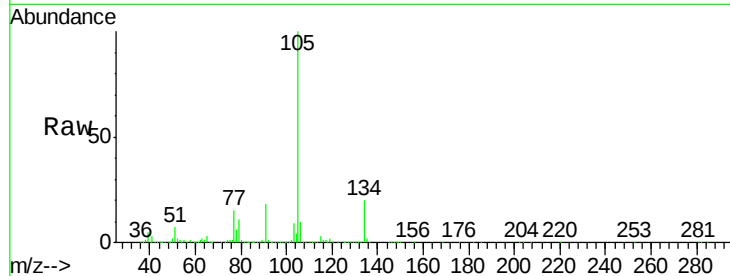
#67
 sec-Butylbenzene
 Concen: 8.984 ppbv
 RT: 17.30 min Scan# 4514
 Delta R.T. 0.03 min
 Lab File: VL037697.D
 Acq: 28 Sep 2021 1:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 105 Resp: 6858925
 Ion Ratio Lower Upper
 105 100
 134 19.2 15.7 23.5

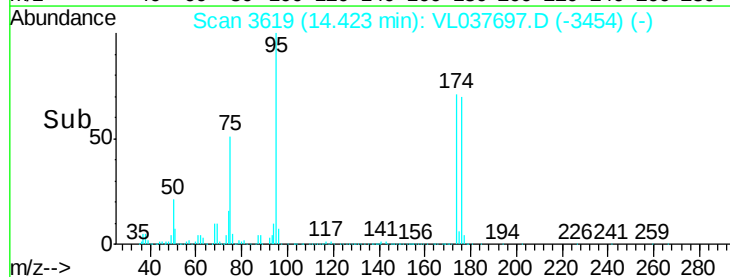
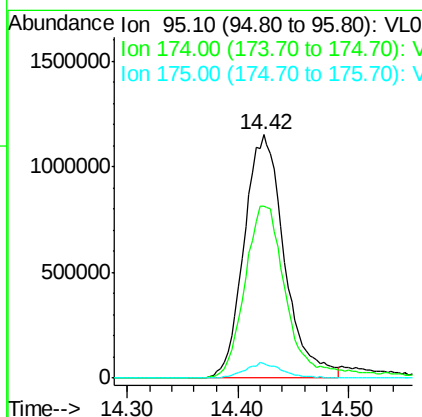
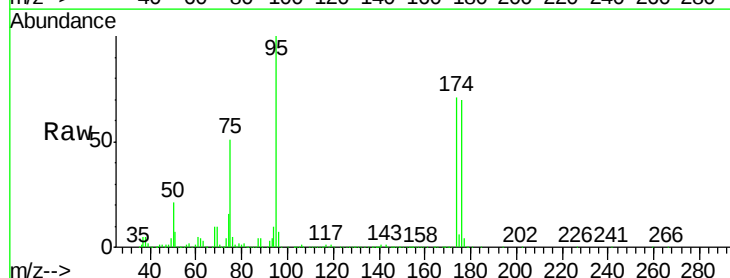
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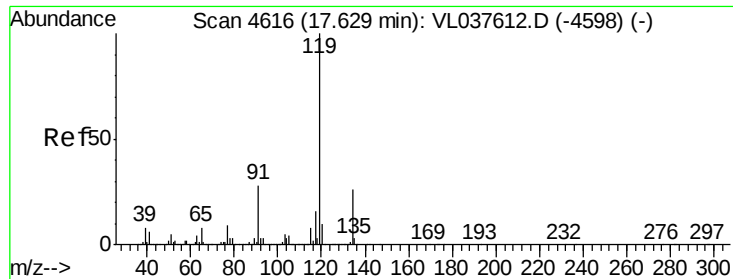
MMDadoda
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.969 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T. 0.03 min
 Lab File: VL037697.D
 Acq: 28 Sep 2021 1:40

Tgt Ion: 95 Resp: 2923279
 Ion Ratio Lower Upper
 95 100
 174 75.4 56.3 84.5
 175 5.6 4.4 6.6





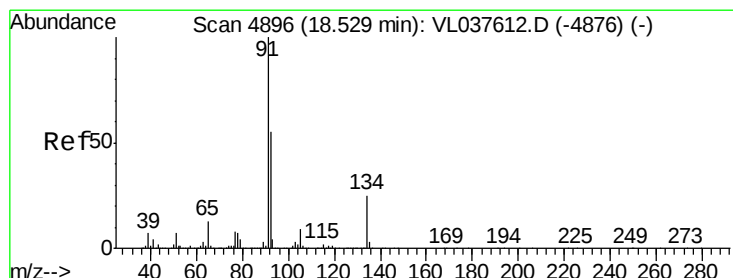
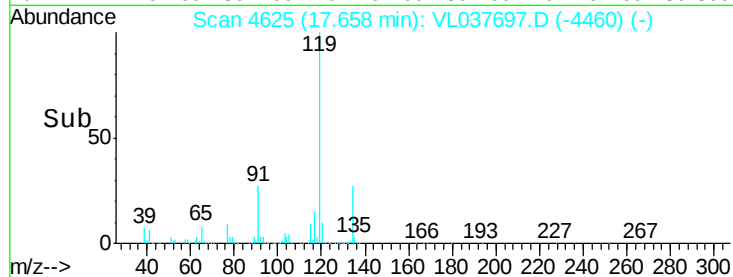
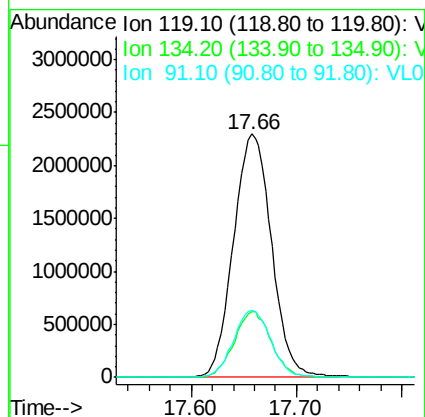
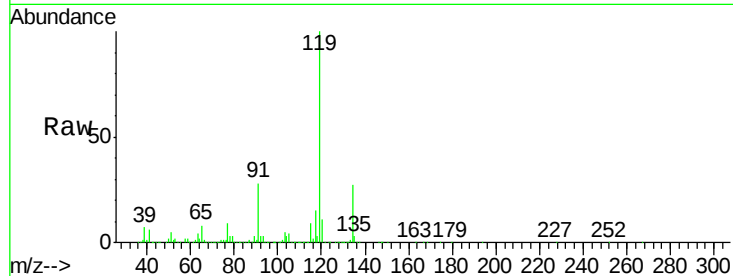
#69
p-Isopropyltoluene
Concen: 9.217 ppbv
RT: 17.66 min Scan# 4625
Delta R.T. 0.03 min
Lab File: VL037697.D
Acq: 28 Sep 2021 1:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 119 Resp: 5749161
Ion Ratio Lower Upper
119 100
134 26.4 21.2 31.8
91 27.1 22.2 33.2

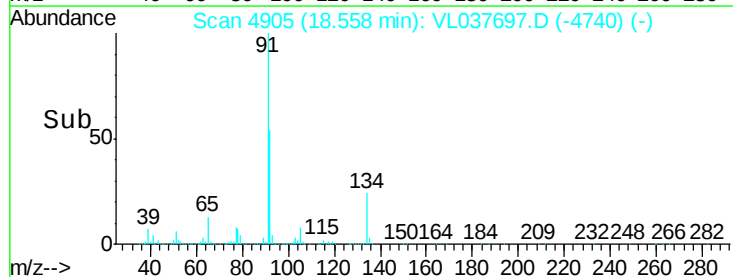
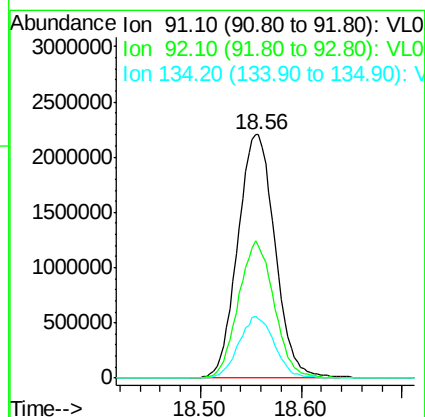
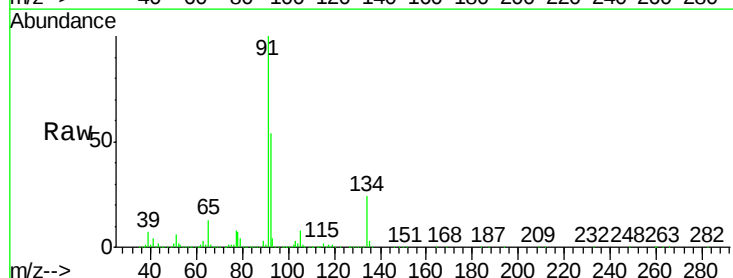
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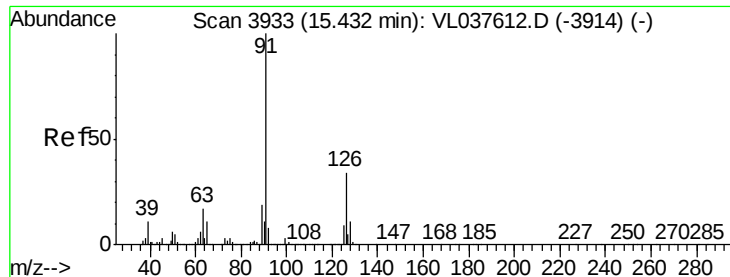
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#70
n-Butylbenzene
Concen: 9.553 ppbv
RT: 18.56 min Scan# 4905
Delta R.T. 0.03 min
Lab File: VL037697.D
Acq: 28 Sep 2021 1:40

Tgt Ion: 91 Resp: 5637658
Ion Ratio Lower Upper
91 100
92 54.2 44.0 66.0
134 24.4 19.5 29.3





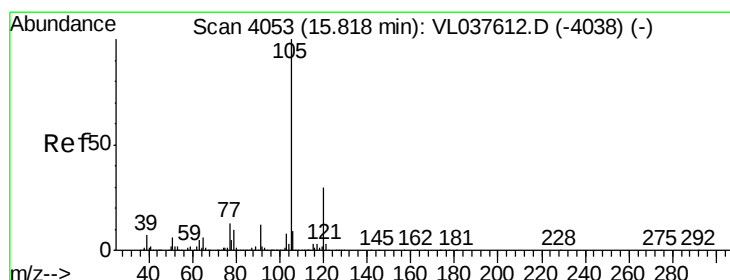
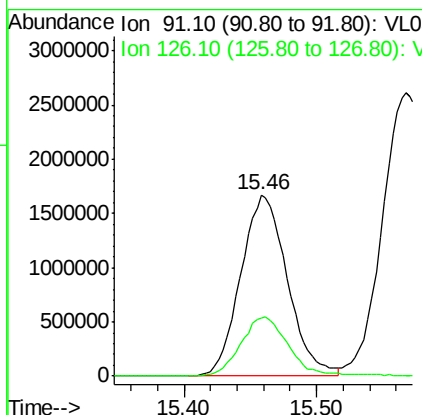
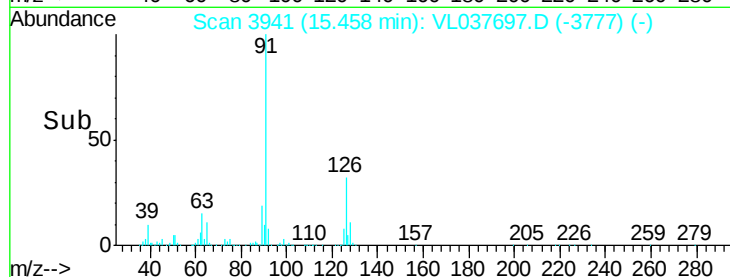
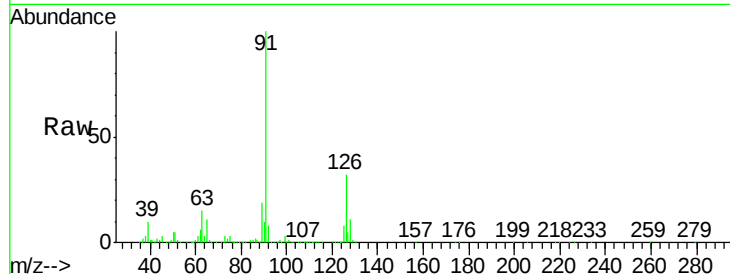
#71
 2-Chlorotoluene
 Concen: 9.128 ppbv
 RT: 15.46 min Scan# 3941
 Delta R.T. 0.03 min
 Lab File: VL037697.D
 Acq: 28 Sep 2021 1:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 91 Resp: 4082902
 Ion Ratio Lower Upper
 91 100
 126 34.1 13.2 52.8

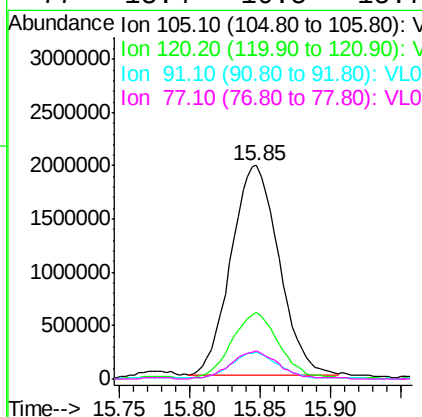
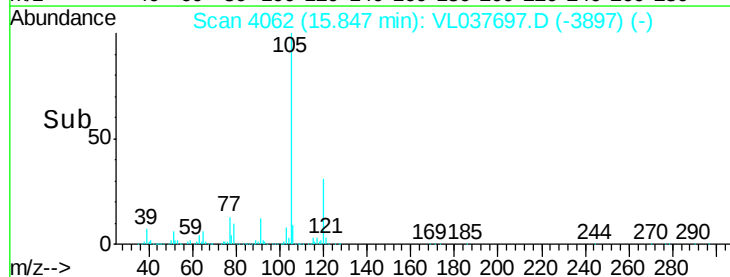
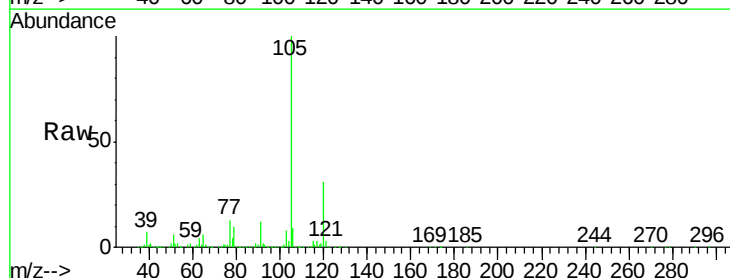
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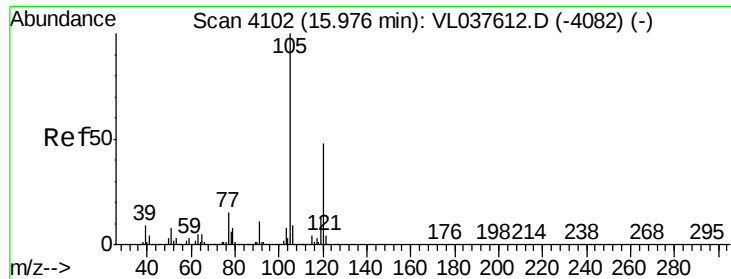
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#72
 4-Ethyltoluene
 Concen: 9.085 ppbv
 RT: 15.85 min Scan# 4062
 Delta R.T. 0.03 min
 Lab File: VL037697.D
 Acq: 28 Sep 2021 1:40

Tgt Ion: 105 Resp: 4659212
 Ion Ratio Lower Upper
 105 100
 120 32.0 24.7 37.1
 91 12.6 9.9 14.9
 77 13.4 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 9.027 ppbv

RT: 16.00 min Scan# 4111

Delta R.T. 0.03 min

Lab File: VL037697.D

Acq: 28 Sep 2021 1:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:105 Resp: 4315392

Ion Ratio Lower Upper

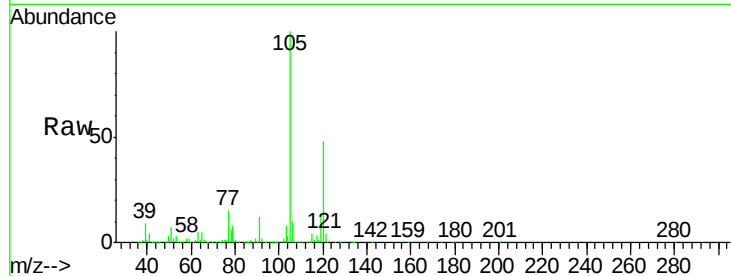
105 100

120 48.7 38.3 57.5

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.00

2000000

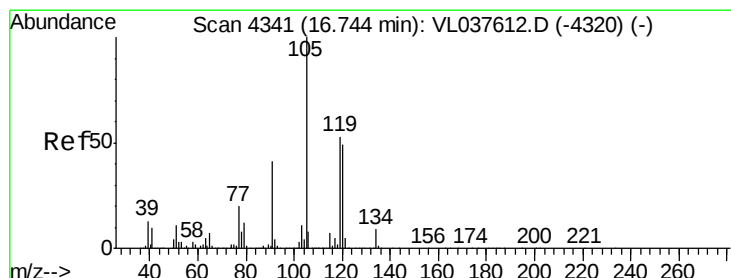
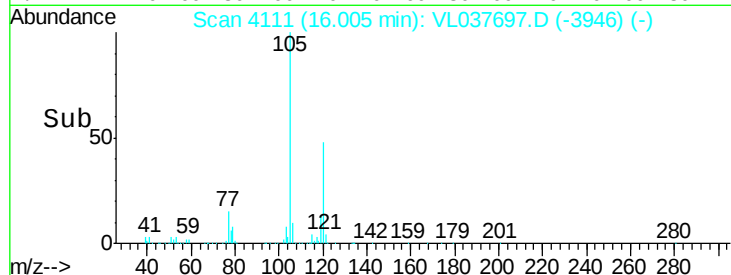
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.898 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. 0.03 min

Lab File: VL037697.D

Acq: 28 Sep 2021 1:40

Tgt Ion:105 Resp: 4480379

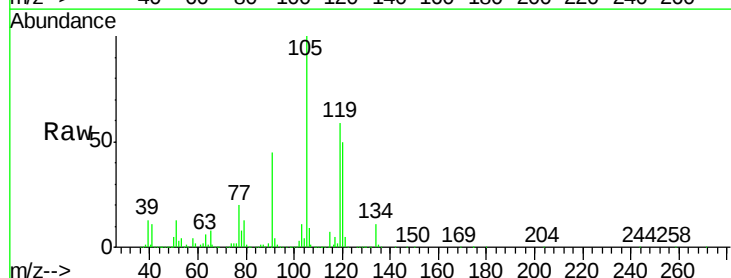
Ion Ratio Lower Upper

105 100

120 50.1 39.4 59.0

91 44.7 33.3 49.9

77 20.0 15.7 23.5



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

2500000

2000000

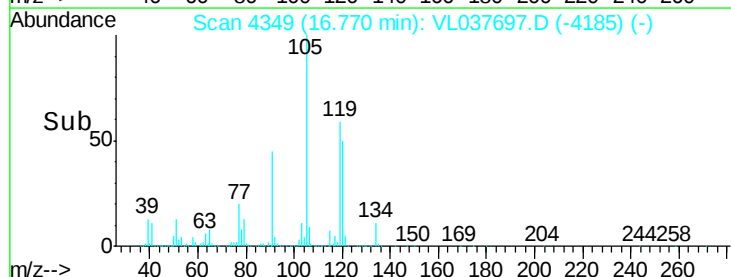
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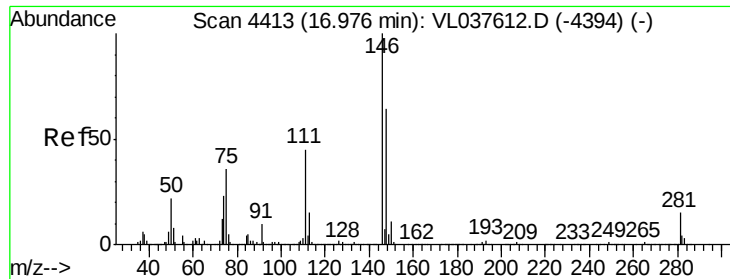
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500000

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Time-->





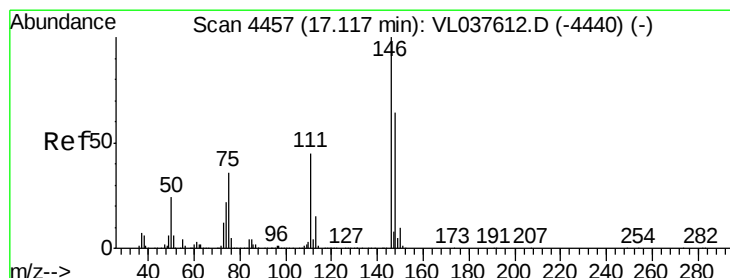
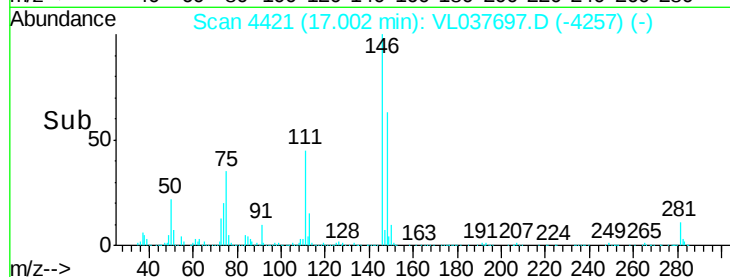
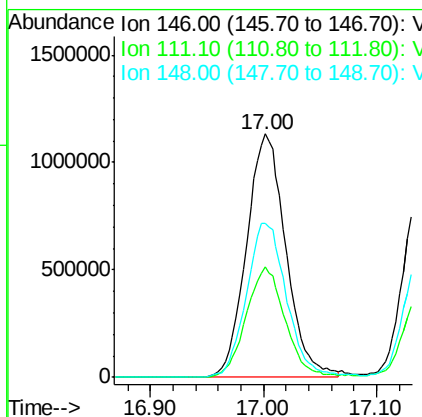
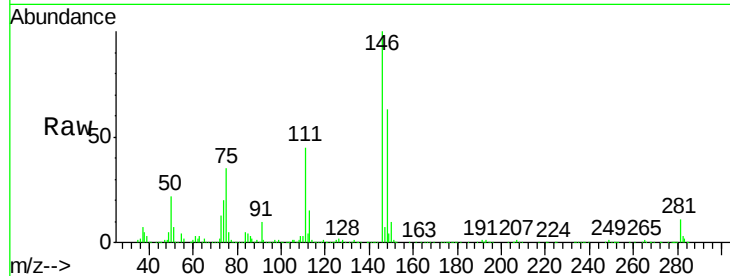
#75
 1,3-Dichlorobenzene
 Concen: 8.743 ppbv
 RT: 17.00 min Scan# 4421
 Delta R.T. 0.03 min
 Lab File: VL037697.D
 Acq: 28 Sep 2021 1:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:146 Resp: 2735110
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.8 68.3
 148 64.9 32.1 96.5

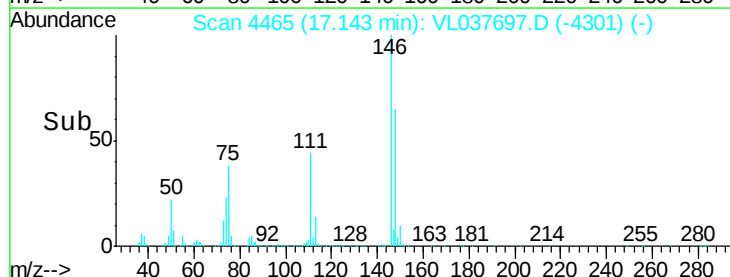
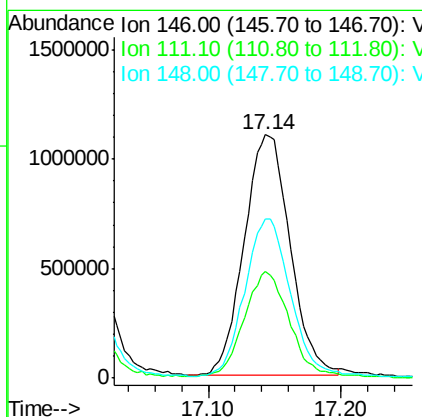
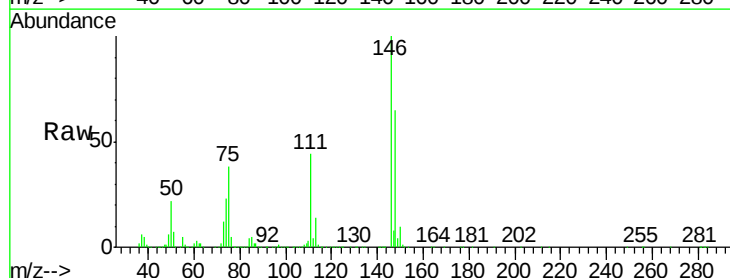
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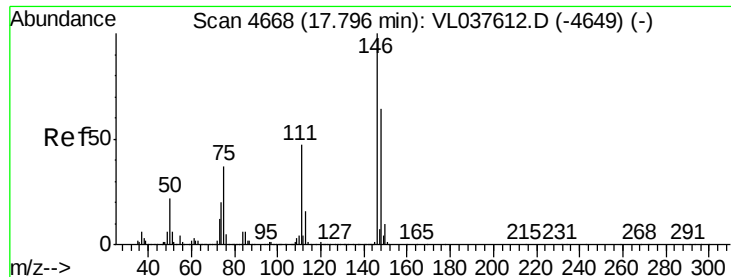
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#76
 1,4-Dichlorobenzene
 Concen: 8.567 ppbv
 RT: 17.14 min Scan# 4465
 Delta R.T. 0.03 min
 Lab File: VL037697.D
 Acq: 28 Sep 2021 1:40

Tgt Ion:146 Resp: 2643259
 Ion Ratio Lower Upper
 146 100
 111 45.0 22.5 67.5
 148 67.3 32.9 98.6





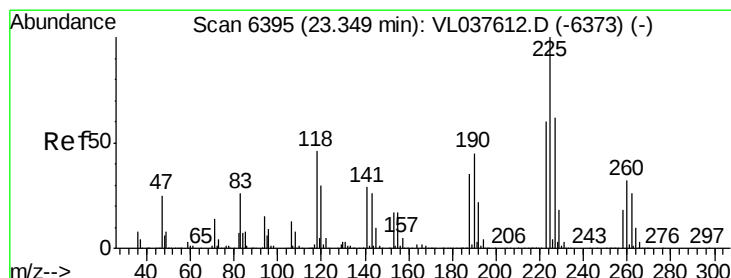
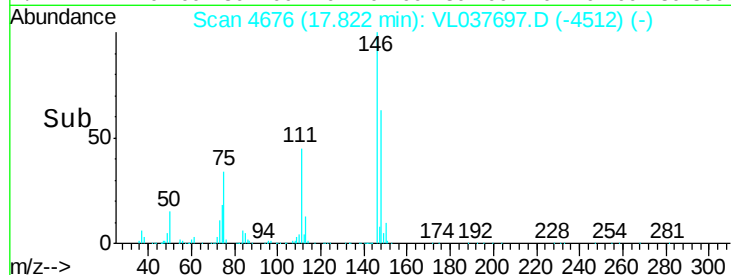
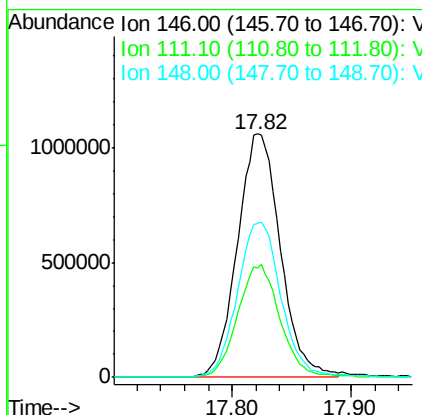
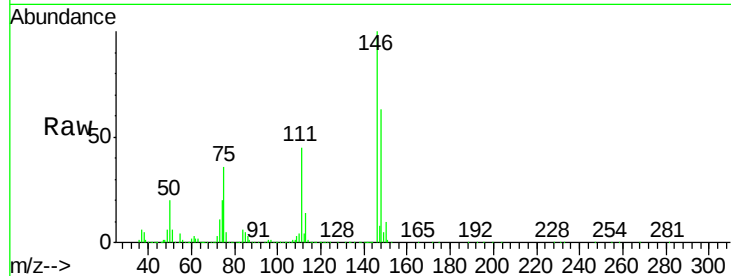
#77
 1,2-Dichlorobenzene
 Concen: 8.877 ppbv
 RT: 17.82 min Scan# 4676
 Delta R.T. 0.03 min
 Lab File: VL037697.D
 Acq: 28 Sep 2021 1:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:146 Resp: 2633825
 Ion Ratio Lower Upper
 146 100
 111 46.0 24.0 72.0
 148 64.9 32.8 98.3

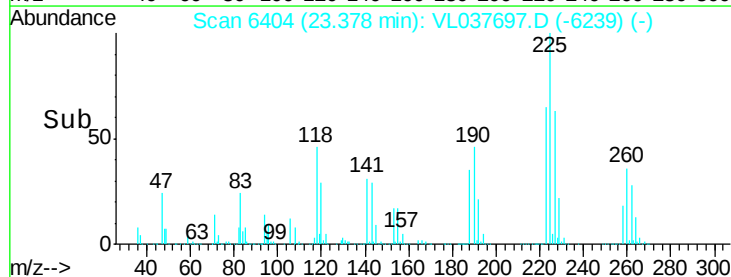
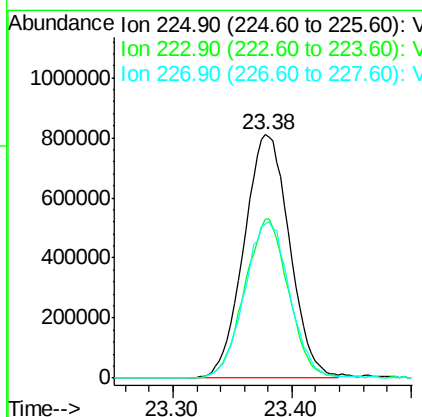
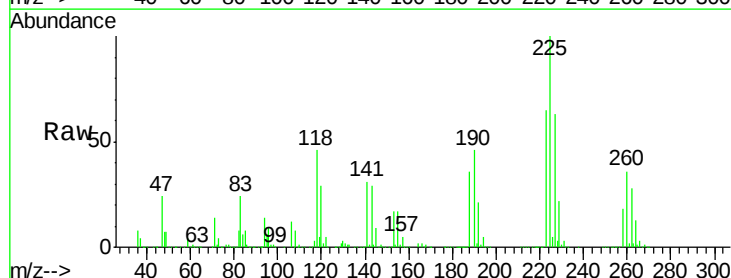
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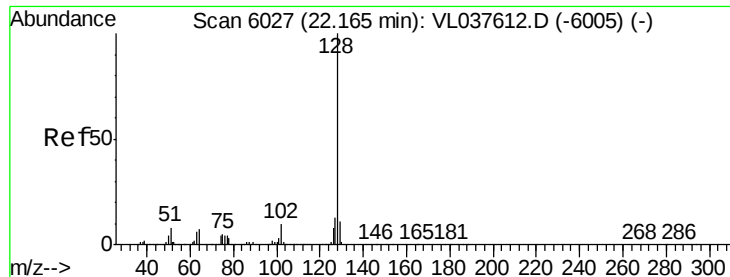
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.616 ppbv
 RT: 23.38 min Scan# 6404
 Delta R.T. 0.03 min
 Lab File: VL037697.D
 Acq: 28 Sep 2021 1:40

Tgt Ion:225 Resp: 2151736
 Ion Ratio Lower Upper
 225 100
 223 63.5 51.1 76.7
 227 64.5 52.2 78.4





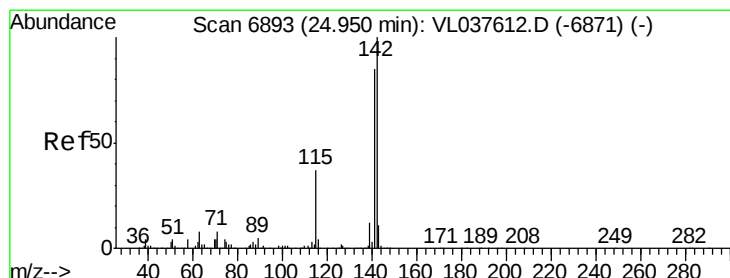
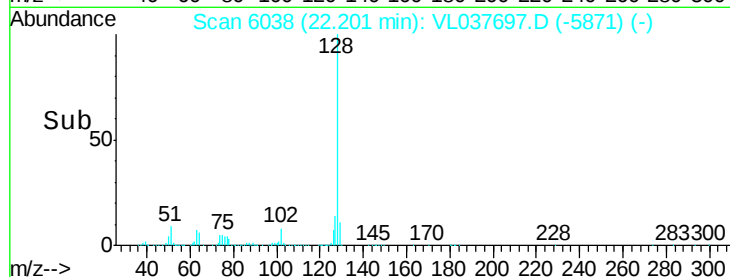
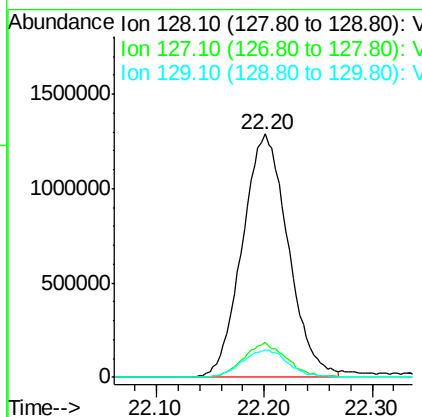
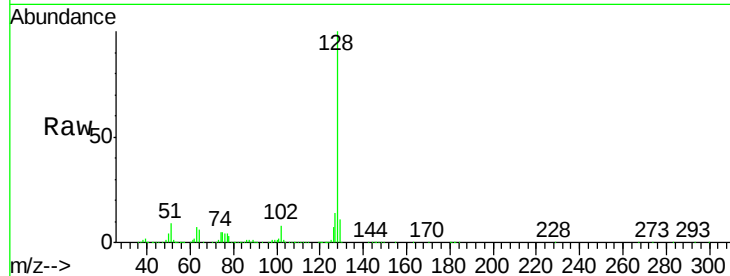
#79
Naphthalene
Concen: 12.246 ppbv
RT: 22.20 min Scan# 6038
Delta R.T. 0.04 min
Lab File: VL037697.D
Acq: 28 Sep 2021 1:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.6	16.0
129	11.3	8.6	12.8

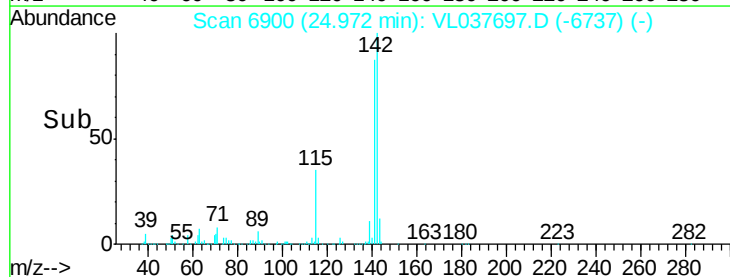
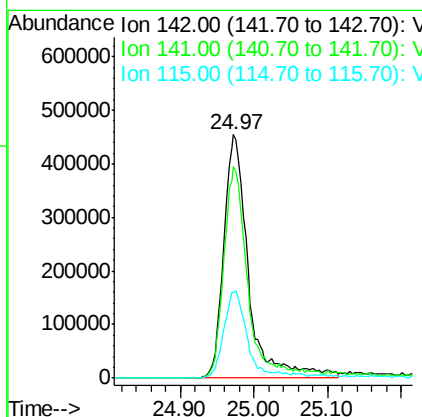
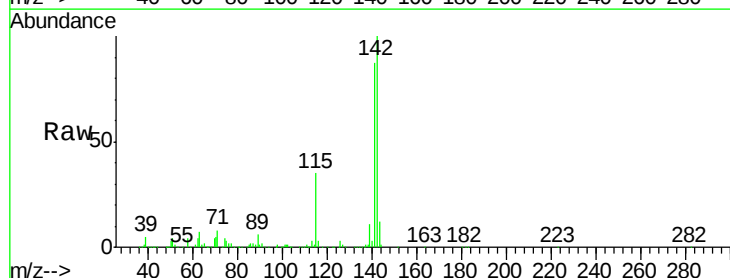
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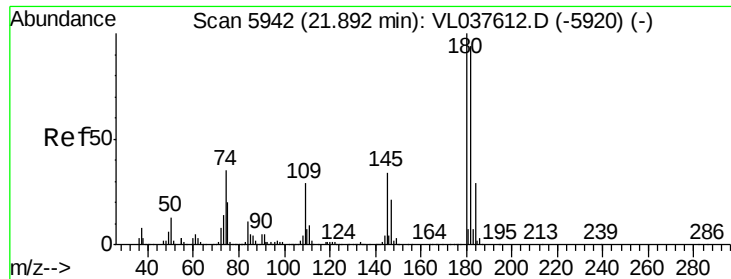
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#80
Naphthalene, 2-methyl-
Concen: 14.986 ppbv
RT: 24.97 min Scan# 6900
Delta R.T. 0.02 min
Lab File: VL037697.D
Acq: 28 Sep 2021 1:40

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.5	70.9	106.3
115	37.0	29.6	44.4





#81
 1,2,4-Trichlorobenzene
 Concen: 11.097 ppbv
 RT: 21.93 min Scan# 5954
 Delta R.T. 0.04 min
 Lab File: VL037697.D
 Acq: 28 Sep 2021 1:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 2202662
 Ion Ratio Lower Upper
 180 100
 182 100.8 78.9 118.3
 184 31.0 24.7 37.1

Manual Integrations
 APPROVED

MMDadoda
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