

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051920\
 Data File : VL035042.D
 Acq On : 19 May 2020 12:09
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
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 5/20/2020 4:26:46 PM

Quant Time: May 20 04:58:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1165171	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2700809	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2708726	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2194514	10.01	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1221508	7.387	ppbv 99
3) Chlorodifluoromethane	2.93	51	1201245	9.030	ppbv 100
4) Chloromethane	3.09	50	692727	9.086	ppbv 99
5) Vinyl Chloride	3.21	62	684921	9.209	ppbv 99
6) Bromomethane	3.43	94	403981	9.097	ppbv 92
7) Chloroethane	3.51	64	245755	9.201	ppbv # 89
8) Dichlorotetrafluoroethane	3.14	85	1518630	8.874	ppbv 100
9) Propene	2.96	41	512095	8.871	ppbv 98
10) Heptane	8.12	43	1404272	9.710	ppbv 99
11) Trichlorofluoromethane	3.91	101	1580733	9.270	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1093188	9.004	ppbv 98
13) Ethanol	3.56	45	160740	8.438	ppbv 98
14) Bromoethene	3.70	108	477120	9.509	ppbv 97
15) Acetone	3.81	43	1244361	8.078	ppbv 100
16) 1,3-Butadiene	3.28	39	618220	9.326	ppbv 100
17) tert-Butyl alcohol	4.25	59	1239745	9.046	ppbv 100
18) 1,1-Dichloroethene	4.25	96	507432	9.633	ppbv 92
19) Isopropyl Alcohol	3.92	45	951647	9.264	ppbv # 99
20) Methylene Chloride	4.31	84	439669	8.622	ppbv 91
21) Allyl Chloride	4.38	41	852697	9.800	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	493323	9.455	ppbv 97
23) Vinyl Acetate	5.04	43	1868187	9.564	ppbv 99
24) 1,1-Dichloroethane	4.98	63	1382055	9.186	ppbv 99
25) Ethyl Acetate	5.65	43	2410892	9.318	ppbv 100
26) Hexane	5.66	57	1067636	9.518	ppbv 100
27) Carbon Disulfide	4.51	76	1263913	9.560	ppbv 99
28) Methyl tert-Butyl Ether	5.00	73	1580572	9.252	ppbv 100
29) Chloroform	5.73	83	1649793	8.989	ppbv 99
30) Cyclohexane	7.12	84	884500	10.218	ppbv 99
31) cis-1,2-Dichloroethene	5.53	61	1077870	9.848	ppbv 97
32) 1,1,1-Trichloroethane	6.50	97	1559728	9.410	ppbv 99
34) 2-Butanone	5.21	43	1574614	9.380	ppbv 99
35) Carbon Tetrachloride	7.01	117	1612242	9.458	ppbv 99
36) Benzene	6.88	78	2133081	9.580	ppbv 99
37) 1,2-Dichloroethane	6.29	62	1306991	9.515	ppbv 99
38) Trichloroethene	7.83	130	817672	9.479	ppbv 99
39) 1,2-Dichloropropane	7.61	63	830917	9.309	ppbv 98
40) 1,4-Dioxane	7.82	88	347452	9.576	ppbv 95
41) Tetrahydrofuran	6.03	42	871277	9.859	ppbv 99
42) Bromodichloromethane	7.79	83	1761676	9.510	ppbv 98
43) Methyl Methacrylate	8.01	69	978191	10.403	ppbv 98

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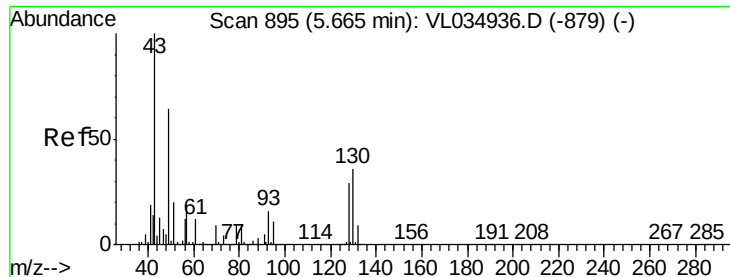
Manual Integrations
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Quant Time: May 20 04:58:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3677784	9.290	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1071490	11.292	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1270631	10.907	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	903541	9.592	ppbv	97
48) Dibromochloromethane	10.31	129	1442218	9.956	ppbv	100
49) Bromoform	13.06	173	1254220	10.063	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2350232	9.819	ppbv	99
51) 2-Hexanone	10.13	43	1937280	10.348	ppbv #	99
52) Tetrachloroethene	11.23	164	731201	9.235	ppbv	99
53) Toluene	9.81	91	2443461	10.352	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1345920	9.730	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.14	131	1082620	8.863	ppbv	97
57) Chlorobenzene	12.16	112	1840621	8.577	ppbv	99
58) Ethyl Benzene	12.73	91	3306982	9.873	ppbv	100
59) m/p-Xylene	12.99	91	5444027m	18.473	ppbv	
60) o-Xylene	13.71	91	2708645	9.314	ppbv	100
61) Styrene	13.55	104	1945878	10.573	ppbv	99
62) Isopropylbenzene	14.69	105	3996617	9.205	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	1917416	8.376	ppbv	99
64) n-propylbenzene	15.58	120	1037519	9.316	ppbv	98
65) tert-Butylbenzene	16.77	119	3417208	9.075	ppbv	100
66) Benzyl Chloride	17.02	91	1271613	9.947	ppbv	98
67) sec-Butylbenzene	17.32	105	4893753	9.104	ppbv	99
69) p-Isopropyltoluene	17.68	119	4004624	9.208	ppbv	99
70) n-Butylbenzene	18.58	91	4232232	9.144	ppbv	99
71) 2-Chlorotoluene	15.47	91	3073603	9.378	ppbv	100
72) 4-Ethyltoluene	15.86	105	3145428	9.695	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	2920883	9.251	ppbv	100
74) 1,2,4-Trimethylbenzene	16.79	105	3041872	8.826	ppbv	99
75) 1,3-Dichlorobenzene	17.03	146	1703987	8.420	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	1738607	9.042	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	1647246	8.639	ppbv	99
78) Hexachloro-1,3-Butadiene	23.41	225	1377516	8.475	ppbv	100
79) Naphthalene	22.24	128	3029262	11.287	ppbv	100
80) Naphthalene, 2-methyl-	25.00	142	1351178	20.481	ppbv	99
81) 1,2,4-Trichlorobenzene	21.97	180	1572884	9.665	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.02 min

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VSTDCCC010

Tot Ion: 49 Resp: 1165171

Ion Ratio Lower Upper

49 100

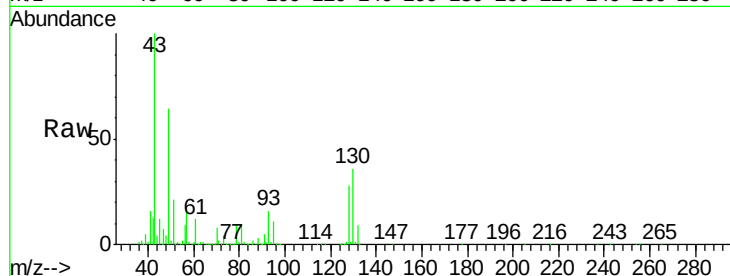
128 45.1 22.1 66.5

130 57.1 29.1 87.3

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.65

800000

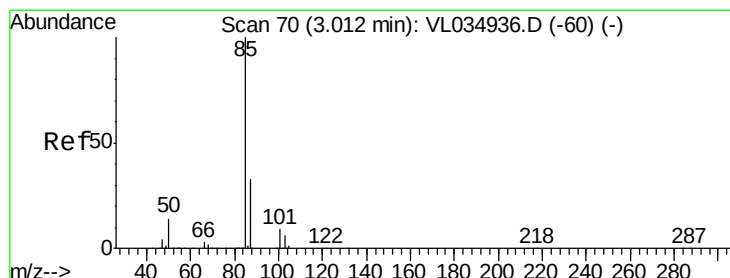
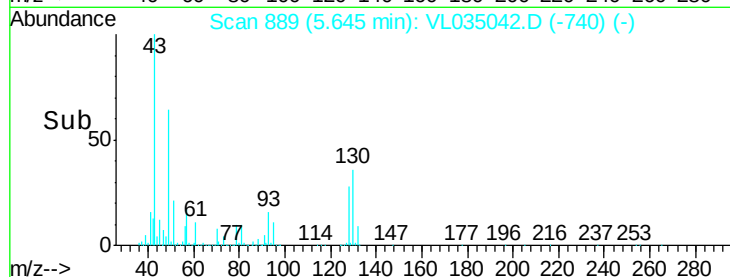
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 7.387 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035042.D

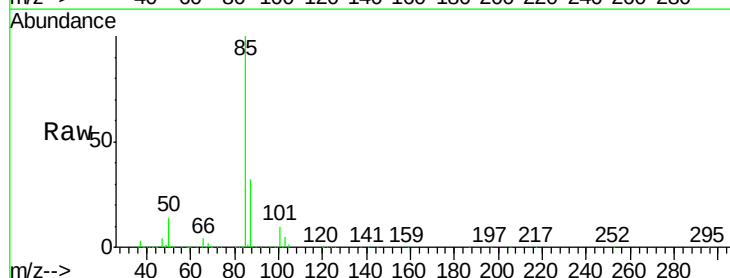
Acq: 19 May 2020 12:09

Tgt Ion: 85 Resp: 1221508

Ion Ratio Lower Upper

85 100

87 32.3 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

1200000

1000000

800000

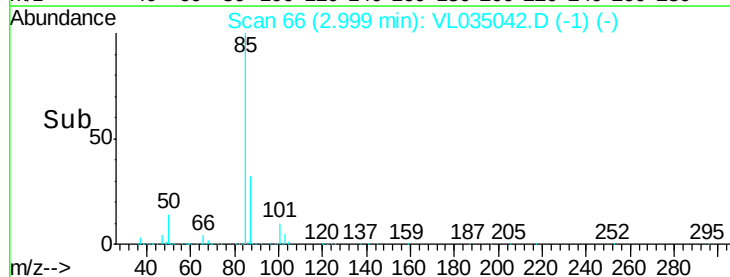
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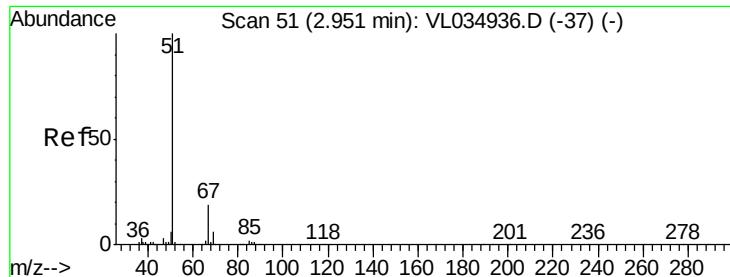
400000

200000

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Time-->





#3

Chlorodifluoromethane

Concen: 9.030 ppbv

RT: 2.93 min Scan# 46

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Tot Ion: 51 Resp: 1201245

Ion Ratio Lower Upper

51 100

67 18.9 15.0 22.6

Instrument :

MSVOA_L

ClientSampleId :

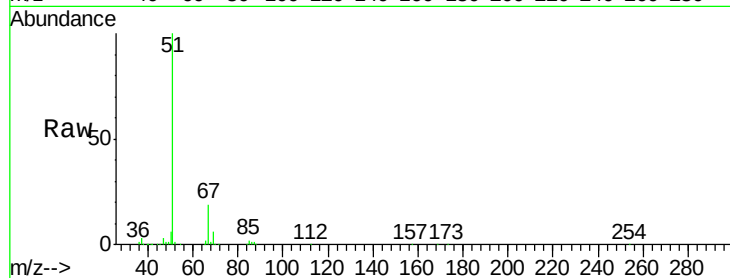
VSTDCCC010

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.93

1000000

800000

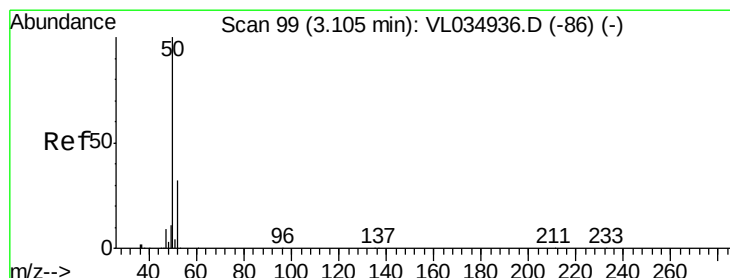
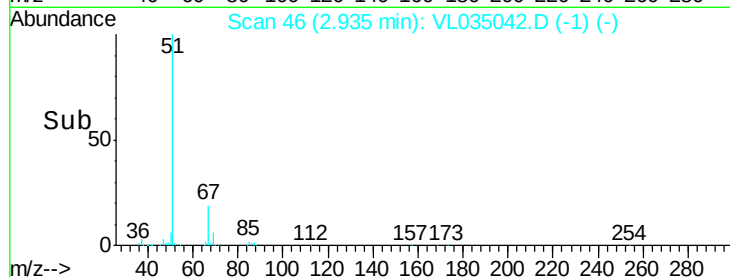
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 9.086 ppbv

RT: 3.09 min Scan# 94

Delta R.T. -0.02 min

Lab File: VL035042.D

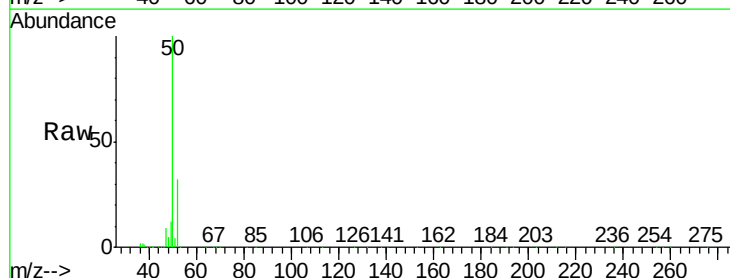
Acq: 19 May 2020 12:09

Tgt Ion: 50 Resp: 692727

Ion Ratio Lower Upper

50 100

52 32.1 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.09

600000

500000

400000

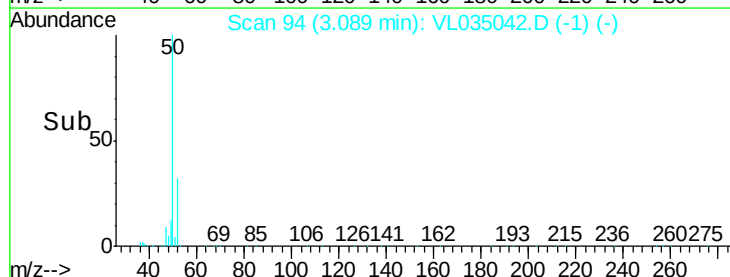
300000

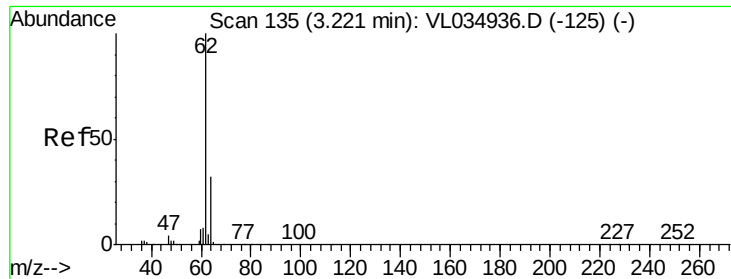
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 9.209 ppbv

RT: 3.21 min Scan# 131

Delta R.T. -0.01 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 684921

Ion Ratio Lower Upper

62 100

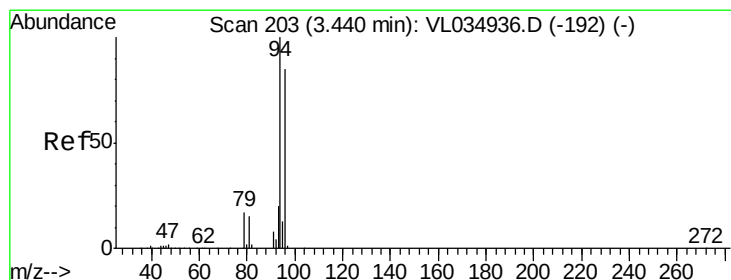
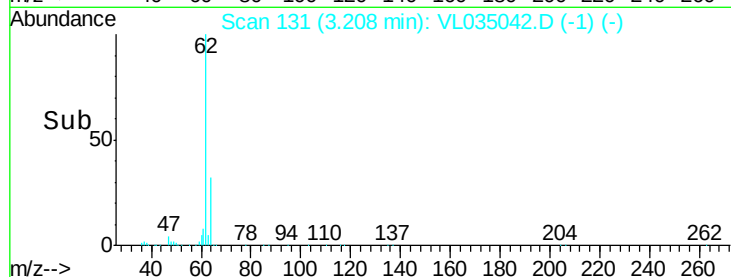
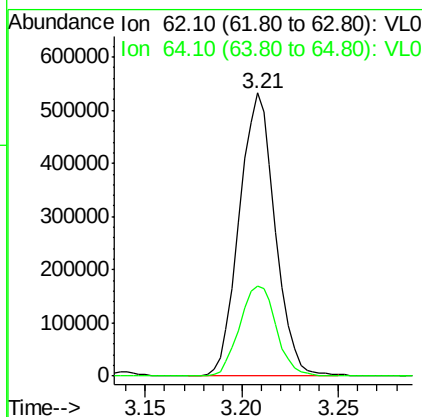
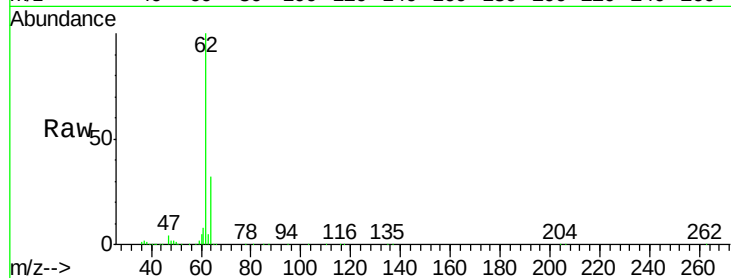
64 31.6 25.7 38.5

Manual Integrations

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#6

Bromomethane

Concen: 9.097 ppbv

RT: 3.43 min Scan# 199

Delta R.T. -0.01 min

Lab File: VL035042.D

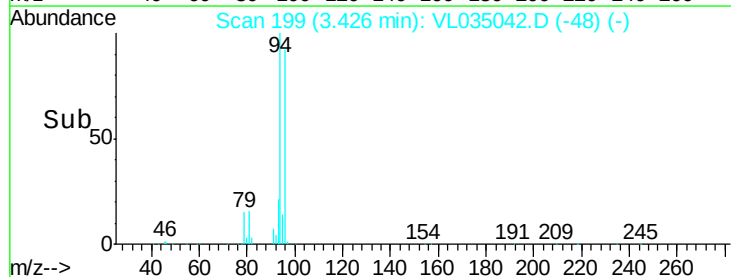
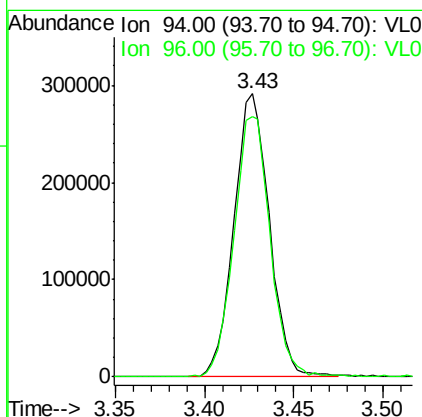
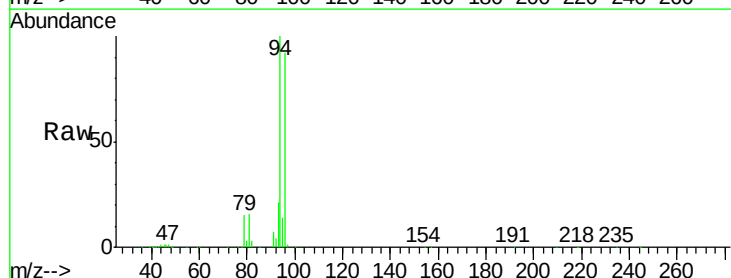
Acq: 19 May 2020 12:09

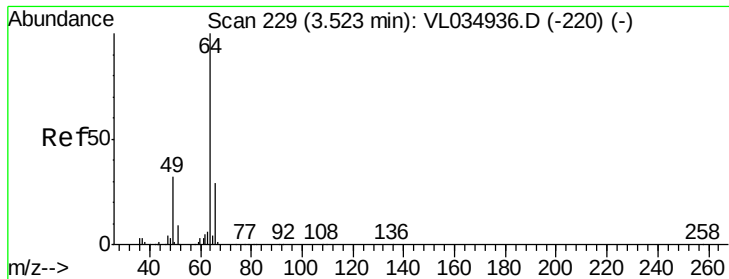
Tgt Ion: 94 Resp: 403981

Ion Ratio Lower Upper

94 100

96 91.8 67.9 101.9





#7

Chloroethane

Concen: 9.201 ppbv

RT: 3.51 min Scan# 225

Delta R.T. -0.01 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 245755

Ion Ratio Lower Upper

64 100

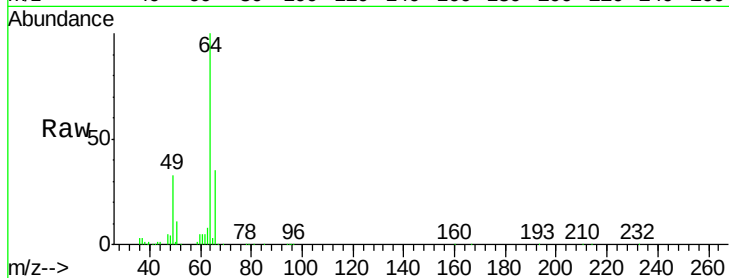
66 34.9 23.2 34.8#

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.51

200000

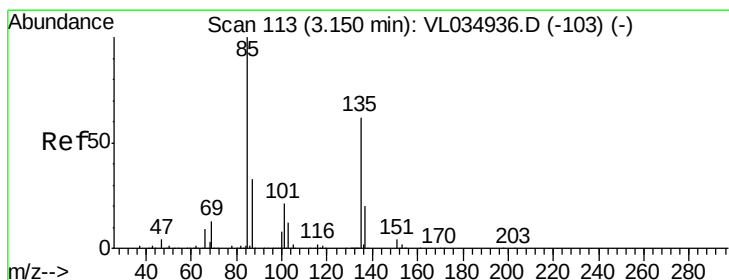
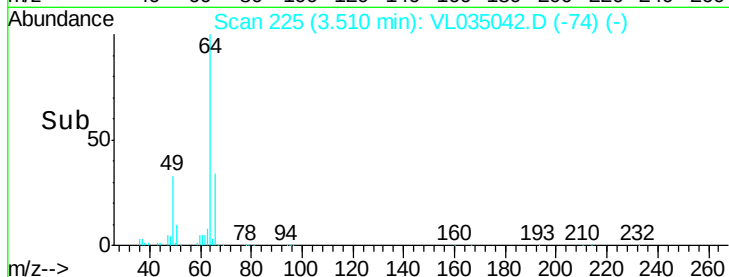
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.874 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL035042.D

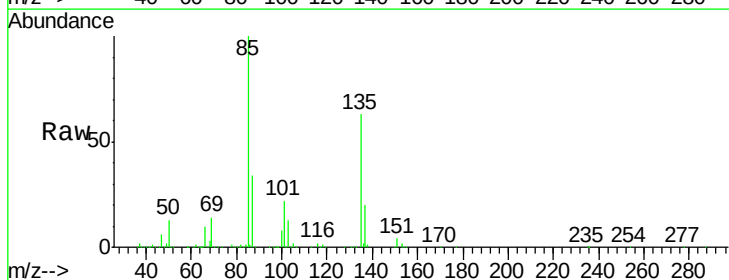
Acq: 19 May 2020 12:09

Tgt Ion: 85 Resp: 1518630

Ion Ratio Lower Upper

85 100

135 63.5 50.9 76.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

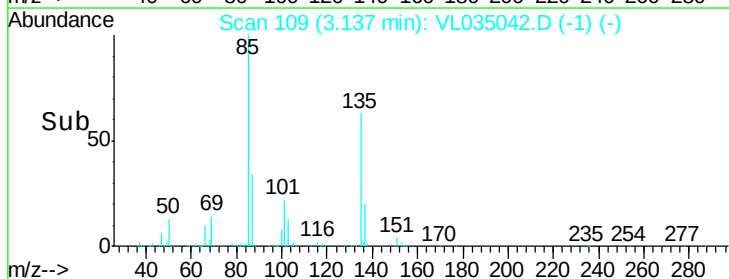
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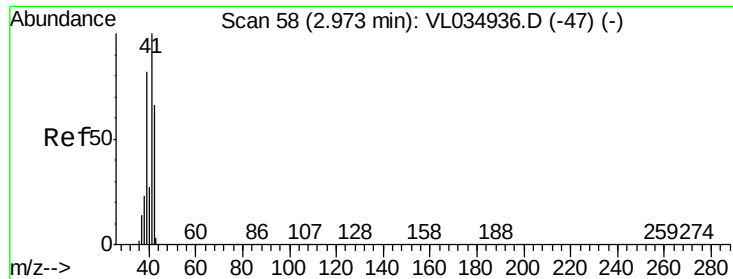
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500000

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Time-->





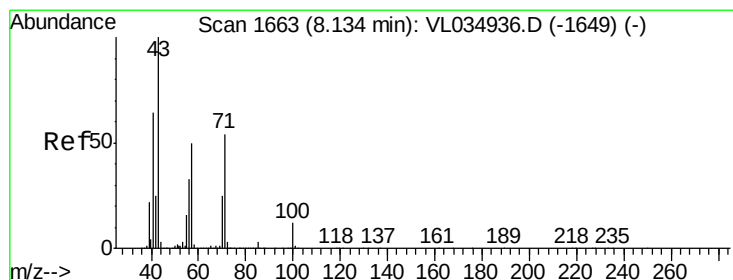
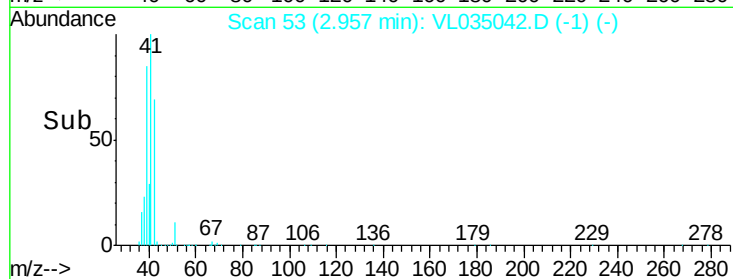
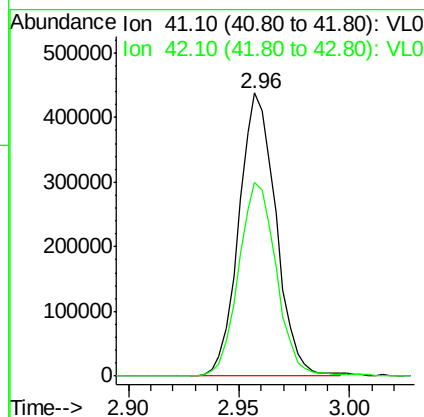
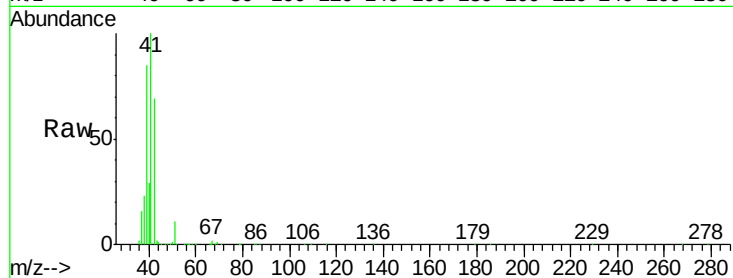
#9
 Propene
 Concen: 8.871 ppbv
 RT: 2.96 min Scan# 53
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 41 Resp: 512095
 Ion Ratio Lower Upper
 41 100
 42 70.0 54.5 81.7

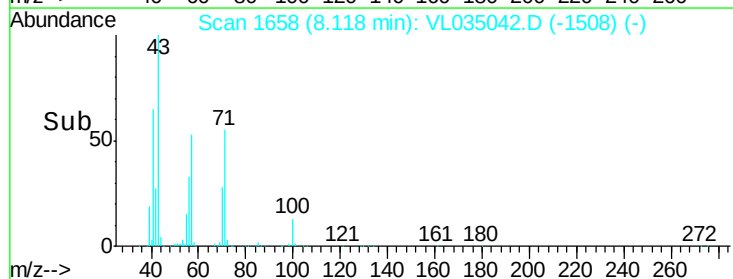
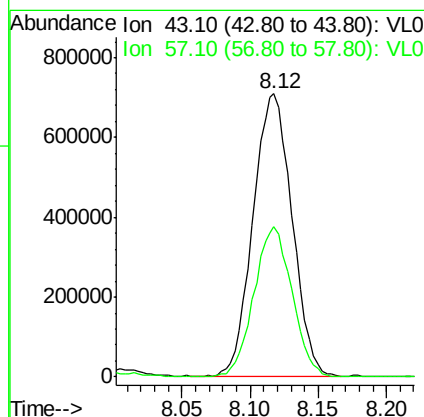
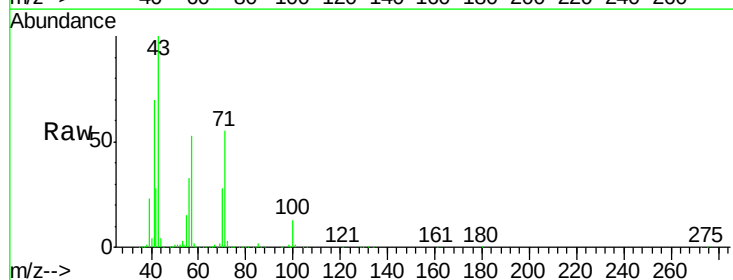
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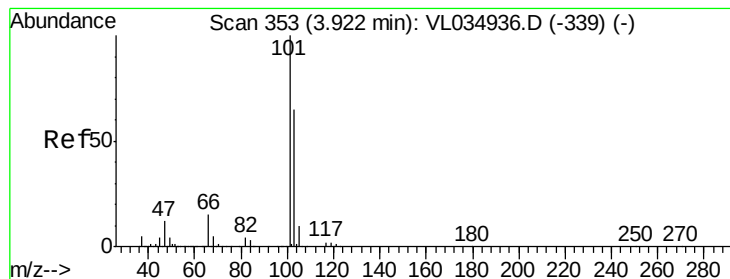
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#10
 Heptane
 Concen: 9.710 ppbv
 RT: 8.12 min Scan# 1658
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Tgt Ion: 43 Resp: 1404272
 Ion Ratio Lower Upper
 43 100
 57 52.0 41.1 61.7





#11

Trichlorofluoromethane

Concen: 9.270 ppbv

RT: 3.91 min Scan# 349

Delta R.T. -0.01 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:101 Resp: 1580733

Ion Ratio Lower Upper

101 100

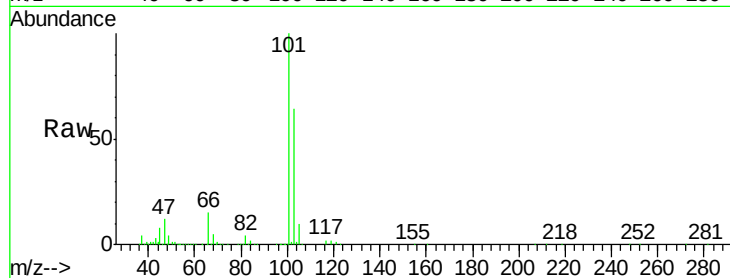
103 63.9 51.9 77.9

Manual Integrations

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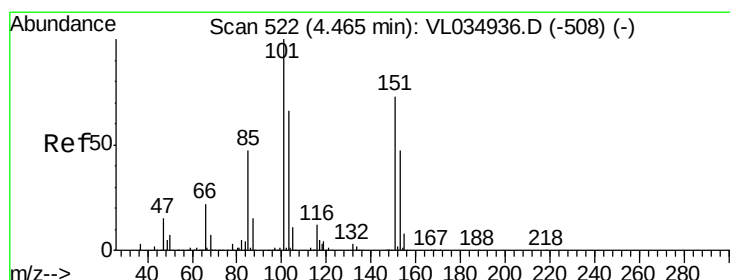
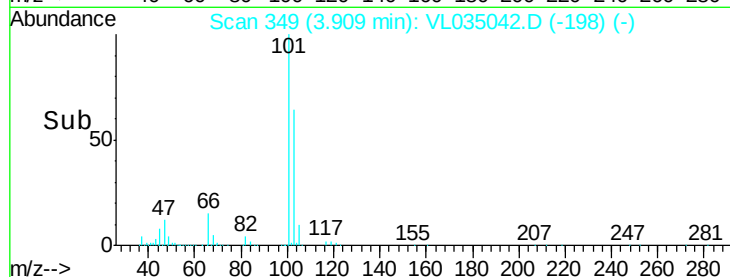
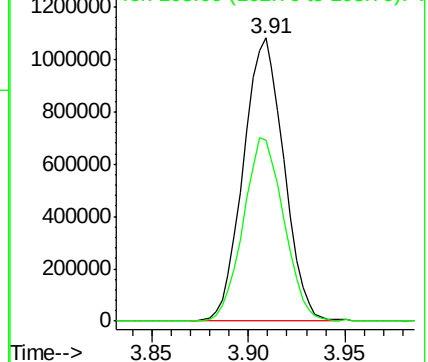
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.004 ppbv

RT: 4.45 min Scan# 516

Delta R.T. -0.02 min

Lab File: VL035042.D

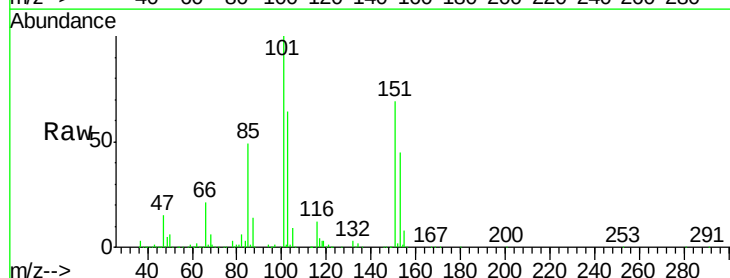
Acq: 19 May 2020 12:09

Tgt Ion:101 Resp: 1093188

Ion Ratio Lower Upper

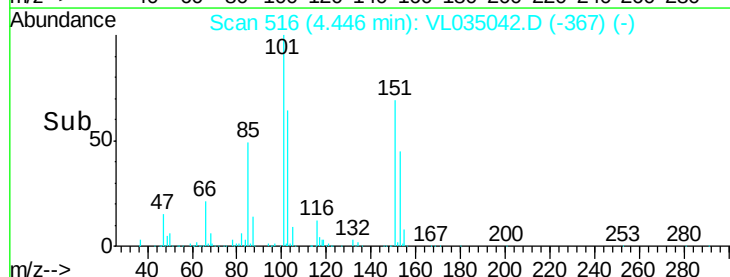
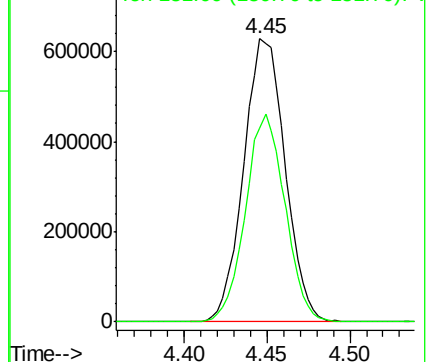
101 100

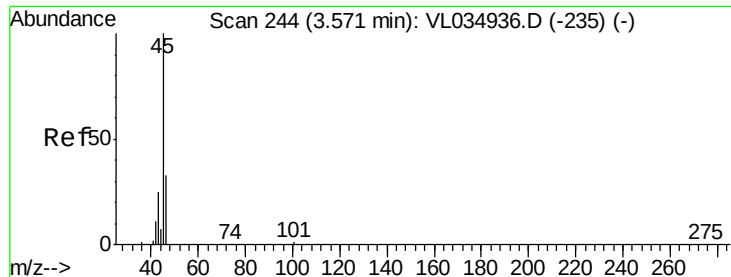
151 70.2 57.6 86.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





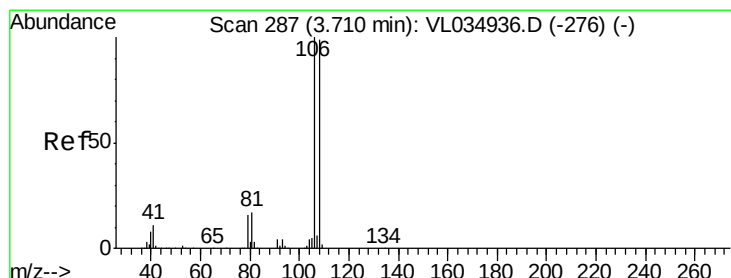
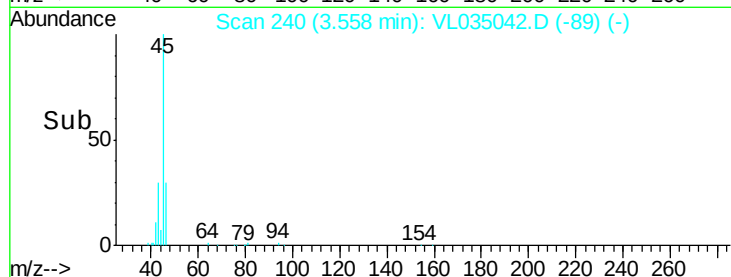
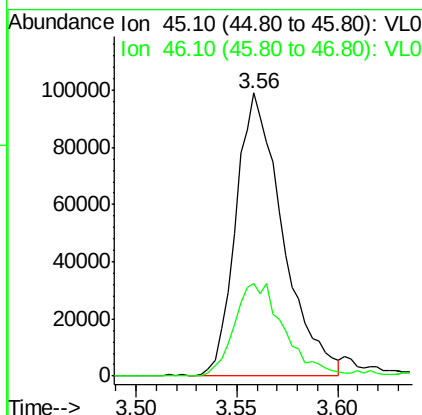
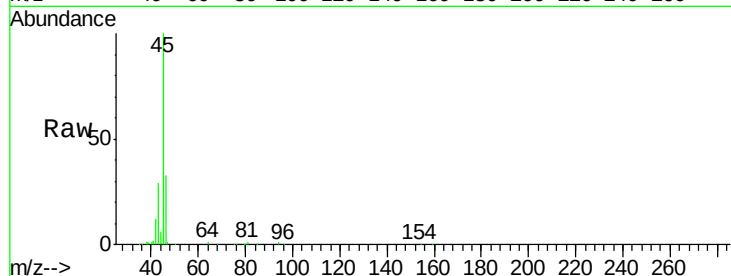
#13
Ethanol
Concen: 8.438 ppbv
RT: 3.56 min Scan# 240
Delta R.T. -0.01 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.9	14.3	57.3

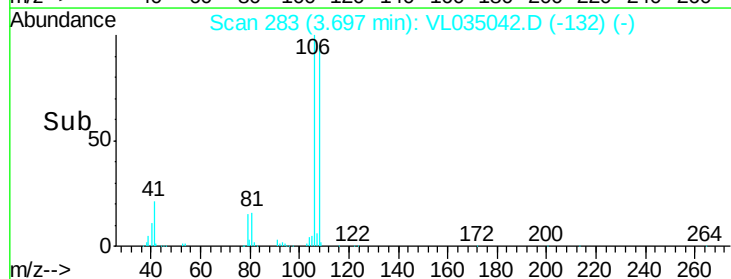
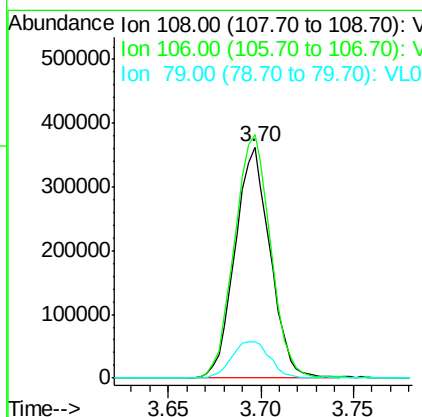
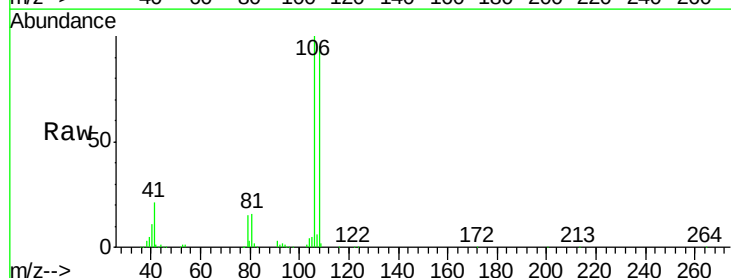
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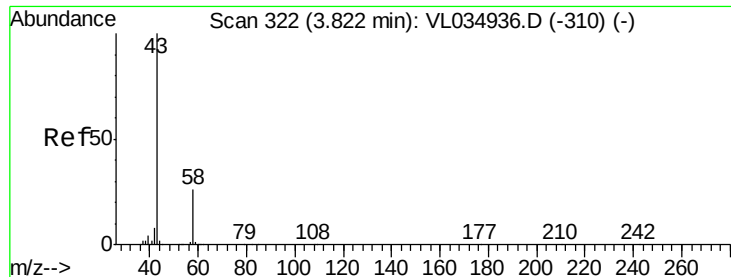
MMDadoda
5/20/2020 4:26:46 PM



#14
Bromoethene
Concen: 9.509 ppbv
RT: 3.70 min Scan# 283
Delta R.T. -0.01 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

Tgt Ion	Ratio	Lower	Upper
108	100		
106	109.4	84.9	127.3
79	17.5	14.1	21.1





#15

Acetone

Concen: 8.078 ppbv

RT: 3.81 min Scan# 317

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1244361

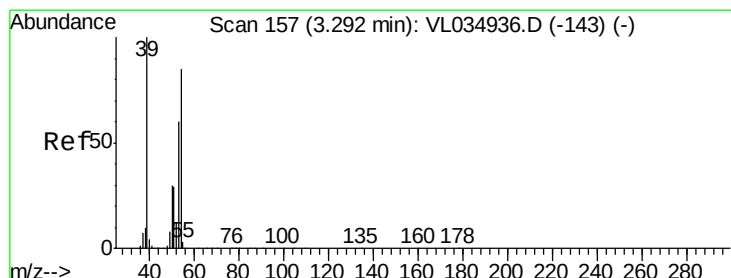
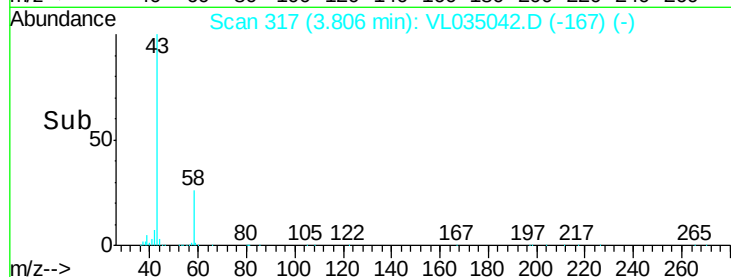
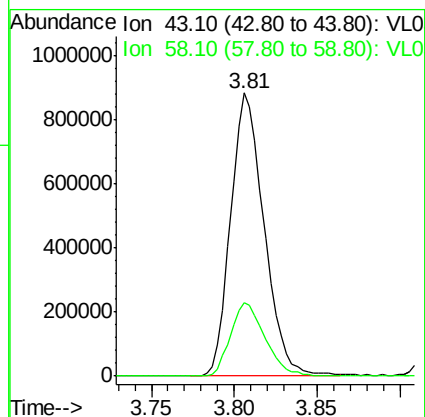
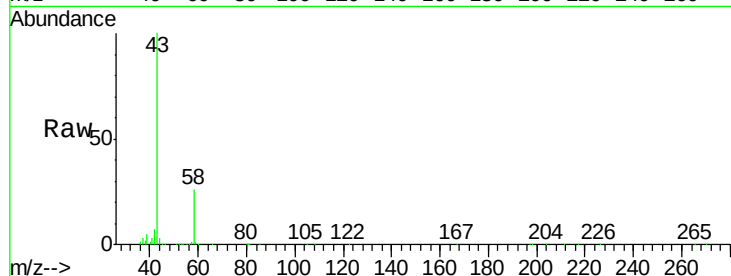
Ion Ratio Lower Upper

43 100

58 26.9 21.7 32.5

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#16

1,3-Butadiene

Concen: 9.326 ppbv

RT: 3.28 min Scan# 153

Delta R.T. -0.01 min

Lab File: VL035042.D

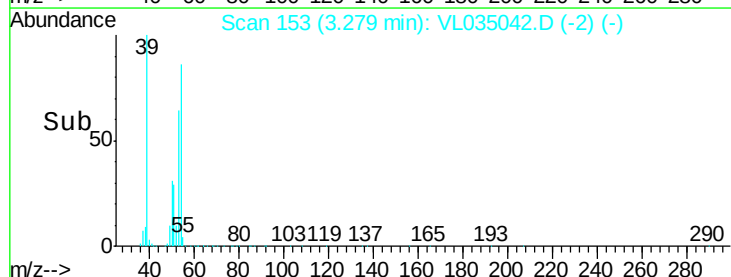
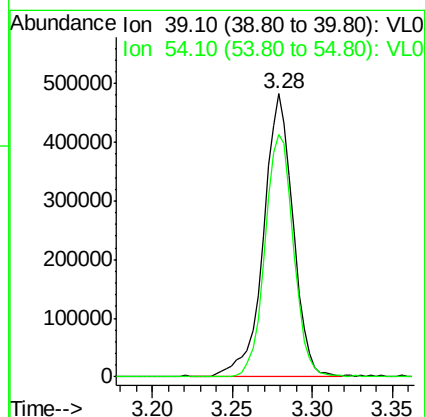
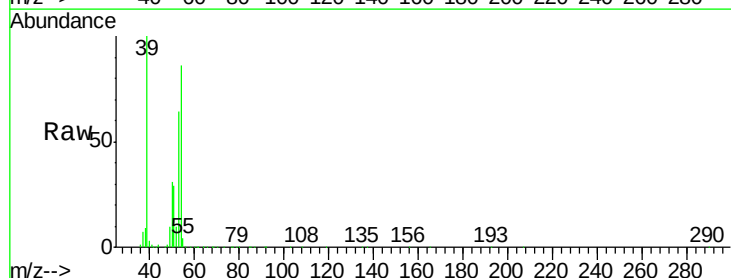
Acq: 19 May 2020 12:09

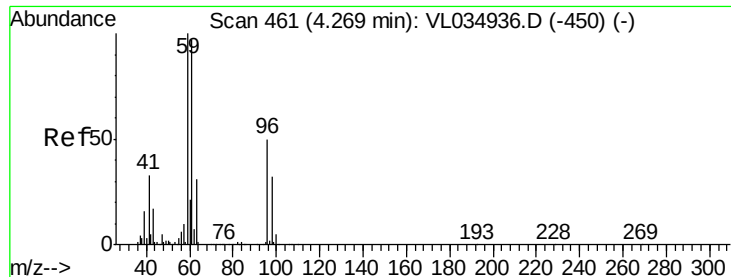
Tgt Ion: 39 Resp: 618220

Ion Ratio Lower Upper

39 100

54 83.3 66.6 100.0





#17

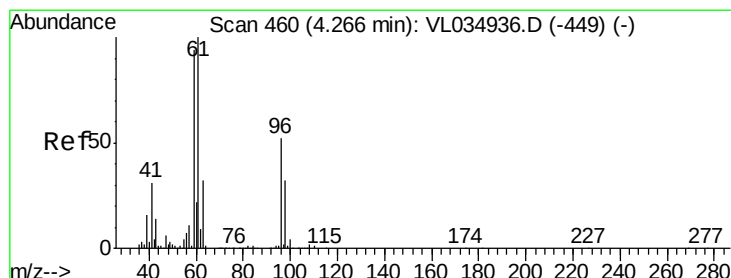
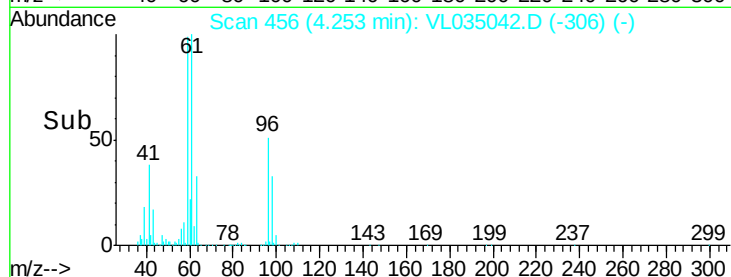
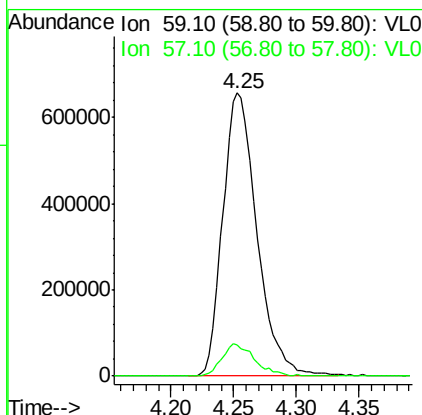
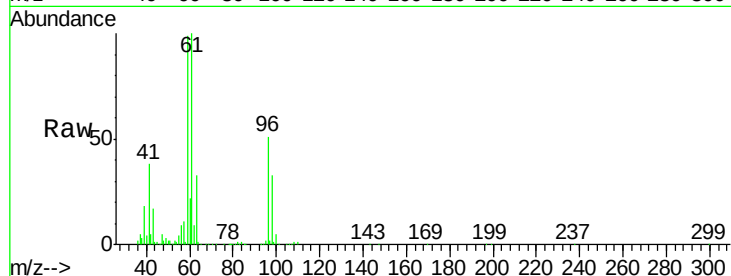
tert-Butyl alcohol
Concen: 9.046 ppbv
RT: 4.25 min Scan# 456
Delta R.T. -0.02 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1239745
Ion Ratio Lower Upper
59 100
57 11.1 8.7 13.1

Manual Integrations
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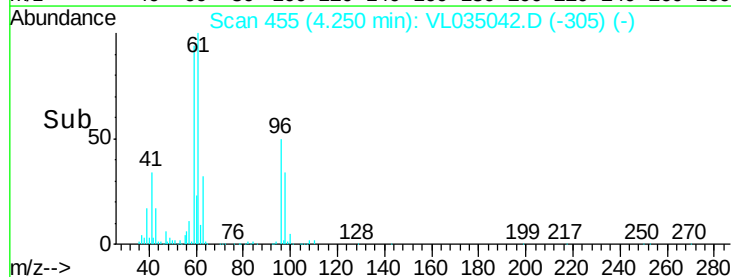
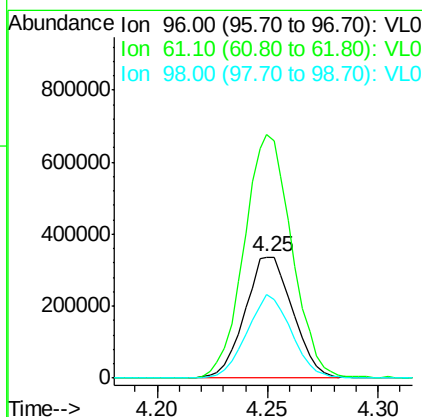
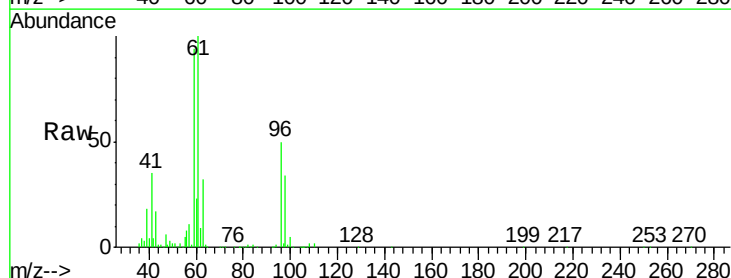
MMDadoda
5/20/2020 4:26:46 PM

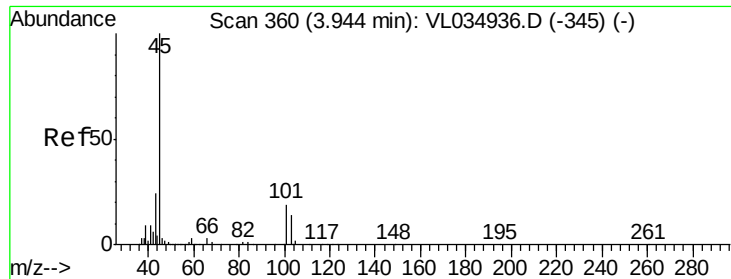


#18

1,1-Dichloroethene
Concen: 9.633 ppbv
RT: 4.25 min Scan# 455
Delta R.T. -0.02 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

Tgt Ion: 96 Resp: 507432
Ion Ratio Lower Upper
96 100
61 200.6 152.4 228.6
98 69.2 48.8 73.2





#19

Isopropyl Alcohol

Concen: 9.264 ppbv

RT: 3.92 min Scan# 354

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 951647

Ion Ratio Lower Upper

45 100

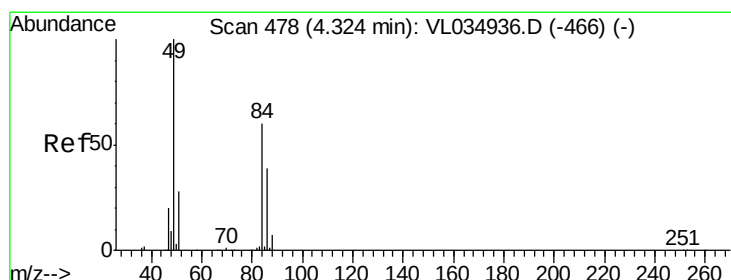
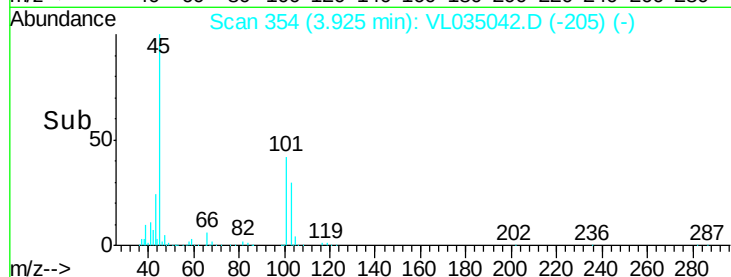
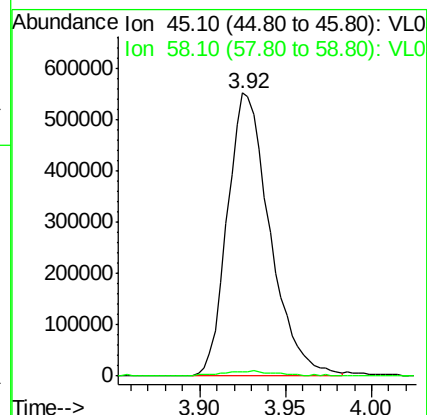
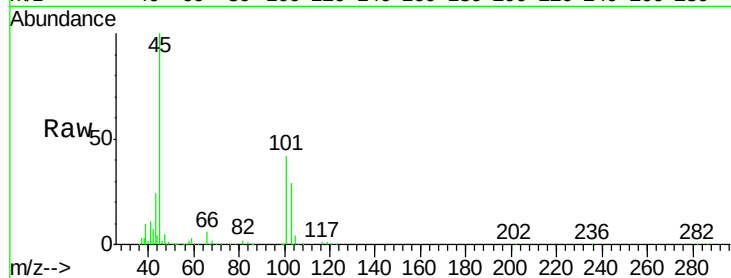
58 2.5 1.7 2.5#

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#20

Methylene Chloride

Concen: 8.622 ppbv

RT: 4.31 min Scan# 473

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Tgt Ion: 84 Resp: 439669

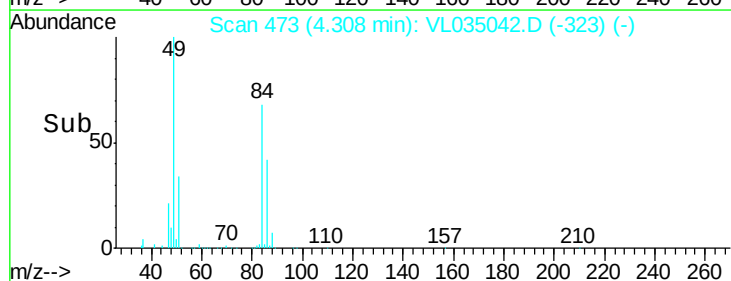
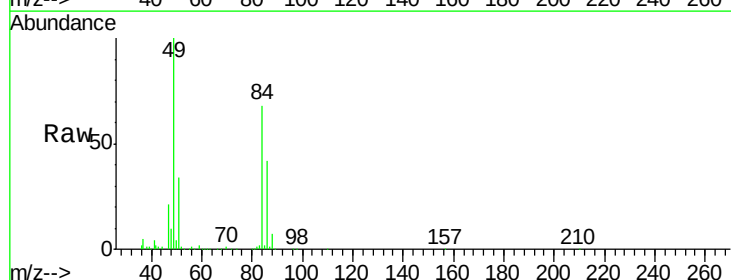
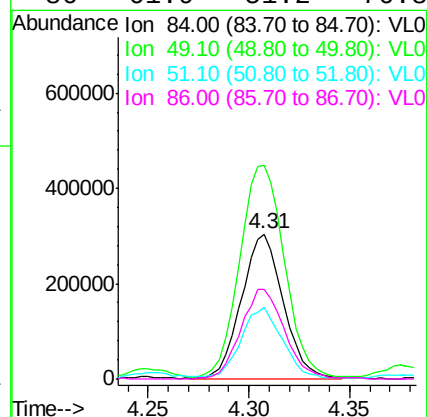
Ion Ratio Lower Upper

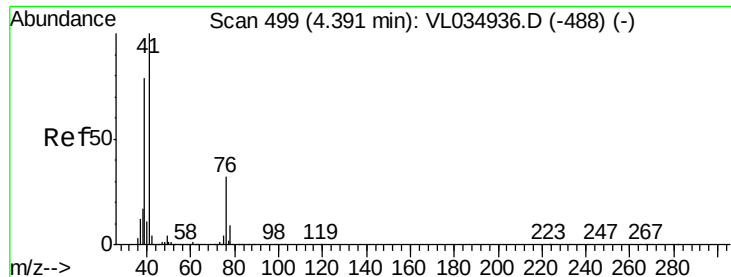
84 100

49 146.9 132.5 198.7

51 49.1 38.4 57.6

86 61.9 51.2 76.8





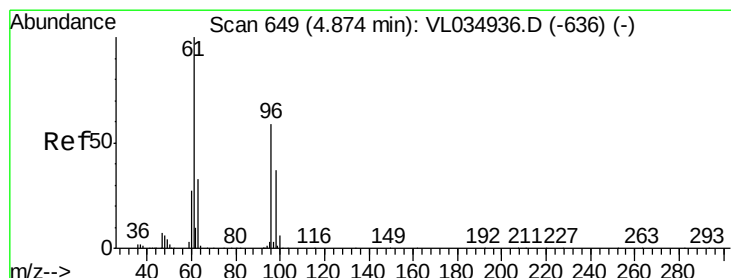
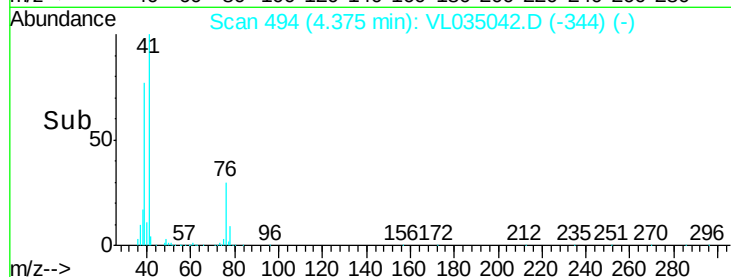
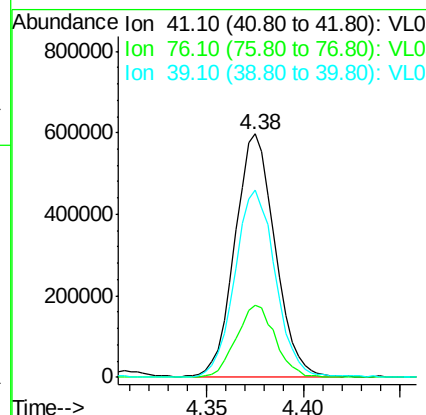
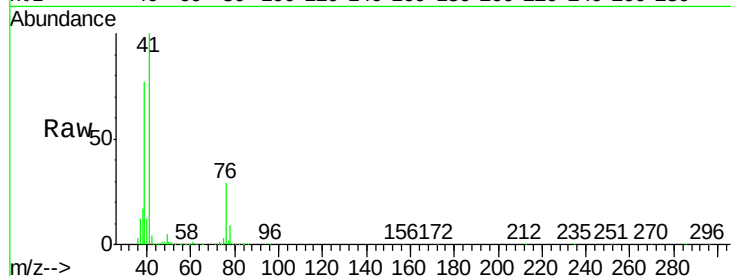
#21
Allvl Chloride
Concen: 9.800 ppbv
RT: 4.38 min Scan# 494
Delta R.T. -0.02 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.2	23.6	35.4
39	78.7	61.9	92.9

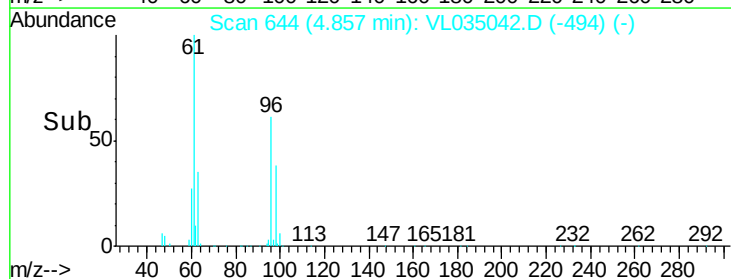
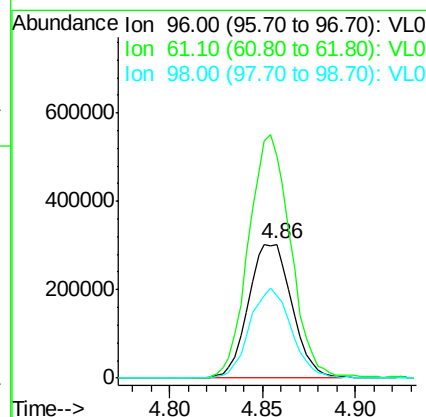
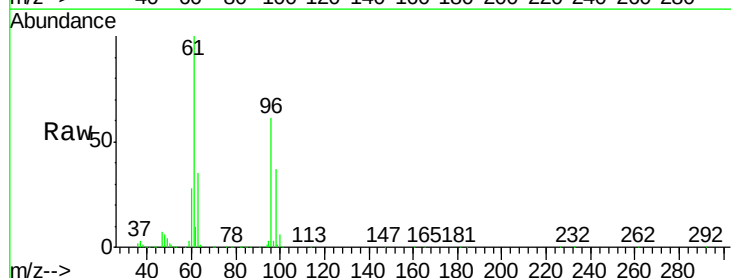
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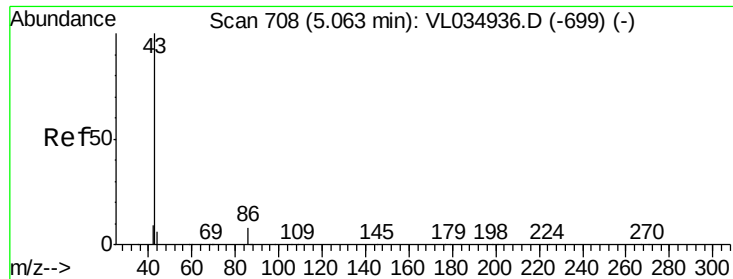
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#22
trans-1,2-Dichloroethene
Concen: 9.455 ppbv
RT: 4.86 min Scan# 644
Delta R.T. -0.02 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.3	135.3	202.9
98	61.7	50.4	75.6





#23

Vinyl Acetate

Concen: 9.564 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Tot Ion: 43 Resp: 1868187

Ion Ratio Lower Upper

43 100

86 7.6 5.5 8.3

42 10.0 8.0 12.0

44 5.9 4.5 6.7

Instrument :

MSVOA_L

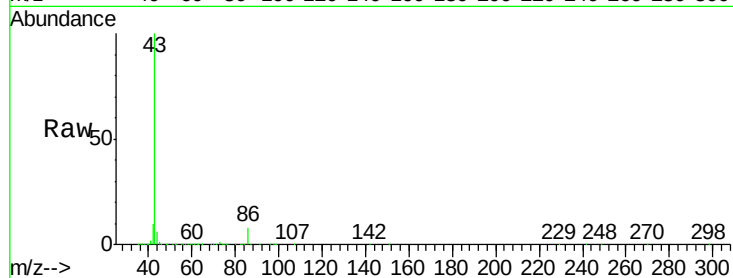
ClientSampleId :

VSTDCCC010

Manual Integrations
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5/20/2020 4:26:46 PM

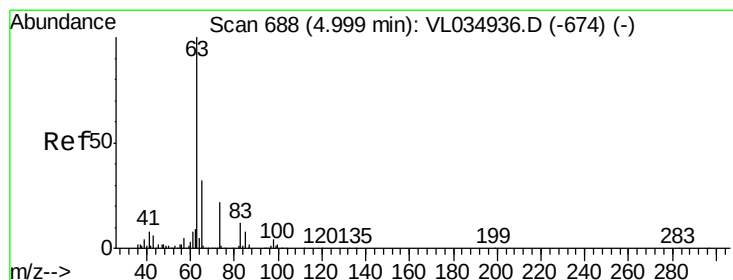
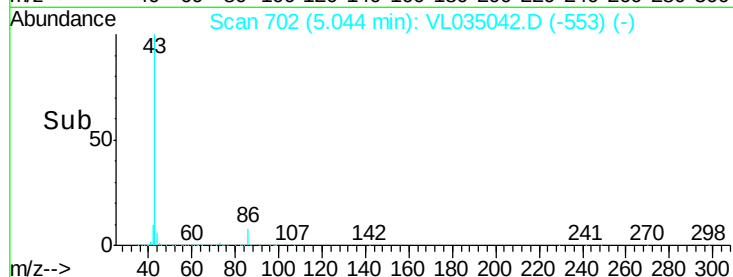
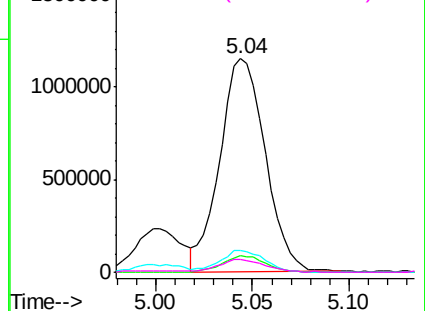


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.186 ppbv

RT: 4.98 min Scan# 683

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

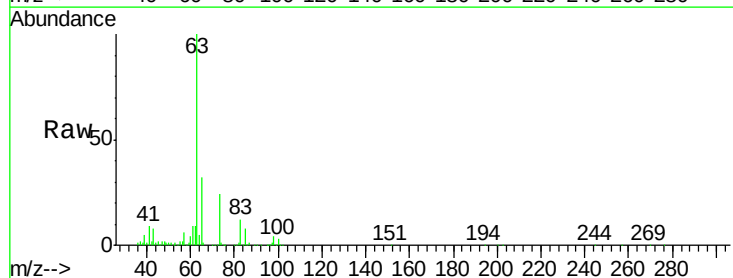
Tgt Ion: 63 Resp: 1382055

Ion Ratio Lower Upper

63 100

98 4.3 2.0 6.0

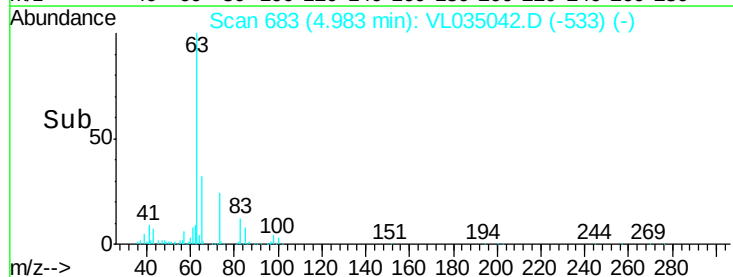
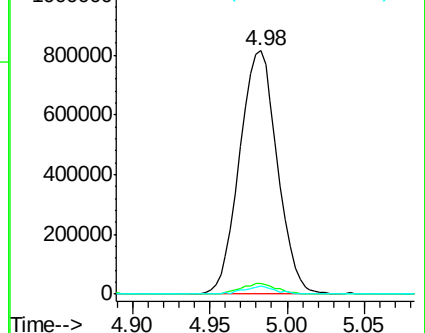
100 3.1 1.1 3.5

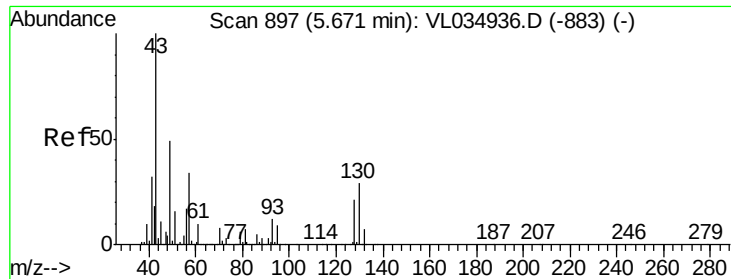


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





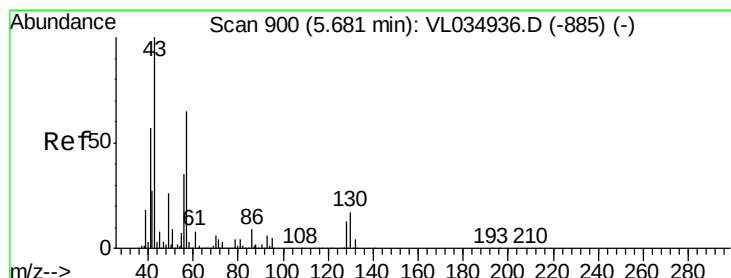
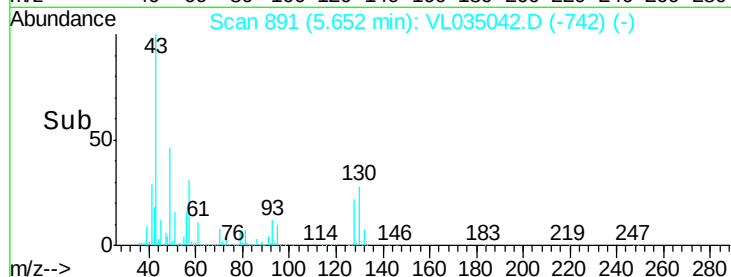
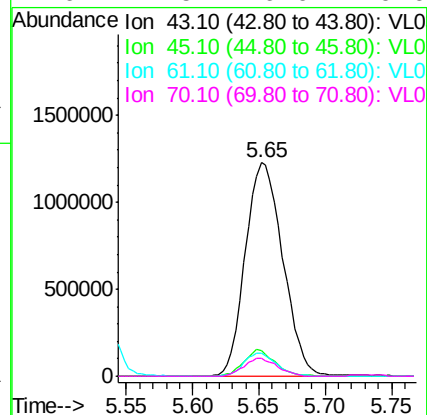
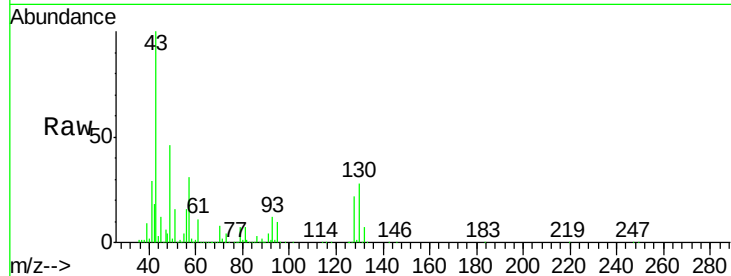
#25
Ethyl Acetate
Concen: 9.318 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.02 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	43	Resp	2410892
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.1	12.1
61	9.7	7.8	11.8
70	7.5	6.0	9.0

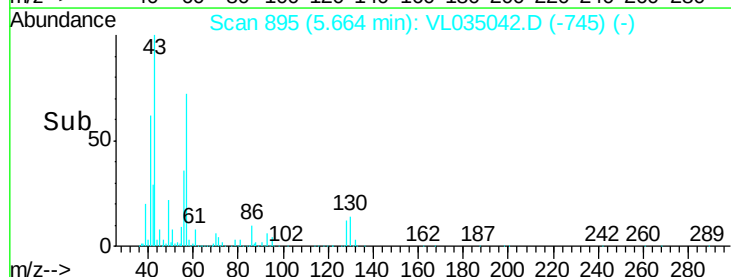
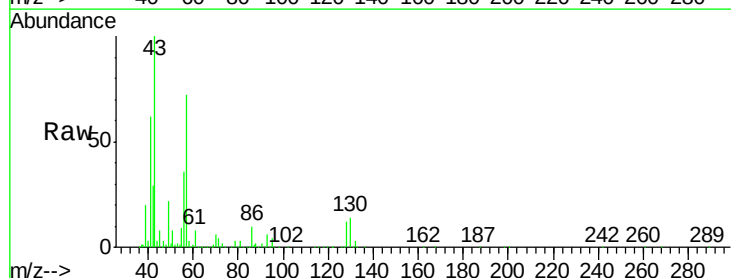
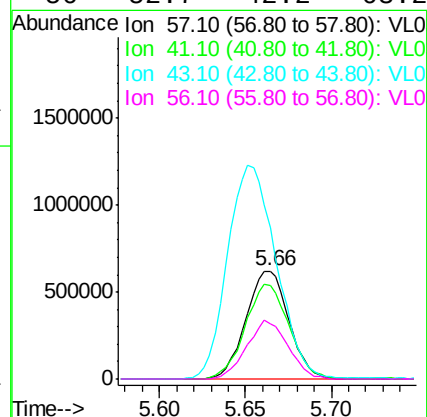
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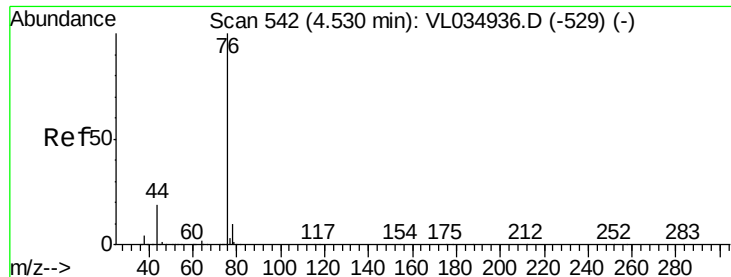
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#26
Hexane
Concen: 9.518 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

Tgt Ion	57	Resp	1067636
Ion	Ratio	Lower	Upper
57	100		
41	92.0	72.7	109.1
43	227.7	182.1	273.1
56	52.7	42.2	63.2





#27

Carbon Disulfide

Concen: 9.560 ppbv

RT: 4.51 min Scan# 537

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1263913

Ion Ratio Lower Upper

76 100

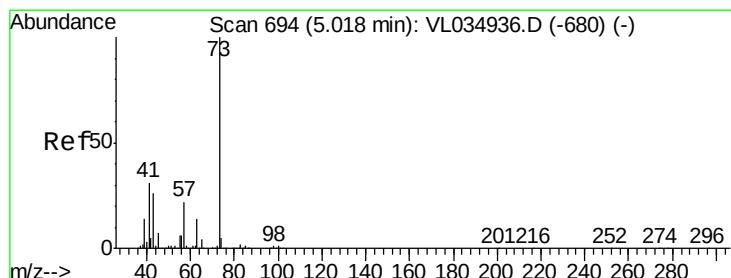
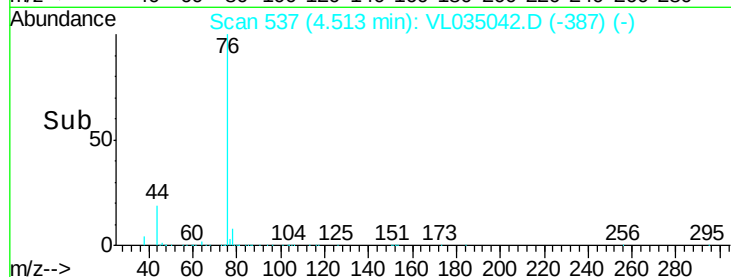
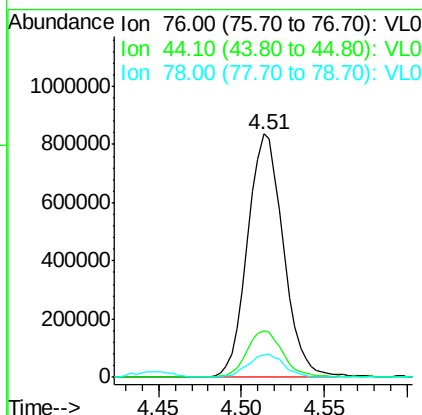
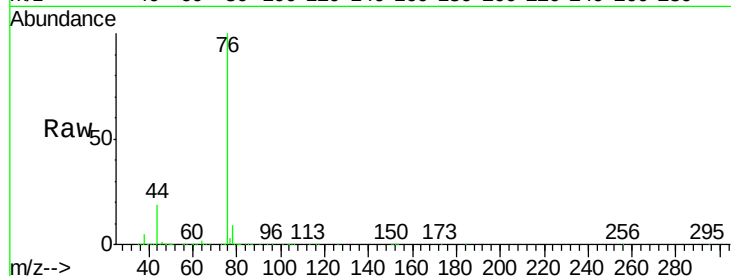
44 19.5 15.2 22.8

78 9.6 7.7 11.5

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 9.252 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.02 min

Lab File: VL035042.D

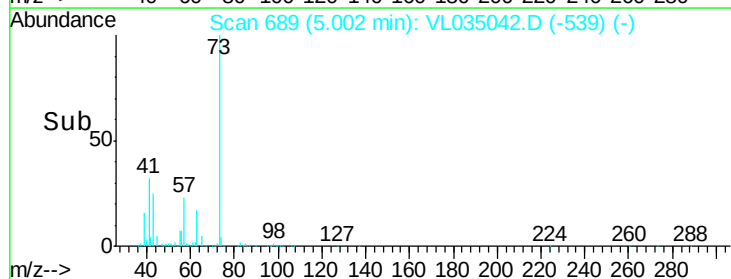
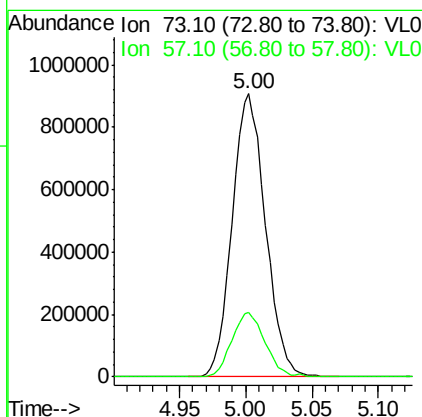
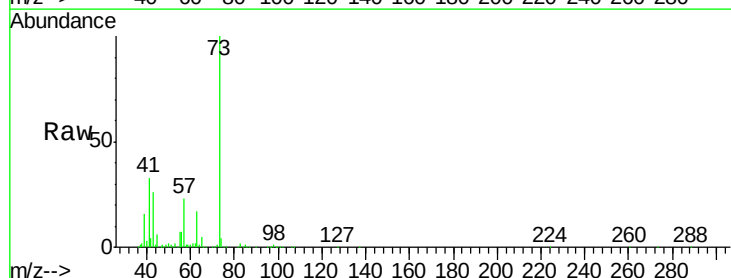
Acq: 19 May 2020 12:09

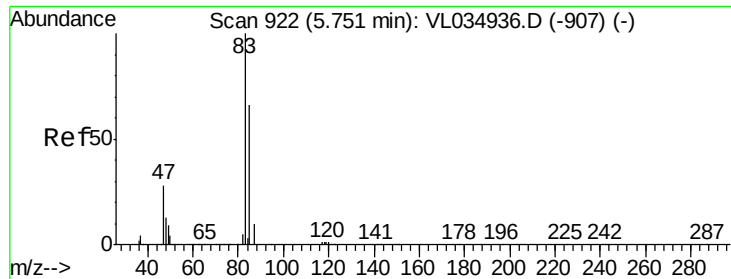
Tgt Ion: 73 Resp: 1580572

Ion Ratio Lower Upper

73 100

57 22.9 18.3 27.5





#29

Chloroform

Concen: 8.989 ppbv

RT: 5.73 min Scan# 916

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 1649793

Ion Ratio Lower Upper

83 100

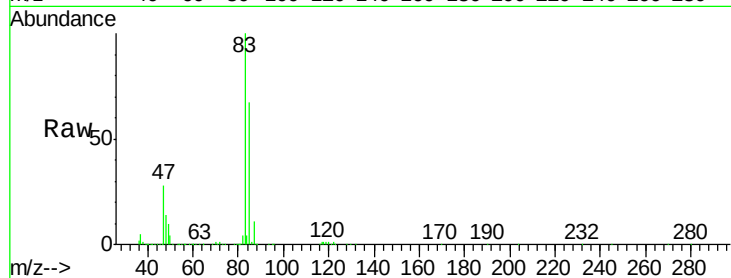
85 66.8 53.0 79.6

Manual Integrations

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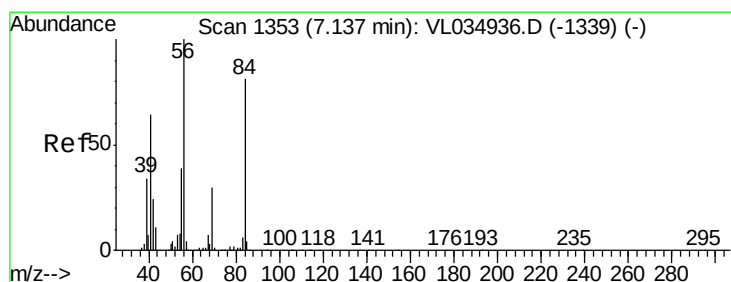
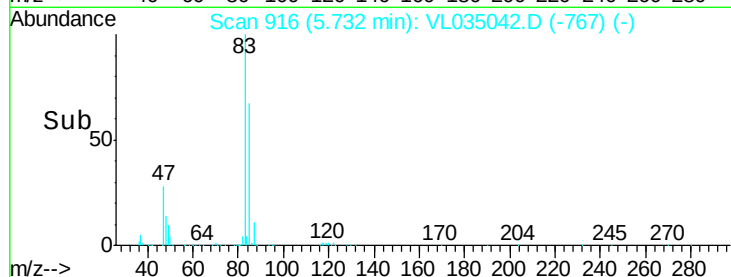
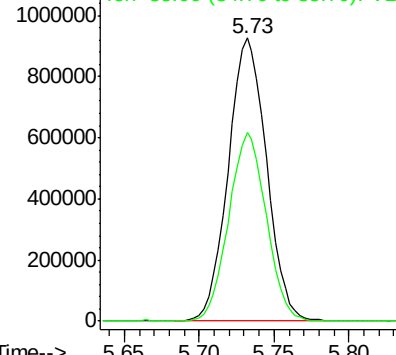
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 10.218 ppbv

RT: 7.12 min Scan# 1347

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

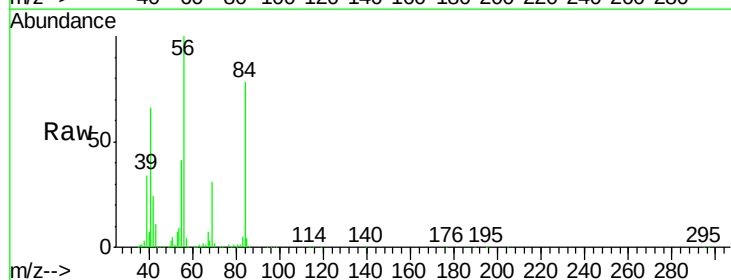
Tgt Ion: 84 Resp: 884500

Ion Ratio Lower Upper

84 100

56 137.3 111.4 167.2

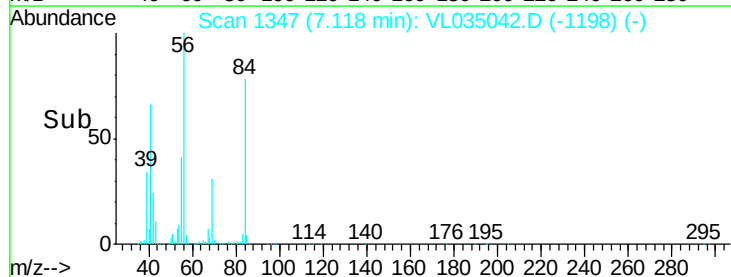
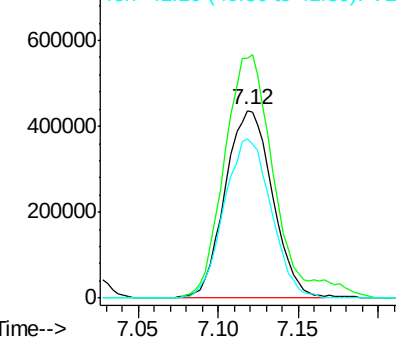
41 84.1 66.7 100.1

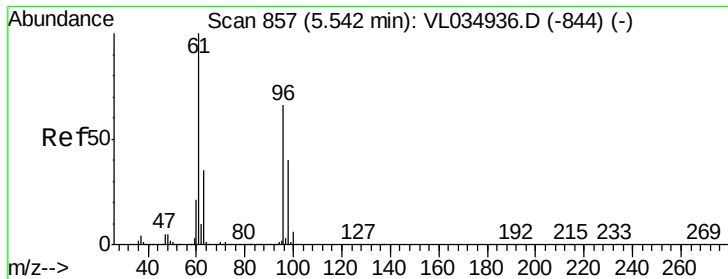


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#31

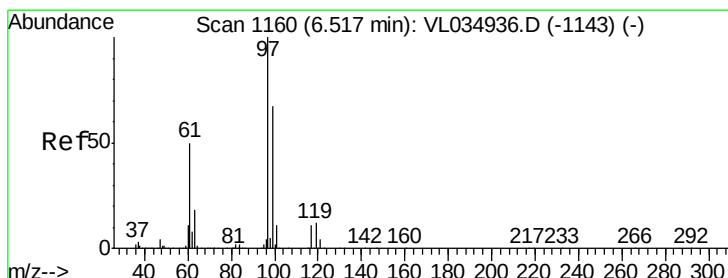
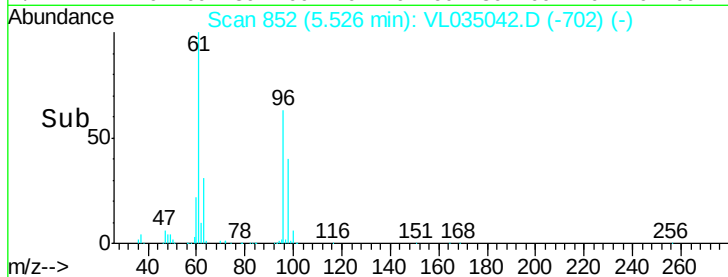
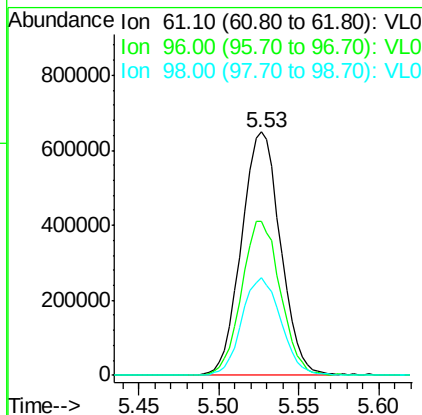
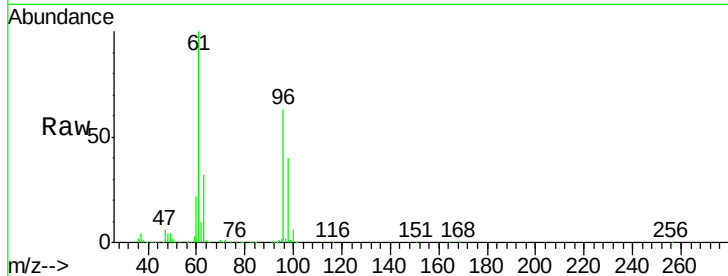
cis-1,2-Dichloroethene
Concen: 9.848 ppbv
RT: 5.53 min Scan# 852
Delta R.T. -0.02 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.9	53.0	79.6
98	40.3	32.2	48.2

Manual Integrations
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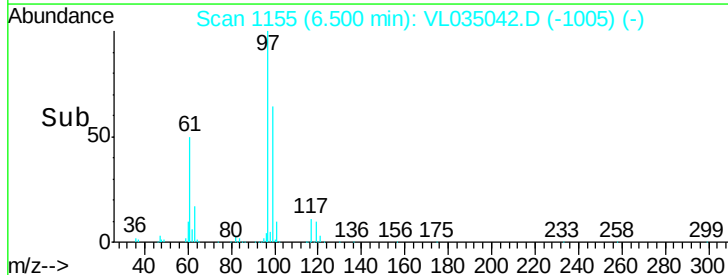
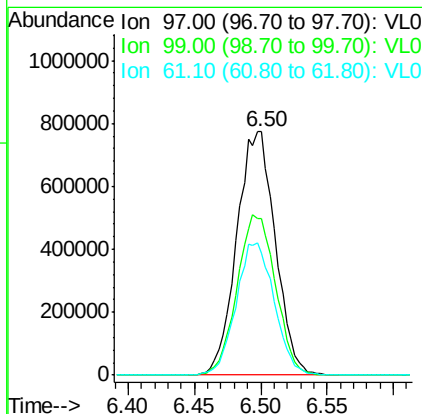
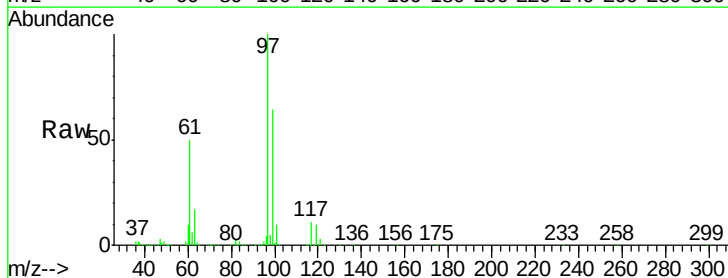
MMDadoda
5/20/2020 4:26:46 PM

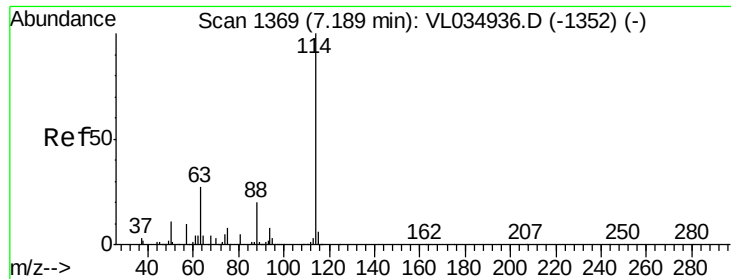


#32

1,1,1-Trichloroethane
Concen: 9.410 ppbv
RT: 6.50 min Scan# 1155
Delta R.T. -0.02 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	52.1	78.1
61	53.7	41.8	62.8





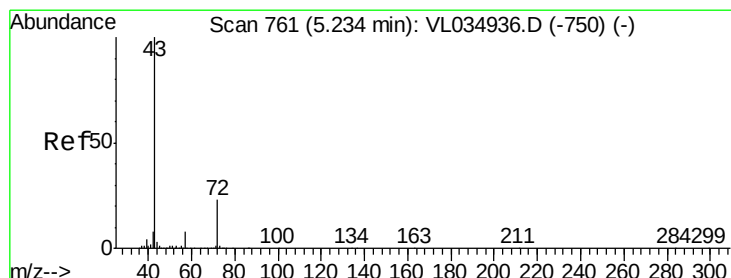
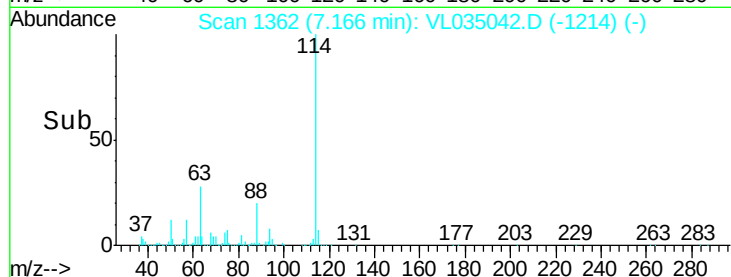
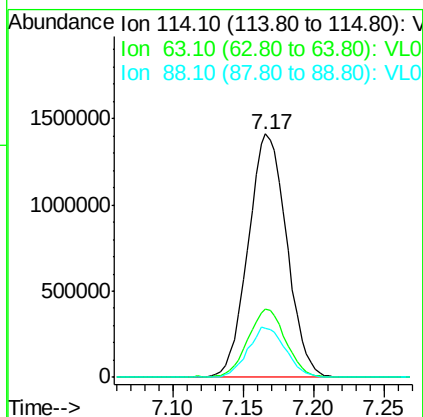
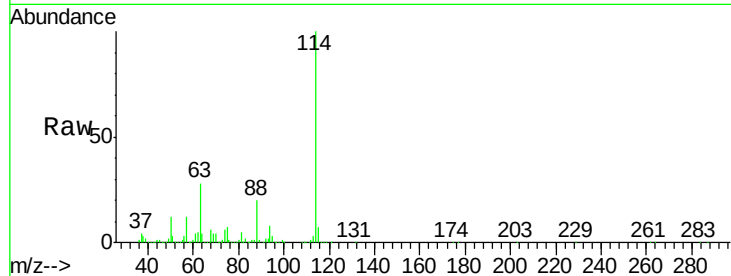
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.8	22.2	33.4
88	20.1	15.5	23.3

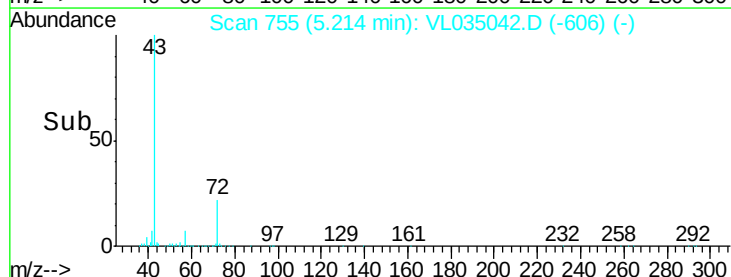
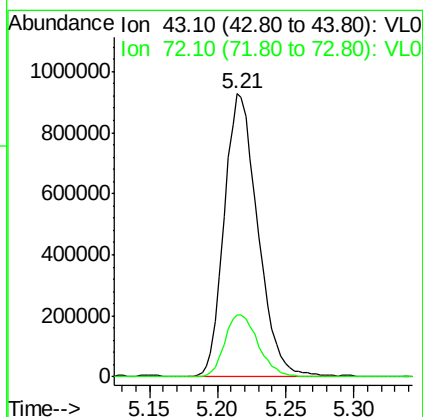
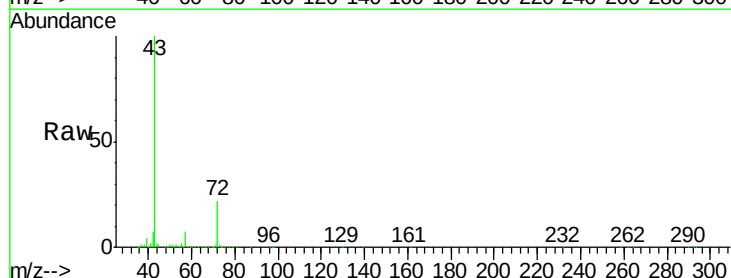
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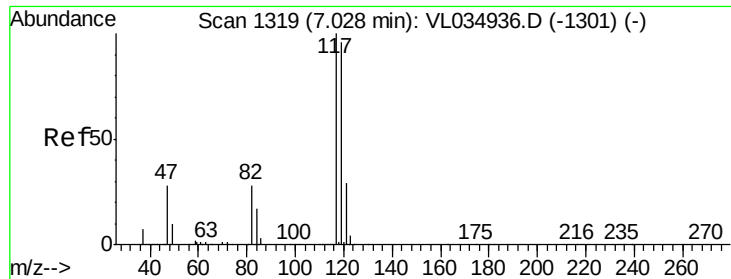
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#34
 2-Butanone
 Concen: 9.380 ppbv
 RT: 5.21 min Scan# 755
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.2	18.0	27.0





#35

Carbon Tetrachloride

Concen: 9.458 ppbv

RT: 7.01 min Scan# 1312

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 1612242

Ion Ratio Lower Upper

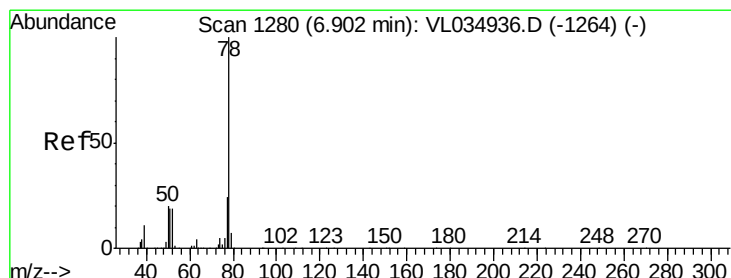
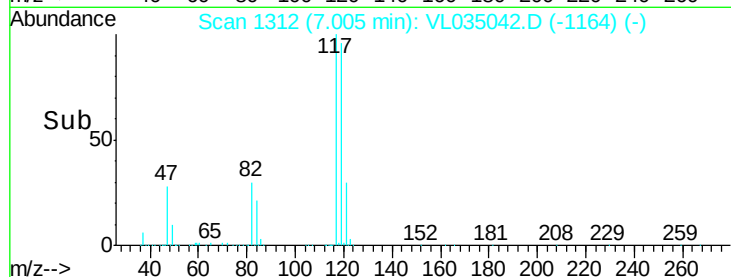
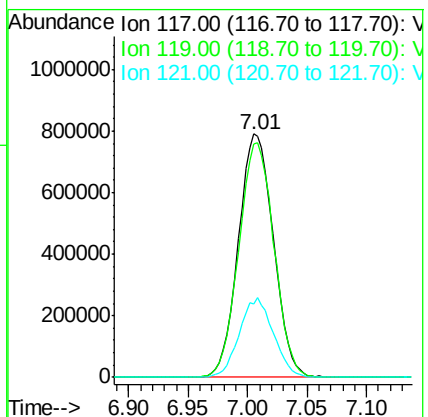
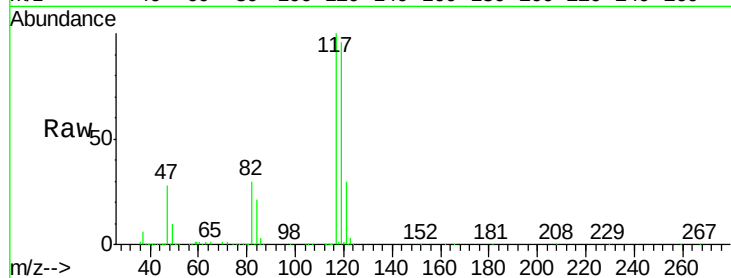
117 100

119 96.1 77.0 115.6

121 30.2 23.0 34.6

Manual Integrations
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#36

Benzene

Concen: 9.580 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

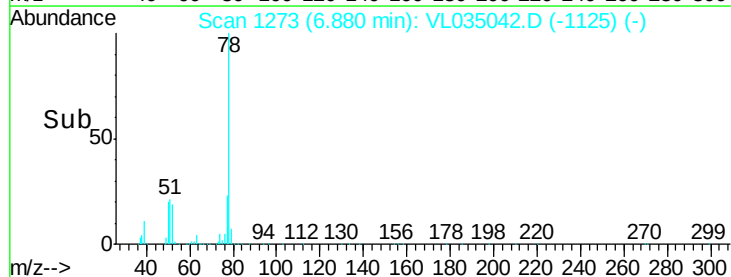
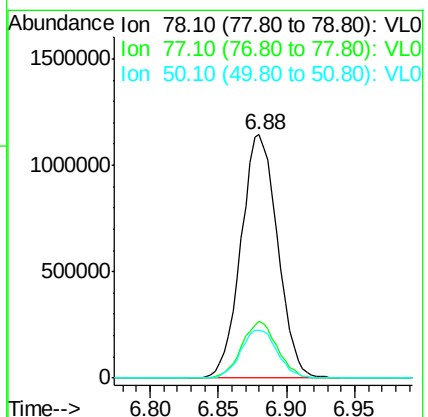
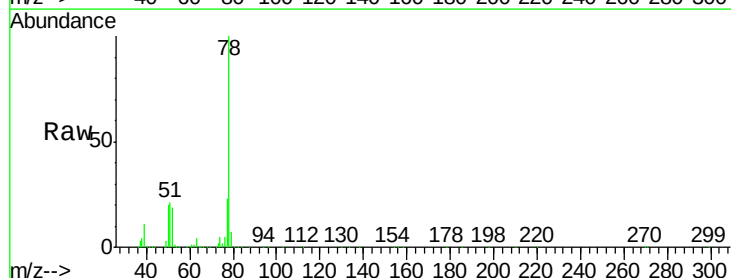
Tgt Ion: 78 Resp: 2133081

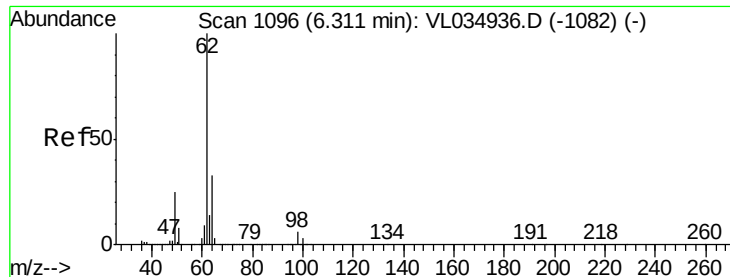
Ion Ratio Lower Upper

78 100

77 23.1 19.0 28.6

50 19.9 15.8 23.8





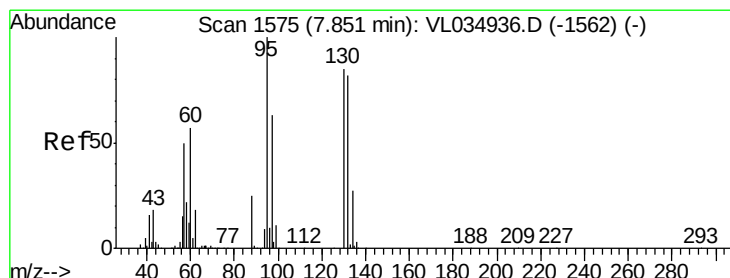
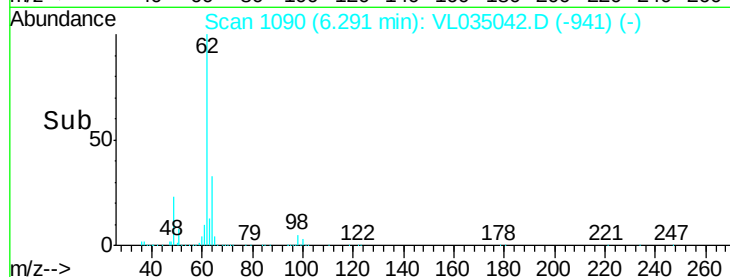
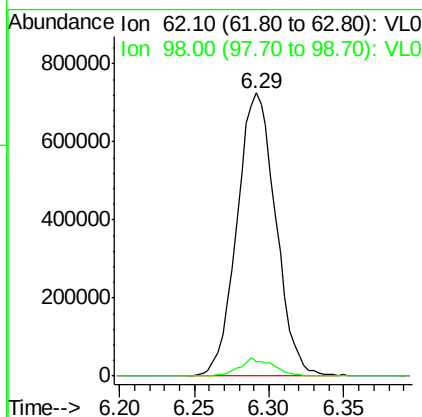
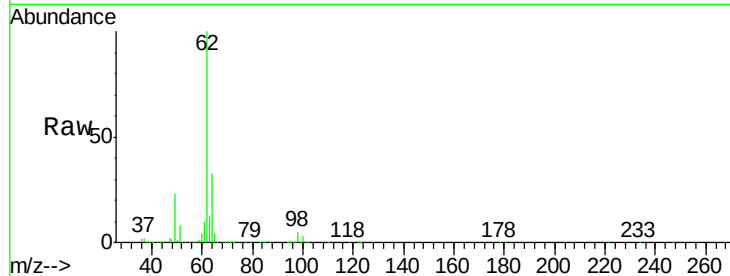
#37
 1,2-Dichloroethane
 Concen: 9.515 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.6	4.8	7.2

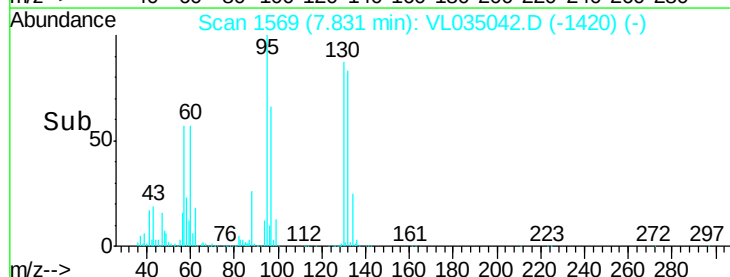
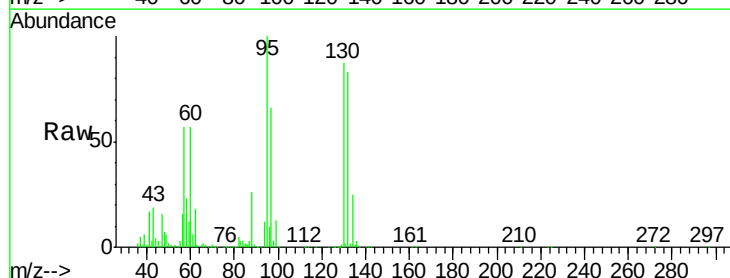
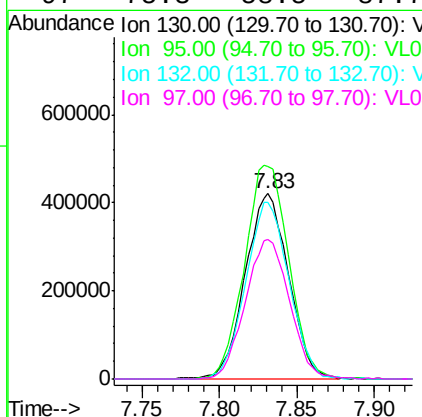
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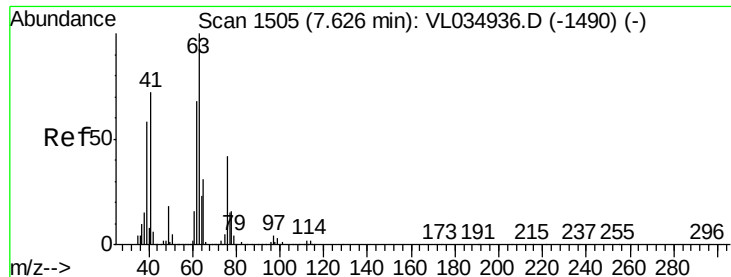
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 5/20/2020 4:26:46 PM



#38
 Trichloroethene
 Concen: 9.479 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	114.7	93.4	140.0
132	95.4	76.4	114.6
97	75.3	58.5	87.7





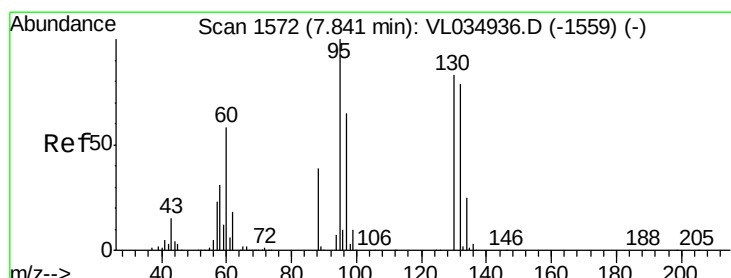
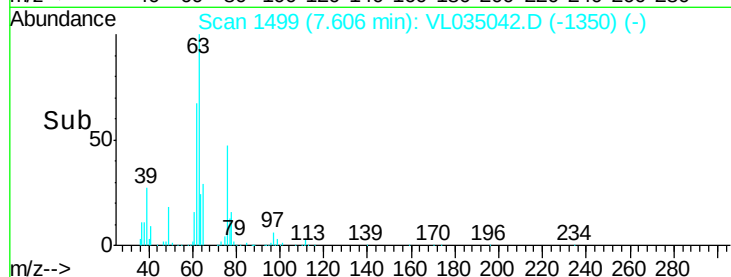
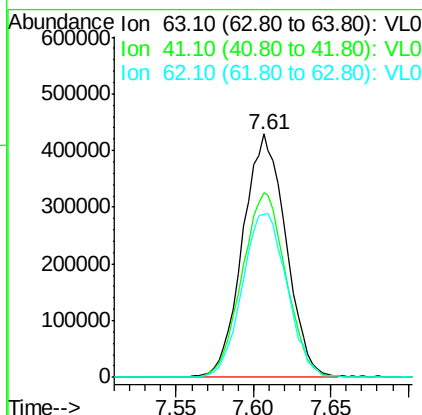
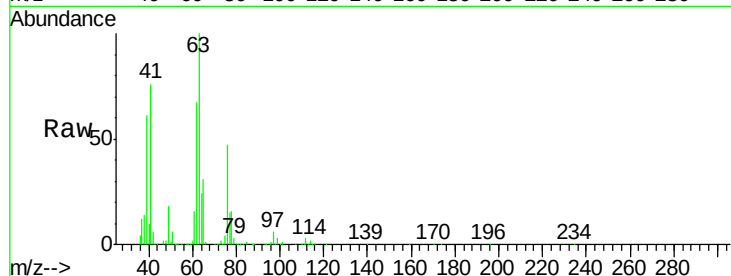
#39
 1,2-Dichloropropane
 Concen: 9.309 ppbv
 RT: 7.61 min Scan# 1499
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	75.8	57.8	86.8
62	67.2	54.2	81.2

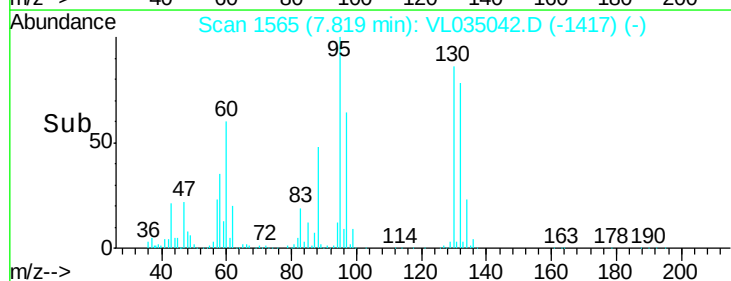
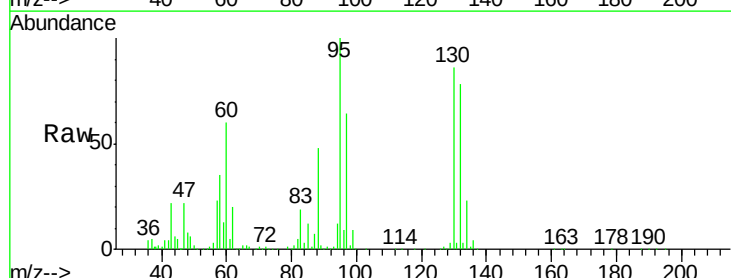
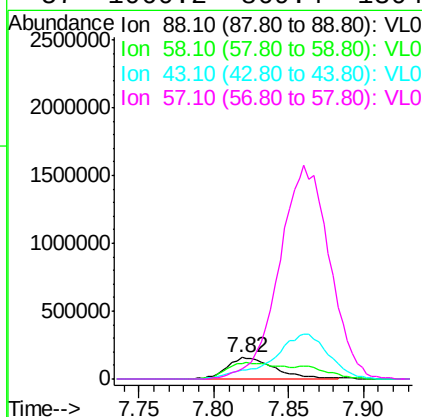
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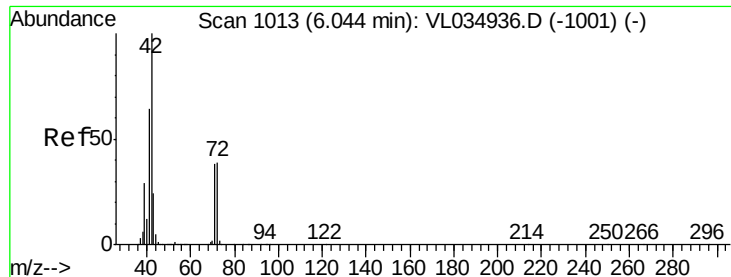
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 5/20/2020 4:26:46 PM



#40
 1,4-Dioxane
 Concen: 9.576 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Tgt Ion	Ratio	Lower	Upper
88	100		
58	130.6	105.1	157.7
43	247.8	202.6	303.8
57	1060.2	869.4	1304.0





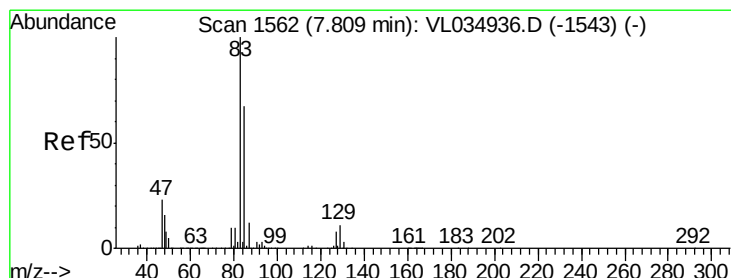
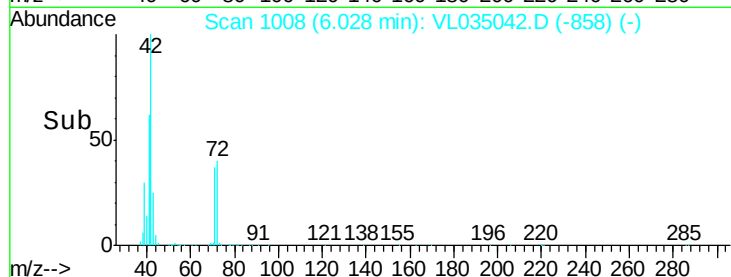
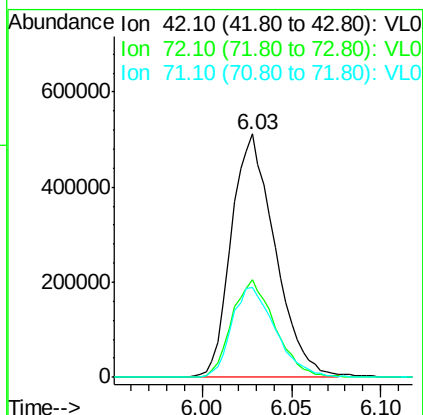
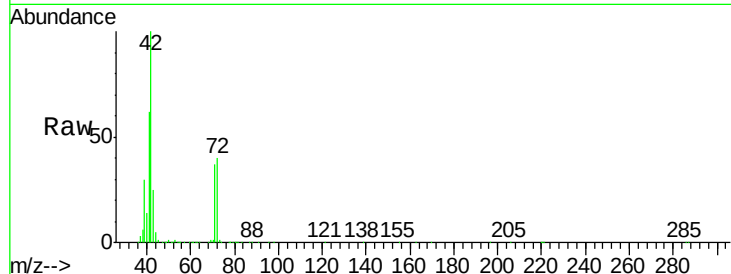
#41
Tetrahydrofuran
Concen: 9.859 ppbv
RT: 6.03 min Scan# 1008
Delta R.T. -0.02 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.7	31.4	47.0
71	37.6	29.8	44.8

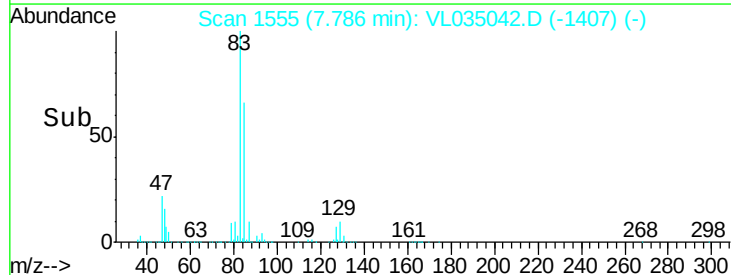
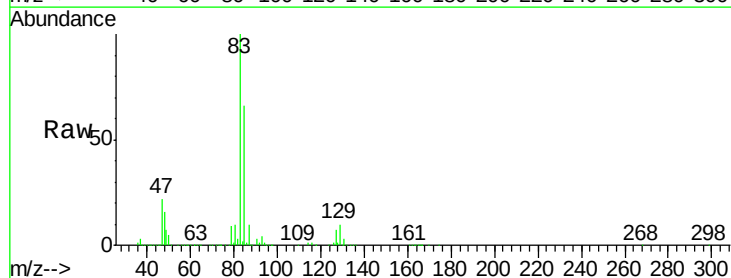
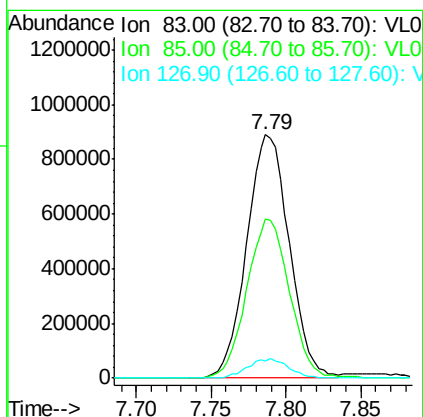
Manual Integrations
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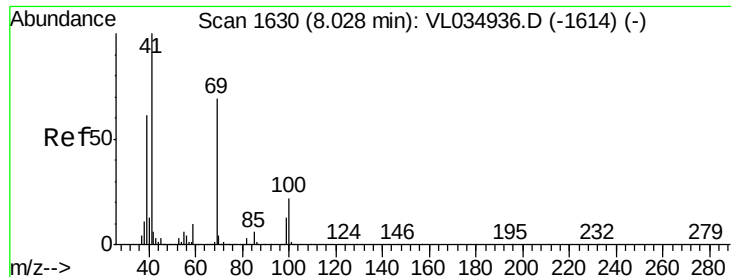
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#42
Bromodichloromethane
Concen: 9.510 ppbv
RT: 7.79 min Scan# 1555
Delta R.T. -0.02 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	53.4	80.0
127	6.9	6.1	9.1





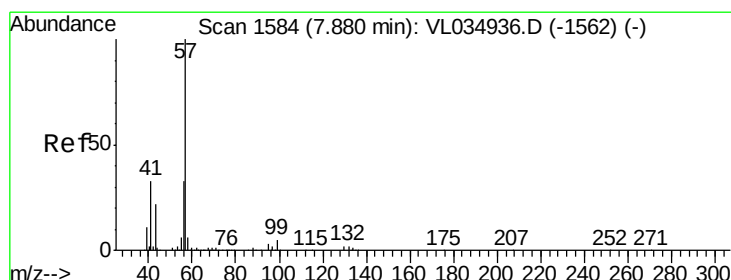
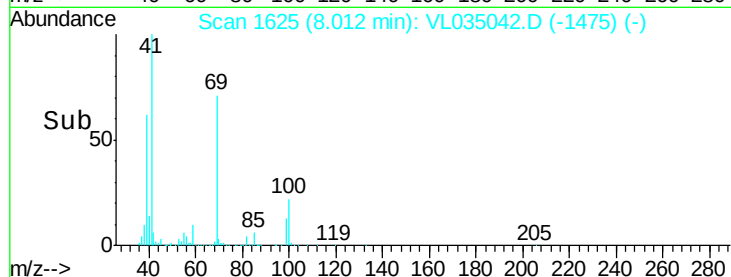
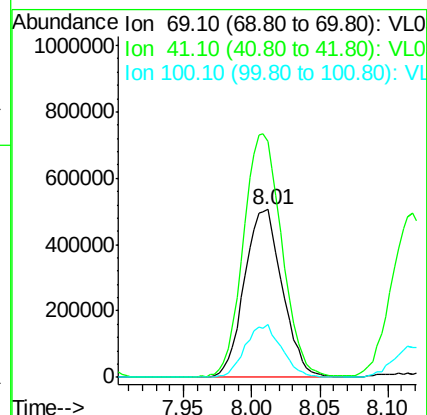
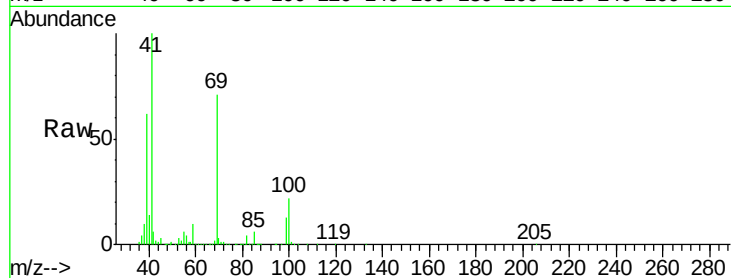
#43
Methyl Methacrylate
Concen: 10.403 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. -0.02 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

Instrument :
MSVOA_L
ClientSampleID :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	147.2	119.8	179.6	
100	30.4	25.0	37.6	

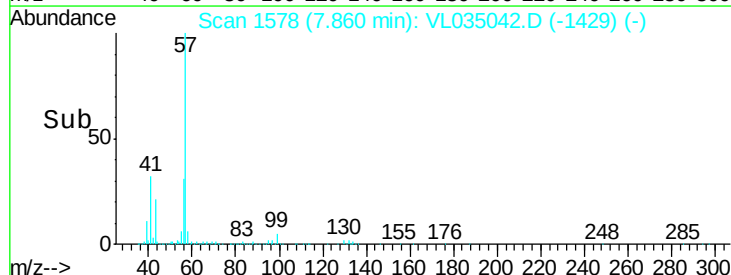
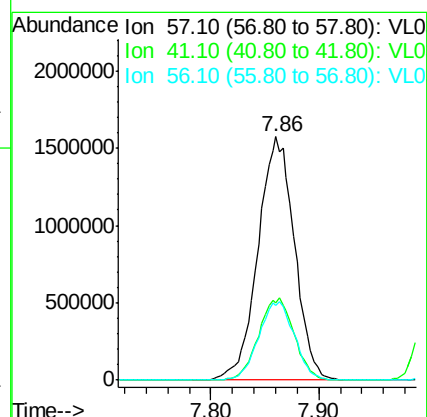
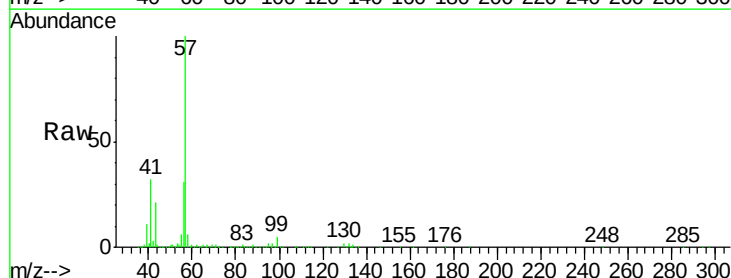
Manual Integrations
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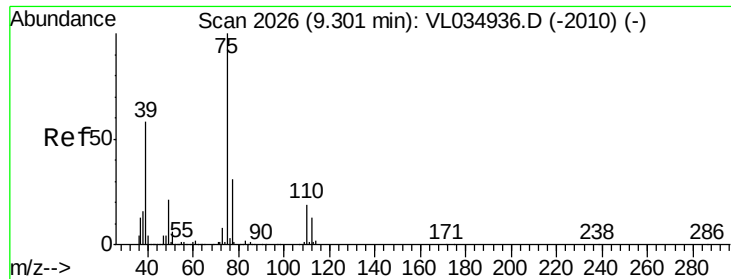
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.290 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. -0.02 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	33.0	26.4	39.6	
56	31.5	25.5	38.3	





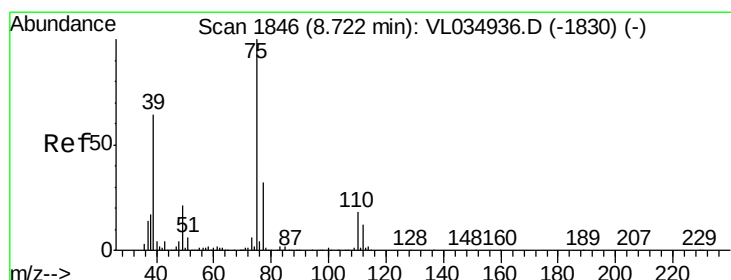
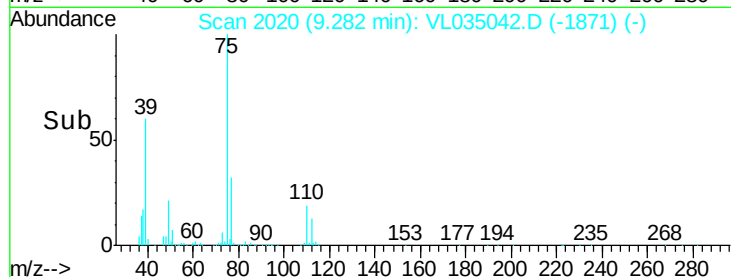
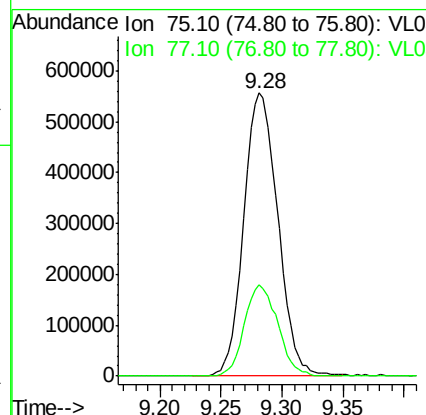
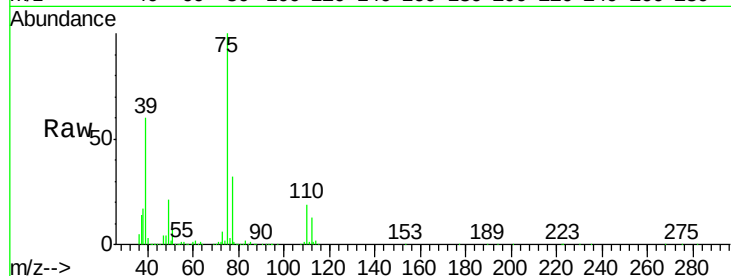
#45
t-1,3-Dichloropropene
Concen: 11.292 ppbv
RT: 9.28 min Scan# 2020
Delta R.T. -0.02 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1071490
Ion Ratio Lower Upper
75 100
77 32.2 24.9 37.3

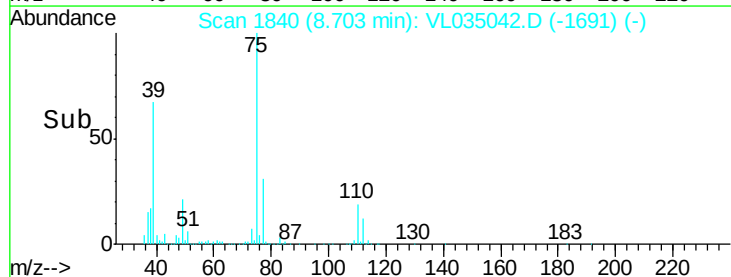
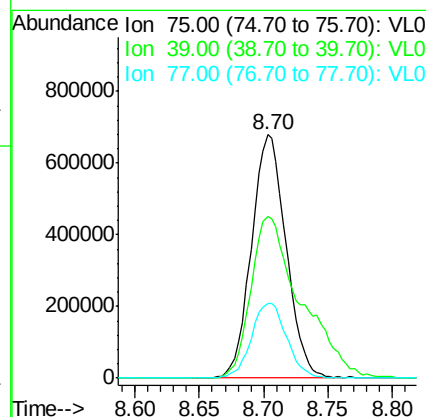
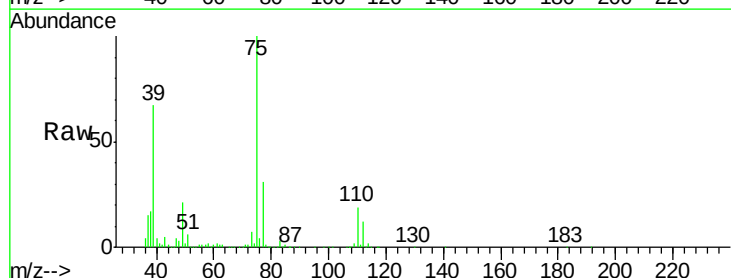
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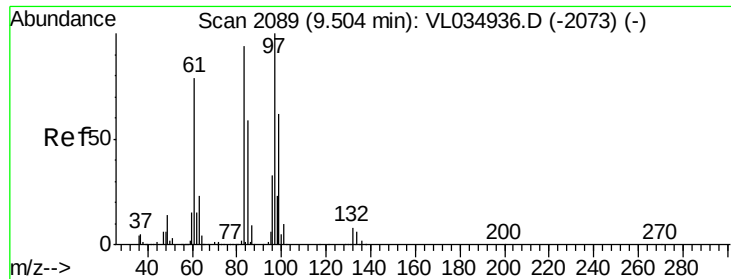
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 10.907 ppbv
RT: 8.70 min Scan# 1840
Delta R.T. -0.02 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

Tgt Ion: 75 Resp: 1270631
Ion Ratio Lower Upper
75 100
39 66.6 51.5 77.3
77 30.7 25.5 38.3





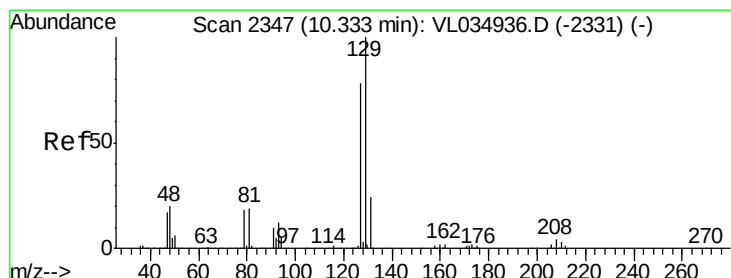
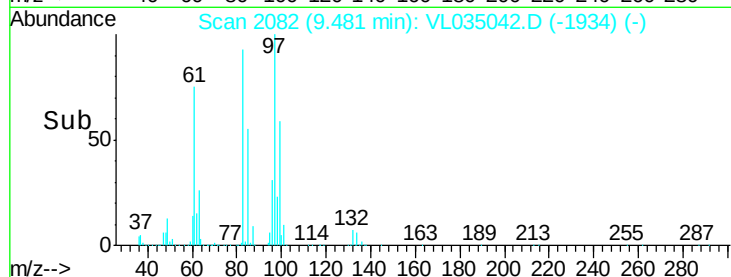
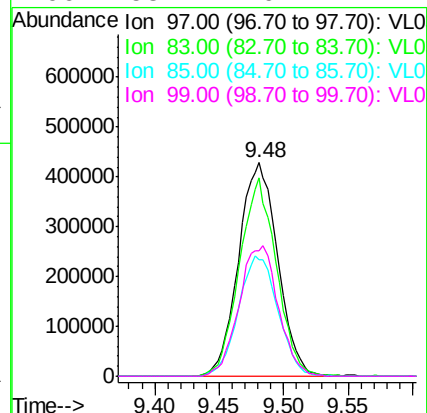
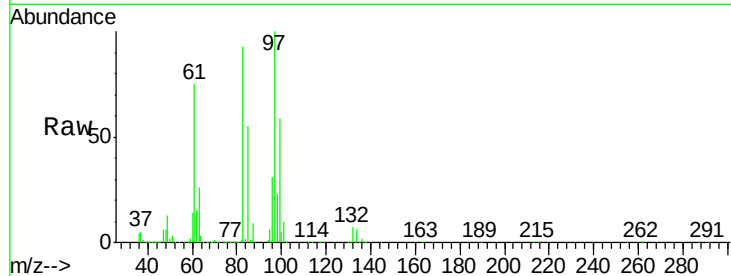
#47
 1,1,2-Trichloroethane
 Concen: 9.592 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	92.9	75.6	113.4	
85	54.6	47.0	70.6	
99	58.7	49.4	74.2	

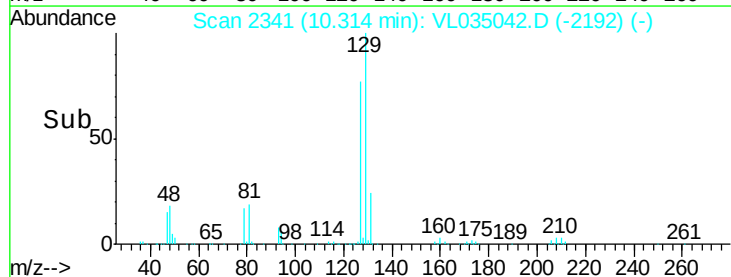
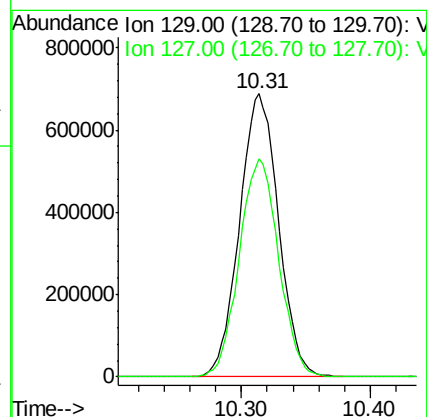
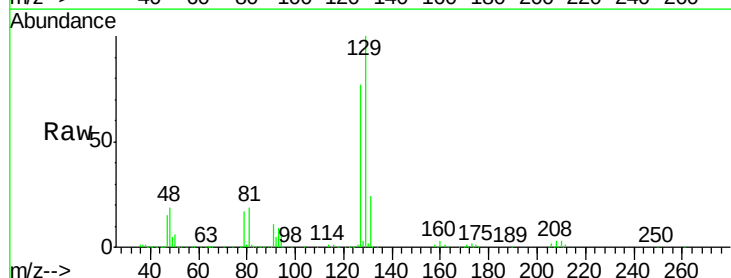
Manual Integrations
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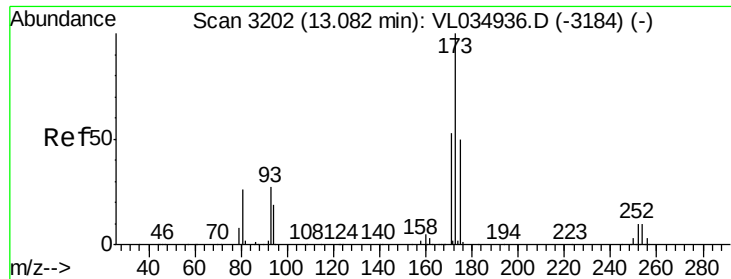
MMDadoda
 5/20/2020 4:26:46 PM



#48
 Dibromochloromethane
 Concen: 9.956 ppbv
 RT: 10.31 min Scan# 2341
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.3	39.1	117.2	





#49

Bromoform

Concen: 10.063 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 1254220

Ion Ratio Lower Upper

173 100

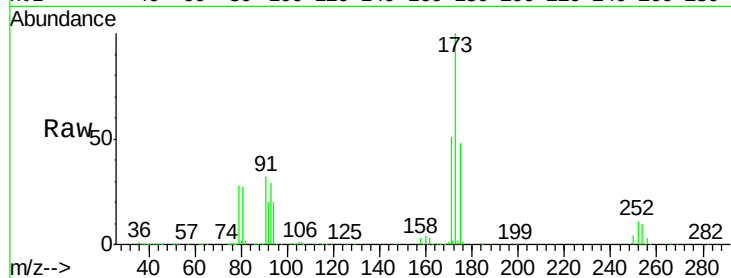
175 49.3 39.0 58.6

171 52.1 41.4 62.2

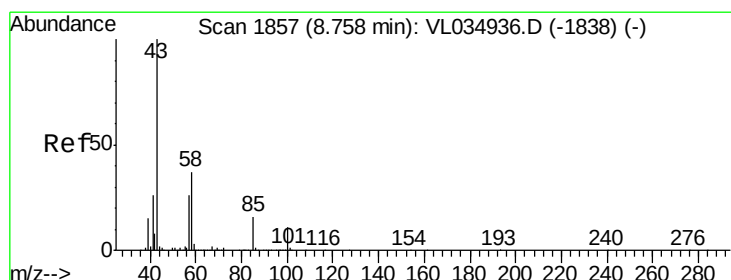
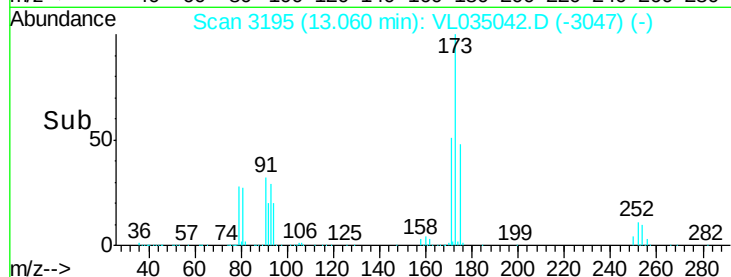
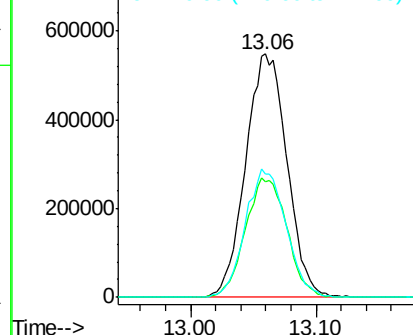
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.819 ppbv

RT: 8.73 min Scan# 1850

Delta R.T. -0.02 min

Lab File: VL035042.D

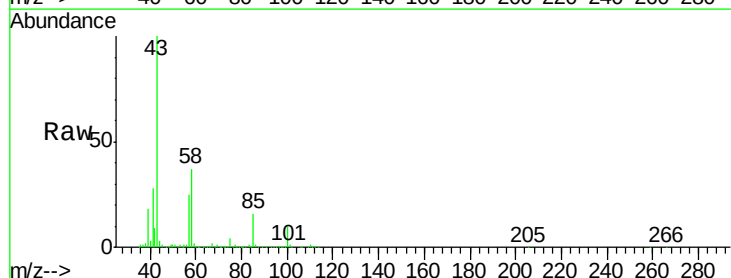
Acq: 19 May 2020 12:09

Tgt Ion: 43 Resp: 2350232

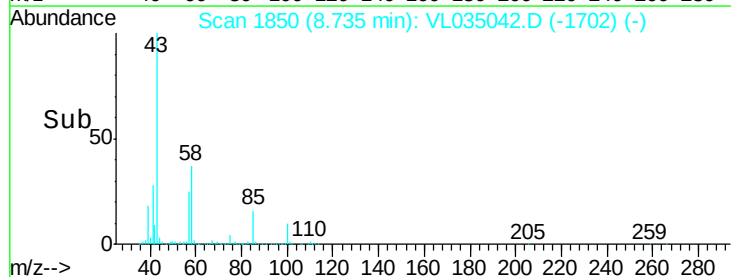
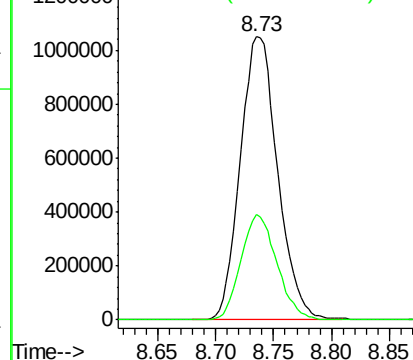
Ion Ratio Lower Upper

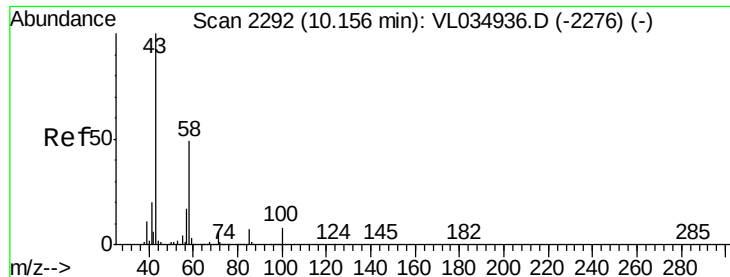
43 100

58 35.9 29.1 43.7



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





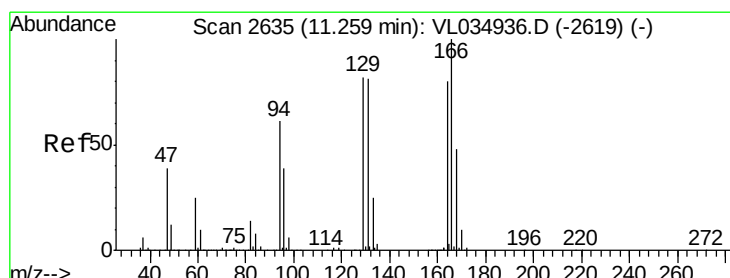
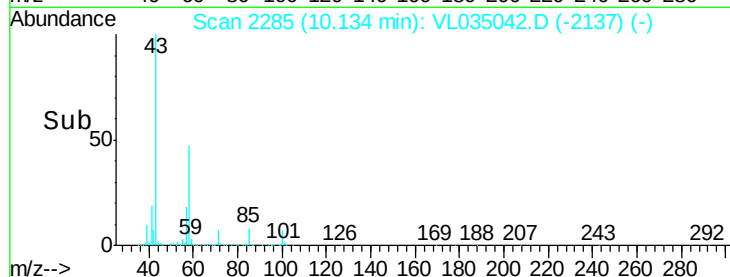
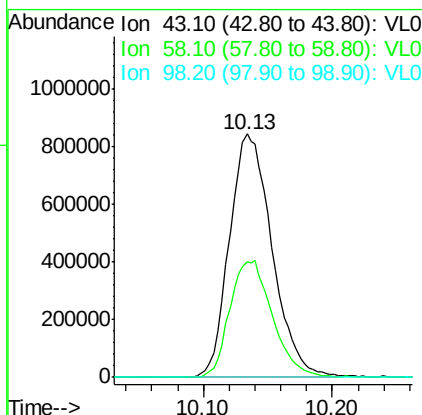
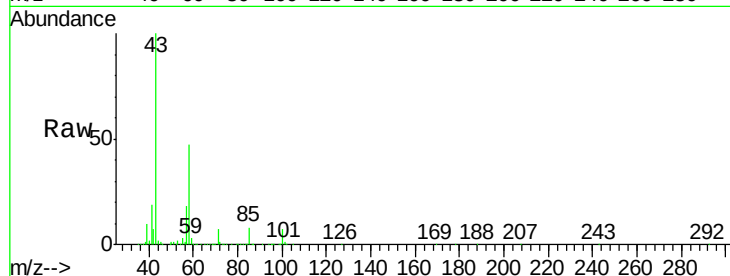
#51
2-Hexanone
Concen: 10.348 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. -0.02 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1937280
Ion Ratio Lower Upper
43 100
58 48.1 39.1 58.7
98 0.3 0.3 0.5#

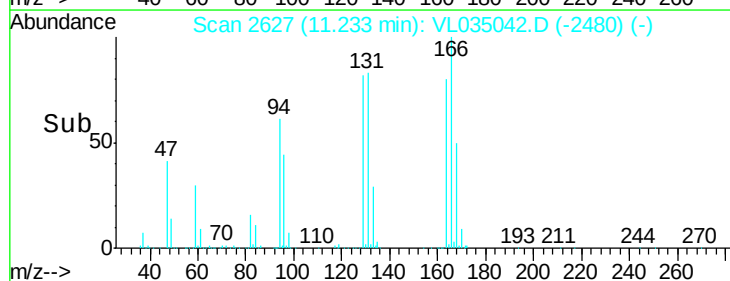
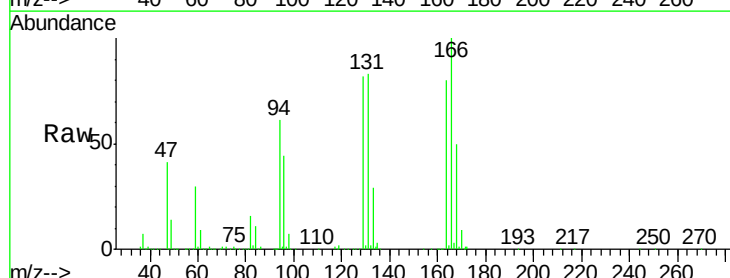
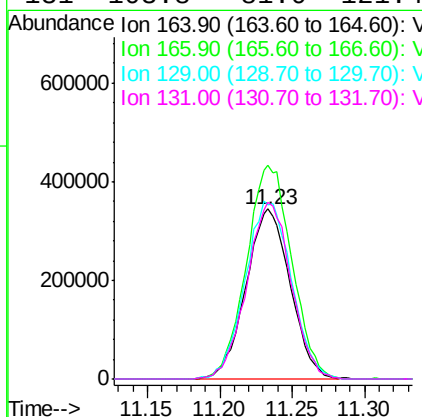
Manual Integrations
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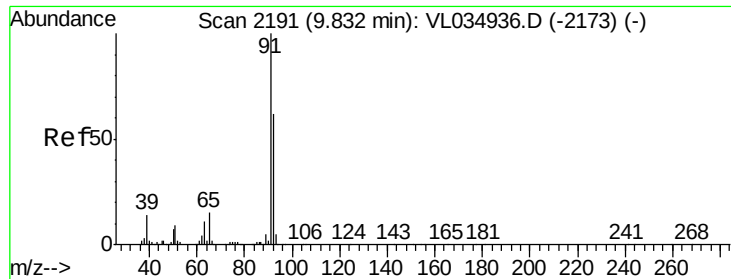
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#52
Tetrachloroethene
Concen: 9.235 ppbv
RT: 11.23 min Scan# 2627
Delta R.T. -0.03 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

Tgt Ion: 164 Resp: 731201
Ion Ratio Lower Upper
164 100
166 125.6 100.7 151.1
129 102.3 83.0 124.4
131 103.8 81.0 121.4





#53

Toluene

Concen: 10.352 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2443461

Ion Ratio Lower Upper

91 100

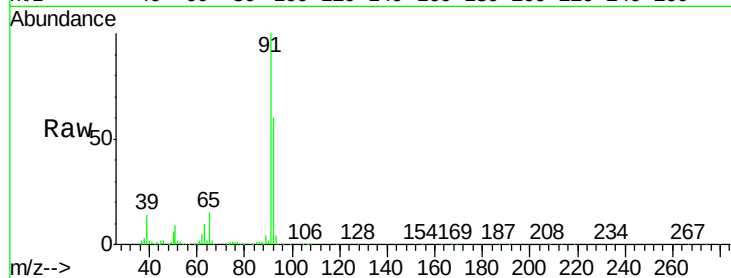
92 60.6 48.6 73.0

Manual Integrations

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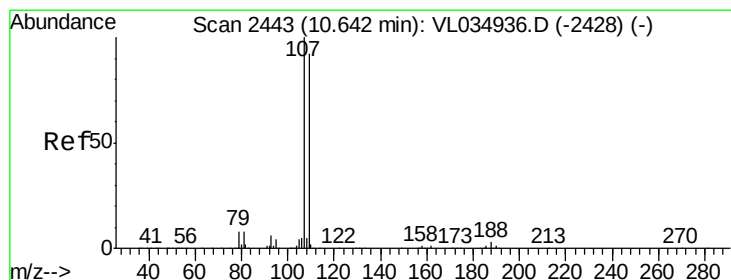
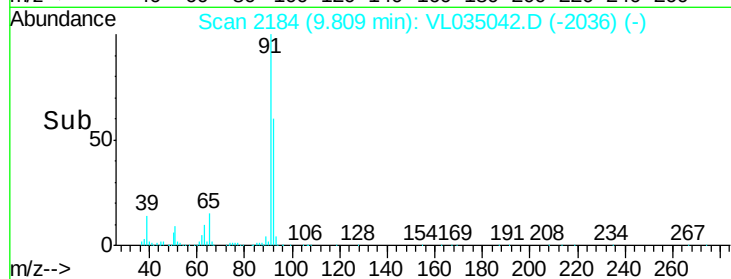
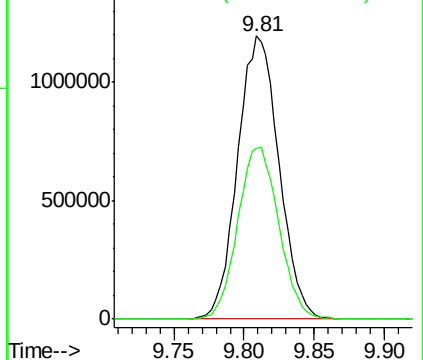
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.730 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. -0.02 min

Lab File: VL035042.D

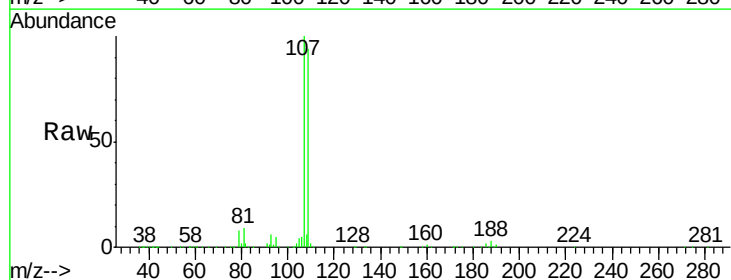
Acq: 19 May 2020 12:09

Tgt Ion: 107 Resp: 1345920

Ion Ratio Lower Upper

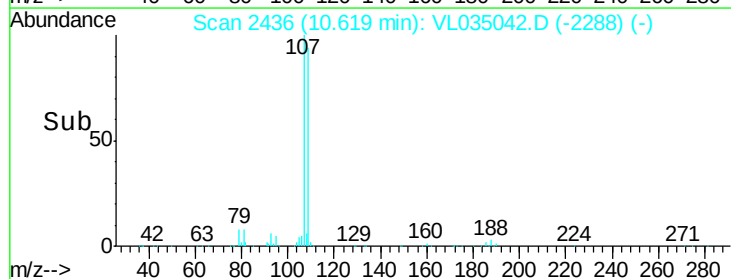
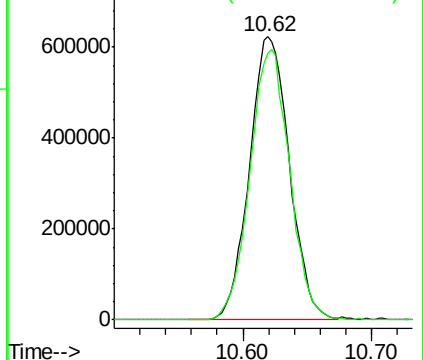
107 100

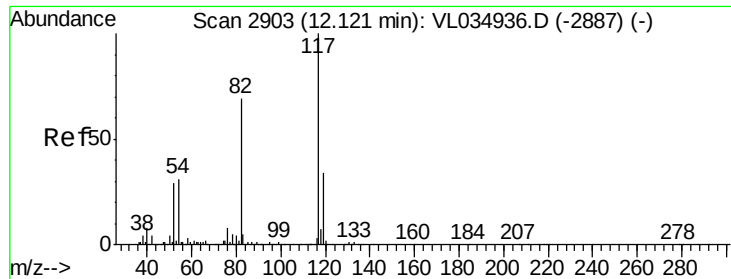
109 94.1 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





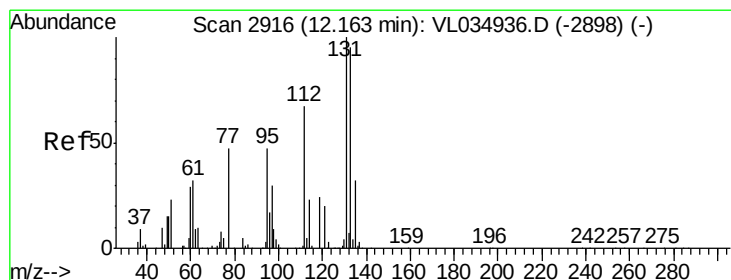
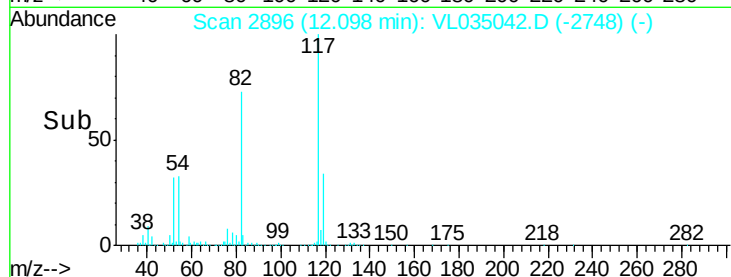
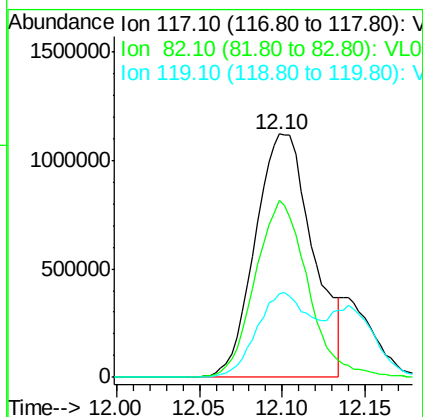
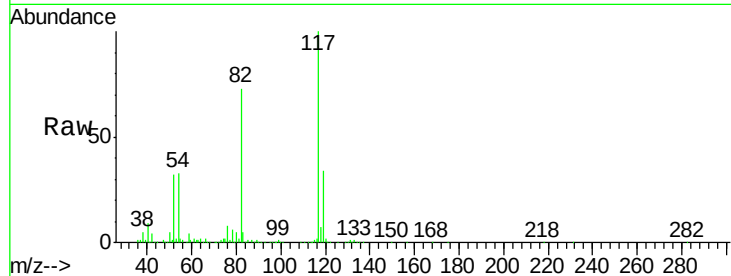
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.02 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 2708726
Ion Ratio Lower Upper
117 100
82 66.9 53.1 79.7
119 33.0 26.7 40.1

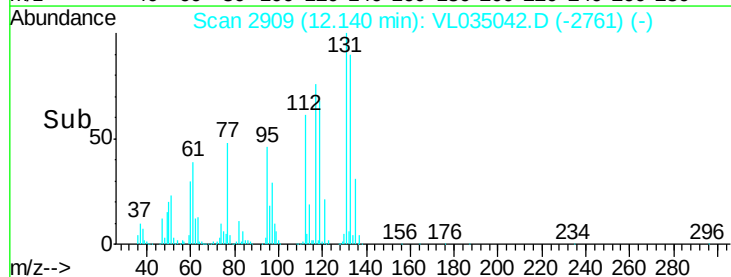
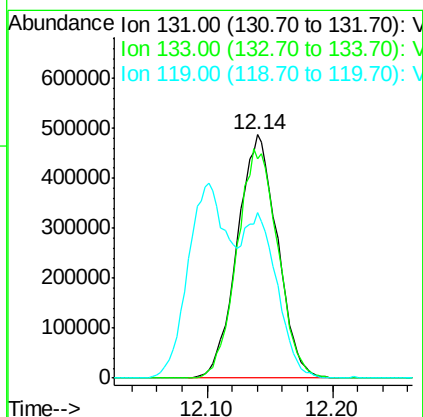
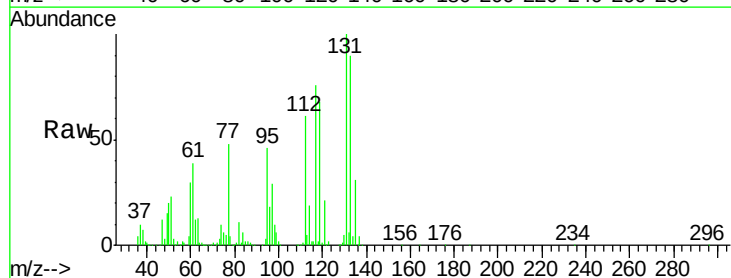
Manual Integrations
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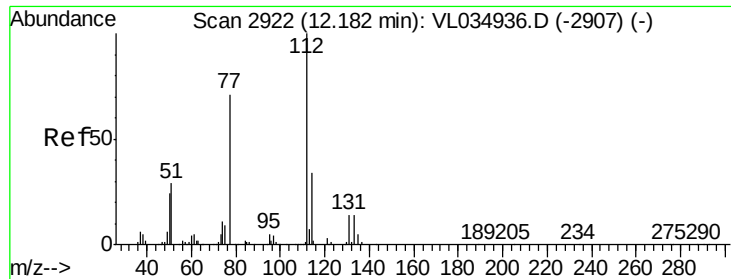
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.863 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.02 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

Tgt Ion:131 Resp: 1082620
Ion Ratio Lower Upper
131 100
133 96.1 77.7 116.5
119 57.9 49.8 74.6





#57

Chlorobenzene

Concen: 8.577 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

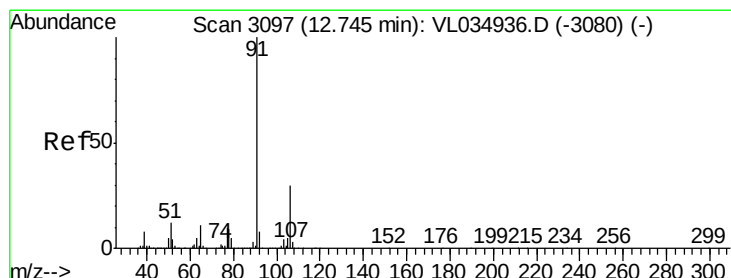
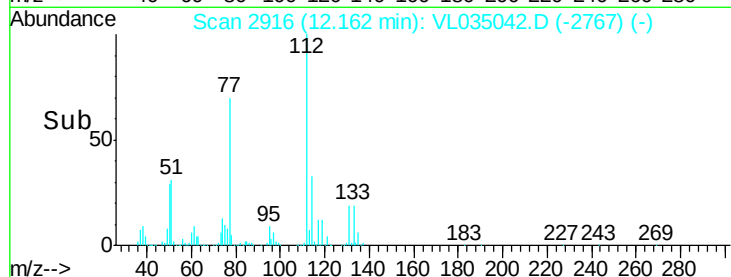
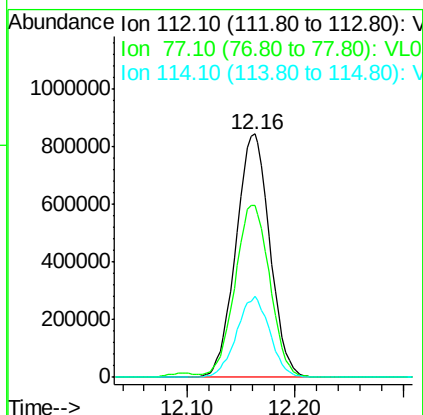
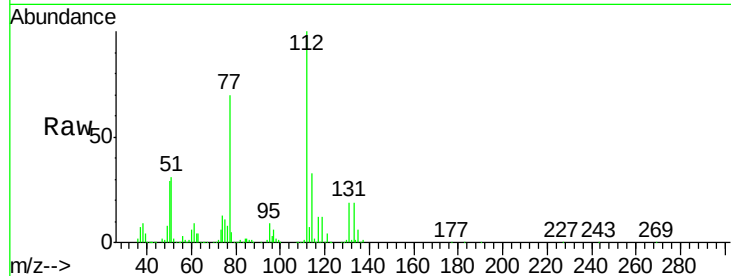
ClientSampleId :

VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	70.3	57.0	85.6
114	33.5	30.8	37.6

Manual Integrations
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#58

Ethyl Benzene

Concen: 9.873 ppbv

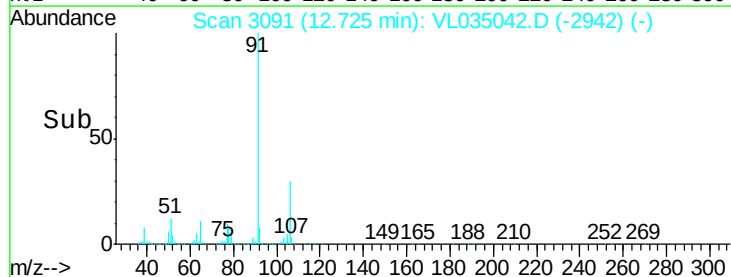
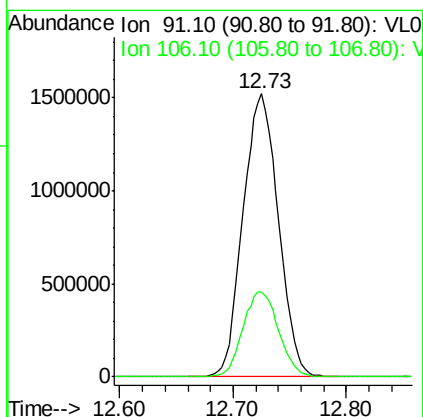
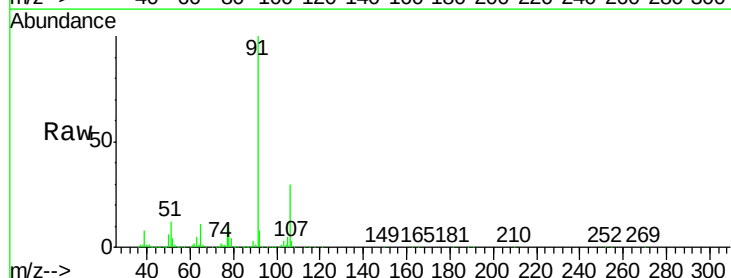
RT: 12.73 min Scan# 3091

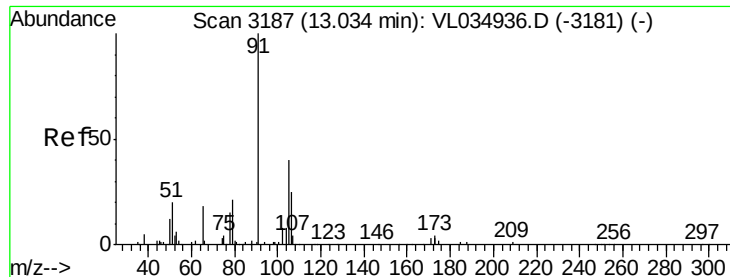
Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.2	36.4





#59

m/p-Xylene

Concen: 18.473 ppbv m

RT: 12.99 min Scan# 3172

Delta R.T. -0.05 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

ClientSampled :

VSTDCCC010

Tot Ion: 91 Resp: 5444027

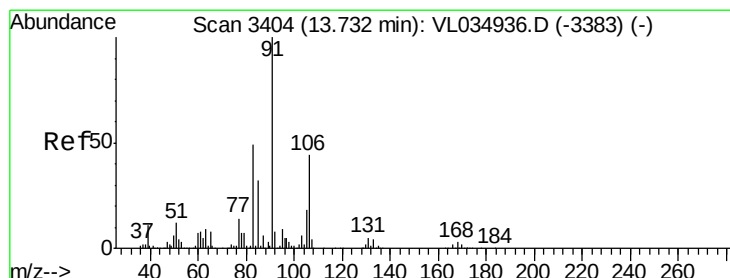
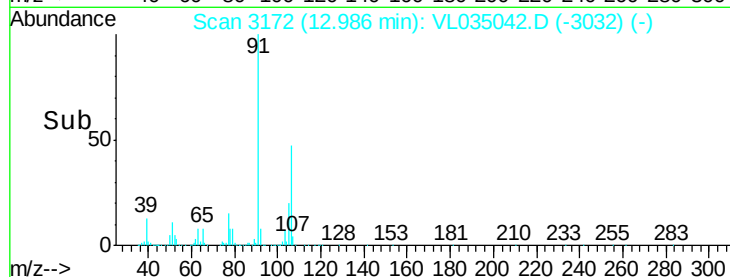
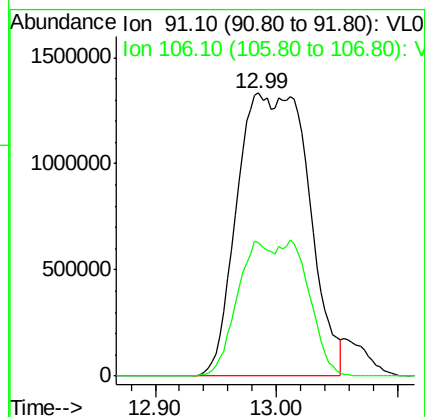
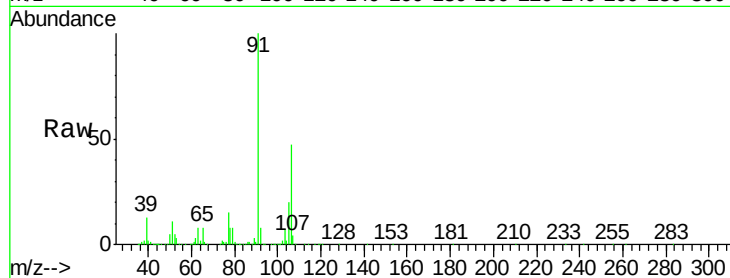
Ion Ratio Lower Upper

91 100

106 45.4 66.0 99.0#

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#60

o-Xylene

Concen: 9.314 ppbv

RT: 13.71 min Scan# 3397

Delta R.T. -0.02 min

Lab File: VL035042.D

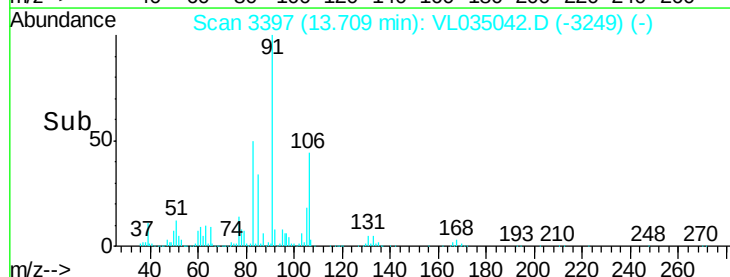
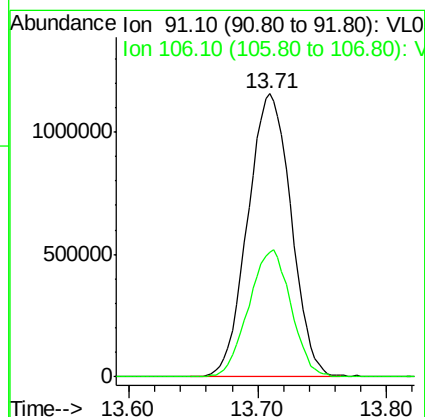
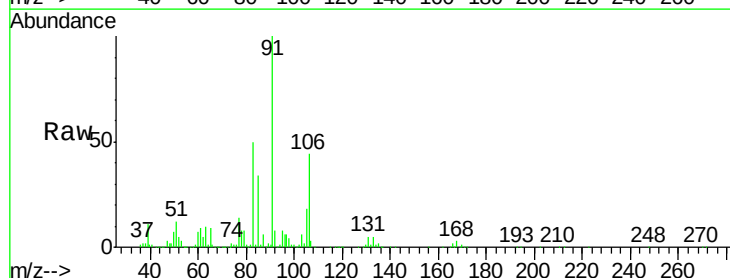
Acq: 19 May 2020 12:09

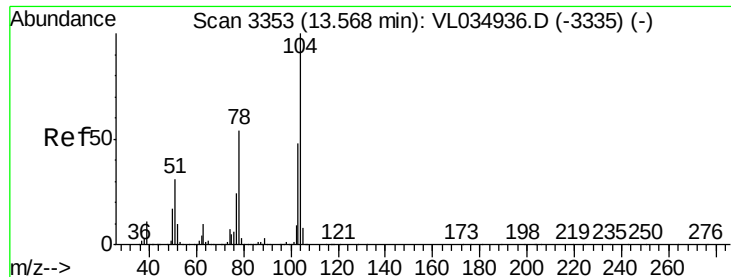
Tgt Ion: 91 Resp: 2708645

Ion Ratio Lower Upper

91 100

106 43.7 21.9 65.5





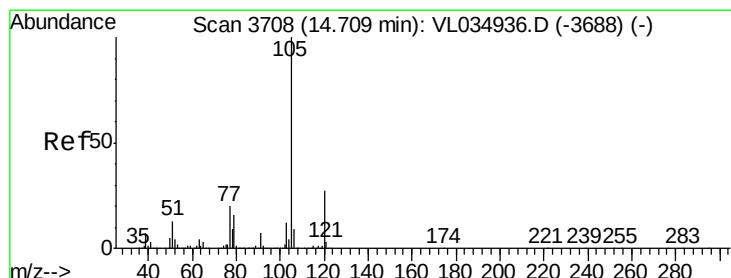
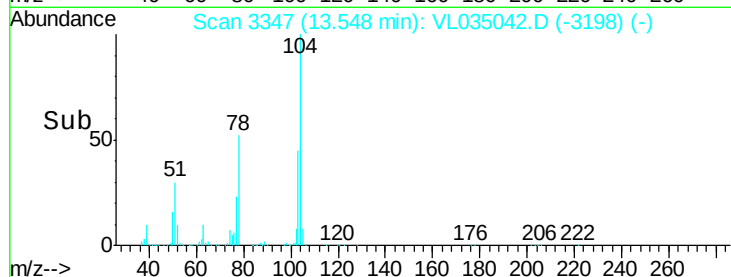
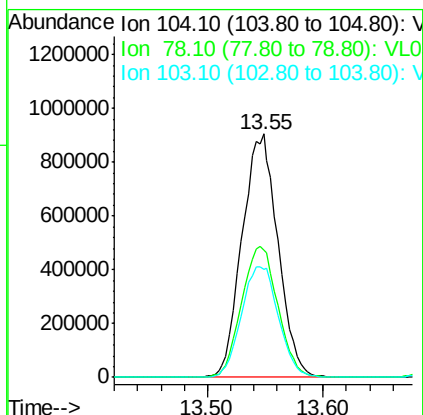
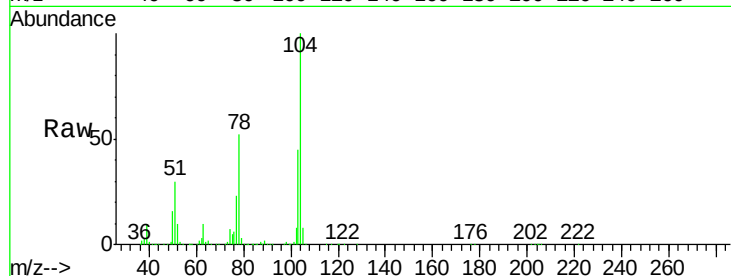
#61
Stvrene
Concen: 10.573 ppbv
RT: 13.55 min Scan# 3347
Delta R.T. -0.02 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.4	43.7	65.5
103	47.2	38.8	58.2

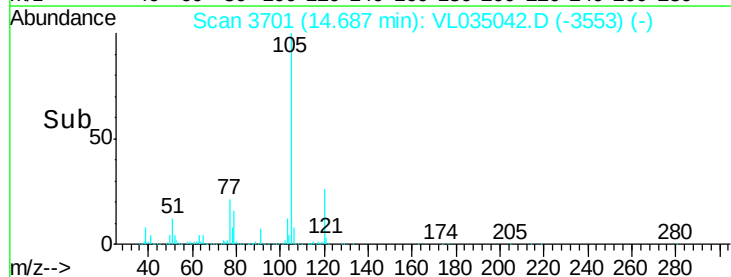
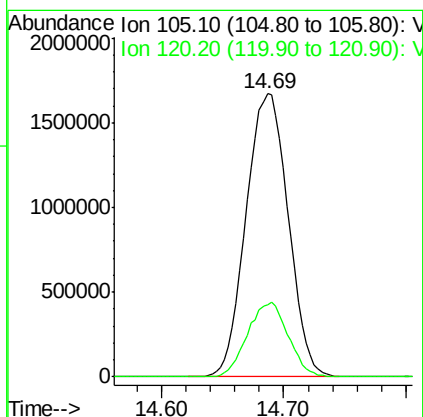
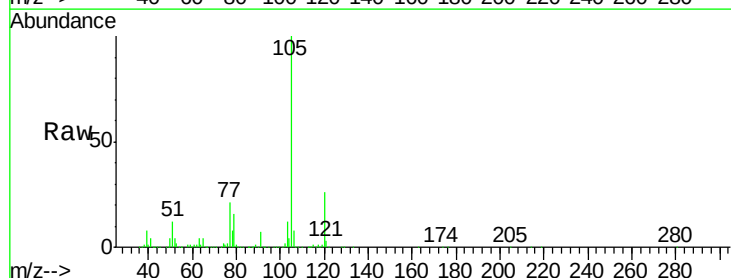
Manual Integrations
APPROVED

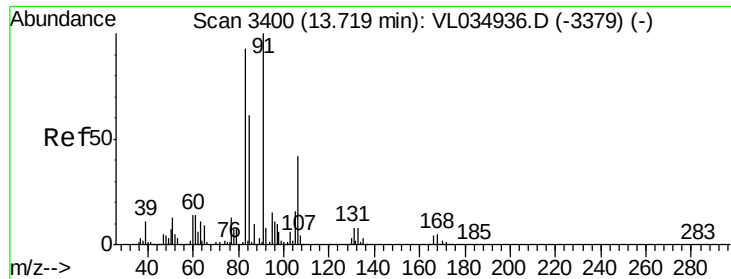
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#62
Isopropylbenzene
Concen: 9.205 ppbv
RT: 14.69 min Scan# 3701
Delta R.T. -0.02 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.6	31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 8.376 ppbv

RT: 13.70 min Scan# 3394

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 1917416

Ion Ratio Lower Upper

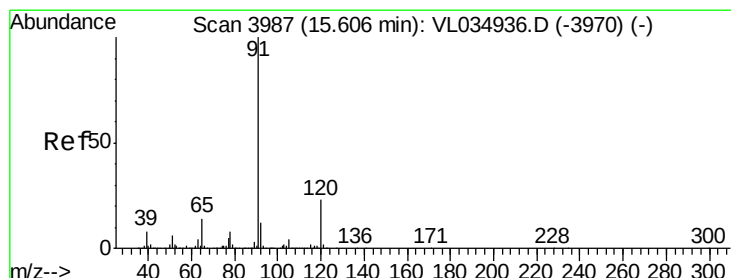
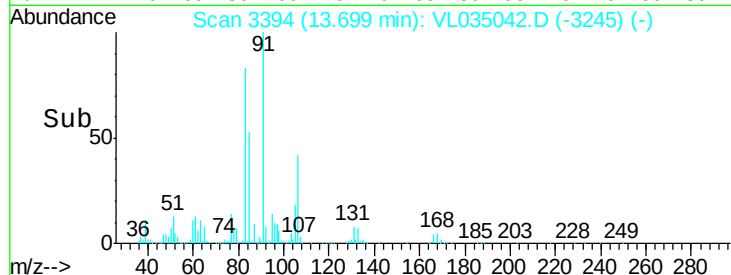
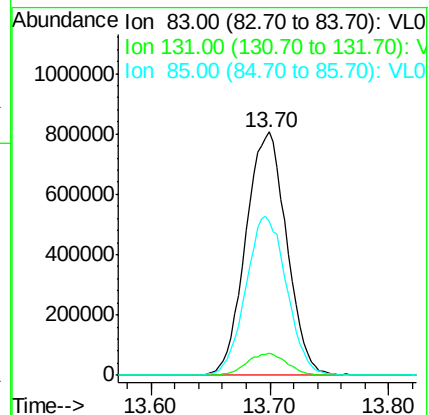
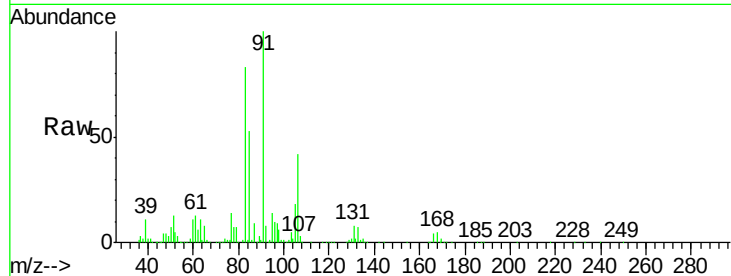
83 100

131 9.1 4.7 14.0

85 65.3 32.5 97.4

Manual Integrations
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#64

n-propylbenzene

Concen: 9.316 ppbv

RT: 15.58 min Scan# 3980

Delta R.T. -0.02 min

Lab File: VL035042.D

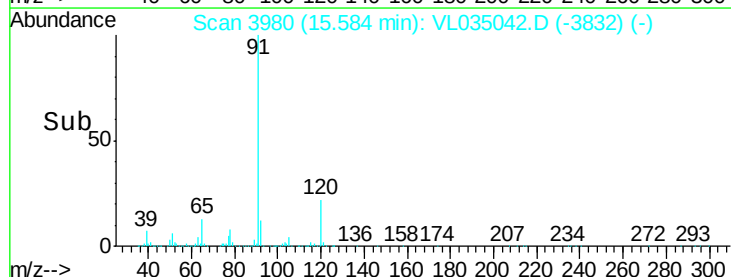
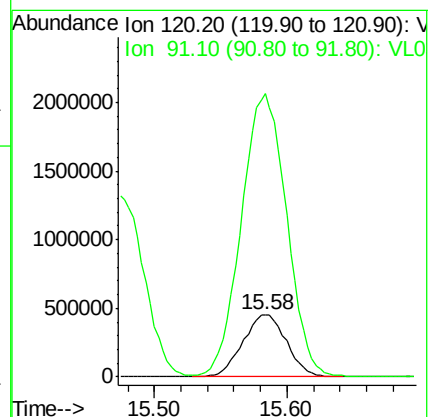
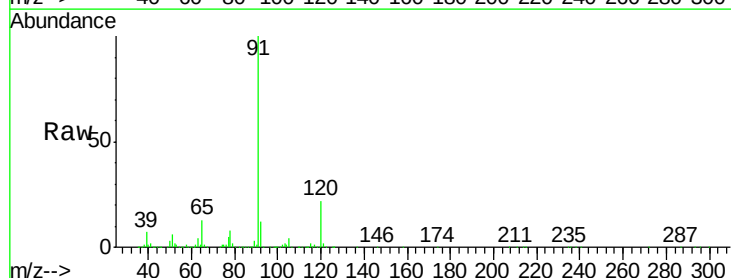
Acq: 19 May 2020 12:09

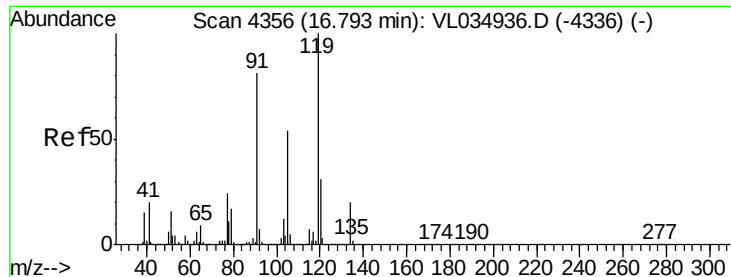
Tgt Ion: 120 Resp: 1037519

Ion Ratio Lower Upper

120 100

91 472.9 373.5 560.3





#65

tert-Butylbenzene

Concen: 9.075 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. -0.03 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:119 Resp: 3417208

Ion Ratio Lower Upper

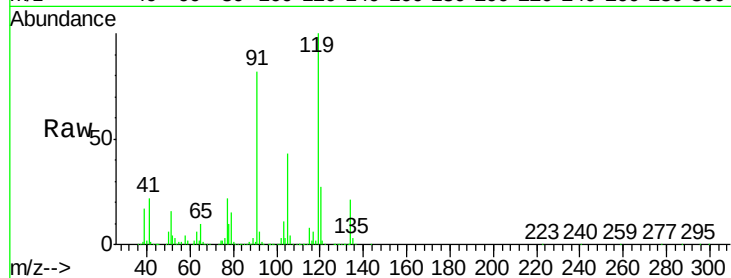
119 100

91 84.2 67.5 101.3

134 19.7 16.1 24.1

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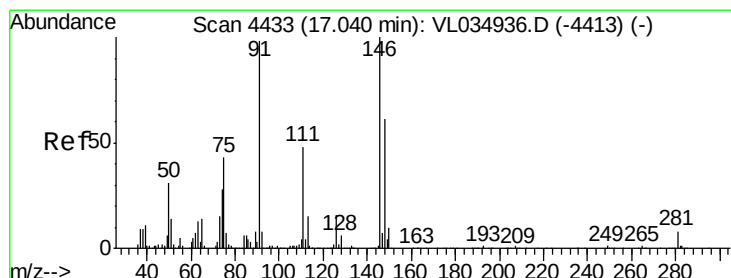
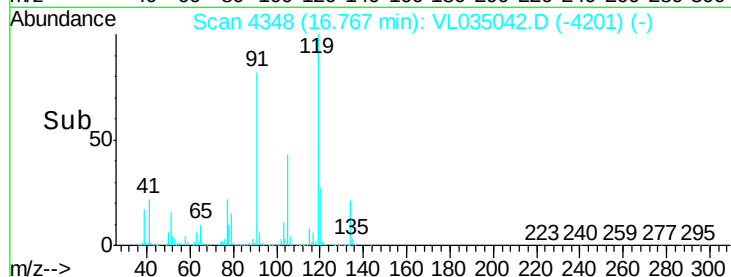
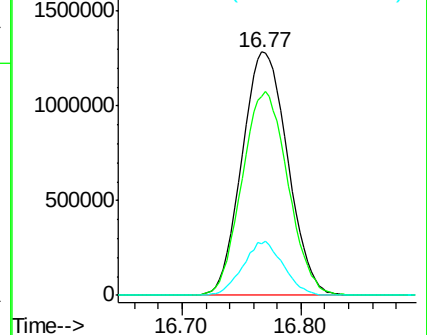
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 9.947 ppbv

RT: 17.02 min Scan# 4426

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

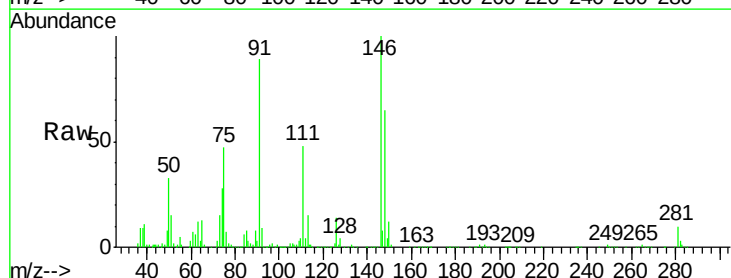
Tgt Ion: 91 Resp: 1271613

Ion Ratio Lower Upper

91 100

126 16.2 13.8 20.6

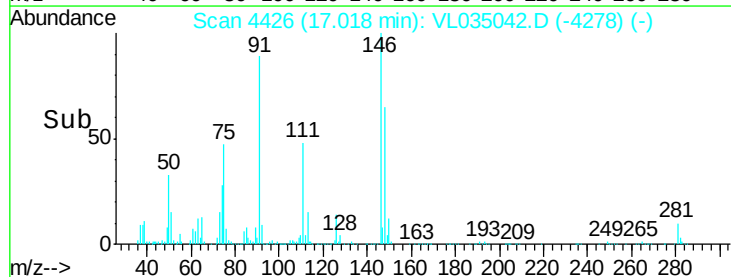
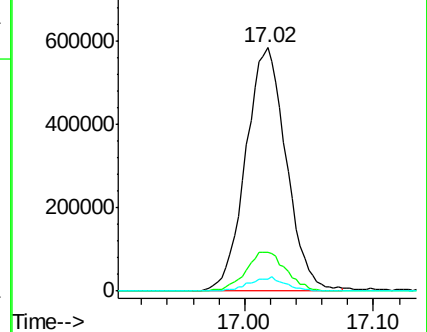
128 5.1 4.3 6.5

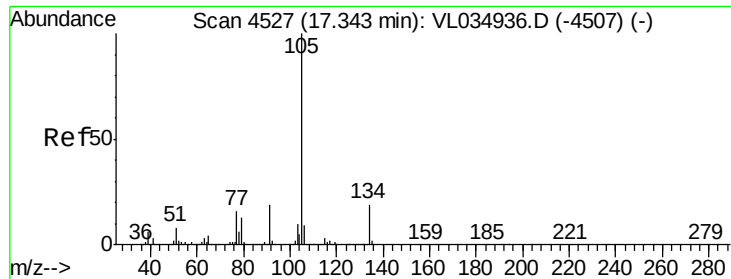


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.104 ppbv

RT: 17.32 min Scan# 4520

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 4893753

Ion Ratio Lower Upper

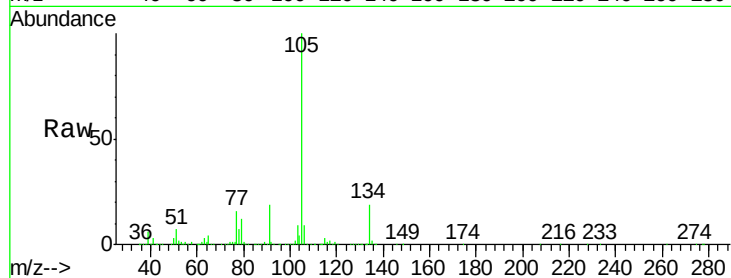
105 100

134 18.2 14.8 22.2

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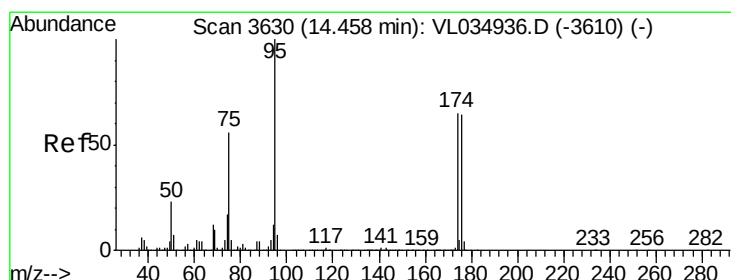
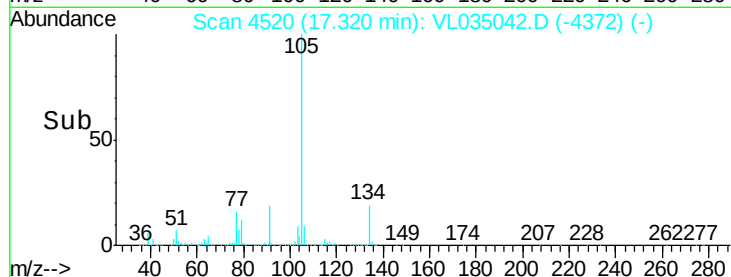
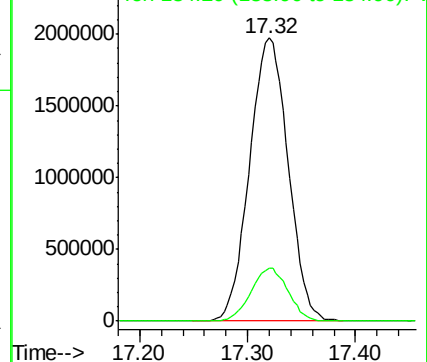
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.009 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

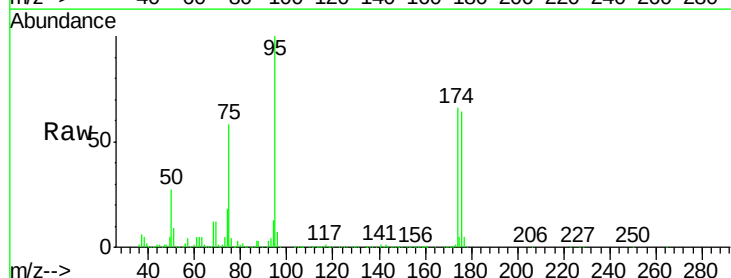
Tgt Ion: 95 Resp: 2194514

Ion Ratio Lower Upper

95 100

174 64.8 51.5 77.3

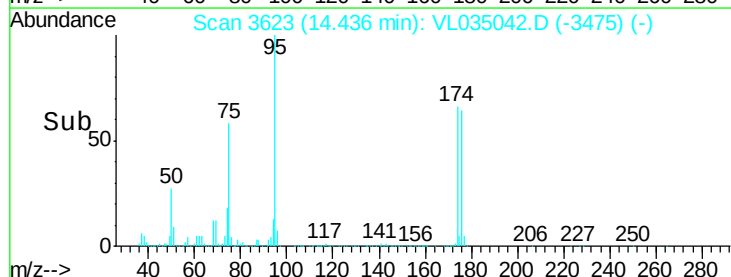
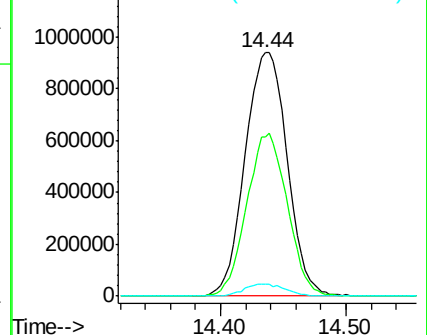
175 4.8 3.8 5.8

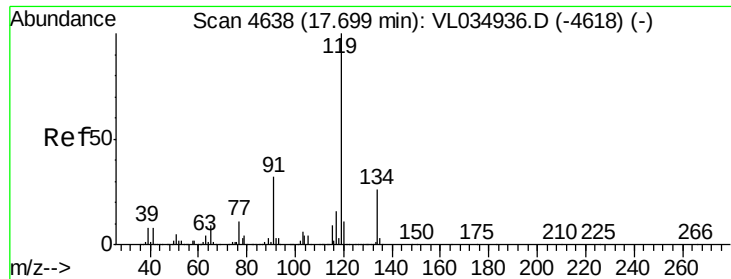


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





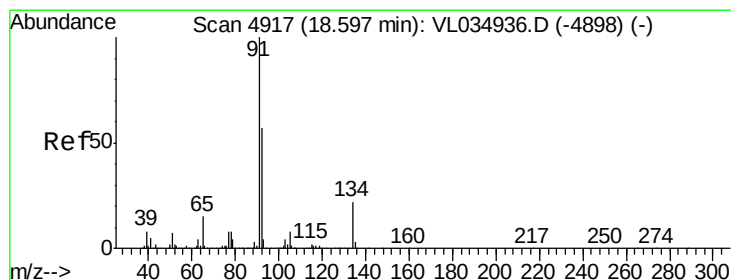
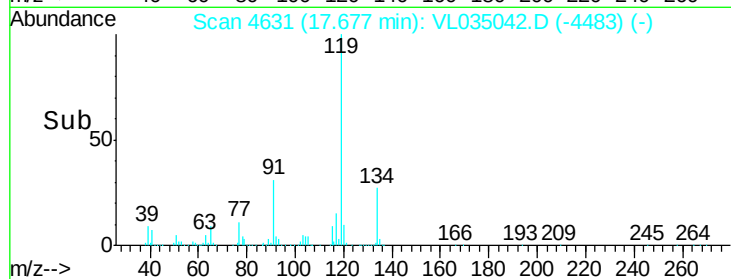
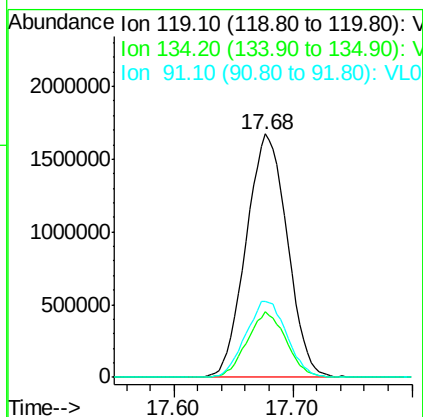
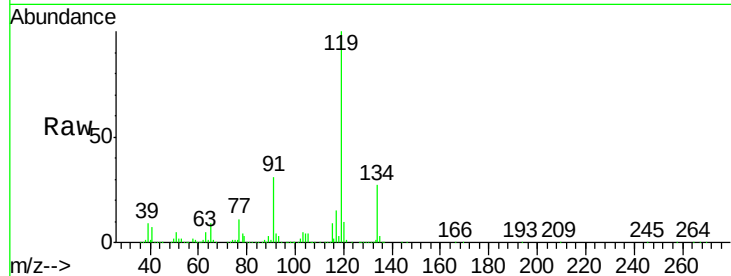
#69
 p-Isopropyltoluene
 Concen: 9.208 ppbv
 RT: 17.68 min Scan# 4631
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.3	30.5
91	31.3	24.6	36.8

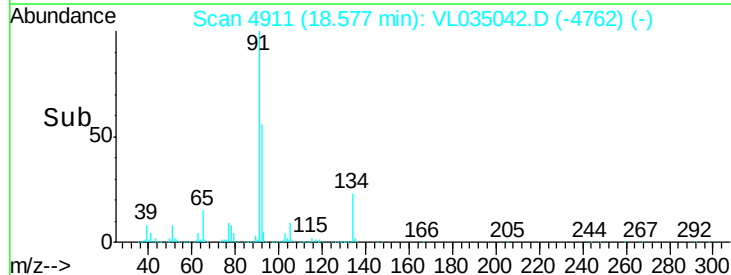
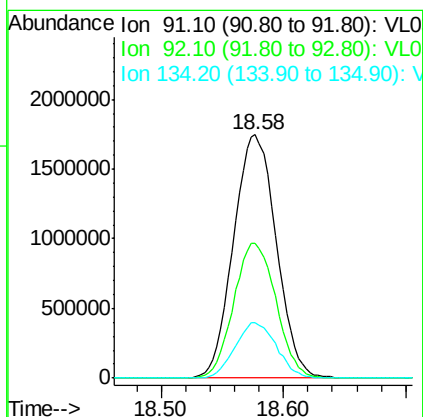
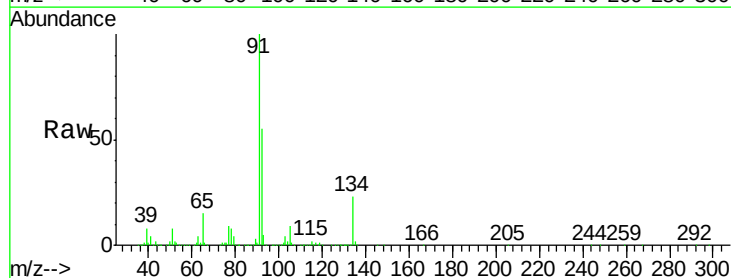
Manual Integrations
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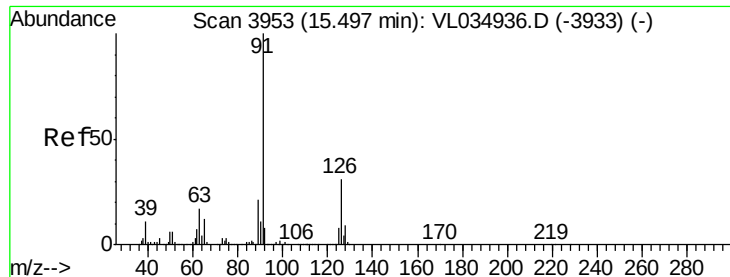
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#70
 n-Butylbenzene
 Concen: 9.144 ppbv
 RT: 18.58 min Scan# 4911
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.0	44.4	66.6
134	22.2	18.0	27.0





#71

2-Chlorotoluene

Concen: 9.378 ppbv

RT: 15.47 min Scan# 3946

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3073603

Ion Ratio Lower Upper

91 100

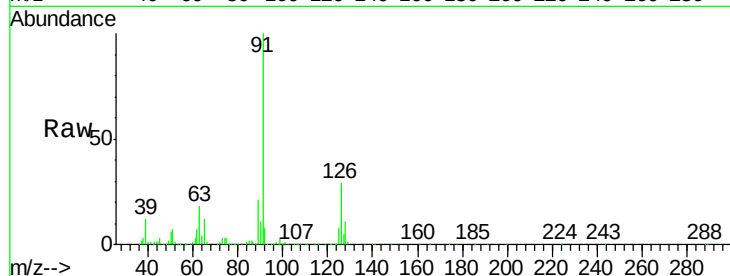
126 29.7 12.0 47.8

Manual Integrations

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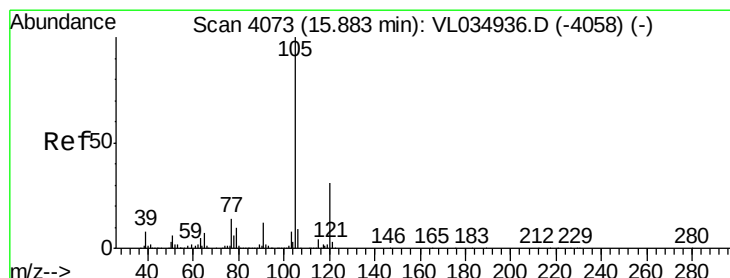
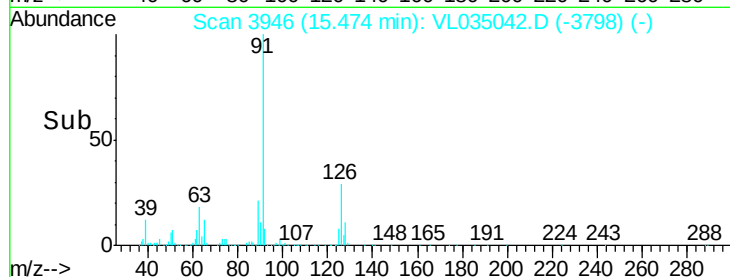
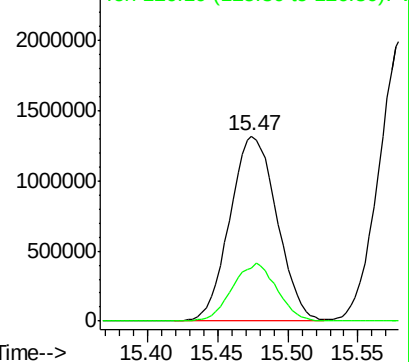
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.695 ppbv

RT: 15.86 min Scan# 4067

Delta R.T. -0.02 min

Lab File: VL035042.D

Acq: 19 May 2020 12:09

Tgt Ion: 105 Resp: 3145428

Ion Ratio Lower Upper

105 100

120 29.3 23.8 35.8

91 13.3 10.6 15.8

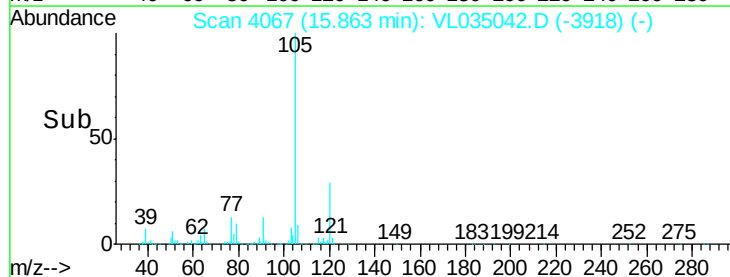
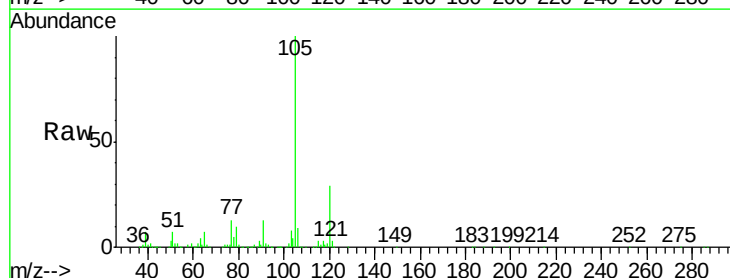
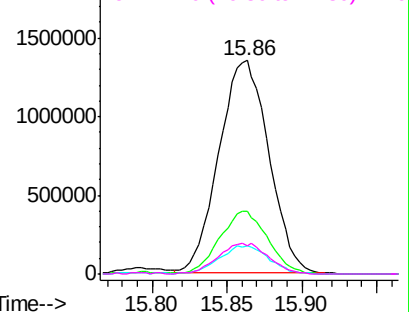
77 14.5 11.6 17.4

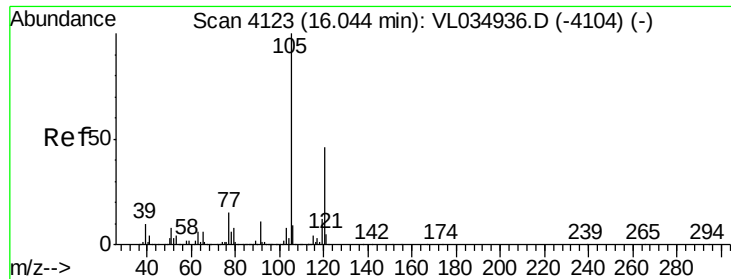
Abundance Ion 105.10 (104.80 to 105.80): V

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





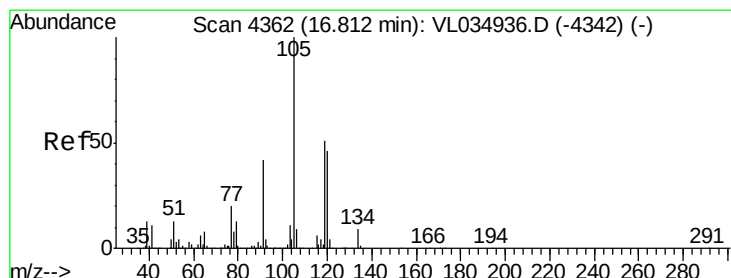
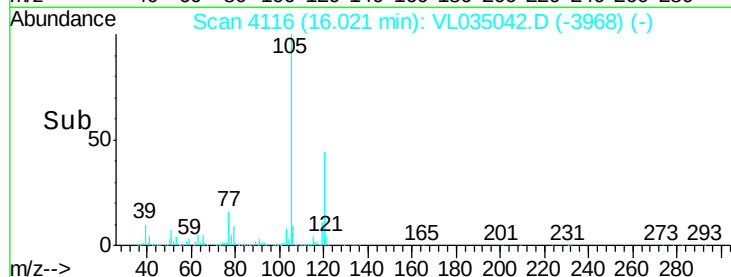
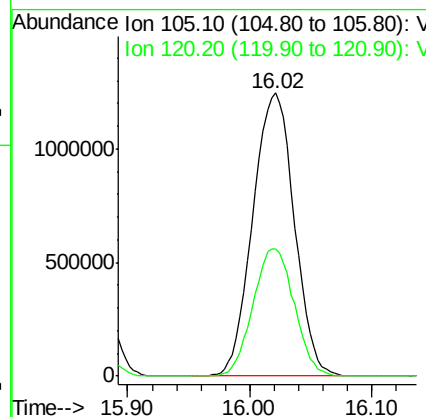
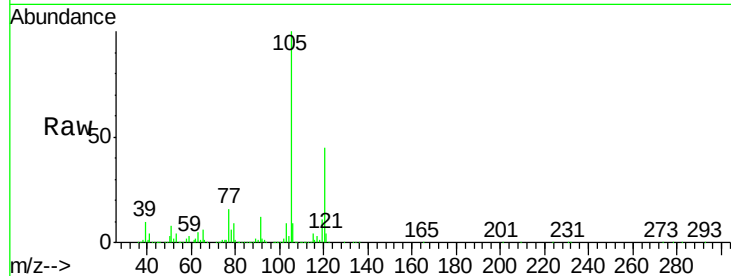
#73
 1,3,5-Trimethylbenzene
 Concen: 9.251 ppbv
 RT: 16.02 min Scan# 4116
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 2920883
 Ion Ratio Lower Upper
 105 100
 120 45.2 36.4 54.6

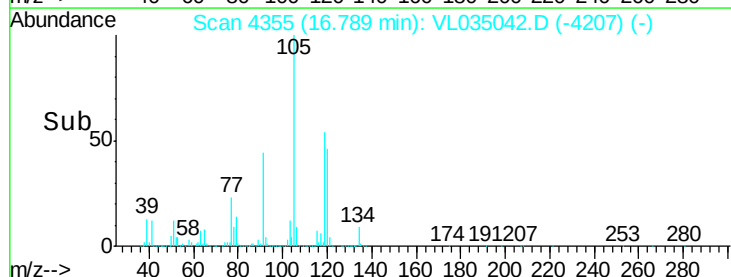
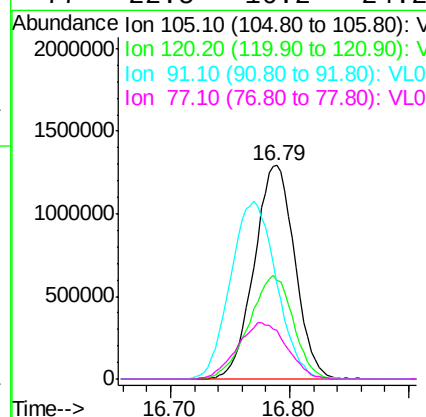
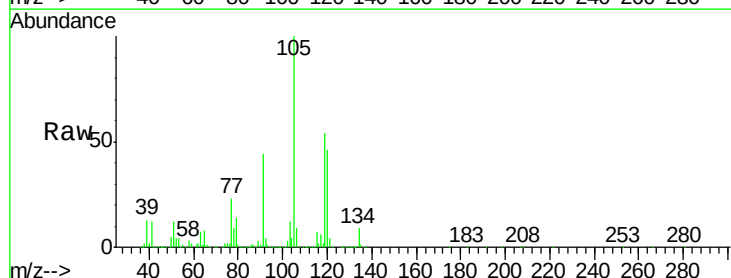
Manual Integrations
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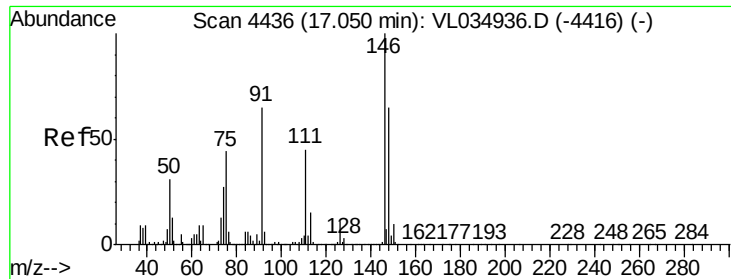
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 5/20/2020 4:26:46 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 8.826 ppbv
 RT: 16.79 min Scan# 4355
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Tgt Ion:105 Resp: 3041872
 Ion Ratio Lower Upper
 105 100
 120 46.0 36.8 55.2
 91 44.1 35.4 53.0
 77 22.5 16.2 24.2





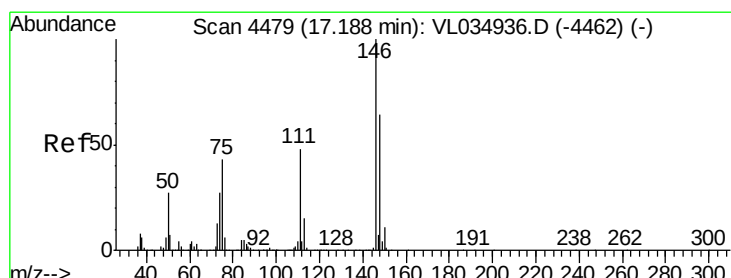
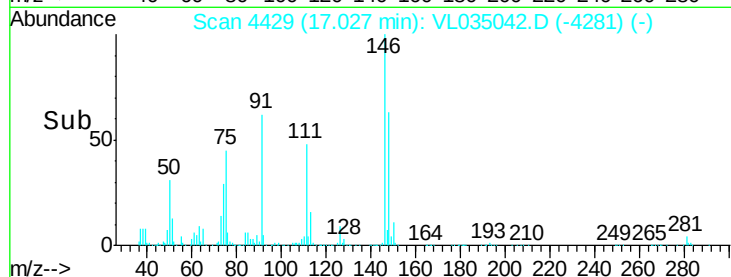
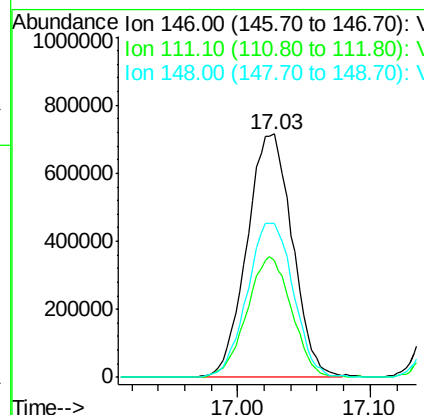
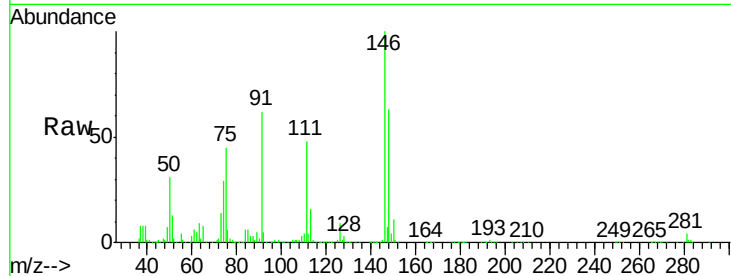
#75
 1,3-Dichlorobenzene
 Concen: 8.420 ppbv
 RT: 17.03 min Scan# 4429
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.8	24.0	72.0
148	64.6	32.6	97.7

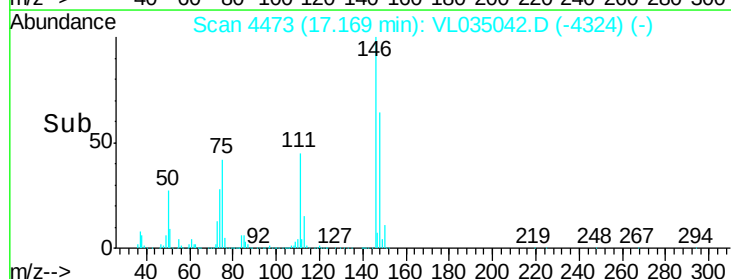
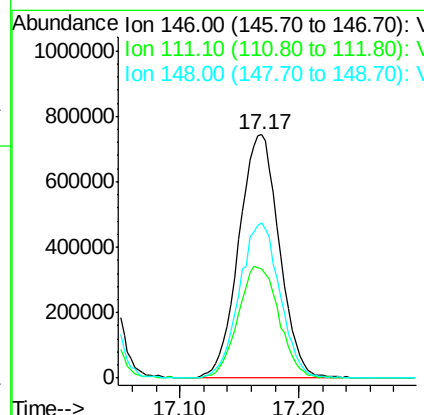
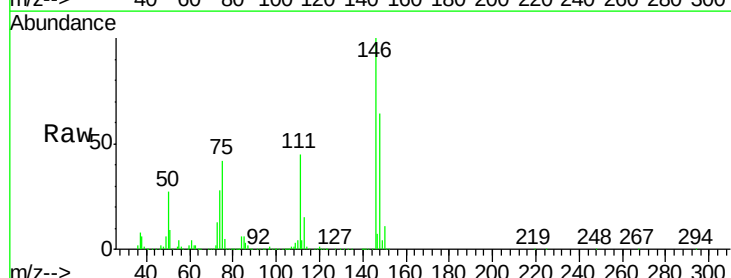
Manual Integrations
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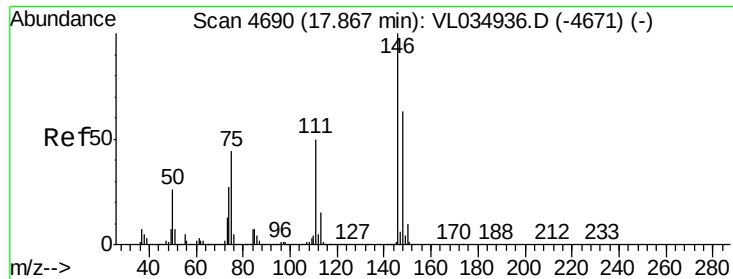
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#76
 1,4-Dichlorobenzene
 Concen: 9.042 ppbv
 RT: 17.17 min Scan# 4473
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.7	71.1
148	64.3	32.6	97.8





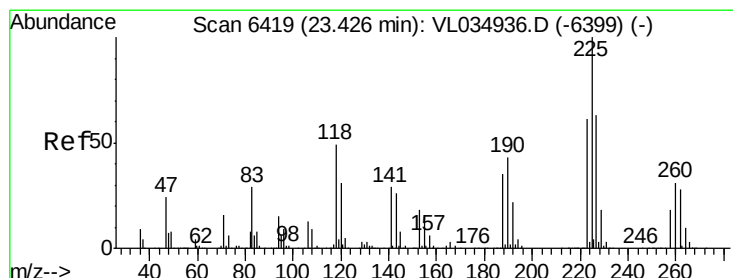
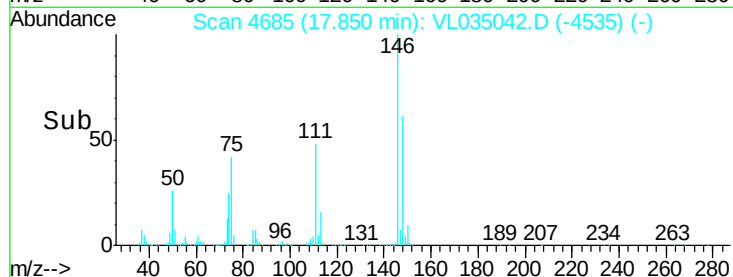
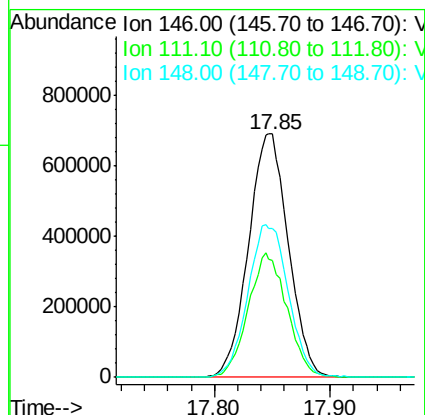
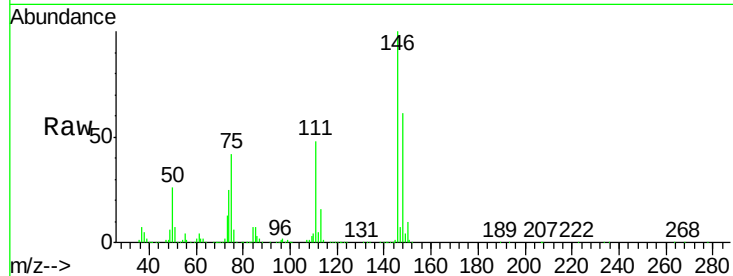
#77
 1,2-Dichlorobenzene
 Concen: 8.639 ppbv
 RT: 17.85 min Scan# 4685
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.6	24.5	73.5
148	63.8	31.7	95.1

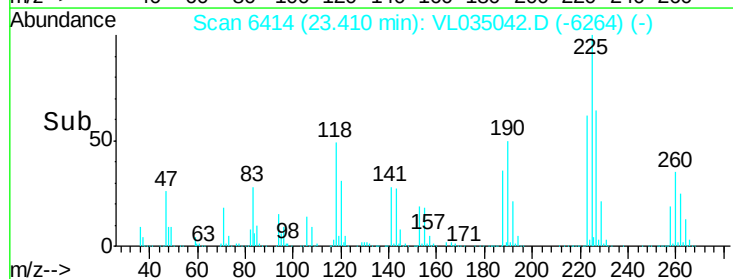
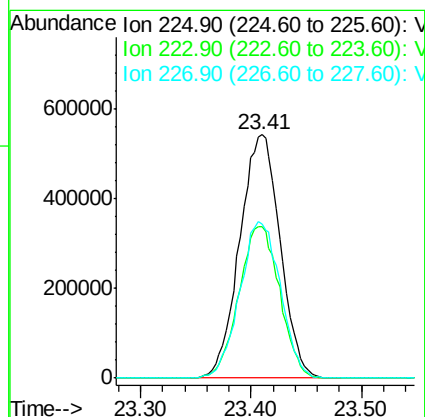
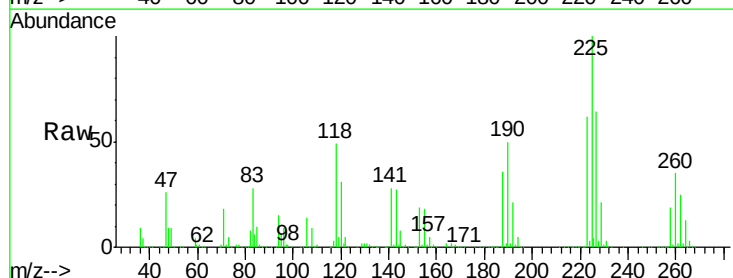
Manual Integrations
 APPROVED

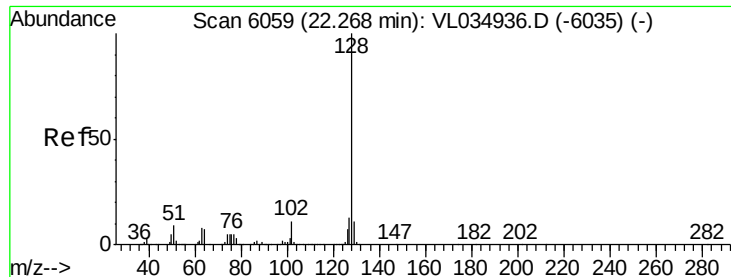
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.475 ppbv
 RT: 23.41 min Scan# 6414
 Delta R.T. -0.02 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.8	74.8
227	64.5	51.8	77.6





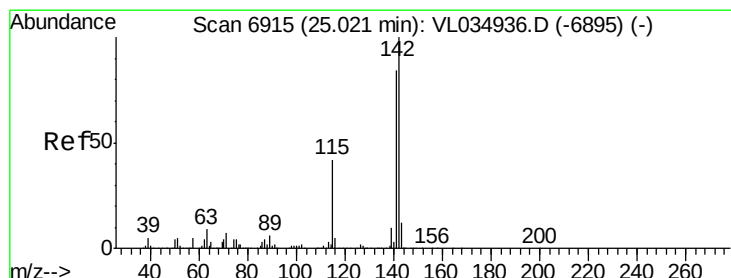
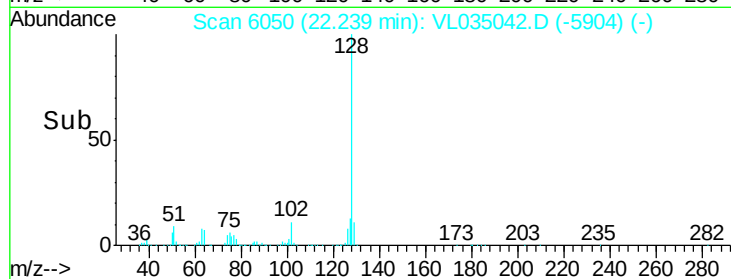
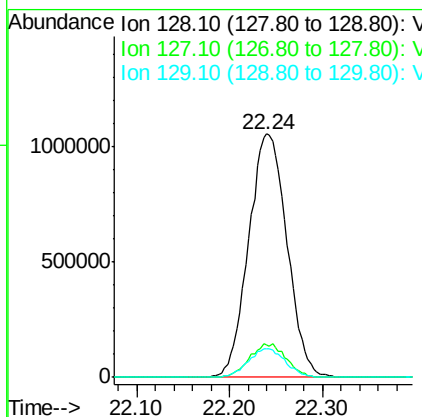
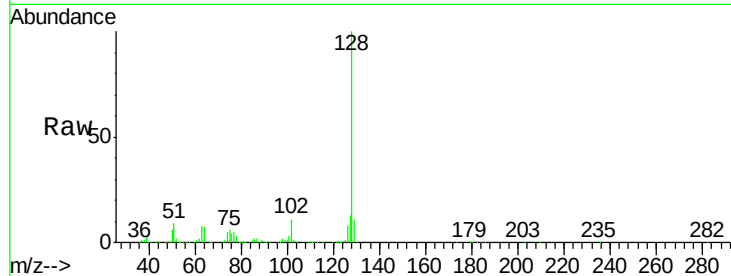
#79
Naphthalene
Concen: 11.287 ppbv
RT: 22.24 min Scan# 6050
Delta R.T. -0.03 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.4	9.0	13.4

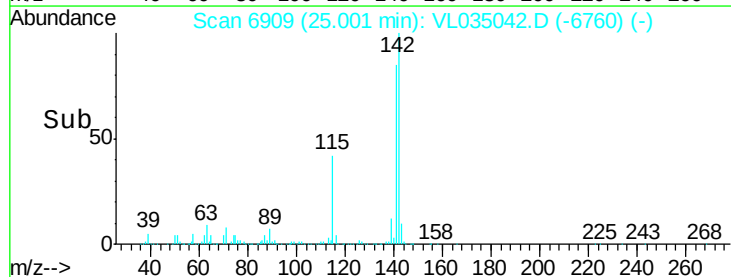
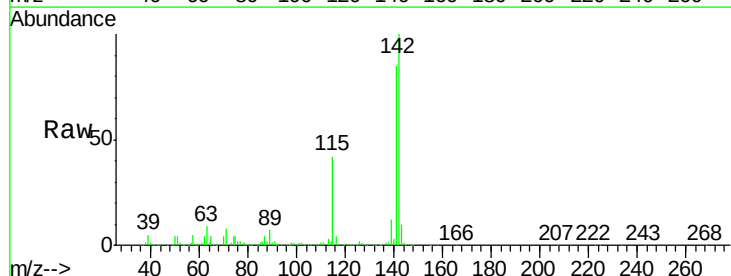
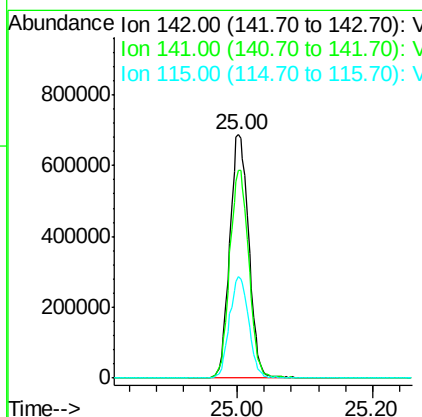
Manual Integrations
APPROVED

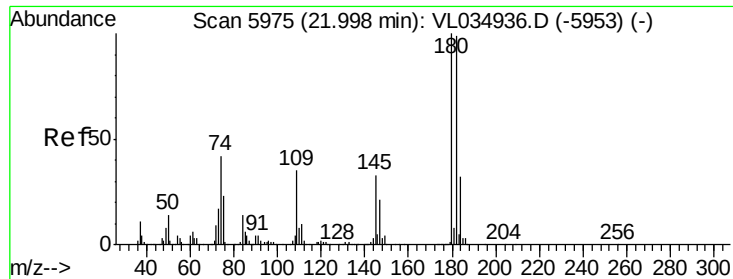
MMDadoda
5/20/2020 4:26:46 PM



#80
Naphthalene, 2-methyl-
Concen: 20.481 ppbv
RT: 25.00 min Scan# 6909
Delta R.T. -0.02 min
Lab File: VL035042.D
Acq: 19 May 2020 12:09

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.2	68.6	102.8
115	42.0	33.9	50.9





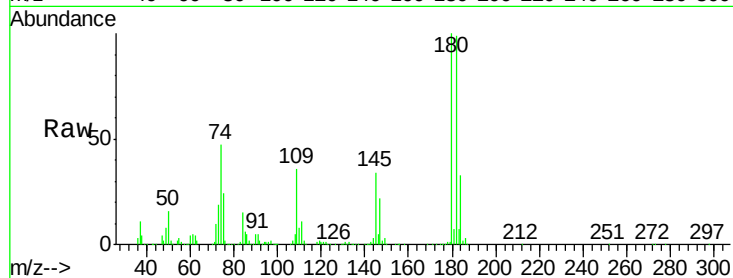
#81
 1,2,4-Trichlorobenzene
 Concen: 9.665 ppbv
 RT: 21.97 min Scan# 5966
 Delta R.T. -0.03 min
 Lab File: VL035042.D
 Acq: 19 May 2020 12:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.5	116.3
184	31.5	24.8	37.2

Manual Integrations
 APPROVED

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 5/20/2020 4:26:46 PM



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

