

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110320\
 Data File : VL035799.D
 Acq On : 3 Nov 2020 10:30
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:13:05 PM

Quant Time: Nov 03 14:49:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 2
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1230599	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.18	114	4801765	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.10	117	4464913m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3293410	9.84	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	1923783	9.527	ppbv	100
3) Chlorodifluoromethane	2.98	51	1296686	9.794	ppbv	98
4) Chloromethane	3.14	50	646760	9.094	ppbv	99
5) Vinyl Chloride	3.25	62	796972	9.474	ppbv	100
6) Bromomethane	3.47	94	655852	9.223	ppbv	98
7) Chloroethane	3.56	64	291898	9.461	ppbv	100
8) Dichlorotetrafluoroethane	3.18	85	2265732	9.251	ppbv	100
9) Propene	3.01	41	491551	10.226	ppbv	100
10) Heptane	8.13	43	1356187	10.120	ppbv	99
11) Trichlorofluoromethane	3.95	101	2612989	9.070	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1961052	9.131	ppbv	100
13) Ethanol	3.61	45	88944	7.503	ppbv	94
14) Bromoethene	3.74	108	869199	9.608	ppbv	99
15) Acetone	3.85	43	1064750	8.041	ppbv	100
16) 1,3-Butadiene	3.32	39	501590	10.354	ppbv	100
17) tert-Butyl alcohol	4.29	59	1531840	10.620	ppbv	99
18) 1,1-Dichloroethene	4.29	96	893972	9.507	ppbv	99
19) Isopropyl Alcohol	3.97	45	702167	9.748	ppbv	99
20) Methylene Chloride	4.34	84	732228	7.528	ppbv	97
21) Allyl Chloride	4.41	41	665273	10.365	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	926430	9.325	ppbv	98
23) Vinyl Acetate	5.07	43	1612049	9.939	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1555955	8.808	ppbv	99
25) Ethyl Acetate	5.68	43	2309036	9.691	ppbv	99
26) Hexane	5.69	57	1237504	9.478	ppbv	96
27) Carbon Disulfide	4.55	76	2004821	10.302	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2180763	10.537	ppbv	100
29) Chloroform	5.75	83	2466957	9.304	ppbv	99
30) Cyclohexane	7.13	84	1332225	10.342	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1320644	10.478	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2446765	10.468	ppbv	99
34) 2-Butanone	5.24	43	1475947	9.293	ppbv	99
35) Carbon Tetrachloride	7.02	117	2448215	9.779	ppbv	97
36) Benzene	6.90	78	3167224	10.123	ppbv	100
37) 1,2-Dichloroethane	6.31	62	1550570	9.508	ppbv	100
38) Trichloroethene	7.84	130	1480128	9.483	ppbv	99
39) 1,2-Dichloropropane	7.62	63	1082361	9.544	ppbv	99
40) 1,4-Dioxane	7.83	88	510492	9.843	ppbv	98
41) Tetrahydrofuran	6.05	42	875140	10.937	ppbv	99
42) Bromodichloromethane	7.80	83	2626114	9.997	ppbv	99
43) Methyl Methacrylate	8.02	69	1294829	10.405	ppbv	99

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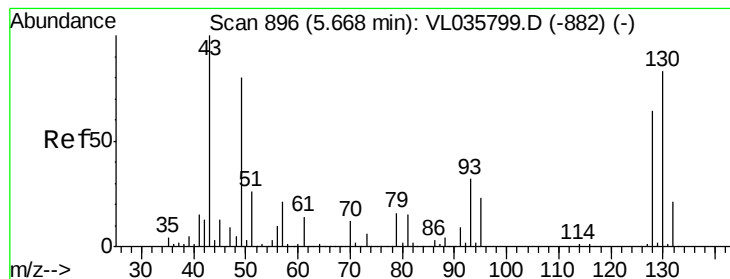
Manual Integrations
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Quant Time: Nov 03 14:49:04 2020
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 2
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4213897	9.386	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1436215	11.432	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1748291	11.289	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	1466641	9.029	ppbv	99
48) Dibromochloromethane	10.31	129	2427153	9.818	ppbv	100
49) Bromoform	13.05	173	2078262	9.907	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2280087	9.829	ppbv	99
51) 2-Hexanone	10.14	43	1862506	9.965	ppbv #	99
52) Tetrachloroethene	11.23	164	1390863	9.244	ppbv	99
53) Toluene	9.81	91	3813582	10.336	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2245515	9.232	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	1865585	9.965	ppbv	96
57) Chlorobenzene	12.16	112	3070327	9.104	ppbv	98
58) Ethyl Benzene	12.72	91	4866284	10.859	ppbv	98
59) m/p-Xylene	13.01	91	8216779m	20.996	ppbv	
60) o-Xylene	13.70	91	3976827	10.045	ppbv	99
61) Styrene	13.54	104	3079375	11.249	ppbv	100
62) Isopropylbenzene	14.68	105	5994220	9.762	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	2814774	8.671	ppbv	100
64) n-propylbenzene	15.58	120	1779083	9.899	ppbv	94
65) tert-Butylbenzene	16.76	119	5332554	9.552	ppbv	99
66) Benzyl Chloride	17.00	91	1921017	11.357	ppbv	98
67) sec-Butylbenzene	17.31	105	7128857	9.247	ppbv	99
69) p-Isopropyltoluene	17.67	119	5910560	9.423	ppbv	98
70) n-Butylbenzene	18.56	91	5794132	8.971	ppbv	98
71) 2-Chlorotoluene	15.46	91	4483095	10.009	ppbv	100
72) 4-Ethyltoluene	15.85	105	4734524	10.095	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	4351362	9.819	ppbv	97
74) 1,2,4-Trimethylbenzene	16.78	105	4493445	8.994	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	2871840	8.420	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	2833248	8.690	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2757096	8.558	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1289044	7.253	ppbv	99
79) Naphthalene	22.22	128	3192439	6.700	ppbv	99
80) Naphthalene,2-methyl-	24.99	142	632868	5.631	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	1749222	7.084	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

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VSTDICCC010

Tgt Ion: 49 Resp: 1230599

Ion Ratio Lower Upper

49 100

128 83.1 43.1 129.4

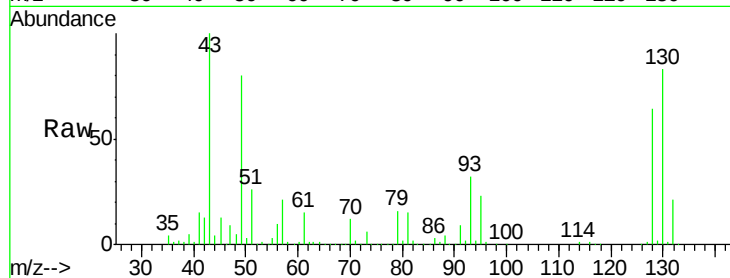
130 107.4 54.9 164.7

Manual Integrations

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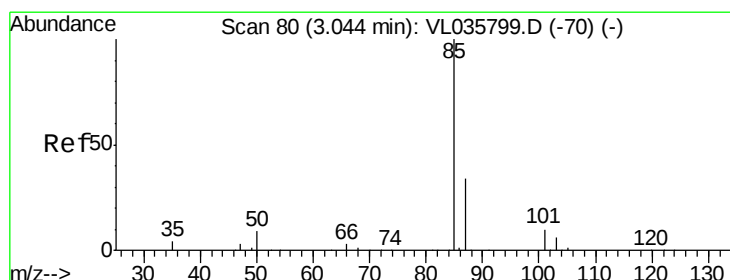
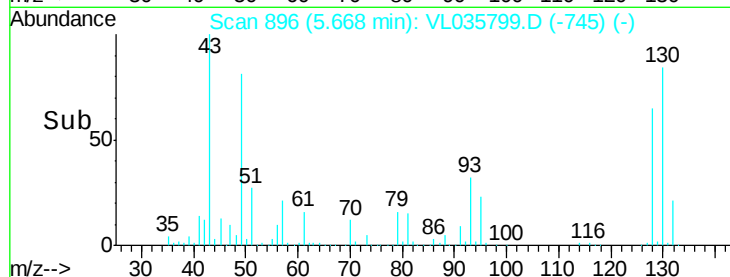
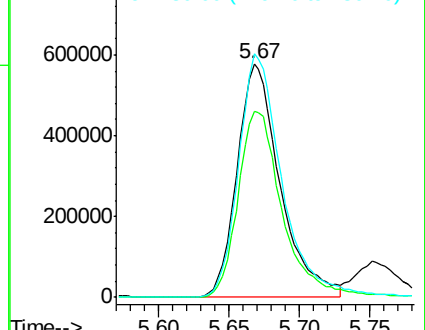
11/5/2020 2:13:05 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.527 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL035799.D

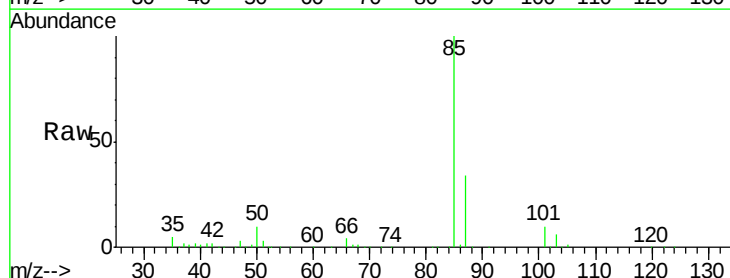
Acq: 3 Nov 2020 10:30

Tgt Ion: 85 Resp: 1923783

Ion Ratio Lower Upper

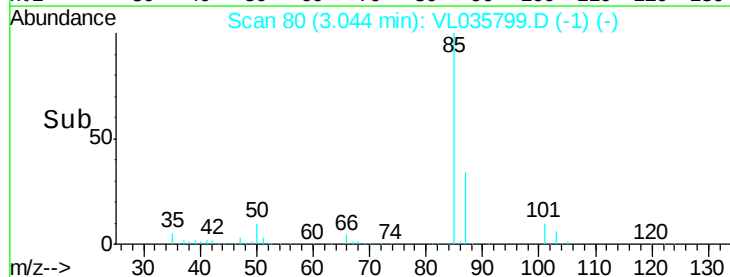
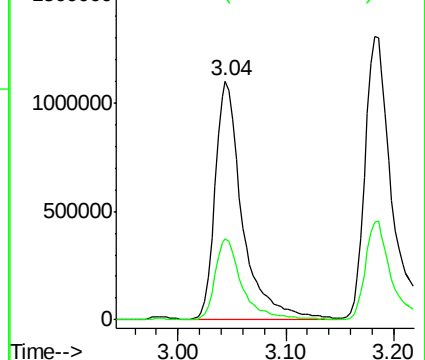
85 100

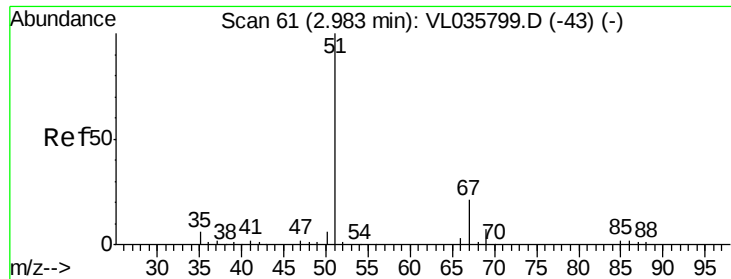
87 33.9 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.794 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL035799.D

Acq: 3 Nov 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 51 Resp: 1296686

Ion Ratio Lower Upper

51 100

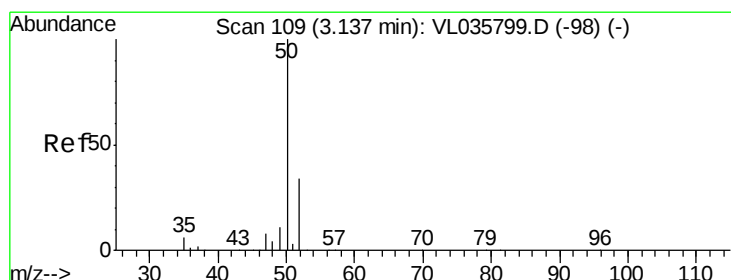
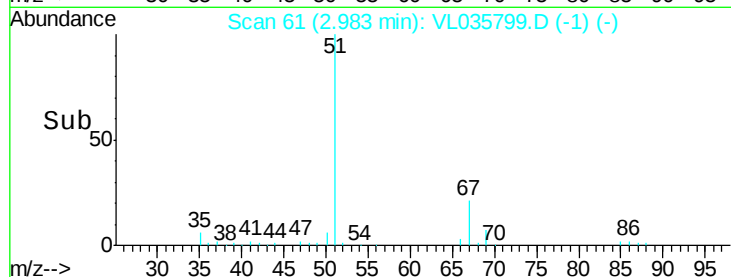
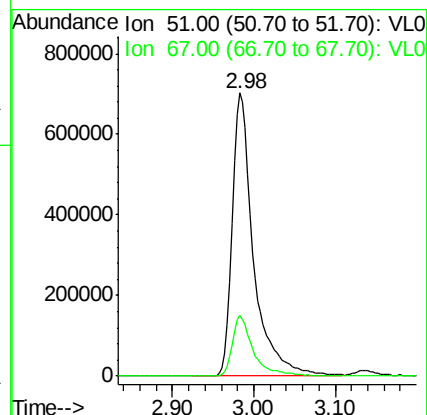
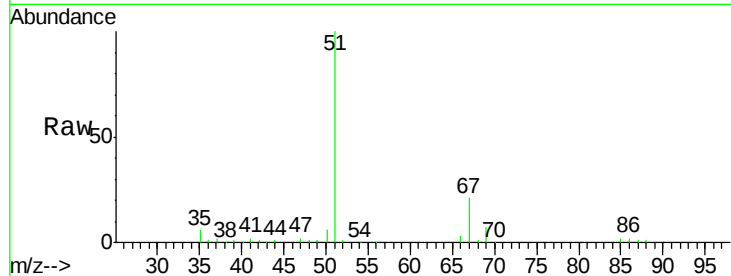
67 21.2 17.8 26.8

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#4

Chloromethane

Concen: 9.094 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL035799.D

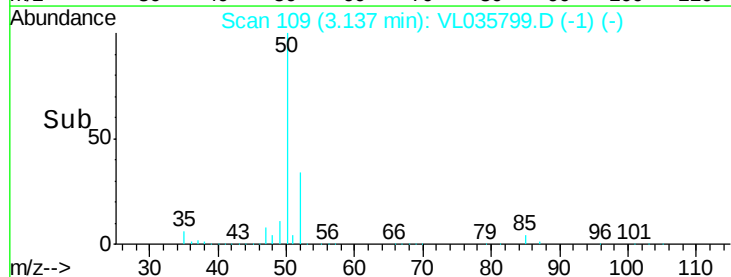
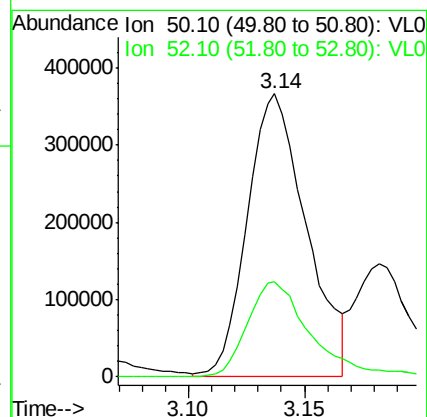
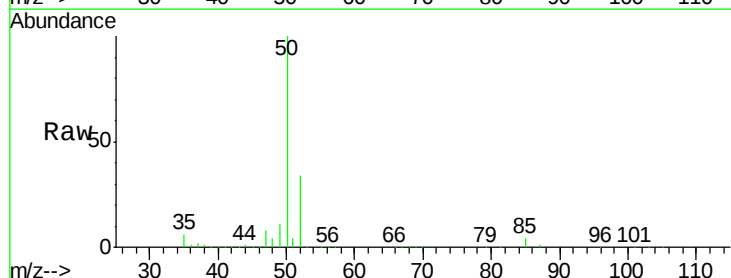
Acq: 3 Nov 2020 10:30

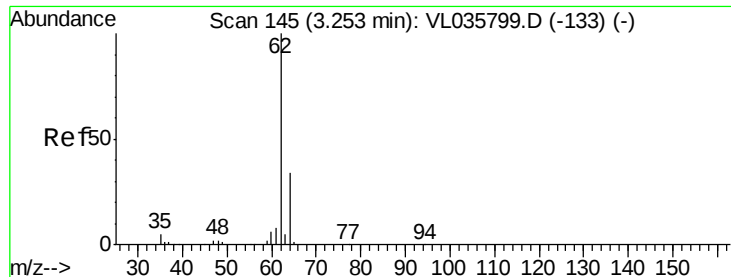
Tgt Ion: 50 Resp: 646760

Ion Ratio Lower Upper

50 100

52 33.9 26.8 40.2





#5

Vinyl Chloride

Concen: 9.474 ppbv

RT: 3.25 min Scan# 145

Delta R.T. -0.00 min

Lab File: VL035799.D

Acq: 3 Nov 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 62 Resp: 796972

Ion Ratio Lower Upper

62 100

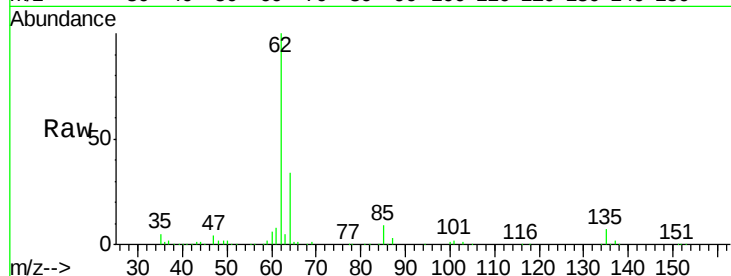
64 33.6 26.8 40.2

Manual Integrations

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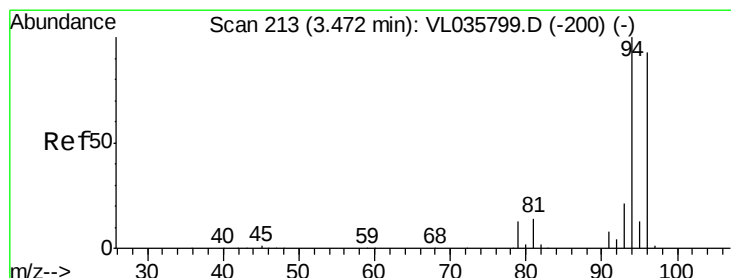
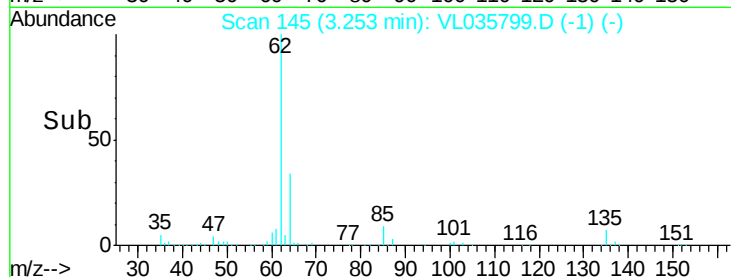
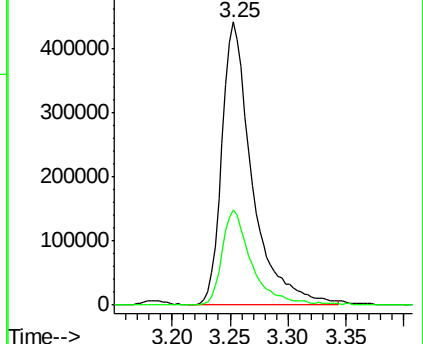
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.223 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL035799.D

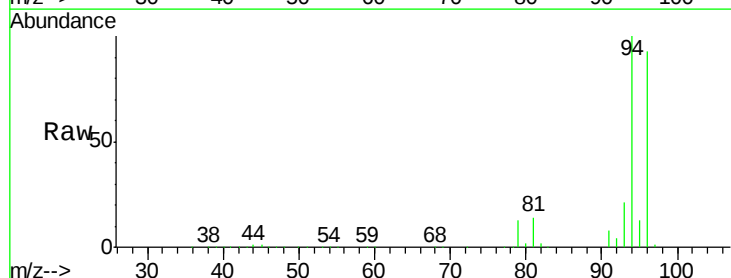
Acq: 3 Nov 2020 10:30

Tgt Ion: 94 Resp: 655852

Ion Ratio Lower Upper

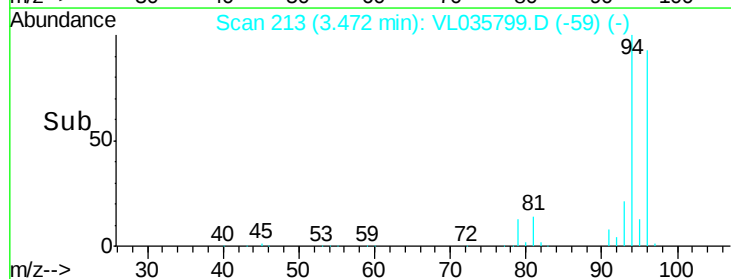
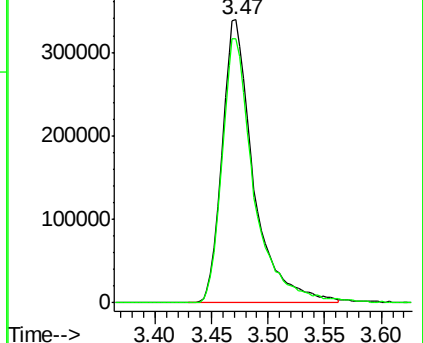
94 100

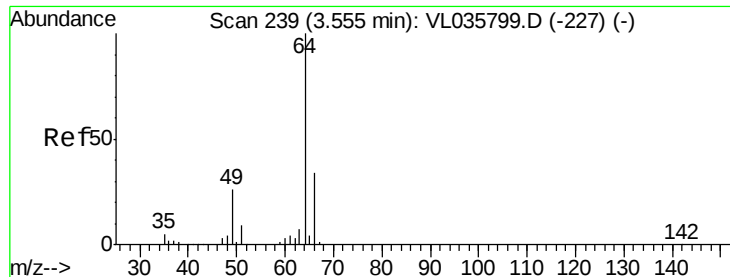
96 93.2 76.3 114.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.461 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.00 min

Lab File: VL035799.D

Acq: 3 Nov 2020 10:30

Instrument :

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ClientSampleId :

VSTDICCC010

Tgt Ion: 64 Resp: 291898

Ion Ratio Lower Upper

64 100

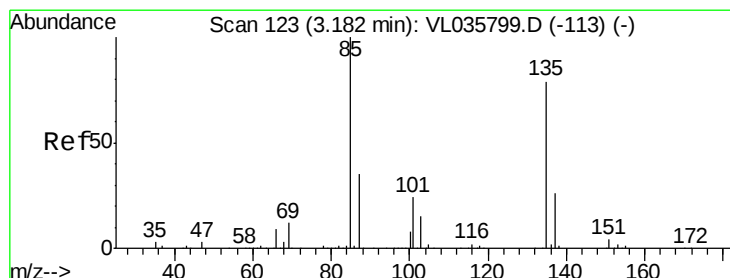
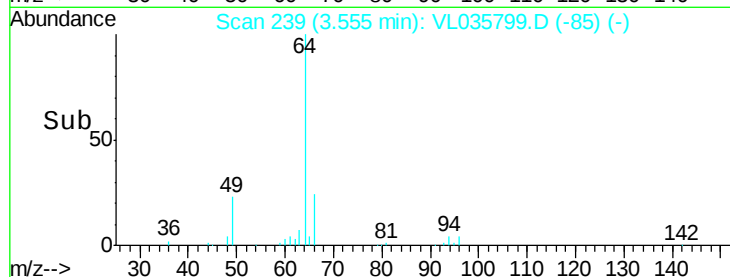
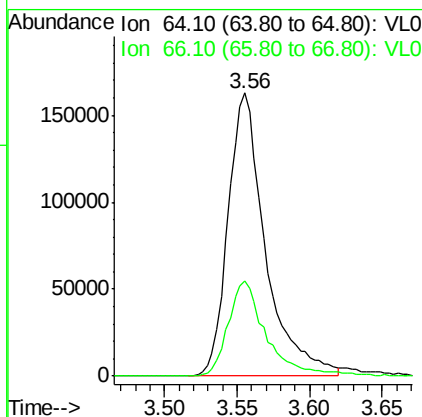
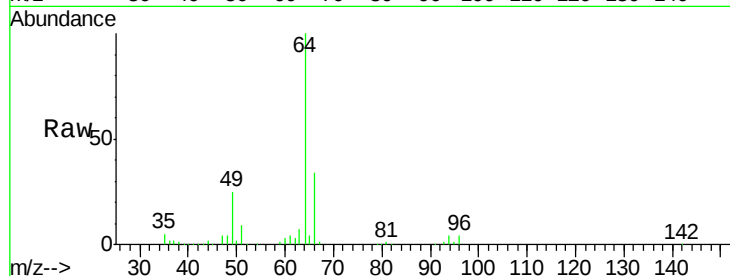
66 33.8 26.9 40.3

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#8

Dichlorotetrafluoroethane

Concen: 9.251 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL035799.D

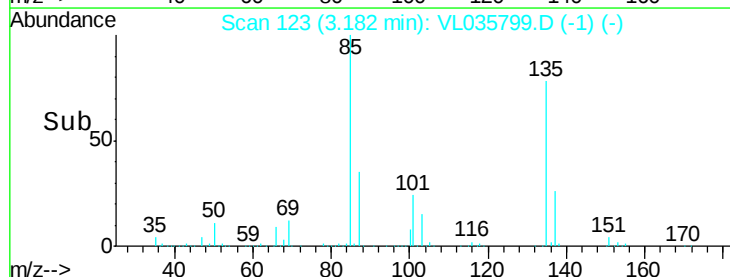
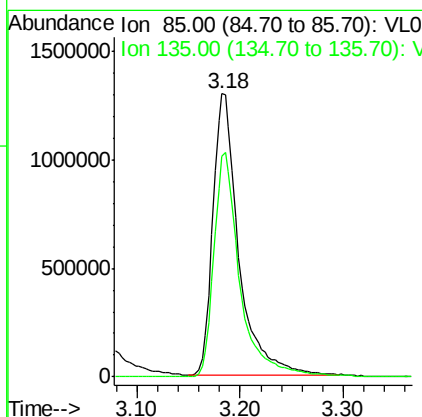
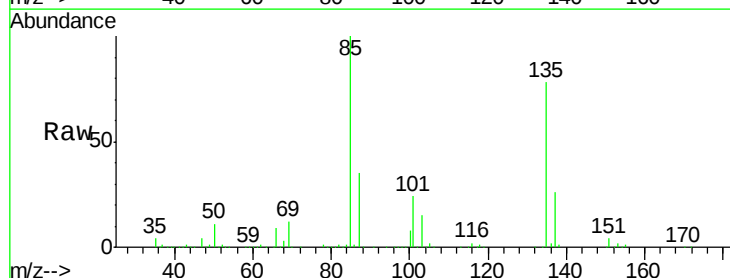
Acq: 3 Nov 2020 10:30

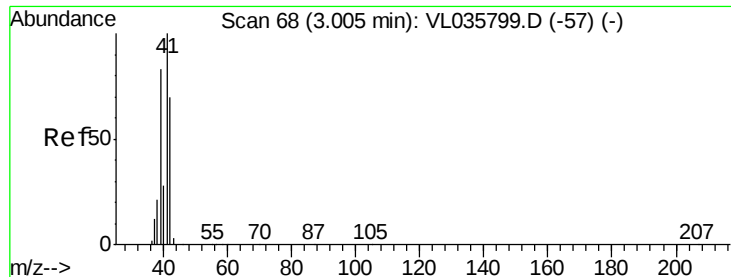
Tgt Ion: 85 Resp: 2265732

Ion Ratio Lower Upper

85 100

135 80.7 64.3 96.5





#9

Propene

Concen: 10.226 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL035799.D

Acq: 3 Nov 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 41 Resp: 491551

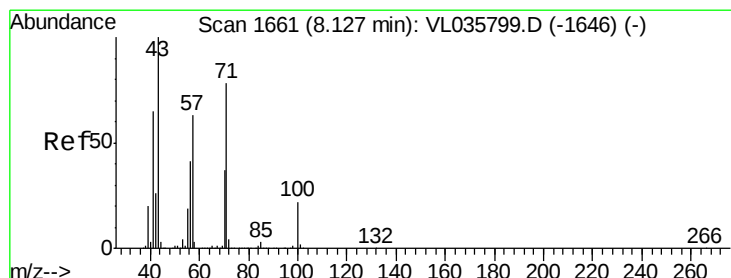
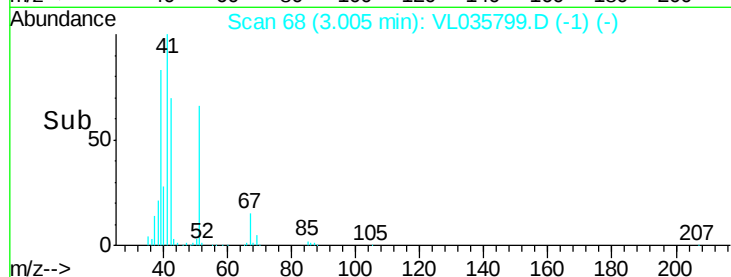
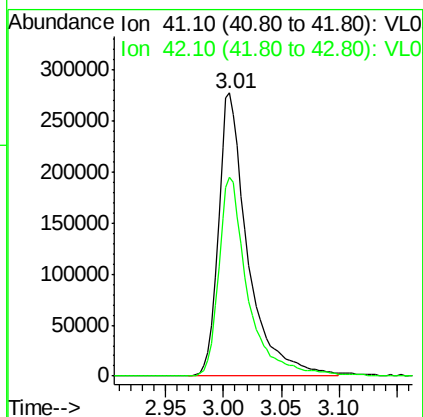
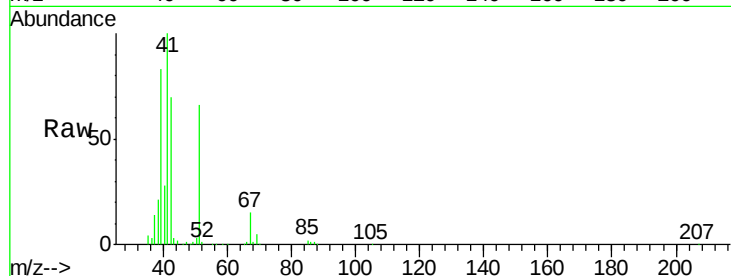
Ion Ratio Lower Upper

41 100

42 70.3 56.2 84.4

Manual Integrations
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#10

Heptane

Concen: 10.120 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.01 min

Lab File: VL035799.D

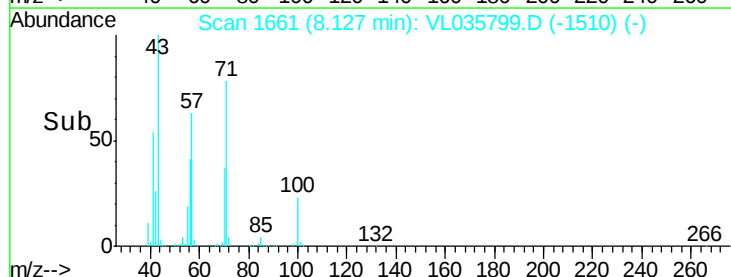
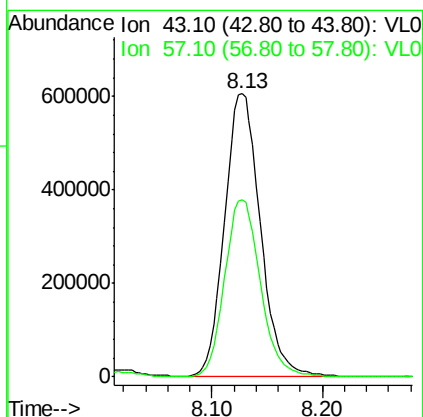
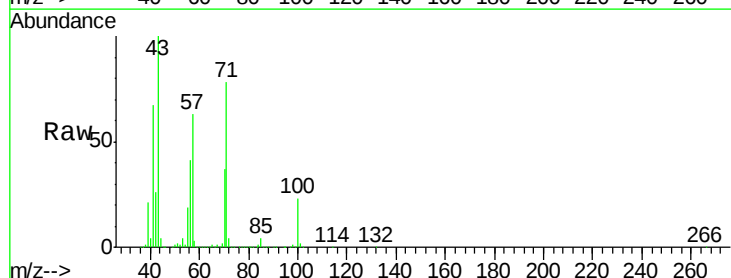
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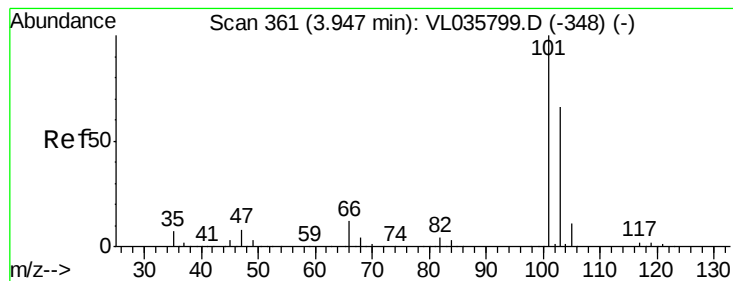
Tgt Ion: 43 Resp: 1356187

Ion Ratio Lower Upper

43 100

57 62.5 50.4 75.6





#11

Trichlorofluoromethane

Concen: 9.070 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.01 min

Lab File: VL035799.D

Acq: 3 Nov 2020 10:30

Instrument :

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ClientSampleId :

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Tgt Ion:101 Resp: 2612989

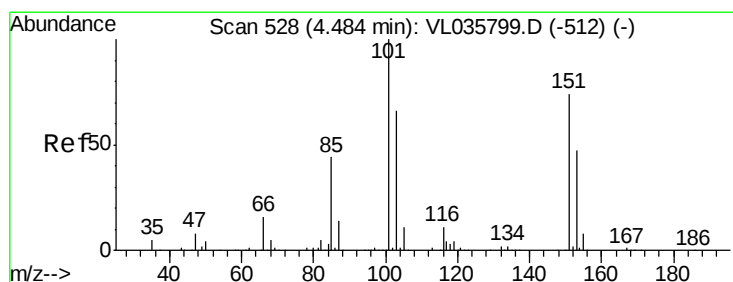
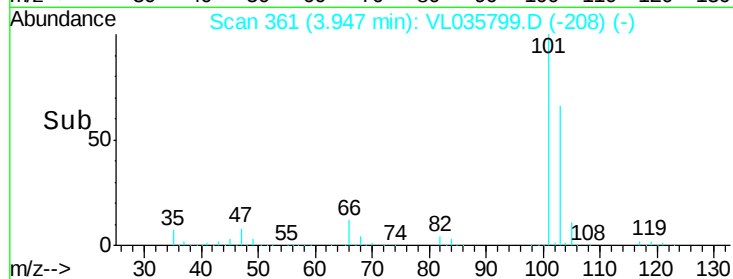
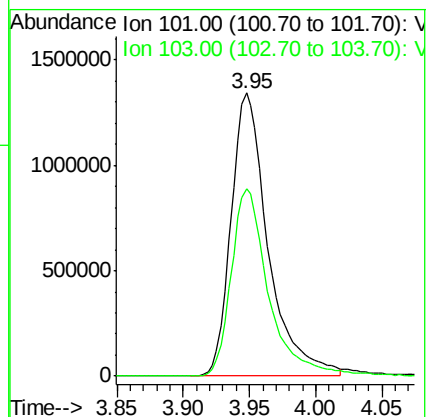
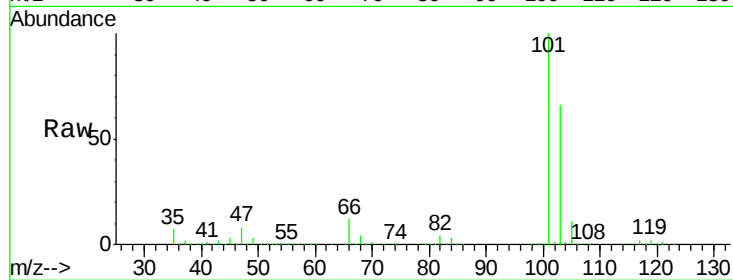
Ion Ratio Lower Upper

101 100

103 66.2 55.6 83.4

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.131 ppbv

RT: 4.48 min Scan# 528

Delta R.T. -0.01 min

Lab File: VL035799.D

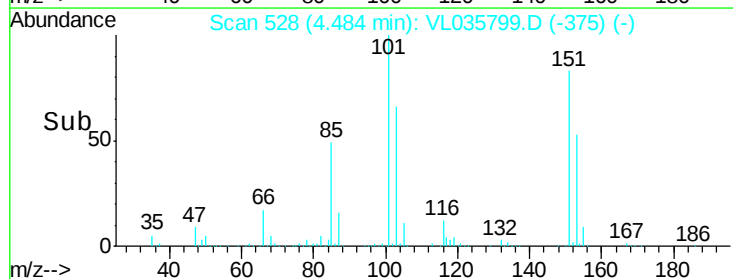
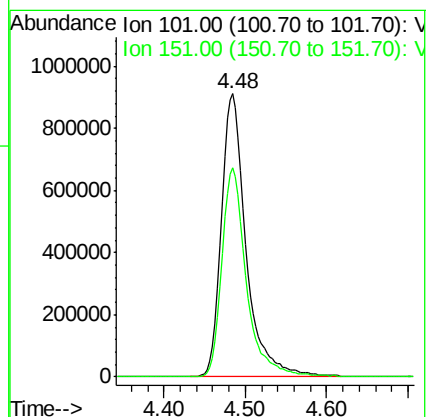
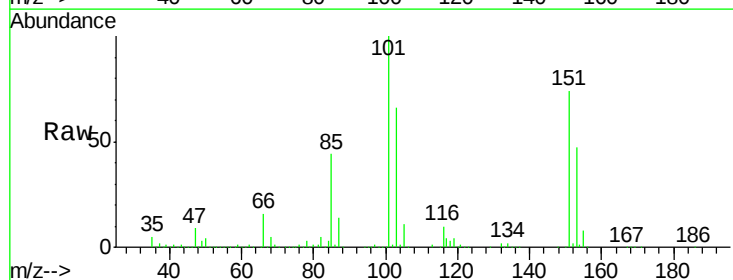
Acq: 3 Nov 2020 10:30

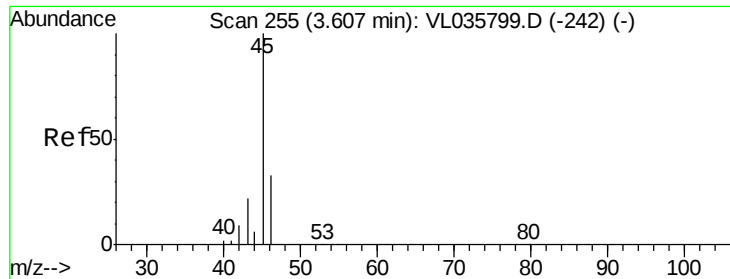
Tgt Ion:101 Resp: 1961052

Ion Ratio Lower Upper

101 100

151 73.6 59.1 88.7





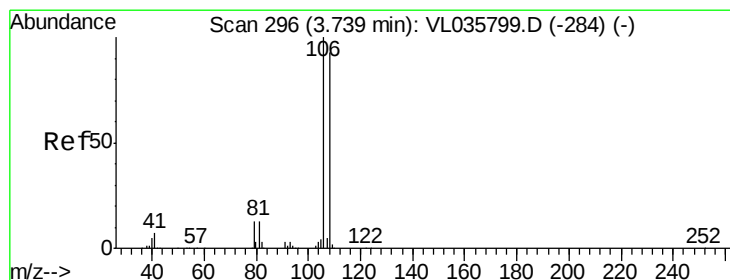
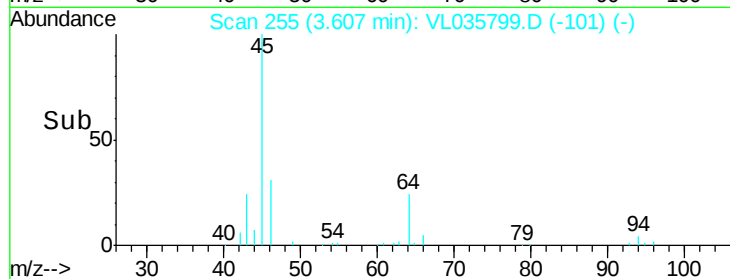
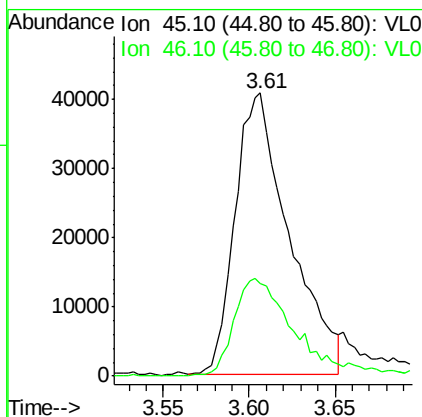
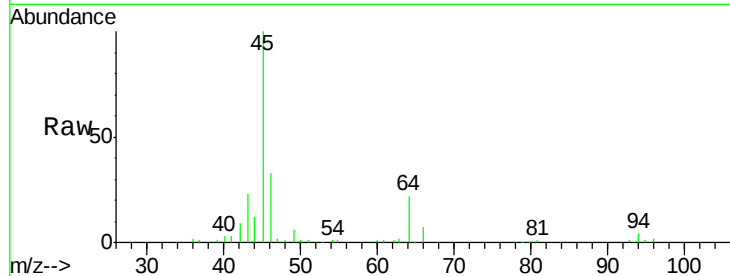
#13
Ethanol
Concen: 7.503 ppbv
RT: 3.61 min Scan# 255
Delta R.T. -0.00 min
Lab File: VL035799.D
Acq: 3 Nov 2020 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 88944
Ion Ratio Lower Upper
45 100
46 40.3 14.7 58.7

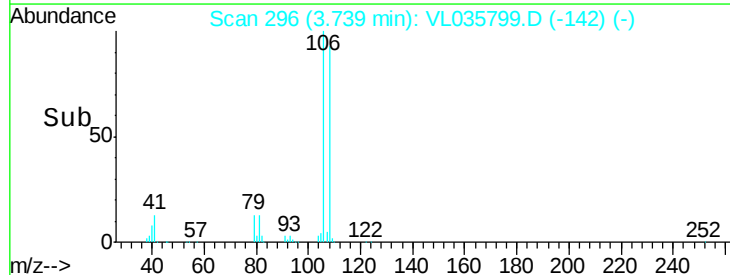
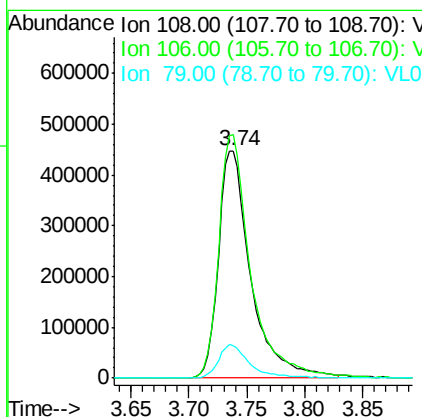
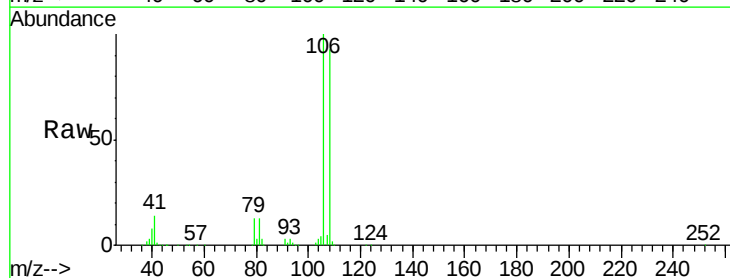
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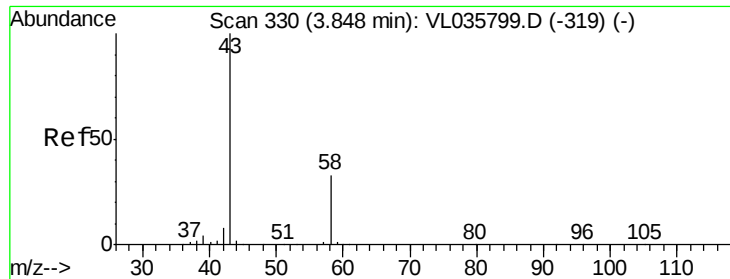
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#14
Bromoethene
Concen: 9.608 ppbv
RT: 3.74 min Scan# 296
Delta R.T. -0.00 min
Lab File: VL035799.D
Acq: 3 Nov 2020 10:30

Tgt Ion: 108 Resp: 869199
Ion Ratio Lower Upper
108 100
106 106.6 84.6 126.8
79 14.5 11.6 17.4





#15

Acetone

Concen: 8.041 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.01 min

Lab File: VL035799.D

Acq: 3 Nov 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 1064750

Ion Ratio Lower Upper

43 100

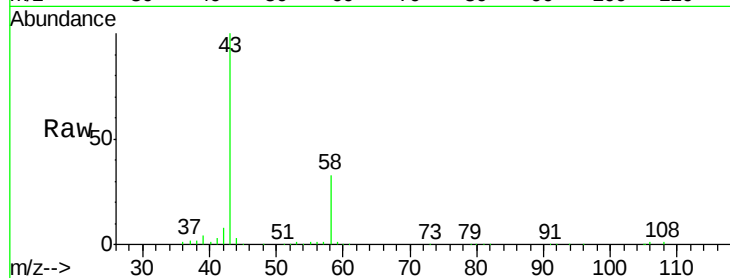
58 34.4 27.3 40.9

Manual Integrations

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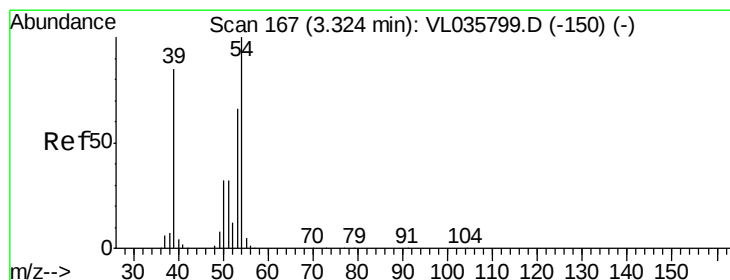
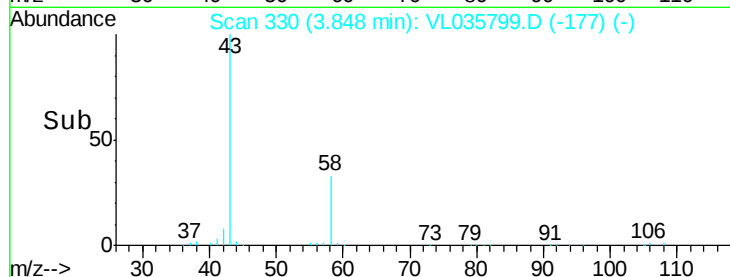
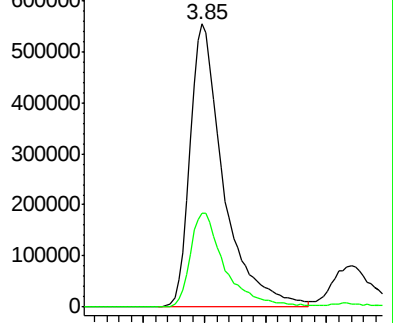
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.354 ppbv

RT: 3.32 min Scan# 167

Delta R.T. -0.00 min

Lab File: VL035799.D

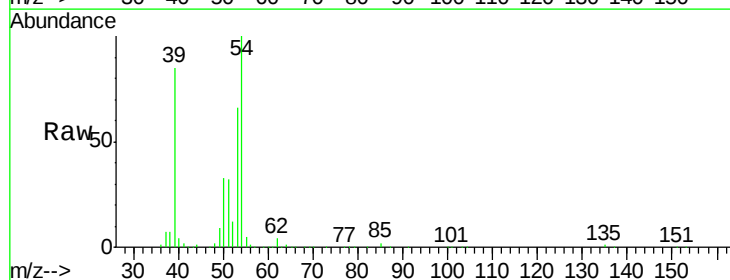
Acq: 3 Nov 2020 10:30

Tgt Ion: 39 Resp: 501590

Ion Ratio Lower Upper

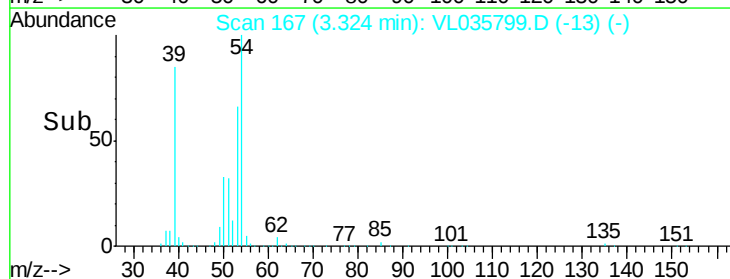
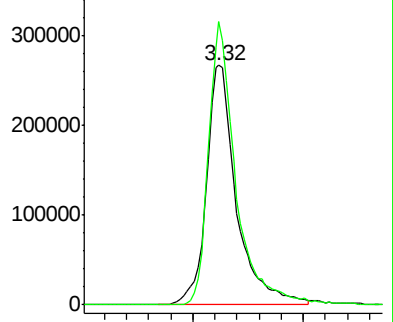
39 100

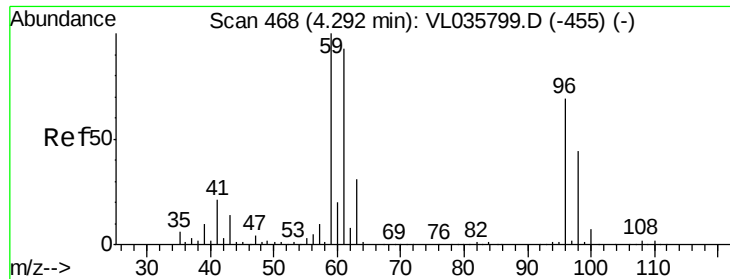
54 108.9 87.4 131.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 10.620 ppbv

RT: 4.29 min Scan# 468

Delta R.T. -0.01 min

Lab File: VL035799.D

Acq: 3 Nov 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 59 Resp: 1531840

Ion Ratio Lower Upper

59 100

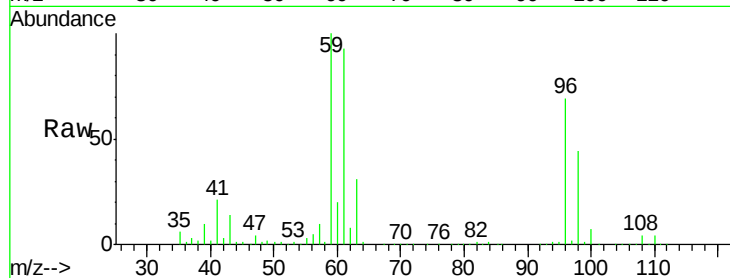
57 10.3 8.5 12.7

Manual Integrations

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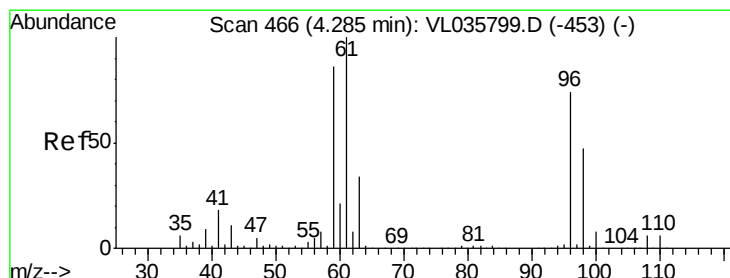
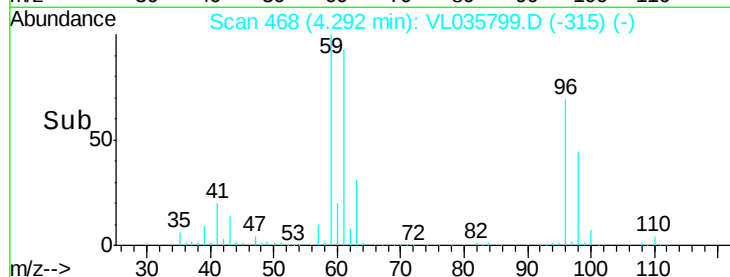
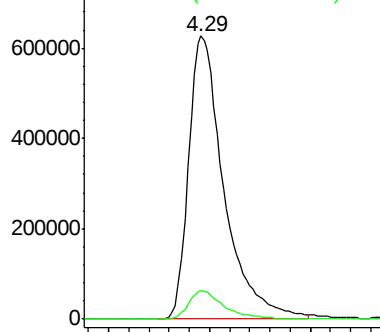
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Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 9.507 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.01 min

Lab File: VL035799.D

Acq: 3 Nov 2020 10:30

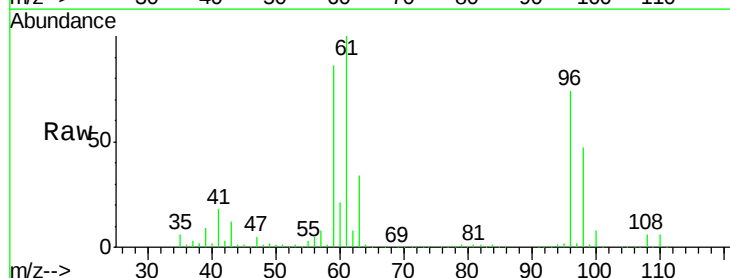
Tgt Ion: 96 Resp: 893972

Ion Ratio Lower Upper

96 100

61 135.6 106.7 160.1

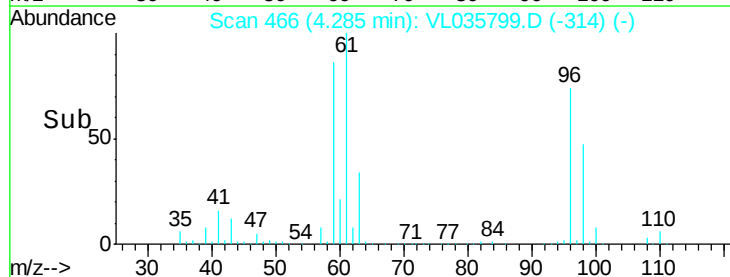
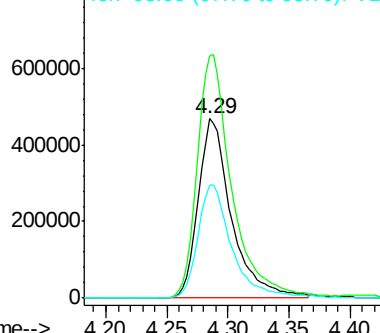
98 63.4 50.8 76.2

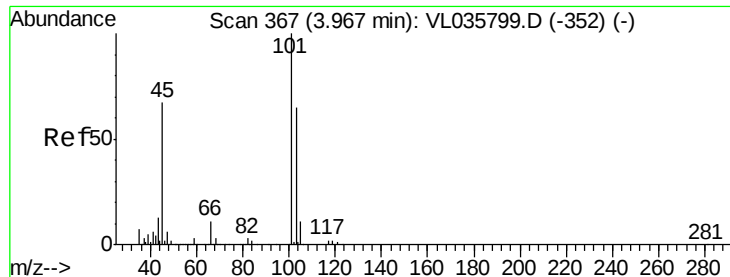


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 9.748 ppbv

RT: 3.97 min Scan# 367

Delta R.T. -0.01 min

Lab File: VL035799.D

Acq: 3 Nov 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 45 Resp: 702167

Ion Ratio Lower Upper

45 100

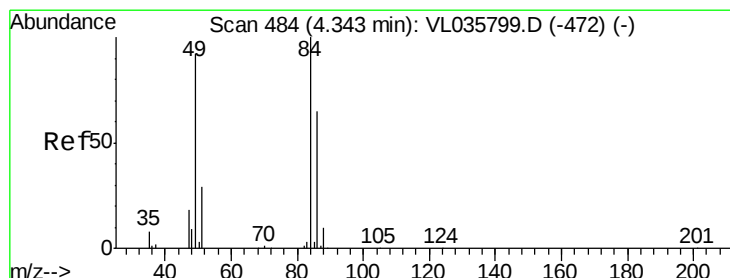
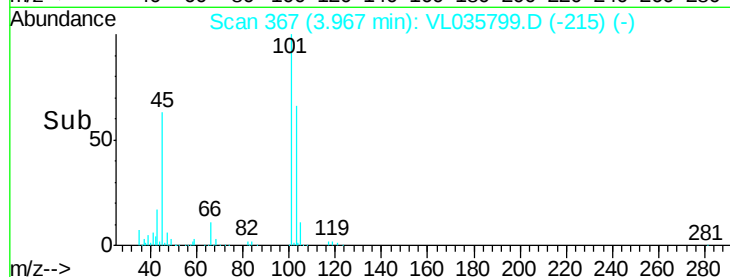
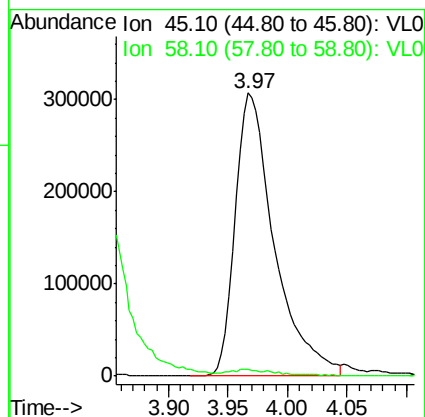
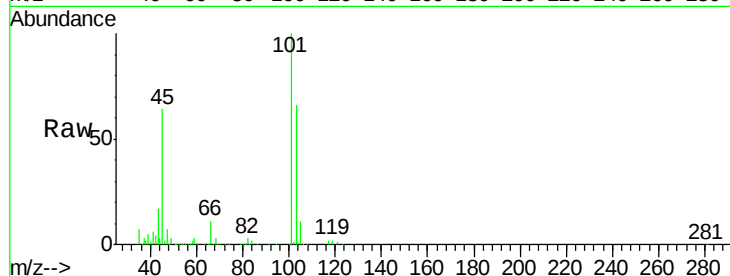
58 3.2 2.8 4.2

Manual Integrations

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#20

Methylene Chloride

Concen: 7.528 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.01 min

Lab File: VL035799.D

Acq: 3 Nov 2020 10:30

Tgt Ion: 84 Resp: 732228

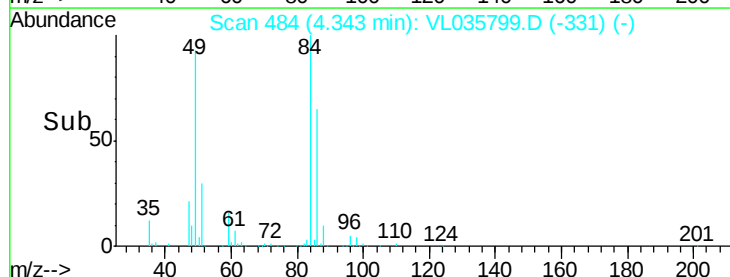
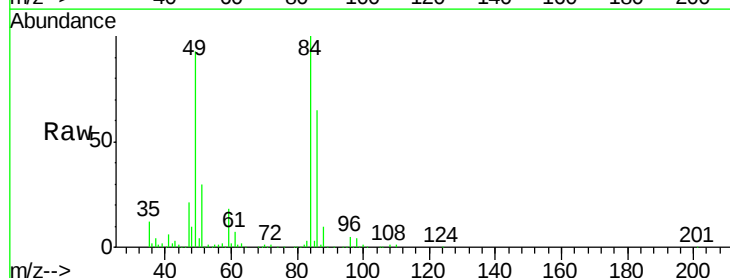
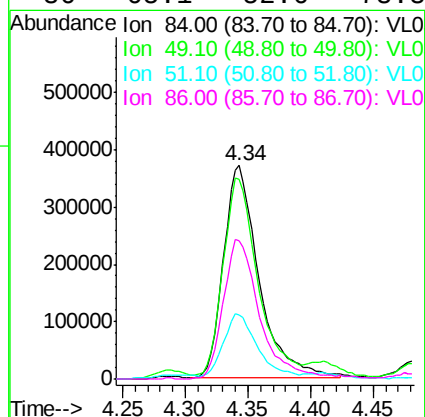
Ion Ratio Lower Upper

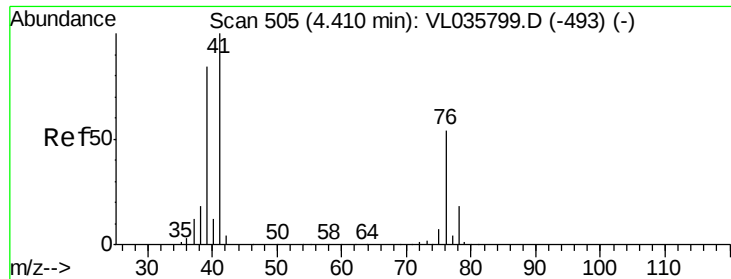
84 100

49 92.3 69.8 104.6

51 28.7 21.8 32.8

86 65.1 52.6 78.8





#21

Allyl Chloride

Concen: 10.365 ppbv

RT: 4.41 min Scan# 505

Delta R.T. -0.01 min

Lab File: VL035799.D

Acq: 3 Nov 2020 10:30

Instrument :

MSVOA_L

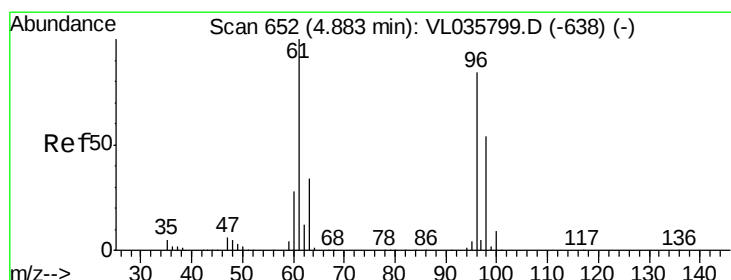
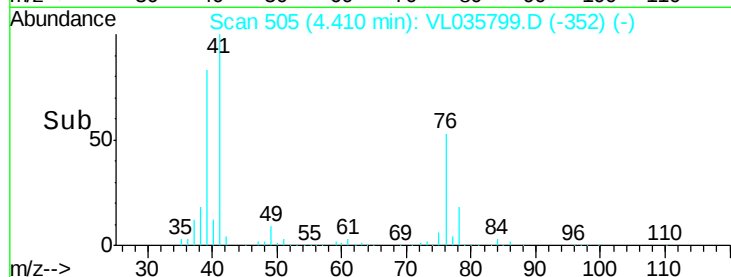
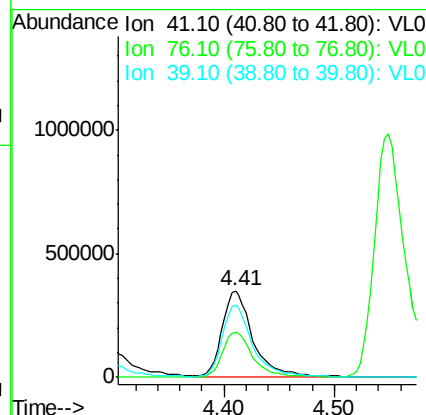
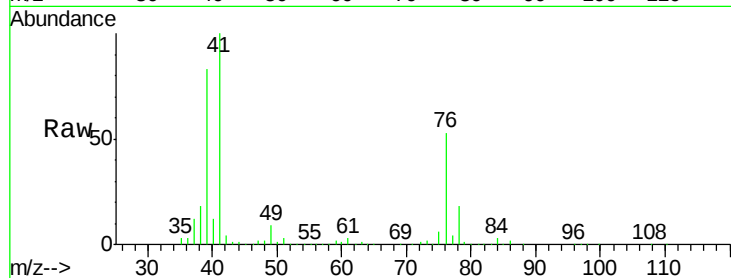
ClientSampled :

VSTDICCC010

Tgt Ion:	41	Resp:	665273
Ion	Ratio	Lower	Upper
41	100		
76	53.2	44.8	67.2
39	83.7	68.4	102.6

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 9.325 ppbv

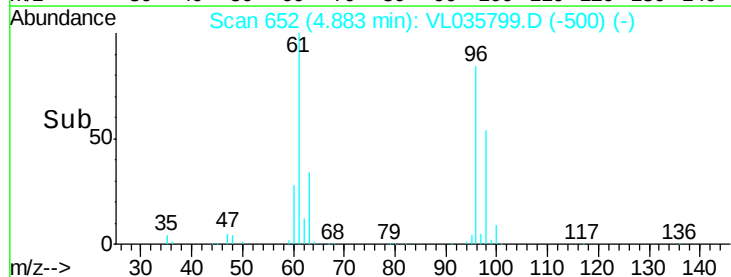
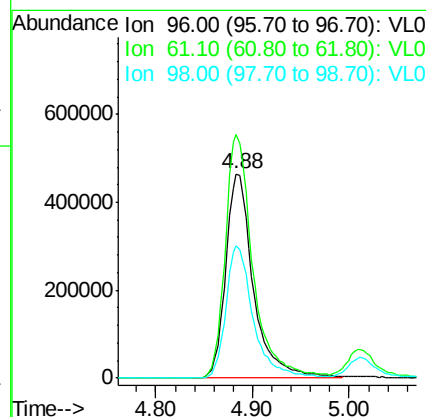
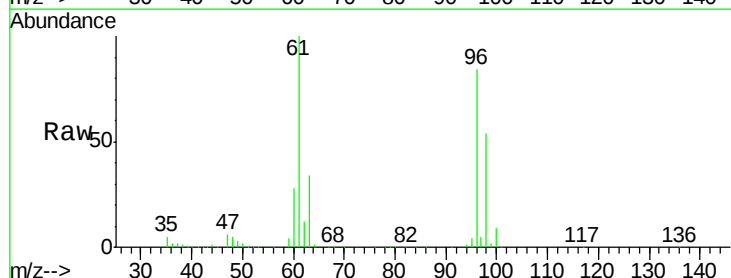
RT: 4.88 min Scan# 652

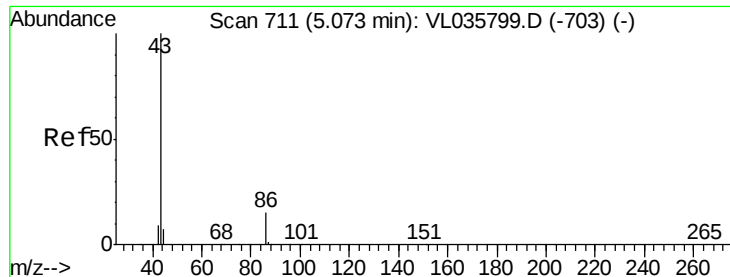
Delta R.T. -0.01 min

Lab File: VL035799.D

Acq: 3 Nov 2020 10:30

Tgt Ion:	96	Resp:	926430
Ion	Ratio	Lower	Upper
96	100		
61	119.2	93.7	140.5
98	64.7	51.2	76.8





#23

Vinyl Acetate

Concen: 9.939 ppbv

RT: 5.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VL035799.D

Acq: 3 Nov 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 1612049

Ion Ratio Lower Upper

43 100

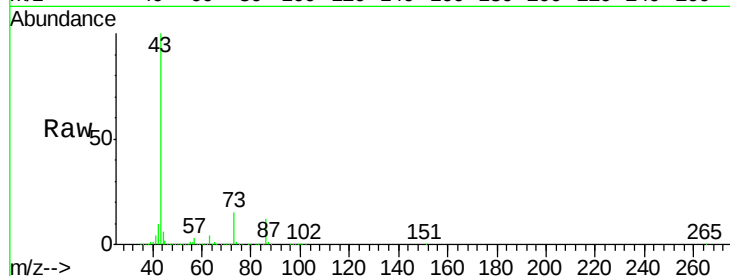
86 12.2 9.7 14.5

42 10.1 7.9 11.9

44 5.3 4.8 7.2

Manual Integrations
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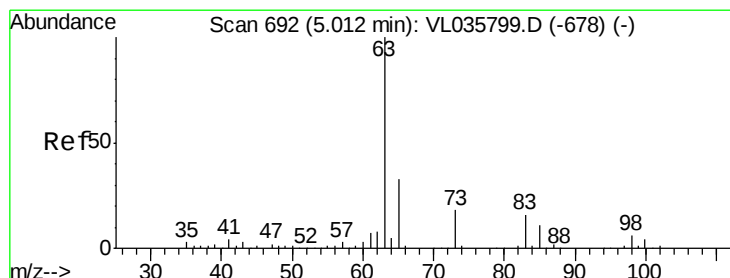
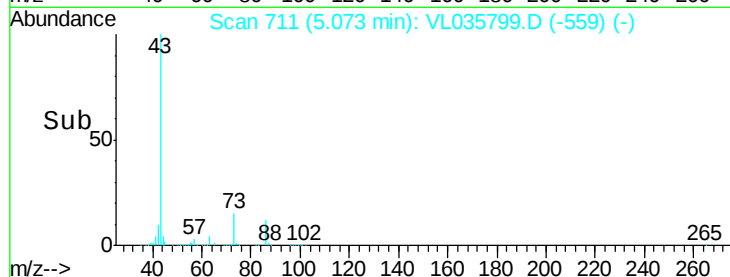
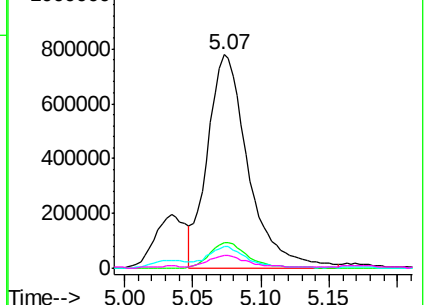


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.808 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.01 min

Lab File: VL035799.D

Acq: 3 Nov 2020 10:30

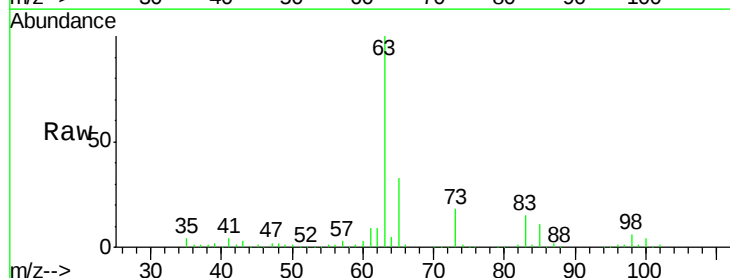
Tgt Ion: 63 Resp: 1555955

Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.8

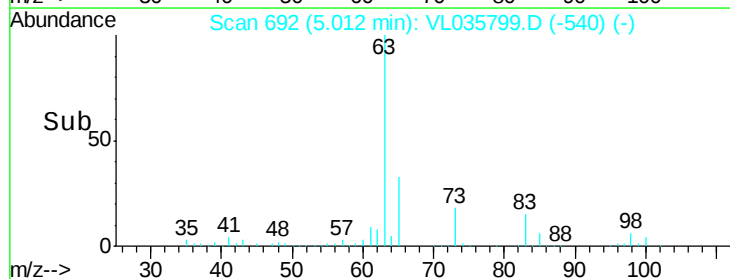
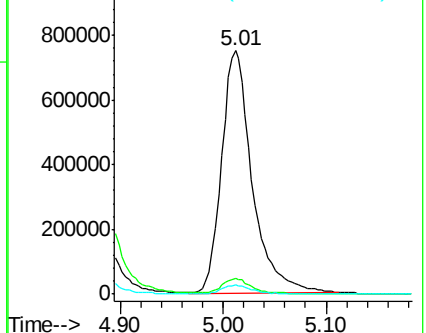
100 3.6 2.0 5.8



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





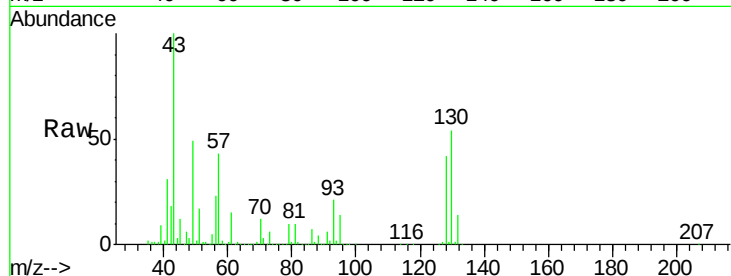
#25
Ethyl Acetate
Concen: 9.691 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL035799.D
Acq: 3 Nov 2020 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.6	12.8
61	13.4	10.4	15.6
70	10.7	8.9	13.3

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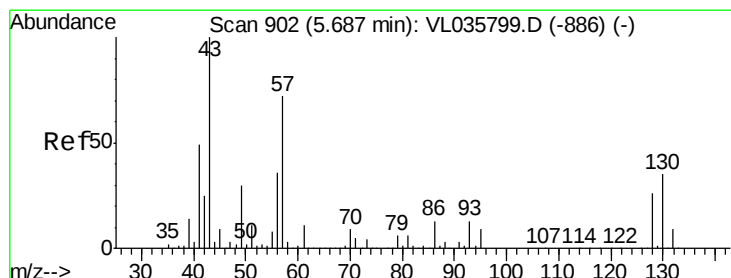
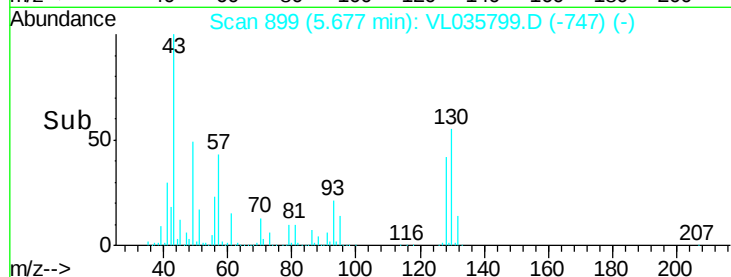
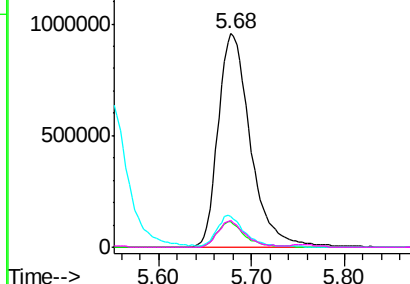
Abundance

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: 9.478 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL035799.D
Acq: 3 Nov 2020 10:30

Tgt Ion	Ratio	Lower	Upper
57	100		
41	73.6	57.9	86.9
43	187.7	143.8	215.6
56	53.0	43.0	64.6

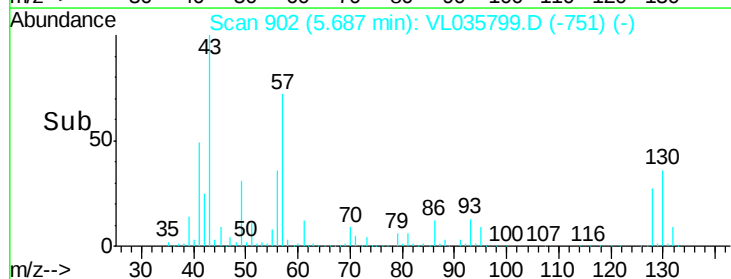
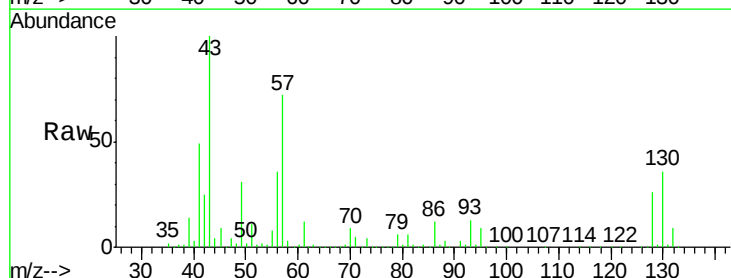
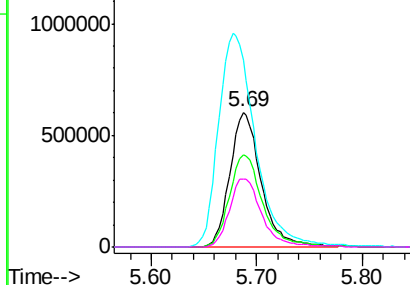
Abundance

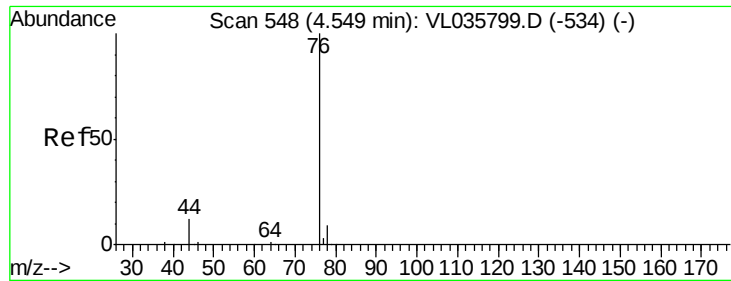
Ion 57.10 (56.80 to 57.80): VL0

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: 10.302 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.01 min

Lab File: VL035799.D

Acq: 3 Nov 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 76 Resp: 2004821

Ion Ratio Lower Upper

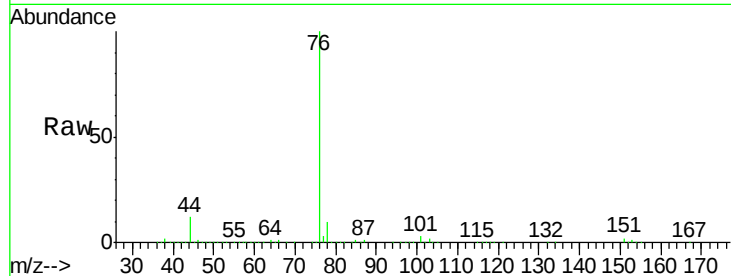
76 100

44 12.4 9.7 14.5

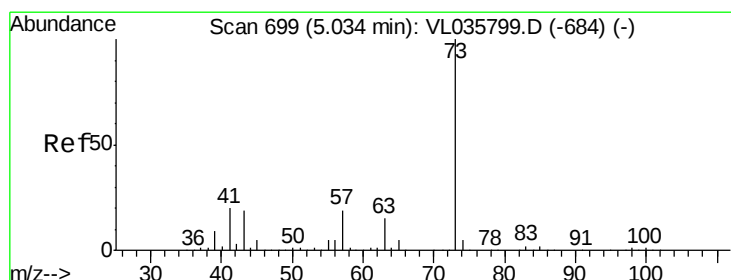
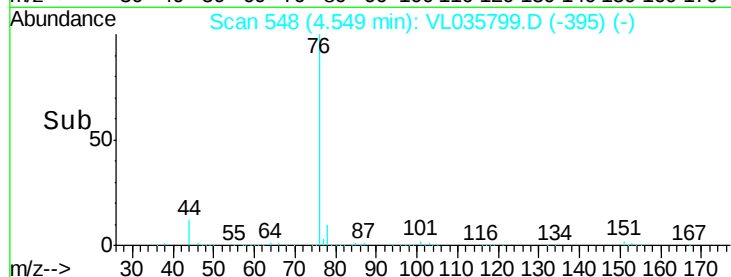
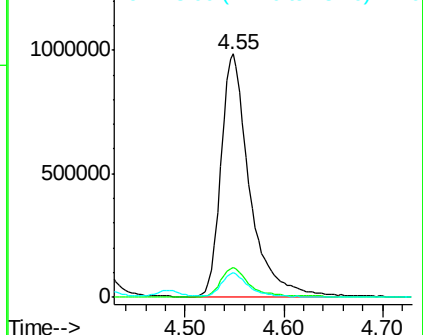
78 10.1 7.8 11.8

Manual Integrations
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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: 10.537 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.01 min

Lab File: VL035799.D

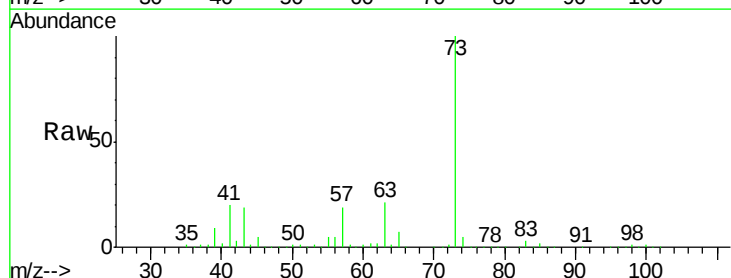
Acq: 3 Nov 2020 10:30

Tgt Ion: 73 Resp: 2180763

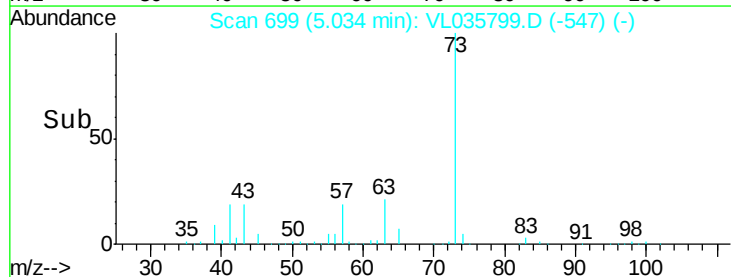
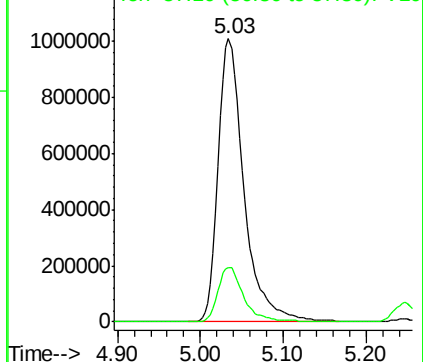
Ion Ratio Lower Upper

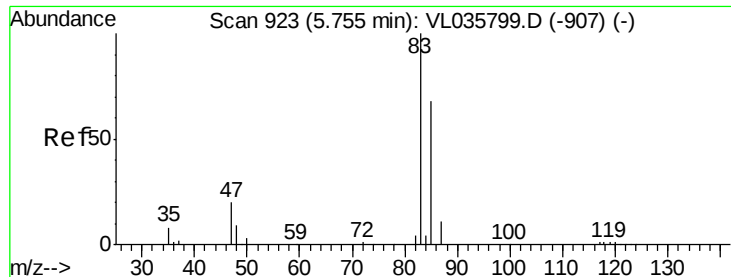
73 100

57 19.3 15.6 23.4



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





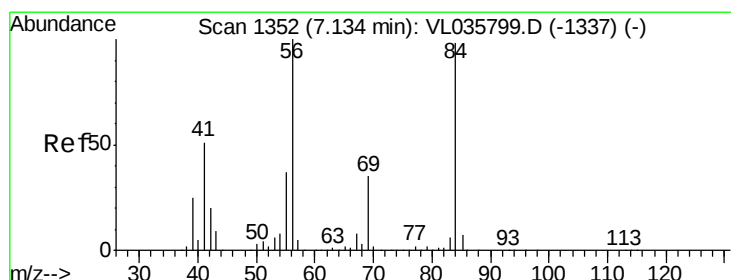
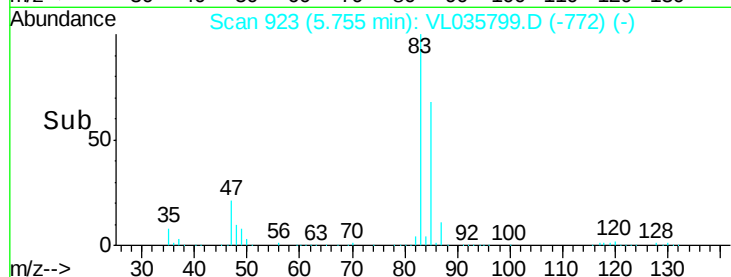
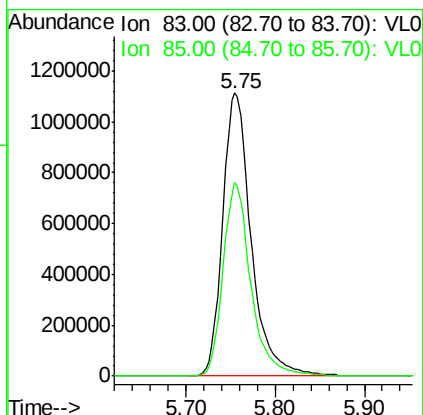
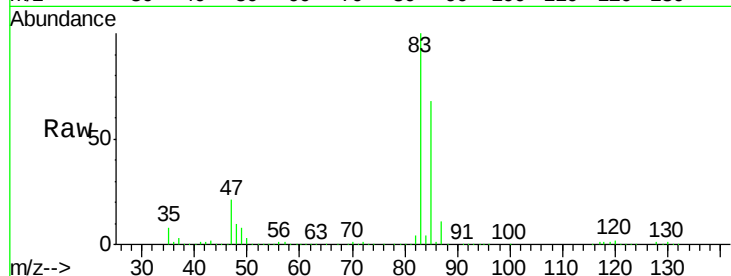
#29
Chloroform
Concen: 9.304 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.01 min
Lab File: VL035799.D
Acq: 3 Nov 2020 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 2466957
Ion Ratio Lower Upper
83 100
85 68.2 54.0 81.0

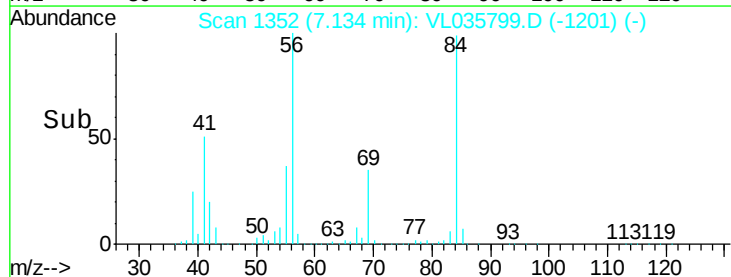
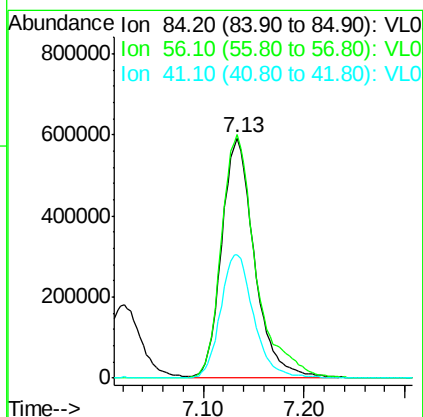
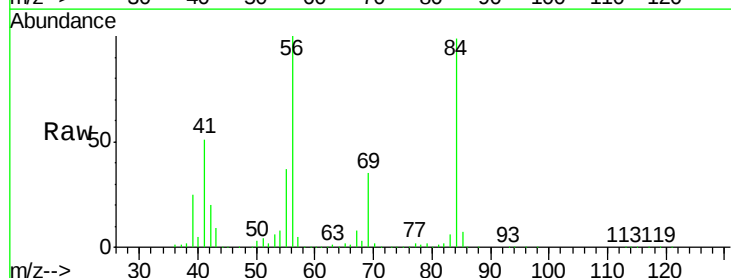
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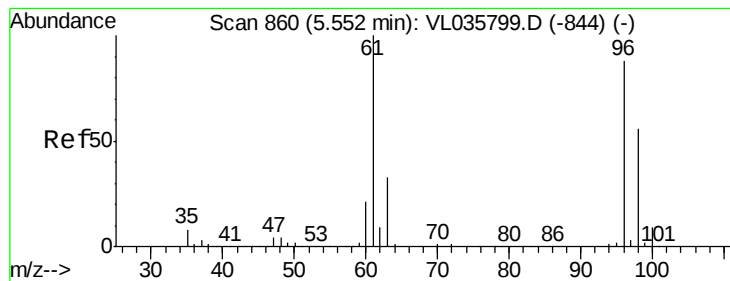
MMDadoda
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#30
Cyclohexane
Concen: 10.342 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL035799.D
Acq: 3 Nov 2020 10:30

Tgt Ion: 84 Resp: 1332225
Ion Ratio Lower Upper
84 100
56 108.0 84.6 127.0
41 52.6 41.1 61.7





#31

cis-1,2-Dichloroethene

Concen: 10.478 ppbv

RT: 5.55 min Scan# 860

Delta R.T. -0.01 min

Lab File: VL035799.D

Acq: 3 Nov 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 61 Resp: 1320644

Ion Ratio Lower Upper

61 100

96 87.9 71.4 107.2

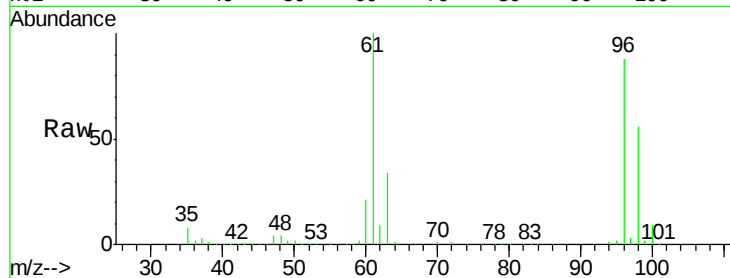
98 56.3 47.4 71.2

Manual Integrations

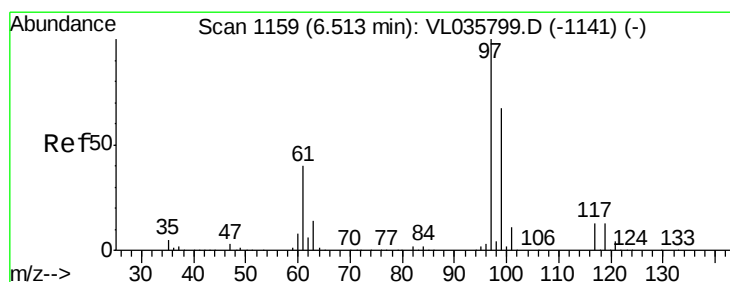
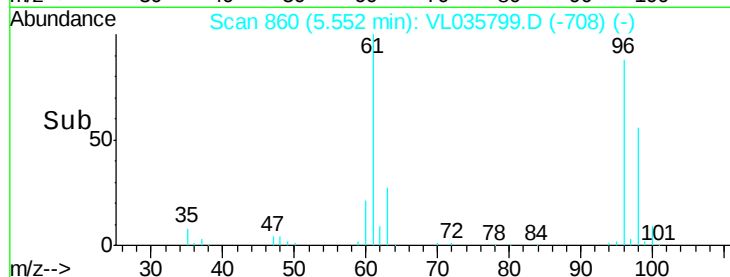
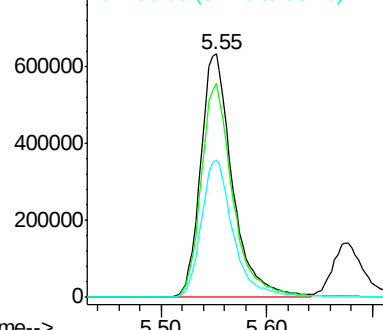
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Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 10.468 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VL035799.D

Acq: 3 Nov 2020 10:30

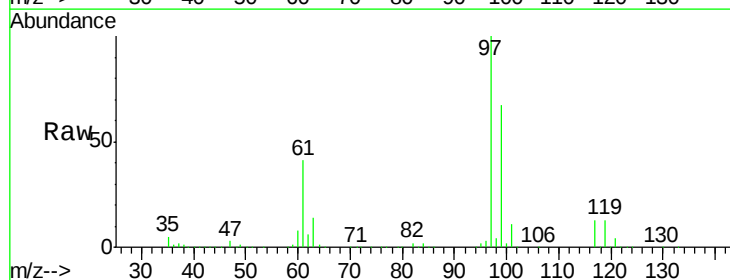
Tgt Ion: 97 Resp: 2446765

Ion Ratio Lower Upper

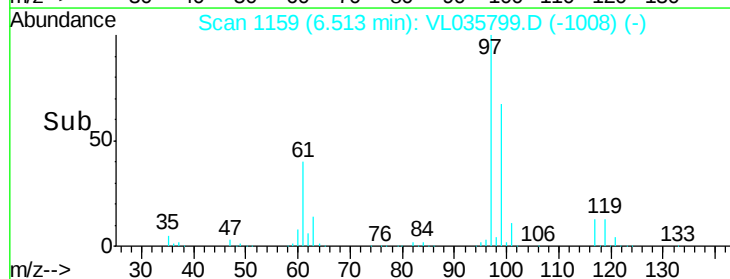
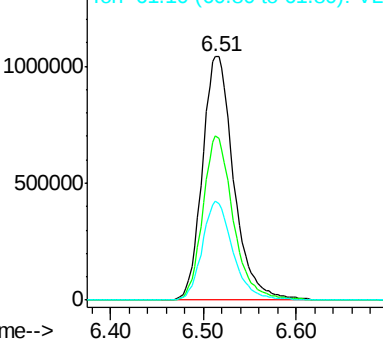
97 100

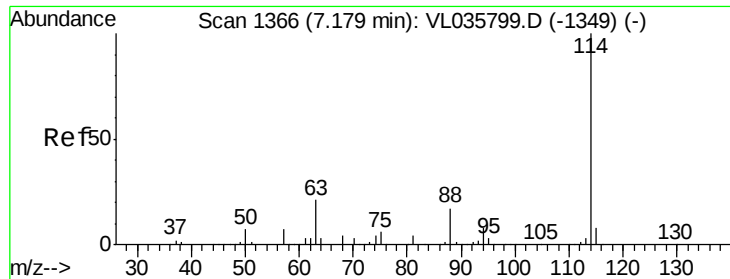
99 65.4 52.7 79.1

61 40.0 32.7 49.1



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





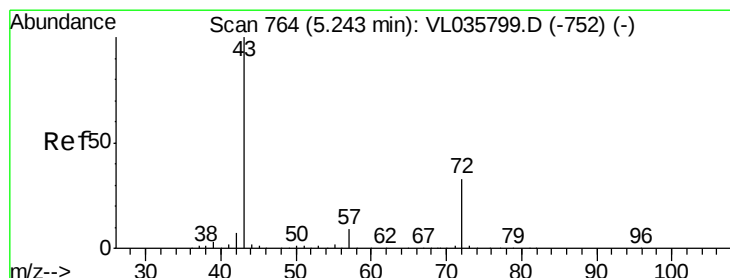
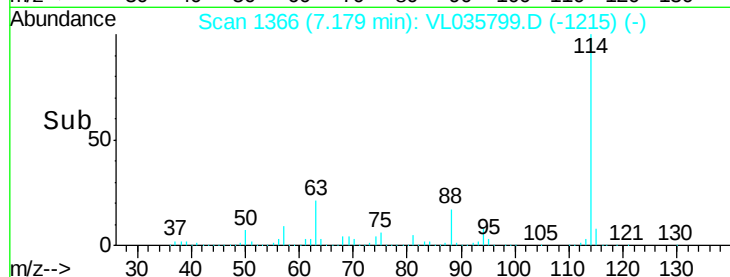
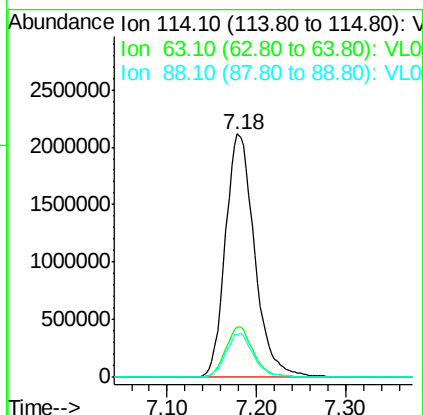
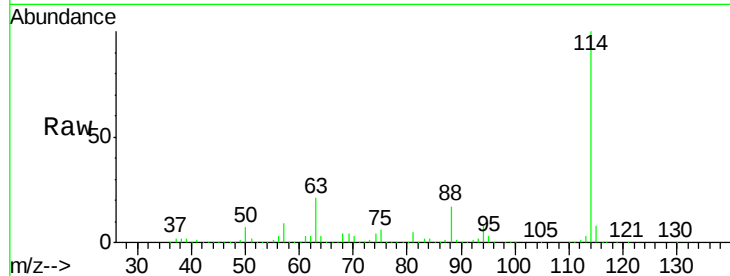
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: VL035799.D
 Acq: 3 Nov 2020 10:30

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDICCC010

Tgt Ion: 114 Resp: 4801765
 Ion Ratio Lower Upper
 114 100
 63 20.1 16.1 24.1
 88 17.1 14.1 21.1

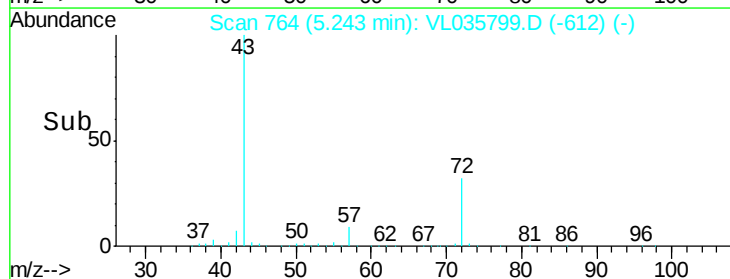
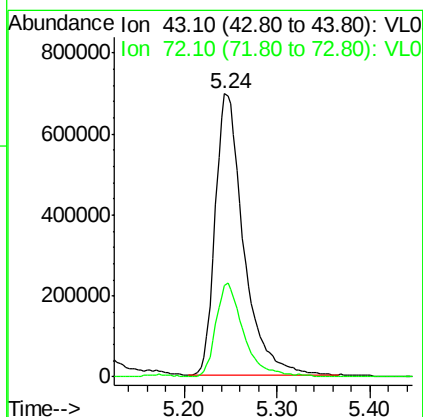
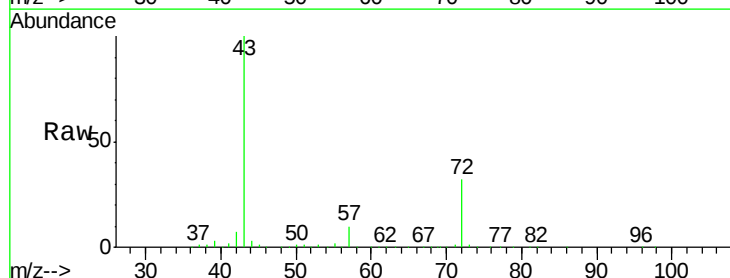
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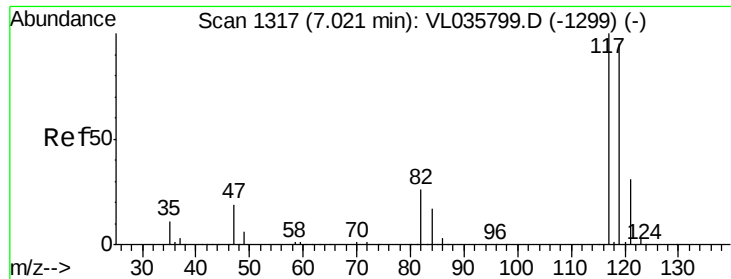
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#34
 2-Butanone
 Concen: 9.293 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VL035799.D
 Acq: 3 Nov 2020 10:30

Tgt Ion: 43 Resp: 1475947
 Ion Ratio Lower Upper
 43 100
 72 33.1 26.1 39.1





#35

Carbon Tetrachloride

Concen: 9.779 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VL035799.D

Acq: 3 Nov 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 117 Resp: 2448215

Ion Ratio Lower Upper

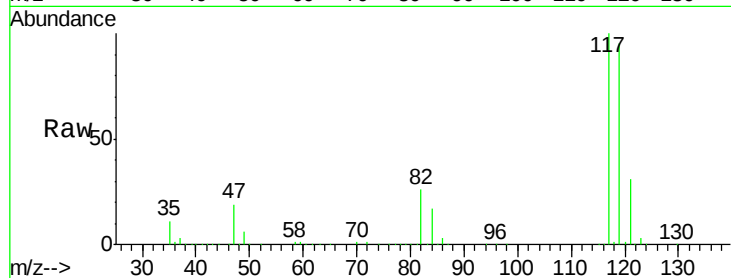
117 100

119 94.5 77.7 116.5

121 31.4 26.9 40.3

Manual Integrations
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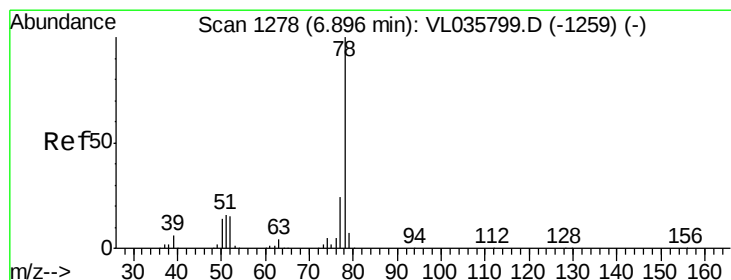
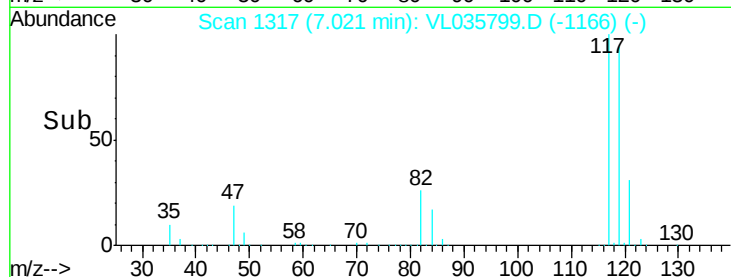
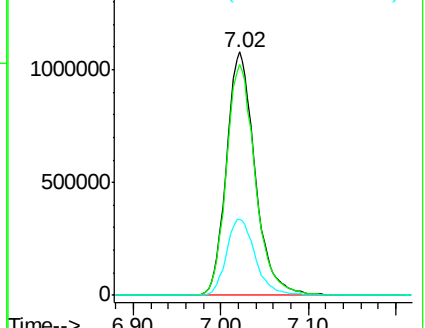
MMDadoda
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.123 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. -0.01 min

Lab File: VL035799.D

Acq: 3 Nov 2020 10:30

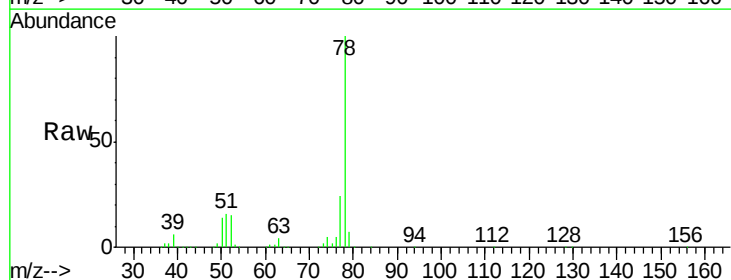
Tgt Ion: 78 Resp: 3167224

Ion Ratio Lower Upper

78 100

77 24.1 19.3 28.9

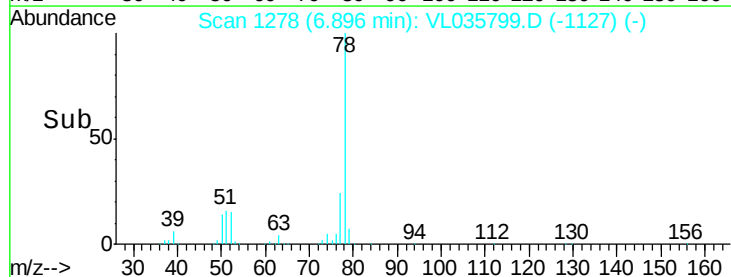
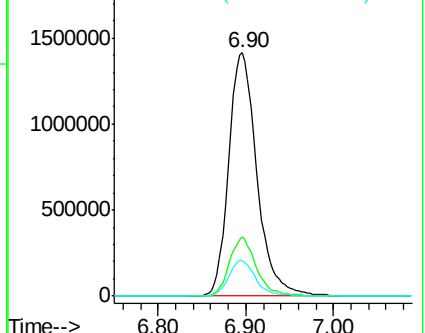
50 14.3 11.6 17.4

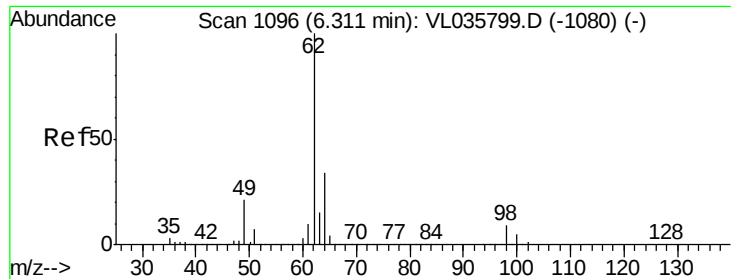


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





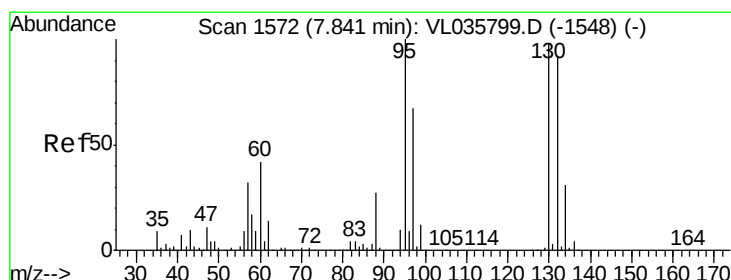
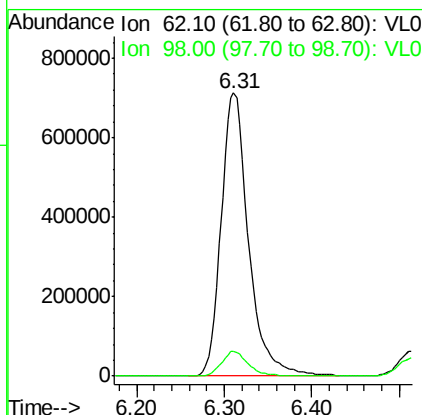
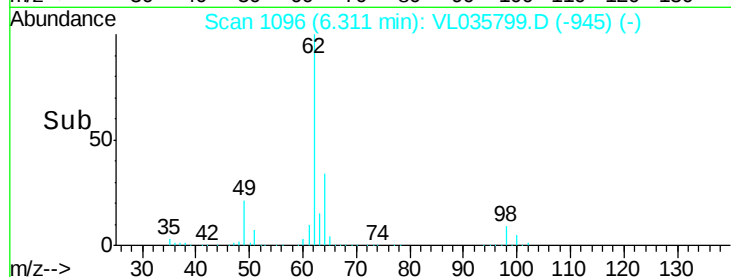
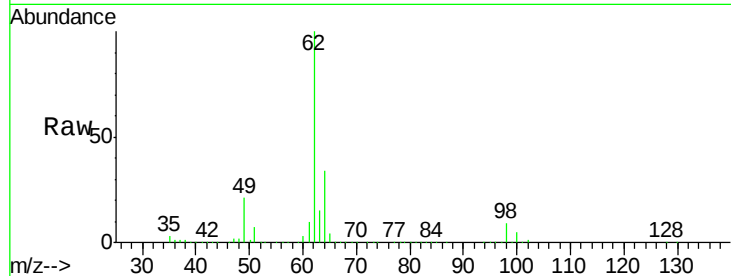
#37
 1,2-Dichloroethane
 Concen: 9.508 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. -0.01 min
 Lab File: VL035799.D
 Acq: 3 Nov 2020 10:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 62 Resp: 1550570
 Ion Ratio Lower Upper
 62 100
 98 8.6 6.9 10.3

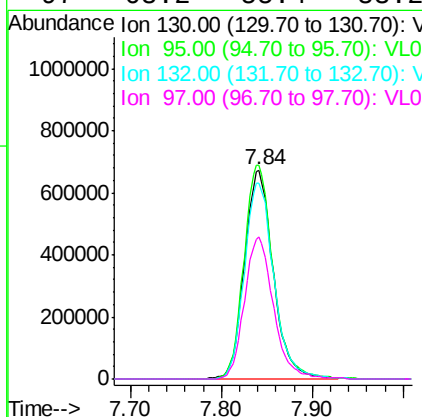
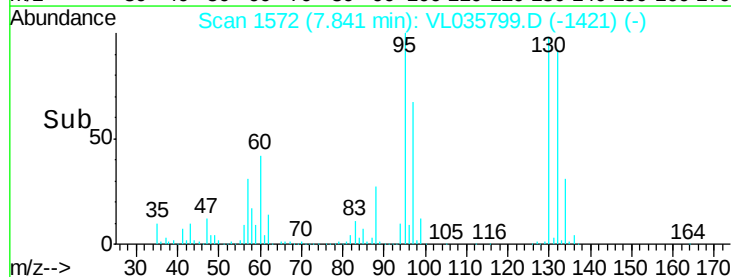
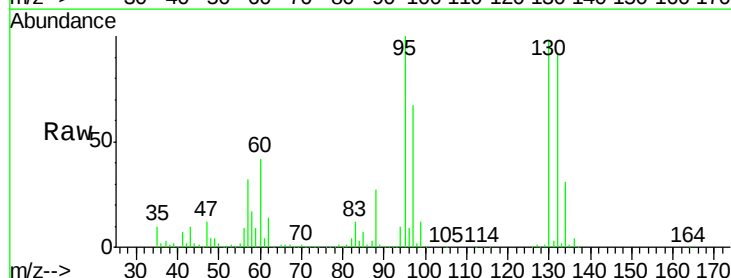
Manual Integrations
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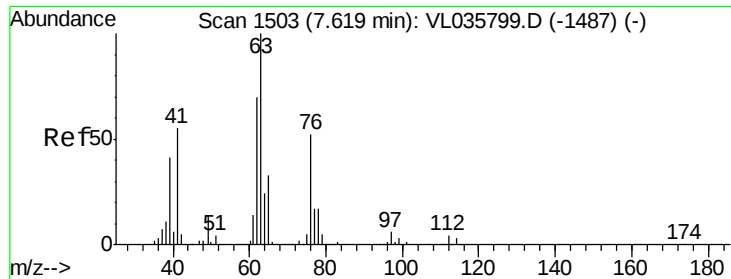
MMDadoda
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#38
 Trichloroethene
 Concen: 9.483 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: VL035799.D
 Acq: 3 Nov 2020 10:30

Tgt Ion: 130 Resp: 1480128
 Ion Ratio Lower Upper
 130 100
 95 102.0 82.4 123.6
 132 93.9 76.8 115.2
 97 68.2 55.4 83.2





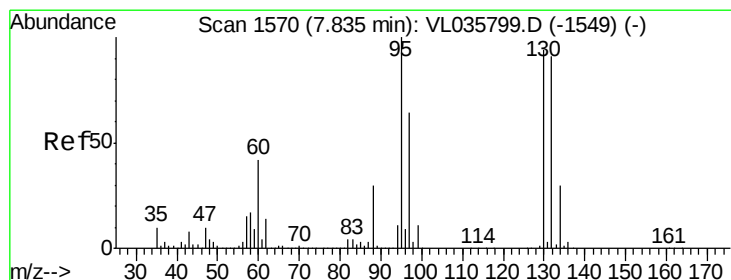
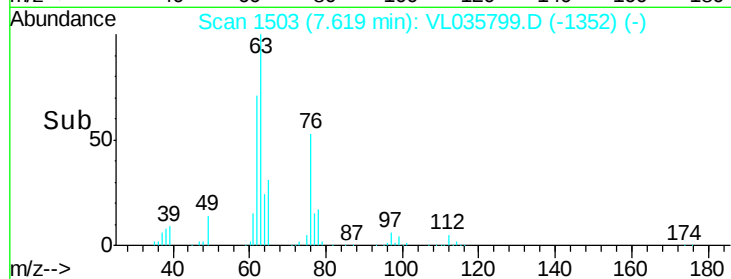
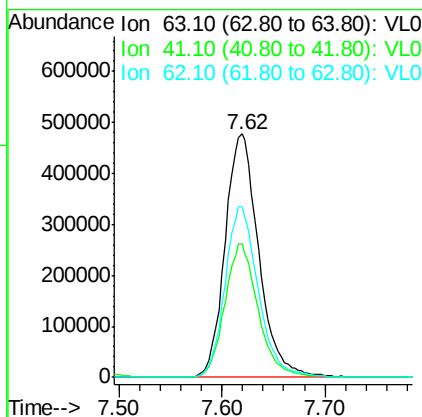
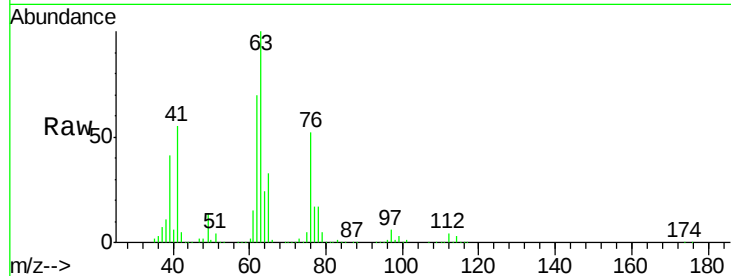
#39
 1,2-Dichloropropane
 Concen: 9.544 ppbv
 RT: 7.62 min Scan# 1503
 Delta R.T. -0.01 min
 Lab File: VL035799.D
 Acq: 3 Nov 2020 10:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 63 Resp: 1082361
 Ion Ratio Lower Upper
 63 100
 41 54.7 42.6 63.8
 62 70.2 56.5 84.7

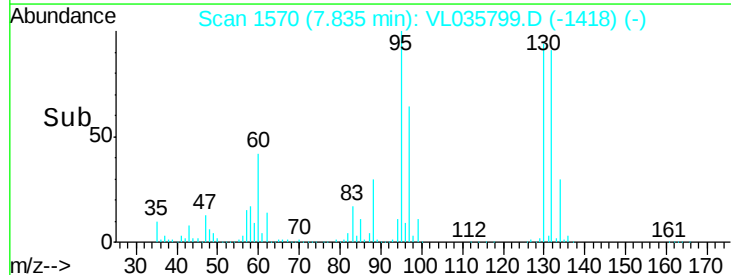
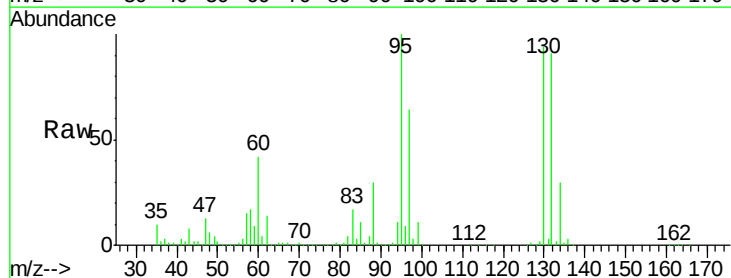
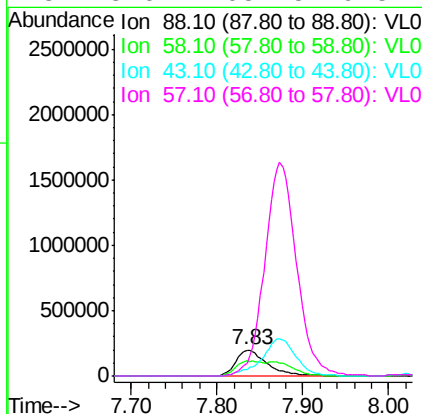
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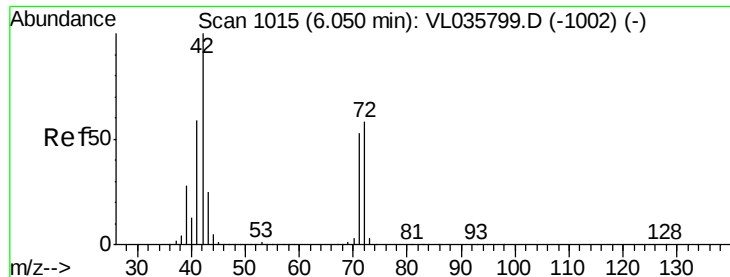
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#40
 1,4-Dioxane
 Concen: 9.843 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL035799.D
 Acq: 3 Nov 2020 10:30

Tgt Ion: 88 Resp: 510492
 Ion Ratio Lower Upper
 88 100
 58 95.2 76.2 114.4
 43 153.9 123.4 185.2
 57 826.2 652.5 978.7





#41

Tetrahydrofuran

Concen: 10.937 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VL035799.D

Acq: 3 Nov 2020 10:30

Instrument :

MSVOA_L

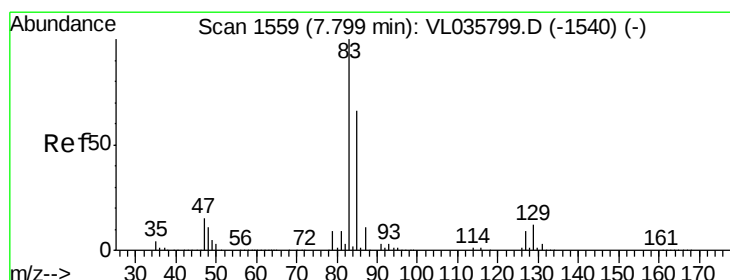
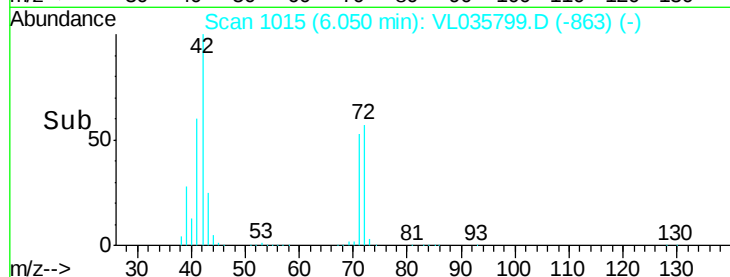
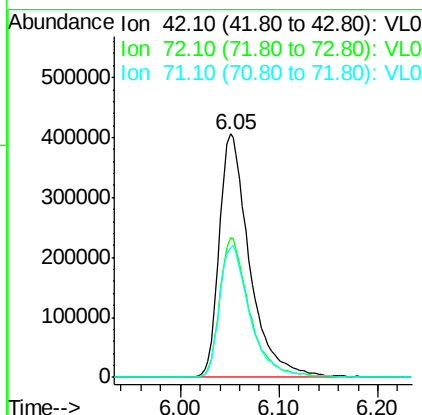
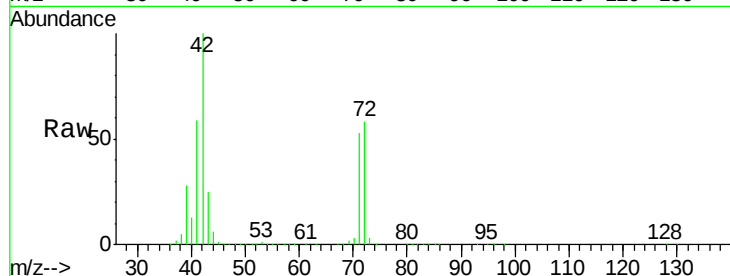
ClientSampleId :

VSTDICCC010

Tgt Ion:	42	Resp:	875140
Ion	Ratio	Lower	Upper
42	100		
72	56.7	46.2	69.4
71	54.3	44.2	66.4

Manual Integrations
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#42

Bromodichloromethane

Concen: 9.997 ppbv

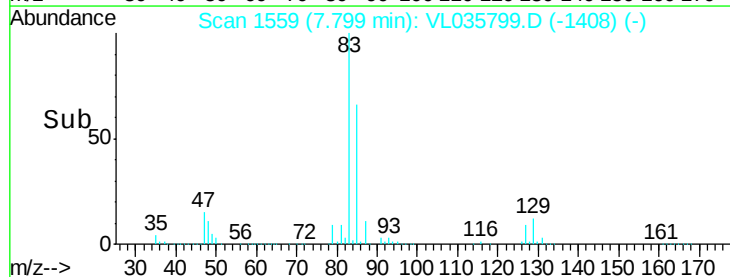
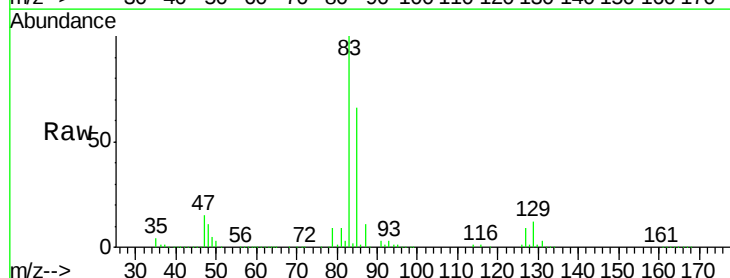
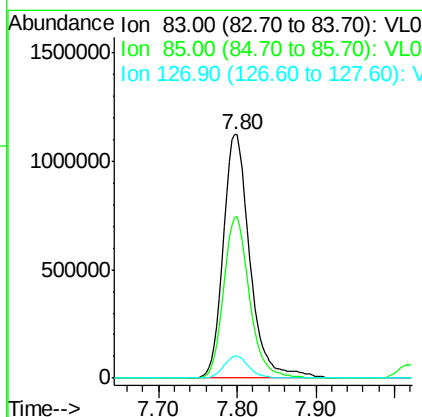
RT: 7.80 min Scan# 1559

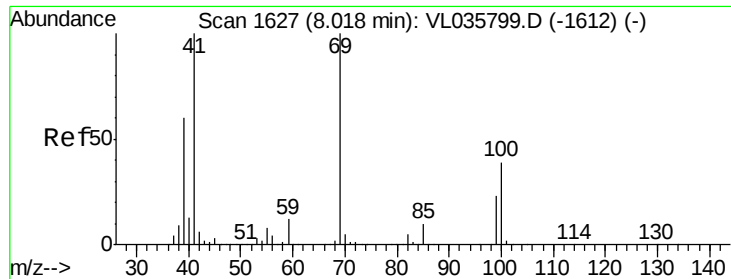
Delta R.T. -0.01 min

Lab File: VL035799.D

Acq: 3 Nov 2020 10:30

Tgt Ion:	83	Resp:	2626114
Ion	Ratio	Lower	Upper
83	100		
85	66.4	53.4	80.0
127	9.1	7.8	11.6





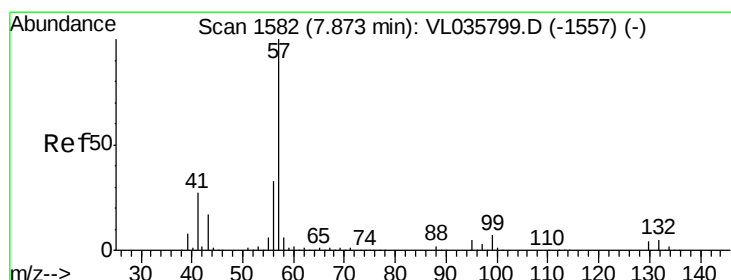
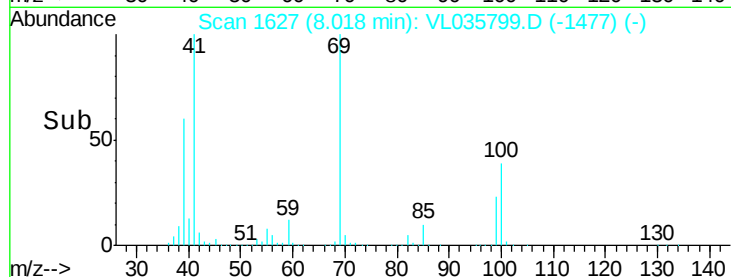
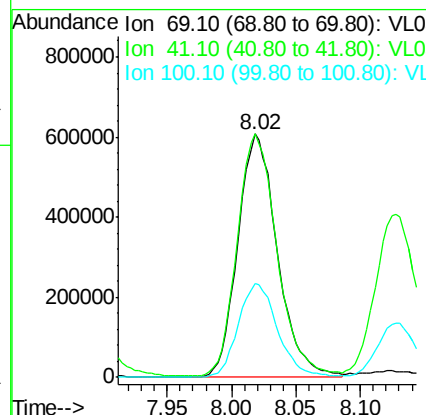
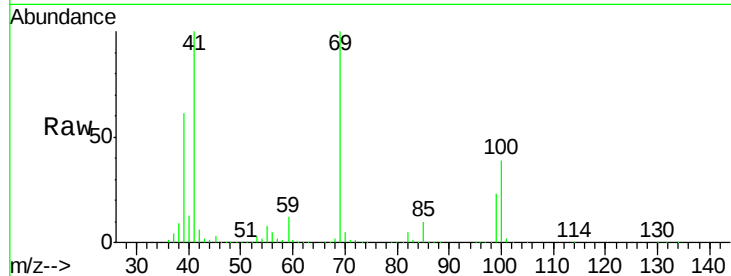
#43
Methyl Methacrylate
Concen: 10.405 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. -0.02 min
Lab File: VL035799.D
Acq: 3 Nov 2020 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 69 Resp: 1294829
Ion Ratio Lower Upper
69 100
41 101.4 79.8 119.6
100 38.7 30.6 46.0

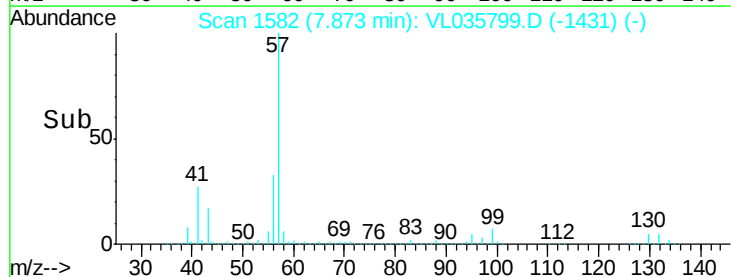
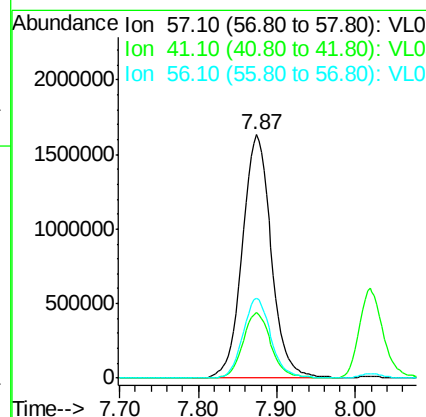
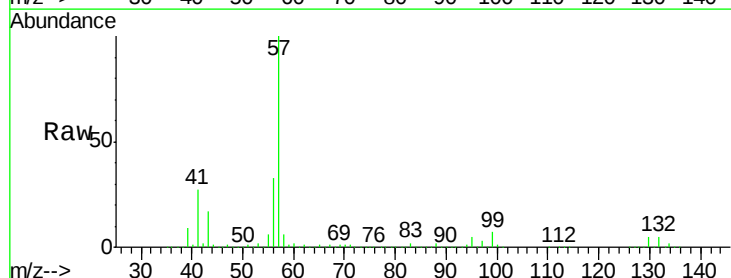
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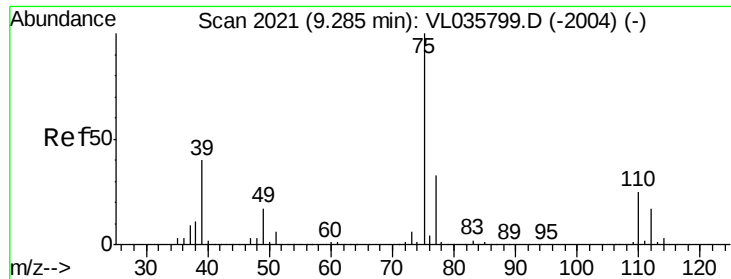
MMDadoda
11/5/2020 2:13:05 PM



#44
2,2,4-Trimethylpentane
Concen: 9.386 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.01 min
Lab File: VL035799.D
Acq: 3 Nov 2020 10:30

Tgt Ion: 57 Resp: 4213897
Ion Ratio Lower Upper
57 100
41 26.2 21.2 31.8
56 31.7 25.8 38.8





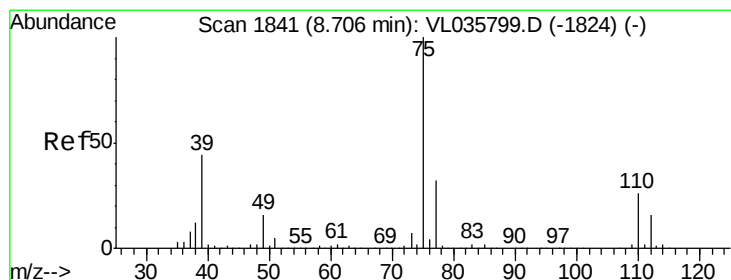
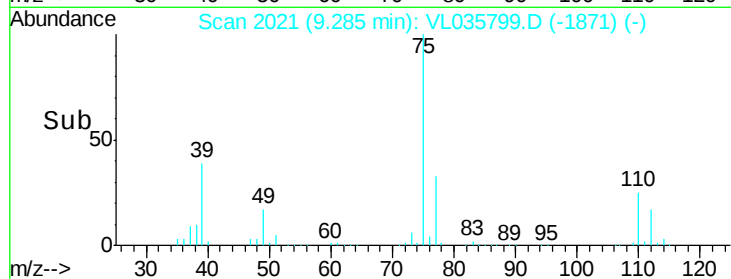
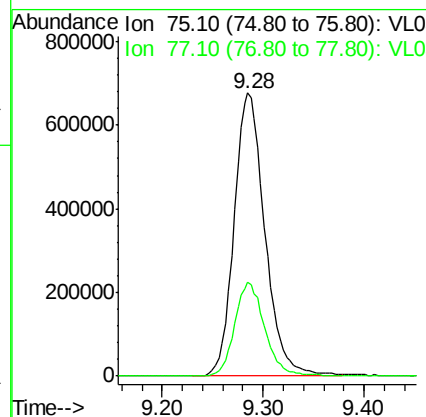
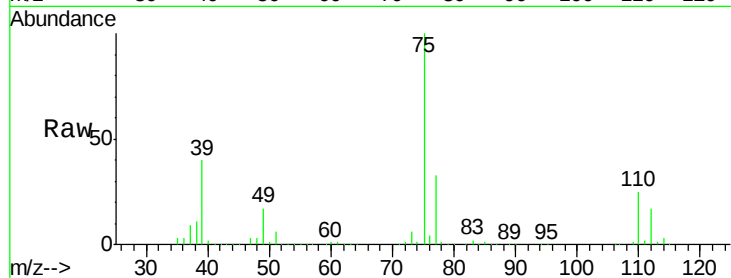
#45
t-1,3-Dichloropropene
Concen: 11.432 ppbv
RT: 9.28 min Scan# 2021
Delta R.T. -0.02 min
Lab File: VL035799.D
Acq: 3 Nov 2020 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 75 Resp: 1436215
Ion Ratio Lower Upper
75 100
77 33.0 25.9 38.9

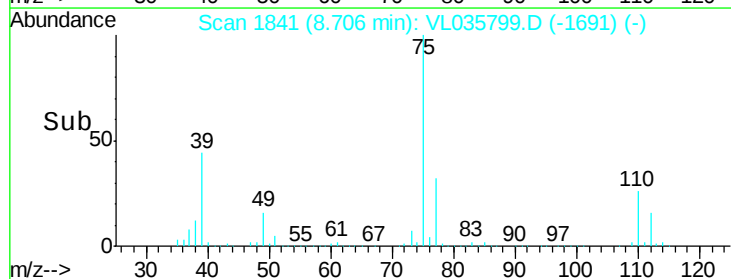
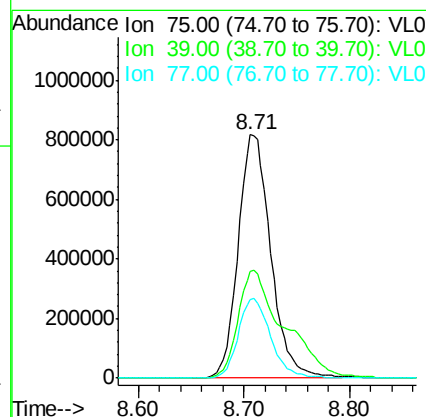
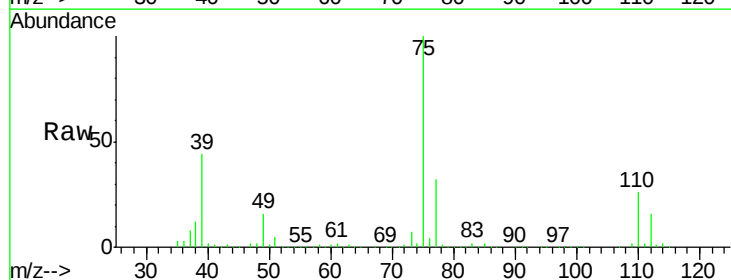
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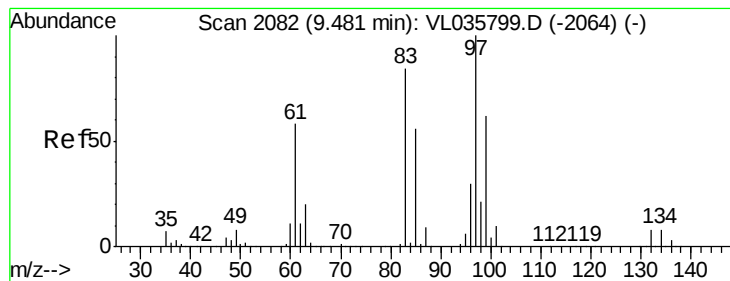
MMDadoda
11/5/2020 2:13:05 PM



#46
cis-1,3-Dichloropropene
Concen: 11.289 ppbv
RT: 8.71 min Scan# 1841
Delta R.T. -0.02 min
Lab File: VL035799.D
Acq: 3 Nov 2020 10:30

Tgt Ion: 75 Resp: 1748291
Ion Ratio Lower Upper
75 100
39 43.9 33.9 50.9
77 32.1 27.4 41.0





#47

1,1,2-Trichloroethane

Concen: 9.029 ppbv

RT: 9.48 min Scan# 2082

Delta R.T. -0.02 min

Lab File: VL035799.D

Acq: 3 Nov 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 97 Resp: 1466641

Ion Ratio Lower Upper

97 100

83 83.9 67.1 100.7

85 55.9 43.9 65.9

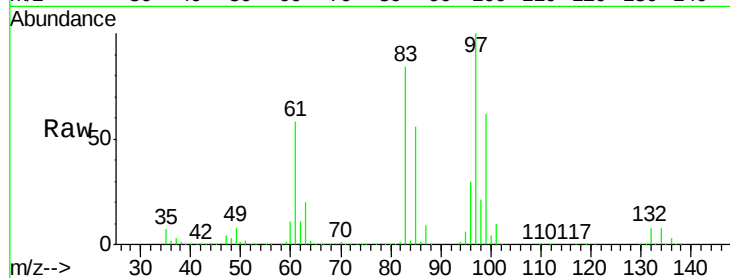
99 62.1 51.3 76.9

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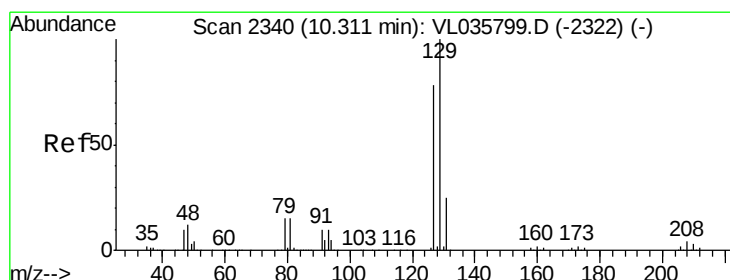
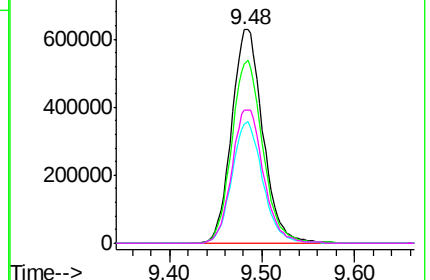
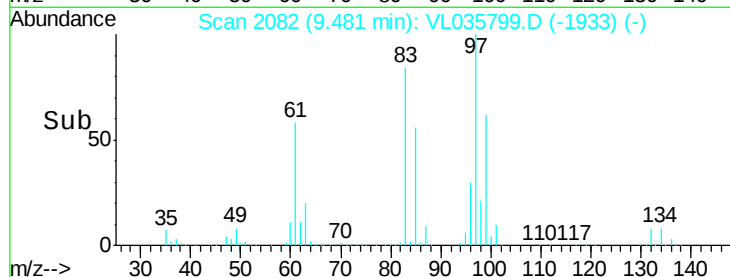


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 9.818 ppbv

RT: 10.31 min Scan# 2340

Delta R.T. -0.02 min

Lab File: VL035799.D

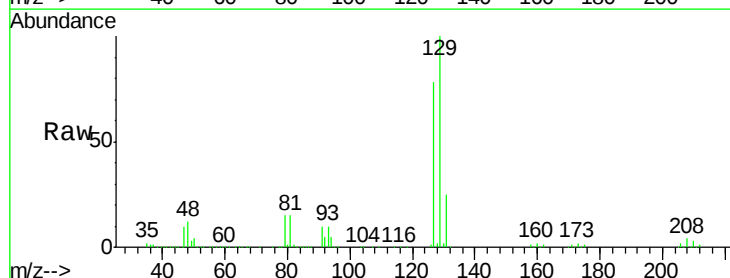
Acq: 3 Nov 2020 10:30

Tgt Ion: 129 Resp: 2427153

Ion Ratio Lower Upper

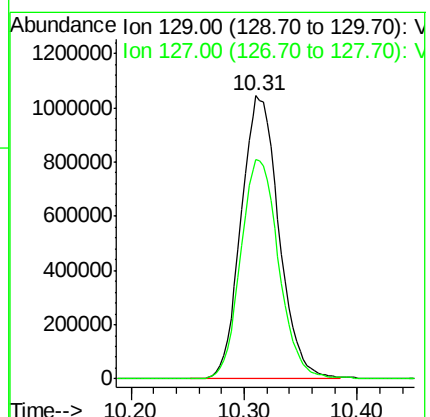
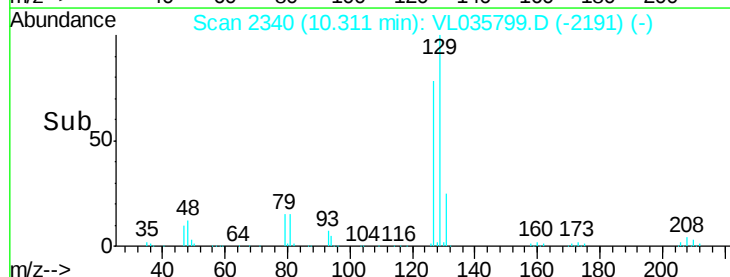
129 100

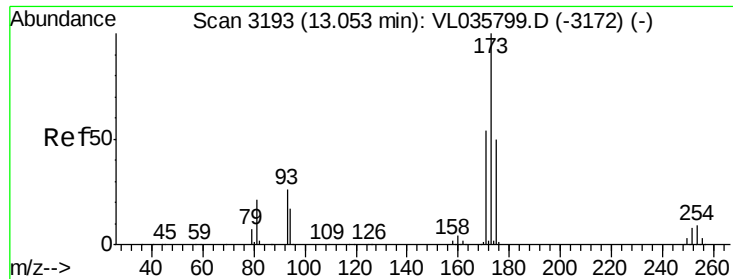
127 78.4 39.4 118.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





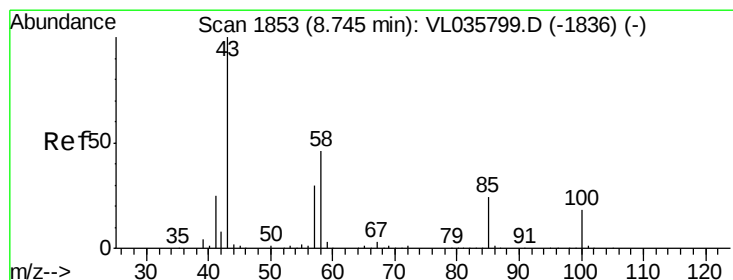
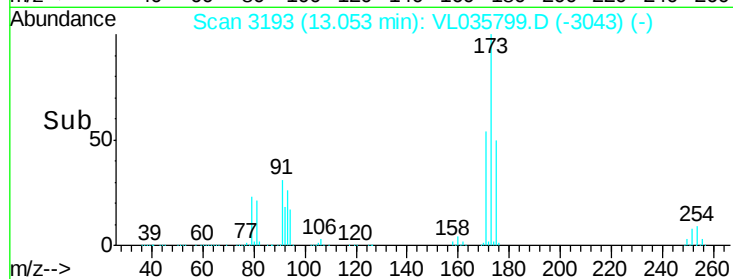
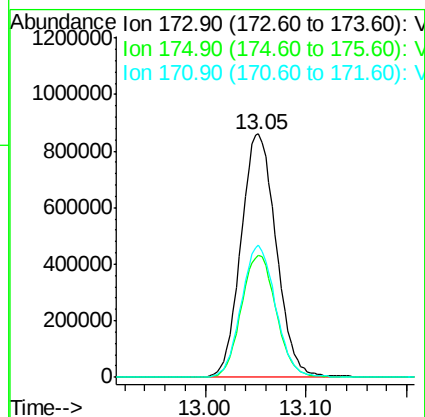
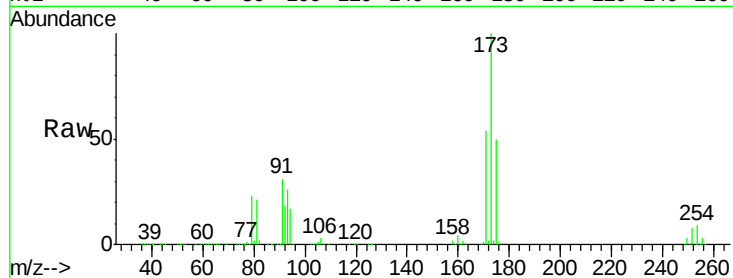
#49
Bromoform
Concen: 9.907 ppbv
RT: 13.05 min Scan# 3193
Delta R.T. -0.02 min
Lab File: VL035799.D
Acq: 3 Nov 2020 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:173 Resp: 2078262
Ion Ratio Lower Upper
173 100
175 50.1 39.8 59.6
171 53.2 42.8 64.2

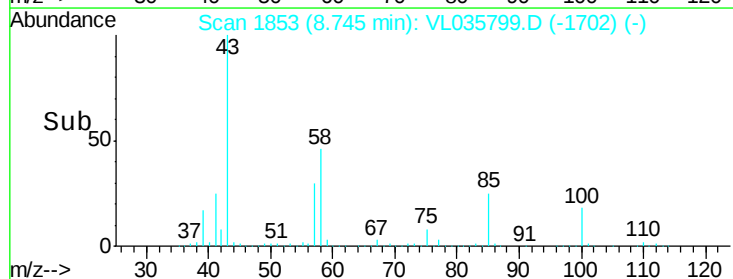
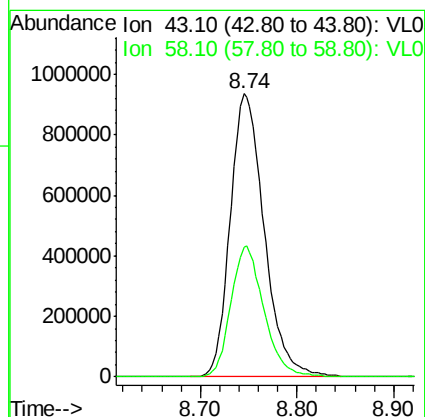
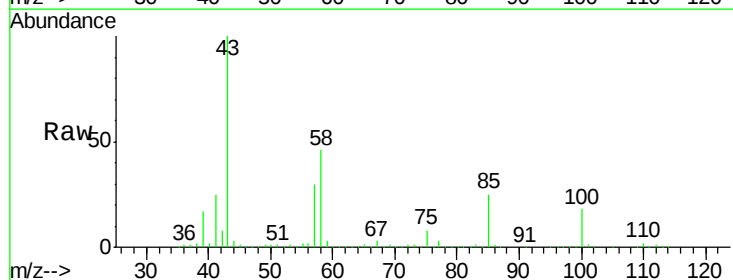
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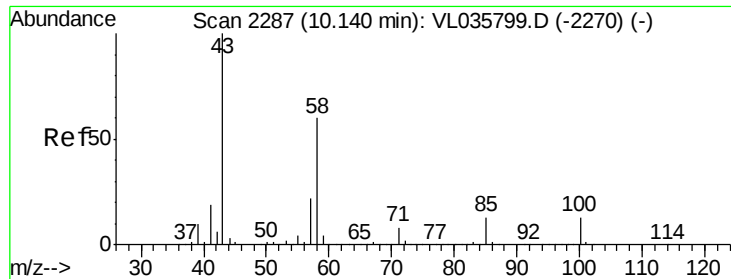
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#50
4-Methyl-2-Pentanone
Concen: 9.829 ppbv
RT: 8.74 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VL035799.D
Acq: 3 Nov 2020 10:30

Tgt Ion: 43 Resp: 2280087
Ion Ratio Lower Upper
43 100
58 45.0 36.6 54.8





#51

2-Hexanone

Concen: 9.965 ppbv

RT: 10.14 min Scan# 2287

Delta R.T. -0.01 min

Lab File: VL035799.D

Acq: 3 Nov 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 1862506

Ion Ratio Lower Upper

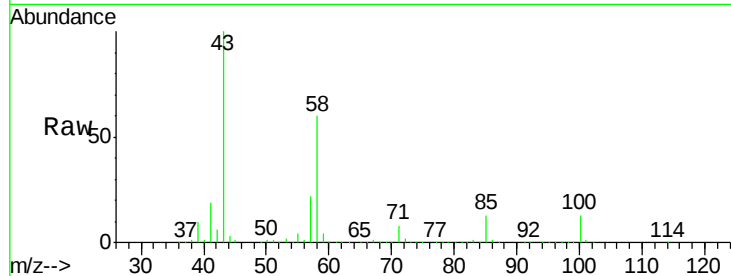
43 100

58 60.4 48.7 73.1

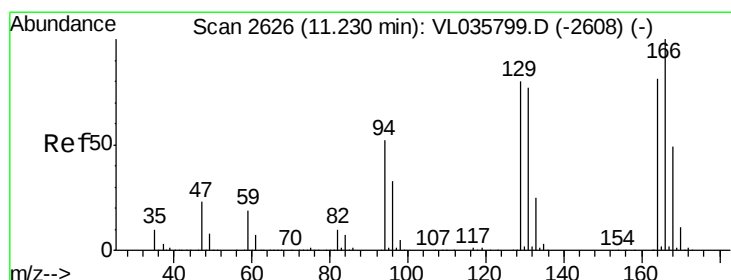
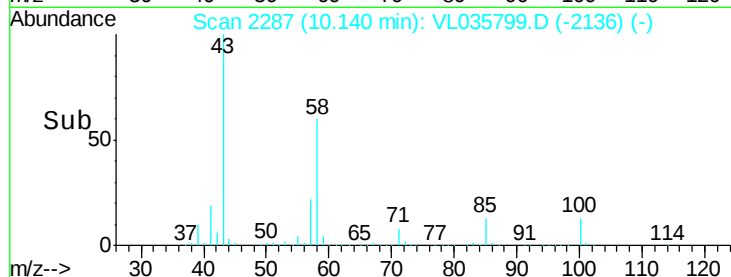
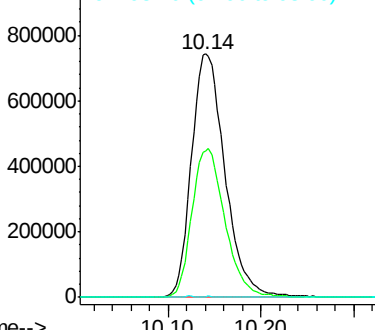
98 0.7 0.7 1.1#

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



#52

Tetrachloroethene

Concen: 9.244 ppbv

RT: 11.23 min Scan# 2626

Delta R.T. -0.02 min

Lab File: VL035799.D

Acq: 3 Nov 2020 10:30

Tgt Ion: 164 Resp: 1390863

Ion Ratio Lower Upper

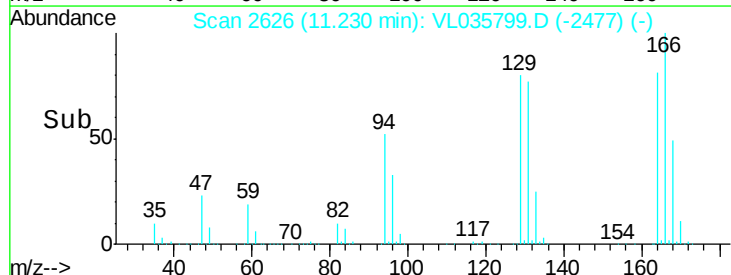
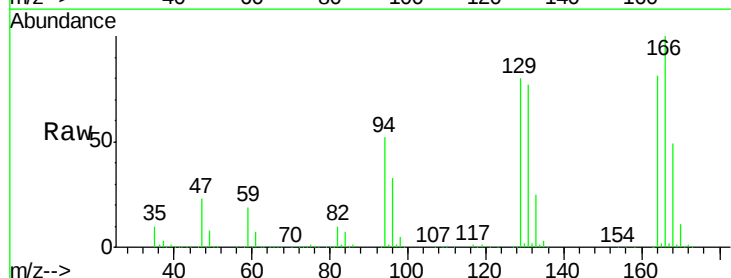
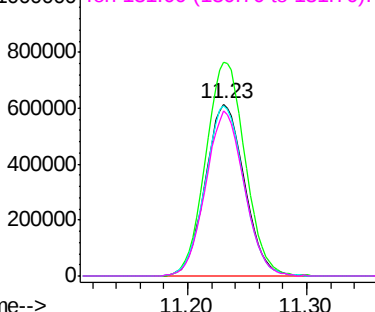
164 100

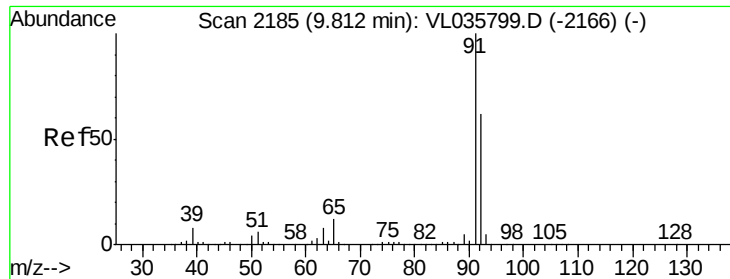
166 124.1 98.7 148.1

129 99.1 78.4 117.6

131 95.6 76.2 114.2

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





#53

Toluene

Concen: 10.336 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.02 min

Lab File: VL035799.D

Acq: 3 Nov 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 91 Resp: 3813582

Ion Ratio Lower Upper

91 100

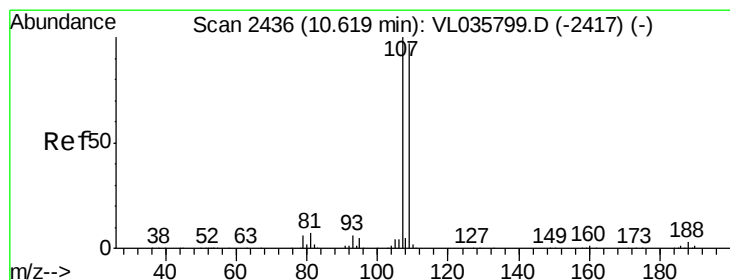
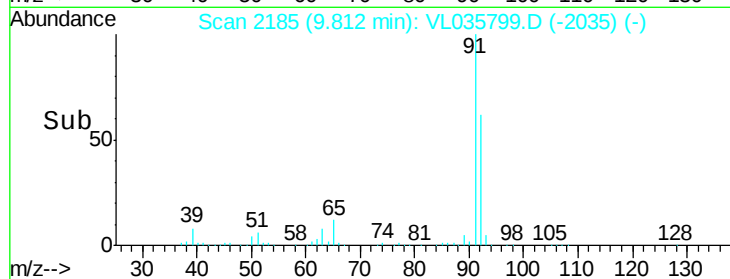
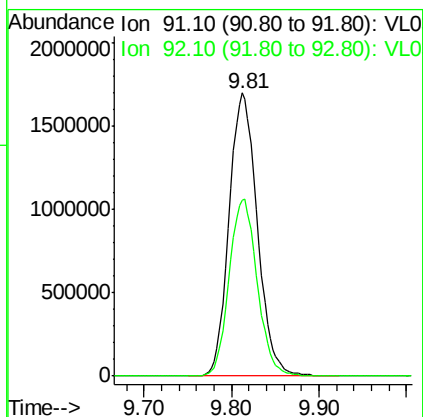
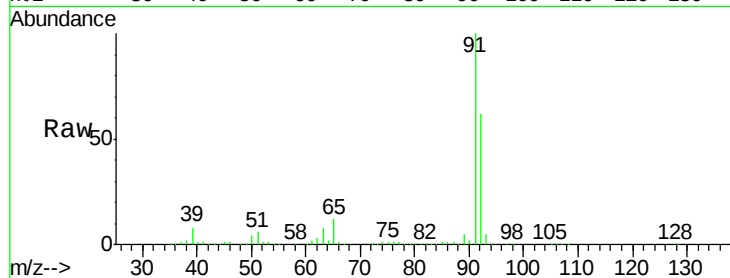
92 62.2 50.0 75.0

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#54

1,2-Dibromoethane

Concen: 9.232 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. -0.02 min

Lab File: VL035799.D

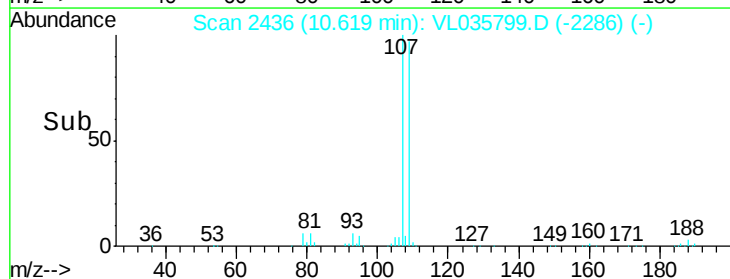
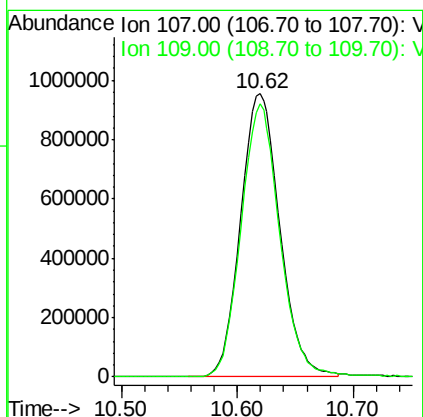
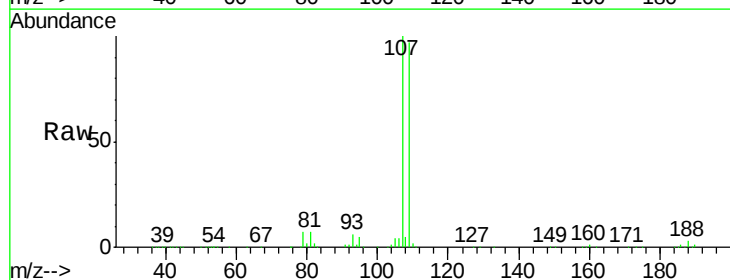
Acq: 3 Nov 2020 10:30

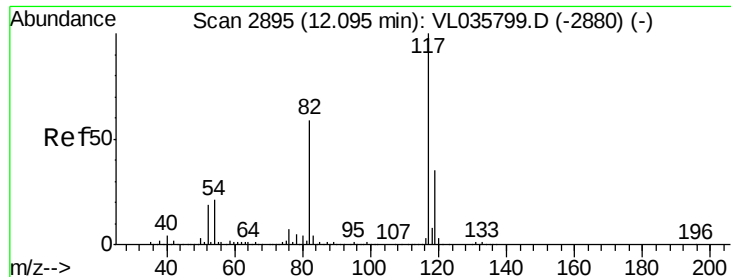
Tgt Ion: 107 Resp: 2245515

Ion Ratio Lower Upper

107 100

109 96.5 76.0 114.0





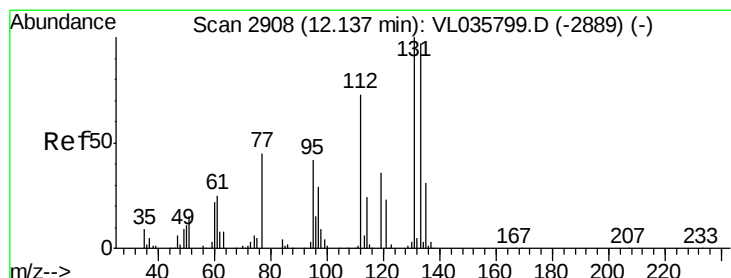
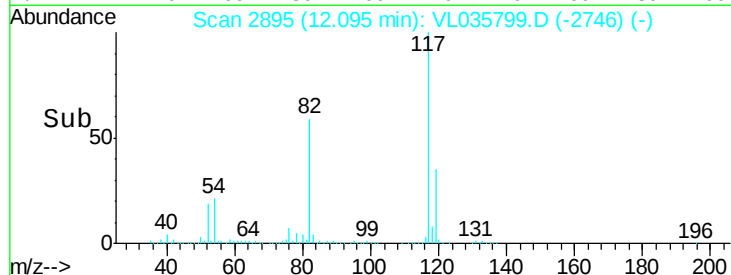
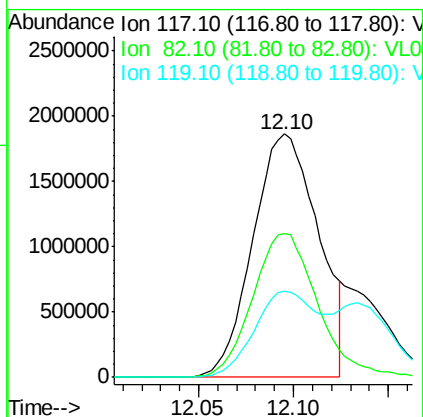
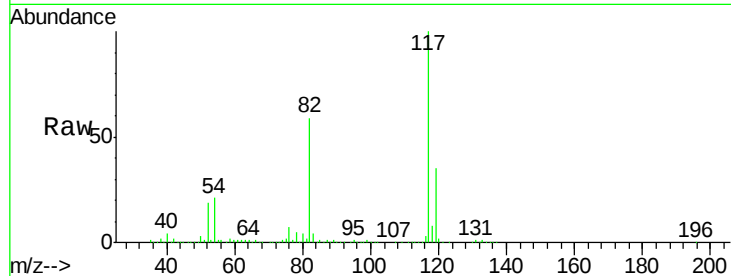
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2895
Delta R.T. -0.02 min
Lab File: VL035799.D
Acq: 3 Nov 2020 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 4464913
Ion Ratio Lower Upper
117 100
82 59.1 46.1 69.1
119 61.4 28.0 42.0#

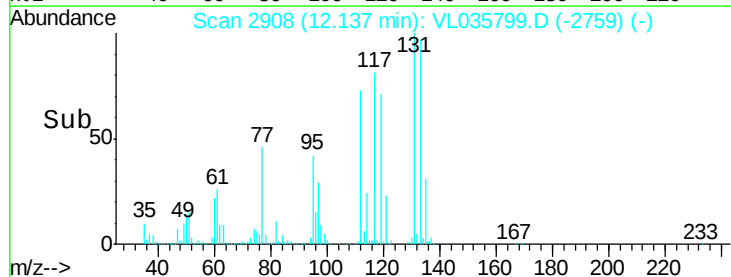
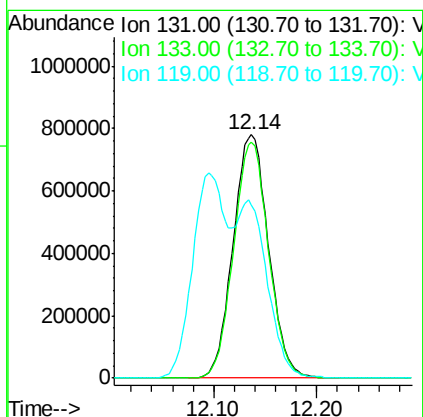
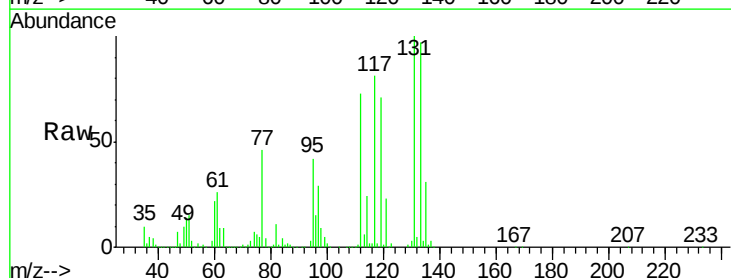
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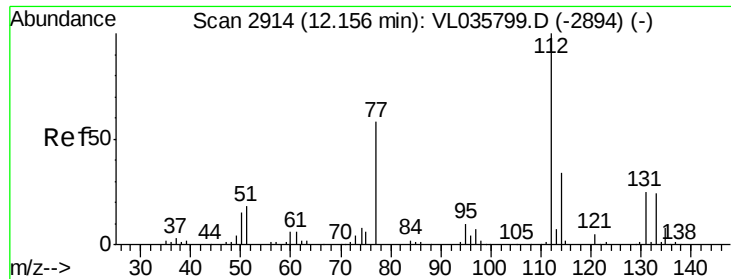
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.965 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.02 min
Lab File: VL035799.D
Acq: 3 Nov 2020 10:30

Tgt Ion:131 Resp: 1865585
Ion Ratio Lower Upper
131 100
133 96.0 76.2 114.4
119 59.2 52.4 78.6





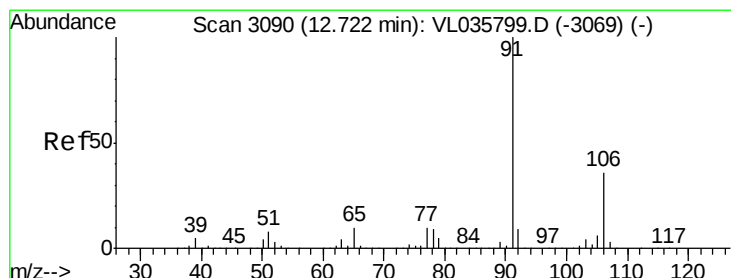
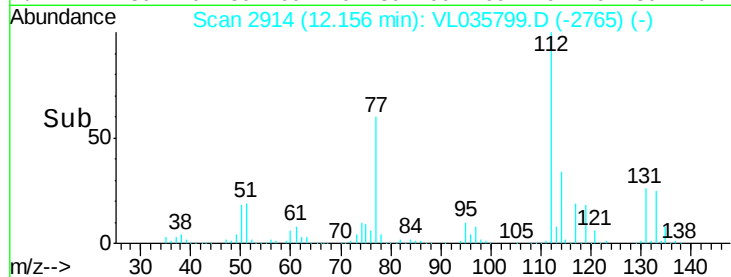
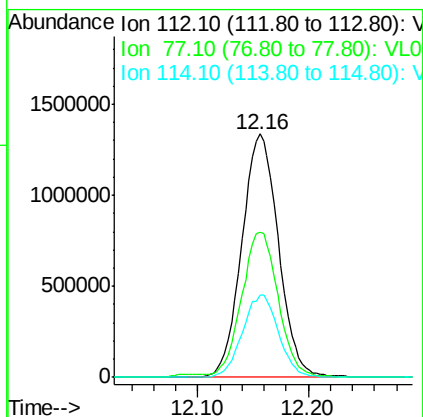
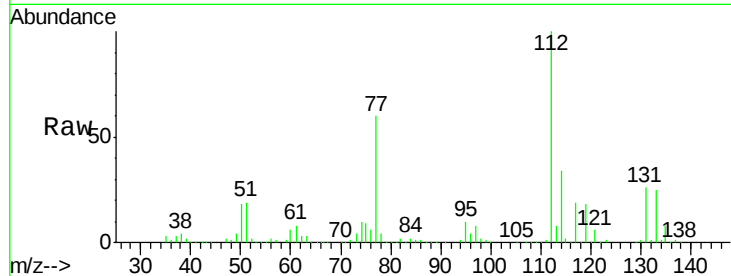
#57
Chlorobenzene
Concen: 9.104 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.02 min
Lab File: VL035799.D
Acq: 3 Nov 2020 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 112 Resp: 3070327
Ion Ratio Lower Upper
112 100
77 59.4 48.2 72.2
114 33.7 31.9 39.1

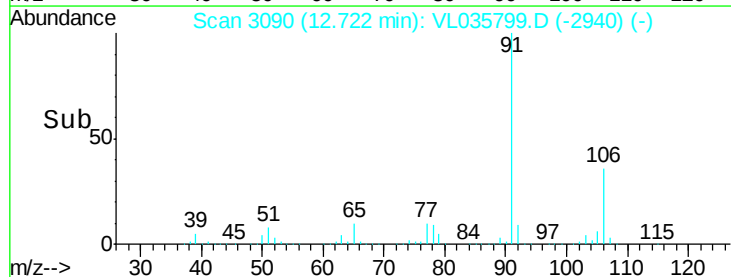
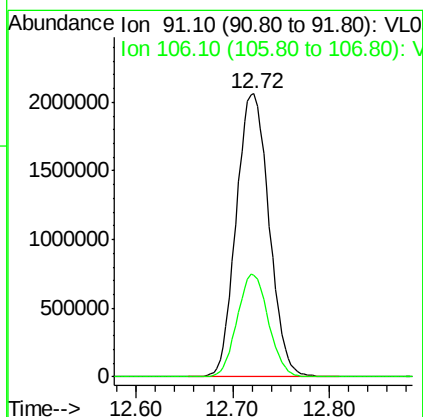
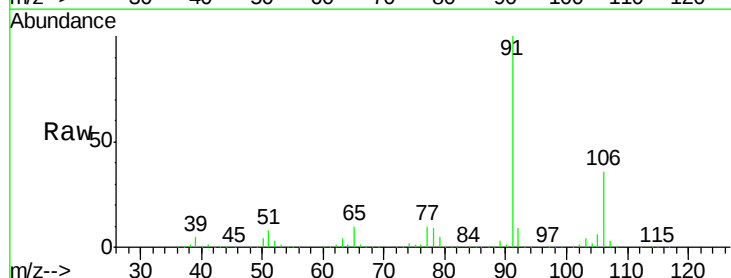
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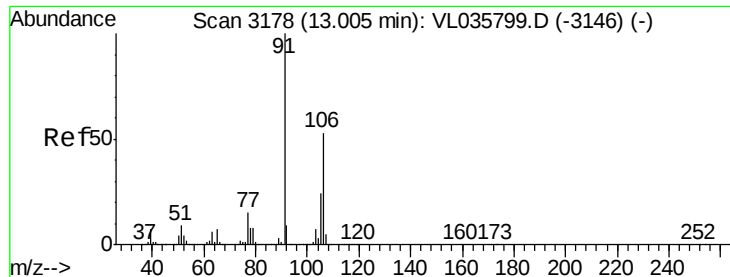
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#58
Ethyl Benzene
Concen: 10.859 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. -0.02 min
Lab File: VL035799.D
Acq: 3 Nov 2020 10:30

Tgt Ion: 91 Resp: 4866284
Ion Ratio Lower Upper
91 100
106 35.8 29.7 44.5





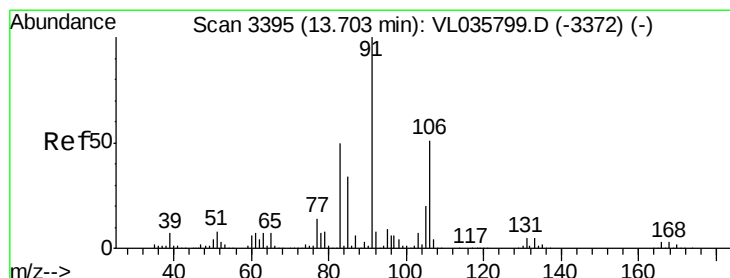
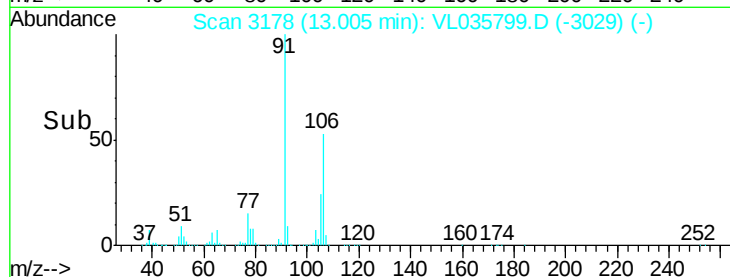
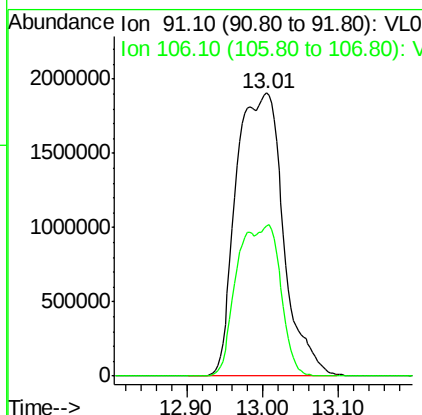
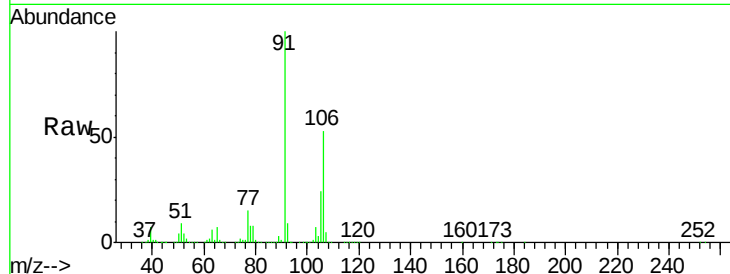
#59
m/p-Xylene
Concen: 20.996 ppbv m
RT: 13.01 min Scan# 3178
Delta R.T. -0.02 min
Lab File: VL035799.D
Acq: 3 Nov 2020 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 8216779
Ion Ratio Lower Upper
91 100
106 49.4 41.4 62.0

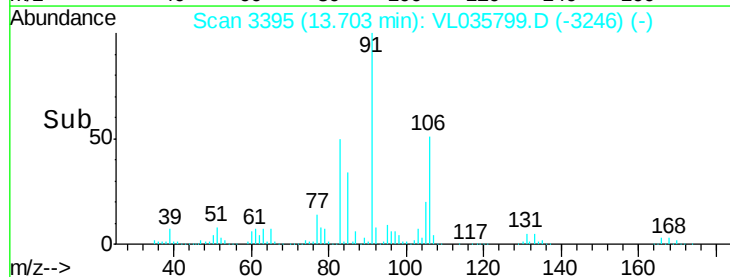
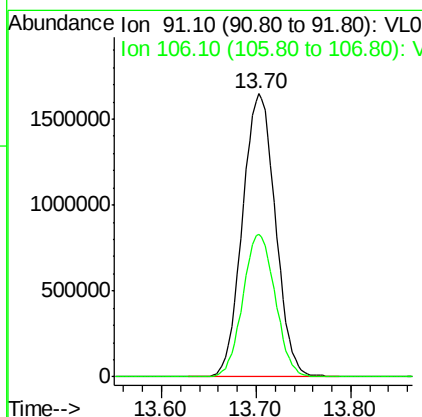
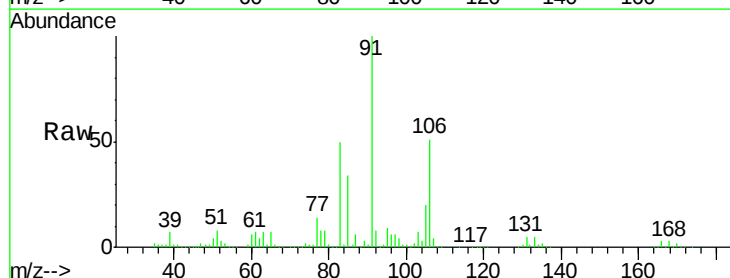
Manual Integrations
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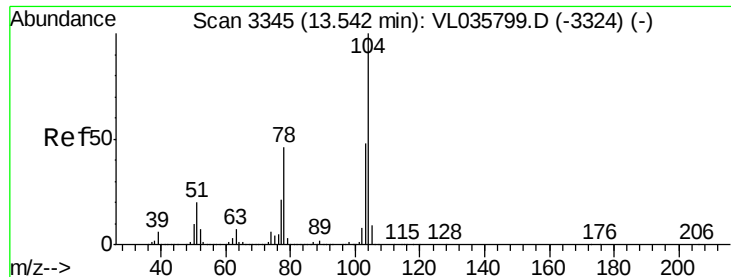
MMDadoda
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#60
o-Xylene
Concen: 10.045 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.02 min
Lab File: VL035799.D
Acq: 3 Nov 2020 10:30

Tgt Ion: 91 Resp: 3976827
Ion Ratio Lower Upper
91 100
106 49.6 25.0 75.0





#61

Styrene

Concen: 11.249 ppbv

RT: 13.54 min Scan# 3345

Delta R.T. -0.01 min

Lab File: VL035799.D

Acq: 3 Nov 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:104 Resp: 3079375

Ion Ratio Lower Upper

104 100

78 46.4 37.2 55.8

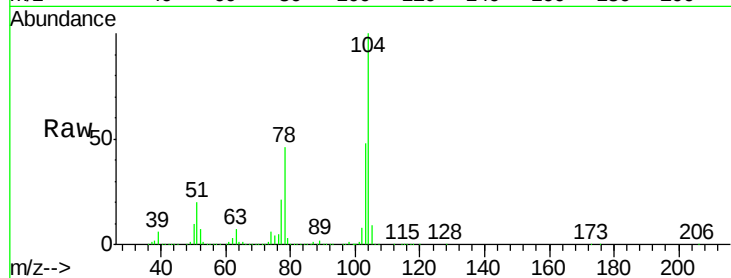
103 47.4 38.2 57.2

Manual Integrations

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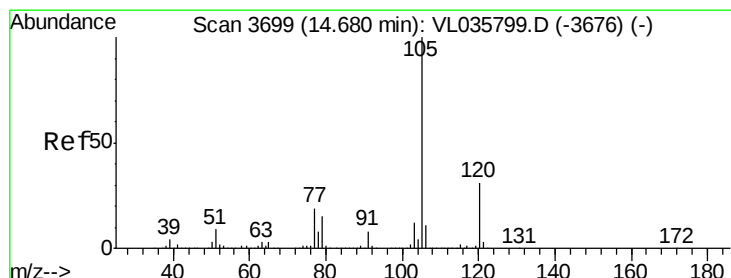
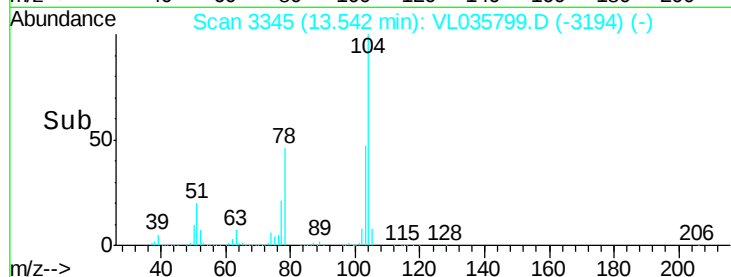
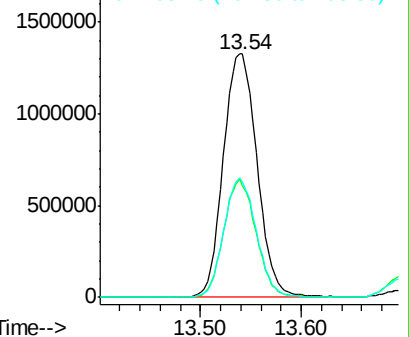
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.762 ppbv

RT: 14.68 min Scan# 3699

Delta R.T. -0.02 min

Lab File: VL035799.D

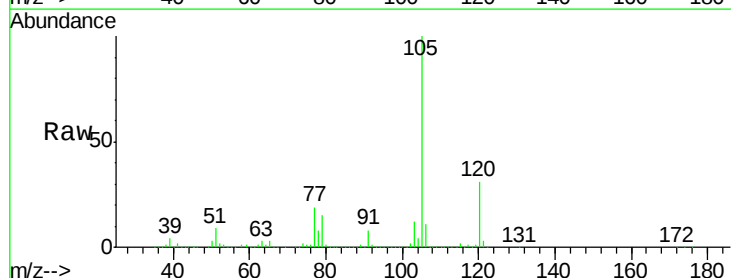
Acq: 3 Nov 2020 10:30

Tgt Ion:105 Resp: 5994220

Ion Ratio Lower Upper

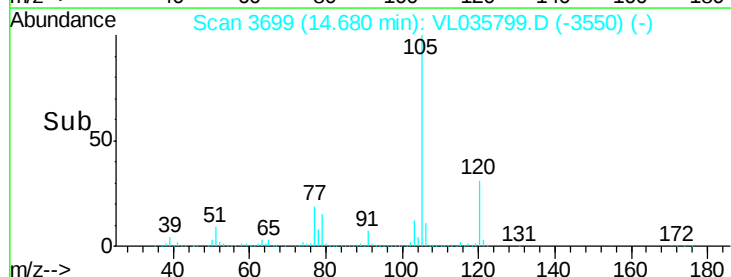
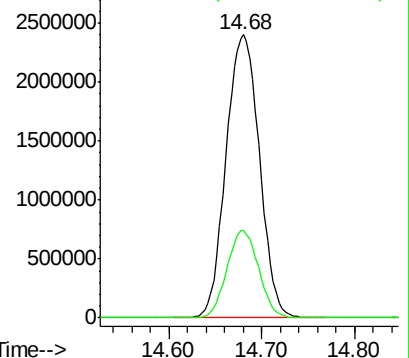
105 100

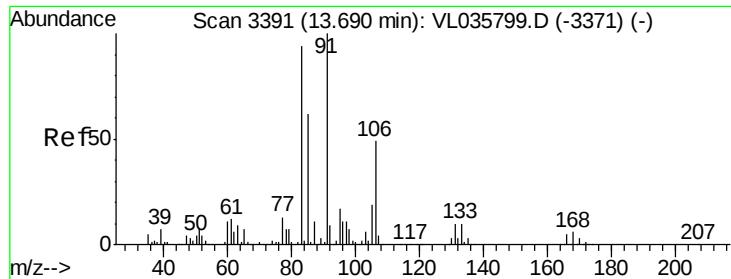
120 29.4 24.1 36.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





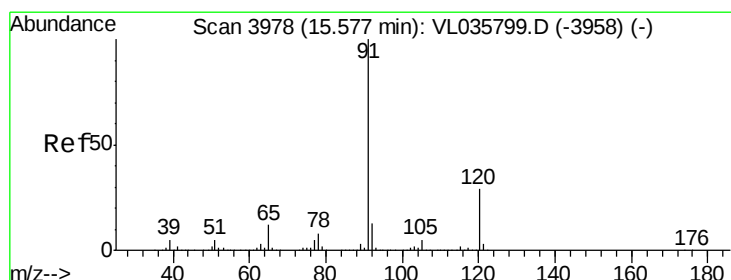
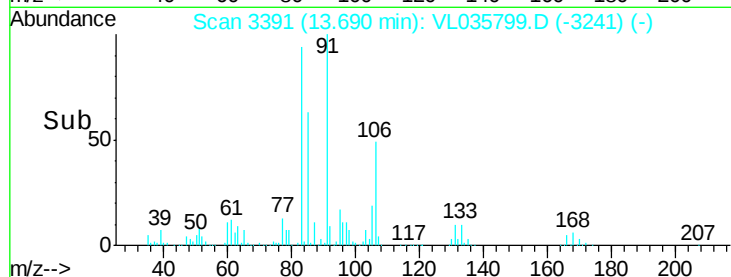
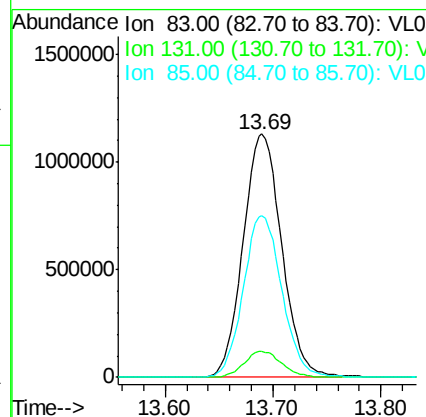
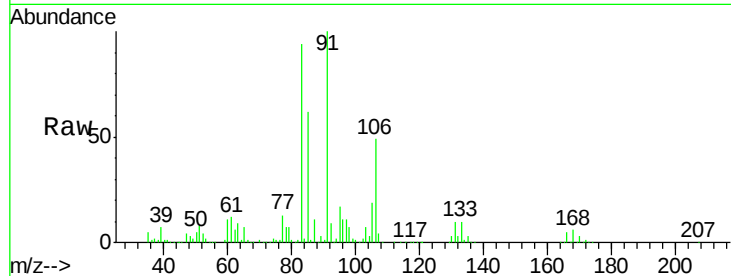
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.671 ppbv
 RT: 13.69 min Scan# 3391
 Delta R.T. -0.02 min
 Lab File: VL035799.D
 Acq: 3 Nov 2020 10:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 83 Resp: 2814774
 Ion Ratio Lower Upper
 83 100
 131 10.5 5.3 16.1
 85 66.9 33.4 100.2

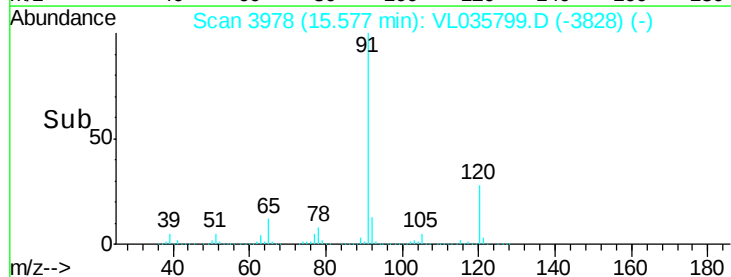
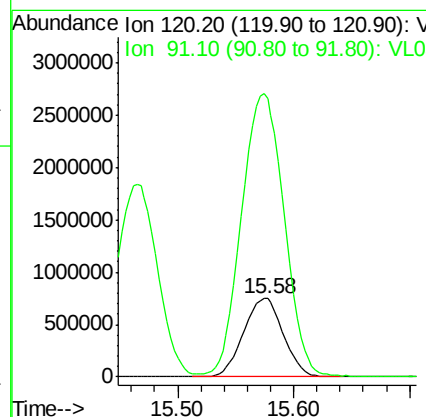
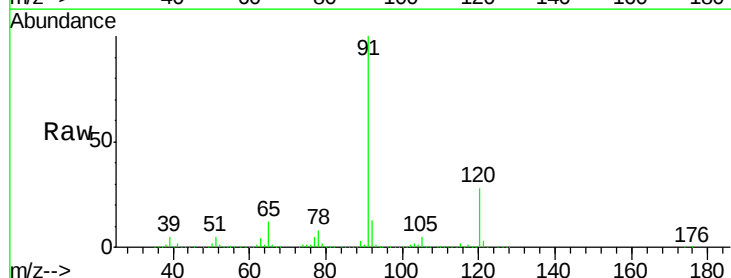
Manual Integrations
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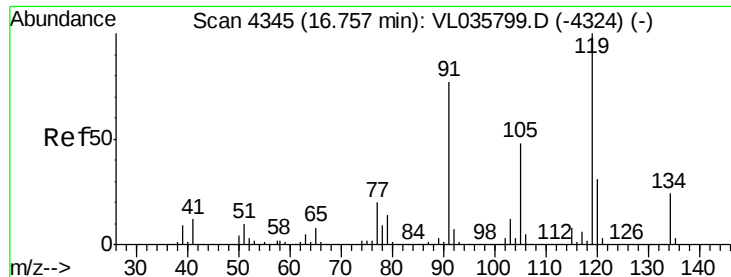
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#64
 n-propylbenzene
 Concen: 9.899 ppbv
 RT: 15.58 min Scan# 3978
 Delta R.T. -0.02 min
 Lab File: VL035799.D
 Acq: 3 Nov 2020 10:30

Tgt Ion: 120 Resp: 1779083
 Ion Ratio Lower Upper
 120 100
 91 388.9 300.4 450.6





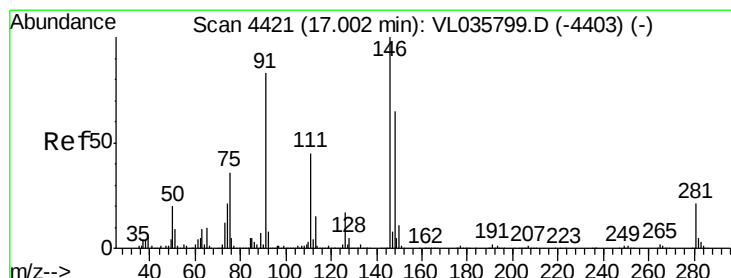
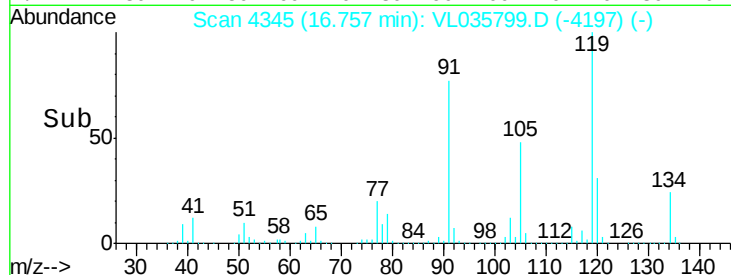
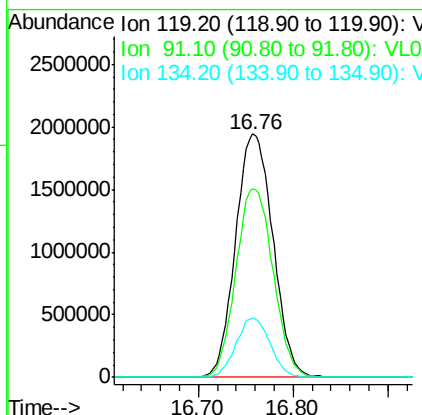
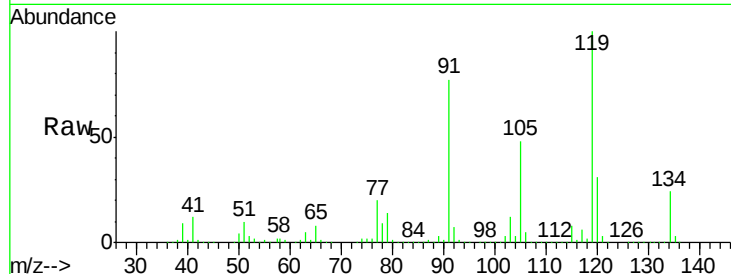
#65
tert-Butylbenzene
Concen: 9.552 ppbv
RT: 16.76 min Scan# 4345
Delta R.T. -0.02 min
Lab File: VL035799.D
Acq: 3 Nov 2020 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 119 Resp: 5332554
Ion Ratio Lower Upper
119 100
91 77.5 62.4 93.6
134 22.3 18.2 27.2

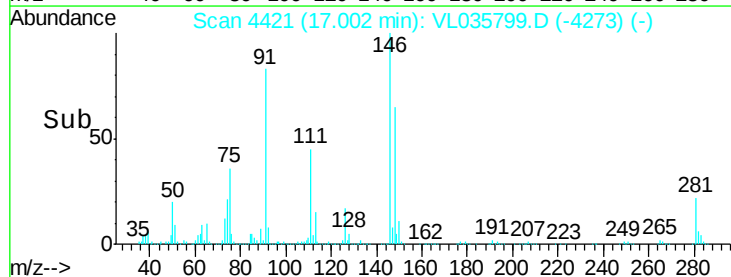
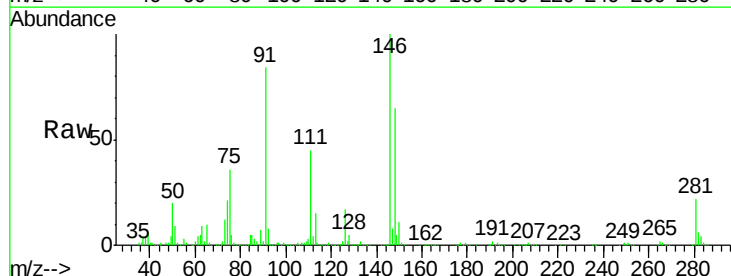
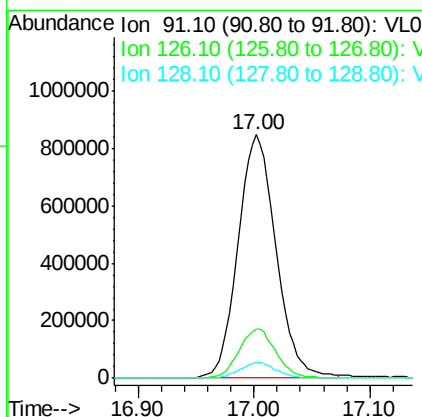
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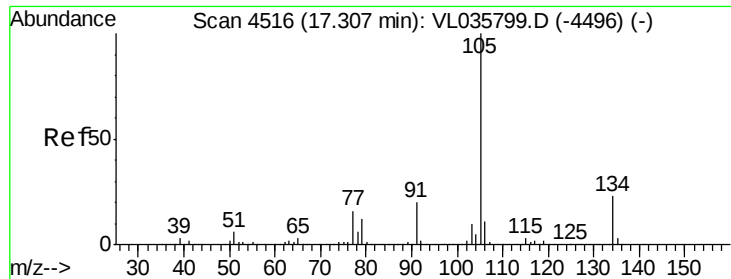
MMDadoda
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#66
Benzyl Chloride
Concen: 11.357 ppbv
RT: 17.00 min Scan# 4421
Delta R.T. -0.02 min
Lab File: VL035799.D
Acq: 3 Nov 2020 10:30

Tgt Ion: 91 Resp: 1921017
Ion Ratio Lower Upper
91 100
126 20.0 15.3 22.9
128 6.2 5.0 7.4





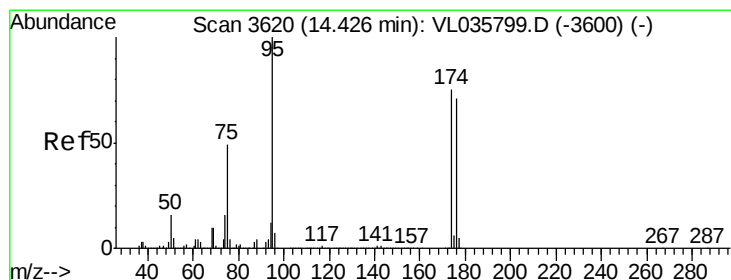
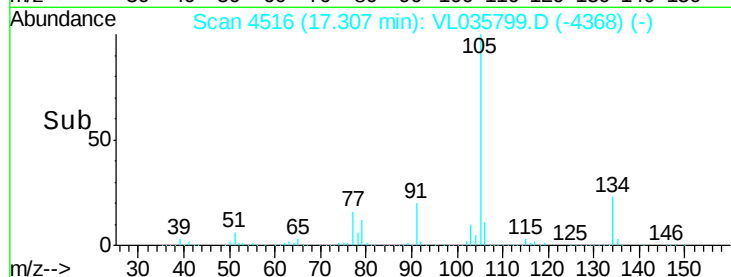
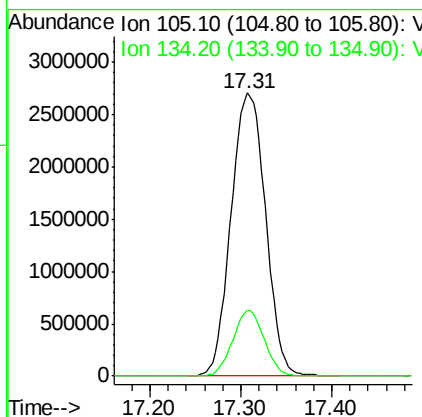
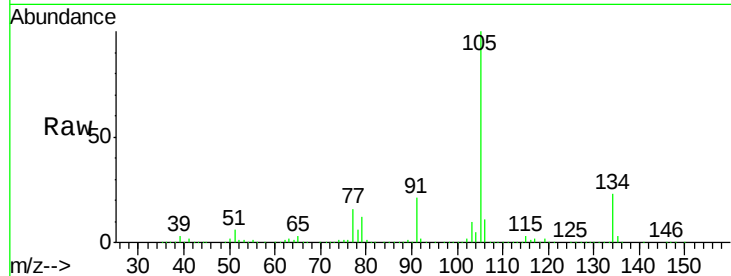
#67
 sec-Butylbenzene
 Concen: 9.247 ppbv
 RT: 17.31 min Scan# 4516
 Delta R.T. -0.02 min
 Lab File: VL035799.D
 Acq: 3 Nov 2020 10:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 105 Resp: 7128857
 Ion Ratio Lower Upper
 105 100
 134 21.3 17.6 26.4

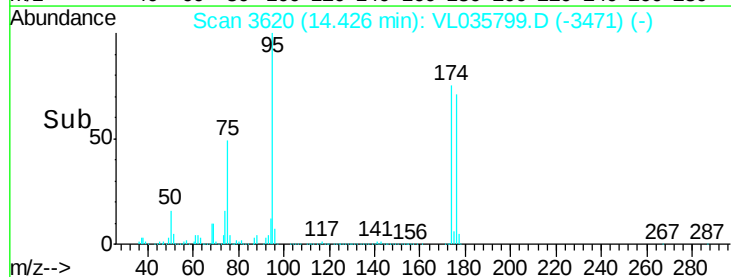
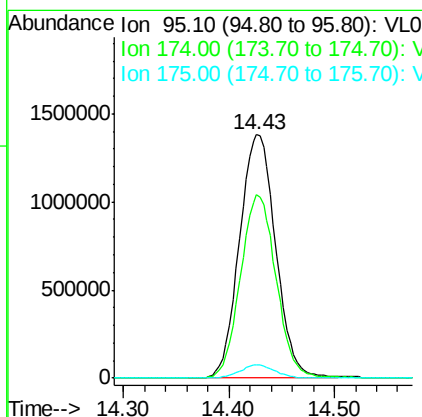
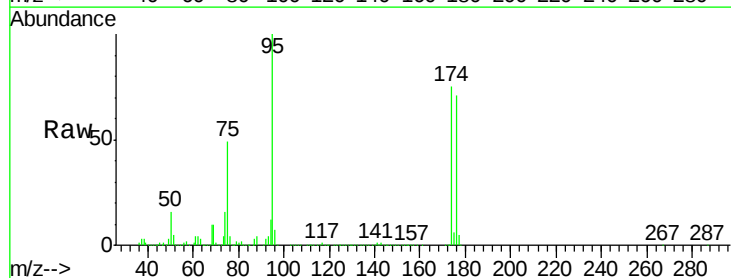
Manual Integrations
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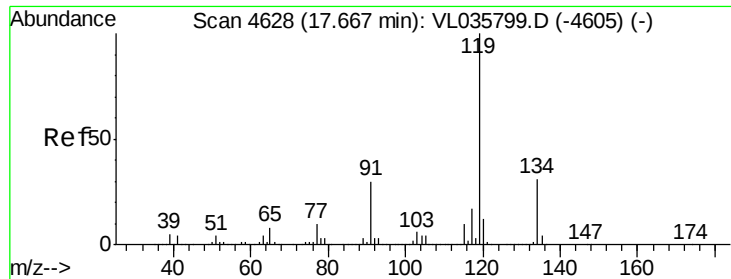
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.844 ppbv
 RT: 14.43 min Scan# 3620
 Delta R.T. -0.02 min
 Lab File: VL035799.D
 Acq: 3 Nov 2020 10:30

Tgt Ion: 95 Resp: 3293410
 Ion Ratio Lower Upper
 95 100
 174 74.7 59.6 89.4
 175 5.4 4.2 6.4





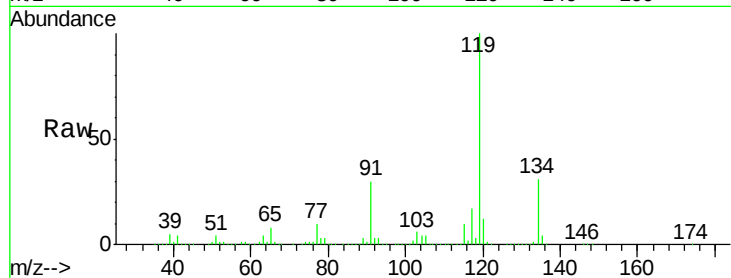
#69
p-Isopropyltoluene
Concen: 9.423 ppbv
RT: 17.67 min Scan# 4628
Delta R.T. -0.02 min
Lab File: VL035799.D
Acq: 3 Nov 2020 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

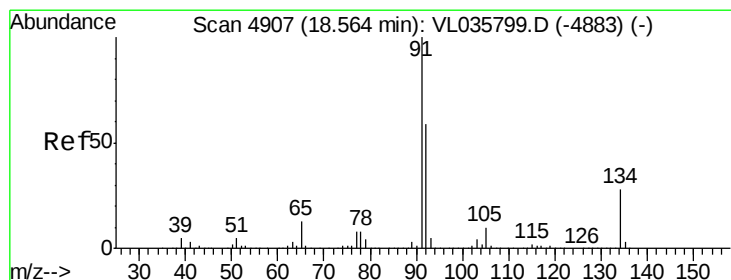
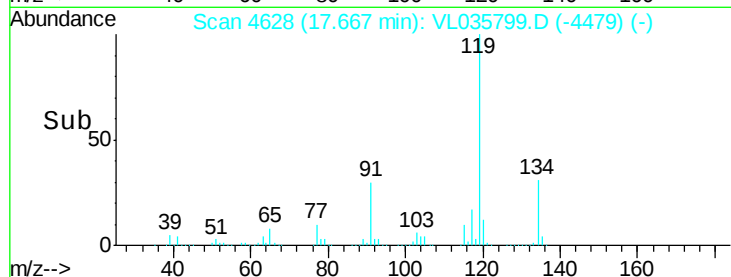
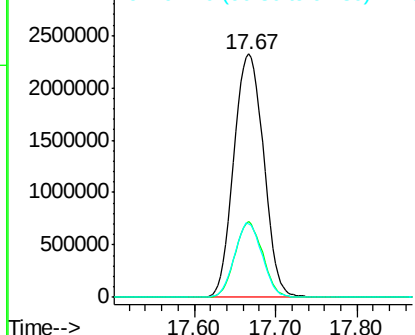
Tgt Ion: 119 Resp: 5910560
Ion Ratio Lower Upper
119 100
134 28.8 23.9 35.9
91 28.5 23.8 35.6

Manual Integrations
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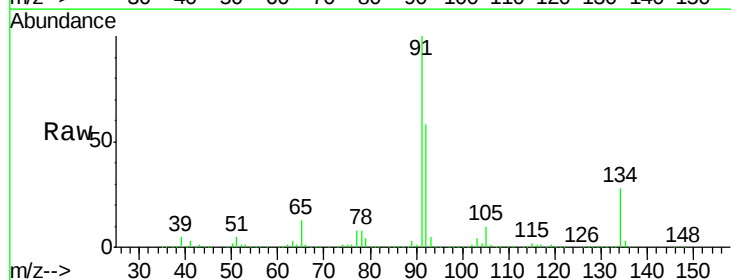


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

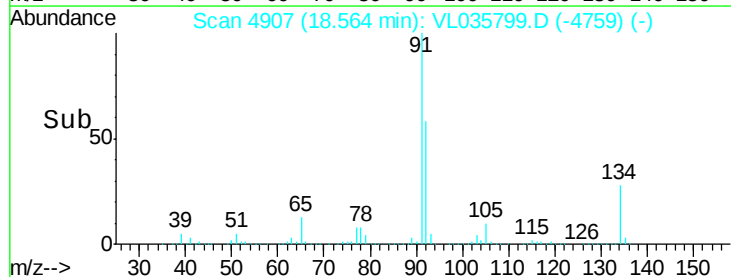
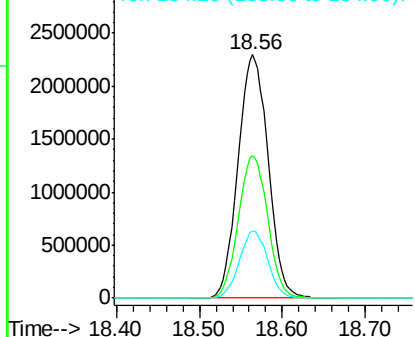


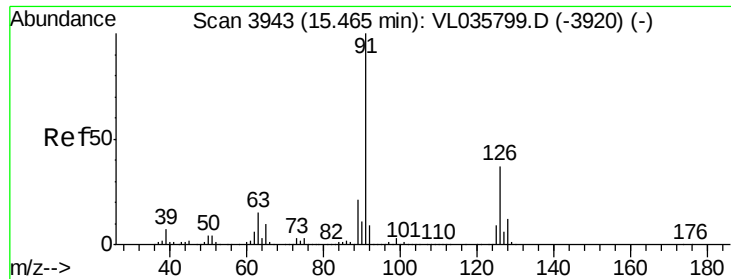
#70
n-Butylbenzene
Concen: 8.971 ppbv
RT: 18.56 min Scan# 4907
Delta R.T. -0.02 min
Lab File: VL035799.D
Acq: 3 Nov 2020 10:30

Tgt Ion: 91 Resp: 5794132
Ion Ratio Lower Upper
91 100
92 57.1 47.0 70.4
134 26.2 21.9 32.9



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





#71

2-Chlorotoluene

Concen: 10.009 ppbv

RT: 15.46 min Scan# 3943

Delta R.T. -0.02 min

Lab File: VL035799.D

Acq: 3 Nov 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 91 Resp: 4483095

Ion Ratio Lower Upper

91 100

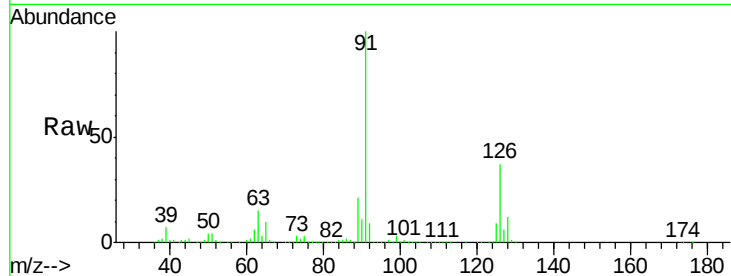
126 35.7 14.4 57.4

Manual Integrations

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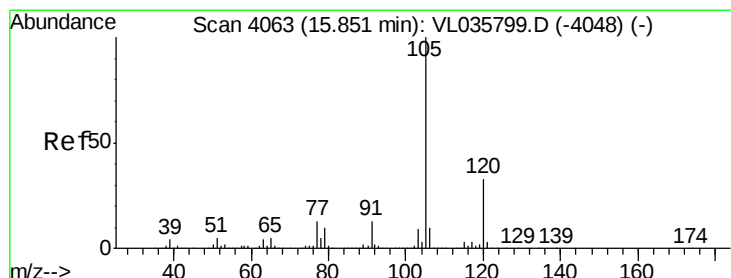
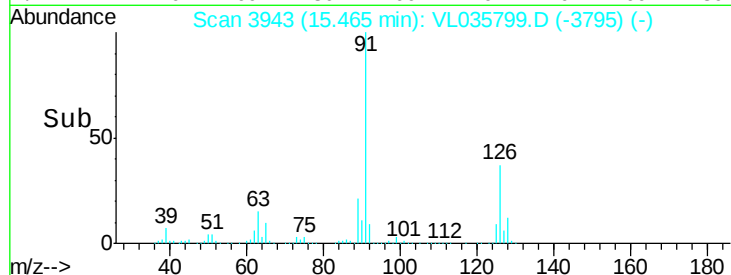
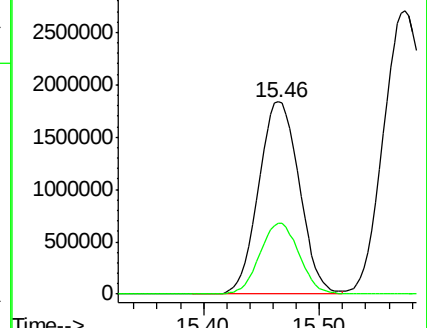
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.095 ppbv

RT: 15.85 min Scan# 4063

Delta R.T. -0.02 min

Lab File: VL035799.D

Acq: 3 Nov 2020 10:30

Tgt Ion: 105 Resp: 4734524

Ion Ratio Lower Upper

105 100

120 32.4 26.5 39.7

91 12.4 10.2 15.2

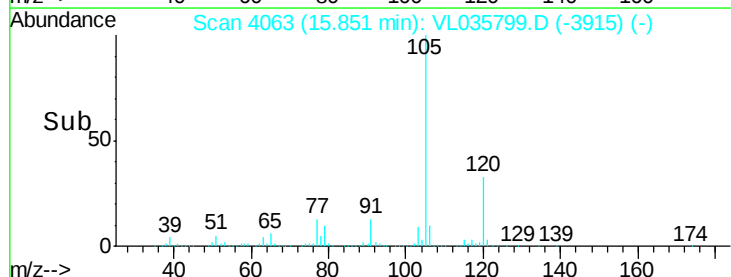
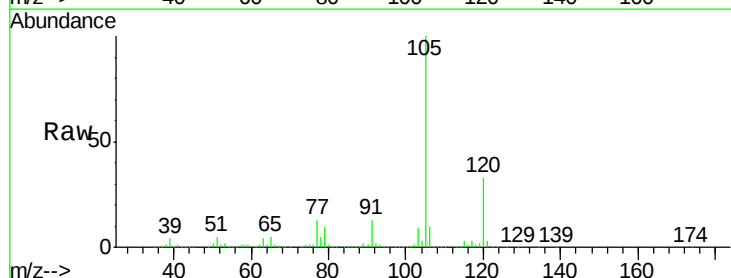
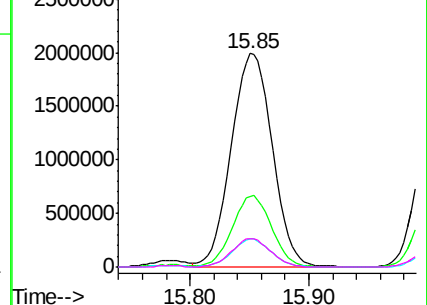
77 12.7 10.3 15.5

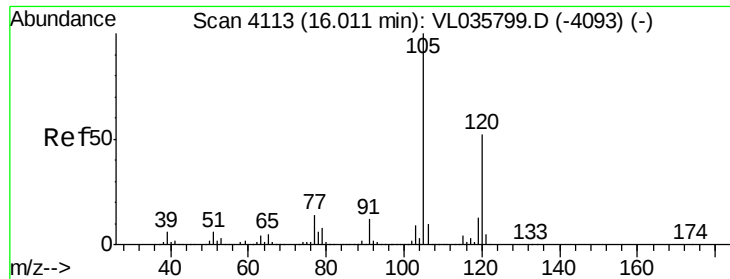
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 9.819 ppbv

RT: 16.01 min Scan# 4113

Delta R.T. -0.02 min

Lab File: VL035799.D

Acq: 3 Nov 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:105 Resp: 4351362

Ion Ratio Lower Upper

105 100

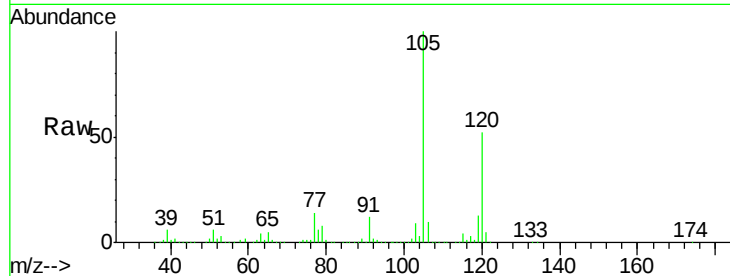
120 51.8 43.0 64.4

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.01

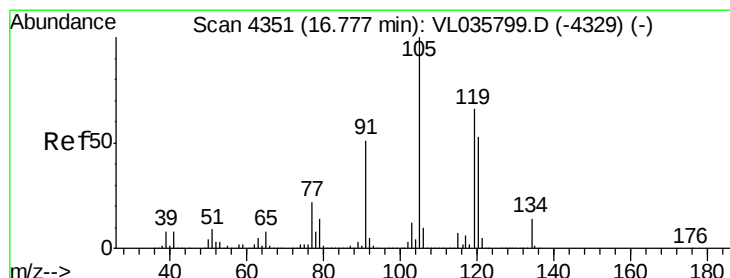
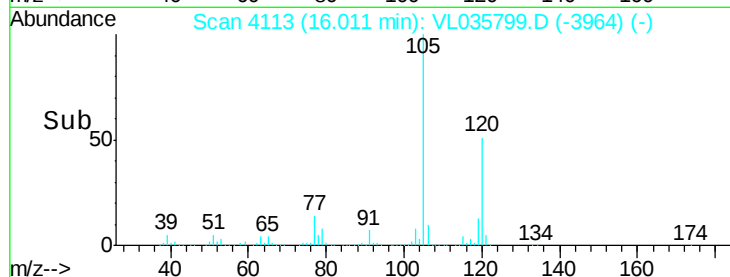
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.994 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. -0.02 min

Lab File: VL035799.D

Acq: 3 Nov 2020 10:30

Tgt Ion:105 Resp: 4493445

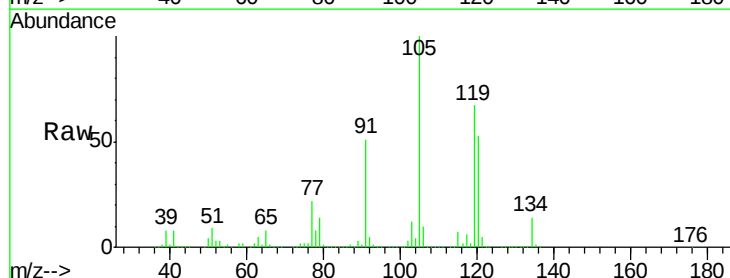
Ion Ratio Lower Upper

105 100

120 52.5 42.5 63.7

91 51.3 37.7 56.5

77 21.6 16.7 25.1



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

2500000

2000000

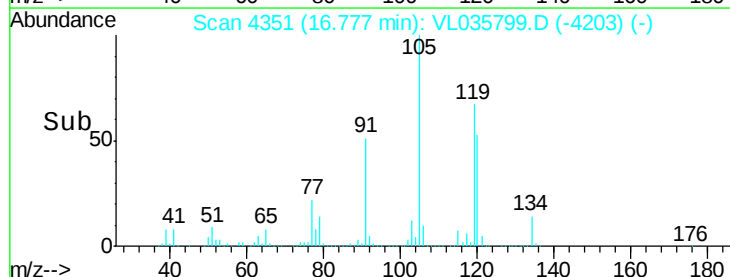
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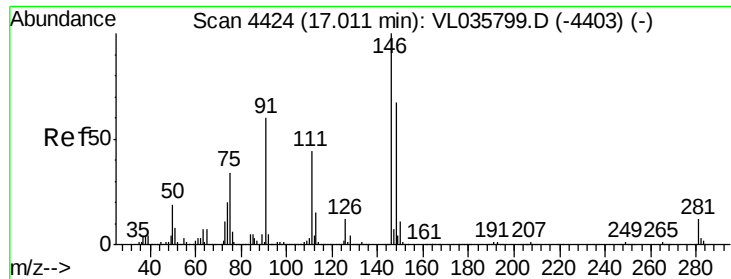
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Time-->





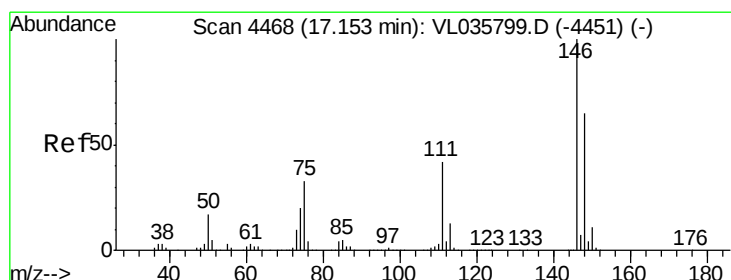
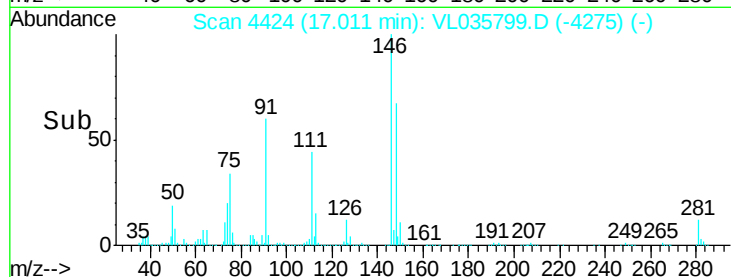
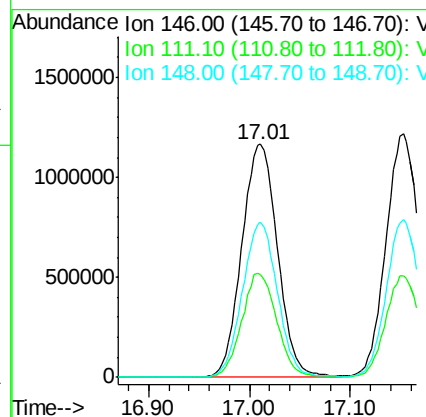
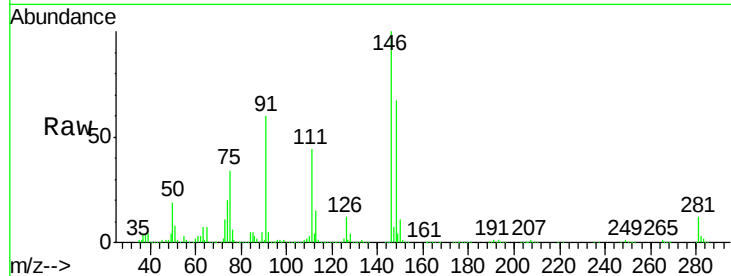
#75
 1,3-Dichlorobenzene
 Concen: 8.420 ppbv
 RT: 17.01 min Scan# 4424
 Delta R.T. -0.02 min
 Lab File: VL035799.D
 Acq: 3 Nov 2020 10:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:146 Resp: 2871840
 Ion Ratio Lower Upper
 146 100
 111 43.6 22.4 67.0
 148 65.0 33.0 99.0

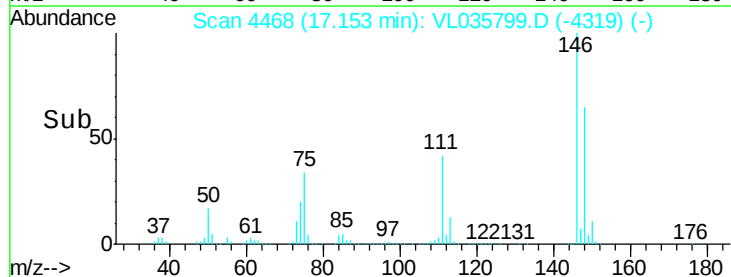
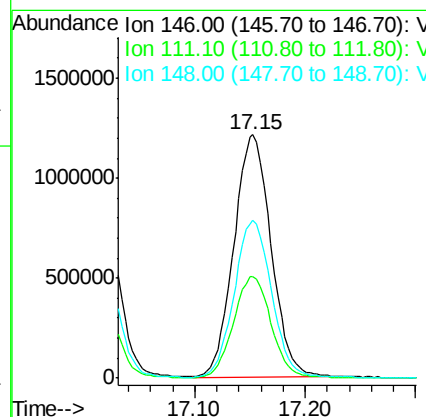
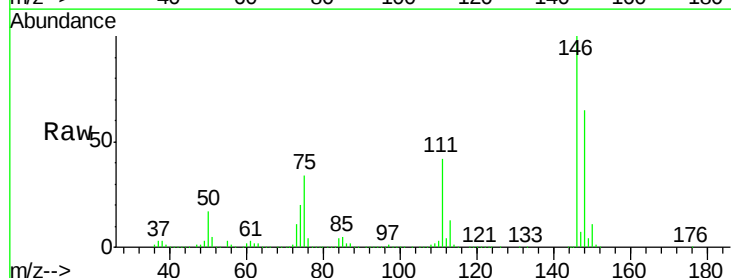
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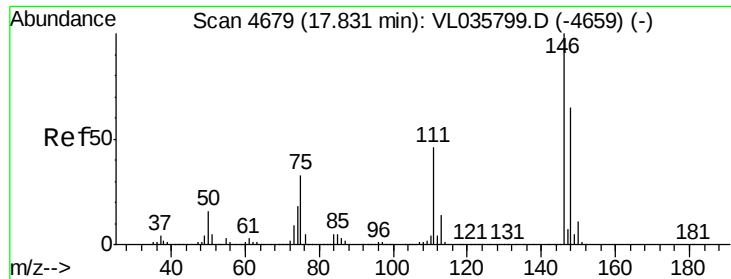
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#76
 1,4-Dichlorobenzene
 Concen: 8.690 ppbv
 RT: 17.15 min Scan# 4468
 Delta R.T. -0.02 min
 Lab File: VL035799.D
 Acq: 3 Nov 2020 10:30

Tgt Ion:146 Resp: 2833248
 Ion Ratio Lower Upper
 146 100
 111 42.5 21.4 64.3
 148 66.0 32.6 98.0





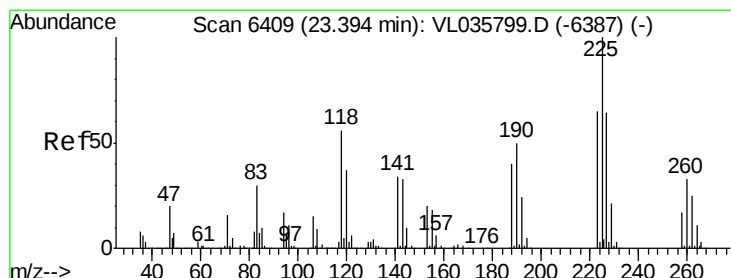
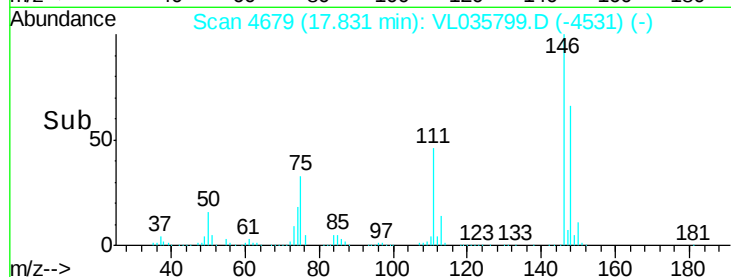
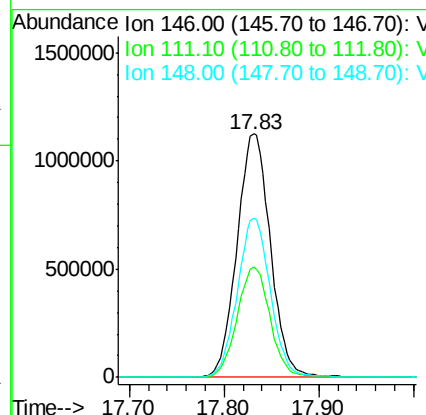
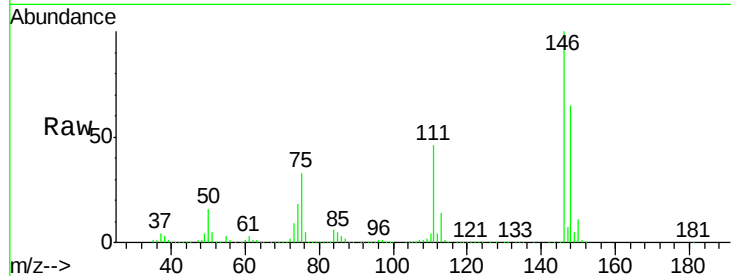
#77
 1,2-Dichlorobenzene
 Concen: 8.558 ppbv
 RT: 17.83 min Scan# 4679
 Delta R.T. -0.02 min
 Lab File: VL035799.D
 Acq: 3 Nov 2020 10:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:146 Resp: 2757096
 Ion Ratio Lower Upper
 146 100
 111 44.7 22.9 68.5
 148 65.0 32.6 98.0

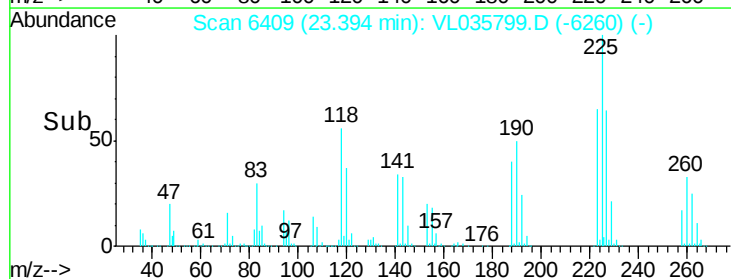
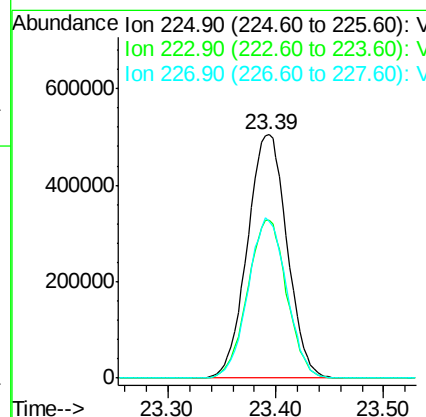
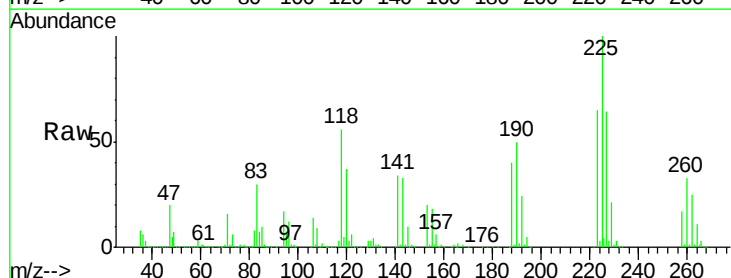
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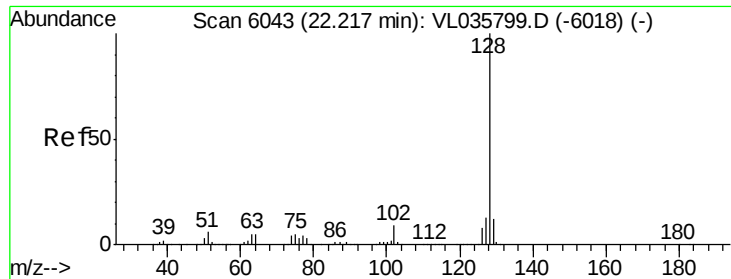
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.253 ppbv
 RT: 23.39 min Scan# 6409
 Delta R.T. -0.02 min
 Lab File: VL035799.D
 Acq: 3 Nov 2020 10:30

Tgt Ion:225 Resp: 1289044
 Ion Ratio Lower Upper
 225 100
 223 63.8 51.3 76.9
 227 64.0 51.6 77.4





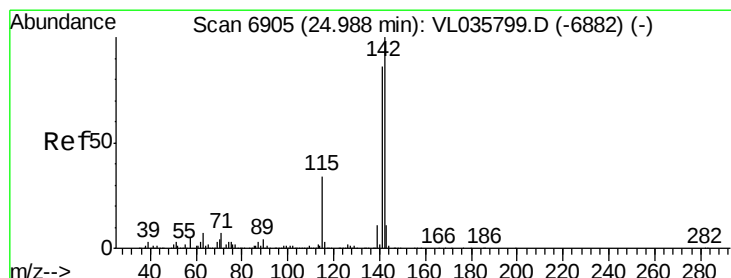
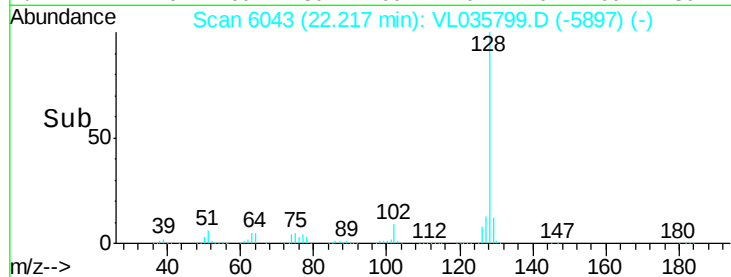
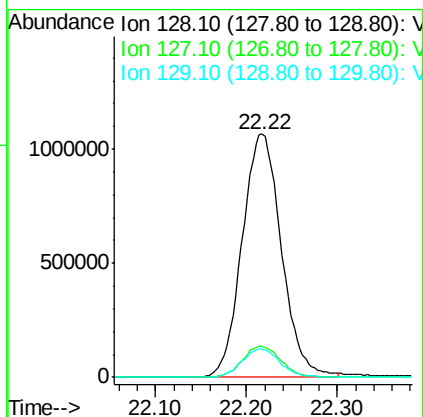
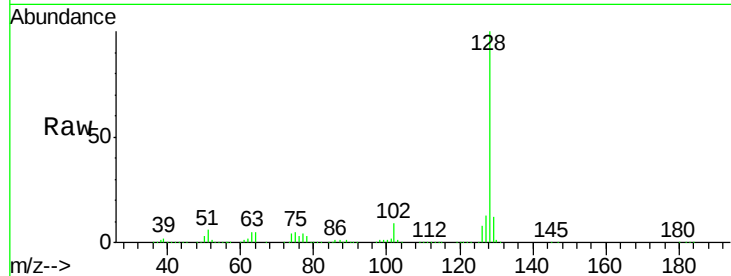
#79
Naphthalene
Concen: 6.700 ppbv
RT: 22.22 min Scan# 6043
Delta R.T. -0.03 min
Lab File: VL035799.D
Acq: 3 Nov 2020 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	15.8
129	11.5	9.4	14.0

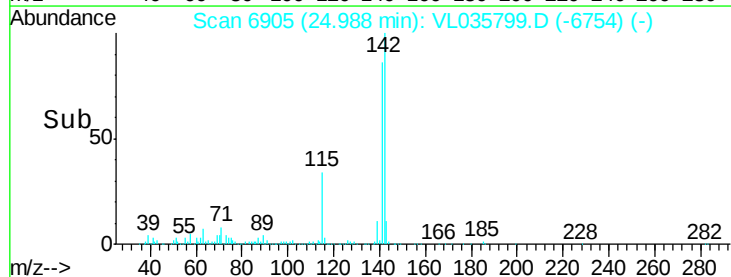
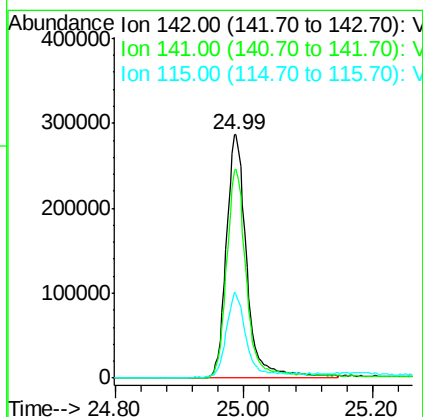
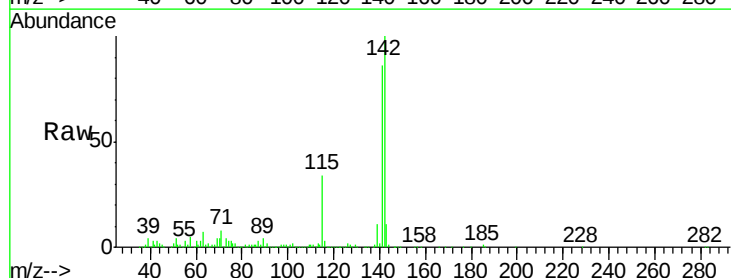
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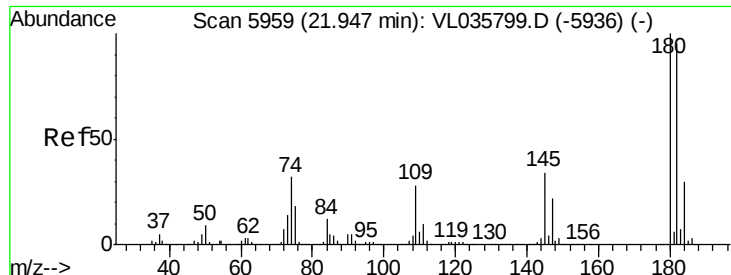
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#80
Naphthalene, 2-methyl-
Concen: 5.631 ppbv
RT: 24.99 min Scan# 6905
Delta R.T. -0.01 min
Lab File: VL035799.D
Acq: 3 Nov 2020 10:30

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.8	68.2	102.4
115	35.1	27.8	41.6





#81
 1,2,4-Trichlorobenzene
 Concen: 7.084 ppbv
 RT: 21.95 min Scan# 5959
 Delta R.T. -0.03 min
 Lab File: VL035799.D
 Acq: 3 Nov 2020 10:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:180 Resp: 1749222
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.2 114.2
 184 30.9 24.6 37.0

Manual Integrations
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