

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110320\
 Data File : VL035808.D
 Acq On : 3 Nov 2020 17:24
 Operator : SY/AP
 Sample : VL1103ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1103ABS01

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:13:41 PM

Quant Time: Nov 04 05:28:22 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	5.65	49	1252605	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	5730306	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	5578106m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3799978	9.59	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	2258289	9.576	ppbv	99
3) Chlorodifluoromethane	2.97	51	1355312	9.035	ppbv	98
4) Chloromethane	3.13	50	657090	9.017	ppbv	100
5) Vinyl Chloride	3.24	62	890311	9.584	ppbv	99
6) Bromomethane	3.46	94	767341	10.271	ppbv	100
7) Chloroethane	3.55	64	337862	10.334	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	2546650	9.436	ppbv	100
9) Propene	3.00	41	513183	9.347	ppbv	100
10) Heptane	8.11	43	1394044	9.193	ppbv	95
11) Trichlorofluoromethane	3.94	101	2653512	8.961	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2039224	9.249	ppbv	94
13) Ethanol	3.59	45	103967	8.729	ppbv	97
14) Bromoethene	3.73	108	1014489	9.998	ppbv	99
15) Acetone	3.84	43	1123254	8.388	ppbv	98
16) 1,3-Butadiene	3.31	39	519922	9.018	ppbv	92
17) tert-Butyl alcohol	4.28	59	1785073	10.058	ppbv	100
18) 1,1-Dichloroethene	4.28	96	995412	9.833	ppbv	96
19) Isopropyl Alcohol	3.96	45	791645	9.620	ppbv	# 96
20) Methylene Chloride	4.33	84	793611	8.418	ppbv	98
21) Allyl Chloride	4.40	41	722237	9.973	ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	985341	9.602	ppbv	99
23) Vinyl Acetate	5.06	43	1727518	9.203	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1716320	9.597	ppbv	99
25) Ethyl Acetate	5.66	43	2401312	9.102	ppbv	98
26) Hexane	5.67	57	1351740	9.291	ppbv	95
27) Carbon Disulfide	4.54	76	2246642	10.306	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	2595908	9.936	ppbv	99
29) Chloroform	5.74	83	2753578	9.629	ppbv	99
30) Cyclohexane	7.12	84	1615318	10.194	ppbv	90
31) cis-1,2-Dichloroethene	5.54	61	1475072	9.855	ppbv	93
32) 1,1,1-Trichloroethane	6.50	97	2773413	9.294	ppbv	99
34) 2-Butanone	5.23	43	1533220	8.244	ppbv	92
35) Carbon Tetrachloride	7.01	117	2741313	8.954	ppbv	97
36) Benzene	6.88	78	3758745	8.823	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1700699	8.812	ppbv	97
38) Trichloroethene	7.83	130	1781575	8.562	ppbv	99
39) 1,2-Dichloropropane	7.60	63	1230941	8.582	ppbv	94
40) 1,4-Dioxane	7.82	88	590188	8.682	ppbv	89
41) Tetrahydrofuran	6.04	42	930345	8.805	ppbv	89
42) Bromodichloromethane	7.78	83	2958312	9.084	ppbv	100
43) Methyl Methacrylate	8.01	69	1532909	9.434	ppbv	91

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Manual Integrations
 APPROVED

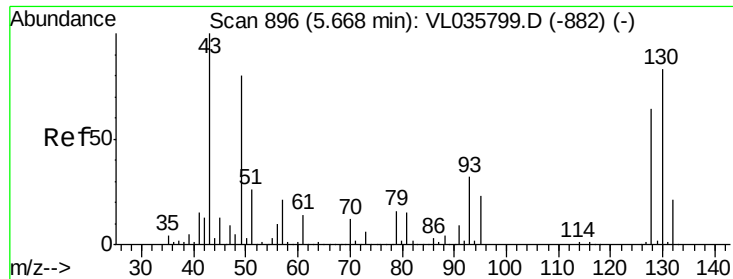
MMDadoda
 11/5/2020 2:13:41 PM

Quant Time: Nov 04 05:28:22 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
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.86	57	4590317	8.143	ppbv	98
45) t-1,3-Dichloropropene	9.27	75	1802970	10.467	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	2150913	9.860	ppbv	95
47) 1,1,2-Trichloroethane	9.47	97	1756163	8.986	ppbv	99
48) Dibromochloromethane	10.30	129	2866376	9.600	ppbv	99
49) Bromoform	13.04	173	2458137	9.757	ppbv	100
50) 4-Methyl-2-Pentanone	8.73	43	2373108	8.345	ppbv	95
51) 2-Hexanone	10.12	43	1986167	8.694	ppbv #	92
52) Tetrachloroethene	11.21	164	1666309	8.256	ppbv	97
53) Toluene	9.80	91	4622022	8.992	ppbv	99
54) 1,2-Dibromoethane	10.60	107	2747040	9.243	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	2207408	8.817	ppbv	98
57) Chlorobenzene	12.14	112	3785461	8.535	ppbv	97
58) Ethyl Benzene	12.71	91	5875721	8.649	ppbv	97
59) m/p-Xylene	12.99	91	9656799m	16.801	ppbv	
60) o-Xylene	13.69	91	4684649	8.378	ppbv	98
61) Styrene	13.52	104	3908977	9.541	ppbv	98
62) Isopropylbenzene	14.66	105	7152819	8.139	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	3284995	7.582	ppbv	99
64) n-propylbenzene	15.56	120	2244017	8.834	ppbv	88
65) tert-Butylbenzene	16.74	119	6436318	8.046	ppbv	97
66) Benzyl Chloride	16.99	91	2762160	10.446	ppbv	96
67) sec-Butylbenzene	17.29	105	8475279	7.862	ppbv	97
69) p-Isopropyltoluene	17.65	119	7298429	8.204	ppbv	98
70) n-Butylbenzene	18.55	91	6986410	8.155	ppbv	97
71) 2-Chlorotoluene	15.45	91	5450403	8.479	ppbv	96
72) 4-Ethyltoluene	15.84	105	5822517	8.586	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	5361919	8.640	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	5394159	8.112	ppbv	96
75) 1,3-Dichlorobenzene	17.00	146	3533018	8.344	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	3604511	8.825	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	3535510	8.566	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1595867	8.287	ppbv	100
79) Naphthalene	22.19	128	5097745	10.997	ppbv	100
80) Naphthalene, 2-methyl-	24.97	142	1446903	19.153	ppbv	97
81) 1,2,4-Trichlorobenzene	21.93	180	2528350	9.762	ppbv	99

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



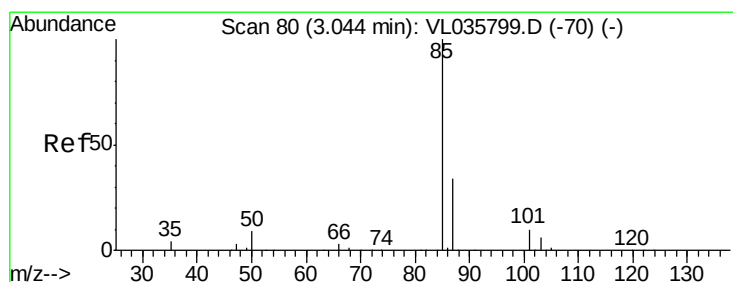
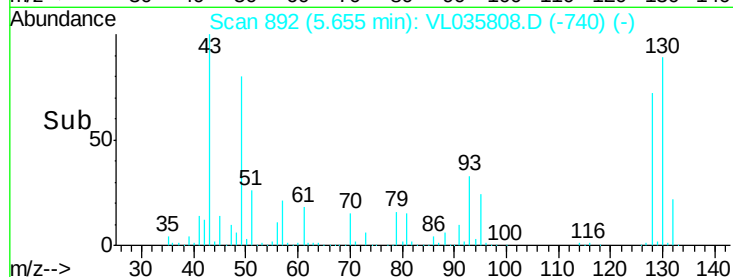
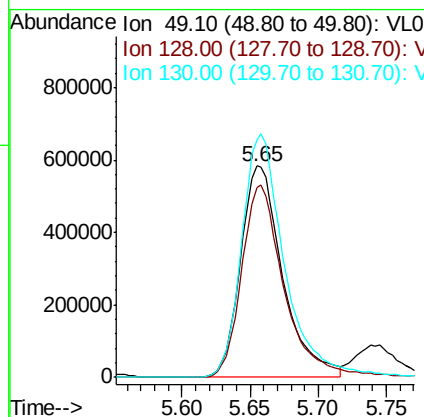
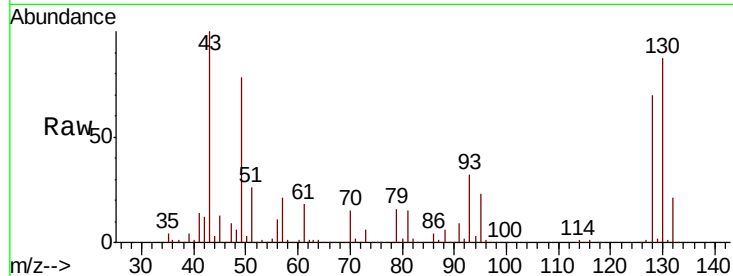
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL035808.D
Acq: 3 Nov 2020 17:24

Instrument :
MSVOA_L
ClientSampleId :
VL1103ABS01

Tot Ion: 49 Resp: 1252605
Ion Ratio Lower Upper
49 100
128 93.1 41.5 124.6
130 118.7 53.7 161.1

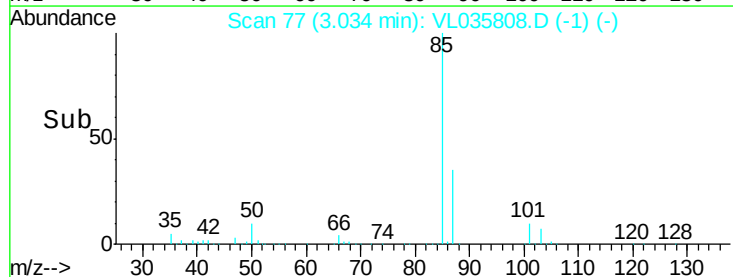
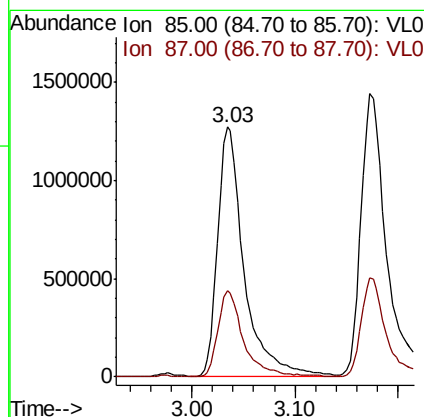
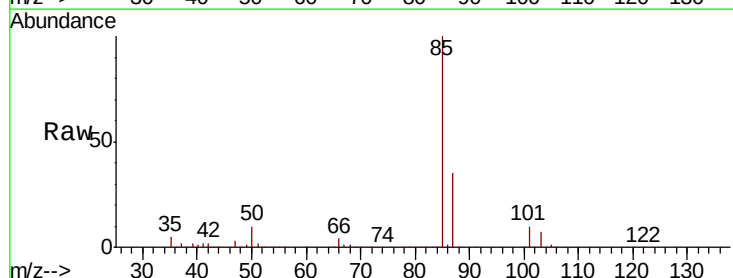
Manual Integrations
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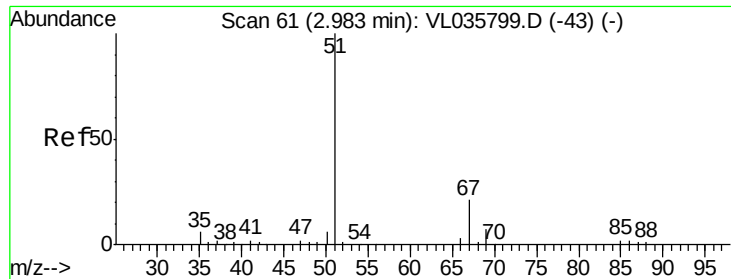
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#2
Dichlorodifluoromethane
Concen: 9.576 ppbv
RT: 3.03 min Scan# 77
Delta R.T. -0.01 min
Lab File: VL035808.D
Acq: 3 Nov 2020 17:24

Tgt Ion: 85 Resp: 2258289
Ion Ratio Lower Upper
85 100
87 34.7 27.1 40.7





#3

Chlorodifluoromethane

Concen: 9.035 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.01 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

Tot Ion: 51 Resp: 1355312

Ion Ratio Lower Upper

51 100

67 22.0 17.0 25.4

Instrument :

MSVOA_L

ClientSampleId :

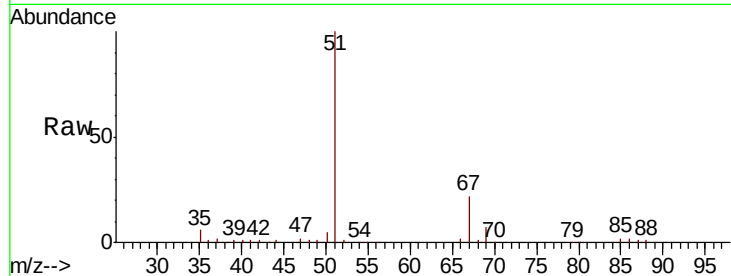
VL1103ABS01

Manual Integrations

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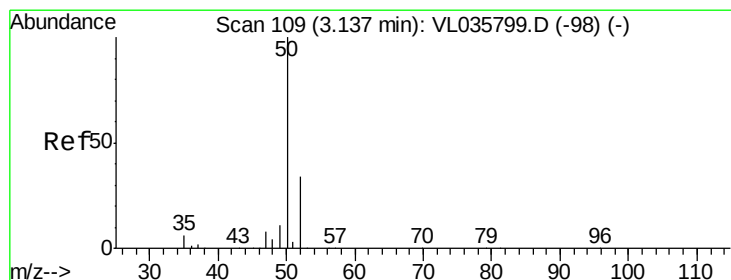
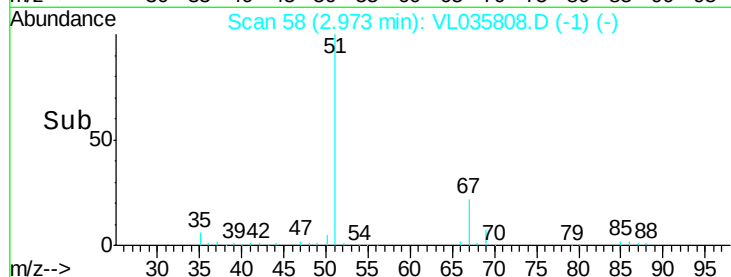
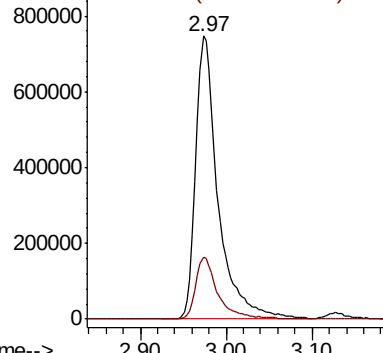
MMDadoda

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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: 9.017 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.01 min

Lab File: VL035808.D

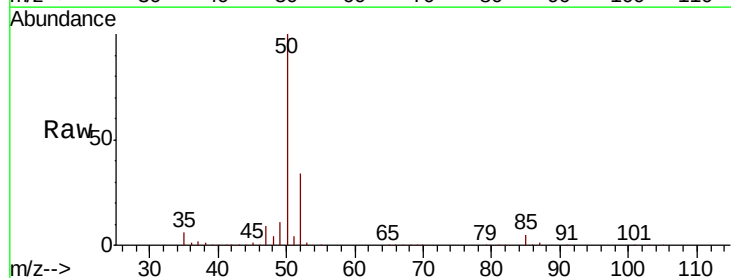
Acq: 3 Nov 2020 17:24

Tgt Ion: 50 Resp: 657090

Ion Ratio Lower Upper

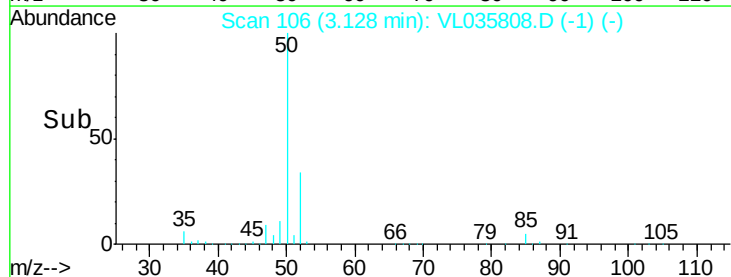
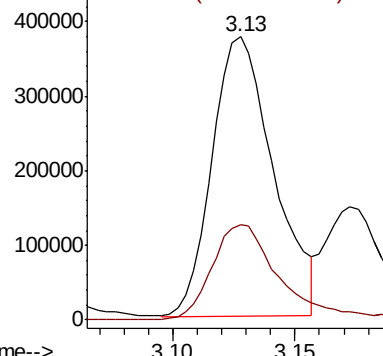
50 100

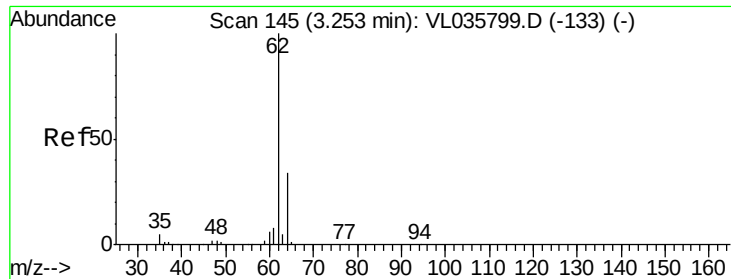
52 34.0 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.584 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.01 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

Instrument :

MSVOA_L

ClientSampleId :

VL1103ABS01

Tot Ion: 62 Resp: 890311

Ion Ratio Lower Upper

62 100

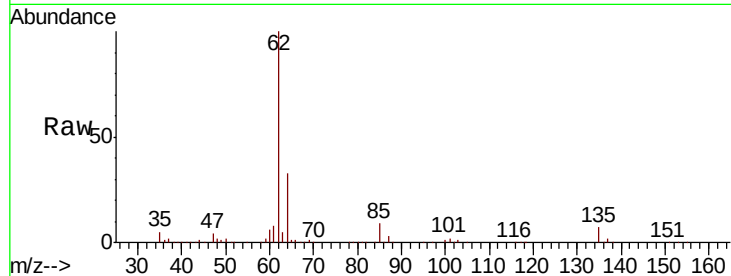
64 33.1 26.9 40.3

Manual Integrations

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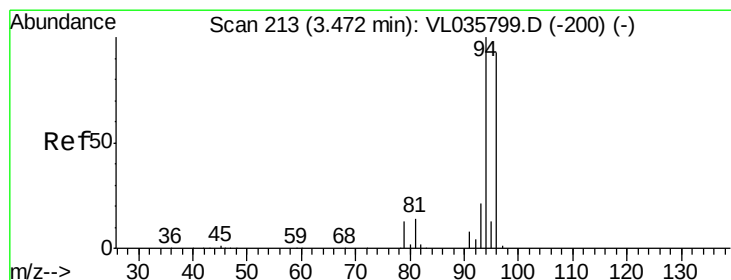
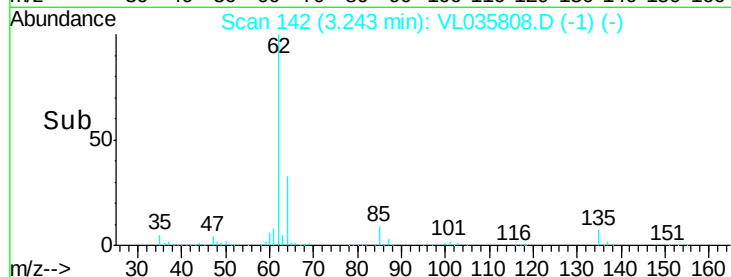
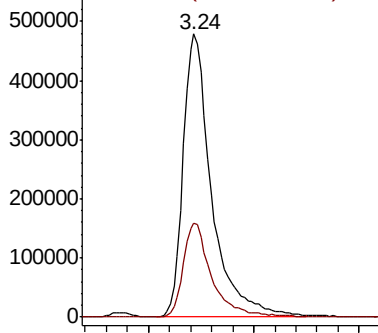
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.271 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.01 min

Lab File: VL035808.D

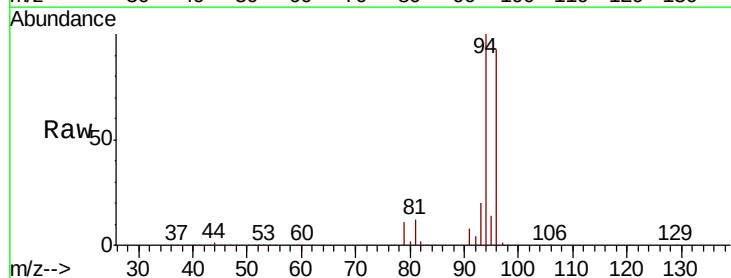
Acq: 3 Nov 2020 17:24

Tgt Ion: 94 Resp: 767341

Ion Ratio Lower Upper

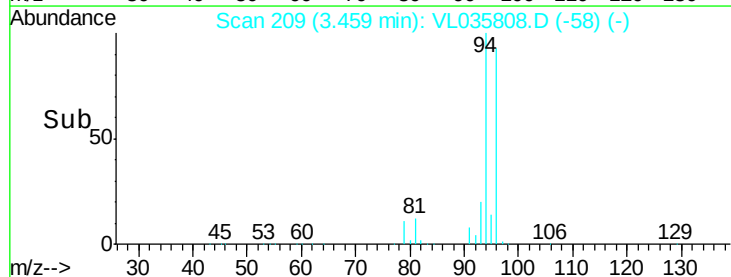
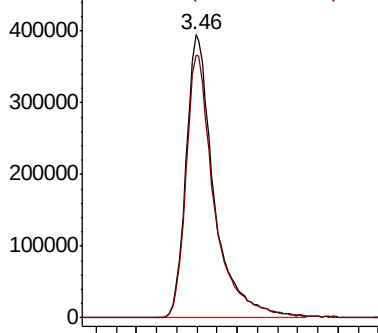
94 100

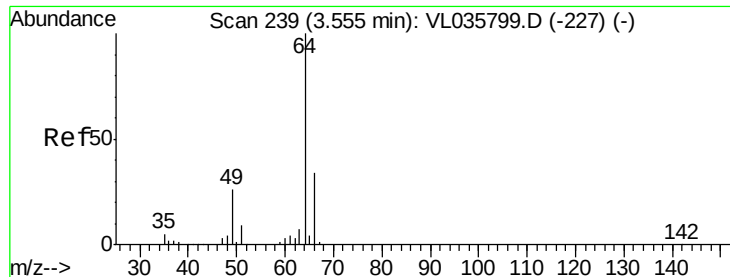
96 92.9 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.334 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

Instrument :

MSVOA_L

ClientSampleId :

VL1103ABS01

Tot Ion: 64 Resp: 337862

Ion Ratio Lower Upper

64 100

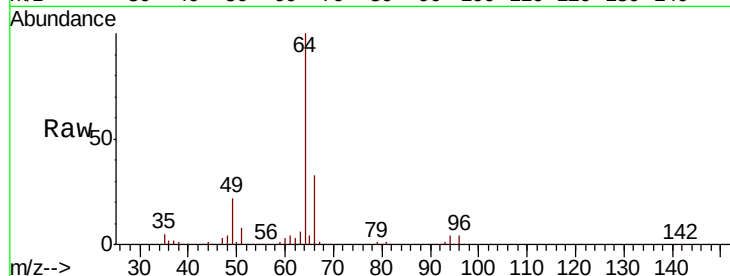
66 33.2 27.0 40.6

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

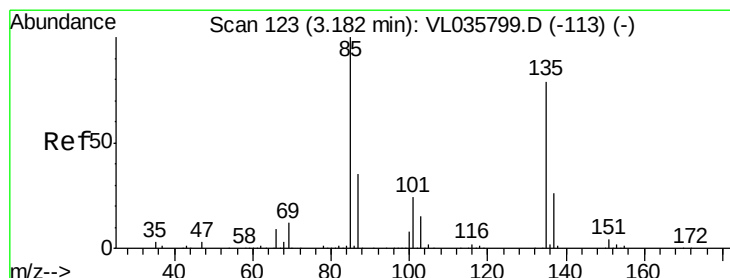
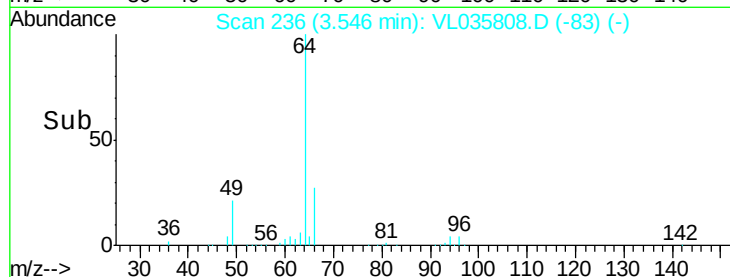
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.436 ppbv

RT: 3.17 min Scan# 120

Delta R.T. -0.01 min

Lab File: VL035808.D

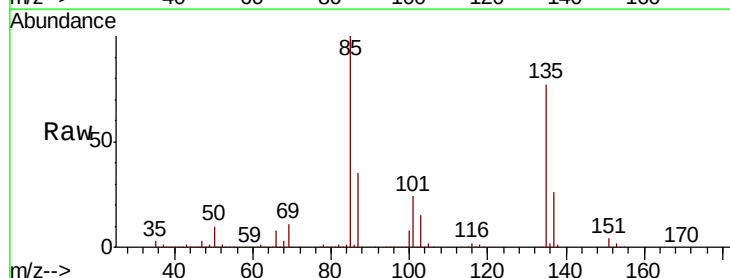
Acq: 3 Nov 2020 17:24

Tgt Ion: 85 Resp: 2546650

Ion Ratio Lower Upper

85 100

135 80.4 64.6 96.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.17

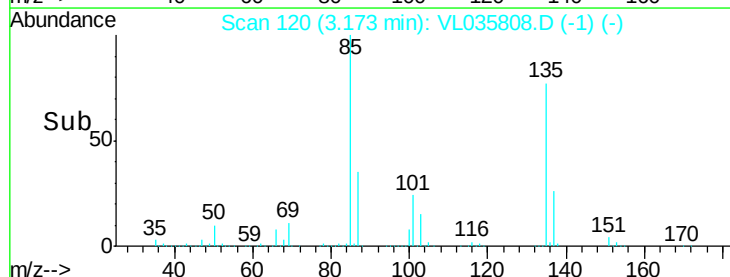
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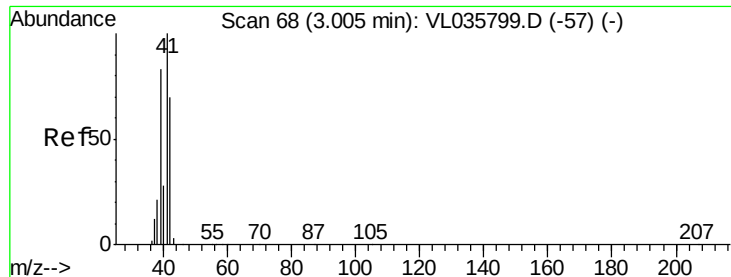
1000000

500000

0

Time-->





#9

Propene

Concen: 9.347 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

Instrument :

MSVOA_L

ClientSampleId :

VL1103ABS01

Tot Ion: 41 Resp: 513183

Ion Ratio Lower Upper

41 100

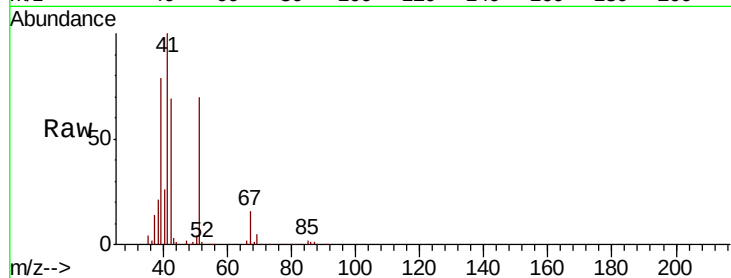
42 70.1 56.2 84.4

Manual Integrations

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11/5/2020 2:13:41 PM



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

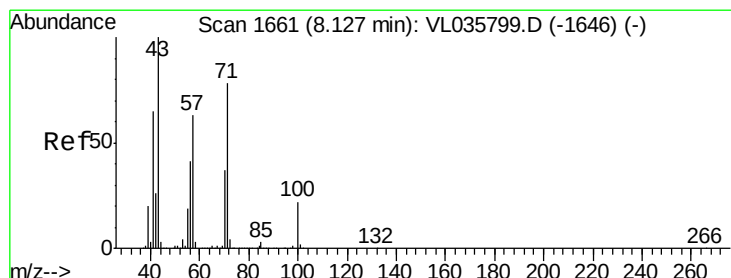
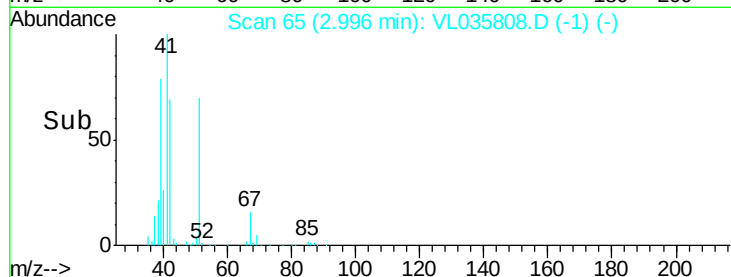
3.00

200000

100000

0

Time--> 2.90 2.95 3.00 3.05 3.10



#10

Heptane

Concen: 9.193 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.02 min

Lab File: VL035808.D

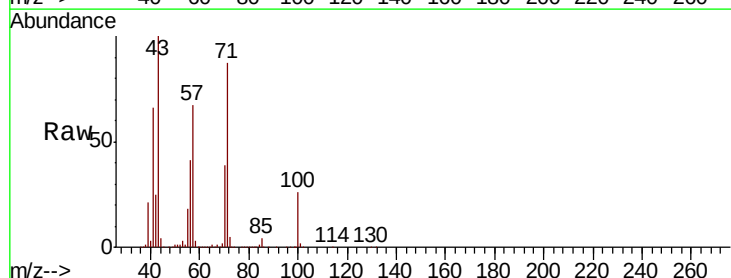
Acq: 3 Nov 2020 17:24

Tgt Ion: 43 Resp: 1394044

Ion Ratio Lower Upper

43 100

57 66.5 50.0 75.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.11

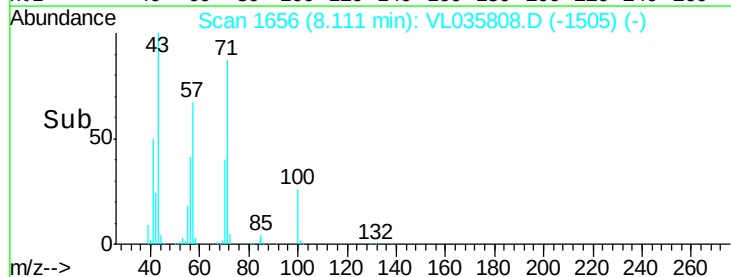
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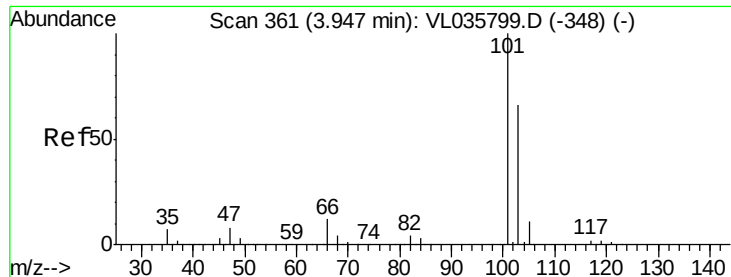
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200000

0

Time--> 8.00 8.10 8.20





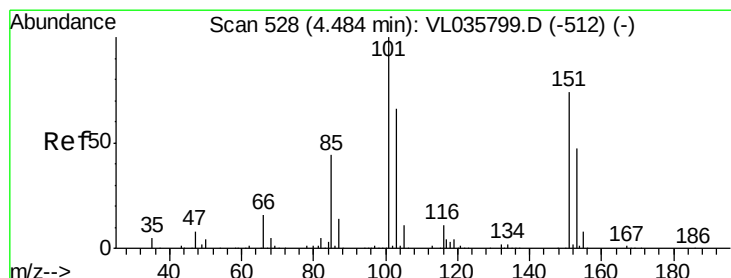
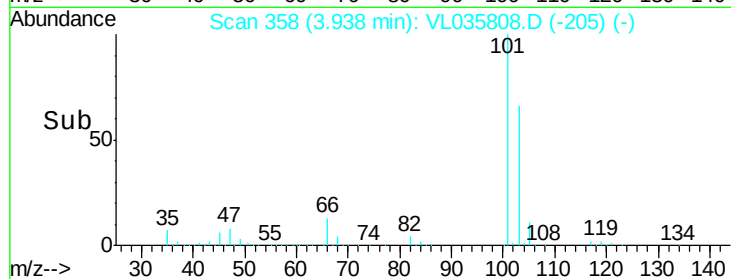
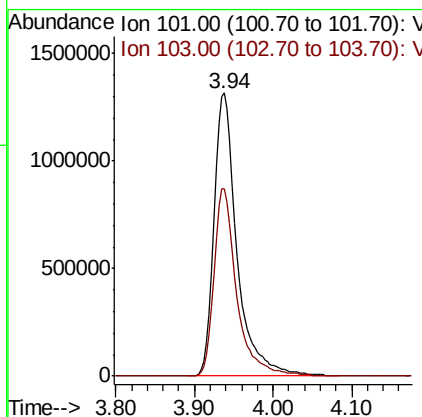
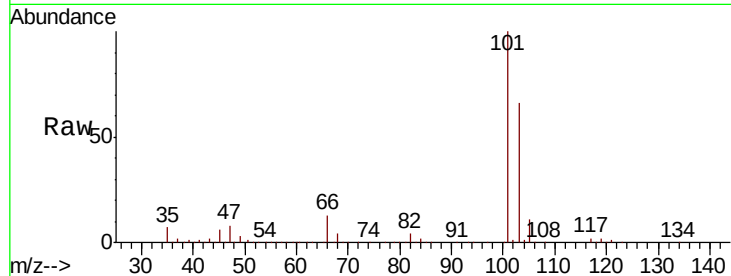
#11
 Trichlorofluoromethane
 Concen: 8.961 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.01 min
 Lab File: VL035808.D
 Acq: 3 Nov 2020 17:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1103ABS01

Tot Ion:101 Resp: 2653512
 Ion Ratio Lower Upper
 101 100
 103 66.3 53.0 79.4

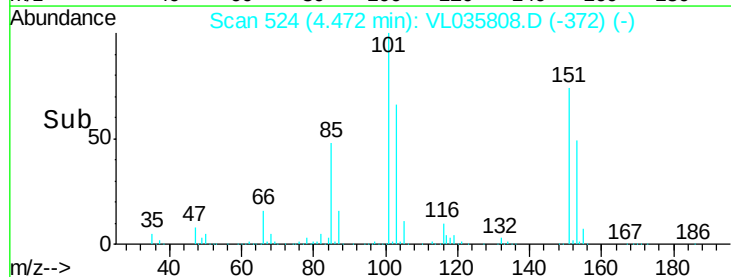
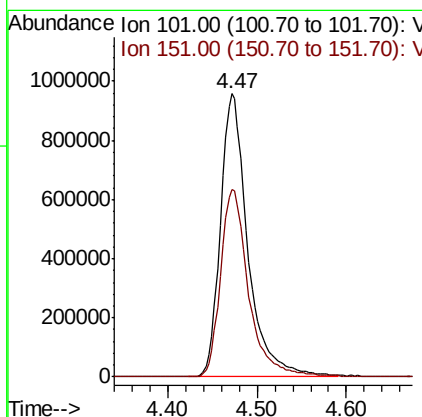
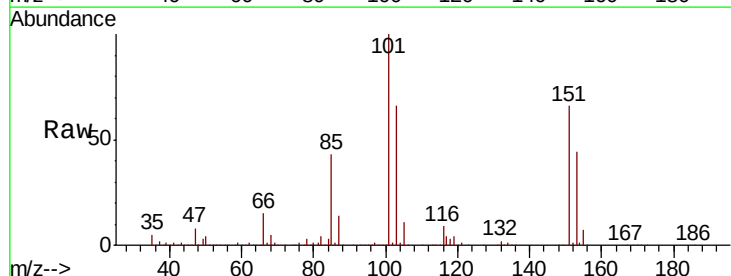
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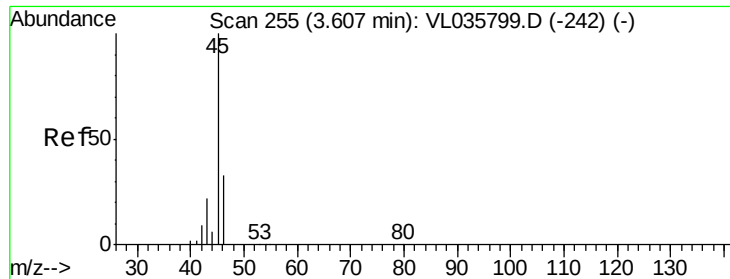
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.249 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. -0.01 min
 Lab File: VL035808.D
 Acq: 3 Nov 2020 17:24

Tgt Ion:101 Resp: 2039224
 Ion Ratio Lower Upper
 101 100
 151 68.3 58.9 88.3





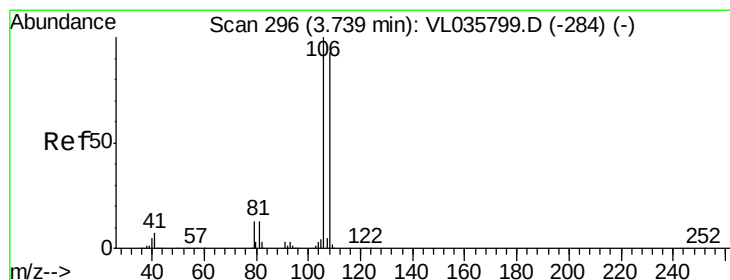
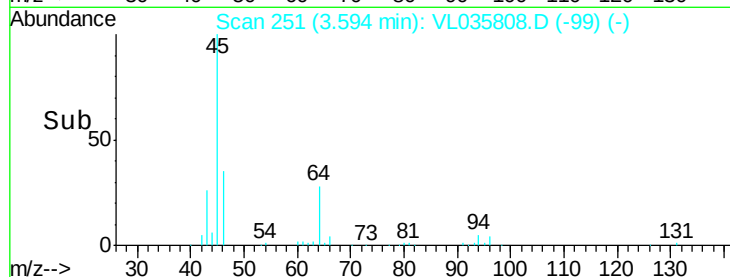
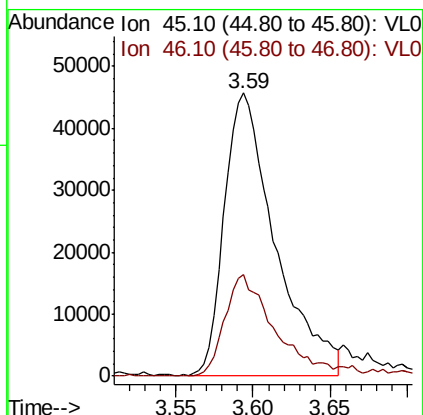
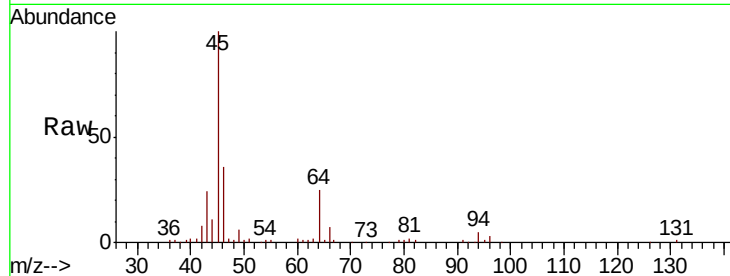
#13
Ethanol
Concen: 8.729 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL035808.D
Acq: 3 Nov 2020 17:24

Instrument :
MSVOA_L
ClientSampleId :
VL1103ABS01

Tot Ion: 45 Resp: 103967
Ion Ratio Lower Upper
45 100
46 38.7 16.1 64.5

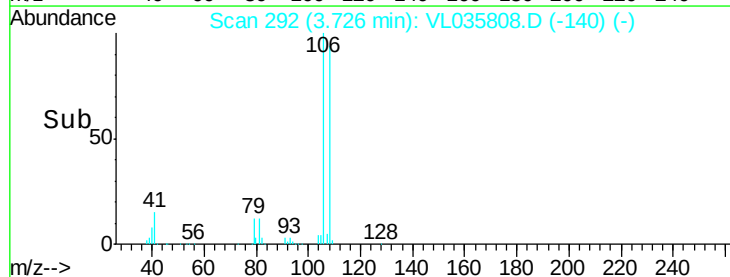
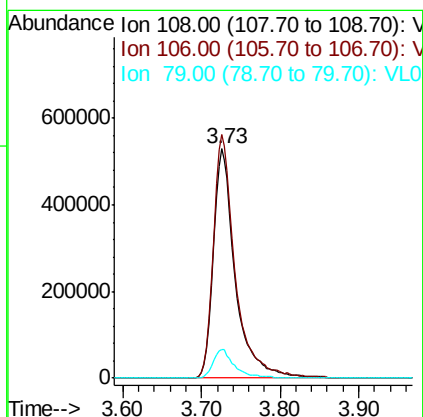
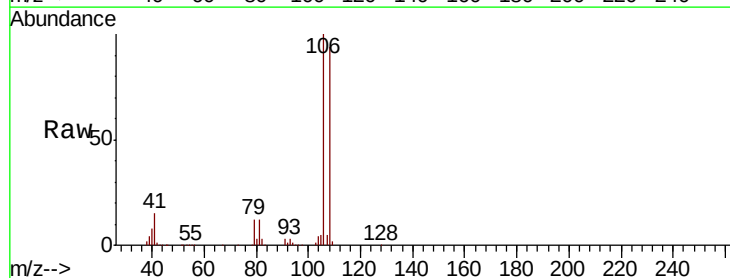
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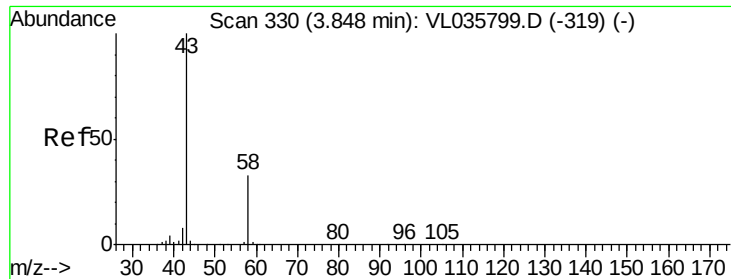
MMDadoda
11/5/2020 2:13:41 PM



#14
Bromoethene
Concen: 9.998 ppbv
RT: 3.73 min Scan# 292
Delta R.T. -0.01 min
Lab File: VL035808.D
Acq: 3 Nov 2020 17:24

Tgt Ion: 108 Resp: 1014489
Ion Ratio Lower Upper
108 100
106 105.9 85.3 127.9
79 12.6 11.6 17.4





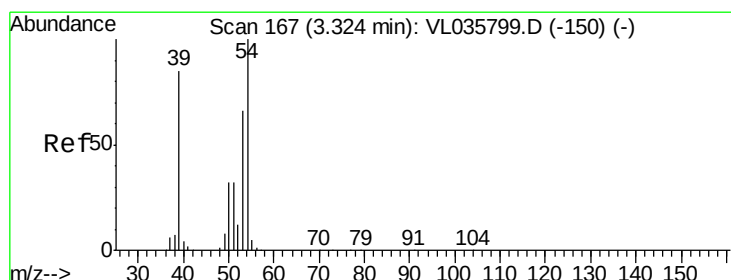
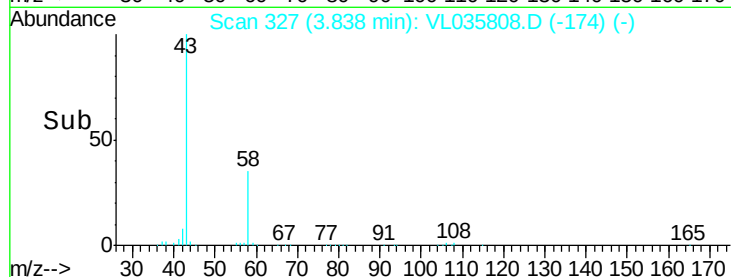
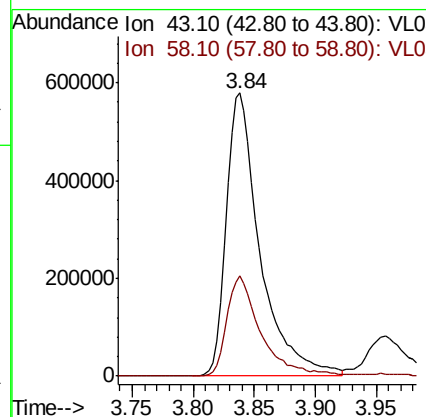
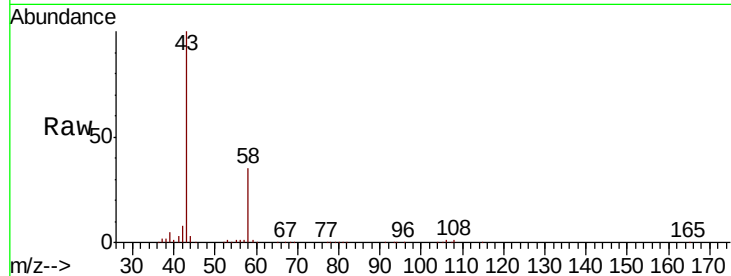
#15
Acetone
Concen: 8.388 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL035808.D
Acq: 3 Nov 2020 17:24

Instrument :
MSVOA_L
ClientSampleId :
VL1103ABS01

Tot Ion: 43 Resp: 1123254
Ion Ratio Lower Upper
43 100
58 35.7 27.5 41.3

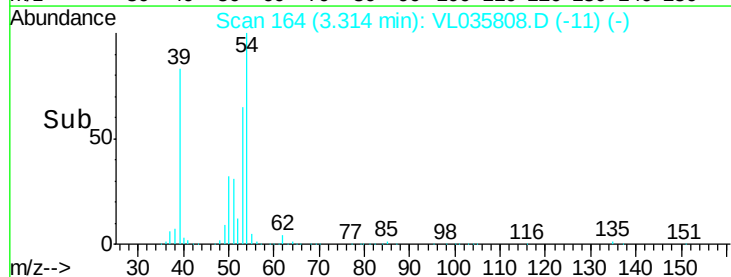
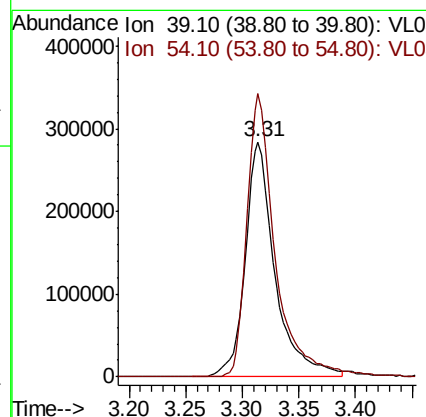
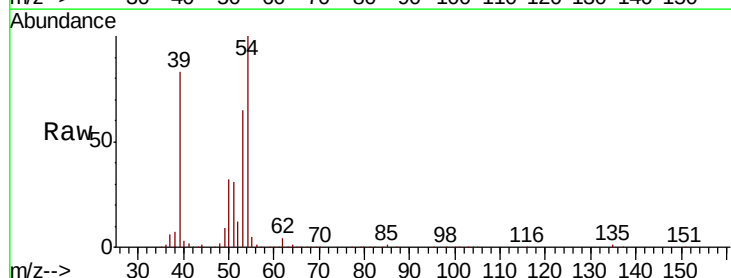
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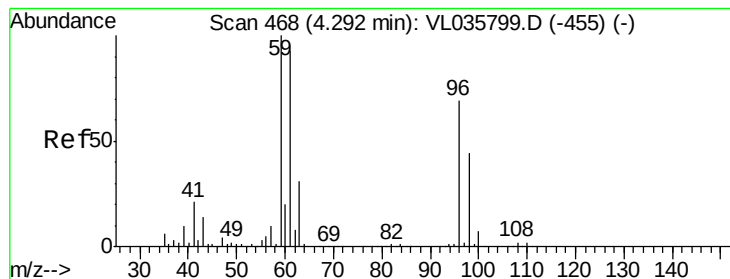
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#16
1,3-Butadiene
Concen: 9.018 ppbv
RT: 3.31 min Scan# 164
Delta R.T. -0.01 min
Lab File: VL035808.D
Acq: 3 Nov 2020 17:24

Tgt Ion: 39 Resp: 519922
Ion Ratio Lower Upper
39 100
54 116.8 87.1 130.7





#17

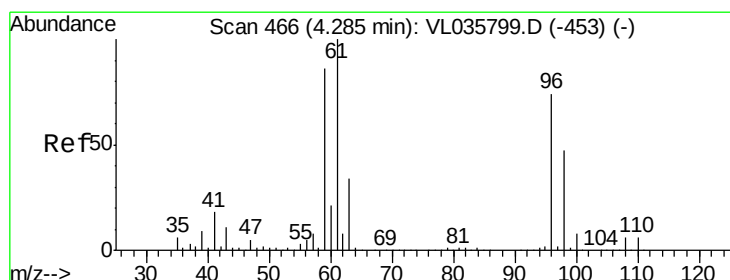
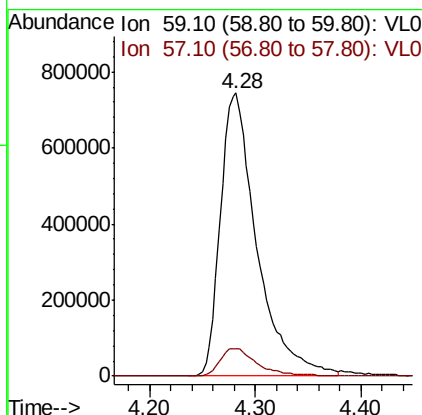
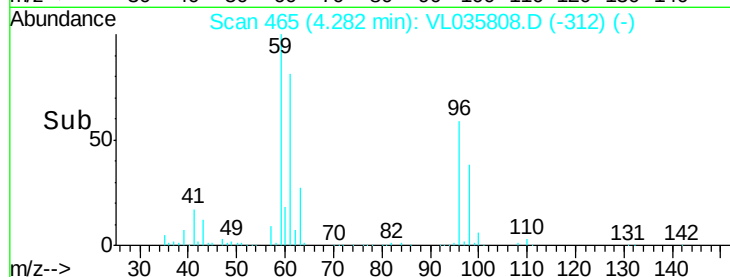
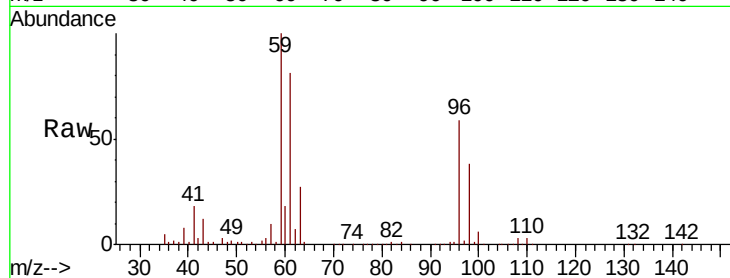
tert-Butyl alcohol
Concen: 10.058 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.01 min
Lab File: VL035808.D
Acq: 3 Nov 2020 17:24

Instrument :
MSVOA_L
ClientSampleId :
VL1103ABS01

Tot Ion: 59 Resp: 1785073
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.4

Manual Integrations
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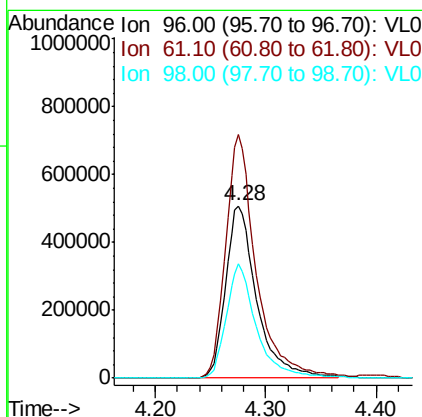
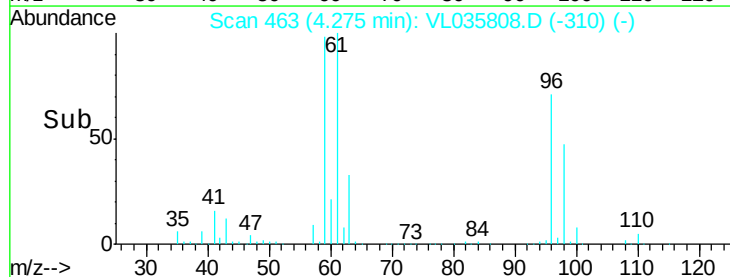
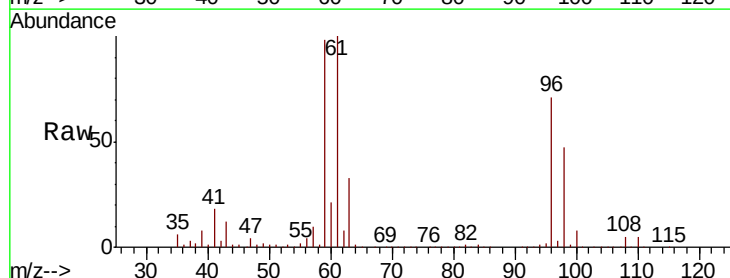
MMDadoda
11/5/2020 2:13:41 PM

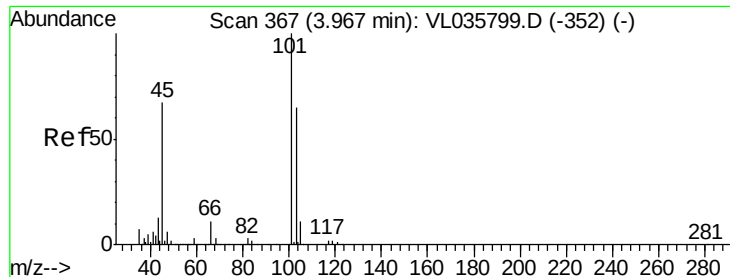


#18

1,1-Dichloroethene
Concen: 9.833 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.01 min
Lab File: VL035808.D
Acq: 3 Nov 2020 17:24

Tgt Ion: 96 Resp: 995412
Ion Ratio Lower Upper
96 100
61 141.4 108.5 162.7
98 66.1 50.7 76.1





#19

Isopropyl Alcohol

Concen: 9.620 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.01 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

Instrument :

MSVOA_L

ClientSampleId :

VL1103ABS01

Tot Ion: 45 Resp: 791645

Ion Ratio Lower Upper

45 100

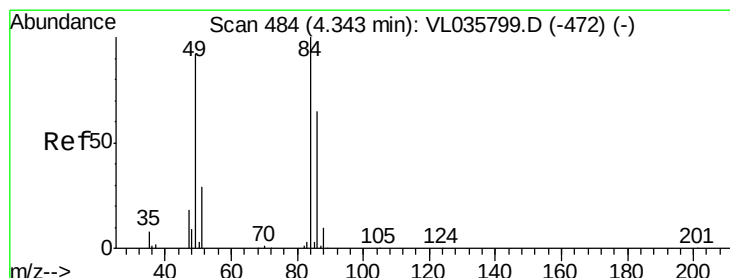
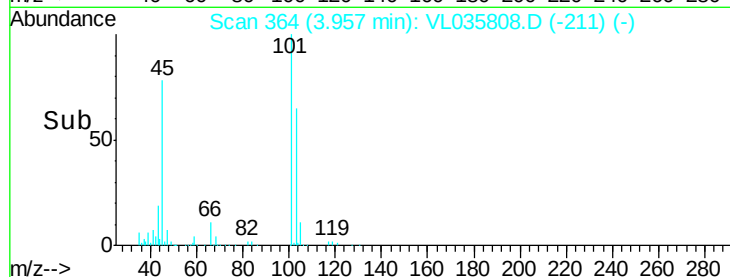
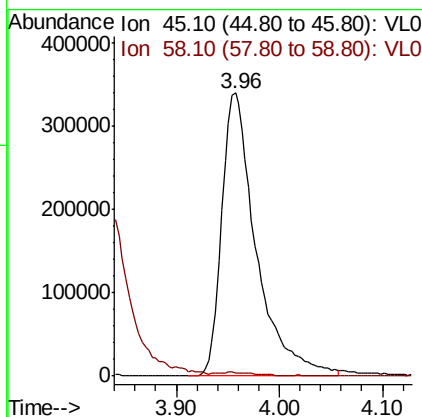
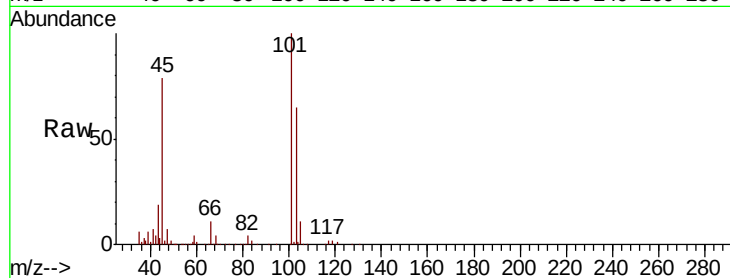
58 1.8 2.6 3.8#

Manual Integrations

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#20

Methylene Chloride

Concen: 8.418 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.01 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

Tgt Ion: 84 Resp: 793611

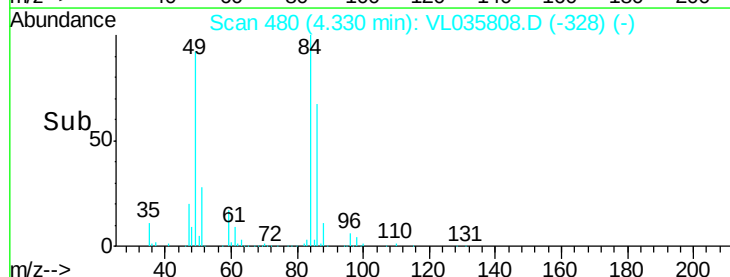
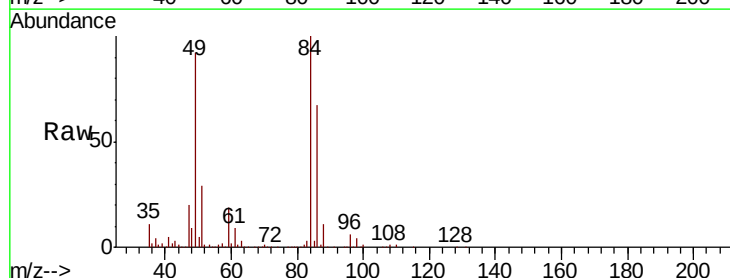
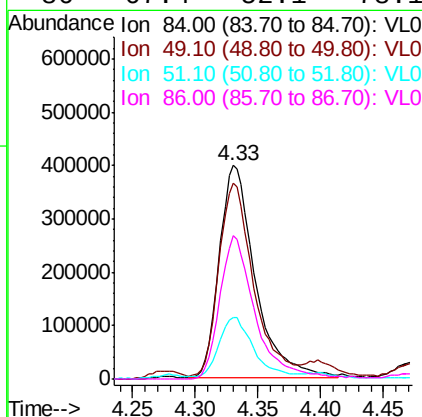
Ion Ratio Lower Upper

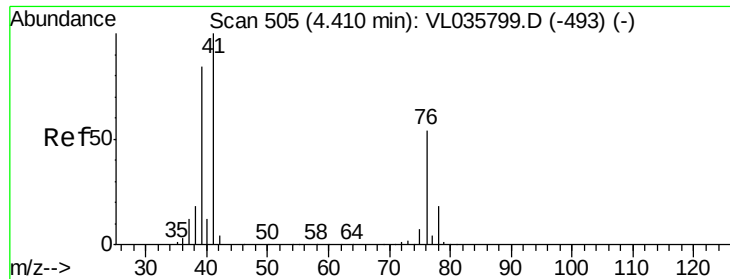
84 100

49 90.7 73.8 110.8

51 27.5 23.0 34.4

86 67.4 52.1 78.1





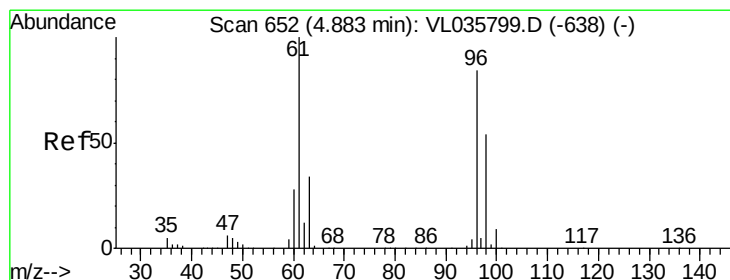
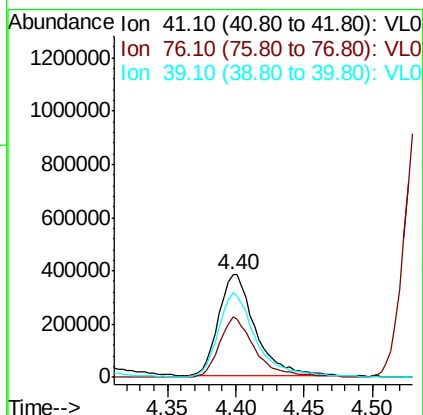
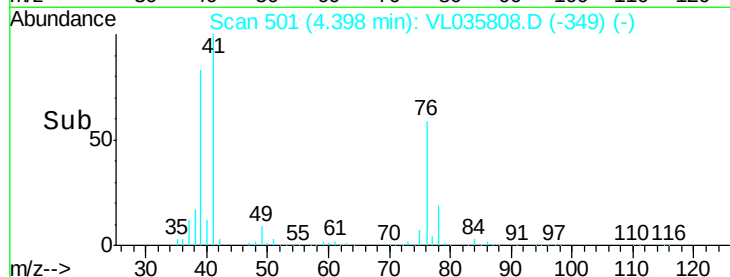
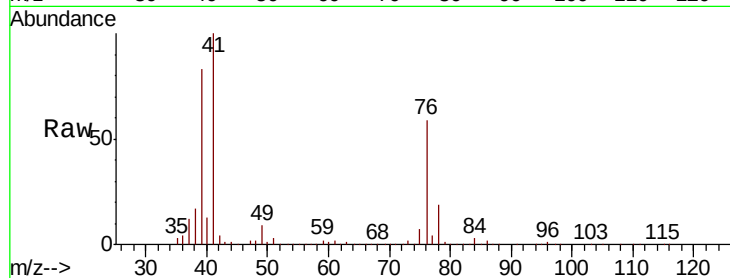
#21
Allvl Chloride
Concen: 9.973 ppbv
RT: 4.40 min Scan# 501
Delta R.T. -0.01 min
Lab File: VL035808.D
Acq: 3 Nov 2020 17:24

Instrument :
MSVOA_L
ClientSampleId :
VL1103ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	58.1	42.6	63.8
39	83.8	67.0	100.4

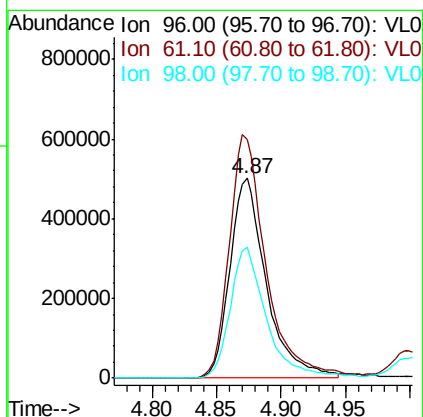
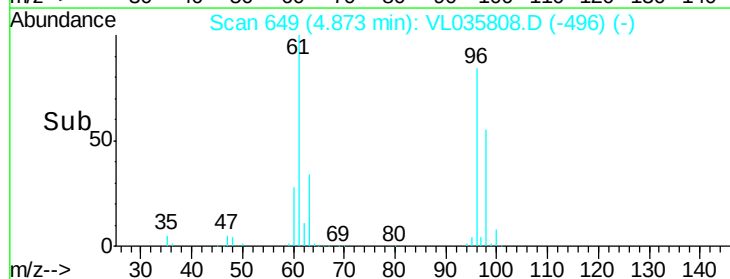
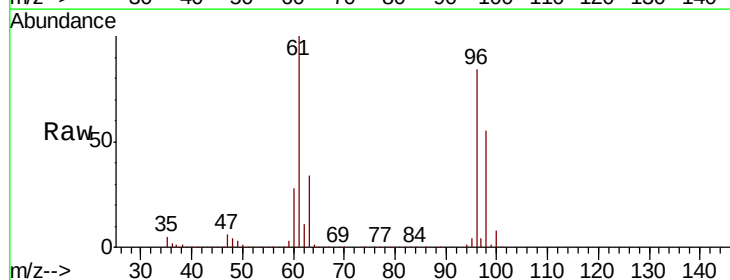
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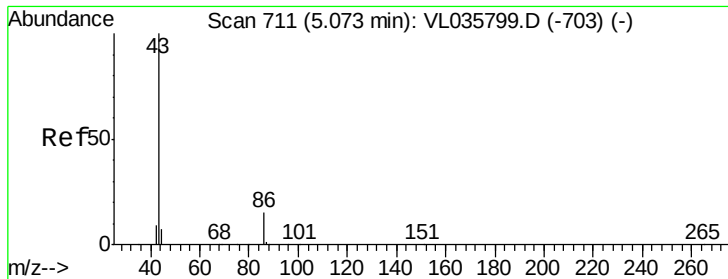
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#22
trans-1,2-Dichloroethene
Concen: 9.602 ppbv
RT: 4.87 min Scan# 649
Delta R.T. -0.01 min
Lab File: VL035808.D
Acq: 3 Nov 2020 17:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	119.5	95.4	143.0
98	65.7	51.8	77.6





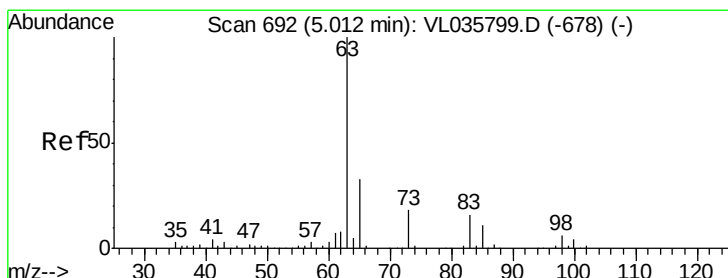
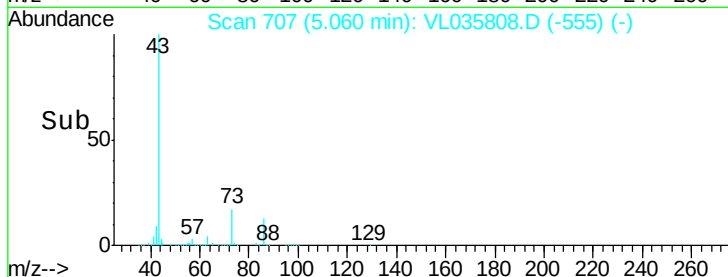
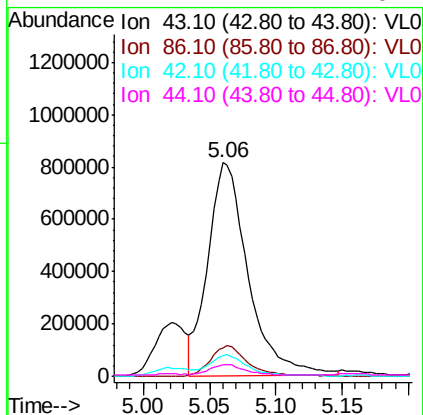
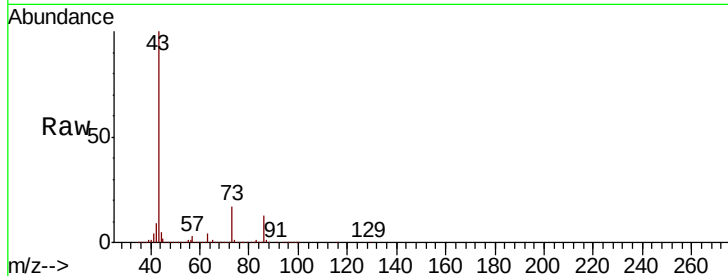
#23
 Vinyl Acetate
 Concen: 9.203 ppbv
 RT: 5.06 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VL035808.D
 Acq: 3 Nov 2020 17:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1103ABS01

Tot Ion	43	Resp	1727518
Ion	Ratio	Lower	Upper
43	100		
86	13.4	9.8	14.6
42	9.5	8.1	12.1
44	4.7	4.2	6.4

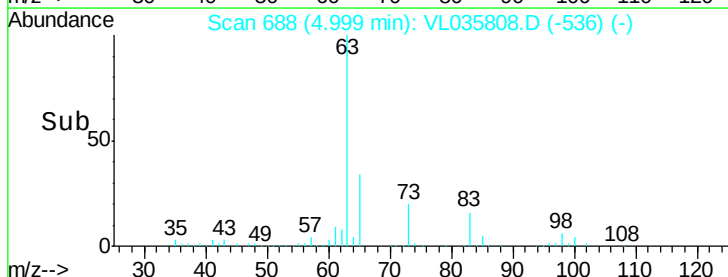
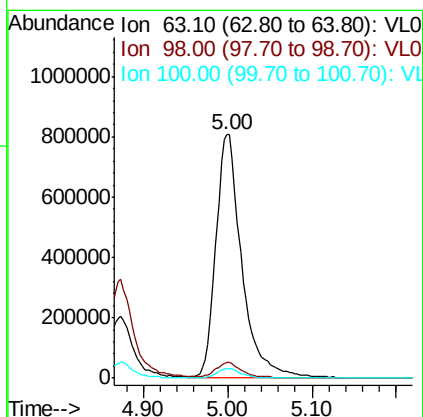
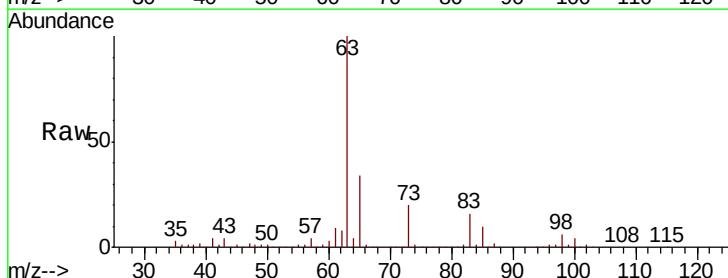
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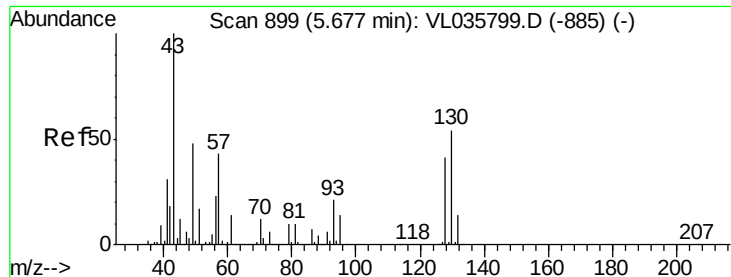
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#24
 1,1-Dichloroethane
 Concen: 9.597 ppbv
 RT: 5.00 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: VL035808.D
 Acq: 3 Nov 2020 17:24

Tgt Ion	63	Resp	1716320
Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.0	9.2
100	3.9	1.8	5.4





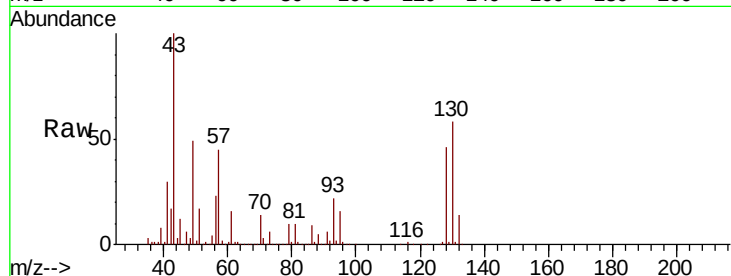
#25
Ethyl Acetate
Concen: 9.102 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL035808.D
Acq: 3 Nov 2020 17:24

Instrument :
MSVOA_L
ClientSampleId :
VL1103ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.9	8.5	12.7
61	14.5	10.7	16.1
70	12.0	8.6	12.8

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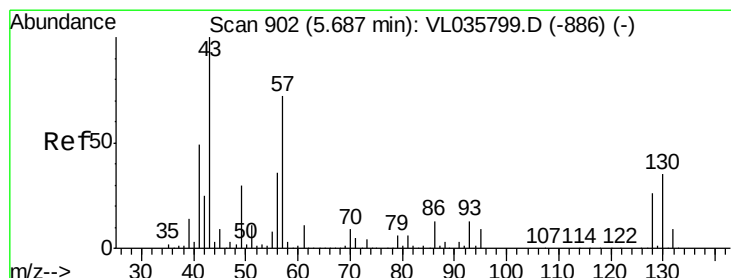
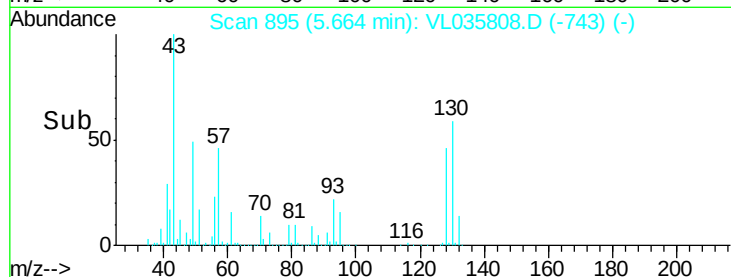
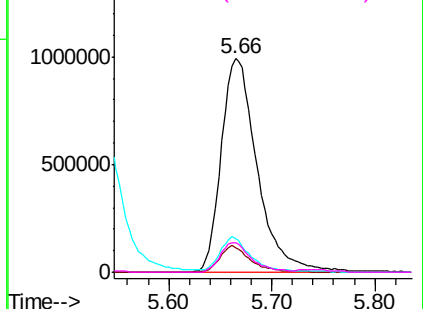
Abundance

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: 9.291 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL035808.D
Acq: 3 Nov 2020 17:24

Tgt Ion	Ratio	Lower	Upper
57	100		
41	69.4	58.9	88.3
43	179.4	150.2	225.2
56	52.3	42.4	63.6

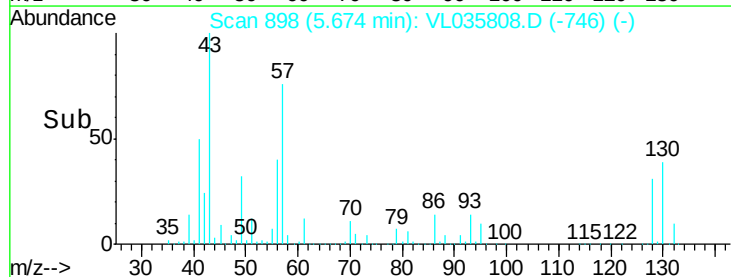
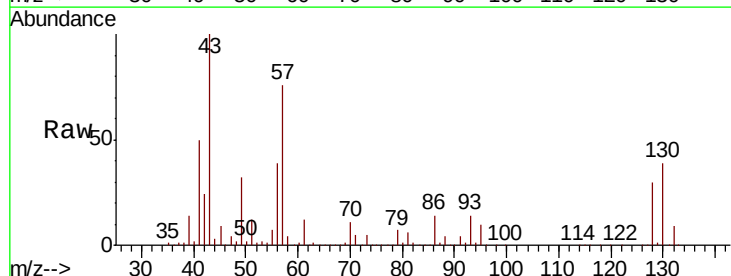
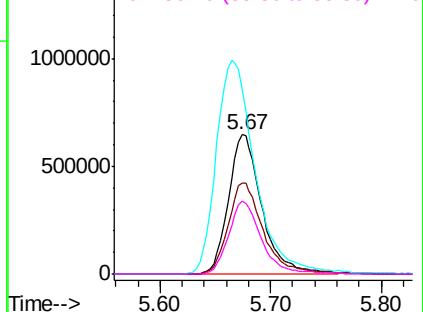
Abundance

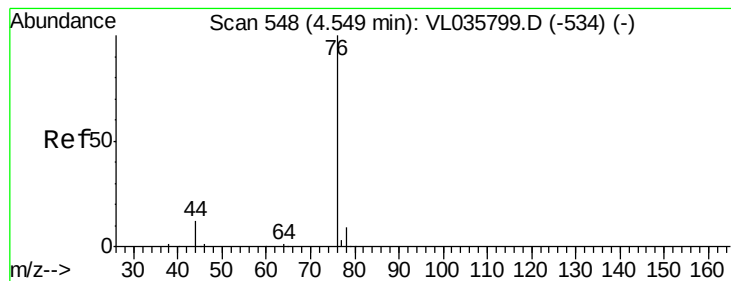
Ion 57.10 (56.80 to 57.80): VL0

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: 10.306 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.01 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

Instrument :

MSVOA_L

ClientSampleId :

VL1103ABS01

Tot Ion: 76 Resp: 2246642

Ion Ratio Lower Upper

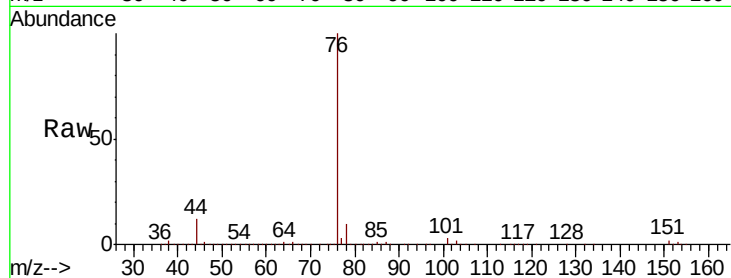
76 100

44 11.1 9.9 14.9

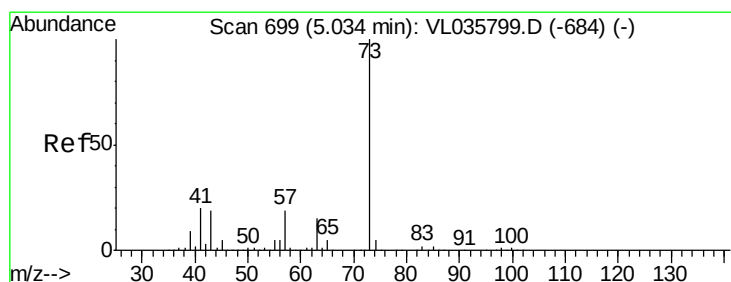
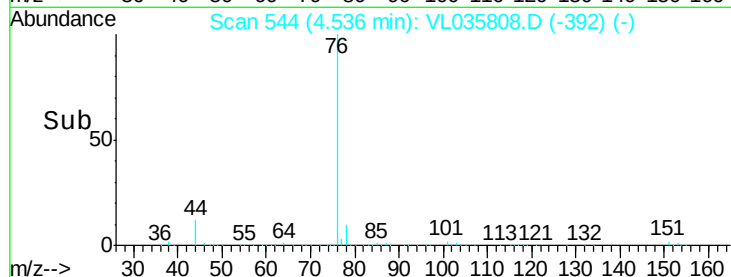
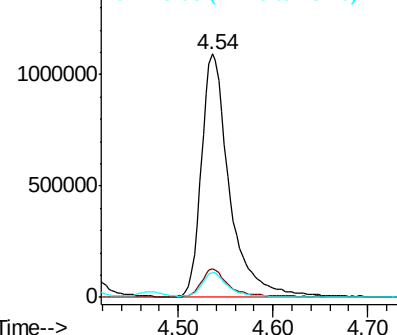
78 10.1 8.1 12.1

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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.936 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.01 min

Lab File: VL035808.D

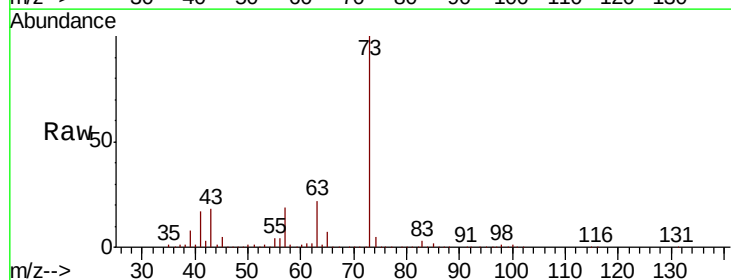
Acq: 3 Nov 2020 17:24

Tgt Ion: 73 Resp: 2595908

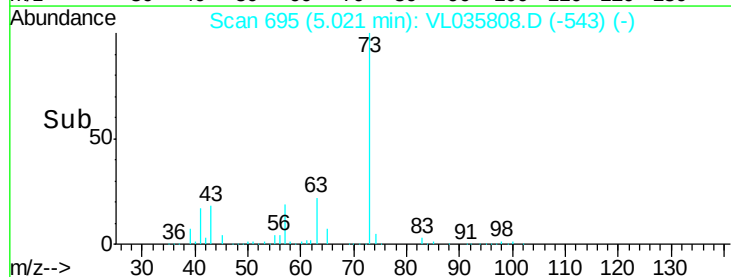
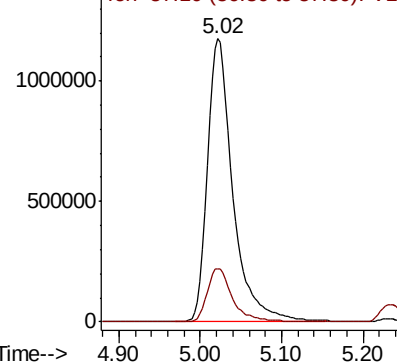
Ion Ratio Lower Upper

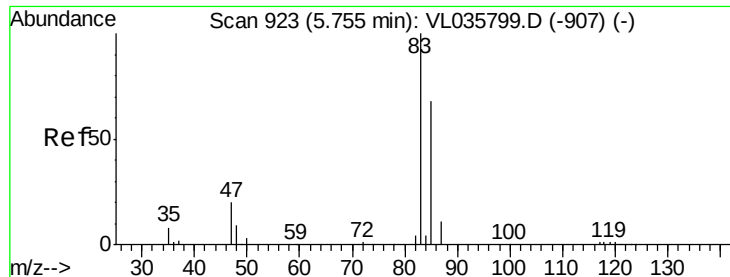
73 100

57 18.8 15.4 23.2



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





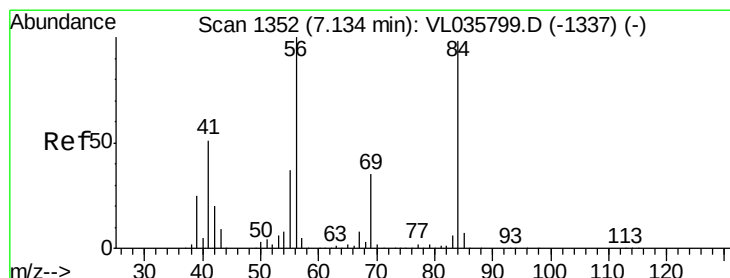
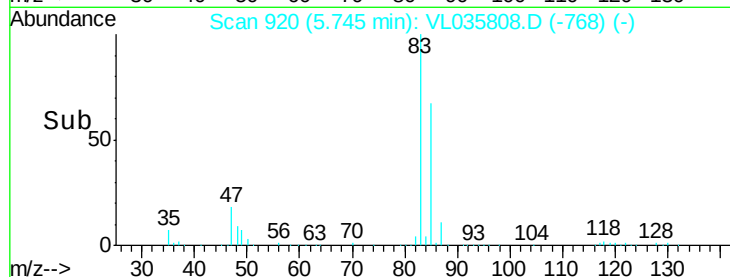
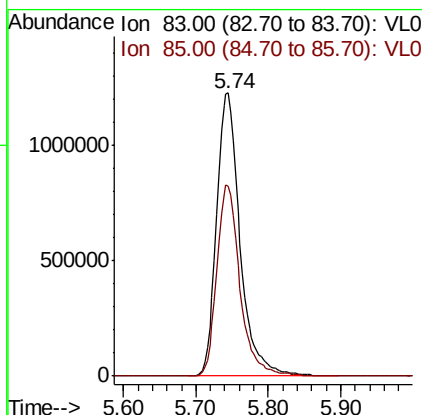
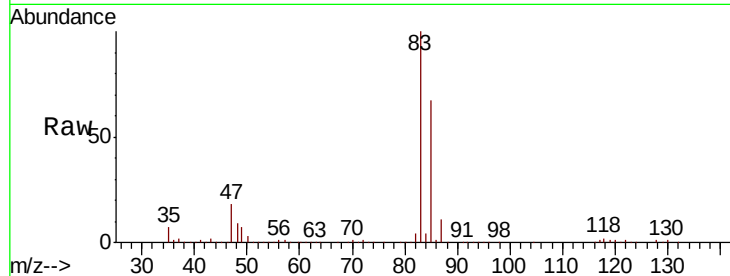
#29
Chloroform
Concen: 9.629 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.01 min
Lab File: VL035808.D
Acq: 3 Nov 2020 17:24

Instrument :
MSVOA_L
ClientSampleId :
VL1103ABS01

Tot Ion: 83 Resp: 2753578
Ion Ratio Lower Upper
83 100
85 67.0 54.6 81.8

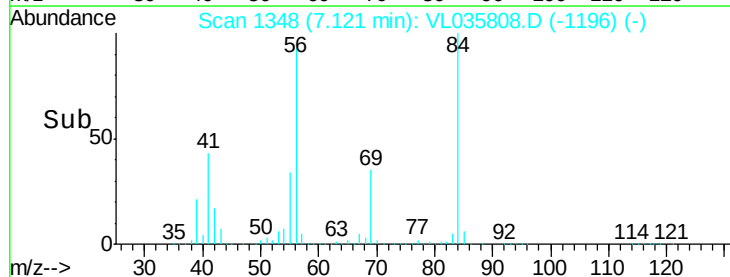
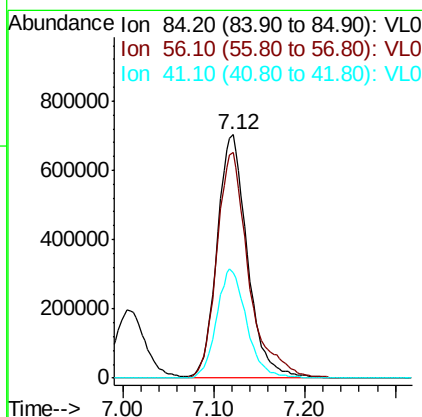
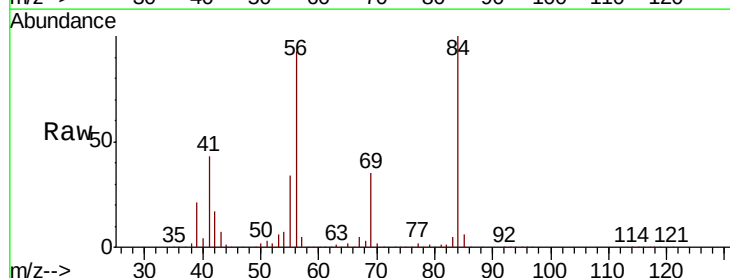
Manual Integrations
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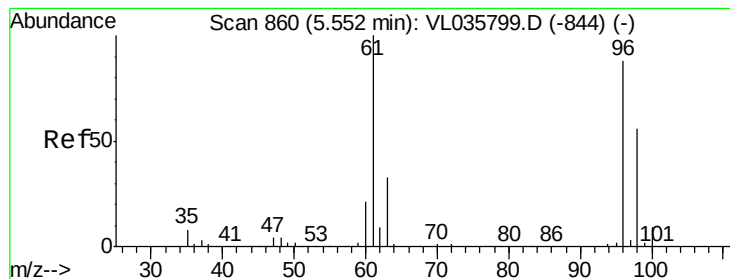
MMDadoda
11/5/2020 2:13:41 PM



#30
Cyclohexane
Concen: 10.194 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VL035808.D
Acq: 3 Nov 2020 17:24

Tgt Ion: 84 Resp: 1615318
Ion Ratio Lower Upper
84 100
56 98.4 86.4 129.6
41 44.6 42.1 63.1





#31

cis-1,2-Dichloroethene

Concen: 9.855 ppbv

RT: 5.54 min Scan# 856

Delta R.T. -0.01 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

Instrument :

MSVOA_L

ClientSampleId :

VL1103ABS01

Tot Ion: 61 Resp: 1475072

Ion Ratio Lower Upper

61 100

96 95.1 70.3 105.5

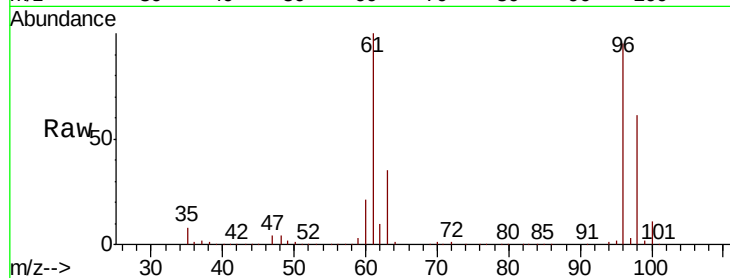
98 60.9 45.0 67.6

Manual Integrations

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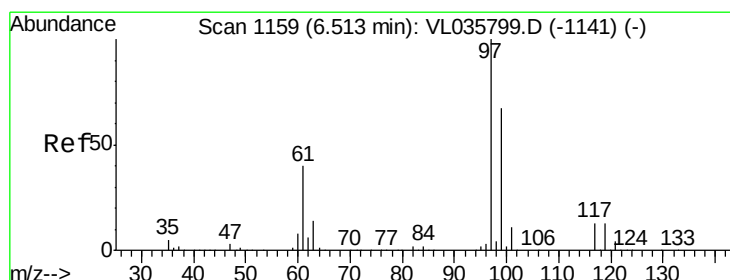
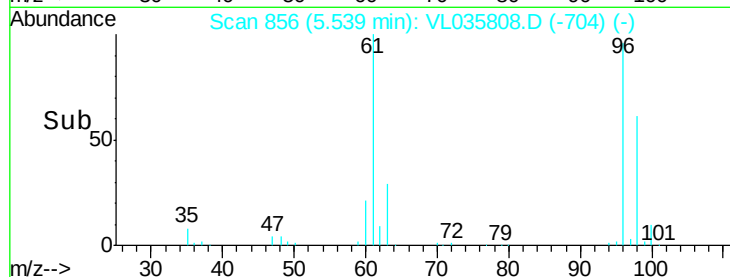
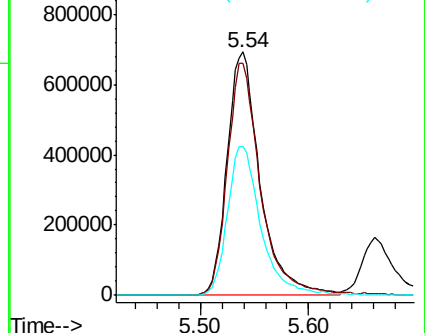
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Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 9.294 ppbv

RT: 6.50 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

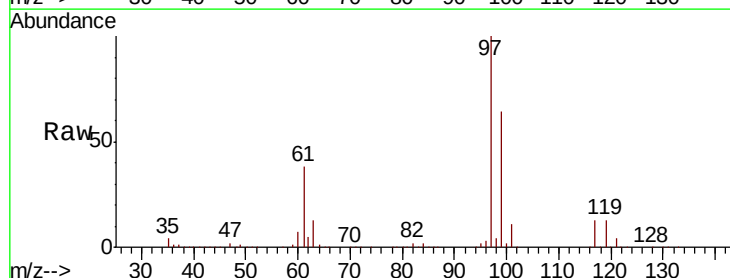
Tgt Ion: 97 Resp: 2773413

Ion Ratio Lower Upper

97 100

99 65.6 52.3 78.5

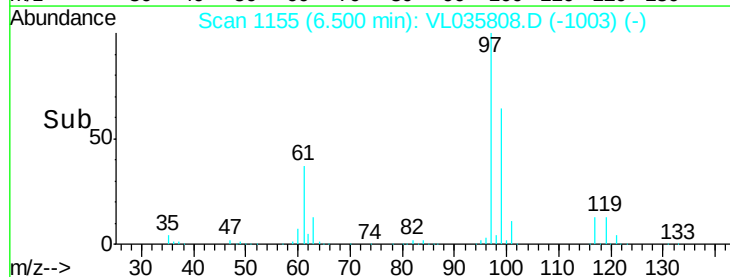
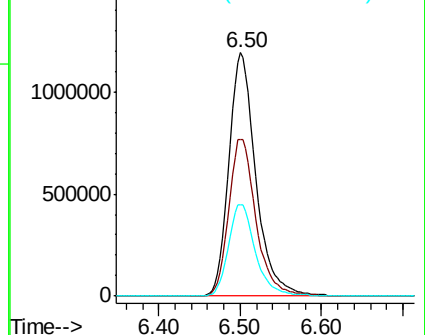
61 38.0 32.0 48.0

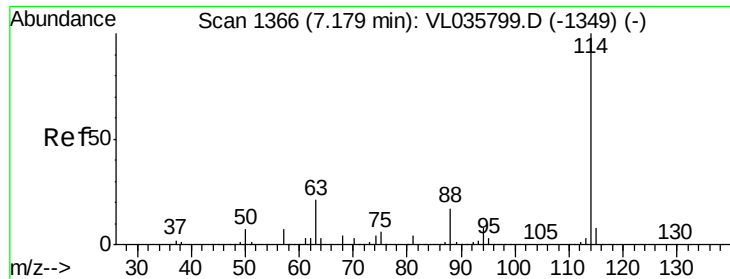


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0





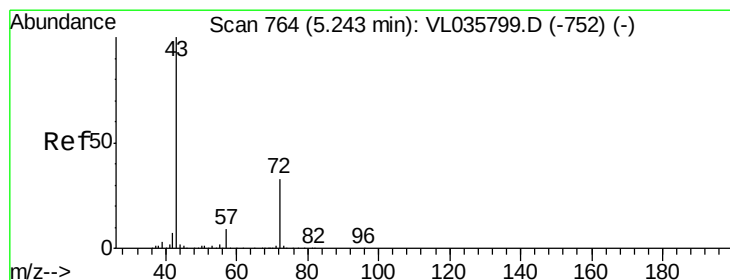
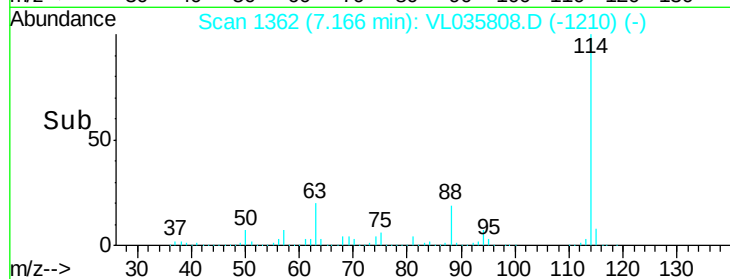
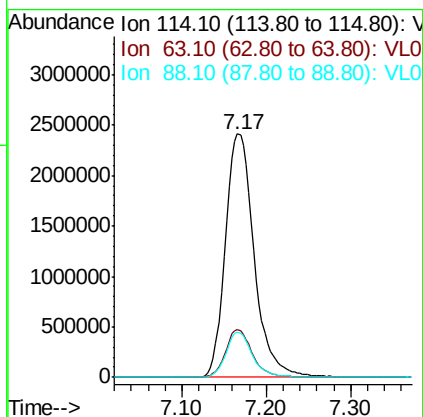
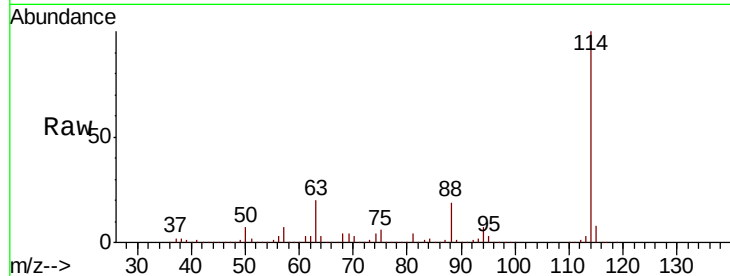
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VL035808.D
 Acq: 3 Nov 2020 17:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1103ABS01

Tot Ion:114 Resp: 5730306
 Ion Ratio Lower Upper
 114 100
 63 18.5 16.1 24.1
 88 17.1 13.7 20.5

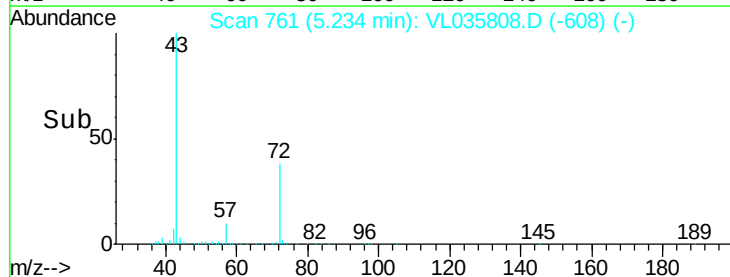
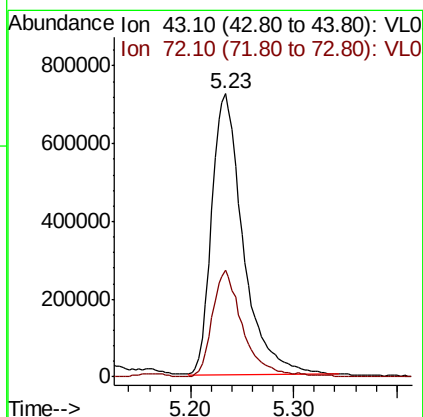
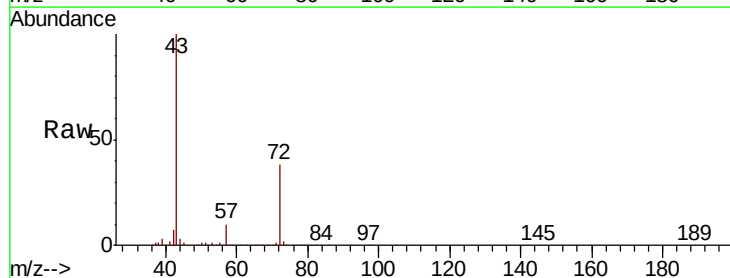
Manual Integrations
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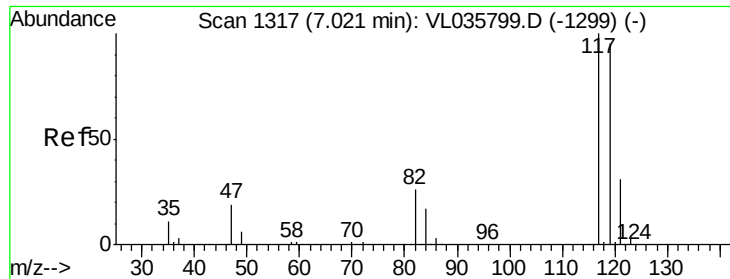
MMDadoda
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#34
 2-Butanone
 Concen: 8.244 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VL035808.D
 Acq: 3 Nov 2020 17:24

Tgt Ion: 43 Resp: 1533220
 Ion Ratio Lower Upper
 43 100
 72 37.4 26.5 39.7





#35

Carbon Tetrachloride

Concen: 8.954 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. -0.01 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

Instrument :

MSVOA_L

ClientSampleId :

VL1103ABS01

Tot Ion: 117 Resp: 2741313

Ion Ratio Lower Upper

117 100

119 97.7 75.6 113.4

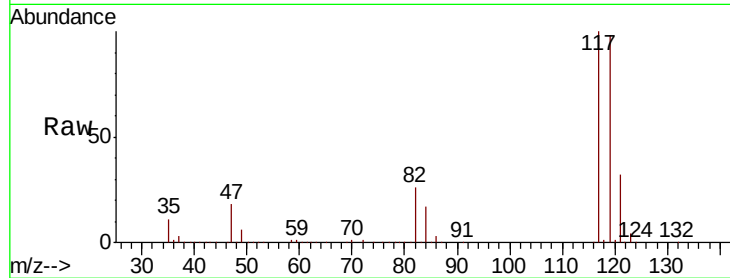
121 31.9 25.1 37.7

Manual Integrations

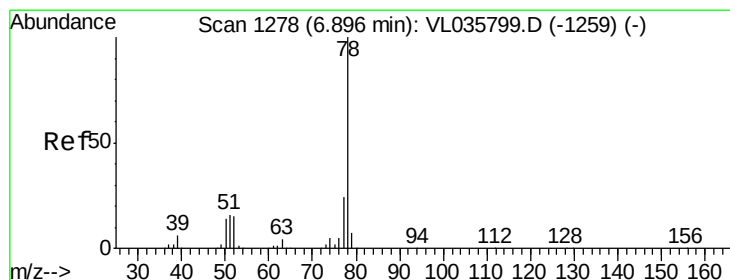
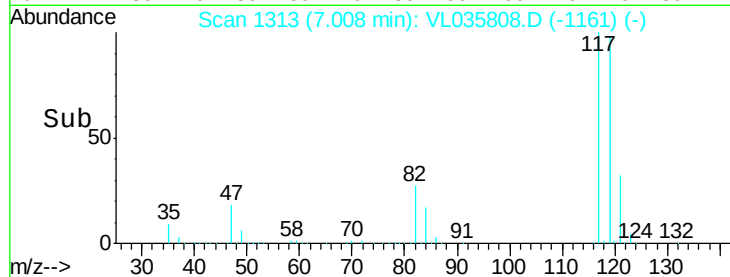
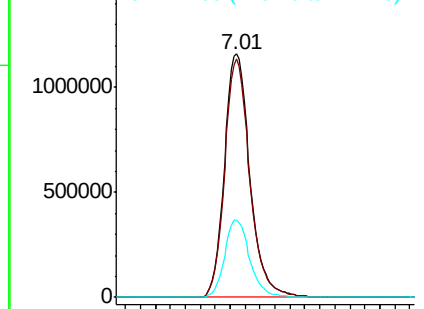
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.823 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

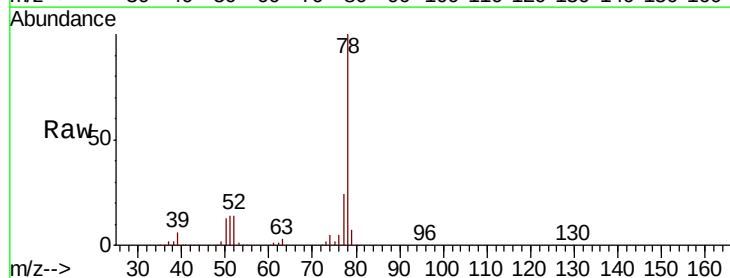
Tgt Ion: 78 Resp: 3758745

Ion Ratio Lower Upper

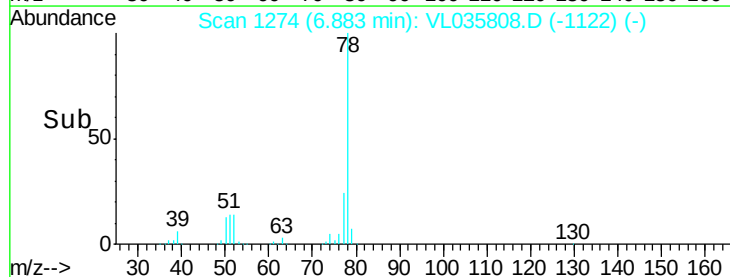
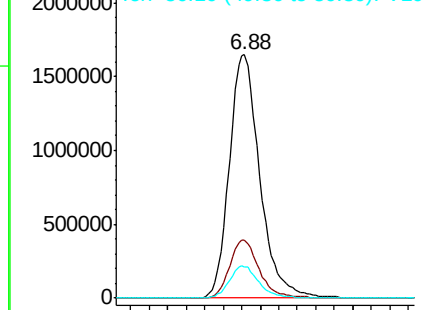
78 100

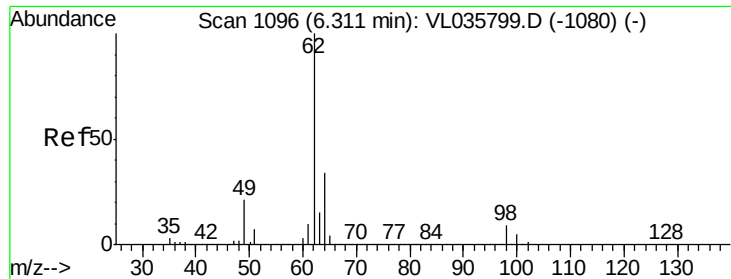
77 23.8 19.3 28.9

50 13.0 11.4 17.2



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





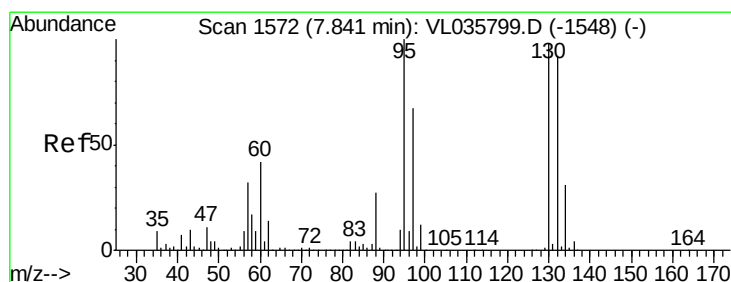
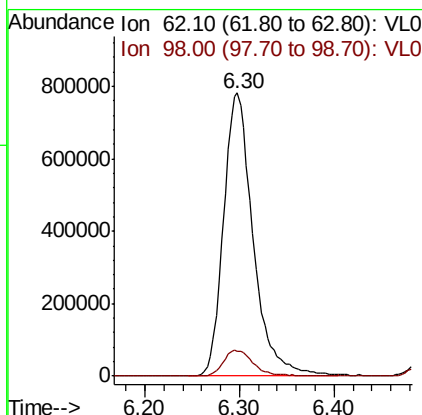
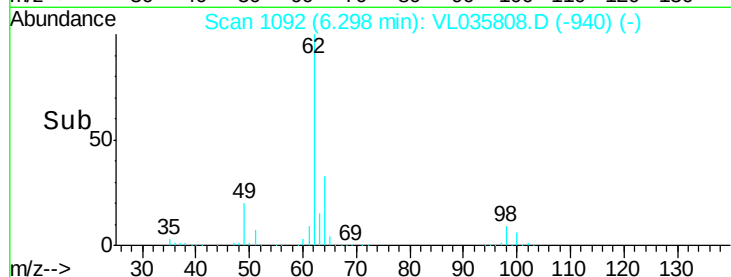
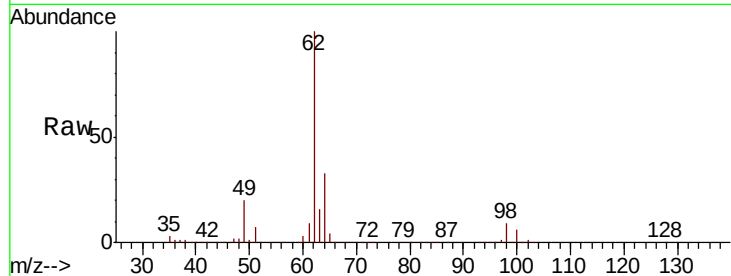
#37
 1,2-Dichloroethane
 Concen: 8.812 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. -0.01 min
 Lab File: VL035808.D
 Acq: 3 Nov 2020 17:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1103ABS01

Tot Ion: 62 Resp: 1700699
 Ion Ratio Lower Upper
 62 100
 98 9.6 6.9 10.3

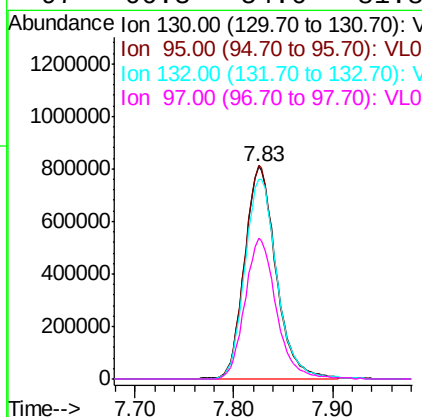
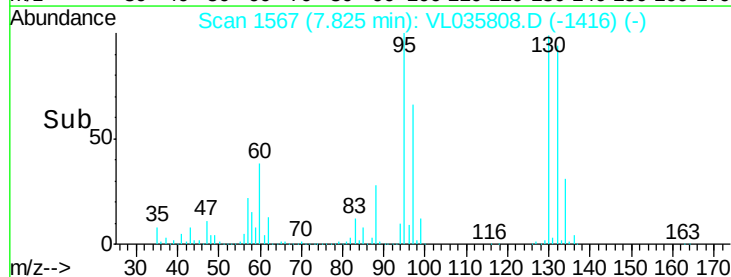
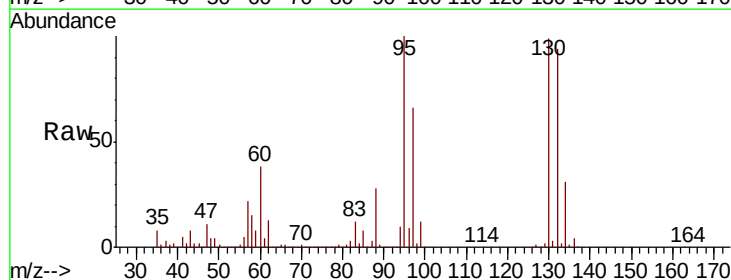
Manual Integrations
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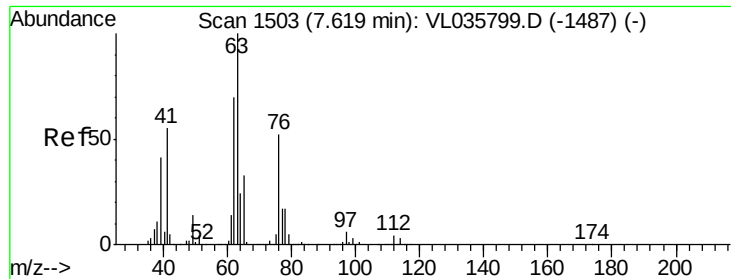
MMDadoda
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#38
 Trichloroethene
 Concen: 8.562 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: VL035808.D
 Acq: 3 Nov 2020 17:24

Tgt Ion: 130 Resp: 1781575
 Ion Ratio Lower Upper
 130 100
 95 100.8 81.6 122.4
 132 94.3 75.1 112.7
 97 66.3 54.6 81.8





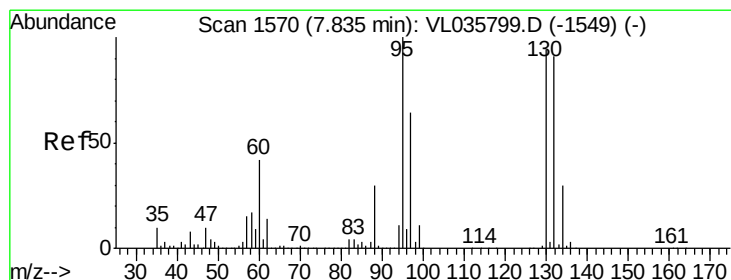
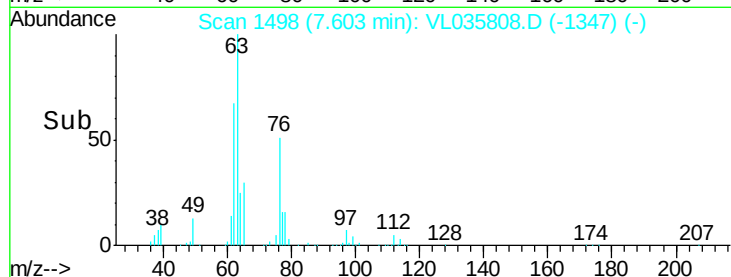
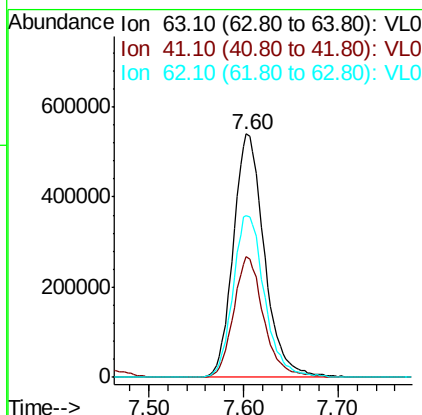
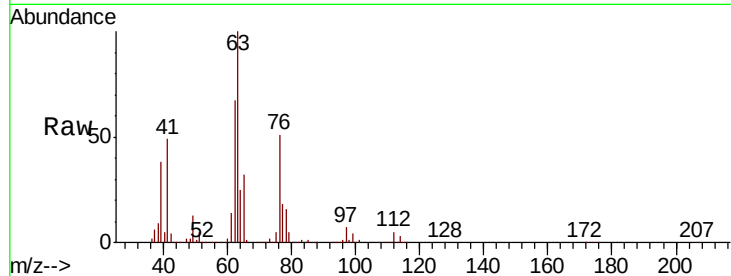
#39
 1,2-Dichloropropane
 Concen: 8.582 ppbv
 RT: 7.60 min Scan# 1498
 Delta R.T. -0.02 min
 Lab File: VL035808.D
 Acq: 3 Nov 2020 17:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1103ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	49.2	43.8	65.6
62	66.6	56.2	84.2

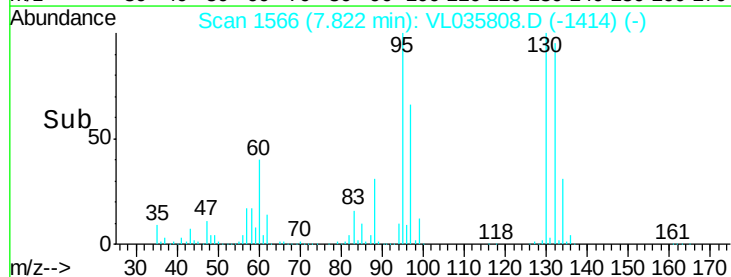
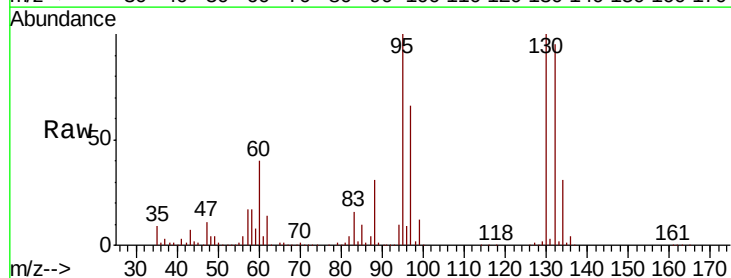
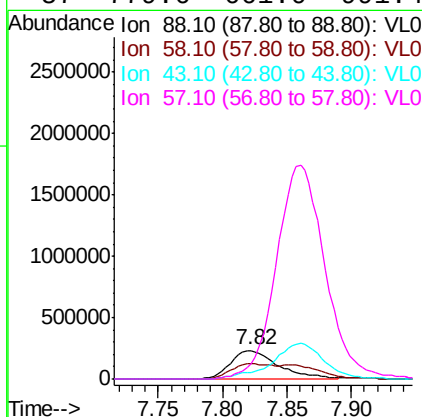
Manual Integrations
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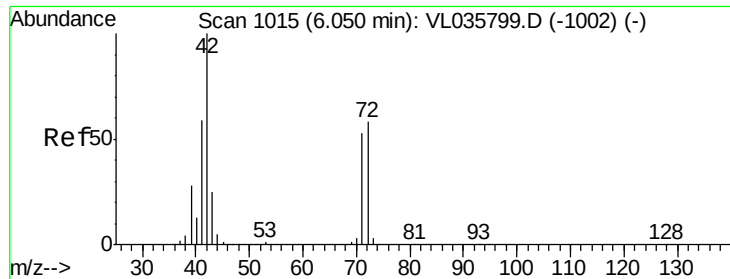
MMDadoda
 11/5/2020 2:13:41 PM



#40
 1,4-Dioxane
 Concen: 8.682 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: VL035808.D
 Acq: 3 Nov 2020 17:24

Tgt Ion	Ratio	Lower	Upper
88	100		
58	90.7	76.2	114.2
43	138.4	123.1	184.7
57	779.6	661.0	991.4





#41

Tetrahydrofuran

Concen: 8.805 ppbv

RT: 6.04 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

Instrument :

MSVOA_L

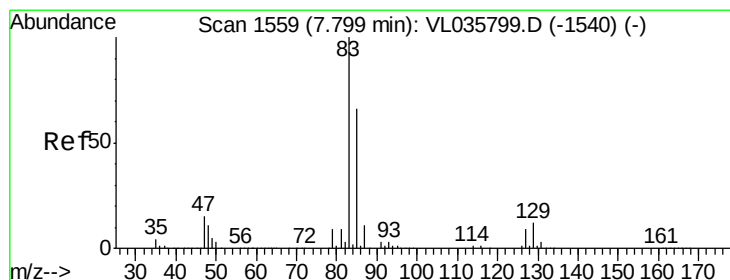
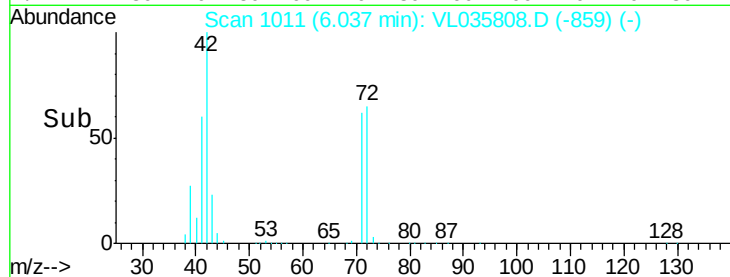
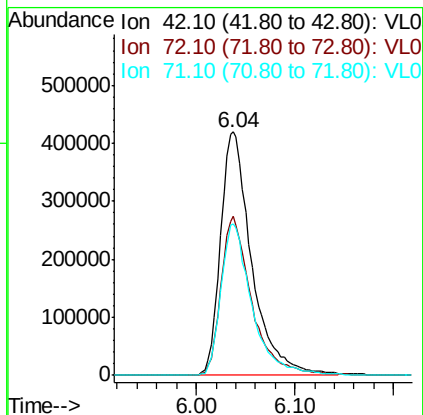
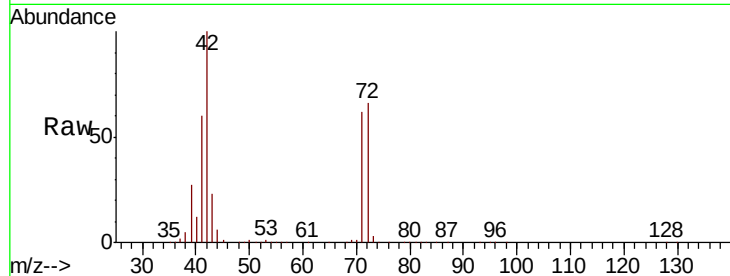
ClientSampleId :

VL1103ABS01

Tot Ion:	42	Resp:	930345
Ion	Ratio	Lower	Upper
42	100		
72	64.9	45.4	68.0
71	62.2	43.4	65.2

Manual Integrations
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11/5/2020 2:13:41 PM



#42

Bromodichloromethane

Concen: 9.084 ppbv

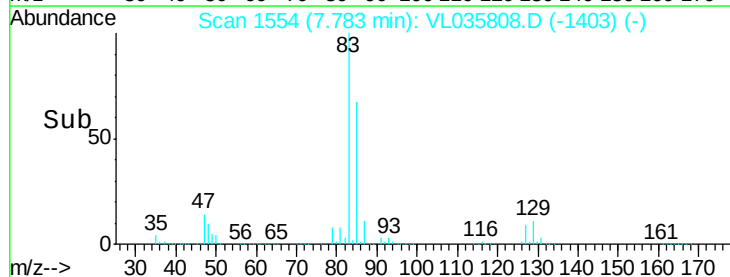
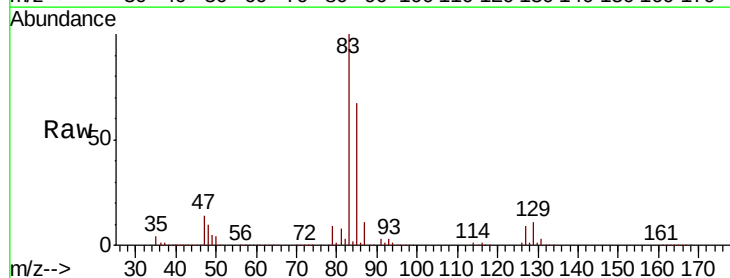
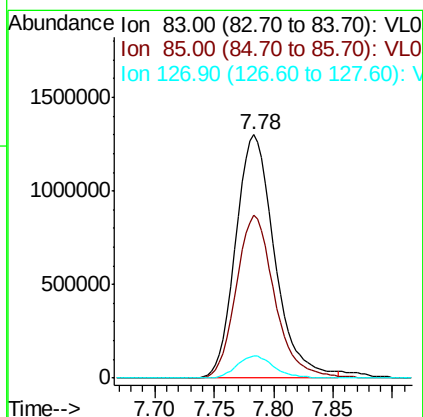
RT: 7.78 min Scan# 1554

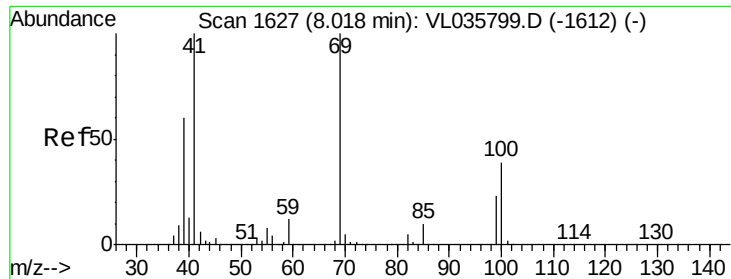
Delta R.T. -0.02 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

Tgt Ion:	83	Resp:	2958312
Ion	Ratio	Lower	Upper
83	100		
85	66.7	53.1	79.7
127	9.2	7.3	10.9





#43

Methyl Methacrylate

Concen: 9.434 ppbv

RT: 8.01 min Scan# 1623

Delta R.T. -0.01 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

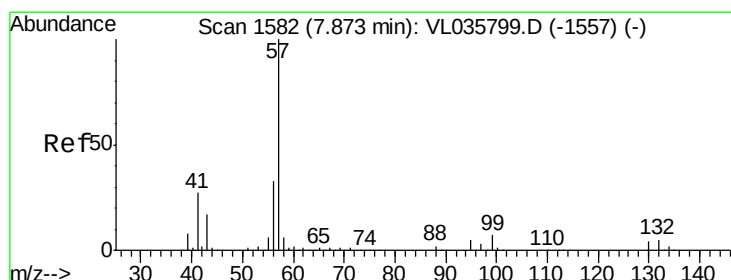
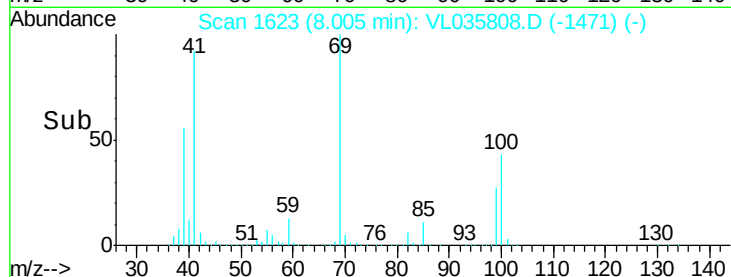
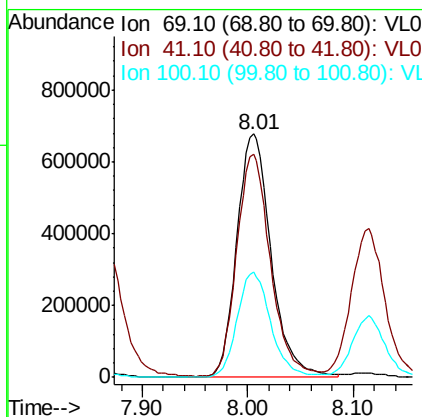
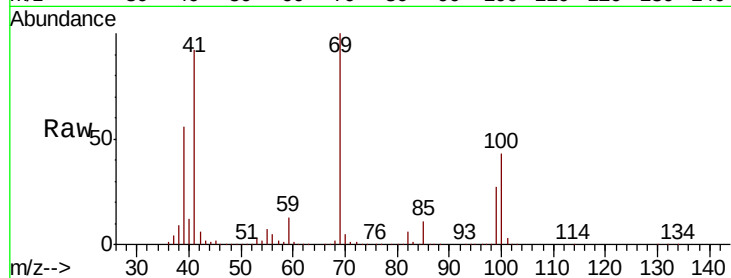
Instrument :
MSVOA_L
ClientSampleId :
VL1103ABS01

Tot Ion: 69 Resp: 1532909

Ion	Ratio	Lower	Upper
69	100		
41	90.9	81.1	121.7
100	42.4	31.0	46.4

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 8.143 ppbv

RT: 7.86 min Scan# 1578

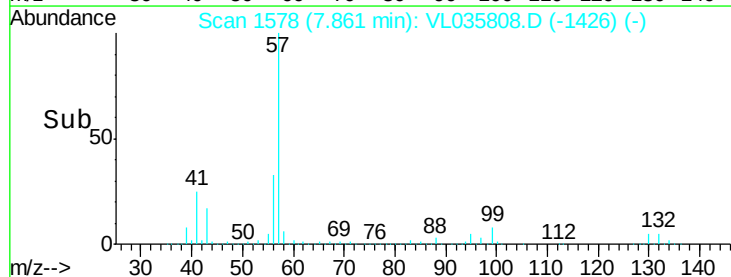
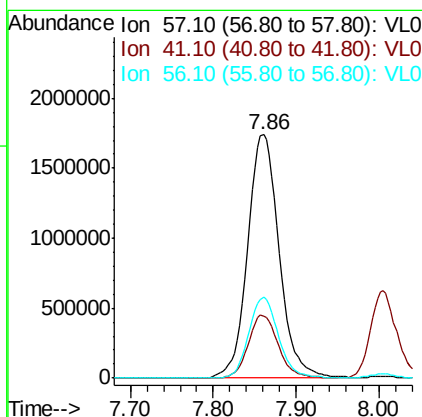
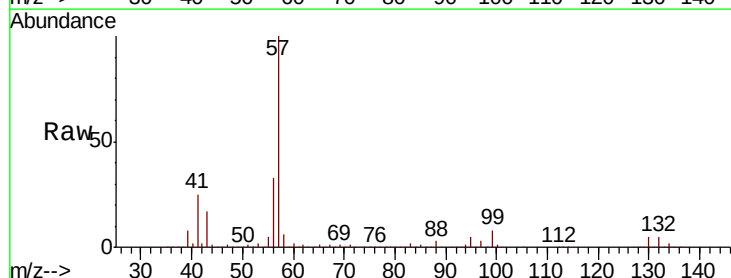
Delta R.T. -0.01 min

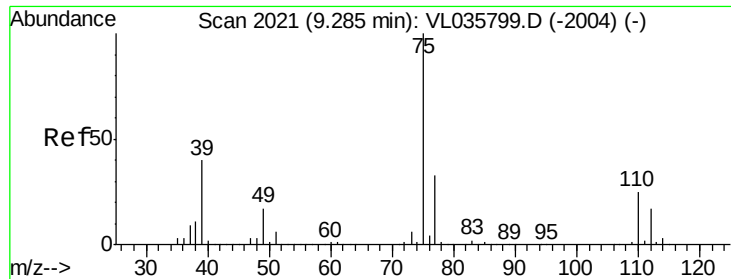
Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

Tgt Ion: 57 Resp: 4590317

Ion	Ratio	Lower	Upper
57	100		
41	24.7	21.0	31.4
56	31.4	25.4	38.0





#45

t-1,3-Dichloropropene

Concen: 10.467 ppbv

RT: 9.27 min Scan# 2017

Delta R.T. -0.01 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

Instrument :

MSVOA_L

ClientSampleId :

VL1103ABS01

Tot Ion: 75 Resp: 1802970

Ion Ratio Lower Upper

75 100

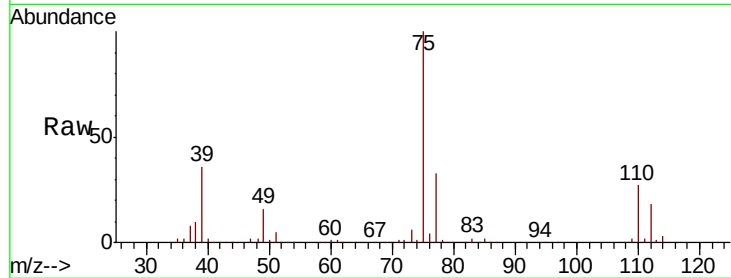
77 33.3 26.4 39.6

Manual Integrations

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.27

800000

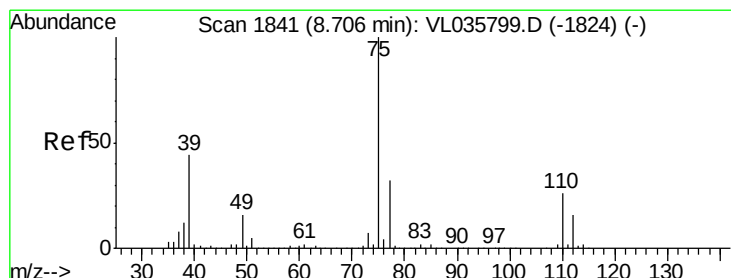
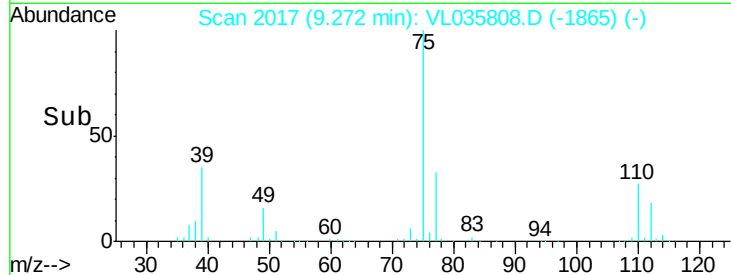
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 9.860 ppbv

RT: 8.69 min Scan# 1837

Delta R.T. -0.01 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

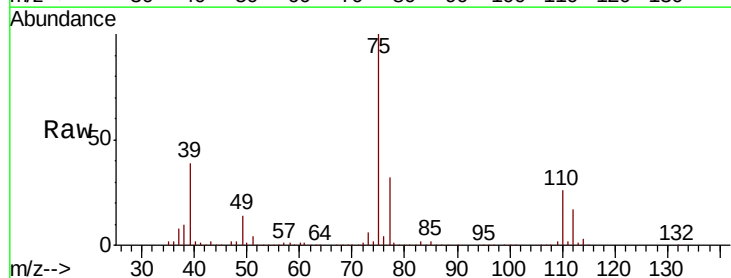
Tgt Ion: 75 Resp: 2150913

Ion Ratio Lower Upper

75 100

39 39.0 35.1 52.7

77 32.4 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

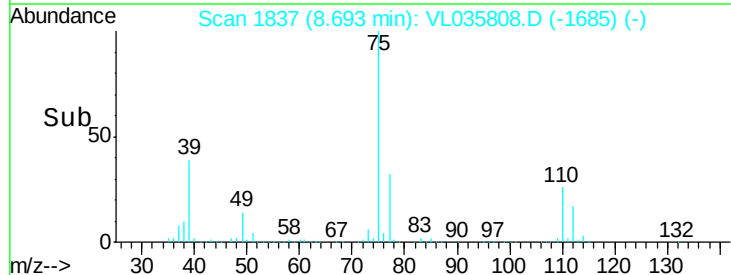
8.69

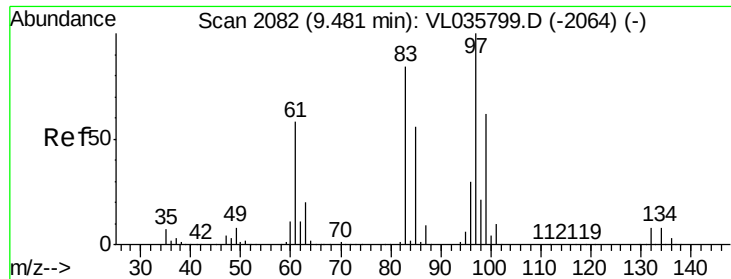
1000000

500000

0

Time-->





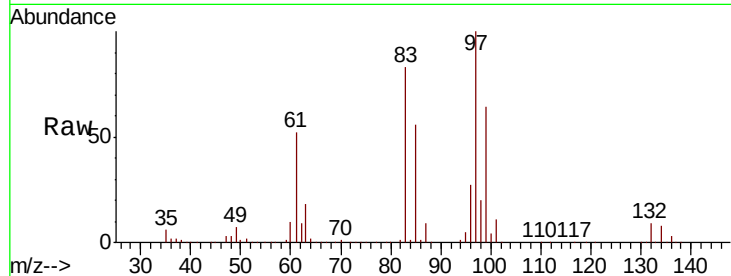
#47
 1,1,2-Trichloroethane
 Concen: 8.986 ppbv
 RT: 9.47 min Scan# 2078
 Delta R.T. -0.01 min
 Lab File: VL035808.D
 Acq: 3 Nov 2020 17:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1103ABS01

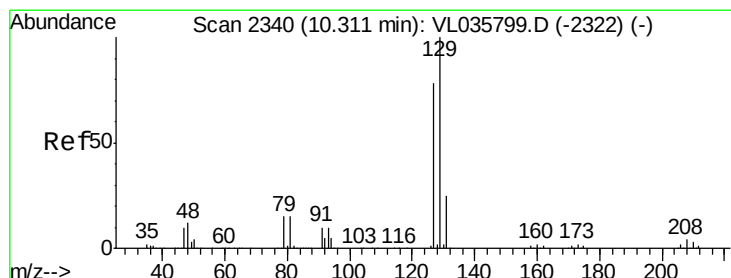
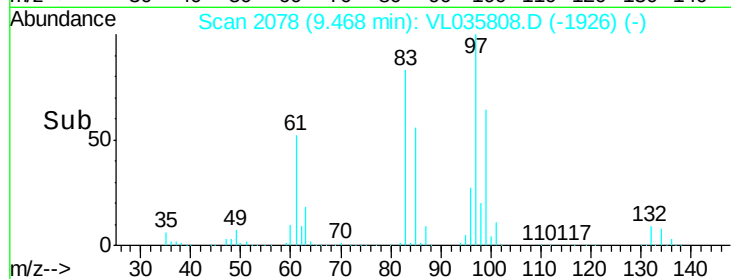
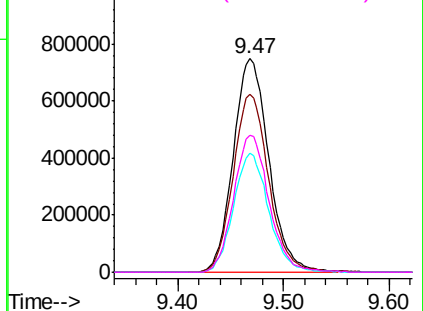
Tot Ion: 97 Resp: 1756163
 Ion Ratio Lower Upper
 97 100
 83 83.4 67.1 100.7
 85 55.7 44.7 67.1
 99 64.1 49.7 74.5

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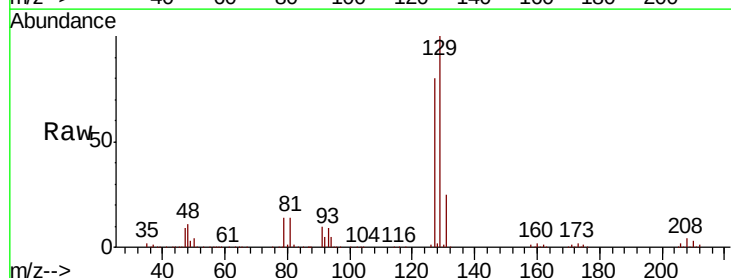


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

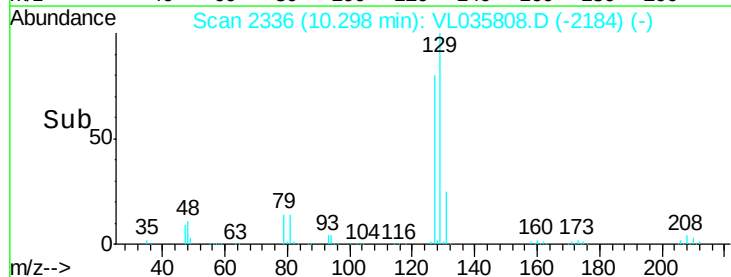
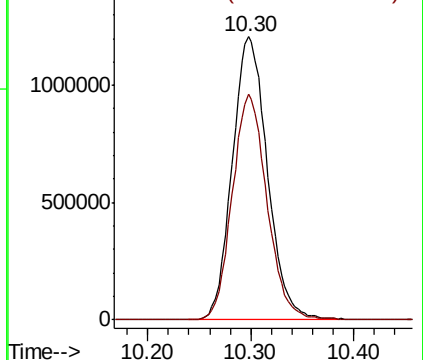


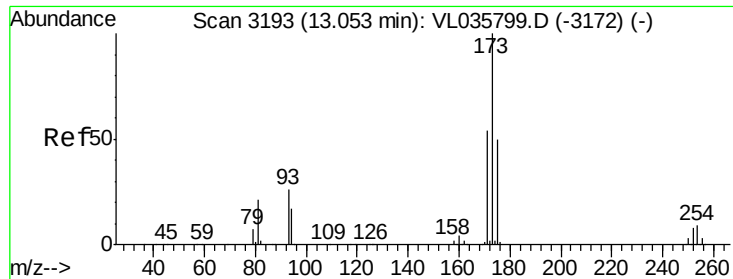
#48
 Dibromochloromethane
 Concen: 9.600 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T. -0.01 min
 Lab File: VL035808.D
 Acq: 3 Nov 2020 17:24

Tgt Ion: 129 Resp: 2866376
 Ion Ratio Lower Upper
 129 100
 127 78.9 39.2 117.6



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.757 ppbv

RT: 13.04 min Scan# 3188

Delta R.T. -0.02 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

Instrument :

MSVOA_L

ClientSampleId :

VL1103ABS01

Tot Ion:173 Resp: 2458137

Ion Ratio Lower Upper

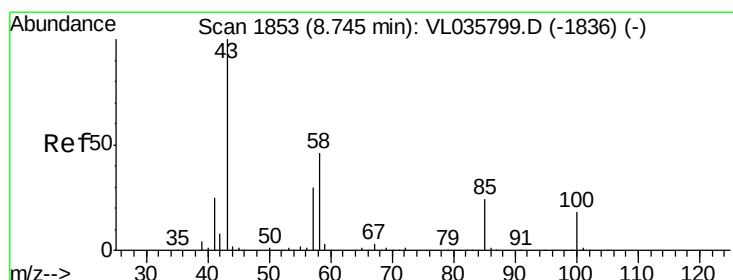
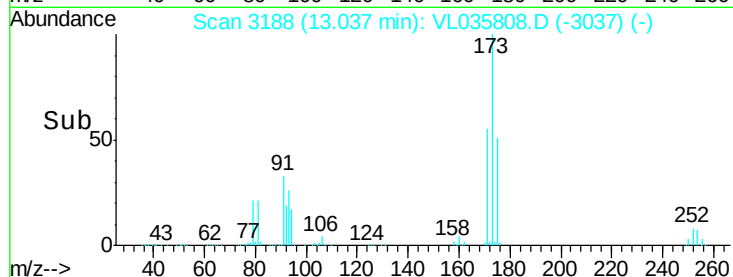
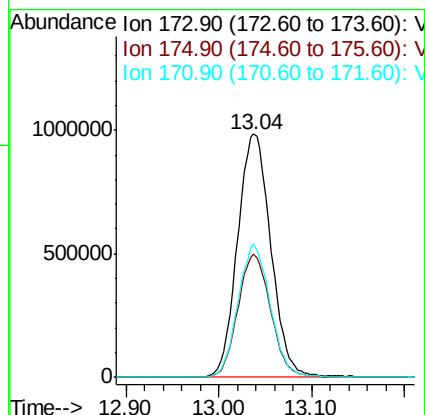
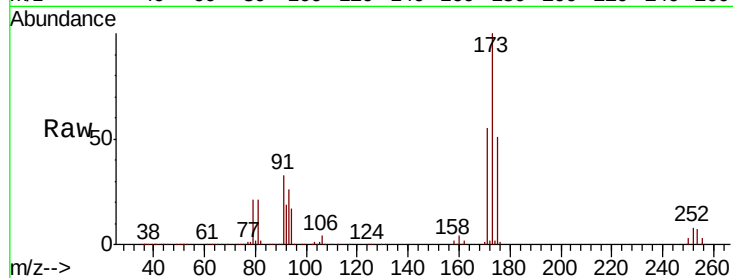
173 100

175 50.1 40.1 60.1

171 53.2 42.6 63.8

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#50

4-Methyl-2-Pentanone

Concen: 8.345 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. -0.01 min

Lab File: VL035808.D

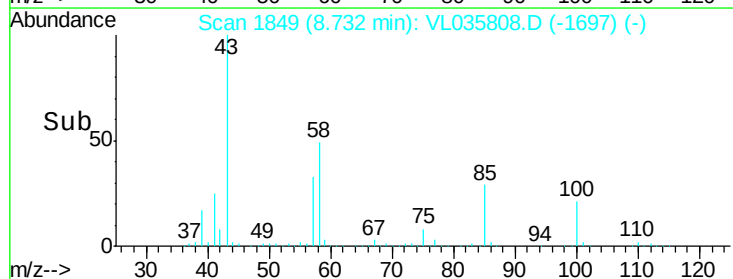
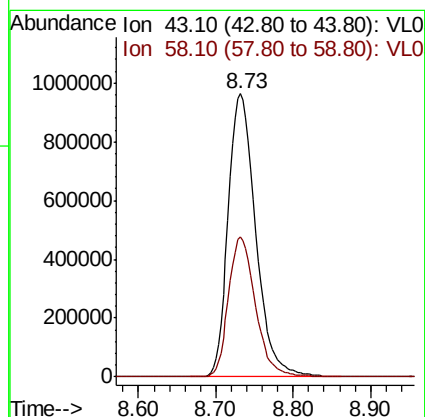
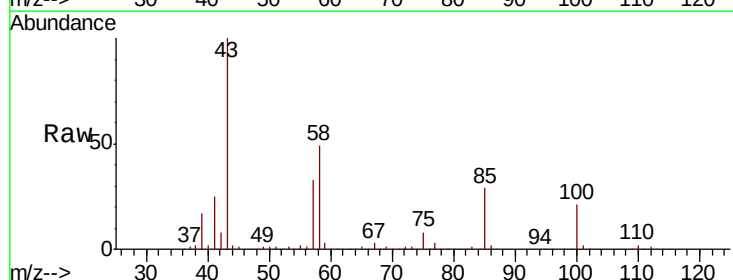
Acq: 3 Nov 2020 17:24

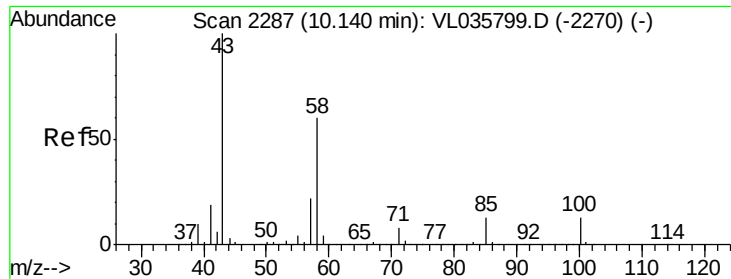
Tgt Ion: 43 Resp: 2373108

Ion Ratio Lower Upper

43 100

58 48.6 36.0 54.0





#51

2-Hexanone

Concen: 8.694 ppbv

RT: 10.12 min Scan# 2282

Delta R.T. -0.02 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

Instrument :

MSVOA_L

ClientSampled :

VL1103ABS01

Tot Ion: 43 Resp: 1986167

Ion Ratio Lower Upper

43 100

58 66.2 48.3 72.5

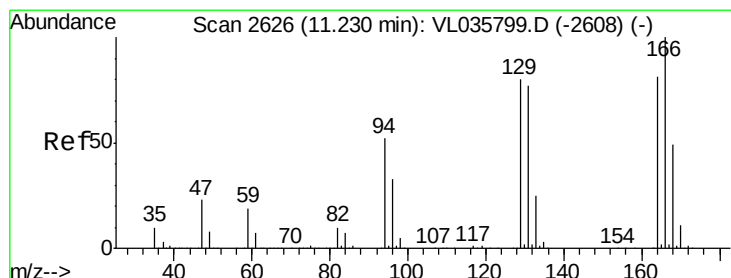
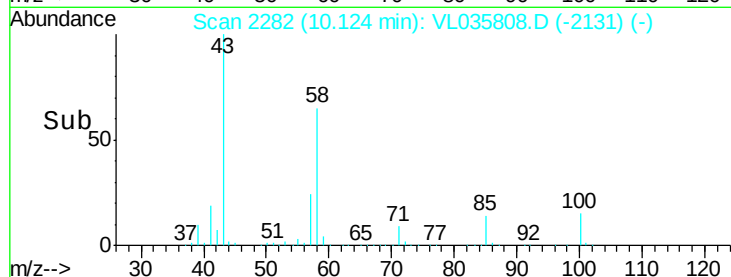
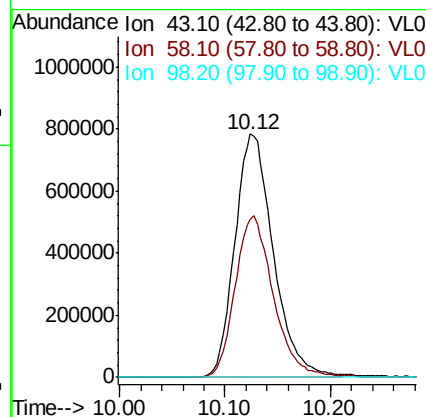
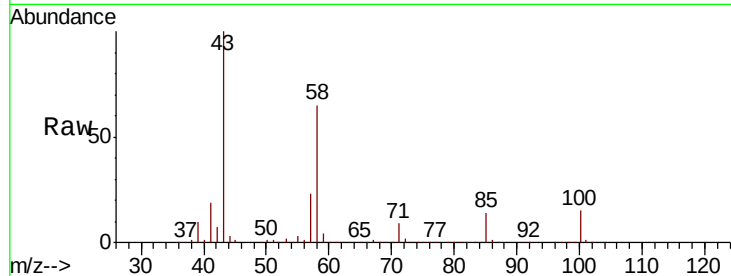
98 0.2 0.6 0.8#

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#52

Tetrachloroethene

Concen: 8.256 ppbv

RT: 11.21 min Scan# 2621

Delta R.T. -0.02 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

Tgt Ion: 164 Resp: 1666309

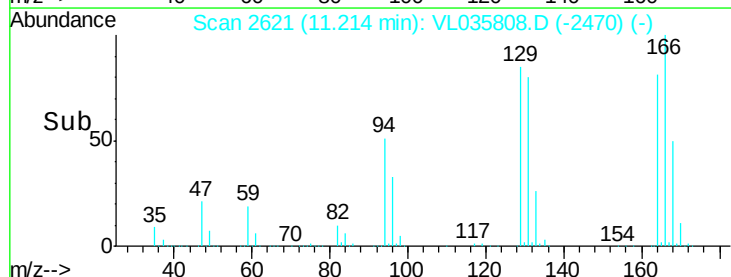
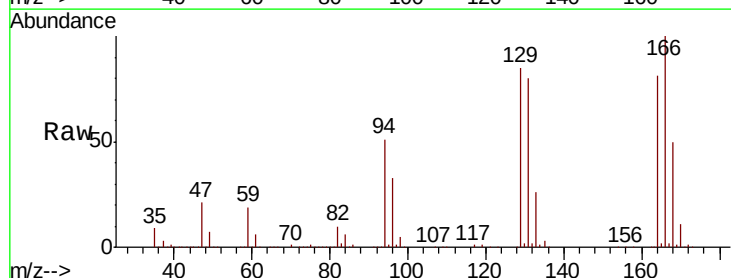
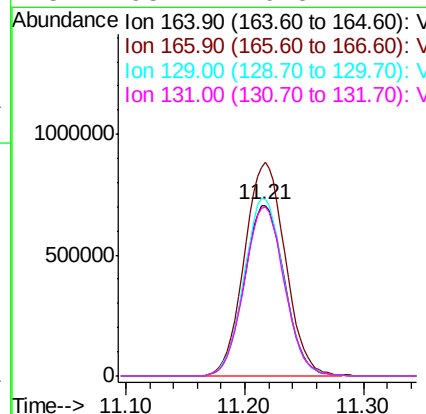
Ion Ratio Lower Upper

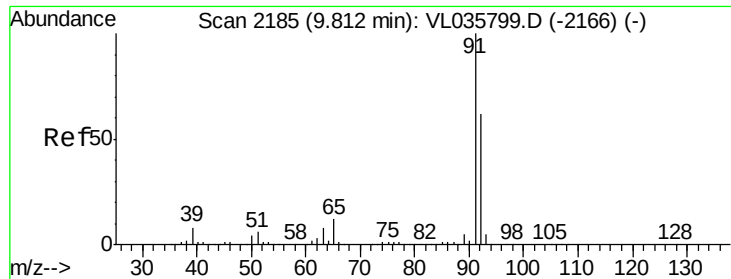
164 100

166 122.8 99.3 148.9

129 104.1 79.3 118.9

131 98.7 76.5 114.7





#53

Toluene

Concen: 8.992 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.02 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

Instrument :

MSVOA_L

ClientSampleId :

VL1103ABS01

Tot Ion: 91 Resp: 4622022

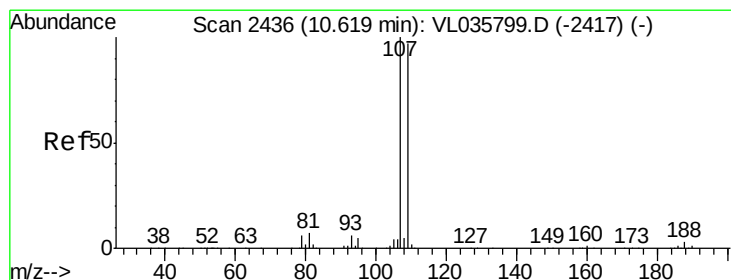
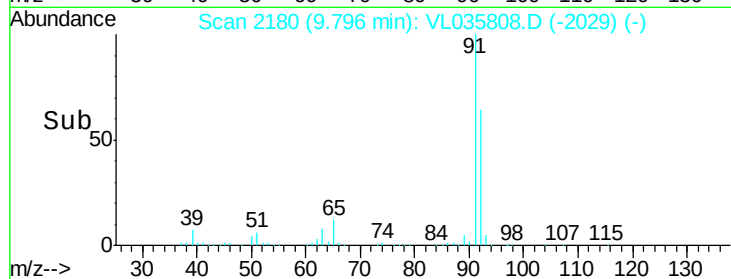
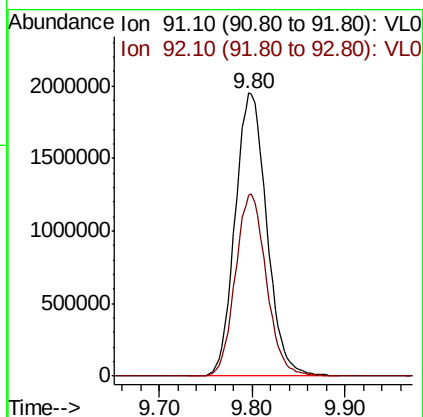
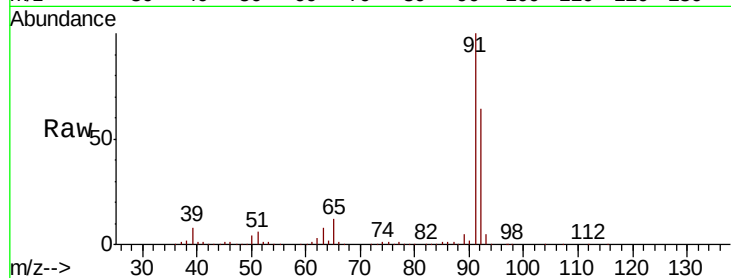
Ion Ratio Lower Upper

91 100

92 63.2 49.8 74.6

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#54

1,2-Dibromoethane

Concen: 9.243 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. -0.02 min

Lab File: VL035808.D

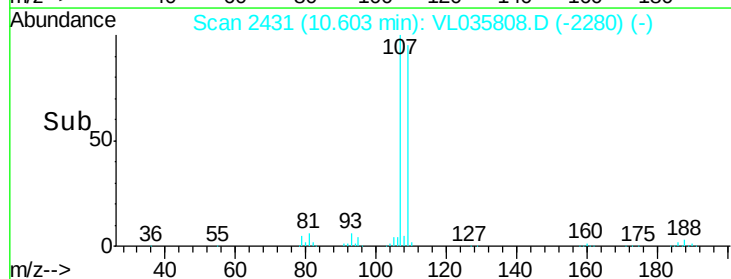
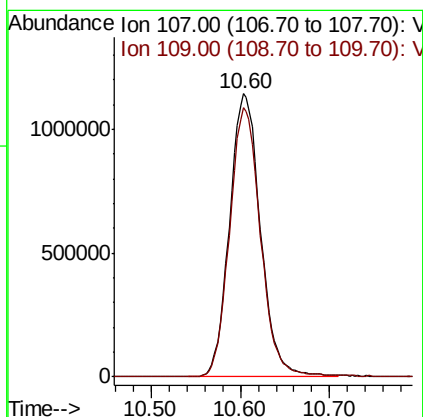
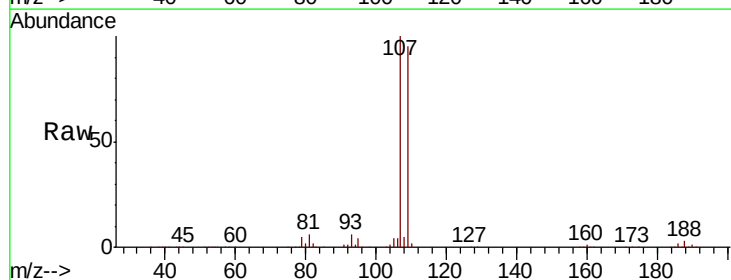
Acq: 3 Nov 2020 17:24

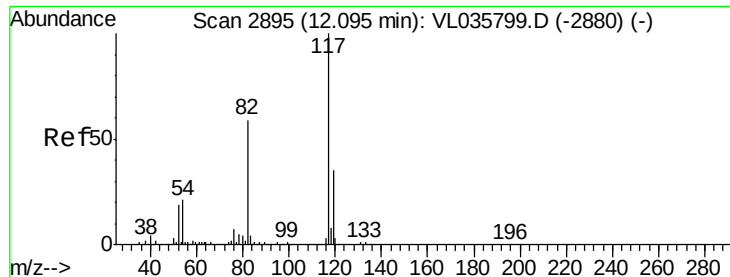
Tgt Ion: 107 Resp: 2747040

Ion Ratio Lower Upper

107 100

109 95.2 77.2 115.8





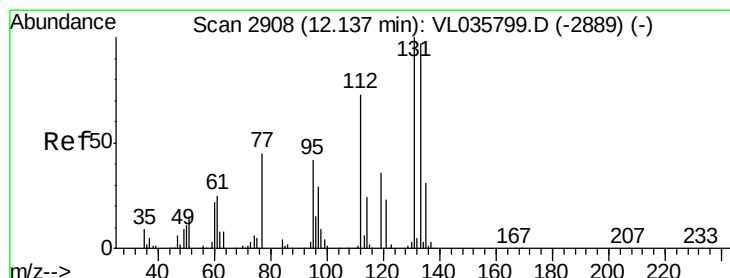
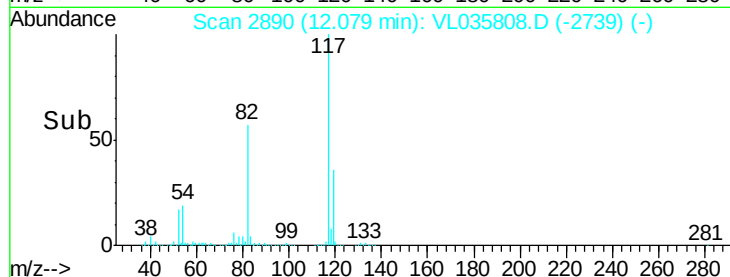
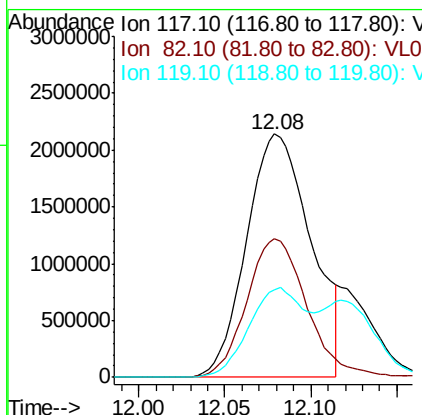
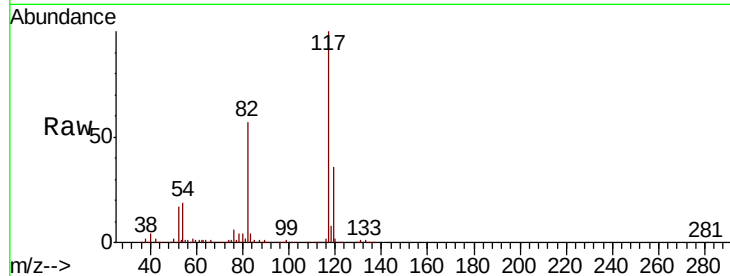
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2890
Delta R.T. -0.02 min
Lab File: VL035808.D
Acq: 3 Nov 2020 17:24

Instrument :
MSVOA_L
ClientSampleId :
VL1103ABS01

Tot Ion:117 Resp: 5578106
Ion Ratio Lower Upper
117 100
82 53.9 50.6 76.0
119 34.4 52.6 78.8#

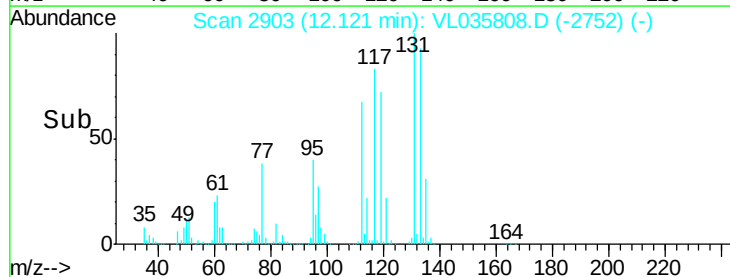
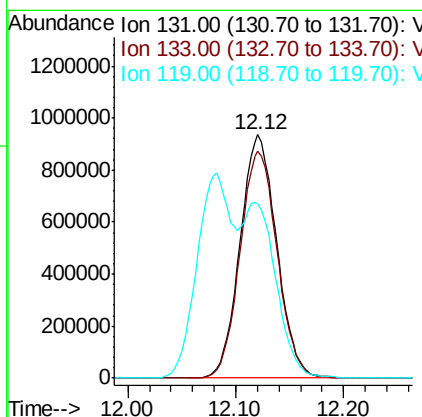
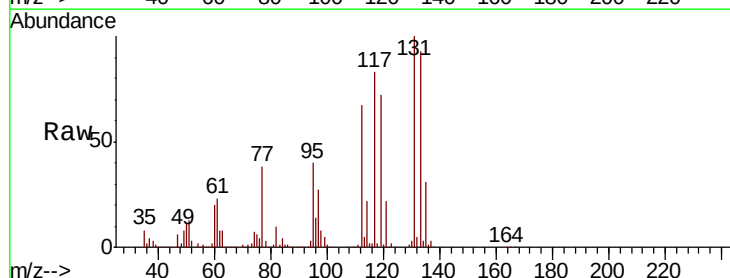
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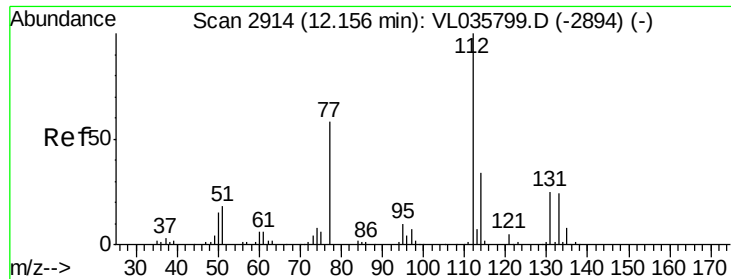
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.817 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. -0.02 min
Lab File: VL035808.D
Acq: 3 Nov 2020 17:24

Tgt Ion:131 Resp: 2207408
Ion Ratio Lower Upper
131 100
133 94.9 76.8 115.2
119 62.5 47.4 71.0





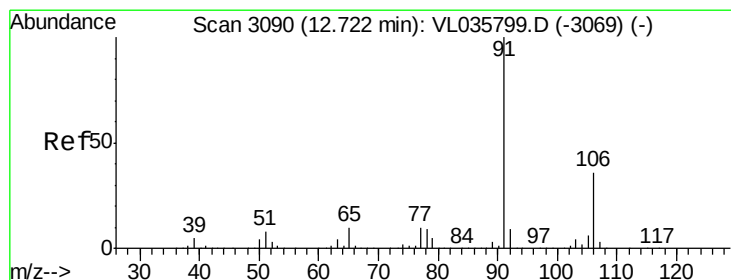
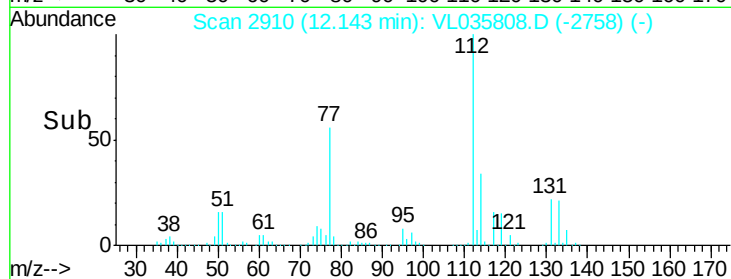
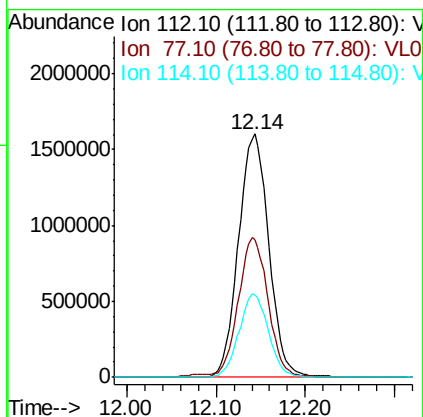
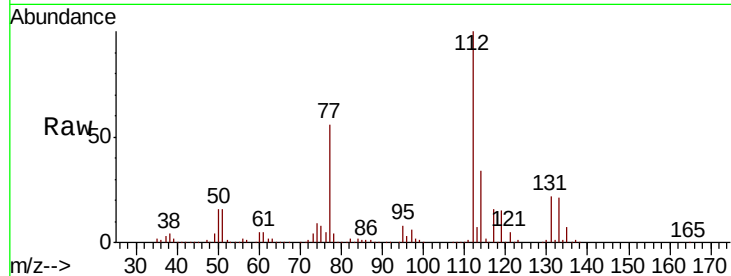
#57
Chlorobenzene
Concen: 8.535 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL035808.D
Acq: 3 Nov 2020 17:24

Instrument :
MSVOA_L
ClientSampleId :
VL1103ABS01

Tot Ion:112 Resp: 3785461
Ion Ratio Lower Upper
112 100
77 56.1 47.5 71.3
114 33.9 30.3 37.1

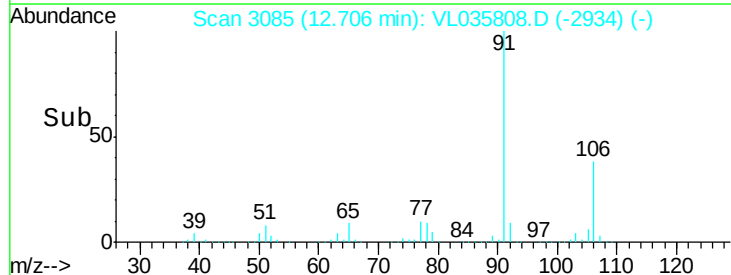
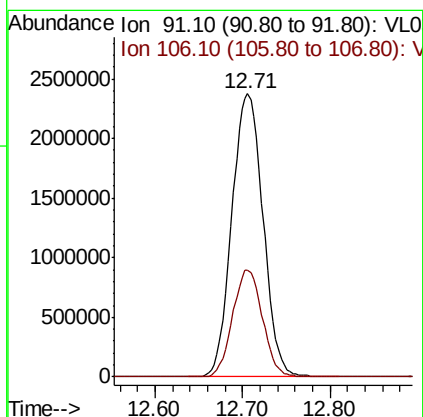
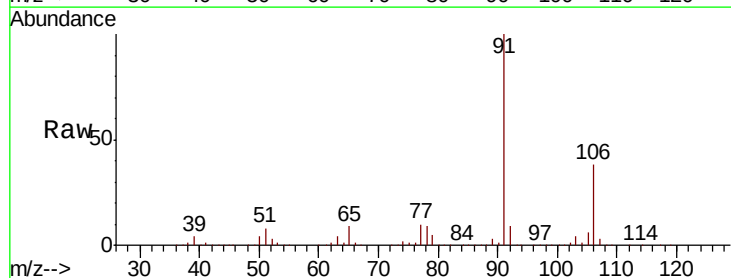
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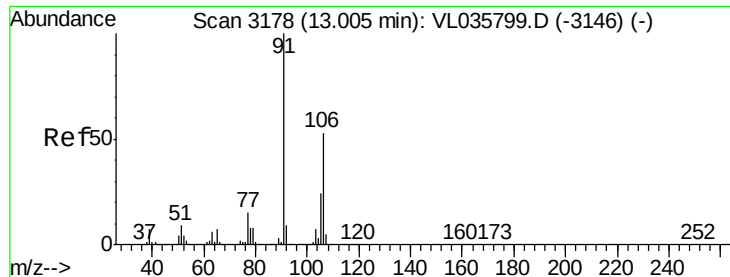
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#58
Ethyl Benzene
Concen: 8.649 ppbv
RT: 12.71 min Scan# 3085
Delta R.T. -0.02 min
Lab File: VL035808.D
Acq: 3 Nov 2020 17:24

Tgt Ion: 91 Resp: 5875721
Ion Ratio Lower Upper
91 100
106 37.6 28.6 43.0





#59

m/p-Xylene

Concen: 16.801 ppbv m

RT: 12.99 min Scan# 3174

Delta R.T. -0.01 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

Instrument :

MSVOA_L

ClientSampleId :

VL1103ABS01

Tot Ion: 91 Resp: 9656799

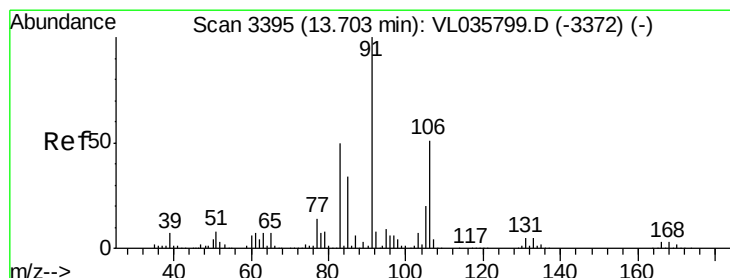
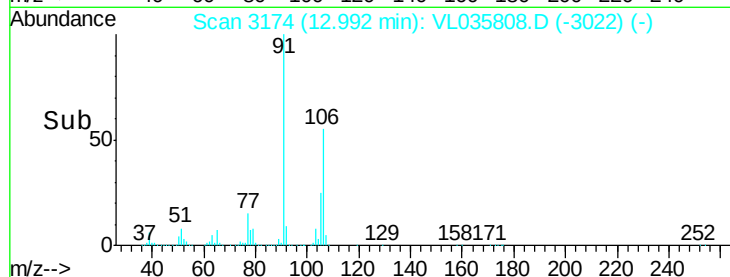
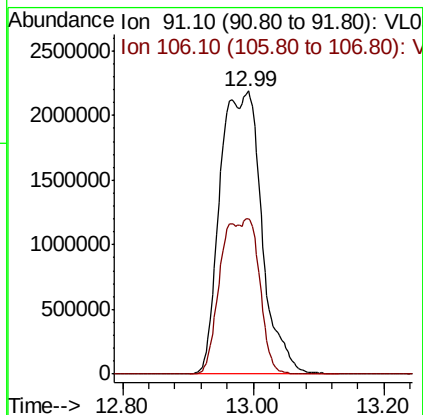
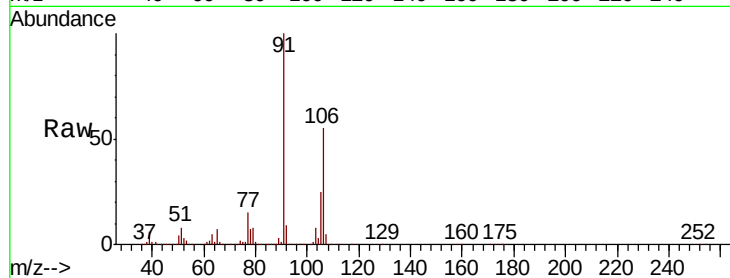
Ion Ratio Lower Upper

91 100

106 51.2 39.5 59.3

Manual Integrations
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#60

o-Xylene

Concen: 8.378 ppbv

RT: 13.69 min Scan# 3391

Delta R.T. -0.01 min

Lab File: VL035808.D

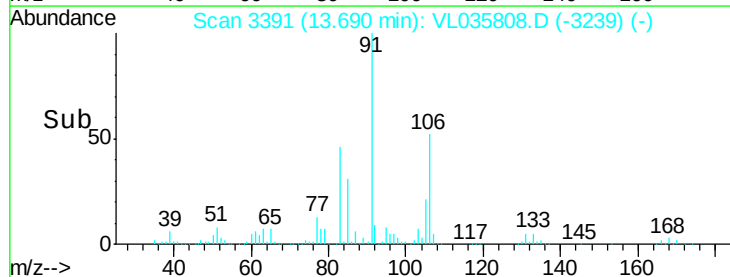
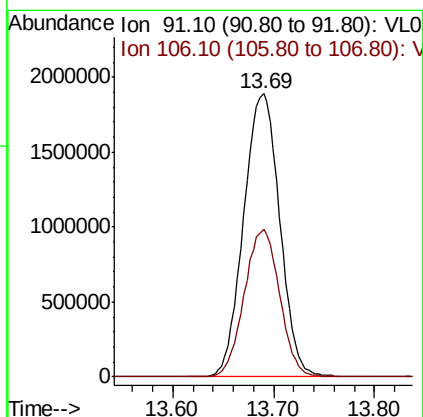
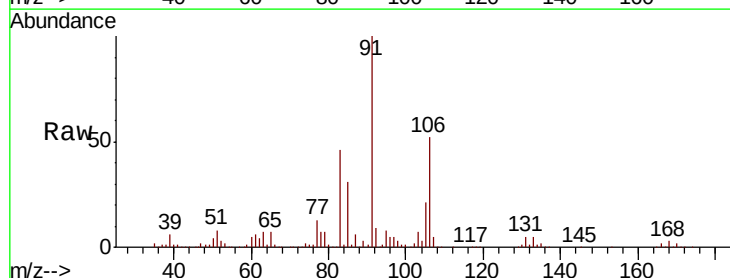
Acq: 3 Nov 2020 17:24

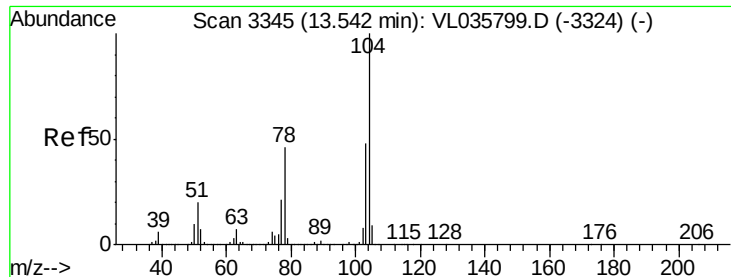
Tgt Ion: 91 Resp: 4684649

Ion Ratio Lower Upper

91 100

106 51.3 24.8 74.4





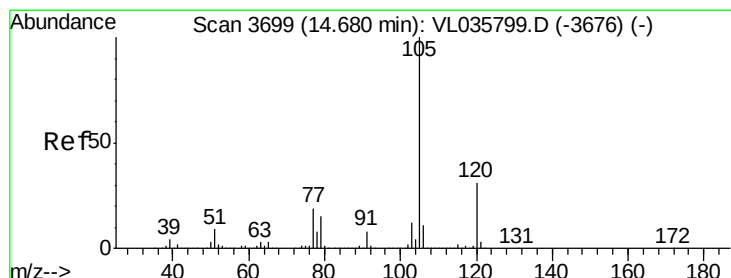
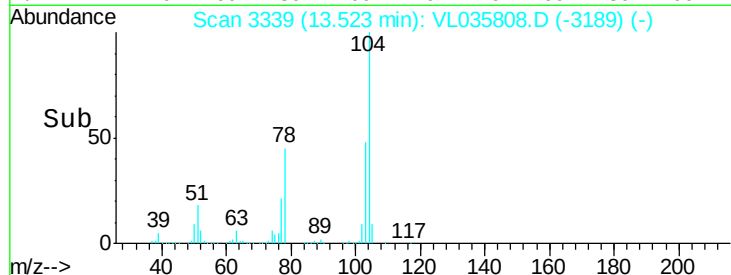
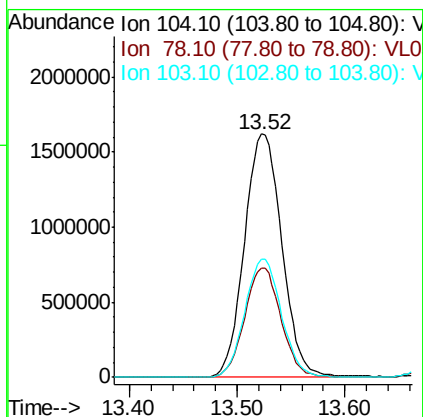
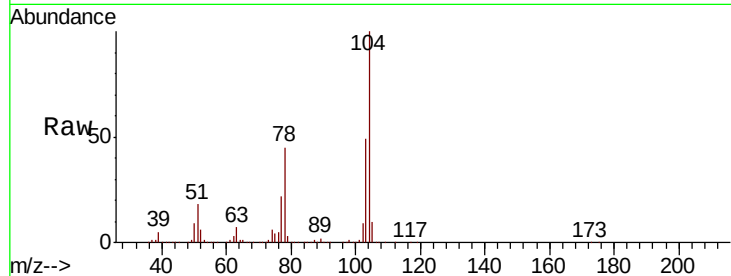
#61
Stvrene
Concen: 9.541 ppbv
RT: 13.52 min Scan# 3339
Delta R.T. -0.02 min
Lab File: VL035808.D
Acq: 3 Nov 2020 17:24

Instrument :
MSVOA_L
ClientSampleId :
VL1103ABS01

Tot Ion:104 Resp: 3908977
Ion Ratio Lower Upper
104 100
78 43.8 37.1 55.7
103 47.8 37.9 56.9

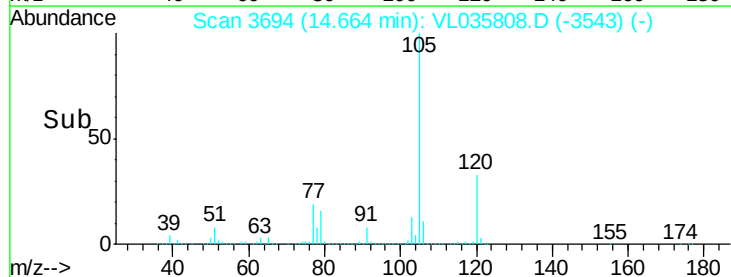
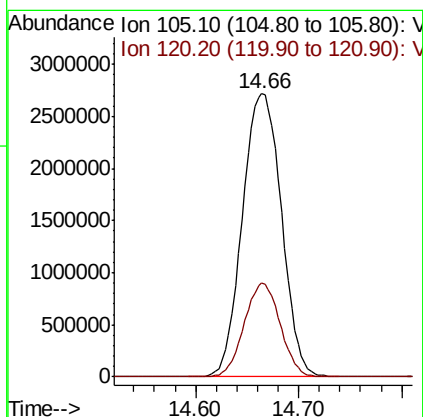
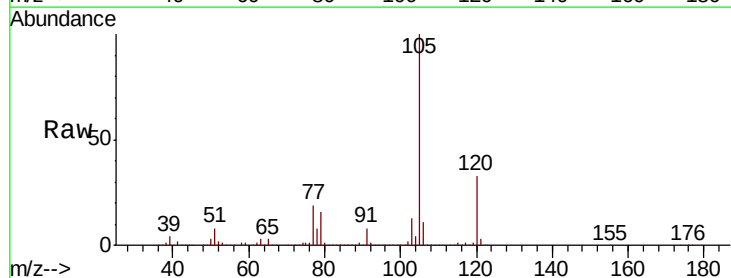
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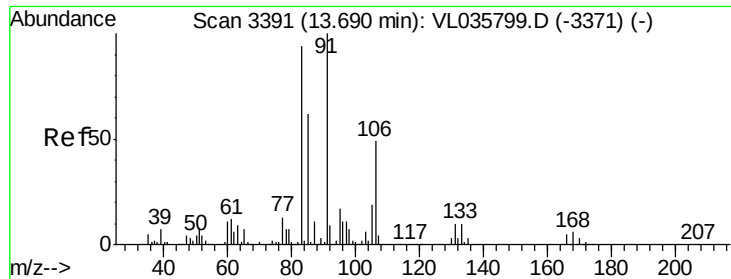
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#62
Isopropylbenzene
Concen: 8.139 ppbv
RT: 14.66 min Scan# 3694
Delta R.T. -0.02 min
Lab File: VL035808.D
Acq: 3 Nov 2020 17:24

Tgt Ion:105 Resp: 7152819
Ion Ratio Lower Upper
105 100
120 30.7 23.5 35.3





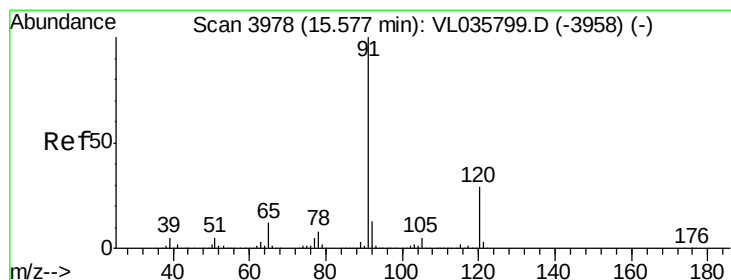
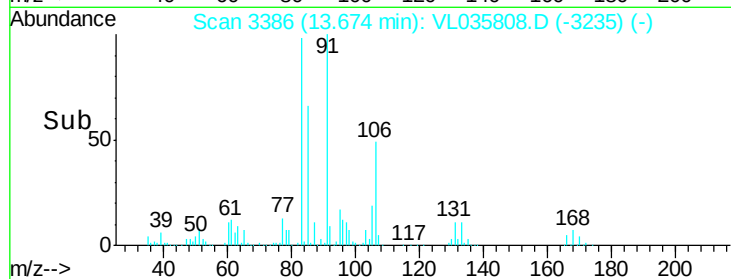
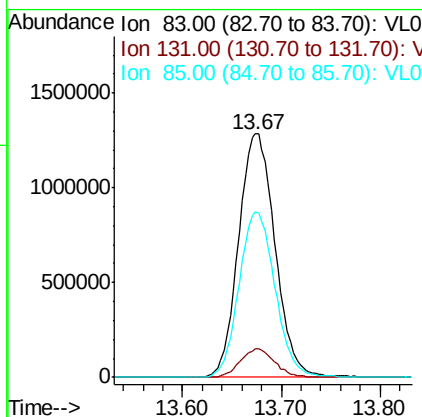
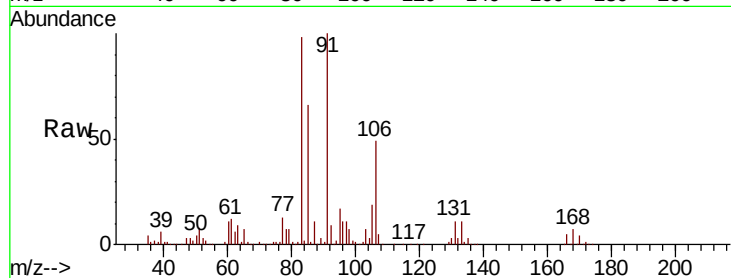
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.582 ppbv
 RT: 13.67 min Scan# 3386
 Delta R.T. -0.02 min
 Lab File: VL035808.D
 Acq: 3 Nov 2020 17:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1103ABS01

Tot Ion	83	Resp	3284995
Ion Ratio	100	Lower	Upper
83	100		
131	11.2	5.3	15.8
85	67.5	33.5	100.4

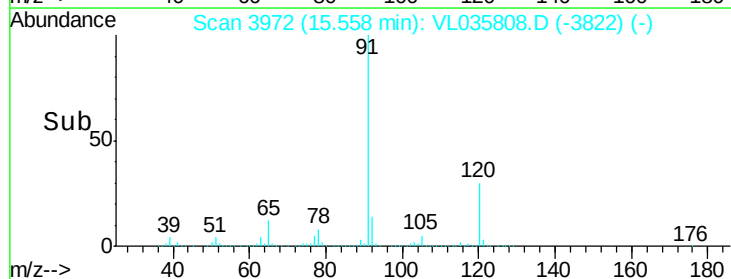
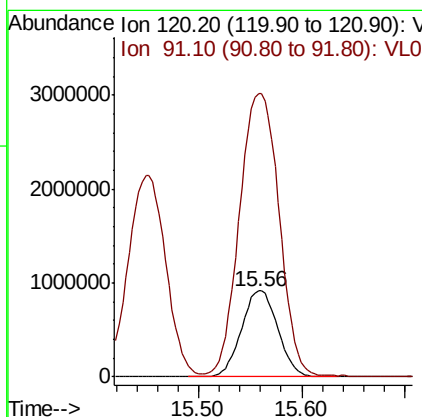
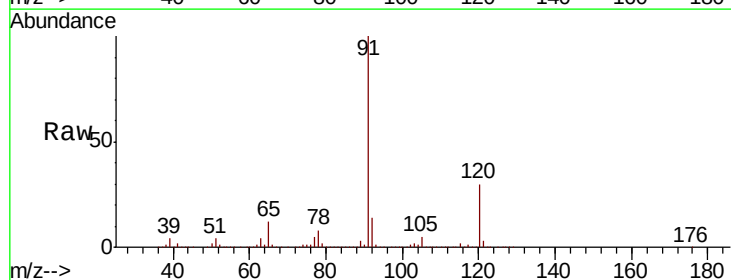
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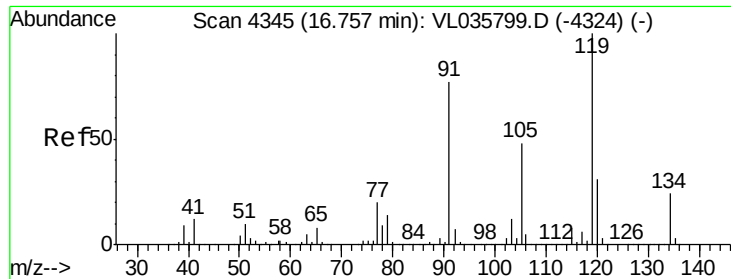
MMDadoda
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#64
 n-propylbenzene
 Concen: 8.834 ppbv
 RT: 15.56 min Scan# 3972
 Delta R.T. -0.02 min
 Lab File: VL035808.D
 Acq: 3 Nov 2020 17:24

Tgt Ion	120	Resp	2244017
Ion Ratio	100	Lower	Upper
120	100		
91	361.9	311.1	466.7





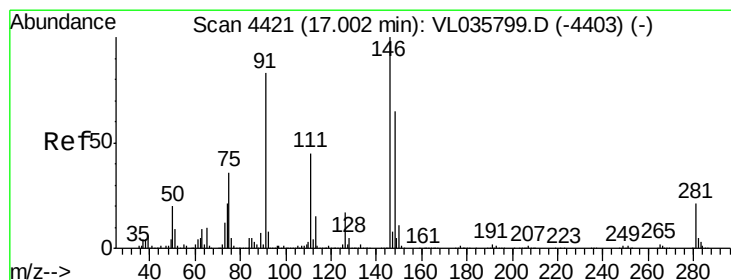
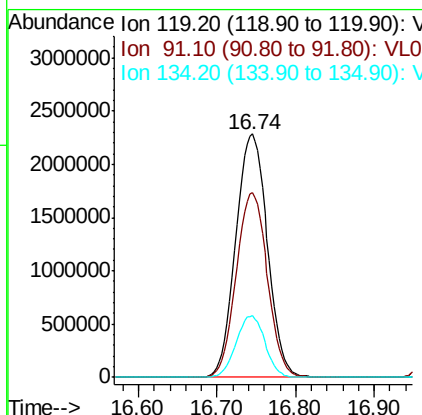
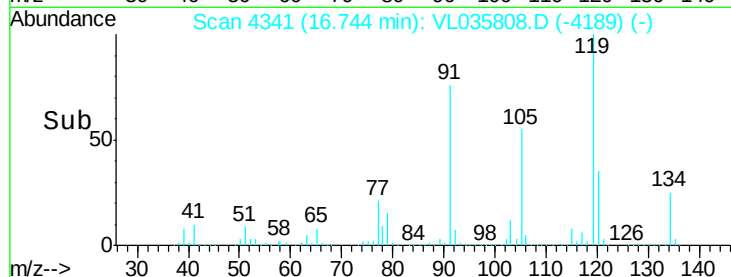
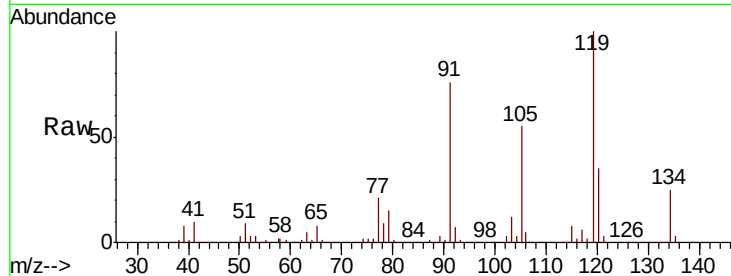
#65
tert-Butylbenzene
Concen: 8.046 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. -0.01 min
Lab File: VL035808.D
Acq: 3 Nov 2020 17:24

Instrument :
MSVOA_L
ClientSampleId :
VL1103ABS01

Tot Ion:119 Resp: 6436318
Ion Ratio Lower Upper
119 100
91 74.8 62.0 93.0
134 23.2 17.8 26.8

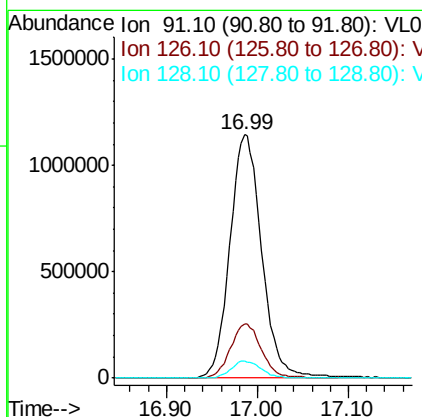
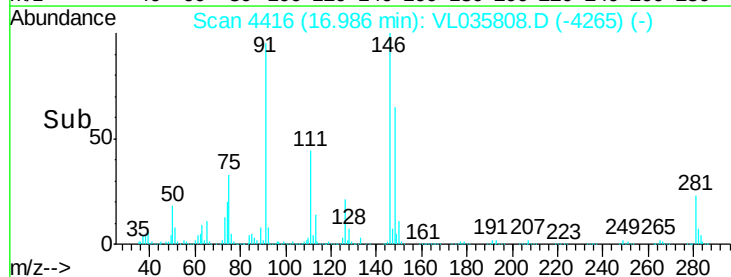
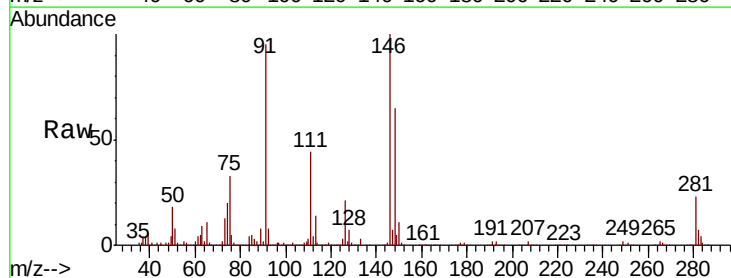
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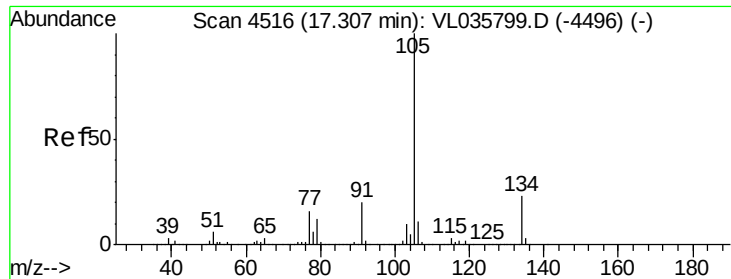
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#66
Benzyl Chloride
Concen: 10.446 ppbv
RT: 16.99 min Scan# 4416
Delta R.T. -0.02 min
Lab File: VL035808.D
Acq: 3 Nov 2020 17:24

Tgt Ion: 91 Resp: 2762160
Ion Ratio Lower Upper
91 100
126 22.0 16.0 24.0
128 7.0 5.0 7.4





#67

sec-Butylbenzene

Concen: 7.862 ppbv

RT: 17.29 min Scan# 4511

Delta R.T. -0.02 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

Instrument :

MSVOA_L

ClientSampleId :

VL1103ABS01

Tot Ion:105 Resp: 8475279

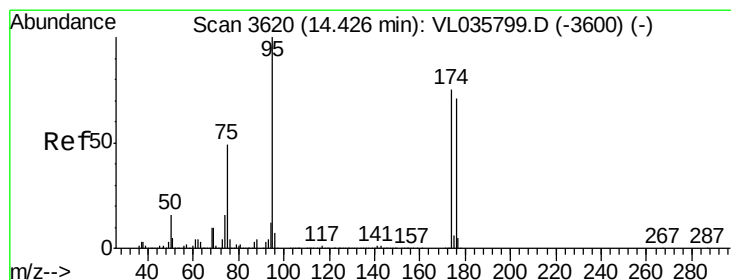
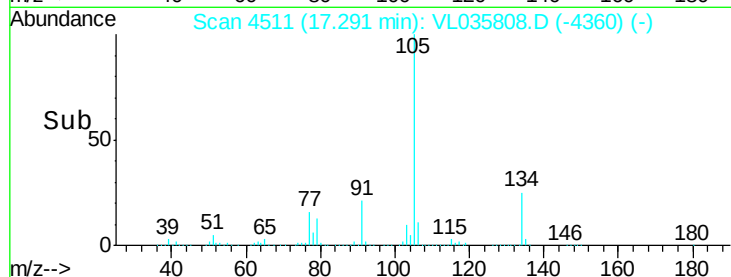
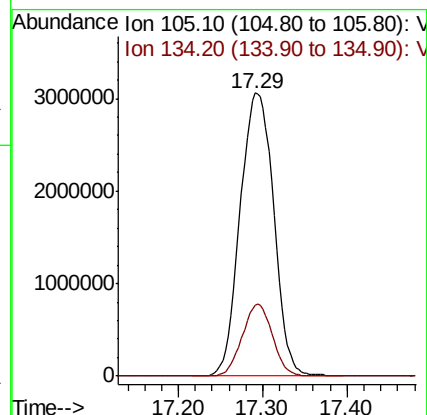
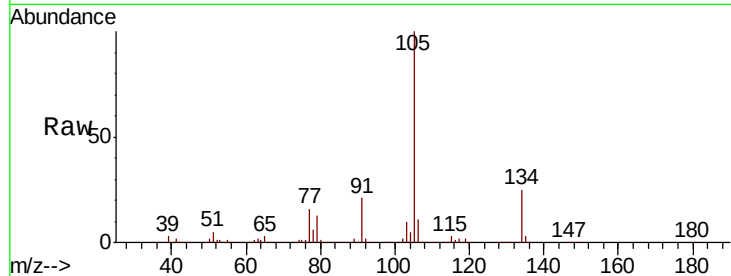
Ion Ratio Lower Upper

105 100

134 22.9 17.0 25.6

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.588 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. -0.02 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

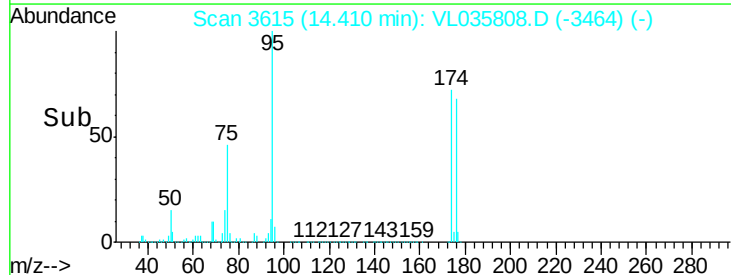
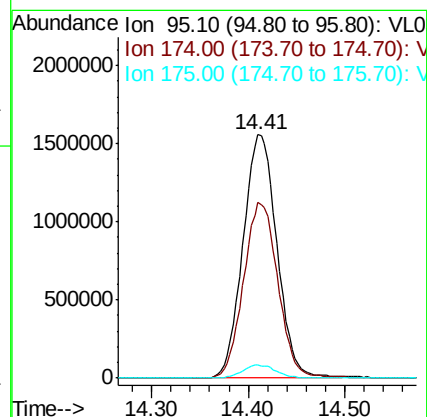
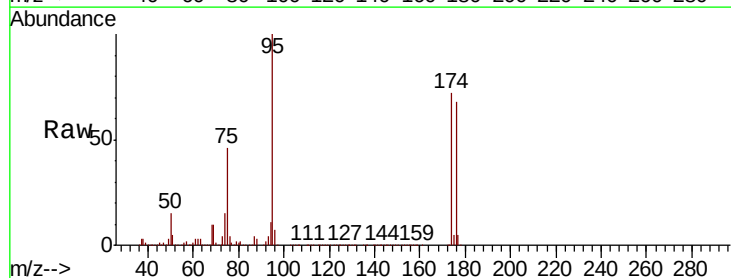
Tgt Ion: 95 Resp: 3799978

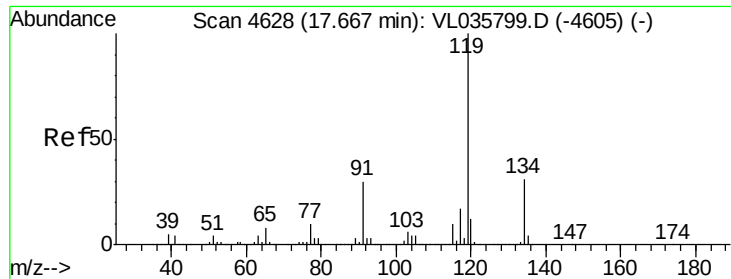
Ion Ratio Lower Upper

95 100

174 73.6 59.8 89.6

175 5.3 4.3 6.5





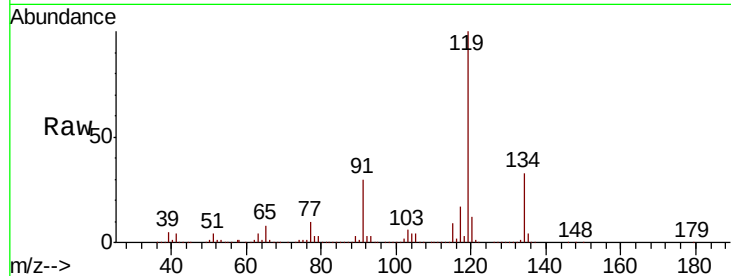
#69
 p-Isopropyltoluene
 Concen: 8.204 ppbv
 RT: 17.65 min Scan# 4623
 Delta R.T. -0.02 min
 Lab File: VL035808.D
 Acq: 3 Nov 2020 17:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1103ABS01

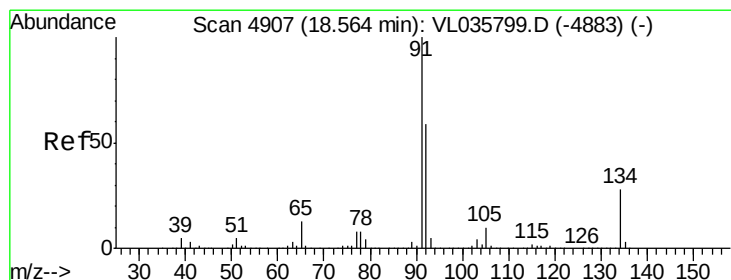
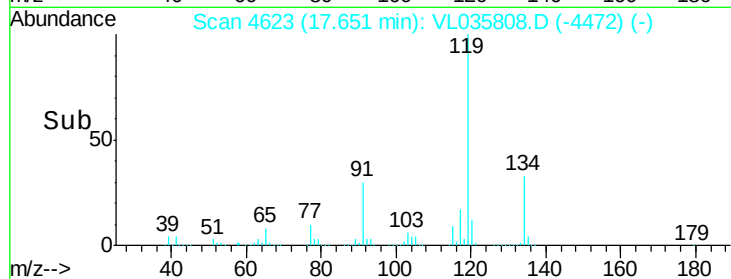
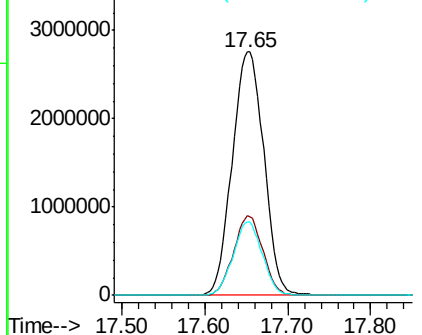
Tot Ion	Ratio	Lower	Upper
119	100		
134	30.4	23.0	34.6
91	28.1	22.8	34.2

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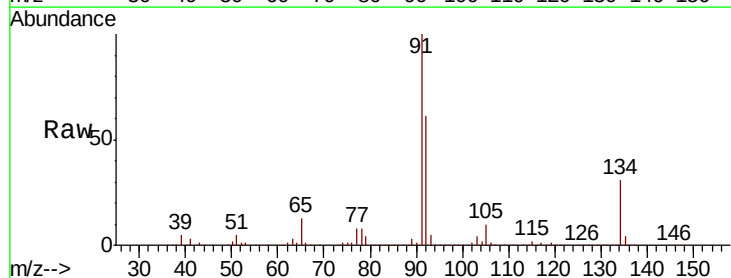


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

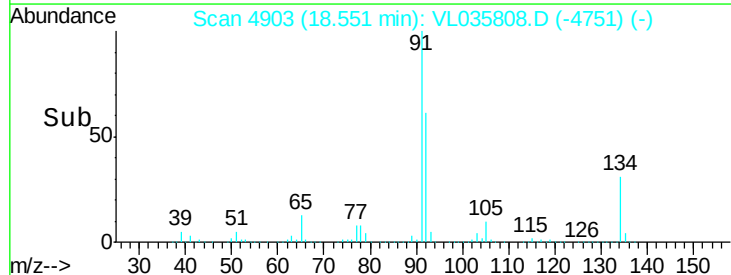
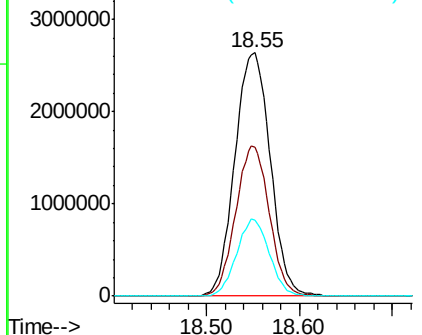


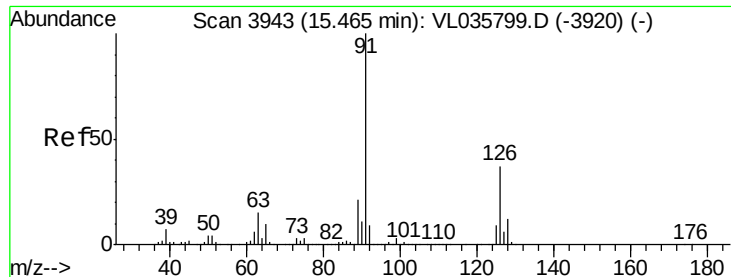
#70
 n-Butylbenzene
 Concen: 8.155 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. -0.01 min
 Lab File: VL035808.D
 Acq: 3 Nov 2020 17:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.6	45.7	68.5
134	29.3	21.0	31.4



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





#71

2-Chlorotoluene

Concen: 8.479 ppbv

RT: 15.45 min Scan# 3939

Delta R.T. -0.01 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

Instrument :

MSVOA_L

ClientSampleId :

VL1103ABS01

Tot Ion: 91 Resp: 5450403

Ion Ratio Lower Upper

91 100

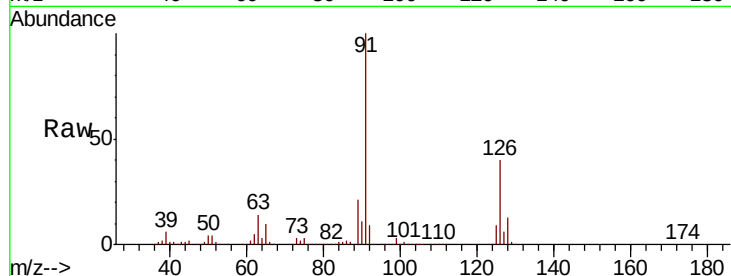
126 38.2 14.3 57.1

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Abundance Ion 91.10 (90.80 to 91.80): VL035808.D (-3787) (-)

Ion 126.10 (125.80 to 126.80): VL035808.D (-3787) (-)

3000000

2000000

1000000

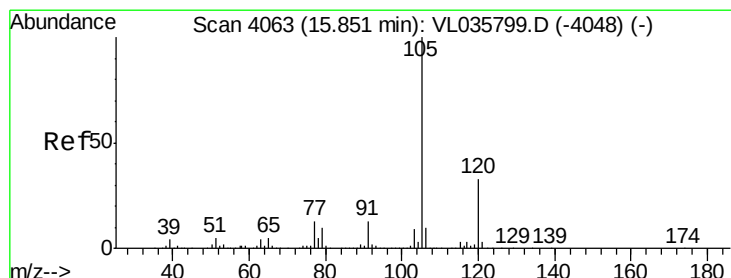
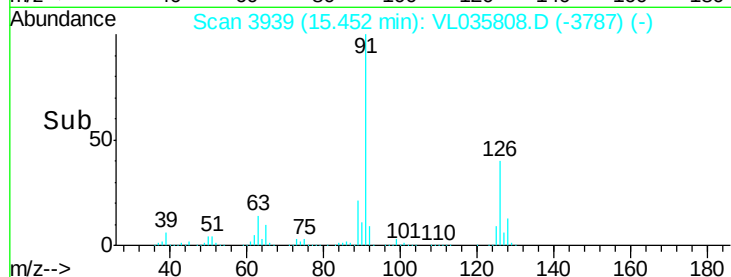
0

15.45

15.40

15.50

Time-->



#72

4-Ethyltoluene

Concen: 8.586 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. -0.01 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

Tgt Ion: 105 Resp: 5822517

Ion Ratio Lower Upper

105 100

120 34.1 25.9 38.9

91 12.1 9.9 14.9

77 12.4 10.2 15.2

Abundance Ion 105.10 (104.80 to 105.80): VL035808.D (-3907) (-)

Ion 120.20 (119.90 to 120.90): VL035808.D (-3907) (-)

Ion 91.10 (90.80 to 91.80): VL035808.D (-3907) (-)

Ion 77.10 (76.80 to 77.80): VL035808.D (-3907) (-)

3000000

2000000

1000000

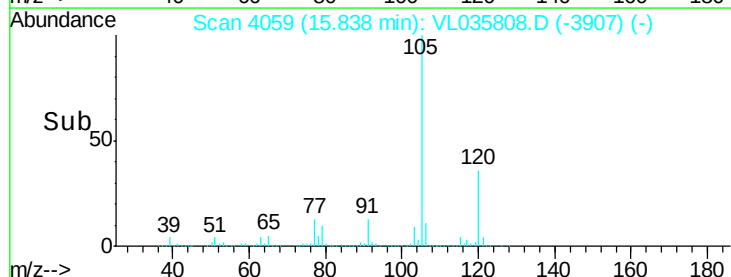
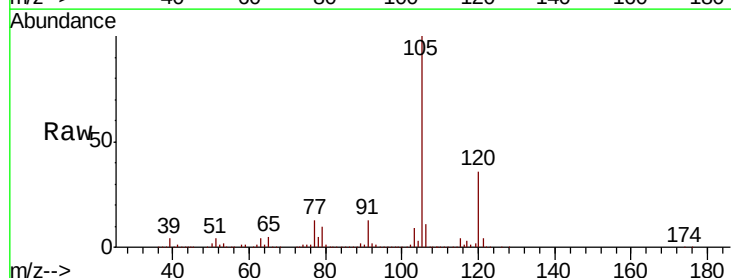
0

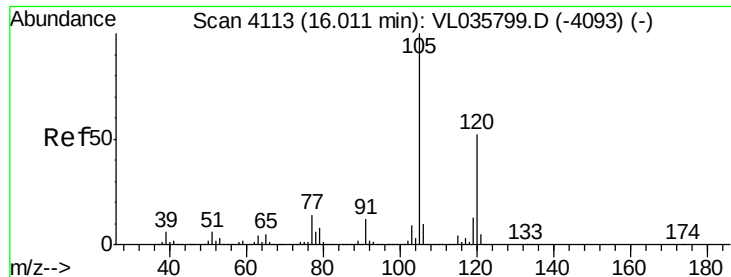
15.84

15.80

15.90

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 8.640 ppbv

RT: 16.00 min Scan# 4108

Delta R.T. -0.02 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

Instrument :

MSVOA_L

ClientSampleId :

VL1103ABS01

Tot Ion:105 Resp: 5361919

Ion Ratio Lower Upper

105 100

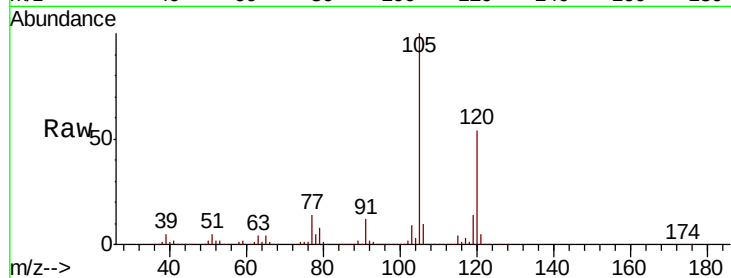
120 54.1 41.4 62.2

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2500000

2000000

1500000

1000000

500000

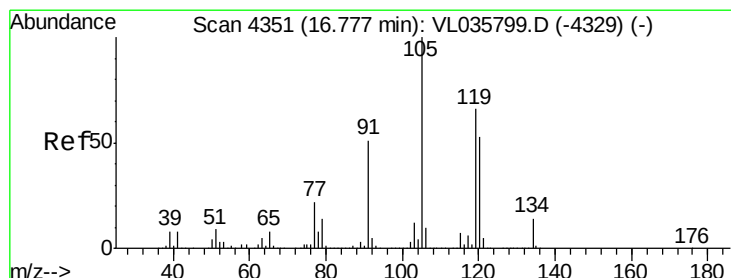
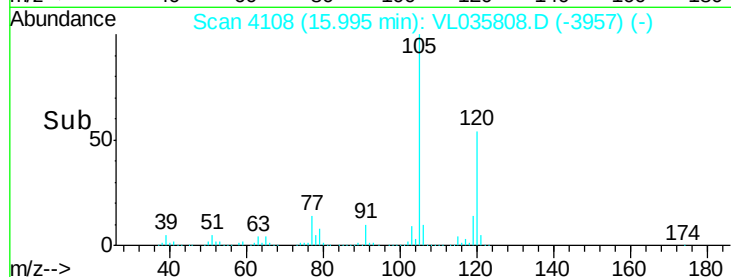
0

15.90

16.00

16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.112 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. -0.02 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

Tgt Ion:105 Resp: 5394159

Ion Ratio Lower Upper

105 100

120 55.9 42.0 63.0

91 54.1 41.0 61.6

77 21.6 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

3000000

2000000

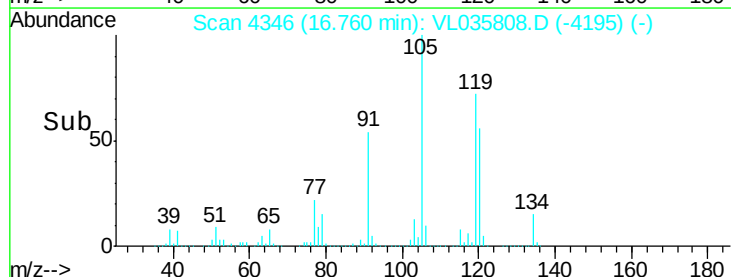
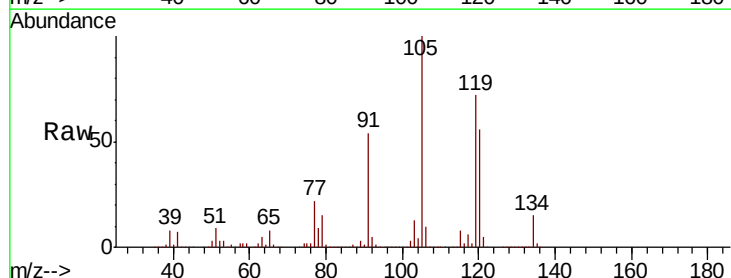
1000000

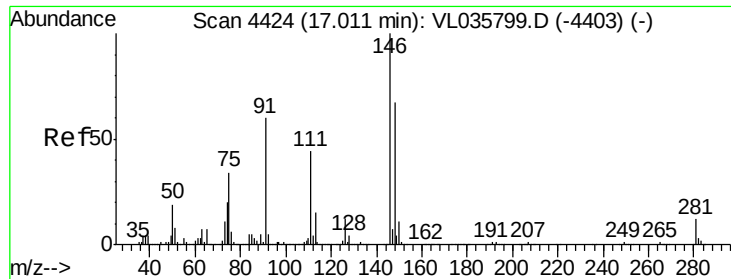
0

16.70

16.80

Time-->





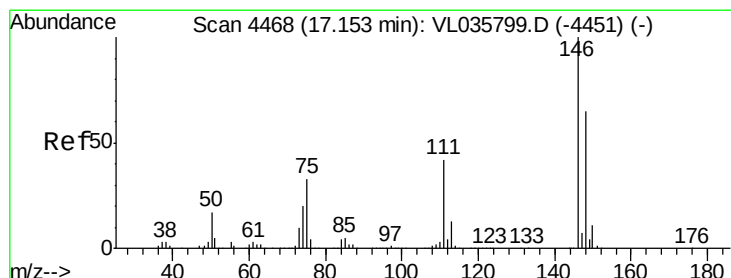
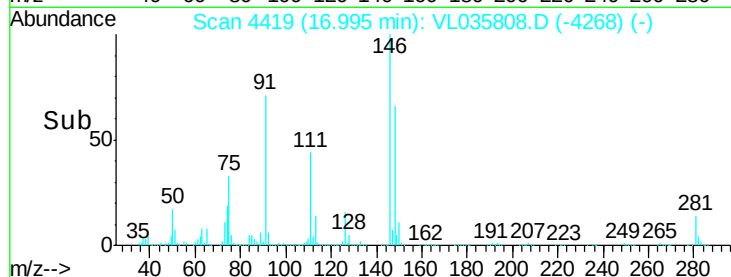
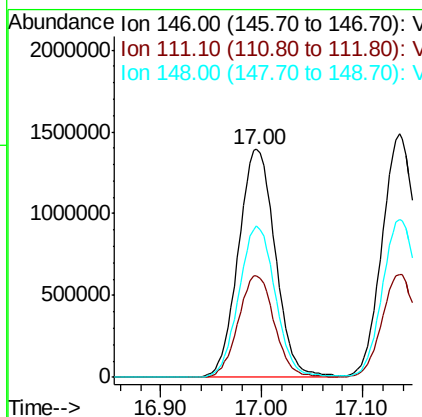
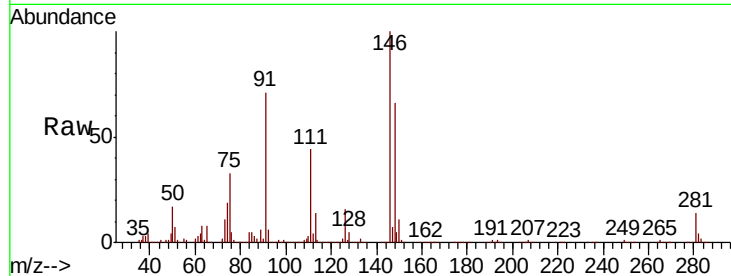
#75
1,3-Dichlorobenzene
Concen: 8.344 ppbv
RT: 17.00 min Scan# 4419
Delta R.T. -0.02 min
Lab File: VL035808.D
Acq: 3 Nov 2020 17:24

Instrument :
MSVOA_L
ClientSampleId :
VL1103ABS01

Tot Ion:146 Resp: 3533018
Ion Ratio Lower Upper
146 100
111 43.7 21.8 65.4
148 65.6 32.5 97.5

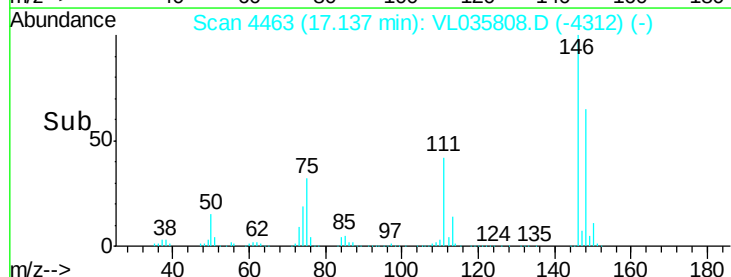
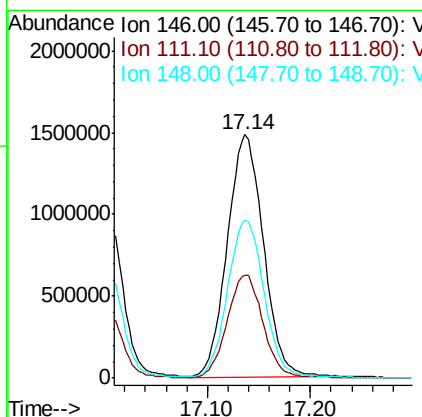
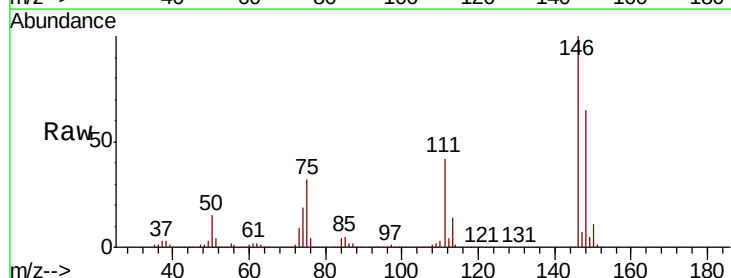
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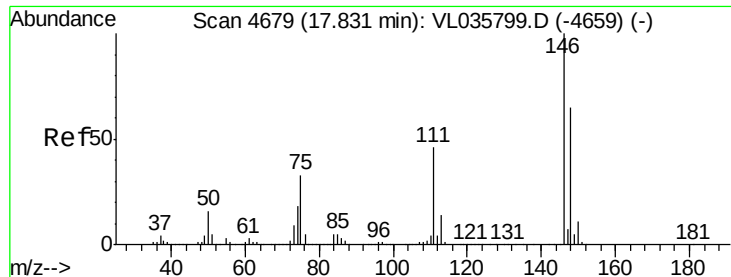
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#76
1,4-Dichlorobenzene
Concen: 8.825 ppbv
RT: 17.14 min Scan# 4463
Delta R.T. -0.02 min
Lab File: VL035808.D
Acq: 3 Nov 2020 17:24

Tgt Ion:146 Resp: 3604511
Ion Ratio Lower Upper
146 100
111 42.9 21.3 63.7
148 66.6 33.0 99.0





#77

1,2-Dichlorobenzene

Concen: 8.566 ppbv

RT: 17.82 min Scan# 4674

Delta R.T. -0.02 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

Instrument :

MSVOA_L

ClientSampled :

VL1103ABS01

Tot Ion:146 Resp: 353510

Ion Ratio Lower Upper

146 100

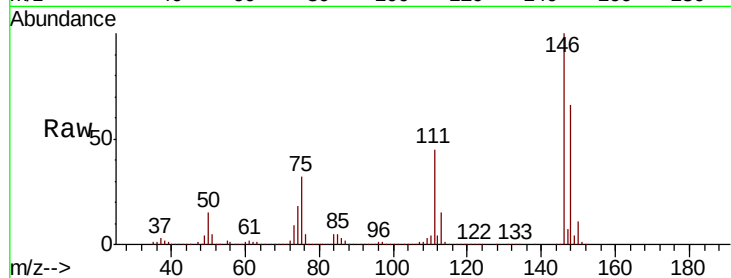
111 44.2 22.4 67.0

148 65.5 32.5 97.5

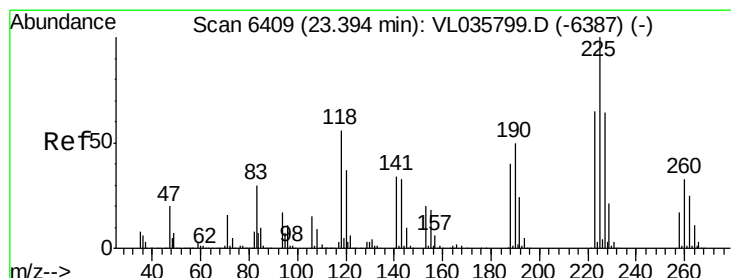
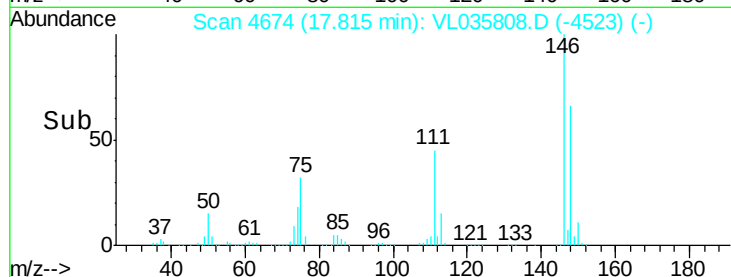
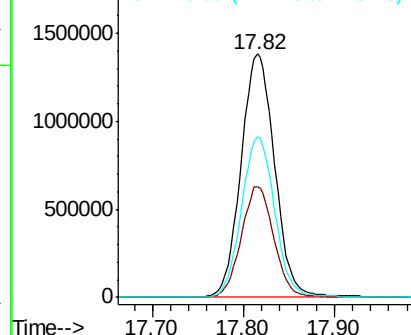
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.287 ppbv

RT: 23.38 min Scan# 6404

Delta R.T. -0.02 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

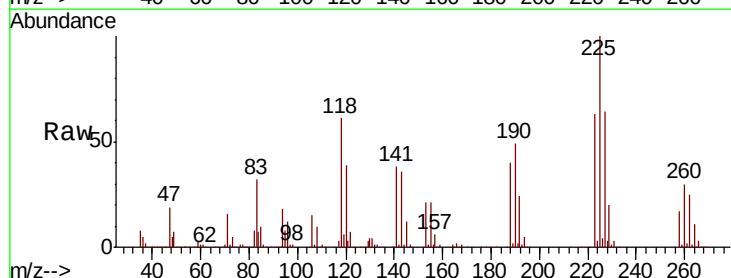
Tgt Ion:225 Resp: 1595867

Ion Ratio Lower Upper

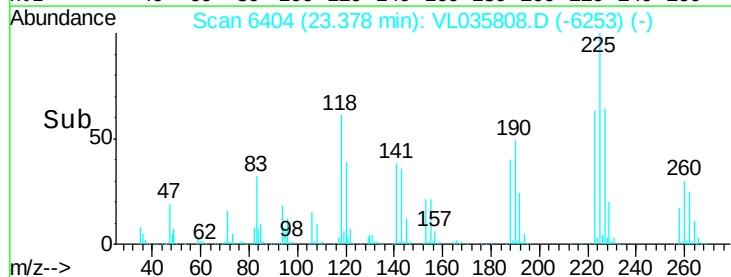
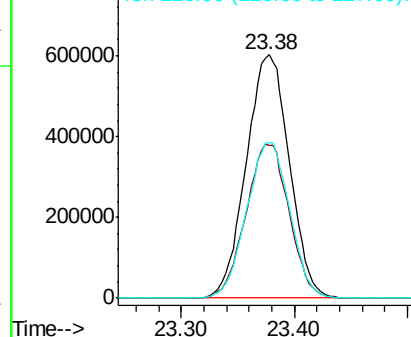
225 100

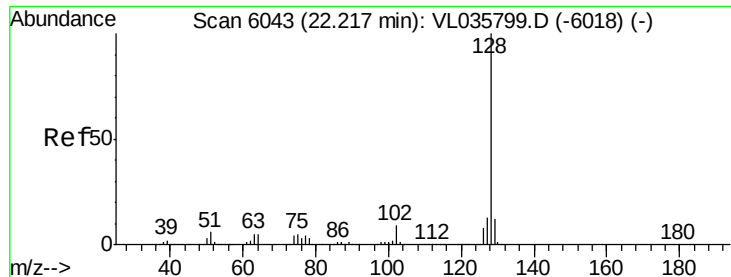
223 63.3 51.0 76.6

227 63.9 51.2 76.8



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





#79

Naphthalene

Concen: 10.997 ppbv

RT: 22.19 min Scan# 6036

Delta R.T. -0.02 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

Instrument :

MSVOA_L

ClientSampleId :

VL1103ABS01

Tot Ion:128 Resp: 5097745

Ion Ratio Lower Upper

128 100

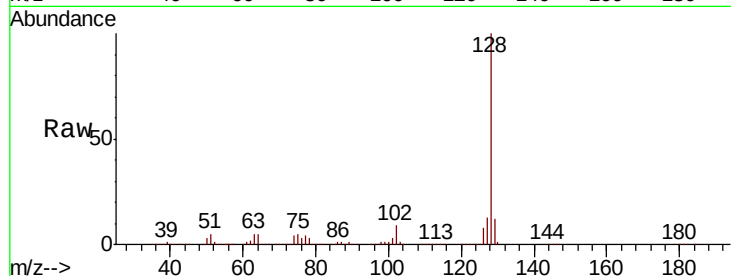
127 12.7 10.2 15.4

129 11.6 9.2 13.8

Manual Integrations
APPROVED

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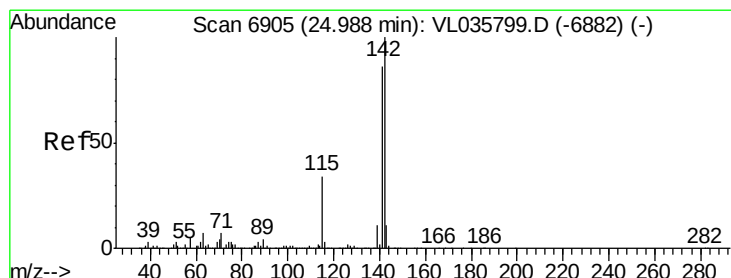
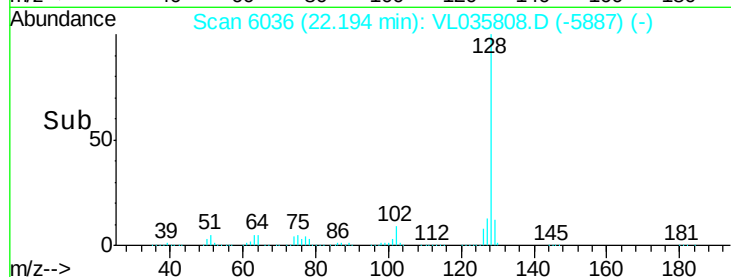
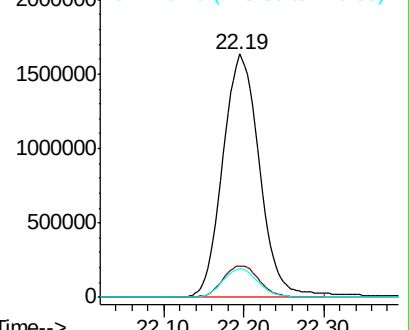
11/5/2020 2:13:41 PM



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: 19.153 ppbv

RT: 24.97 min Scan# 6900

Delta R.T. -0.02 min

Lab File: VL035808.D

Acq: 3 Nov 2020 17:24

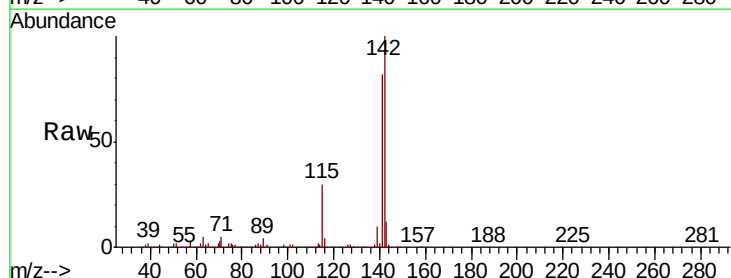
Tgt Ion:142 Resp: 1446903

Ion Ratio Lower Upper

142 100

141 83.6 67.8 101.8

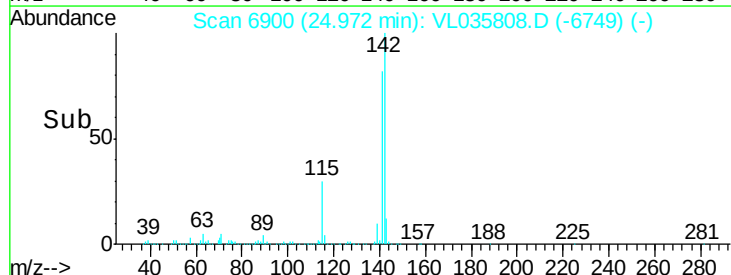
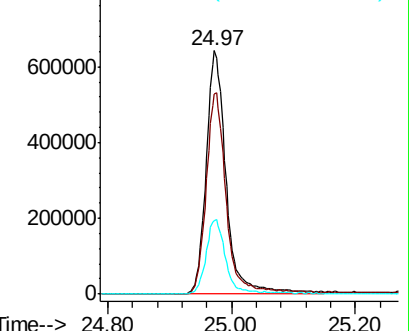
115 31.0 28.1 42.1

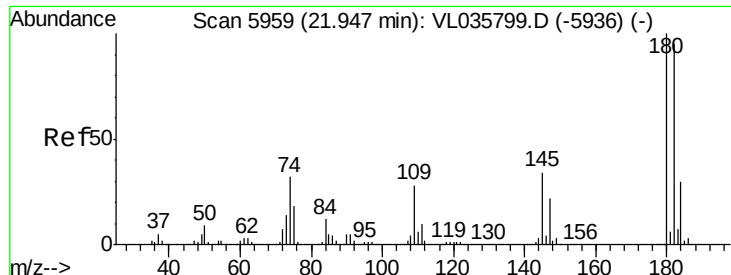


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.762 ppbv
 RT: 21.93 min Scan# 5953
 Delta R.T. -0.02 min
 Lab File: VL035808.D
 Acq: 3 Nov 2020 17:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1103ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	77.2	115.8
184	31.2	24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:13:41 PM

