

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110420\
 Data File : VL035828.D
 Acq On : 4 Nov 2020 9:00
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:16:21 PM

Quant Time: Nov 05 03:22:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1057177	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	4818108	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	4780778m	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	3254947	9.58	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1822286	9.156	ppbv	100
3) Chlorodifluoromethane	2.96	51	1176970	9.297	ppbv	97
4) Chloromethane	3.11	50	572208	9.304	ppbv	100
5) Vinyl Chloride	3.23	62	747469	9.534	ppbv	98
6) Bromomethane	3.45	94	652446	10.348	ppbv	100
7) Chloroethane	3.53	64	278553	10.095	ppbv	97
8) Dichlorotetrafluoroethane	3.16	85	2253519	9.893	ppbv	100
9) Propene	2.99	41	439787	9.491	ppbv	99
10) Heptane	8.09	43	1218997	9.525	ppbv	97
11) Trichlorofluoromethane	3.92	101	2473211	9.896	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1863431	10.014	ppbv	97
13) Ethanol	3.58	45	70586	7.022	ppbv	96
14) Bromoethene	3.71	108	870081	10.160	ppbv	99
15) Acetone	3.82	43	983918	8.706	ppbv	99
16) 1,3-Butadiene	3.30	39	451500	9.279	ppbv	96
17) tert-Butyl alcohol	4.27	59	1415557	9.451	ppbv	100
18) 1,1-Dichloroethene	4.26	96	874382	10.234	ppbv	98
19) Isopropyl Alcohol	3.94	45	570229	8.210	ppbv	99
20) Methylene Chloride	4.31	84	716654	9.007	ppbv	99
21) Allyl Chloride	4.38	41	611559	10.006	ppbv	95
22) trans-1,2-Dichloroethene	4.86	96	899186	10.382	ppbv	100
23) Vinyl Acetate	5.04	43	1469186	9.274	ppbv	98
24) 1,1-Dichloroethane	4.98	63	1457078	9.654	ppbv	100
25) Ethyl Acetate	5.65	43	2095211	9.410	ppbv	99
26) Hexane	5.66	57	1163611	9.476	ppbv	96
27) Carbon Disulfide	4.52	76	1873459	10.182	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	2170030	9.841	ppbv	98
29) Chloroform	5.73	83	2392903	9.915	ppbv	99
30) Cyclohexane	7.10	84	1323834	9.899	ppbv	94
31) cis-1,2-Dichloroethene	5.52	61	1251422	9.907	ppbv	93
32) 1,1,1-Trichloroethane	6.48	97	2416255	9.594	ppbv	99
34) 2-Butanone	5.21	43	1328444	8.496	ppbv	96
35) Carbon Tetrachloride	6.99	117	2424788	9.419	ppbv	99
36) Benzene	6.86	78	3159036	8.819	ppbv	98
37) 1,2-Dichloroethane	6.28	62	1490042	9.182	ppbv	99
38) Trichloroethene	7.81	130	1518647	8.680	ppbv	98
39) 1,2-Dichloropropane	7.58	63	1027861	8.523	ppbv	97
40) 1,4-Dioxane	7.80	88	456461	7.986	ppbv	92
41) Tetrahydrofuran	6.02	42	789564	8.888	ppbv	91
42) Bromodichloromethane	7.76	83	2495315	9.113	ppbv	99
43) Methyl Methacrylate	7.98	69	1259871	9.221	ppbv	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	3936123	8.304	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1426434	9.849	ppbv	98
46) cis-1,3-Dichloropropene	8.67	75	1724381	9.401	ppbv	96
47) 1,1,2-Trichloroethane	9.45	97	1471423	8.955	ppbv	99
48) Dibromochloromethane	10.28	129	2428862	9.675	ppbv	99
49) Bromoform	13.01	173	2078161	9.810	ppbv	100
50) 4-Methyl-2-Pentanone	8.71	43	2034884	8.510	ppbv	96
51) 2-Hexanone	10.10	43	1692831	8.813	ppbv #	96
52) Tetrachloroethene	11.19	164	1450496	8.547	ppbv	99
53) Toluene	9.78	91	3883135	8.984	ppbv	100
54) 1,2-Dibromoethane	10.58	107	2287879	9.155	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	1900371	8.857	ppbv	99
57) Chlorobenzene	12.12	112	3150636	8.289	ppbv	97
58) Ethyl Benzene	12.68	91	4983110	8.558	ppbv	99
59) m/p-Xylene	12.97	91	8232786m	16.712	ppbv	
60) o-Xylene	13.66	91	3972947	8.290	ppbv	99
61) Styrene	13.50	104	3184067	9.068	ppbv	98
62) Isopropylbenzene	14.64	105	6152798	8.169	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	2734561	7.364	ppbv	99
64) n-propylbenzene	15.53	120	1863908	8.561	ppbv	93
65) tert-Butylbenzene	16.72	119	5495240	8.015	ppbv	97
66) Benzyl Chloride	16.96	91	1941179	8.566	ppbv	98
67) sec-Butylbenzene	17.27	105	7283670	7.883	ppbv	99
69) p-Isopropyltoluene	17.63	119	6146015	8.061	ppbv	98
70) n-Butylbenzene	18.53	91	5824754	7.933	ppbv	99
71) 2-Chlorotoluene	15.43	91	4556356	8.270	ppbv	97
72) 4-Ethyltoluene	15.81	105	4915182	8.457	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4461616	8.388	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	4533864	7.955	ppbv	99
75) 1,3-Dichlorobenzene	16.97	146	2952704	8.137	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2952758	8.435	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	2894159	8.181	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1320764	8.002	ppbv	100
79) Naphthalene	22.17	128	3598881	9.058	ppbv	100
80) Naphthalene, 2-methyl-	24.96	142	755369	11.667	ppbv	97
81) 1,2,4-Trichlorobenzene	21.90	180	1934542	8.715	ppbv	99

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

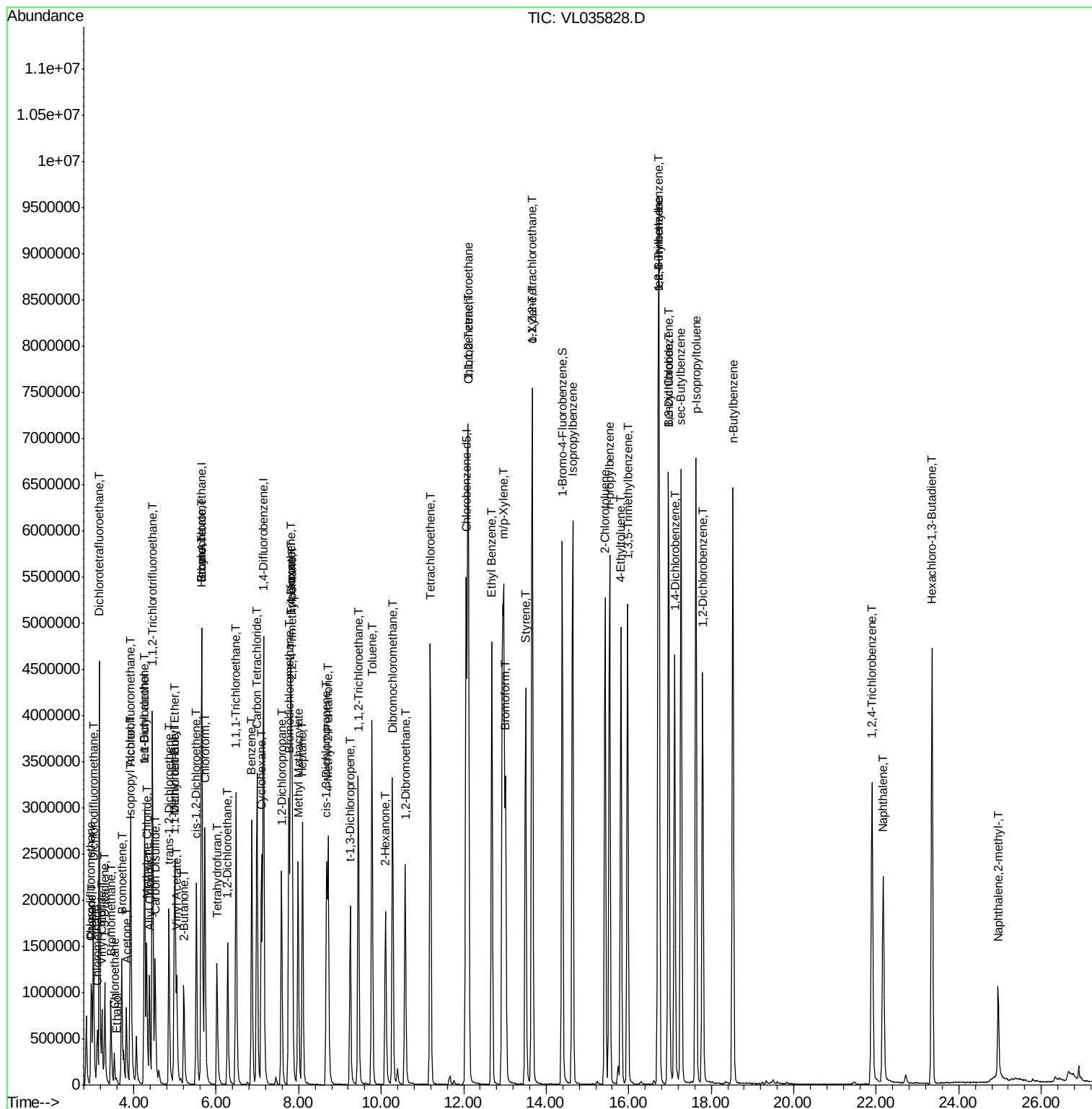
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL110420\
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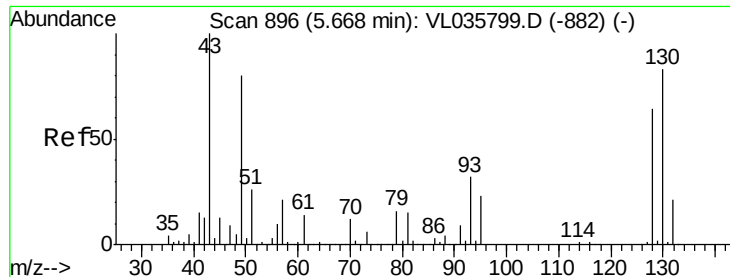
Instrument :
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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1057177

Ion Ratio Lower Upper

49 100

128 94.3 41.5 124.6

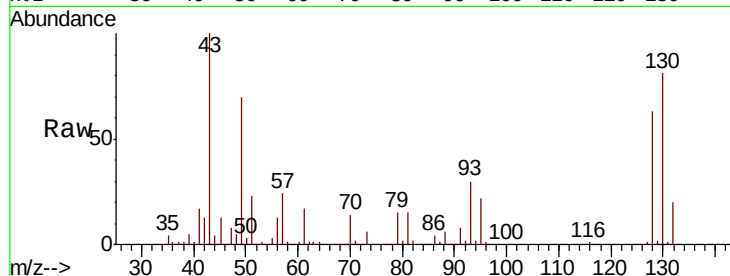
130 120.5 53.7 161.1

Manual Integrations

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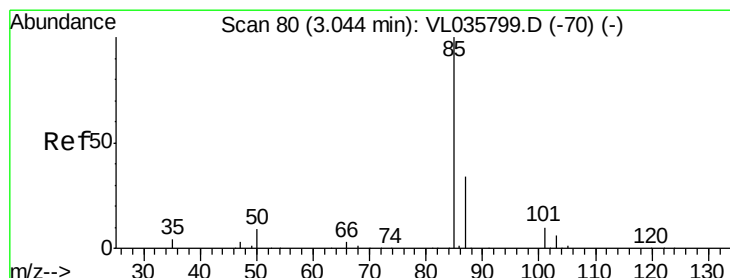
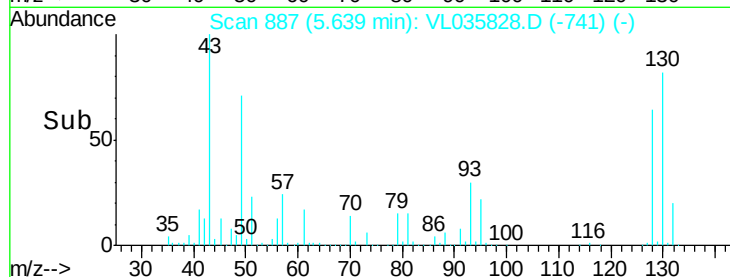
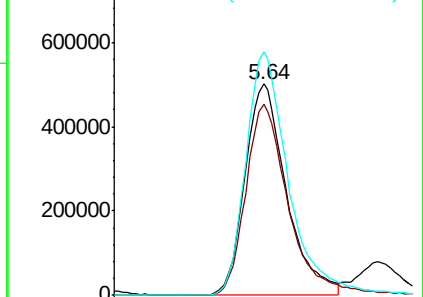
11/5/2020 2:16:21 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.156 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.02 min

Lab File: VL035828.D

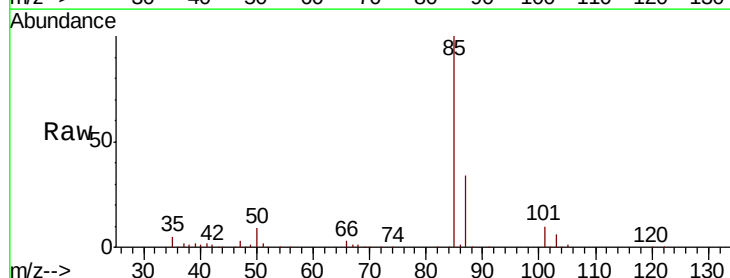
Acq: 4 Nov 2020 9:00

Tgt Ion: 85 Resp: 1822286

Ion Ratio Lower Upper

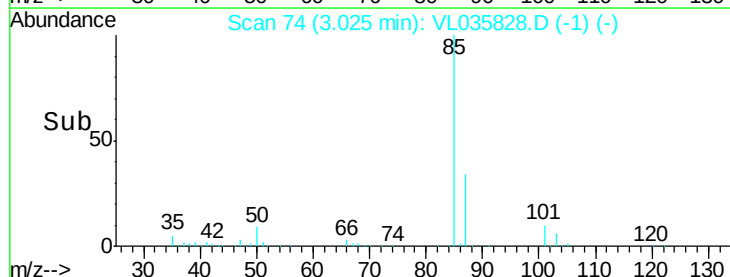
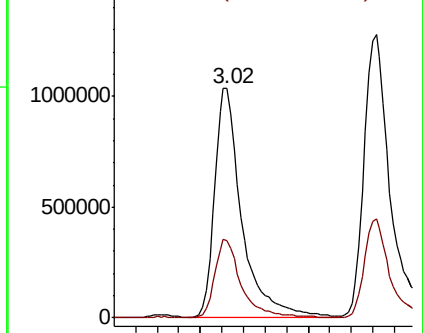
85 100

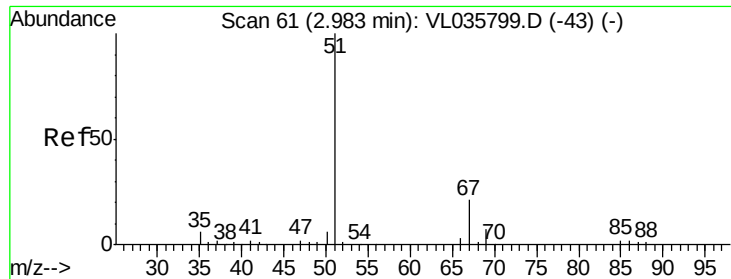
87 33.7 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.297 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.02 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Tot Ion: 51 Resp: 1176970

Ion Ratio Lower Upper

51 100

67 22.6 17.0 25.4

Instrument :

MSVOA_L

ClientSampleId :

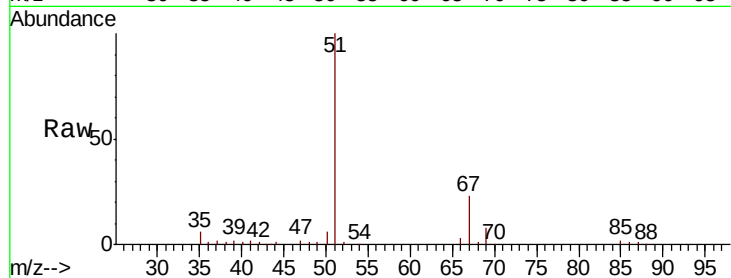
VSTDCCC010

Manual Integrations

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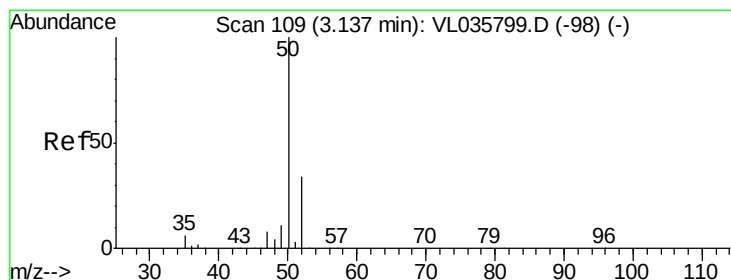
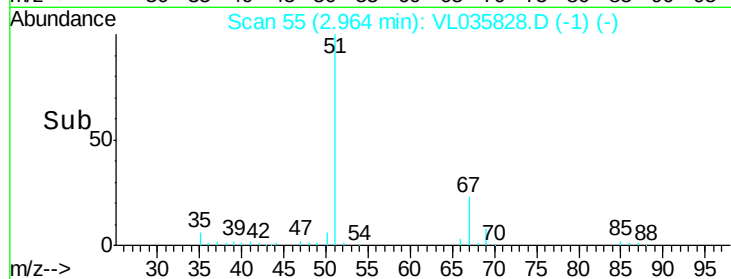
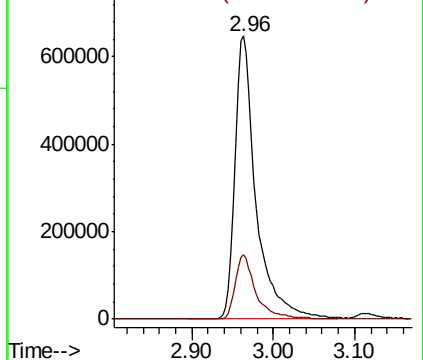
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.304 ppbv

RT: 3.11 min Scan# 102

Delta R.T. -0.02 min

Lab File: VL035828.D

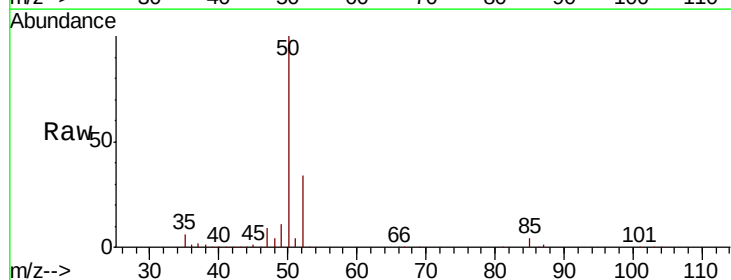
Acq: 4 Nov 2020 9:00

Tgt Ion: 50 Resp: 572208

Ion Ratio Lower Upper

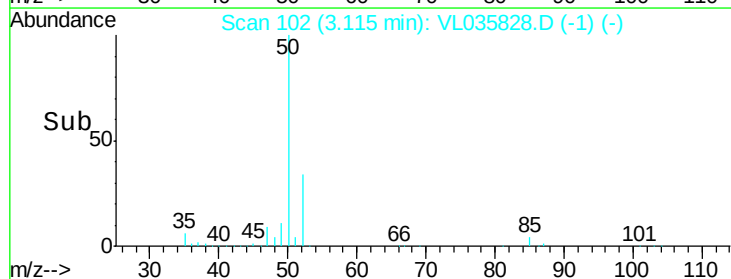
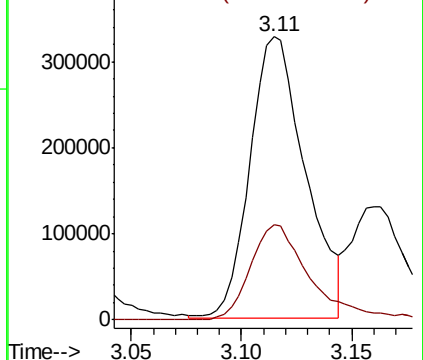
50 100

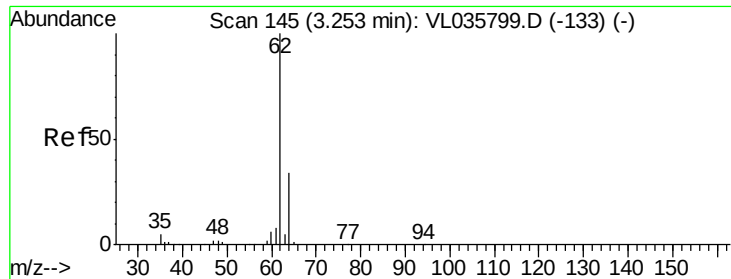
52 34.1 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.534 ppbv

RT: 3.23 min Scan# 138

Delta R.T. -0.02 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 747469

Ion Ratio Lower Upper

62 100

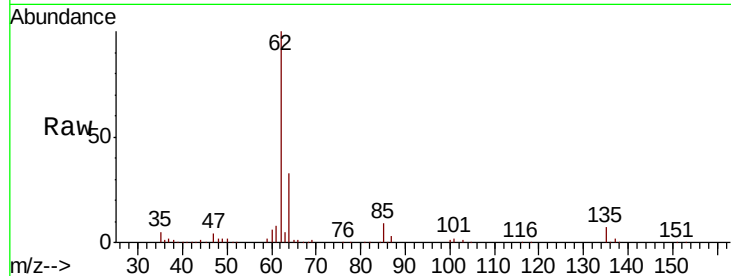
64 32.6 26.9 40.3

Manual Integrations

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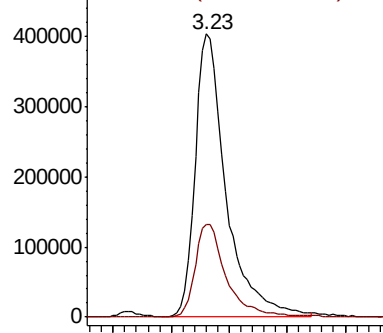
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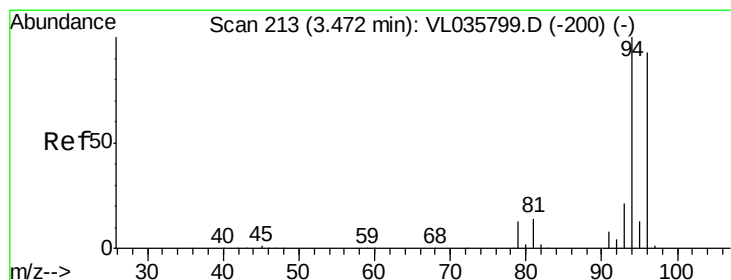
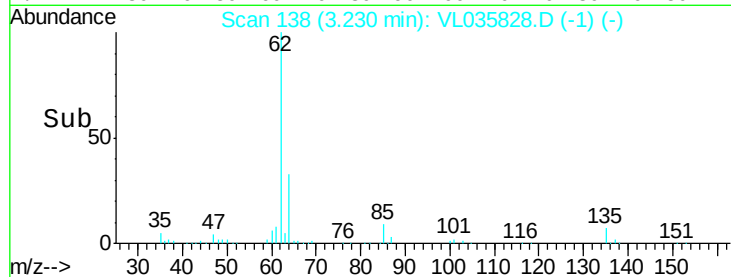


Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



Time-->



#6

Bromomethane

Concen: 10.348 ppbv

RT: 3.45 min Scan# 205

Delta R.T. -0.03 min

Lab File: VL035828.D

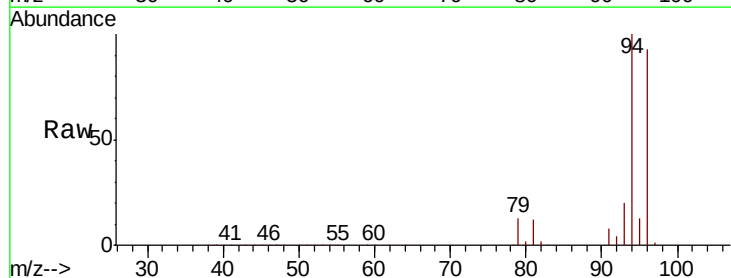
Acq: 4 Nov 2020 9:00

Tgt Ion: 94 Resp: 652446

Ion Ratio Lower Upper

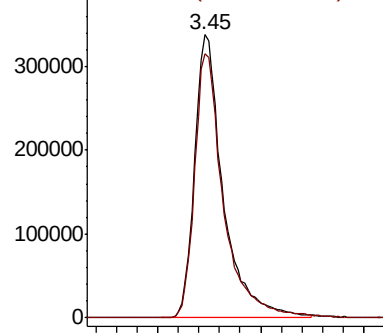
94 100

96 93.2 74.6 111.8

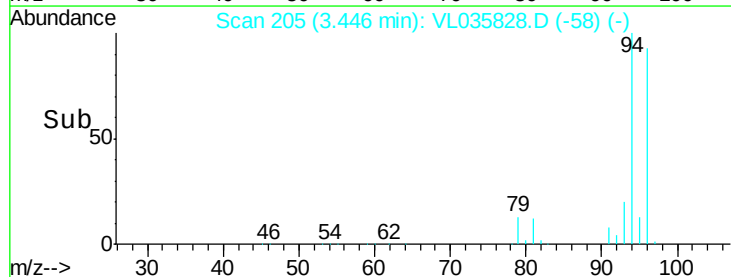


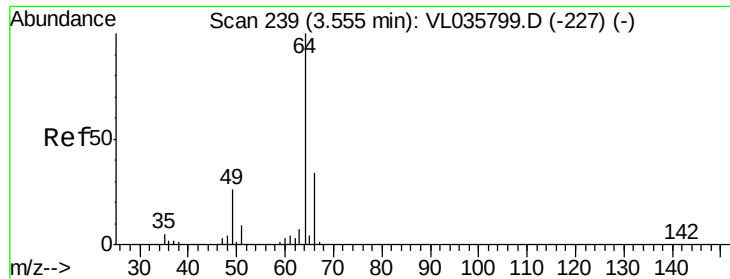
Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0



Time-->





#7

Chloroethane

Concen: 10.095 ppbv

RT: 3.53 min Scan# 231

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

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ClientSampleId :

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Tot Ion: 64 Resp: 278553

Ion Ratio Lower Upper

64 100

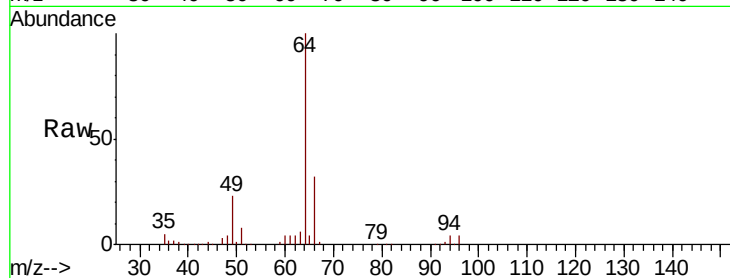
66 32.3 27.0 40.6

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.53

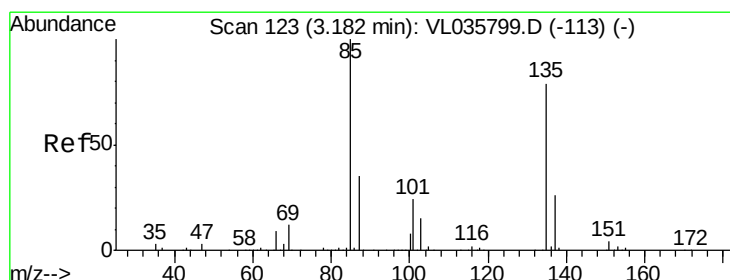
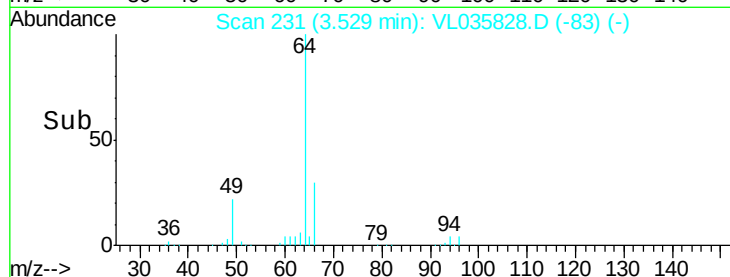
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.893 ppbv

RT: 3.16 min Scan# 117

Delta R.T. -0.02 min

Lab File: VL035828.D

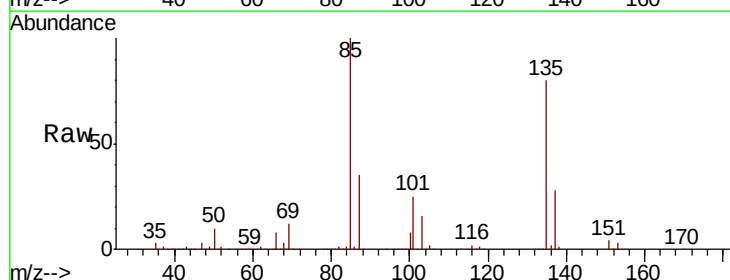
Acq: 4 Nov 2020 9:00

Tgt Ion: 85 Resp: 2253519

Ion Ratio Lower Upper

85 100

135 80.6 64.6 96.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

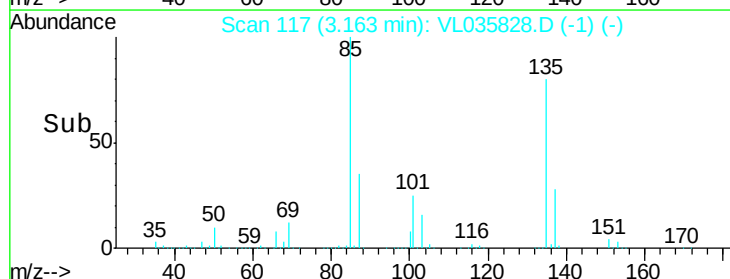
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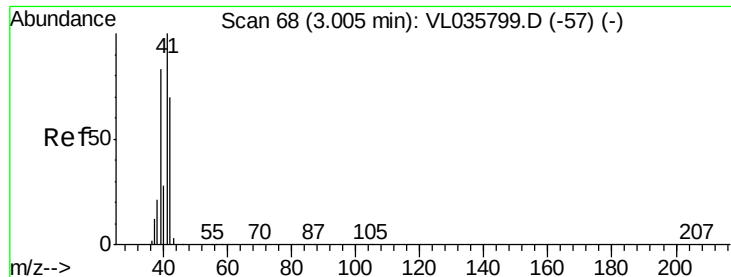
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500000

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Time-->





#9

Propene

Concen: 9.491 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.02 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 439787

Ion Ratio Lower Upper

41 100

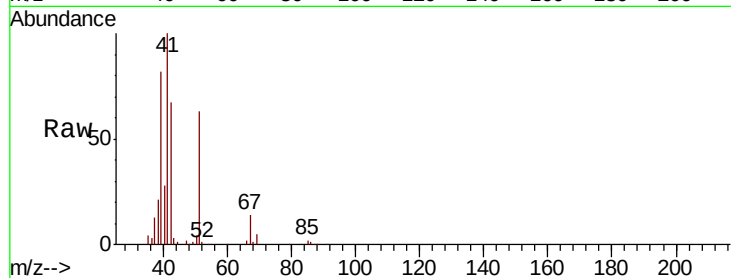
42 69.2 56.2 84.4

Manual Integrations

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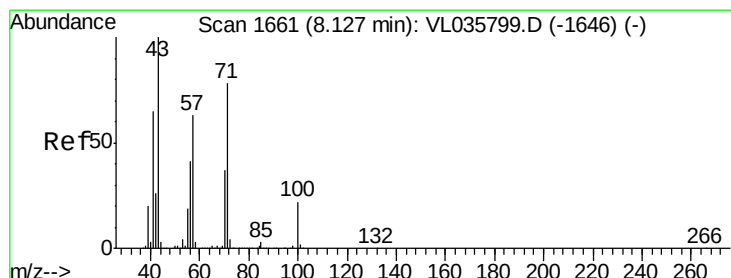
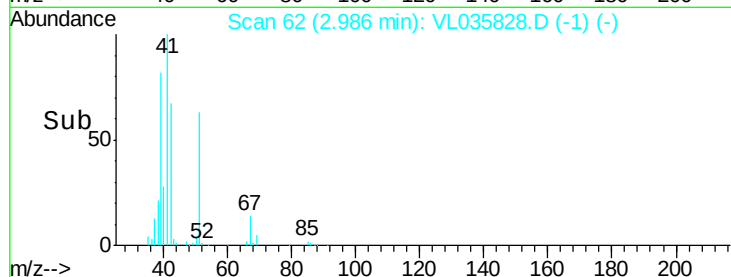
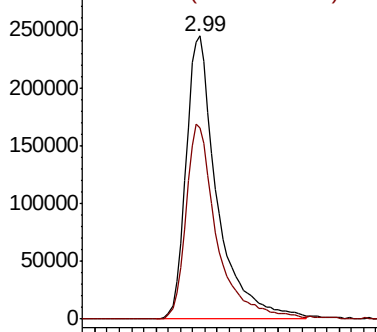
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.525 ppbv

RT: 8.09 min Scan# 1650

Delta R.T. -0.04 min

Lab File: VL035828.D

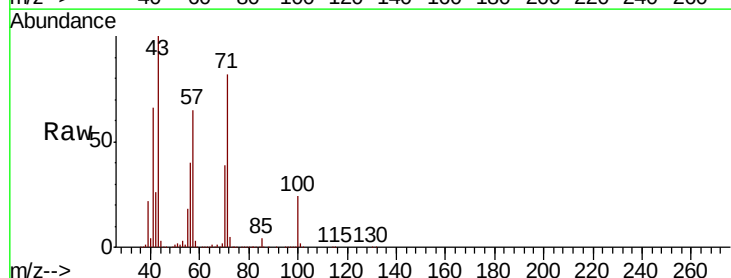
Acq: 4 Nov 2020 9:00

Tgt Ion: 43 Resp: 1218997

Ion Ratio Lower Upper

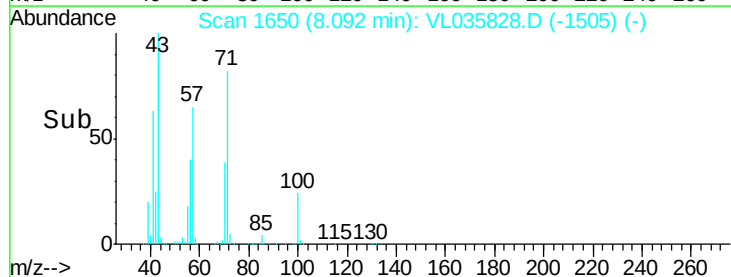
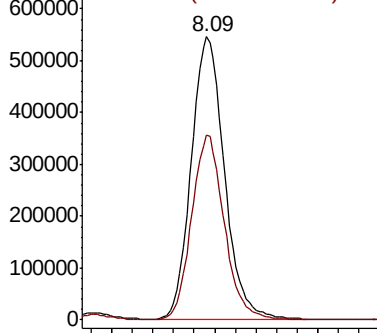
43 100

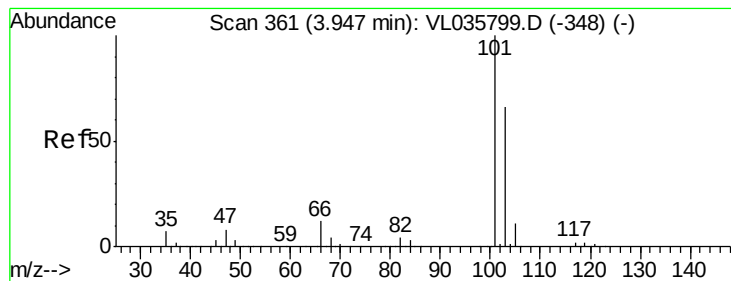
57 64.9 50.0 75.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 9.896 ppbv

RT: 3.92 min Scan# 353

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:101 Resp: 2473211

Ion Ratio Lower Upper

101 100

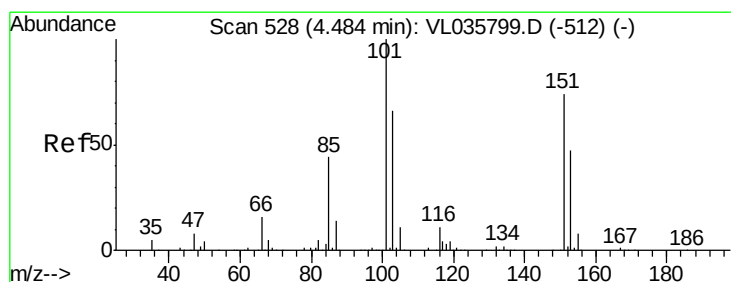
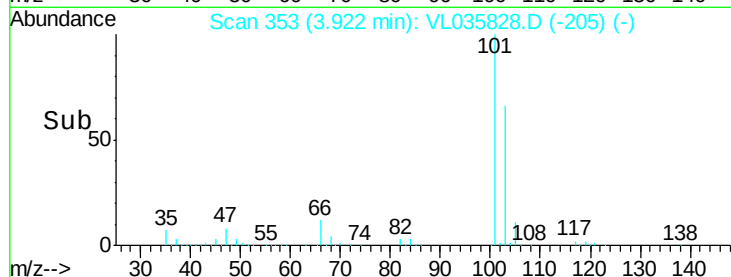
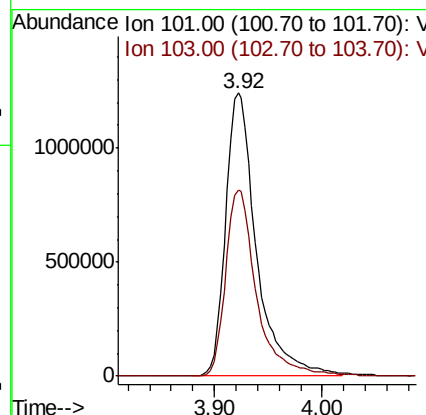
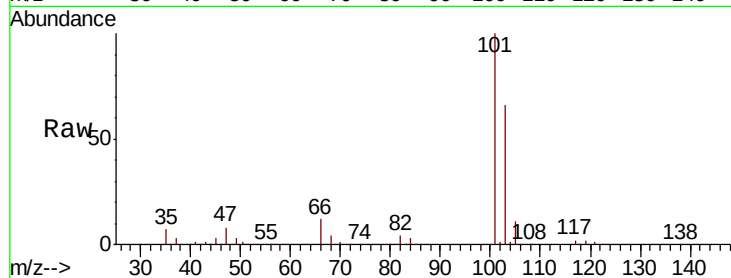
103 65.9 53.0 79.4

Manual Integrations

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.014 ppbv

RT: 4.46 min Scan# 519

Delta R.T. -0.03 min

Lab File: VL035828.D

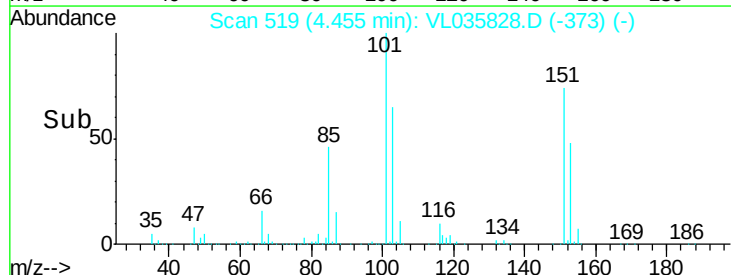
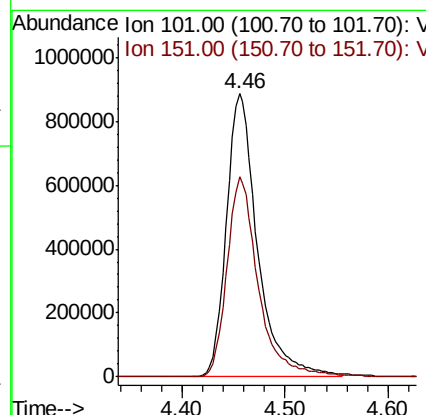
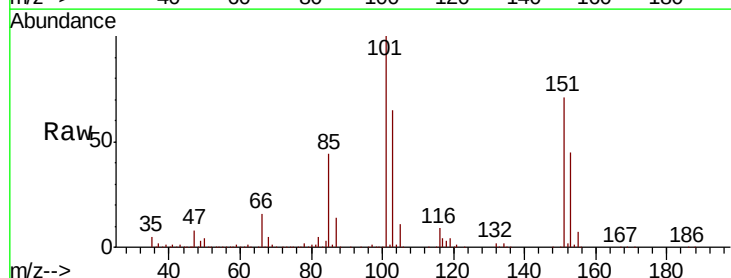
Acq: 4 Nov 2020 9:00

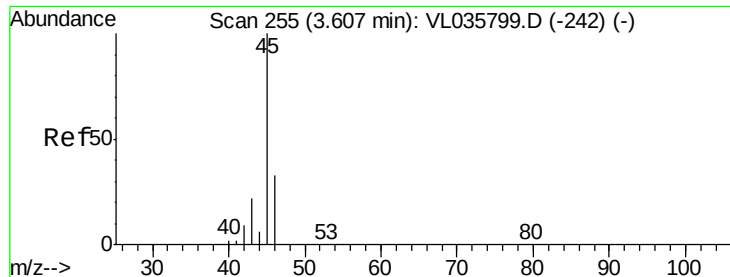
Tgt Ion:101 Resp: 1863431

Ion Ratio Lower Upper

101 100

151 71.5 58.9 88.3





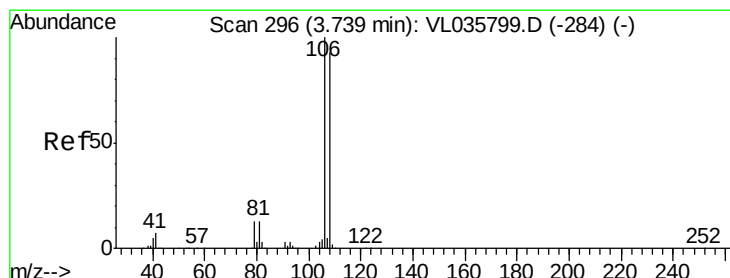
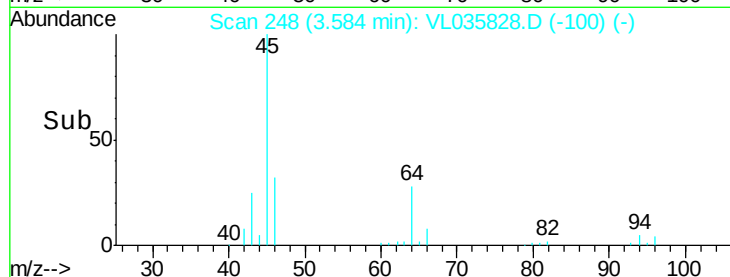
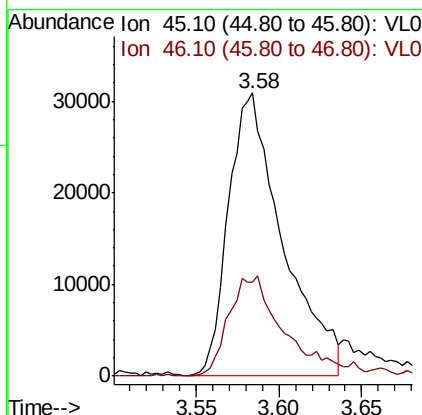
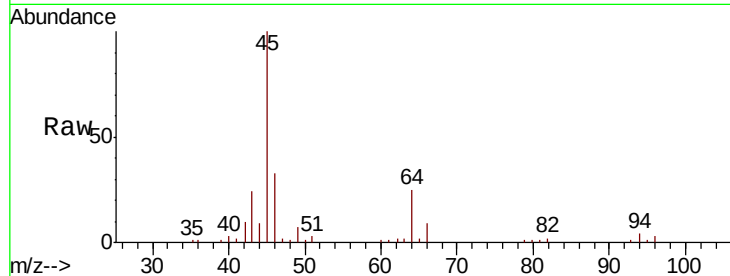
#13
Ethanol
Concen: 7.022 ppbv
RT: 3.58 min Scan# 248
Delta R.T. -0.02 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	45	46	Ratio	Lower	Upper
45	100				
46	38.0		16.1	64.5	

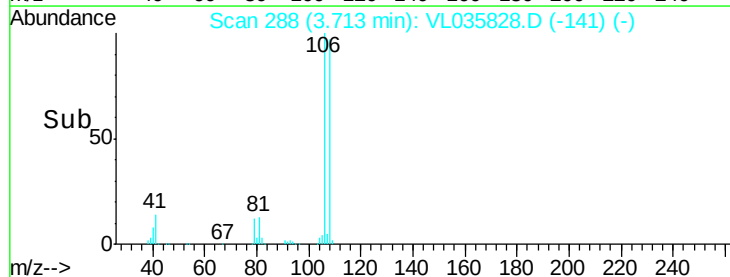
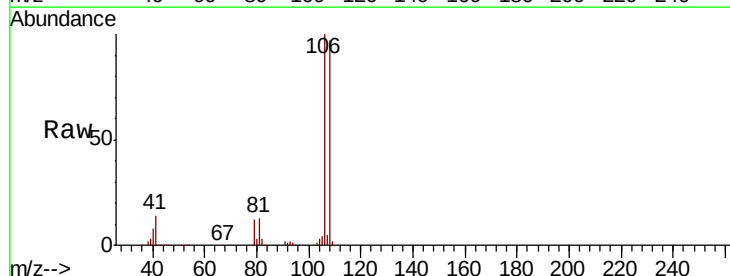
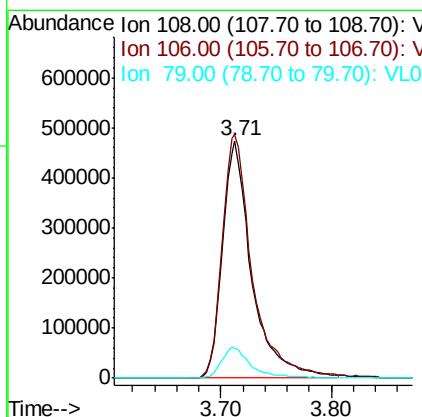
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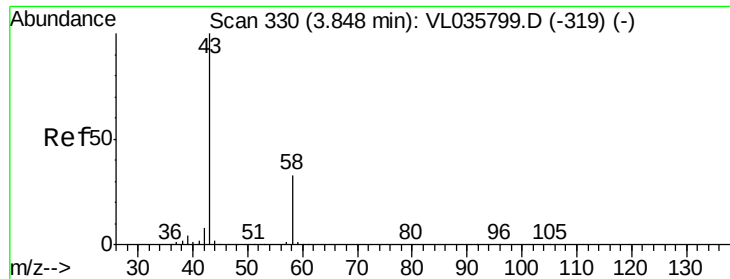
MMDadoda
11/5/2020 2:16:21 PM



#14
Bromoethene
Concen: 10.160 ppbv
RT: 3.71 min Scan# 288
Delta R.T. -0.03 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Tgt Ion	108	106	79	Ratio	Lower	Upper
108	100					
106	106.9			85.3	127.9	
79	13.4			11.6	17.4	





#15

Acetone

Concen: 8.706 ppbv

RT: 3.82 min Scan# 322

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 983918

Ion Ratio Lower Upper

43 100

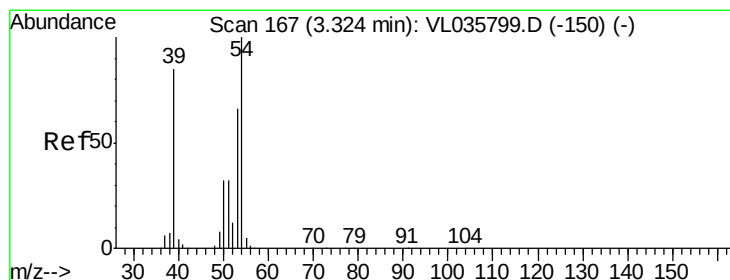
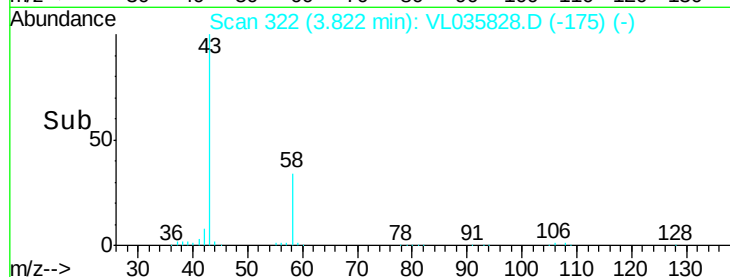
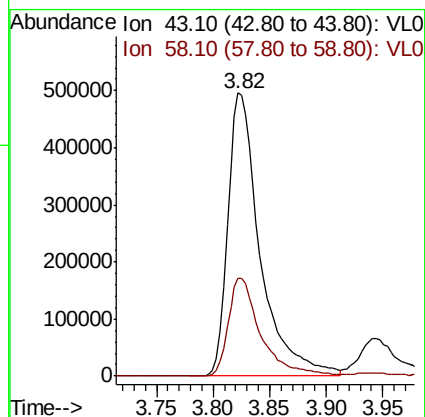
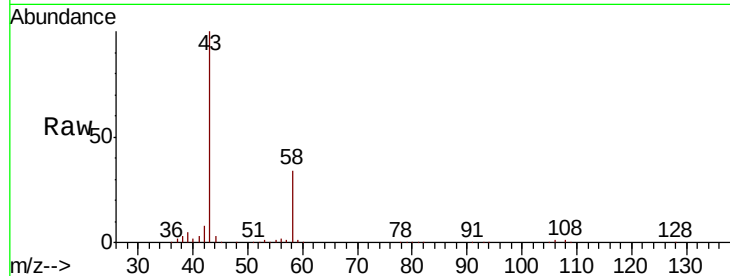
58 34.9 27.5 41.3

Manual Integrations

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#16

1,3-Butadiene

Concen: 9.279 ppbv

RT: 3.30 min Scan# 160

Delta R.T. -0.02 min

Lab File: VL035828.D

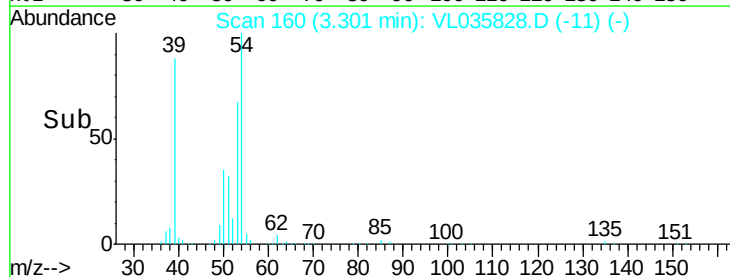
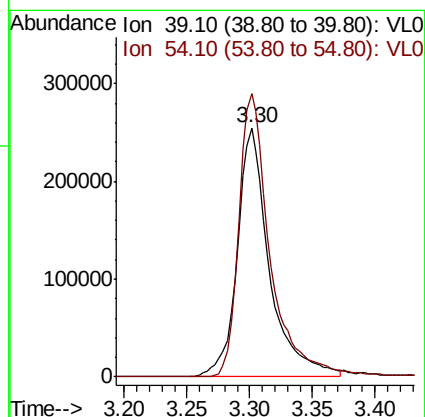
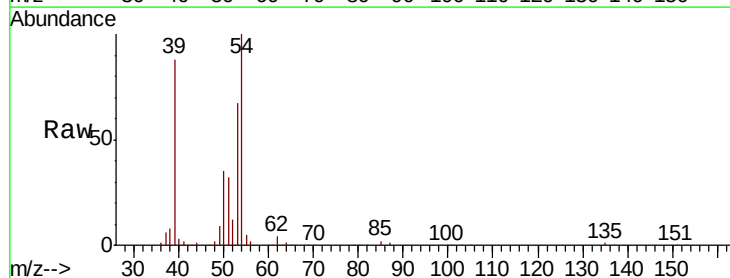
Acq: 4 Nov 2020 9:00

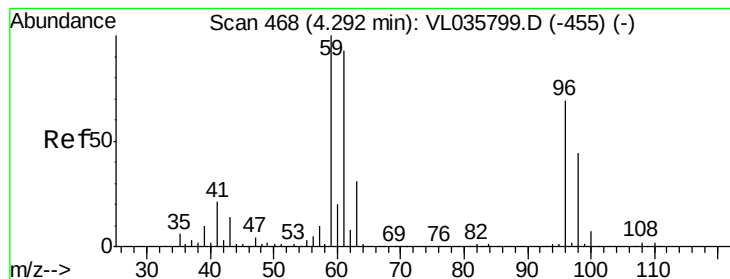
Tgt Ion: 39 Resp: 451500

Ion Ratio Lower Upper

39 100

54 113.3 87.1 130.7





#17

tert-Butyl alcohol

Concen: 9.451 ppbv

RT: 4.27 min Scan# 460

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Tot Ion: 59 Resp: 1415557

Ion Ratio Lower Upper

59 100

57 10.3 8.2 12.4

Instrument :

MSVOA_L

ClientSampleId :

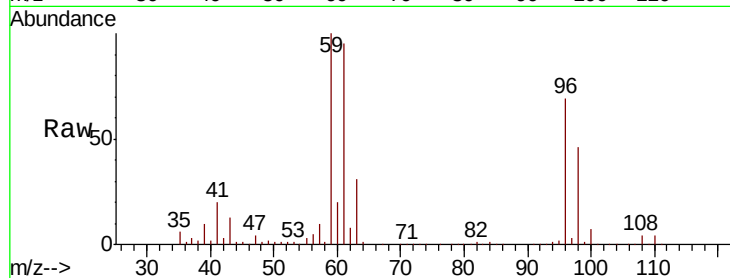
VSTDCCC010

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Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.27

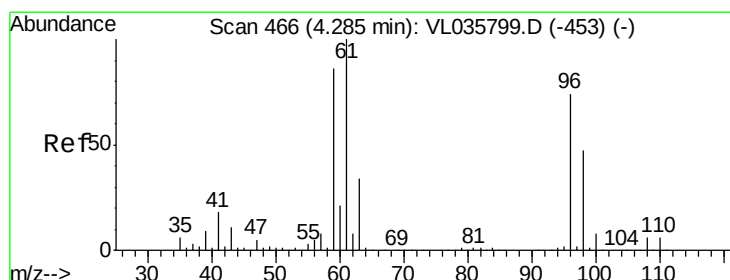
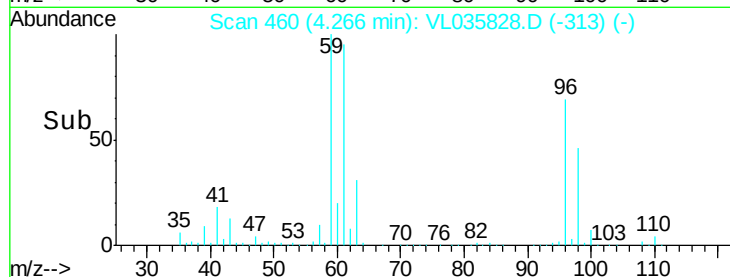
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.234 ppbv

RT: 4.26 min Scan# 458

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

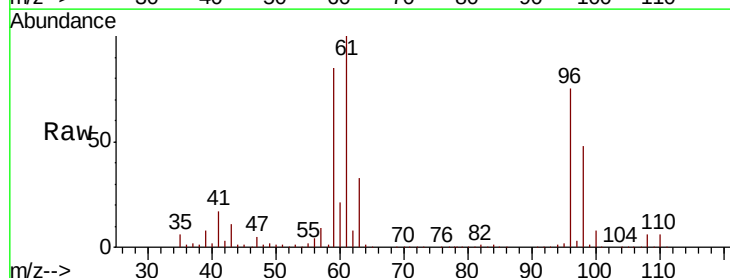
Tgt Ion: 96 Resp: 874382

Ion Ratio Lower Upper

96 100

61 133.8 108.5 162.7

98 64.8 50.7 76.1



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

800000

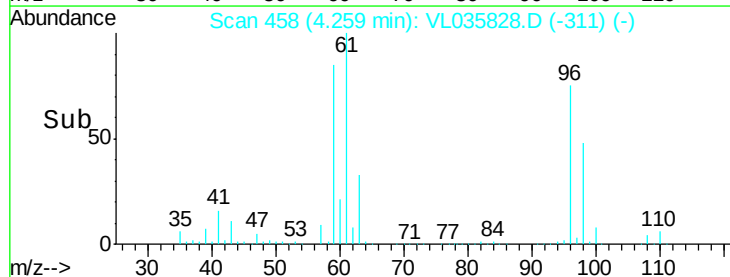
600000

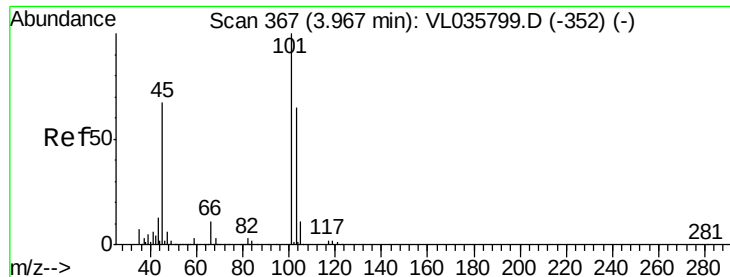
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 8.210 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 570229

Ion Ratio Lower Upper

45 100

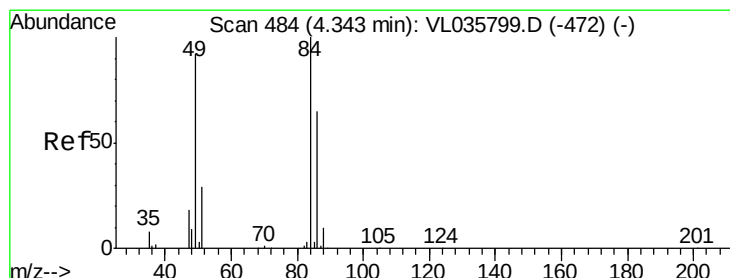
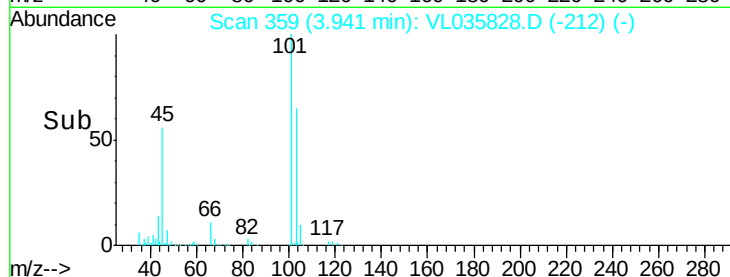
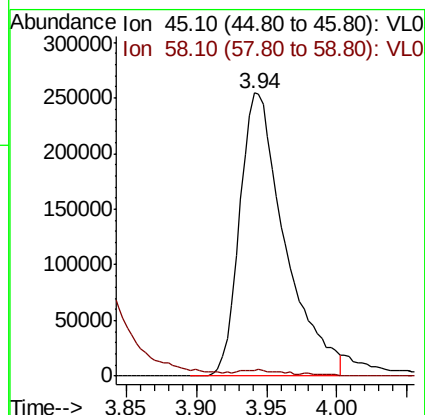
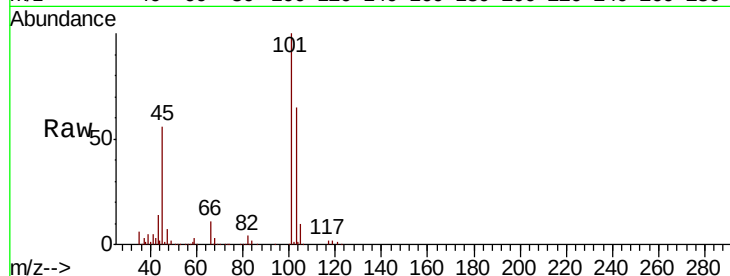
58 2.7 2.6 3.8

Manual Integrations

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#20

Methylene Chloride

Concen: 9.007 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Tgt Ion: 84 Resp: 716654

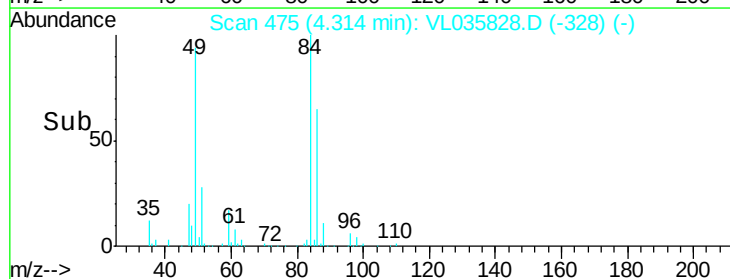
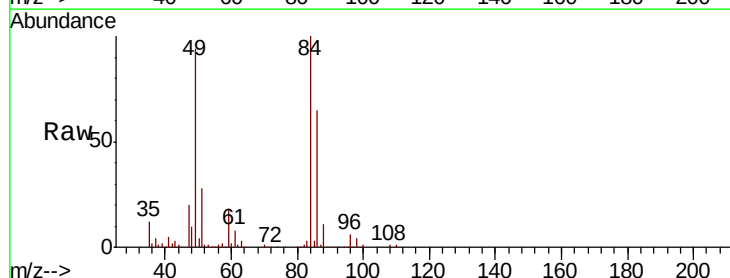
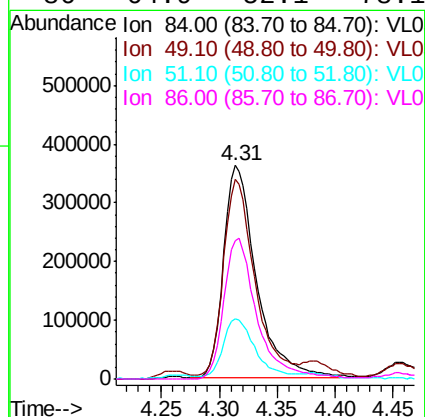
Ion Ratio Lower Upper

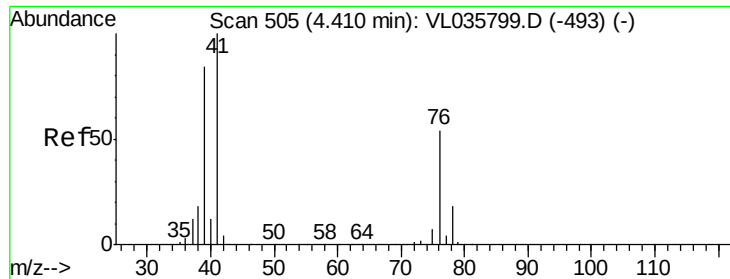
84 100

49 92.1 73.8 110.8

51 27.6 23.0 34.4

86 64.9 52.1 78.1





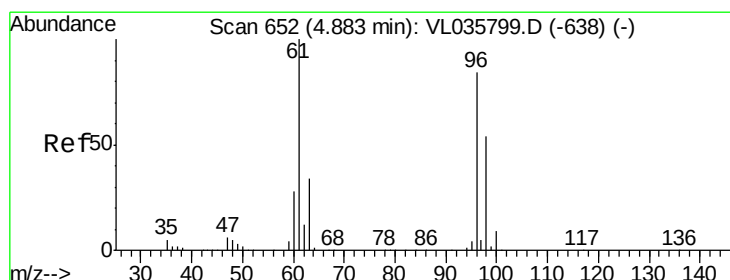
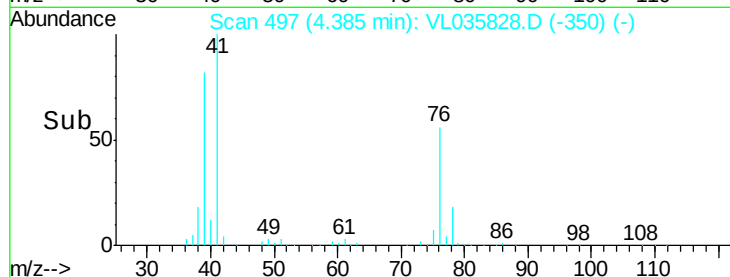
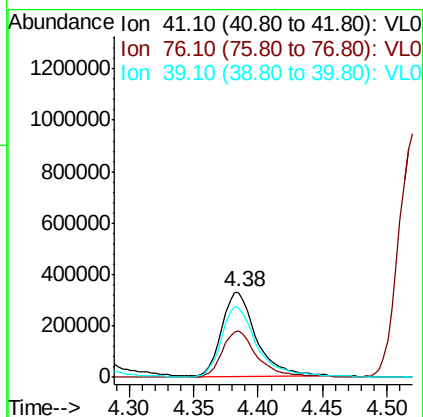
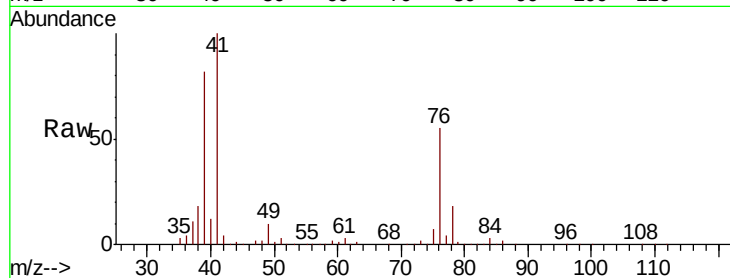
#21
Allvl Chloride
Concen: 10.006 ppbv
RT: 4.38 min Scan# 497
Delta R.T. -0.03 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	56.9	42.6	63.8
39	88.6	67.0	100.4

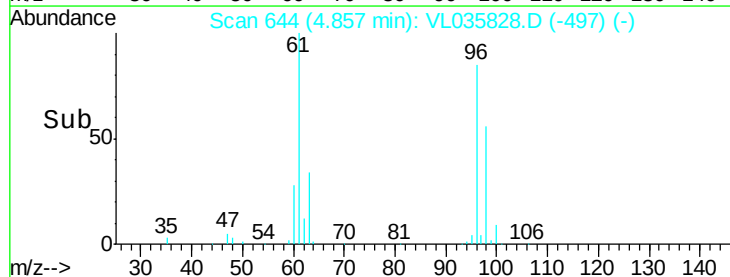
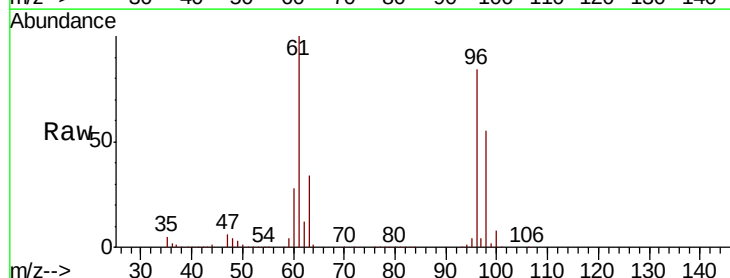
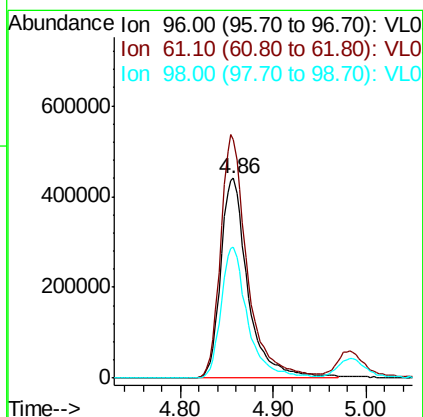
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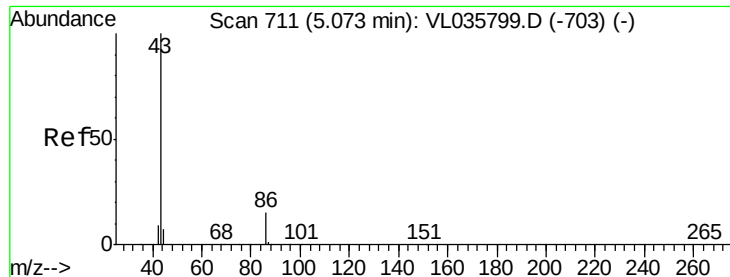
MMDadoda
11/5/2020 2:16:21 PM



#22
trans-1,2-Dichloroethene
Concen: 10.382 ppbv
RT: 4.86 min Scan# 644
Delta R.T. -0.03 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	119.2	95.4	143.0
98	65.3	51.8	77.6





#23

Vinyl Acetate

Concen: 9.274 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1469186

Ion Ratio Lower Upper

43 100

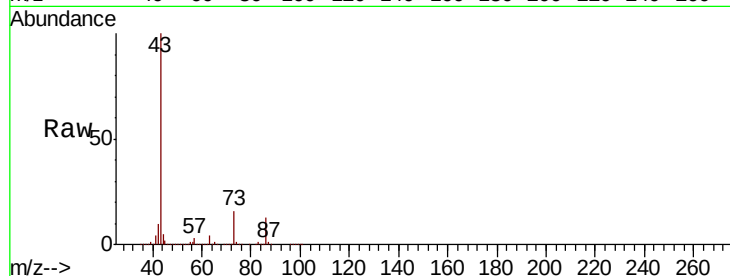
86 13.1 9.8 14.6

42 9.4 8.1 12.1

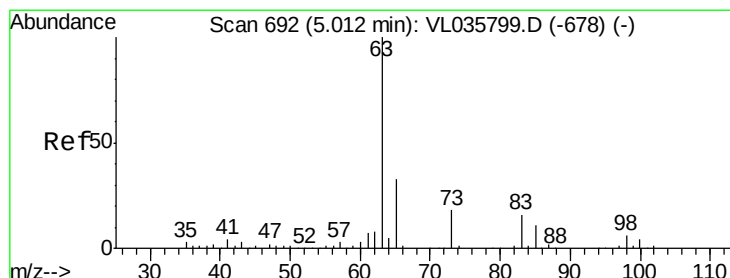
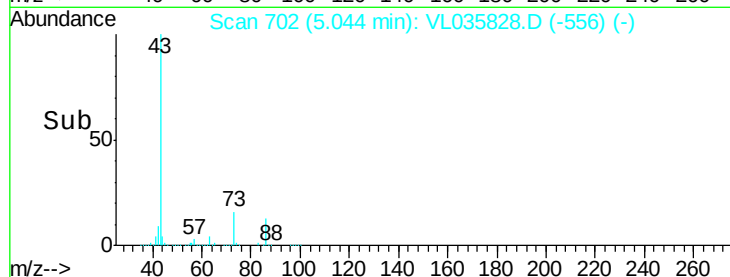
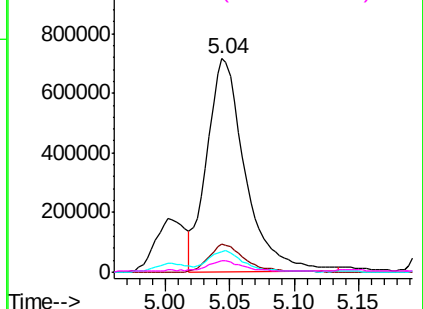
44 4.5 4.2 6.4

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.654 ppbv

RT: 4.98 min Scan# 683

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

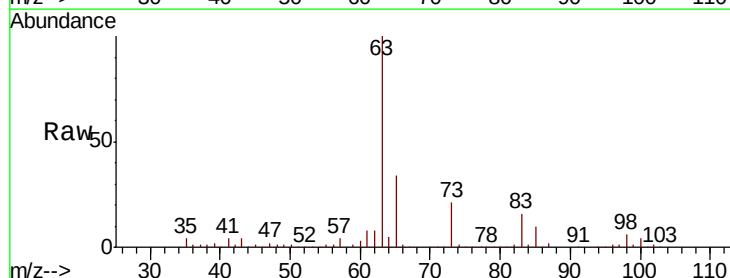
Tgt Ion: 63 Resp: 1457078

Ion Ratio Lower Upper

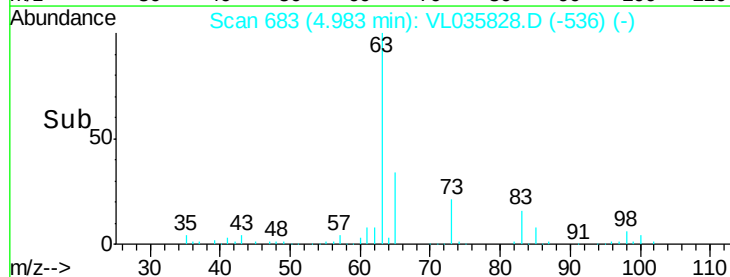
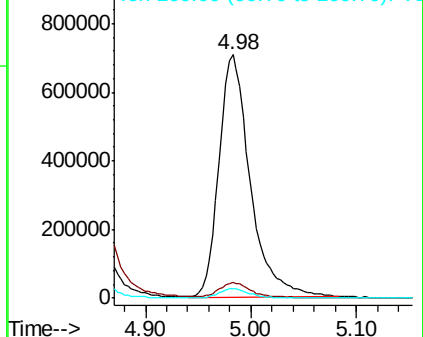
63 100

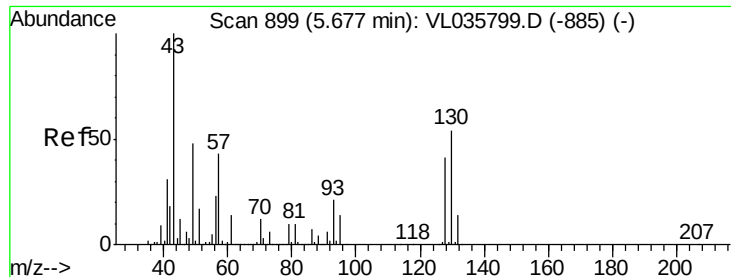
98 6.1 3.0 9.2

100 3.9 1.8 5.4



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





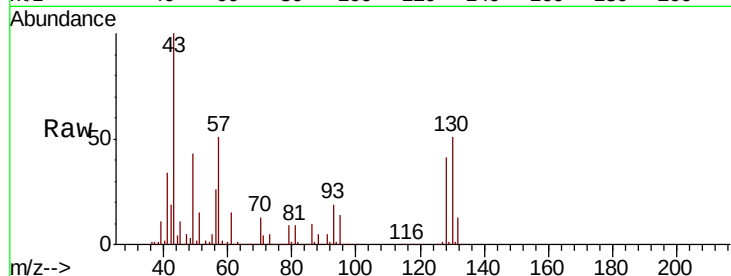
#25
Ethyl Acetate
Concen: 9.410 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.03 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.5	12.7
61	14.0	10.7	16.1
70	11.4	8.6	12.8

Manual Integrations
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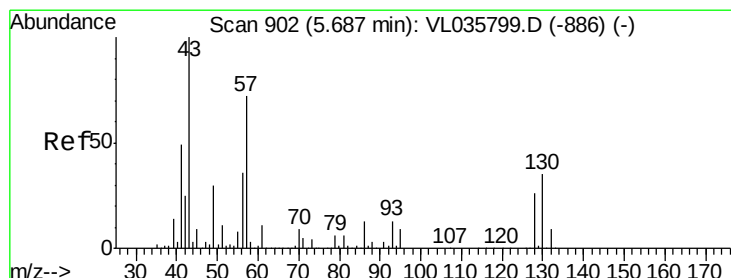
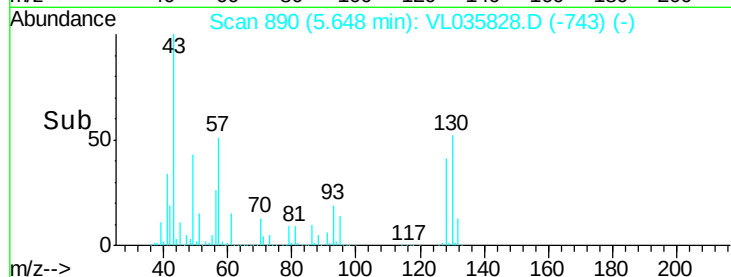
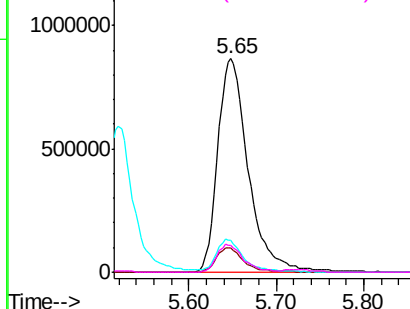
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.476 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Tgt Ion	Ratio	Lower	Upper
57	100		
41	71.0	58.9	88.3
43	180.4	150.2	225.2
56	52.3	42.4	63.6

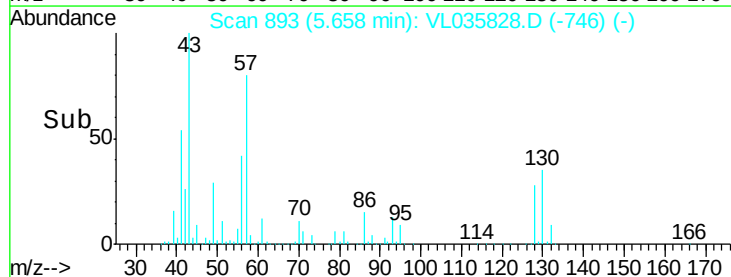
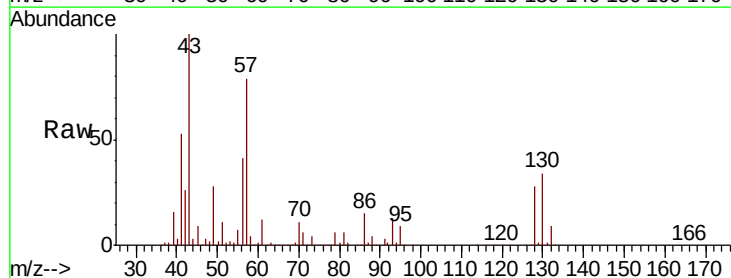
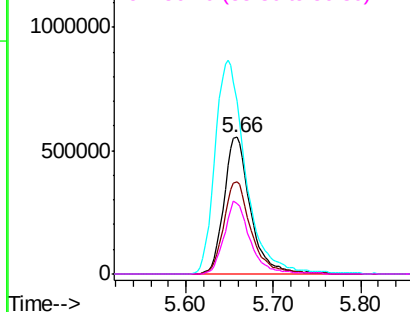
Abundance

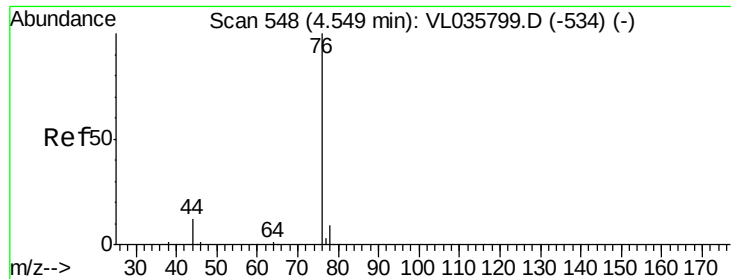
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.182 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1873459

Ion Ratio Lower Upper

76 100

44 11.7 9.9 14.9

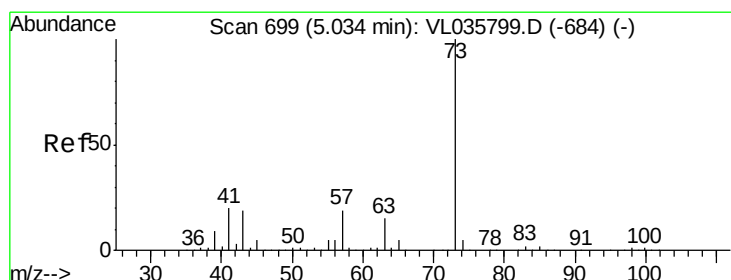
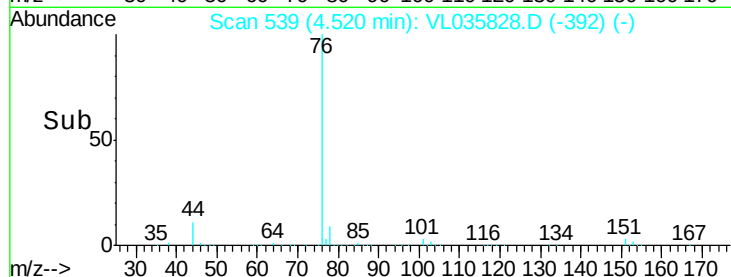
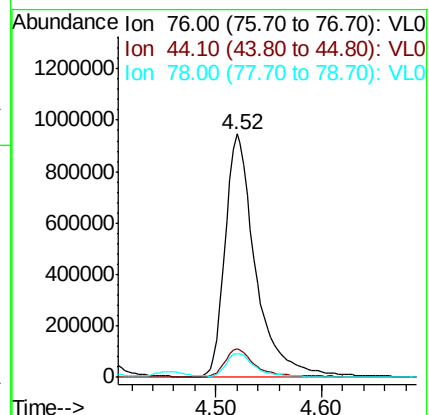
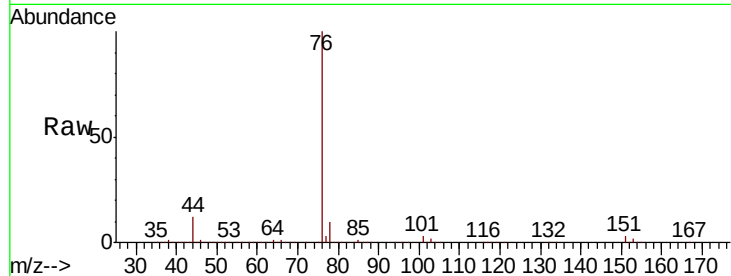
78 9.8 8.1 12.1

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#28

Methyl tert-Butyl Ether

Concen: 9.841 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.03 min

Lab File: VL035828.D

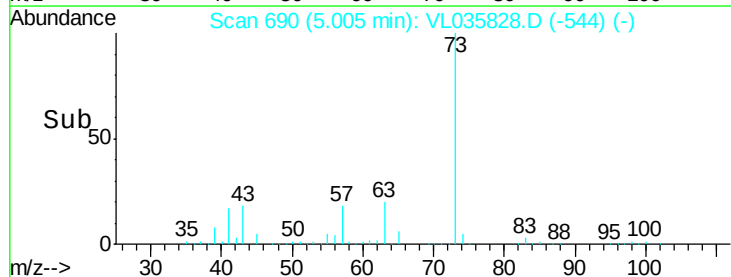
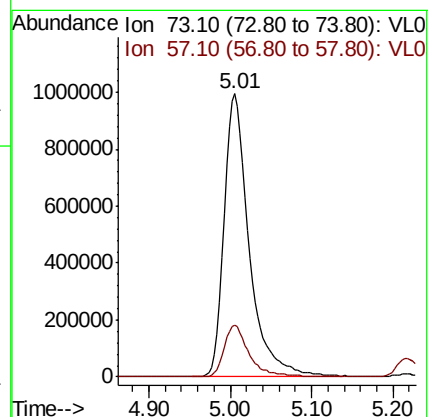
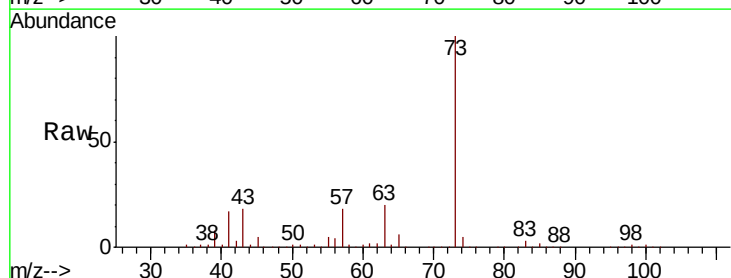
Acq: 4 Nov 2020 9:00

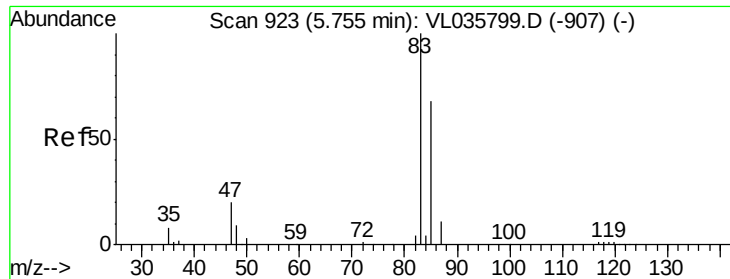
Tgt Ion: 73 Resp: 2170030

Ion Ratio Lower Upper

73 100

57 18.3 15.4 23.2





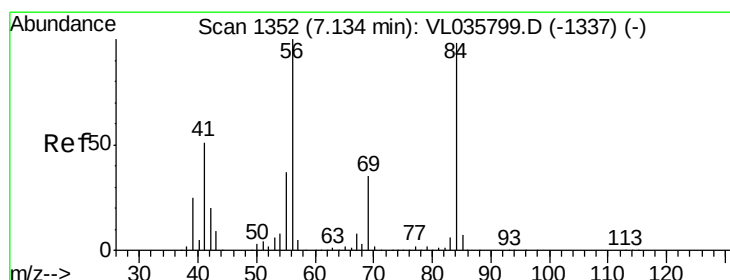
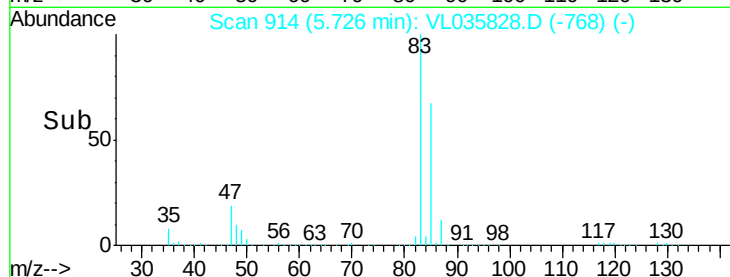
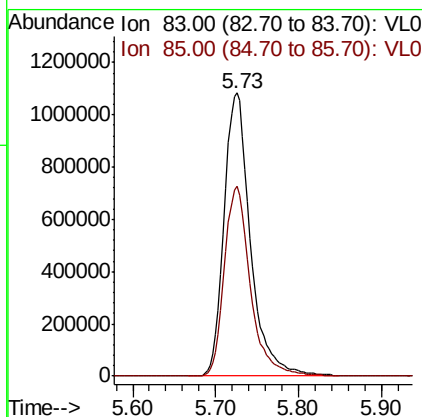
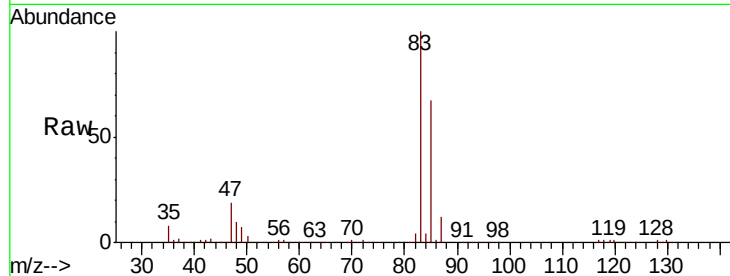
#29
Chloroform
Concen: 9.915 ppbv
RT: 5.73 min Scan# 914
Delta R.T. -0.03 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2392903
Ion Ratio Lower Upper
83 100
85 67.0 54.6 81.8

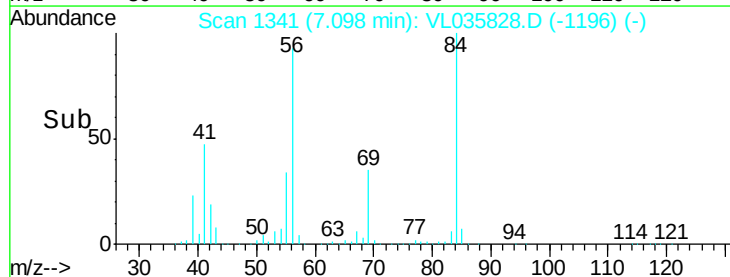
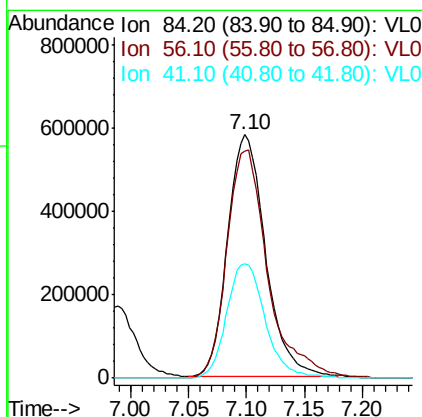
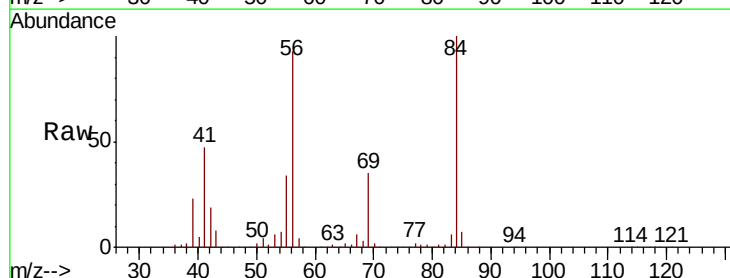
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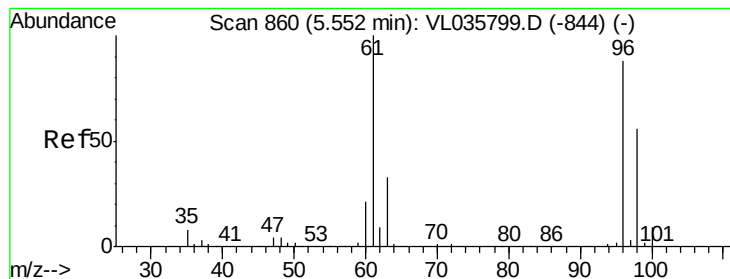
MMDadoda
11/5/2020 2:16:21 PM



#30
Cyclohexane
Concen: 9.899 ppbv
RT: 7.10 min Scan# 1341
Delta R.T. -0.04 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Tgt Ion: 84 Resp: 1323834
Ion Ratio Lower Upper
84 100
56 102.0 86.4 129.6
41 48.3 42.1 63.1





#31

cis-1,2-Dichloroethene

Concen: 9.907 ppbv

RT: 5.52 min Scan# 850

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 61 Resp: 1251422

Ion Ratio Lower Upper

61 100

96 93.9 70.3 105.5

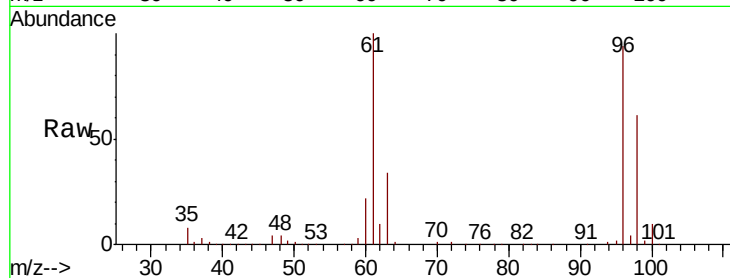
98 61.1 45.0 67.6

Manual Integrations

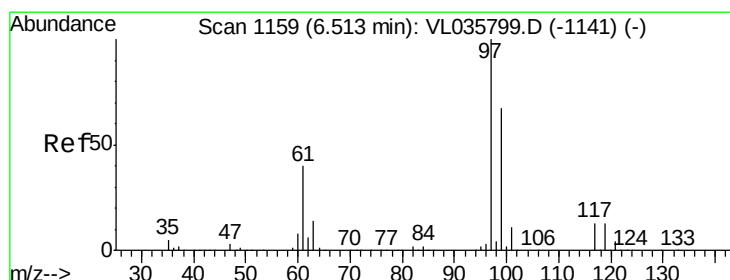
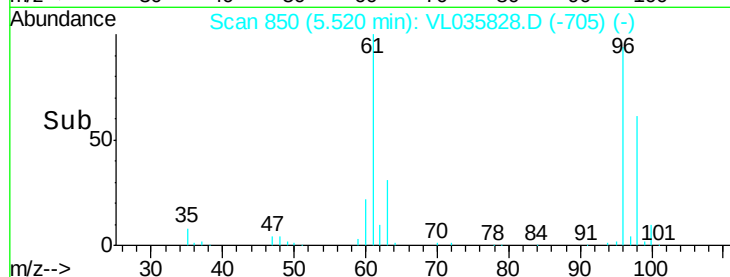
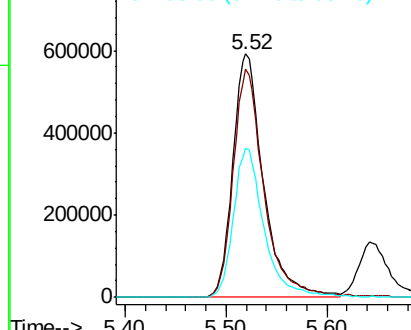
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Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 9.594 ppbv

RT: 6.48 min Scan# 1149

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

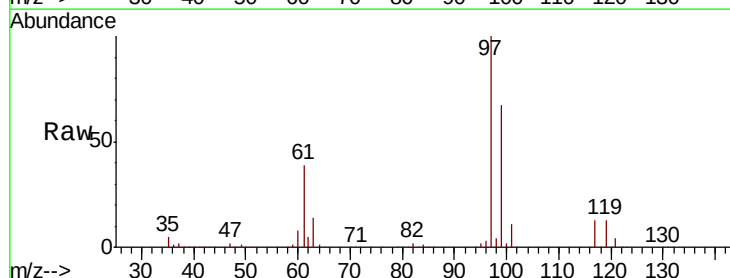
Tgt Ion: 97 Resp: 2416255

Ion Ratio Lower Upper

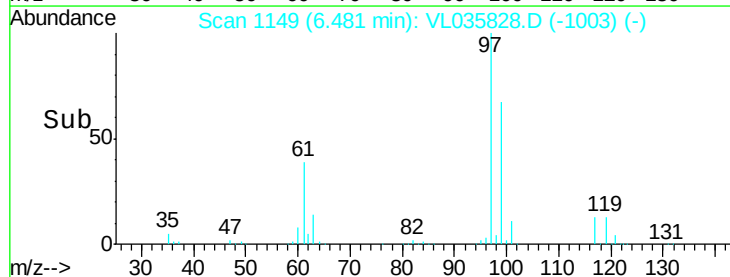
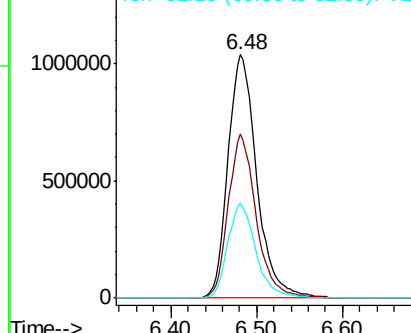
97 100

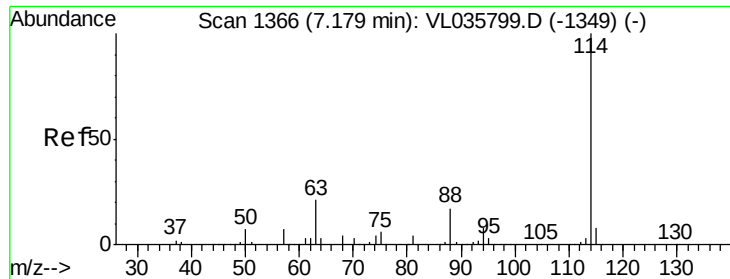
99 65.6 52.3 78.5

61 38.5 32.0 48.0



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





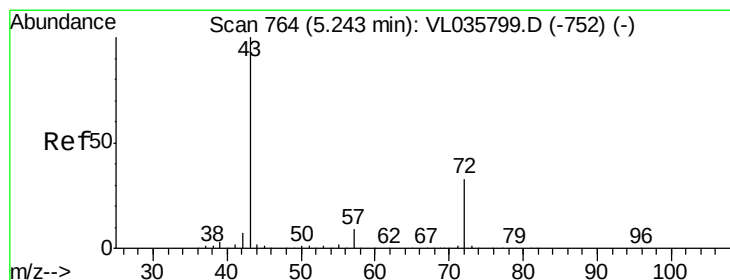
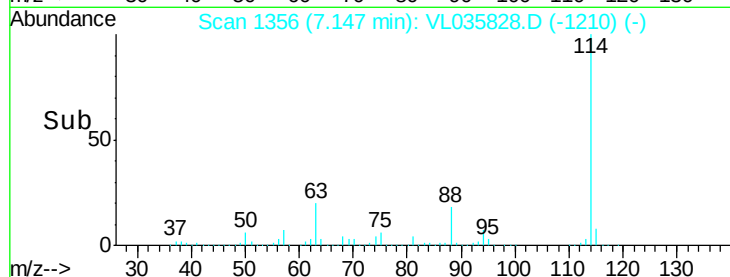
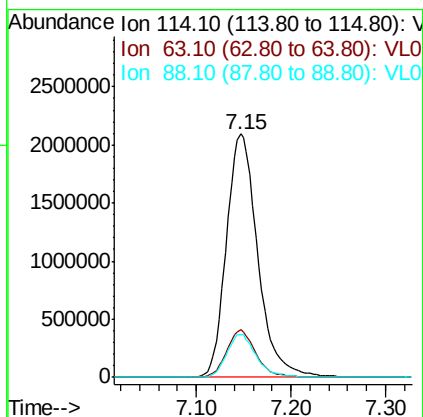
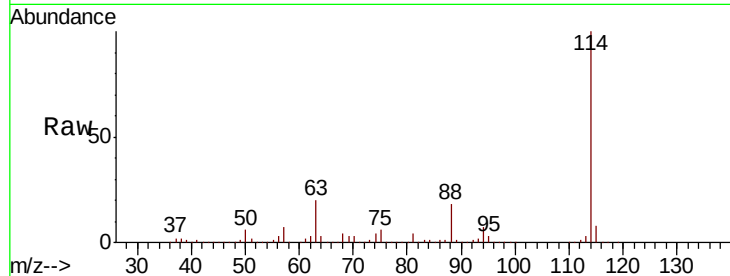
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1356
 Delta R.T. -0.03 min
 Lab File: VL035828.D
 Acq: 4 Nov 2020 9:00

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010

Tot Ion:114 Resp: 4818108
 Ion Ratio Lower Upper
 114 100
 63 18.5 16.1 24.1
 88 16.8 13.7 20.5

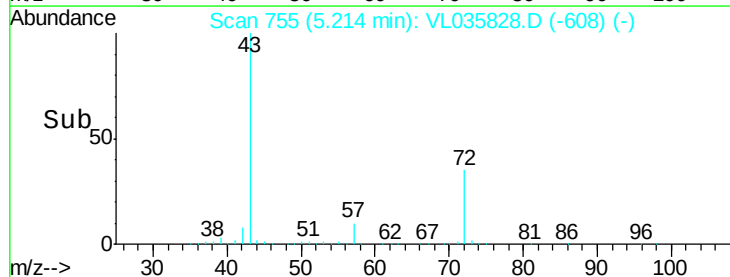
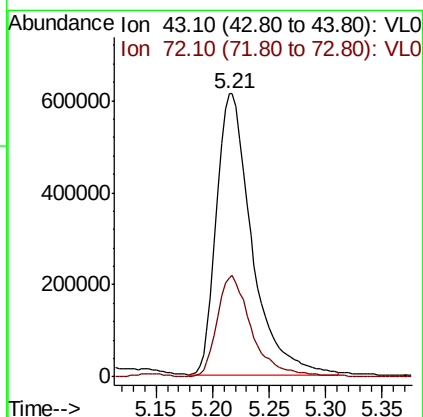
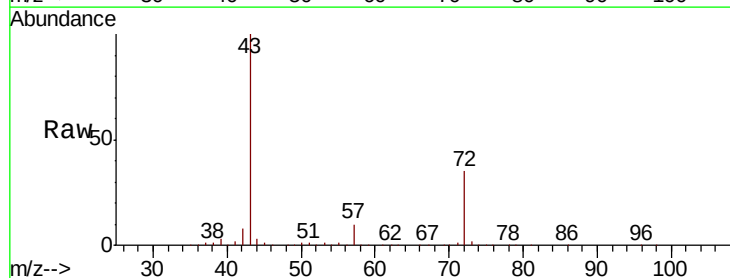
Manual Integrations
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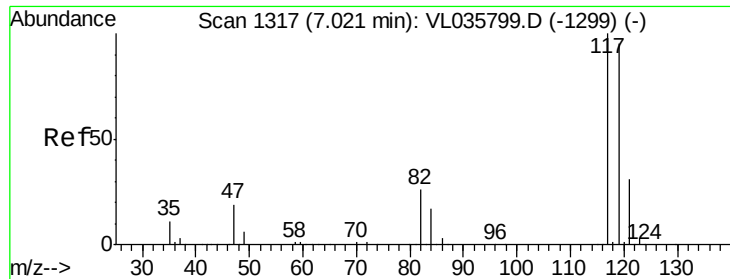
MMDadoda
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#34
 2-Butanone
 Concen: 8.496 ppbv
 RT: 5.21 min Scan# 755
 Delta R.T. -0.03 min
 Lab File: VL035828.D
 Acq: 4 Nov 2020 9:00

Tgt Ion: 43 Resp: 1328444
 Ion Ratio Lower Upper
 43 100
 72 35.6 26.5 39.7





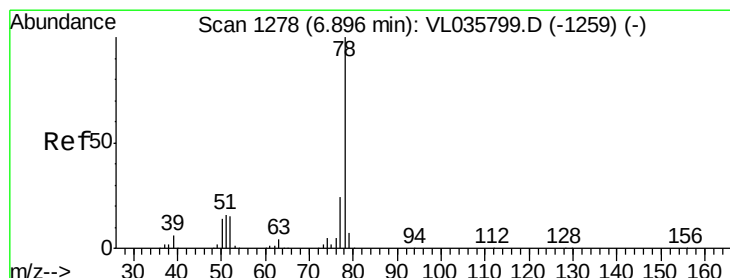
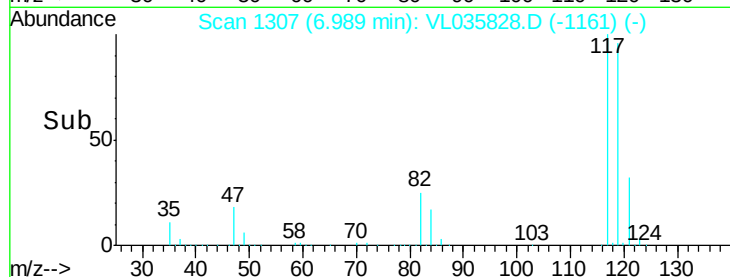
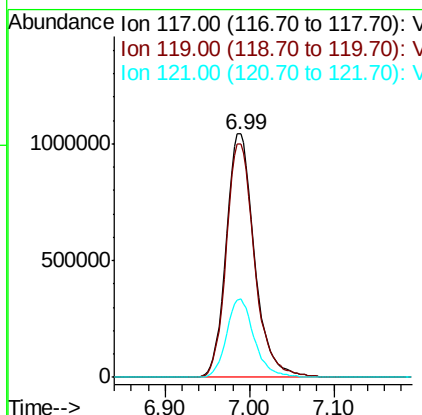
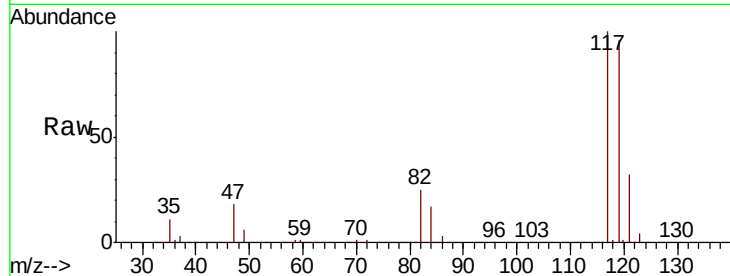
#35
Carbon Tetrachloride
Concen: 9.419 ppbv
RT: 6.99 min Scan# 1307
Delta R.T. -0.03 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.9	75.6	113.4
121	32.0	25.1	37.7

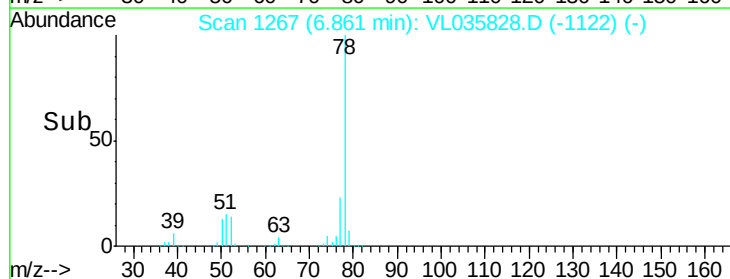
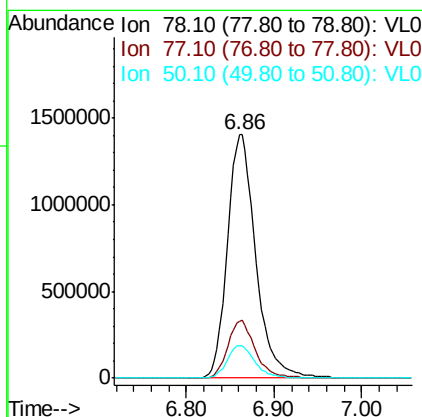
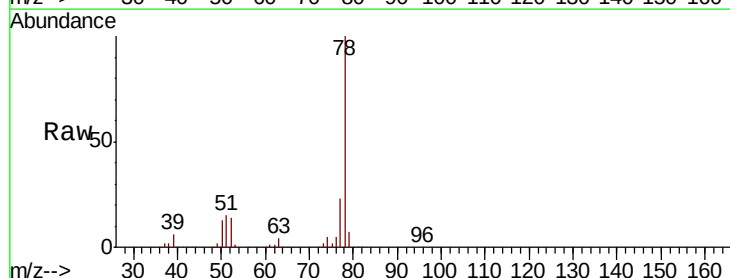
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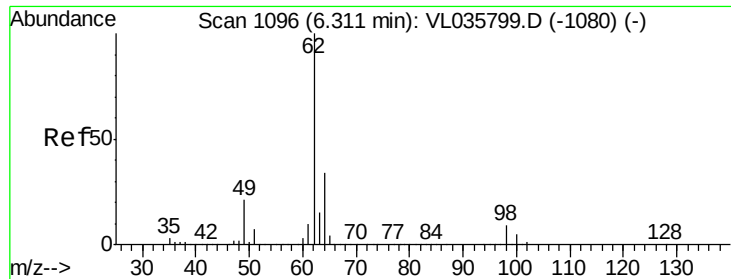
MMDadoda
11/5/2020 2:16:21 PM



#36
Benzene
Concen: 8.819 ppbv
RT: 6.86 min Scan# 1267
Delta R.T. -0.04 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.3	28.9
50	13.4	11.4	17.2





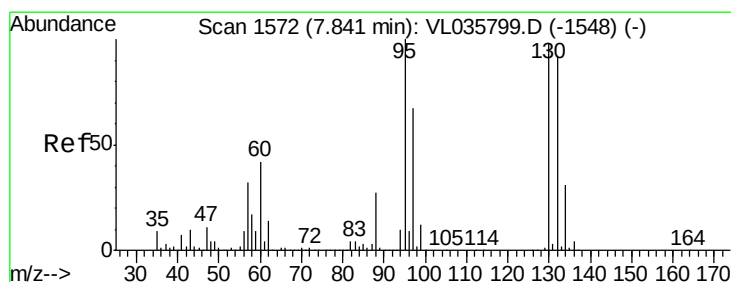
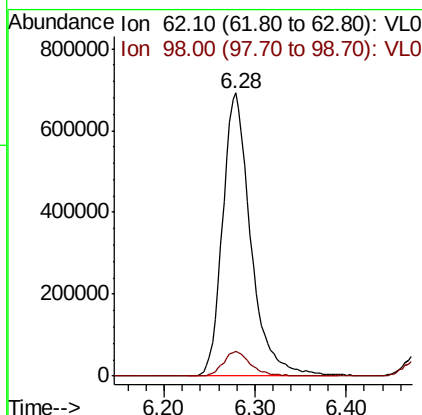
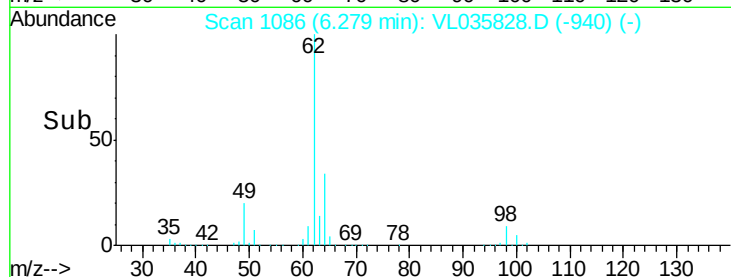
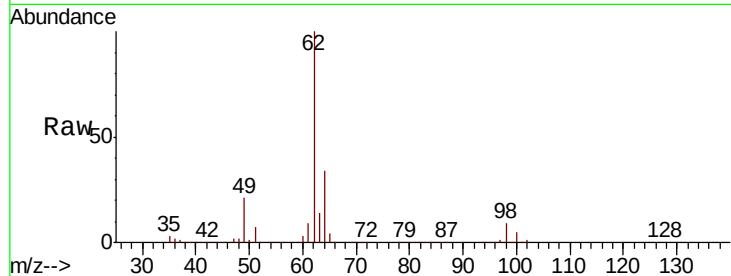
#37
 1,2-Dichloroethane
 Concen: 9.182 ppbv
 RT: 6.28 min Scan# 1086
 Delta R.T. -0.03 min
 Lab File: VL035828.D
 Acq: 4 Nov 2020 9:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1490042
 Ion Ratio Lower Upper
 62 100
 98 8.8 6.9 10.3

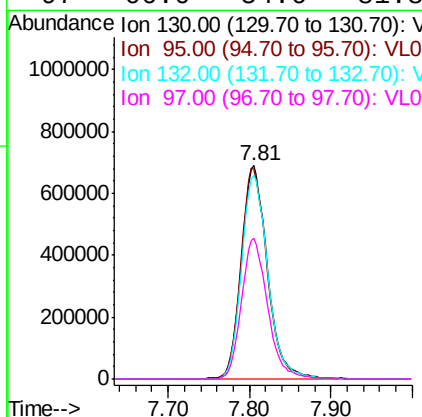
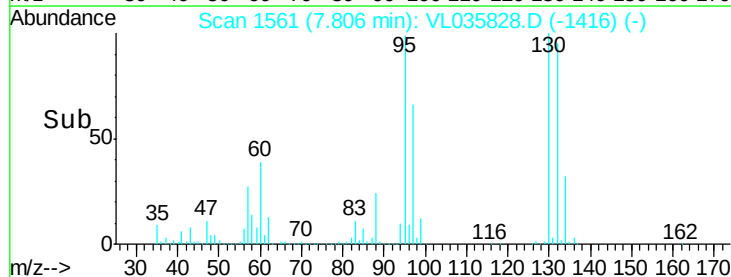
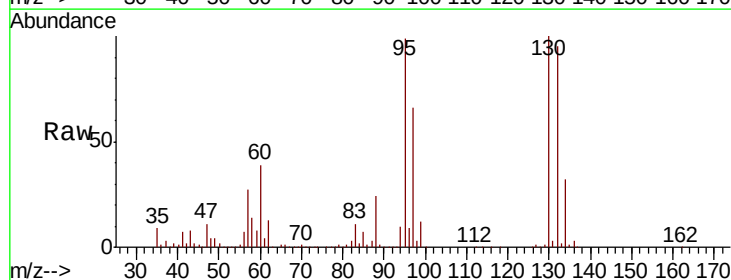
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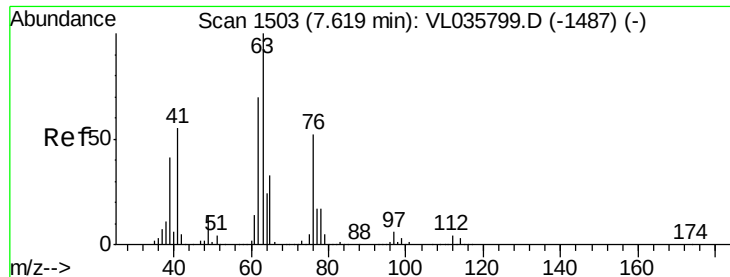
MMDadoda
 11/5/2020 2:16:21 PM



#38
 Trichloroethene
 Concen: 8.680 ppbv
 RT: 7.81 min Scan# 1561
 Delta R.T. -0.04 min
 Lab File: VL035828.D
 Acq: 4 Nov 2020 9:00

Tgt Ion: 130 Resp: 1518647
 Ion Ratio Lower Upper
 130 100
 95 98.6 81.6 122.4
 132 95.2 75.1 112.7
 97 66.0 54.6 81.8





#39

1,2-Dichloropropane

Concen: 8.523 ppbv

RT: 7.58 min Scan# 1492

Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 63 Resp: 1027861

Ion Ratio Lower Upper

63 100

41 50.2 43.8 65.6

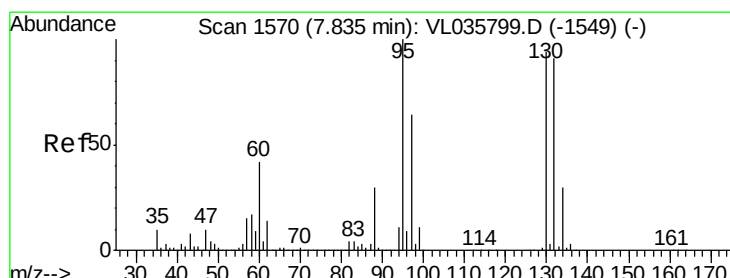
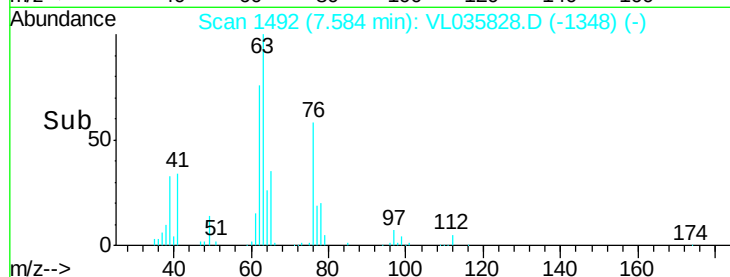
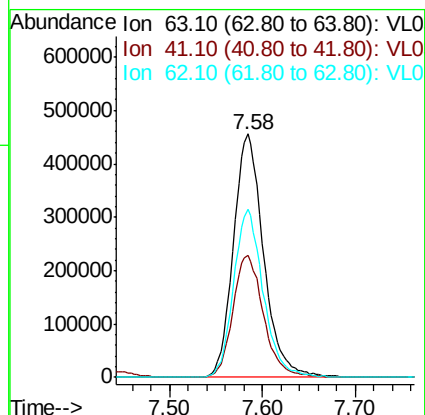
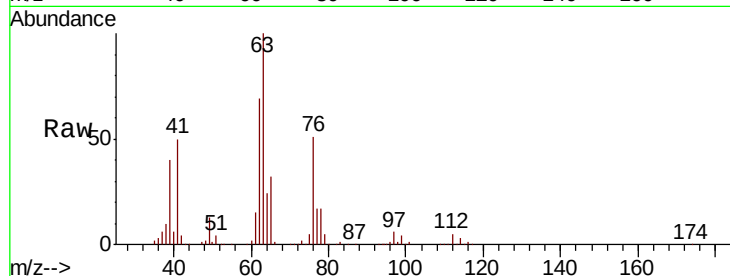
62 69.2 56.2 84.2

Manual Integrations

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#40

1,4-Dioxane

Concen: 7.986 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Tgt Ion: 88 Resp: 456461

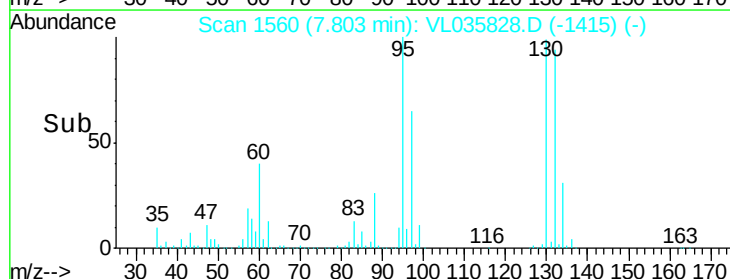
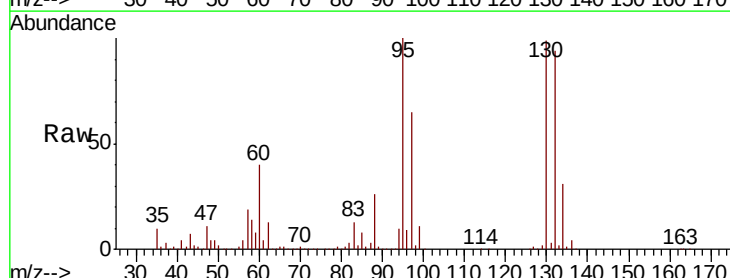
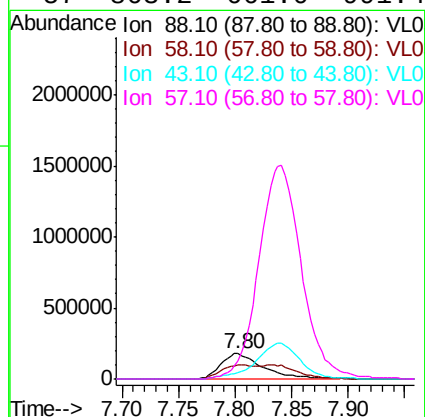
Ion Ratio Lower Upper

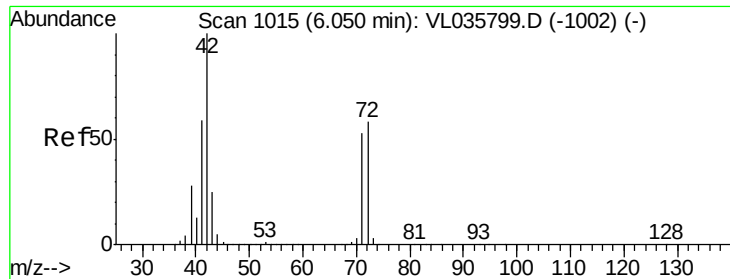
88 100

58 94.0 76.2 114.2

43 152.2 123.1 184.7

57 863.2 661.0 991.4





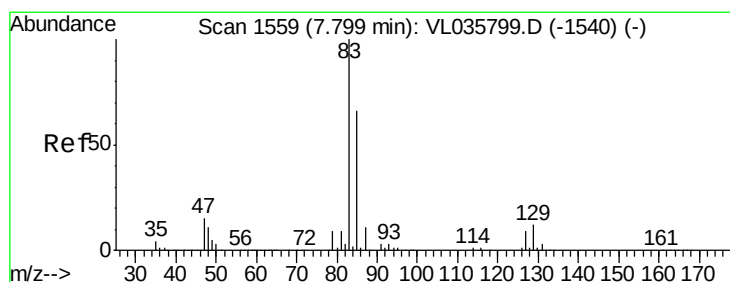
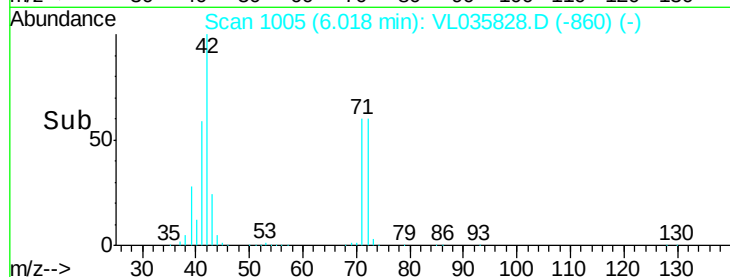
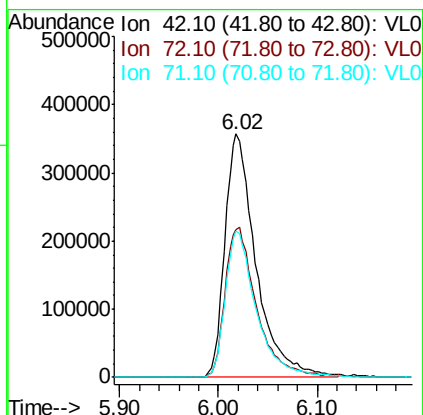
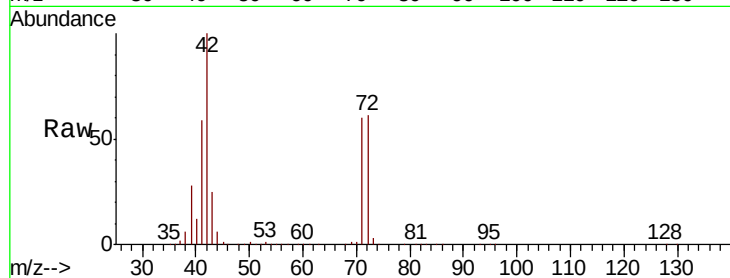
#41
Tetrahydrofuran
Concen: 8.888 ppbv
RT: 6.02 min Scan# 1005
Delta R.T. -0.03 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	63.3	45.4	68.0
71	60.3	43.4	65.2

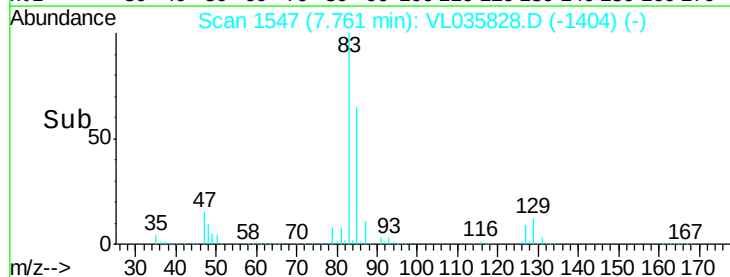
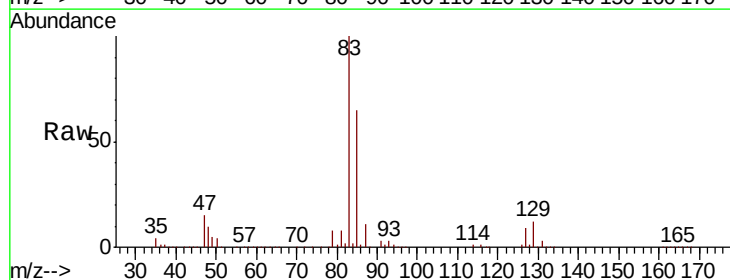
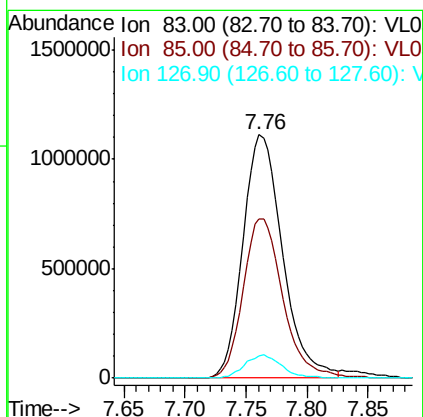
Manual Integrations
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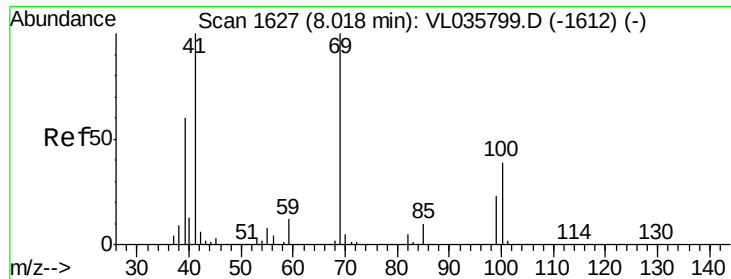
MMDadoda
11/5/2020 2:16:21 PM



#42
Bromodichloromethane
Concen: 9.113 ppbv
RT: 7.76 min Scan# 1547
Delta R.T. -0.04 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	53.1	79.7
127	9.3	7.3	10.9





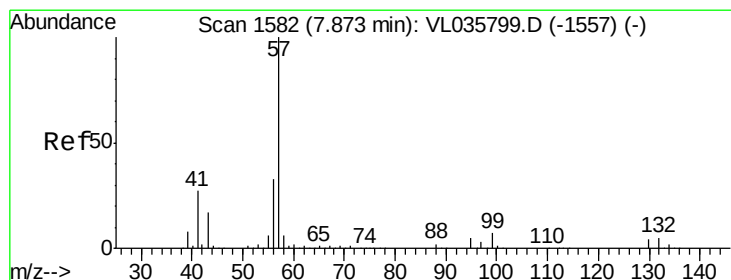
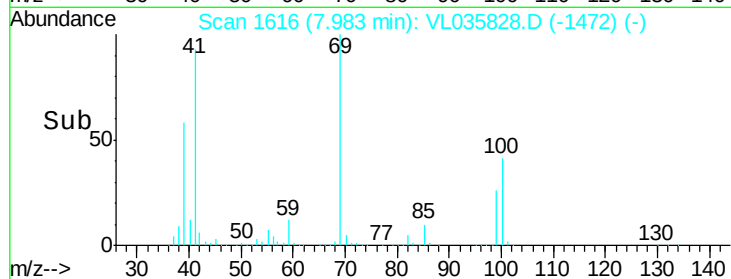
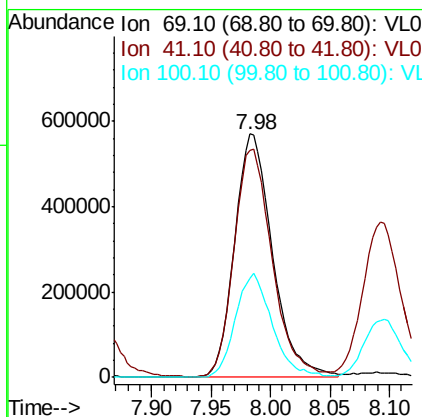
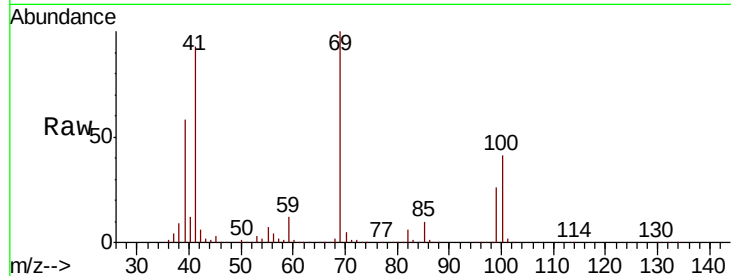
#43
Methyl Methacrylate
Concen: 9.221 ppbv
RT: 7.98 min Scan# 1616
Delta R.T. -0.04 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1259871
Ion Ratio Lower Upper
69 100
41 94.9 81.1 121.7
100 41.5 31.0 46.4

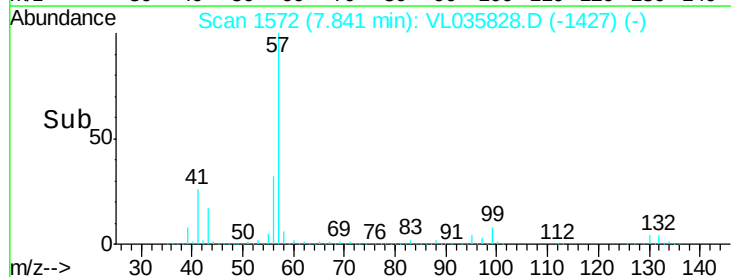
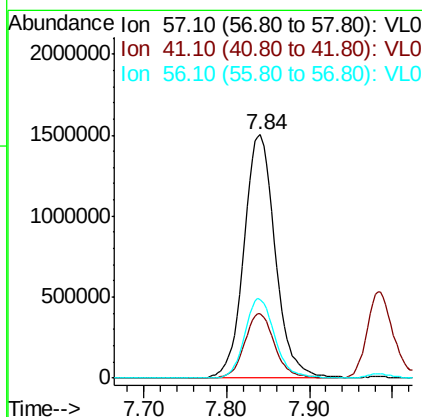
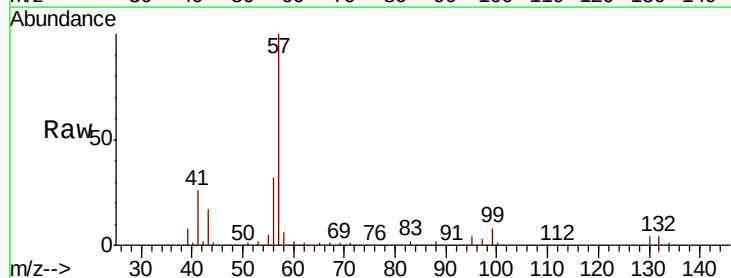
Manual Integrations
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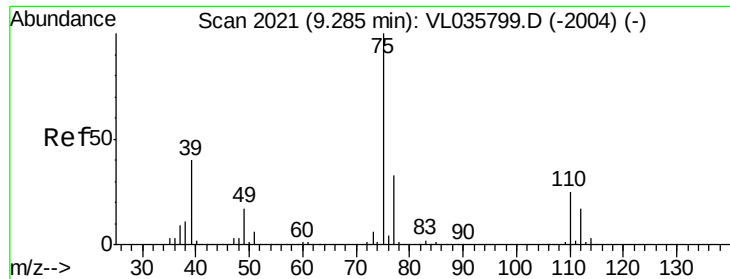
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 8.304 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. -0.03 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Tgt Ion: 57 Resp: 3936123
Ion Ratio Lower Upper
57 100
41 25.3 21.0 31.4
56 31.4 25.4 38.0





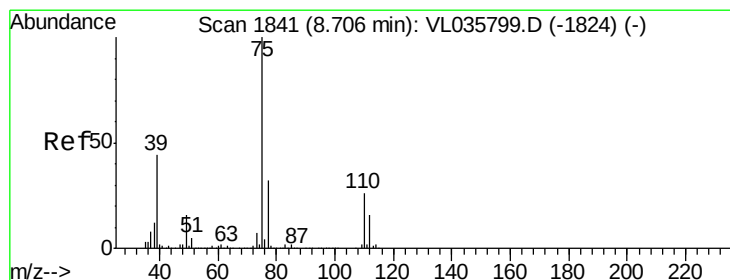
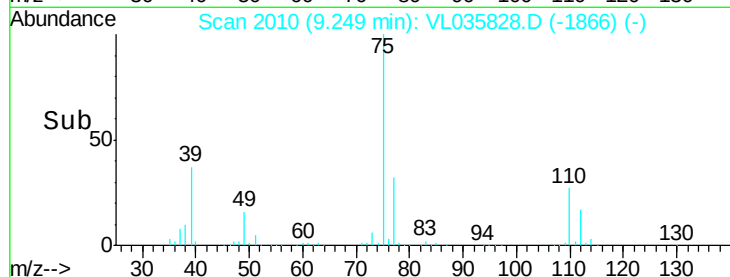
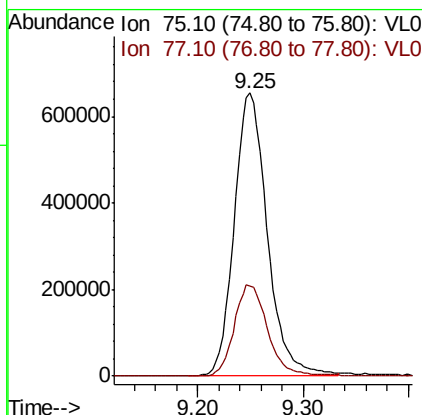
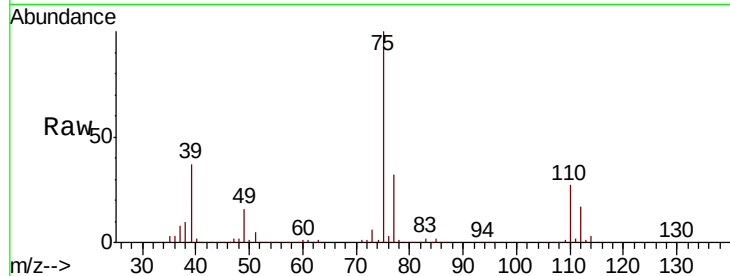
#45
t-1,3-Dichloropropene
Concen: 9.849 ppbv
RT: 9.25 min Scan# 2010
Delta R.T. -0.04 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1426434
Ion Ratio Lower Upper
75 100
77 31.8 26.4 39.6

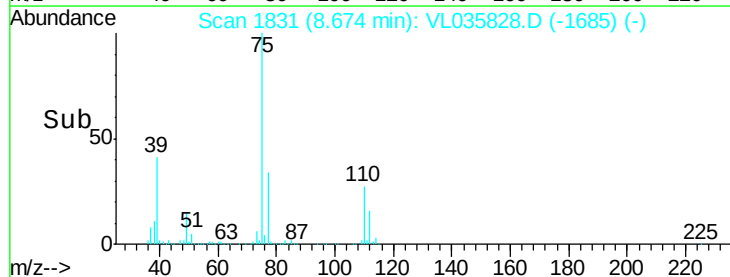
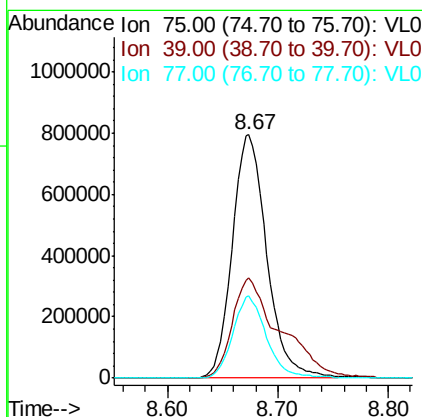
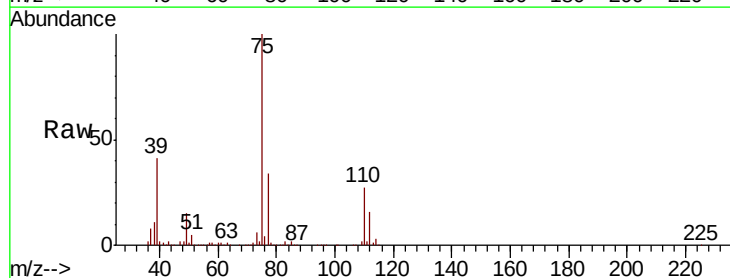
Manual Integrations
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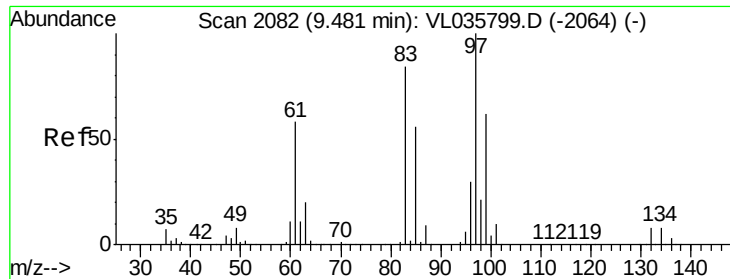
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 9.401 ppbv
RT: 8.67 min Scan# 1831
Delta R.T. -0.03 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Tgt Ion: 75 Resp: 1724381
Ion Ratio Lower Upper
75 100
39 41.2 35.1 52.7
77 33.6 25.7 38.5





#47
 1,1,2-Trichloroethane
 Concen: 8.955 ppbv
 RT: 9.45 min Scan# 2071
 Delta R.T. -0.04 min
 Lab File: VL035828.D
 Acq: 4 Nov 2020 9:00

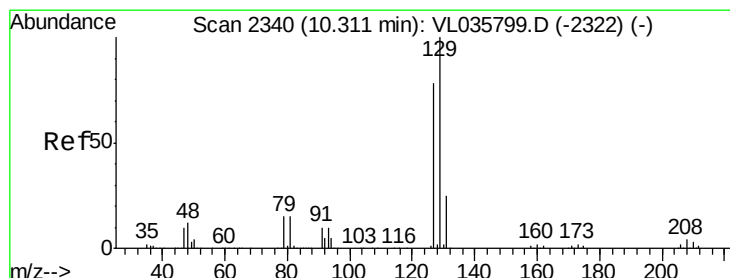
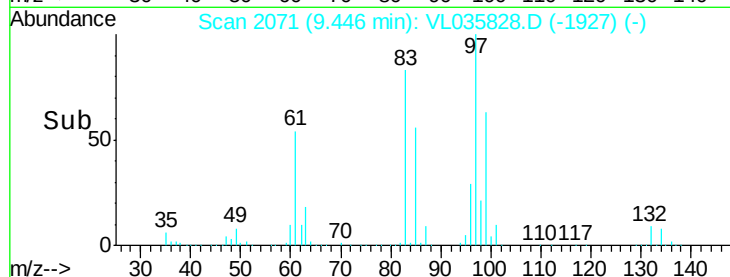
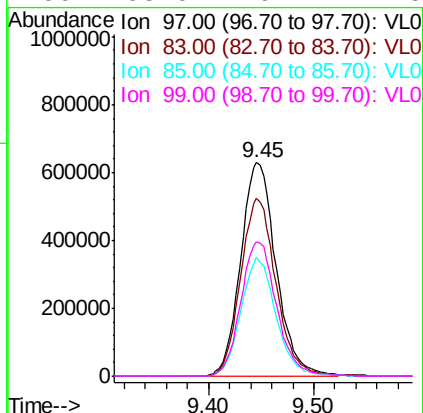
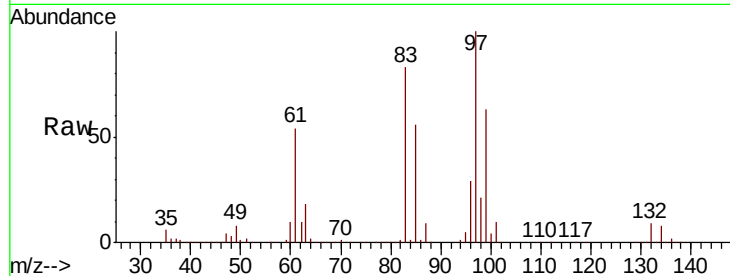
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 97 Resp: 1471423

Ion	Ratio	Lower	Upper
97	100		
83	83.5	67.1	100.7
85	56.0	44.7	67.1
99	63.0	49.7	74.5

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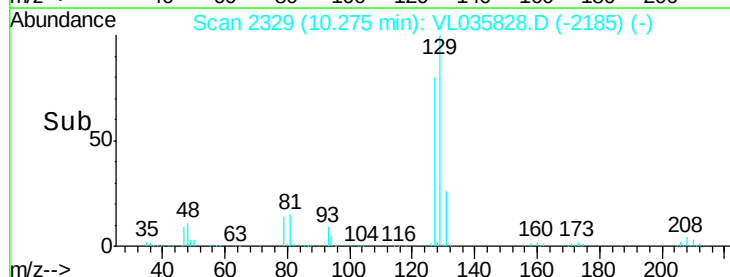
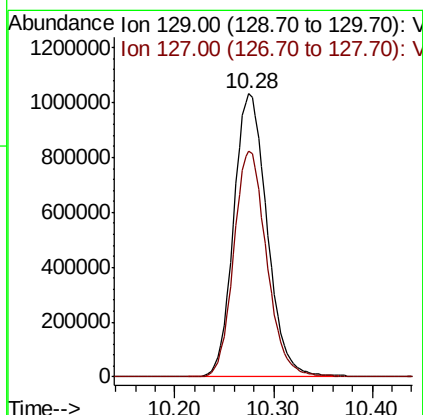
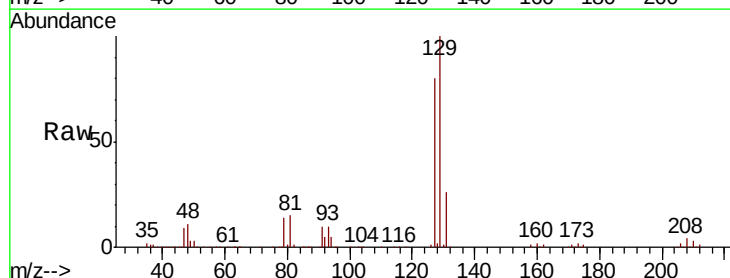
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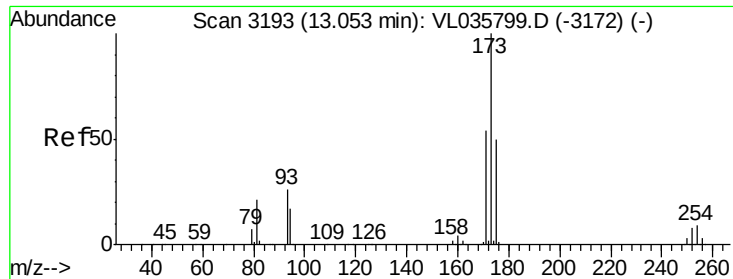


#48
 Dibromochloromethane
 Concen: 9.675 ppbv
 RT: 10.28 min Scan# 2329
 Delta R.T. -0.04 min
 Lab File: VL035828.D
 Acq: 4 Nov 2020 9:00

Tgt Ion: 129 Resp: 2428862

Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.2	117.6





#49

Bromoform

Concen: 9.810 ppbv

RT: 13.01 min Scan# 3180

Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 2078161

Ion Ratio Lower Upper

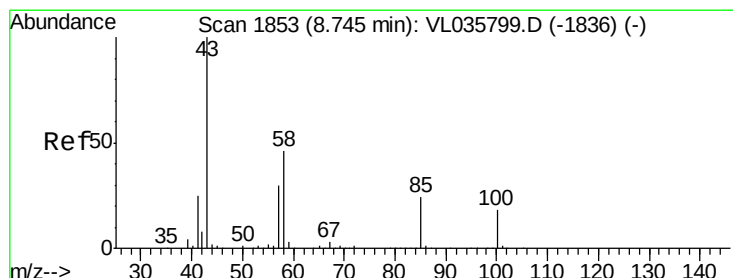
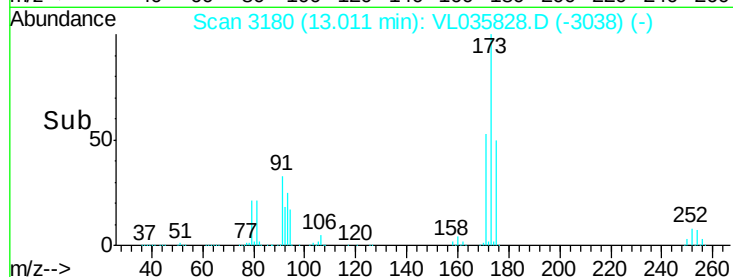
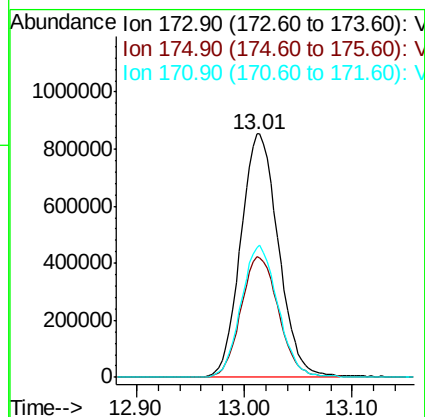
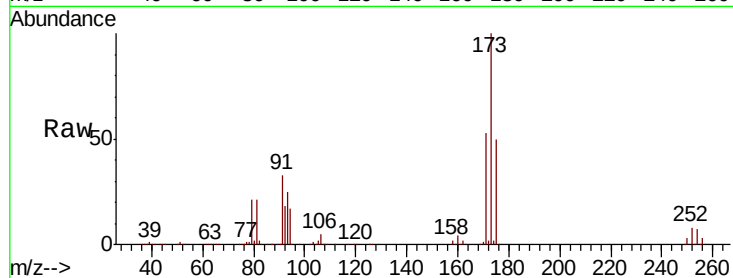
173 100

175 50.0 40.1 60.1

171 53.2 42.6 63.8

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#50

4-Methyl-2-Pentanone

Concen: 8.510 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. -0.03 min

Lab File: VL035828.D

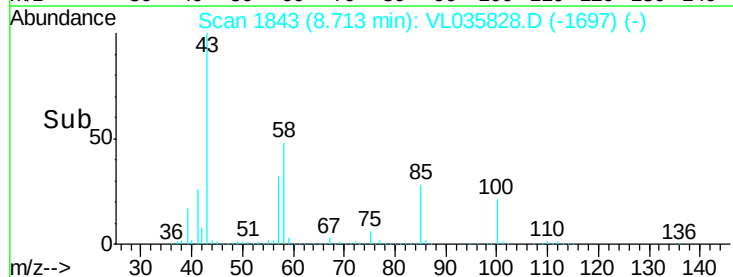
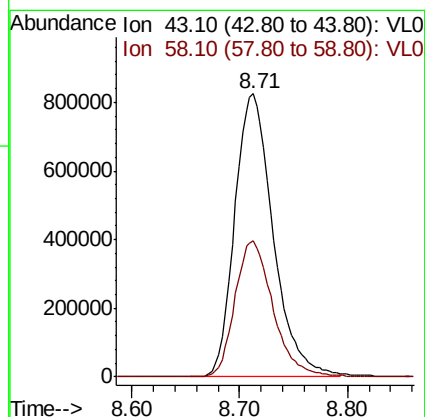
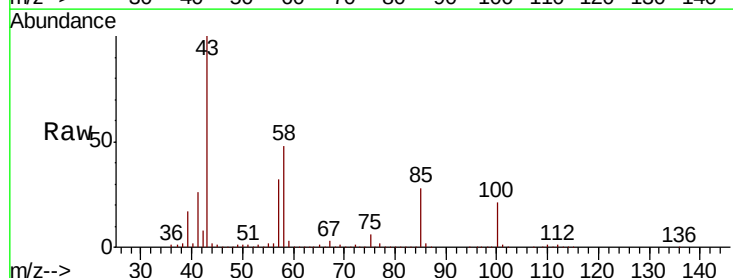
Acq: 4 Nov 2020 9:00

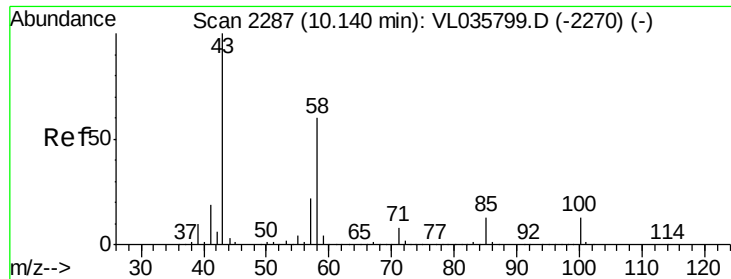
Tgt Ion: 43 Resp: 2034884

Ion Ratio Lower Upper

43 100

58 47.8 36.0 54.0





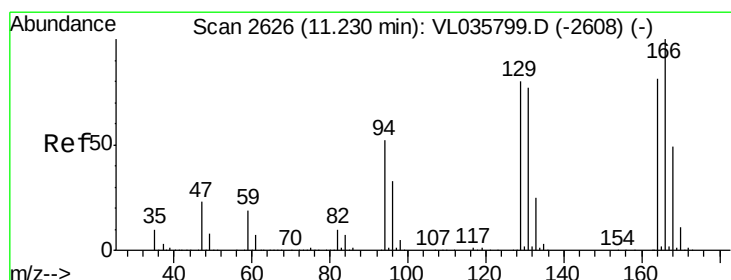
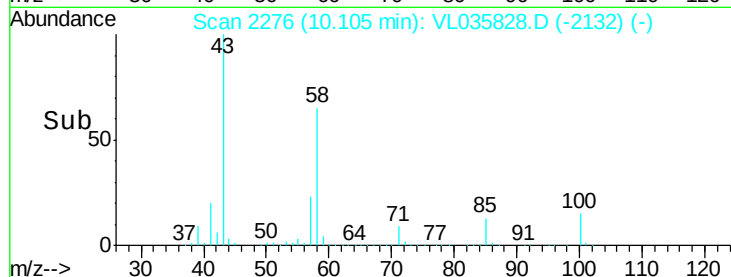
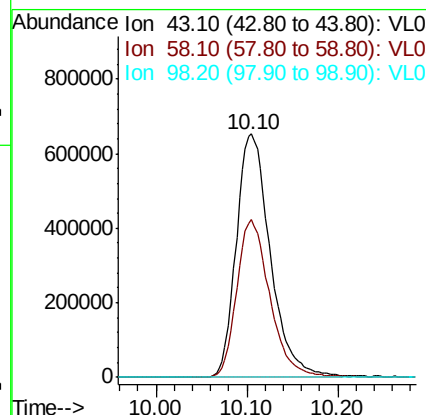
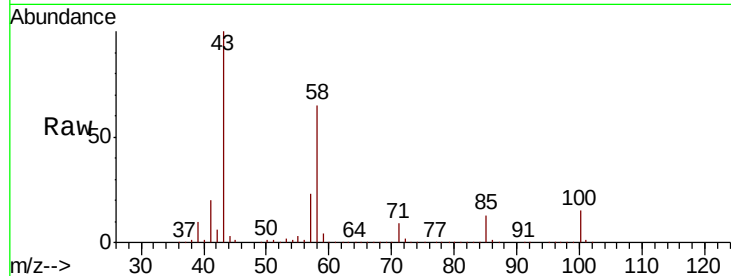
#51
2-Hexanone
Concen: 8.813 ppbv
RT: 10.10 min Scan# 2276
Delta R.T. -0.04 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1692831
Ion Ratio Lower Upper
43 100
58 63.6 48.3 72.5
98 0.4 0.6 0.8#

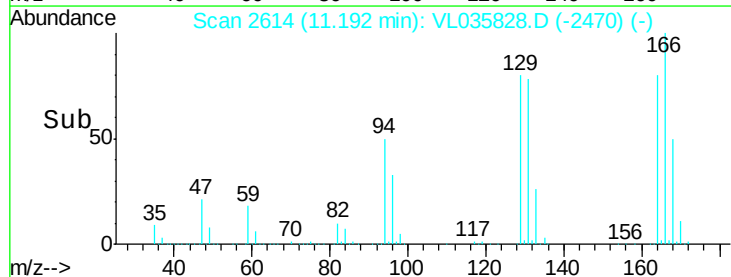
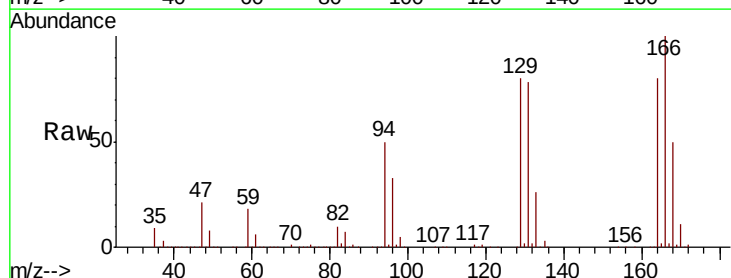
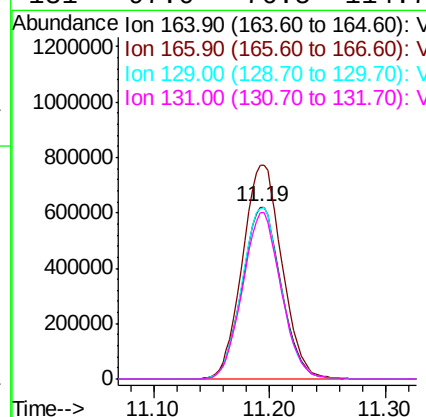
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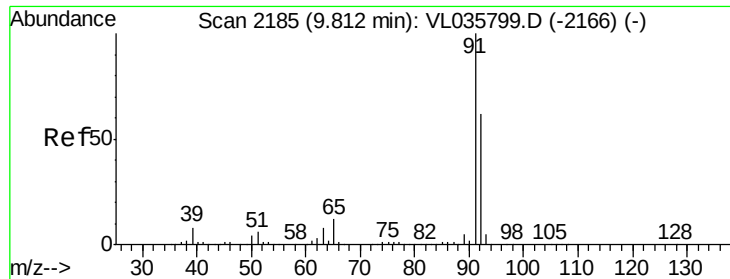
MMDadoda
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#52
Tetrachloroethene
Concen: 8.547 ppbv
RT: 11.19 min Scan# 2614
Delta R.T. -0.04 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Tgt Ion: 164 Resp: 1450496
Ion Ratio Lower Upper
164 100
166 124.5 99.3 148.9
129 99.1 79.3 118.9
131 97.0 76.5 114.7





#53

Toluene

Concen: 8.984 ppbv

RT: 9.78 min Scan# 2174

Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3883135

Ion Ratio Lower Upper

91 100

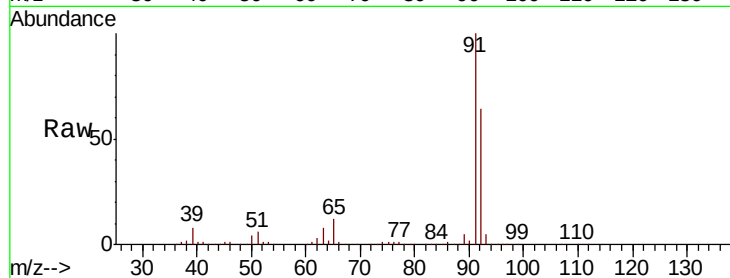
92 62.6 49.8 74.6

Manual Integrations

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

2000000

1500000

1000000

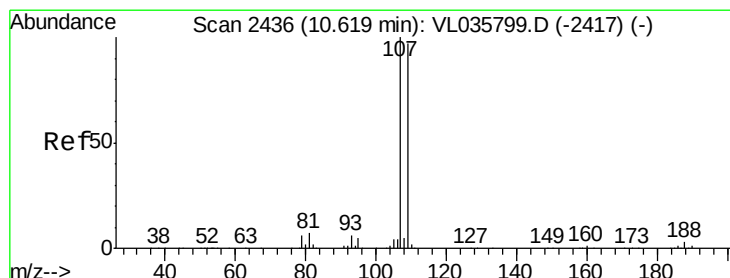
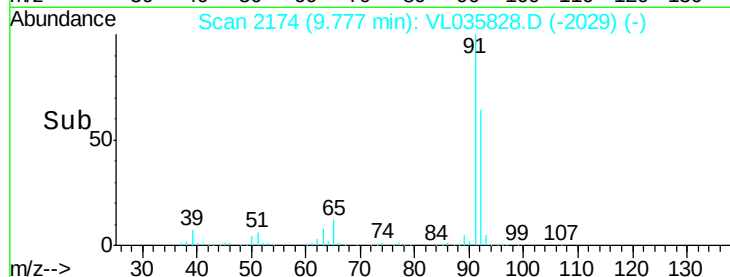
500000

0

9.78

9.70 9.80 9.90

Time-->



#54

1,2-Dibromoethane

Concen: 9.155 ppbv

RT: 10.58 min Scan# 2425

Delta R.T. -0.04 min

Lab File: VL035828.D

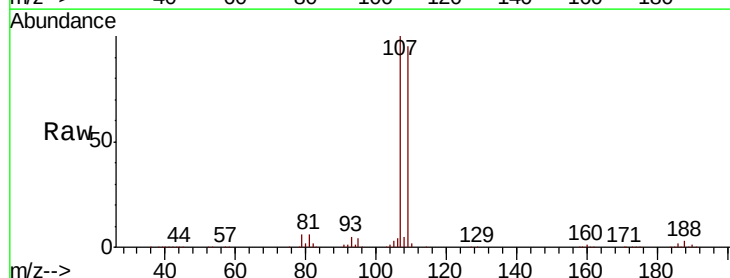
Acq: 4 Nov 2020 9:00

Tgt Ion:107 Resp: 2287879

Ion Ratio Lower Upper

107 100

109 94.8 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

1000000

800000

600000

400000

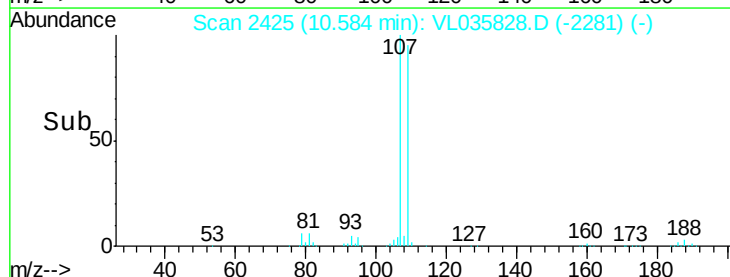
200000

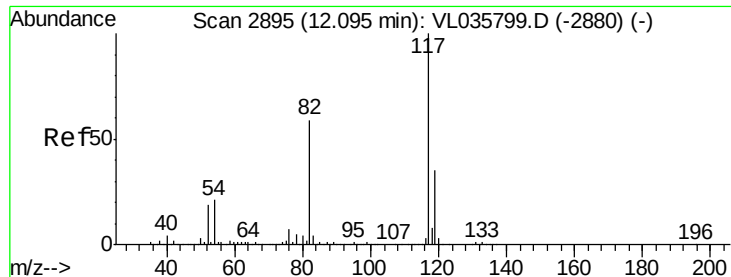
0

10.58

10.50 10.60 10.70

Time-->





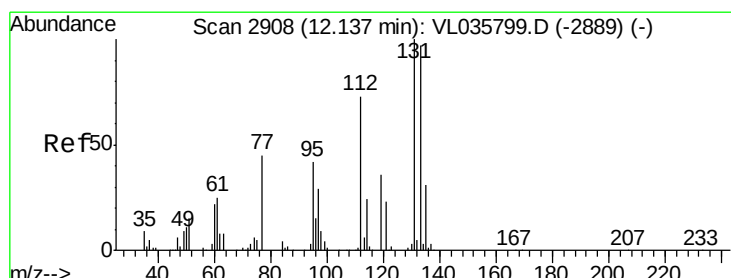
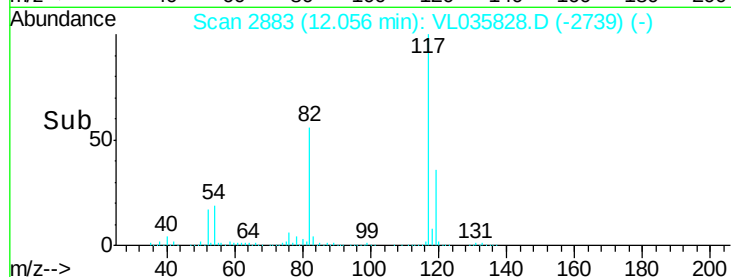
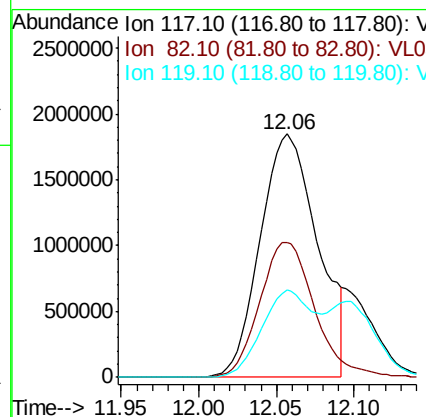
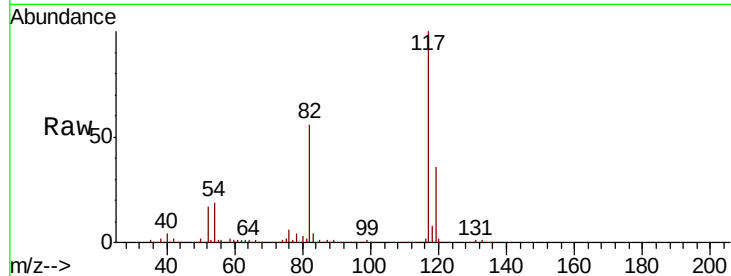
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.06 min Scan# 2883
Delta R.T. -0.04 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 4780778
Ion Ratio Lower Upper
117 100
82 53.5 50.6 76.0
119 34.3 52.6 78.8#

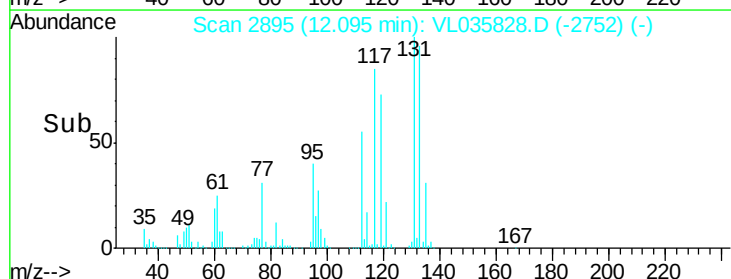
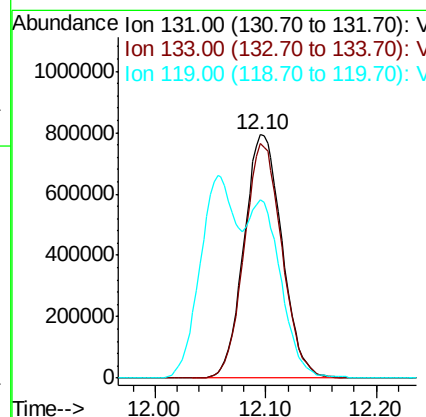
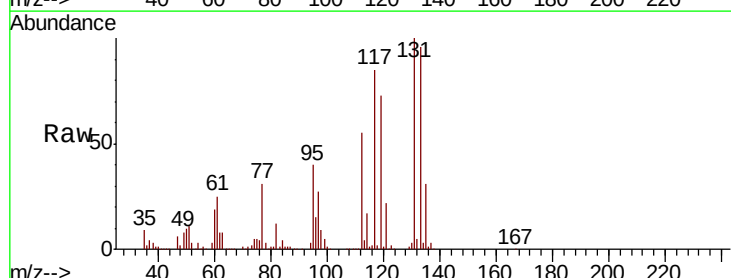
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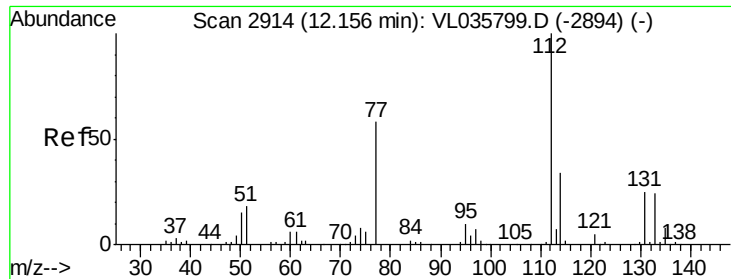
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.857 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.04 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Tgt Ion:131 Resp: 1900371
Ion Ratio Lower Upper
131 100
133 95.6 76.8 115.2
119 60.0 47.4 71.0





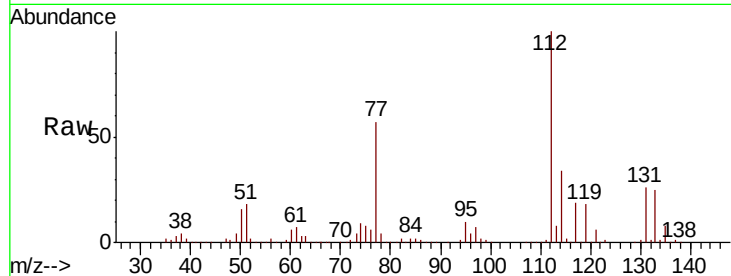
#57
Chlorobenzene
Concen: 8.289 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.04 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

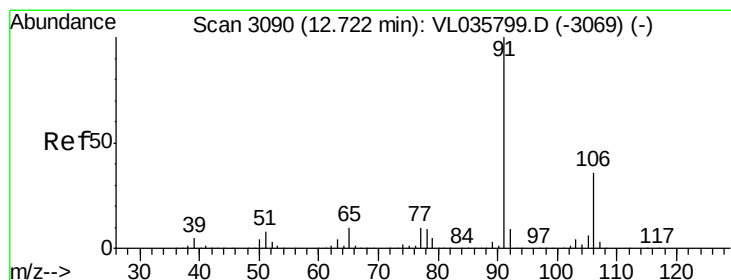
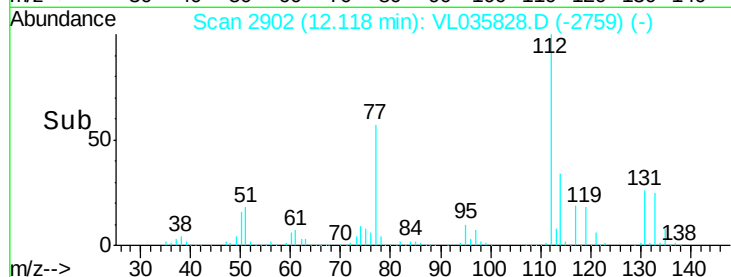
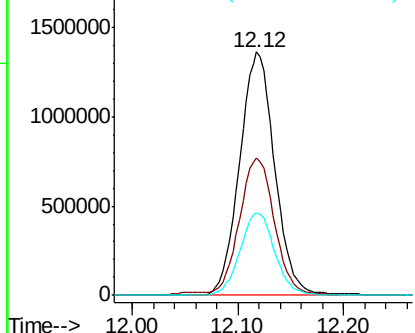
Tot Ion: 112 Resp: 3150636
Ion Ratio Lower Upper
112 100
77 56.3 47.5 71.3
114 33.9 30.3 37.1

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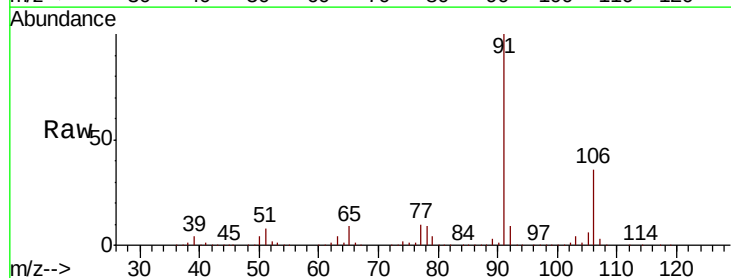


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

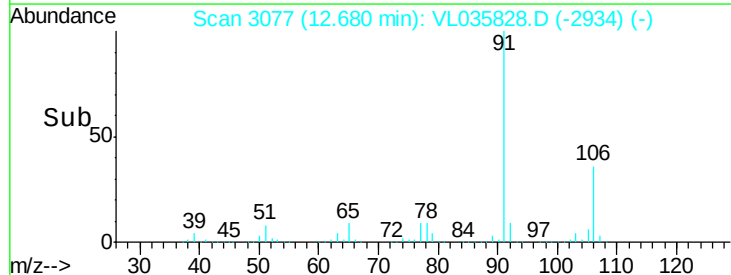
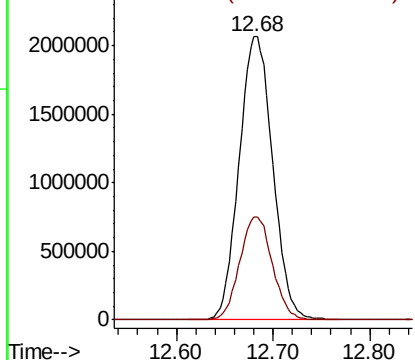


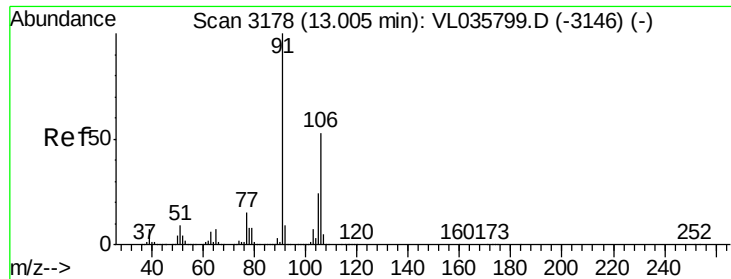
#58
Ethyl Benzene
Concen: 8.558 ppbv
RT: 12.68 min Scan# 3077
Delta R.T. -0.04 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Tgt Ion: 91 Resp: 4983110
Ion Ratio Lower Upper
91 100
106 36.2 28.6 43.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





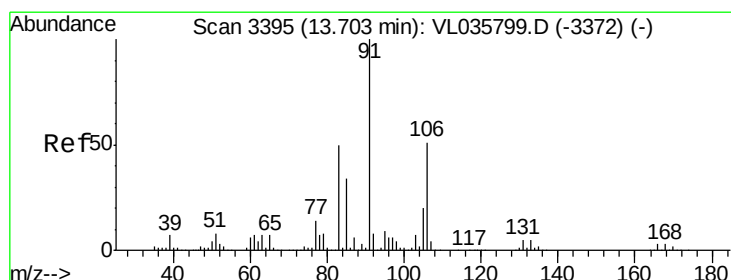
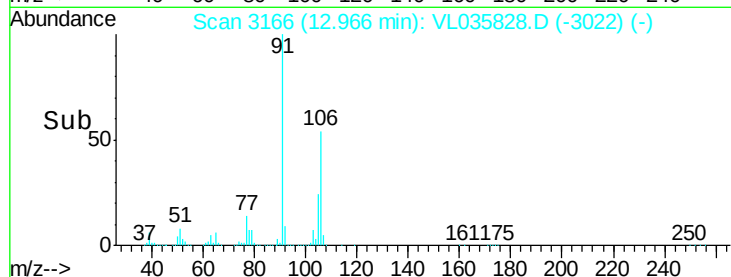
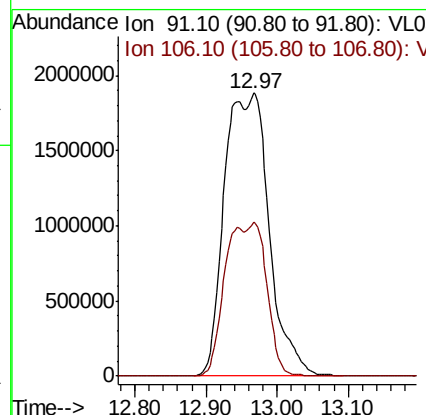
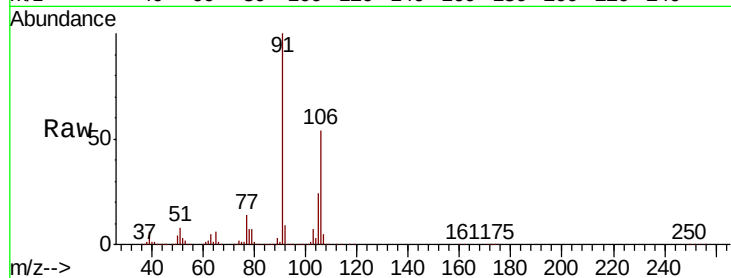
#59
m/p-Xylene
Concen: 16.712 ppbv
RT: 12.97 min Scan# 3166
Delta R.T. -0.04 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 8232786
Ion Ratio Lower Upper
91 100
106 50.5 39.5 59.3

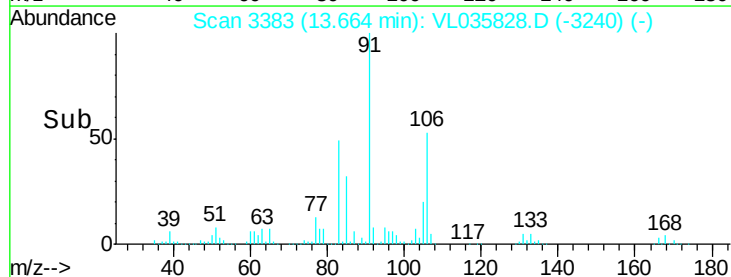
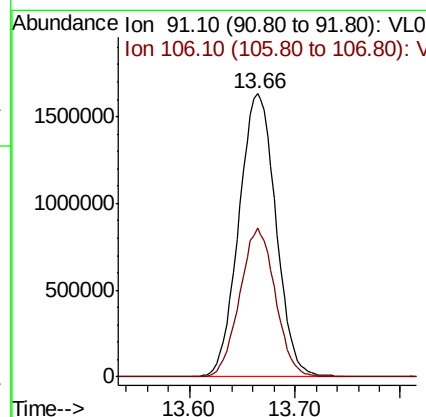
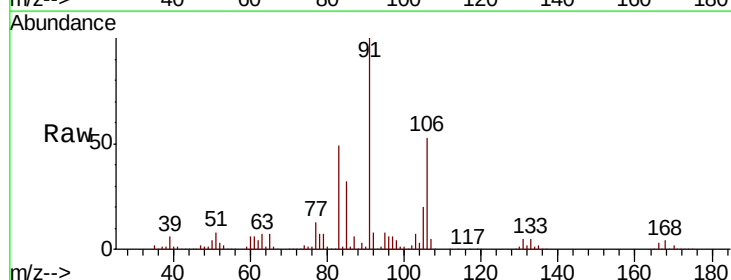
Manual Integrations
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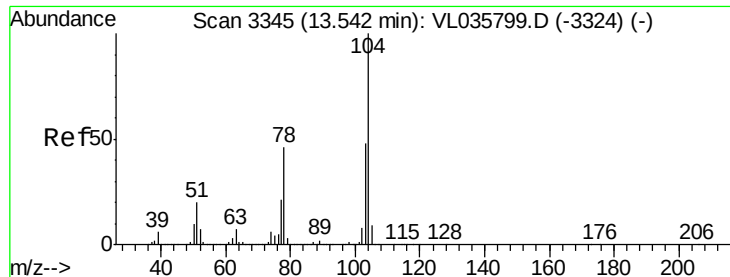
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#60
o-Xylene
Concen: 8.290 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. -0.04 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Tgt Ion: 91 Resp: 3972947
Ion Ratio Lower Upper
91 100
106 50.6 24.8 74.4





#61

Stvrene

Concen: 9.068 ppbv

RT: 13.50 min Scan# 3332

Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:104 Resp: 3184067

Ion Ratio Lower Upper

104 100

78 44.6 37.1 55.7

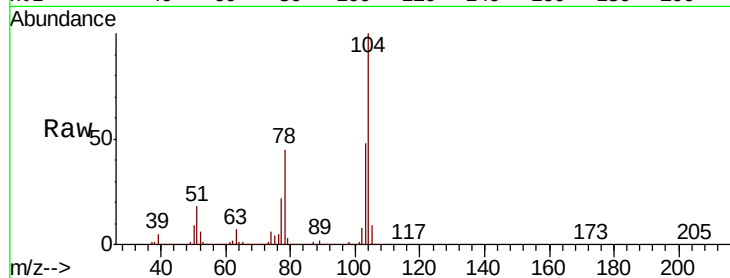
103 47.6 37.9 56.9

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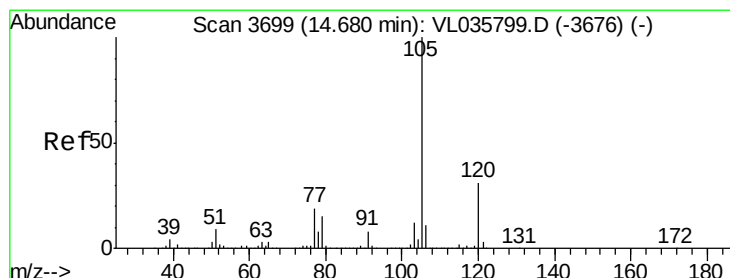
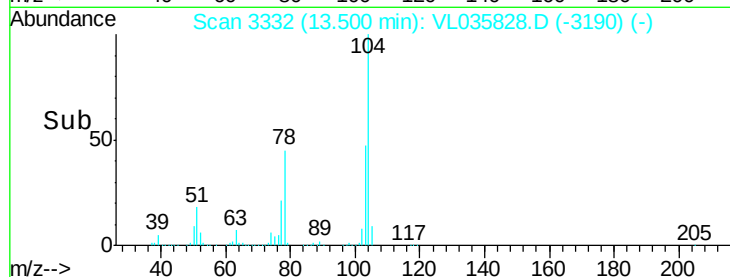
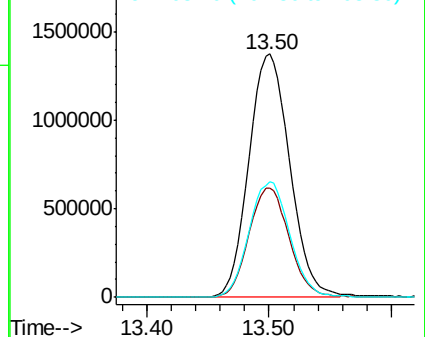
11/5/2020 2:16:21 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.169 ppbv

RT: 14.64 min Scan# 3687

Delta R.T. -0.04 min

Lab File: VL035828.D

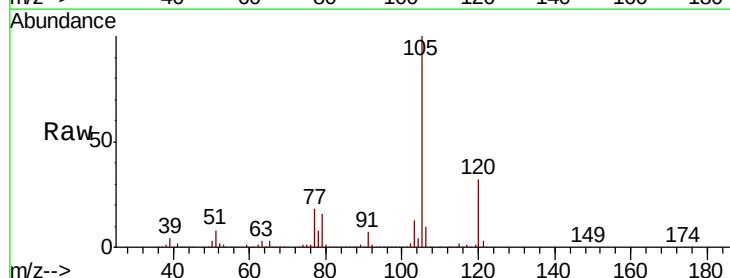
Acq: 4 Nov 2020 9:00

Tgt Ion:105 Resp: 6152798

Ion Ratio Lower Upper

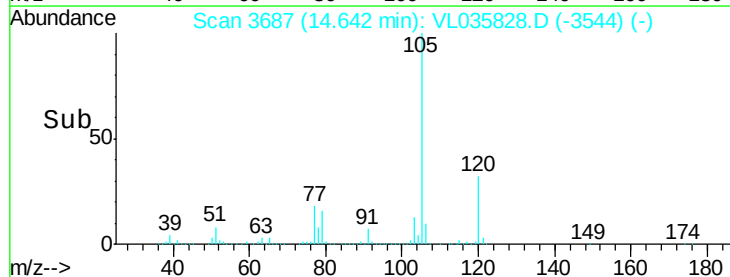
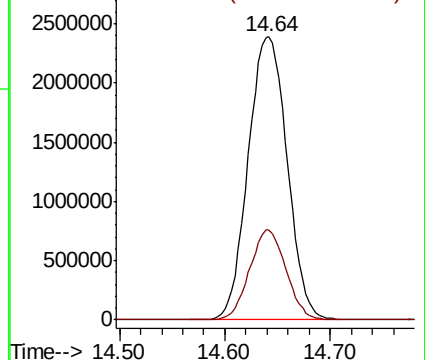
105 100

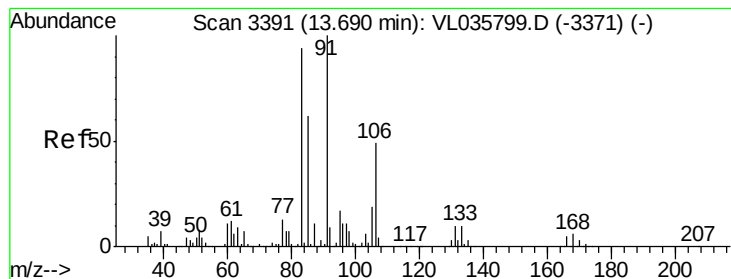
120 29.8 23.5 35.3



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: 7.364 ppbv

RT: 13.65 min Scan# 3379

Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 2734561

Ion Ratio Lower Upper

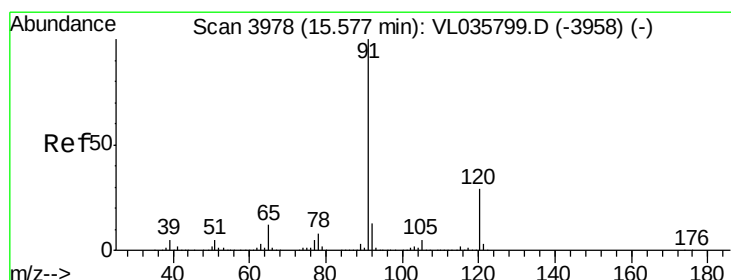
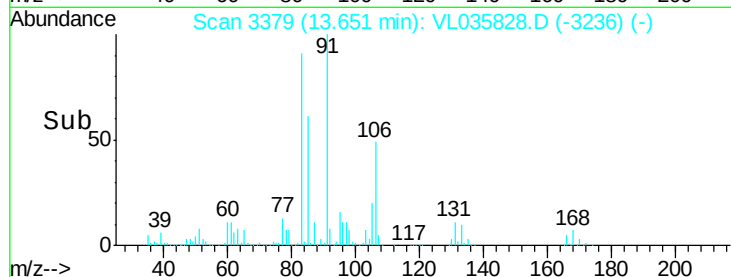
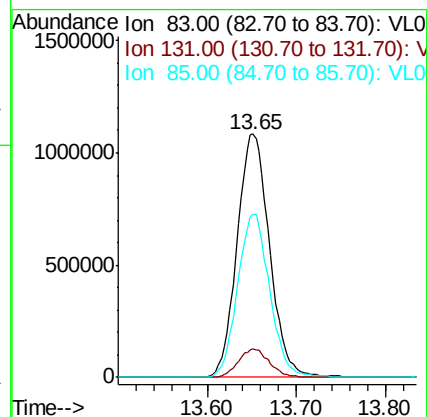
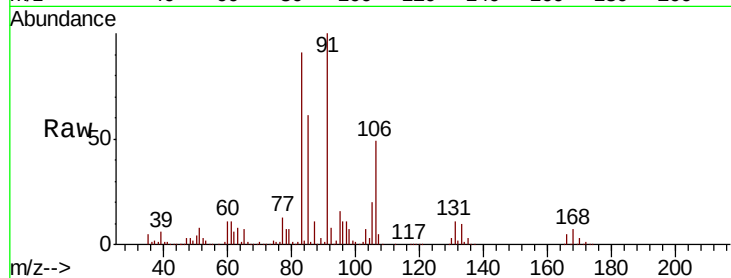
83 100

131 11.2 5.3 15.8

85 66.7 33.5 100.4

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#64

n-propylbenzene

Concen: 8.561 ppbv

RT: 15.53 min Scan# 3964

Delta R.T. -0.05 min

Lab File: VL035828.D

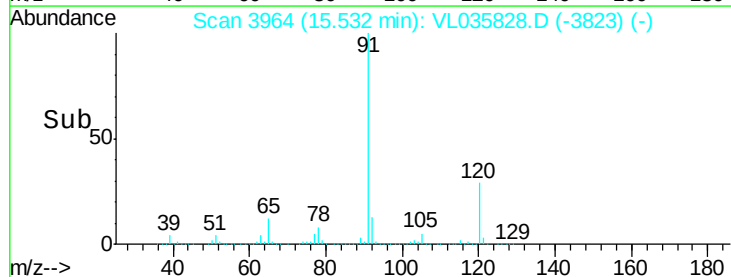
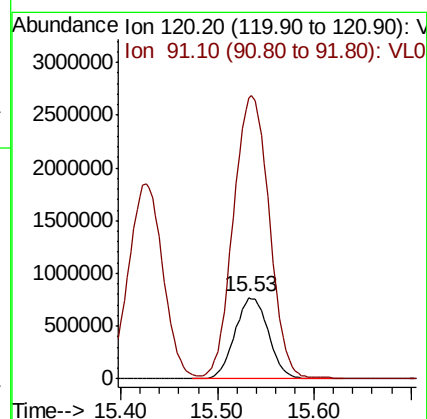
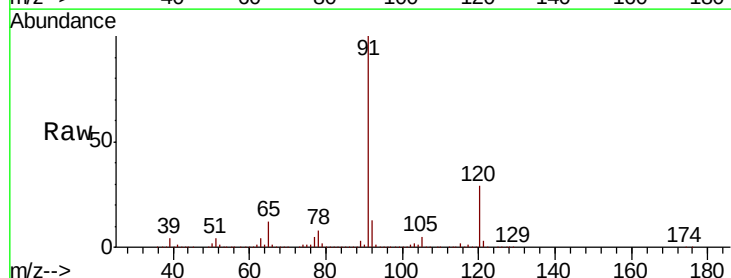
Acq: 4 Nov 2020 9:00

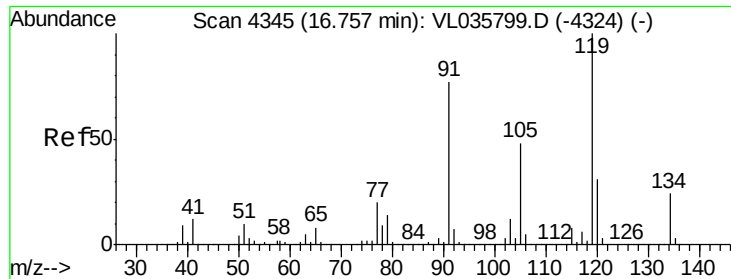
Tgt Ion:120 Resp: 1863908

Ion Ratio Lower Upper

120 100

91 372.6 311.1 466.7





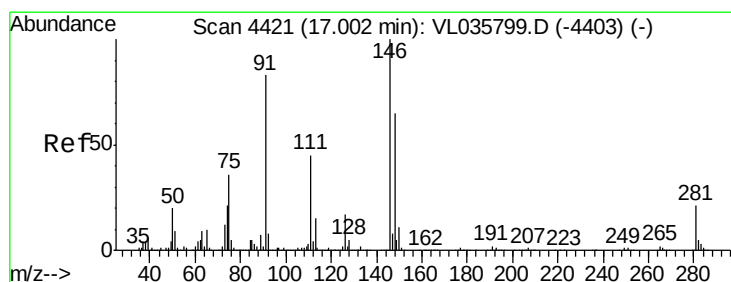
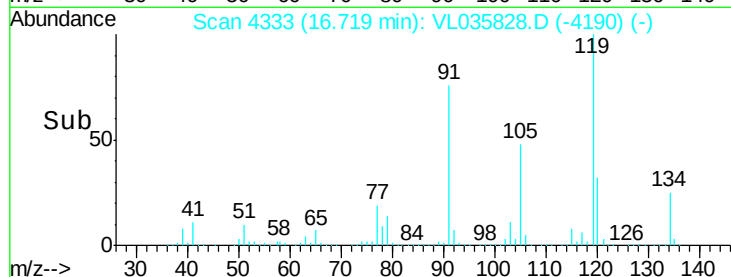
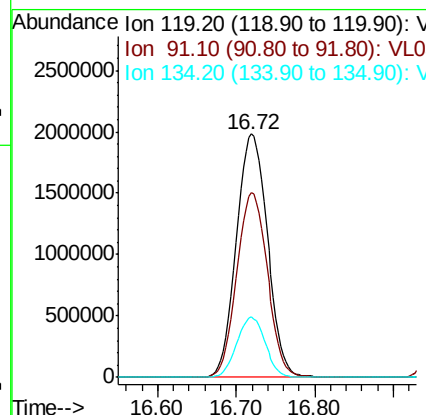
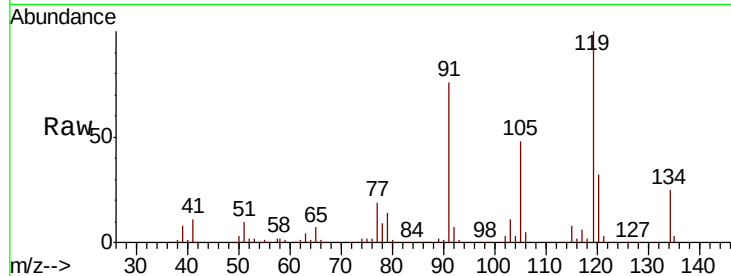
#65
tert-Butylbenzene
Concen: 8.015 ppbv
RT: 16.72 min Scan# 4333
Delta R.T. -0.04 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 119 Resp: 5495240
Ion Ratio Lower Upper
119 100
91 74.8 62.0 93.0
134 22.7 17.8 26.8

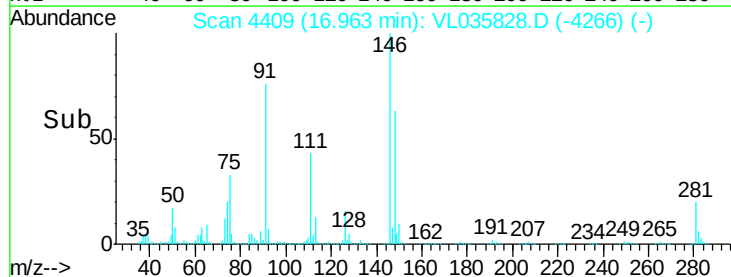
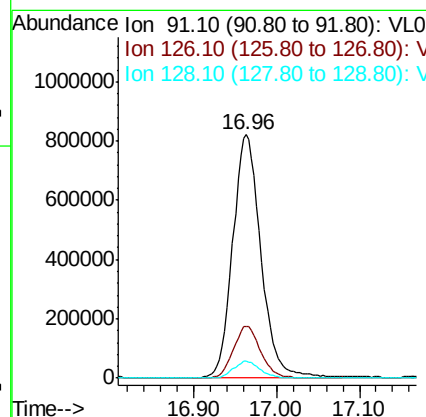
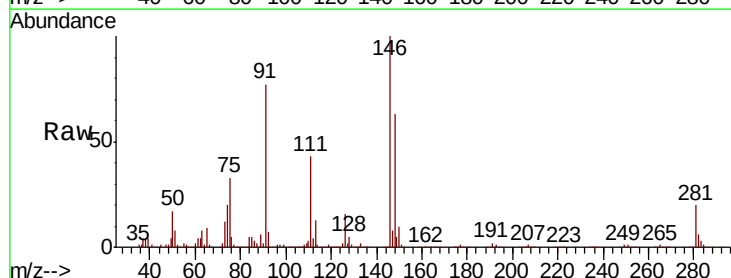
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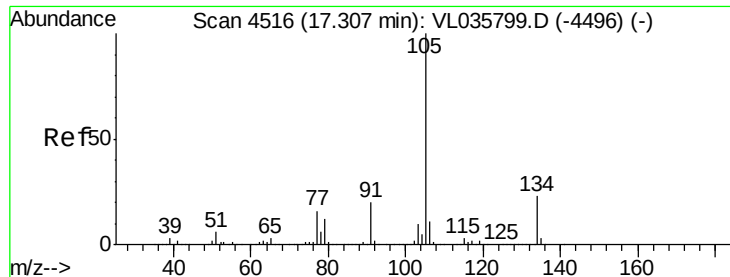
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#66
Benzyl Chloride
Concen: 8.566 ppbv
RT: 16.96 min Scan# 4409
Delta R.T. -0.04 min
Lab File: VL035828.D
Acq: 4 Nov 2020 9:00

Tgt Ion: 91 Resp: 1941179
Ion Ratio Lower Upper
91 100
126 20.8 16.0 24.0
128 6.7 5.0 7.4





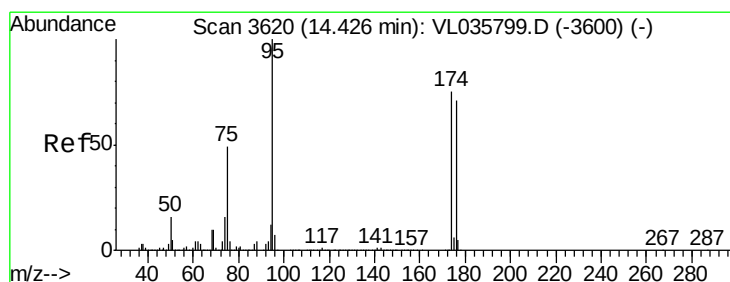
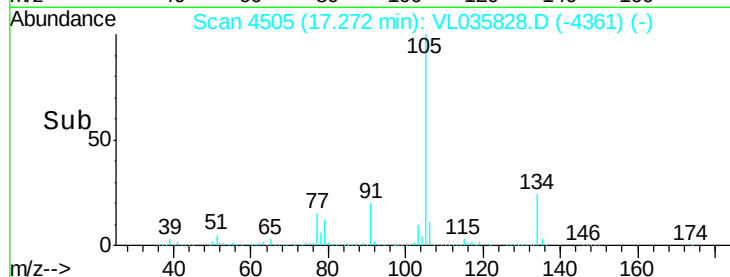
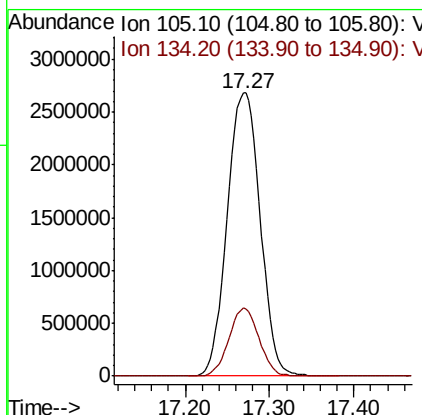
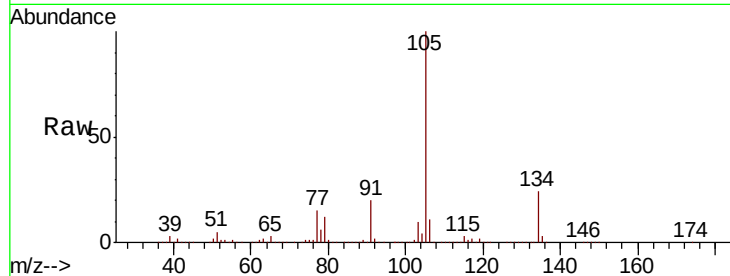
#67
 sec-Butylbenzene
 Concen: 7.883 ppbv
 RT: 17.27 min Scan# 4505
 Delta R.T. -0.04 min
 Lab File: VL035828.D
 Acq: 4 Nov 2020 9:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 105 Resp: 7283670
 Ion Ratio Lower Upper
 105 100
 134 22.0 17.0 25.6

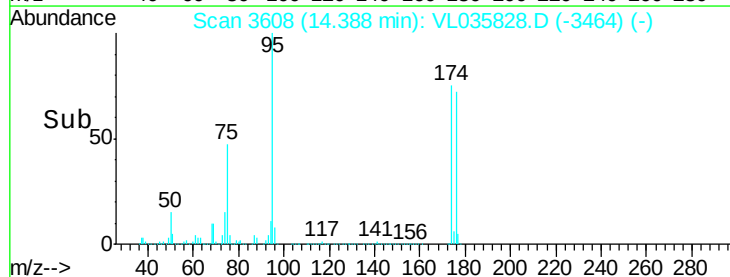
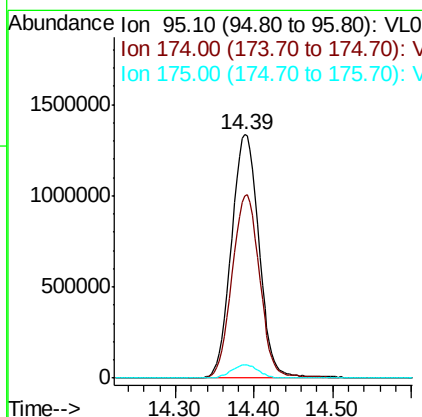
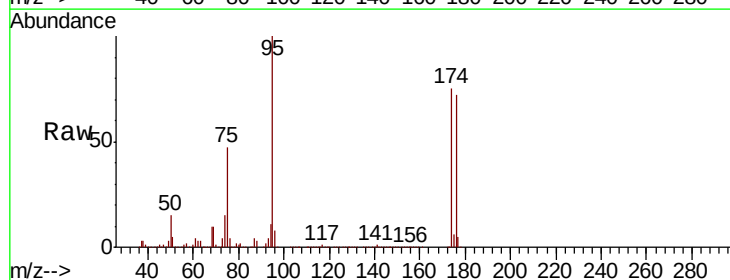
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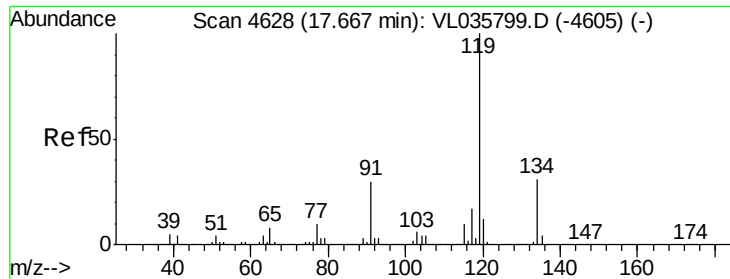
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.583 ppbv
 RT: 14.39 min Scan# 3608
 Delta R.T. -0.04 min
 Lab File: VL035828.D
 Acq: 4 Nov 2020 9:00

Tgt Ion: 95 Resp: 3254947
 Ion Ratio Lower Upper
 95 100
 174 76.2 59.8 89.6
 175 5.4 4.3 6.5





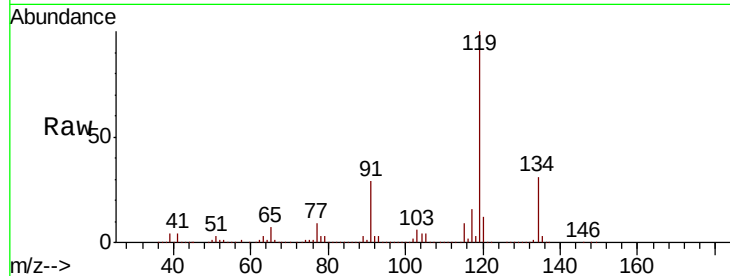
#69
 p-Isopropyltoluene
 Concen: 8.061 ppbv
 RT: 17.63 min Scan# 4616
 Delta R.T. -0.04 min
 Lab File: VL035828.D
 Acq: 4 Nov 2020 9:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

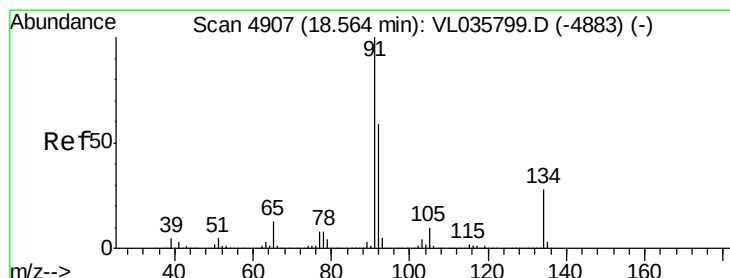
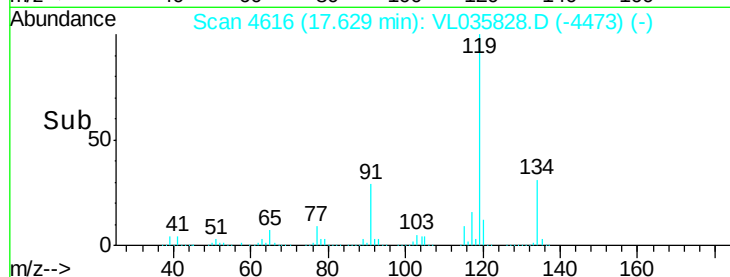
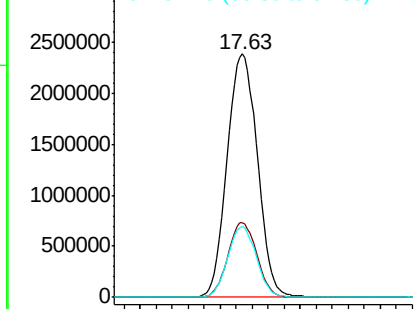
Tot Ion: 119 Resp: 6146015
 Ion Ratio Lower Upper
 119 100
 134 29.4 23.0 34.6
 91 27.5 22.8 34.2

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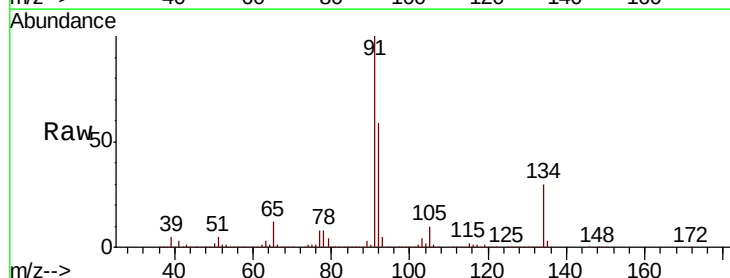


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

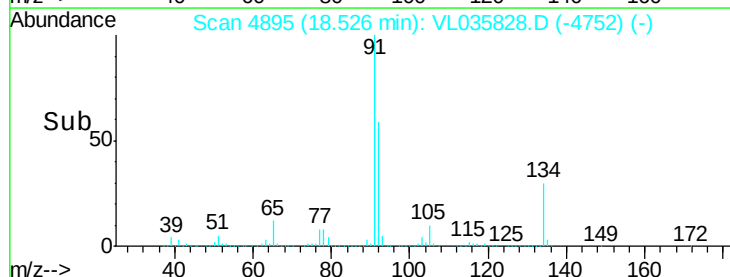
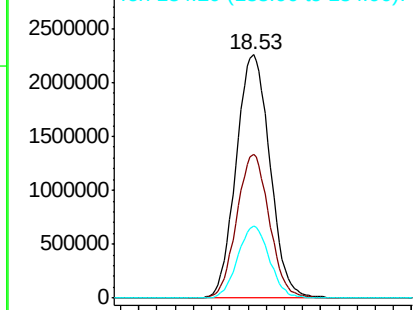


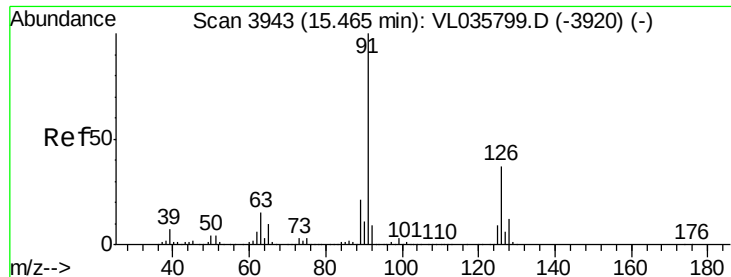
#70
 n-Butylbenzene
 Concen: 7.933 ppbv
 RT: 18.53 min Scan# 4895
 Delta R.T. -0.04 min
 Lab File: VL035828.D
 Acq: 4 Nov 2020 9:00

Tgt Ion: 91 Resp: 5824754
 Ion Ratio Lower Upper
 91 100
 92 57.3 45.7 68.5
 134 28.1 21.0 31.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





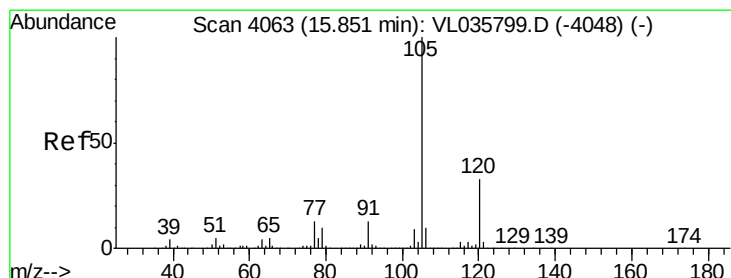
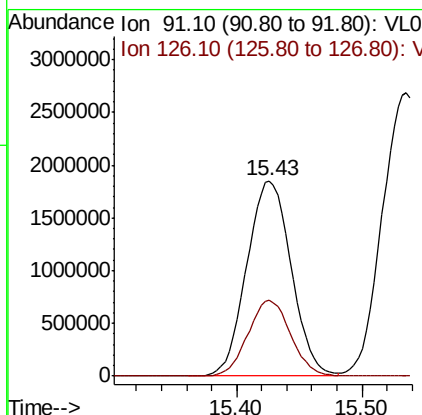
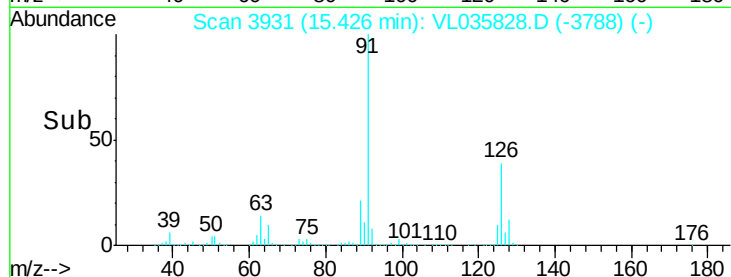
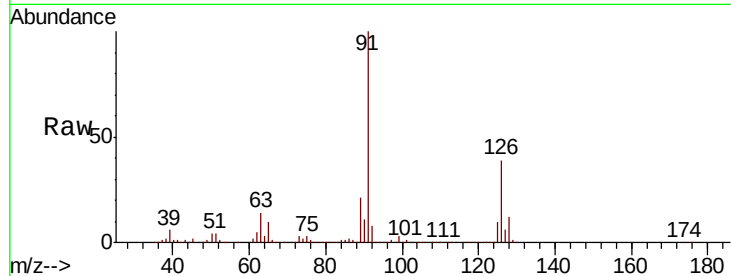
#71
 2-Chlorotoluene
 Concen: 8.270 ppbv
 RT: 15.43 min Scan# 3931
 Delta R.T. -0.04 min
 Lab File: VL035828.D
 Acq: 4 Nov 2020 9:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 91 Resp: 4556356
 Ion Ratio Lower Upper
 91 100
 126 37.5 14.3 57.1

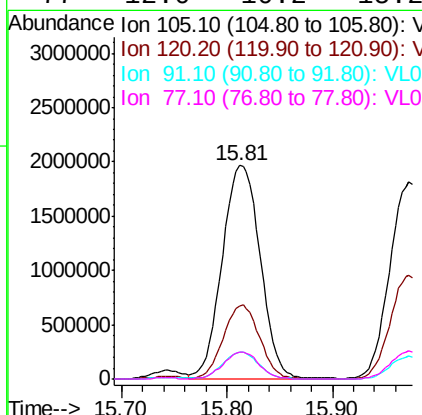
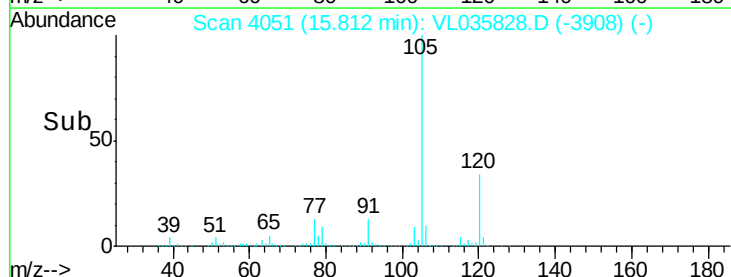
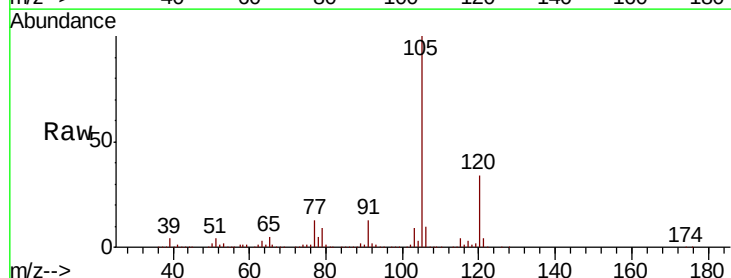
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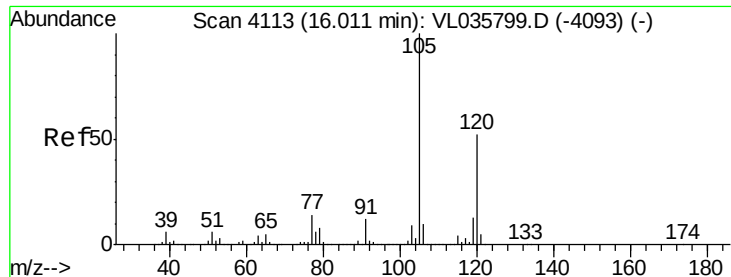
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#72
 4-Ethyltoluene
 Concen: 8.457 ppbv
 RT: 15.81 min Scan# 4051
 Delta R.T. -0.04 min
 Lab File: VL035828.D
 Acq: 4 Nov 2020 9:00

Tgt Ion: 105 Resp: 4915182
 Ion Ratio Lower Upper
 105 100
 120 33.1 25.9 38.9
 91 11.8 9.9 14.9
 77 12.0 10.2 15.2





#73

1,3,5-Trimethylbenzene

Concen: 8.388 ppbv

RT: 15.97 min Scan# 4101

Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 4461616

Ion Ratio Lower Upper

105 100

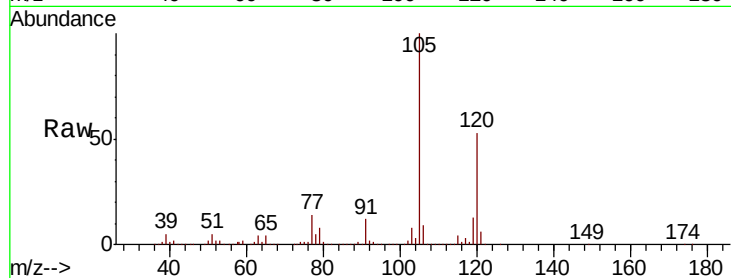
120 52.7 41.4 62.2

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.97

2000000

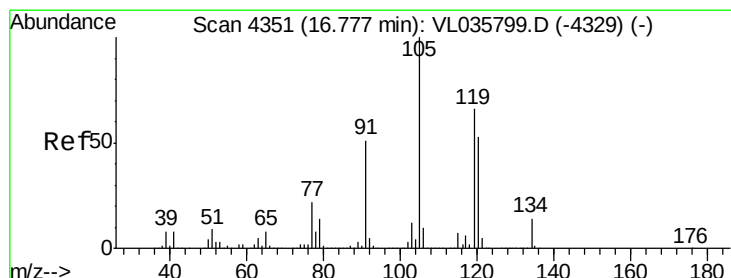
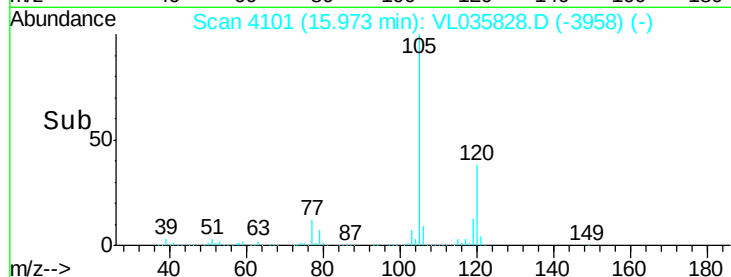
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.955 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.04 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Tgt Ion:105 Resp: 4533864

Ion Ratio Lower Upper

105 100

120 54.1 42.0 63.0

91 50.9 41.0 61.6

77 20.7 17.3 25.9

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

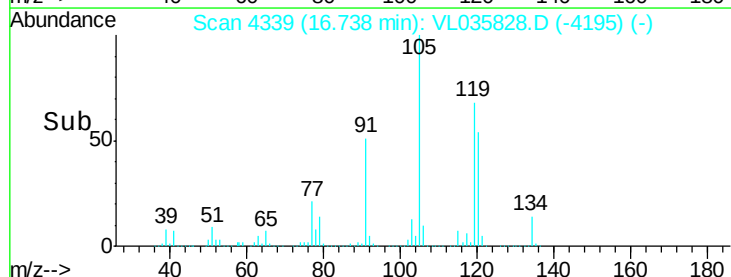
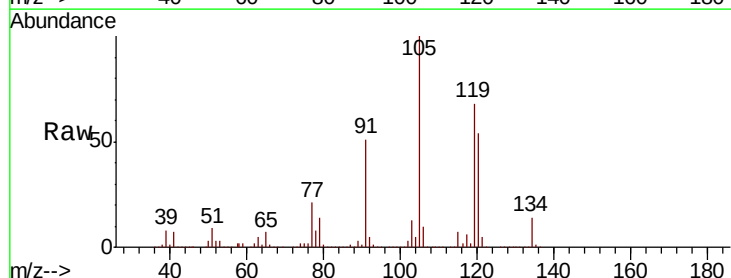
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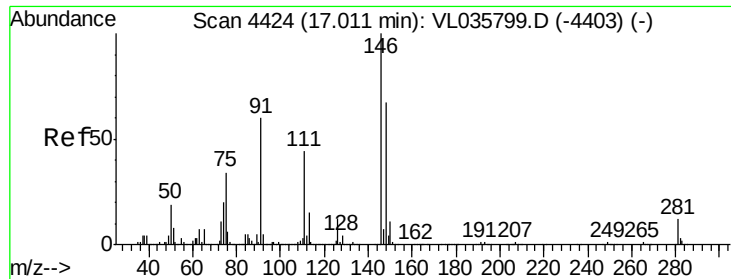
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500000

0

Time-->





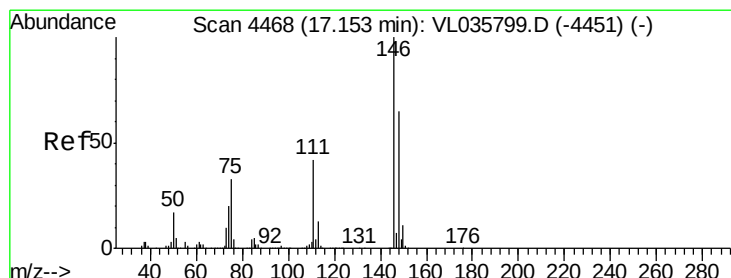
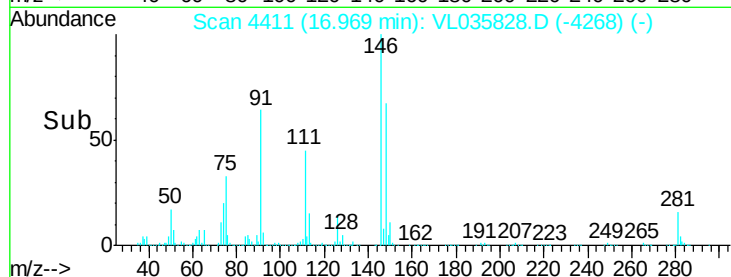
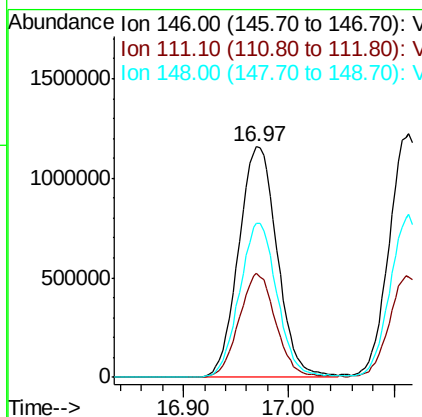
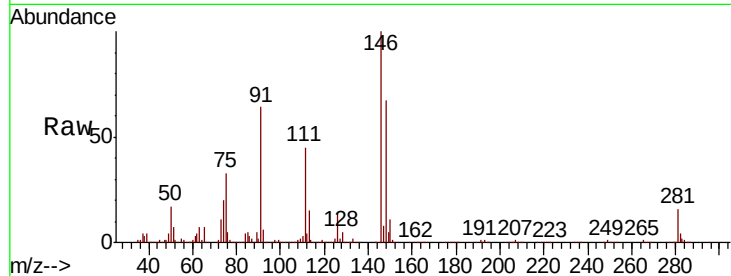
#75
 1,3-Dichlorobenzene
 Concen: 8.137 ppbv
 RT: 16.97 min Scan# 4411
 Delta R.T. -0.04 min
 Lab File: VL035828.D
 Acq: 4 Nov 2020 9:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 2952704
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.8 65.4
 148 65.3 32.5 97.5

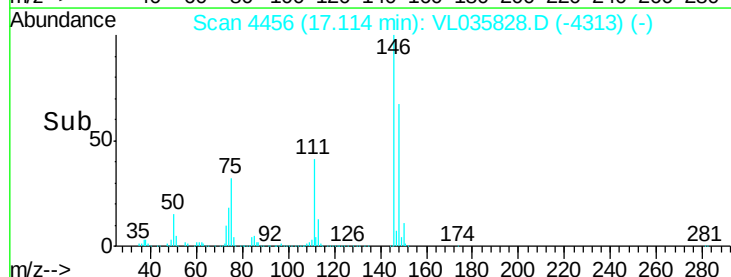
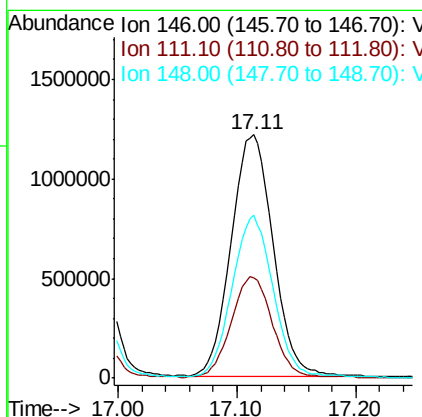
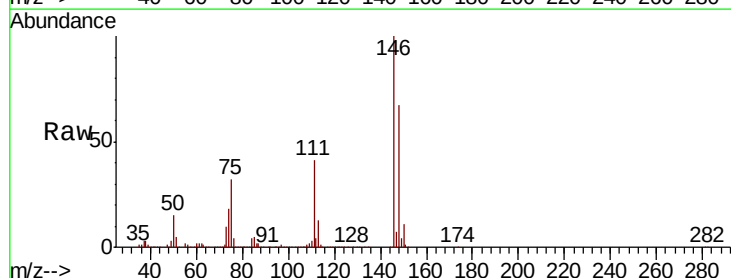
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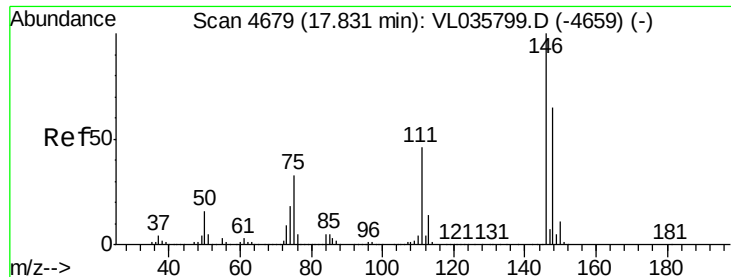
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#76
 1,4-Dichlorobenzene
 Concen: 8.435 ppbv
 RT: 17.11 min Scan# 4456
 Delta R.T. -0.04 min
 Lab File: VL035828.D
 Acq: 4 Nov 2020 9:00

Tgt Ion:146 Resp: 2952758
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.3 63.7
 148 66.8 33.0 99.0





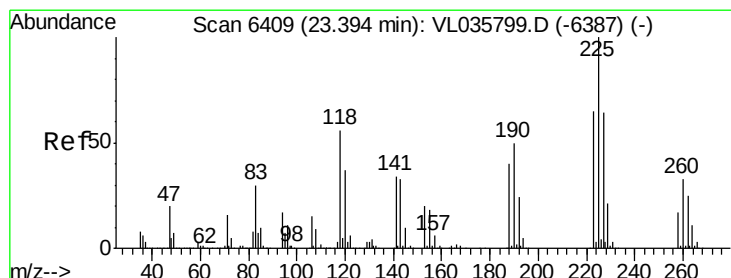
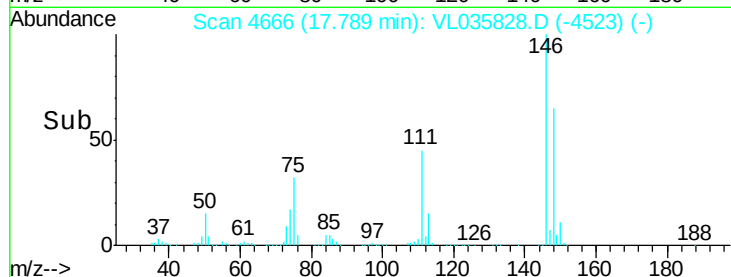
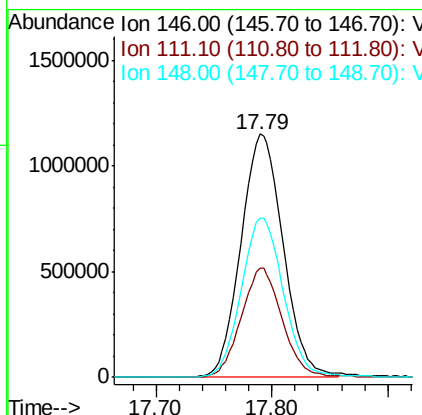
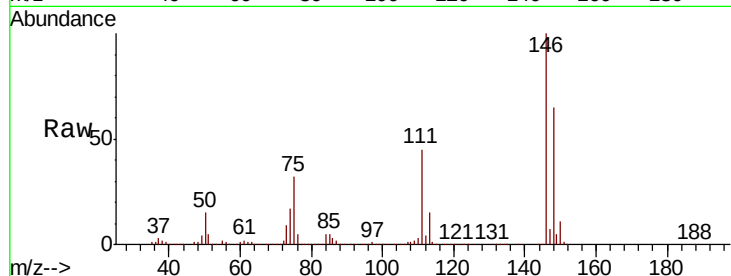
#77
 1,2-Dichlorobenzene
 Concen: 8.181 ppbv
 RT: 17.79 min Scan# 4666
 Delta R.T. -0.04 min
 Lab File: VL035828.D
 Acq: 4 Nov 2020 9:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 2894159
 Ion Ratio Lower Upper
 146 100
 111 43.9 22.4 67.0
 148 65.9 32.5 97.5

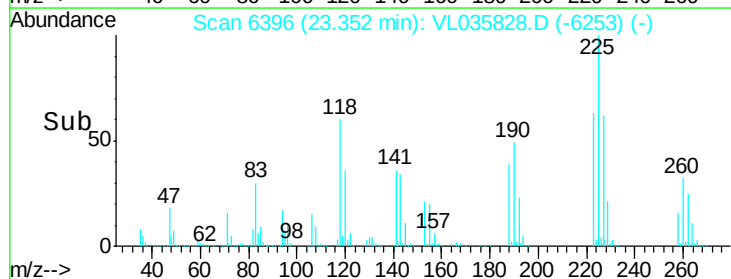
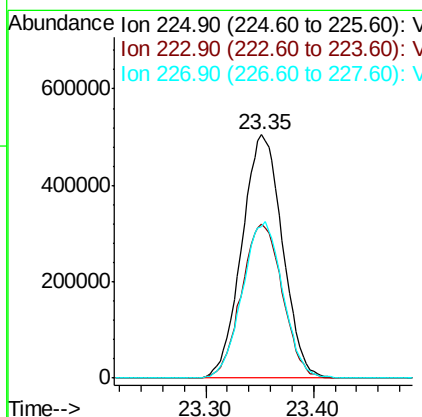
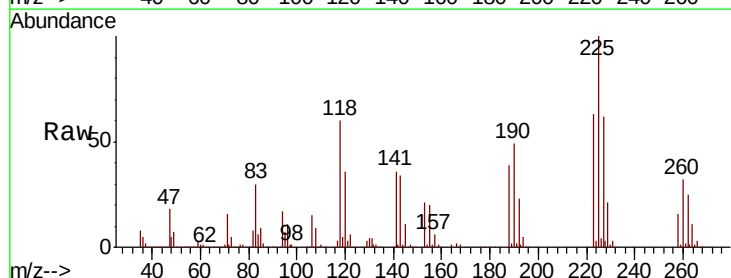
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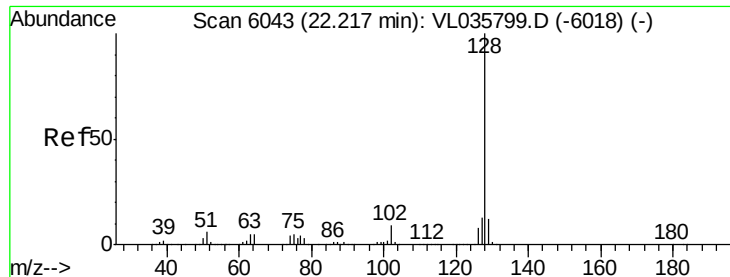
MMDadoda
 11/5/2020 2:16:21 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.002 ppbv
 RT: 23.35 min Scan# 6396
 Delta R.T. -0.04 min
 Lab File: VL035828.D
 Acq: 4 Nov 2020 9:00

Tgt Ion:225 Resp: 1320764
 Ion Ratio Lower Upper
 225 100
 223 64.1 51.0 76.6
 227 64.3 51.2 76.8





#79

Naphthalene

Concen: 9.058 ppbv

RT: 22.17 min Scan# 6028

Delta R.T. -0.05 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:128 Resp: 3598881

Ion Ratio Lower Upper

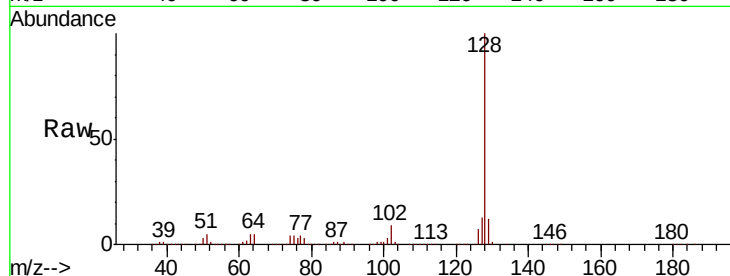
128 100

127 12.8 10.2 15.4

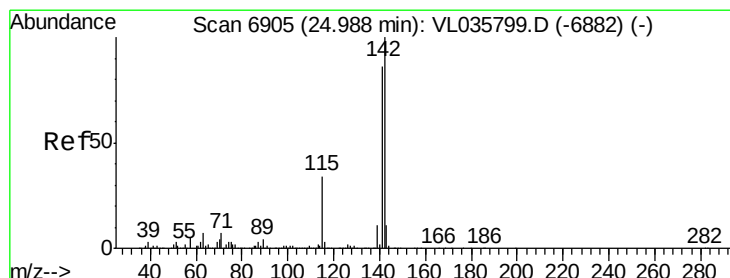
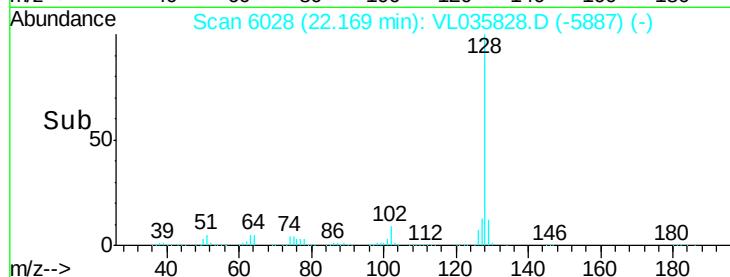
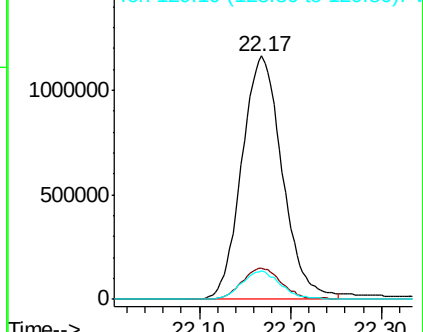
129 11.6 9.2 13.8

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



#80

Naphthalene, 2-methyl-

Concen: 11.667 ppbv

RT: 24.96 min Scan# 6895

Delta R.T. -0.03 min

Lab File: VL035828.D

Acq: 4 Nov 2020 9:00

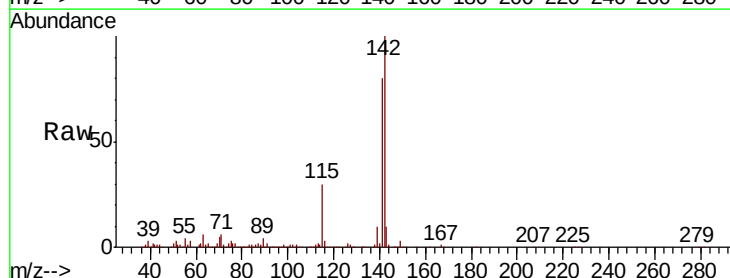
Tgt Ion:142 Resp: 755369

Ion Ratio Lower Upper

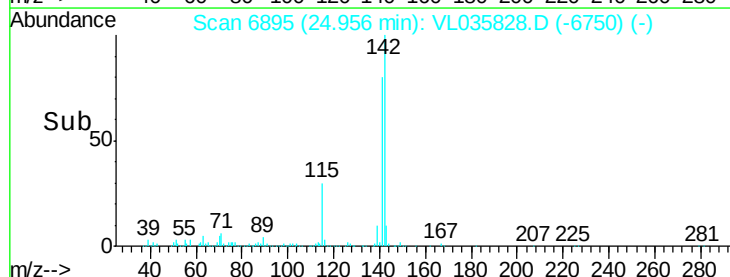
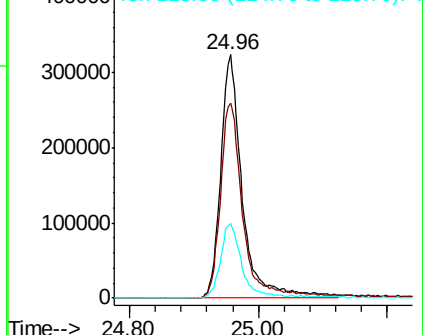
142 100

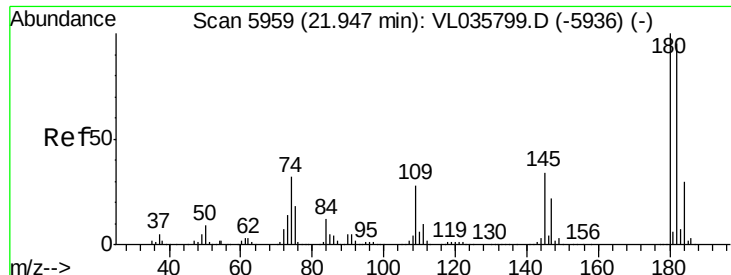
141 85.7 67.8 101.8

115 30.3 28.1 42.1



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: 8.715 ppbv
 RT: 21.90 min Scan# 5944
 Delta R.T. -0.05 min
 Lab File: VL035828.D
 Acq: 4 Nov 2020 9:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.9	77.2	115.8
184	31.5	24.7	37.1

Manual Integrations
 APPROVED

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