

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022620\
 Data File : VL034676.D
 Acq On : 26 Feb 2020 2:27
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

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 2/27/2020 5:19:09 PM

Quant Time: Feb 26 03:44:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 26 03:37:46 2020
 QLast Update : Wed Feb 26 03:37:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1135640	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2399506	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2550994m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2023160	9.66	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.60%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1382375	7.874	ppbv	100
3) Chlorodifluoromethane	2.95	51	1132757	8.244	ppbv	100
4) Chloromethane	3.11	50	654606	7.908	ppbv	100
5) Vinyl Chloride	3.22	62	636779	8.271	ppbv	100
6) Bromomethane	3.44	94	376149	9.359	ppbv	100
7) Chloroethane	3.53	64	240730	8.505	ppbv	100
8) Dichlorotetrafluoroethane	3.15	85	1424796	8.079	ppbv	100
9) Propene	2.97	41	495891	8.912	ppbv	100
10) Heptane	8.14	43	1326463	9.073	ppbv	100
11) Trichlorofluoromethane	3.92	101	1435366	8.057	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1001871	8.157	ppbv	100
13) Ethanol	3.58	45	147721	8.625	ppbv	99
14) Bromoethene	3.71	108	441963	8.723	ppbv	100
15) Acetone	3.83	43	1119680	7.263	ppbv	100
16) 1,3-Butadiene	3.29	39	581217	8.865	ppbv	100
17) tert-Butyl alcohol	4.27	59	1109460	9.465	ppbv	100
18) 1,1-Dichloroethene	4.27	96	463220	8.261	ppbv	100
19) Isopropyl Alcohol	3.94	45	852300	8.042	ppbv	# 99
20) Methylene Chloride	4.32	84	406539	7.203	ppbv	100
21) Allyl Chloride	4.39	41	837958	8.925	ppbv	100
22) trans-1,2-Dichloroethene	4.87	96	468318	8.514	ppbv	100
23) Vinyl Acetate	5.06	43	1826889	9.571	ppbv	100
24) 1,1-Dichloroethane	5.00	63	1308413	8.226	ppbv	100
25) Ethyl Acetate	5.67	43	2203984	8.294	ppbv	100
26) Hexane	5.68	57	1004983	8.516	ppbv	100
27) Carbon Disulfide	4.53	76	1230388	9.177	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1506955	8.843	ppbv	100
29) Chloroform	5.75	83	1560038	8.308	ppbv	100
30) Cyclohexane	7.14	84	823562	9.119	ppbv	100
31) cis-1,2-Dichloroethene	5.55	61	1052465	9.199	ppbv	100
32) 1,1,1-Trichloroethane	6.52	97	1480732	8.610	ppbv	100
34) 2-Butanone	5.23	43	1469081	8.634	ppbv	100
35) Carbon Tetrachloride	7.03	117	1550341	8.483	ppbv	100
36) Benzene	6.90	78	2002933	8.859	ppbv	100
37) 1,2-Dichloroethane	6.31	62	1241628	8.392	ppbv	100
38) Trichloroethene	7.85	130	746561	8.699	ppbv	100
39) 1,2-Dichloropropane	7.63	63	808777	8.693	ppbv	100
40) 1,4-Dioxane	7.85	88	299105	8.606	ppbv	100
41) Tetrahydrofuran	6.05	42	829923	9.320	ppbv	100
42) Bromodichloromethane	7.81	83	1682160	8.764	ppbv	100
43) Methyl Methacrylate	8.02	69	924586	10.432	ppbv	100

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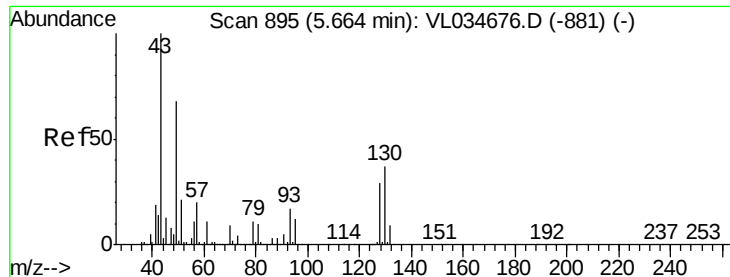
Manual Integrations
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Quant Time: Feb 26 03:44:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3489125	8.584	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1100938	10.612	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1267925	10.449	ppbv	100
47) 1,1,2-Trichloroethane	9.50	97	819343	8.334	ppbv	100
48) Dibromochloromethane	10.33	129	1360473	9.013	ppbv	100
49) Bromoform	13.08	173	1189869	9.015	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2182373	9.031	ppbv	100
51) 2-Hexanone	10.16	43	1804229	9.465	ppbv	100
52) Tetrachloroethene	11.25	164	683634	8.570	ppbv	100
53) Toluene	9.83	91	2285814	9.401	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1251029	9.135	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	980341	8.789	ppbv	100
57) Chlorobenzene	12.18	112	1690854	8.021	ppbv	100
58) Ethyl Benzene	12.74	91	3029783	8.927	ppbv	100
59) m/p-Xylene	13.03	91	5070783m	17.031	ppbv	
60) o-Xylene	13.73	91	2476109	8.325	ppbv	100
61) Styrene	13.57	104	1806565	8.890	ppbv	100
62) Isopropylbenzene	14.70	105	3604792	9.149	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	1764550	7.471	ppbv	100
64) n-propylbenzene	15.60	120	957100	9.571	ppbv	100
65) tert-Butylbenzene	16.79	119	3116750	9.072	ppbv	100
66) Benzyl Chloride	17.04	91	1433636	10.811	ppbv	100
67) sec-Butylbenzene	17.34	105	4436365	9.042	ppbv	100
69) p-Isopropyltoluene	17.70	119	3679038	9.435	ppbv	100
70) n-Butylbenzene	18.59	91	3979230	9.535	ppbv	100
71) 2-Chlorotoluene	15.49	91	2850406	9.436	ppbv	100
72) 4-Ethyltoluene	15.88	105	2893467	8.814	ppbv	100
73) 1,3,5-Trimethylbenzene	16.04	105	2729948	8.769	ppbv	100
74) 1,2,4-Trimethylbenzene	16.81	105	2795101	8.332	ppbv	100
75) 1,3-Dichlorobenzene	17.04	146	1607343	8.162	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	1639722	8.437	ppbv	100
77) 1,2-Dichlorobenzene	17.87	146	1571245	8.282	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	1289723	8.304	ppbv	100
79) Naphthalene	22.26	128	2695722	10.561	ppbv	100
80) Naphthalene, 2-methyl-	25.01	142	732136	13.609	ppbv	100
81) 1,2,4-Trichlorobenzene	21.99	180	1524881	9.784	ppbv	100

(#) = 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: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 49 Resp: 1135640

Ion Ratio Lower Upper

49 100

128 43.3 21.6 65.0

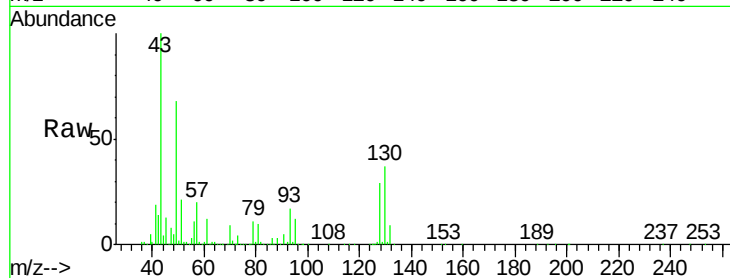
130 55.4 27.7 83.1

Manual Integrations

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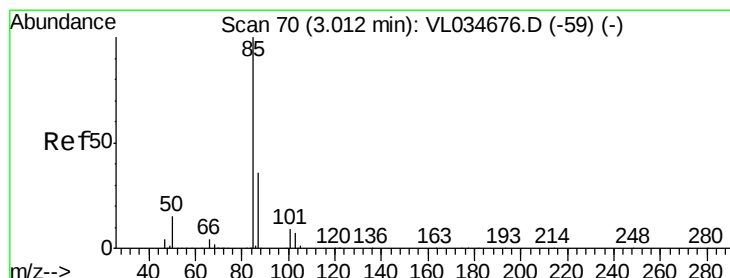
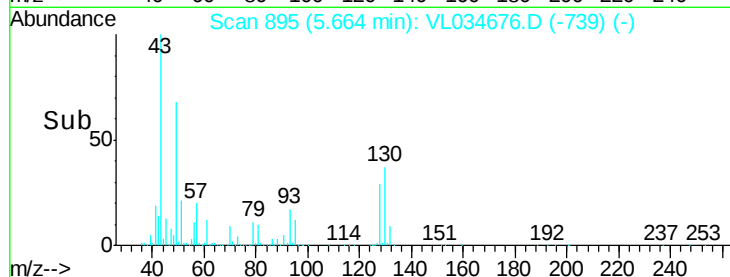
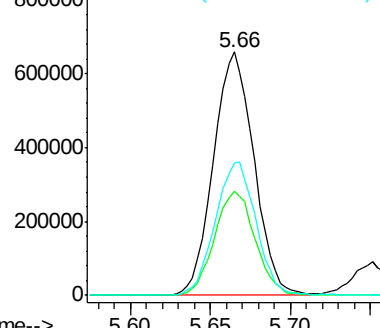
2/27/2020 5:19:09 PM



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



#2

Dichlorodifluoromethane

Concen: 7.874 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL034676.D

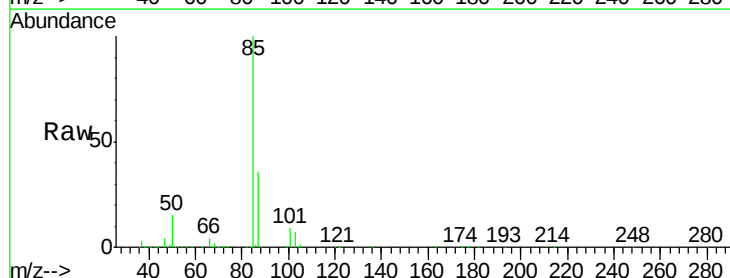
Acq: 26 Feb 2020 2:27

Tgt Ion: 85 Resp: 1382375

Ion Ratio Lower Upper

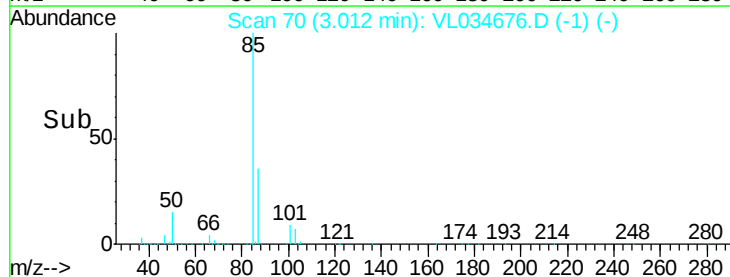
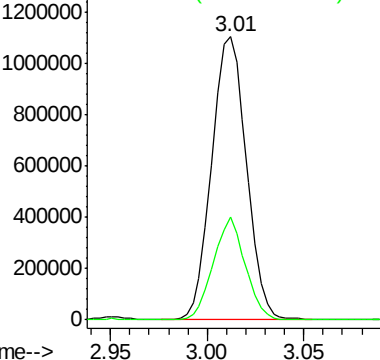
85 100

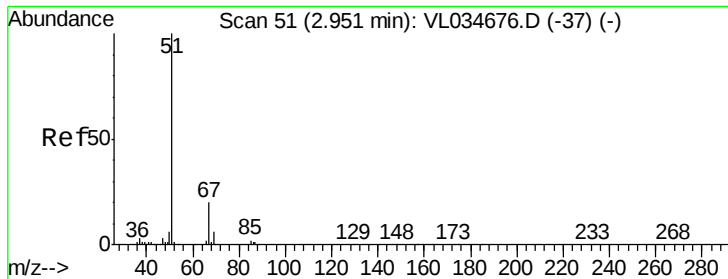
87 36.5 29.2 43.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.244 ppbv

RT: 2.95 min Scan# 51

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Tot Ion: 51 Resp: 1132757

Ion Ratio Lower Upper

51 100

67 19.4 15.5 23.3

Instrument :

MSVOA_L

ClientSampleId :

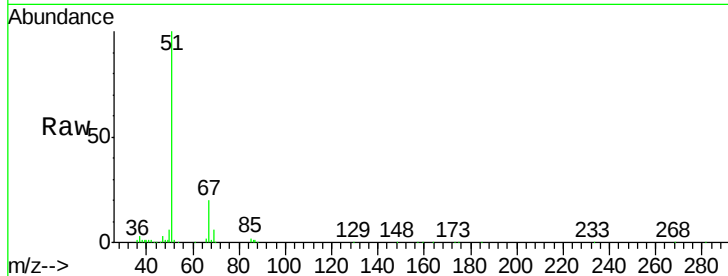
VSTDICCC010

Manual Integrations

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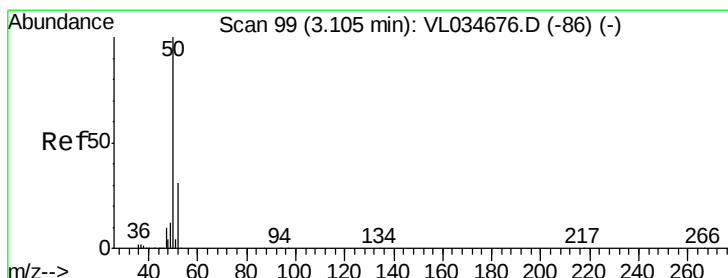
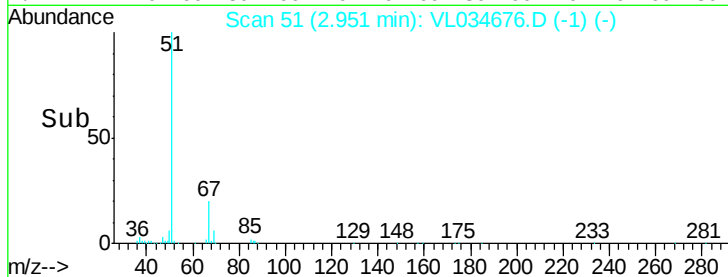
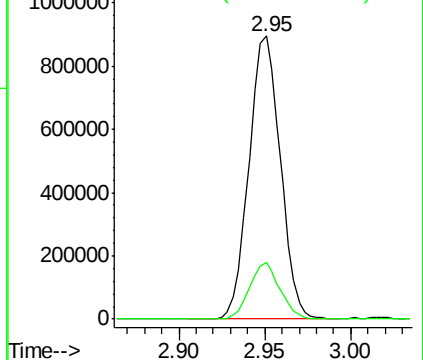
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 7.908 ppbv

RT: 3.11 min Scan# 99

Delta R.T. 0.00 min

Lab File: VL034676.D

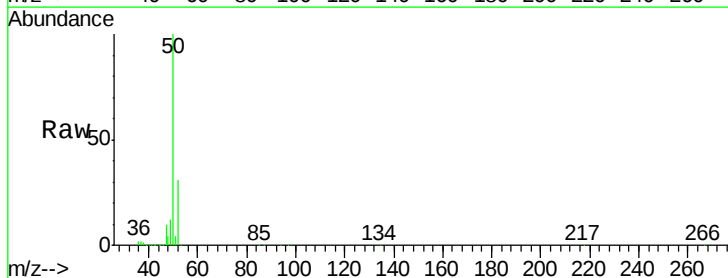
Acq: 26 Feb 2020 2:27

Tgt Ion: 50 Resp: 654606

Ion Ratio Lower Upper

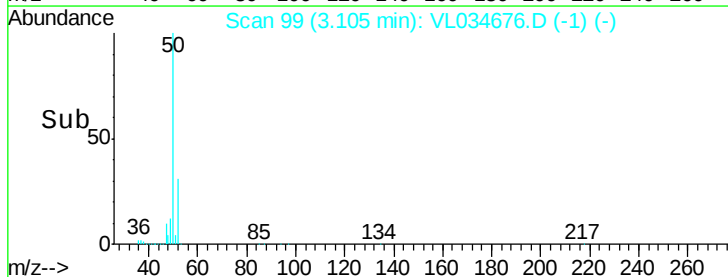
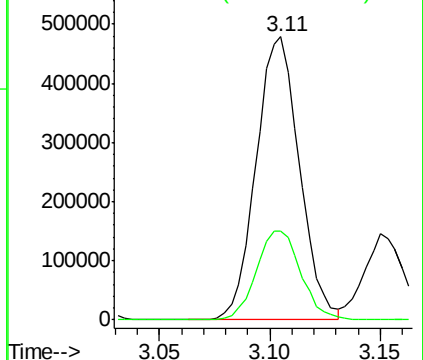
50 100

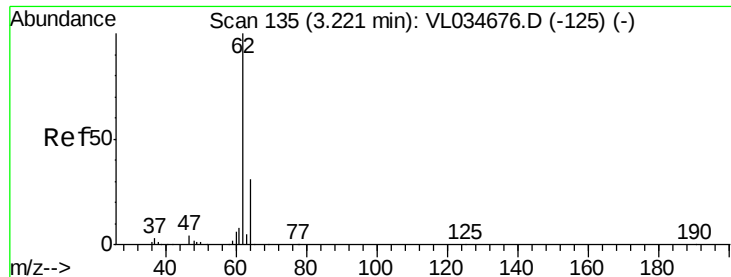
52 31.2 25.0 37.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.271 ppbv

RT: 3.22 min Scan# 135

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampled :

VSTDICCC010

Tot Ion: 62 Resp: 636779

Ion Ratio Lower Upper

62 100

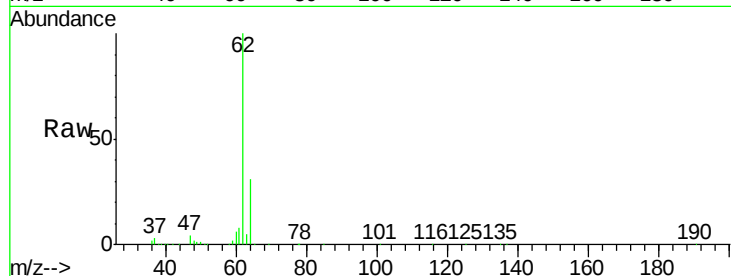
64 30.9 24.7 37.1

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.22

500000

400000

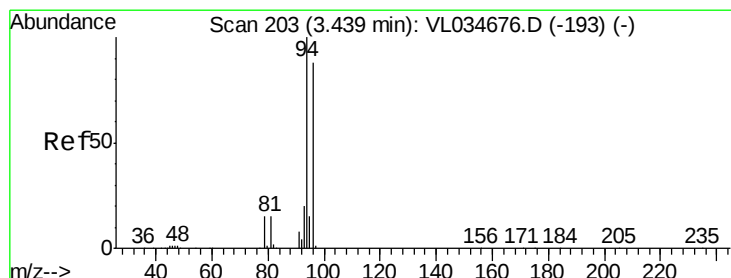
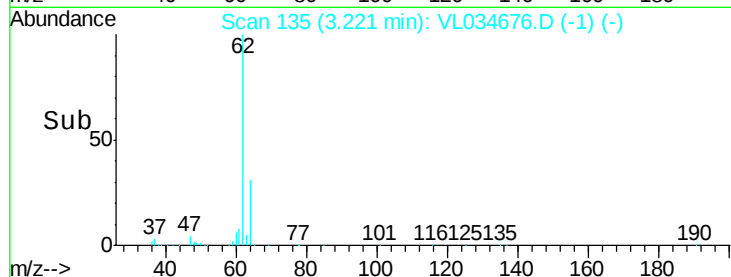
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.359 ppbv

RT: 3.44 min Scan# 203

Delta R.T. 0.00 min

Lab File: VL034676.D

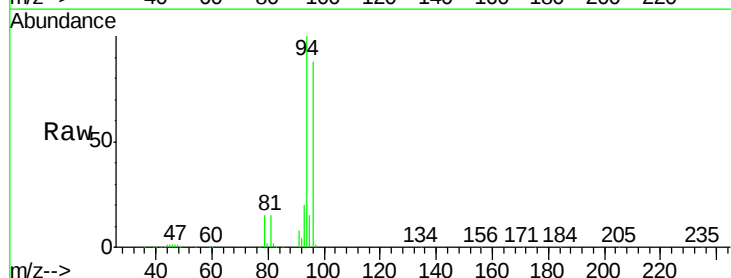
Acq: 26 Feb 2020 2:27

Tgt Ion: 94 Resp: 376149

Ion Ratio Lower Upper

94 100

96 88.1 70.5 105.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.44

300000

250000

200000

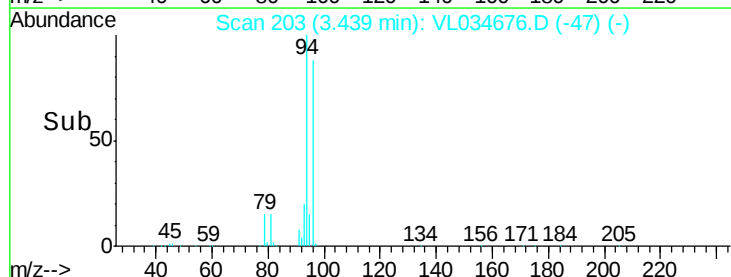
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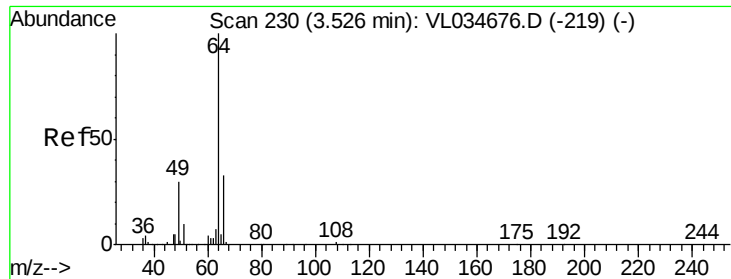
100000

50000

0

Time-->





#7

Chloroethane

Concen: 8.505 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 240730

Ion Ratio Lower Upper

64 100

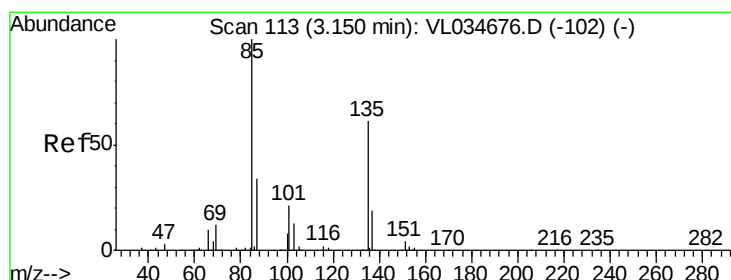
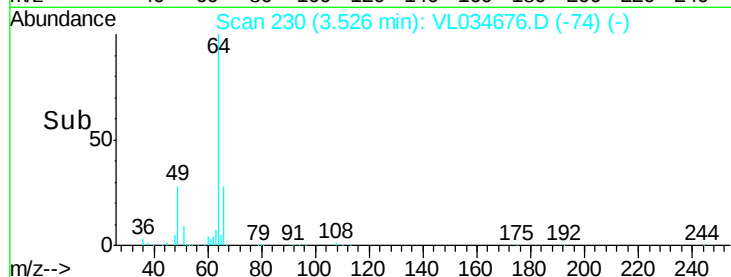
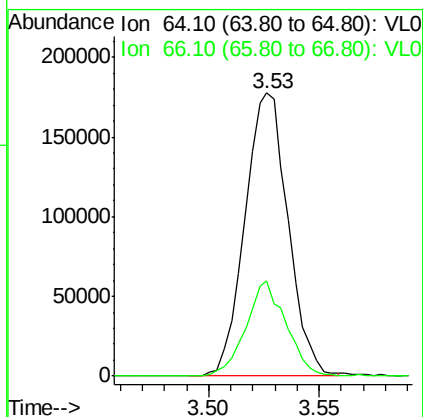
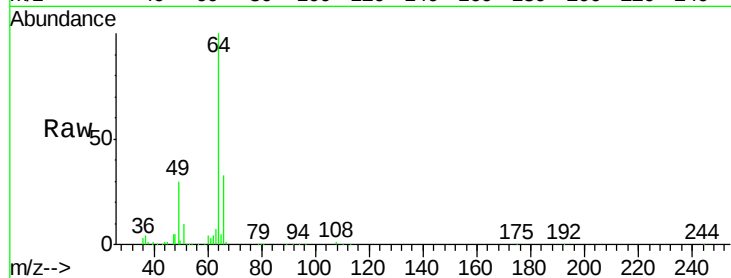
66 33.4 26.7 40.1

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.079 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL034676.D

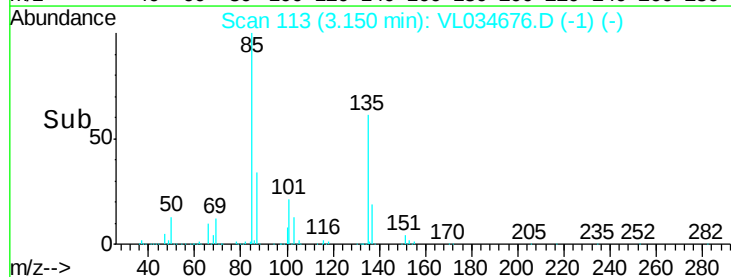
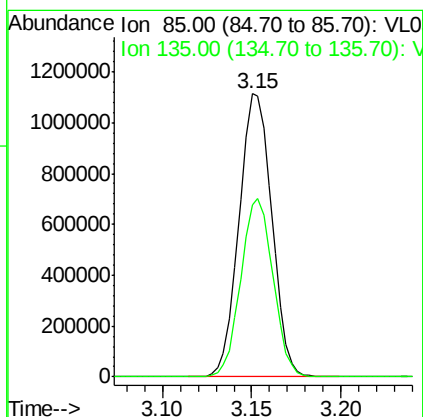
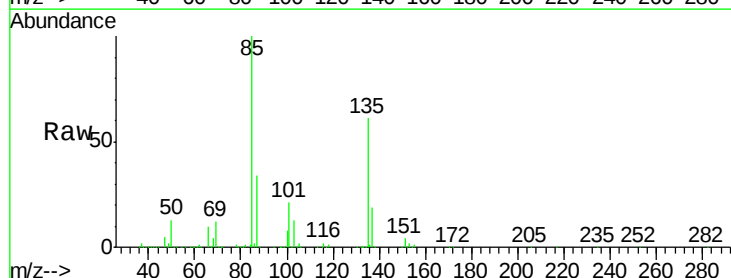
Acq: 26 Feb 2020 2:27

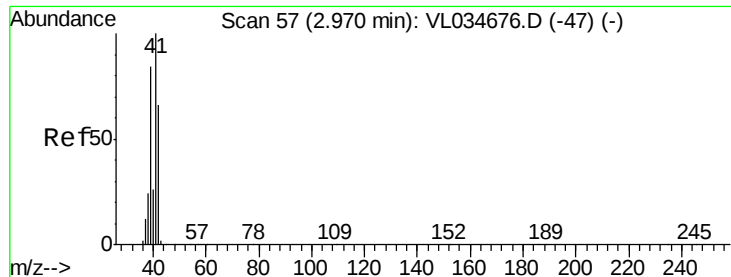
Tgt Ion: 85 Resp: 1424796

Ion Ratio Lower Upper

85 100

135 62.2 49.8 74.6





#9

Propene

Concen: 8.912 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 41 Resp: 495891

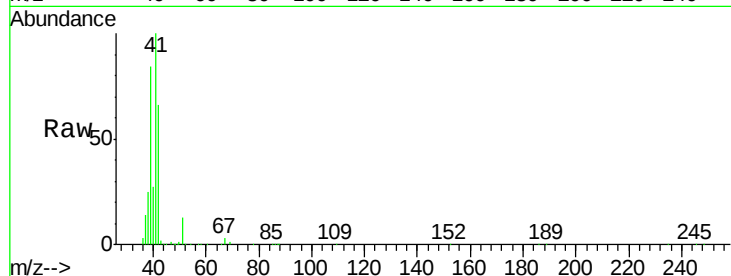
Ion Ratio Lower Upper

41 100

42 68.6 54.9 82.3

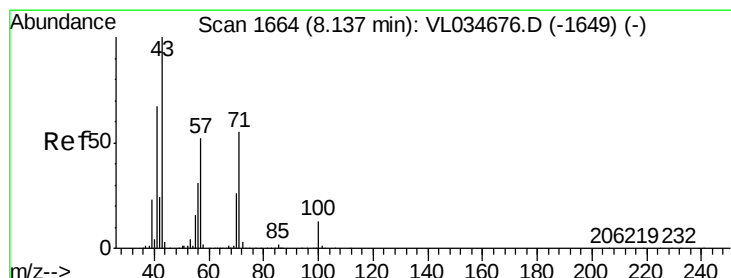
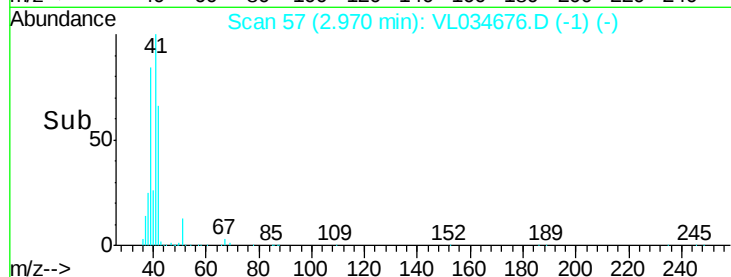
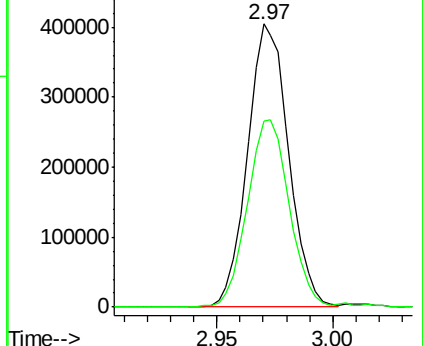
Manual Integrations
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.073 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VL034676.D

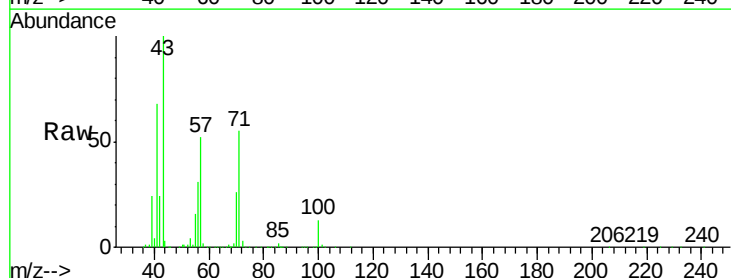
Acq: 26 Feb 2020 2:27

Tgt Ion: 43 Resp: 1326463

Ion Ratio Lower Upper

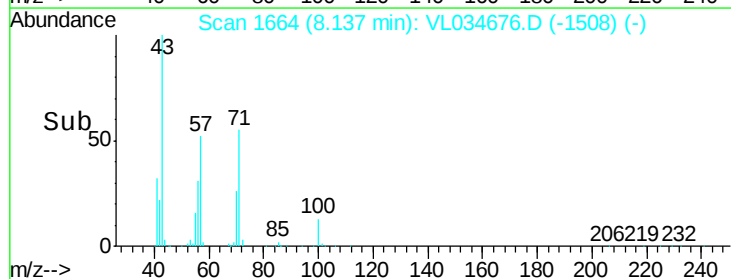
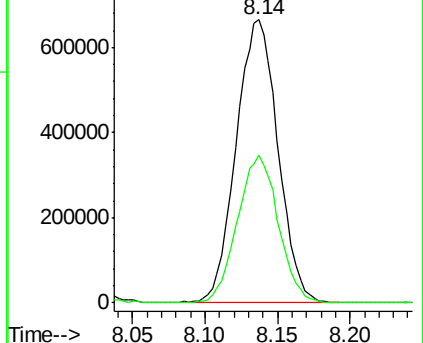
43 100

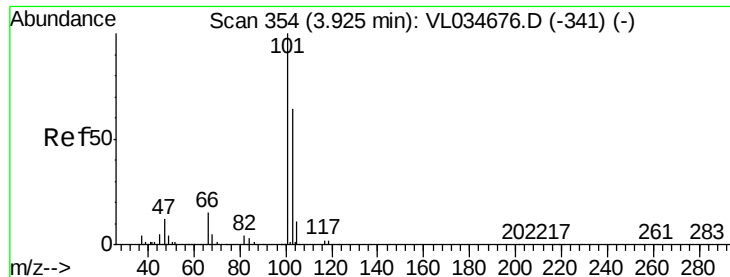
57 51.4 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





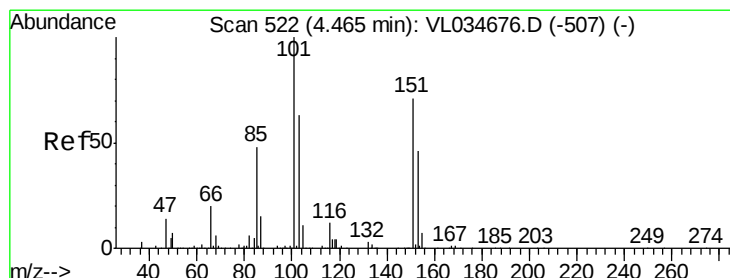
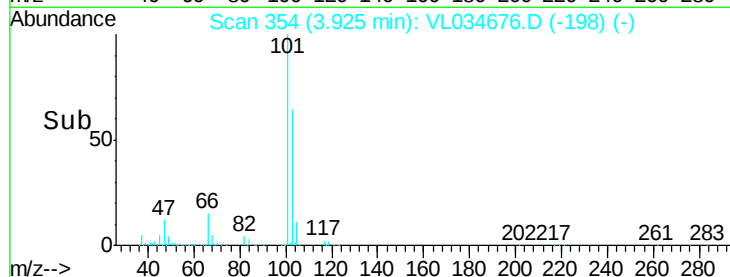
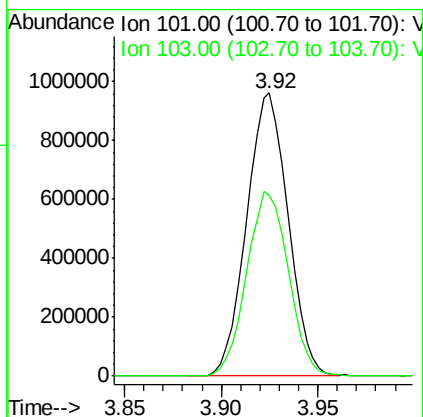
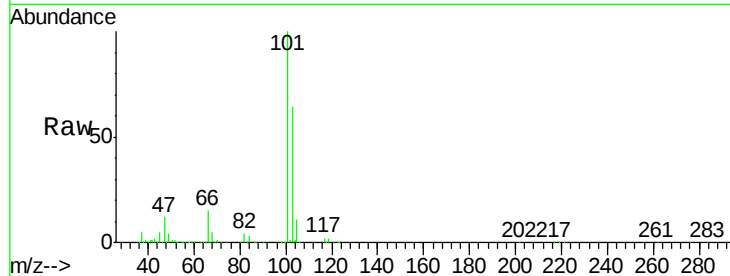
#11
 Trichlorofluoromethane
 Concen: 8.057 ppbv
 RT: 3.92 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:101 Resp: 1435366
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.2 76.8

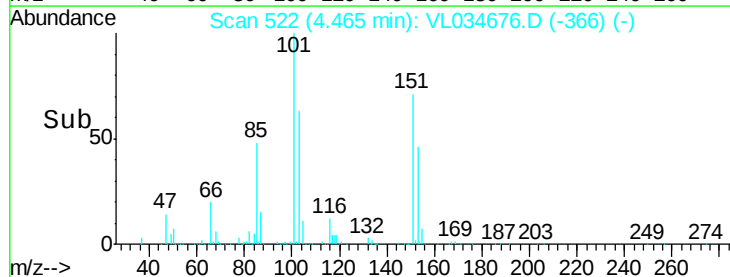
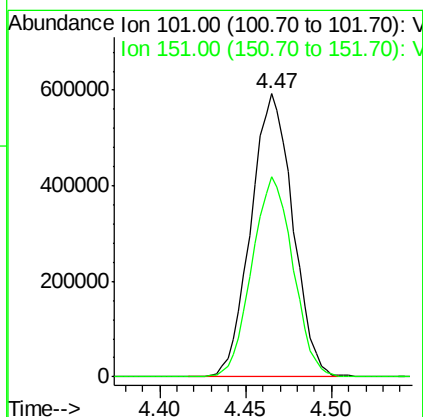
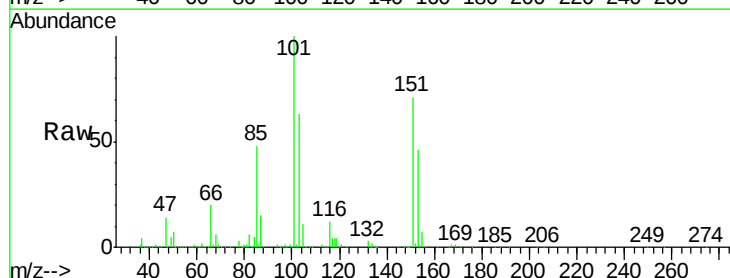
Manual Integrations
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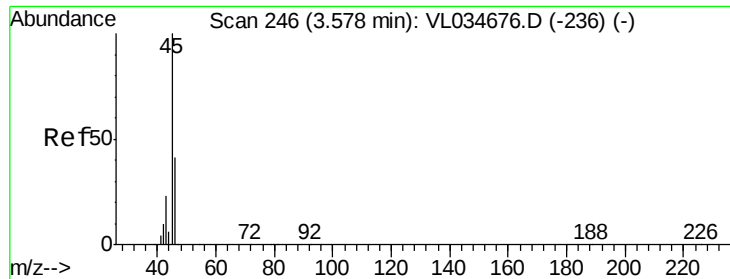
MMDadoda
 2/27/2020 5:19:09 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.157 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Tgt Ion:101 Resp: 1001871
 Ion Ratio Lower Upper
 101 100
 151 69.7 55.8 83.6





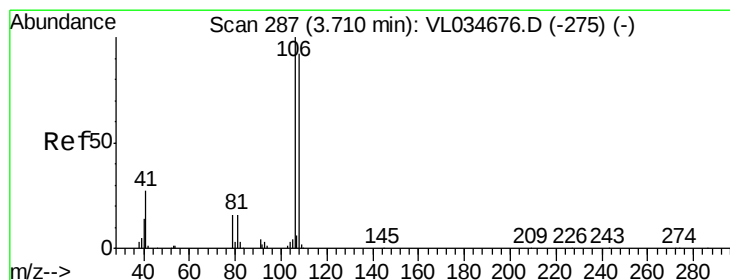
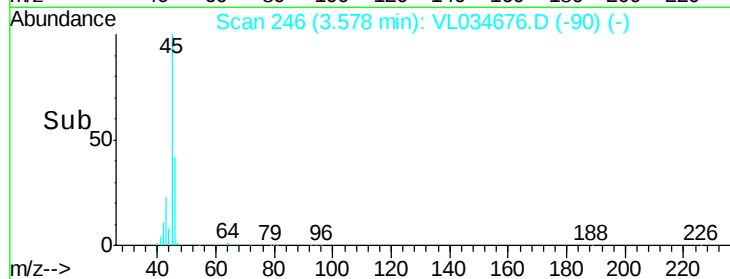
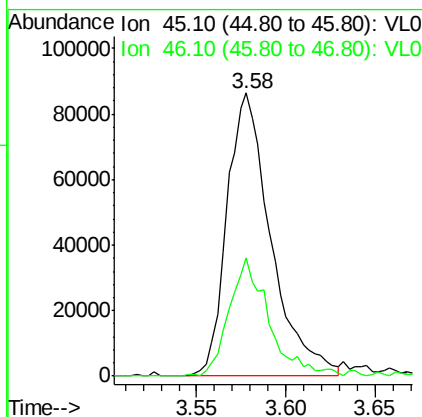
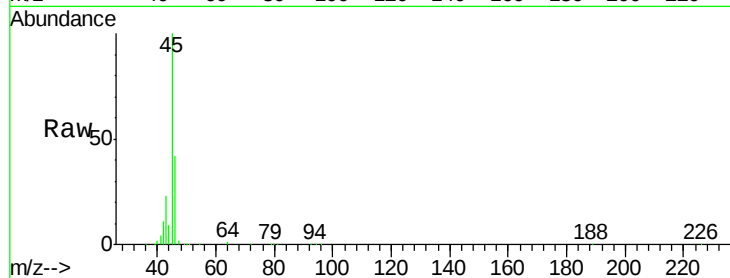
#13
Ethanol
Concen: 8.625 ppbv
RT: 3.58 min Scan# 246
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	45	46	Ratio	Lower	Upper
147721	100	38.7		15.4	61.4

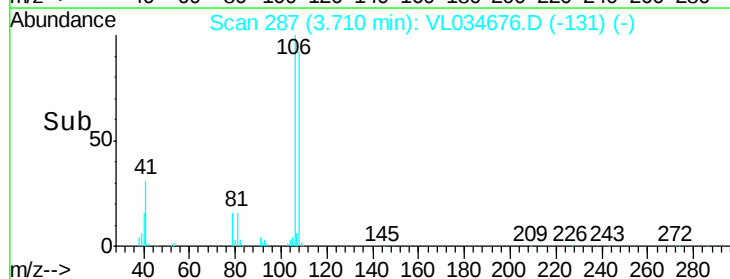
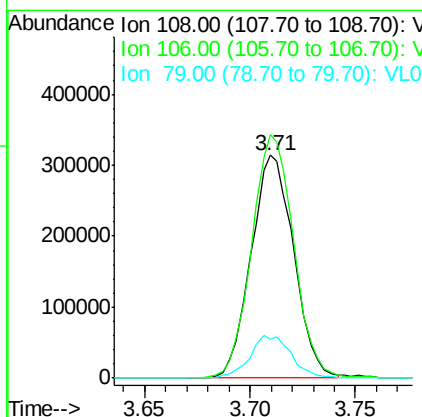
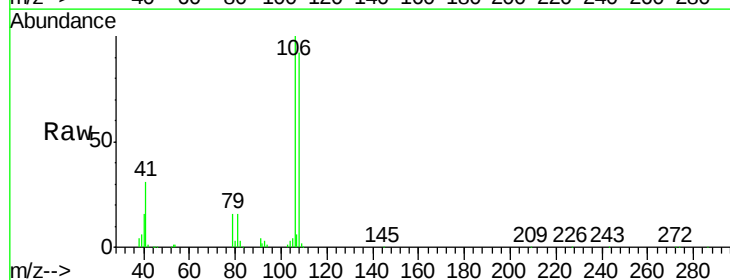
Manual Integrations
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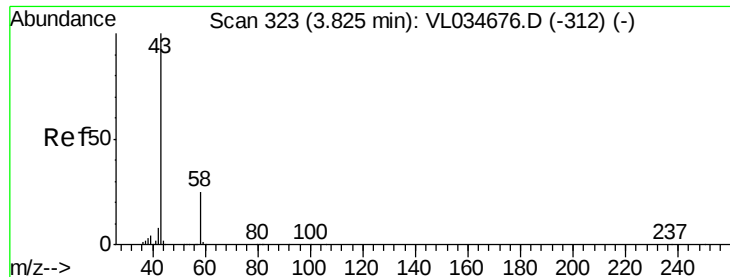
MMDadoda
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#14
Bromoethene
Concen: 8.723 ppbv
RT: 3.71 min Scan# 287
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Tgt Ion	108	106	79	Ratio	Lower	Upper
441963	100	108.2	18.9		86.7	130.1





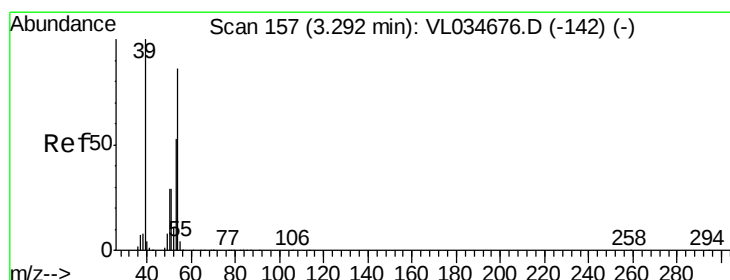
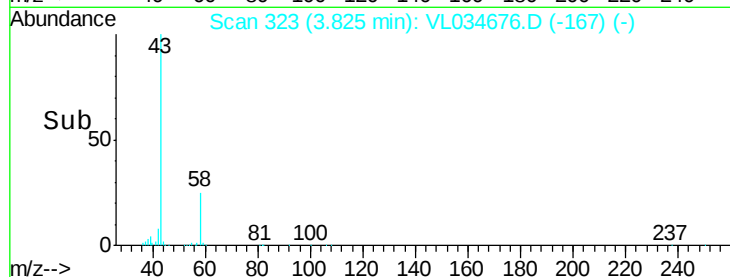
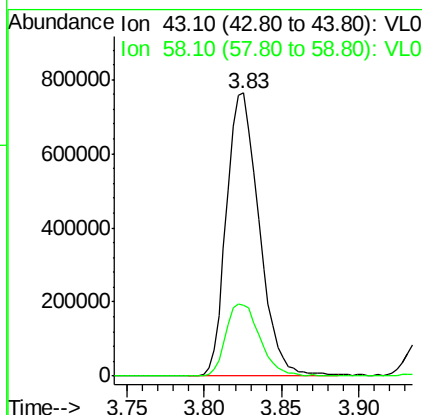
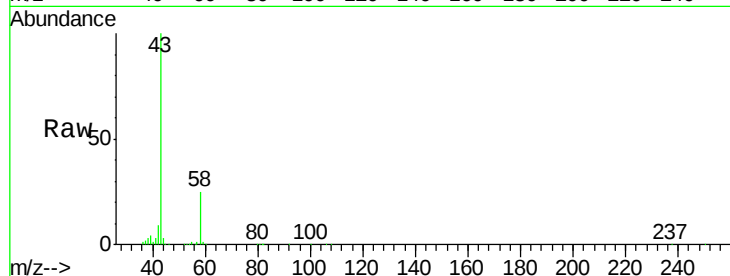
#15
Acetone
Concen: 7.263 ppbv
RT: 3.83 min Scan# 323
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 1119680
Ion Ratio Lower Upper
43 100
58 26.7 21.4 32.0

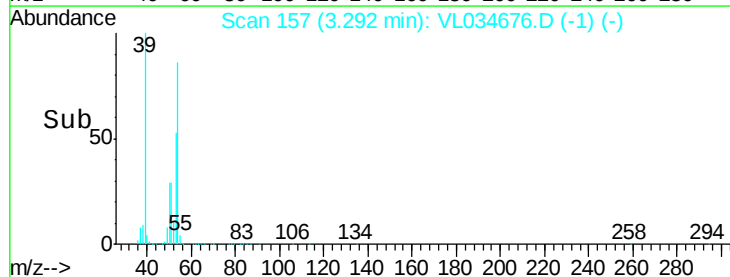
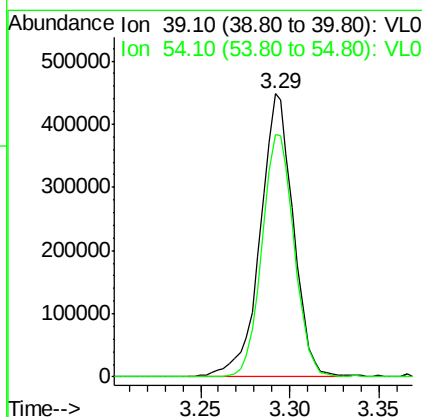
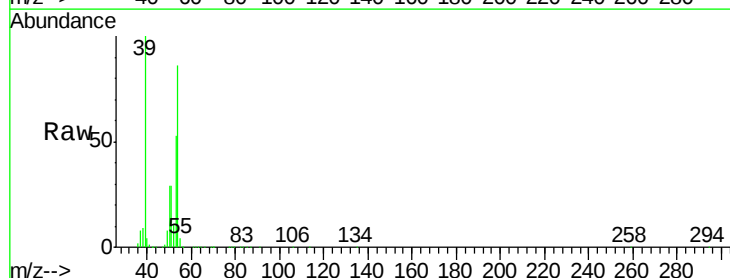
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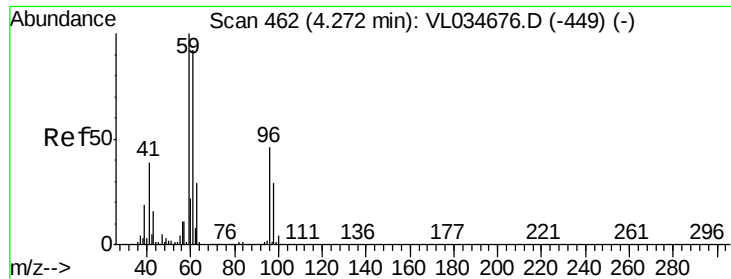
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#16
1,3-Butadiene
Concen: 8.865 ppbv
RT: 3.29 min Scan# 157
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Tgt Ion: 39 Resp: 581217
Ion Ratio Lower Upper
39 100
54 83.8 67.0 100.6





#17

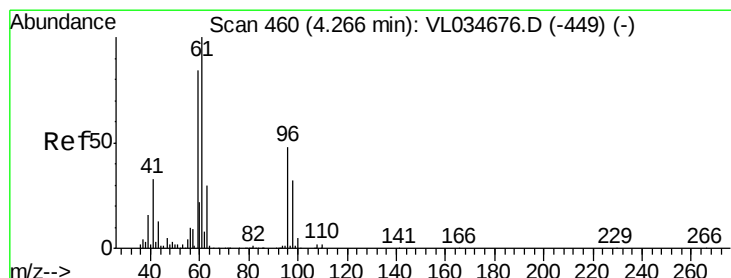
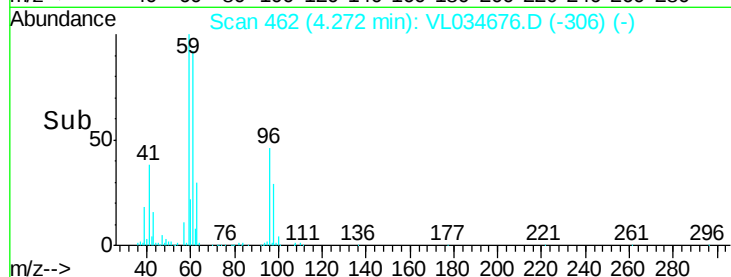
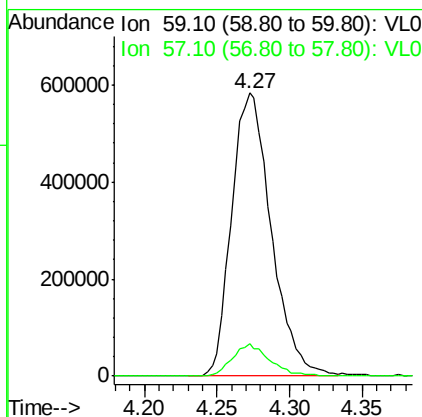
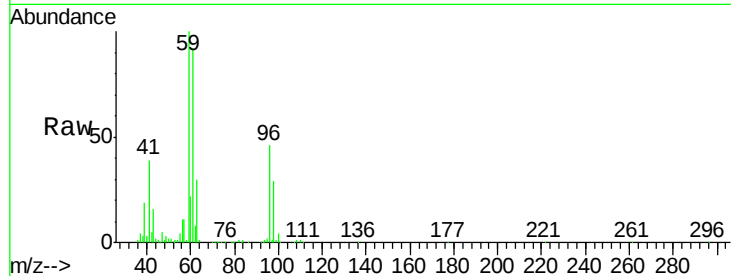
tert-Butyl alcohol
Concen: 9.465 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 59 Resp: 1109460
Ion Ratio Lower Upper
59 100
57 11.0 8.8 13.2

Manual Integrations
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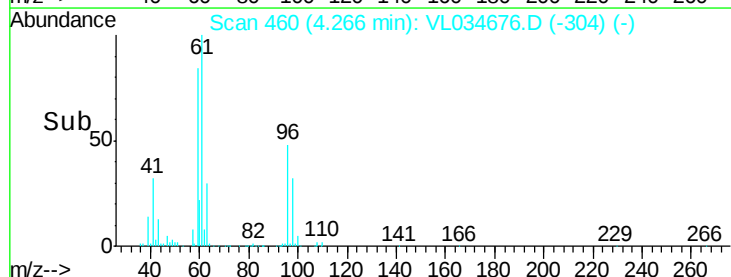
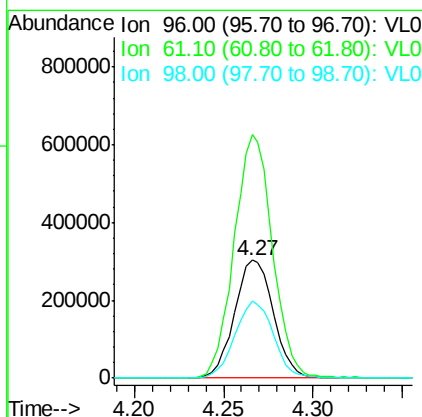
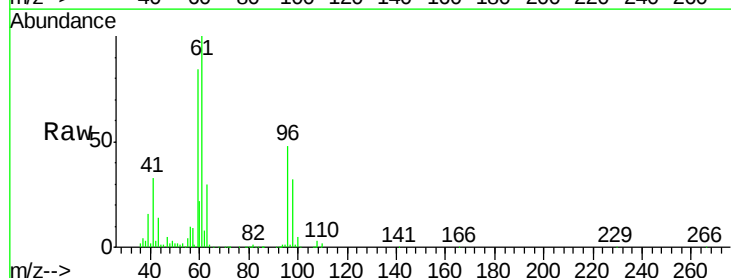
MMDadoda
2/27/2020 5:19:09 PM

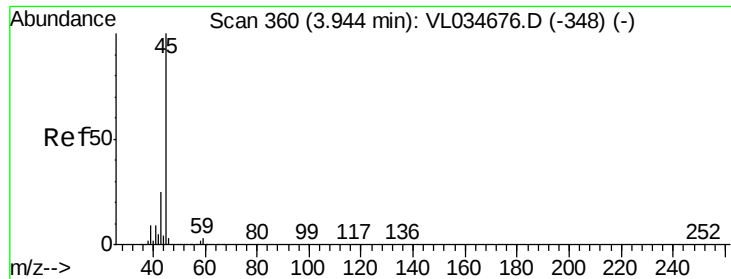


#18

1,1-Dichloroethene
Concen: 8.261 ppbv
RT: 4.27 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Tgt Ion: 96 Resp: 463220
Ion Ratio Lower Upper
96 100
61 206.4 165.1 247.7
98 65.9 52.7 79.1





#19

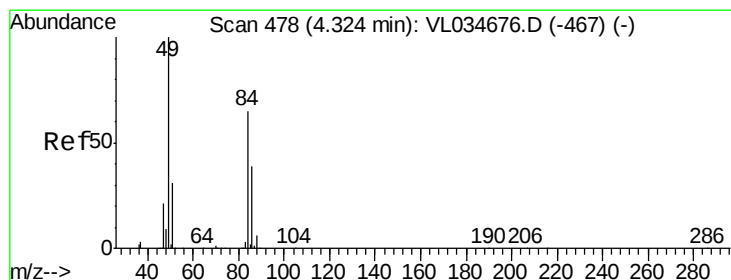
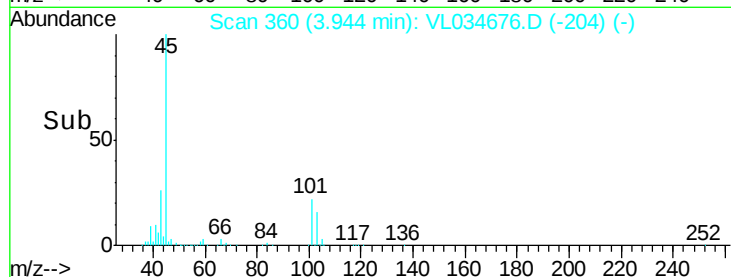
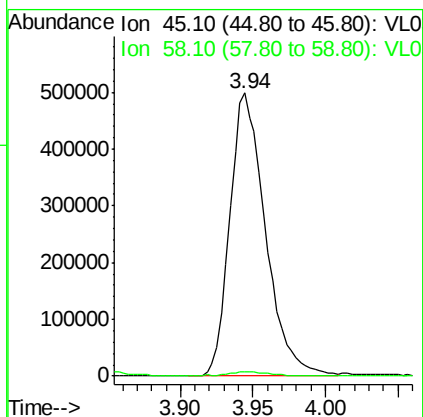
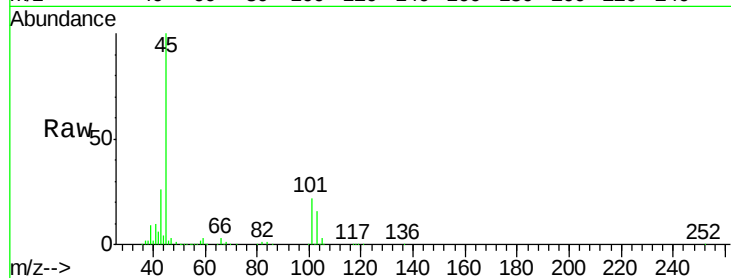
Isopropyl Alcohol
 Concen: 8.042 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	45	Resp	852300
Ion Ratio	100	Lower	Upper
45	100		
58	1.7	1.8	2.6#

Manual Integrations
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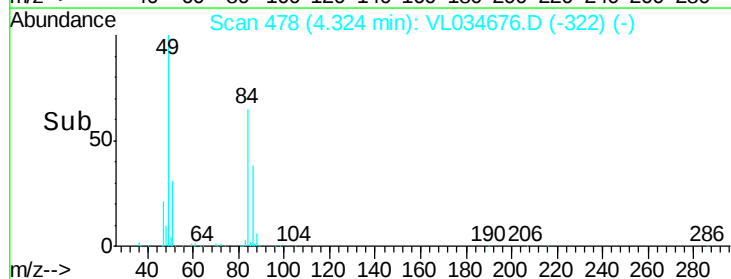
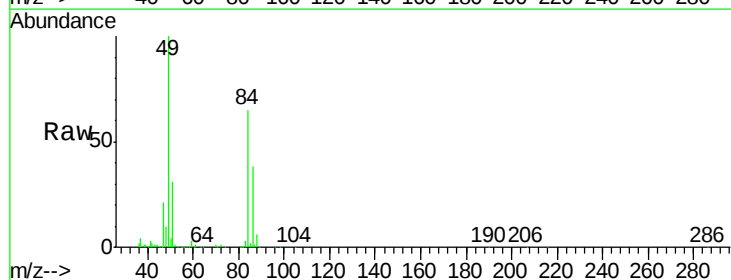
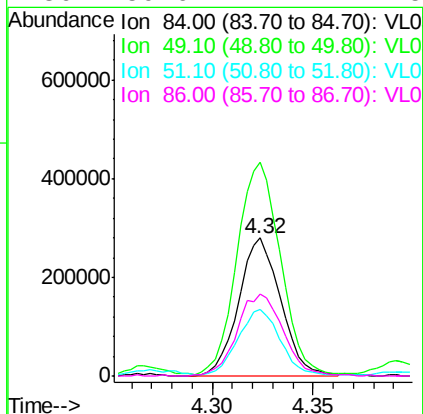
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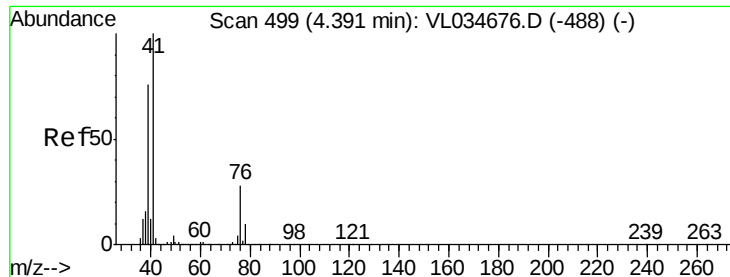


#20

Methylene Chloride
 Concen: 7.203 ppbv
 RT: 4.32 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Tgt Ion	84	Resp	406539
Ion Ratio	100	Lower	Upper
84	100		
49	153.5	122.8	184.2
51	48.3	38.6	58.0
86	59.6	47.7	71.5





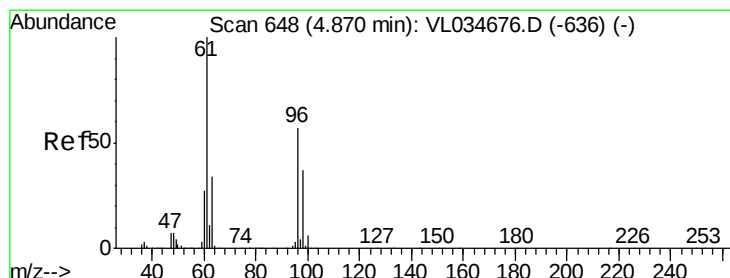
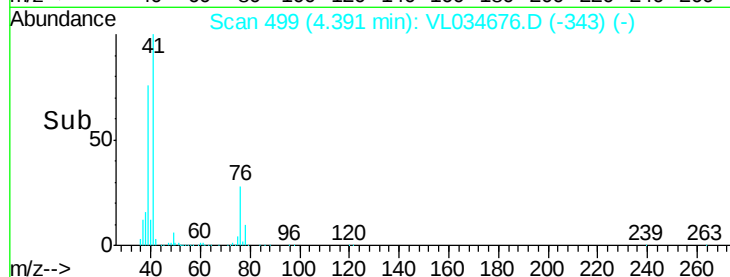
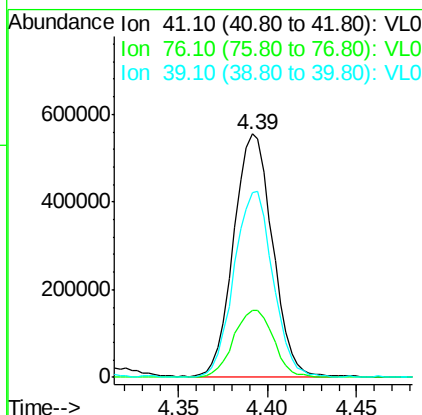
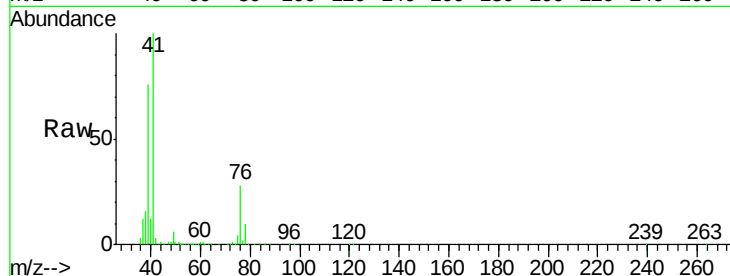
#21
Allvl Chloride
Concen: 8.925 ppbv
RT: 4.39 min Scan# 499
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.5	22.8	34.2
39	77.2	61.7	92.5

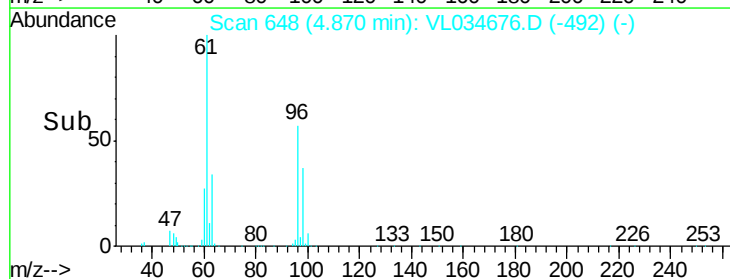
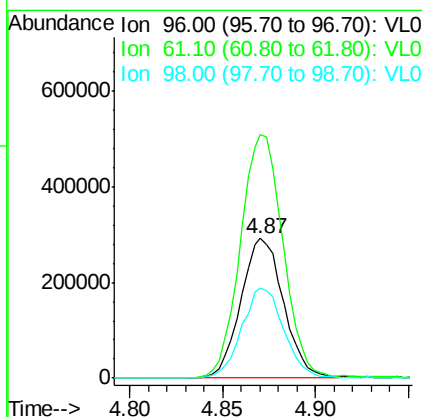
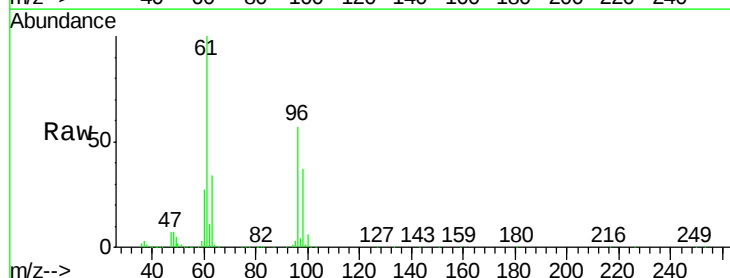
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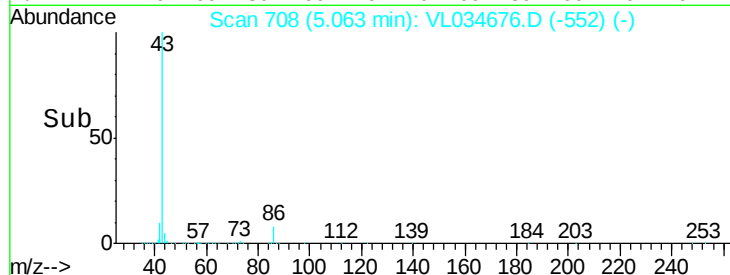
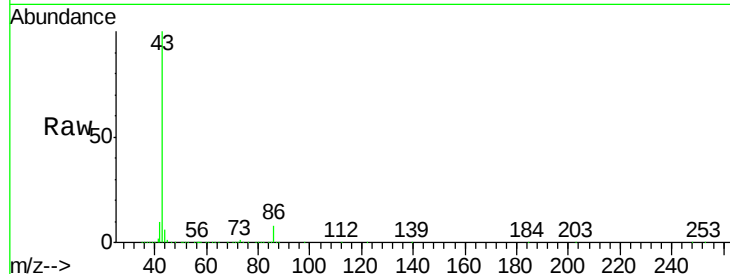
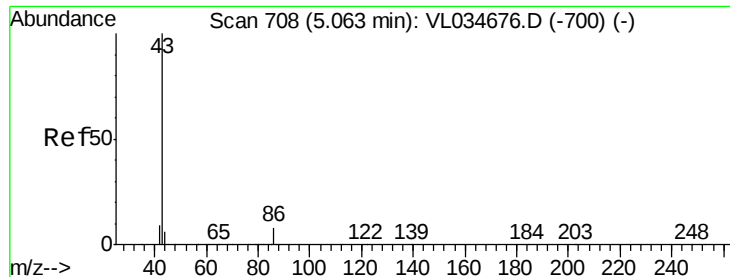
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#22
trans-1,2-Dichloroethene
Concen: 8.514 ppbv
RT: 4.87 min Scan# 648
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.2	139.4	209.0
98	64.1	51.3	76.9





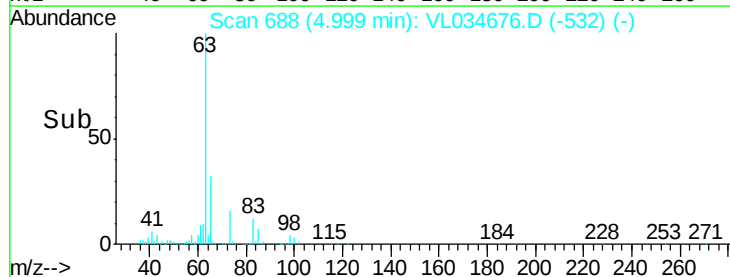
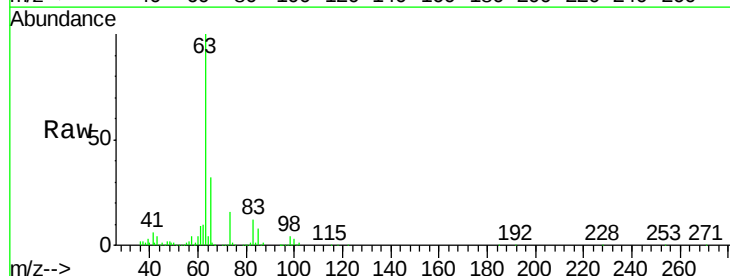
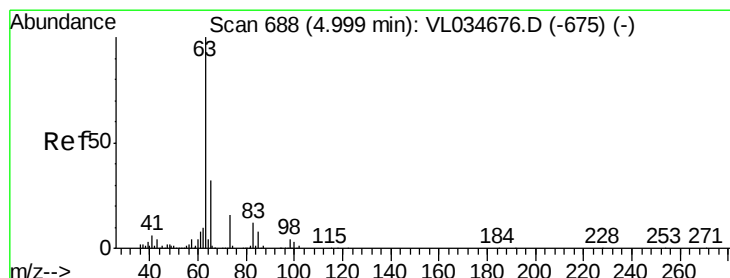
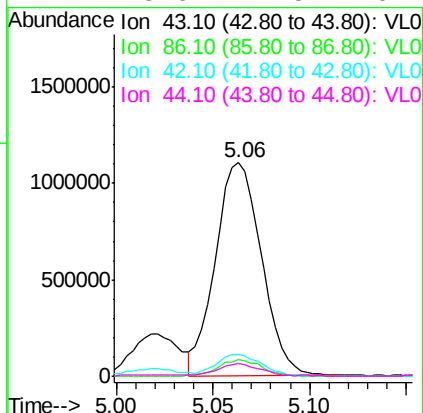
#23
 Vinyl Acetate
 Concen: 9.571 ppbv
 RT: 5.06 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Tot Ion:	43	Resp:	1826889
Ion	Ratio	Lower	Upper
43	100		
86	7.5	6.0	9.0
42	10.0	8.0	12.0
44	5.6	4.5	6.7

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

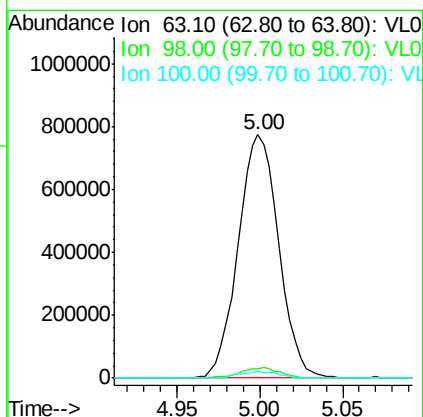
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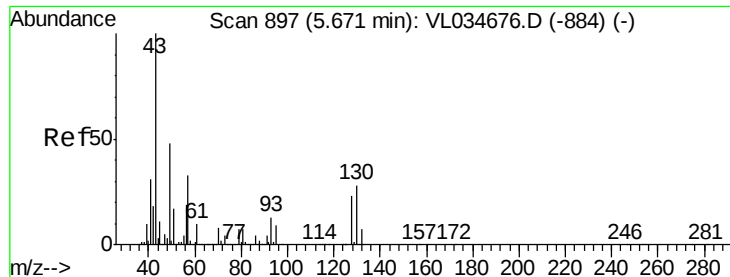
MMDadoda
 2/27/2020 5:19:09 PM



#24
 1,1-Dichloroethane
 Concen: 8.226 ppbv
 RT: 5.00 min Scan# 688
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Tgt Ion:	63	Resp:	1308413
Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.2
100	2.7	1.4	4.0





#25

Ethyl Acetate

Concen: 8.294 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 2203984

Ion Ratio Lower Upper

43 100

45 10.3 8.2 12.4

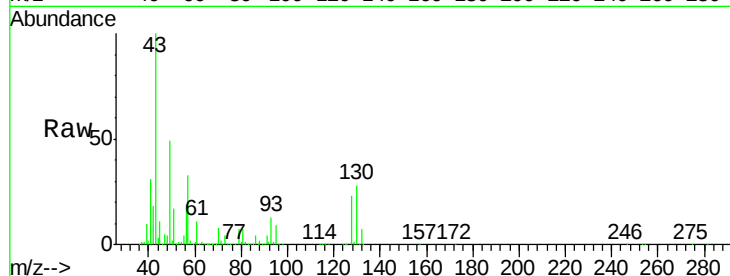
61 9.7 7.8 11.6

70 7.6 6.1 9.1

Manual Integrations
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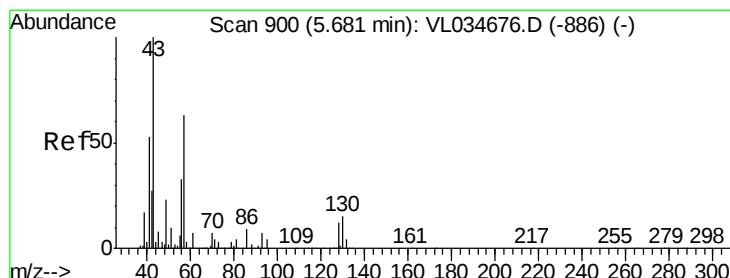
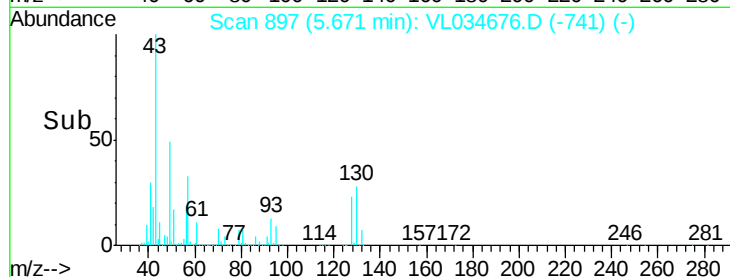
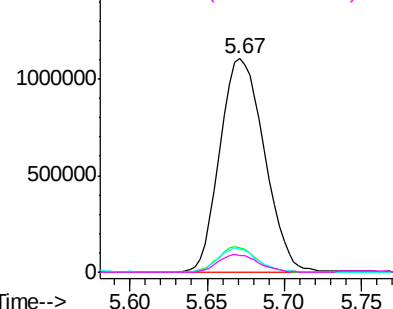


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 8.516 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Tgt Ion: 57 Resp: 1004983

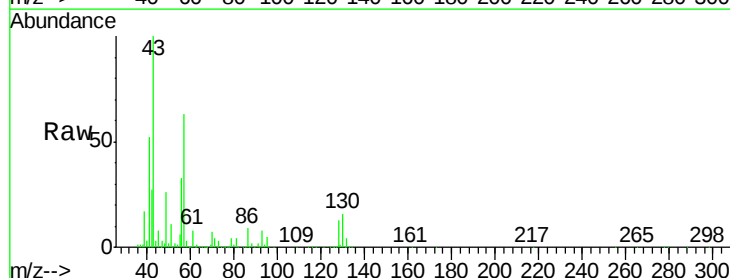
Ion Ratio Lower Upper

57 100

41 87.8 70.3 105.5

43 220.9 177.0 265.4

56 53.1 42.6 64.0

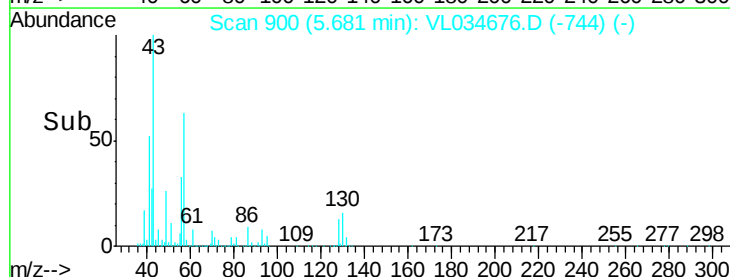
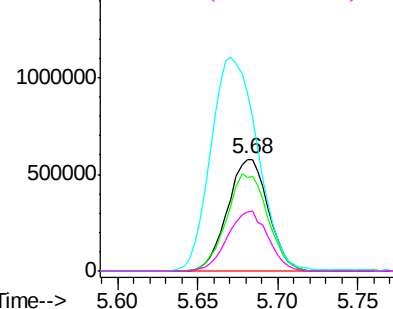


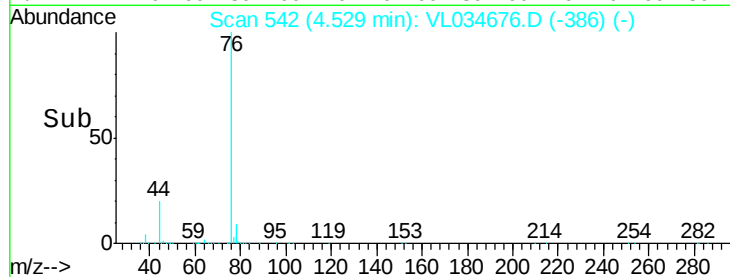
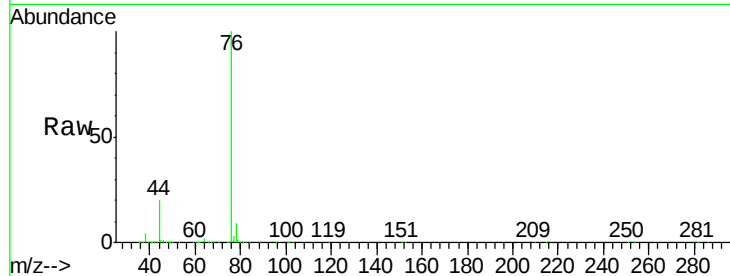
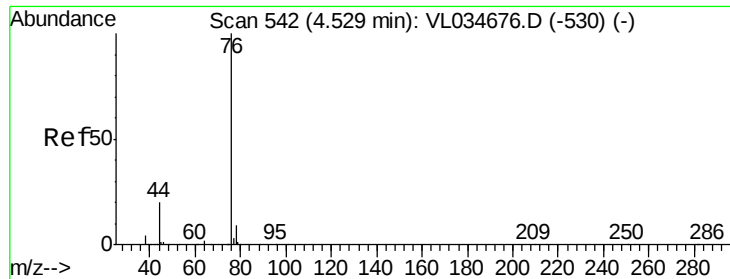
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.177 ppbv

RT: 4.53 min Scan# 542

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Tot Ion: 76 Resp: 1230388

Ion Ratio Lower Upper

76 100

44 19.1 15.3 22.9

78 9.5 7.6 11.4

Instrument :

MSVOA_L

ClientSampleId :

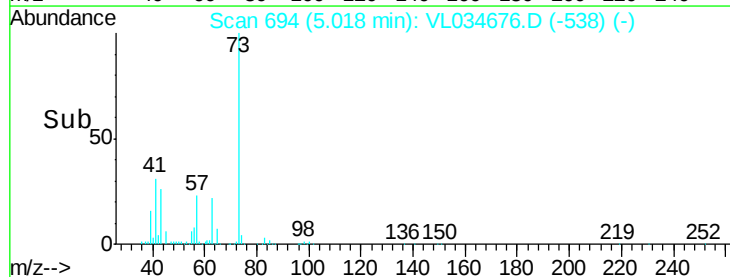
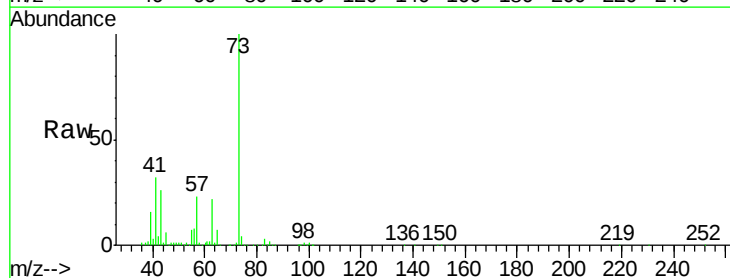
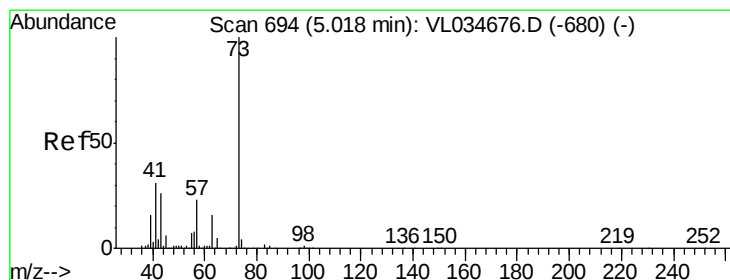
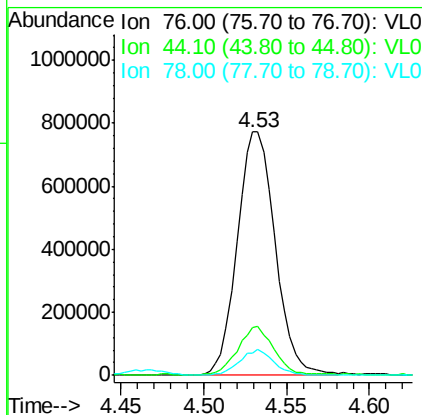
VSTDICCC010

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#28

Methyl tert-Butyl Ether

Concen: 8.843 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.00 min

Lab File: VL034676.D

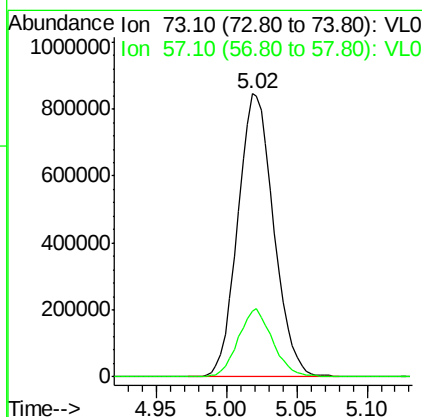
Acq: 26 Feb 2020 2:27

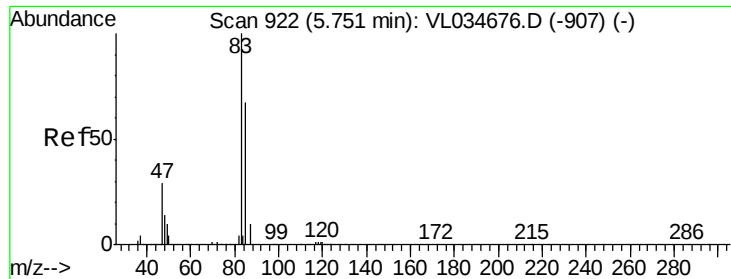
Tgt Ion: 73 Resp: 1506955

Ion Ratio Lower Upper

73 100

57 23.3 18.6 28.0





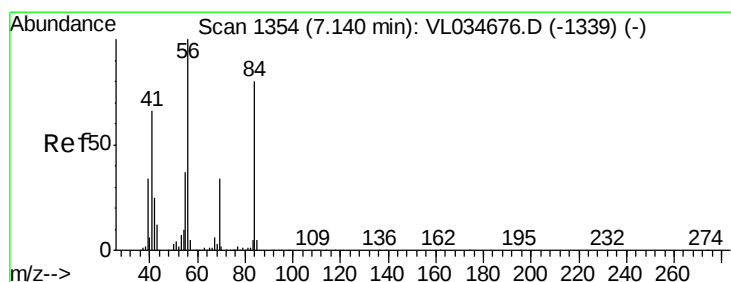
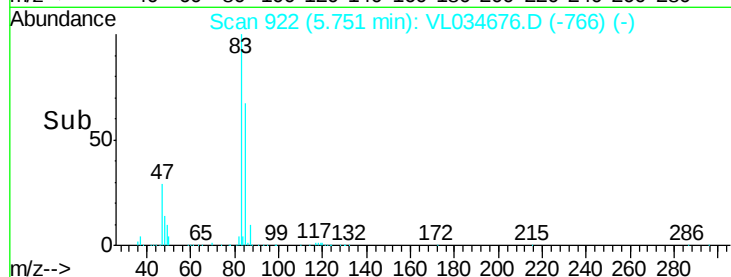
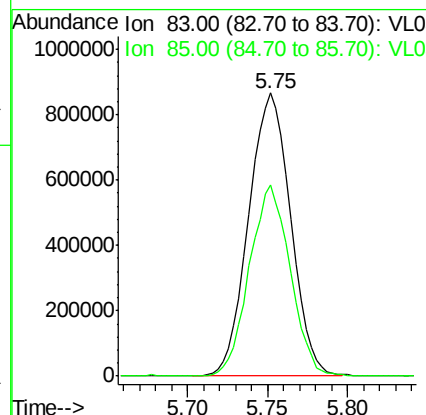
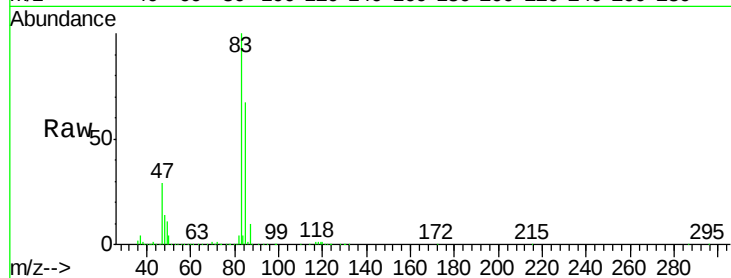
#29
Chloroform
Concen: 8.308 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 1560038
Ion Ratio Lower Upper
83 100
85 67.4 53.9 80.9

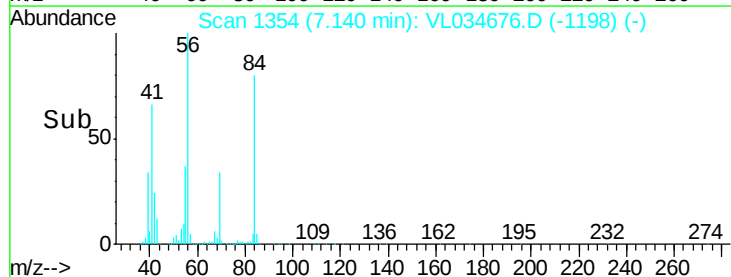
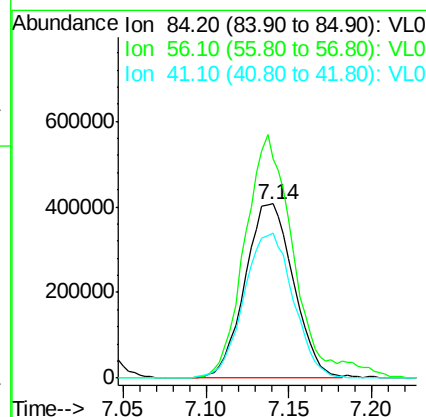
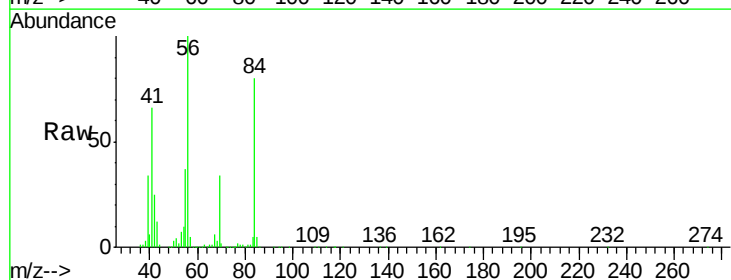
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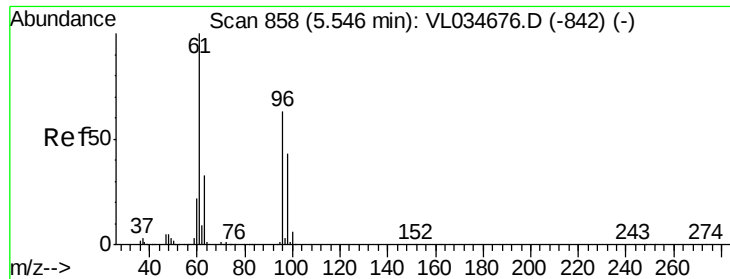
MMDadoda
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#30
Cyclohexane
Concen: 9.119 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Tgt Ion: 84 Resp: 823562
Ion Ratio Lower Upper
84 100
56 141.8 113.4 170.2
41 85.3 68.2 102.4





#31

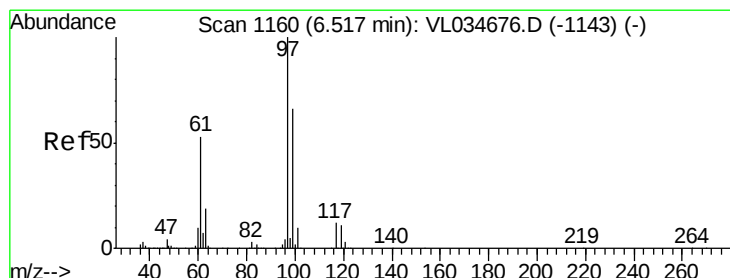
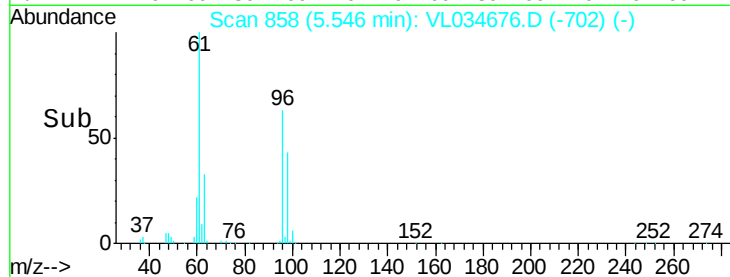
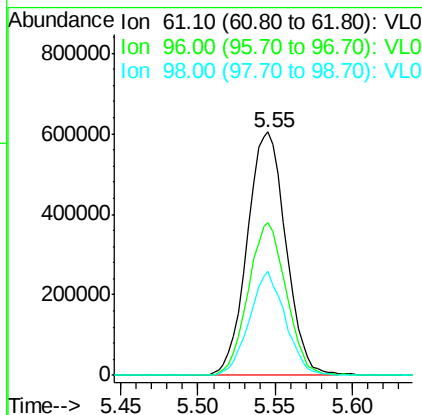
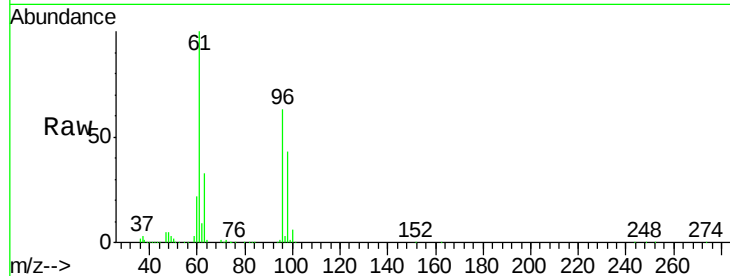
cis-1,2-Dichloroethene
Concen: 9.199 ppbv
RT: 5.55 min Scan# 858
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.7	50.2	75.2
98	42.9	34.3	51.5

Manual Integrations
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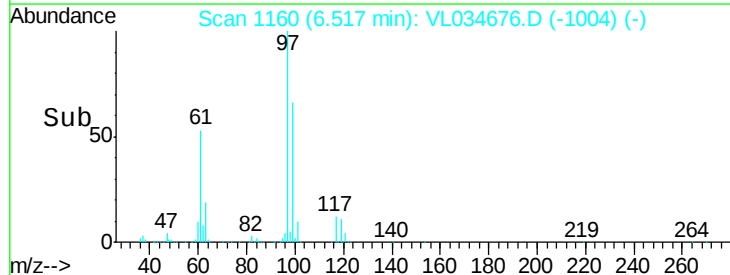
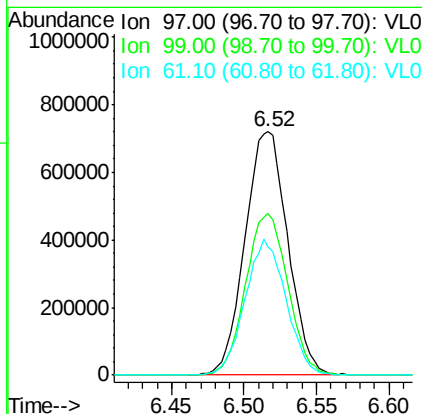
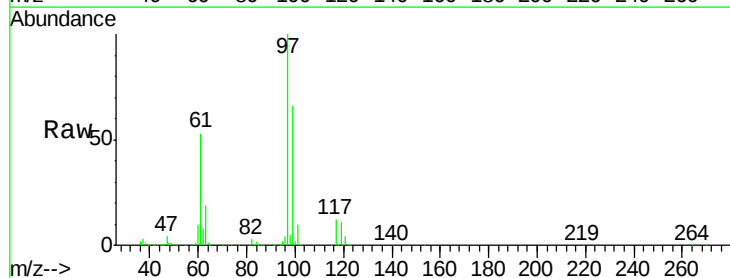
MMDadoda
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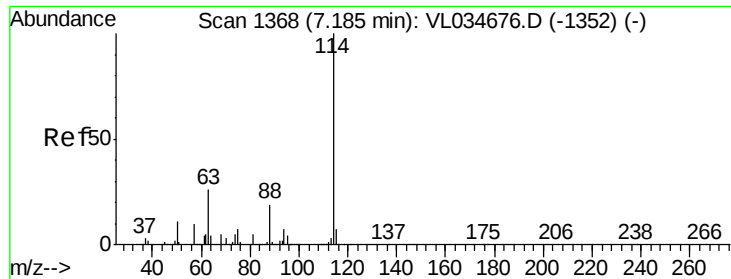


#32

1,1,1-Trichloroethane
Concen: 8.610 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.3	78.5
61	53.5	42.8	64.2





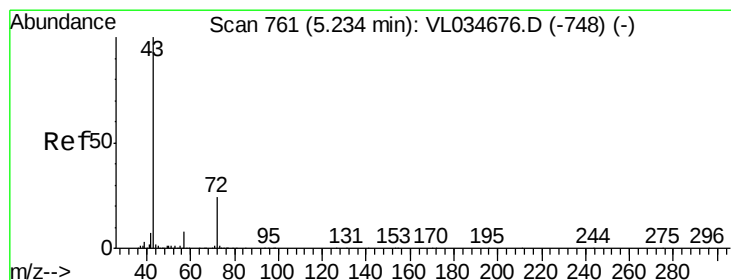
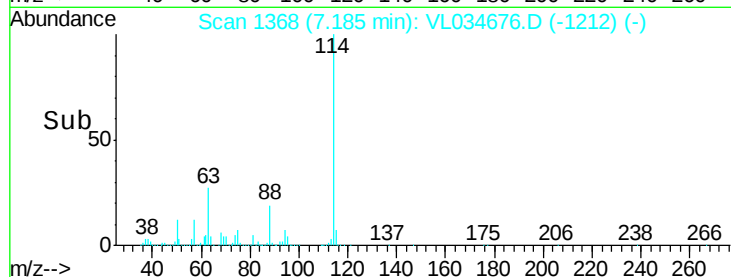
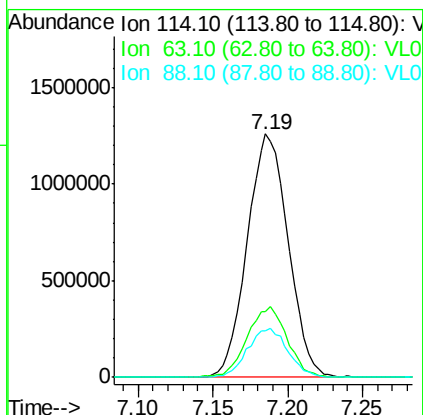
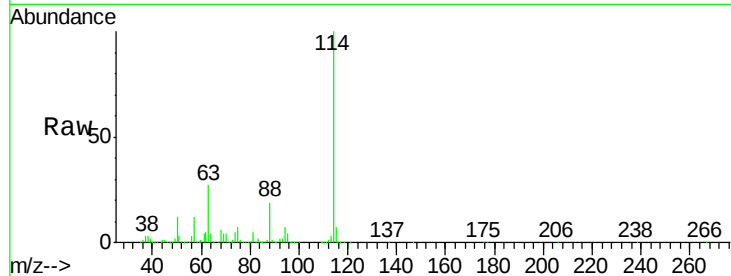
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.6	22.9	34.3
88	19.7	15.8	23.6

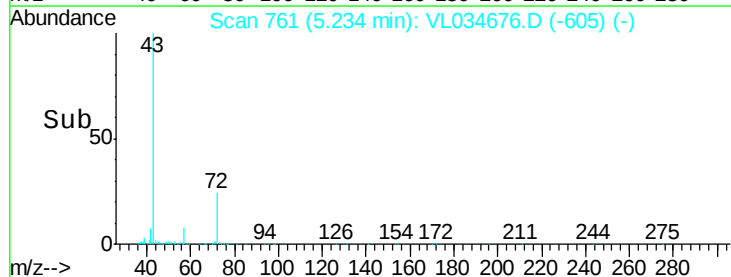
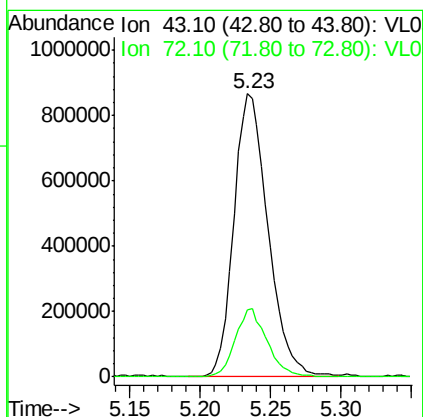
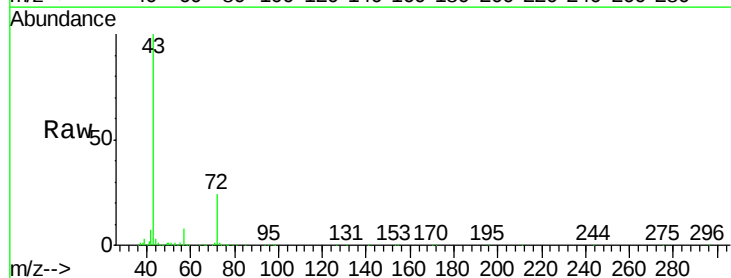
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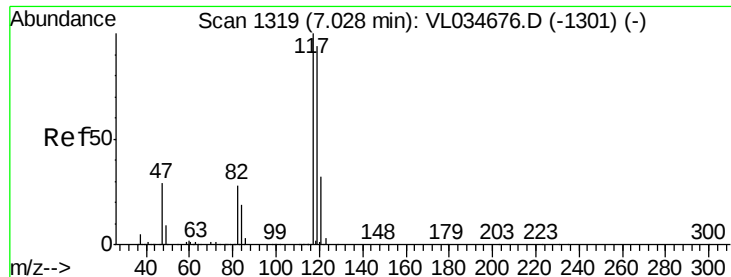
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#34
 2-Butanone
 Concen: 8.634 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.2	27.2





#35

Carbon Tetrachloride

Concen: 8.483 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 117 Resp: 1550341

Ion Ratio Lower Upper

117 100

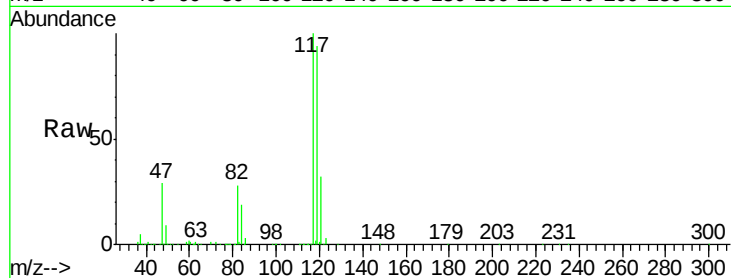
119 94.4 75.5 113.3

121 31.7 25.4 38.0

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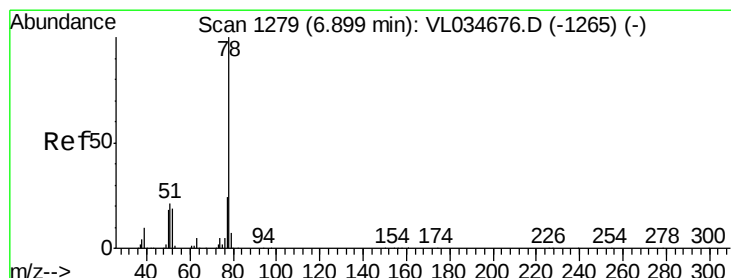
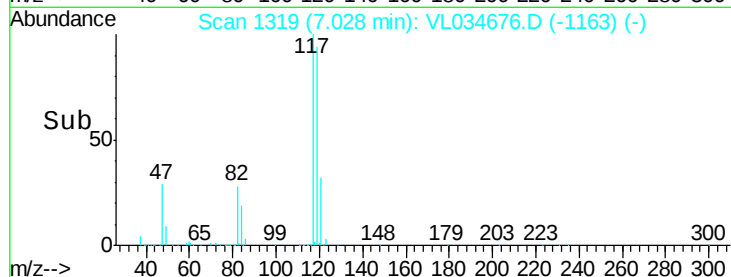
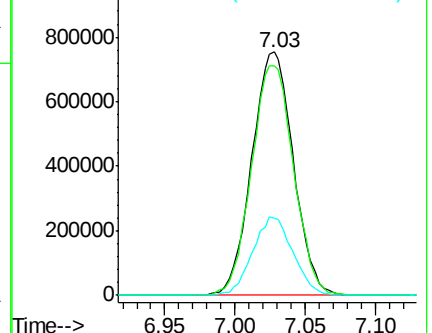
2/27/2020 5:19:09 PM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.859 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

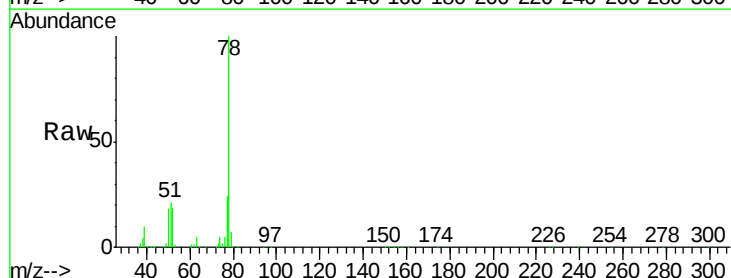
Tgt Ion: 78 Resp: 2002933

Ion Ratio Lower Upper

78 100

77 24.4 19.5 29.3

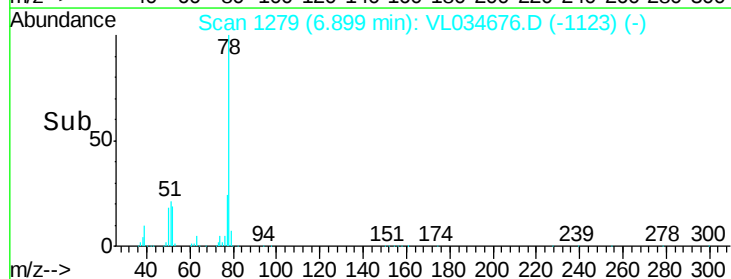
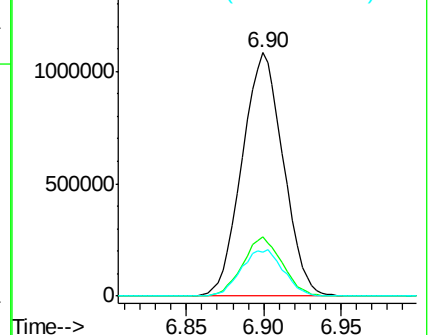
50 18.2 14.6 21.8

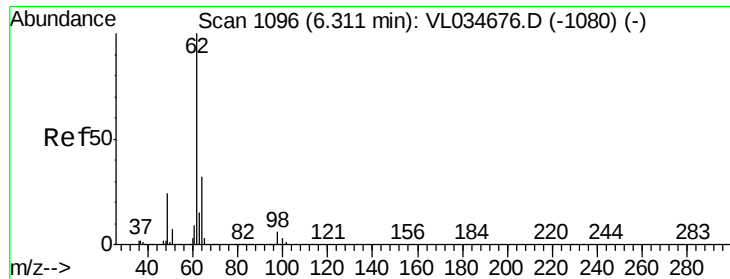


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





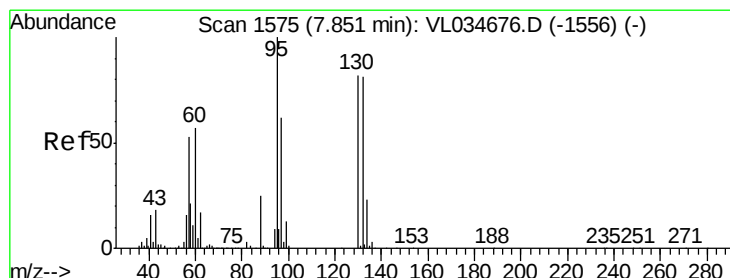
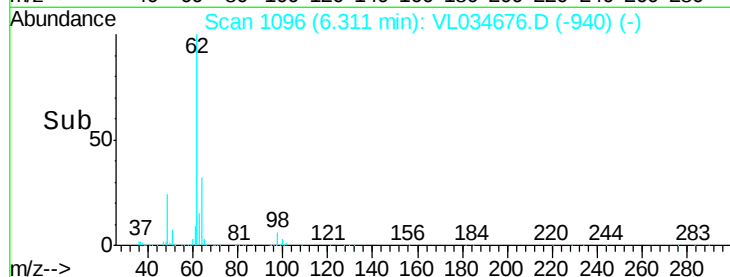
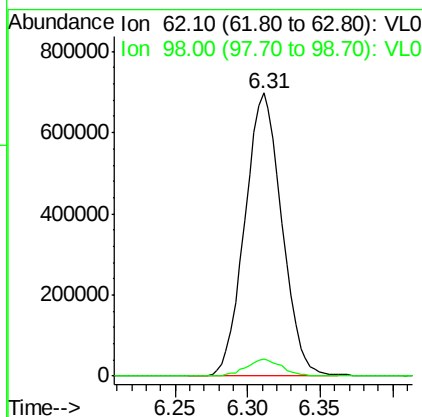
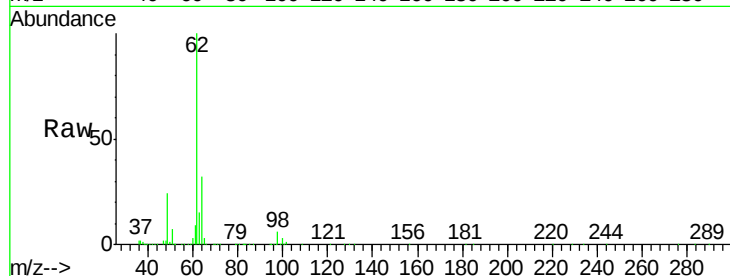
#37
 1,2-Dichloroethane
 Concen: 8.392 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 62 Resp: 1241628
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.7 7.1

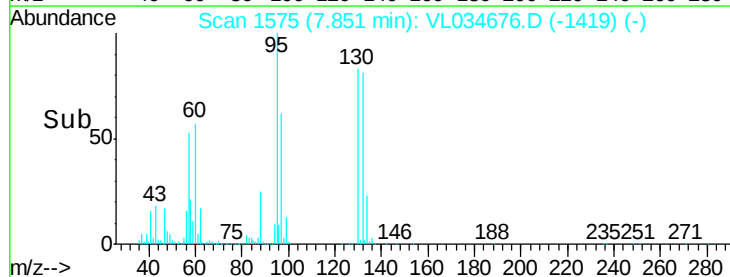
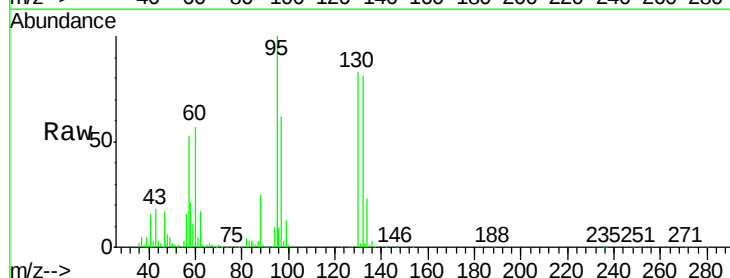
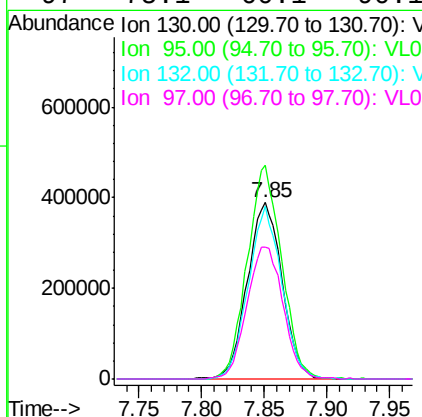
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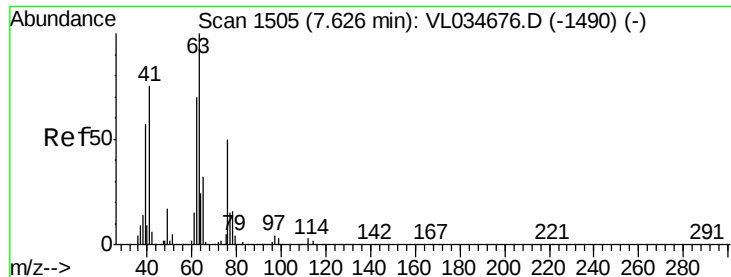
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 2/27/2020 5:19:09 PM



#38
 Trichloroethene
 Concen: 8.699 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Tgt Ion: 130 Resp: 746561
 Ion Ratio Lower Upper
 130 100
 95 121.4 97.1 145.7
 132 97.9 78.3 117.5
 97 75.1 60.1 90.1





#39

1,2-Dichloropropane

Concen: 8.693 ppbv

RT: 7.63 min Scan# 1505

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

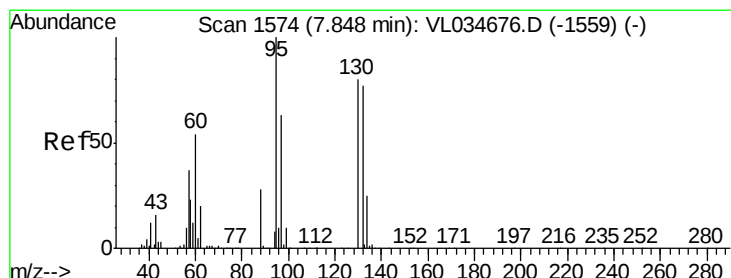
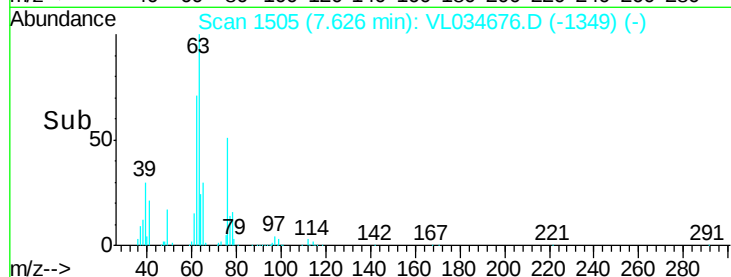
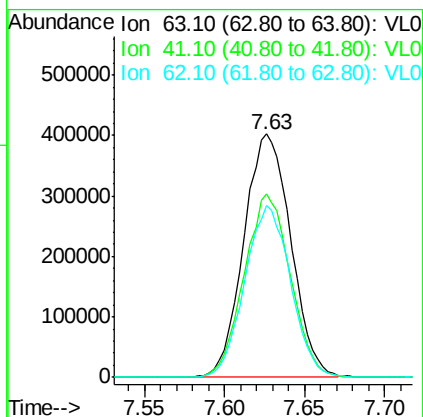
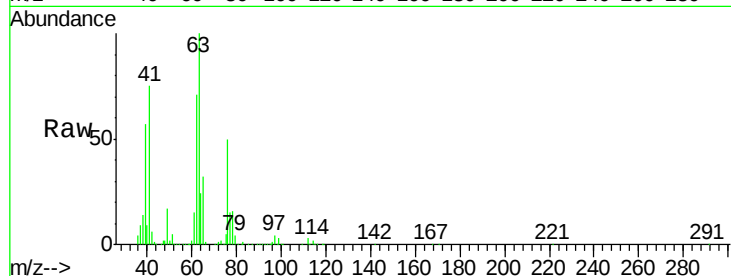
ClientSampleId :

VSTDICCC010

Tot Ion:	63	Resp:	808777
Ion	Ratio	Lower	Upper
63	100		
41	75.3	60.2	90.4
62	70.4	56.3	84.5

Manual Integrations
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#40

1,4-Dioxane

Concen: 8.606 ppbv

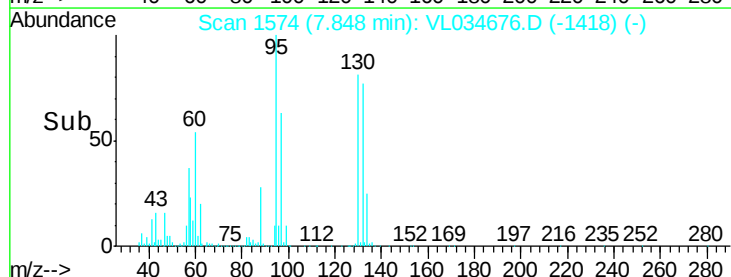
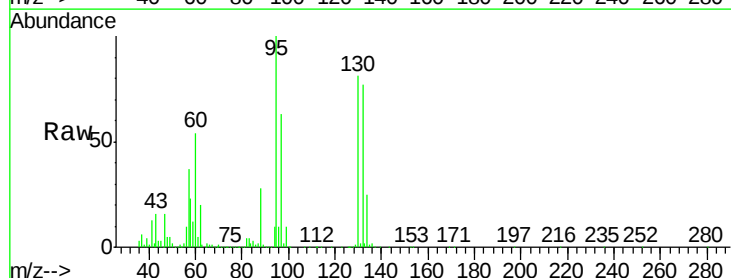
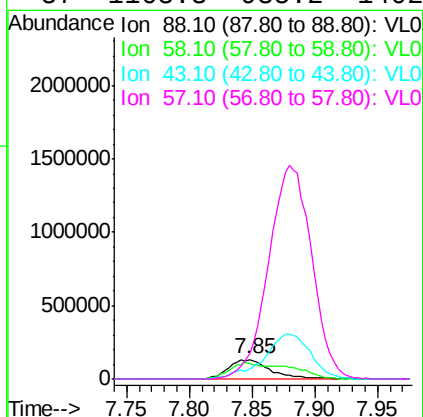
RT: 7.85 min Scan# 1574

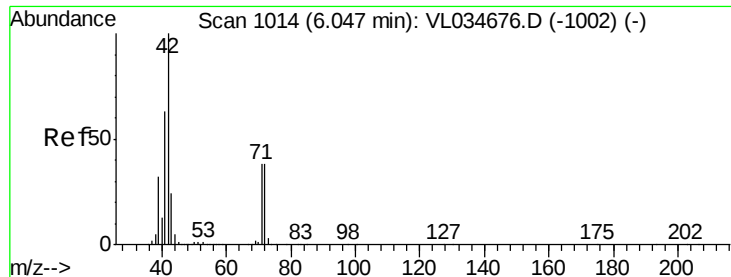
Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Tgt Ion:	88	Resp:	299105
Ion	Ratio	Lower	Upper
88	100		
58	130.3	104.6	156.8
43	265.2	212.9	319.3
57	1168.3	935.2	1402.8





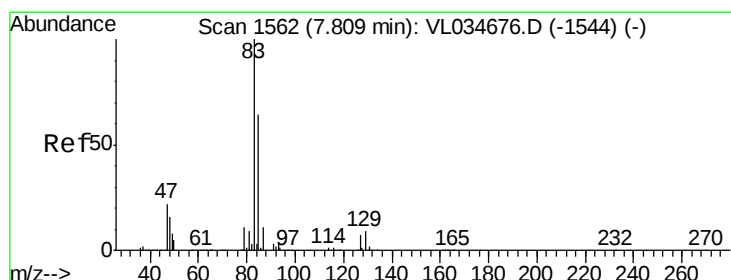
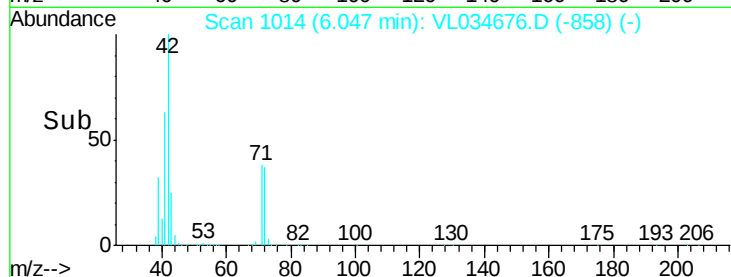
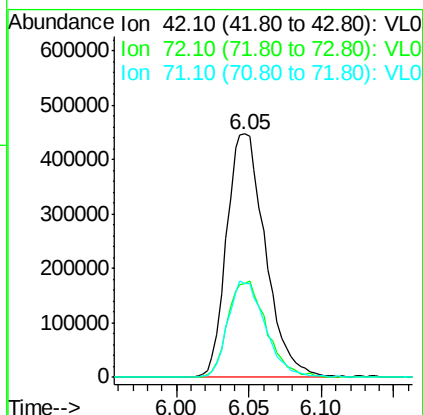
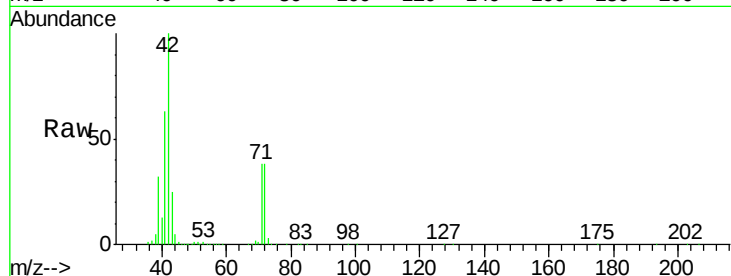
#41
Tetrahydrofuran
Concen: 9.320 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.4	31.7	47.5
71	38.4	30.7	46.1

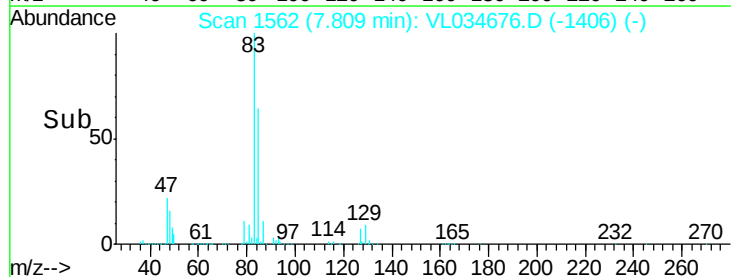
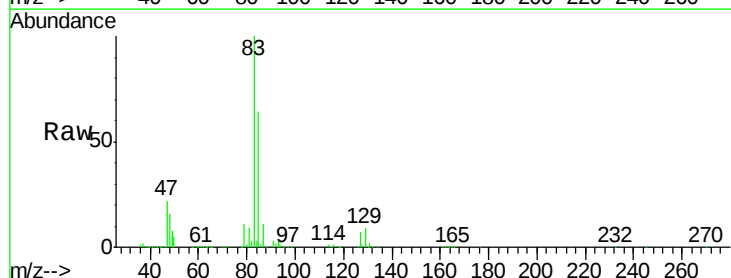
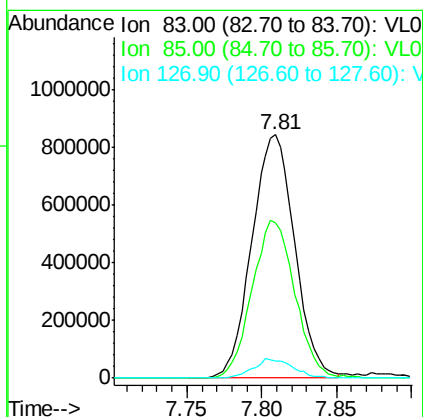
Manual Integrations
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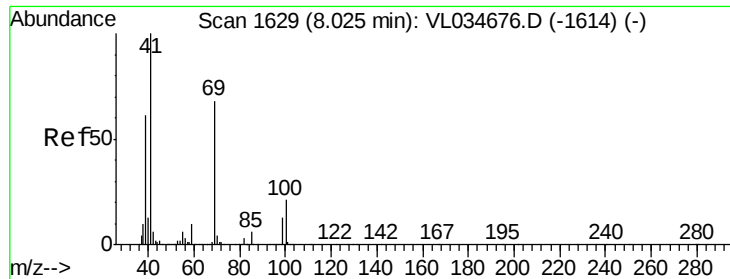
MMDadoda
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#42
Bromodichloromethane
Concen: 8.764 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	7.3	5.8	8.8





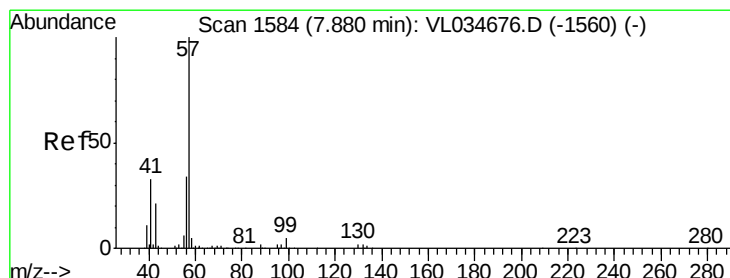
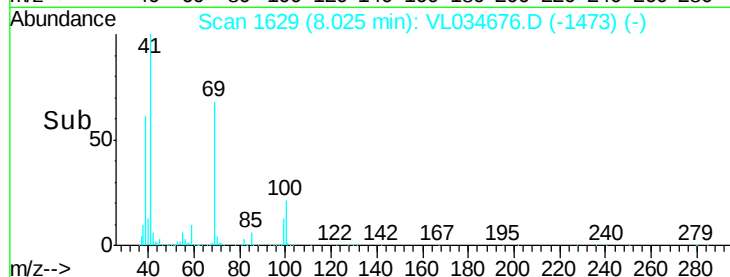
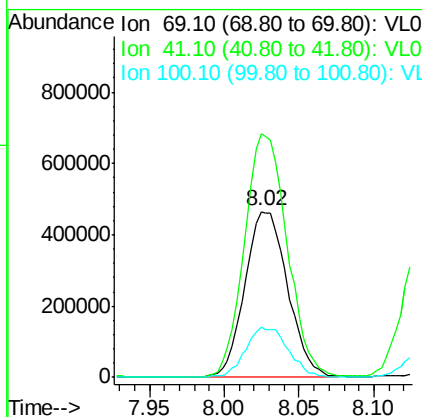
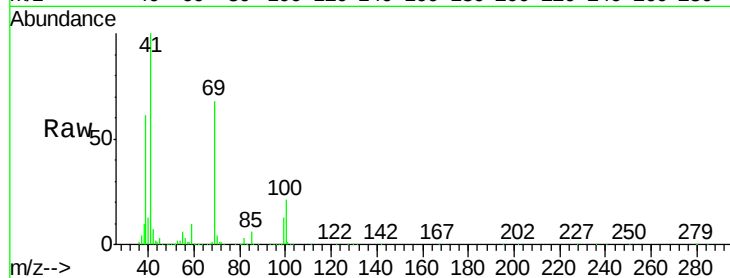
#43
Methvl Methacrilate
Concen: 10.432 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
69	100		
41	147.7	118.2	177.2
100	30.2	24.2	36.2

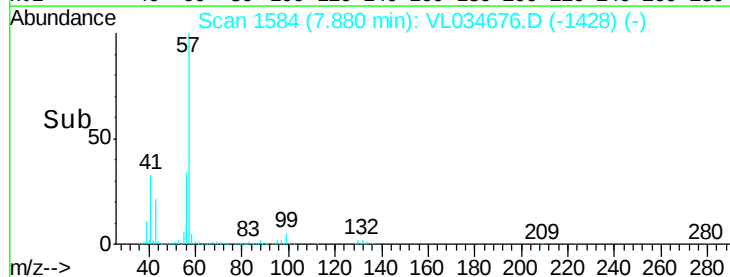
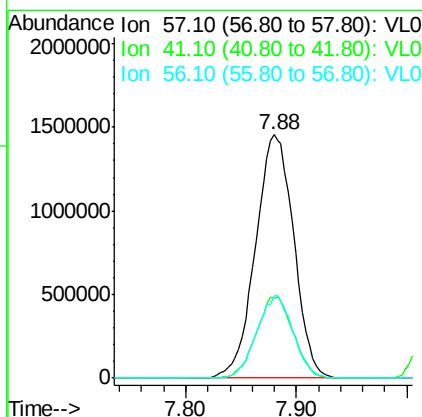
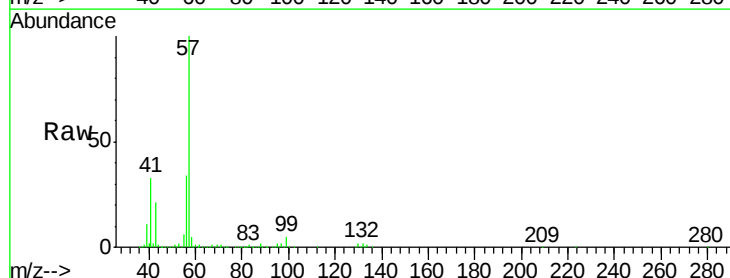
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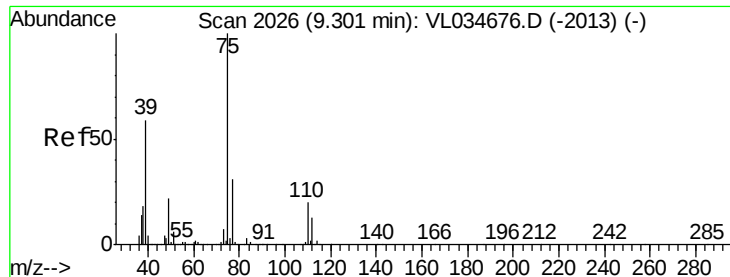
MMDadoda
2/27/2020 5:19:09 PM



#44
2,2,4-Trimethylpentane
Concen: 8.584 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.5	26.0	39.0
56	32.0	25.6	38.4





#45

t-1,3-Dichloropropene

Concen: 10.612 ppbv

RT: 9.30 min Scan# 2026

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Tot Ion: 75 Resp: 1100938

Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9

Instrument :

MSVOA_L

ClientSampleId :

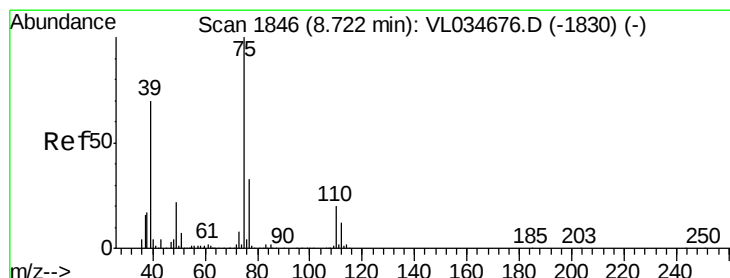
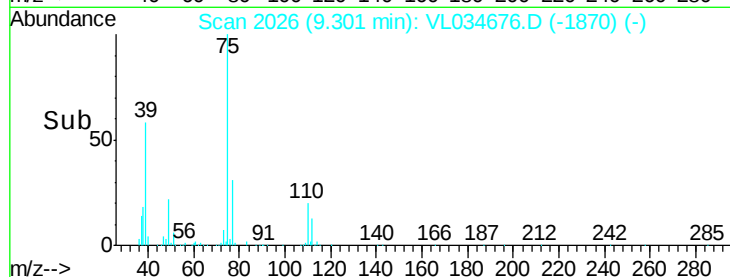
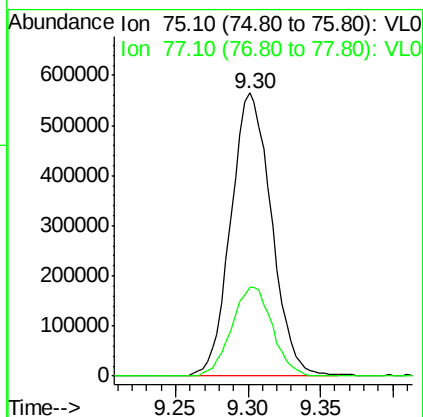
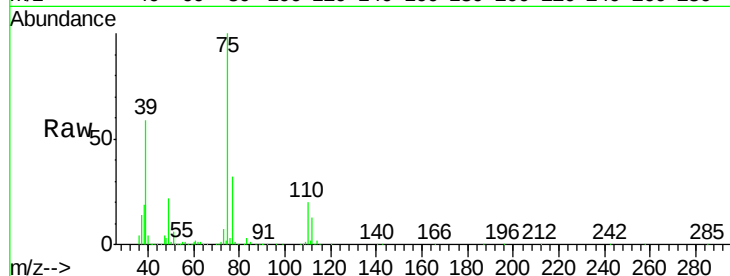
VSTDICCC010

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#46

cis-1,3-Dichloropropene

Concen: 10.449 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

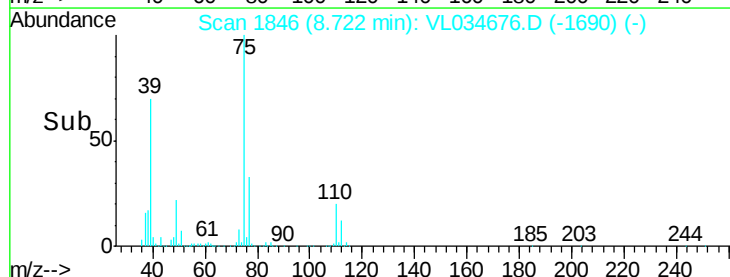
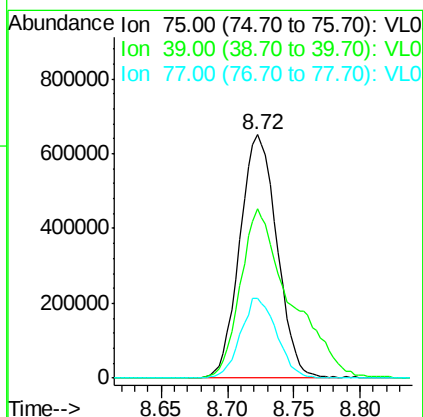
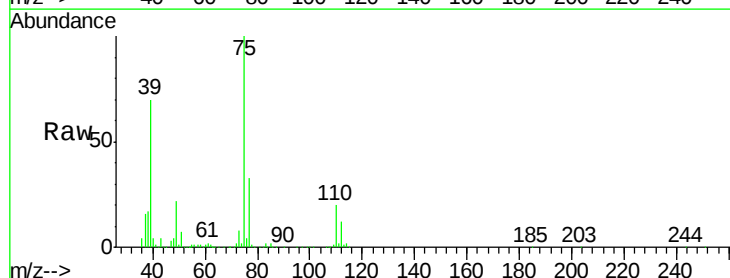
Tgt Ion: 75 Resp: 1267925

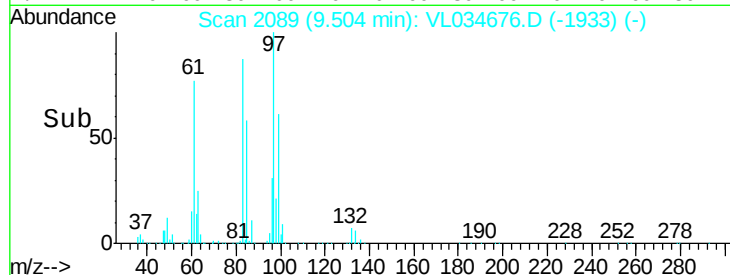
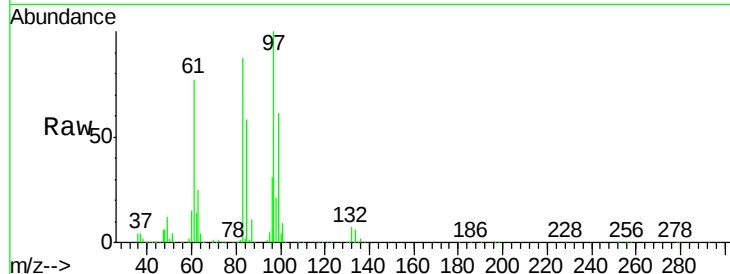
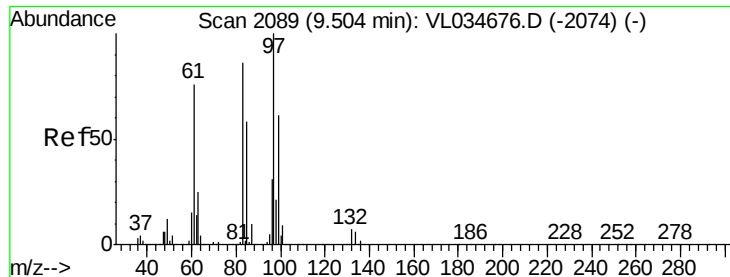
Ion Ratio Lower Upper

75 100

39 69.6 55.7 83.5

77 32.9 26.3 39.5





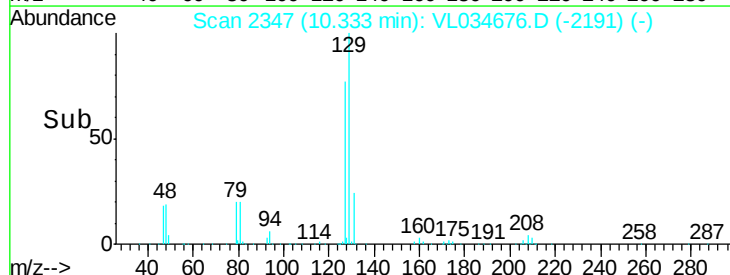
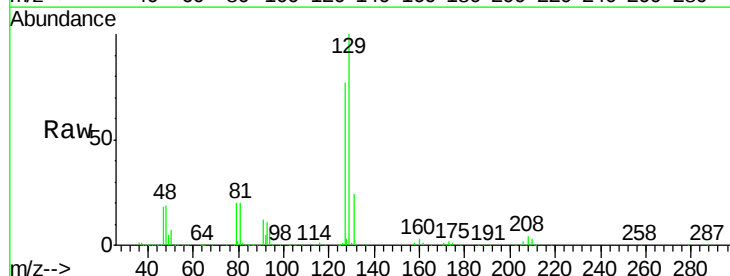
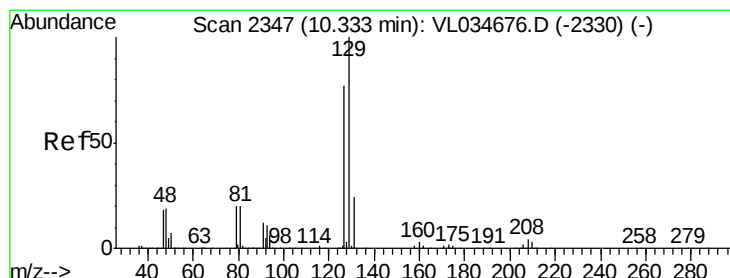
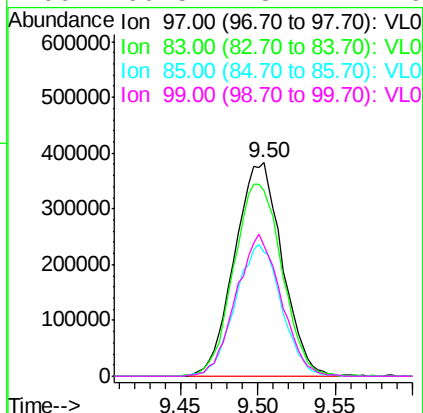
#47
1,1,2-Trichloroethane
Concen: 8.334 ppbv
RT: 9.50 min Scan# 2089
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		819343		
83	86.7	69.4	104.0		
85	58.0	46.4	69.6		
99	60.5	48.4	72.6		

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

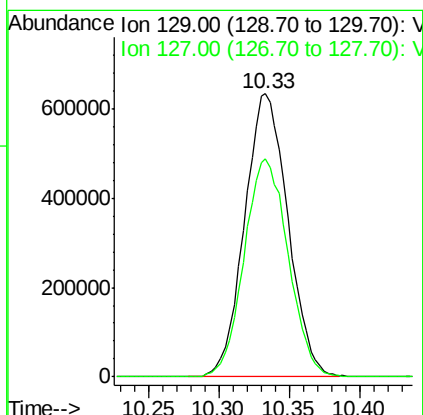
Manual Integrations
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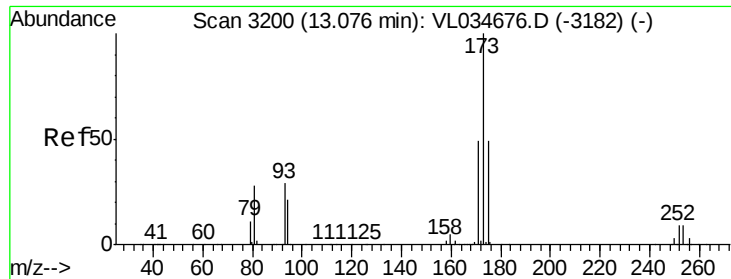
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#48
Dibromochloromethane
Concen: 9.013 ppbv
RT: 10.33 min Scan# 2347
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1360473		
127	78.5	39.3	117.8		





#49

Bromoform

Concen: 9.015 ppbv

RT: 13.08 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:173 Resp: 1189869

Ion Ratio Lower Upper

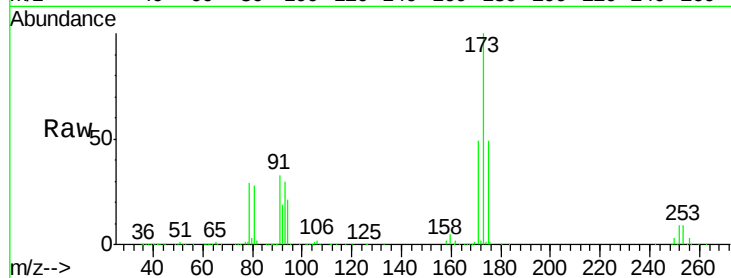
173 100

175 48.5 38.6 58.0

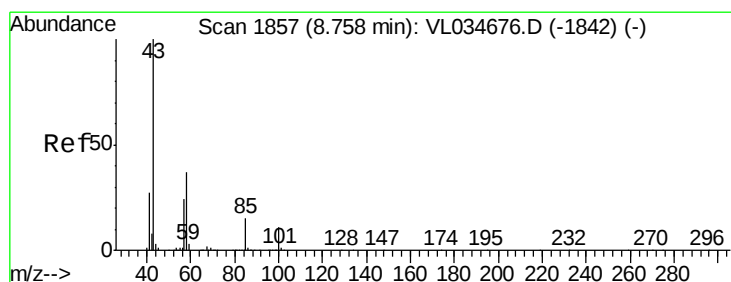
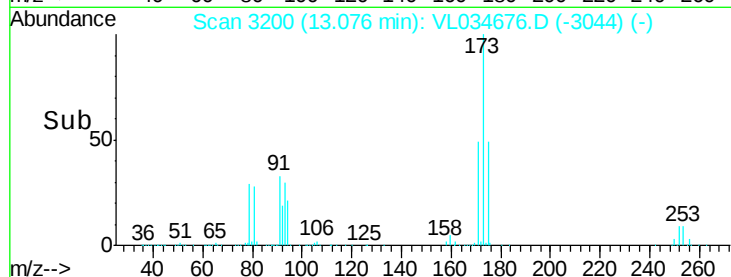
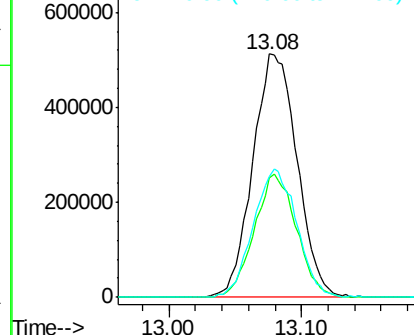
171 52.1 41.5 62.3

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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: 9.031 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.00 min

Lab File: VL034676.D

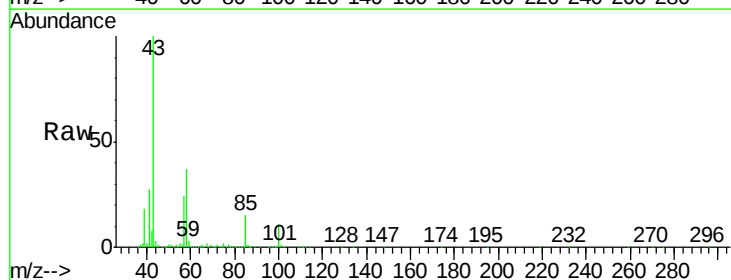
Acq: 26 Feb 2020 2:27

Tgt Ion: 43 Resp: 2182373

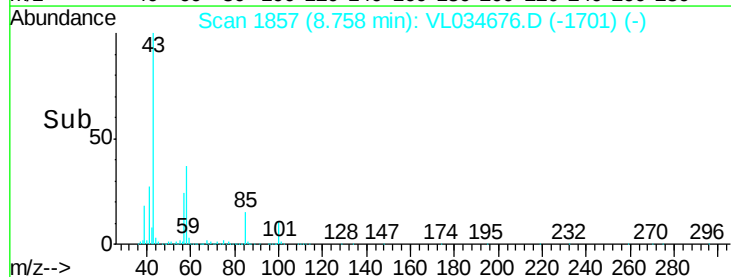
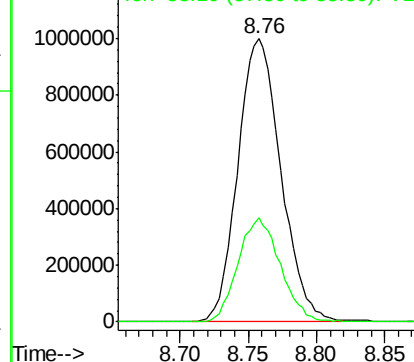
Ion Ratio Lower Upper

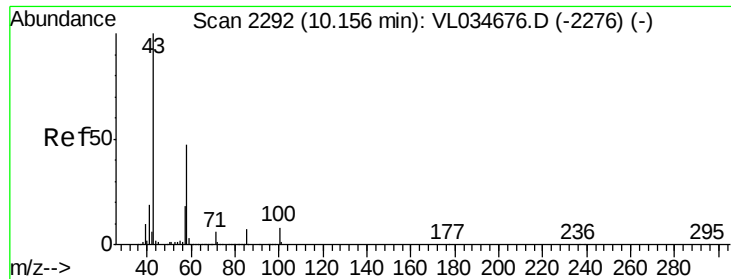
43 100

58 36.2 29.0 43.6



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





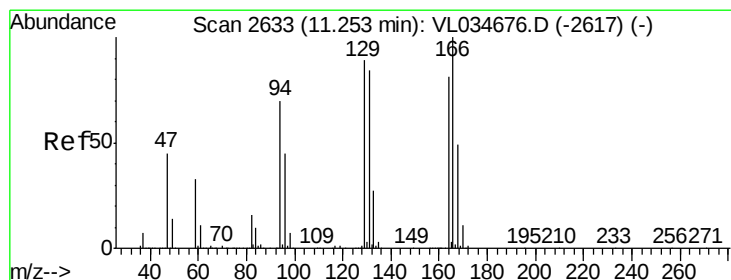
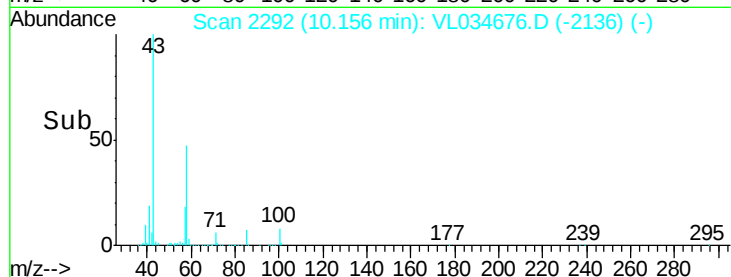
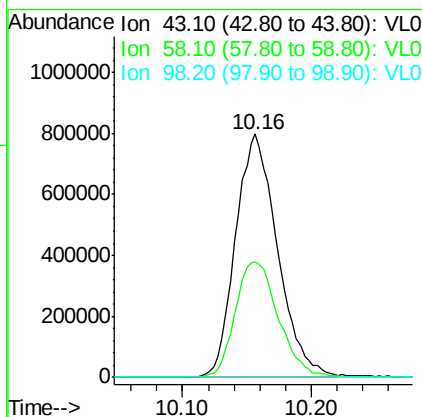
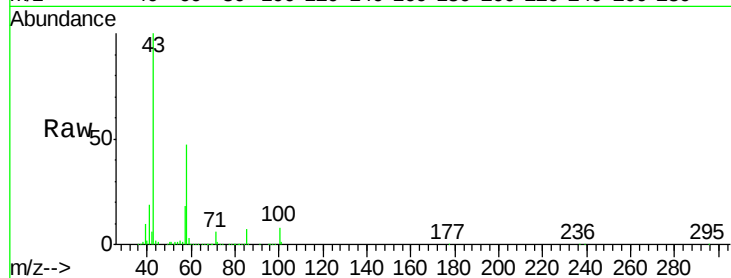
#51
2-Hexanone
Concen: 9.465 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 1804229
Ion Ratio Lower Upper
43 100
58 49.2 39.4 59.0
98 0.2 0.2 0.2

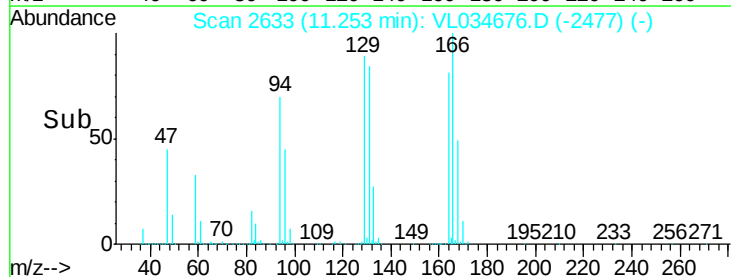
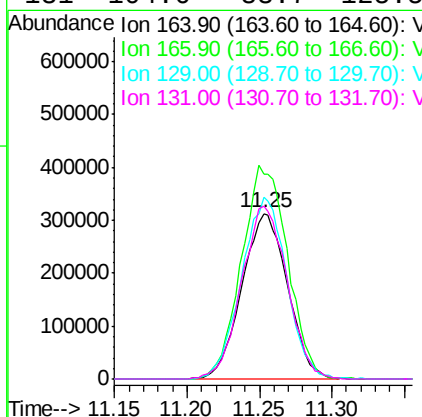
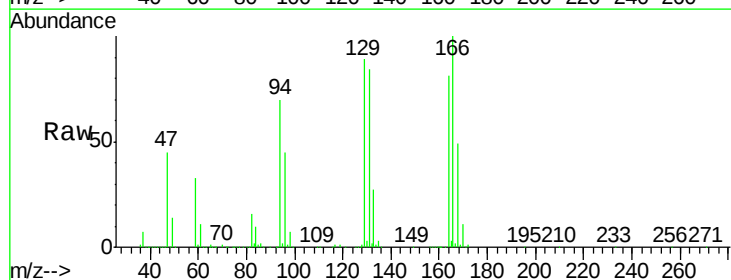
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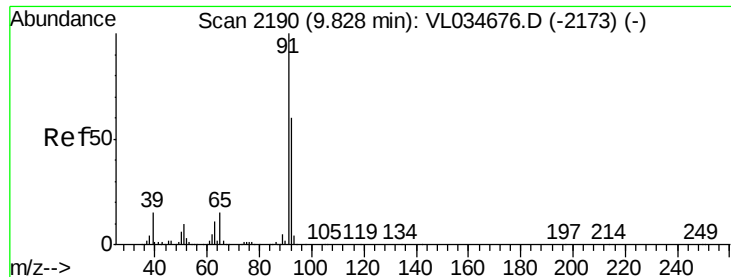
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#52
Tetrachloroethene
Concen: 8.570 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Tgt Ion: 164 Resp: 683634
Ion Ratio Lower Upper
164 100
166 124.0 99.2 148.8
129 110.0 88.0 132.0
131 104.6 83.7 125.5





#53

Toluene

Concen: 9.401 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 2285814

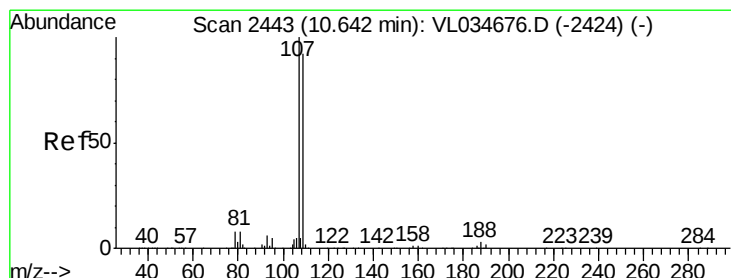
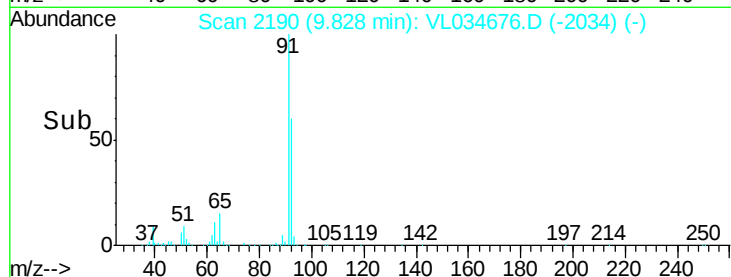
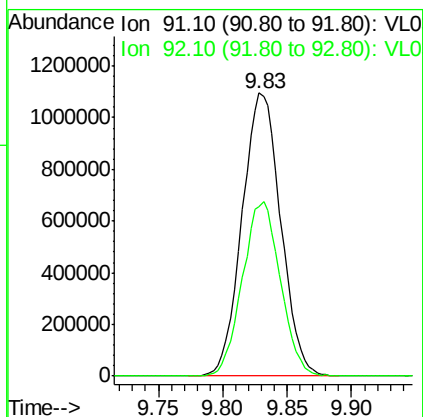
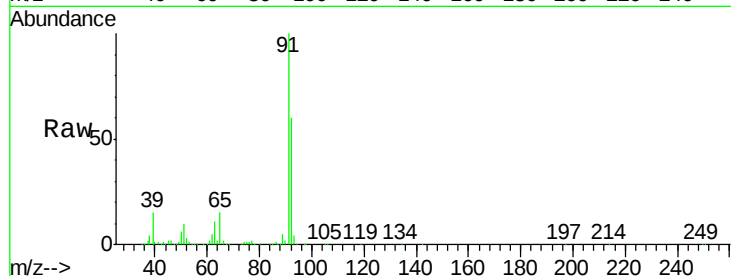
Ion Ratio Lower Upper

91 100

92 60.6 48.5 72.7

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#54

1,2-Dibromoethane

Concen: 9.135 ppbv

RT: 10.64 min Scan# 2443

Delta R.T. 0.00 min

Lab File: VL034676.D

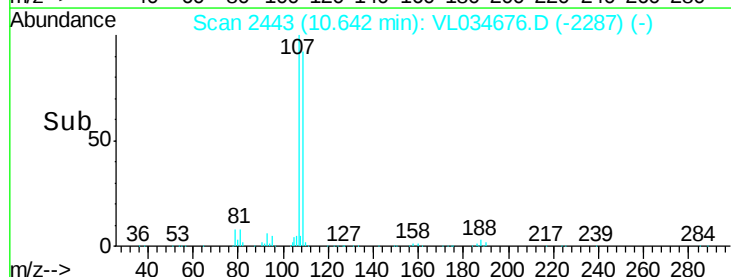
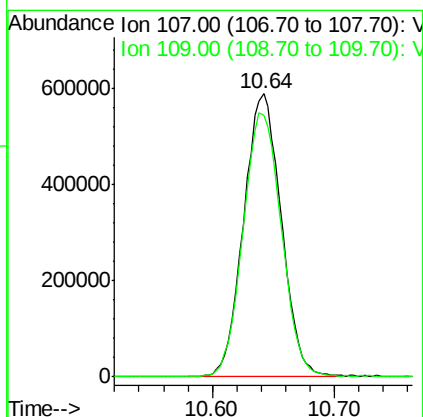
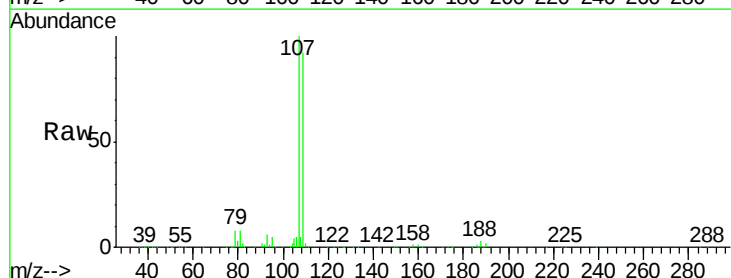
Acq: 26 Feb 2020 2:27

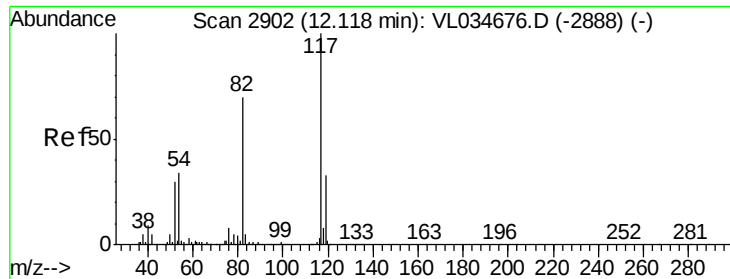
Tgt Ion: 107 Resp: 1251029

Ion Ratio Lower Upper

107 100

109 92.4 73.9 110.9





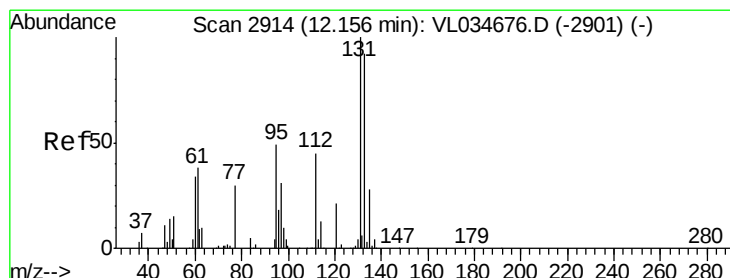
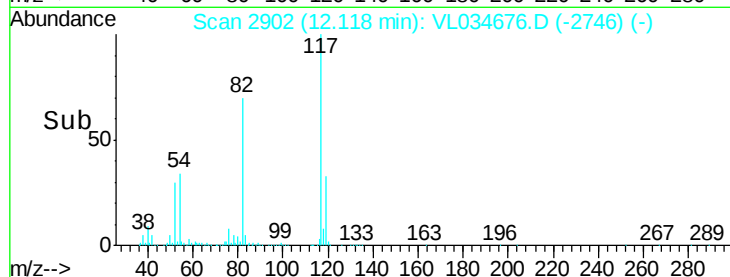
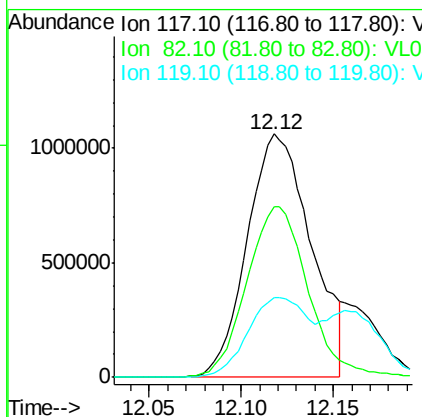
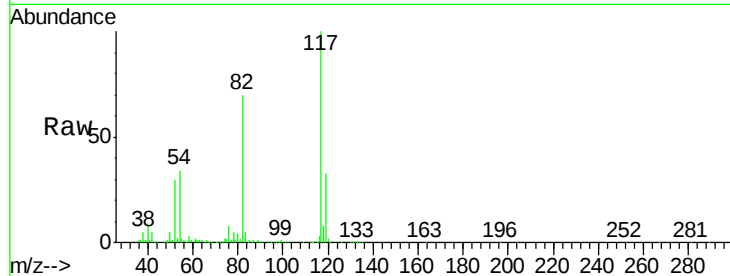
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.12 min Scan# 2902
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:117 Resp: 2550994
Ion Ratio Lower Upper
117 100
82 67.6 54.1 81.1
119 34.5 27.6 41.4

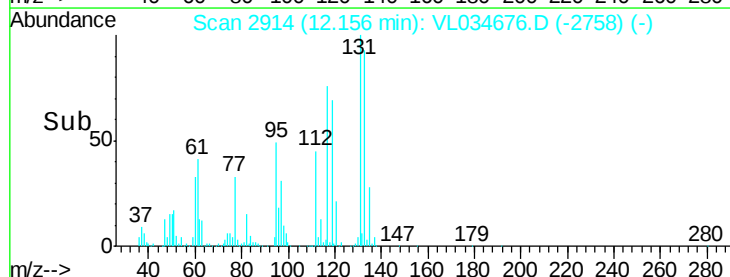
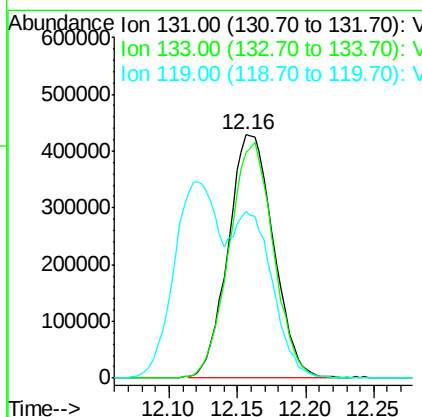
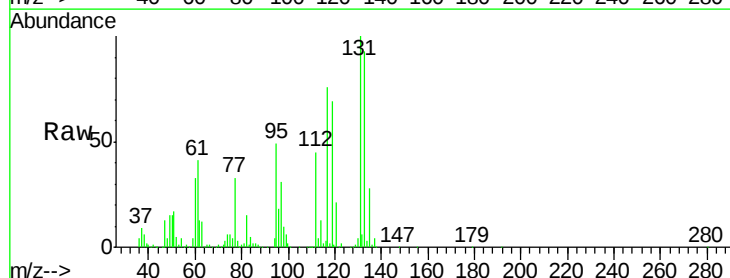
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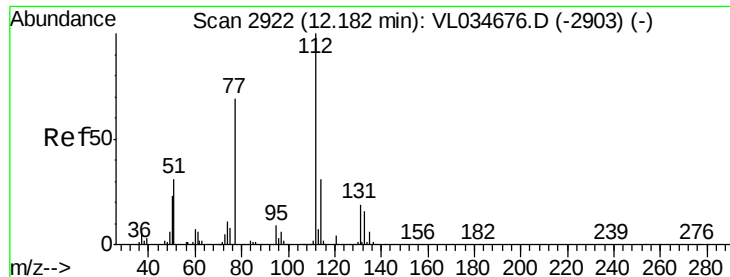
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.789 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Tgt Ion:131 Resp: 980341
Ion Ratio Lower Upper
131 100
133 95.7 76.6 114.8
119 64.1 51.3 76.9





#57

Chlorobenzene

Concen: 8.021 ppbv

RT: 12.18 min Scan# 2922

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

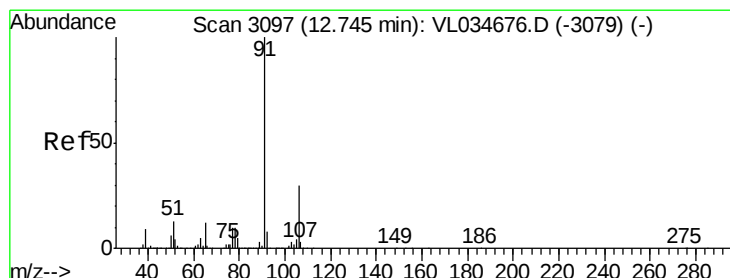
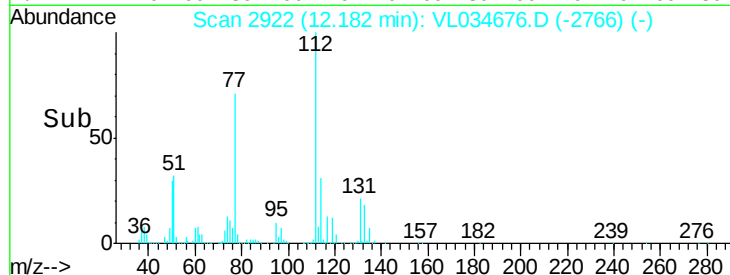
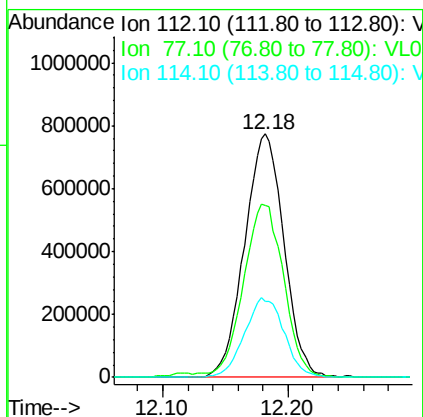
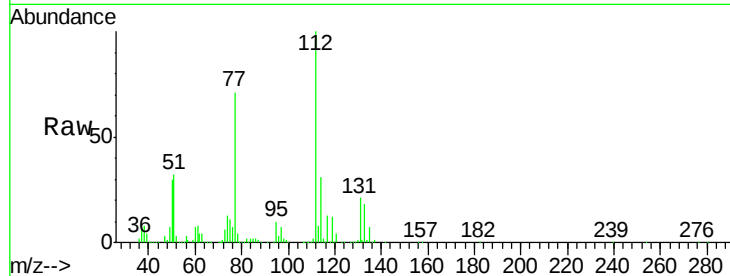
ClientSampleId :

VSTDICCC010

Tot Ion:	112	Resp:	1690854
Ion	Ratio	Lower	Upper
112	100		
77	70.6	56.5	84.7
114	31.2	28.1	34.3

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#58

Ethyl Benzene

Concen: 8.927 ppbv

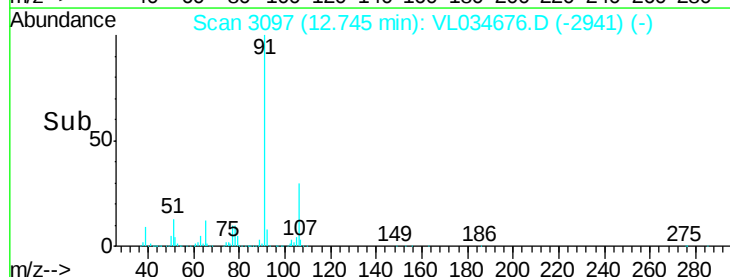
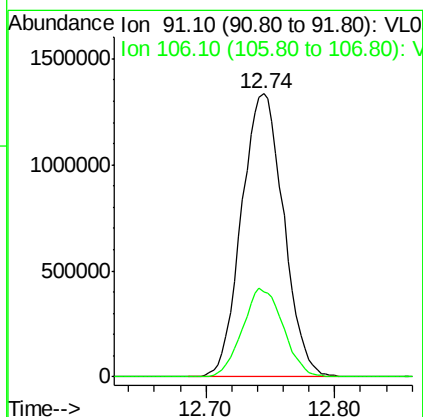
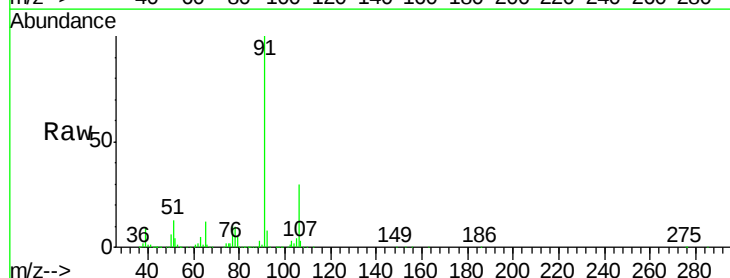
RT: 12.74 min Scan# 3097

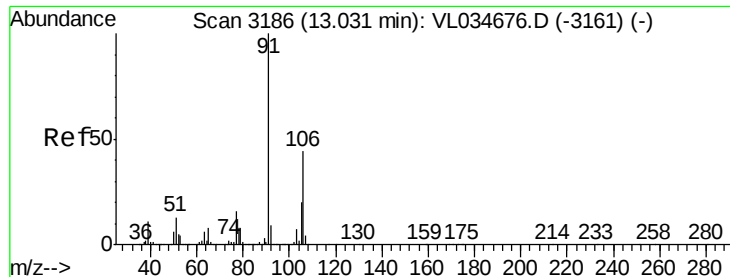
Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Tgt Ion:	91	Resp:	3029783
Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.0	36.0





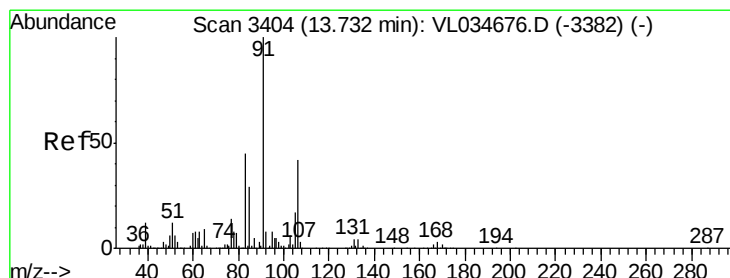
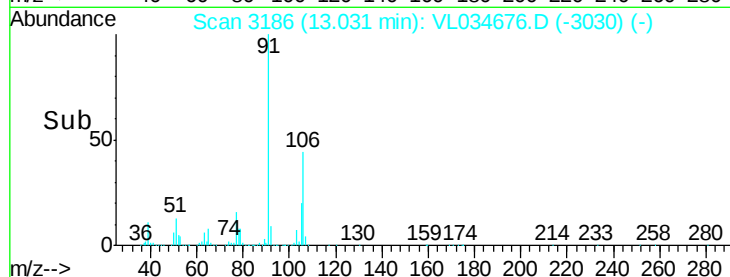
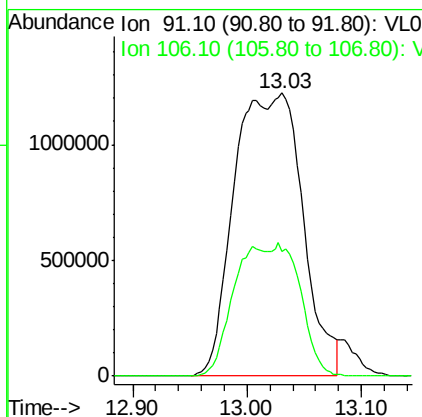
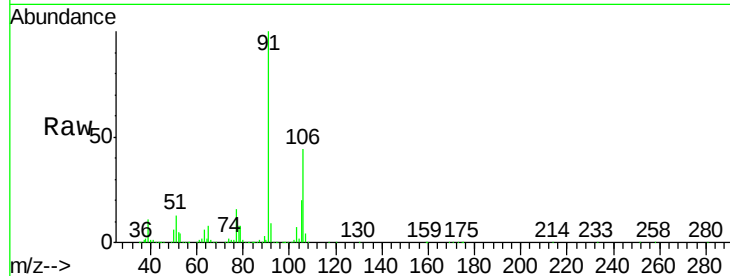
#59
m/p-Xylene
Concen: 17.031 ppbv m
RT: 13.03 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 5070783
Ion Ratio Lower Upper
91 100
106 44.6 35.6 53.4

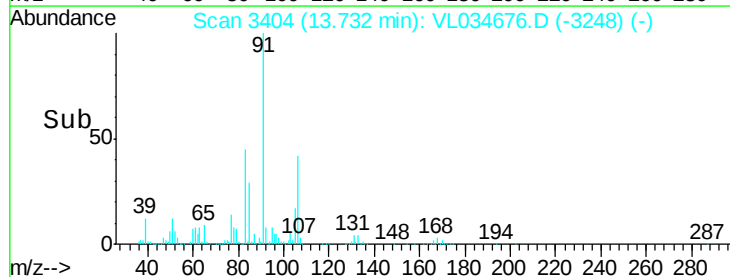
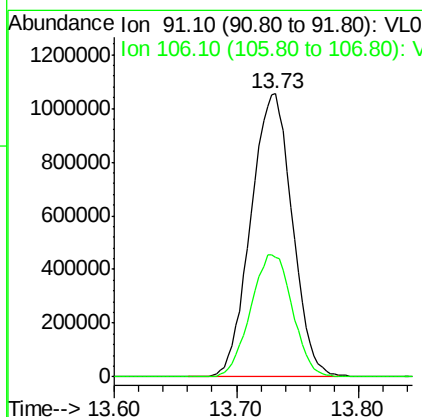
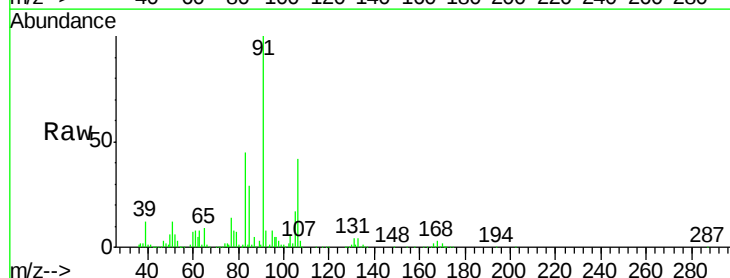
Manual Integrations
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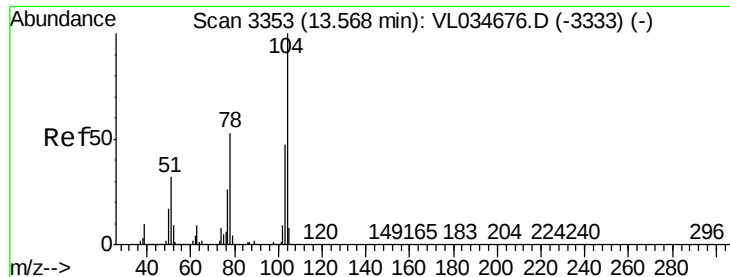
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#60
o-Xylene
Concen: 8.325 ppbv
RT: 13.73 min Scan# 3404
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Tgt Ion: 91 Resp: 2476109
Ion Ratio Lower Upper
91 100
106 43.6 21.9 65.5





#61

Stvrene

Concen: 8.890 ppbv

RT: 13.57 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampled :

VSTDICCC010

Tot Ion:104 Resp: 1806565

Ion Ratio Lower Upper

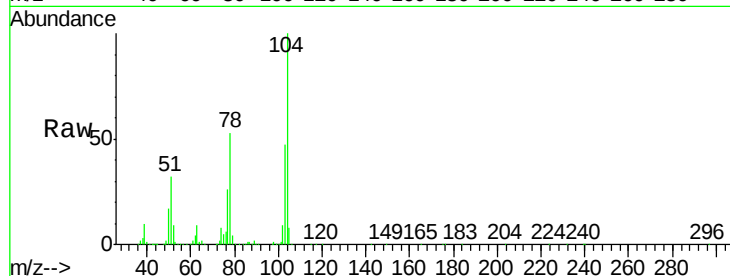
104 100

78 55.3 44.2 66.4

103 46.7 37.4 56.0

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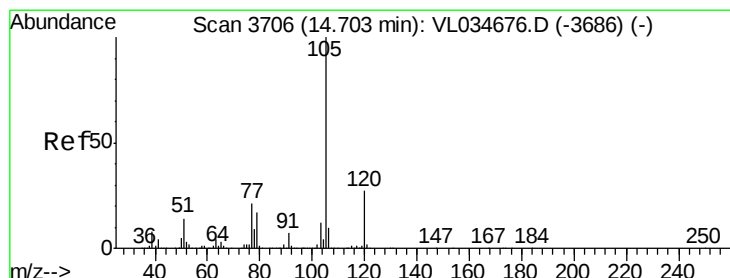
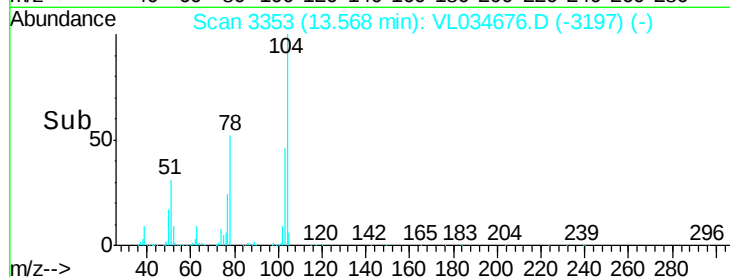
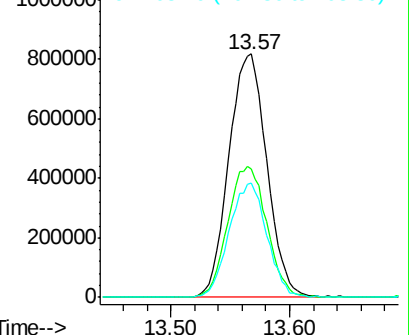
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.149 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. 0.00 min

Lab File: VL034676.D

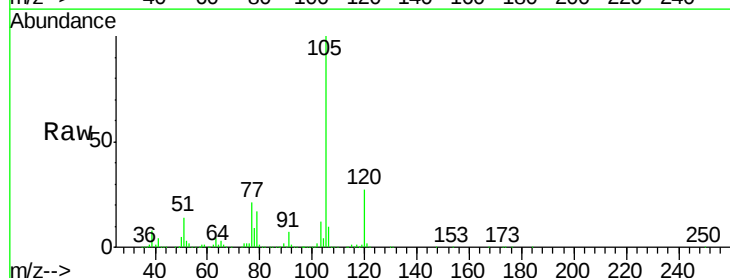
Acq: 26 Feb 2020 2:27

Tgt Ion:105 Resp: 3604792

Ion Ratio Lower Upper

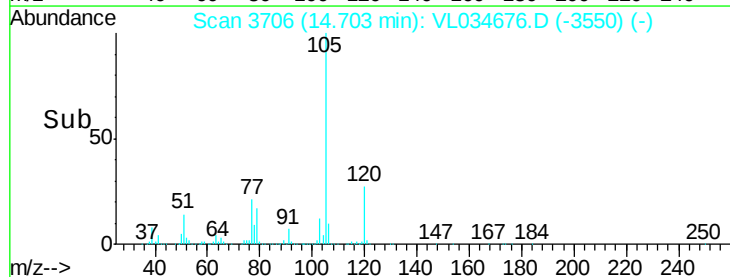
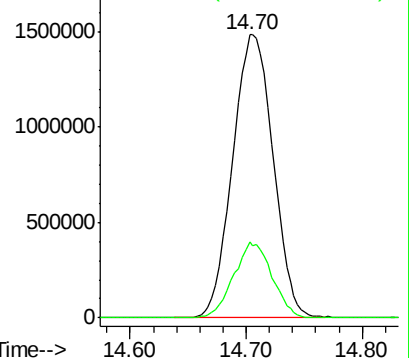
105 100

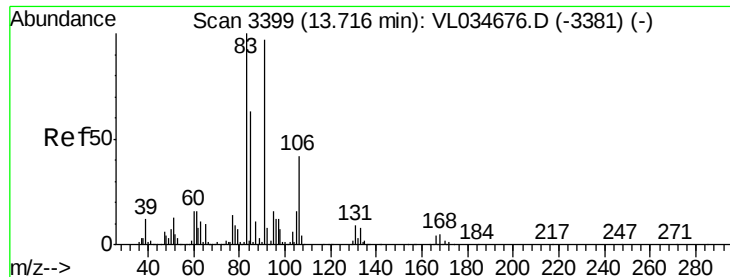
120 25.4 20.2 30.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





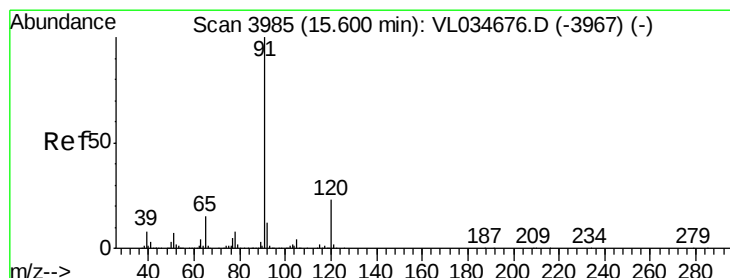
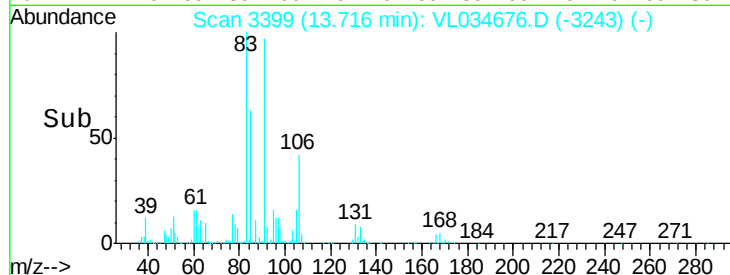
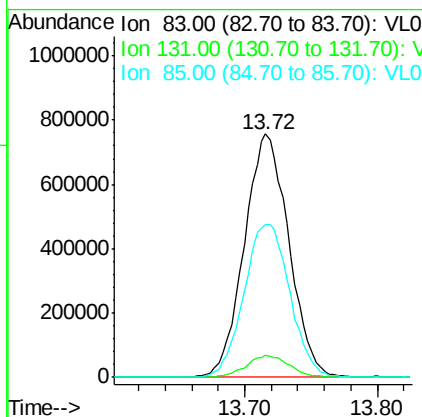
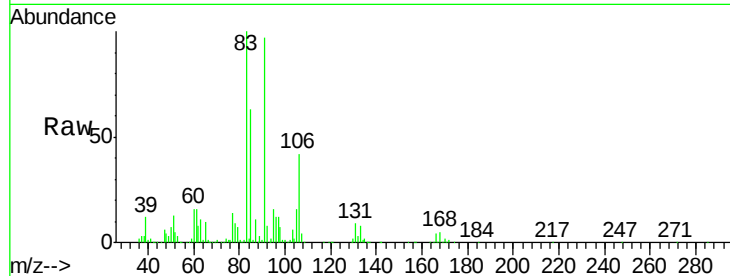
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.471 ppbv
 RT: 13.72 min Scan# 3399
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	83	Resp	1764550
Ion Ratio	100	Lower	Upper
83	100		
131	8.8	4.4	13.2
85	65.0	32.5	97.5

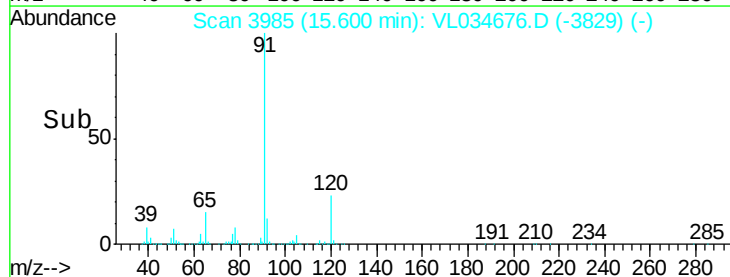
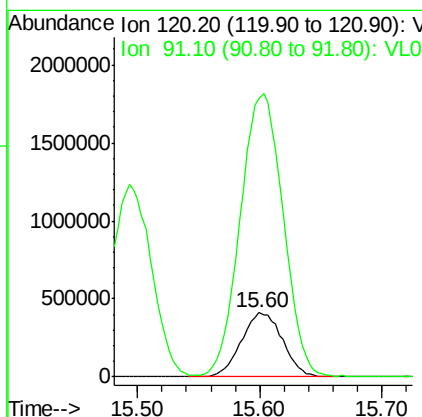
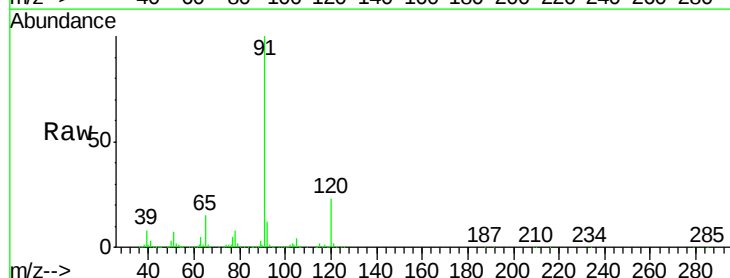
Manual Integrations
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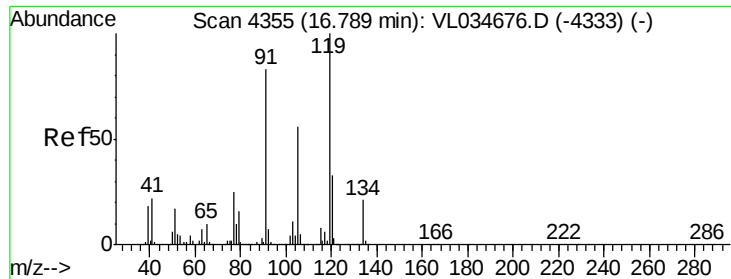
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#64
 n-propylbenzene
 Concen: 9.571 ppbv
 RT: 15.60 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Tgt Ion	120	Resp	957100
Ion Ratio	100	Lower	Upper
120	100		
91	462.3	369.8	554.8





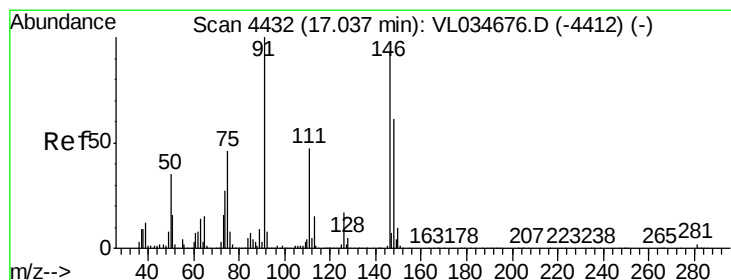
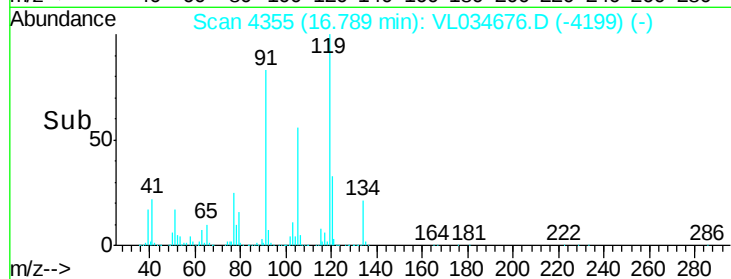
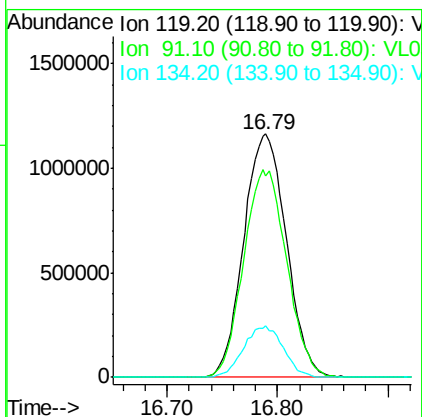
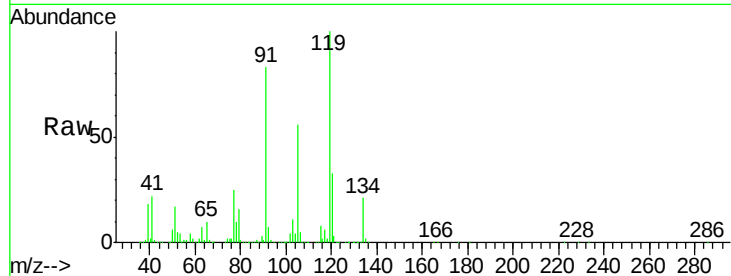
#65
tert-Butylbenzene
Concen: 9.072 ppbv
RT: 16.79 min Scan# 4355
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	86.5	69.1	103.7
134	19.8	15.8	23.8

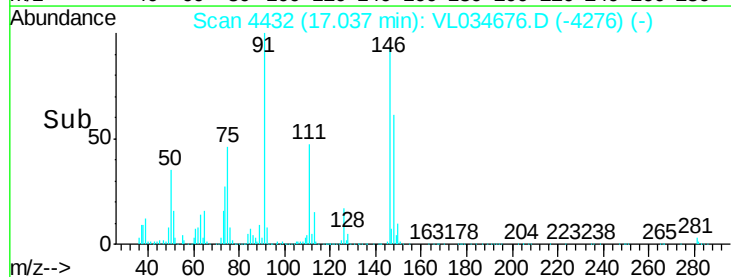
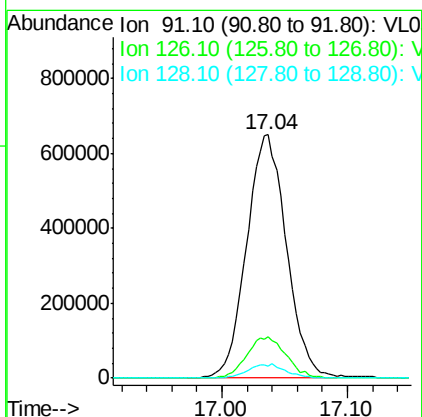
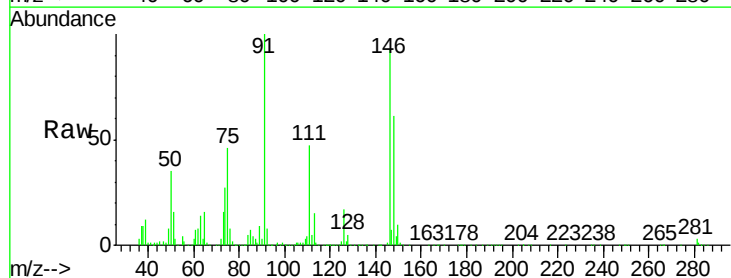
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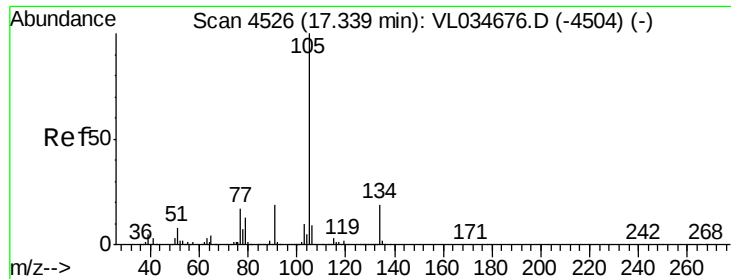
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#66
Benzyl Chloride
Concen: 10.811 ppbv
RT: 17.04 min Scan# 4432
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.9	13.5	20.3
128	5.3	4.2	6.4





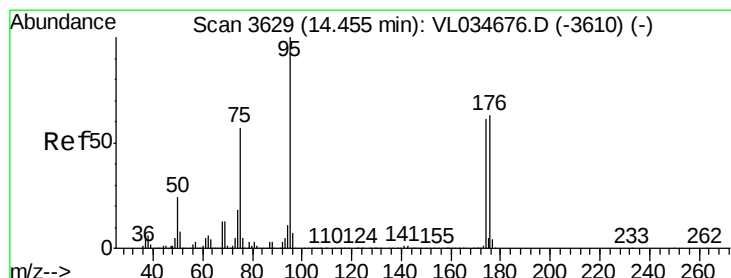
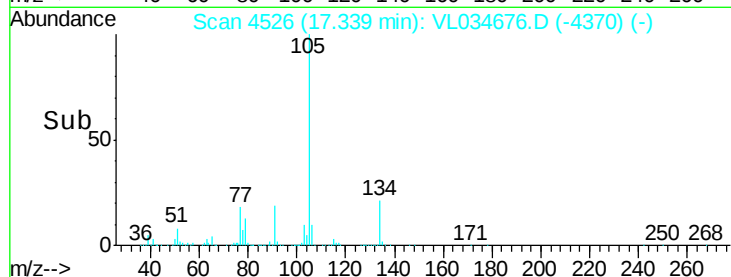
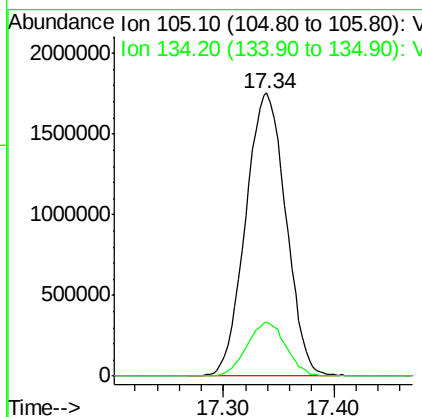
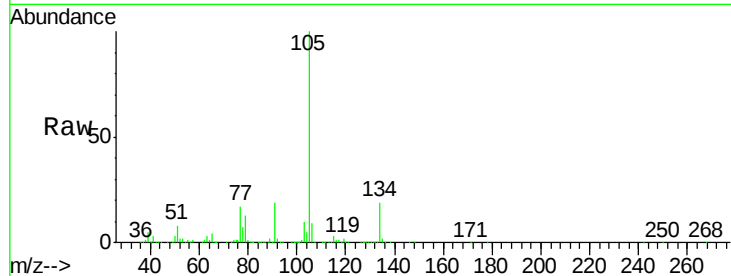
#67
 sec-Butylbenzene
 Concen: 9.042 ppbv
 RT: 17.34 min Scan# 4526
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 105 Resp: 4436365
 Ion Ratio Lower Upper
 105 100
 134 18.5 14.8 22.2

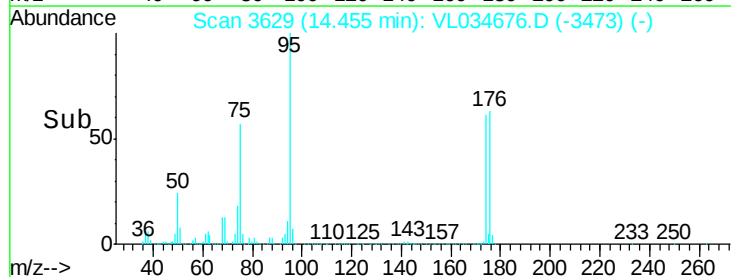
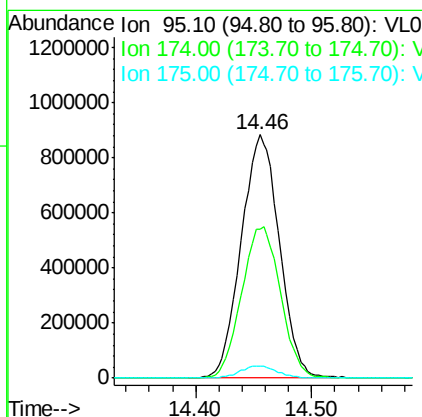
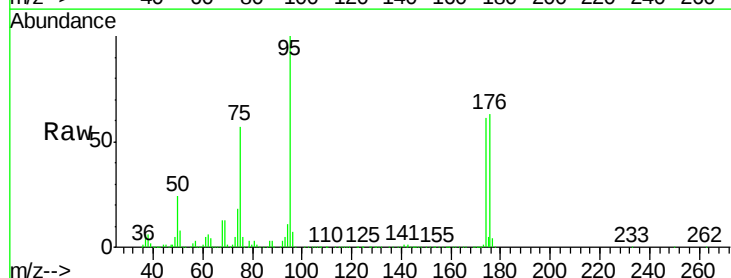
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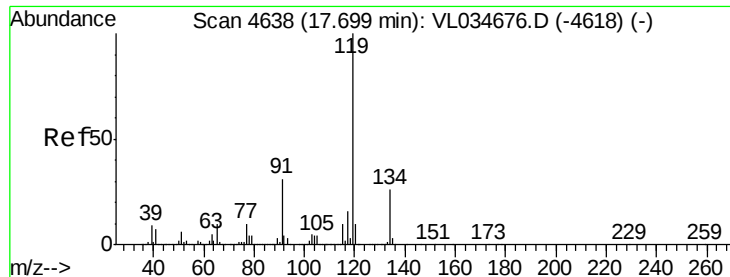
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.662 ppbv
 RT: 14.46 min Scan# 3629
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Tgt Ion: 95 Resp: 2023160
 Ion Ratio Lower Upper
 95 100
 174 63.4 50.7 76.1
 175 4.9 3.9 5.9





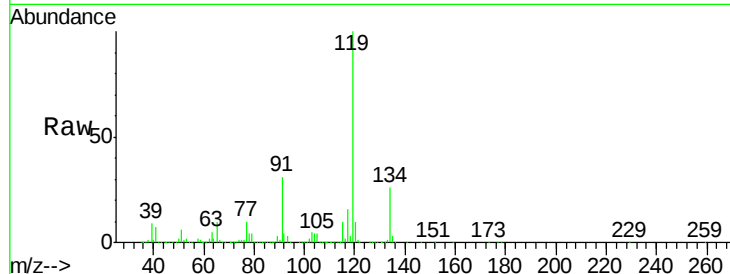
#69
 p-Isopropyltoluene
 Concen: 9.435 ppbv
 RT: 17.70 min Scan# 4638
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

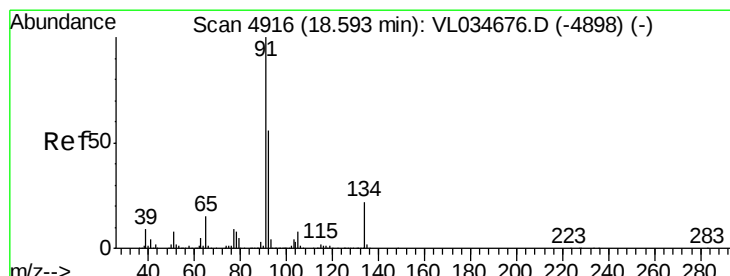
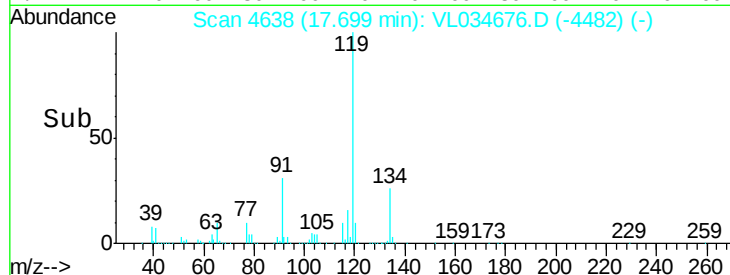
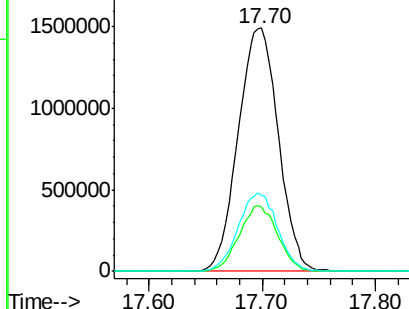
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.6	31.0
91	31.5	25.3	37.9

Manual Integrations
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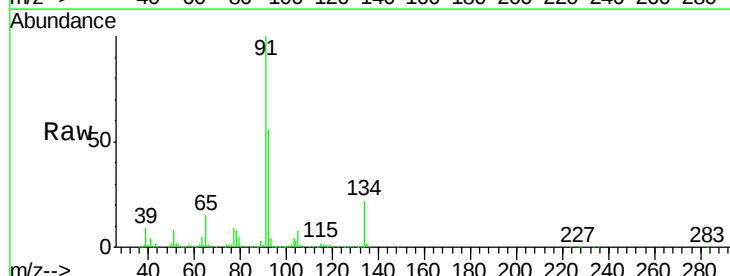


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

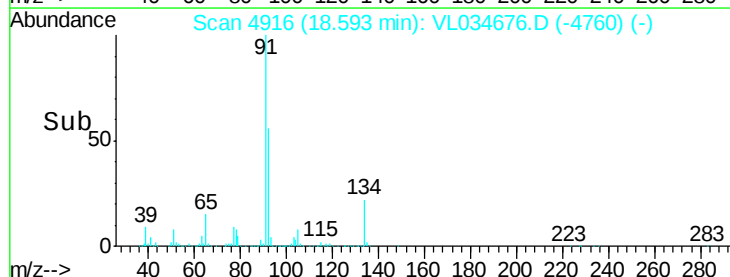
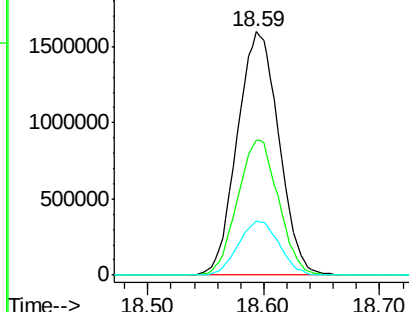


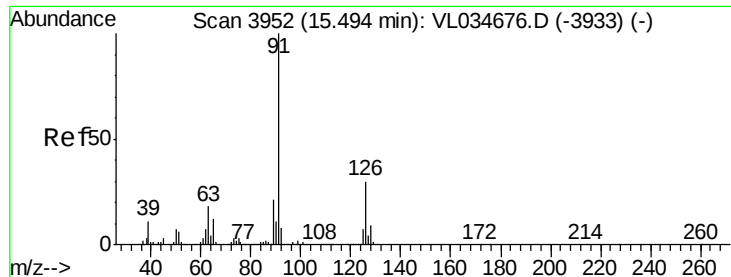
#70
 n-Butylbenzene
 Concen: 9.535 ppbv
 RT: 18.59 min Scan# 4916
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.7	43.8	65.6
134	22.0	17.6	26.4



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





#71

2-Chlorotoluene

Concen: 9.436 ppbv

RT: 15.49 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 2850406

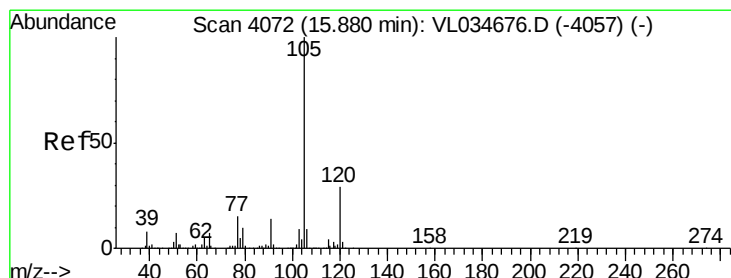
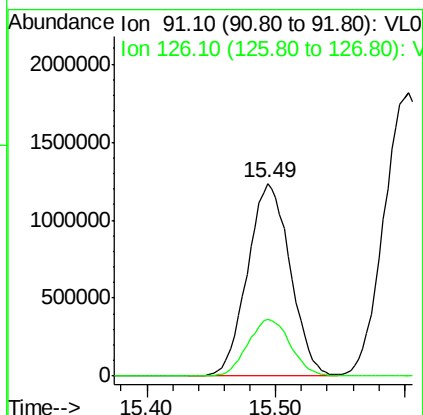
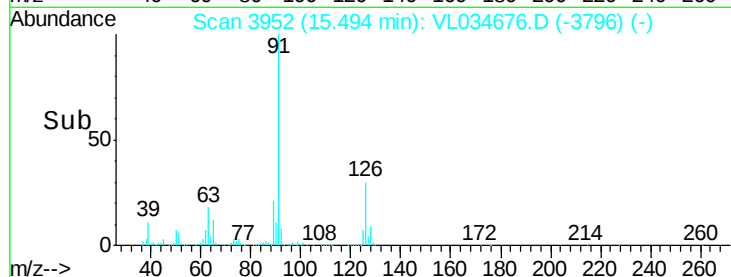
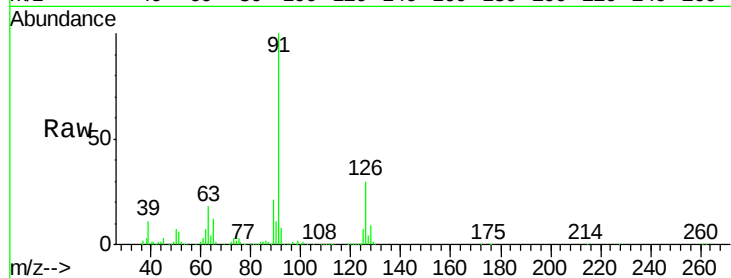
Ion Ratio Lower Upper

91 100

126 29.5 11.8 47.2

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#72

4-Ethyltoluene

Concen: 8.814 ppbv

RT: 15.88 min Scan# 4072

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Tgt Ion: 105 Resp: 2893467

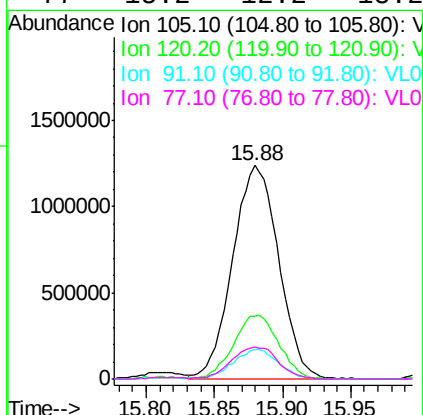
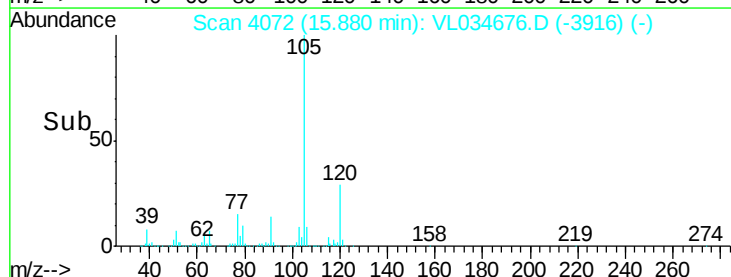
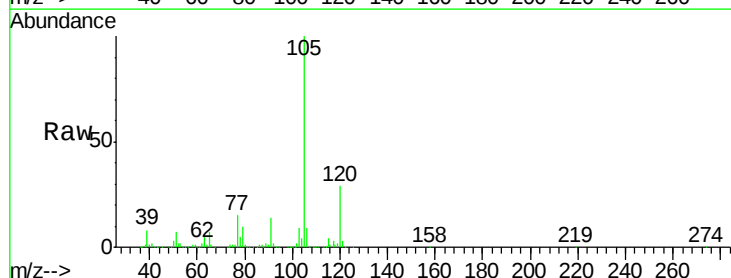
Ion Ratio Lower Upper

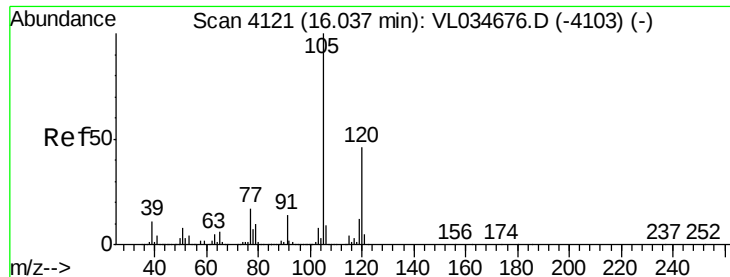
105 100

120 29.6 23.7 35.5

91 13.6 10.9 16.3

77 15.2 12.2 18.2





#73

1,3,5-Trimethylbenzene

Concen: 8.769 ppbv

RT: 16.04 min Scan# 4121

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 2729948

Ion Ratio Lower Upper

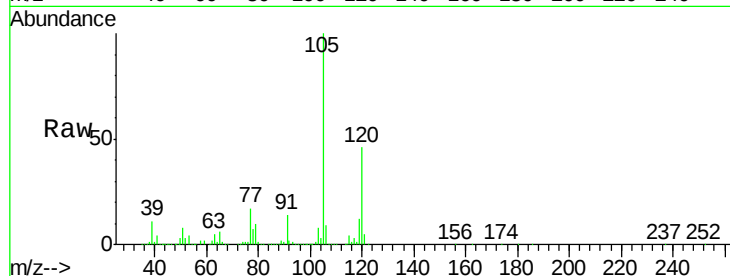
105 100

120 46.4 37.1 55.7

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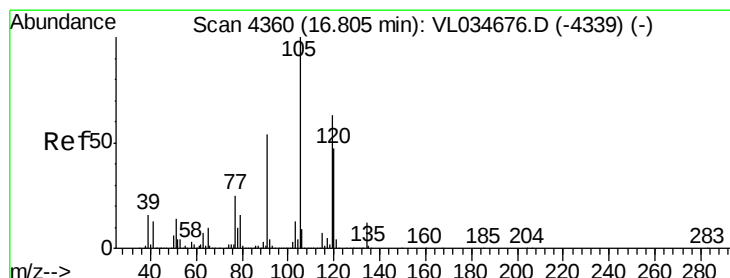
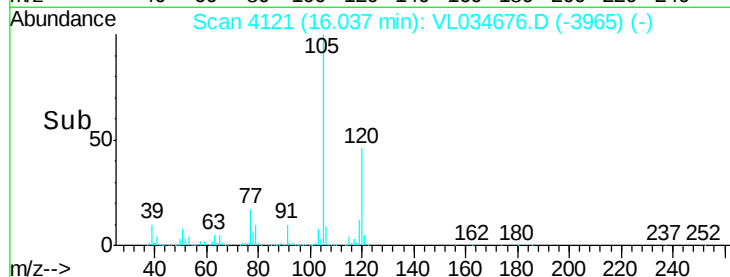
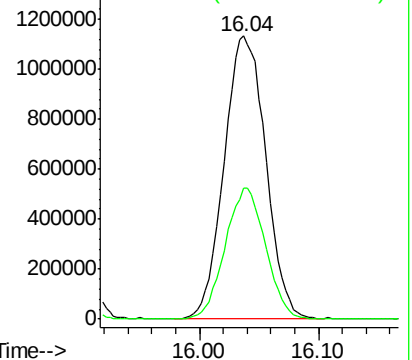
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.332 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Tgt Ion:105 Resp: 2795101

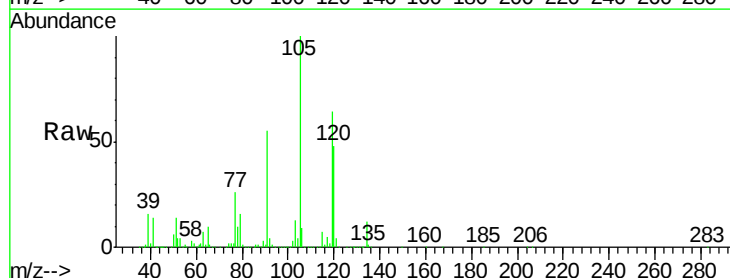
Ion Ratio Lower Upper

105 100

120 47.4 37.9 56.9

91 54.9 43.9 65.9

77 25.4 20.3 30.5

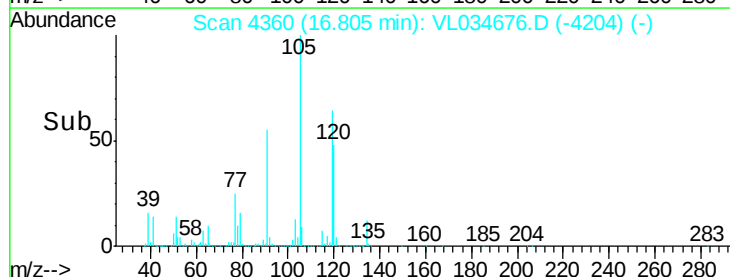
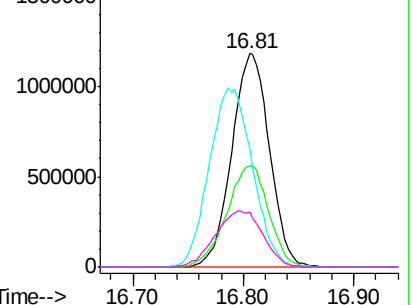


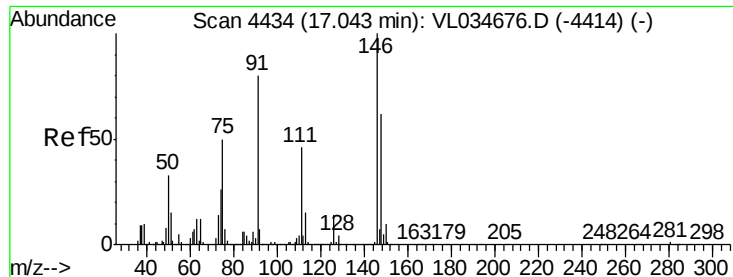
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





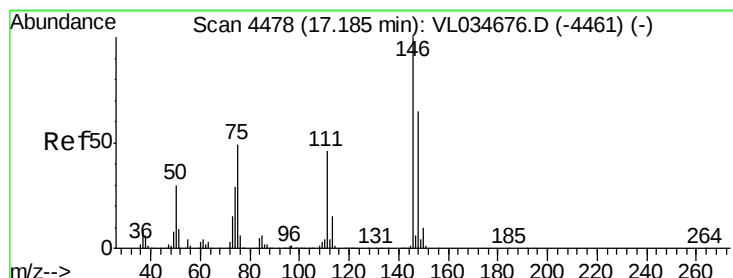
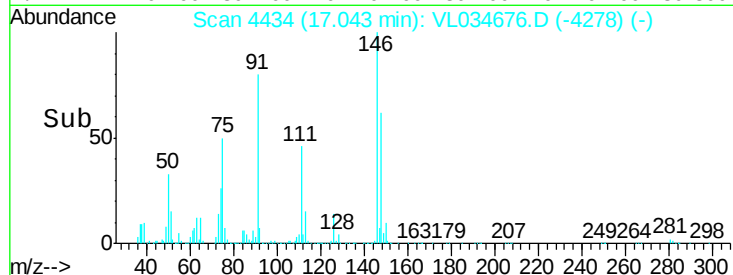
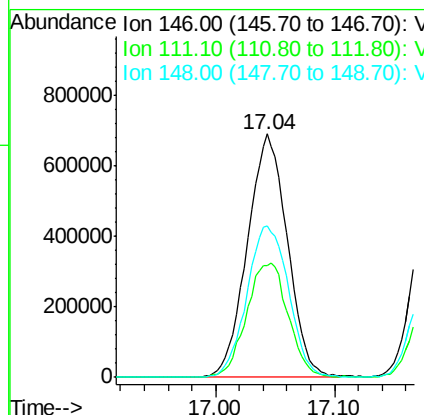
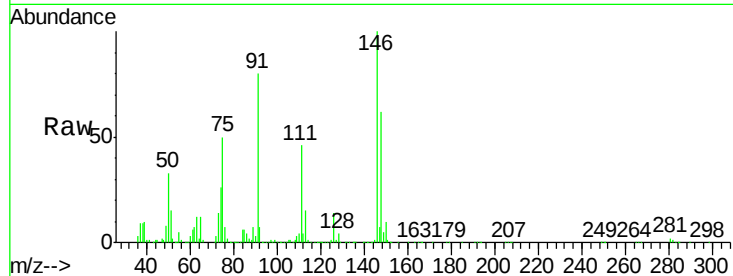
#75
 1,3-Dichlorobenzene
 Concen: 8.162 ppbv
 RT: 17.04 min Scan# 4434
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:146 Resp: 1607343
 Ion Ratio Lower Upper
 146 100
 111 48.8 24.4 73.2
 148 65.0 32.5 97.4

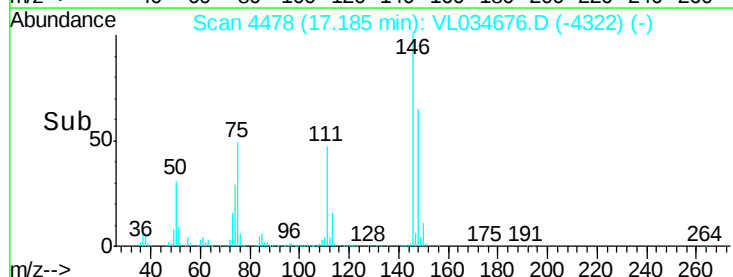
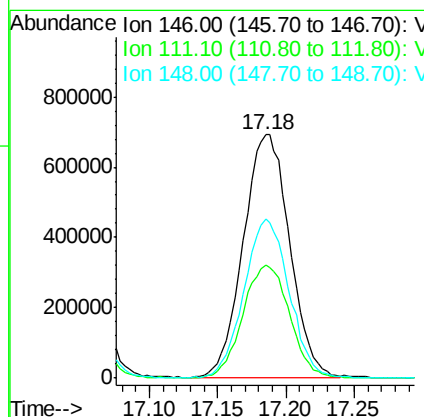
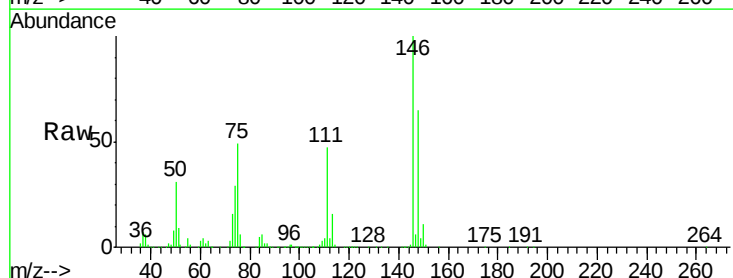
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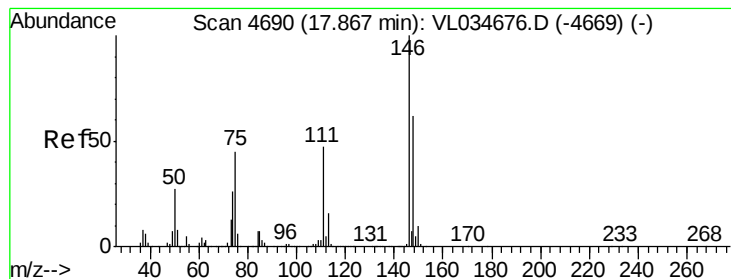
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#76
 1,4-Dichlorobenzene
 Concen: 8.437 ppbv
 RT: 17.18 min Scan# 4478
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Tgt Ion:146 Resp: 1639722
 Ion Ratio Lower Upper
 146 100
 111 46.8 23.4 70.0
 148 63.5 31.9 95.5





#77

1,2-Dichlorobenzene

Concen: 8.282 ppbv

RT: 17.87 min Scan# 4690

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:146 Resp: 1571245

Ion Ratio Lower Upper

146 100

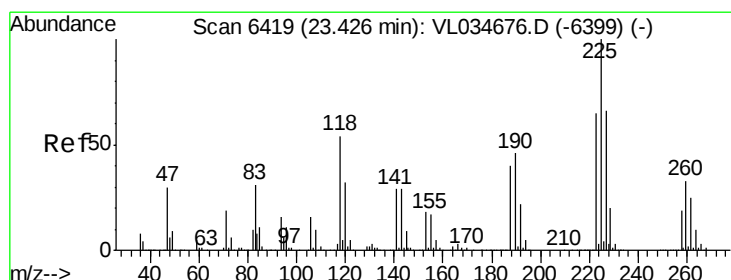
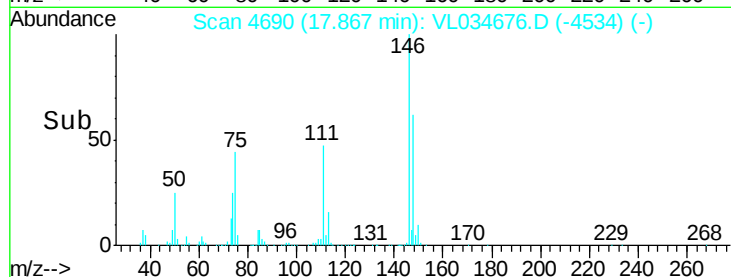
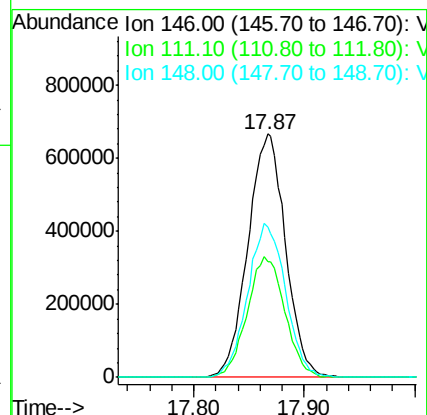
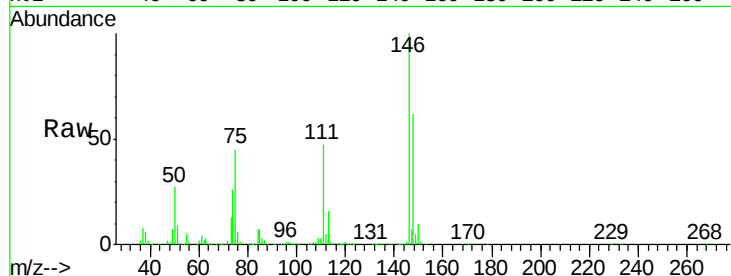
111 49.8 24.9 74.7

148 64.0 32.0 96.0

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#78

Hexachloro-1,3-Butadiene

Concen: 8.304 ppbv

RT: 23.43 min Scan# 6419

Delta R.T. 0.00 min

Lab File: VL034676.D

Acq: 26 Feb 2020 2:27

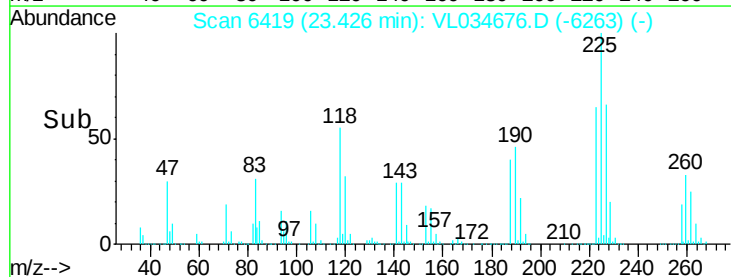
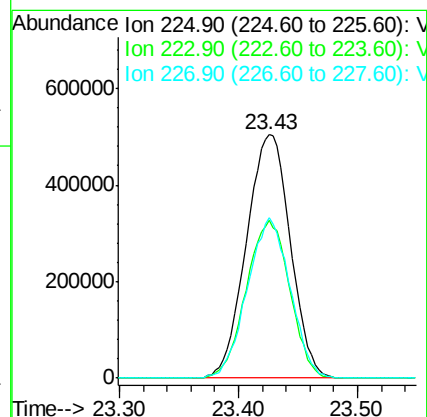
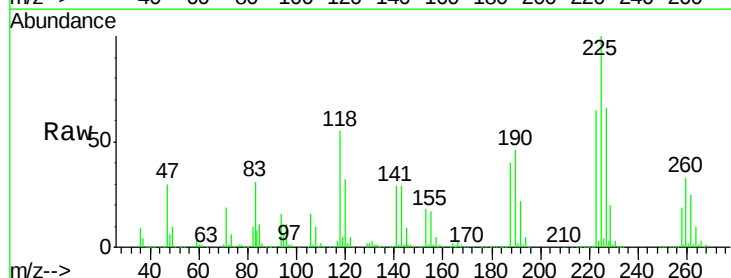
Tgt Ion:225 Resp: 1289723

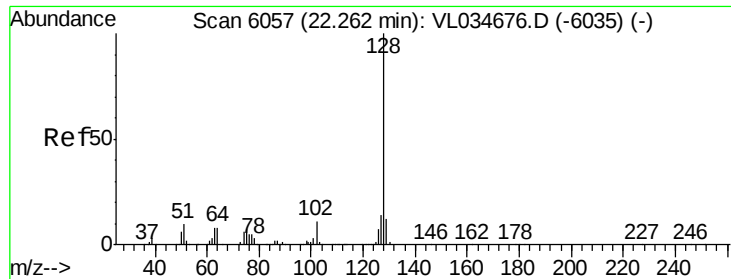
Ion Ratio Lower Upper

225 100

223 64.1 51.3 76.9

227 64.1 51.3 76.9





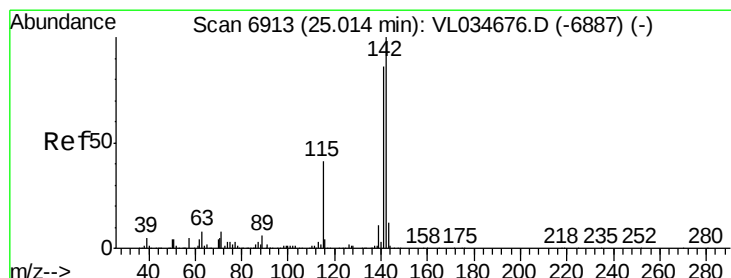
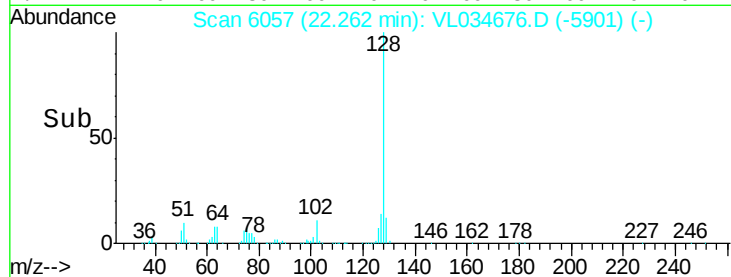
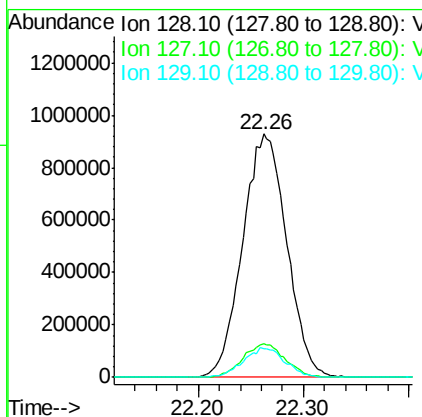
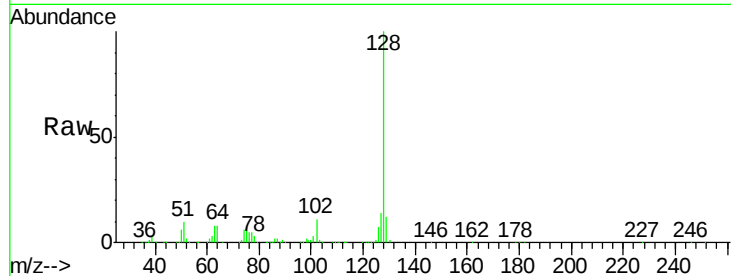
#79
Naphthalene
Concen: 10.561 ppbv
RT: 22.26 min Scan# 6057
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	11.0	16.6
129	11.8	9.4	14.2

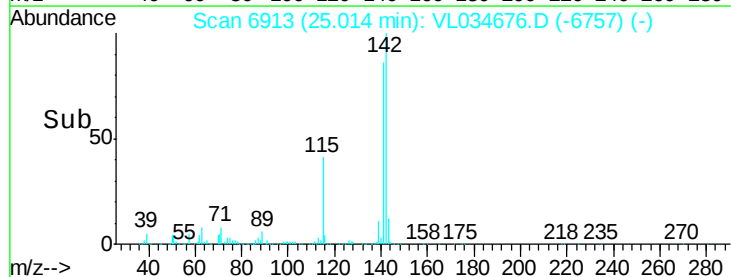
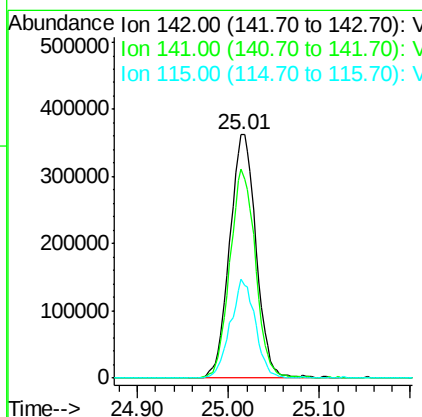
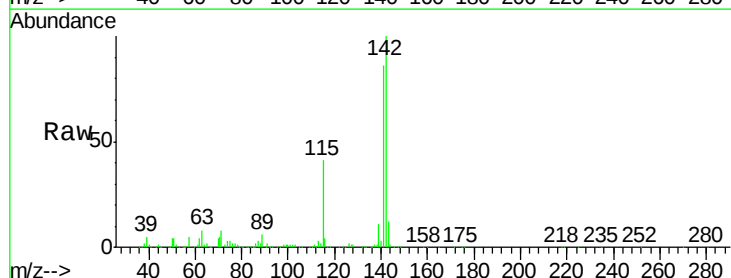
Manual Integrations
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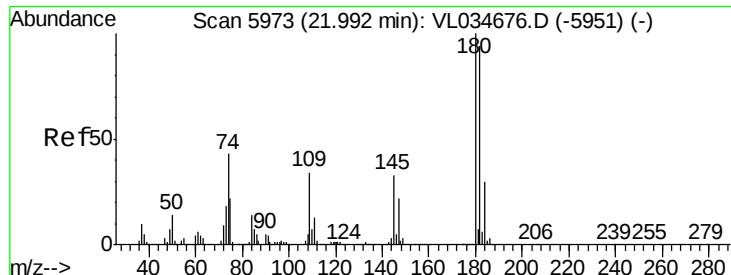
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#80
Naphthalene, 2-methyl-
Concen: 13.609 ppbv
RT: 25.01 min Scan# 6913
Delta R.T. 0.00 min
Lab File: VL034676.D
Acq: 26 Feb 2020 2:27

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.9	66.5	99.7
115	38.5	30.6	46.0





#81
 1,2,4-Trichlorobenzene
 Concen: 9.784 ppbv
 RT: 21.99 min Scan# 5973
 Delta R.T. 0.00 min
 Lab File: VL034676.D
 Acq: 26 Feb 2020 2:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.5	114.7
184	31.5	25.2	37.8

Manual Integrations
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