

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111020\
 Data File : VL035894.D
 Acq On : 10 Nov 2020 17:50
 Operator : SY/AP
 Sample : VL1110ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1110ABS01

Manual Integrations
 APPROVED

MMDadoda
 11/12/2020 9:03:14 AM

Quant Time: Nov 11 01:32:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 0
 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	5.66	49	1148753	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4404639	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4381437m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3208044	10.31	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	1709895	7.906 ppbv	99
3) Chlorodifluoromethane	2.98	51	1270960	9.239 ppbv	99
4) Chloromethane	3.13	50	634007	9.487 ppbv	99
5) Vinyl Chloride	3.25	62	782877	9.190 ppbv	98
6) Bromomethane	3.46	94	640331	9.346 ppbv	99
7) Chloroethane	3.55	64	291321	9.716 ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	2248365	9.084 ppbv	98
9) Propene	3.00	41	473282	9.400 ppbv	99
10) Heptane	8.12	43	1373171	9.874 ppbv	99
11) Trichlorofluoromethane	3.94	101	2684688	9.886 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1965993	9.723 ppbv	100
13) Ethanol	3.59	45	76332	6.988 ppbv	96
14) Bromoethene	3.73	108	840548	9.033 ppbv	99
15) Acetone	3.84	43	1096292	8.927 ppbv	98
16) 1,3-Butadiene	3.31	39	504503	9.541 ppbv	98
17) tert-Butyl alcohol	4.28	59	1453083	8.928 ppbv	100
18) 1,1-Dichloroethene	4.28	96	882517	9.506 ppbv	95
19) Isopropyl Alcohol	3.96	45	685635	9.085 ppbv	99
20) Methylene Chloride	4.33	84	720326	8.332 ppbv	99
21) Allyl Chloride	4.40	41	652636	9.827 ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	912370	9.695 ppbv	98
23) Vinyl Acetate	5.07	43	1566117	9.097 ppbv	99
24) 1,1-Dichloroethane	5.00	63	1541804	9.401 ppbv	99
25) Ethyl Acetate	5.67	43	2305680	9.530 ppbv	99
26) Hexane	5.68	57	1231186	9.227 ppbv	99
27) Carbon Disulfide	4.54	76	1902205	9.514 ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	2113512	8.821 ppbv	100
29) Chloroform	5.74	83	2437595	9.295 ppbv	97
30) Cyclohexane	7.12	84	1290617	8.881 ppbv	97
31) cis-1,2-Dichloroethene	5.54	61	1290110	9.399 ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2402452	8.779 ppbv	99
34) 2-Butanone	5.24	43	1474495	10.315 ppbv	98
35) Carbon Tetrachloride	7.01	117	2392433	10.166 ppbv	98
36) Benzene	6.89	78	3056445	9.334 ppbv	98
37) 1,2-Dichloroethane	6.30	62	1541674	10.392 ppbv	98
38) Trichloroethene	7.83	130	1431905	8.952 ppbv	99
39) 1,2-Dichloropropane	7.61	63	1077483	9.773 ppbv	99
40) 1,4-Dioxane	7.83	88	483726	9.258 ppbv	90
41) Tetrahydrofuran	6.04	42	865401	10.656 ppbv	98
42) Bromodichloromethane	7.79	83	2485987	9.931 ppbv	99
43) Methyl Methacrylate	8.01	69	1249785	10.006 ppbv	97

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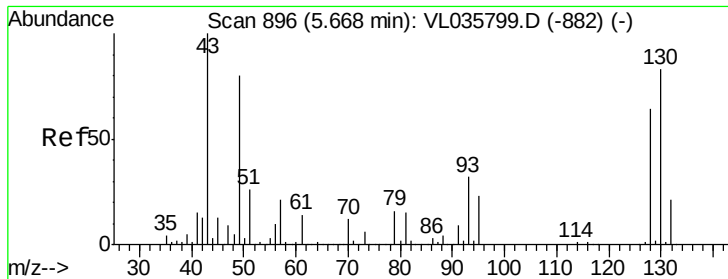
Manual Integrations
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MMDadoda
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Quant Time: Nov 11 01:32:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 0
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4210140	9.716	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1336519	10.094	ppbv	97
46) cis-1,3-Dichloropropene	8.70	75	1671860	9.970	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1414201	9.414	ppbv	99
48) Dibromochloromethane	10.30	129	2349495	10.238	ppbv	100
49) Bromoform	13.04	173	1974566	10.196	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2298362	10.515	ppbv	98
51) 2-Hexanone	10.13	43	1860816	10.597	ppbv	98
52) Tetrachloroethene	11.22	164	1337334	8.620	ppbv	99
53) Toluene	9.80	91	3713956	9.400	ppbv	99
54) 1,2-Dibromoethane	10.61	107	2161492	9.461	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.12	131	1816454	9.237	ppbv #	93
57) Chlorobenzene	12.15	112	3022945	8.677	ppbv	100
58) Ethyl Benzene	12.71	91	4808993	9.012	ppbv	100
59) m/p-Xylene	13.00	91	8143823m	18.038	ppbv	
60) o-Xylene	13.69	91	3978509	9.059	ppbv	99
61) Styrene	13.53	104	2962807	9.207	ppbv	99
62) Isopropylbenzene	14.67	105	5995322	8.685	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2801670	8.233	ppbv	100
64) n-propylbenzene	15.56	120	1745717	8.749	ppbv	97
65) tert-Butylbenzene	16.74	119	5326935	8.478	ppbv	99
66) Benzyl Chloride	16.99	91	1782320	8.582	ppbv	99
67) sec-Butylbenzene	17.29	105	7218315	8.525	ppbv	99
69) p-Isopropyltoluene	17.65	119	5946561	8.510	ppbv	100
70) n-Butylbenzene	18.55	91	5791061	8.606	ppbv	100
71) 2-Chlorotoluene	15.46	91	4448194	8.810	ppbv	99
72) 4-Ethyltoluene	15.84	105	4693960	8.812	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	4318288	8.859	ppbv	98
74) 1,2,4-Trimethylbenzene	16.76	105	4468987	8.556	ppbv	100
75) 1,3-Dichlorobenzene	17.00	146	2798576	8.415	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2713086	8.457	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2706369	8.348	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1294987	8.561	ppbv	99
79) Naphthalene	22.20	128	3043419	8.358	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	517543	8.722	ppbv	95
81) 1,2,4-Trichlorobenzene	21.93	180	1655406	8.137	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

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ClientSampleId :

VL1110ABS01

Tot Ion: 49 Resp: 1148753

Ion Ratio Lower Upper

49 100

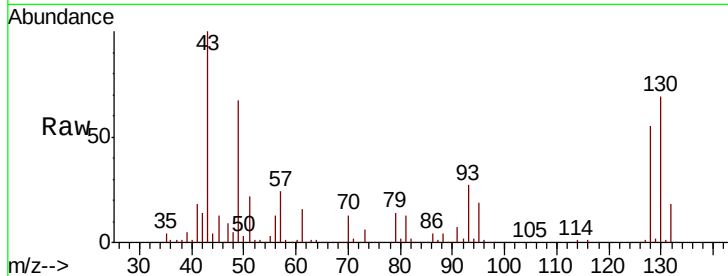
128 82.3 41.5 124.6

130 106.6 53.7 161.1

Manual Integrations
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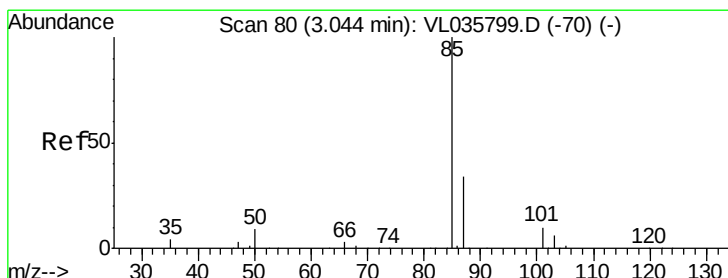
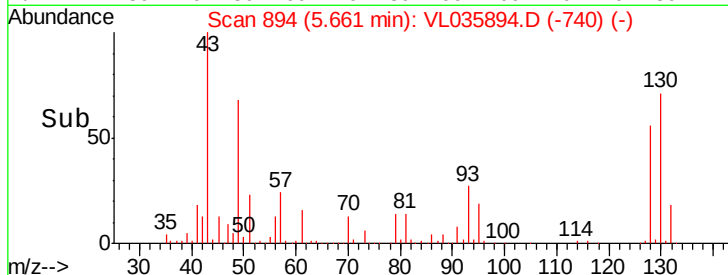
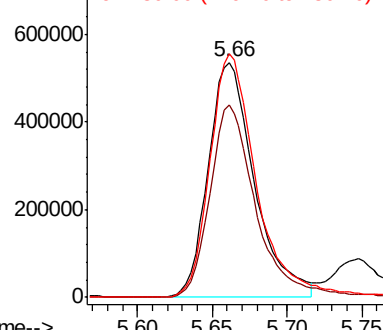
11/12/2020 9:03:14 AM



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: 7.906 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL035894.D

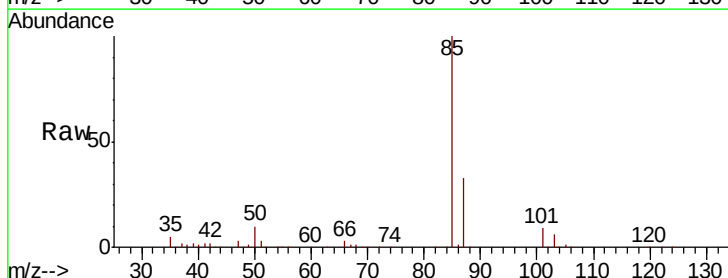
Acq: 10 Nov 2020 17:50

Tgt Ion: 85 Resp: 1709895

Ion Ratio Lower Upper

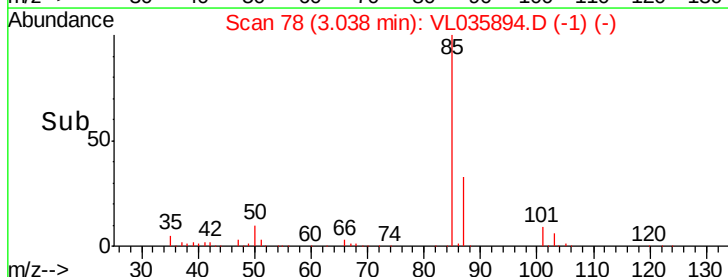
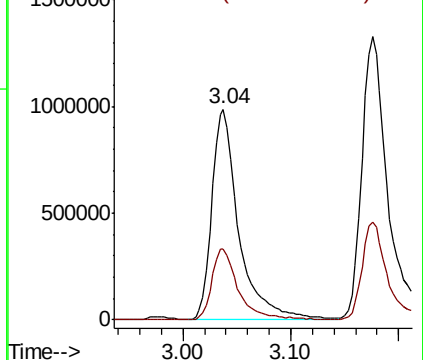
85 100

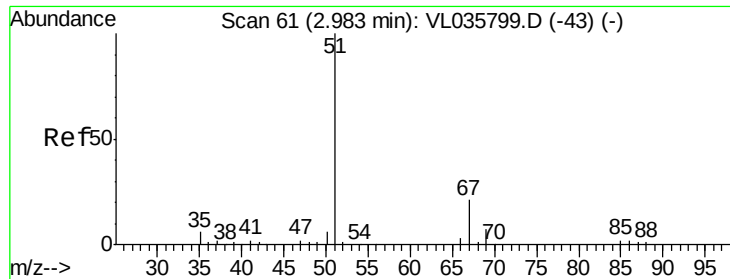
87 33.5 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.239 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Tot Ion: 51 Resp: 1270960

Ion Ratio Lower Upper

51 100

67 21.7 17.0 25.4

Instrument :

MSVOA_L

ClientSampleId :

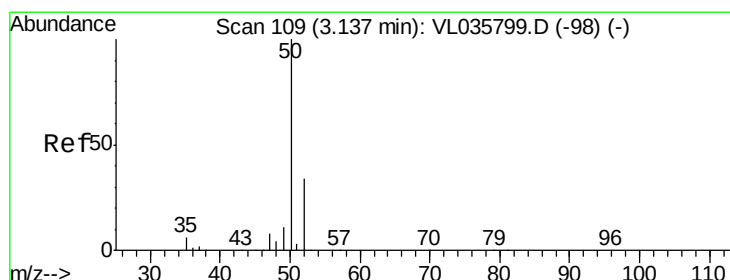
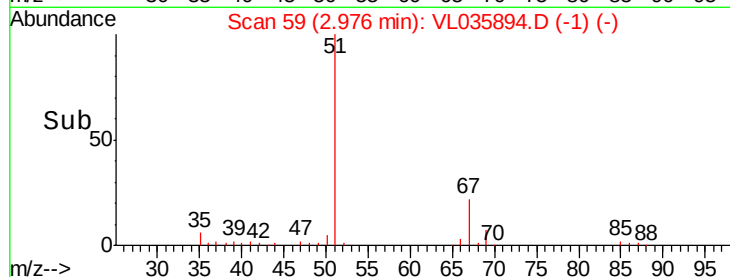
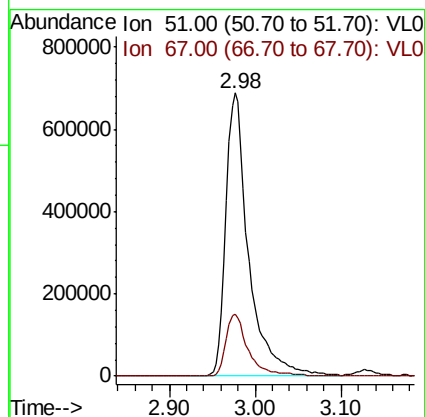
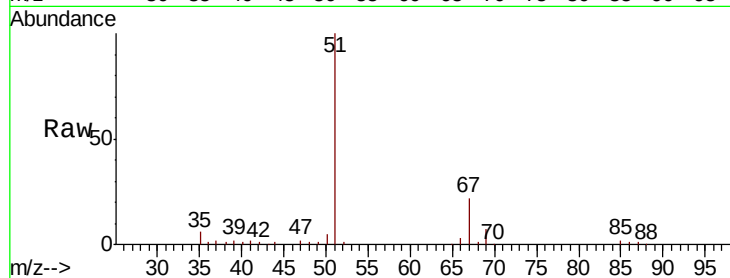
VL1110ABS01

Manual Integrations

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#4

Chloromethane

Concen: 9.487 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.01 min

Lab File: VL035894.D

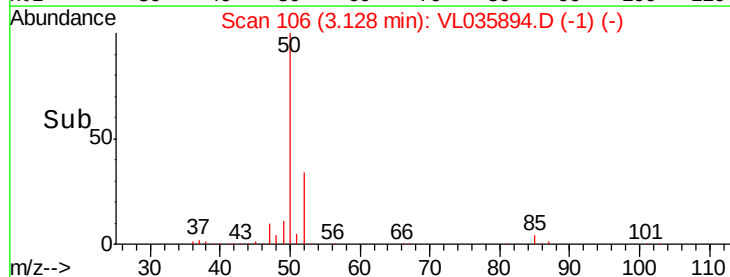
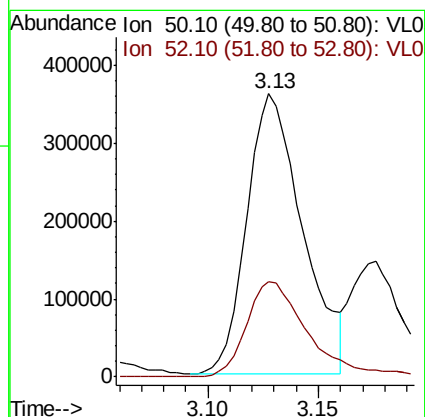
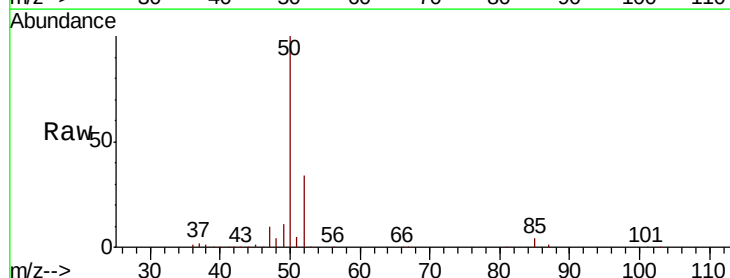
Acq: 10 Nov 2020 17:50

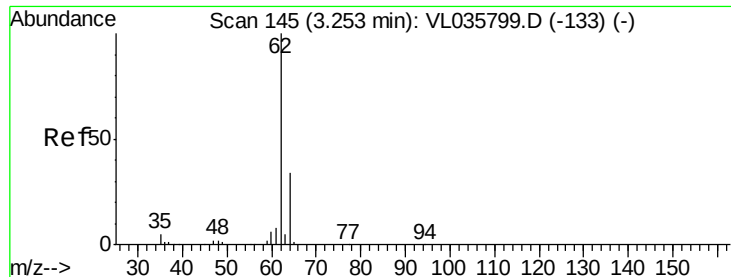
Tgt Ion: 50 Resp: 634007

Ion Ratio Lower Upper

50 100

52 34.2 27.1 40.7





#5

Vinyl Chloride

Concen: 9.190 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VL1110ABS01

Tot Ion: 62 Resp: 782877

Ion Ratio Lower Upper

62 100

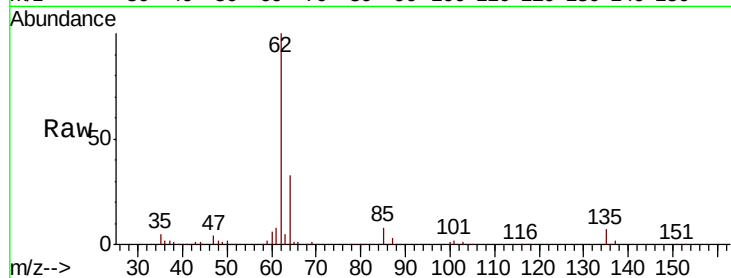
64 32.7 26.9 40.3

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

400000

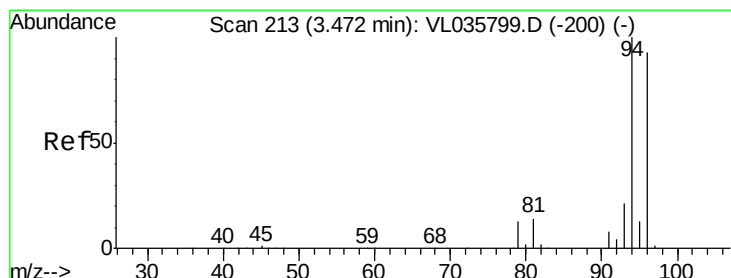
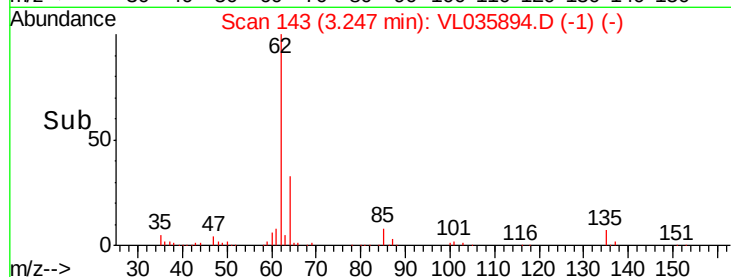
300000

200000

100000

0

Time--> 3.15 3.20 3.25 3.30 3.35



#6

Bromomethane

Concen: 9.346 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL035894.D

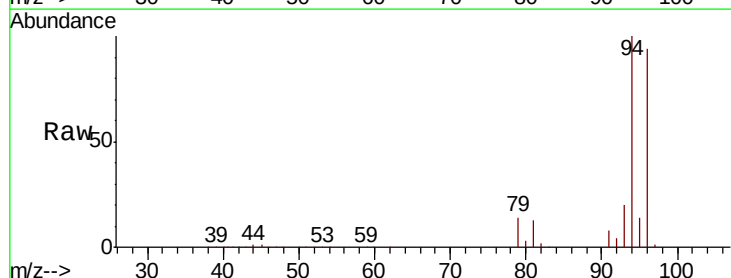
Acq: 10 Nov 2020 17:50

Tgt Ion: 94 Resp: 640331

Ion Ratio Lower Upper

94 100

96 93.7 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

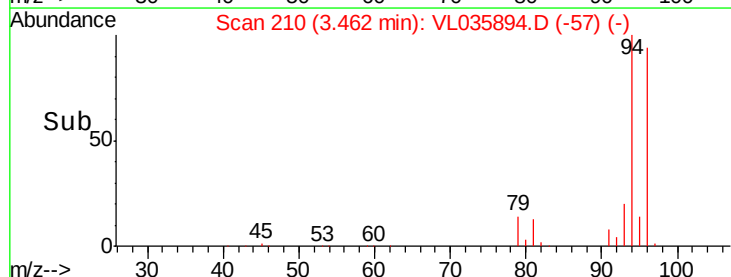
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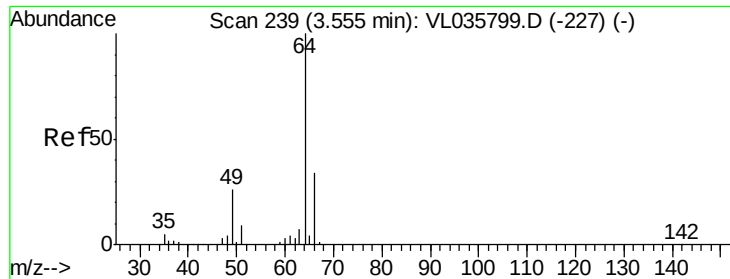
200000

100000

0

Time--> 3.40 3.50 3.60





#7

Chloroethane

Concen: 9.716 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VL1110ABS01

Tot Ion: 64 Resp: 291321

Ion Ratio Lower Upper

64 100

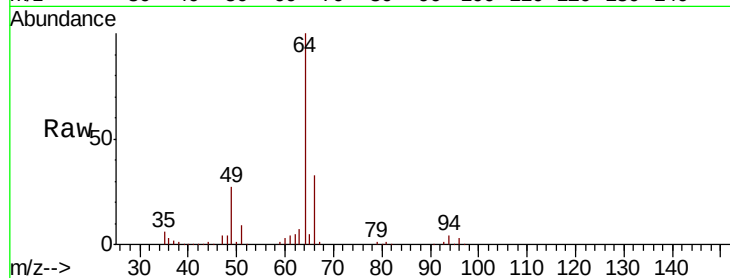
66 33.0 27.0 40.6

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

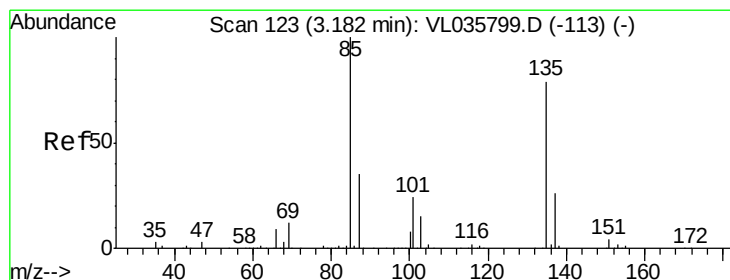
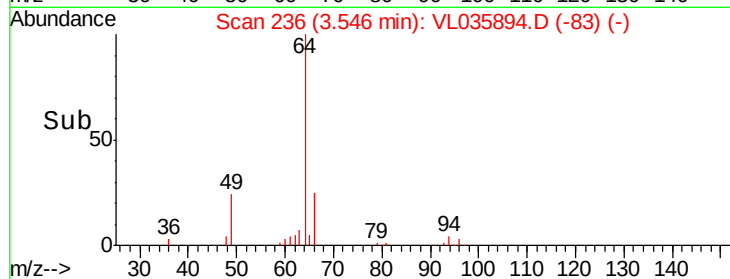
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.084 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL035894.D

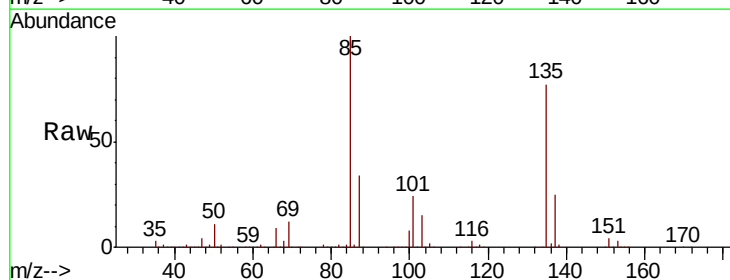
Acq: 10 Nov 2020 17:50

Tgt Ion: 85 Resp: 2248365

Ion Ratio Lower Upper

85 100

135 79.2 64.6 96.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

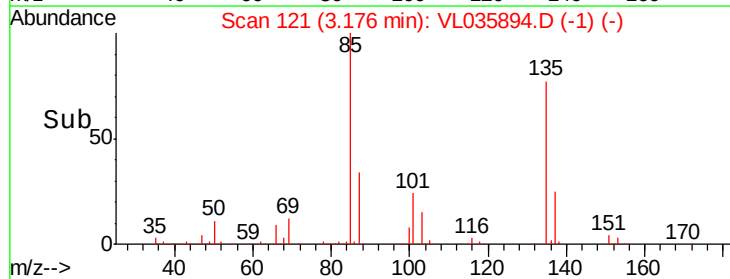
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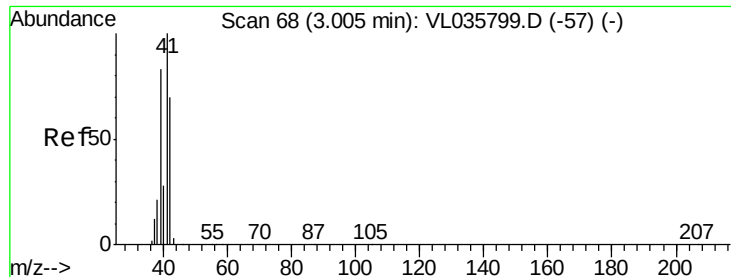
1000000

500000

0

Time-->





#9

Propene

Concen: 9.400 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VL1110ABS01

Tot Ion: 41 Resp: 473282

Ion Ratio Lower Upper

41 100

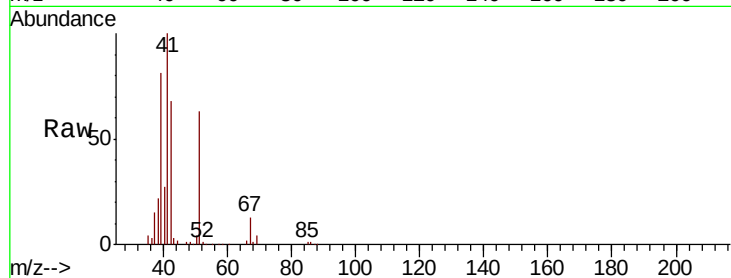
42 70.9 56.2 84.4

Manual Integrations

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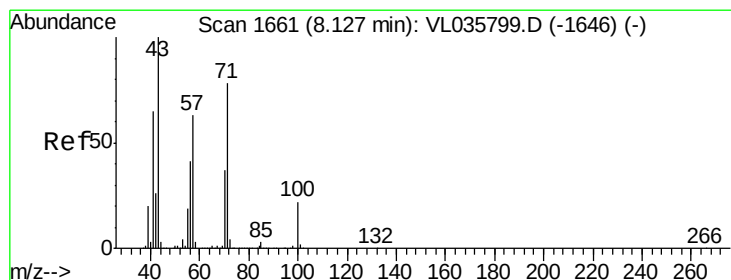
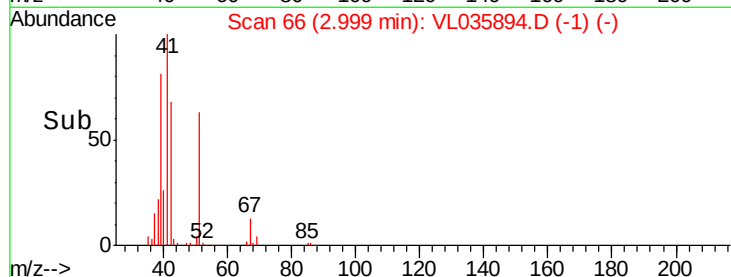
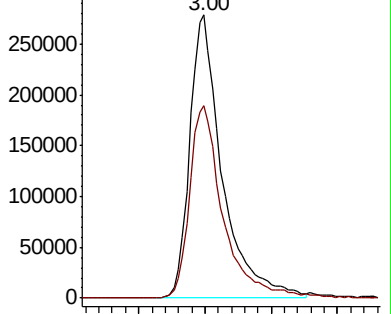
MMDadoda

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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: 9.874 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VL035894.D

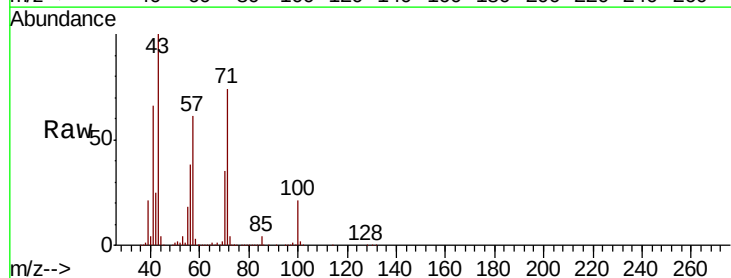
Acq: 10 Nov 2020 17:50

Tgt Ion: 43 Resp: 1373171

Ion Ratio Lower Upper

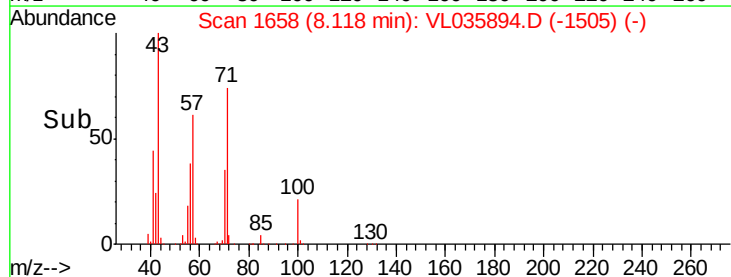
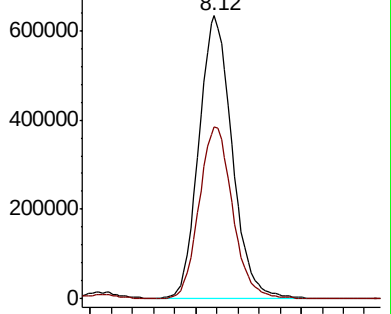
43 100

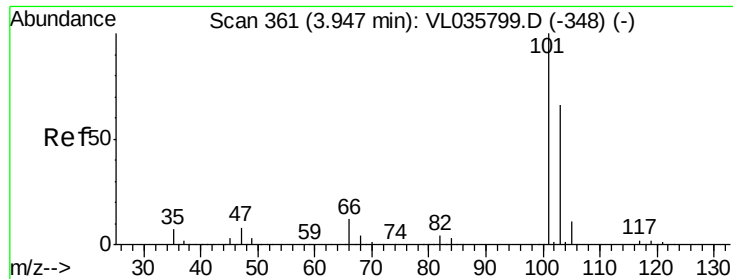
57 61.9 50.0 75.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





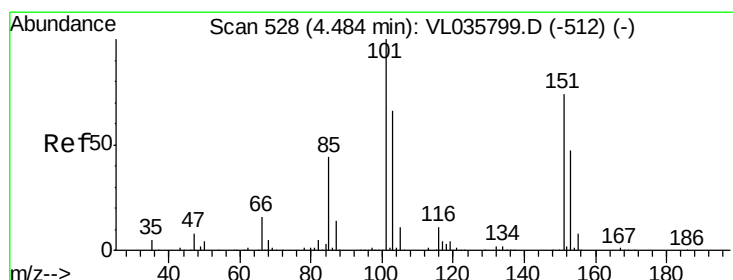
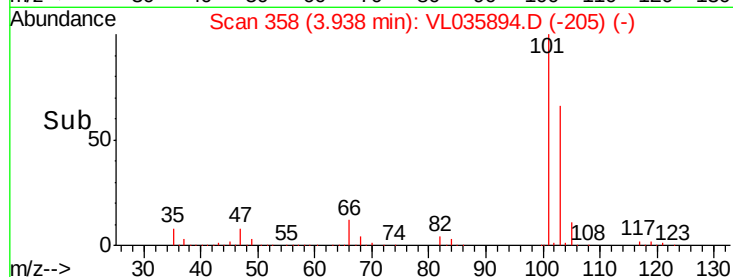
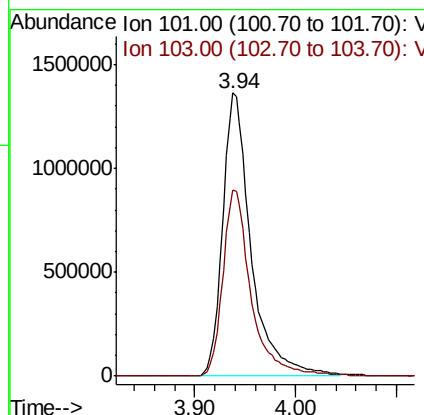
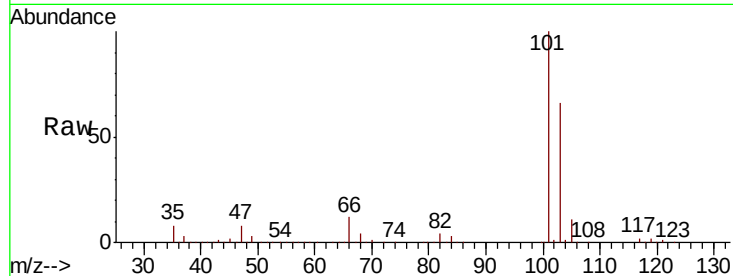
#11
 Trichlorofluoromethane
 Concen: 9.886 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.01 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1110ABS01

Tot Ion:101 Resp: 2684688
 Ion Ratio Lower Upper
 101 100
 103 65.8 53.0 79.4

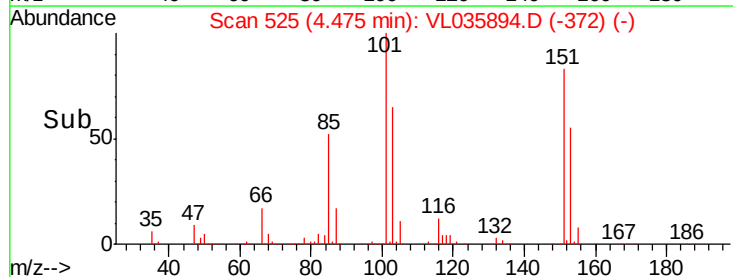
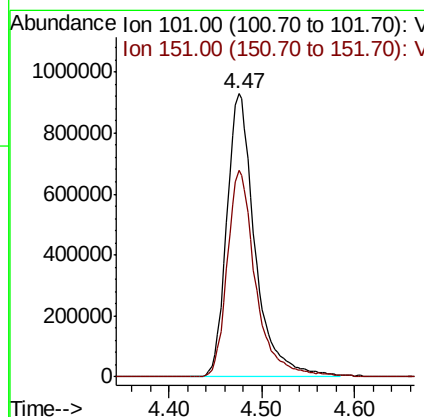
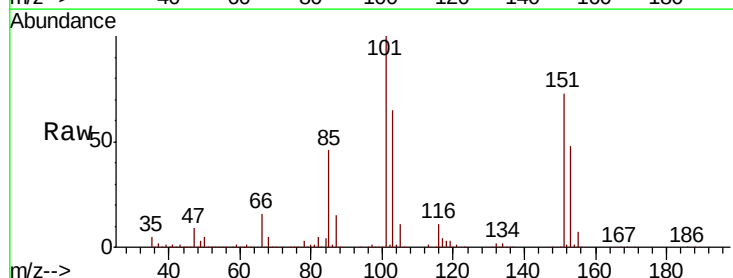
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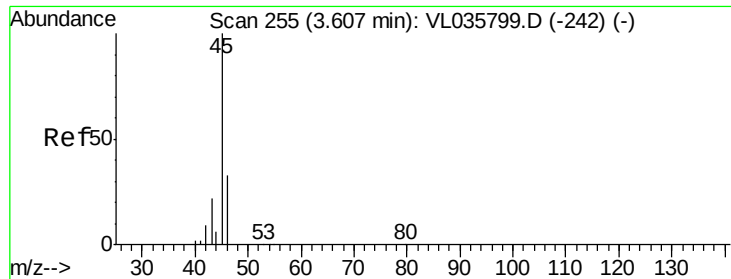
MMDadoda
 11/12/2020 9:03:14 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.723 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.01 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Tgt Ion:101 Resp: 1965993
 Ion Ratio Lower Upper
 101 100
 151 73.7 58.9 88.3





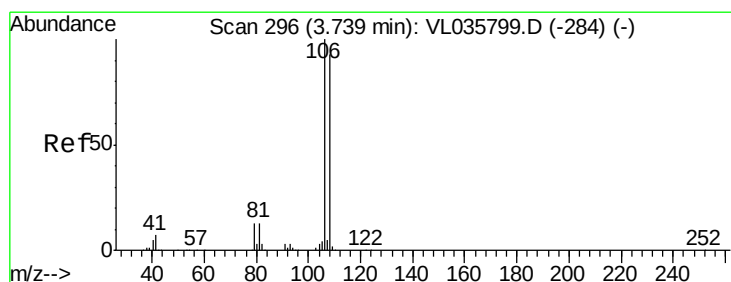
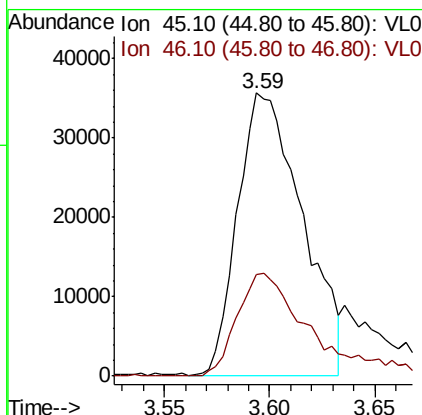
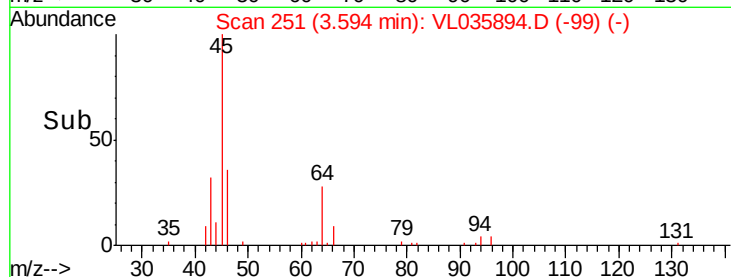
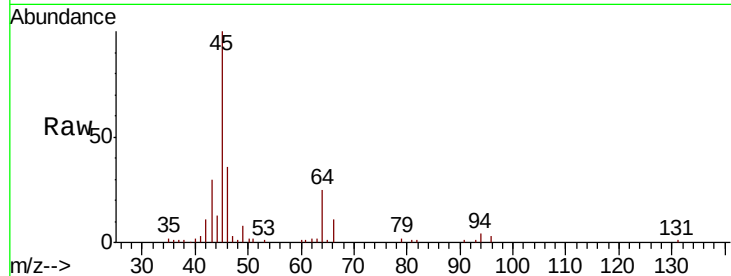
#13
Ethanol
Concen: 6.988 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VL1110ABS01

Tot Ion	45	46	Ratio	Lower	Upper
45	100				
46	42.9		16.1	64.5	

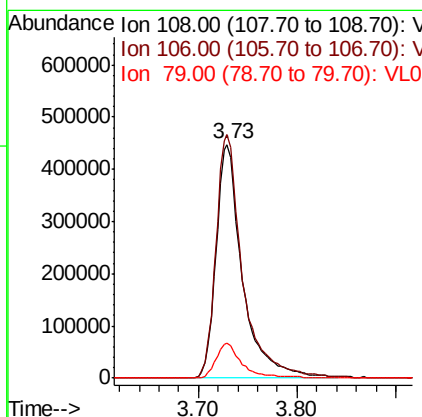
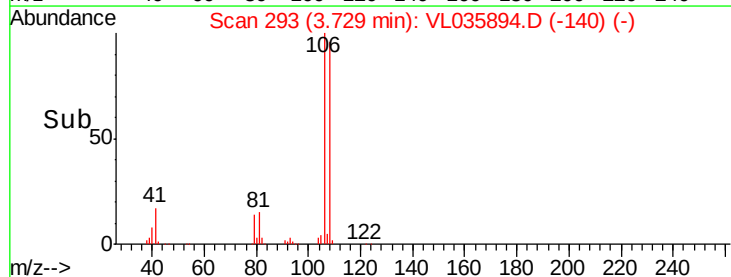
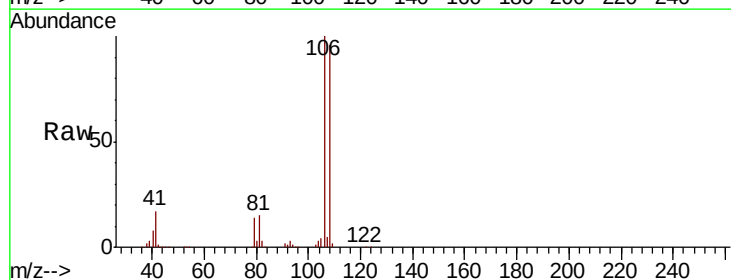
Manual Integrations
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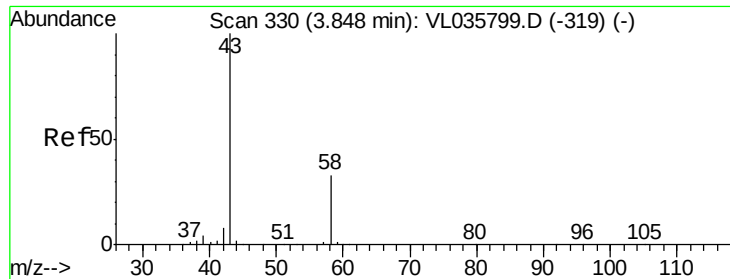
MMDadoda
11/12/2020 9:03:14 AM



#14
Bromoethene
Concen: 9.033 ppbv
RT: 3.73 min Scan# 293
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Tgt Ion	108	106	79	Ratio	Lower	Upper
108	100					
106	105.5			85.3	127.9	
79	15.2			11.6	17.4	





#15

Acetone

Concen: 8.927 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VL1110ABS01

Tot Ion: 43 Resp: 1096292

Ion Ratio Lower Upper

43 100

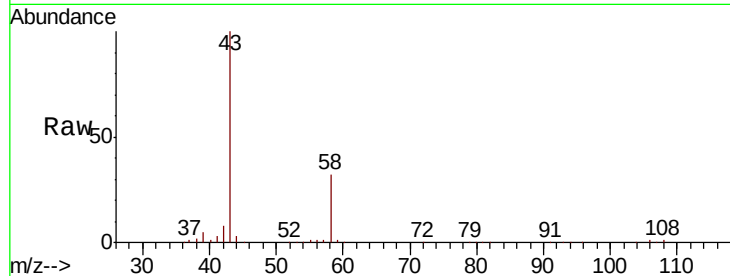
58 33.4 27.5 41.3

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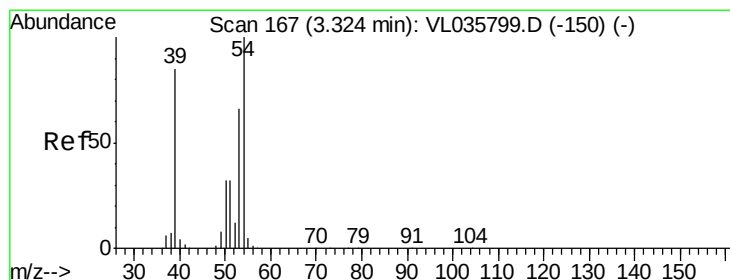
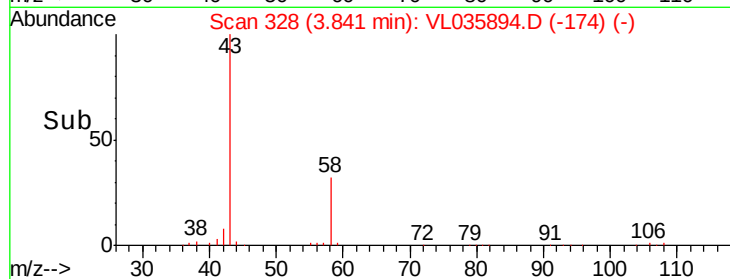
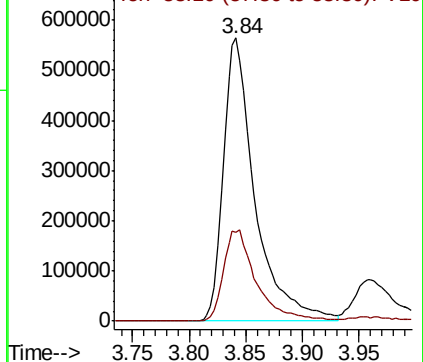
MMDadoda

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.541 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.01 min

Lab File: VL035894.D

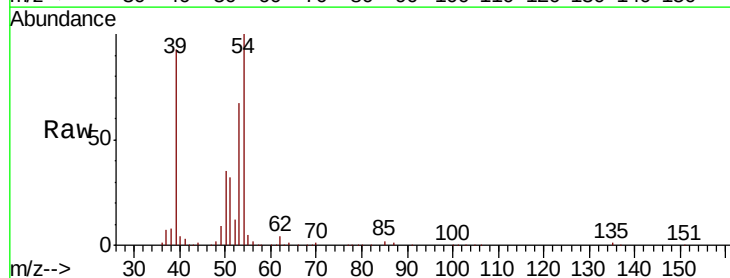
Acq: 10 Nov 2020 17:50

Tgt Ion: 39 Resp: 504503

Ion Ratio Lower Upper

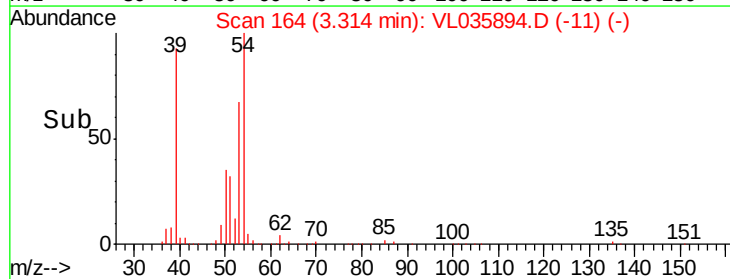
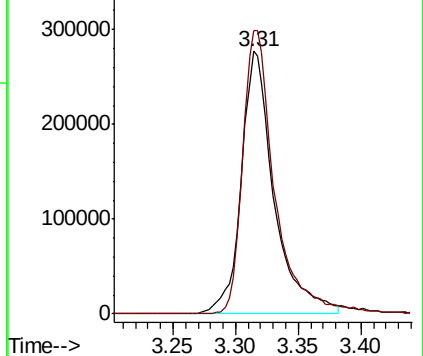
39 100

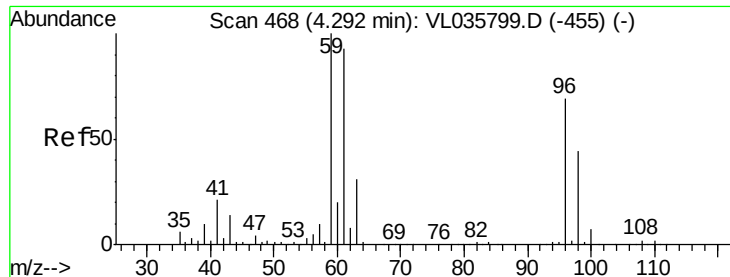
54 106.8 87.1 130.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 8.928 ppbv

RT: 4.28 min Scan# 465

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VL1110ABS01

Tot Ion: 59 Resp: 1453083

Ion Ratio Lower Upper

59 100

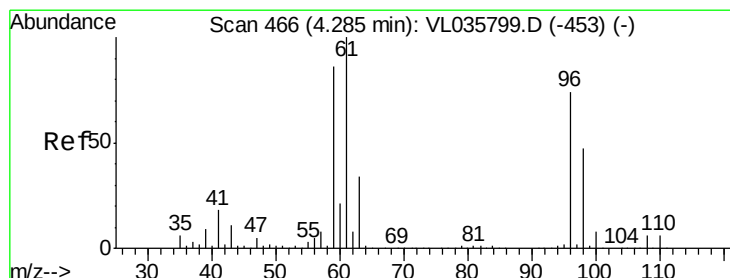
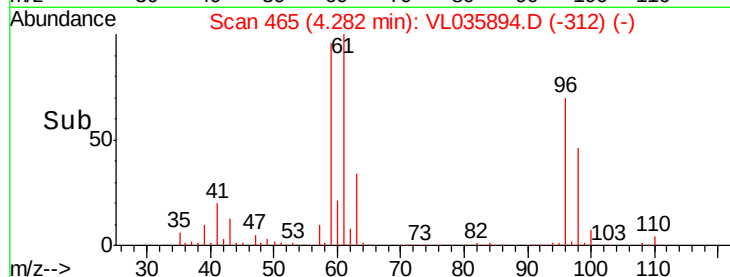
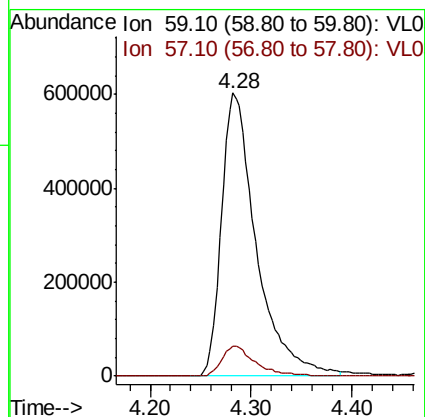
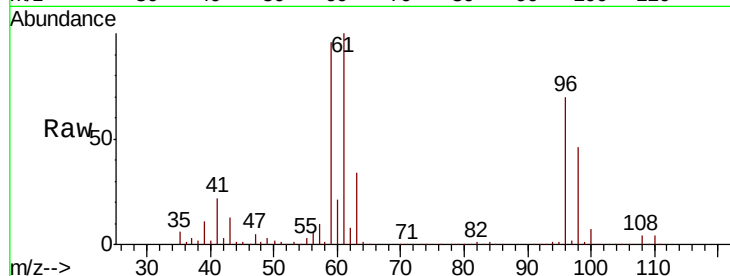
57 10.4 8.2 12.4

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#18

1,1-Dichloroethene

Concen: 9.506 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

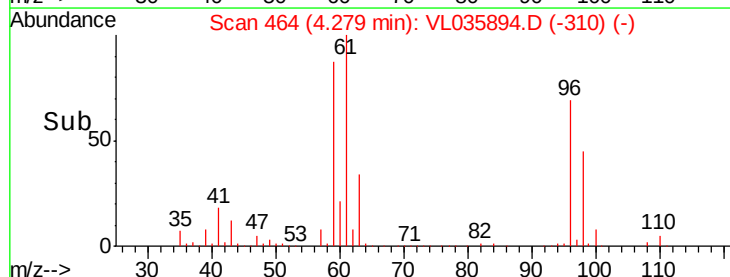
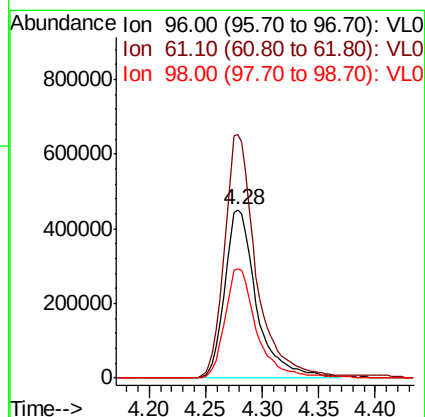
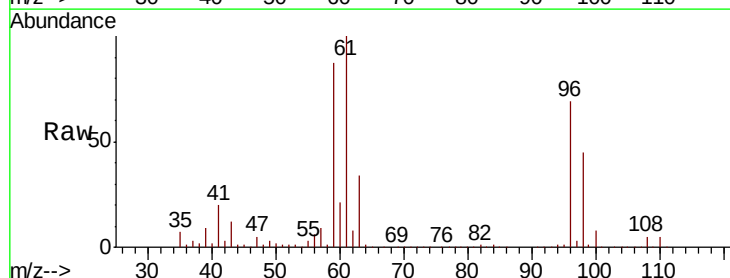
Tgt Ion: 96 Resp: 882517

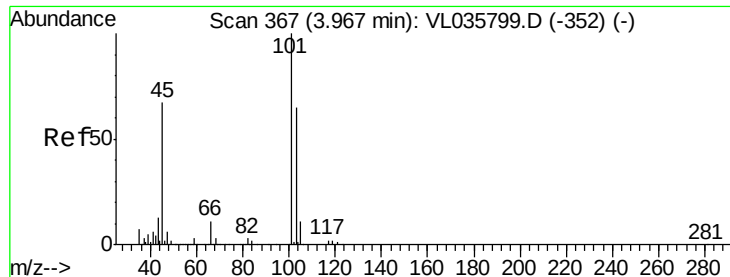
Ion Ratio Lower Upper

96 100

61 144.4 108.5 162.7

98 64.5 50.7 76.1





#19

Isopropyl Alcohol

Concen: 9.085 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VL1110ABS01

Tot Ion: 45 Resp: 685635

Ion Ratio Lower Upper

45 100

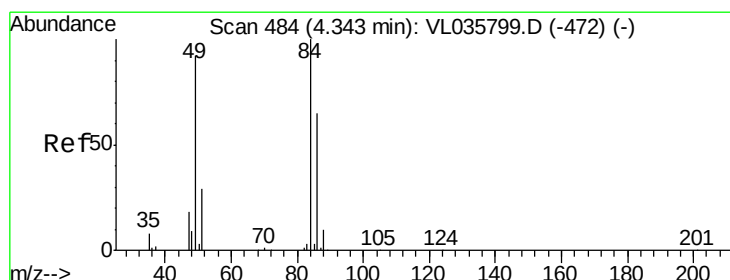
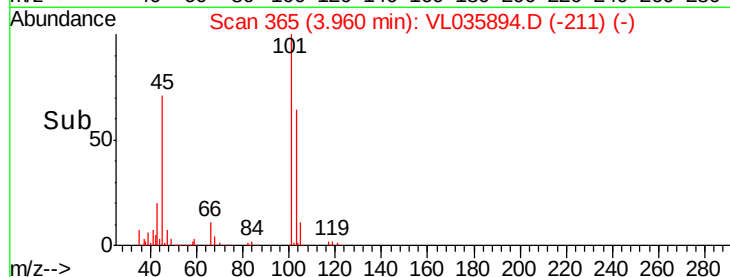
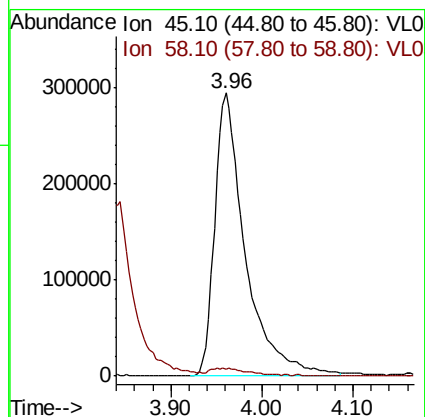
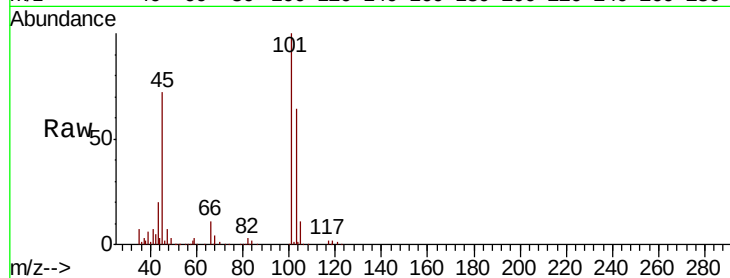
58 3.5 2.6 3.8

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#20

Methylene Chloride

Concen: 8.332 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Tgt Ion: 84 Resp: 720326

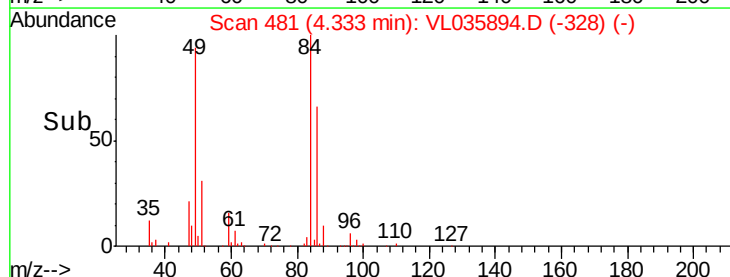
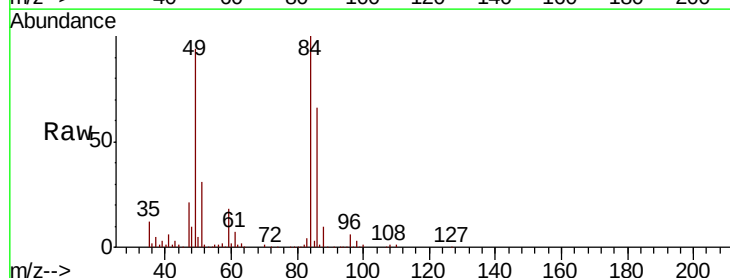
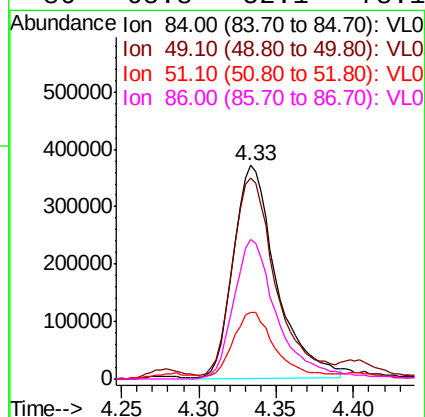
Ion Ratio Lower Upper

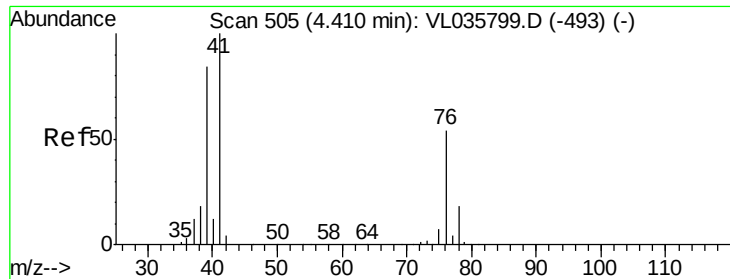
84 100

49 92.1 73.8 110.8

51 29.5 23.0 34.4

86 65.8 52.1 78.1





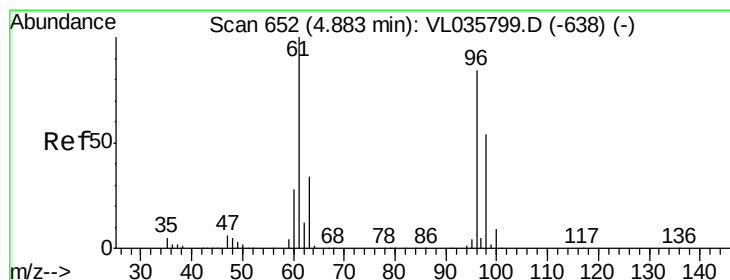
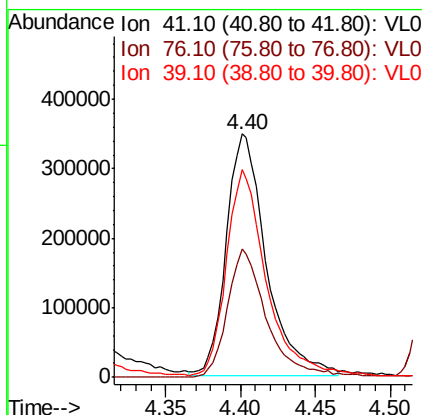
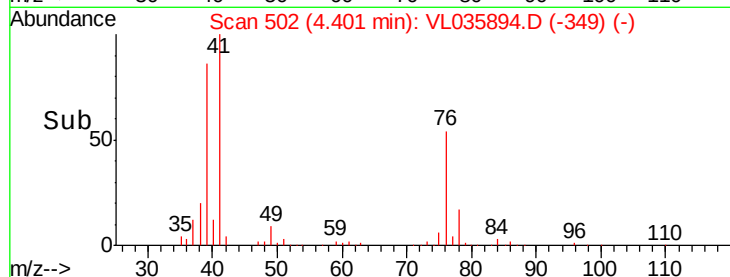
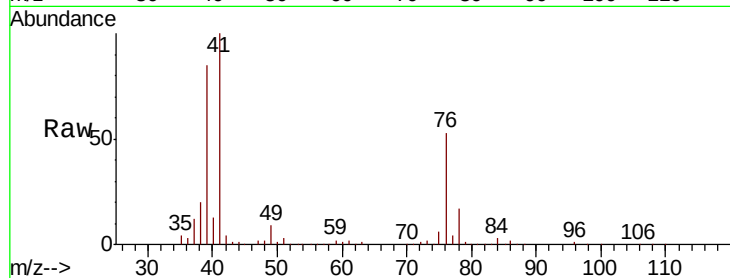
#21
Allvl Chloride
Concen: 9.827 ppbv
RT: 4.40 min Scan# 502
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VL1110ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	52.1	42.6	63.8
39	87.8	67.0	100.4

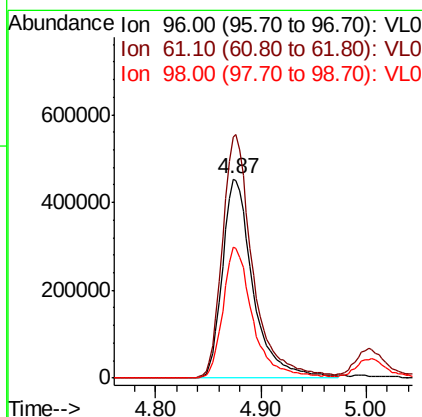
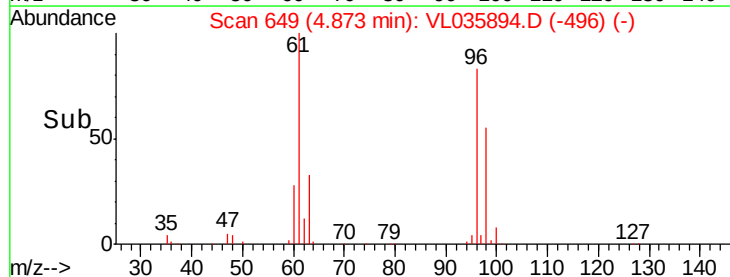
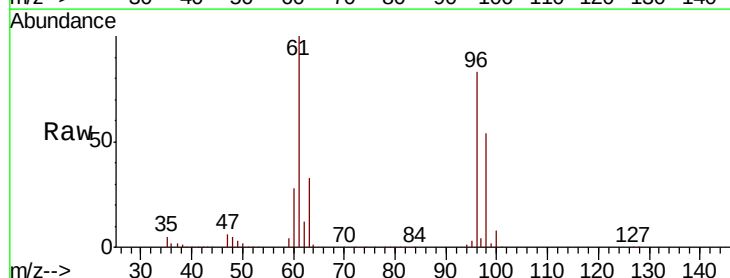
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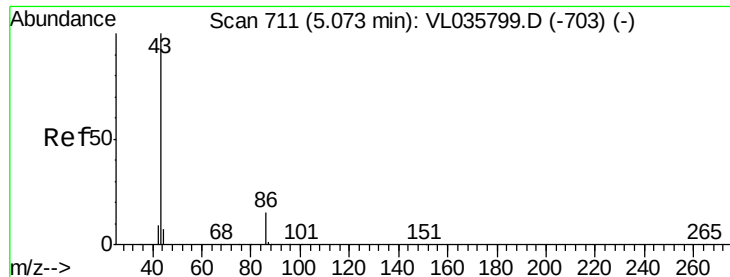
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#22
trans-1,2-Dichloroethene
Concen: 9.695 ppbv
RT: 4.87 min Scan# 649
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	121.0	95.4	143.0
98	65.9	51.8	77.6





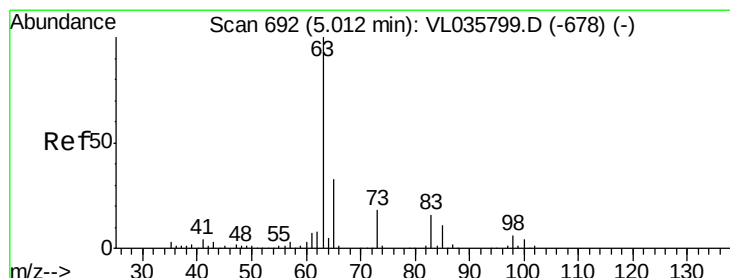
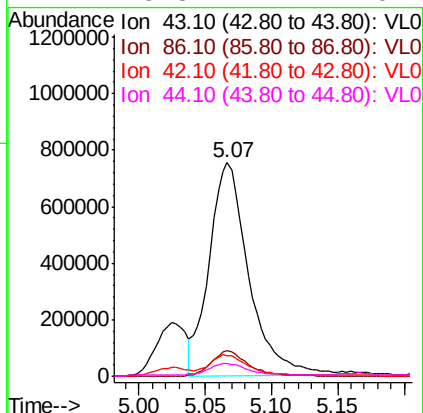
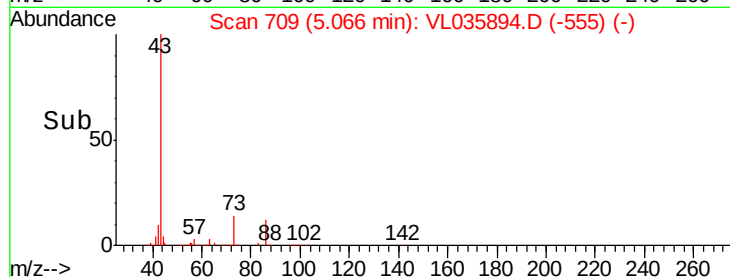
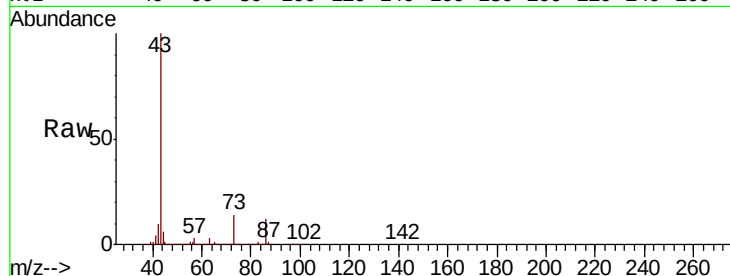
#23
 Vinyl Acetate
 Concen: 9.097 ppbv
 RT: 5.07 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1110ABS01

Tot Ion	43	Resp	1566117
Ion	Ratio	Lower	Upper
43	100		
86	12.0	9.8	14.6
42	9.6	8.1	12.1
44	5.3	4.2	6.4

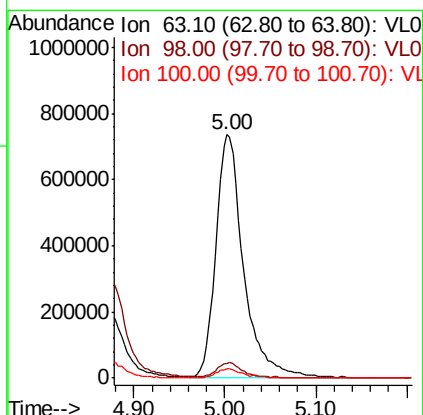
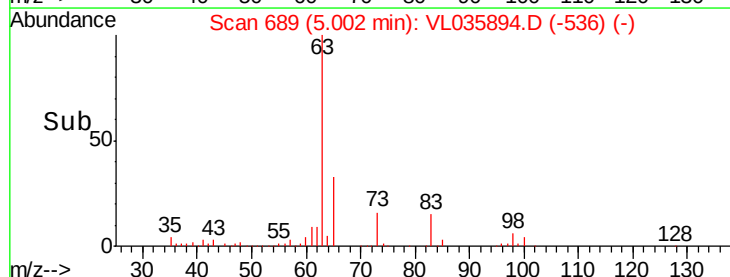
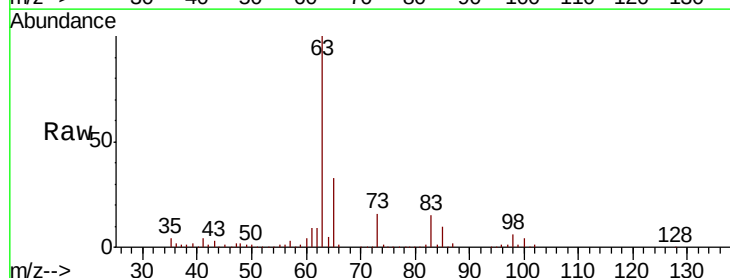
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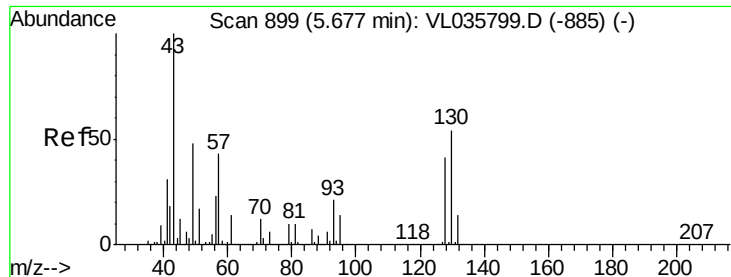
MMDadoda
 11/12/2020 9:03:14 AM



#24
 1,1-Dichloroethane
 Concen: 9.401 ppbv
 RT: 5.00 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Tgt Ion	63	Resp	1541804
Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.0	9.2
100	3.7	1.8	5.4





#25

Ethyl Acetate

Concen: 9.530 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VL1110ABS01

Tot Ion: 43 Resp: 2305680

Ion Ratio Lower Upper

43 100

45 10.6 8.5 12.7

61 13.0 10.7 16.1

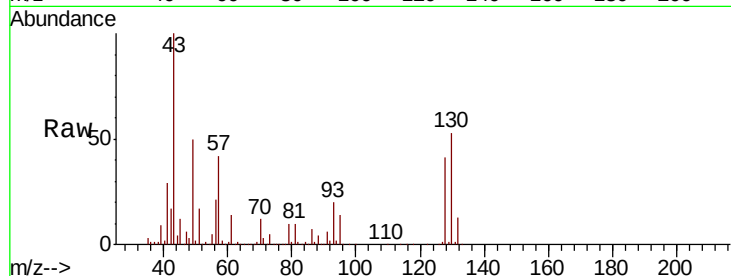
70 10.3 8.6 12.8

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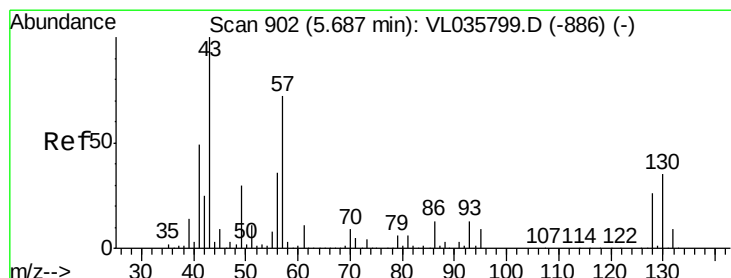
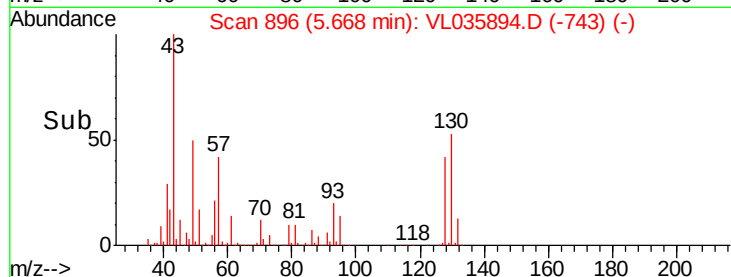
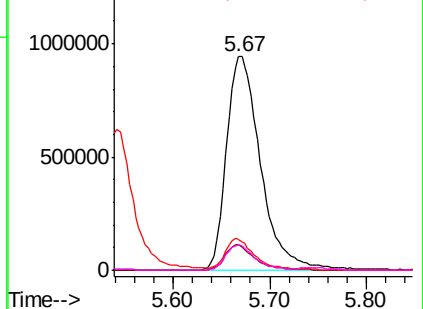
Abundance

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: 9.227 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Tgt Ion: 57 Resp: 1231186

Ion Ratio Lower Upper

57 100

41 75.9 58.9 88.3

43 189.2 150.2 225.2

56 53.5 42.4 63.6

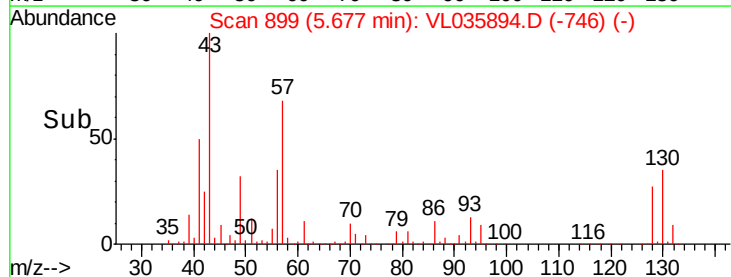
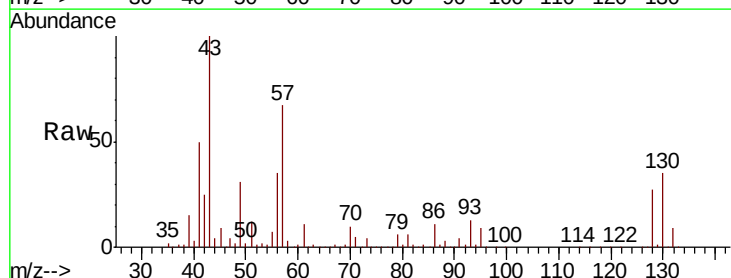
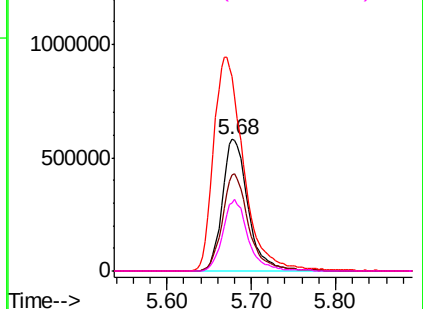
Abundance

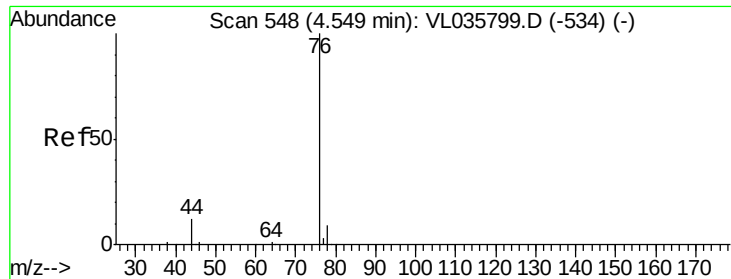
Ion 57.10 (56.80 to 57.80): VL0

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: 9.514 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VL1110ABS01

Tot Ion: 76 Resp: 1902205

Ion Ratio Lower Upper

76 100

44 12.6 9.9 14.9

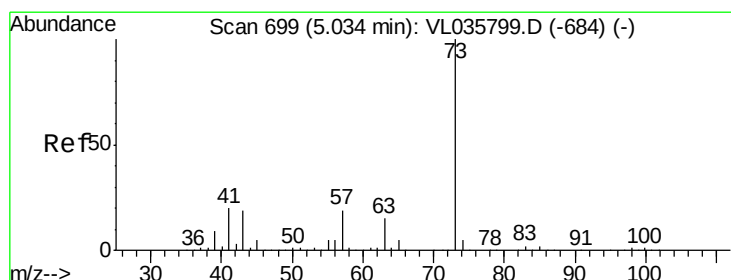
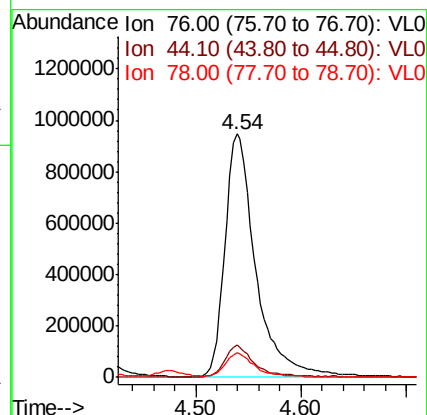
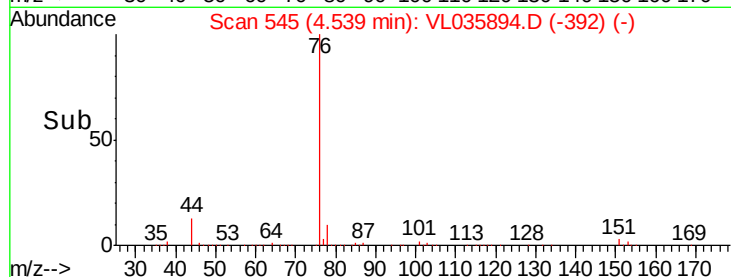
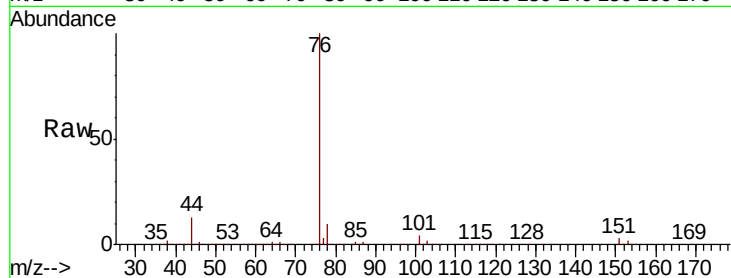
78 10.2 8.1 12.1

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#28

Methyl tert-Butyl Ether

Concen: 8.821 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.01 min

Lab File: VL035894.D

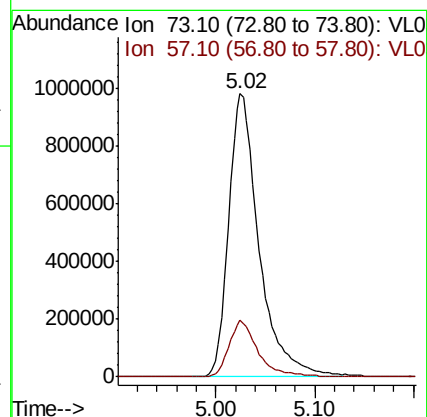
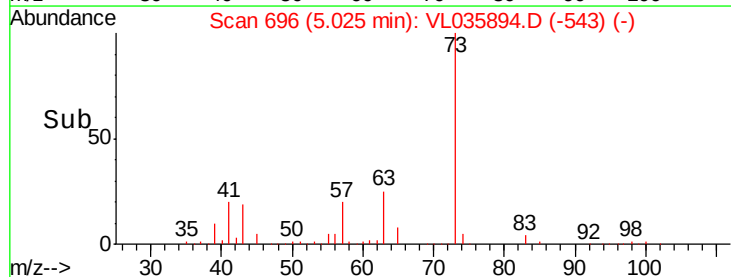
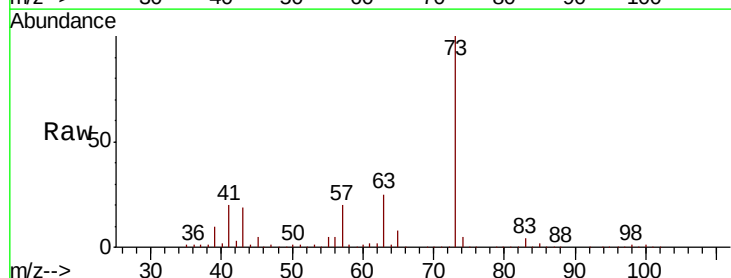
Acq: 10 Nov 2020 17:50

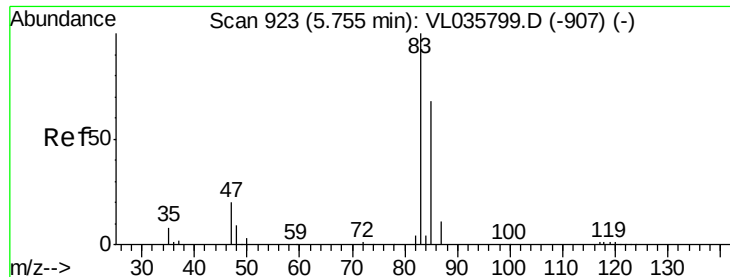
Tgt Ion: 73 Resp: 2113512

Ion Ratio Lower Upper

73 100

57 19.3 15.4 23.2





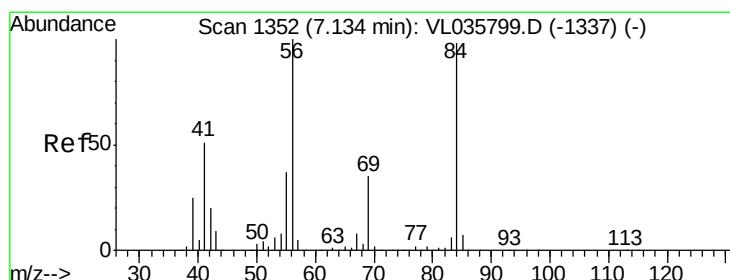
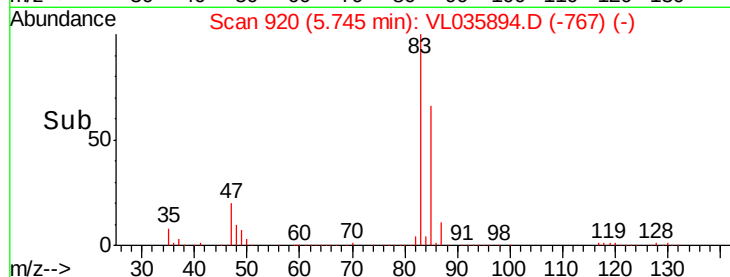
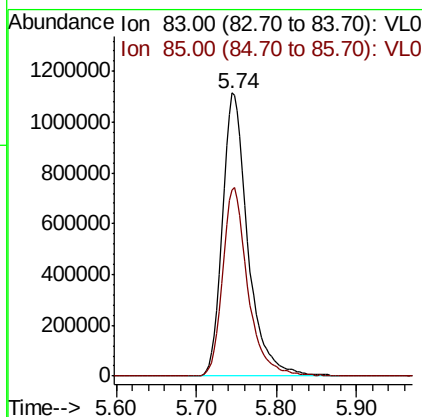
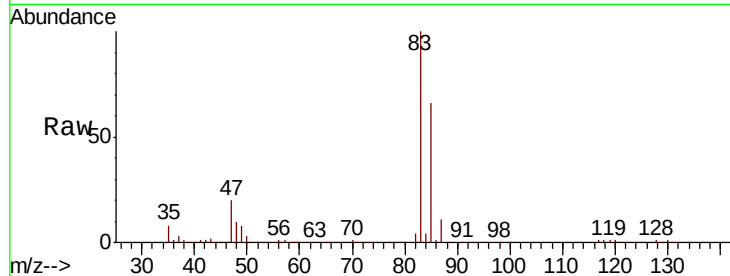
#29
Chloroform
Concen: 9.295 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VL1110ABS01

Tot Ion: 83 Resp: 2437595
Ion Ratio Lower Upper
83 100
85 65.7 54.6 81.8

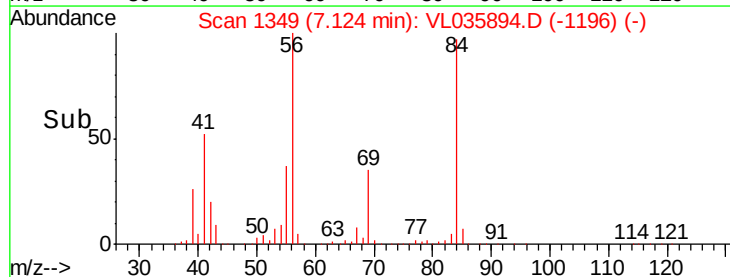
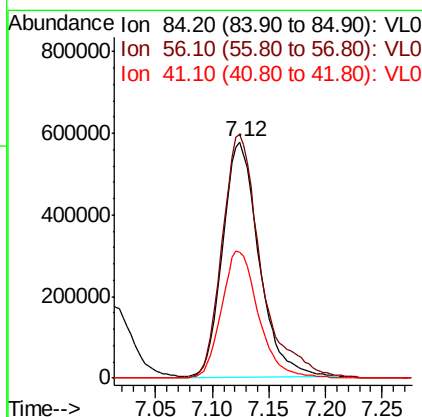
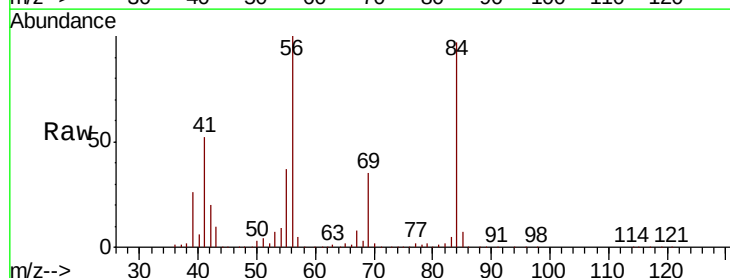
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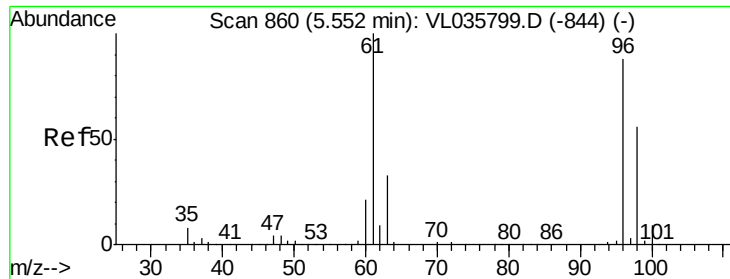
MMDadoda
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#30
Cyclohexane
Concen: 8.881 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Tgt Ion: 84 Resp: 1290617
Ion Ratio Lower Upper
84 100
56 110.3 86.4 129.6
41 55.2 42.1 63.1





#31

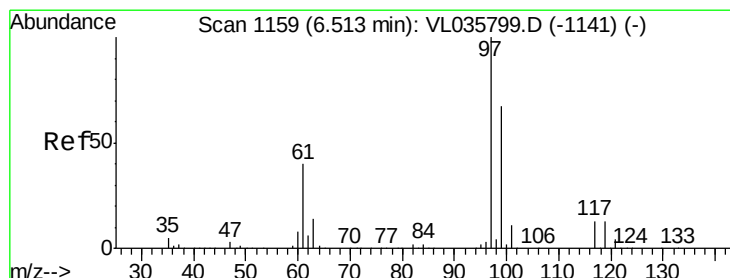
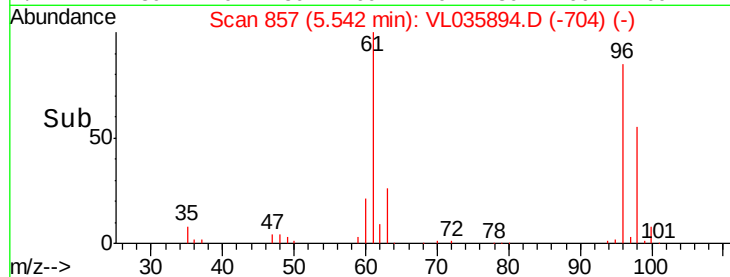
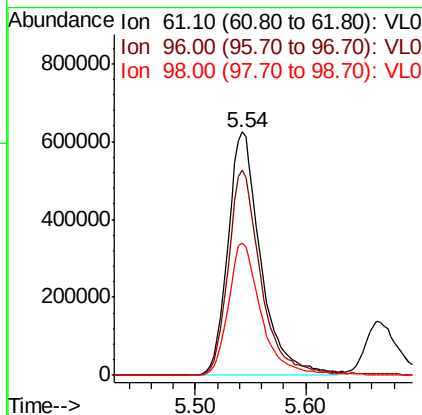
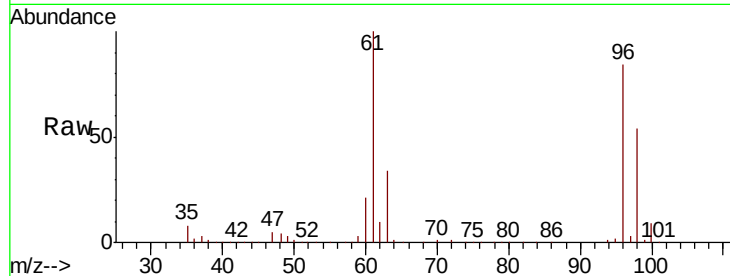
cis-1,2-Dichloroethene
Concen: 9.399 ppbv
RT: 5.54 min Scan# 857
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VL1110ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	84.4	70.3	105.5
98	54.4	45.0	67.6

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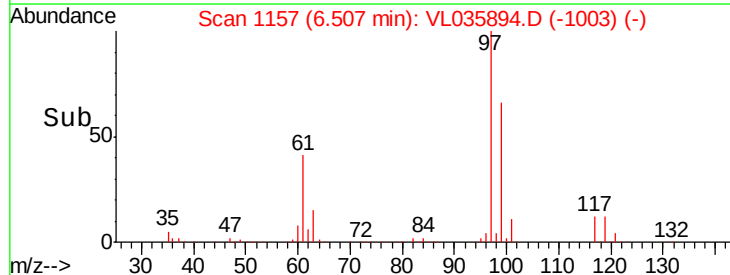
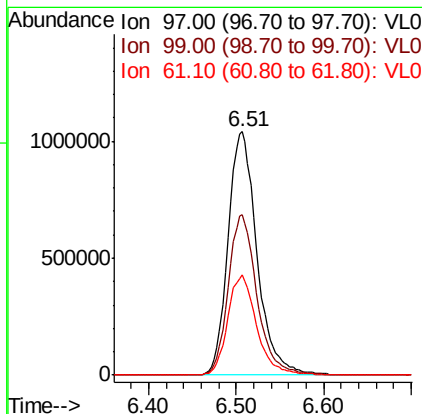
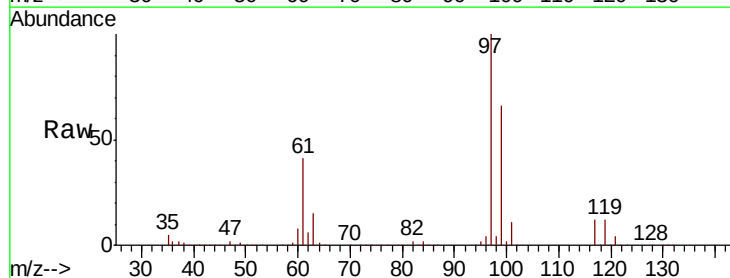
MMDadoda
11/12/2020 9:03:14 AM

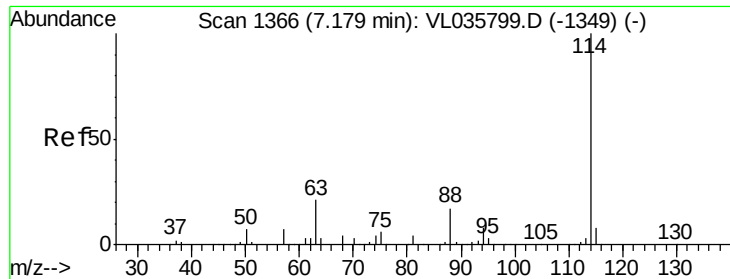


#32

1,1,1-Trichloroethane
Concen: 8.779 ppbv
RT: 6.51 min Scan# 1157
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.3	78.5
61	41.1	32.0	48.0





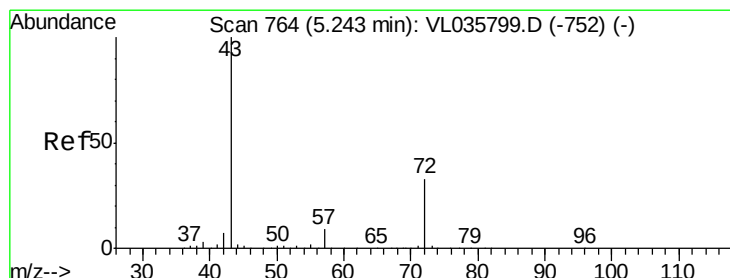
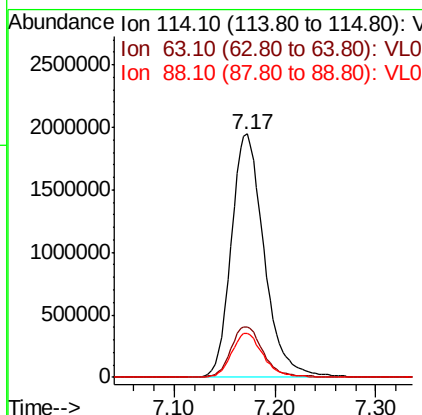
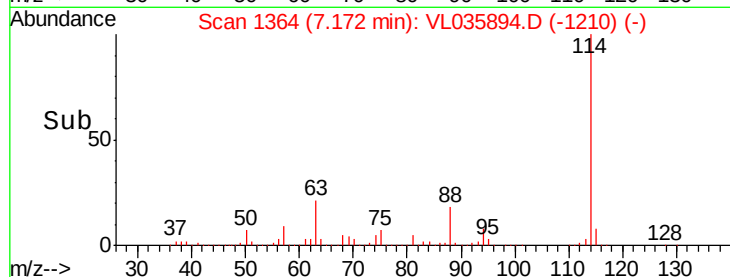
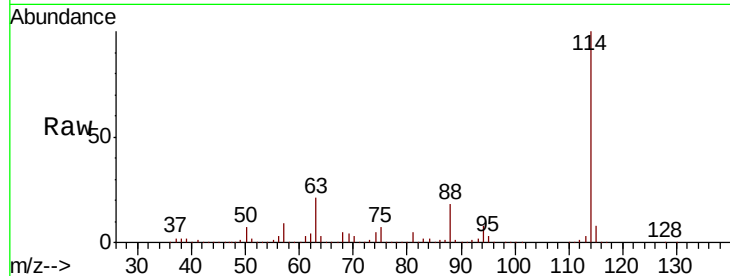
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1110ABS01

Tot Ion:114 Resp: 4404639
 Ion Ratio Lower Upper
 114 100
 63 20.7 16.1 24.1
 88 17.5 13.7 20.5

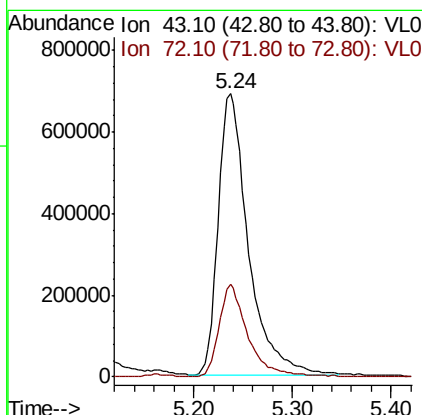
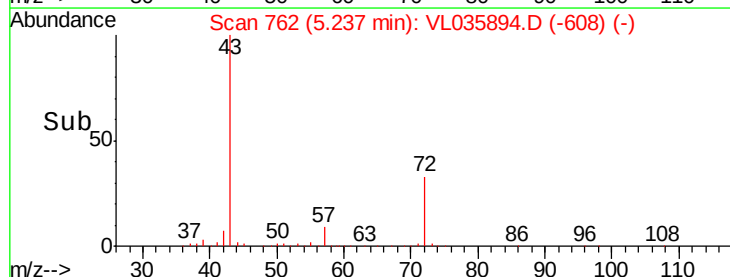
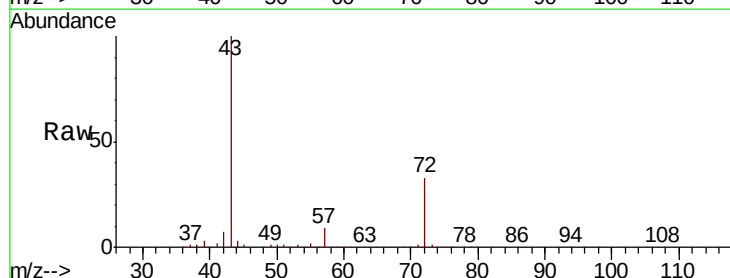
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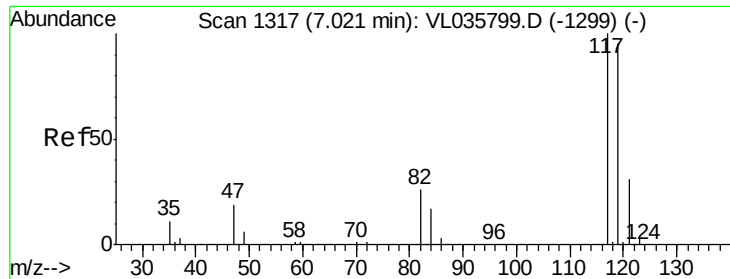
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#34
 2-Butanone
 Concen: 10.315 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Tgt Ion: 43 Resp: 1474495
 Ion Ratio Lower Upper
 43 100
 72 31.9 26.5 39.7





#35

Carbon Tetrachloride

Concen: 10.166 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VL1110ABS01

Tot Ion:117 Resp: 2392433

Ion Ratio Lower Upper

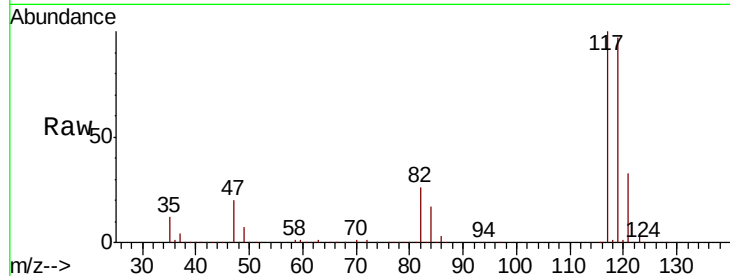
117 100

119 96.9 75.6 113.4

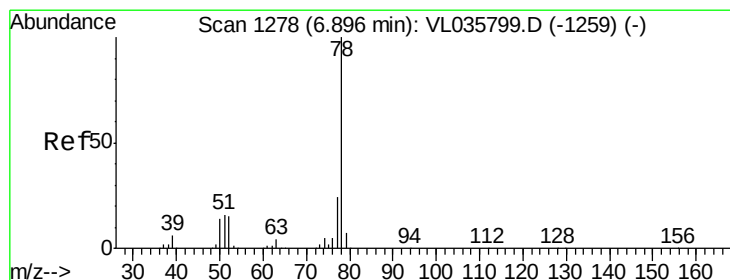
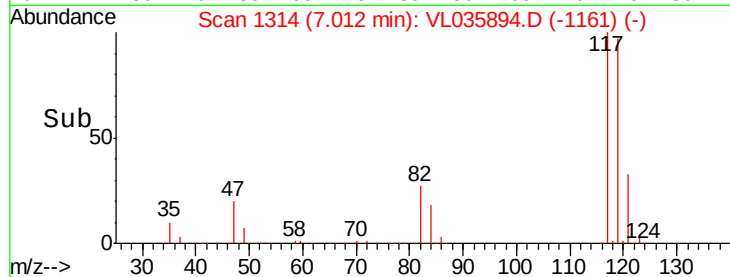
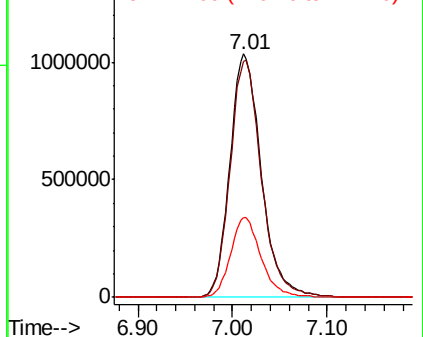
121 32.5 25.1 37.7

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



#36

Benzene

Concen: 9.334 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

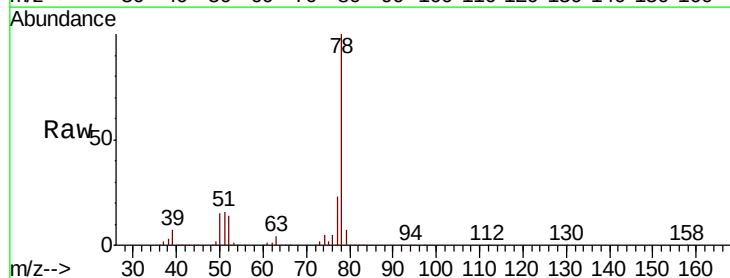
Tgt Ion: 78 Resp: 3056445

Ion Ratio Lower Upper

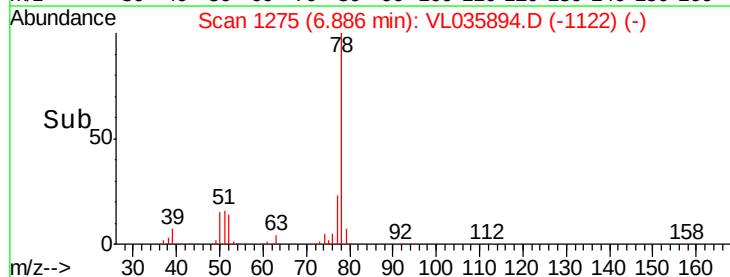
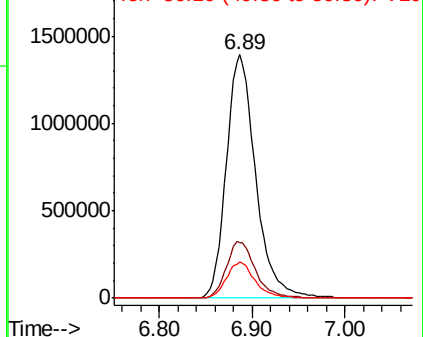
78 100

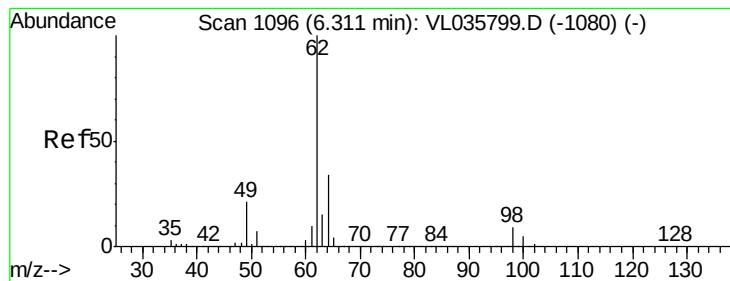
77 23.0 19.3 28.9

50 14.7 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: 10.392 ppbv

RT: 6.30 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VL1110ABS01

Tot Ion: 62 Resp: 1541674

Ion Ratio Lower Upper

62 100

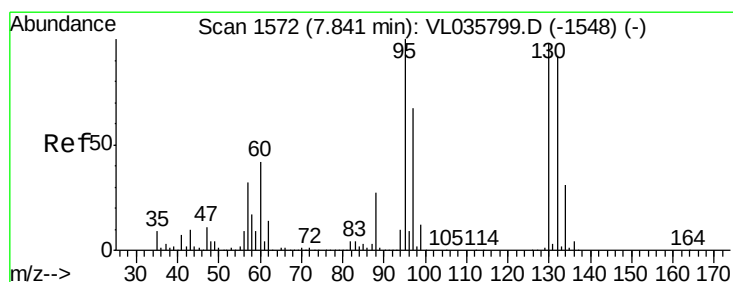
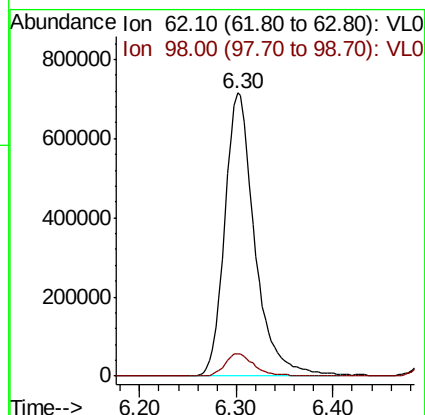
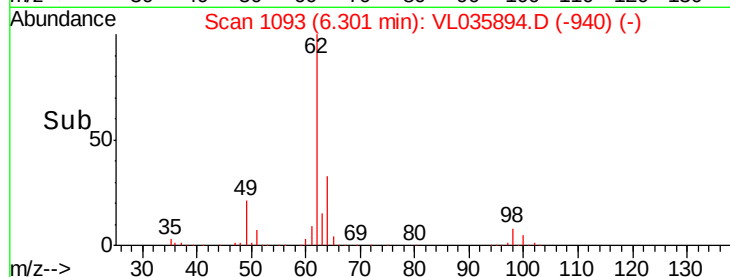
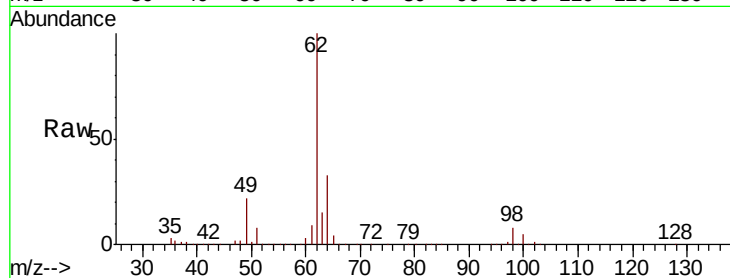
98 8.0 6.9 10.3

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#38

Trichloroethene

Concen: 8.952 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Tgt Ion: 130 Resp: 1431905

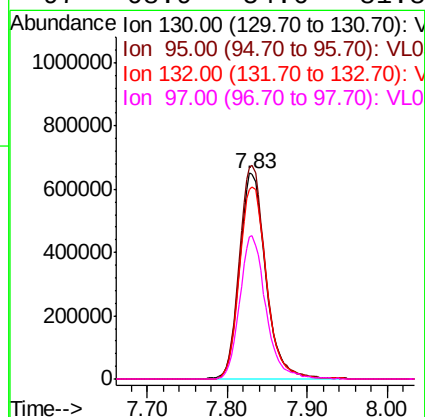
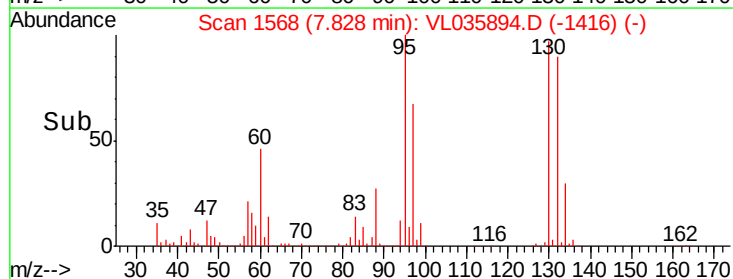
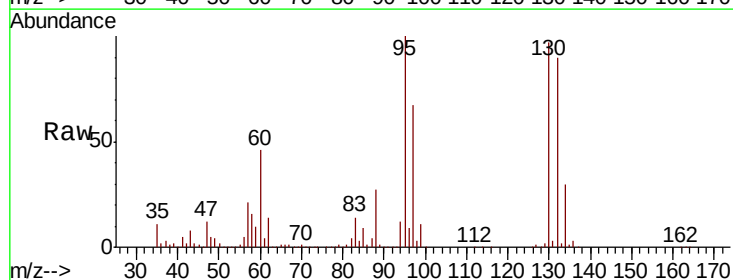
Ion Ratio Lower Upper

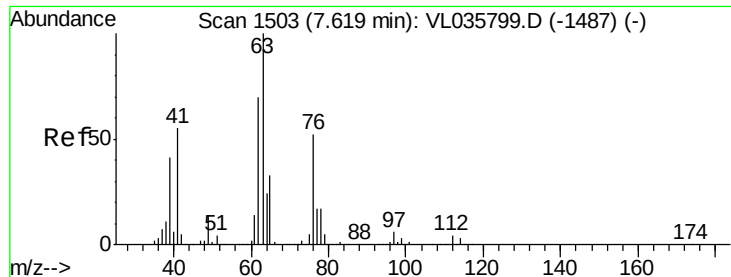
130 100

95 102.8 81.6 122.4

132 92.3 75.1 112.7

97 68.9 54.6 81.8





#39

1,2-Dichloropropane

Concen: 9.773 ppbv

RT: 7.61 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VL1110ABS01

Tot Ion: 63 Resp: 1077483

Ion Ratio Lower Upper

63 100

41 55.8 43.8 65.6

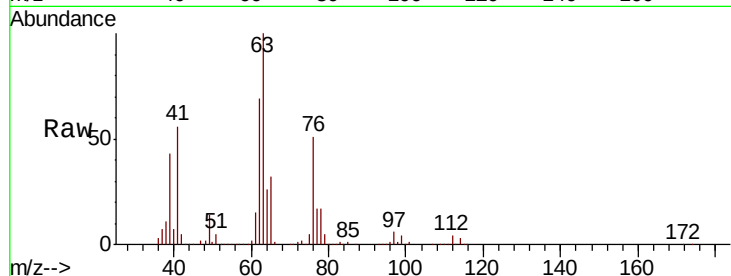
62 69.5 56.2 84.2

Manual Integrations

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Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

600000

500000

400000

300000

200000

100000

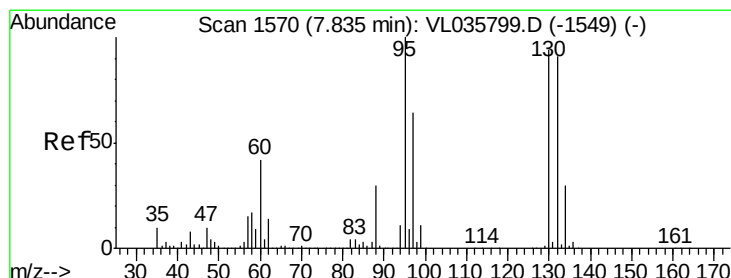
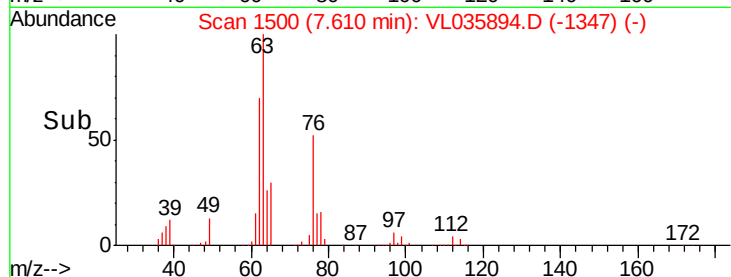
0

7.50

7.60

7.70

Time-->



#40

1,4-Dioxane

Concen: 9.258 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Tgt Ion: 88 Resp: 483726

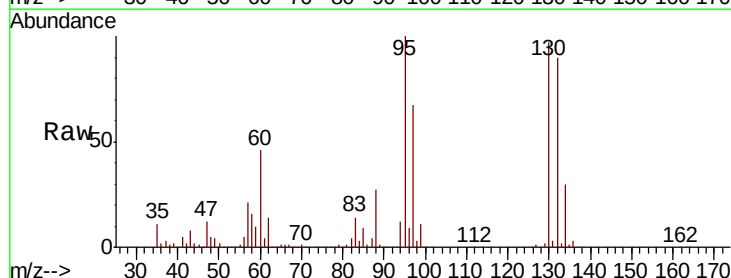
Ion Ratio Lower Upper

88 100

58 100.0 76.2 114.2

43 165.3 123.1 184.7

57 870.8 661.0 991.4



Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

2500000

2000000

1500000

1000000

500000

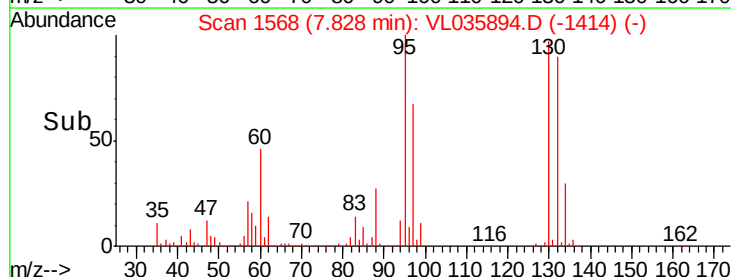
0

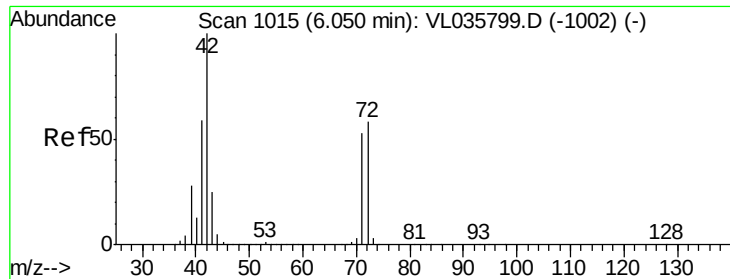
7.70

7.80

7.90

Time-->





#41

Tetrahydrofuran

Concen: 10.656 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

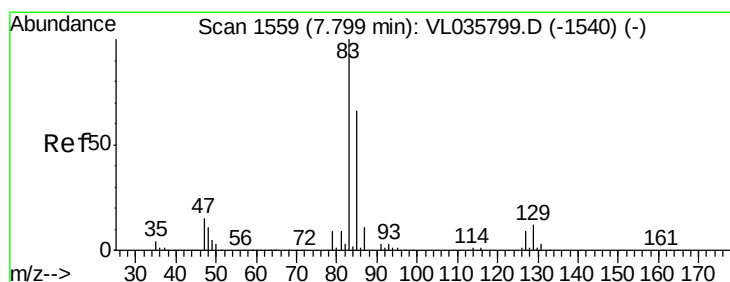
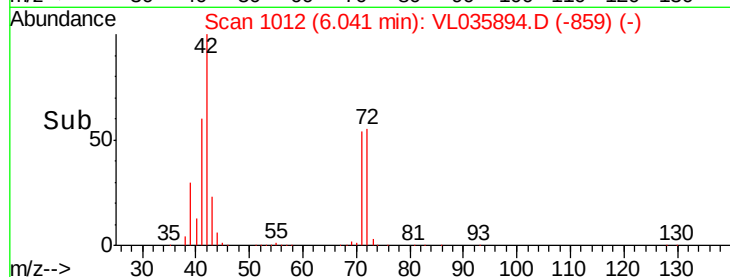
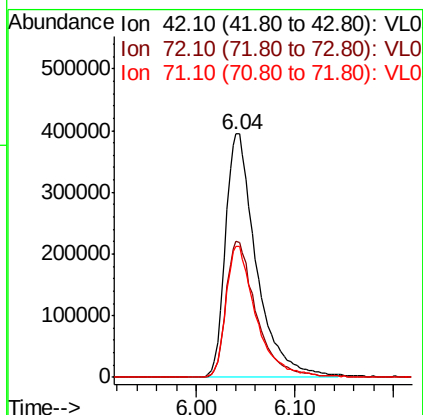
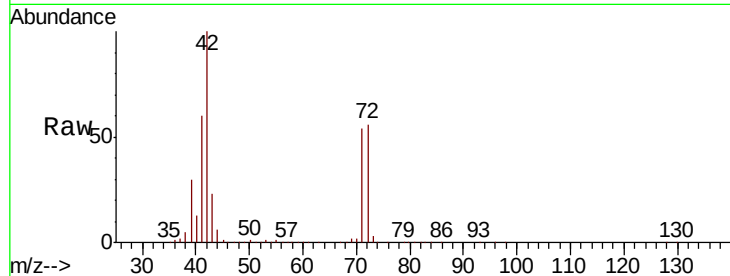
ClientSampleId :

VL1110ABS01

Tot Ion:	42	Resp:	865401
Ion	Ratio	Lower	Upper
42	100		
72	55.5	45.4	68.0
71	53.3	43.4	65.2

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#42

Bromodichloromethane

Concen: 9.931 ppbv

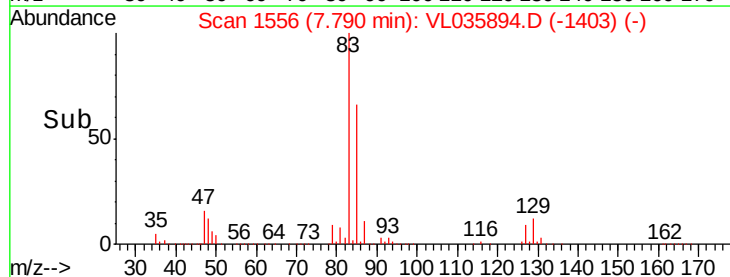
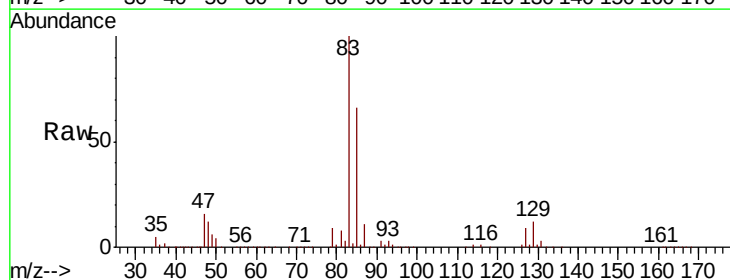
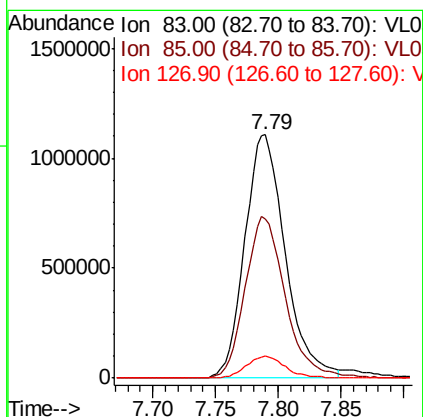
RT: 7.79 min Scan# 1556

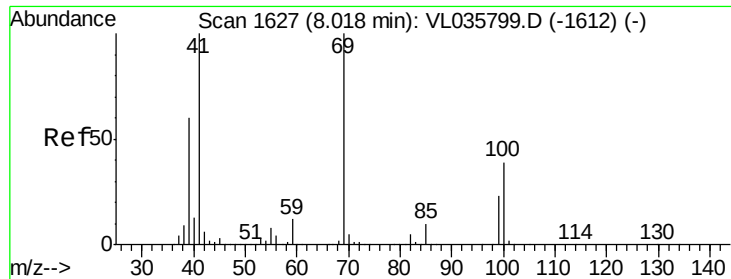
Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Tgt Ion:	83	Resp:	2485987
Ion	Ratio	Lower	Upper
83	100		
85	65.5	53.1	79.7
127	9.2	7.3	10.9





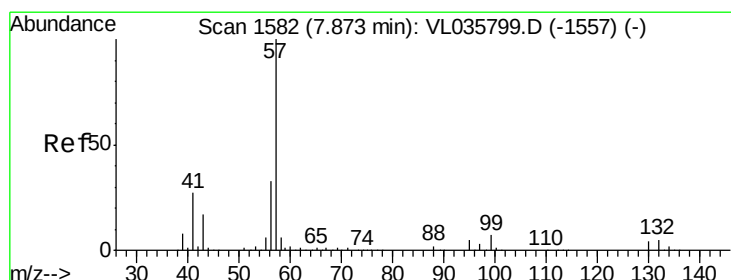
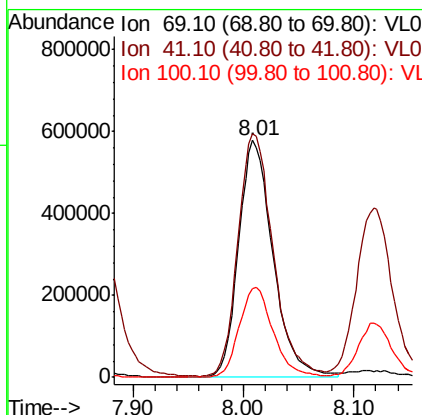
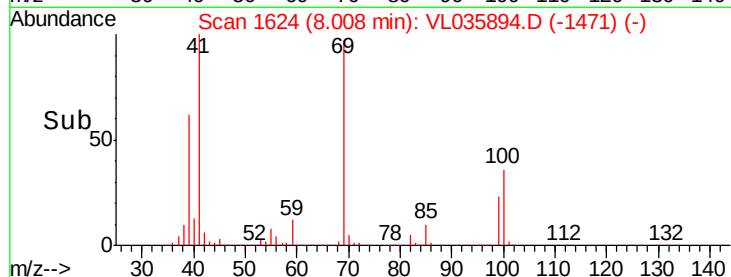
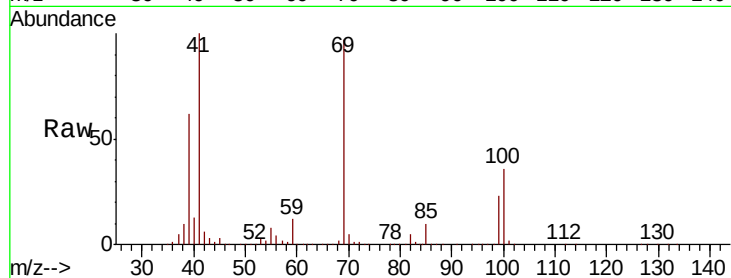
#43
Methyl Methacrylate
Concen: 10.006 ppbv
RT: 8.01 min Scan# 1624
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VL1110ABS01

Tot Ion: 69 Resp: 1249785
Ion Ratio Lower Upper
69 100
41 105.2 81.1 121.7
100 37.6 31.0 46.4

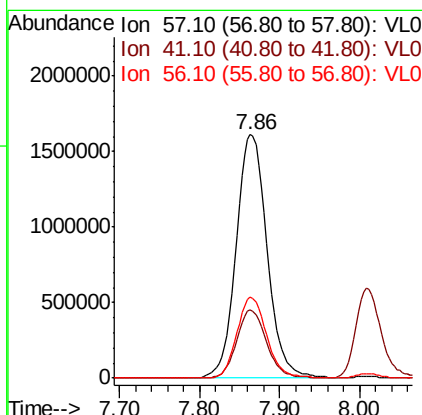
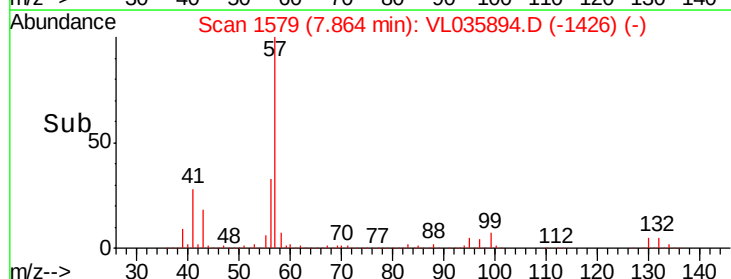
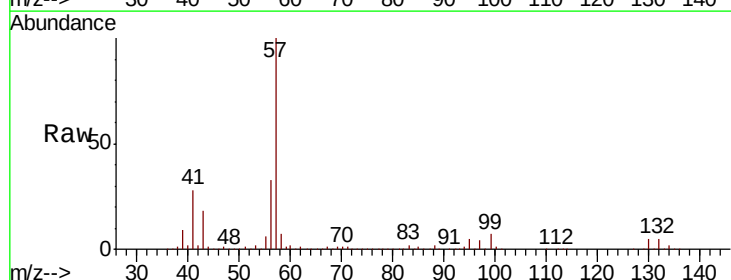
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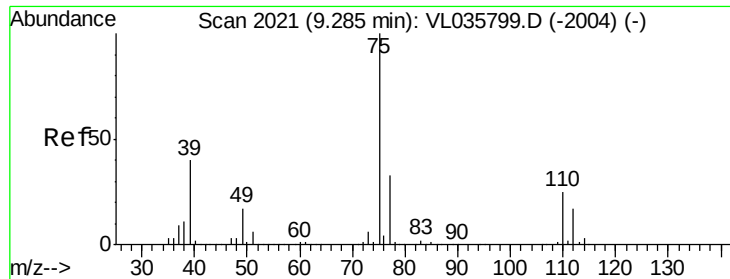
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#44
2,2,4-Trimethylpentane
Concen: 9.716 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Tgt Ion: 57 Resp: 4210140
Ion Ratio Lower Upper
57 100
41 27.0 21.0 31.4
56 31.9 25.4 38.0





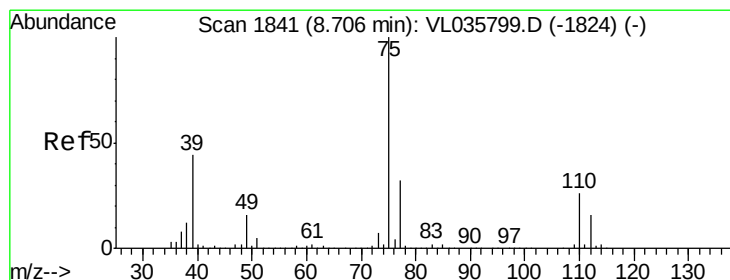
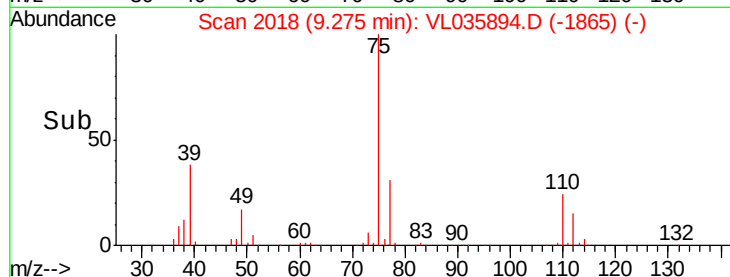
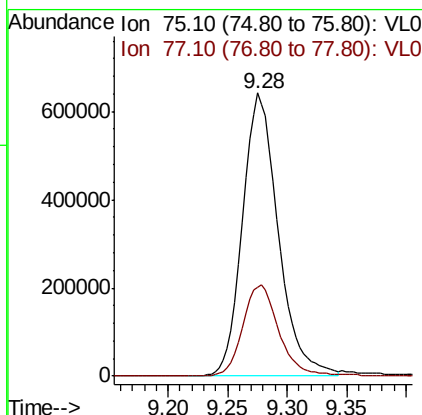
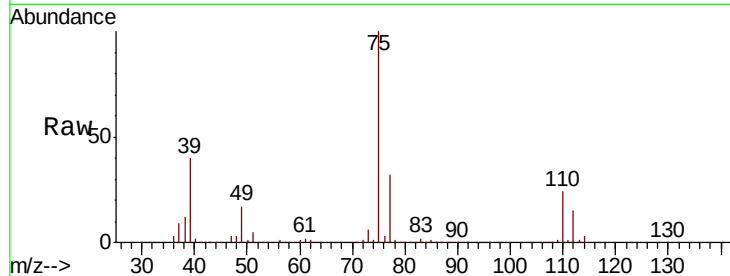
#45
t-1,3-Dichloropropene
Concen: 10.094 ppbv
RT: 9.28 min Scan# 2018
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VL1110ABS01

Tot Ion: 75 Resp: 1336519
Ion Ratio Lower Upper
75 100
77 31.5 26.4 39.6

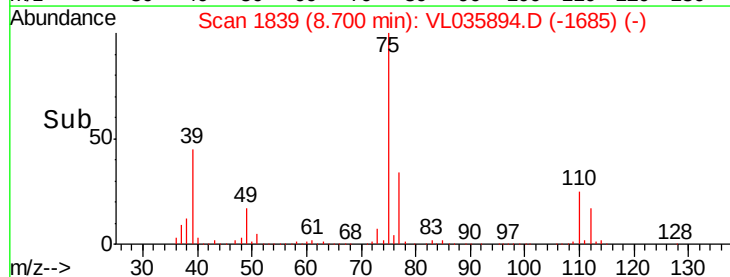
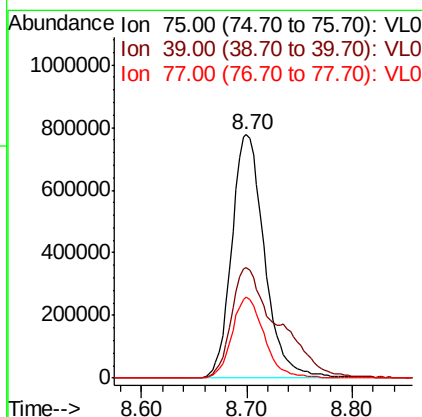
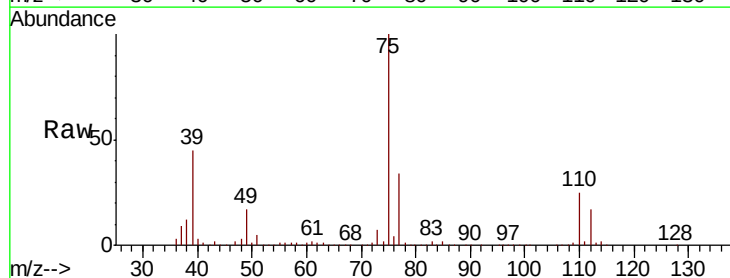
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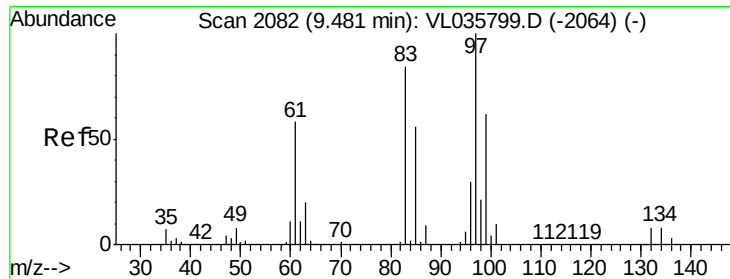
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#46
cis-1,3-Dichloropropene
Concen: 9.970 ppbv
RT: 8.70 min Scan# 1839
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Tgt Ion: 75 Resp: 1671860
Ion Ratio Lower Upper
75 100
39 45.2 35.1 52.7
77 33.6 25.7 38.5





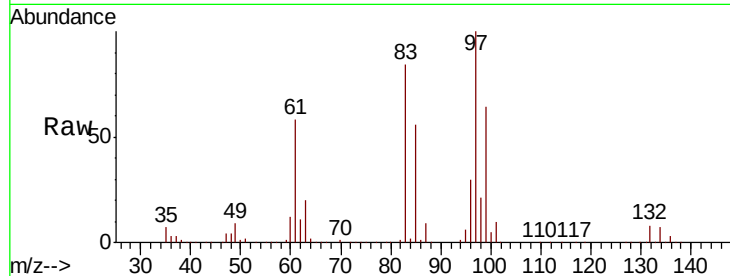
#47
 1,1,2-Trichloroethane
 Concen: 9.414 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. -0.01 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1110ABS01

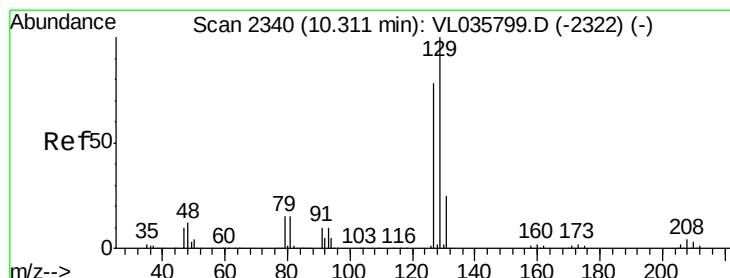
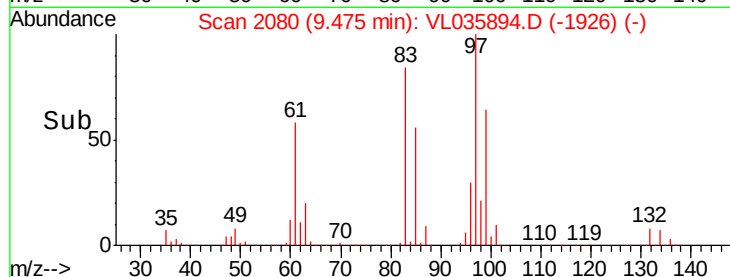
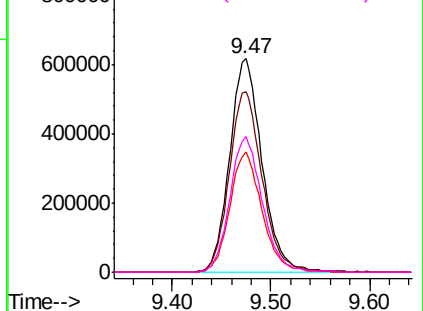
Tot Ion: 97 Resp: 1414201
 Ion Ratio Lower Upper
 97 100
 83 84.3 67.1 100.7
 85 56.3 44.7 67.1
 99 63.8 49.7 74.5

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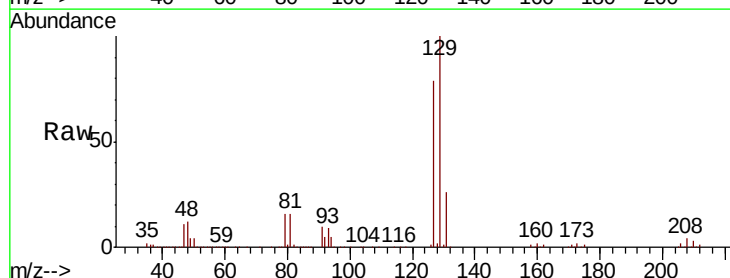


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

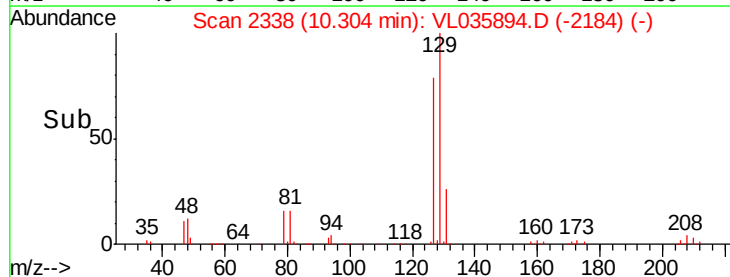
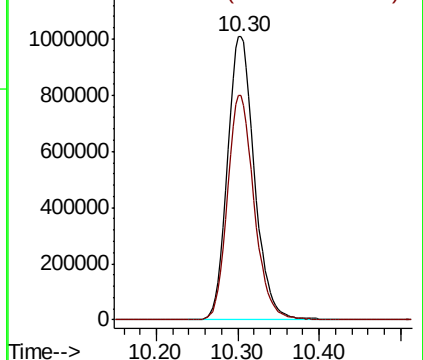


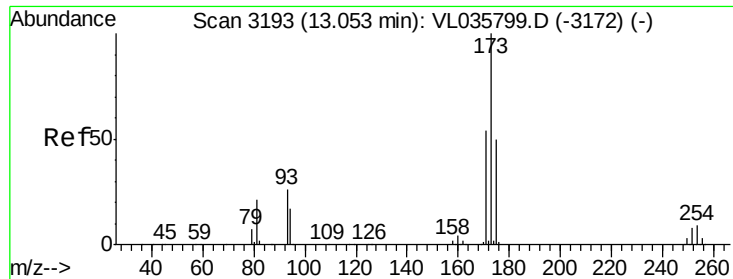
#48
 Dibromochloromethane
 Concen: 10.238 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. -0.01 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Tgt Ion: 129 Resp: 2349495
 Ion Ratio Lower Upper
 129 100
 127 78.6 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: 10.196 ppbv

RT: 13.04 min Scan# 3189

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VL1110ABS01

Tot Ion:173 Resp: 1974566

Ion Ratio Lower Upper

173 100

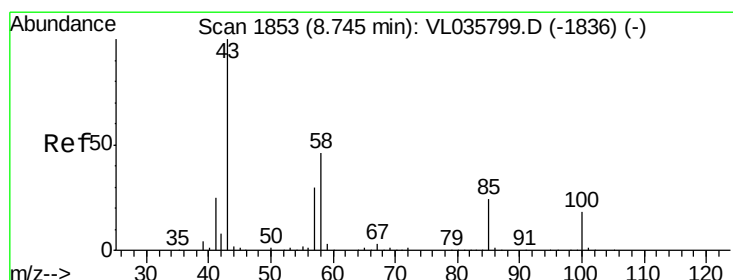
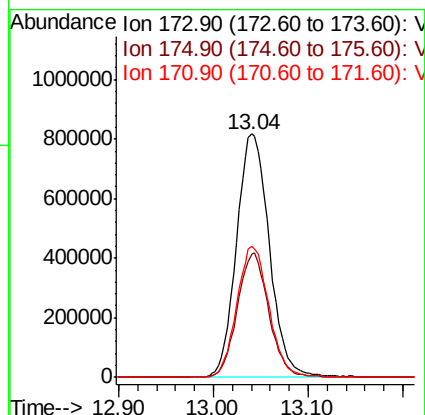
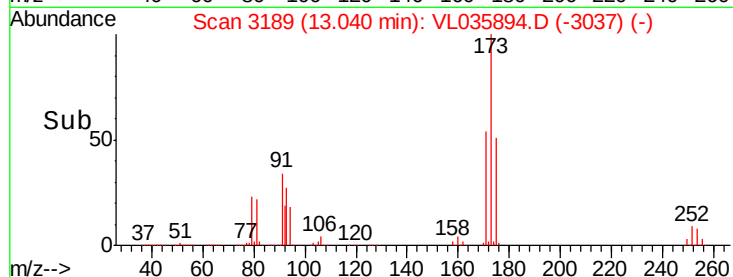
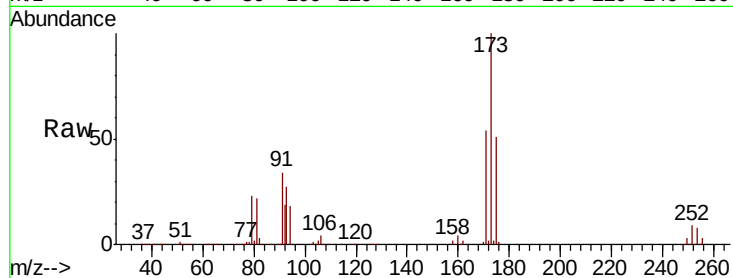
175 49.4 40.1 60.1

171 53.1 42.6 63.8

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#50

4-Methyl-2-Pentanone

Concen: 10.515 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VL035894.D

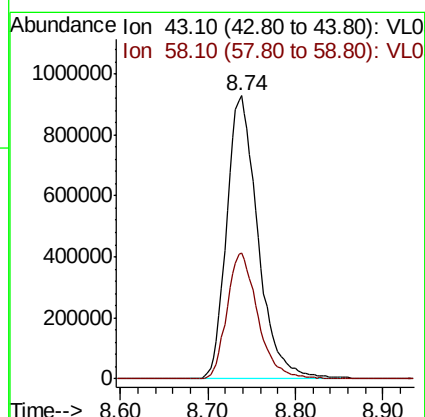
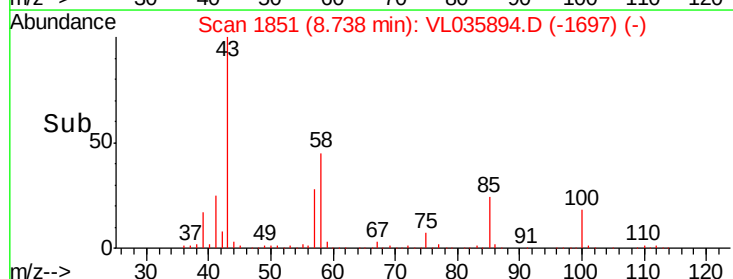
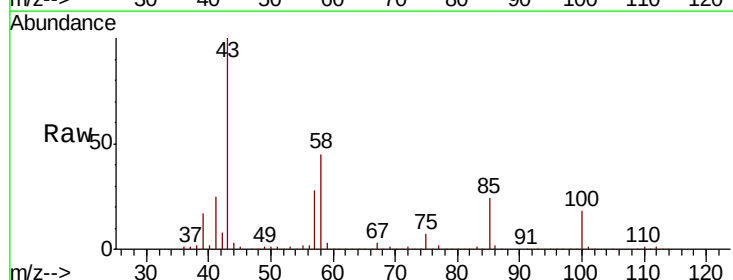
Acq: 10 Nov 2020 17:50

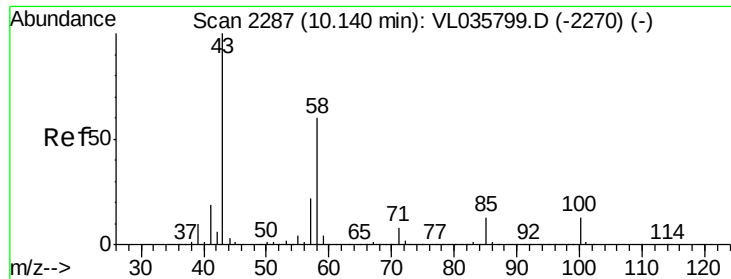
Tgt Ion: 43 Resp: 2298362

Ion Ratio Lower Upper

43 100

58 43.9 36.0 54.0





#51

2-Hexanone

Concen: 10.597 ppbv

RT: 10.13 min Scan# 2284

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VL1110ABS01

Tot Ion: 43 Resp: 1860816

Ion Ratio Lower Upper

43 100

58 59.0 48.3 72.5

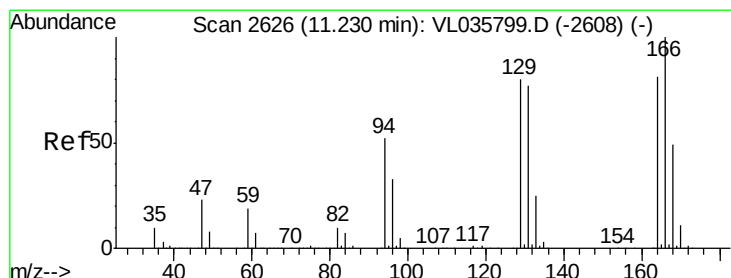
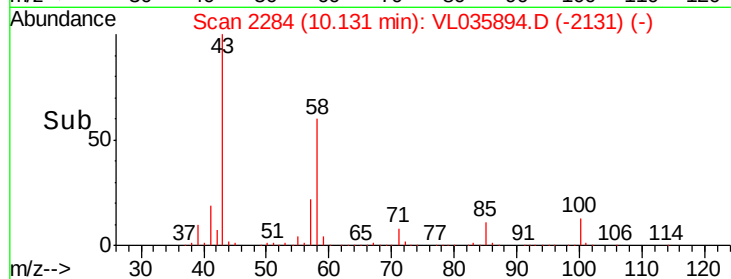
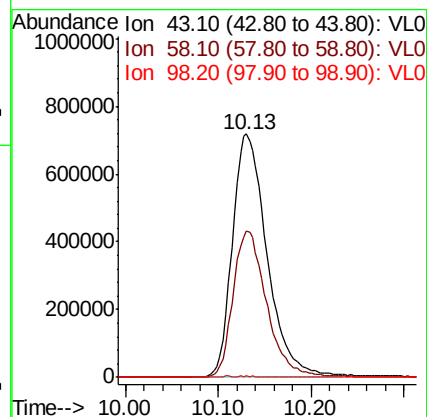
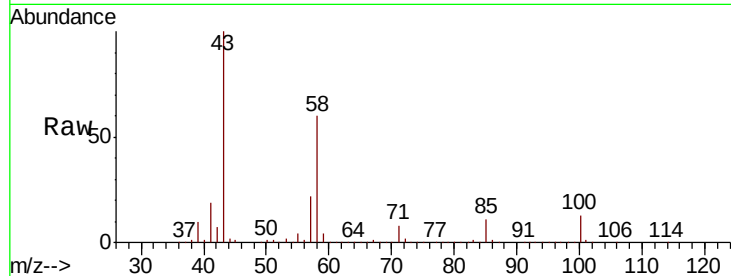
98 0.8 0.6 0.8

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#52

Tetrachloroethene

Concen: 8.620 ppbv

RT: 11.22 min Scan# 2623

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Tgt Ion: 164 Resp: 1337334

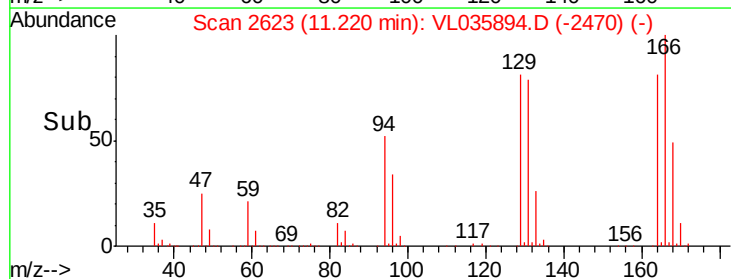
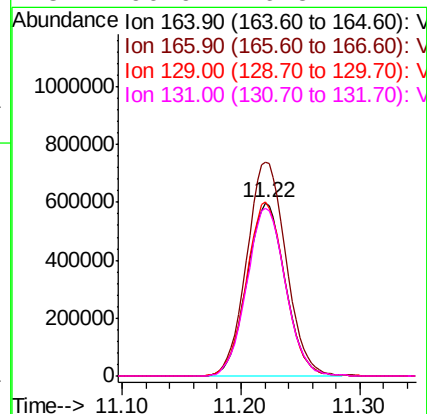
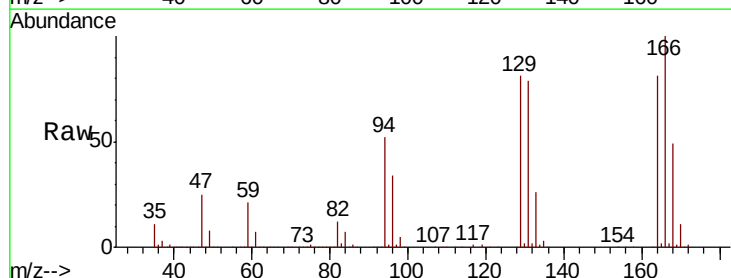
Ion Ratio Lower Upper

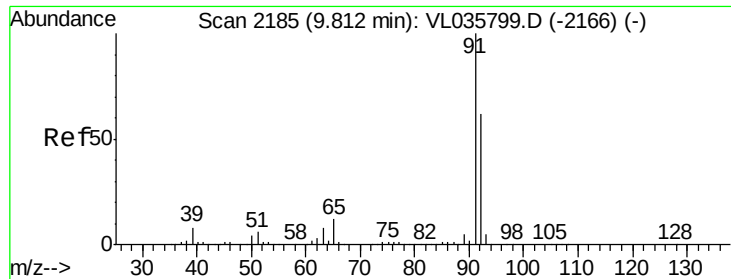
164 100

166 123.4 99.3 148.9

129 100.5 79.3 118.9

131 96.9 76.5 114.7





#53

Toluene

Concen: 9.400 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VL1110ABS01

Tot Ion: 91 Resp: 3713956

Ion Ratio Lower Upper

91 100

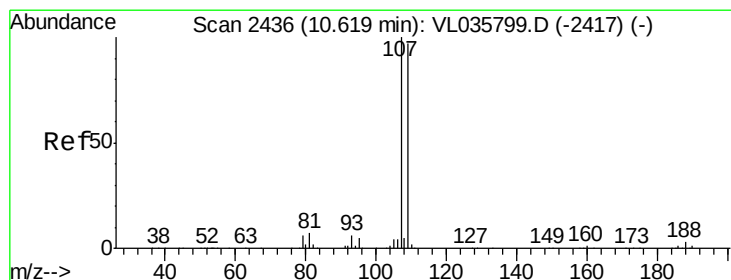
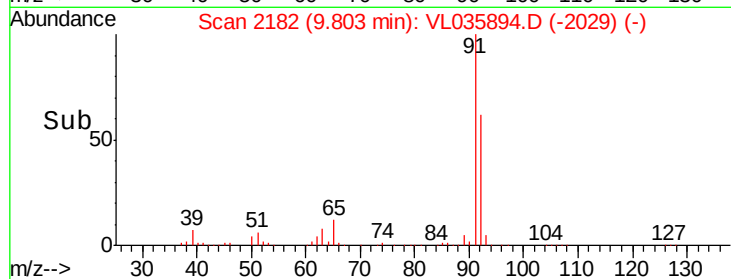
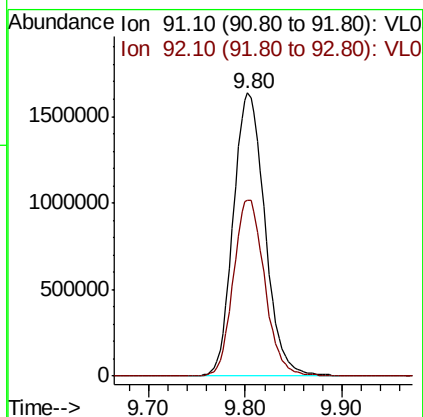
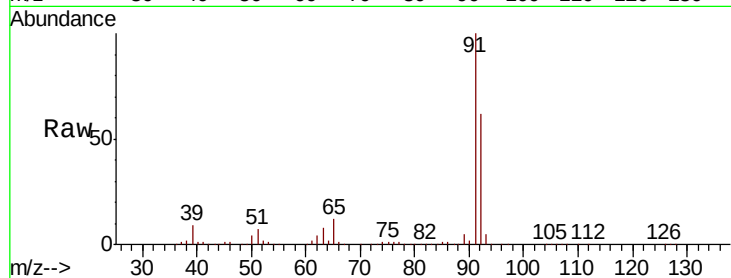
92 61.7 49.8 74.6

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#54

1,2-Dibromoethane

Concen: 9.461 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.01 min

Lab File: VL035894.D

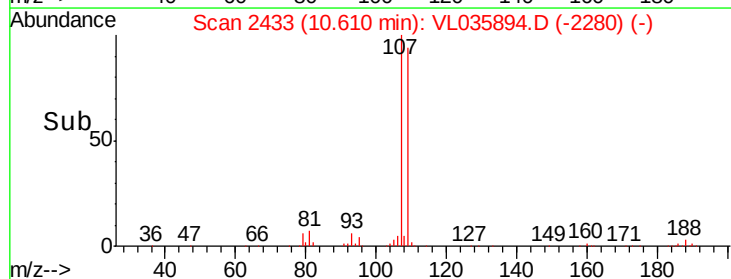
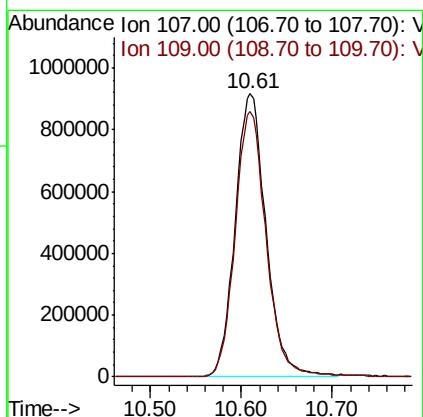
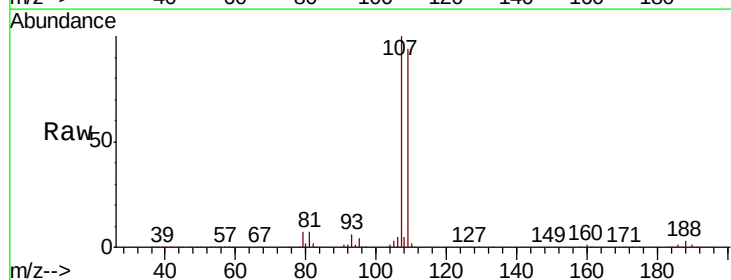
Acq: 10 Nov 2020 17:50

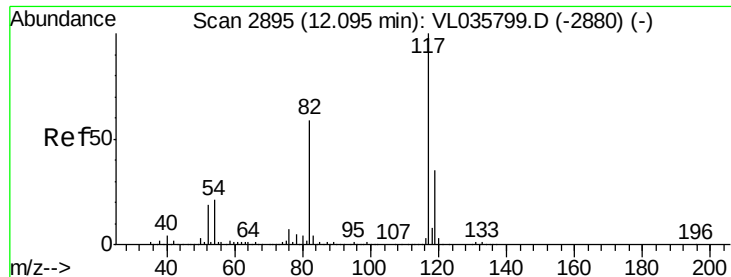
Tgt Ion: 107 Resp: 2161492

Ion Ratio Lower Upper

107 100

109 94.0 77.2 115.8





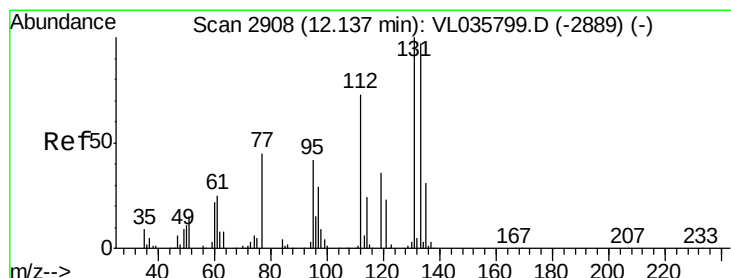
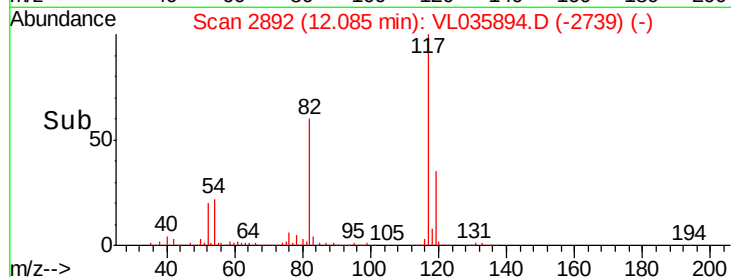
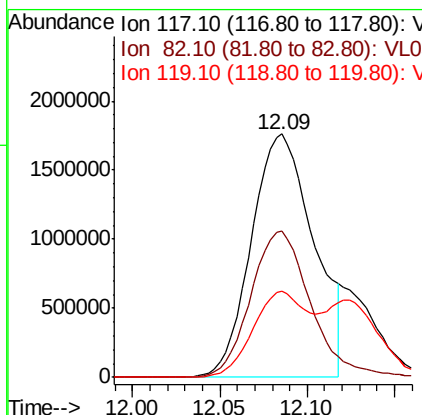
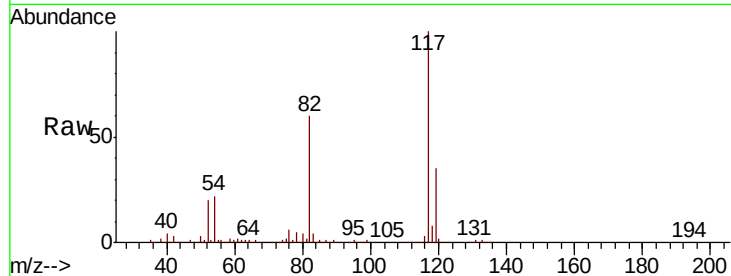
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VL1110ABS01

Tot Ion:117 Resp: 4381437
Ion Ratio Lower Upper
117 100
82 58.5 50.6 76.0
119 31.2 52.6 78.8#

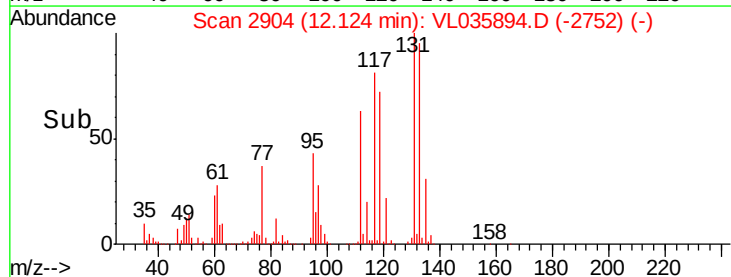
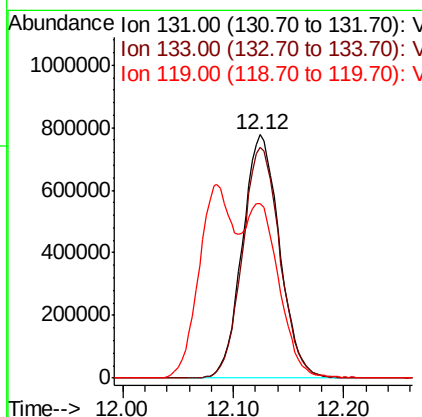
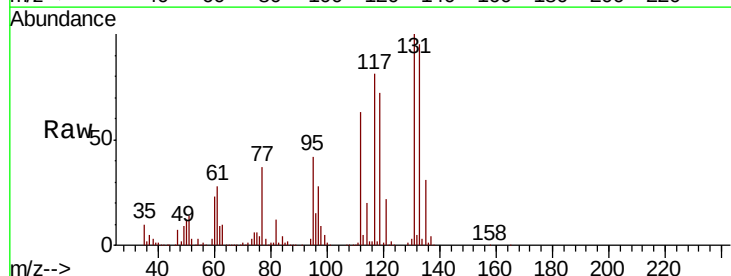
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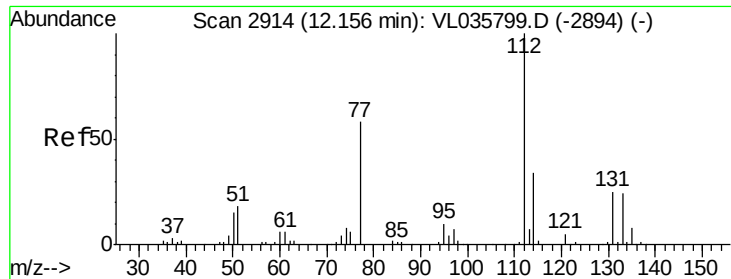
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.237 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Tgt Ion:131 Resp: 1816454
Ion Ratio Lower Upper
131 100
133 95.9 76.8 115.2
119 73.4 47.4 71.0#





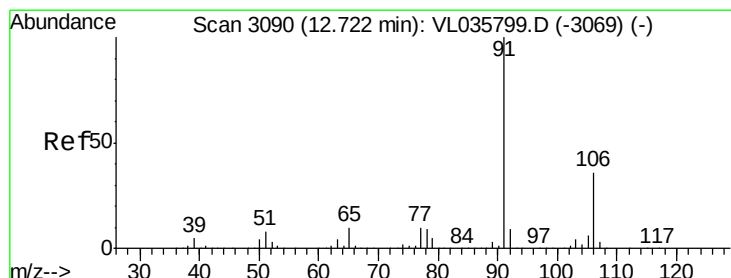
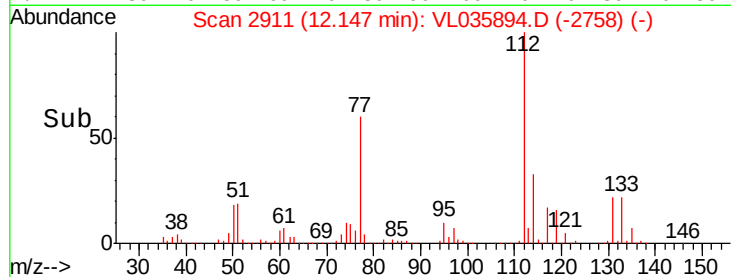
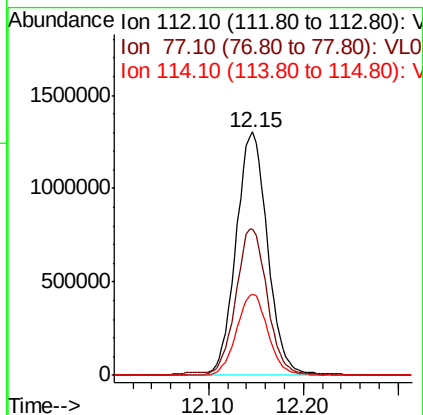
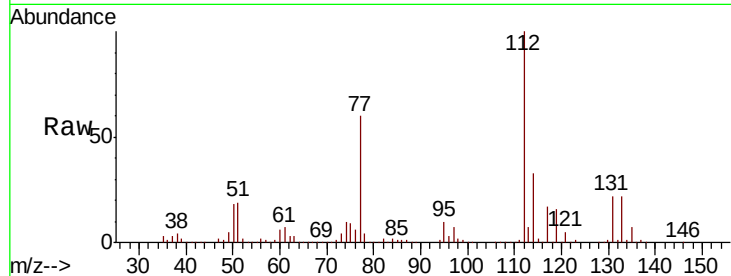
#57
Chlorobenzene
Concen: 8.677 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VL1110ABS01

Tot Ion:112 Resp: 3022945
Ion Ratio Lower Upper
112 100
77 59.7 47.5 71.3
114 33.4 30.3 37.1

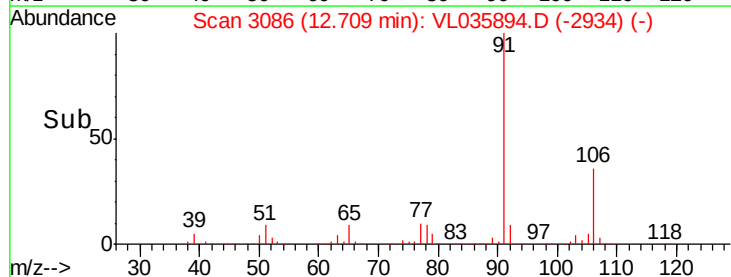
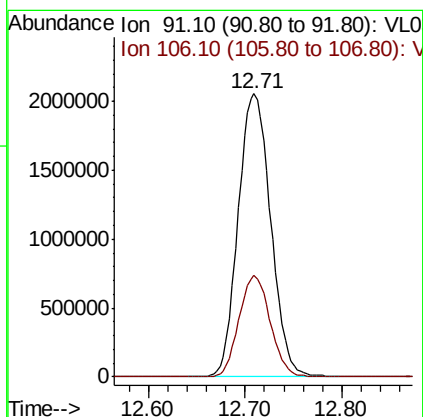
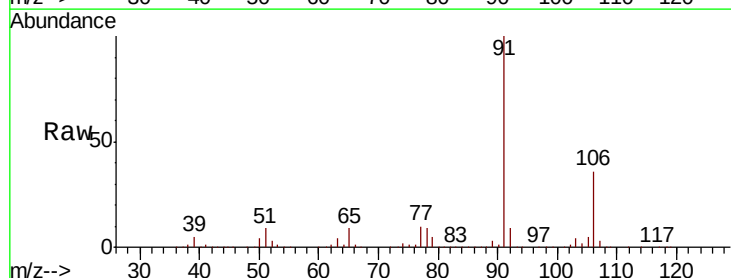
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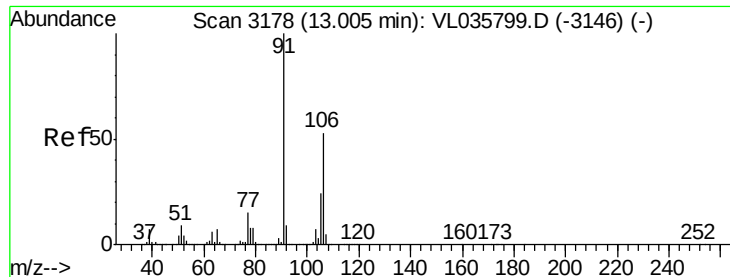
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#58
Ethyl Benzene
Concen: 9.012 ppbv
RT: 12.71 min Scan# 3086
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Tgt Ion: 91 Resp: 4808993
Ion Ratio Lower Upper
91 100
106 35.9 28.6 43.0





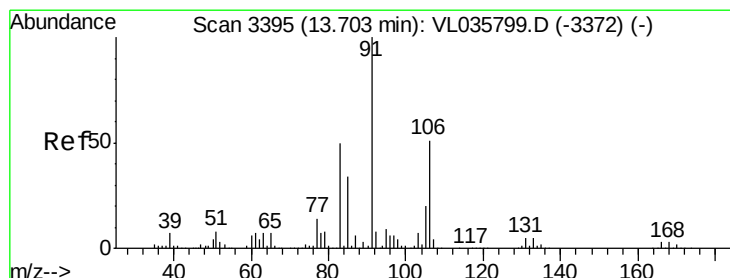
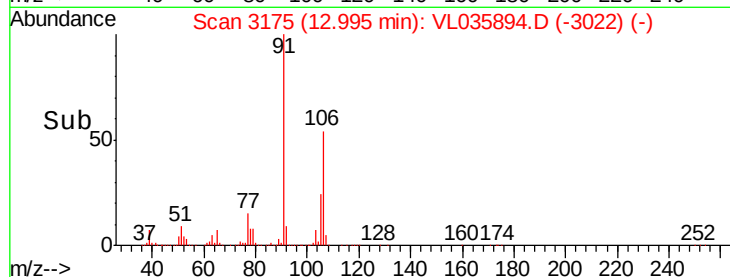
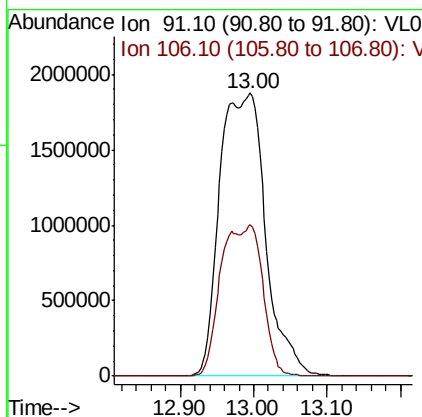
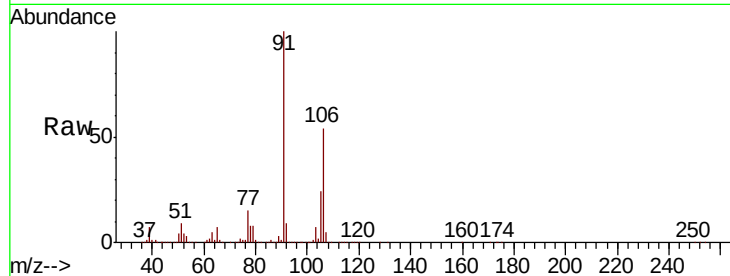
#59
m/p-Xylene
Concen: 18.038 ppbv m
RT: 13.00 min Scan# 3175
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VL1110ABS01

Tot Ion: 91 Resp: 8143823
Ion Ratio Lower Upper
91 100
106 49.0 39.5 59.3

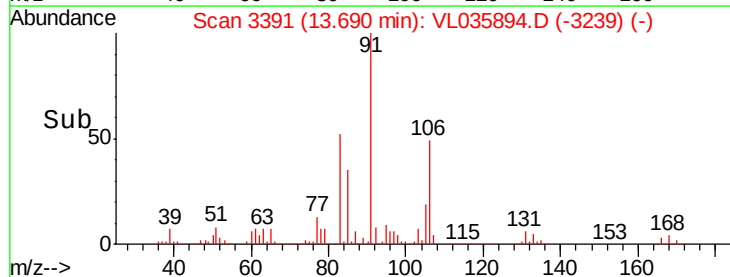
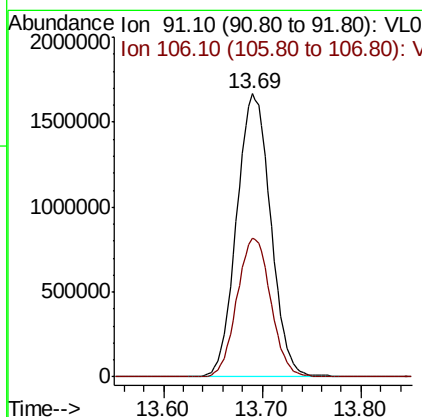
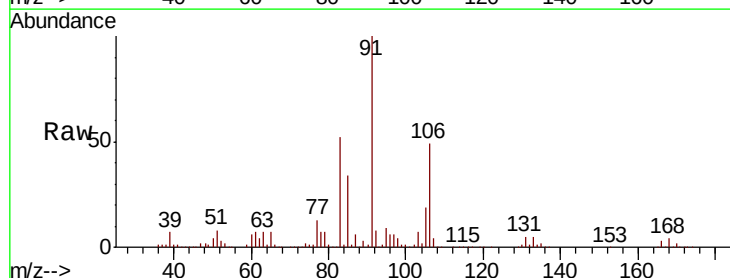
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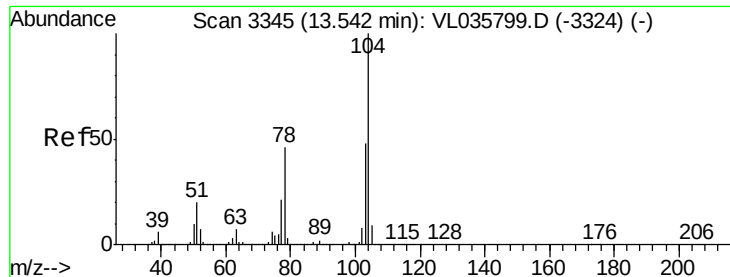
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#60
o-Xylene
Concen: 9.059 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Tgt Ion: 91 Resp: 3978509
Ion Ratio Lower Upper
91 100
106 48.9 24.8 74.4





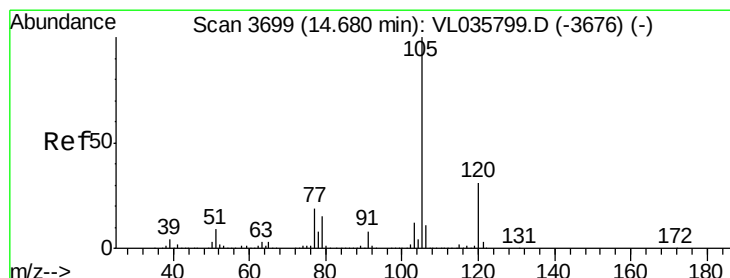
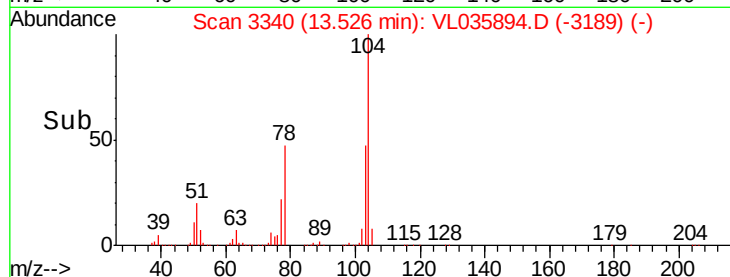
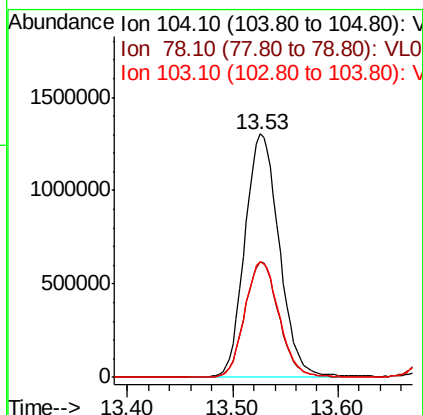
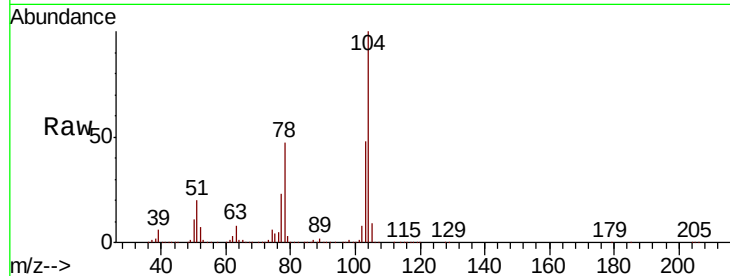
#61
Stvrene
Concen: 9.207 ppbv
RT: 13.53 min Scan# 3340
Delta R.T. -0.02 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VL1110ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.0	37.1	55.7
103	47.7	37.9	56.9

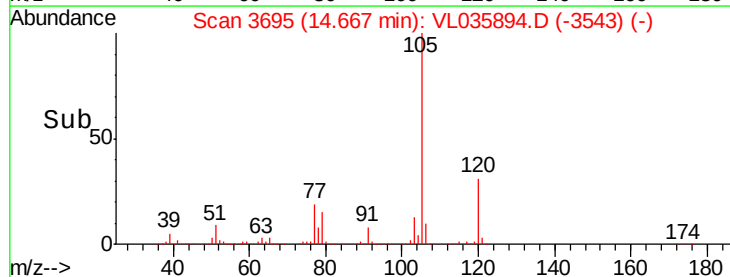
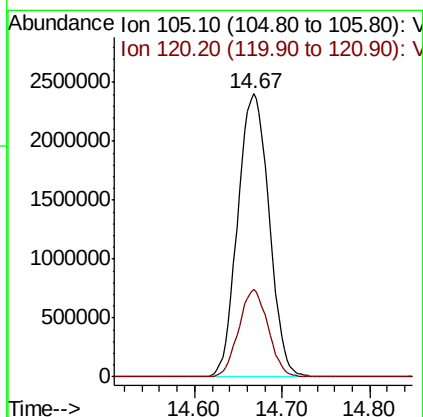
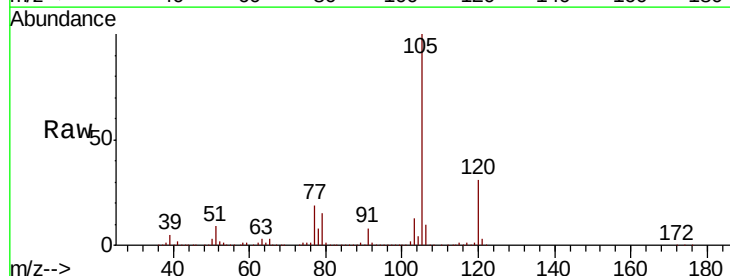
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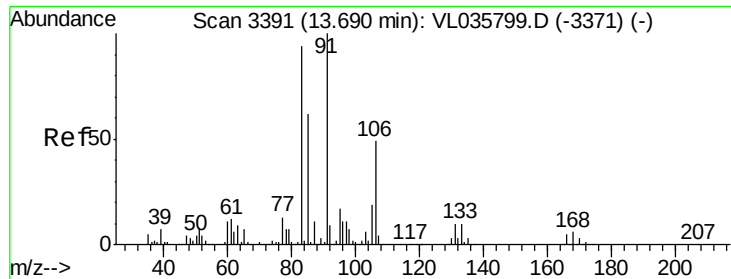
MMDadoda
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#62
Isopropylbenzene
Concen: 8.685 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	29.0	23.5	35.3





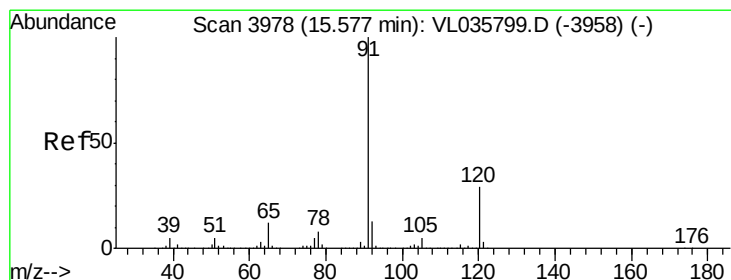
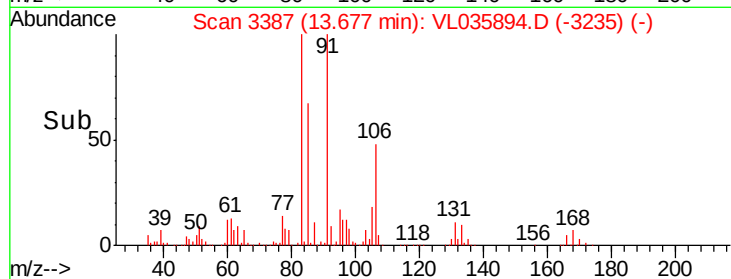
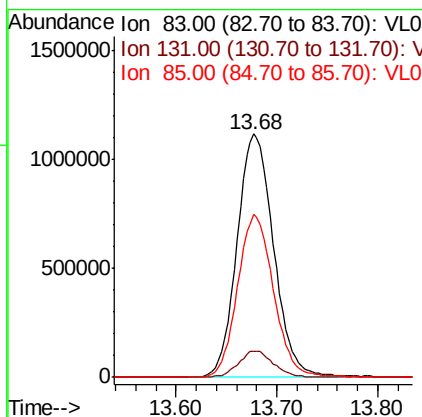
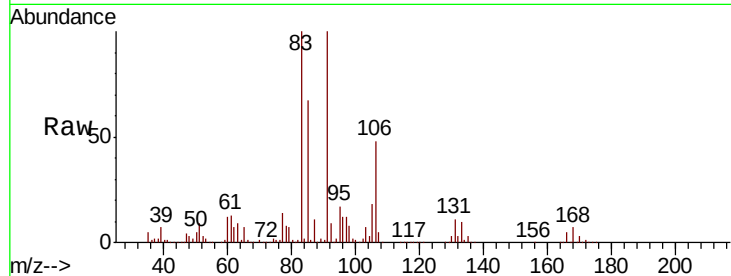
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.233 ppbv
 RT: 13.68 min Scan# 3387
 Delta R.T. -0.01 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1110ABS01

Tot Ion	83	Resp	2801670
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	15.8
85	66.5	33.5	100.4

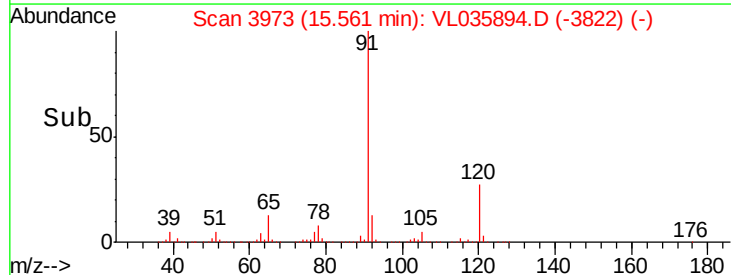
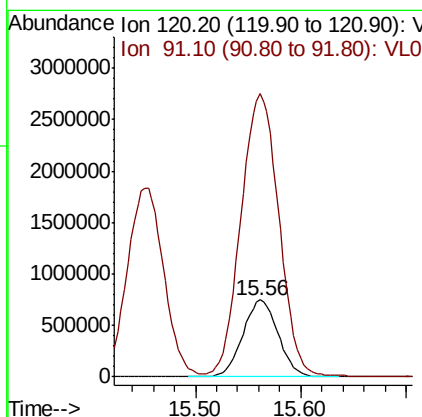
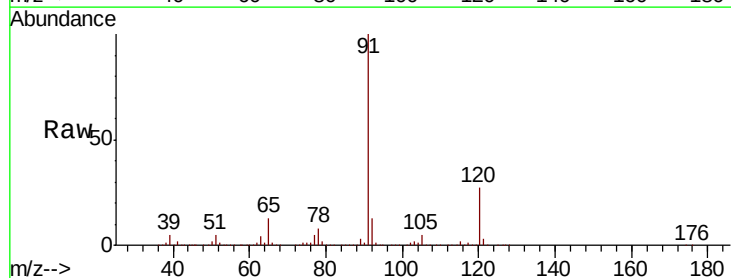
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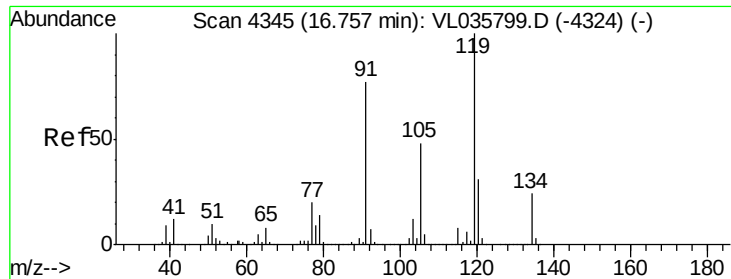
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#64
 n-propylbenzene
 Concen: 8.749 ppbv
 RT: 15.56 min Scan# 3973
 Delta R.T. -0.02 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Tgt Ion	120	Resp	1745717
Ion Ratio	Lower	Upper	
120	100		
91	395.7	311.1	466.7





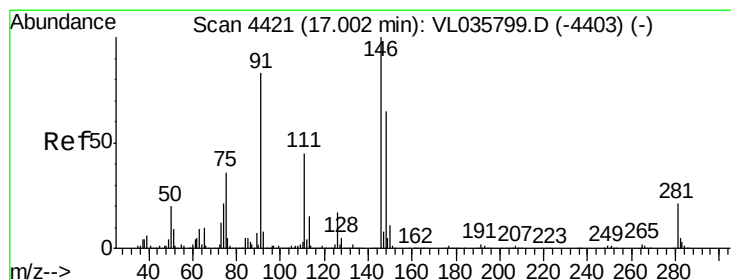
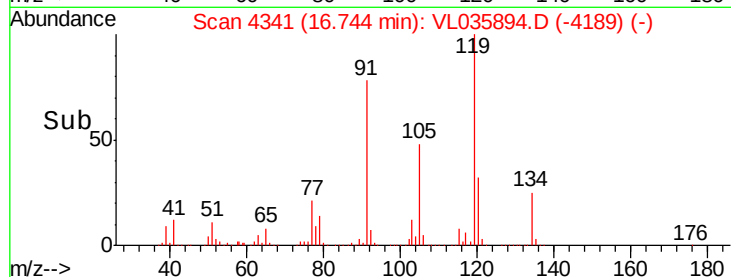
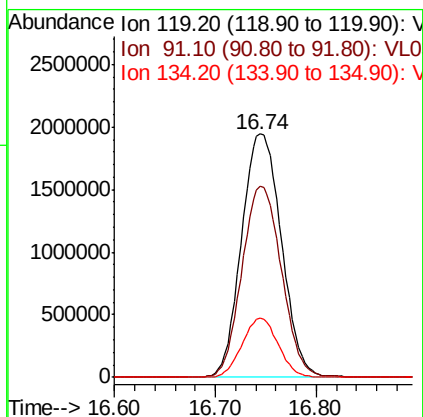
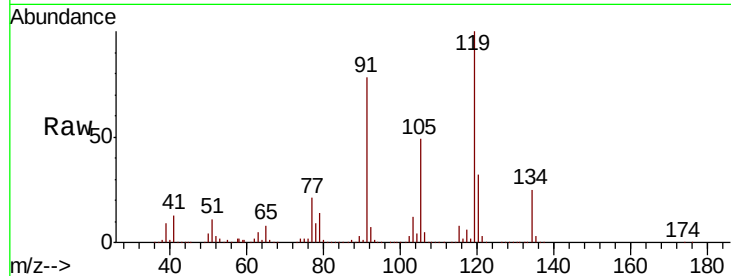
#65
tert-Butylbenzene
Concen: 8.478 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Instrument :
MSVOA_L
ClientSampled :
VL1110ABS01

Tot Ion:119 Resp: 5326935
Ion Ratio Lower Upper
119 100
91 78.0 62.0 93.0
134 22.1 17.8 26.8

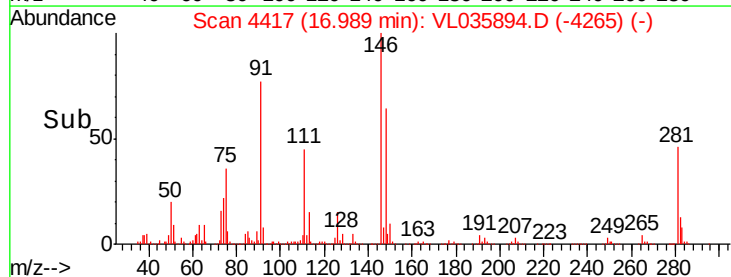
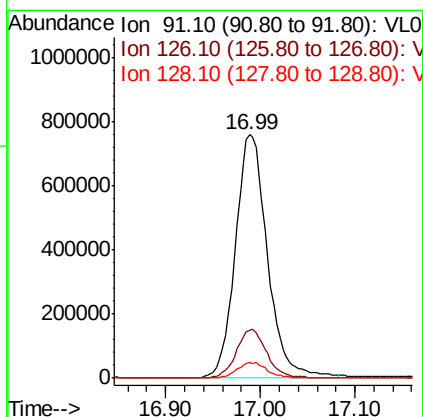
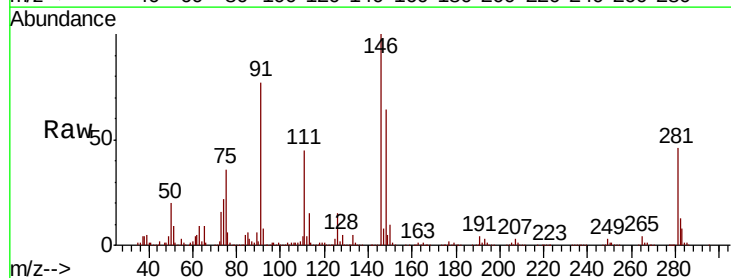
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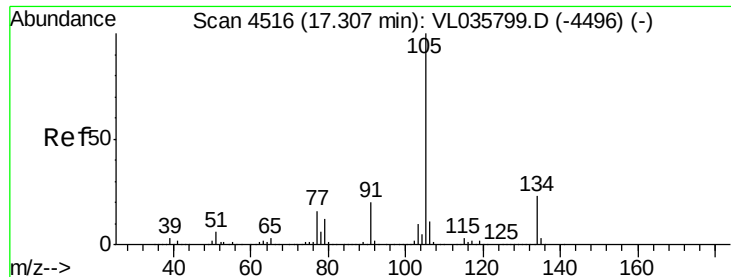
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#66
Benzyl Chloride
Concen: 8.582 ppbv
RT: 16.99 min Scan# 4417
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Tgt Ion: 91 Resp: 1782320
Ion Ratio Lower Upper
91 100
126 19.4 16.0 24.0
128 6.2 5.0 7.4





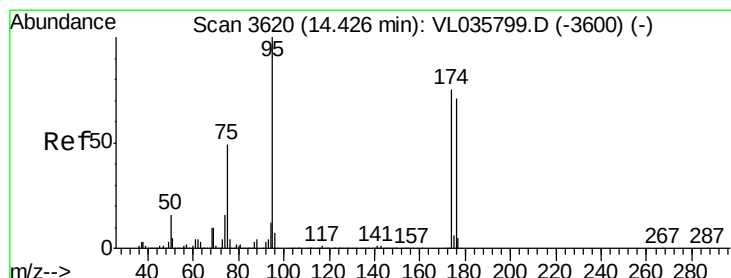
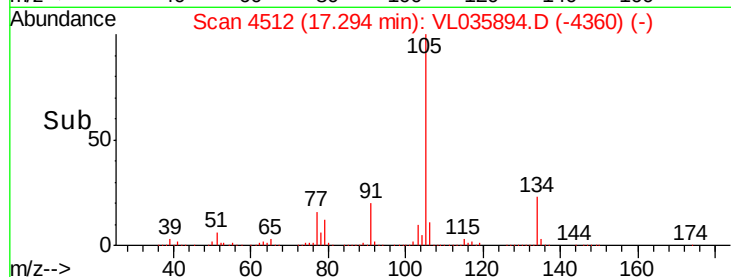
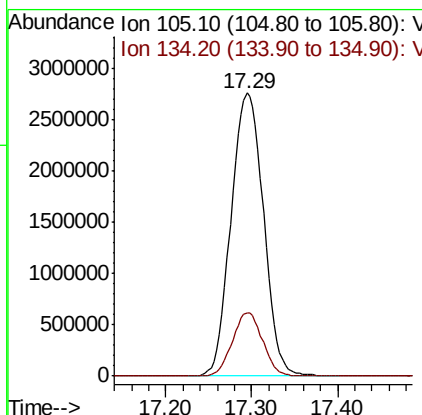
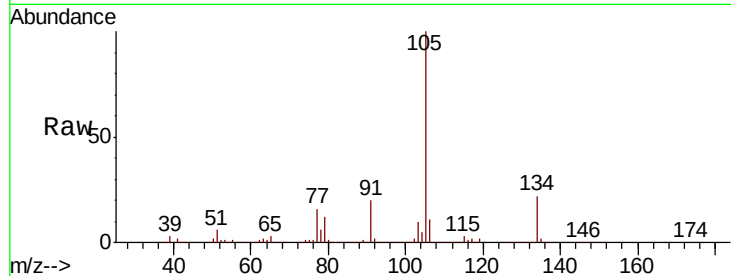
#67
 sec-Butylbenzene
 Concen: 8.525 ppbv
 RT: 17.29 min Scan# 4512
 Delta R.T. -0.01 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1110ABS01

Tot Ion: 105 Resp: 7218315
 Ion Ratio Lower Upper
 105 100
 134 21.0 17.0 25.6

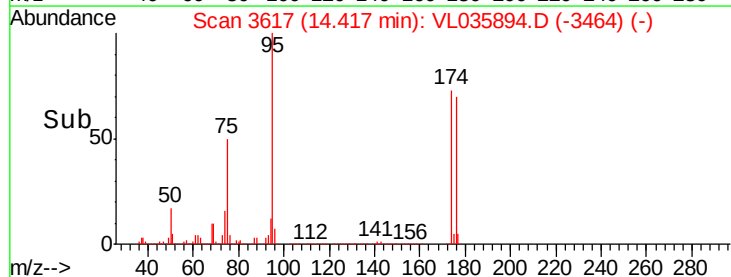
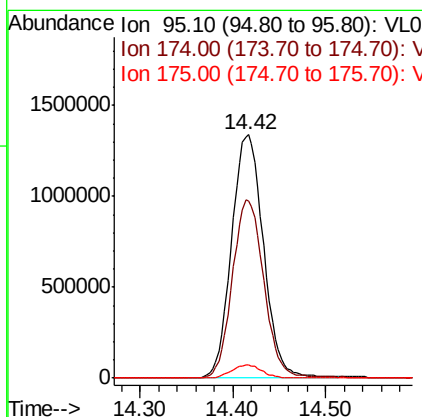
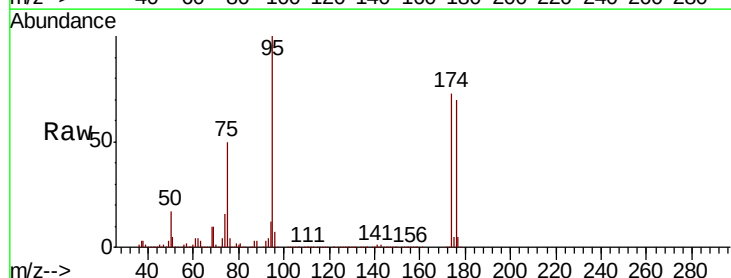
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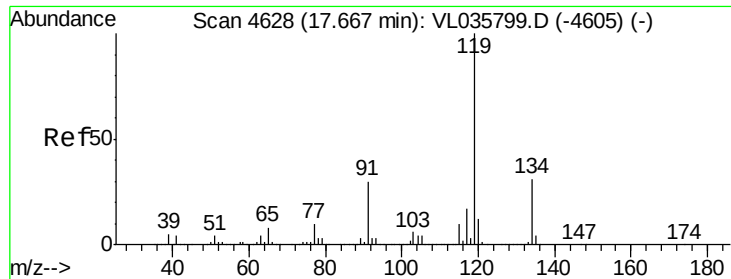
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.306 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Tgt Ion: 95 Resp: 3208044
 Ion Ratio Lower Upper
 95 100
 174 73.1 59.8 89.6
 175 5.2 4.3 6.5





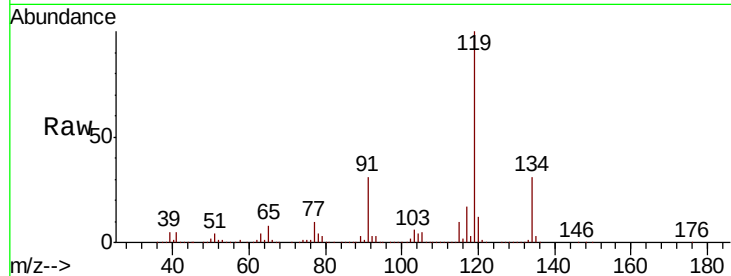
#69
p-Isopropyltoluene
Concen: 8.510 ppbv
RT: 17.65 min Scan# 4624
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VL1110ABS01

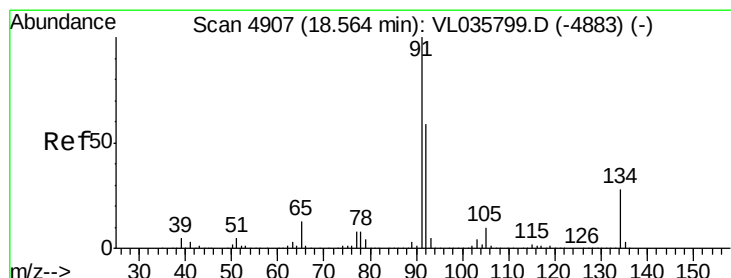
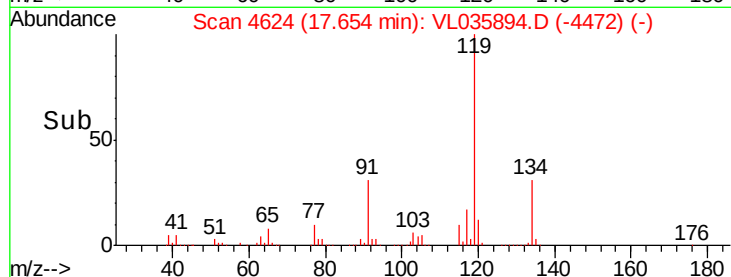
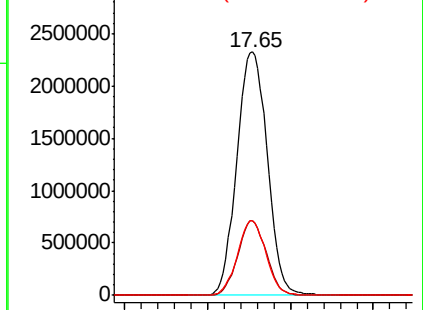
Tot Ion: 119 Resp: 5946561
Ion Ratio Lower Upper
119 100
134 28.6 23.0 34.6
91 28.7 22.8 34.2

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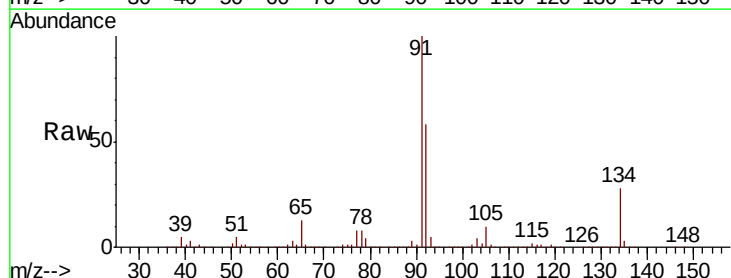


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

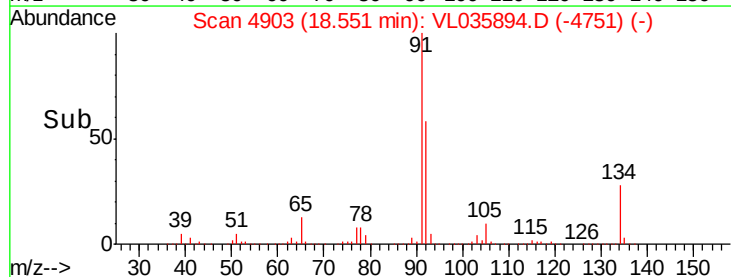
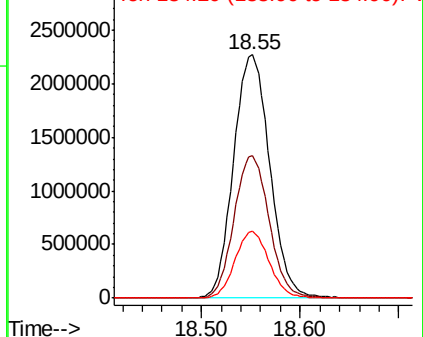


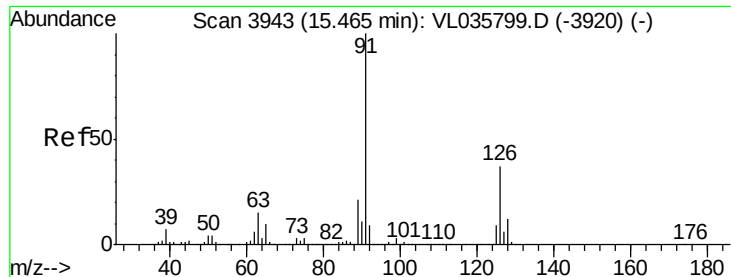
#70
n-Butylbenzene
Concen: 8.606 ppbv
RT: 18.55 min Scan# 4903
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Tgt Ion: 91 Resp: 5791061
Ion Ratio Lower Upper
91 100
92 56.9 45.7 68.5
134 25.9 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: 8.810 ppbv

RT: 15.46 min Scan# 3940

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VL1110ABS01

Tot Ion: 91 Resp: 4448194

Ion Ratio Lower Upper

91 100

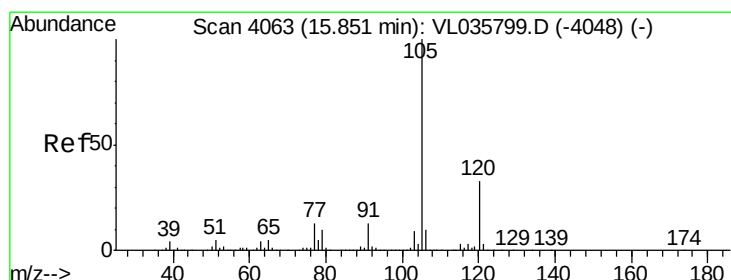
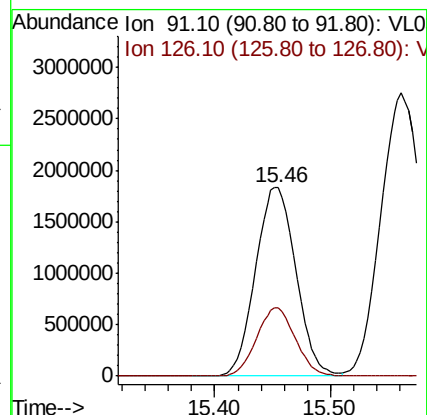
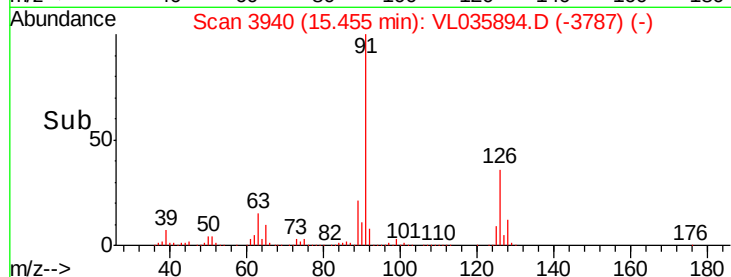
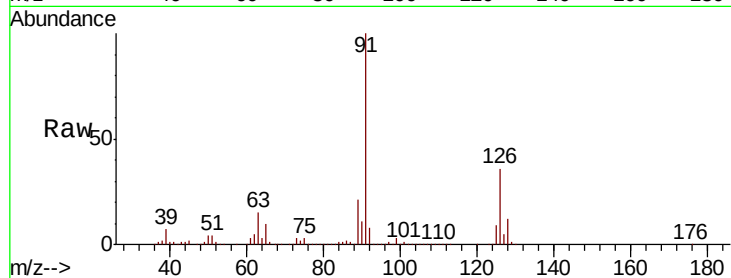
126 35.2 14.3 57.1

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#72

4-Ethyltoluene

Concen: 8.812 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Tgt Ion: 105 Resp: 4693960

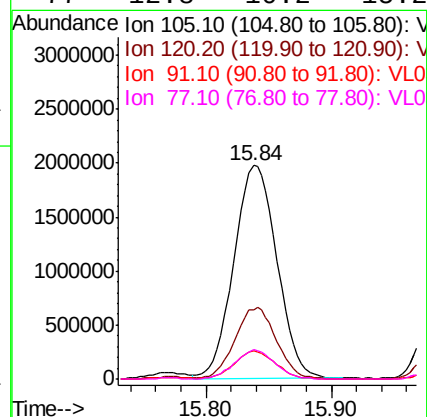
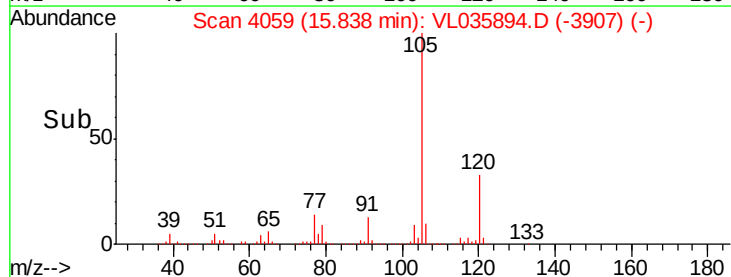
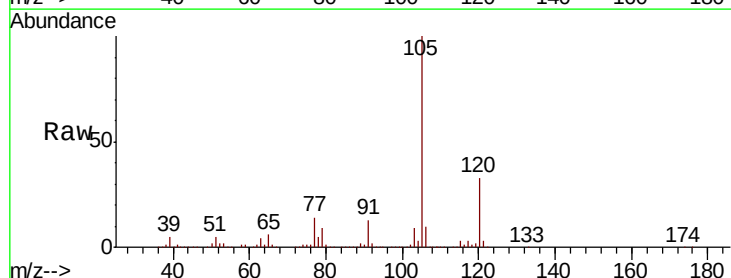
Ion Ratio Lower Upper

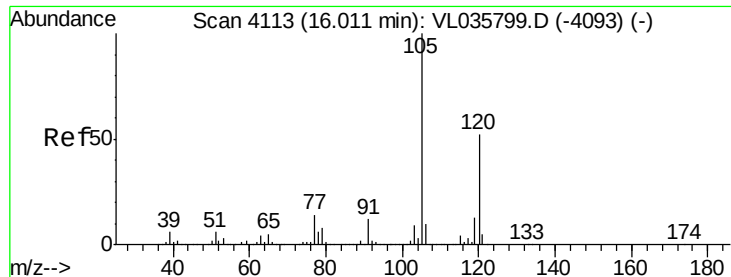
105 100

120 32.5 25.9 38.9

91 12.6 9.9 14.9

77 12.8 10.2 15.2





#73

1,3,5-Trimethylbenzene

Concen: 8.859 ppbv

RT: 16.00 min Scan# 4109

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Instrument :

MSVOA_L

ClientSampleId :

VL1110ABS01

Tot Ion:105 Resp: 4318288

Ion Ratio Lower Upper

105 100

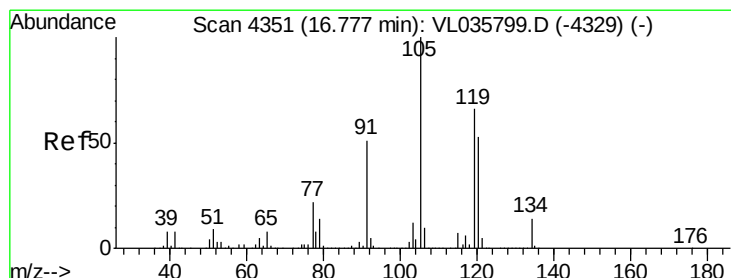
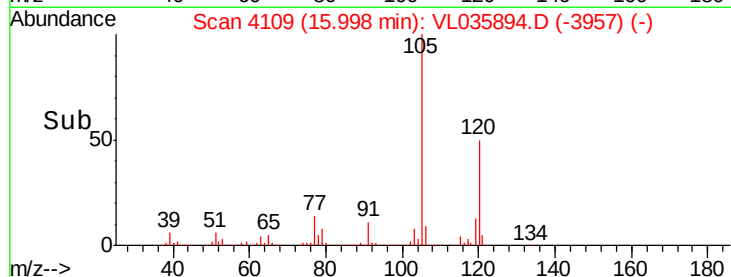
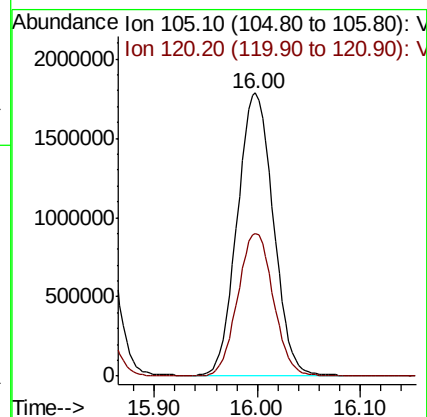
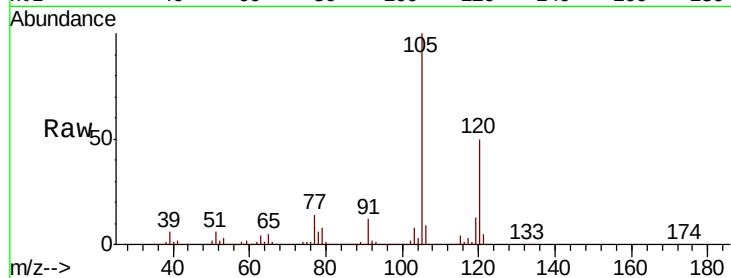
120 50.4 41.4 62.2

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#74

1,2,4-Trimethylbenzene

Concen: 8.556 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. -0.01 min

Lab File: VL035894.D

Acq: 10 Nov 2020 17:50

Tgt Ion:105 Resp: 4468987

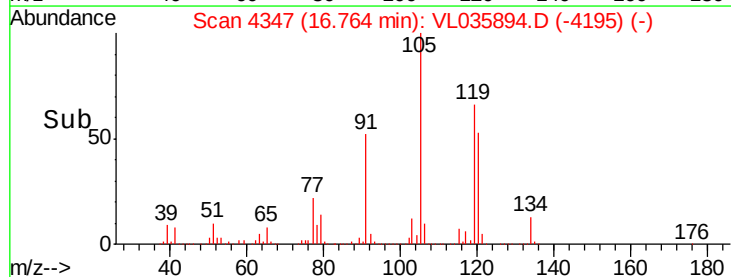
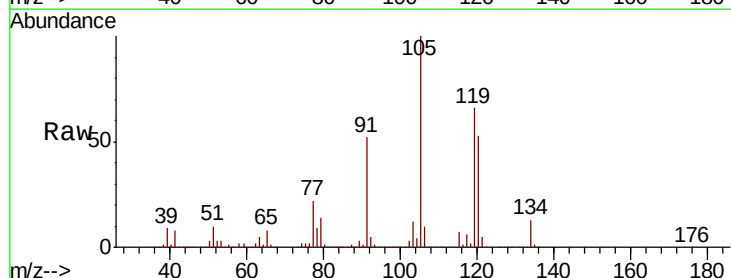
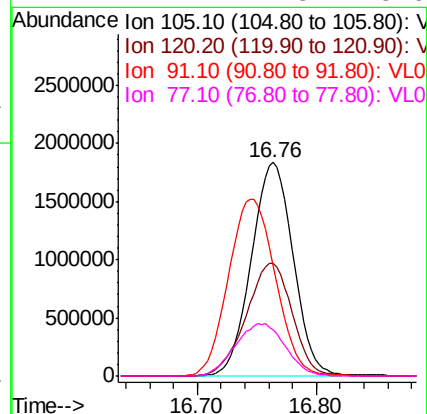
Ion Ratio Lower Upper

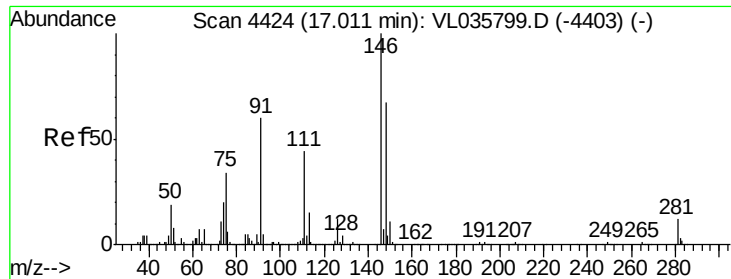
105 100

120 52.5 42.0 63.0

91 51.2 41.0 61.6

77 21.4 17.3 25.9





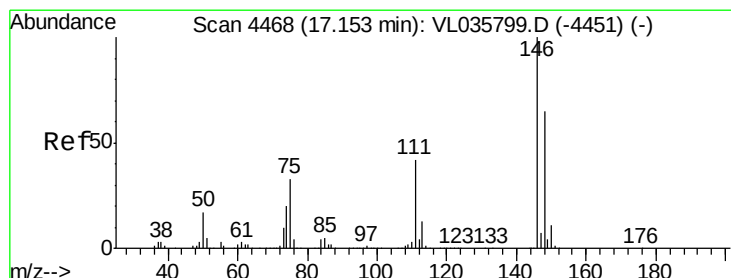
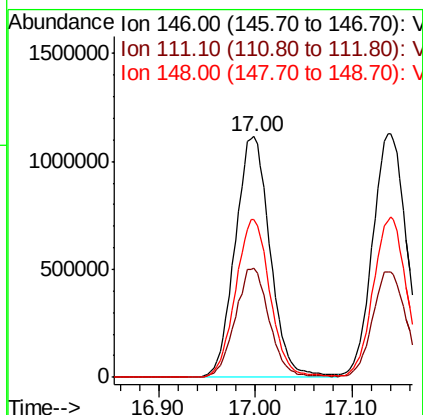
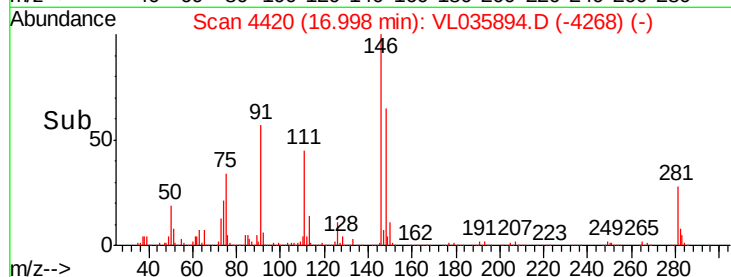
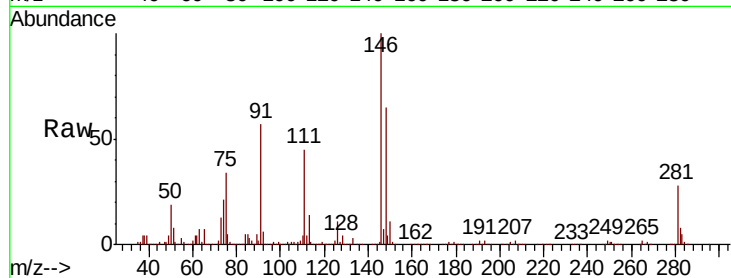
#75
 1,3-Dichlorobenzene
 Concen: 8.415 ppbv
 RT: 17.00 min Scan# 4420
 Delta R.T. -0.01 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1110ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.8	65.4
148	64.8	32.5	97.5

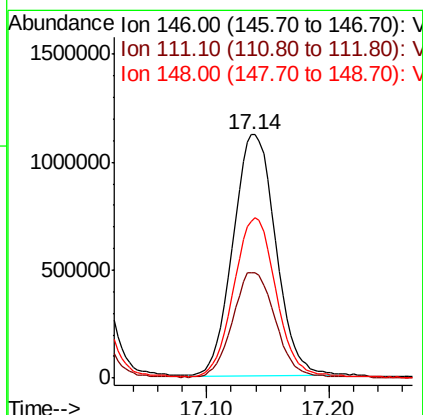
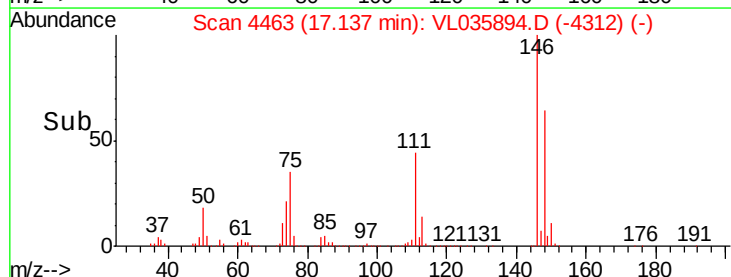
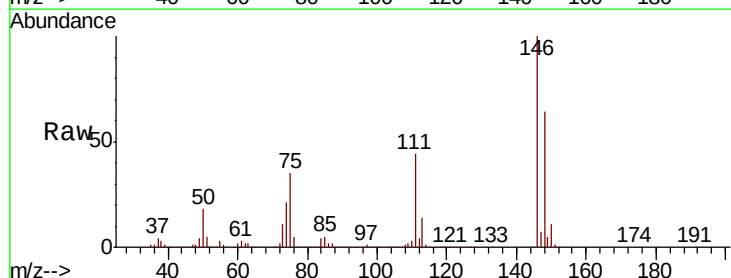
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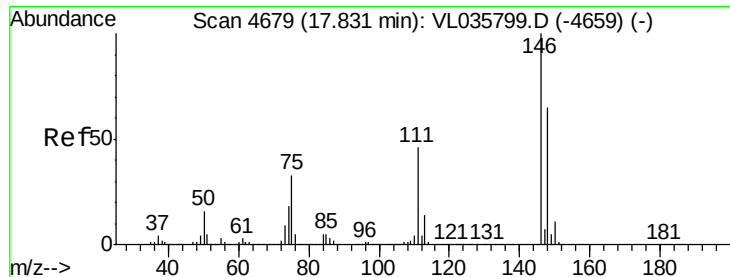
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#76
 1,4-Dichlorobenzene
 Concen: 8.457 ppbv
 RT: 17.14 min Scan# 4463
 Delta R.T. -0.02 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.3	63.7
148	66.5	33.0	99.0





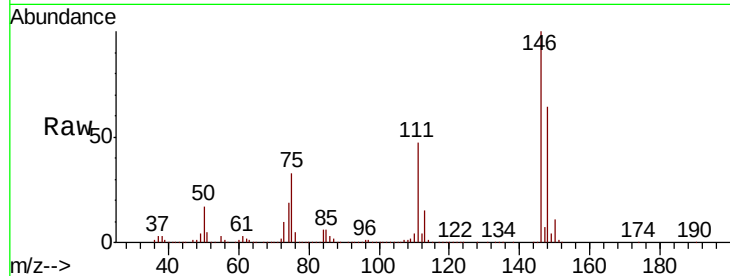
#77
 1,2-Dichlorobenzene
 Concen: 8.348 ppbv
 RT: 17.82 min Scan# 4675
 Delta R.T. -0.01 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Instrument :
 MSVOA_L
 ClientSampled :
 VL1110ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.4	67.0
148	65.2	32.5	97.5

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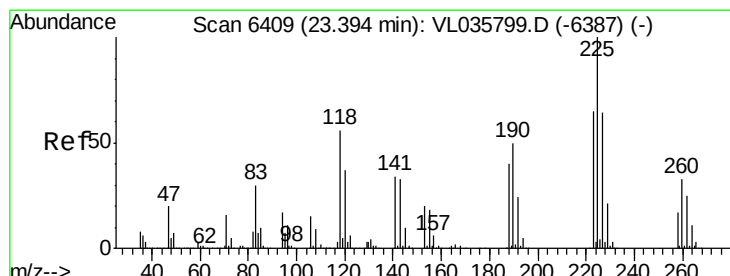
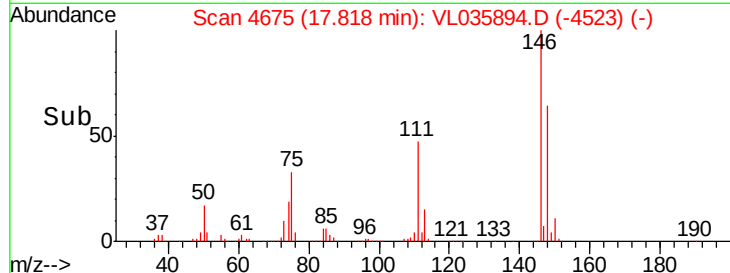
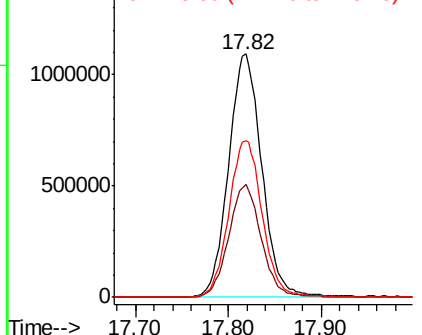


Abundance

Ion 146.00 (145.70 to 146.70): V

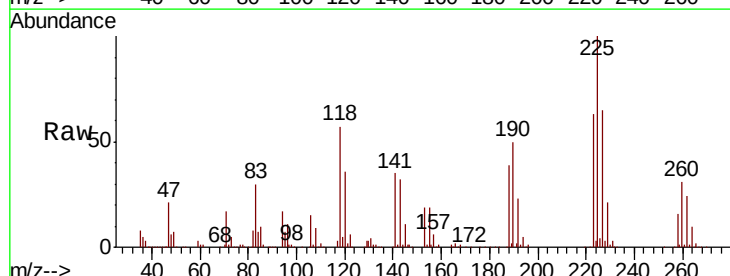
Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.561 ppbv
 RT: 23.38 min Scan# 6404
 Delta R.T. -0.02 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	51.0	76.6
227	64.8	51.2	76.8

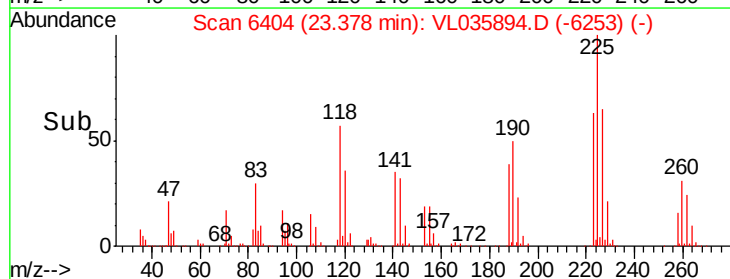
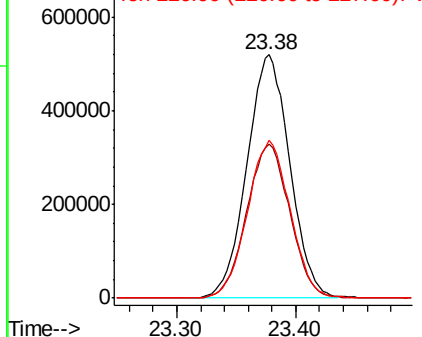


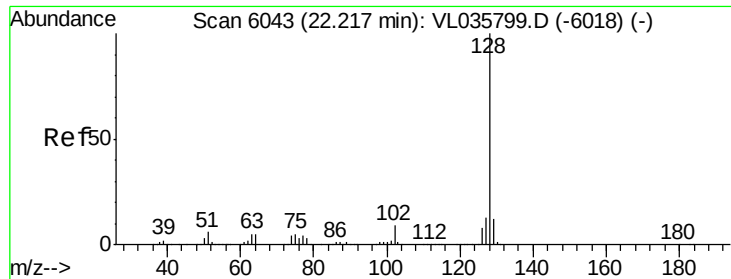
Abundance

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





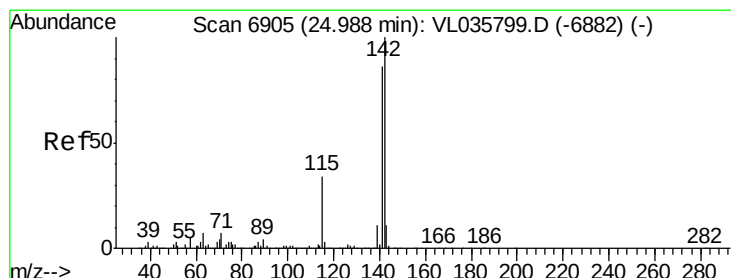
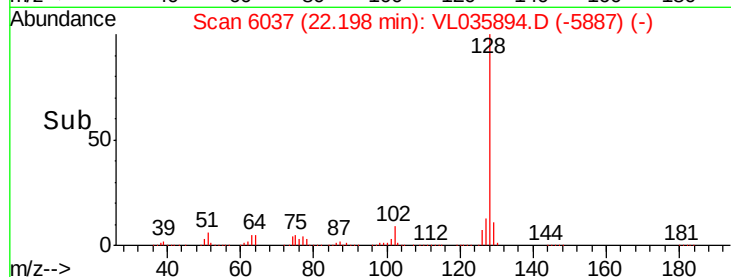
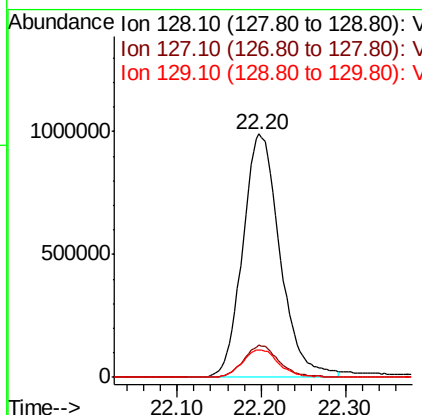
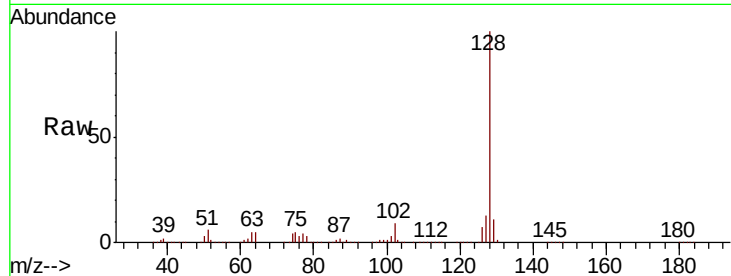
#79
Naphthalene
Concen: 8.358 ppbv
RT: 22.20 min Scan# 6037
Delta R.T. -0.02 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VL1110ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	11.1	9.2	13.8

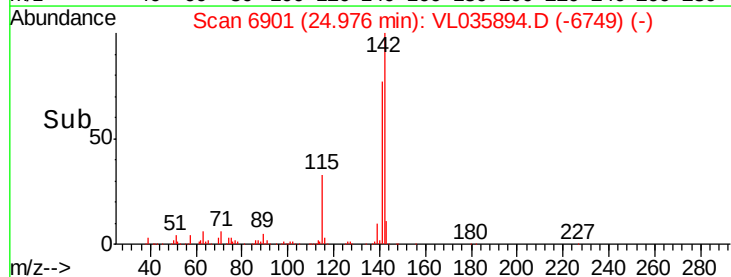
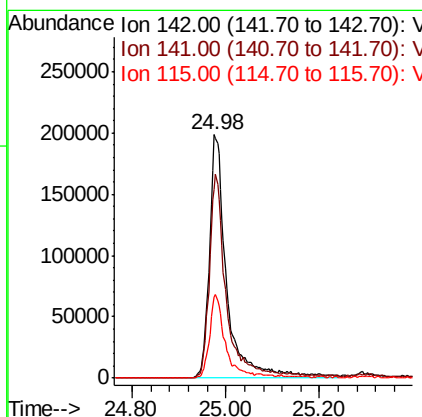
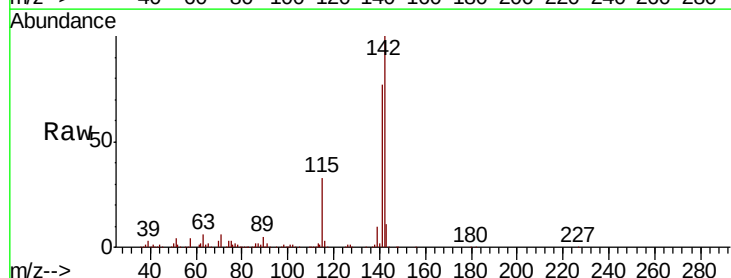
Manual Integrations
APPROVED

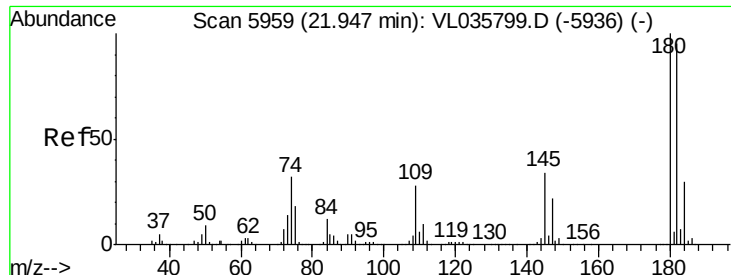
MMDadoda
11/12/2020 9:03:14 AM



#80
Naphthalene, 2-methyl-
Concen: 8.722 ppbv
RT: 24.98 min Scan# 6901
Delta R.T. -0.01 min
Lab File: VL035894.D
Acq: 10 Nov 2020 17:50

Tgt Ion	Ratio	Lower	Upper
142	100		
141	80.7	67.8	101.8
115	32.3	28.1	42.1





#81
 1,2,4-Trichlorobenzene
 Concen: 8.137 ppbv
 RT: 21.93 min Scan# 5954
 Delta R.T. -0.02 min
 Lab File: VL035894.D
 Acq: 10 Nov 2020 17:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1110ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.9	77.2	115.8
184	31.4	24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
 11/12/2020 9:03:14 AM

