

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111020\
 Data File : VL035906.D
 Acq On : 11 Nov 2020 10:08
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 11/12/2020 1:43:59 PM

Quant Time: Nov 12 10:21:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1202486	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4723130	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4320422m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3320309	10.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	2001197	8.839 ppbv	99
3) Chlorodifluoromethane	2.98	51	1373401	9.537 ppbv	99
4) Chloromethane	3.13	50	685570	9.800 ppbv	98
5) Vinyl Chloride	3.25	62	857233	9.613 ppbv	97
6) Bromomethane	3.47	94	698525	9.740 ppbv	99
7) Chloroethane	3.55	64	328207	10.457 ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	2395313	9.245 ppbv	98
9) Propene	3.00	41	520645	9.878 ppbv	99
10) Heptane	8.12	43	1447040	9.940 ppbv	100
11) Trichlorofluoromethane	3.94	101	2725648	9.588 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2030473	9.593 ppbv	96
13) Ethanol	3.60	45	107860	9.433 ppbv	99
14) Bromoethene	3.73	108	914526	9.389 ppbv	100
15) Acetone	3.84	43	1207420	9.392 ppbv	100
16) 1,3-Butadiene	3.32	39	530962	9.593 ppbv	97
17) tert-Butyl alcohol	4.29	59	1735916	10.189 ppbv	100
18) 1,1-Dichloroethene	4.28	96	945756	9.732 ppbv	92
19) Isopropyl Alcohol	3.96	45	823198	10.420 ppbv	98
20) Methylene Chloride	4.34	84	779071	8.609 ppbv	99
21) Allyl Chloride	4.41	41	726055	10.444 ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	957553	9.720 ppbv	96
23) Vinyl Acetate	5.07	43	1697562	9.420 ppbv	98
24) 1,1-Dichloroethane	5.01	63	1656632	9.650 ppbv	100
25) Ethyl Acetate	5.67	43	2484628	9.811 ppbv	100
26) Hexane	5.69	57	1325268	9.489 ppbv	99
27) Carbon Disulfide	4.54	76	2058678	9.837 ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2343029	9.342 ppbv	100
29) Chloroform	5.75	83	2579092	9.395 ppbv	100
30) Cyclohexane	7.13	84	1408710	9.260 ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1407739	9.797 ppbv	96
32) 1,1,1-Trichloroethane	6.51	97	2529551	8.830 ppbv	99
34) 2-Butanone	5.24	43	1593510	10.396 ppbv	100
35) Carbon Tetrachloride	7.02	117	2505889	9.930 ppbv	100
36) Benzene	6.89	78	3339957	9.512 ppbv	98
37) 1,2-Dichloroethane	6.31	62	1630731	10.251 ppbv	100
38) Trichloroethene	7.84	130	1518307	8.853 ppbv	97
39) 1,2-Dichloropropane	7.61	63	1153687	9.759 ppbv	99
40) 1,4-Dioxane	7.83	88	544007	9.709 ppbv	100
41) Tetrahydrofuran	6.05	42	942453	10.822 ppbv	100
42) Bromodichloromethane	7.79	83	2675249	9.967 ppbv	97
43) Methyl Methacrylate	8.01	69	1368089	10.215 ppbv	98

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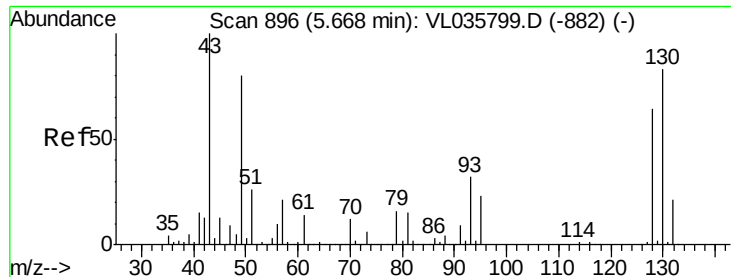
Manual Integrations
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MMDadoda
 11/12/2020 1:43:59 PM

Quant Time: Nov 12 10:21:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04
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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	4487302	9.657	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1469846	10.352	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1820675	10.125	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1527592	9.483	ppbv	99
48) Dibromochloromethane	10.31	129	2482343	10.087	ppbv	100
49) Bromoform	13.05	173	2102073	10.123	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2430213	10.368	ppbv	100
51) 2-Hexanone	10.14	43	1994919	10.595	ppbv #	99
52) Tetrachloroethene	11.23	164	1422922	8.553	ppbv	98
53) Toluene	9.81	91	4026051	9.502	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2349369	9.590	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.13	131	1917461	9.888	ppbv #	93
57) Chlorobenzene	12.15	112	3236800	9.423	ppbv	98
58) Ethyl Benzene	12.72	91	5198255	9.879	ppbv	99
59) m/p-Xylene	13.00	91	8776212m	19.713	ppbv	
60) o-Xylene	13.70	91	4262232	9.842	ppbv	100
61) Styrene	13.53	104	3287232	10.359	ppbv	99
62) Isopropylbenzene	14.67	105	6427043	9.442	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	3040866	9.062	ppbv	100
64) n-propylbenzene	15.57	120	1931756	9.818	ppbv	99
65) tert-Butylbenzene	16.75	119	5780011	9.329	ppbv	99
66) Benzyl Chloride	17.00	91	2107993	10.293	ppbv	100
67) sec-Butylbenzene	17.30	105	7847212	9.398	ppbv	100
69) p-Isopropyltoluene	17.66	119	6571837	9.538	ppbv	100
70) n-Butylbenzene	18.56	91	6515872	9.820	ppbv	99
71) 2-Chlorotoluene	15.46	91	4922867	9.887	ppbv	99
72) 4-Ethyltoluene	15.85	105	5187333	9.876	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	4774678	9.933	ppbv	98
74) 1,2,4-Trimethylbenzene	16.77	105	4954943	9.620	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	3098367	9.448	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	3072259	9.711	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	3031036	9.481	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1492247	10.004	ppbv	99
79) Naphthalene	22.21	128	4143424	11.540	ppbv	100
80) Naphthalene, 2-methyl-	24.98	142	1054717	18.026	ppbv	98
81) 1,2,4-Trichlorobenzene	21.93	180	2073200	10.335	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

Lab File: VL035906.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1202486

Ion Ratio Lower Upper

49 100

128 82.0 41.5 124.6

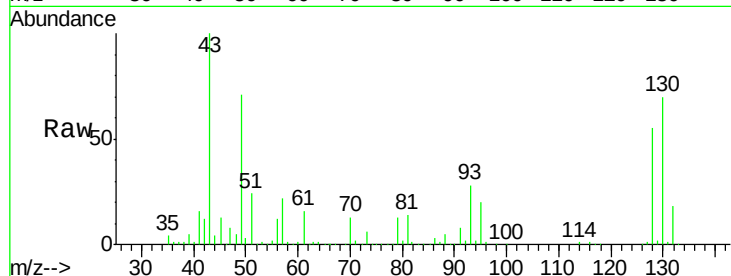
130 105.0 53.7 161.1

Manual Integrations

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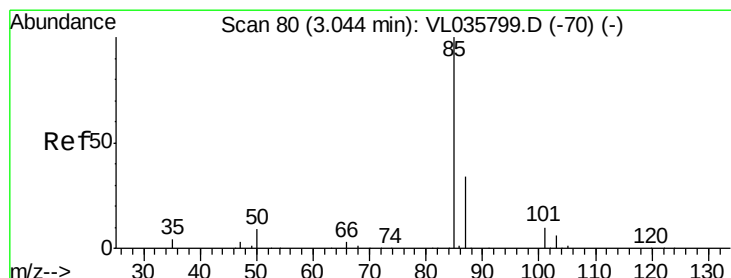
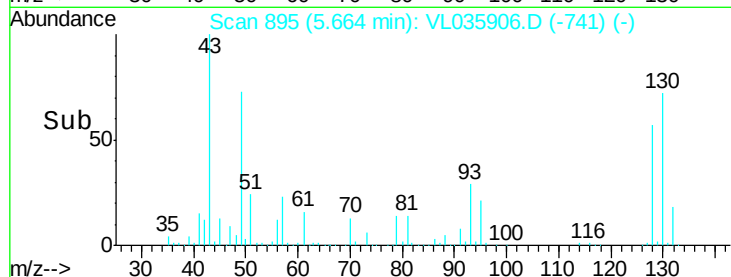
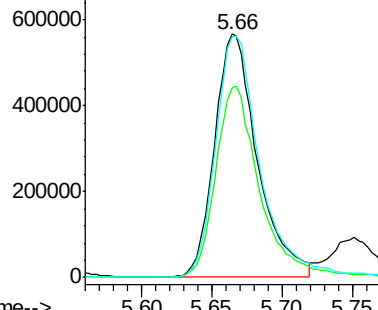
11/12/2020 1:43:59 PM



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: 8.839 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL035906.D

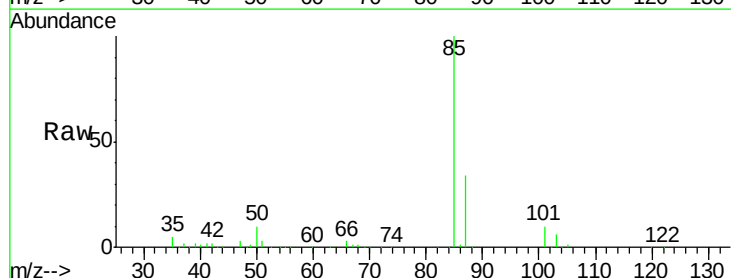
Acq: 11 Nov 2020 10:08

Tgt Ion: 85 Resp: 2001197

Ion Ratio Lower Upper

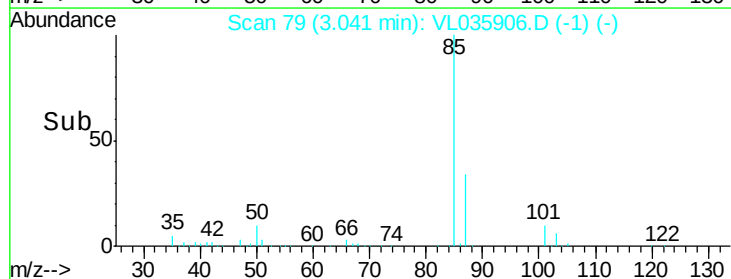
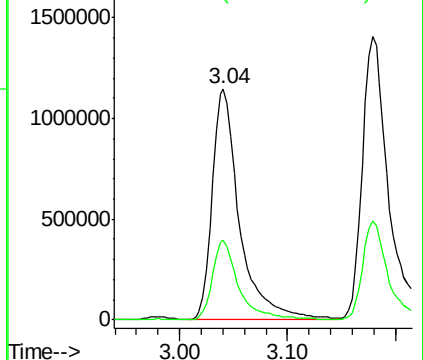
85 100

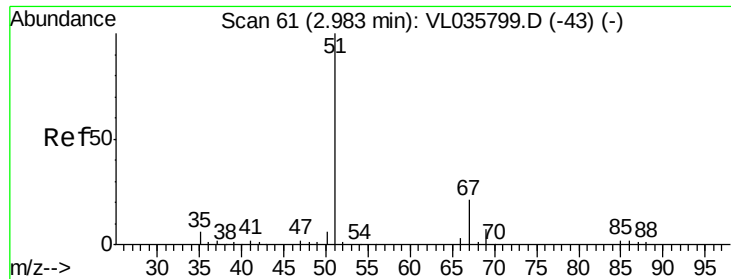
87 34.4 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.537 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Tot Ion: 51 Resp: 1373401

Ion Ratio Lower Upper

51 100

67 21.8 17.0 25.4

Instrument :

MSVOA_L

ClientSampleId :

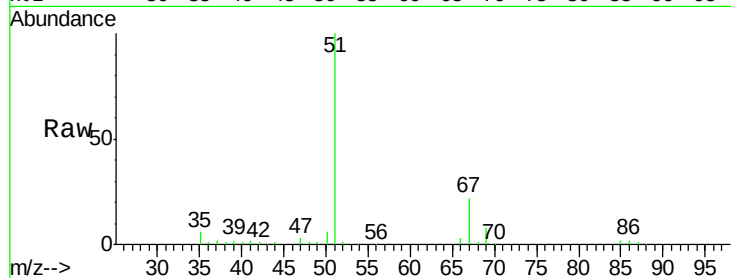
VSTDCCC010EC

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.98

800000

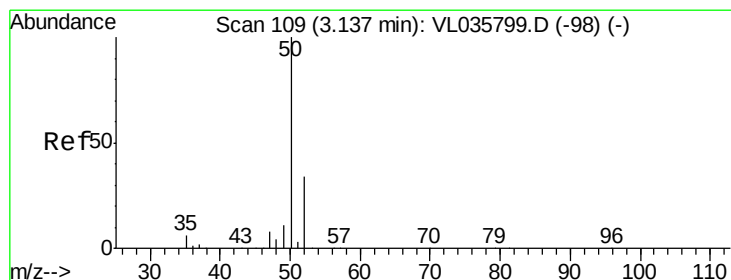
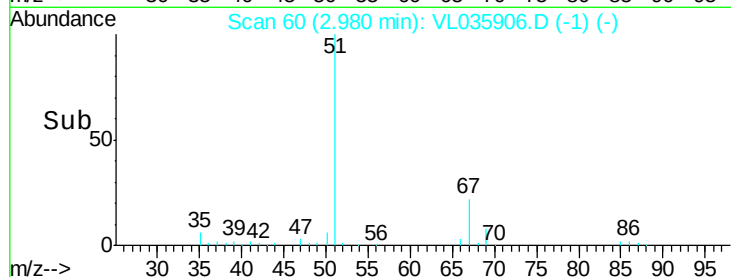
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 9.800 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL035906.D

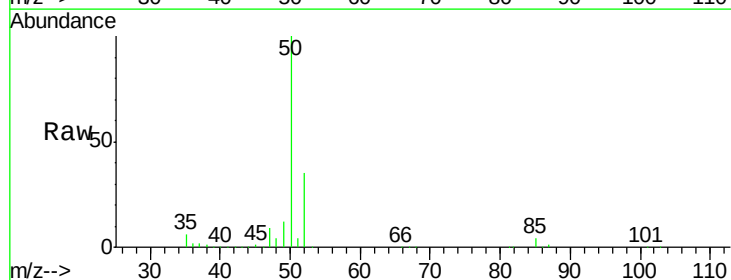
Acq: 11 Nov 2020 10:08

Tgt Ion: 50 Resp: 685570

Ion Ratio Lower Upper

50 100

52 35.0 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.13

400000

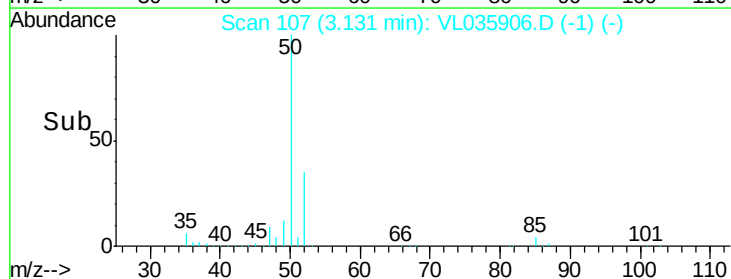
300000

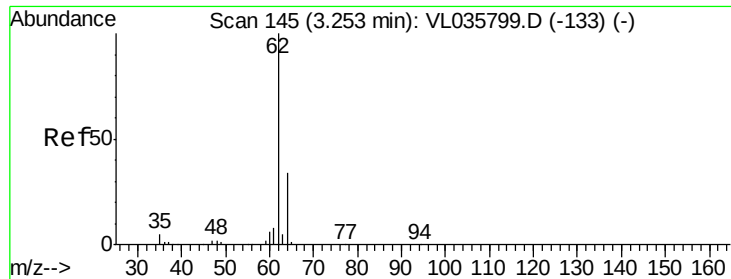
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 9.613 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 857233

Ion Ratio Lower Upper

62 100

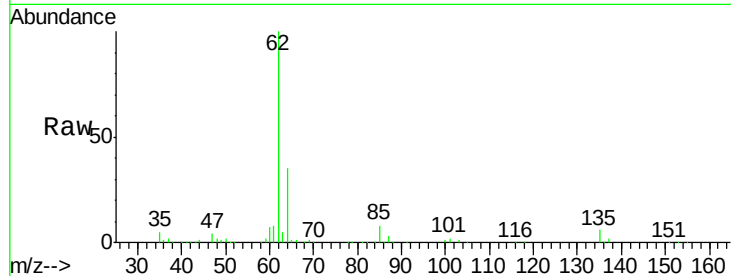
64 35.2 26.9 40.3

Manual Integrations

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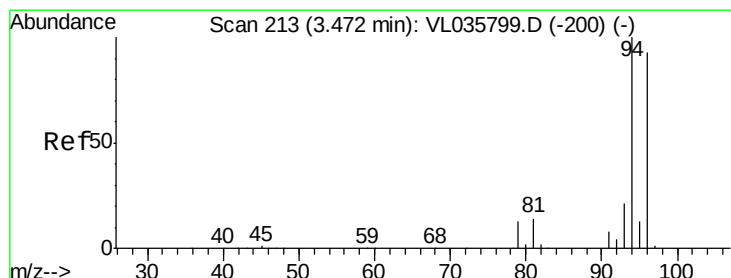
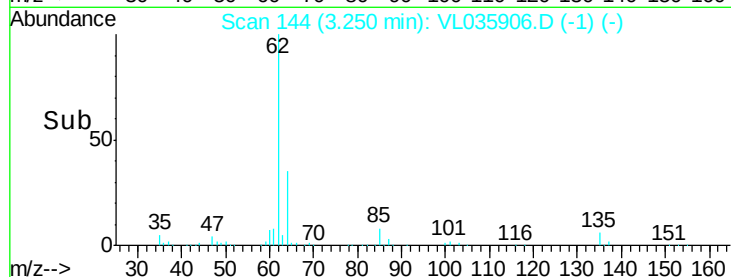
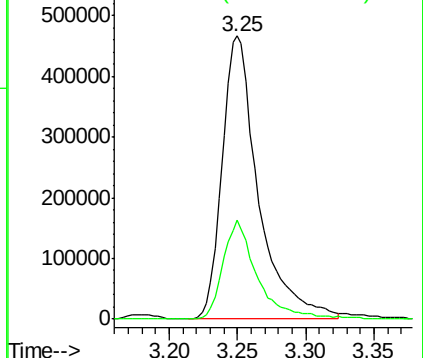
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.740 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.01 min

Lab File: VL035906.D

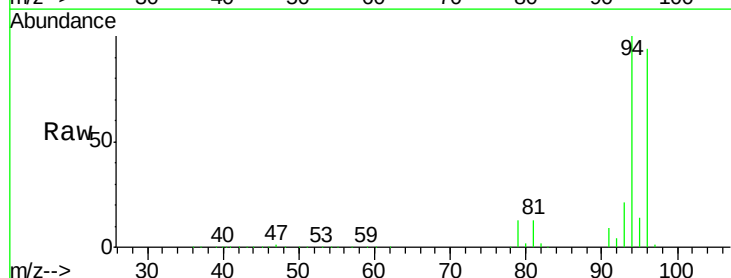
Acq: 11 Nov 2020 10:08

Tgt Ion: 94 Resp: 698525

Ion Ratio Lower Upper

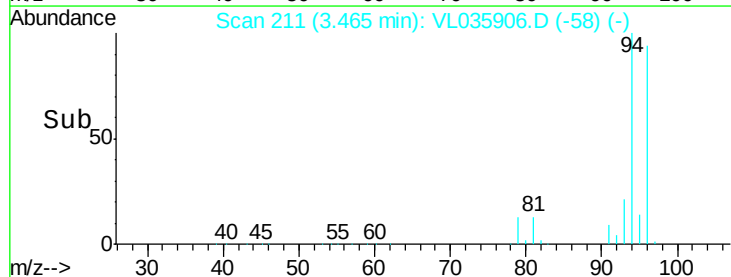
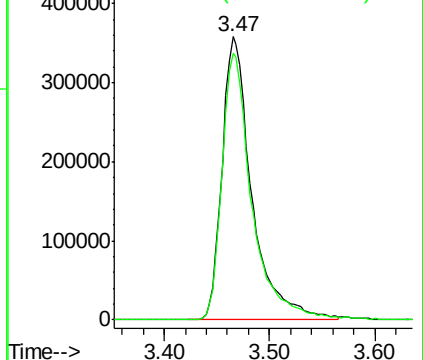
94 100

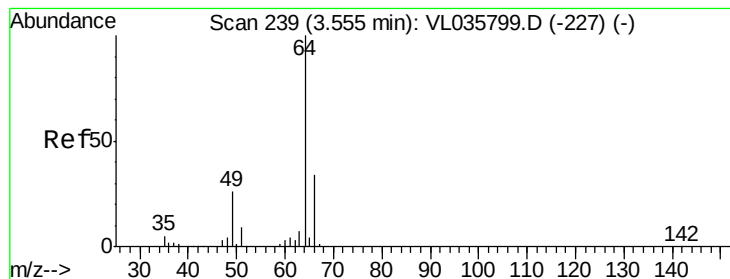
96 94.4 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.457 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 328207

Ion Ratio Lower Upper

64 100

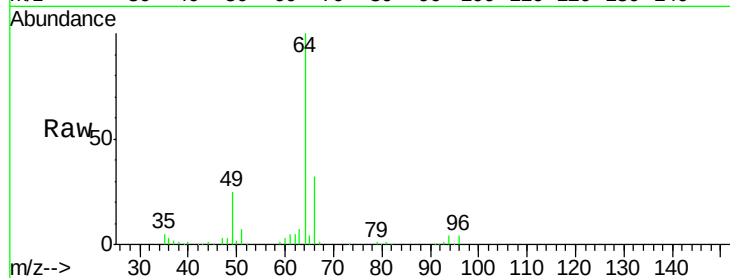
66 32.0 27.0 40.6

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

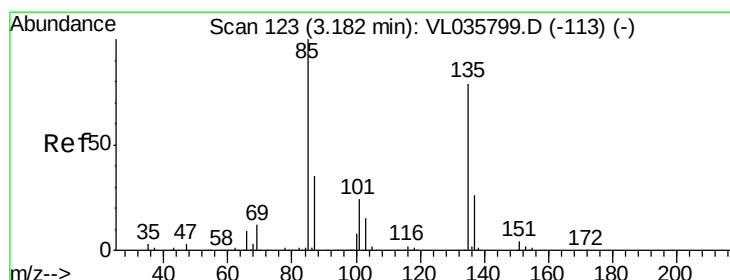
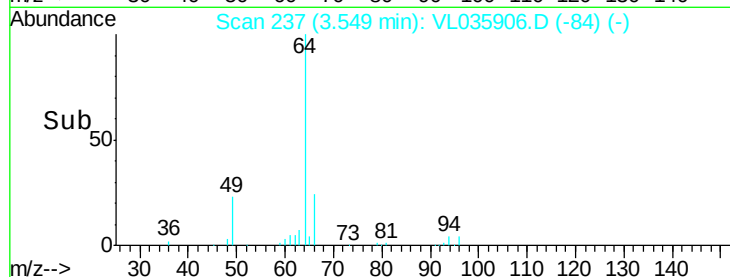
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.245 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.00 min

Lab File: VL035906.D

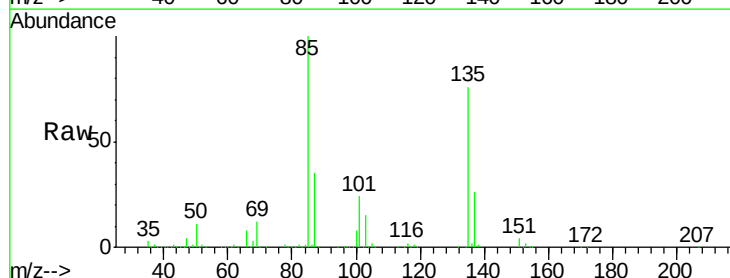
Acq: 11 Nov 2020 10:08

Tgt Ion: 85 Resp: 2395313

Ion Ratio Lower Upper

85 100

135 78.6 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

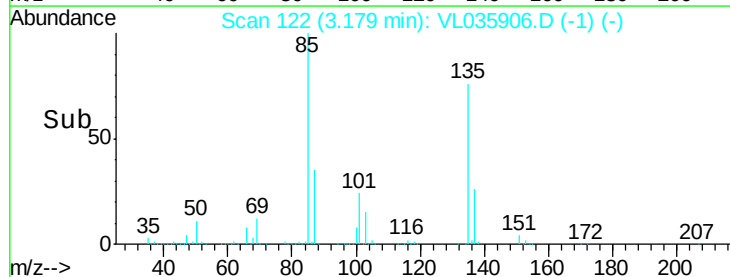
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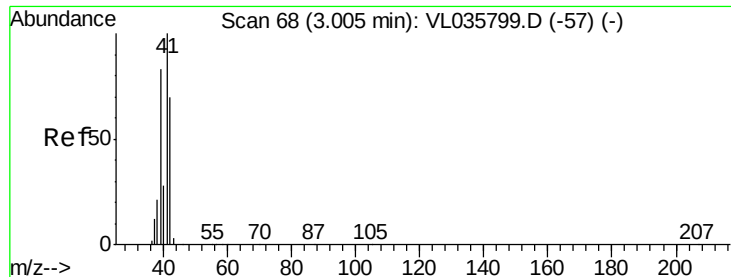
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500000

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Time-->





#9

Propene

Concen: 9.878 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 520645

Ion Ratio Lower Upper

41 100

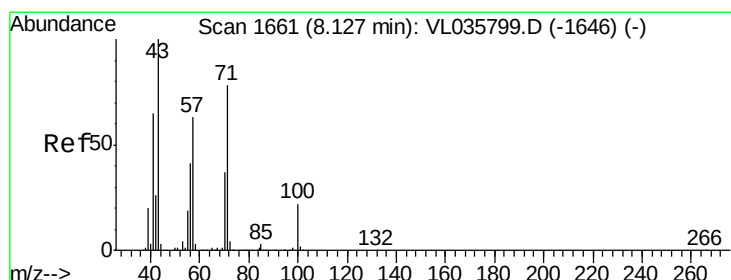
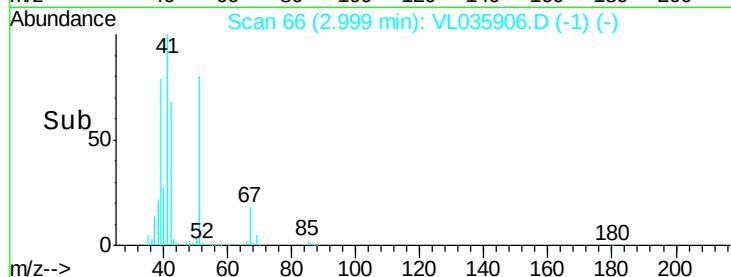
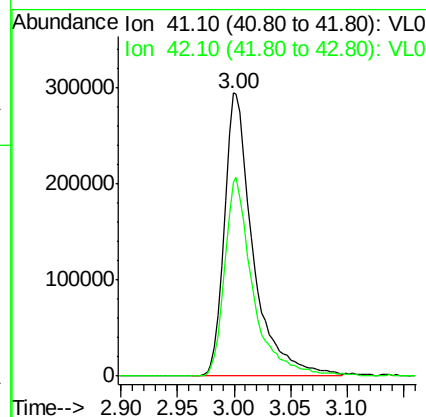
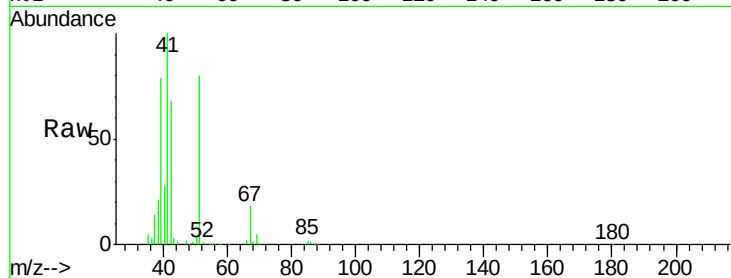
42 69.7 56.2 84.4

Manual Integrations

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#10

Heptane

Concen: 9.940 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VL035906.D

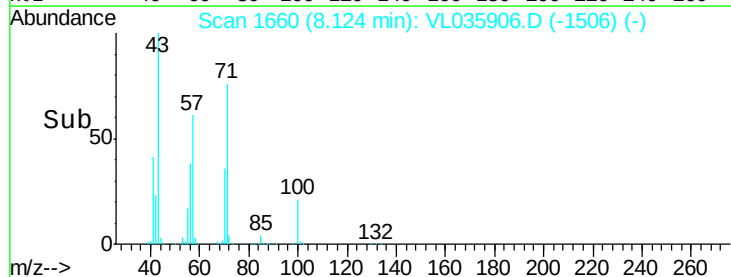
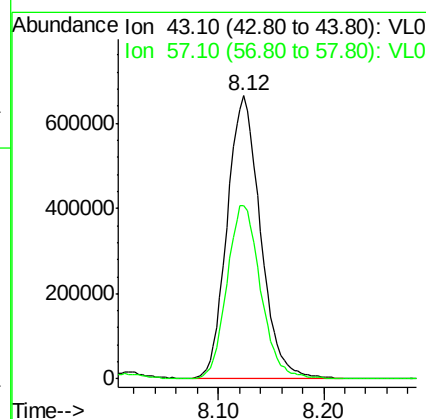
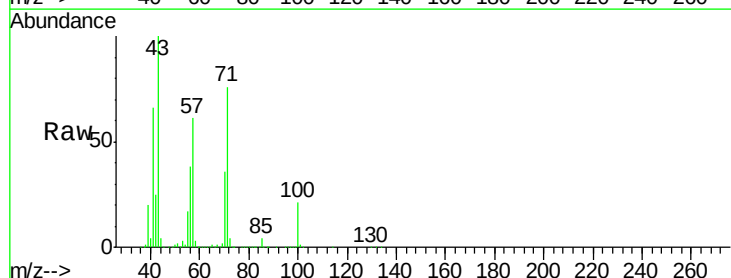
Acq: 11 Nov 2020 10:08

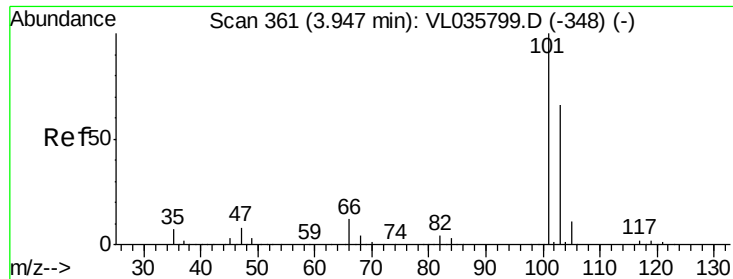
Tgt Ion: 43 Resp: 1447040

Ion Ratio Lower Upper

43 100

57 62.7 50.0 75.0





#11

Trichlorofluoromethane

Concen: 9.588 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:101 Resp: 2725648

Ion Ratio Lower Upper

101 100

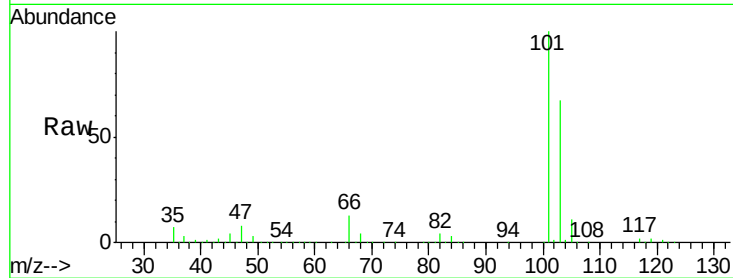
103 66.6 53.0 79.4

Manual Integrations

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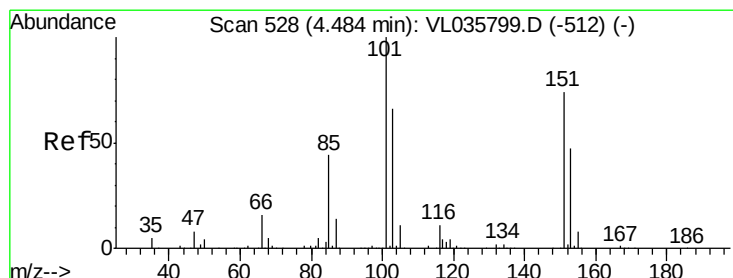
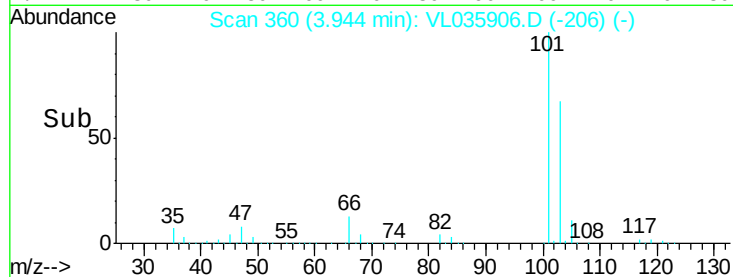
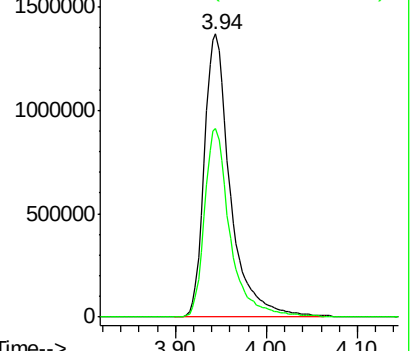
MMDadoda

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.593 ppbv

RT: 4.48 min Scan# 526

Delta R.T. -0.01 min

Lab File: VL035906.D

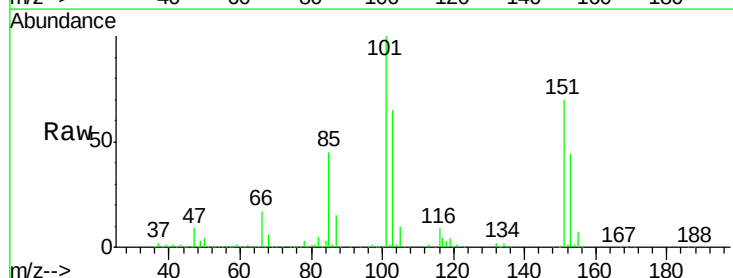
Acq: 11 Nov 2020 10:08

Tgt Ion:101 Resp: 2030473

Ion Ratio Lower Upper

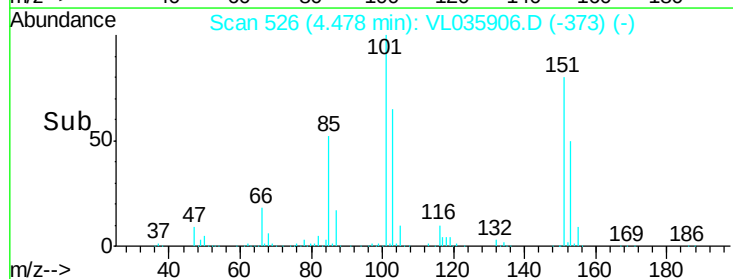
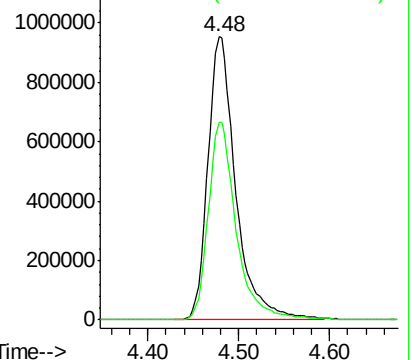
101 100

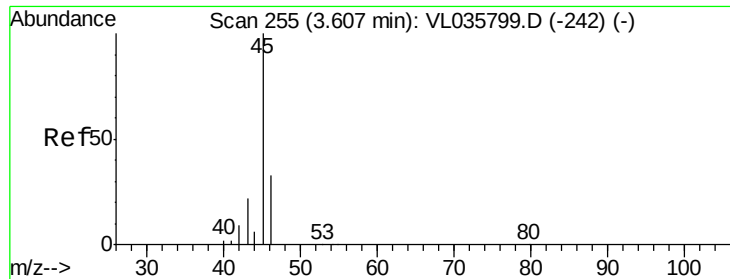
151 70.5 58.9 88.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





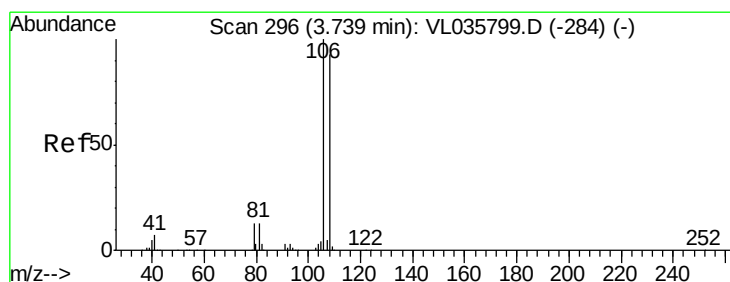
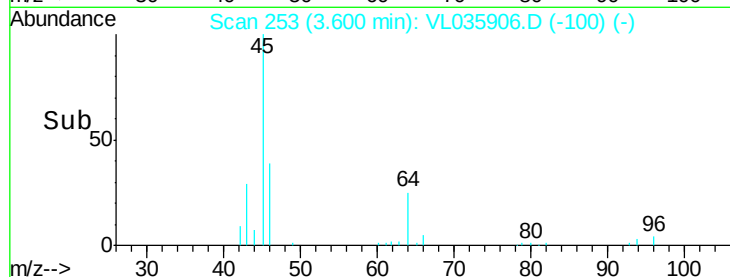
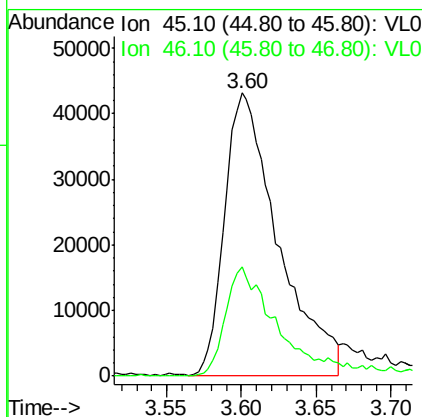
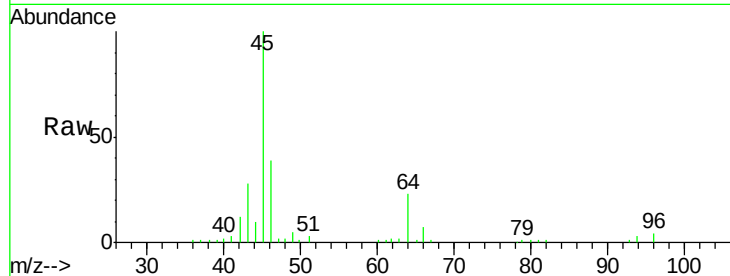
#13
Ethanol
Concen: 9.433 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.01 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	45	46	Ratio	Lower	Upper
45.10 (44.80 to 45.80): VL0	107860		100		
46.10 (45.80 to 46.80): VL0		16.1	40.9	16.1	64.5

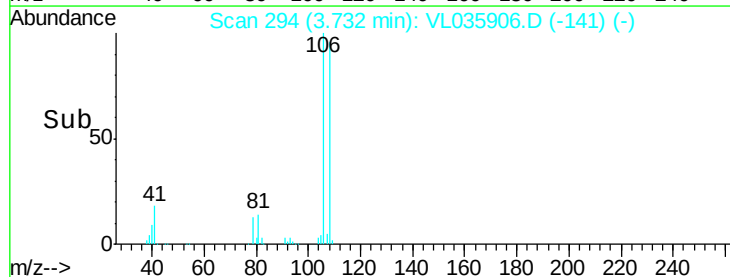
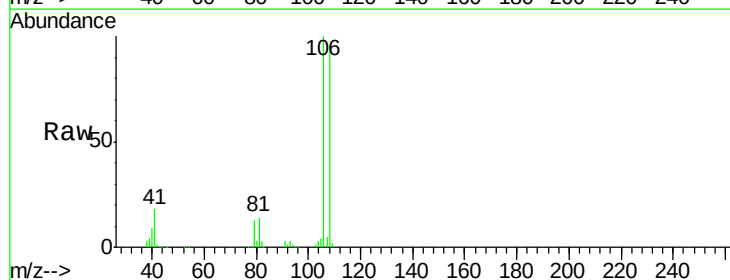
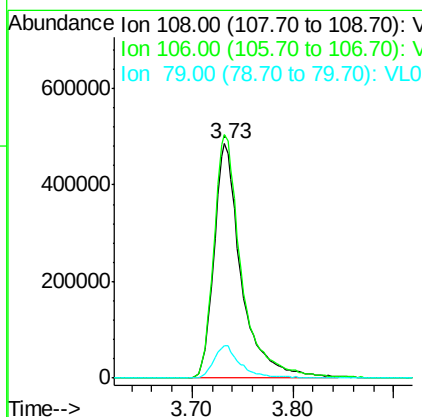
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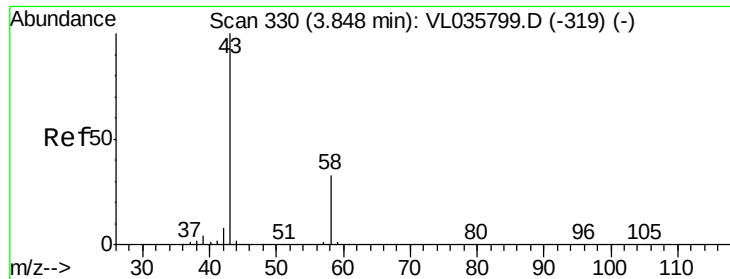
MMDadoda
11/12/2020 1:43:59 PM



#14
Bromoethene
Concen: 9.389 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.01 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

Tgt Ion	108	106	79	Ratio	Lower	Upper
108.00 (107.70 to 108.70): V	914526			100		
106.00 (105.70 to 106.70): V		127.9		106.2	85.3	127.9
79.00 (78.70 to 79.70): VL0		17.4		14.1	11.6	17.4





#15

Acetone

Concen: 9.392 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1207420

Ion Ratio Lower Upper

43 100

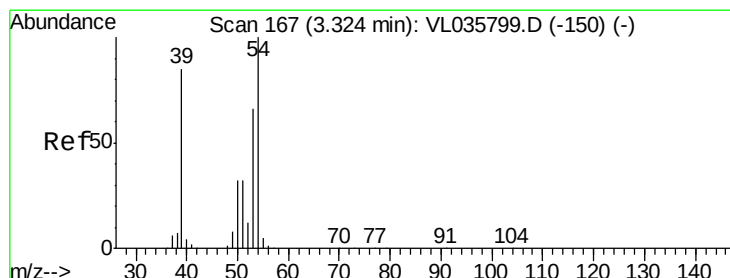
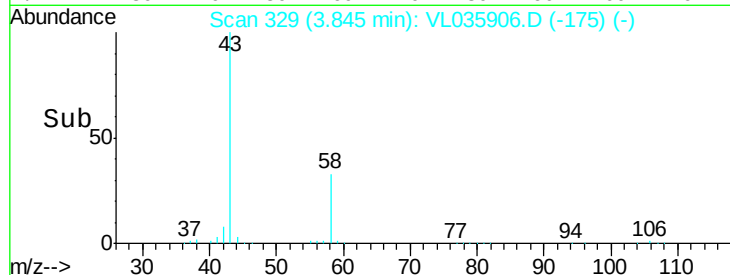
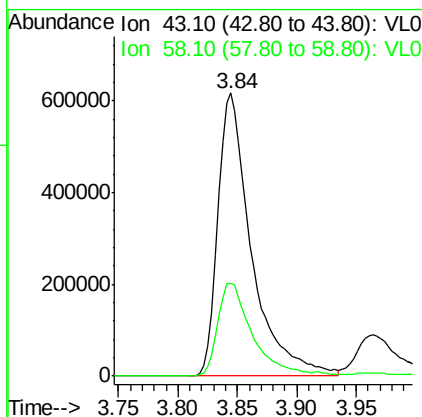
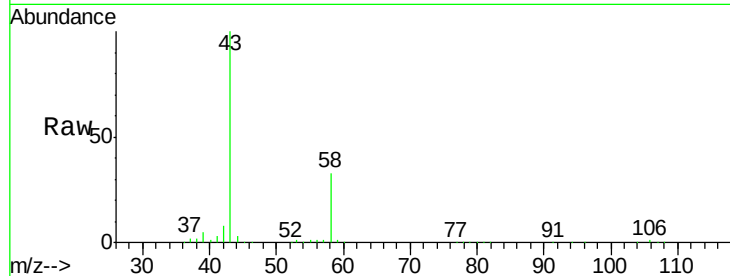
58 34.5 27.5 41.3

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#16

1,3-Butadiene

Concen: 9.593 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL035906.D

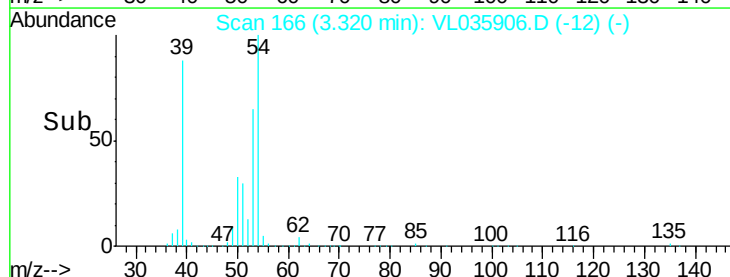
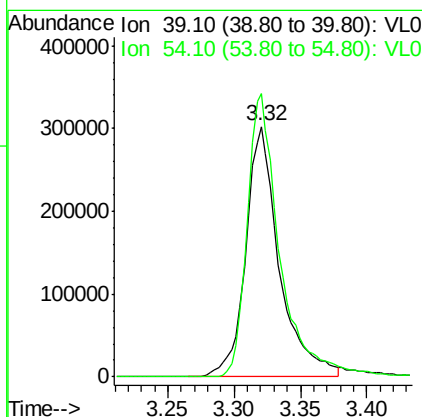
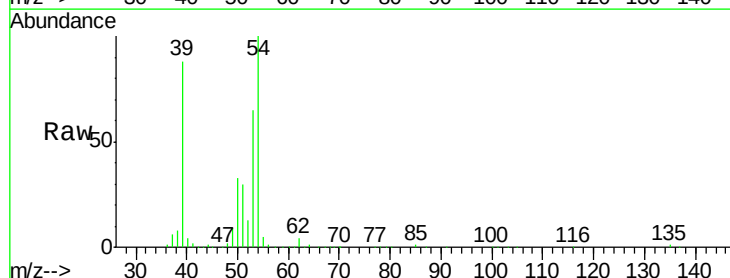
Acq: 11 Nov 2020 10:08

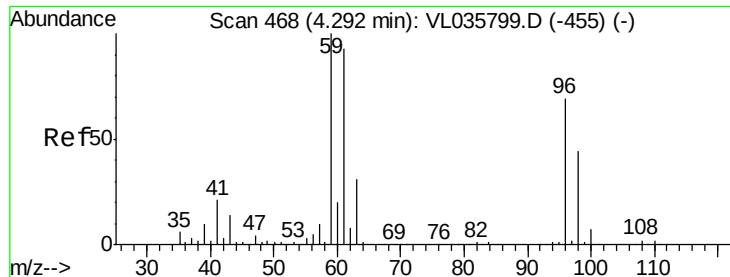
Tgt Ion: 39 Resp: 530962

Ion Ratio Lower Upper

39 100

54 112.0 87.1 130.7





#17

tert-Butyl alcohol

Concen: 10.189 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 59 Resp: 1735916

Ion Ratio Lower Upper

59 100

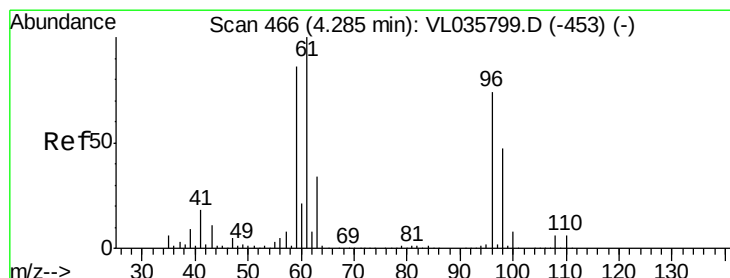
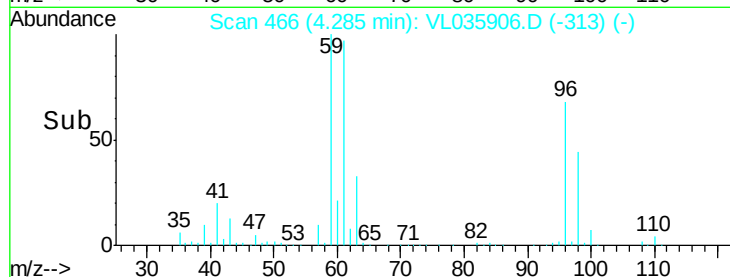
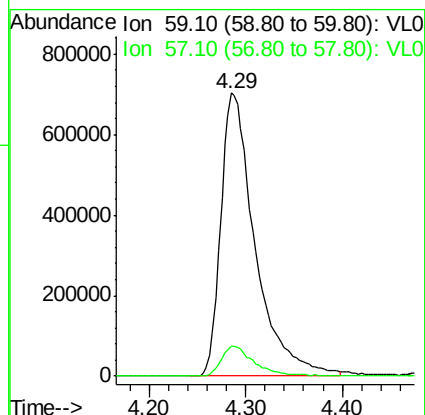
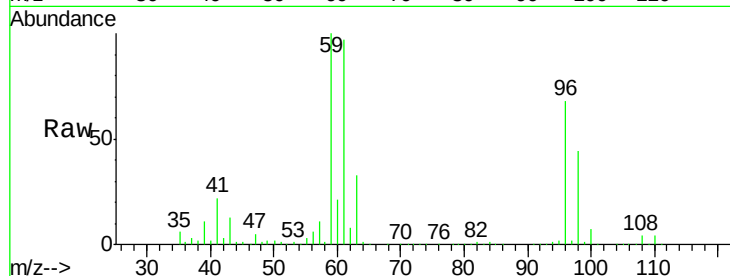
57 10.5 8.2 12.4

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#18

1,1-Dichloroethene

Concen: 9.732 ppbv

RT: 4.28 min Scan# 465

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

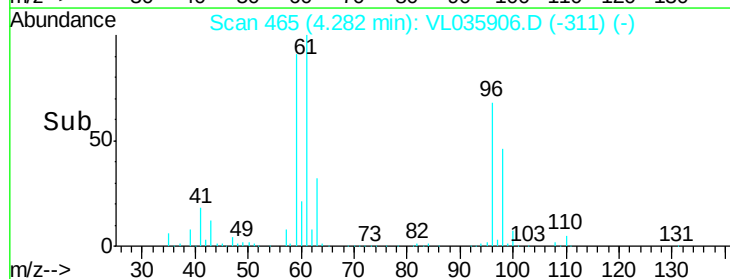
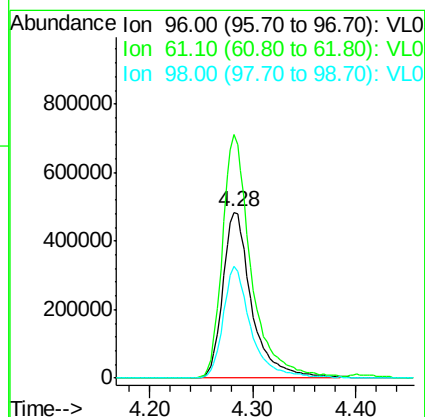
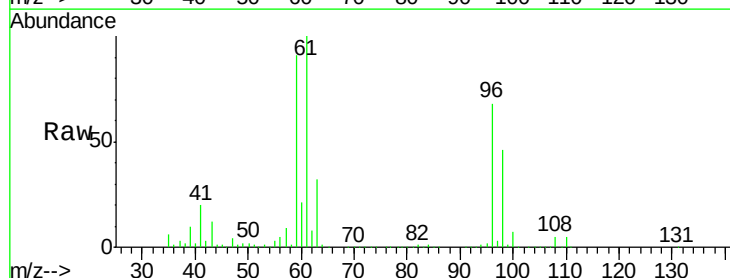
Tgt Ion: 96 Resp: 945756

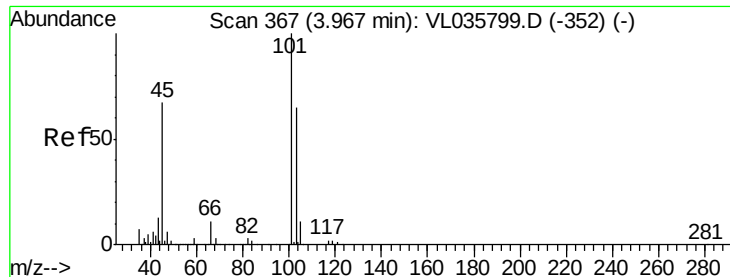
Ion Ratio Lower Upper

96 100

61 146.9 108.5 162.7

98 67.8 50.7 76.1





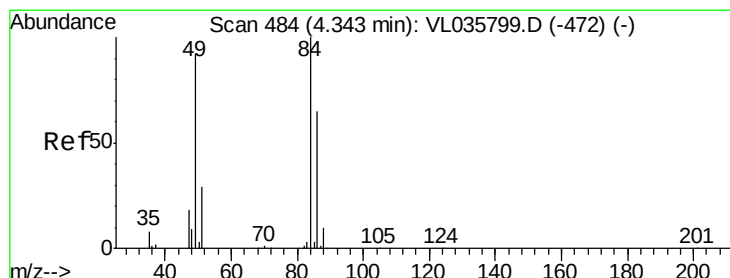
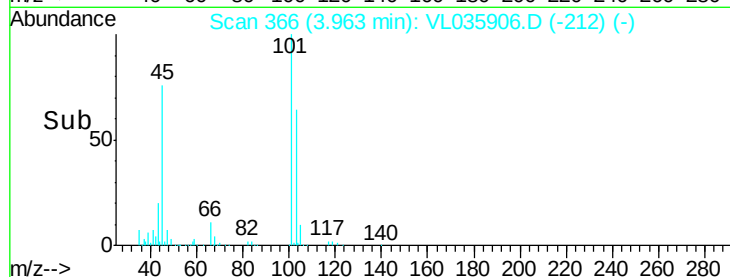
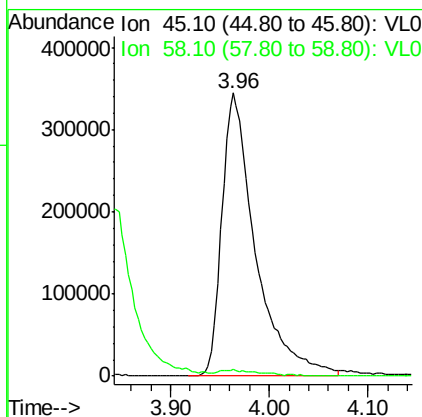
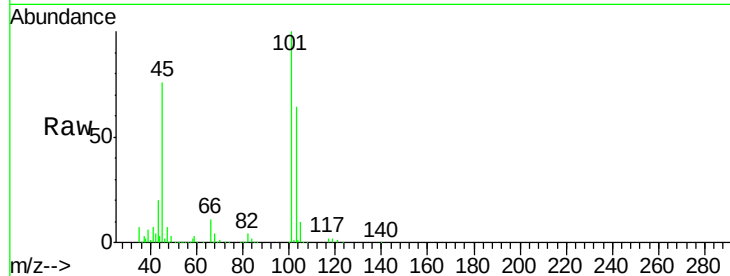
#19
Isopropyl Alcohol
Concen: 10.420 ppbv
RT: 3.96 min Scan# 366
Delta R.T. -0.00 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.6	2.6	3.8

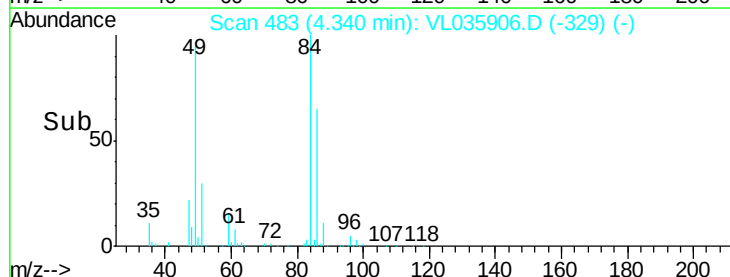
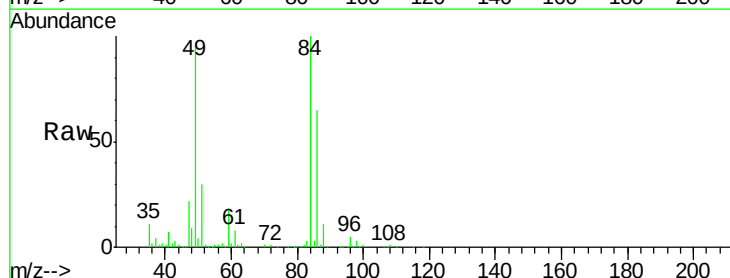
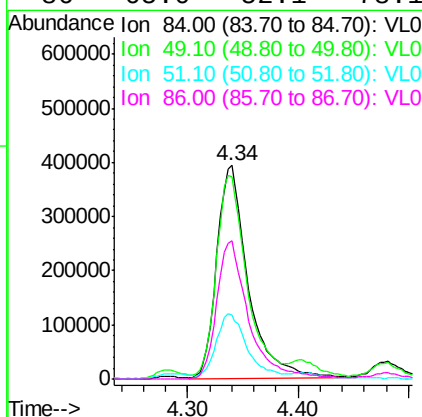
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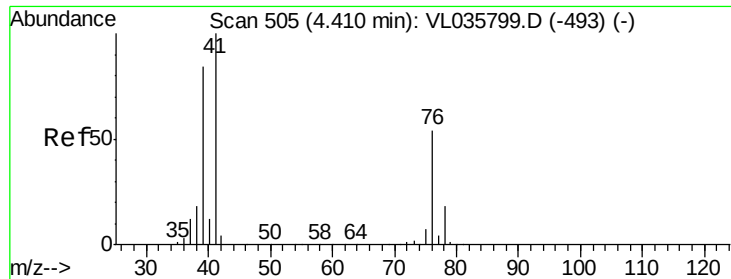
MMDadoda
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#20
Methylene Chloride
Concen: 8.609 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	93.5	73.8	110.8
51	29.5	23.0	34.4
86	65.0	52.1	78.1





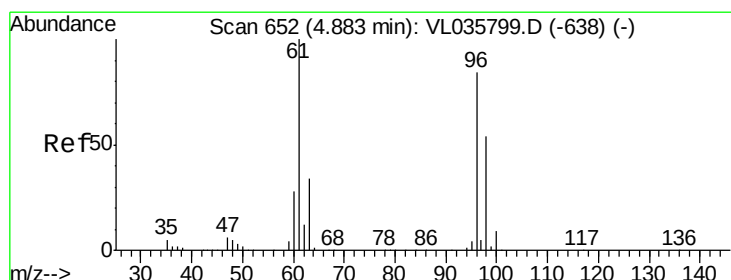
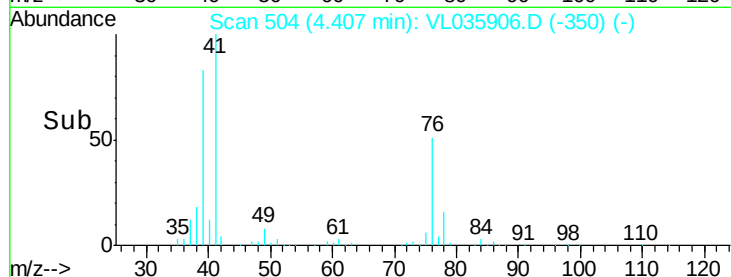
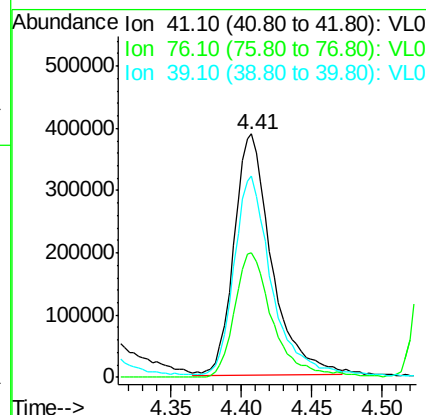
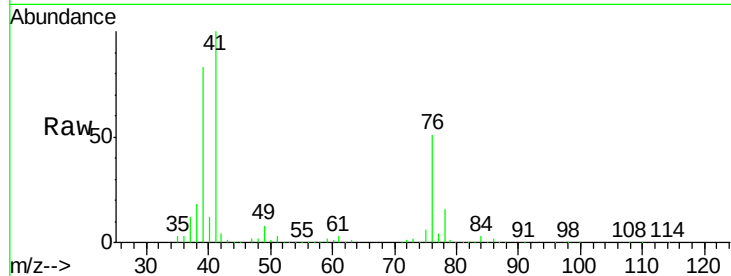
#21
Allvl Chloride
Concen: 10.444 ppbv
RT: 4.41 min Scan# 504
Delta R.T. -0.00 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	52.6	42.6	63.8
39	83.7	67.0	100.4

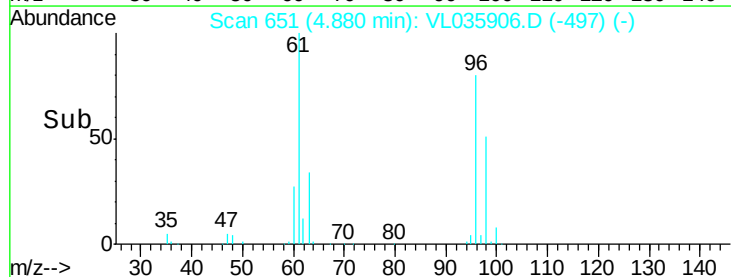
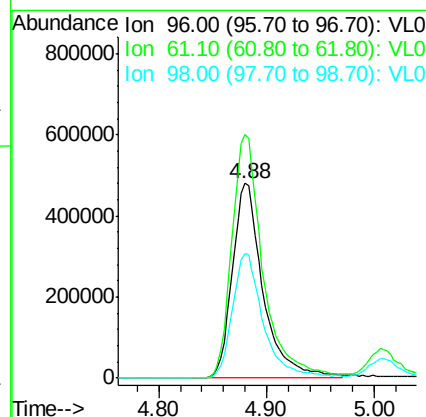
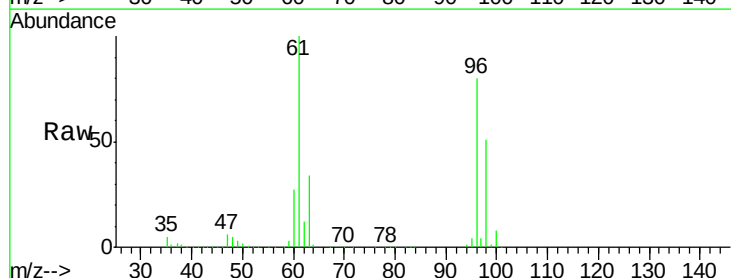
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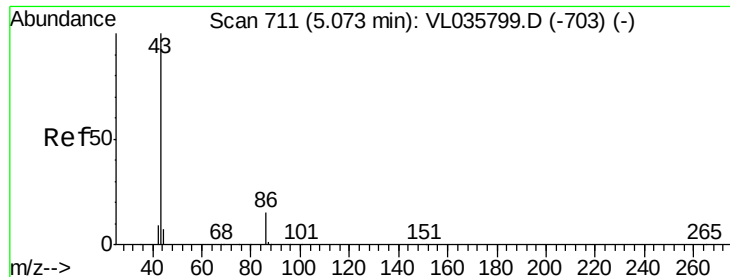
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#22
trans-1,2-Dichloroethene
Concen: 9.720 ppbv
RT: 4.88 min Scan# 651
Delta R.T. -0.00 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	125.2	95.4	143.0
98	64.2	51.8	77.6





#23

Vinyl Acetate

Concen: 9.420 ppbv

RT: 5.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1697562

Ion Ratio Lower Upper

43 100

86 11.6 9.8 14.6

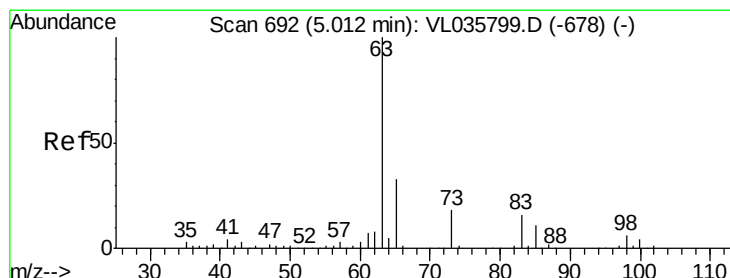
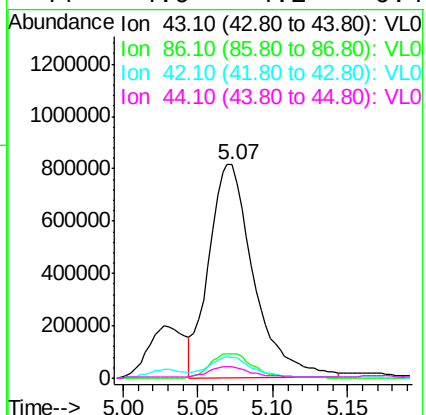
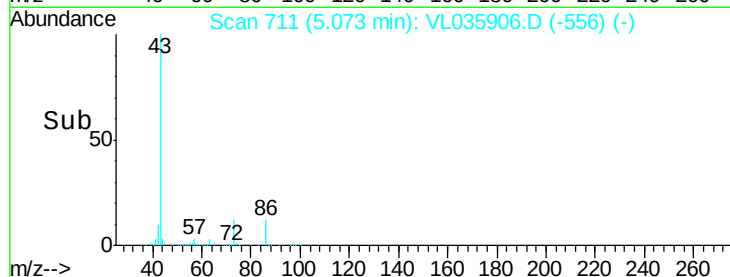
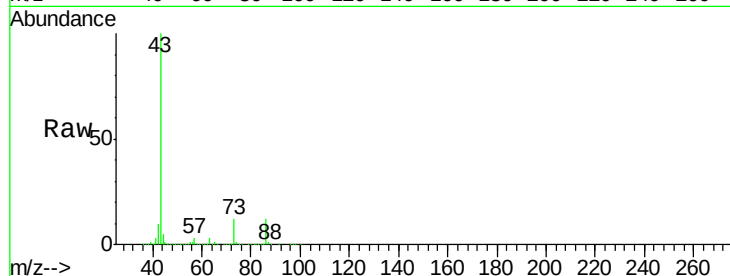
42 9.4 8.1 12.1

44 4.9 4.2 6.4

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#24

1,1-Dichloroethane

Concen: 9.650 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

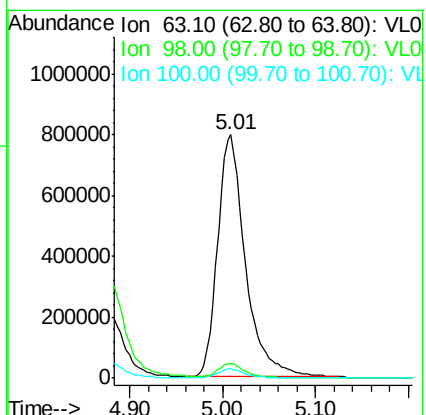
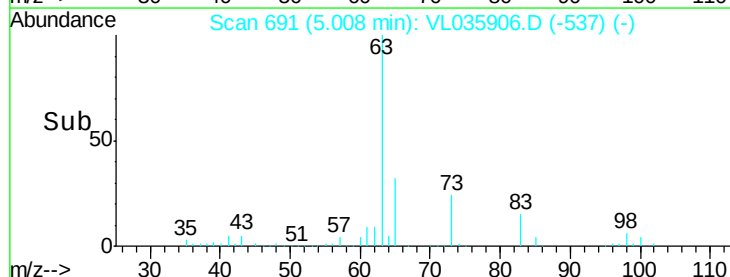
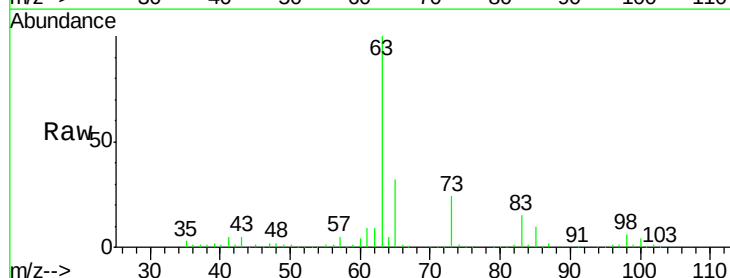
Tgt Ion: 63 Resp: 1656632

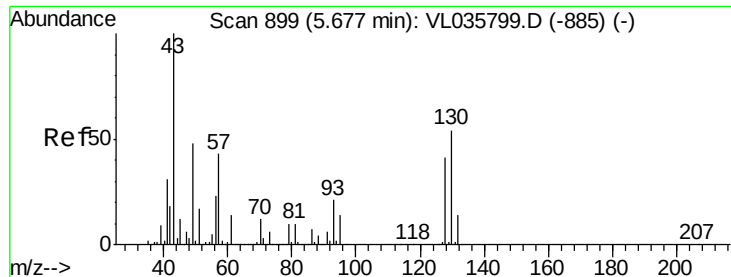
Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 3.8 1.8 5.4





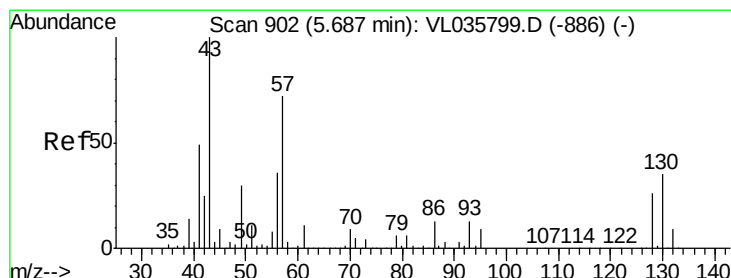
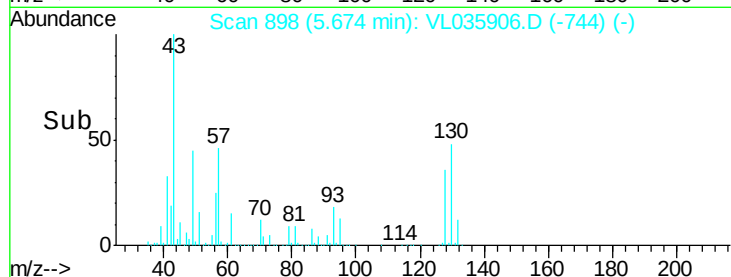
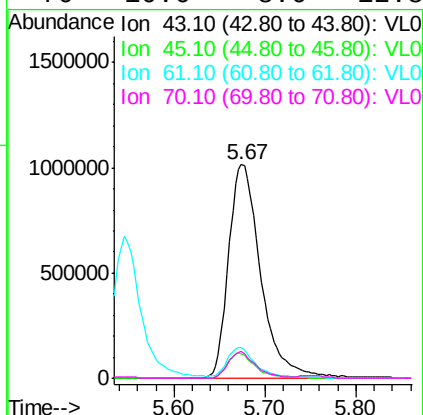
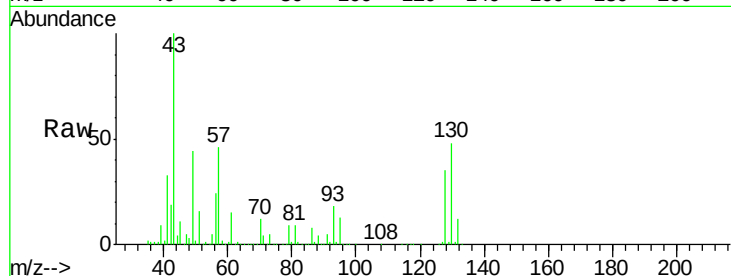
#25
Ethyl Acetate
Concen: 9.811 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.00 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.7	8.5	12.7	
61	13.2	10.7	16.1	
70	10.6	8.6	12.8	

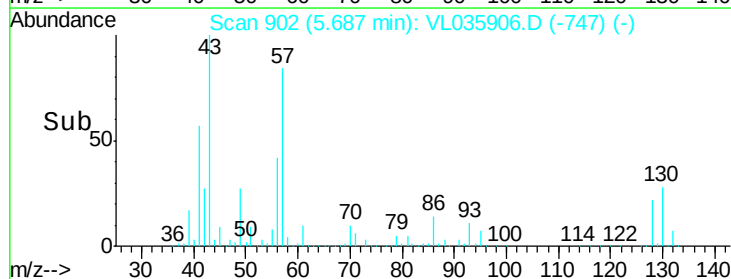
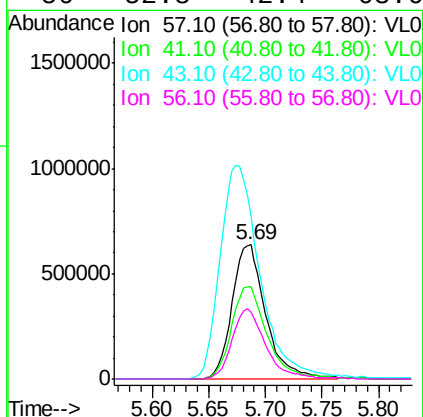
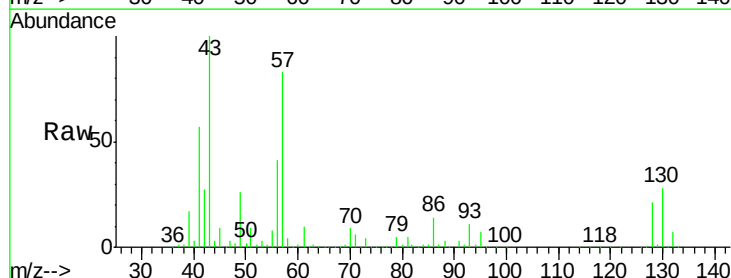
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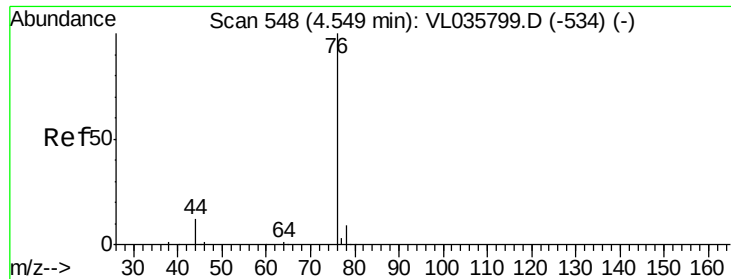
MMDadoda
11/12/2020 1:43:59 PM



#26
Hexane
Concen: 9.489 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	73.6	58.9	88.3	
43	189.0	150.2	225.2	
56	52.8	42.4	63.6	





#27

Carbon Disulfide

Concen: 9.837 ppbv

RT: 4.54 min Scan# 546

Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 2058678

Ion Ratio Lower Upper

76 100

44 11.9 9.9 14.9

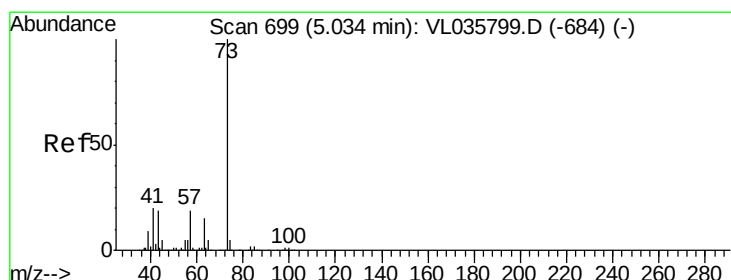
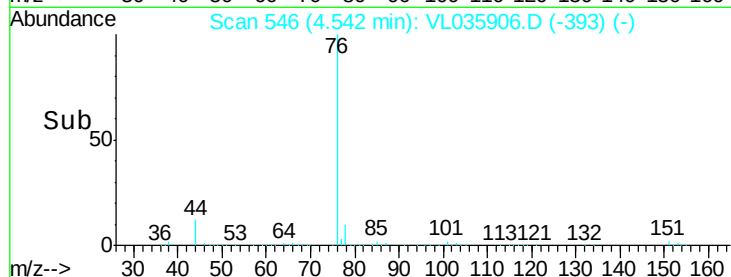
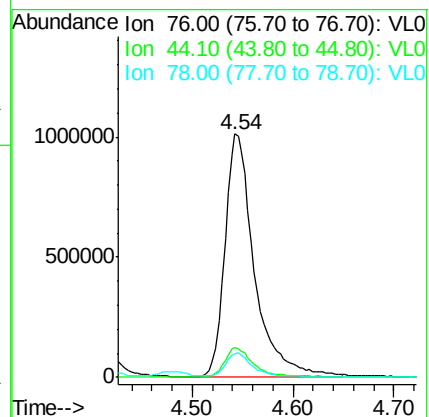
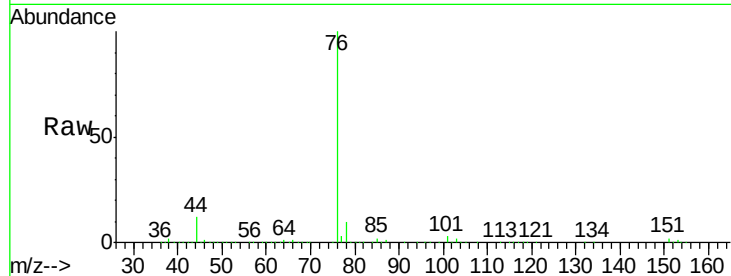
78 9.9 8.1 12.1

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 9.342 ppbv

RT: 5.03 min Scan# 698

Delta R.T. -0.00 min

Lab File: VL035906.D

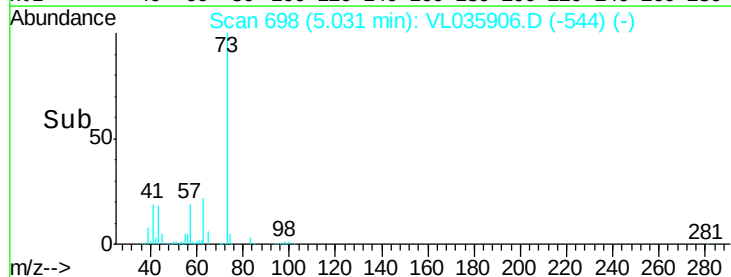
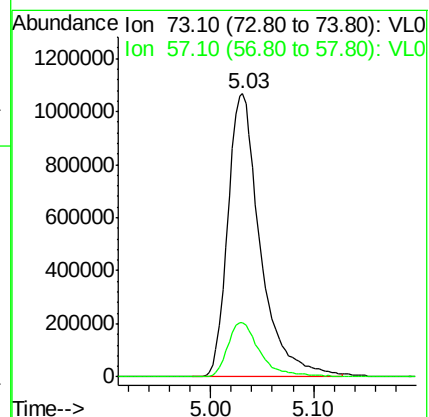
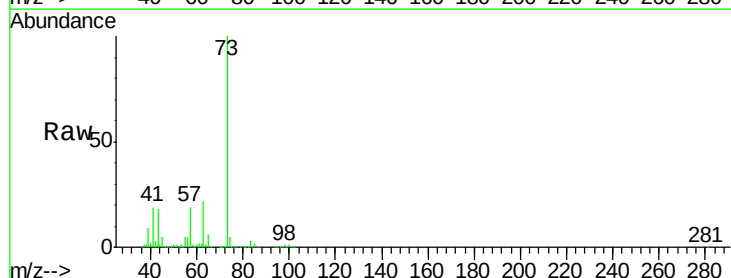
Acq: 11 Nov 2020 10:08

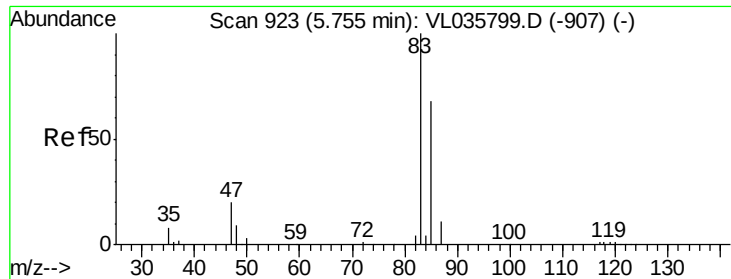
Tgt Ion: 73 Resp: 2343029

Ion Ratio Lower Upper

73 100

57 19.3 15.4 23.2





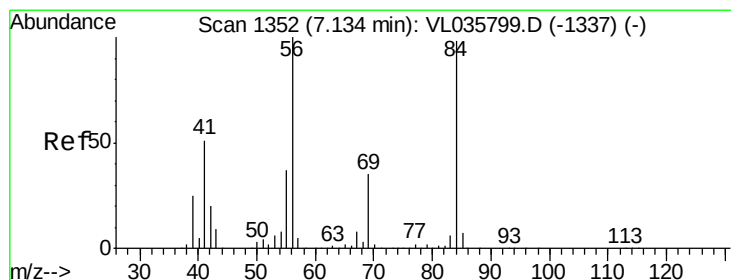
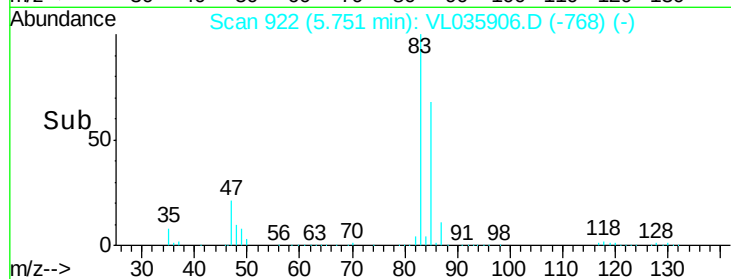
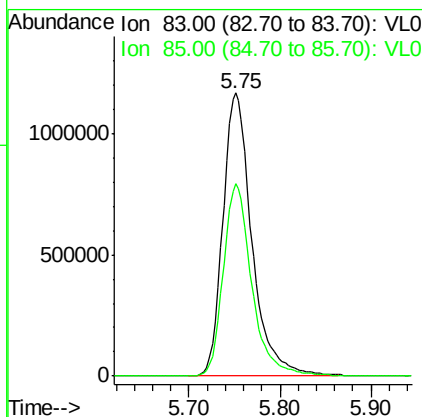
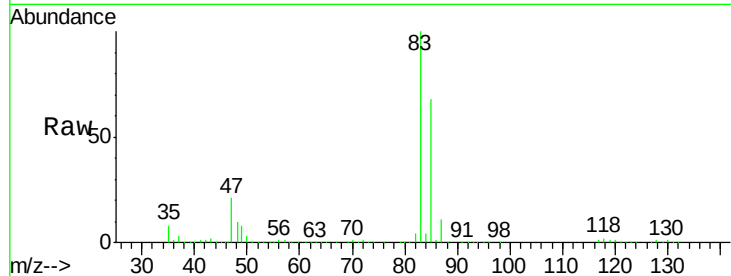
#29
Chloroform
Concen: 9.395 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.00 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2579092
Ion Ratio Lower Upper
83 100
85 67.9 54.6 81.8

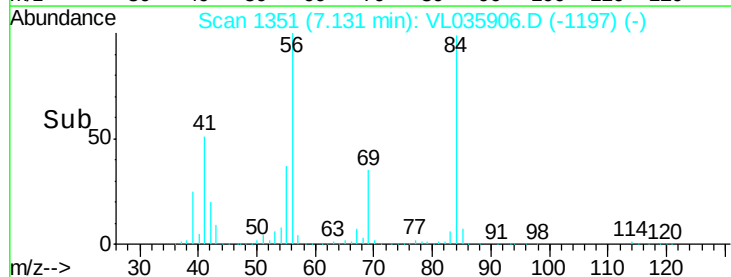
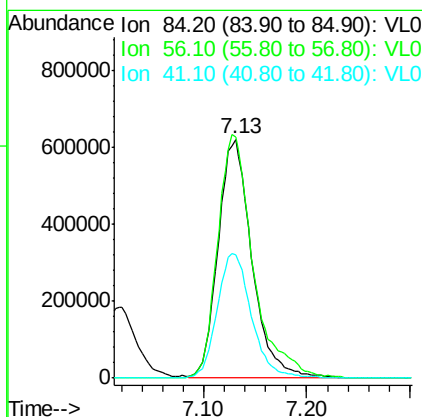
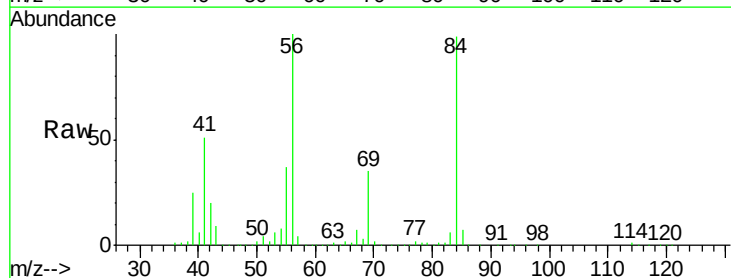
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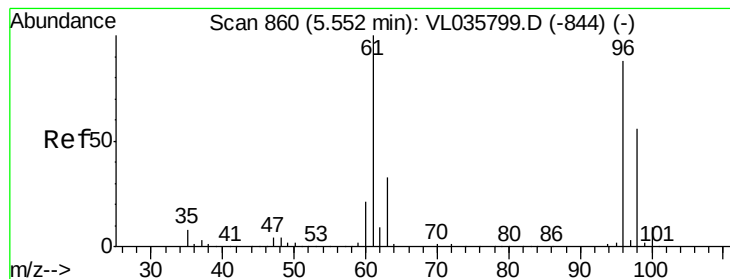
MMDadoda
11/12/2020 1:43:59 PM



#30
Cyclohexane
Concen: 9.260 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

Tgt Ion: 84 Resp: 1408710
Ion Ratio Lower Upper
84 100
56 108.3 86.4 129.6
41 53.4 42.1 63.1





#31

cis-1,2-Dichloroethene

Concen: 9.797 ppbv

RT: 5.55 min Scan# 858

Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 61 Resp: 1407739

Ion Ratio Lower Upper

61 100

96 84.0 70.3 105.5

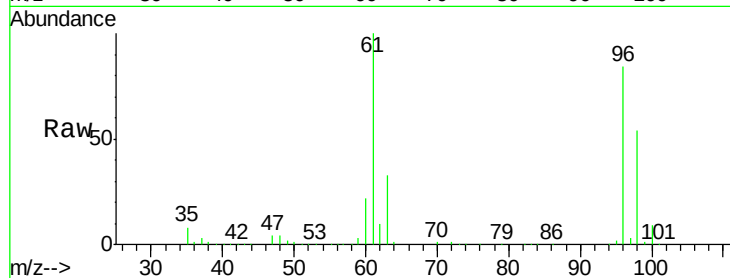
98 54.1 45.0 67.6

Manual Integrations

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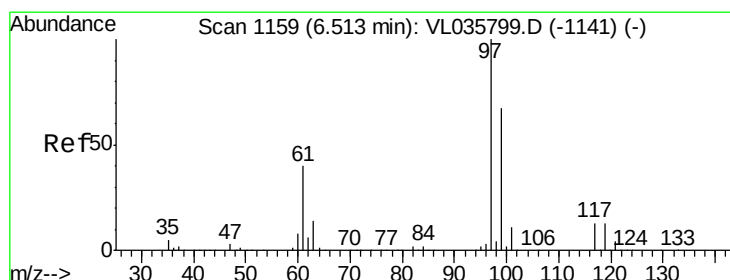
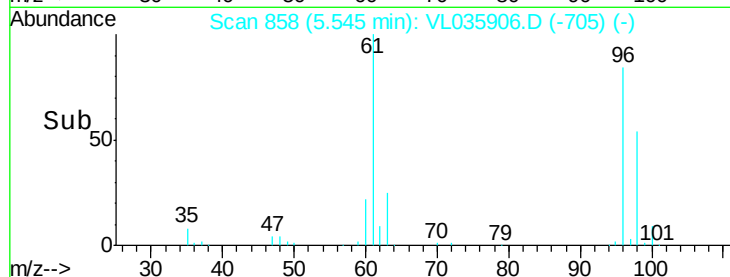
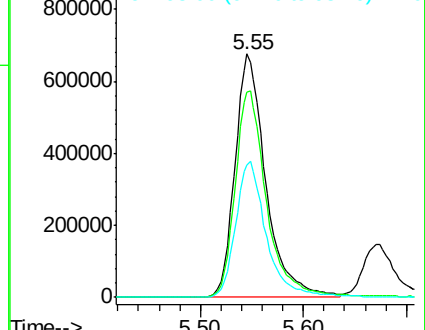
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Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 8.830 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

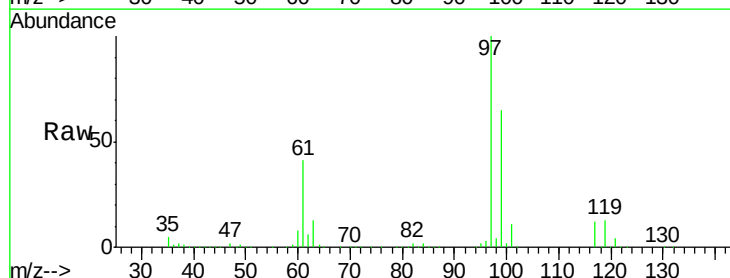
Tgt Ion: 97 Resp: 2529551

Ion Ratio Lower Upper

97 100

99 65.9 52.3 78.5

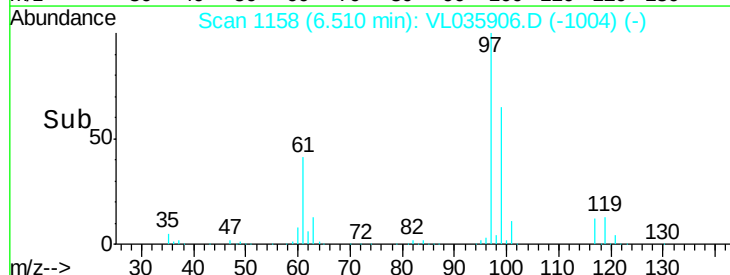
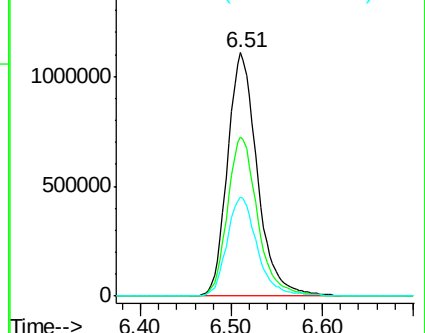
61 41.0 32.0 48.0

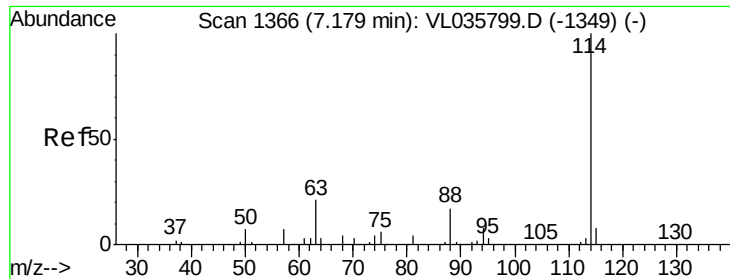


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0





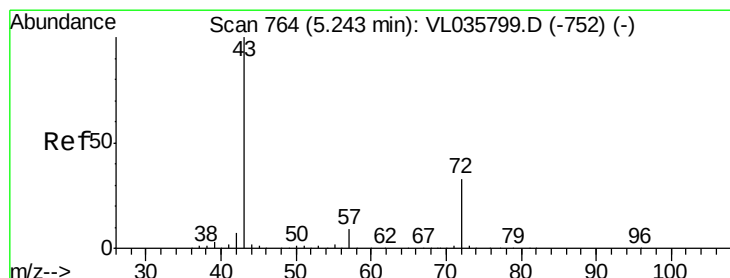
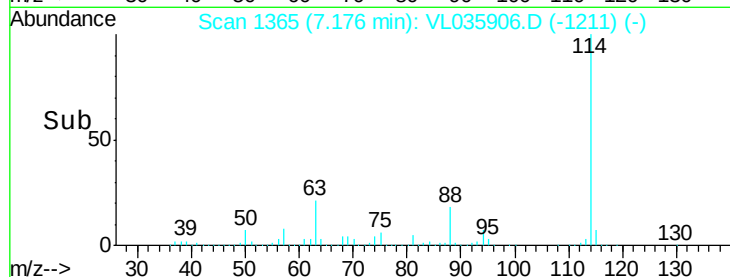
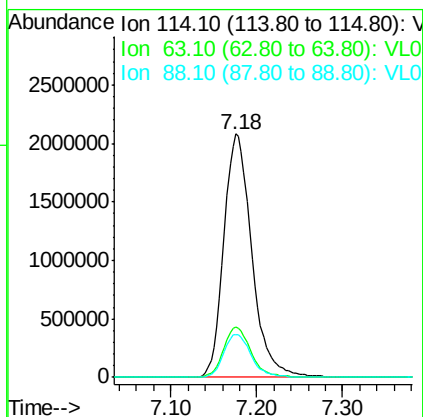
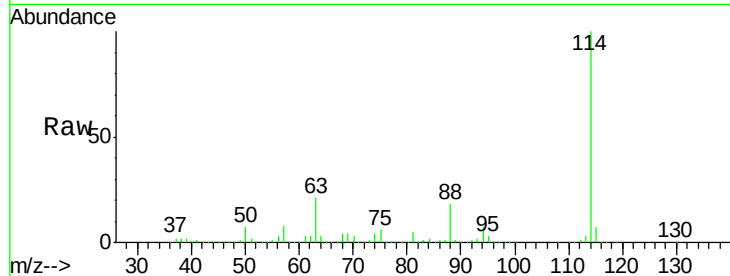
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 4723130
 Ion Ratio Lower Upper
 114 100
 63 20.4 16.1 24.1
 88 17.3 13.7 20.5

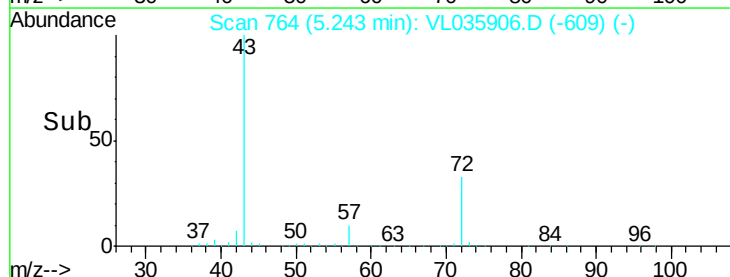
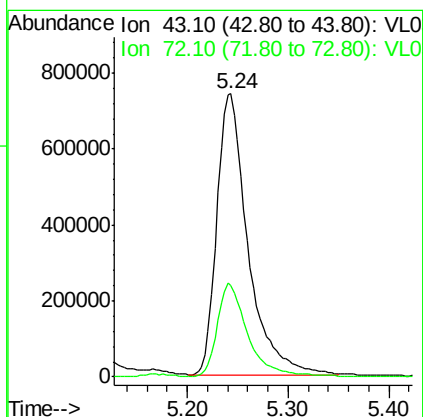
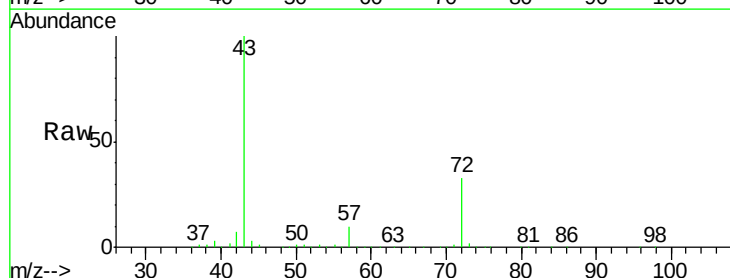
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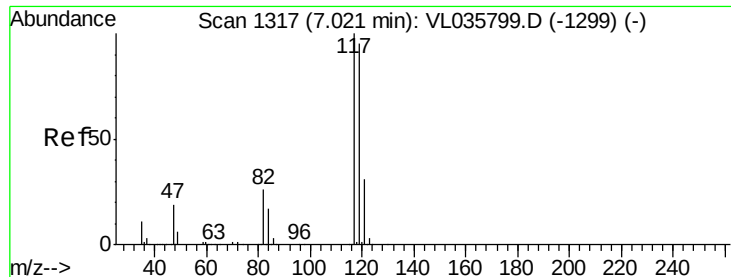
MMDadoda
 11/12/2020 1:43:59 PM



#34
 2-Butanone
 Concen: 10.396 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Tgt Ion: 43 Resp: 1593510
 Ion Ratio Lower Upper
 43 100
 72 32.9 26.5 39.7





#35

Carbon Tetrachloride

Concen: 9.930 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2505889

Ion Ratio Lower Upper

117 100

119 94.9 75.6 113.4

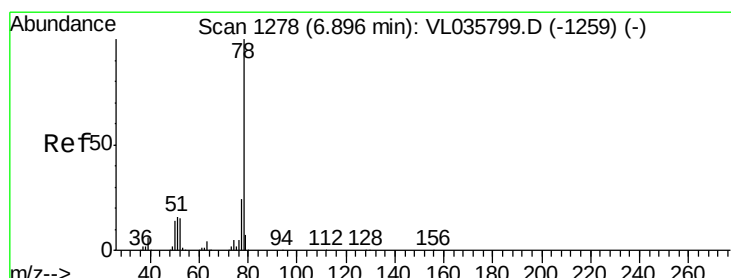
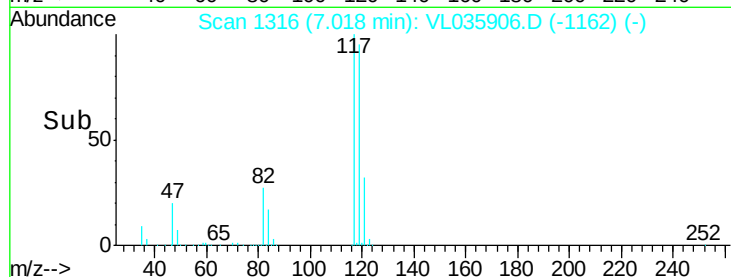
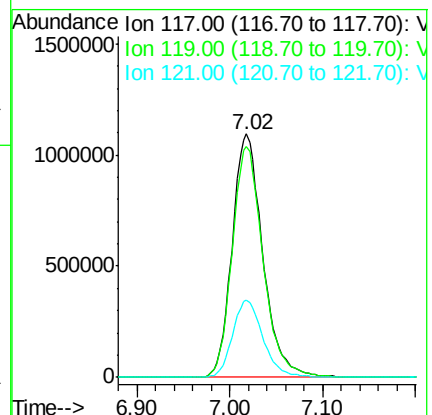
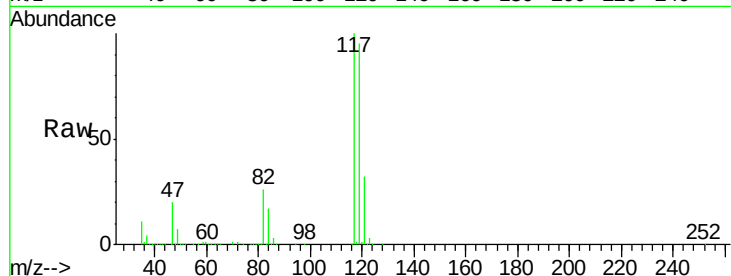
121 31.7 25.1 37.7

Manual Integrations

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#36

Benzene

Concen: 9.512 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

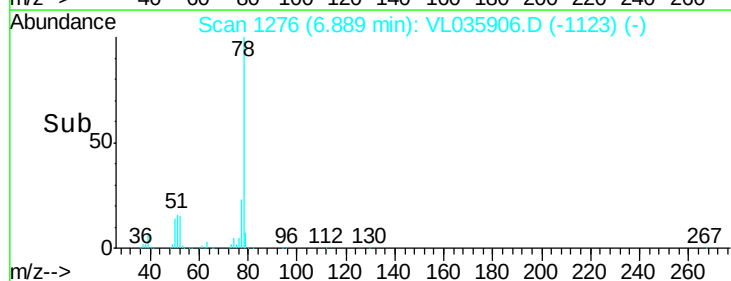
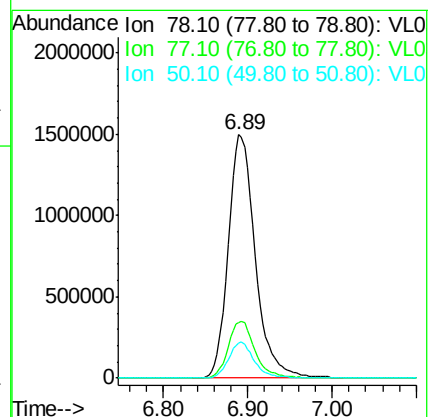
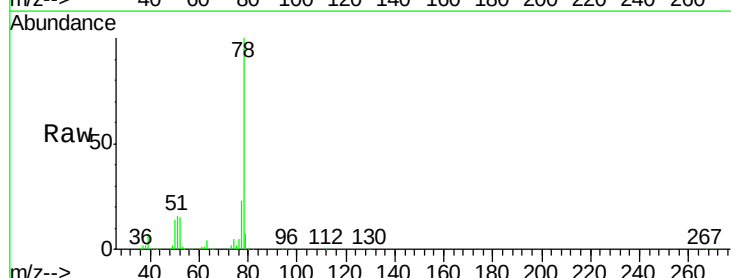
Tgt Ion: 78 Resp: 3339957

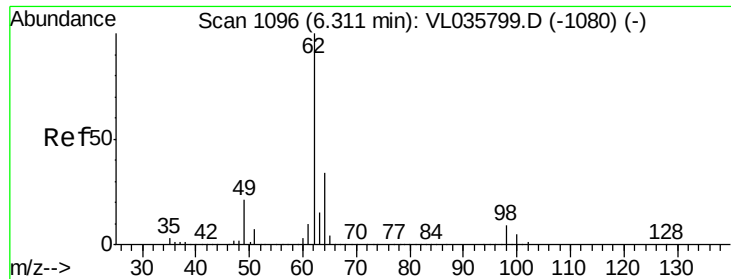
Ion Ratio Lower Upper

78 100

77 22.7 19.3 28.9

50 14.3 11.4 17.2





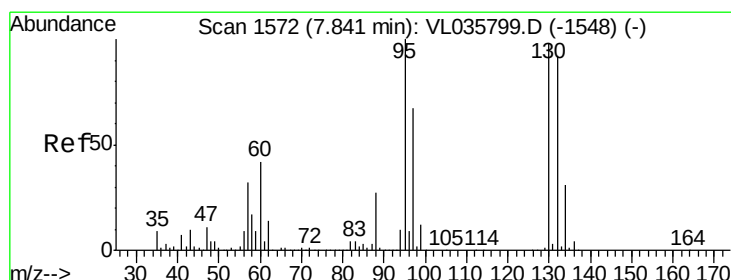
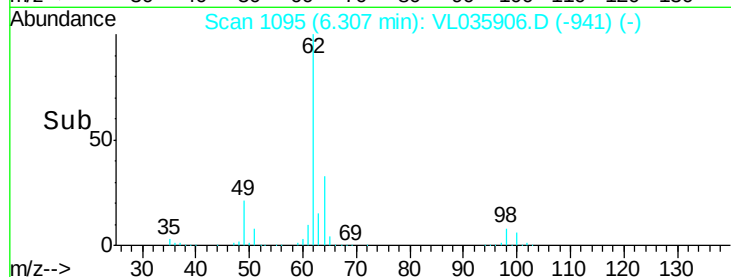
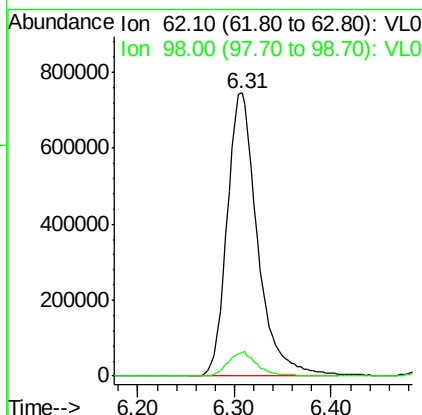
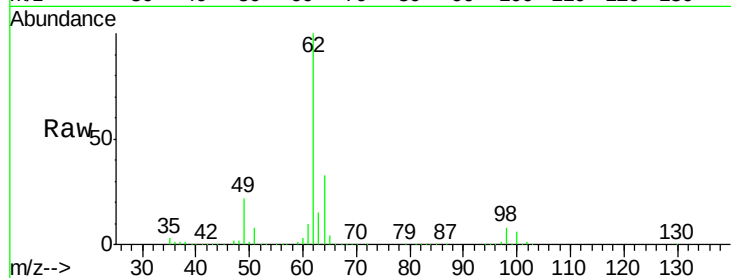
#37
 1,2-Dichloroethane
 Concen: 10.251 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. -0.00 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1630731
 Ion Ratio Lower Upper
 62 100
 98 8.5 6.9 10.3

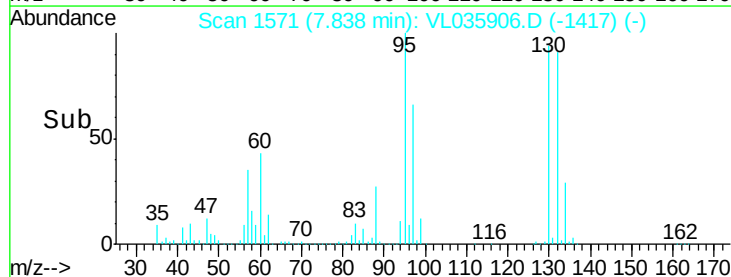
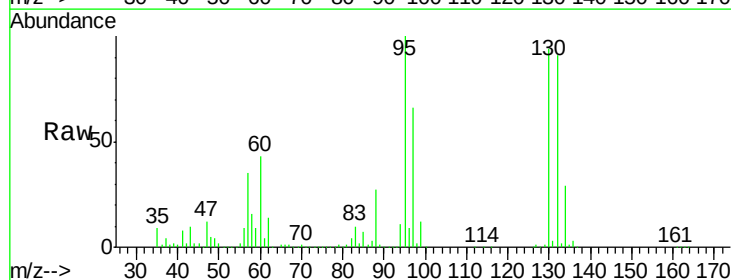
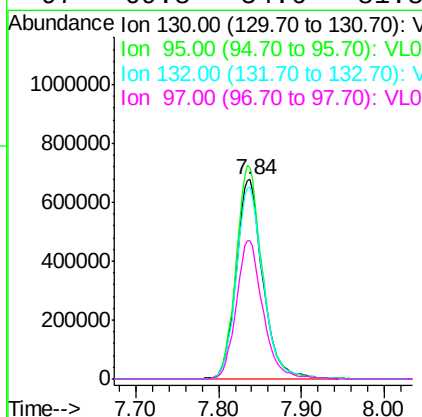
Manual Integrations
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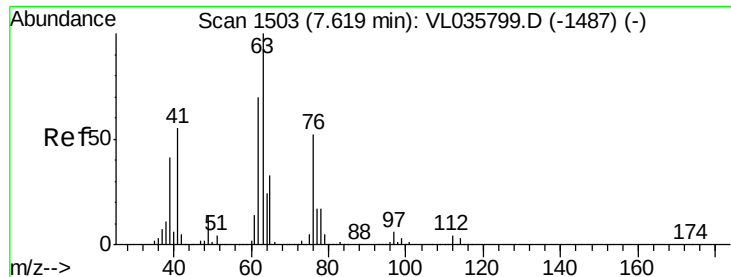
MMDadoda
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#38
 Trichloroethene
 Concen: 8.853 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Tgt Ion:130 Resp: 1518307
 Ion Ratio Lower Upper
 130 100
 95 106.1 81.6 122.4
 132 96.3 75.1 112.7
 97 69.8 54.6 81.8





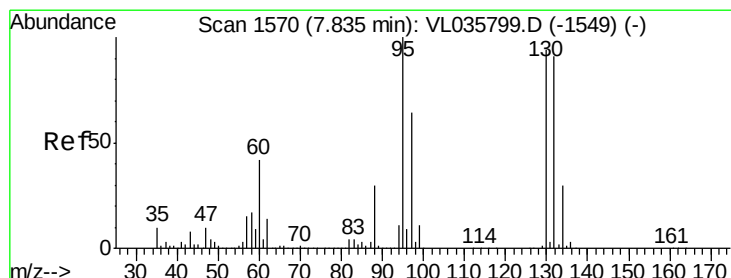
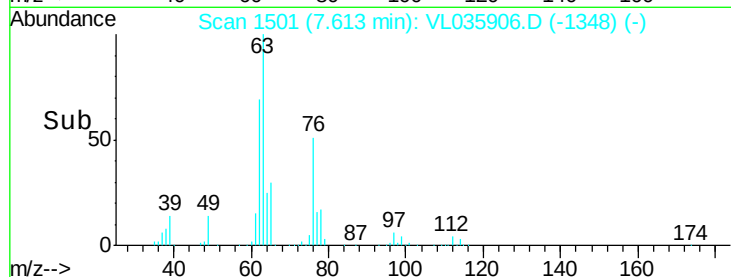
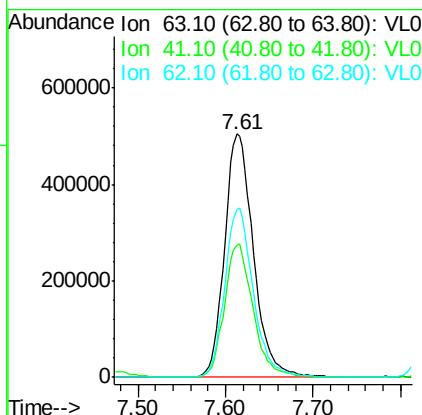
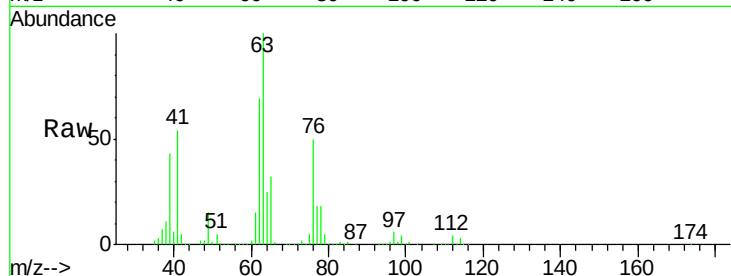
#39
 1,2-Dichloropropane
 Concen: 9.759 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. -0.01 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	54.3	43.8	65.6
62	68.8	56.2	84.2

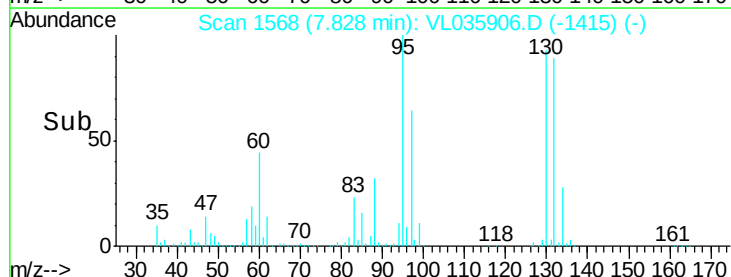
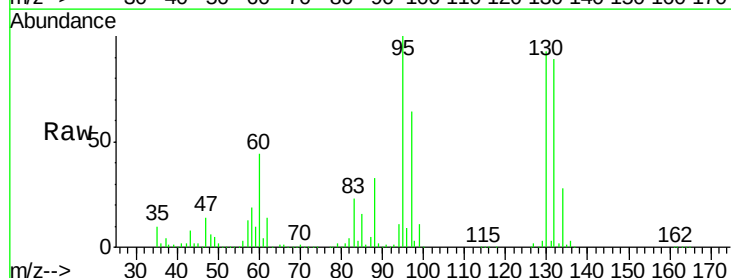
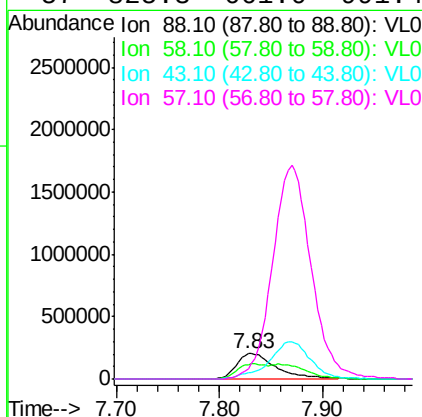
Manual Integrations
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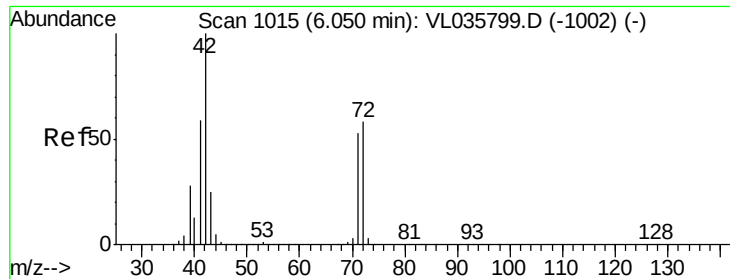
MMDadoda
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#40
 1,4-Dioxane
 Concen: 9.709 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Tgt Ion	Ratio	Lower	Upper
88	100		
58	95.8	76.2	114.2
43	154.4	123.1	184.7
57	825.3	661.0	991.4





#41

Tetrahydrofuran

Concen: 10.822 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_L

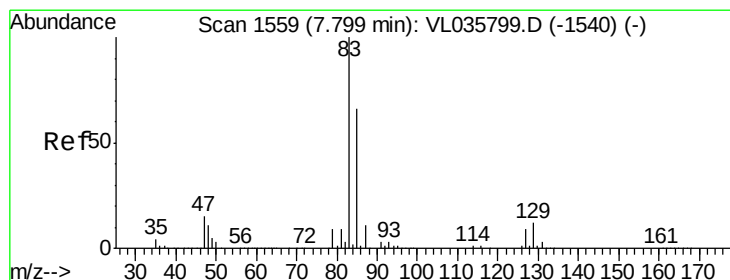
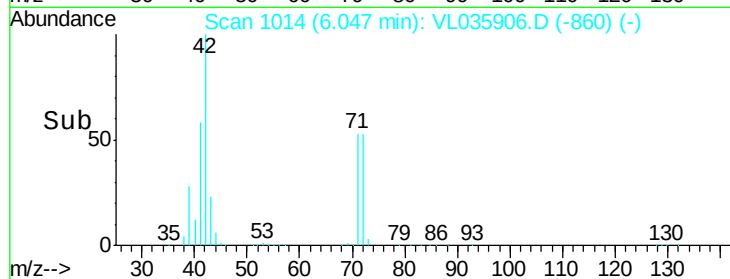
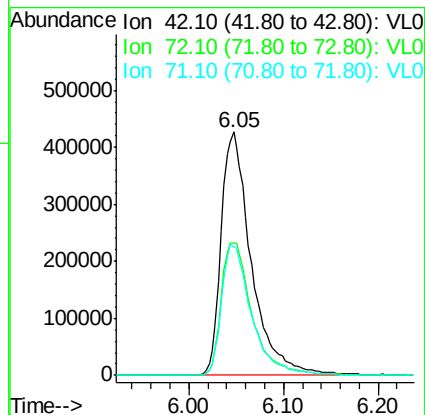
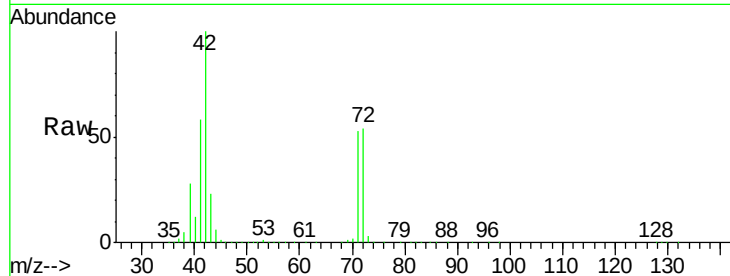
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	942453
Ion	Ratio	Lower	Upper
42	100		
72	56.6	45.4	68.0
71	54.1	43.4	65.2

Manual Integrations
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#42

Bromodichloromethane

Concen: 9.967 ppbv

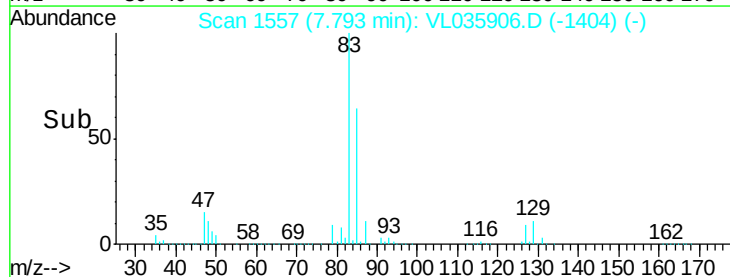
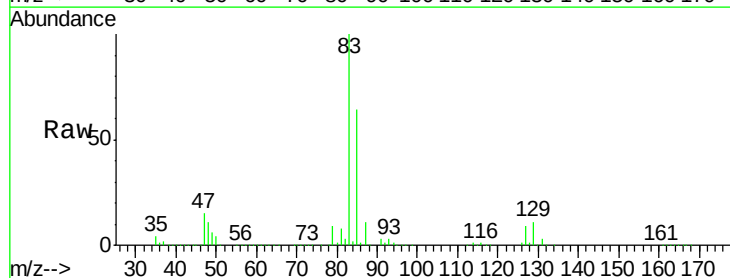
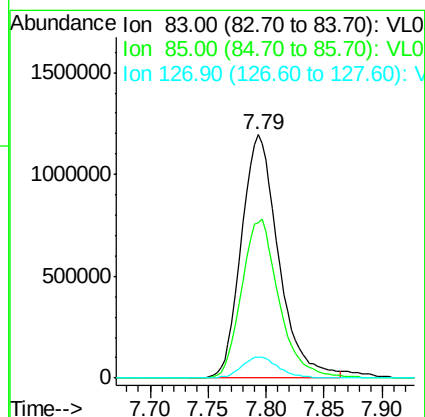
RT: 7.79 min Scan# 1557

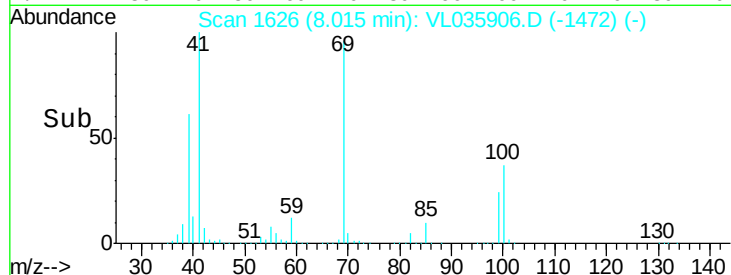
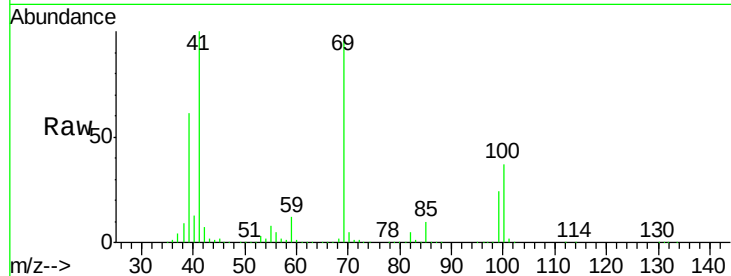
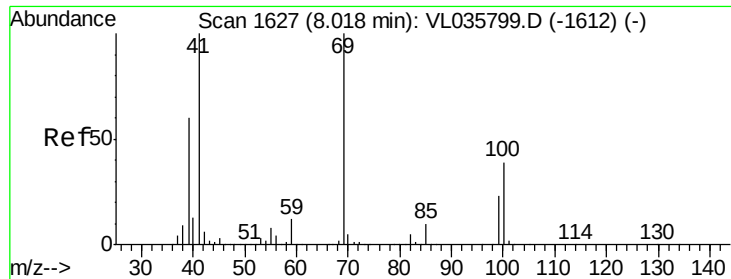
Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Tgt Ion:	83	Resp:	2675249
Ion	Ratio	Lower	Upper
83	100		
85	64.0	53.1	79.7
127	8.8	7.3	10.9





#43

Methyl Methacrylate

Concen: 10.215 ppbv

RT: 8.01 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Tot Ion: 69 Resp: 1368089

Ion Ratio Lower Upper

69 100

41 103.5 81.1 121.7

100 38.5 31.0 46.4

Instrument :

MSVOA_L

ClientSampleId :

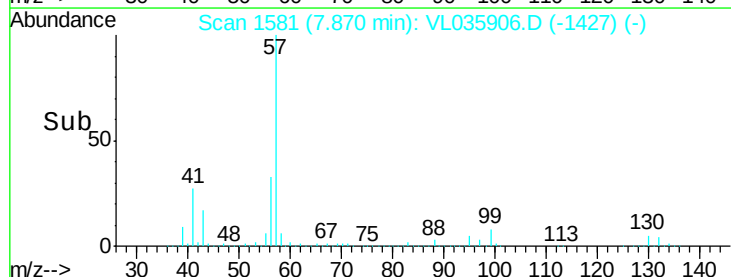
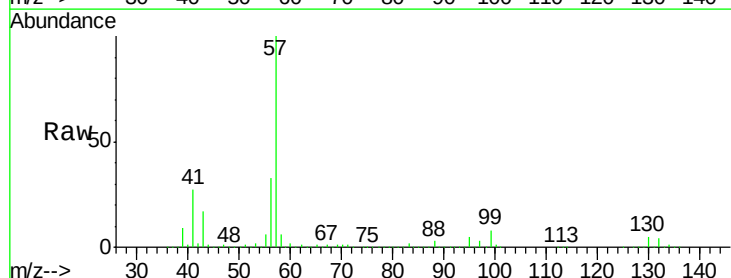
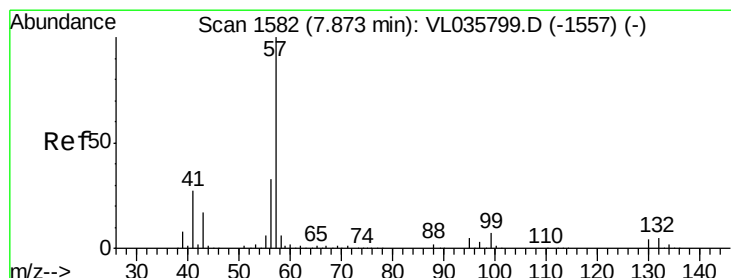
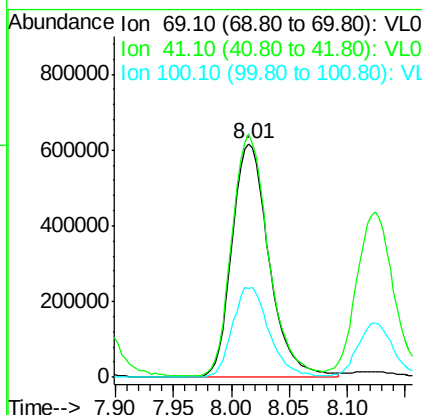
VSTDCCC010EC

Manual Integrations

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#44

2,2,4-Trimethylpentane

Concen: 9.657 ppbv

RT: 7.87 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

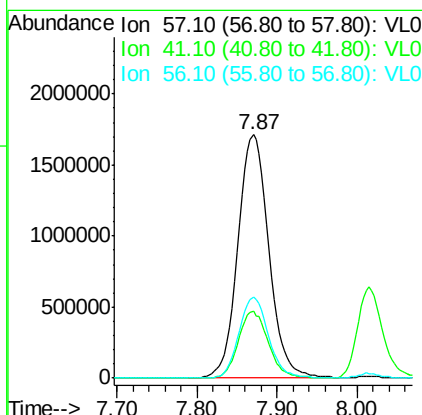
Tgt Ion: 57 Resp: 4487302

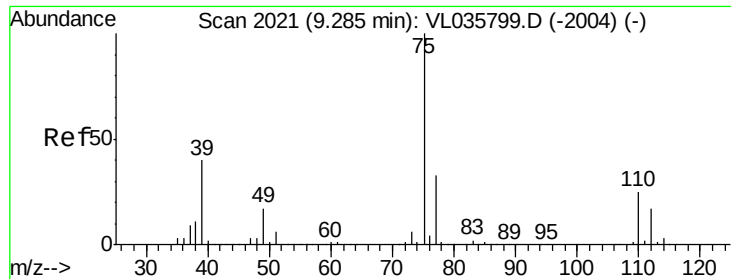
Ion Ratio Lower Upper

57 100

41 26.3 21.0 31.4

56 31.6 25.4 38.0





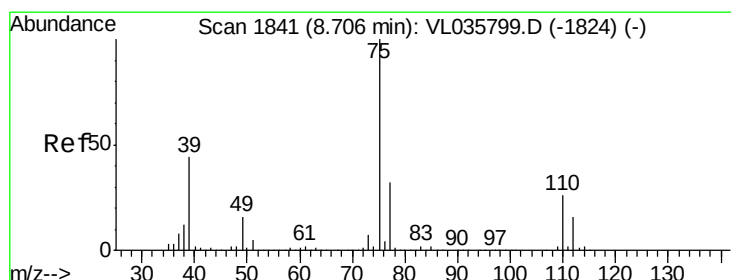
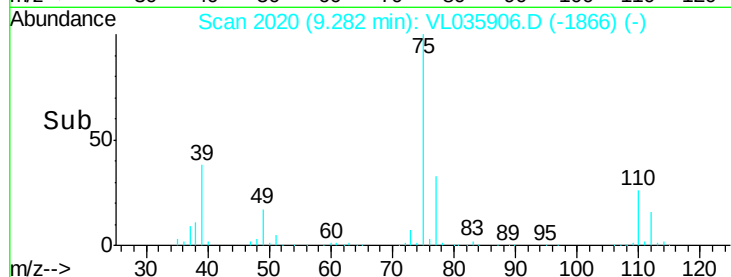
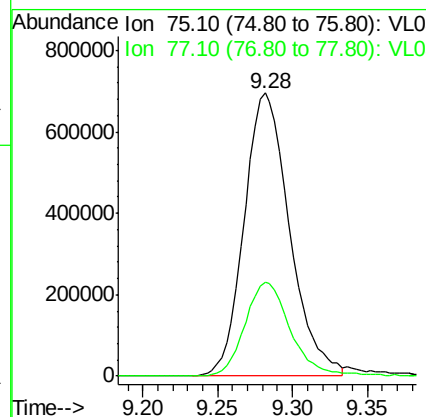
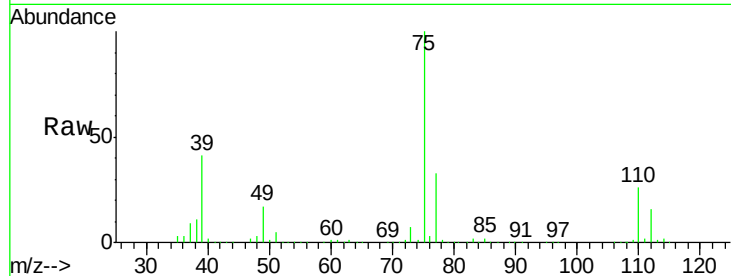
#45
 t-1,3-Dichloropropene
 Concen: 10.352 ppbv
 RT: 9.28 min Scan# 2020
 Delta R.T. -0.00 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 75 Resp: 1469846
 Ion Ratio Lower Upper
 75 100
 77 33.2 26.4 39.6

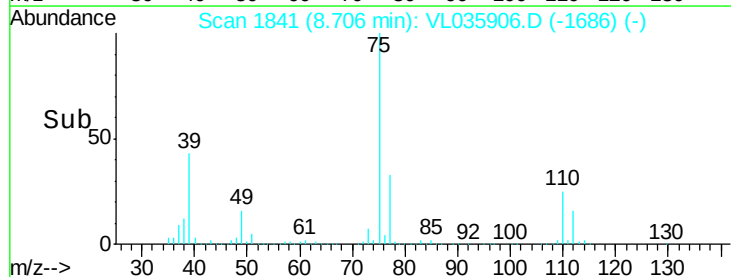
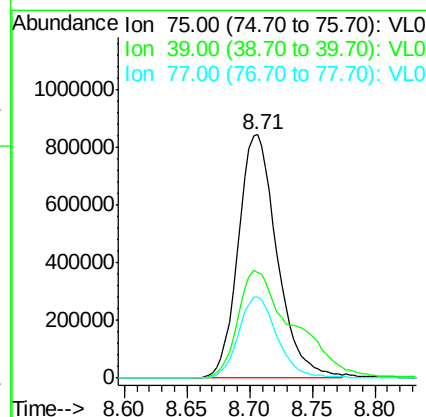
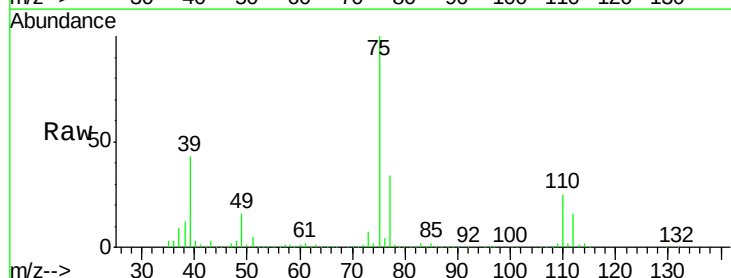
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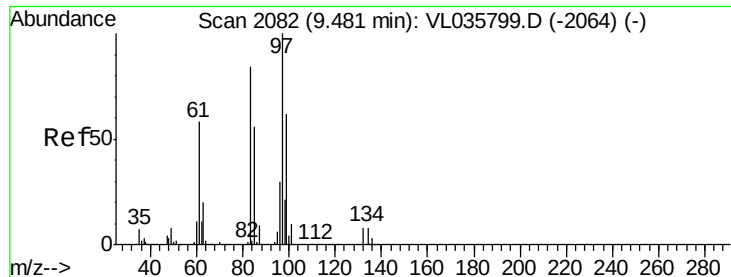
MMDadoda
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#46
 cis-1,3-Dichloropropene
 Concen: 10.125 ppbv
 RT: 8.71 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Tgt Ion: 75 Resp: 1820675
 Ion Ratio Lower Upper
 75 100
 39 43.3 35.1 52.7
 77 33.5 25.7 38.5





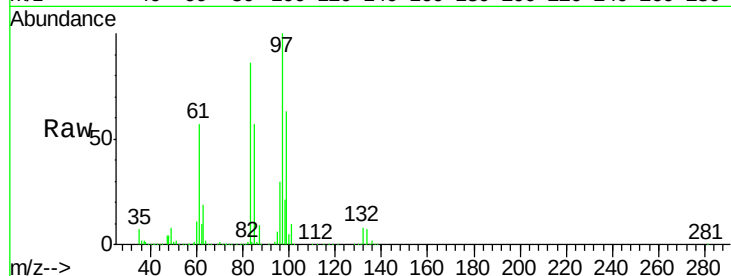
#47
 1,1,2-Trichloroethane
 Concen: 9.483 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. -0.00 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

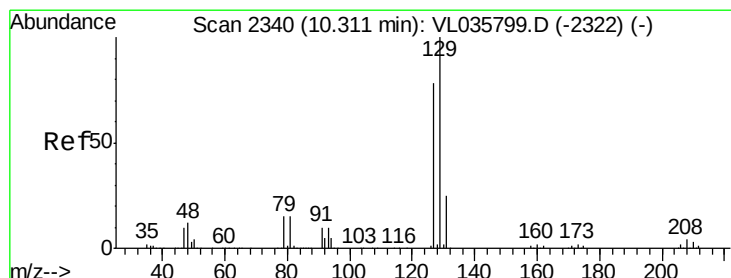
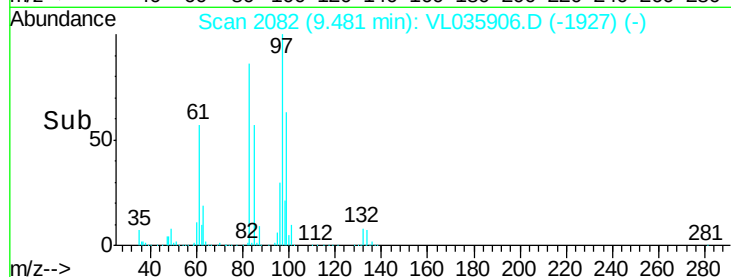
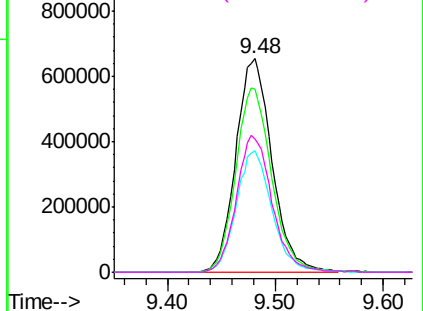
Tot Ion	Ratio	Lower	Upper
97	100		
83	85.7	67.1	100.7
85	56.9	44.7	67.1
99	62.6	49.7	74.5

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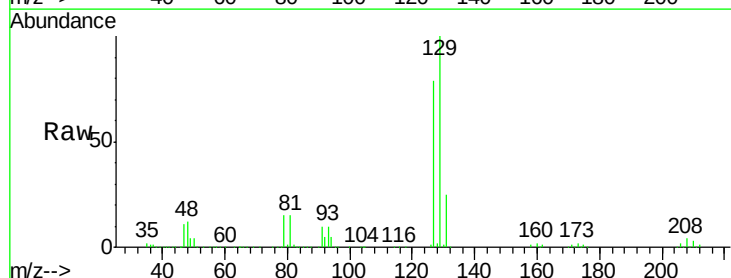


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

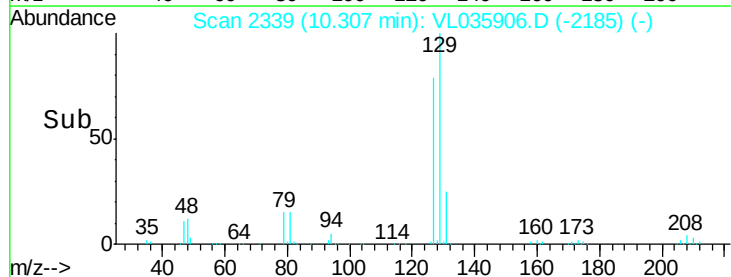
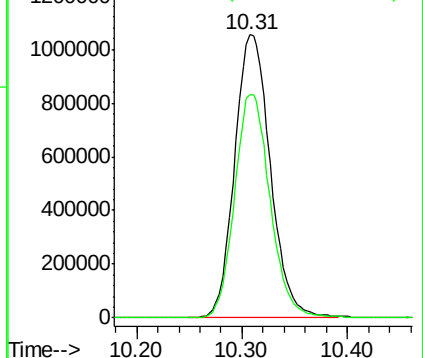


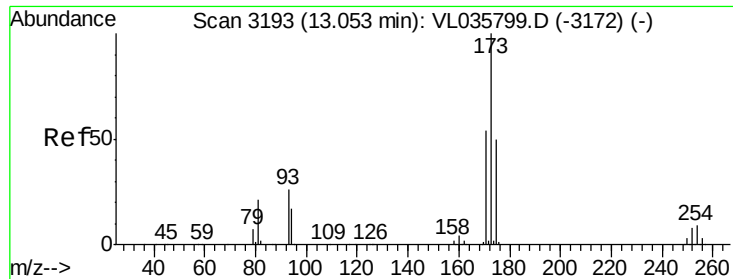
#48
 Dibromochloromethane
 Concen: 10.087 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T. -0.00 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Tgt 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: 10.123 ppbv

RT: 13.05 min Scan# 3191

Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 2102073

Ion Ratio Lower Upper

173 100

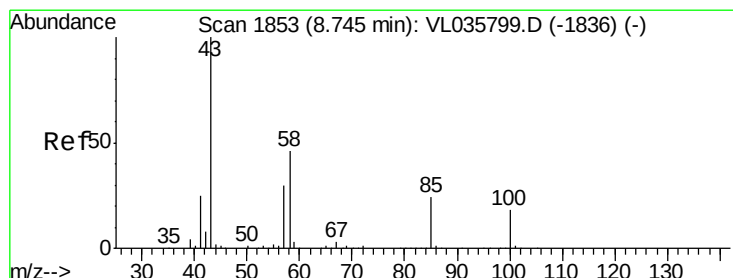
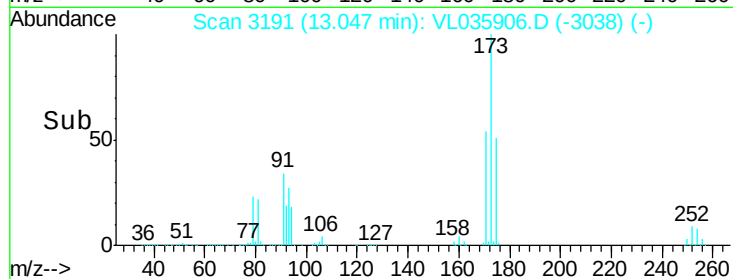
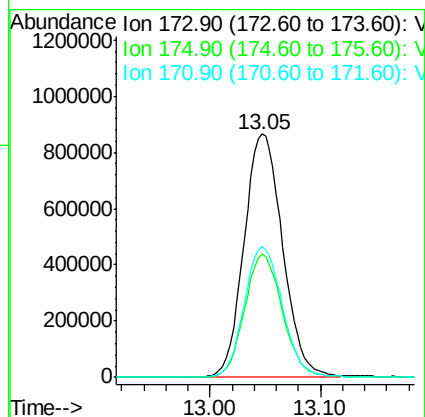
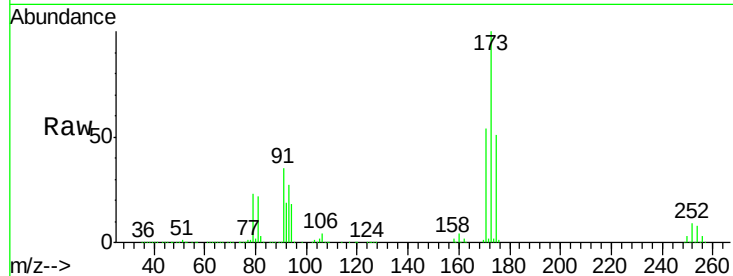
175 50.1 40.1 60.1

171 53.5 42.6 63.8

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#50

4-Methyl-2-Pentanone

Concen: 10.368 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VL035906.D

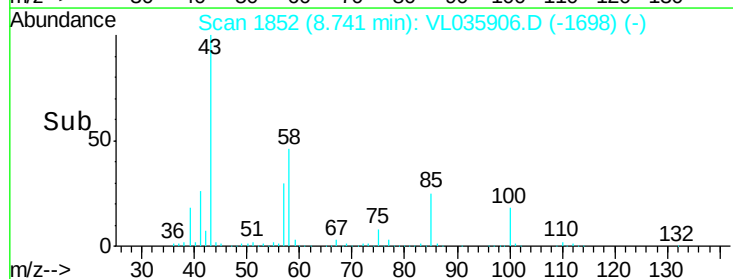
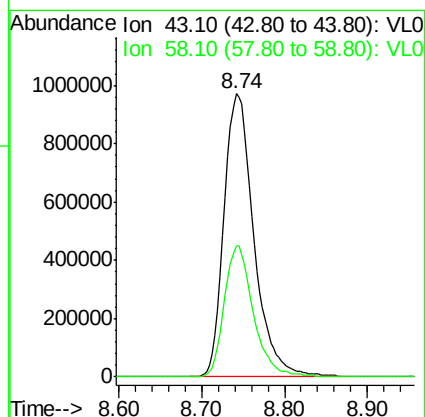
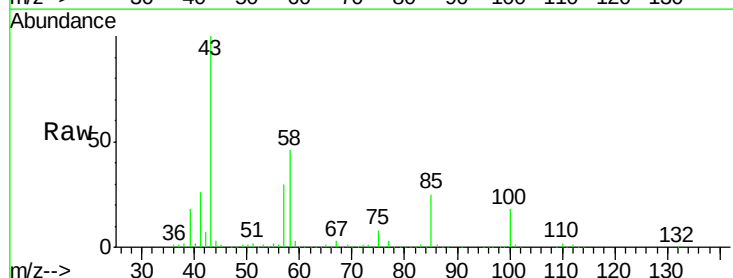
Acq: 11 Nov 2020 10:08

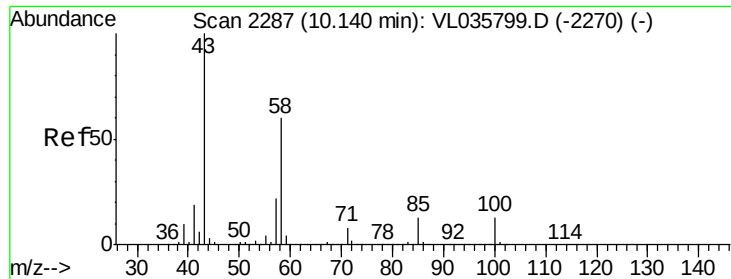
Tgt Ion: 43 Resp: 2430213

Ion Ratio Lower Upper

43 100

58 45.0 36.0 54.0





#51

2-Hexanone

Concen: 10.595 ppbv

RT: 10.14 min Scan# 2286

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1994919

Ion Ratio Lower Upper

43 100

58 61.3 48.3 72.5

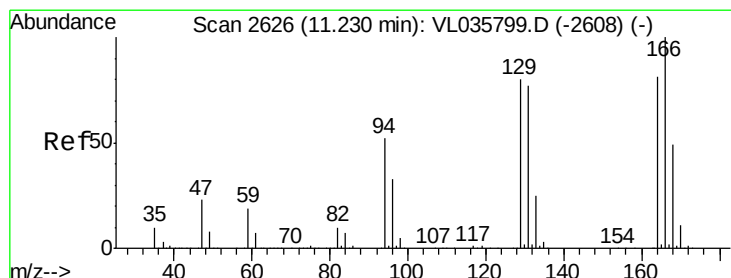
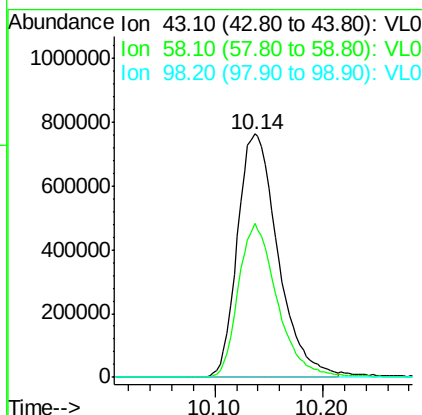
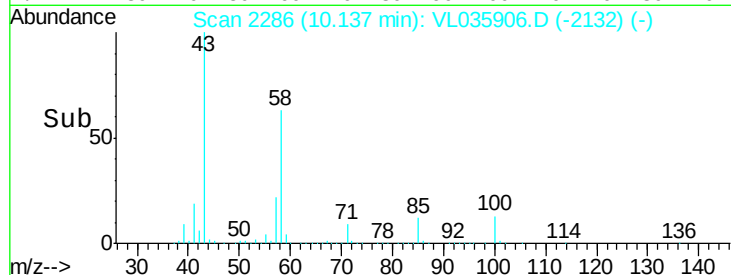
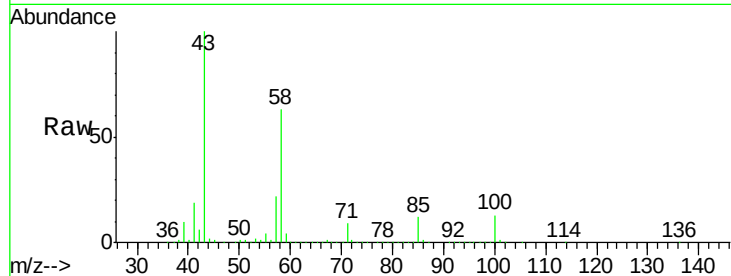
98 0.5 0.6 0.8#

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#52

Tetrachloroethene

Concen: 8.553 ppbv

RT: 11.23 min Scan# 2625

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Tgt Ion: 164 Resp: 1422922

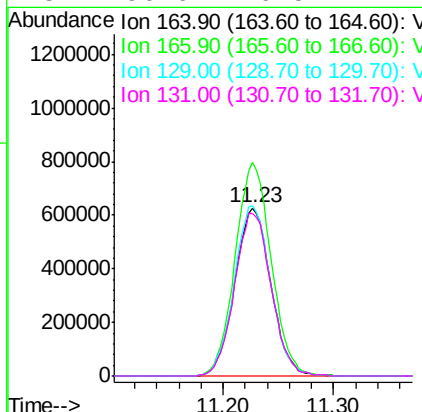
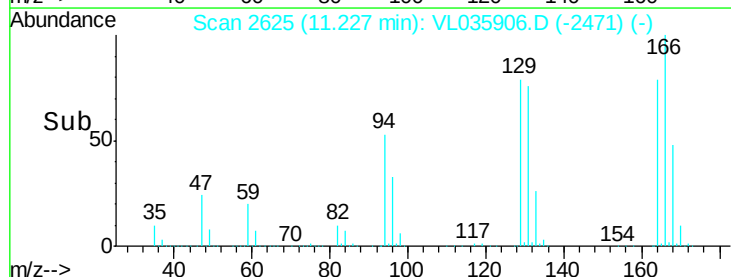
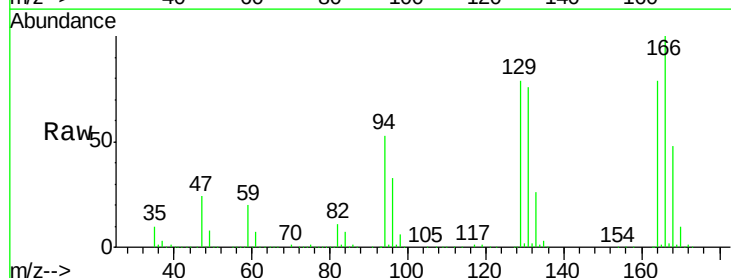
Ion Ratio Lower Upper

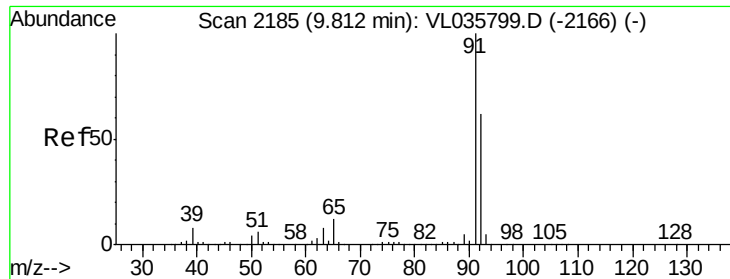
164 100

166 126.9 99.3 148.9

129 100.8 79.3 118.9

131 96.6 76.5 114.7





#53

Toluene

Concen: 9.502 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4026051

Ion Ratio Lower Upper

91 100

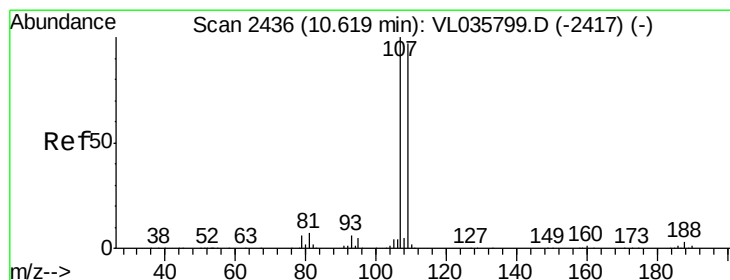
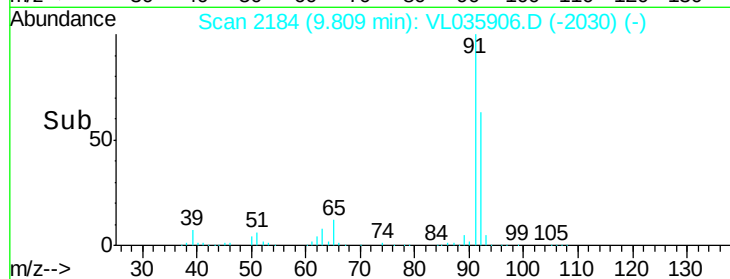
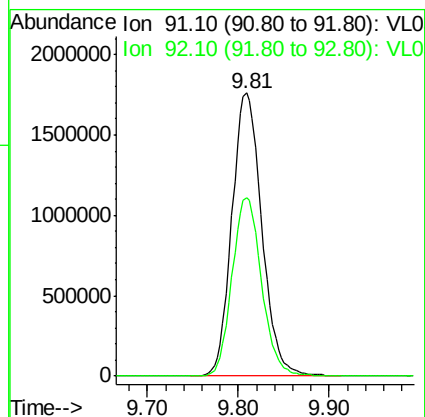
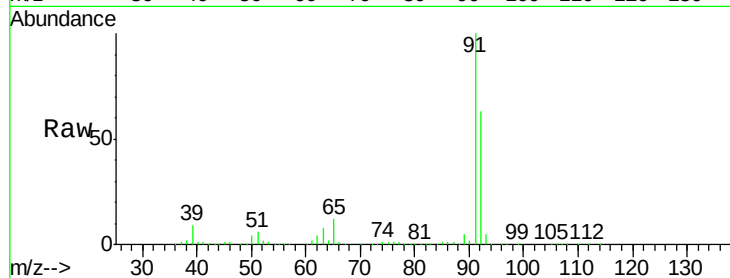
92 62.4 49.8 74.6

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#54

1,2-Dibromoethane

Concen: 9.590 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. -0.01 min

Lab File: VL035906.D

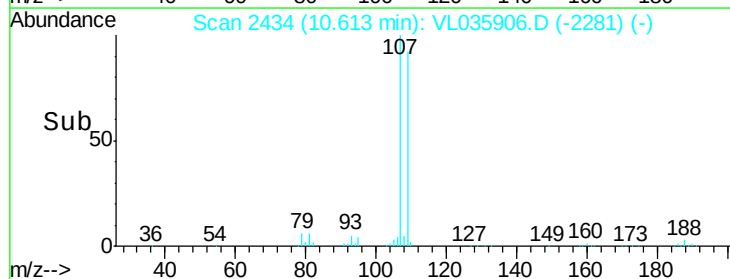
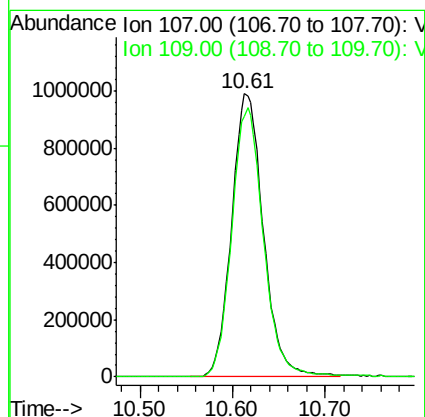
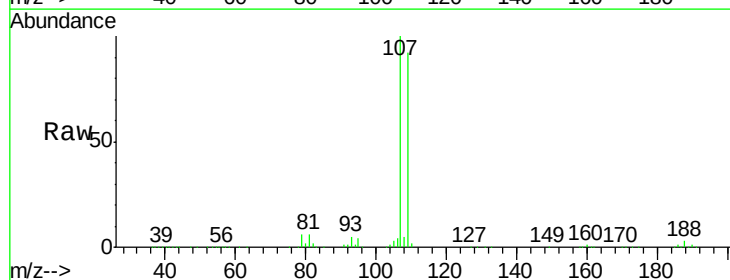
Acq: 11 Nov 2020 10:08

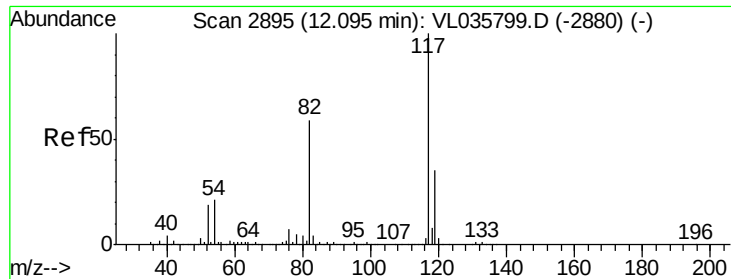
Tgt Ion: 107 Resp: 2349369

Ion Ratio Lower Upper

107 100

109 92.2 77.2 115.8





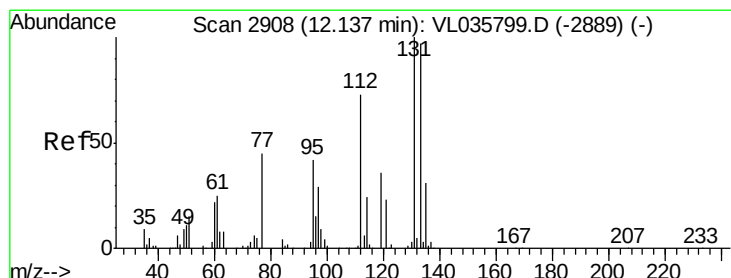
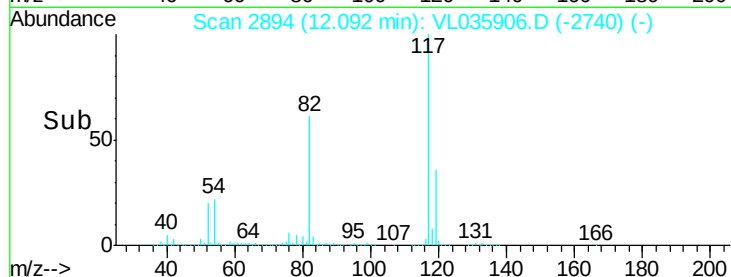
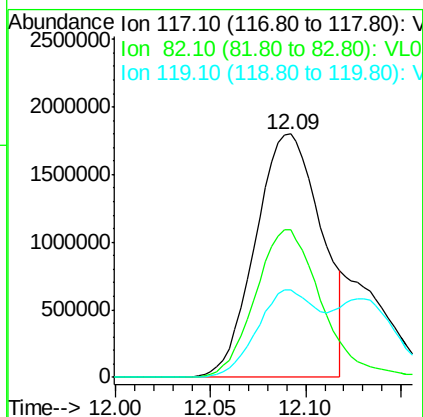
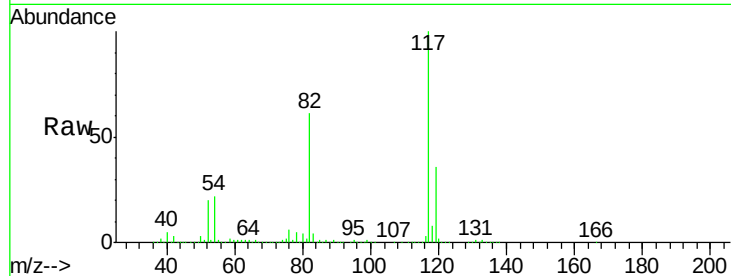
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 4320422
Ion Ratio Lower Upper
117 100
82 61.7 50.6 76.0
119 33.7 52.6 78.8#

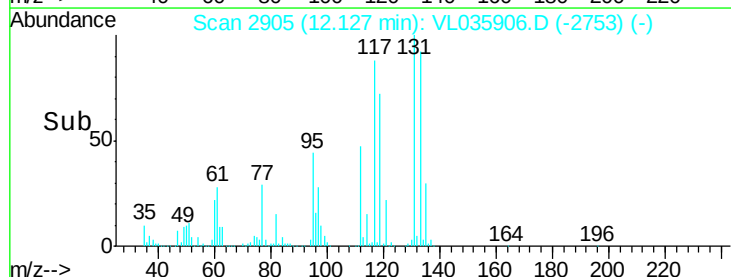
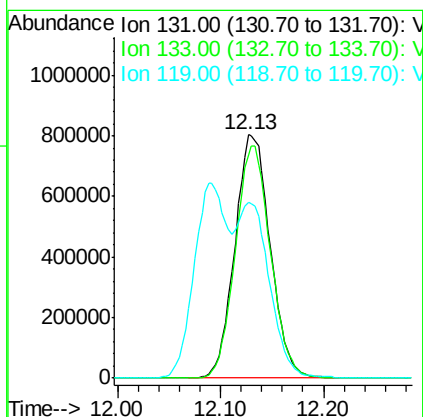
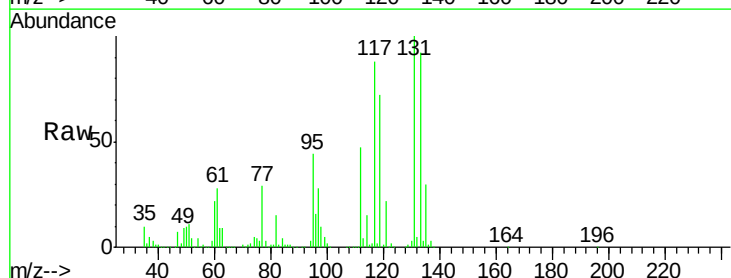
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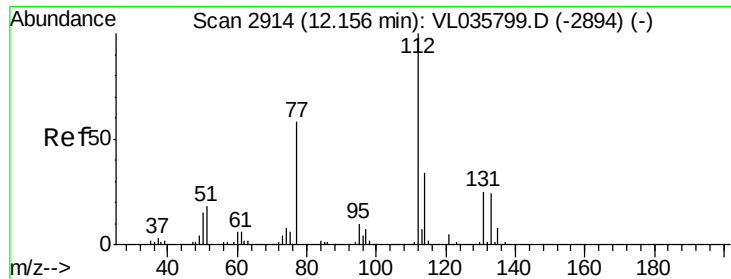
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.888 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

Tgt Ion:131 Resp: 1917461
Ion Ratio Lower Upper
131 100
133 95.1 76.8 115.2
119 72.3 47.4 71.0#





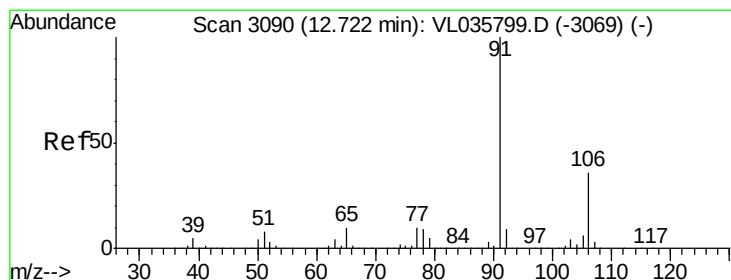
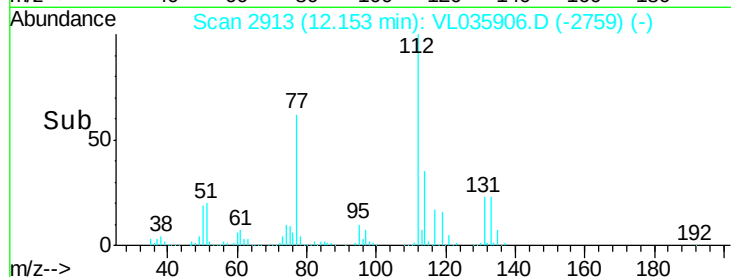
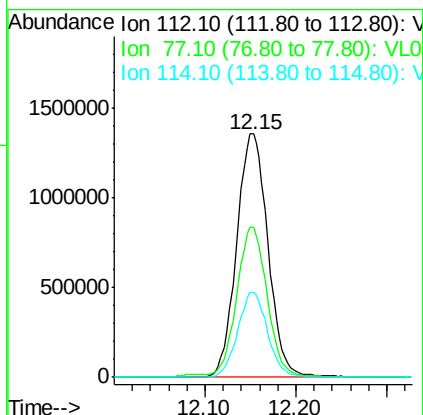
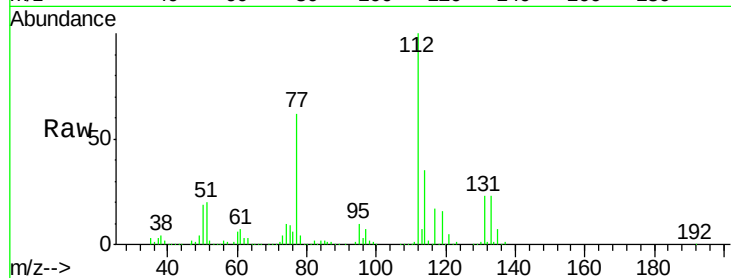
#57
Chlorobenzene
Concen: 9.423 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:112 Resp: 3236800
Ion Ratio Lower Upper
112 100
77 61.5 47.5 71.3
114 34.7 30.3 37.1

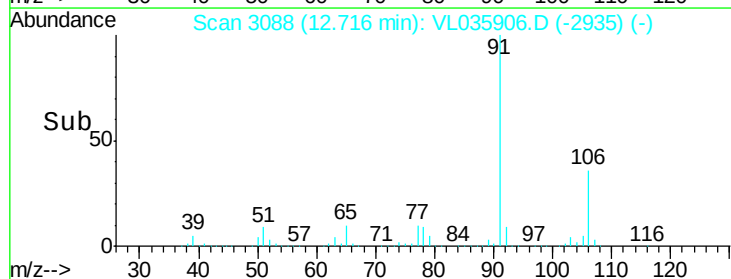
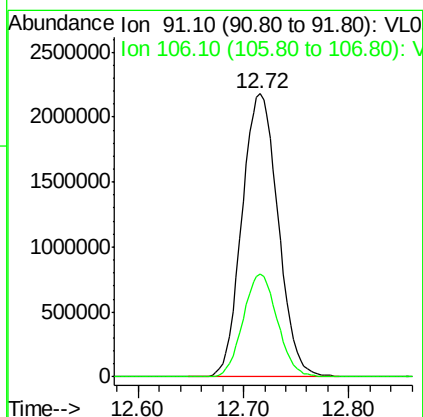
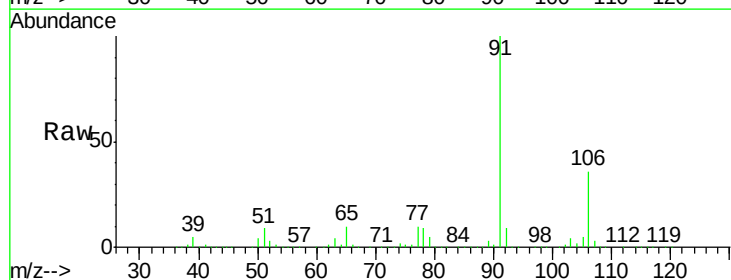
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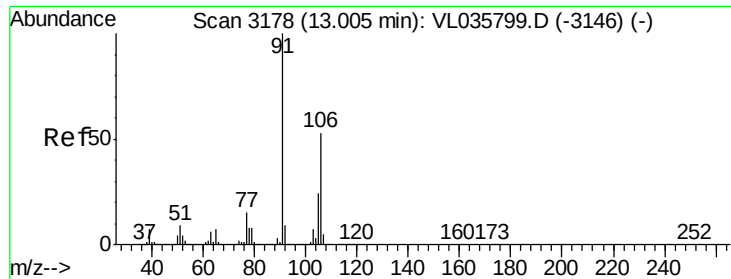
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#58
Ethyl Benzene
Concen: 9.879 ppbv
RT: 12.72 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

Tgt Ion: 91 Resp: 5198255
Ion Ratio Lower Upper
91 100
106 36.2 28.6 43.0





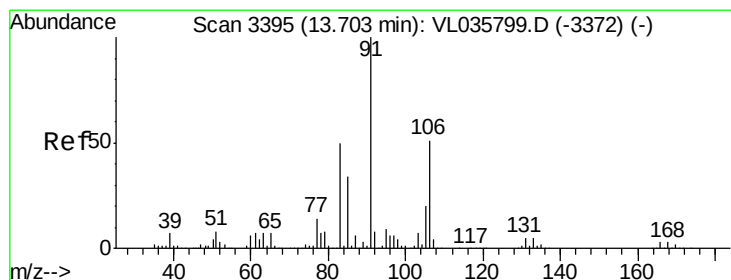
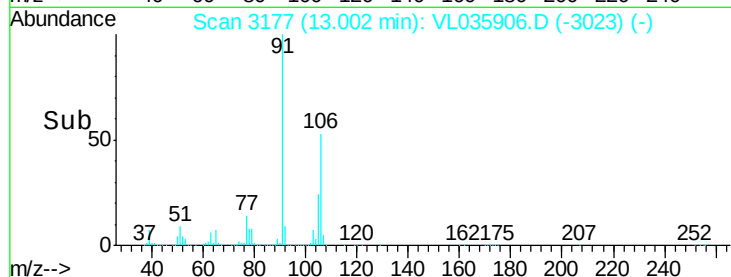
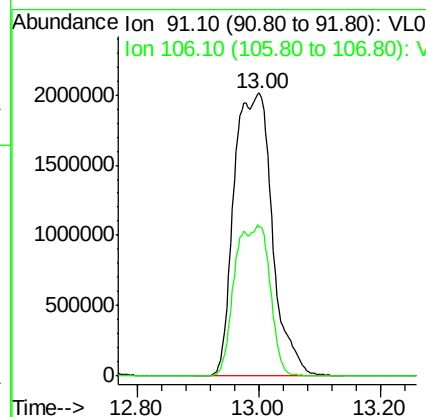
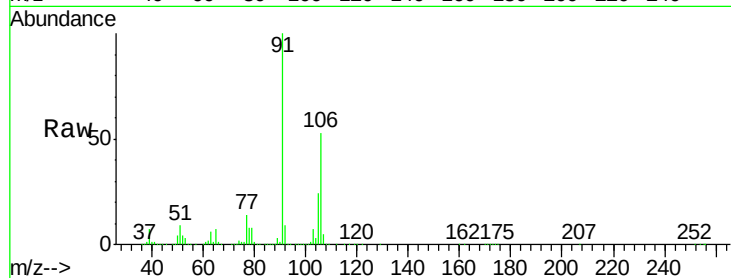
#59
m/p-Xylene
Concen: 19.713 ppbv m
RT: 13.00 min Scan# 3177
Delta R.T. -0.00 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 8776212
Ion Ratio Lower Upper
91 100
106 49.1 39.5 59.3

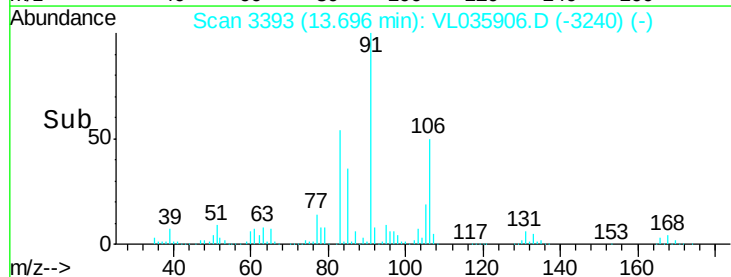
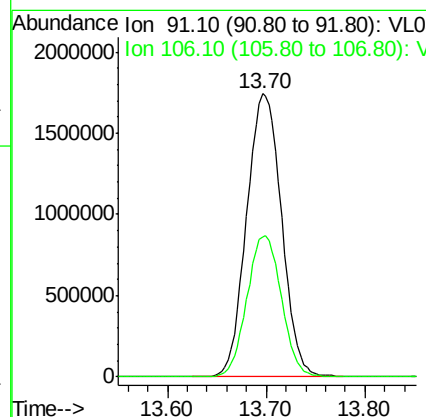
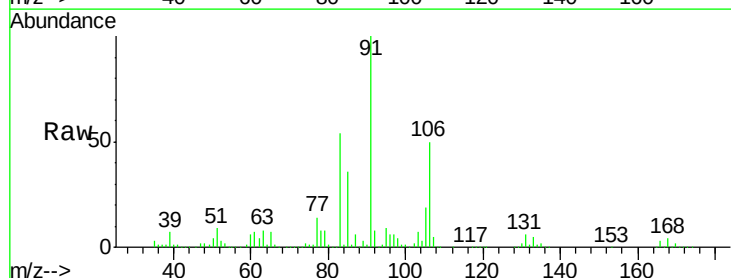
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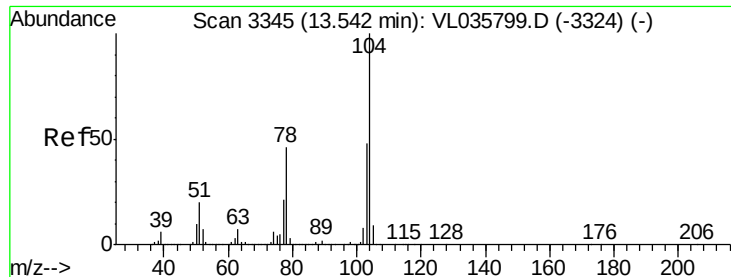
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#60
o-Xylene
Concen: 9.842 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL035906.D
Acq: 11 Nov 2020 10:08

Tgt Ion: 91 Resp: 4262232
Ion Ratio Lower Upper
91 100
106 49.3 24.8 74.4





#61

Stvrene

Concen: 10.359 ppbv

RT: 13.53 min Scan# 3342

Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 3287232

Ion Ratio Lower Upper

104 100

78 46.9 37.1 55.7

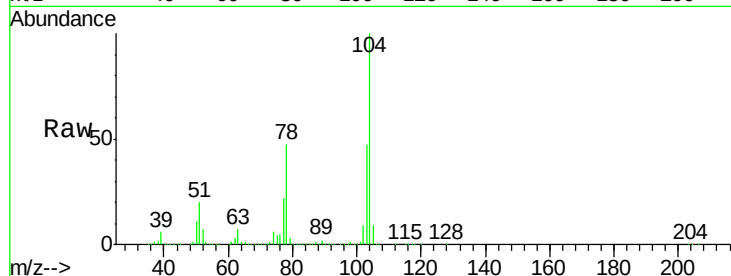
103 47.7 37.9 56.9

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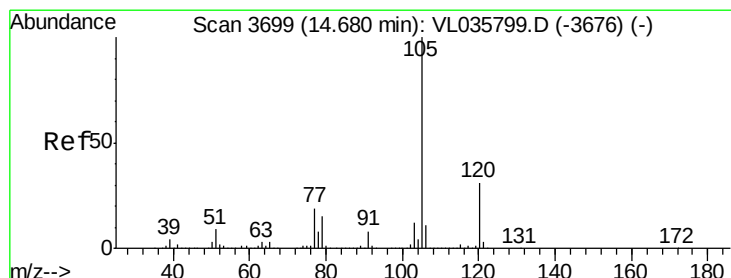
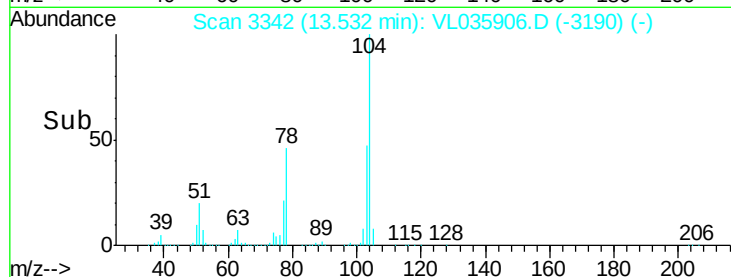
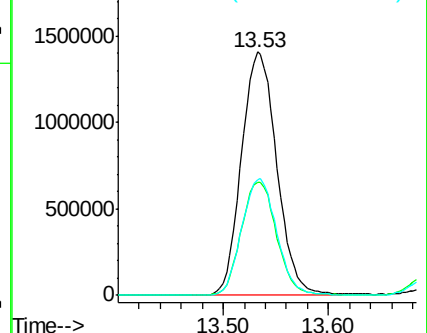
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.442 ppbv

RT: 14.67 min Scan# 3697

Delta R.T. -0.01 min

Lab File: VL035906.D

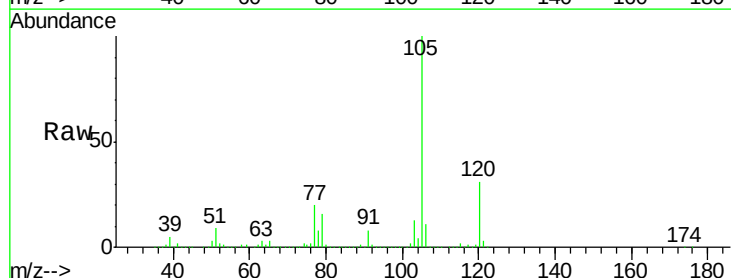
Acq: 11 Nov 2020 10:08

Tgt Ion:105 Resp: 6427043

Ion Ratio Lower Upper

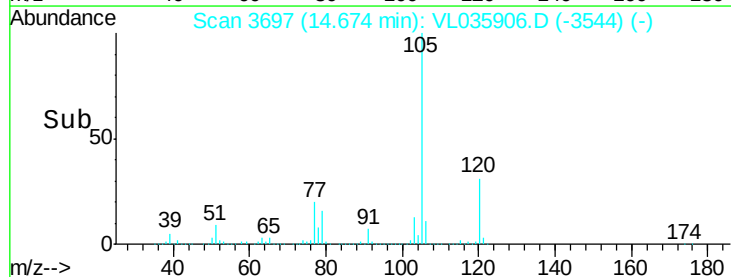
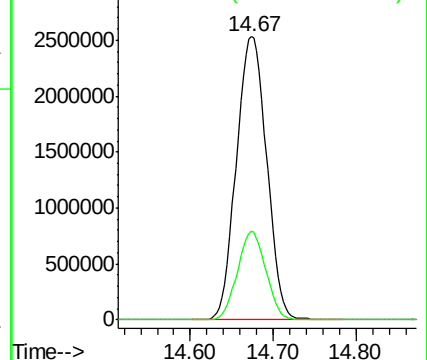
105 100

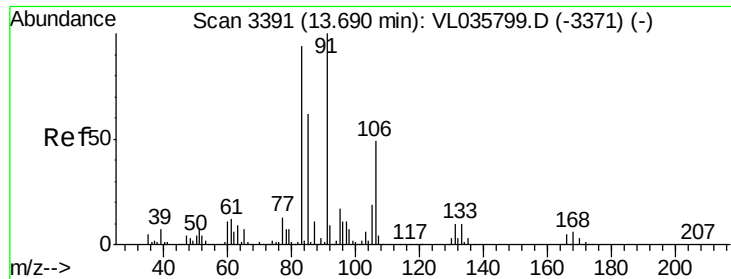
120 29.4 23.5 35.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





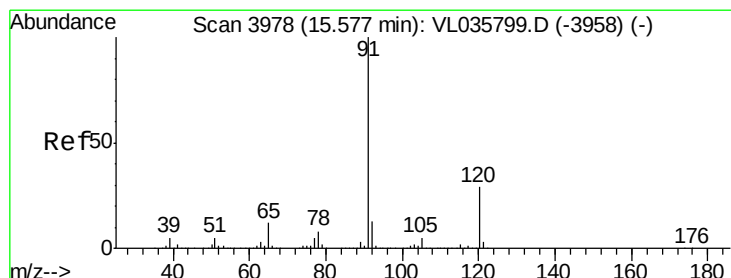
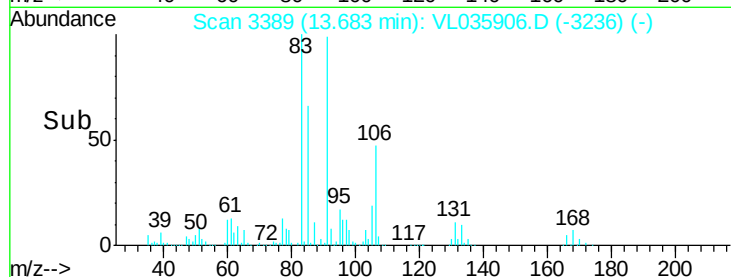
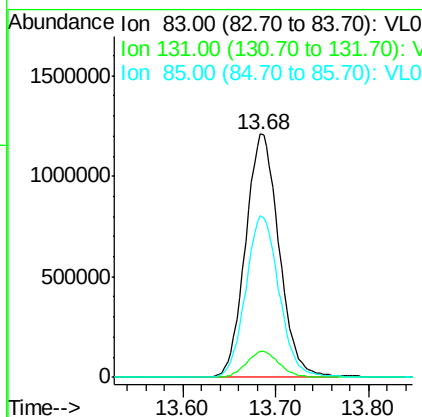
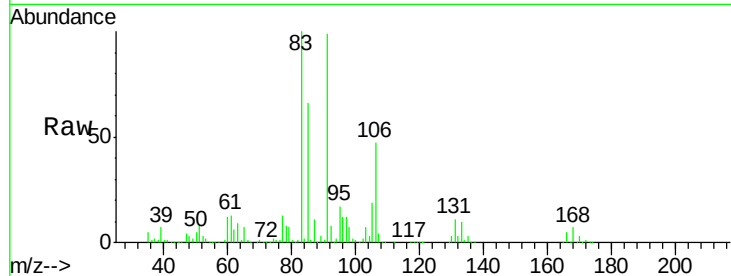
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.062 ppbv
 RT: 13.68 min Scan# 3389
 Delta R.T. -0.01 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 83 Resp: 3040866
 Ion Ratio Lower Upper
 83 100
 131 10.5 5.3 15.8
 85 66.6 33.5 100.4

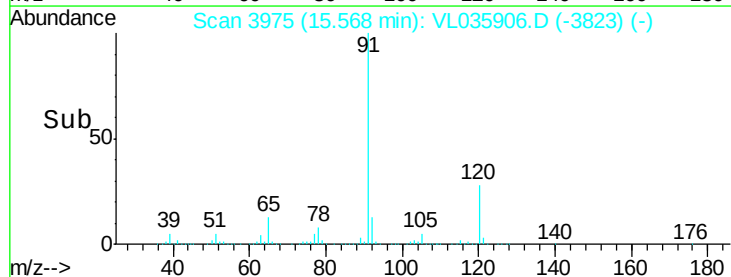
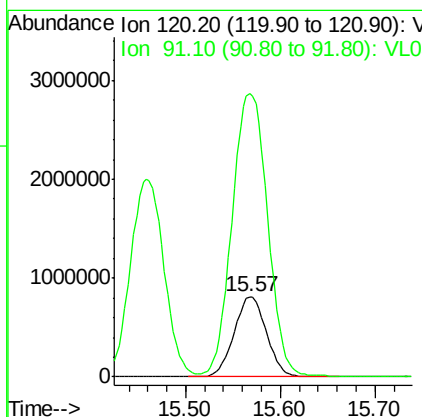
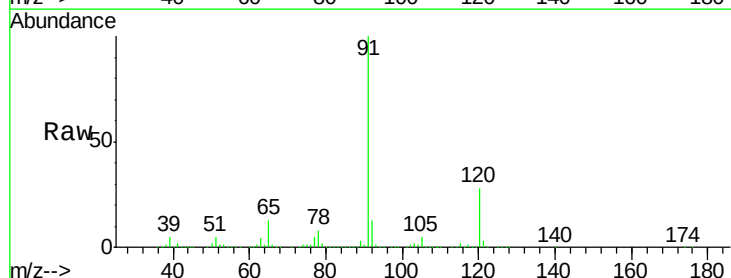
Manual Integrations
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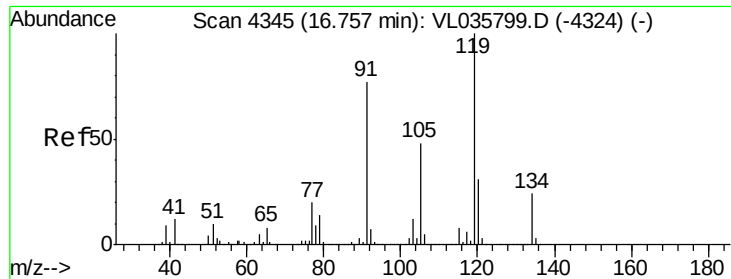
MMDadoda
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#64
 n-propylbenzene
 Concen: 9.818 ppbv
 RT: 15.57 min Scan# 3975
 Delta R.T. -0.01 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Tgt Ion: 120 Resp: 1931756
 Ion Ratio Lower Upper
 120 100
 91 387.1 311.1 466.7





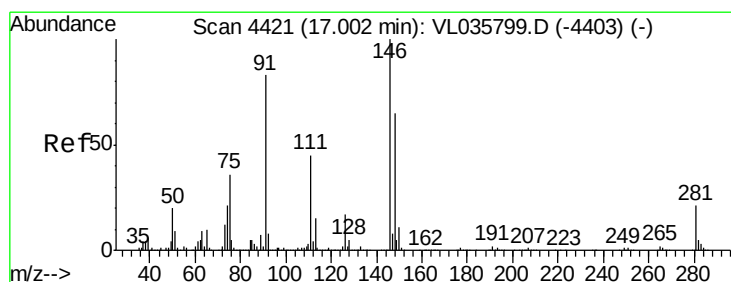
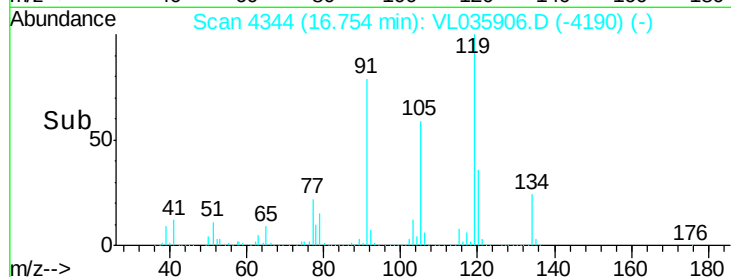
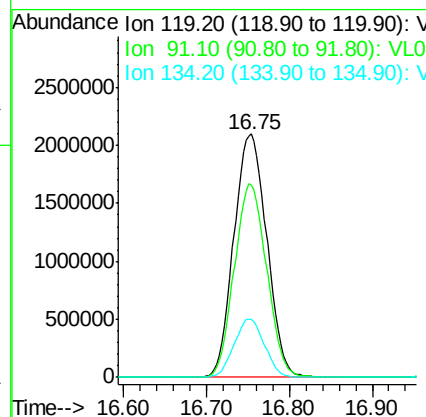
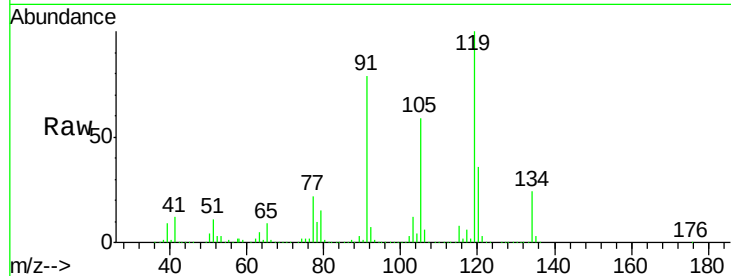
#65
 tert-Butylbenzene
 Concen: 9.329 ppbv
 RT: 16.75 min Scan# 4344
 Delta R.T. -0.00 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:119 Resp: 5780011
 Ion Ratio Lower Upper
 119 100
 91 78.2 62.0 93.0
 134 22.2 17.8 26.8

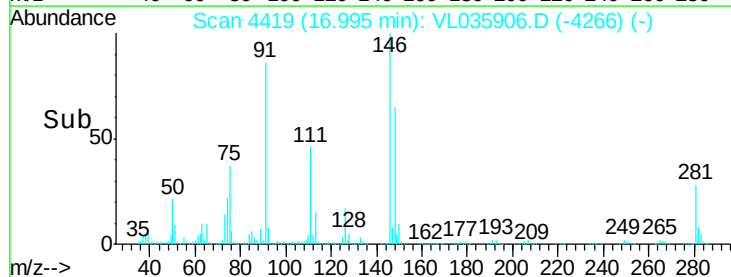
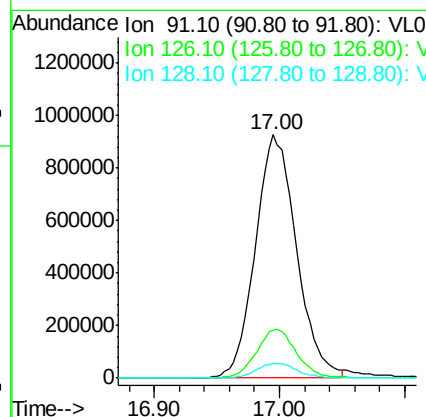
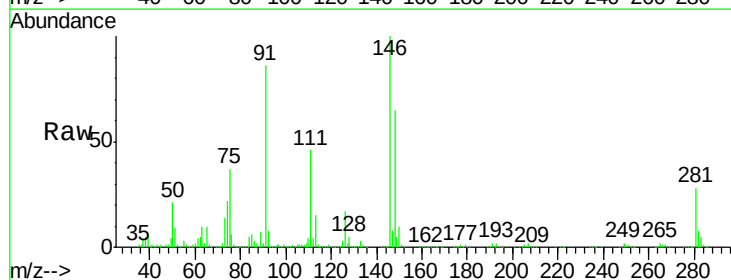
Manual Integrations
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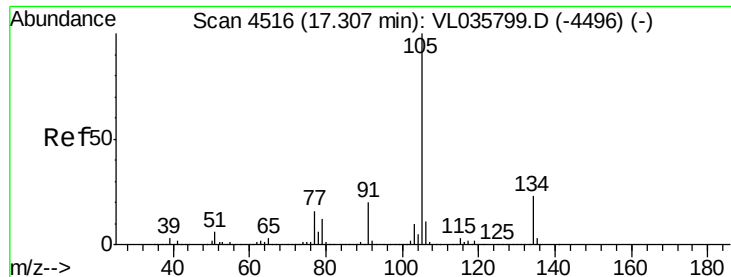
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#66
 Benzyl Chloride
 Concen: 10.293 ppbv
 RT: 17.00 min Scan# 4419
 Delta R.T. -0.01 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Tgt Ion: 91 Resp: 2107993
 Ion Ratio Lower Upper
 91 100
 126 19.8 16.0 24.0
 128 6.2 5.0 7.4





#67

sec-Butylbenzene

Concen: 9.398 ppbv

RT: 17.30 min Scan# 4514

Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 7847212

Ion Ratio Lower Upper

105 100

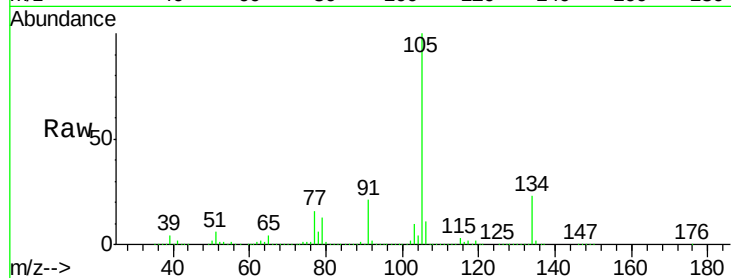
134 21.2 17.0 25.6

Manual Integrations

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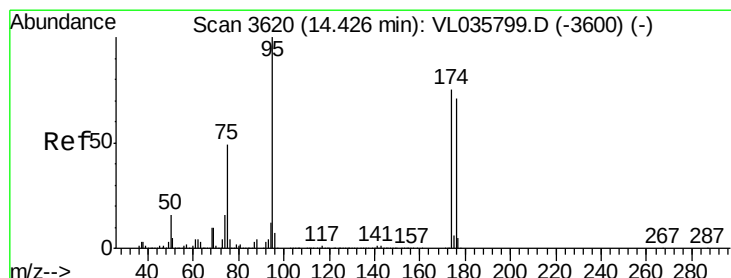
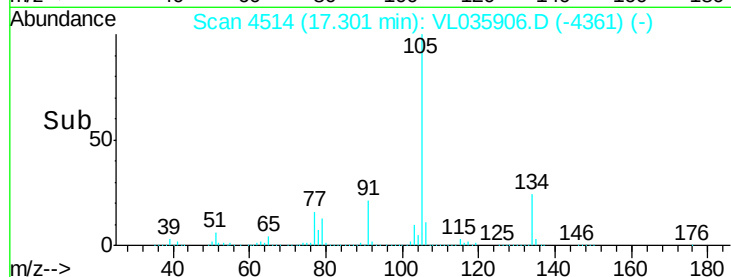
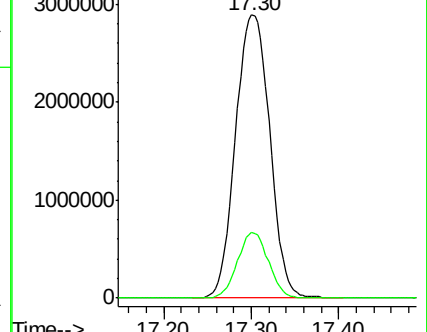
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.817 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

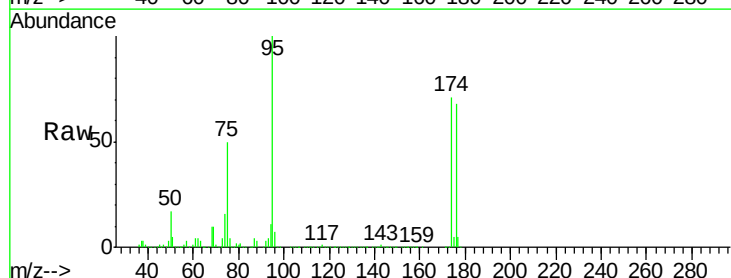
Tgt Ion: 95 Resp: 3320309

Ion Ratio Lower Upper

95 100

174 71.9 59.8 89.6

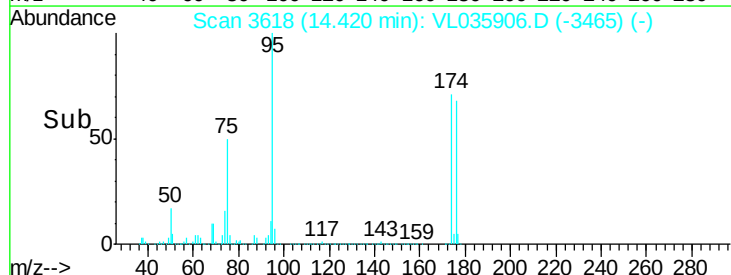
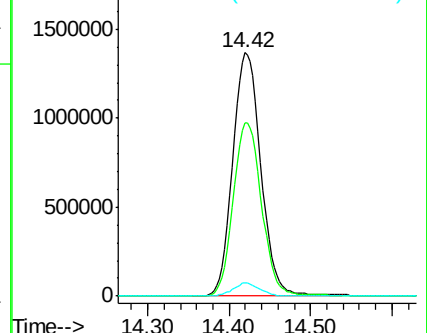
175 5.1 4.3 6.5

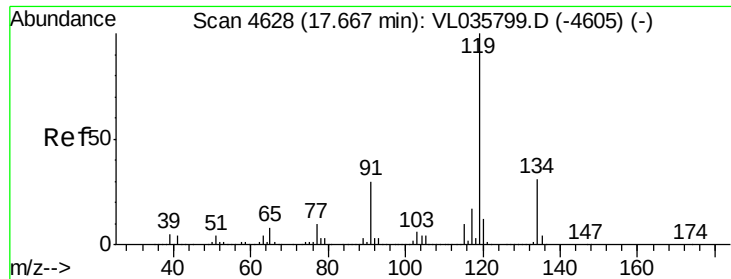


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





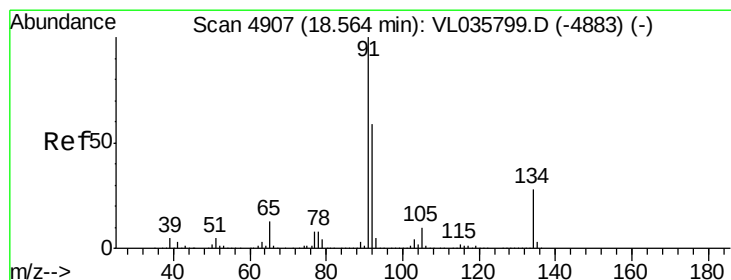
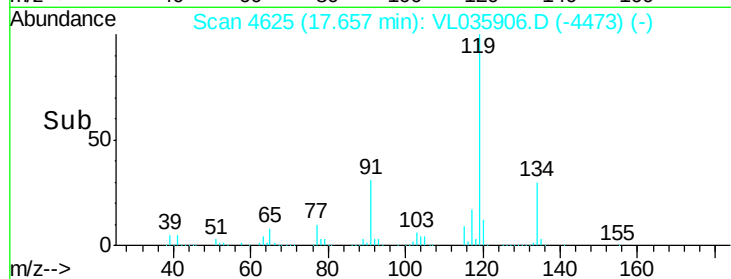
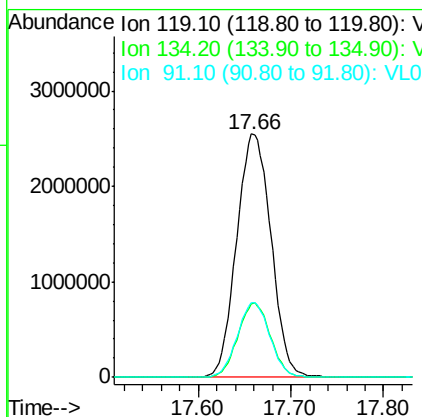
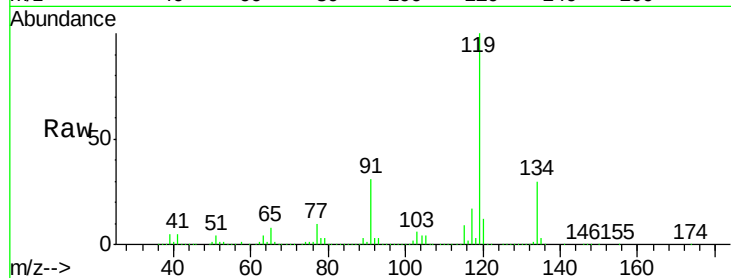
#69
 p-Isopropyltoluene
 Concen: 9.538 ppbv
 RT: 17.66 min Scan# 4625
 Delta R.T. -0.01 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:119 Resp: 6571837
 Ion Ratio Lower Upper
 119 100
 134 28.8 23.0 34.6
 91 29.0 22.8 34.2

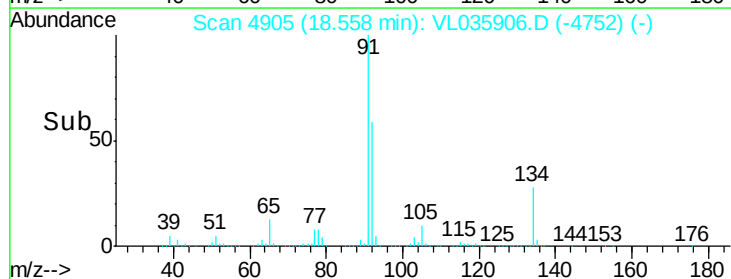
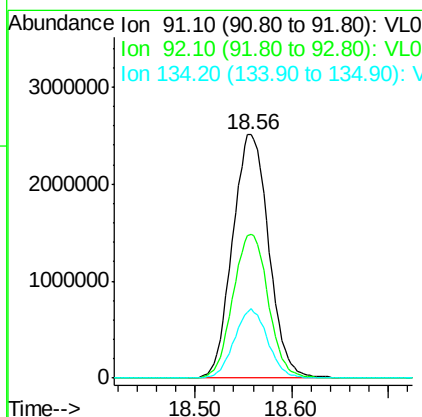
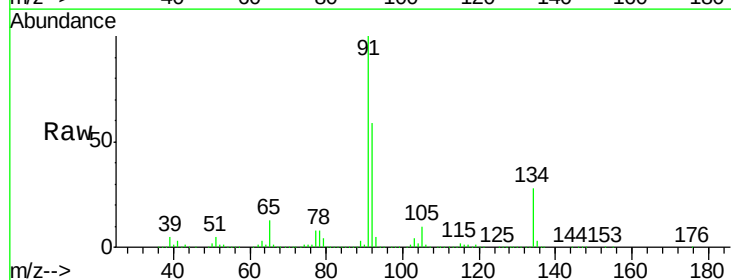
Manual Integrations
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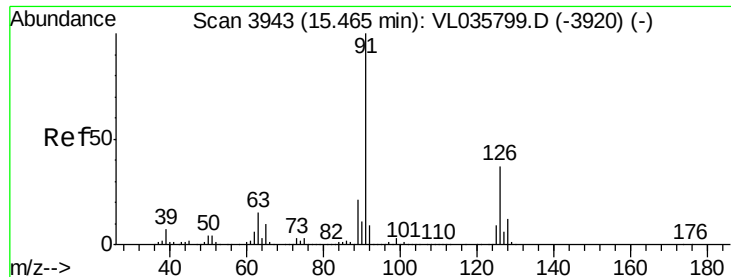
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#70
 n-Butylbenzene
 Concen: 9.820 ppbv
 RT: 18.56 min Scan# 4905
 Delta R.T. -0.01 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Tgt Ion: 91 Resp: 6515872
 Ion Ratio Lower Upper
 91 100
 92 57.9 45.7 68.5
 134 26.4 21.0 31.4





#71

2-Chlorotoluene

Concen: 9.887 ppbv

RT: 15.46 min Scan# 3941

Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4922867

Ion Ratio Lower Upper

91 100

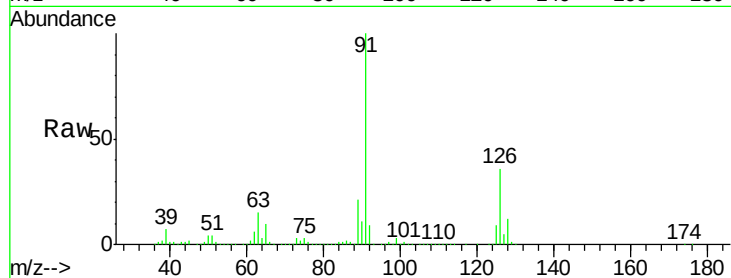
126 35.1 14.3 57.1

Manual Integrations

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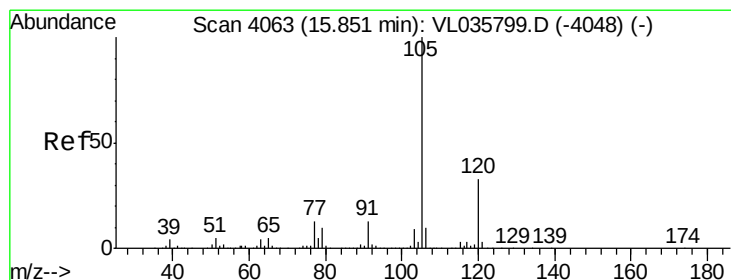
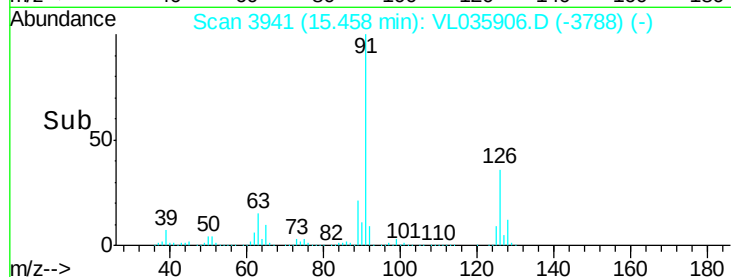
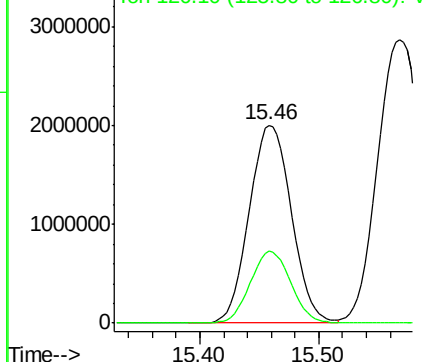
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.876 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. -0.00 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Tgt Ion: 105 Resp: 5187333

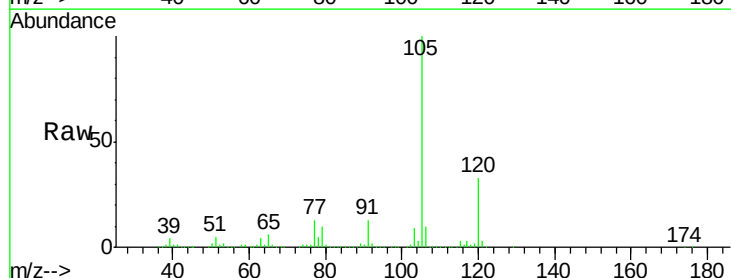
Ion Ratio Lower Upper

105 100

120 32.4 25.9 38.9

91 12.5 9.9 14.9

77 13.3 10.2 15.2

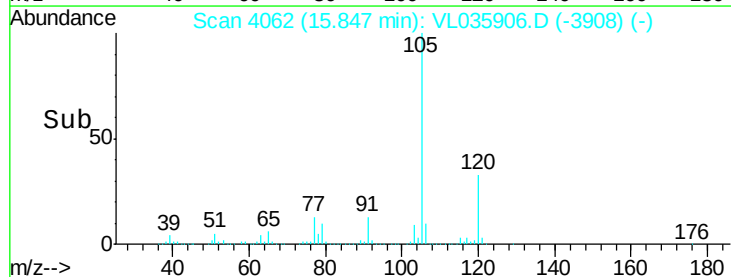
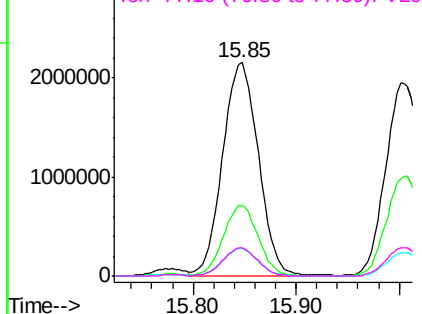


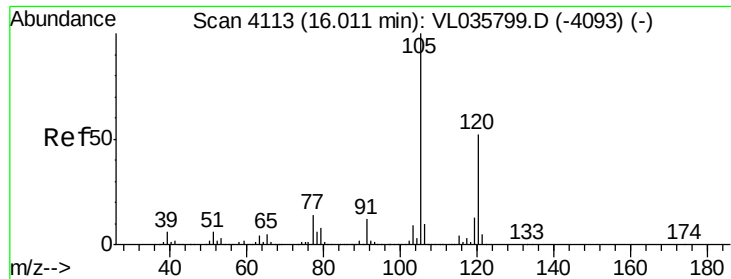
Abundance Ion 105.10 (104.80 to 105.80): V

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





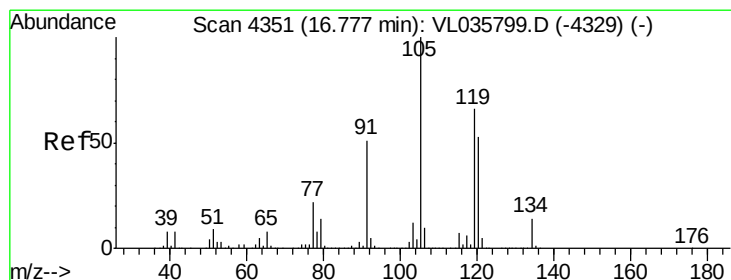
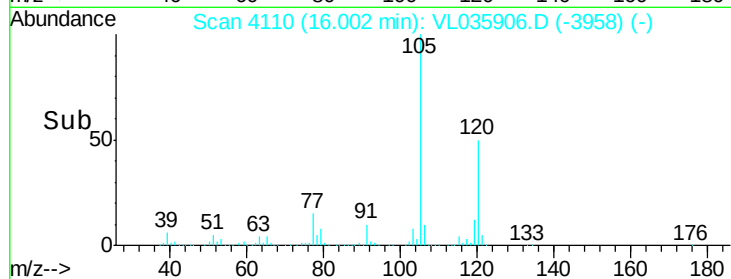
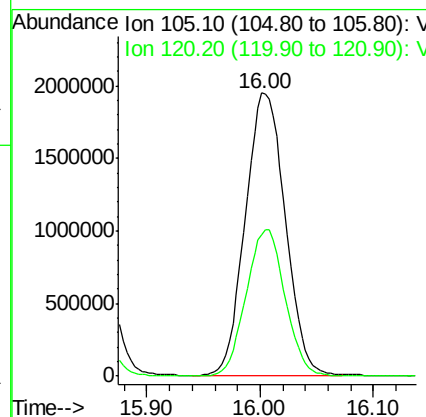
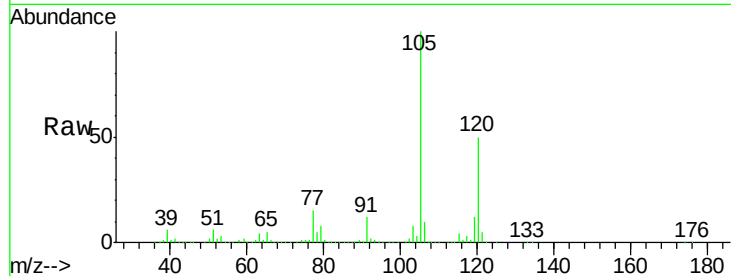
#73
 1,3,5-Trimethylbenzene
 Concen: 9.933 ppbv
 RT: 16.00 min Scan# 4110
 Delta R.T. -0.01 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 4774678
 Ion Ratio Lower Upper
 105 100
 120 50.1 41.4 62.2

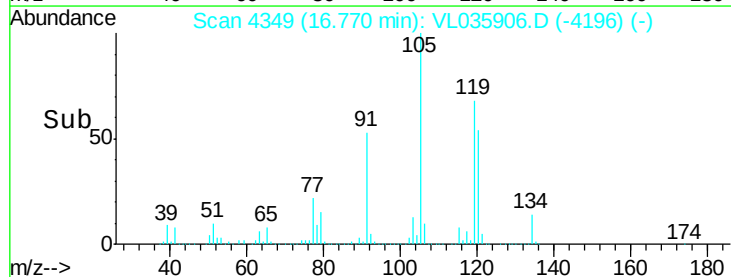
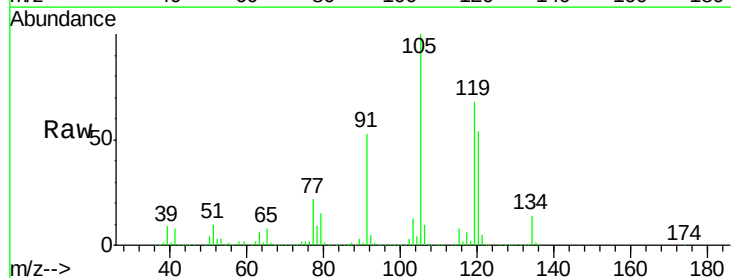
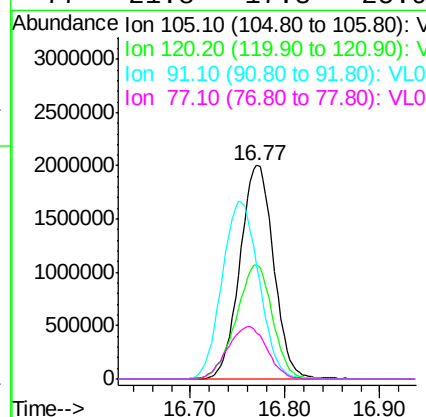
Manual Integrations
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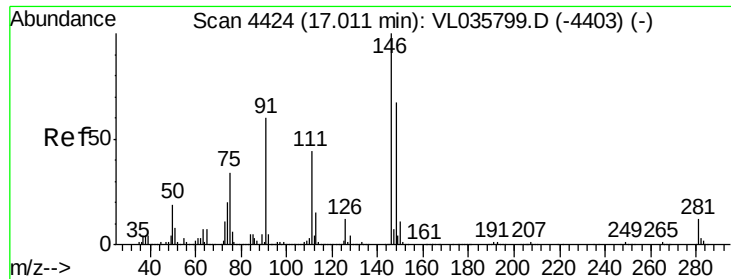
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.620 ppbv
 RT: 16.77 min Scan# 4349
 Delta R.T. -0.01 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Tgt Ion:105 Resp: 4954943
 Ion Ratio Lower Upper
 105 100
 120 53.4 42.0 63.0
 91 53.1 41.0 61.6
 77 21.8 17.3 25.9





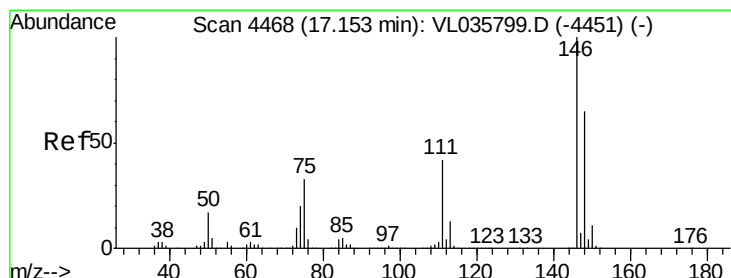
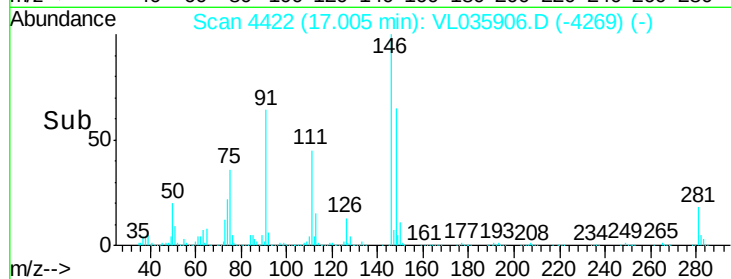
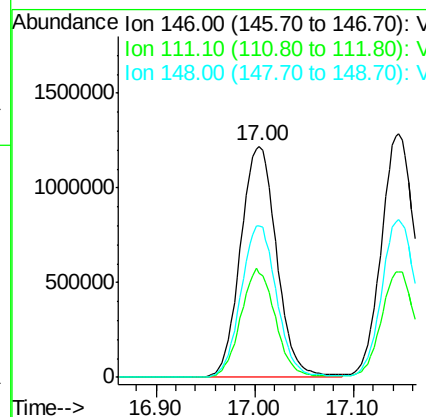
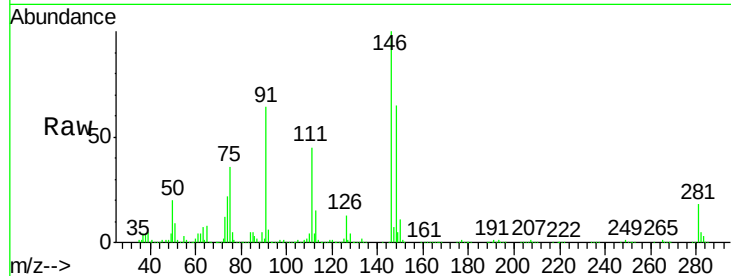
#75
 1,3-Dichlorobenzene
 Concen: 9.448 ppbv
 RT: 17.00 min Scan# 4422
 Delta R.T. -0.01 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 3098367
 Ion Ratio Lower Upper
 146 100
 111 45.0 21.8 65.4
 148 64.9 32.5 97.5

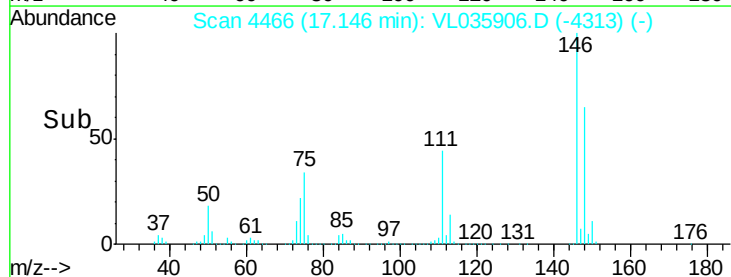
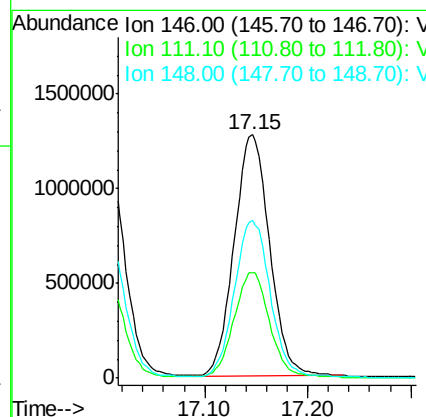
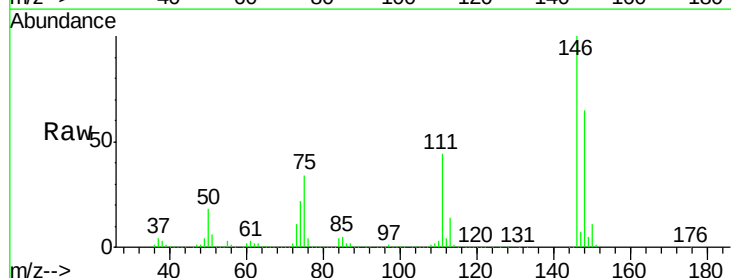
Manual Integrations
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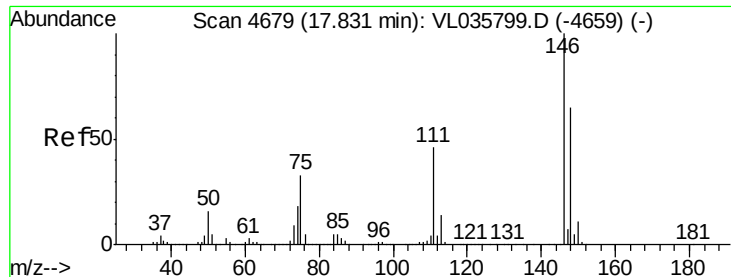
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#76
 1,4-Dichlorobenzene
 Concen: 9.711 ppbv
 RT: 17.15 min Scan# 4466
 Delta R.T. -0.01 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Tgt Ion:146 Resp: 3072259
 Ion Ratio Lower Upper
 146 100
 111 44.0 21.3 63.7
 148 66.0 33.0 99.0





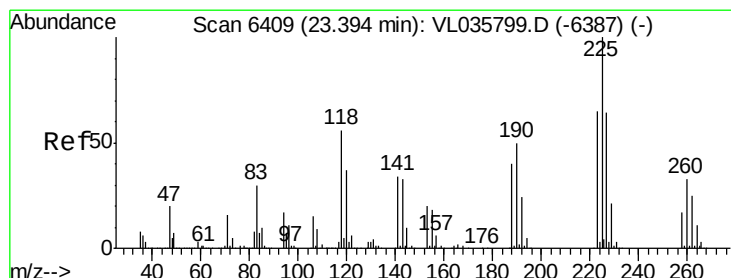
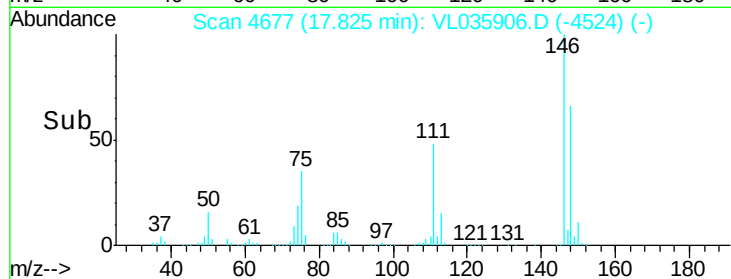
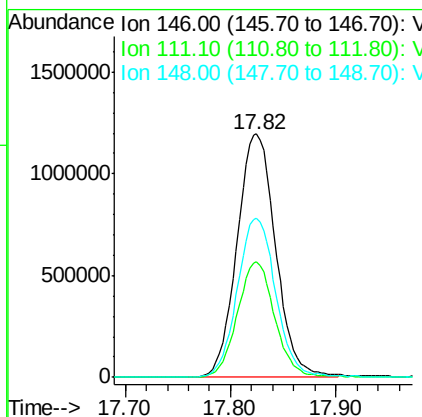
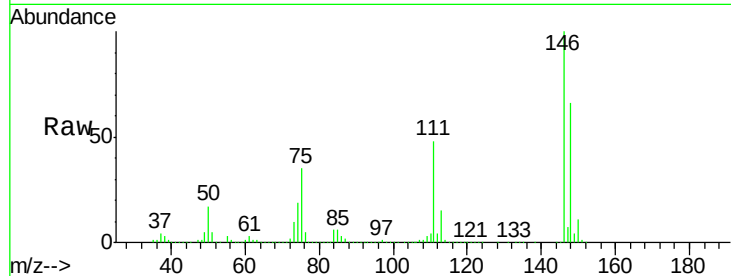
#77
 1,2-Dichlorobenzene
 Concen: 9.481 ppbv
 RT: 17.82 min Scan# 4677
 Delta R.T. -0.01 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 3031036
 Ion Ratio Lower Upper
 146 100
 111 46.4 22.4 67.0
 148 65.4 32.5 97.5

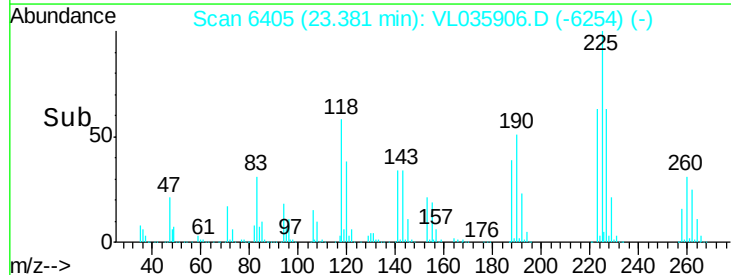
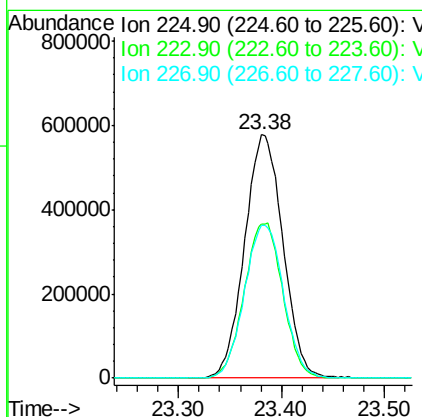
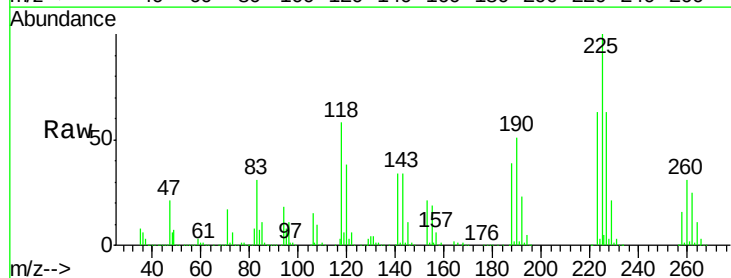
Manual Integrations
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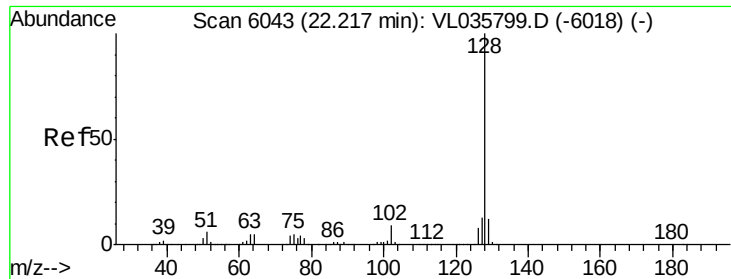
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#78
 Hexachloro-1,3-Butadiene
 Concen: 10.004 ppbv
 RT: 23.38 min Scan# 6405
 Delta R.T. -0.01 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Tgt Ion:225 Resp: 1492247
 Ion Ratio Lower Upper
 225 100
 223 64.3 51.0 76.6
 227 64.4 51.2 76.8





#79

Naphthalene

Concen: 11.540 ppbv

RT: 22.21 min Scan# 6040

Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:128 Resp: 4143424

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

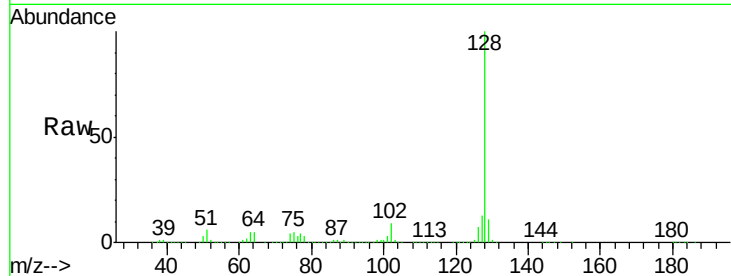
129 11.5 9.2 13.8

Manual Integrations

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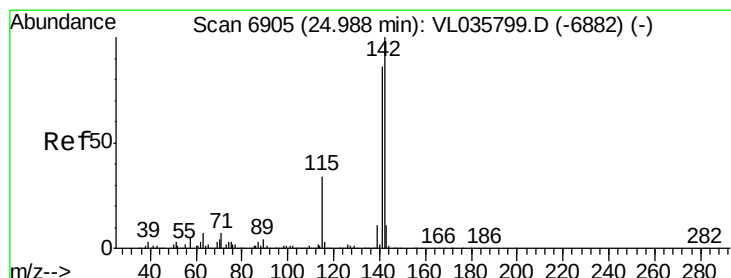
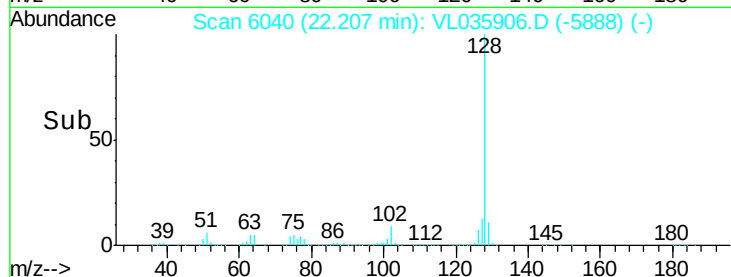
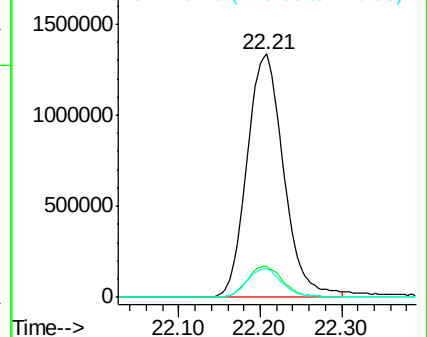
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Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 18.026 ppbv

RT: 24.98 min Scan# 6902

Delta R.T. -0.01 min

Lab File: VL035906.D

Acq: 11 Nov 2020 10:08

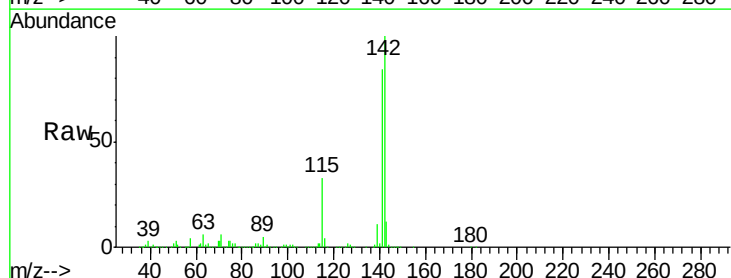
Tgt Ion:142 Resp: 1054717

Ion Ratio Lower Upper

142 100

141 84.4 67.8 101.8

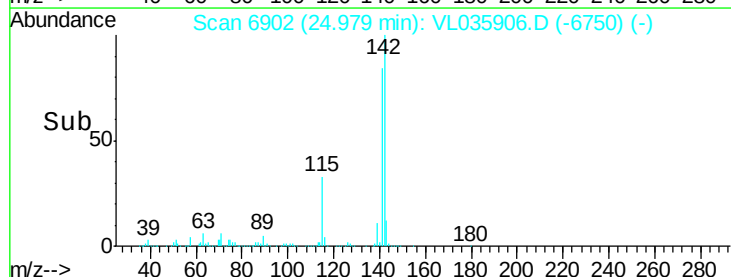
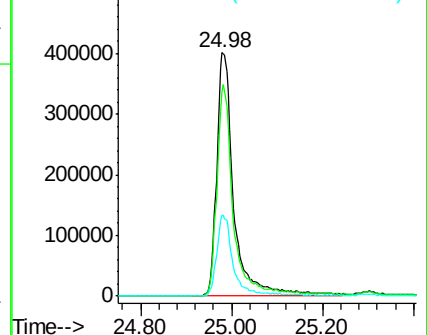
115 31.6 28.1 42.1

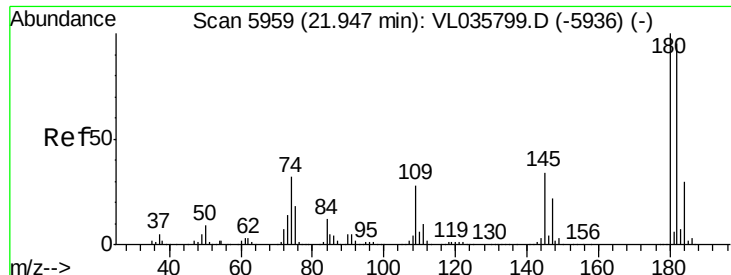


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 10.335 ppbv
 RT: 21.93 min Scan# 5955
 Delta R.T. -0.01 min
 Lab File: VL035906.D
 Acq: 11 Nov 2020 10:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.2	77.2	115.8
184	31.6	24.7	37.1

Manual Integrations
 APPROVED

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