

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050620\
 Data File : VL034936.D
 Acq On : 6 May 2020 10:07
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDICCC010

Manual Integrations
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 5/7/2020 2:29:26 PM

Quant Time: May 06 12:40:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 0
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1218700	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2855402	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2818339	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2215206	10.08	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1300516	7.793	ppbv 98
3) Chlorodifluoromethane	2.95	51	1188455	8.730	ppbv 98
4) Chloromethane	3.11	50	687029	8.929	ppbv 97
5) Vinyl Chloride	3.22	62	679416	9.185	ppbv 94
6) Bromomethane	3.44	94	407336	9.460	ppbv 90
7) Chloroethane	3.52	64	251673	9.422	ppbv 96
8) Dichlorotetrafluoroethane	3.15	85	1520638	8.774	ppbv 95
9) Propene	2.97	41	537690	8.272	ppbv 99
10) Heptane	8.13	43	1451587	9.074	ppbv 97
11) Trichlorofluoromethane	3.92	101	1564914	8.814	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1110384	8.936	ppbv 95
13) Ethanol	3.57	45	162801	8.239	ppbv 93
14) Bromoethene	3.71	108	494769	9.219	ppbv 100
15) Acetone	3.82	43	1221391	7.733	ppbv 98
16) 1,3-Butadiene	3.29	39	618960	8.665	ppbv 98
17) tert-Butyl alcohol	4.27	59	1282209	8.426	ppbv 99
18) 1,1-Dichloroethene	4.27	96	517363	9.402	ppbv 96
19) Isopropyl Alcohol	3.94	45	940674	9.430	ppbv # 40
20) Methylene Chloride	4.32	84	453373	9.078	ppbv 92
21) Allyl Chloride	4.39	41	878920	8.664	ppbv 98
22) trans-1,2-Dichloroethene	4.87	96	522870	9.366	ppbv 97
23) Vinyl Acetate	5.06	43	1908748	8.181	ppbv 98
24) 1,1-Dichloroethane	5.00	63	1384427	8.851	ppbv 99
25) Ethyl Acetate	5.67	43	2431213	8.639	ppbv 100
26) Hexane	5.68	57	1071574	8.843	ppbv 99
27) Carbon Disulfide	4.53	76	1380790	10.042	ppbv 98
28) Methyl tert-Butyl Ether	5.02	73	1672256	8.294	ppbv 100
29) Chloroform	5.75	83	1662283	8.991	ppbv 99
30) Cyclohexane	7.14	84	895202	8.854	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1085967	8.763	ppbv 97
32) 1,1,1-Trichloroethane	6.52	97	1594167	8.849	ppbv 97
34) 2-Butanone	5.23	43	1595181	8.406	ppbv 99
35) Carbon Tetrachloride	7.03	117	1664314	9.371	ppbv 99
36) Benzene	6.90	78	2158018	8.479	ppbv 98
37) 1,2-Dichloroethane	6.31	62	1291191	8.997	ppbv 98
38) Trichloroethene	7.85	130	816323	8.445	ppbv 97
39) 1,2-Dichloropropane	7.63	63	848961	8.419	ppbv 96
40) 1,4-Dioxane	7.84	88	342883	9.004	ppbv # 99
41) Tetrahydrofuran	6.04	42	906642	8.830	ppbv 99
42) Bromodichloromethane	7.81	83	1782973	9.116	ppbv 97
43) Methyl Methacrylate	8.03	69	990256	9.235	ppbv 97

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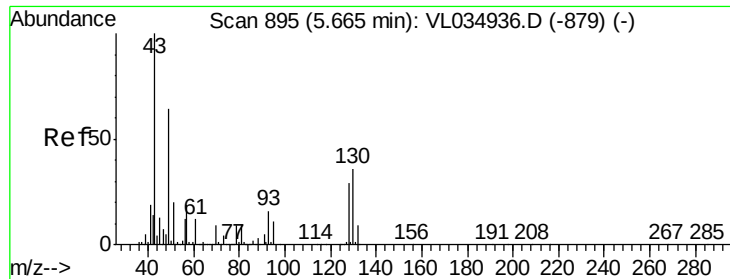
Manual Integrations
 APPROVED

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Quant Time: May 06 12:40:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 0
 QLast Update : Mon Mar 09 16:42:53 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3724723	8.660	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1120153	8.892	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1311620	8.762	ppbv	95
47) 1,1,2-Trichloroethane	9.50	97	888925	8.590	ppbv	96
48) Dibromochloromethane	10.33	129	1485816	8.866	ppbv	99
49) Bromoform	13.08	173	1316985	8.813	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2384830	8.731	ppbv	99
51) 2-Hexanone	10.16	43	1970597	8.877	ppbv #	99
52) Tetrachloroethene	11.26	164	746178	7.411	ppbv	98
53) Toluene	9.83	91	2482218	8.445	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1352678	8.683	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.16	131	1104434	8.724	ppbv	97
57) Chlorobenzene	12.18	112	1860748	8.438	ppbv	95
58) Ethyl Benzene	12.74	91	3337768	8.745	ppbv	97
59) m/p-Xylene	13.03	91	5514037m	17.245	ppbv	
60) o-Xylene	13.73	91	2723914	8.725	ppbv	98
61) Styrene	13.57	104	1954377	8.920	ppbv	97
62) Isopropylbenzene	14.71	105	4022174	8.520	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.72	83	1921771	9.067	ppbv	100
64) n-propylbenzene	15.61	120	1056601	8.600	ppbv	94
65) tert-Butylbenzene	16.79	119	3421250	8.290	ppbv	97
66) Benzyl Chloride	17.04	91	1431997	8.322	ppbv	98
67) sec-Butylbenzene	17.34	105	4908357	8.578	ppbv	99
69) p-Isopropyltoluene	17.70	119	4045351	8.431	ppbv	98
70) n-Butylbenzene	18.60	91	4234283	8.649	ppbv	98
71) 2-Chlorotoluene	15.50	91	3112976	8.708	ppbv	98
72) 4-Ethyltoluene	15.88	105	3134867	8.502	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	2966090	8.594	ppbv	96
74) 1,2,4-Trimethylbenzene	16.81	105	3049887	8.577	ppbv	98
75) 1,3-Dichlorobenzene	17.05	146	1726657	8.053	ppbv	100
76) 1,4-Dichlorobenzene	17.19	146	1732047	8.095	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1671875	8.044	ppbv	99
78) Hexachloro-1,3-Butadiene	23.43	225	1338682	7.712	ppbv	99
79) Naphthalene	22.27	128	3048791	10.994	ppbv	99
80) Naphthalene, 2-methyl-	25.02	142	1276793	17.618	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	1602883	9.098	ppbv	99

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



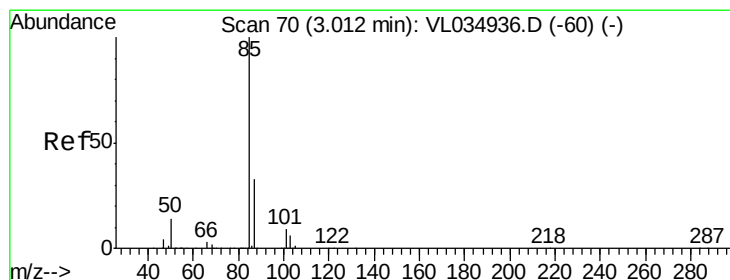
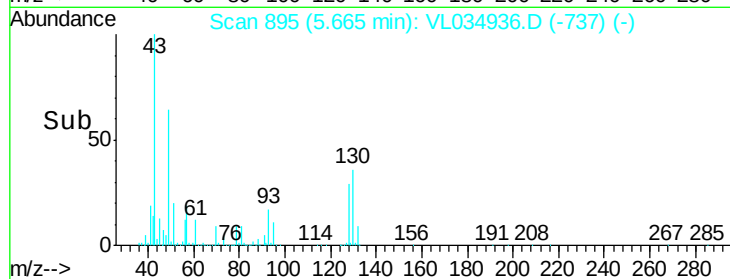
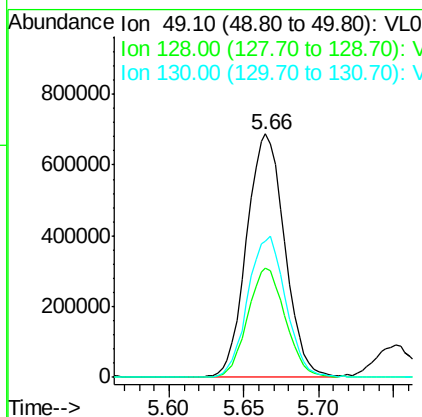
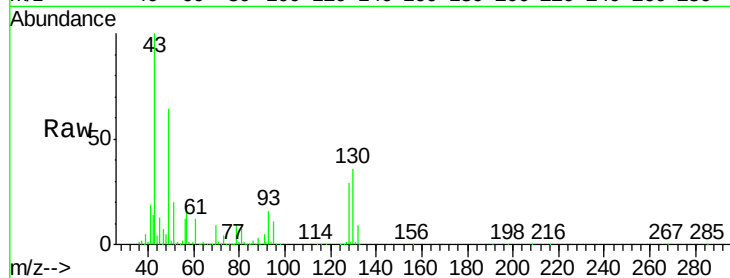
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 895
 Delta R.T. 0.01 min
 Lab File: VL034936.D
 Acq: 6 May 2020 10:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 49 Resp: 1218700
 Ion Ratio Lower Upper
 49 100
 128 44.3 23.4 70.3
 130 58.2 30.0 90.0

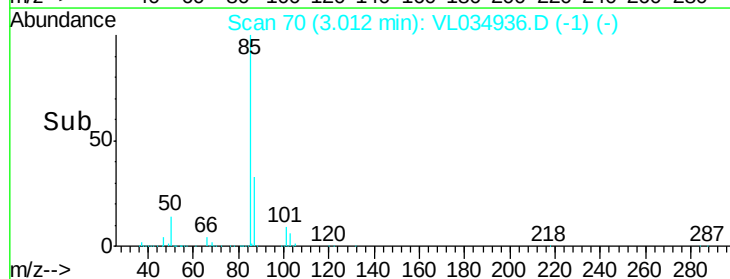
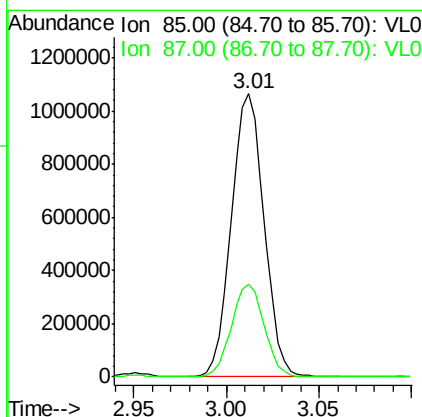
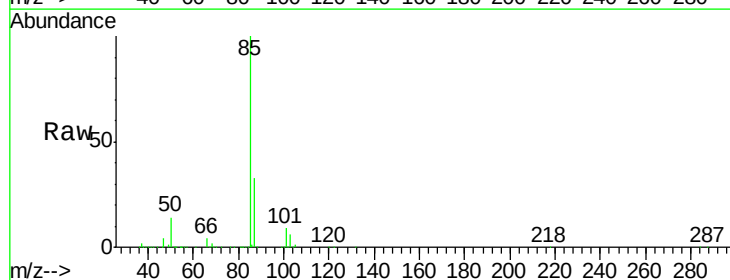
Manual Integrations
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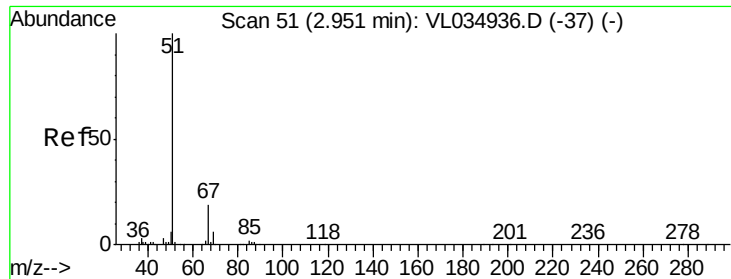
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#2
 Dichlorodifluoromethane
 Concen: 7.793 ppbv
 RT: 3.01 min Scan# 70
 Delta R.T. 0.01 min
 Lab File: VL034936.D
 Acq: 6 May 2020 10:07

Tgt Ion: 85 Resp: 1300516
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.9 40.3





#3

Chlorodifluoromethane

Concen: 8.730 ppbv

RT: 2.95 min Scan# 51

Delta R.T. 0.01 min

Lab File: VL034936.D

Acq: 6 May 2020 10:07

Tot Ion: 51 Resp: 1188455

Ion Ratio Lower Upper

51 100

67 18.8 14.3 21.5

Instrument :

MSVOA_L

ClientSampleId :

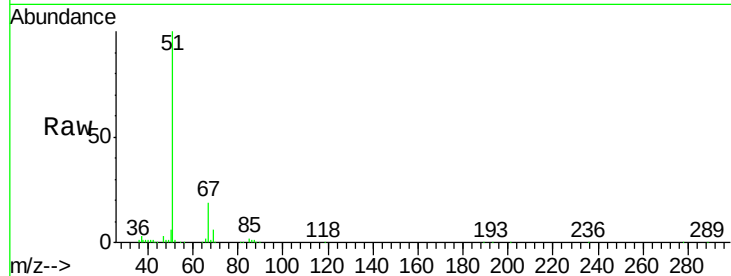
VSTDICCC010

Manual Integrations

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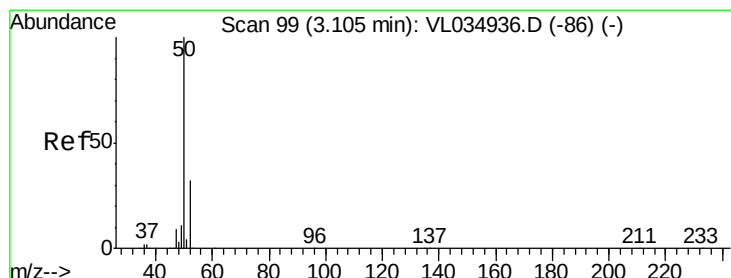
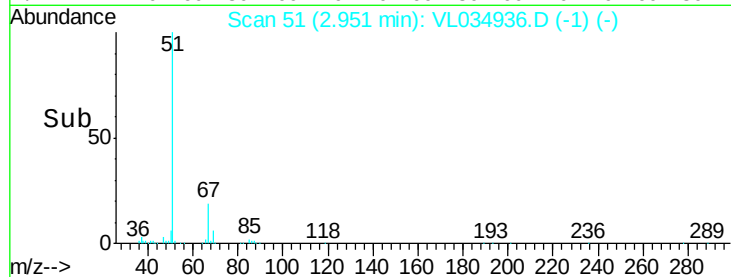
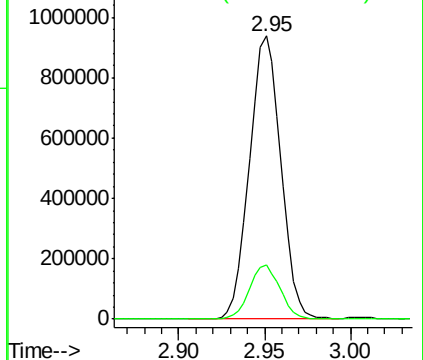
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.929 ppbv

RT: 3.11 min Scan# 99

Delta R.T. 0.01 min

Lab File: VL034936.D

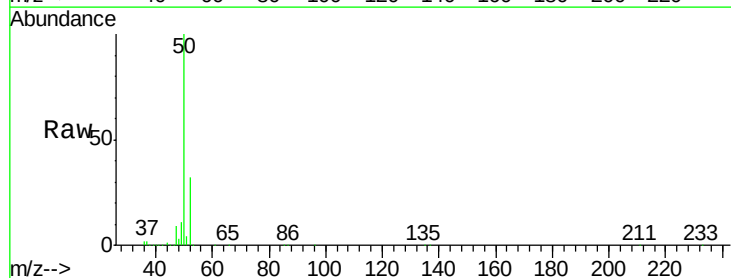
Acq: 6 May 2020 10:07

Tgt Ion: 50 Resp: 687029

Ion Ratio Lower Upper

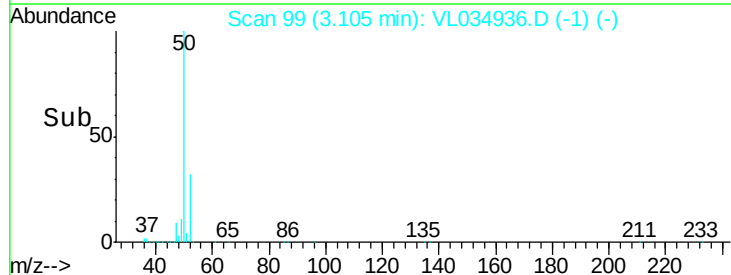
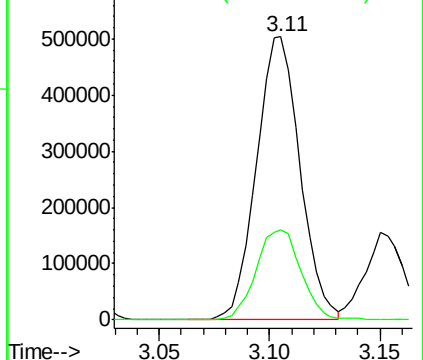
50 100

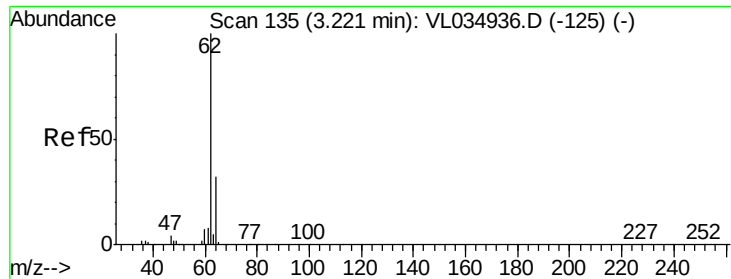
52 31.8 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.185 ppbv

RT: 3.22 min Scan# 135

Delta R.T. 0.00 min

Lab File: VL034936.D

Acq: 6 May 2020 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 679416

Ion Ratio Lower Upper

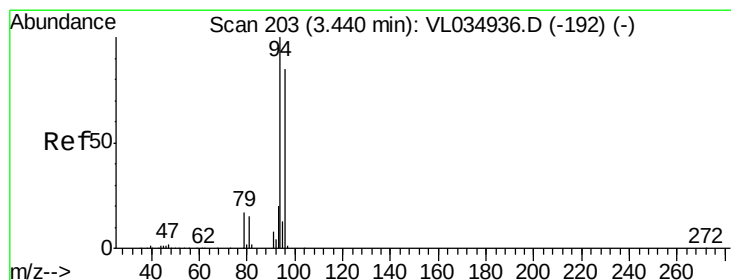
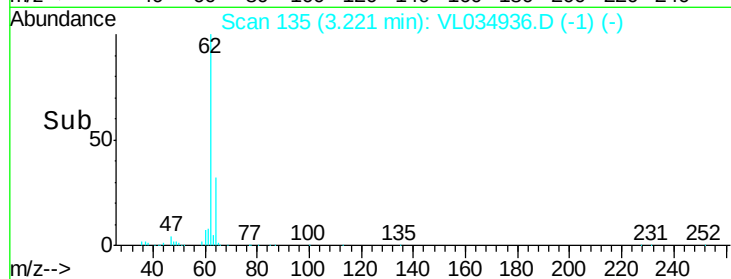
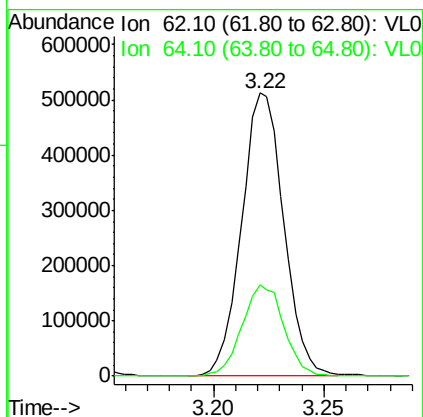
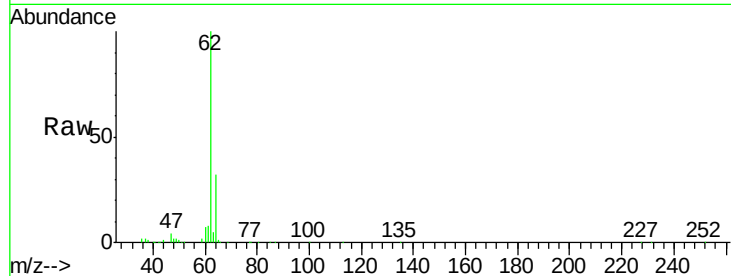
62 100

64 32.1 23.0 34.4

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#6

Bromomethane

Concen: 9.460 ppbv

RT: 3.44 min Scan# 203

Delta R.T. 0.00 min

Lab File: VL034936.D

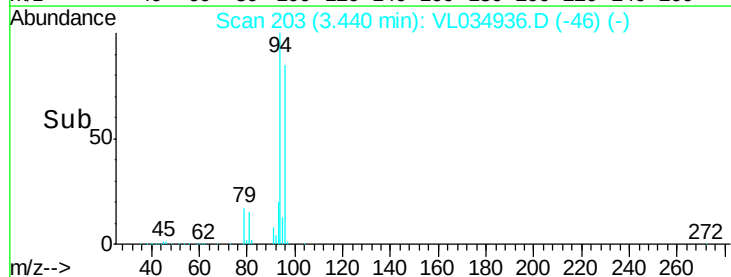
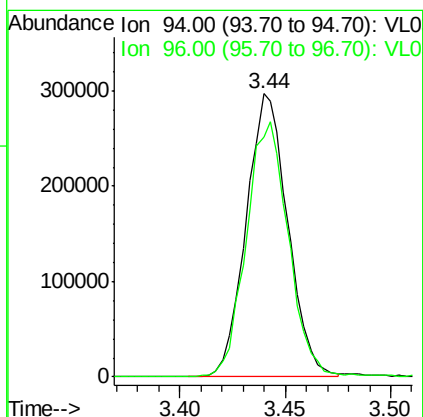
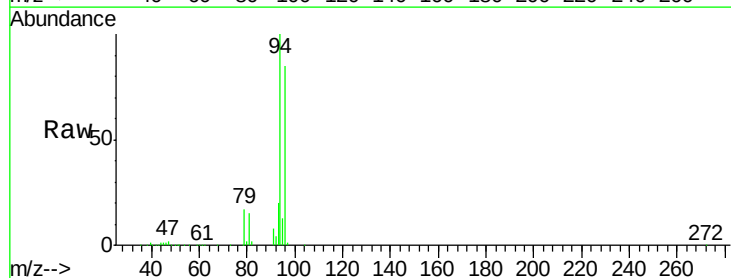
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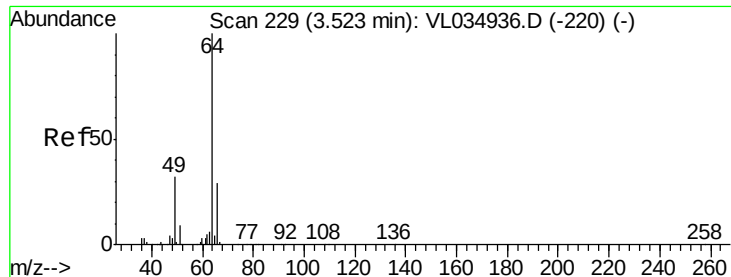
Tgt Ion: 94 Resp: 407336

Ion Ratio Lower Upper

94 100

96 84.9 75.5 113.3





#7

Chloroethane

Concen: 9.422 ppbv

RT: 3.52 min Scan# 229

Delta R.T. 0.00 min

Lab File: VL034936.D

Acq: 6 May 2020 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 251673

Ion Ratio Lower Upper

64 100

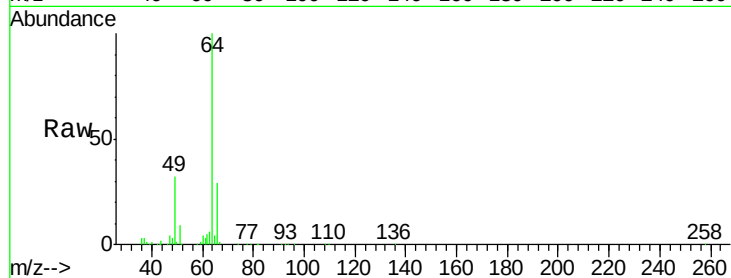
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Manual Integrations

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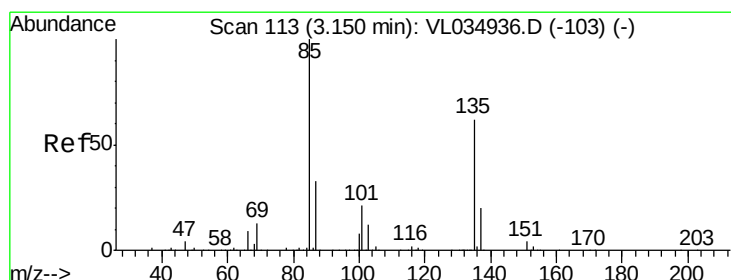
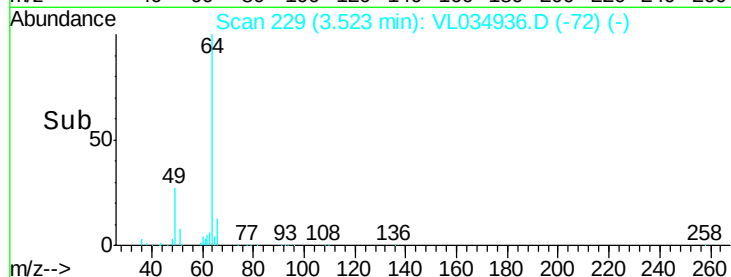
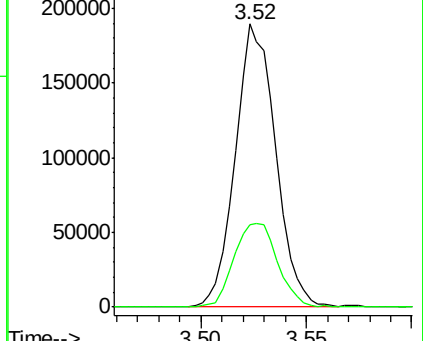
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.774 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL034936.D

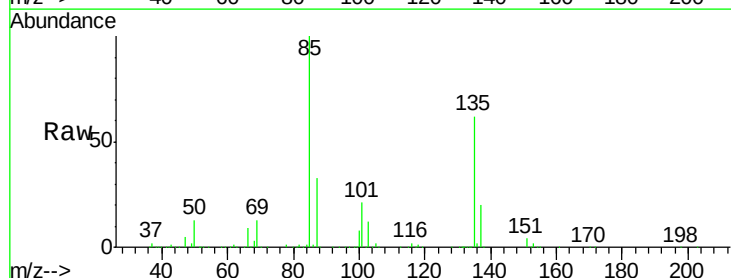
Acq: 6 May 2020 10:07

Tgt Ion: 85 Resp: 1520638

Ion Ratio Lower Upper

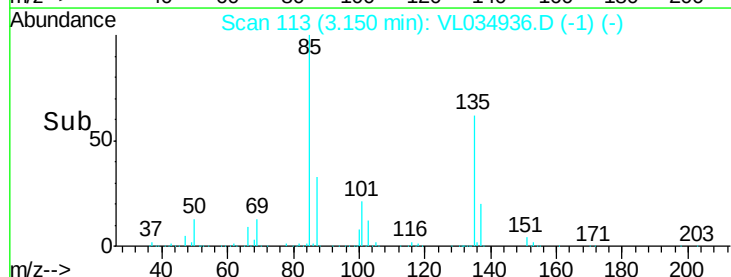
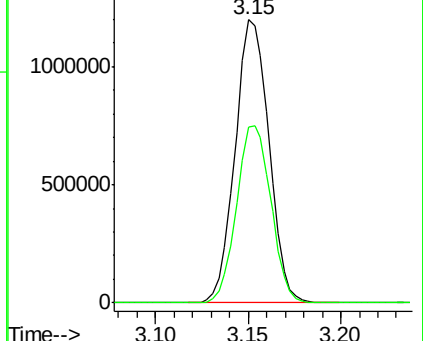
85 100

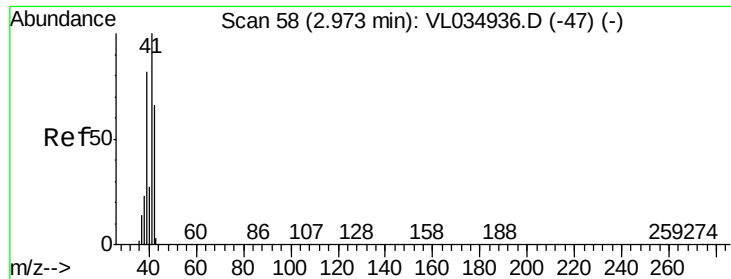
135 63.6 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





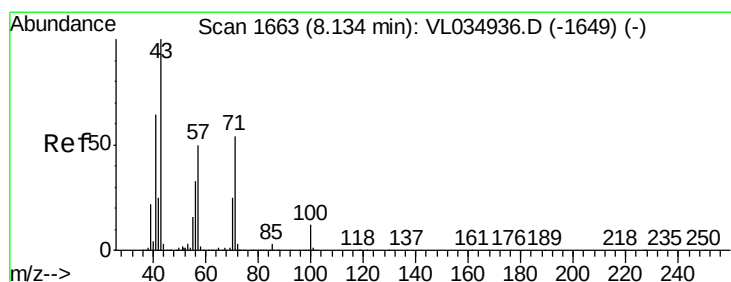
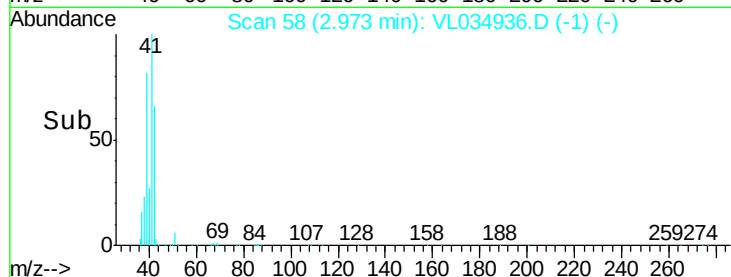
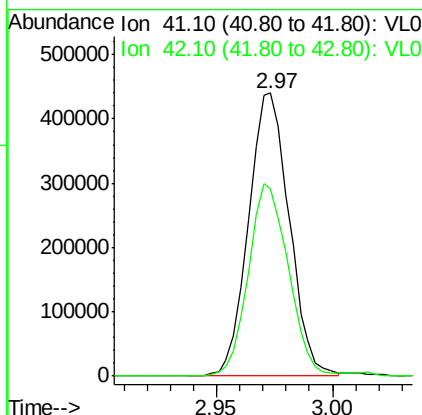
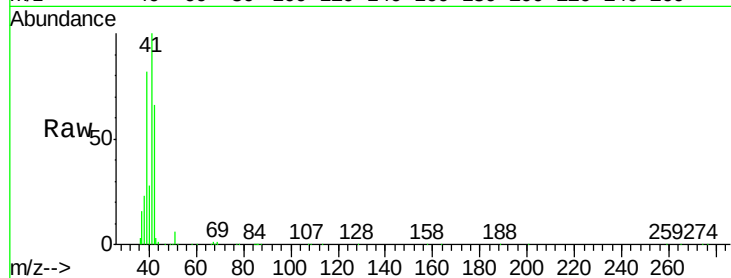
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 Propene
 Concen: 8.272 ppbv
 RT: 2.97 min Scan# 58
 Delta R.T. 0.01 min
 Lab File: VL034936.D
 Acq: 6 May 2020 10:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 41 Resp: 537690
 Ion Ratio Lower Upper
 41 100
 42 68.1 55.2 82.8

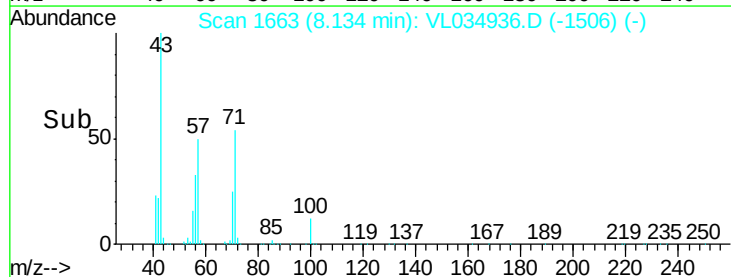
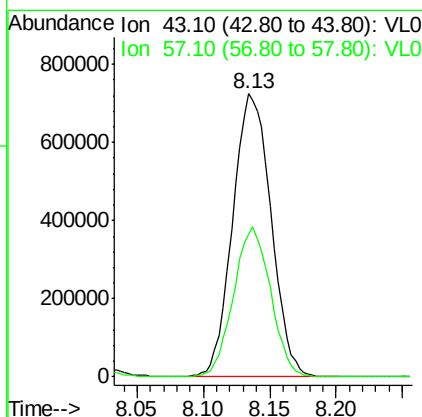
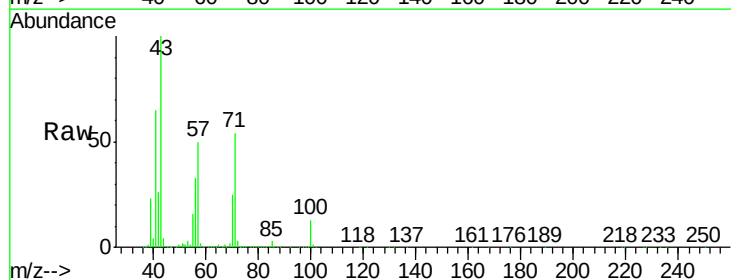
Manual Integrations
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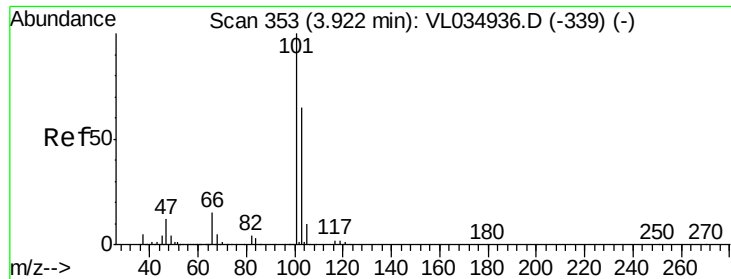
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#10
 Heptane
 Concen: 9.074 ppbv
 RT: 8.13 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VL034936.D
 Acq: 6 May 2020 10:07

Tgt Ion: 43 Resp: 1451587
 Ion Ratio Lower Upper
 43 100
 57 51.4 39.7 59.5





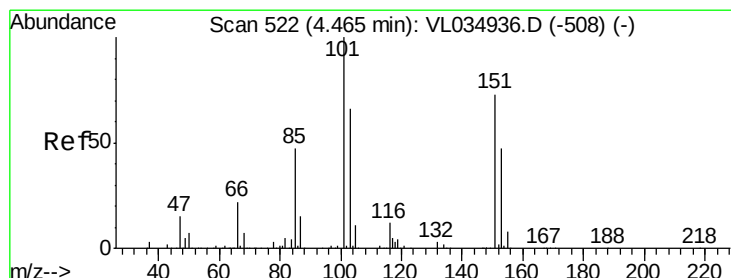
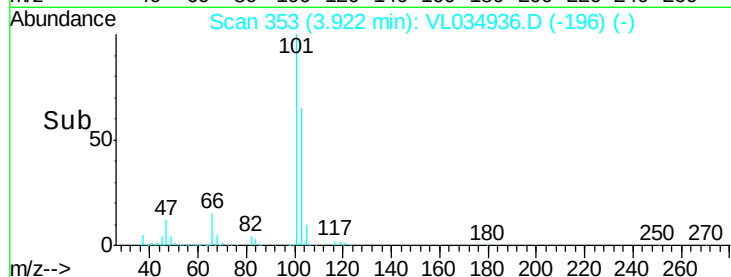
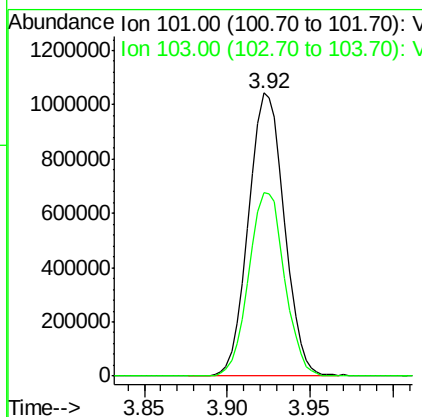
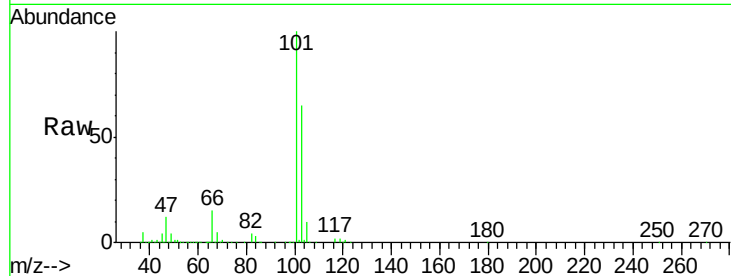
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 Trichlorofluoromethane
 Concen: 8.814 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VL034936.D
 Acq: 6 May 2020 10:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:101 Resp: 1564914
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.8 77.8

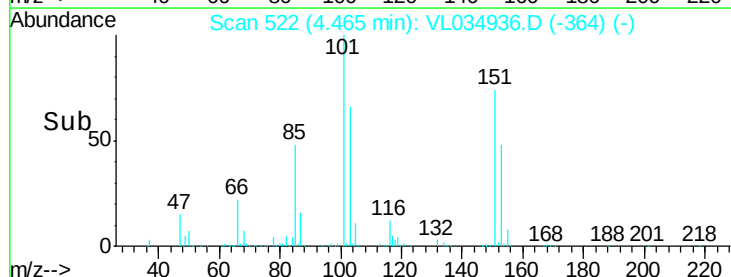
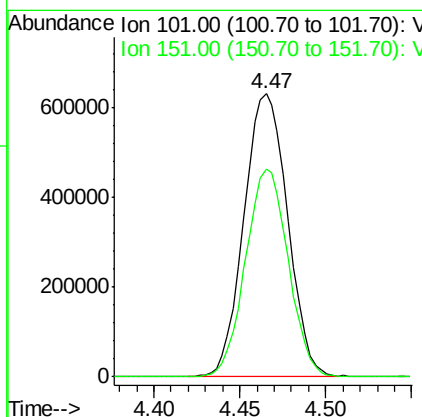
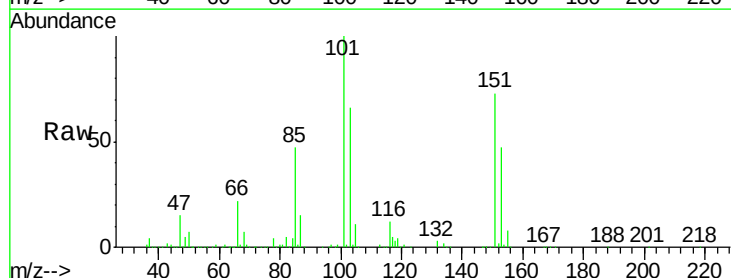
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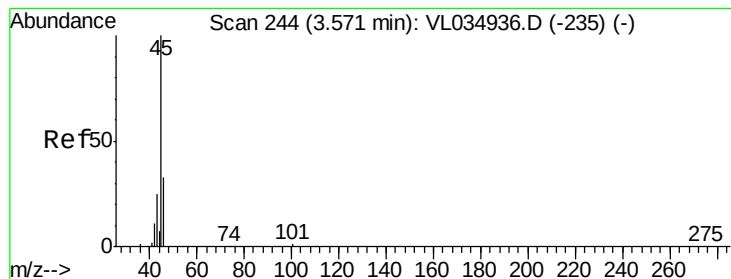
MMDadoda
 5/7/2020 2:29:26 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.936 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. 0.01 min
 Lab File: VL034936.D
 Acq: 6 May 2020 10:07

Tgt Ion:101 Resp: 1110384
 Ion Ratio Lower Upper
 101 100
 151 72.0 60.8 91.2





#13

Ethanol

Concen: 8.239 ppbv

RT: 3.57 min Scan# 244

Delta R.T. 0.00 min

Lab File: VL034936.D

Acq: 6 May 2020 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 45 Resp: 162801

Ion Ratio Lower Upper

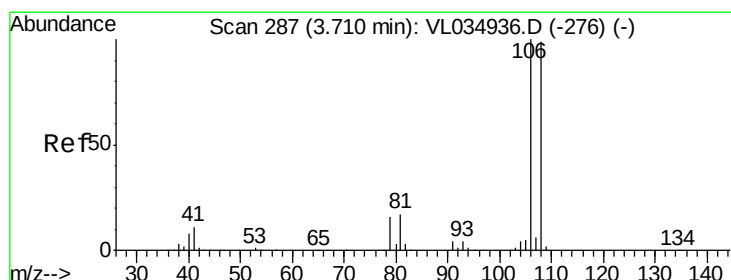
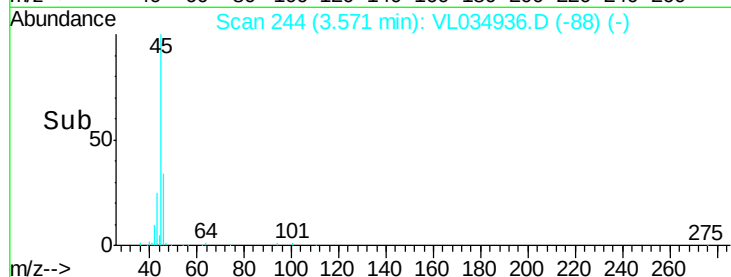
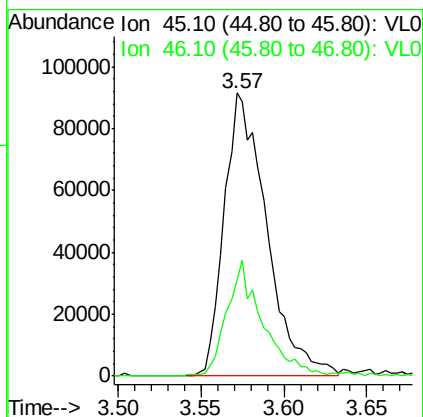
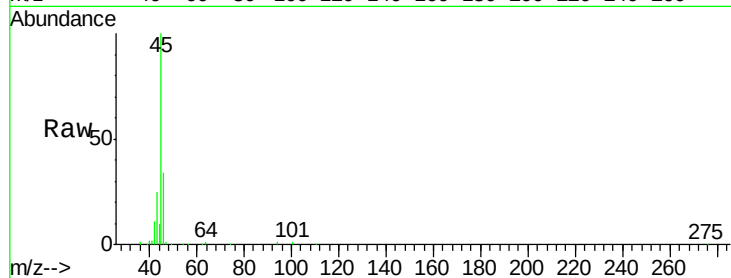
45 100

46 35.8 16.0 64.0

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#14

Bromoethene

Concen: 9.219 ppbv

RT: 3.71 min Scan# 287

Delta R.T. 0.01 min

Lab File: VL034936.D

Acq: 6 May 2020 10:07

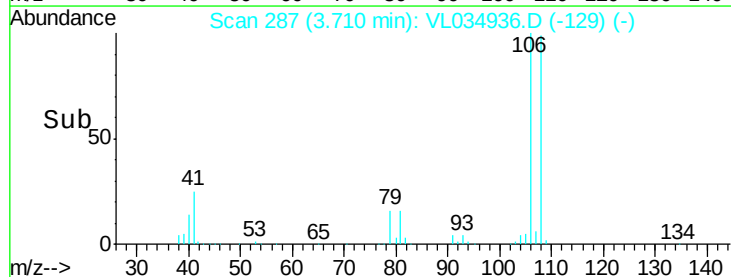
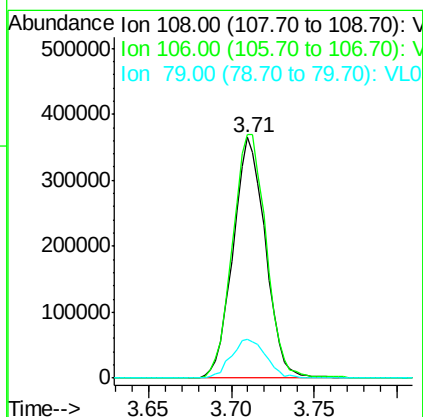
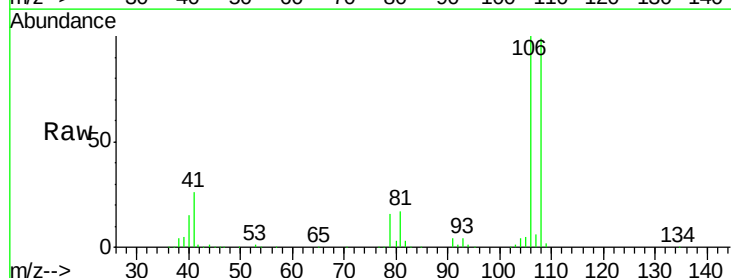
Tgt Ion: 108 Resp: 494769

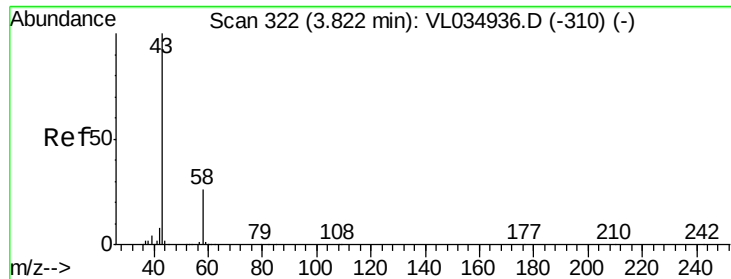
Ion Ratio Lower Upper

108 100

106 106.1 85.1 127.7

79 17.6 14.7 22.1





#15

Acetone

Concen: 7.733 ppbv

RT: 3.82 min Scan# 322

Delta R.T. 0.00 min

Lab File: VL034936.D

Acq: 6 May 2020 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 1221391

Ion Ratio Lower Upper

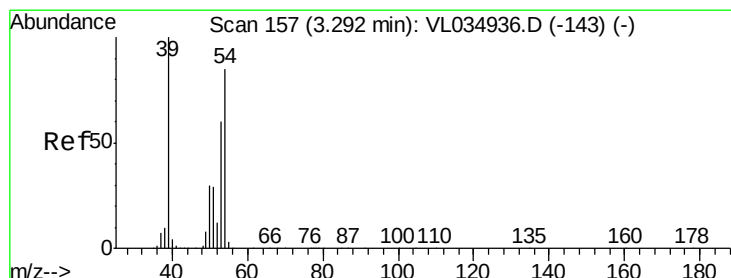
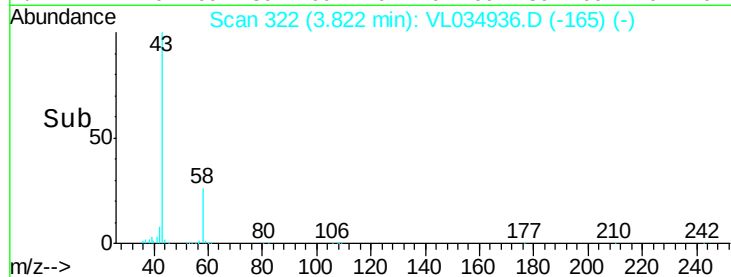
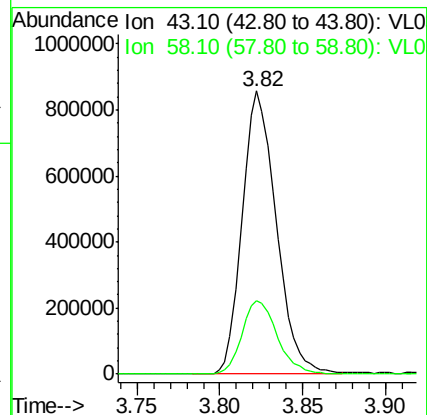
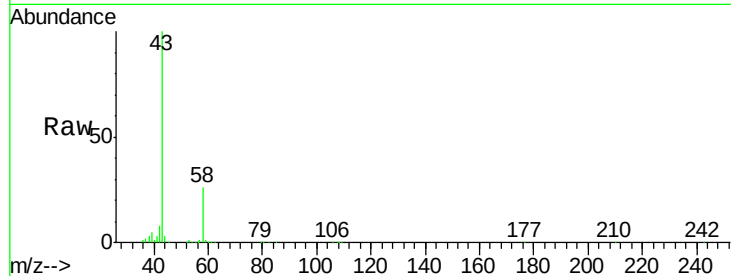
43 100

58 27.1 21.0 31.6

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#16

1,3-Butadiene

Concen: 8.665 ppbv

RT: 3.29 min Scan# 157

Delta R.T. 0.00 min

Lab File: VL034936.D

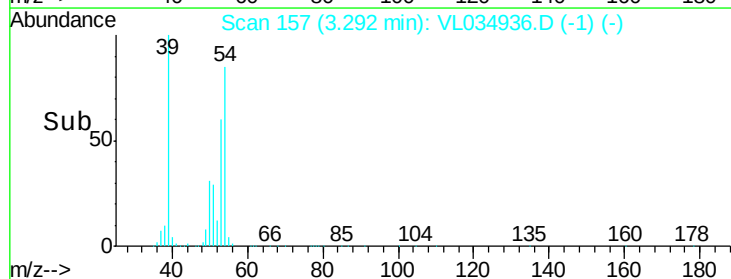
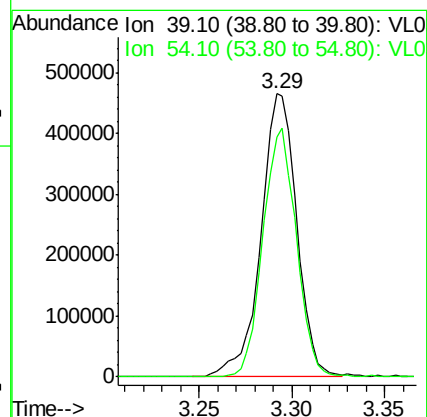
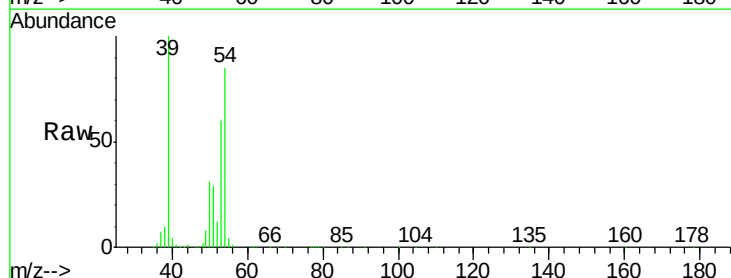
Acq: 6 May 2020 10:07

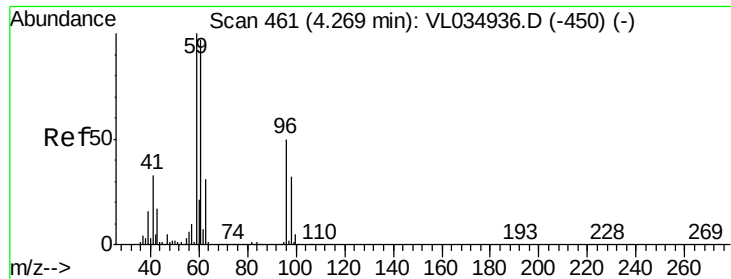
Tgt Ion: 39 Resp: 618960

Ion Ratio Lower Upper

39 100

54 83.3 65.0 97.6





#17

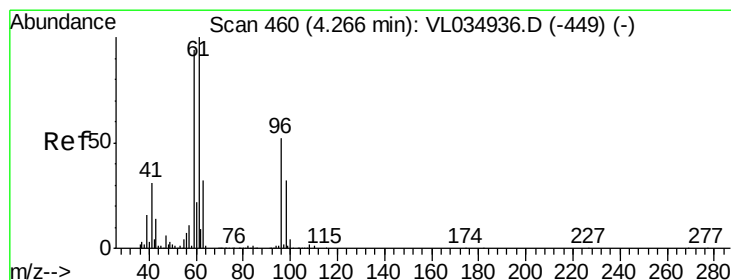
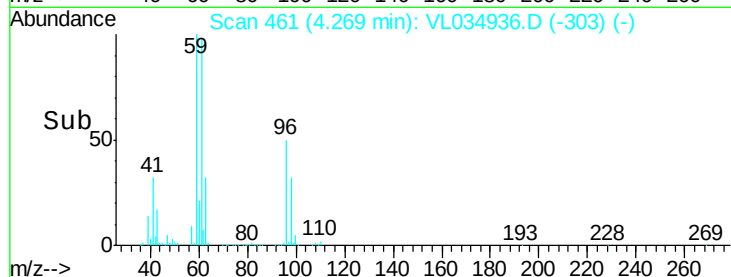
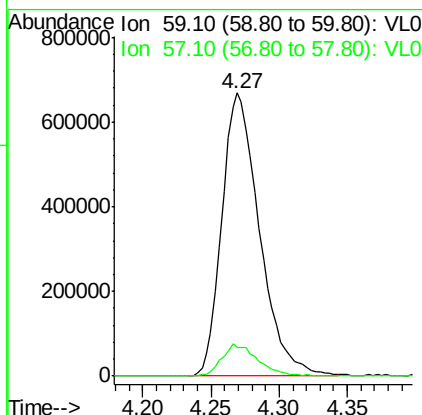
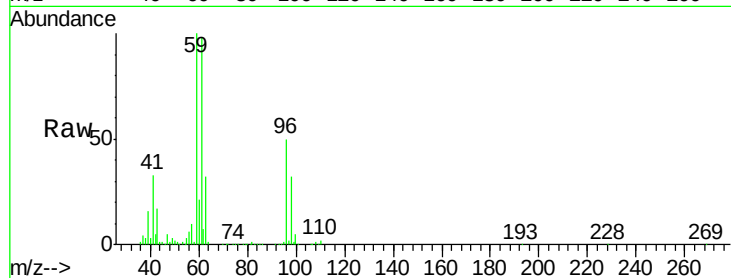
tert-Butyl alcohol
Concen: 8.426 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.01 min
Lab File: VL034936.D
Acq: 6 May 2020 10:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 59 Resp: 1282209
Ion Ratio Lower Upper
59 100
57 10.9 8.3 12.5

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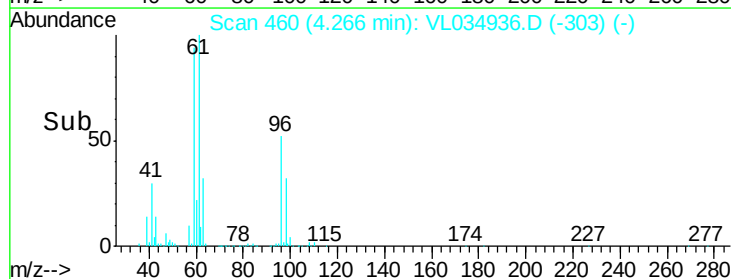
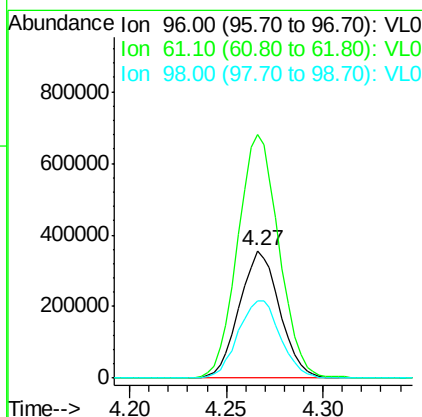
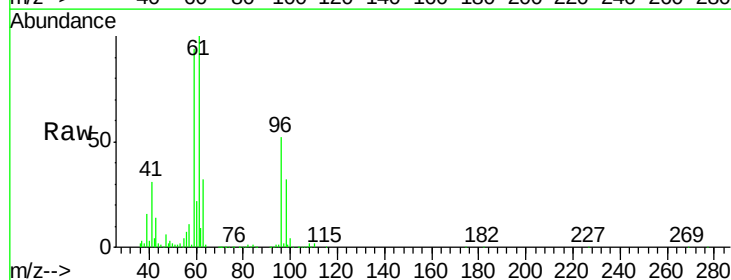
MMDadoda
5/7/2020 2:29:26 PM

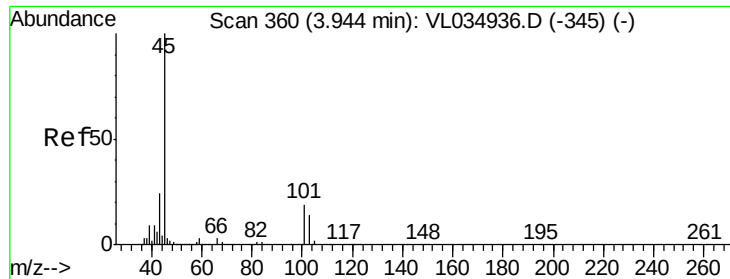


#18

1,1-Dichloroethene
Concen: 9.402 ppbv
RT: 4.27 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL034936.D
Acq: 6 May 2020 10:07

Tgt Ion: 96 Resp: 517363
Ion Ratio Lower Upper
96 100
61 190.5 157.3 235.9
98 61.0 50.2 75.4





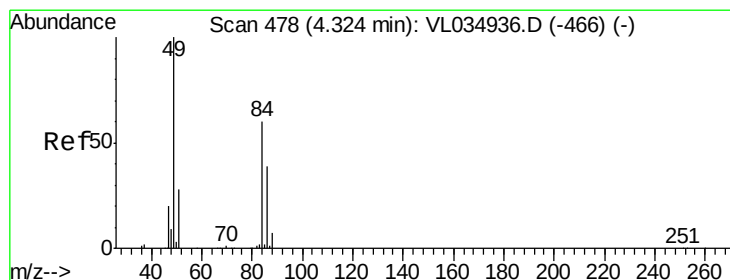
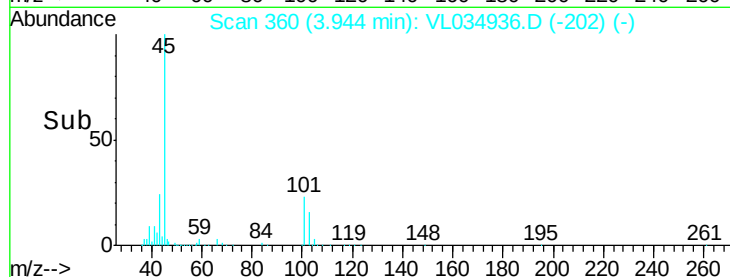
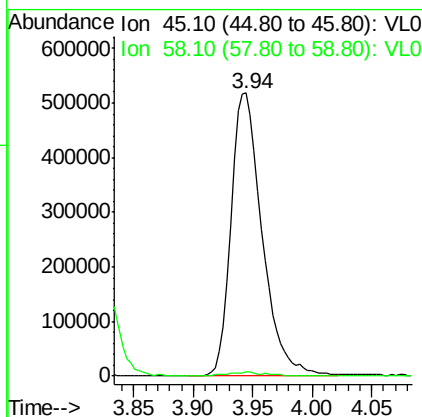
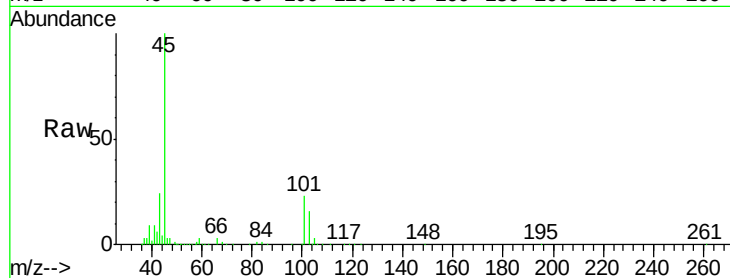
#19
Isopropyl Alcohol
Concen: 9.430 ppbv
RT: 3.94 min Scan# 360
Delta R.T. 0.01 min
Lab File: VL034936.D
Acq: 6 May 2020 10:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 45 Resp: 940674
Ion Ratio Lower Upper
45 100
58 2.1 30.5 45.7#

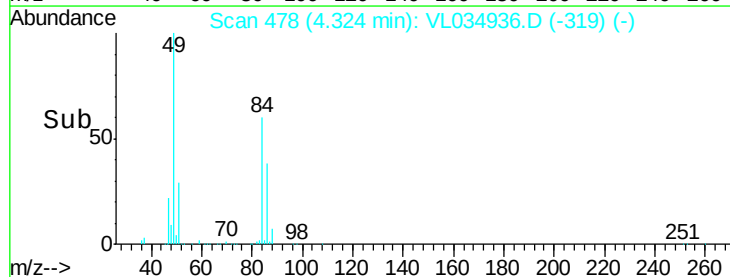
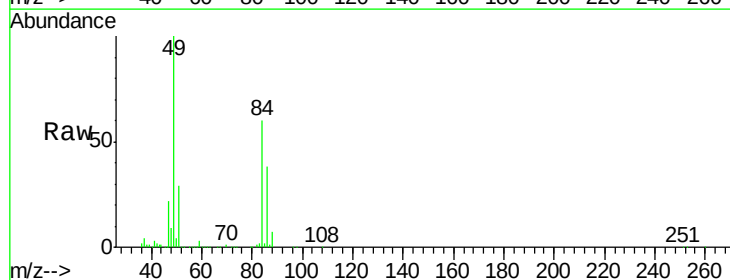
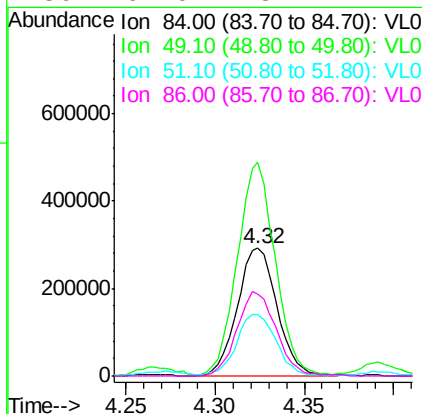
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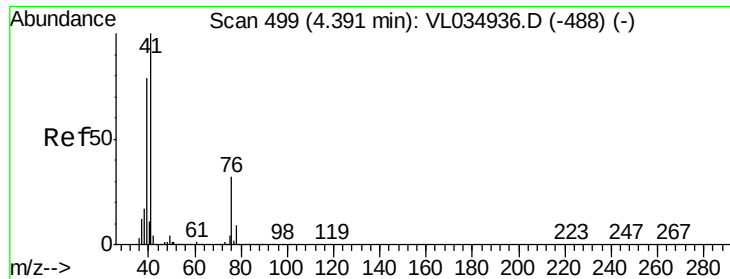
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#20
Methylene Chloride
Concen: 9.078 ppbv
RT: 4.32 min Scan# 478
Delta R.T. 0.01 min
Lab File: VL034936.D
Acq: 6 May 2020 10:07

Tgt Ion: 84 Resp: 453373
Ion Ratio Lower Upper
84 100
49 165.6 121.5 182.3
51 48.0 36.6 55.0
86 64.0 48.2 72.2





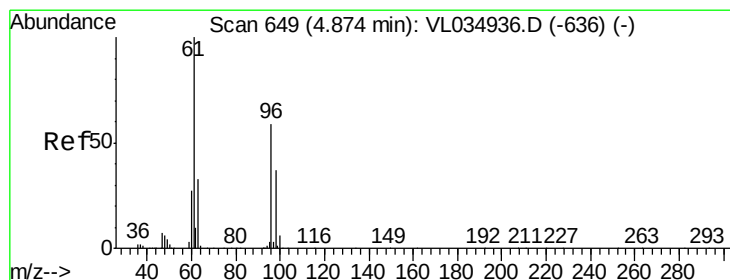
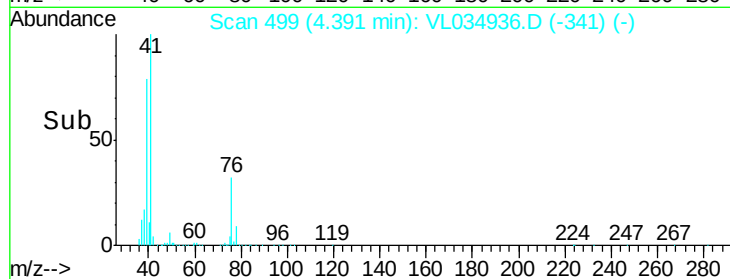
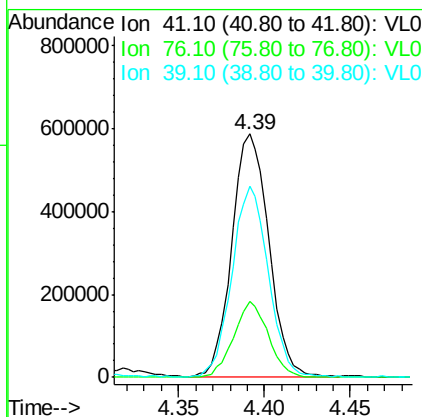
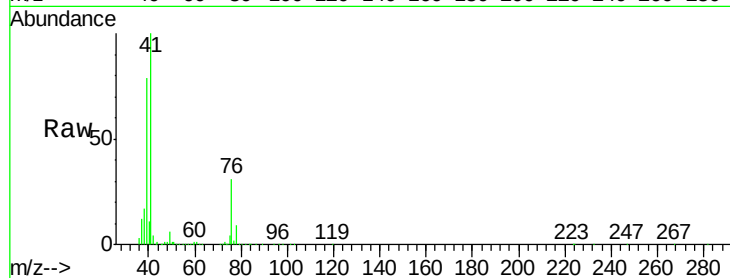
#21
 Allvl Chloride
 Concen: 8.664 ppbv
 RT: 4.39 min Scan# 499
 Delta R.T. 0.01 min
 Lab File: VL034936.D
 Acq: 6 May 2020 10:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Resp	Lower	Upper
41	100	878920		
76	29.5		22.2	33.2
39	77.4		62.6	93.8

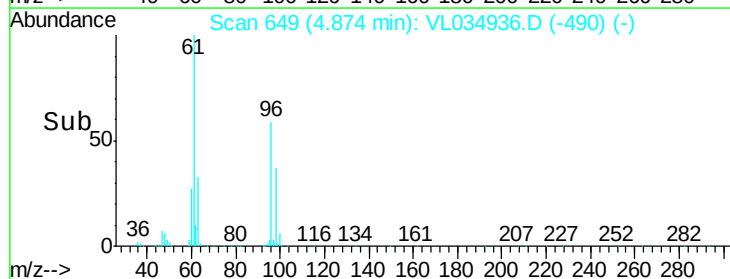
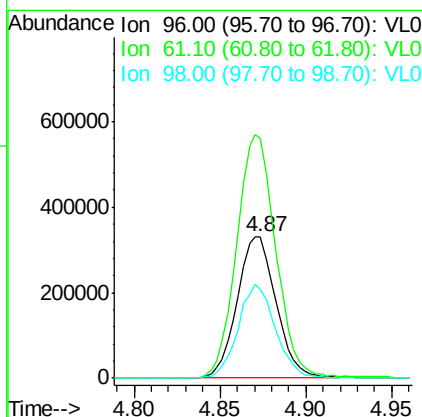
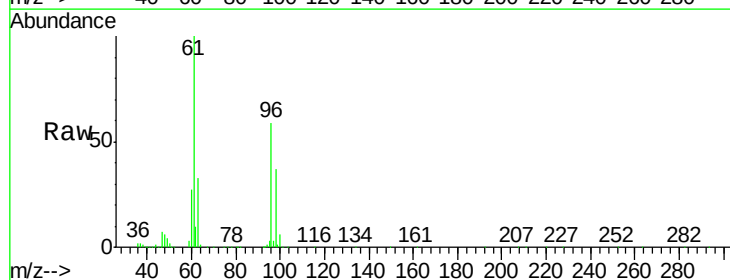
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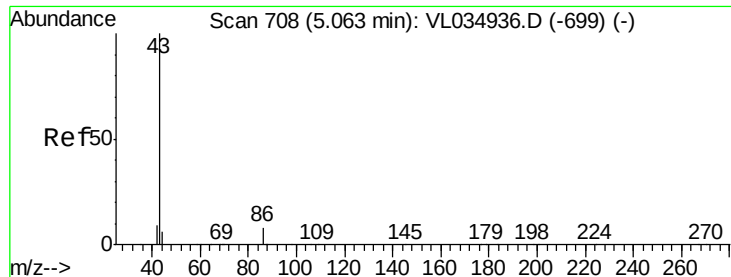
MMDadoda
 5/7/2020 2:29:26 PM



#22
 trans-1,2-Dichloroethene
 Concen: 9.366 ppbv
 RT: 4.87 min Scan# 649
 Delta R.T. 0.01 min
 Lab File: VL034936.D
 Acq: 6 May 2020 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	522870		
61	169.1		139.0	208.6
98	63.0		50.3	75.5





#23

Vinyl Acetate

Concen: 8.181 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.01 min

Lab File: VL034936.D

Acq: 6 May 2020 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 1908748

Ion	Ratio	Lower	Upper
43	100		
86	6.9	6.3	9.5
42	10.0	7.8	11.8
44	5.6	4.0	6.0

43 100

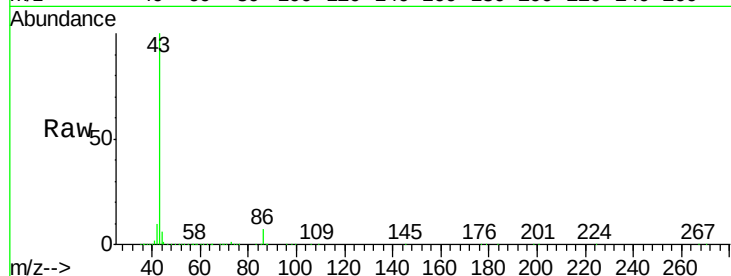
86 6.9 6.3 9.5

42 10.0 7.8 11.8

44 5.6 4.0 6.0

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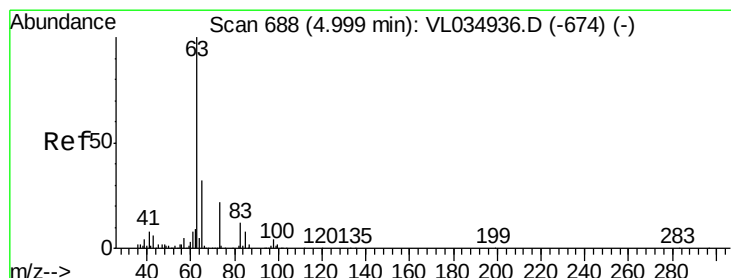
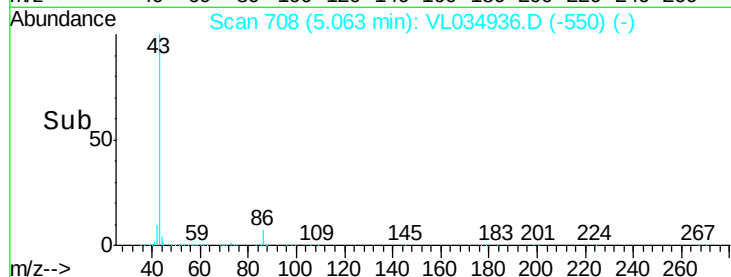
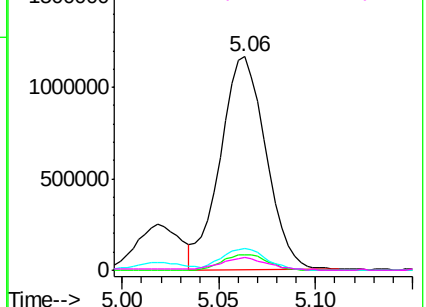


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.851 ppbv

RT: 5.00 min Scan# 688

Delta R.T. 0.01 min

Lab File: VL034936.D

Acq: 6 May 2020 10:07

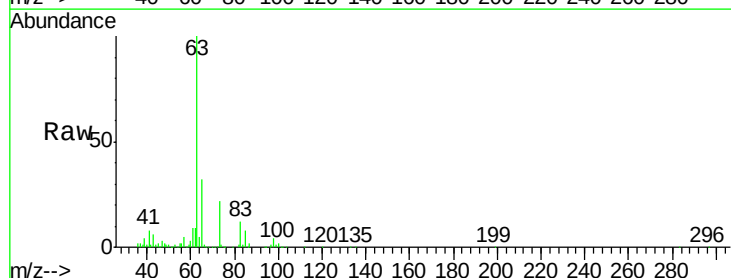
Tgt Ion: 63 Resp: 1384427

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.0	5.8
100	2.3	1.4	4.0

63 100

98 4.0 2.0 5.8

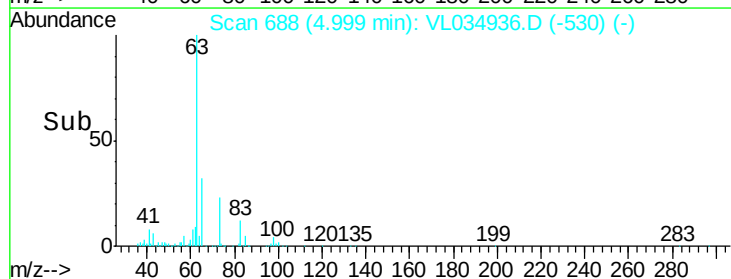
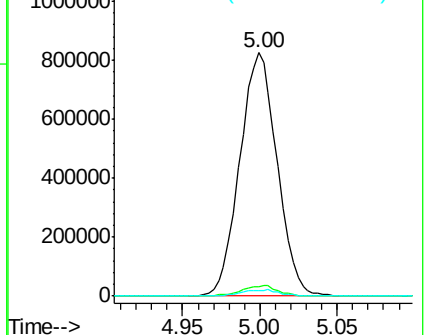
100 2.3 1.4 4.0

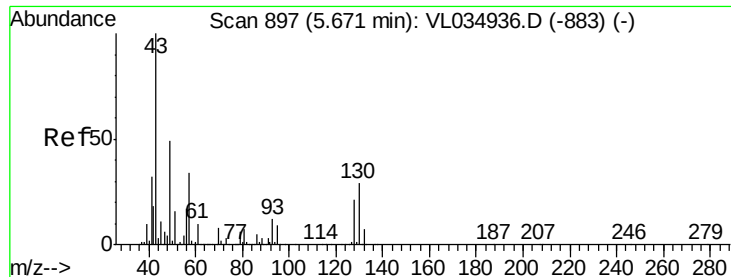


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





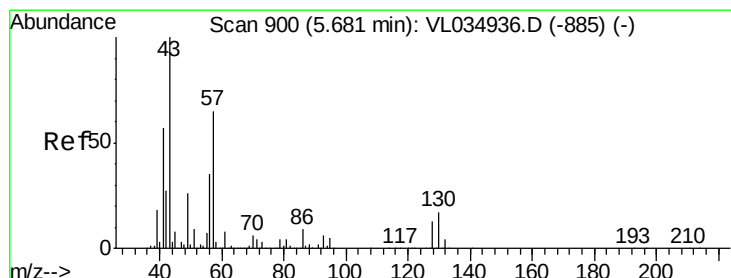
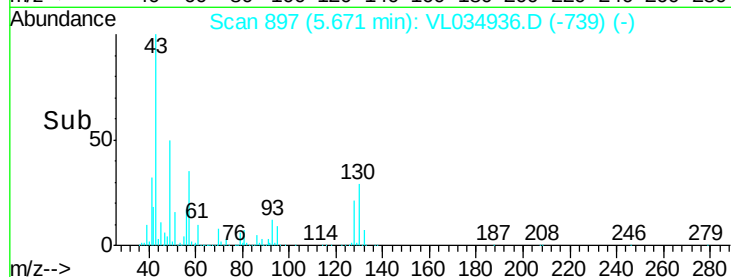
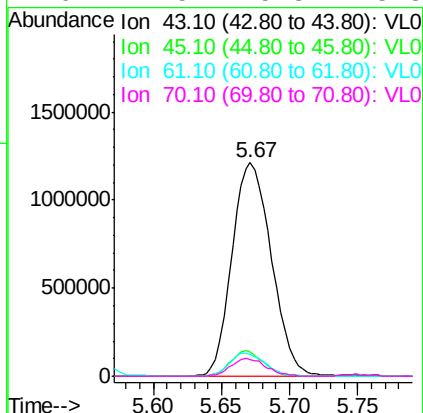
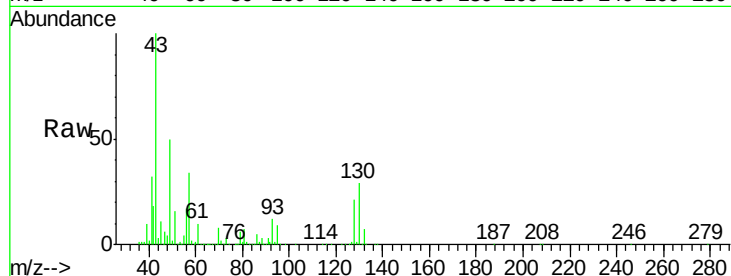
#25
Ethyl Acetate
Concen: 8.639 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL034936.D
Acq: 6 May 2020 10:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	43	Resp	2431213
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.2
61	9.8	7.8	11.6
70	7.5	5.8	8.8

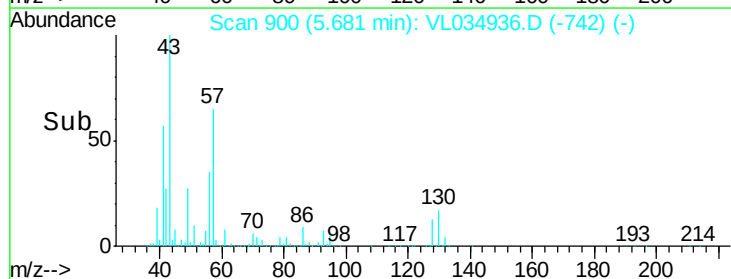
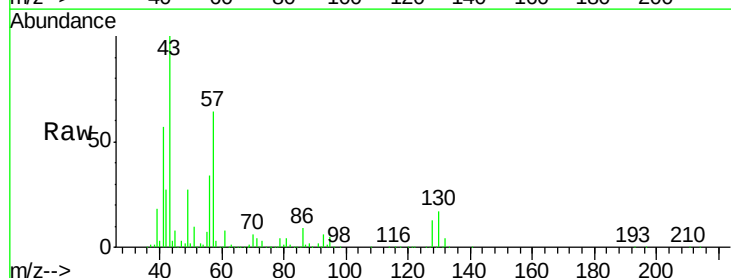
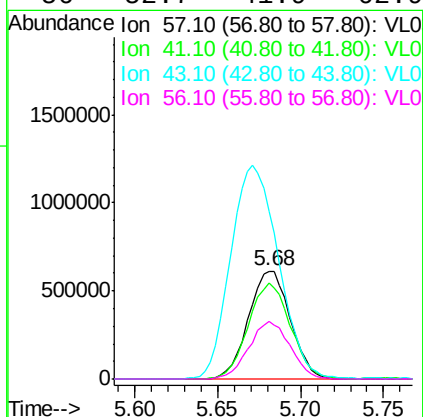
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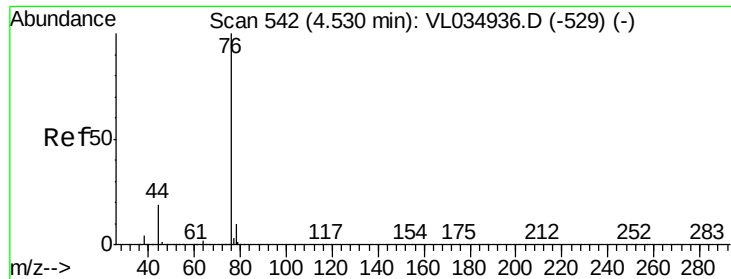
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#26
Hexane
Concen: 8.843 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL034936.D
Acq: 6 May 2020 10:07

Tgt Ion	57	Resp	1071574
Ion	Ratio	Lower	Upper
57	100		
41	90.9	72.6	109.0
43	227.6	183.8	275.6
56	52.7	41.9	62.9





#27

Carbon Disulfide

Concen: 10.042 ppbv

RT: 4.53 min Scan# 542

Delta R.T. 0.00 min

Lab File: VL034936.D

Acq: 6 May 2020 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 76 Resp: 1380790

Ion Ratio Lower Upper

76 100

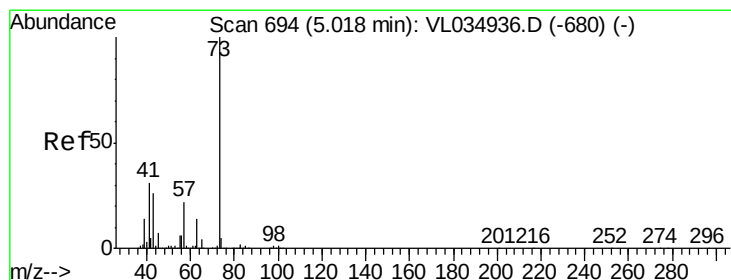
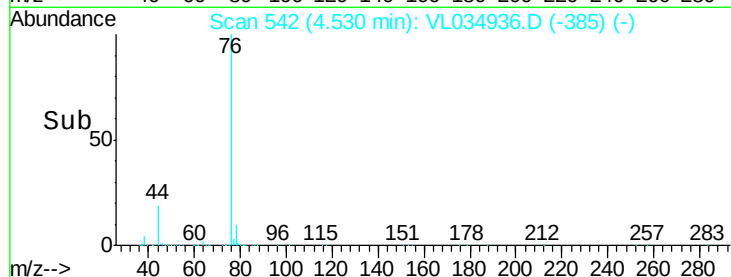
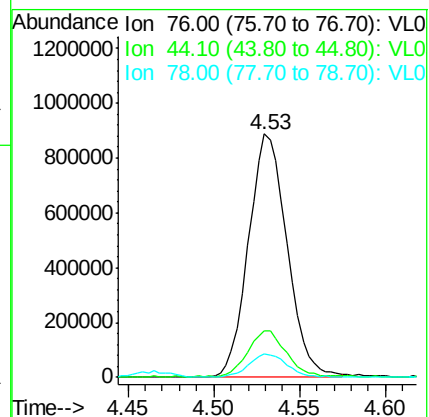
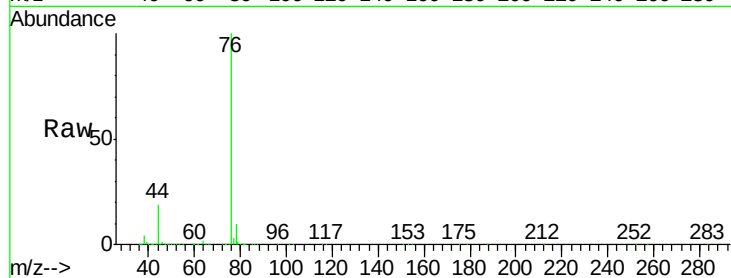
44 19.0 16.2 24.2

78 9.6 7.8 11.6

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#28

Methyl tert-Butyl Ether

Concen: 8.294 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.00 min

Lab File: VL034936.D

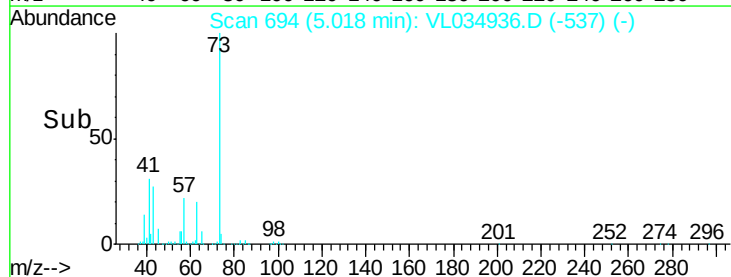
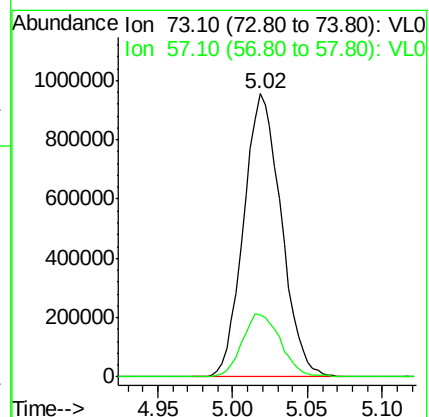
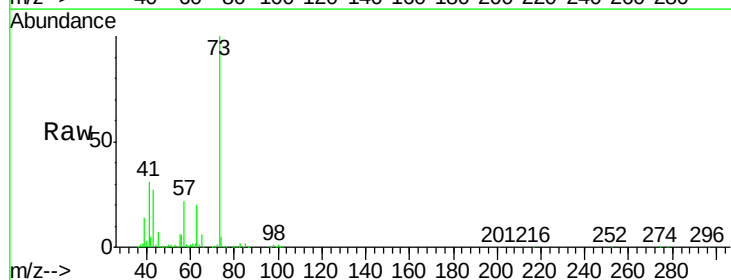
Acq: 6 May 2020 10:07

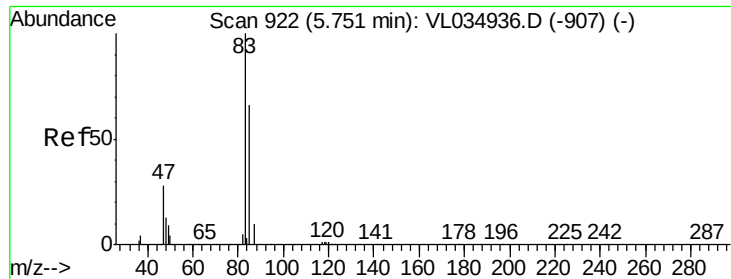
Tgt Ion: 73 Resp: 1672256

Ion Ratio Lower Upper

73 100

57 22.9 18.3 27.5





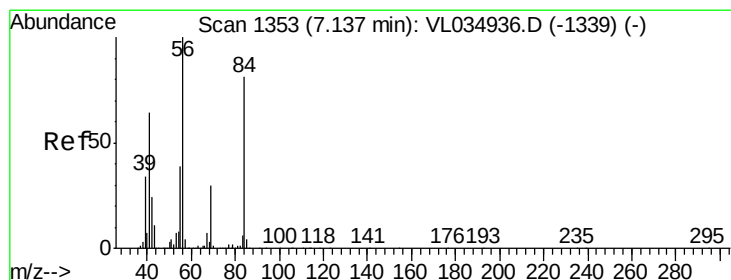
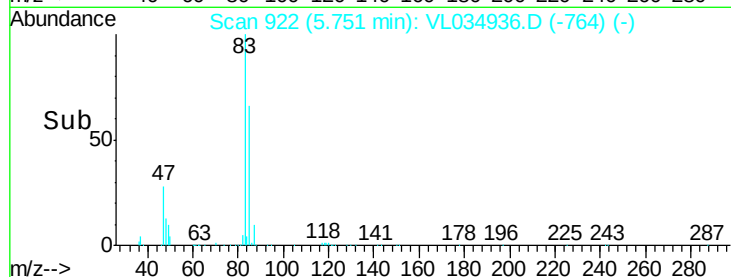
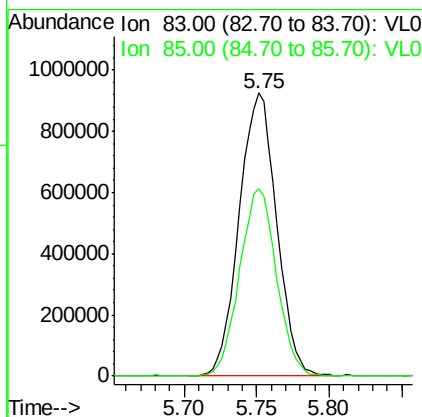
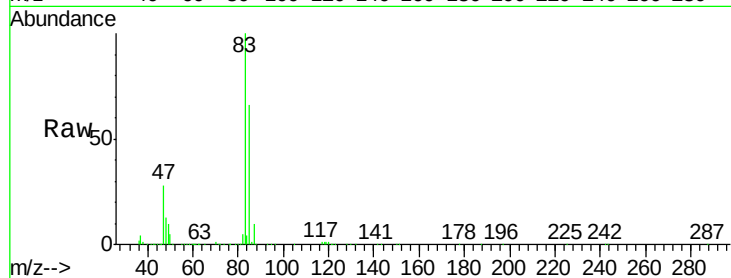
#29
Chloroform
Concen: 8.991 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.01 min
Lab File: VL034936.D
Acq: 6 May 2020 10:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 1662283
Ion Ratio Lower Upper
83 100
85 66.3 53.8 80.6

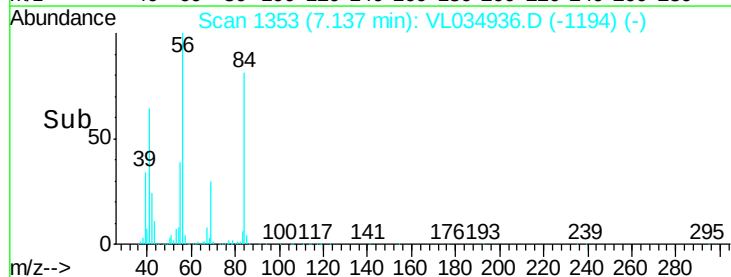
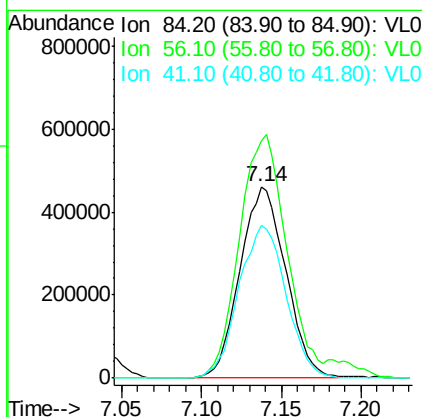
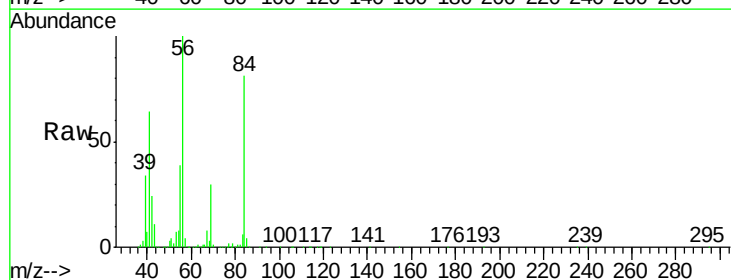
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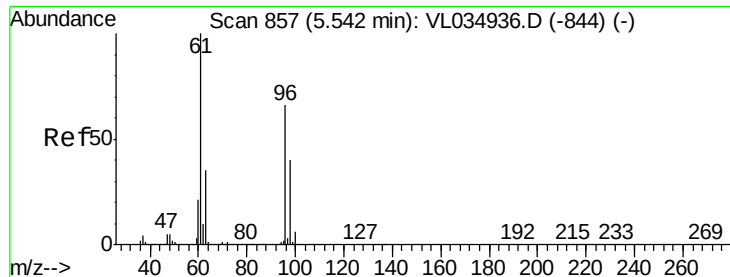
MMDadoda
5/7/2020 2:29:26 PM



#30
Cyclohexane
Concen: 8.854 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.01 min
Lab File: VL034936.D
Acq: 6 May 2020 10:07

Tgt Ion: 84 Resp: 895202
Ion Ratio Lower Upper
84 100
56 139.3 110.5 165.7
41 83.4 68.2 102.4





#31

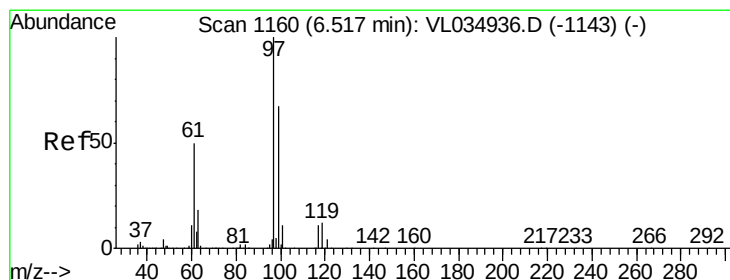
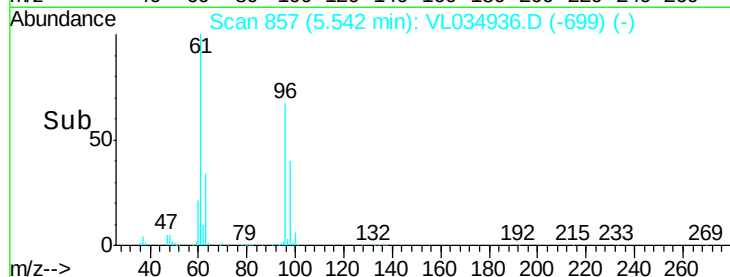
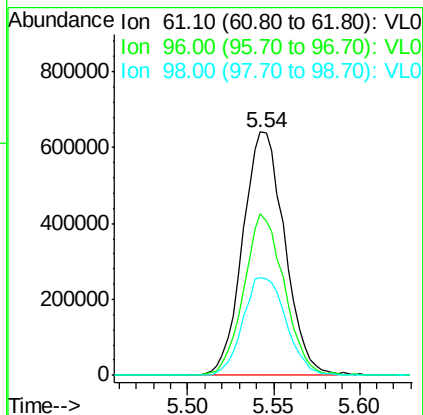
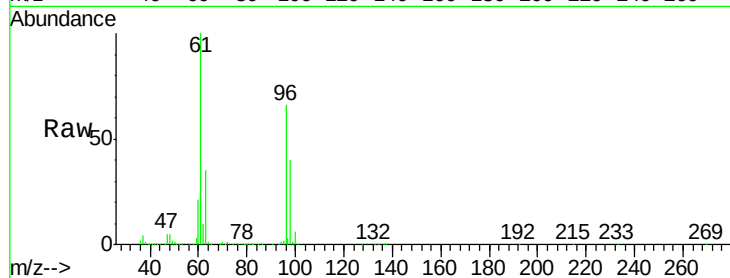
cis-1,2-Dichloroethene
Concen: 8.763 ppbv
RT: 5.54 min Scan# 857
Delta R.T. 0.01 min
Lab File: VL034936.D
Acq: 6 May 2020 10:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	66.3	49.8	74.8
98	40.2	32.2	48.4

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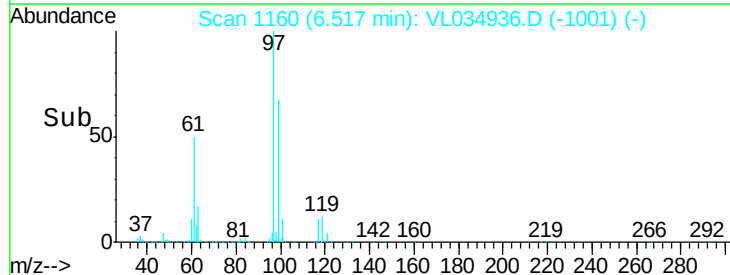
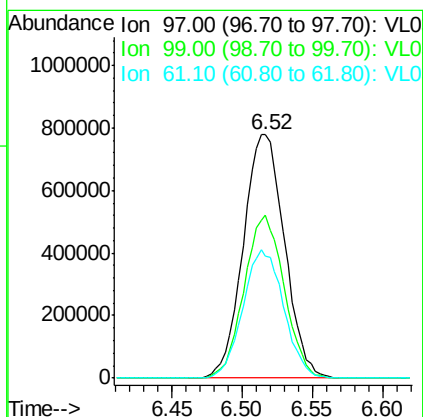
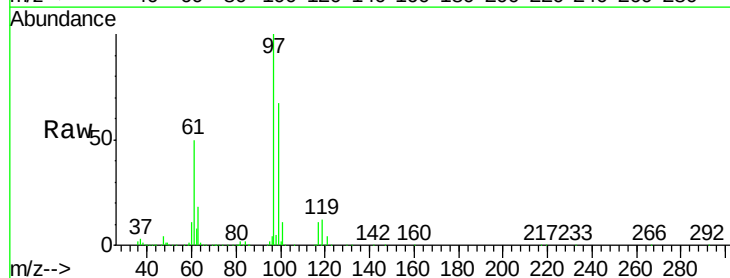
MMDadoda
5/7/2020 2:29:26 PM

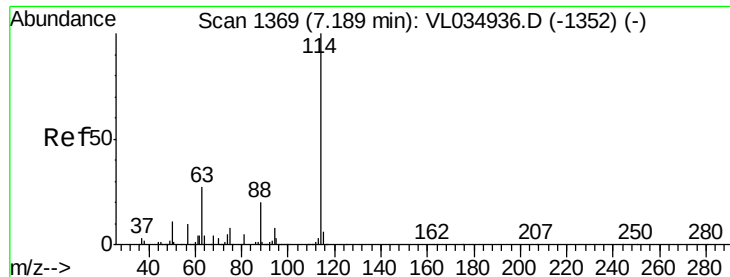


#32

1,1,1-Trichloroethane
Concen: 8.849 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. 0.01 min
Lab File: VL034936.D
Acq: 6 May 2020 10:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.1	76.7
61	52.3	39.7	59.5





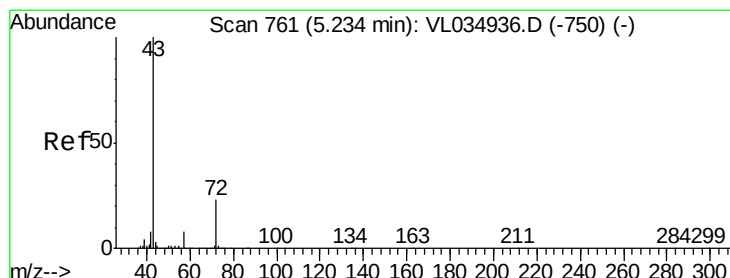
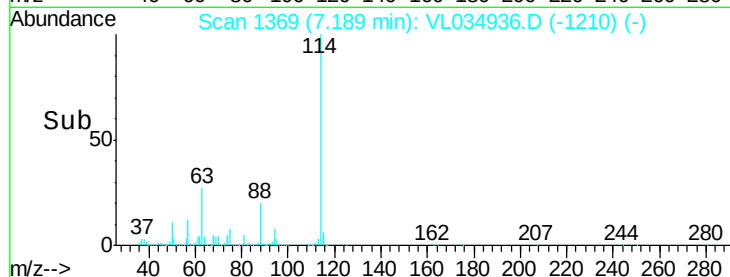
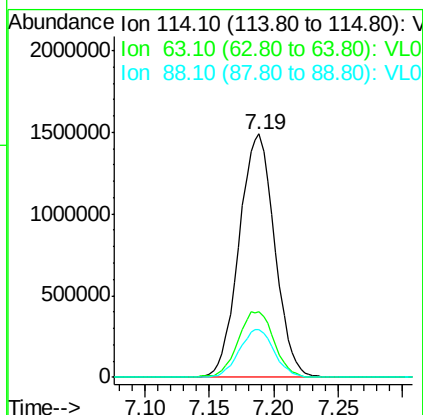
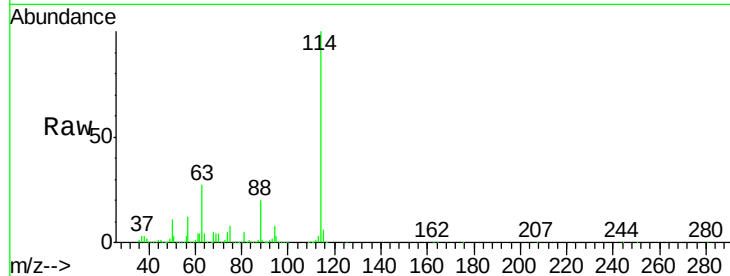
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.01 min
 Lab File: VL034936.D
 Acq: 6 May 2020 10:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.8	20.6	31.0
88	19.4	15.0	22.6

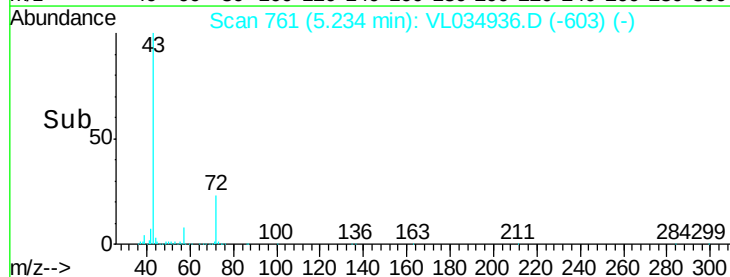
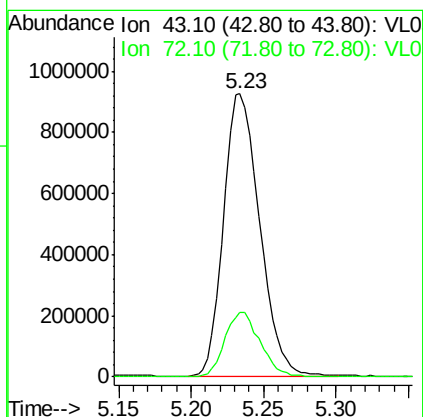
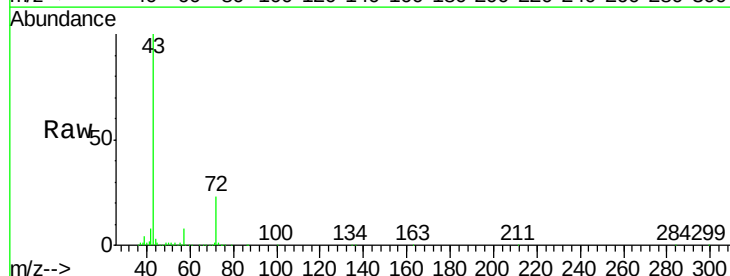
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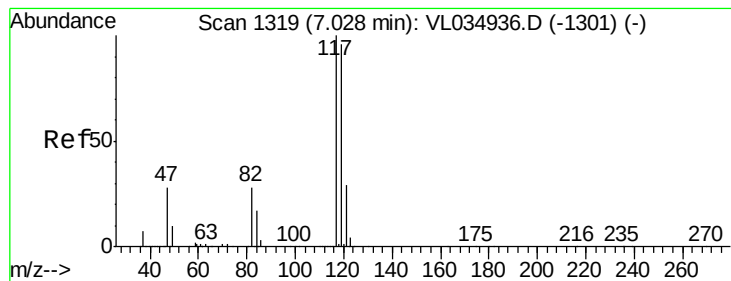
MMDadoda
 5/7/2020 2:29:26 PM



#34
 2-Butanone
 Concen: 8.406 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: VL034936.D
 Acq: 6 May 2020 10:07

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.5	17.6	26.4





#35

Carbon Tetrachloride

Concen: 9.371 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.01 min

Lab File: VL034936.D

Acq: 6 May 2020 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:117 Resp: 1664314

Ion Ratio Lower Upper

117 100

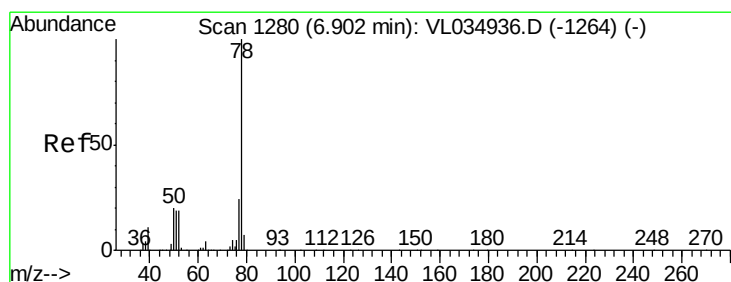
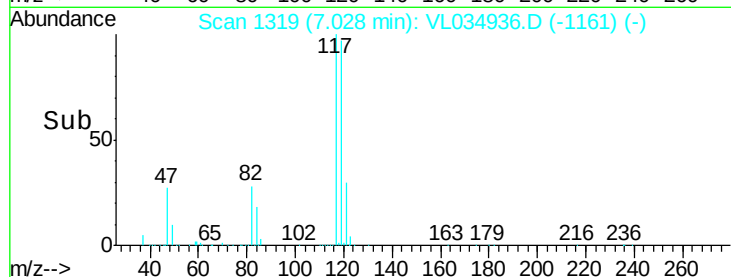
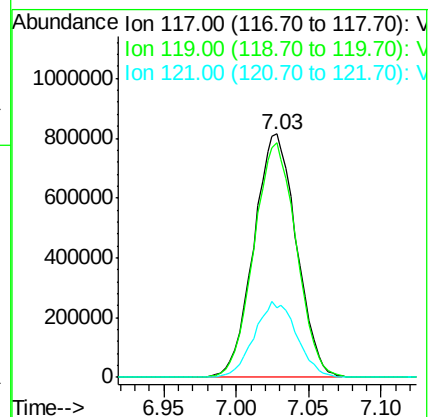
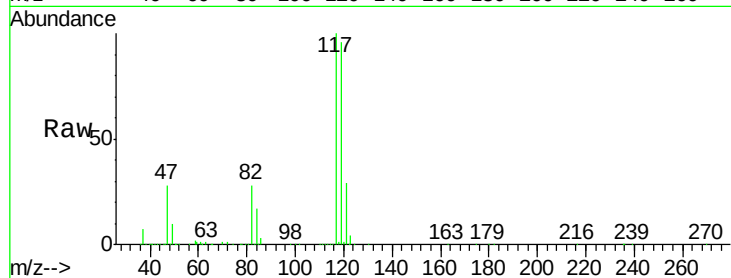
119 96.3 77.0 115.4

121 28.8 24.0 36.0

Manual Integrations
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#36

Benzene

Concen: 8.479 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.01 min

Lab File: VL034936.D

Acq: 6 May 2020 10:07

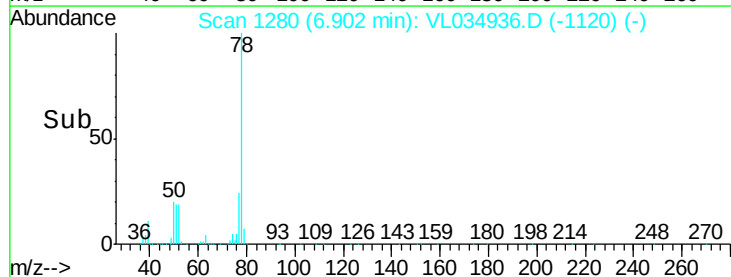
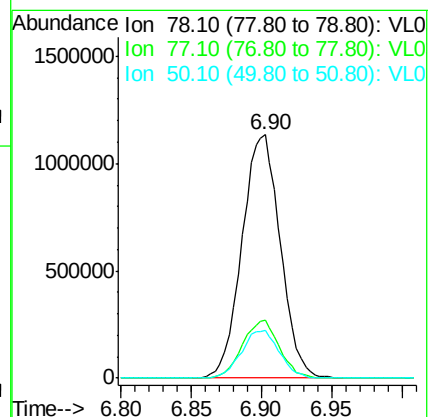
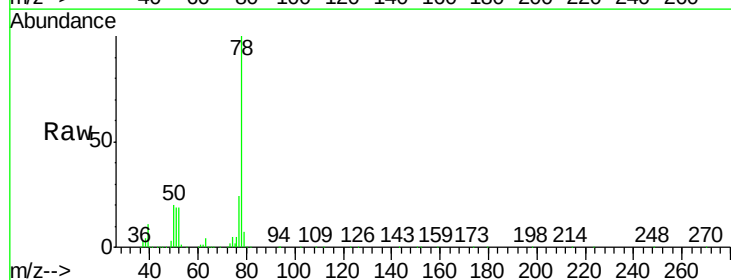
Tgt Ion: 78 Resp: 2158018

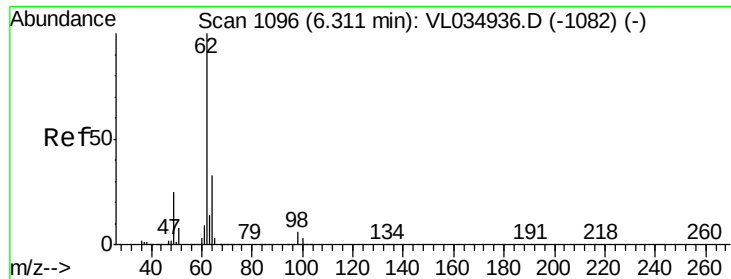
Ion Ratio Lower Upper

78 100

77 23.8 18.2 27.2

50 19.8 15.2 22.8





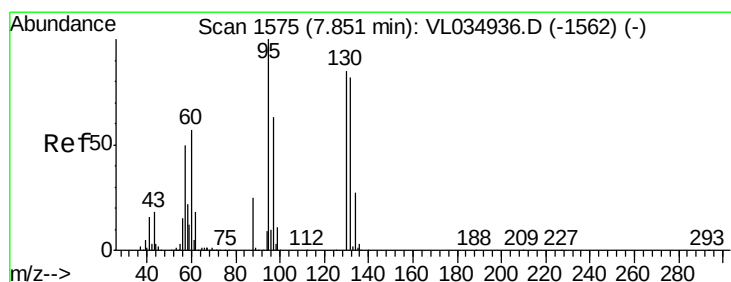
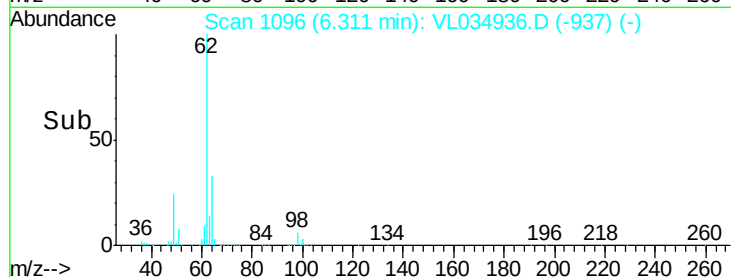
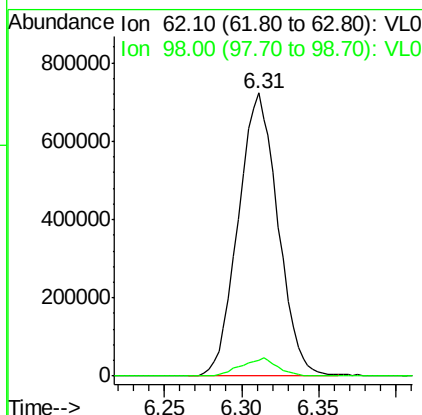
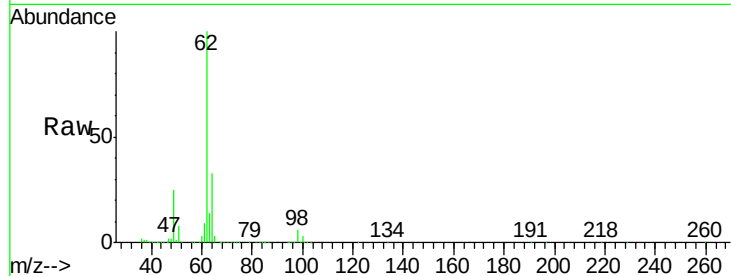
#37
 1,2-Dichloroethane
 Concen: 8.997 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. 0.01 min
 Lab File: VL034936.D
 Acq: 6 May 2020 10:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.0	5.2	7.8

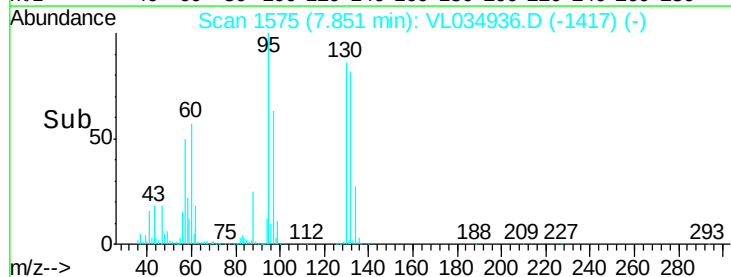
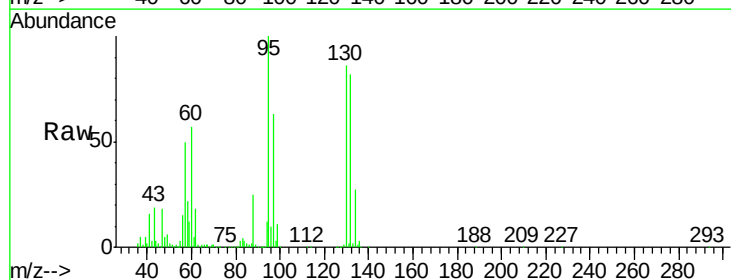
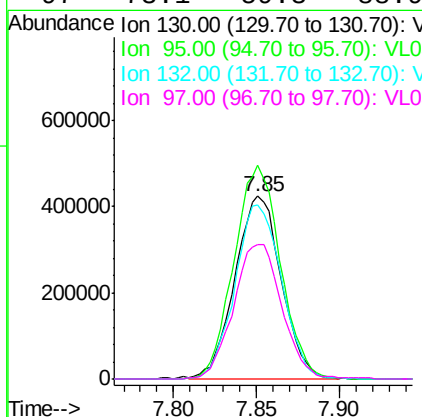
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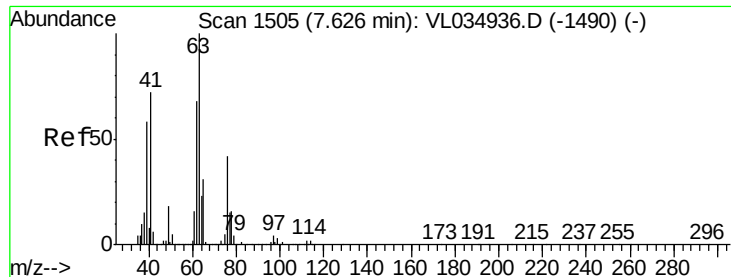
MMDadoda
 5/7/2020 2:29:26 PM



#38
 Trichloroethene
 Concen: 8.445 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.01 min
 Lab File: VL034936.D
 Acq: 6 May 2020 10:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	116.7	88.5	132.7
132	95.5	78.0	117.0
97	73.1	59.3	88.9





#39

1,2-Dichloropropane

Concen: 8.419 ppbv

RT: 7.63 min Scan# 1505

Delta R.T. 0.01 min

Lab File: VL034936.D

Acq: 6 May 2020 10:07

Instrument :

MSVOA_L

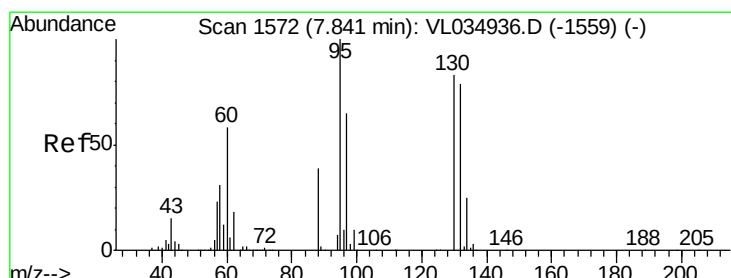
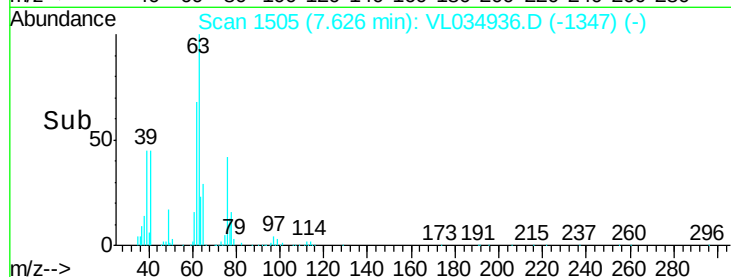
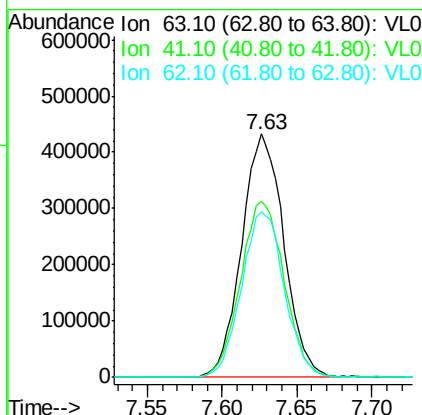
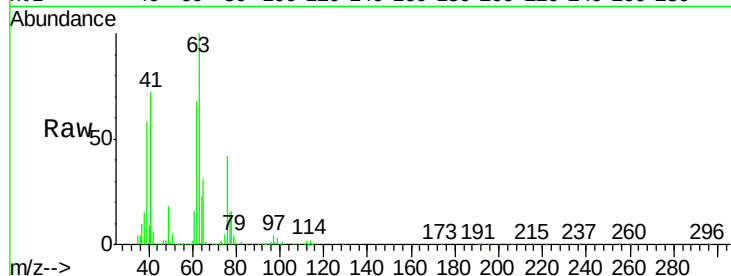
ClientSampleId :

VSTDICCC010

Tot Ion:	63	Resp:	848961
Ion Ratio	Lower	Upper	
63	100		
41	72.3	59.8	89.8
62	67.7	57.6	86.4

Manual Integrations
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#40

1,4-Dioxane

Concen: 9.004 ppbv

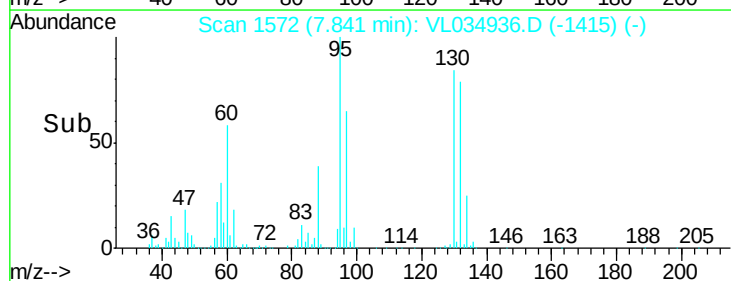
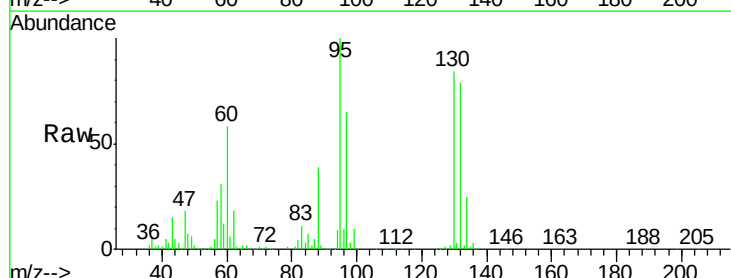
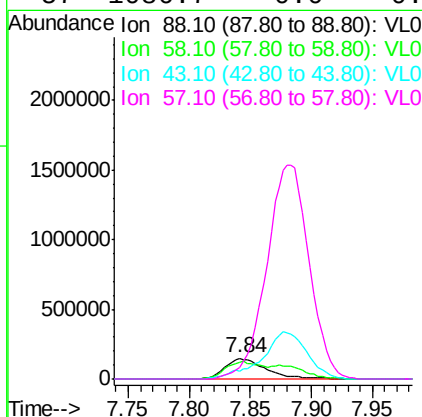
RT: 7.84 min Scan# 1572

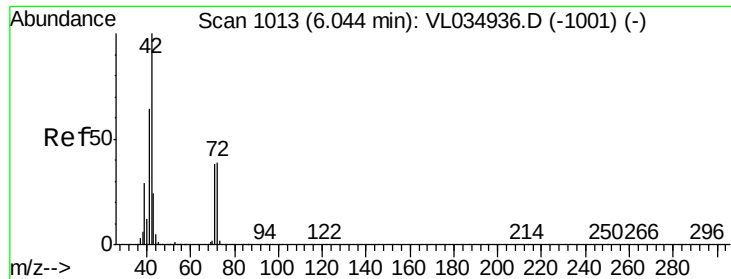
Delta R.T. 0.00 min

Lab File: VL034936.D

Acq: 6 May 2020 10:07

Tgt Ion:	88	Resp:	342883
Ion Ratio	Lower	Upper	
88	100		
58	131.4	103.9	155.9
43	253.2	0.0	0.0#
57	1086.7	0.0	0.0#





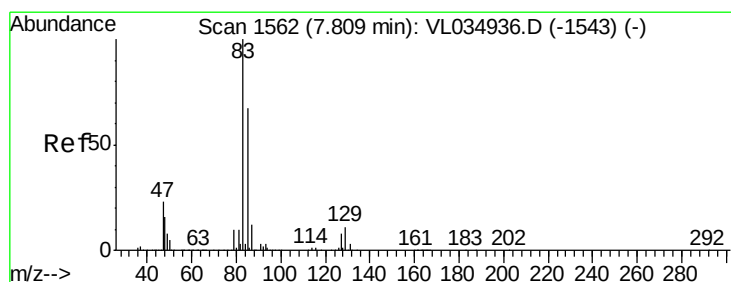
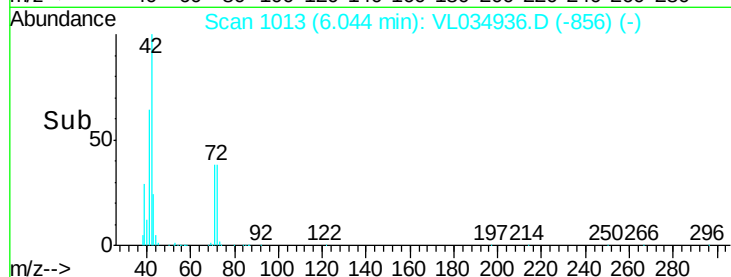
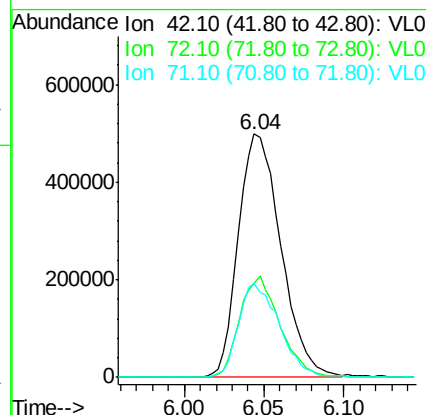
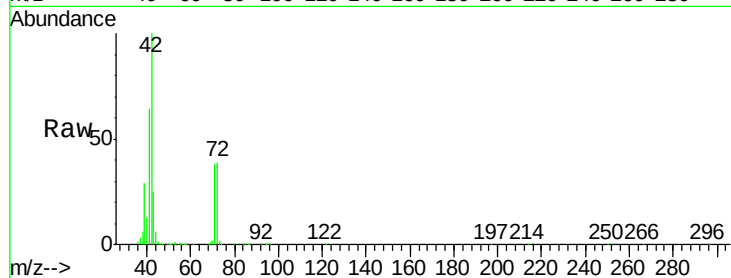
#41
Tetrahydrofuran
Concen: 8.830 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VL034936.D
Acq: 6 May 2020 10:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.2	30.8	46.2
71	37.3	30.1	45.1

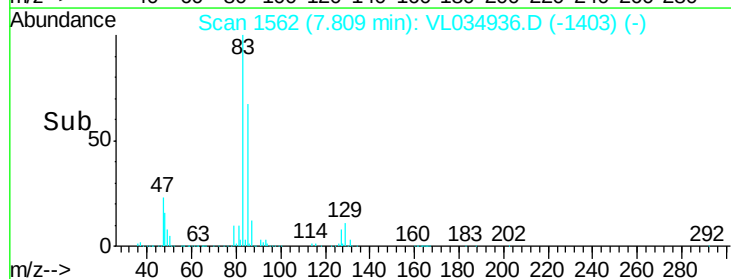
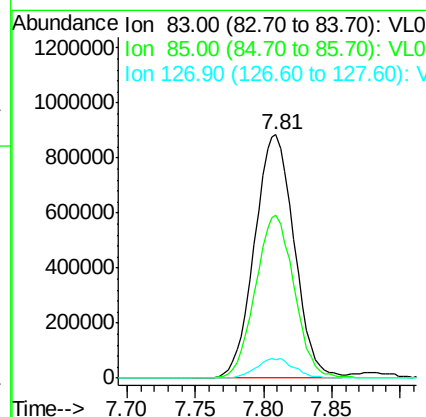
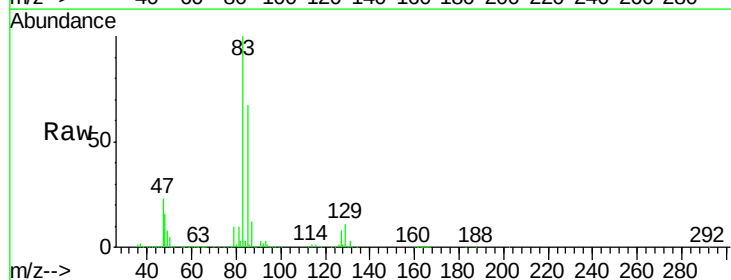
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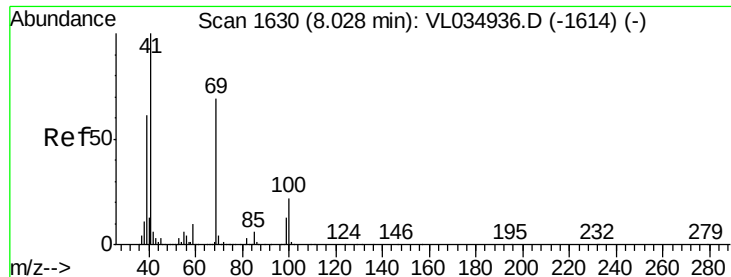
MMDadoda
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#42
Bromodichloromethane
Concen: 9.116 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VL034936.D
Acq: 6 May 2020 10:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	51.4	77.2
127	7.6	6.2	9.4





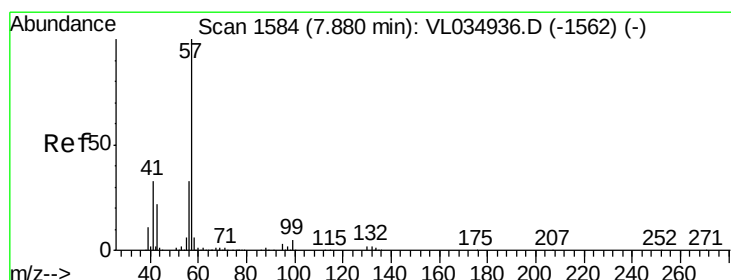
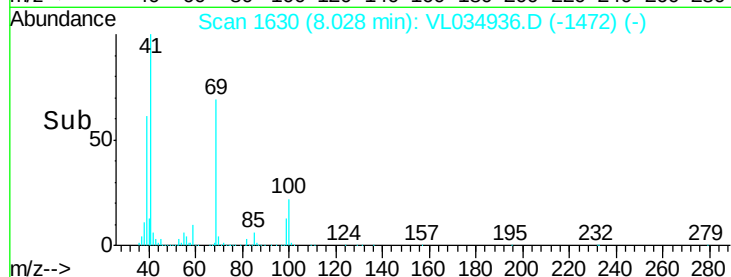
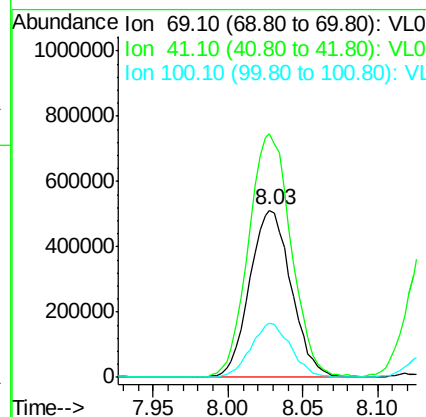
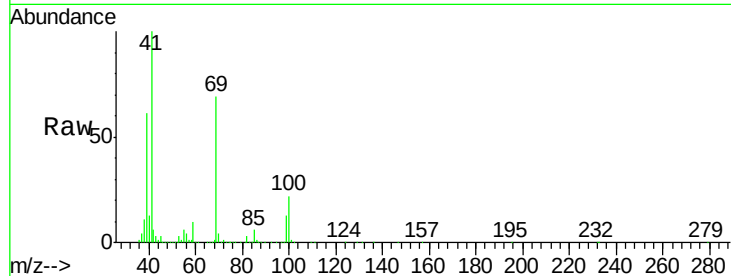
#43
Methvl Methacrylate
Concen: 9.235 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VL034936.D
Acq: 6 May 2020 10:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		990256		
41	149.7	123.2	184.8		
100	31.3	26.9	40.3		

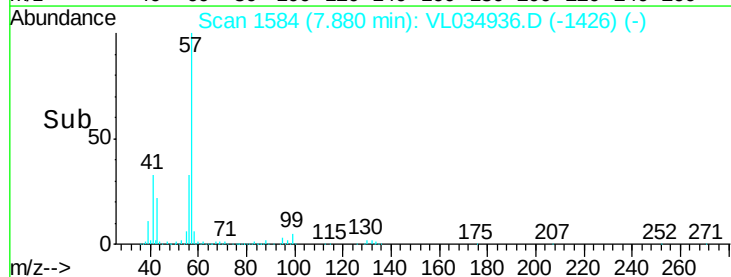
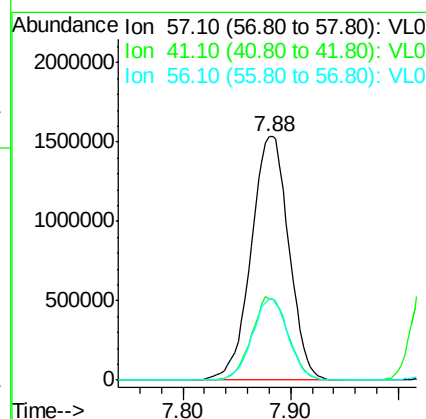
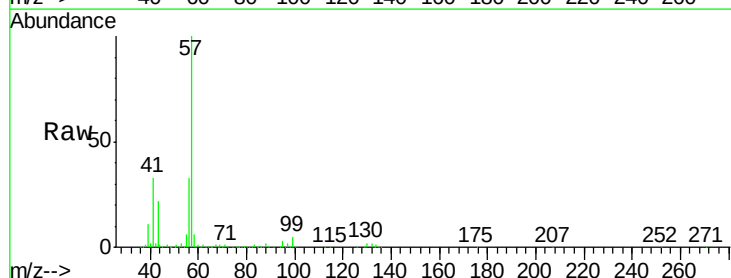
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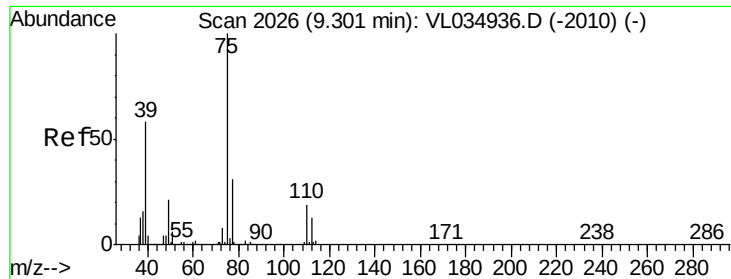
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 8.660 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VL034936.D
Acq: 6 May 2020 10:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100		3724723		
41	33.0	26.2	39.4		
56	31.9	25.0	37.4		





#45

t-1,3-Dichloropropene

Concen: 8.892 ppbv

RT: 9.30 min Scan# 2026

Delta R.T. 0.01 min

Lab File: VL034936.D

Acq: 6 May 2020 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 75 Resp: 1120153

Ion Ratio Lower Upper

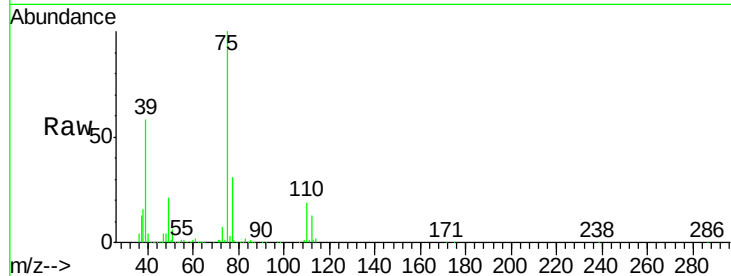
75 100

77 31.1 24.6 37.0

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.30

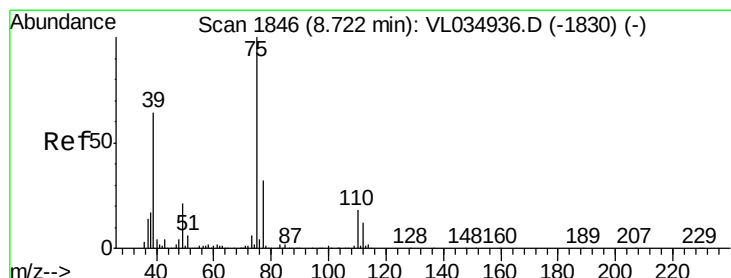
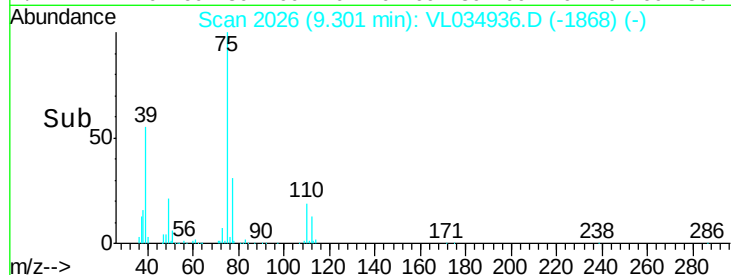
600000

400000

200000

0

Time--> 9.20 9.25 9.30 9.35



#46

cis-1,3-Dichloropropene

Concen: 8.762 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. 0.01 min

Lab File: VL034936.D

Acq: 6 May 2020 10:07

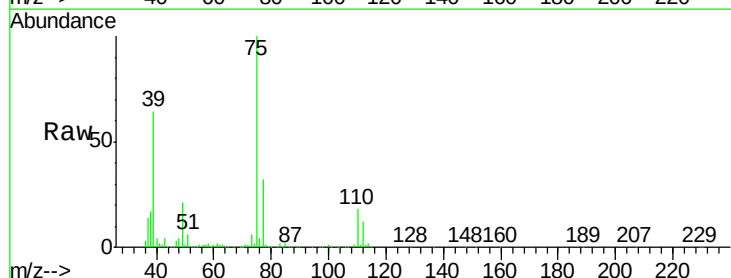
Tgt Ion: 75 Resp: 1311620

Ion Ratio Lower Upper

75 100

39 64.4 55.7 83.5

77 31.9 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.72

800000

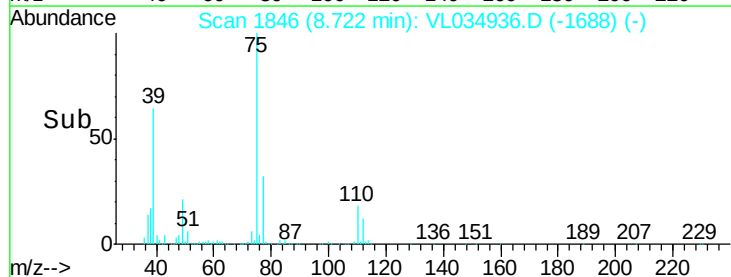
600000

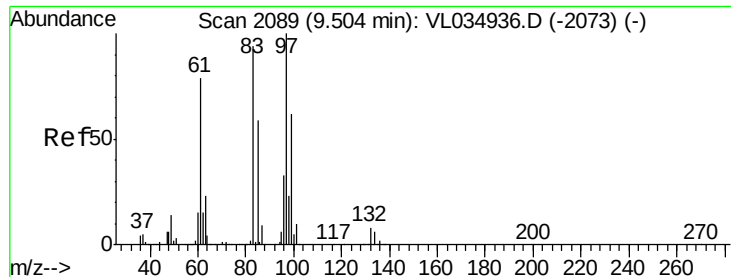
400000

200000

0

Time--> 8.65 8.70 8.75 8.80





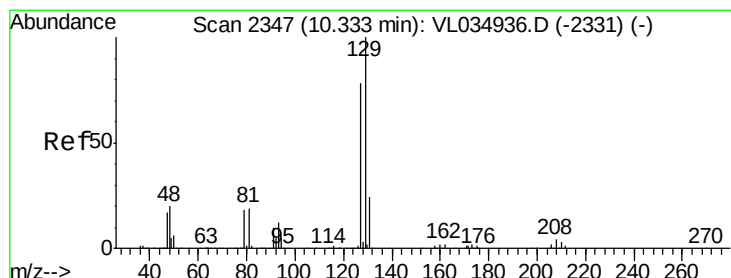
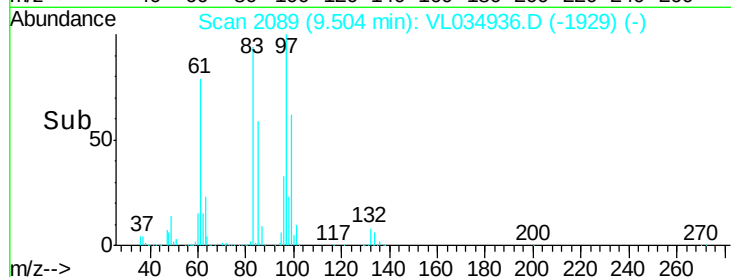
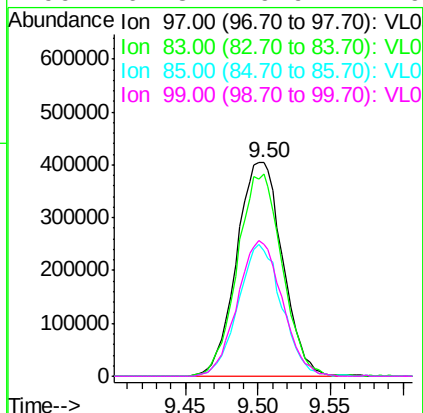
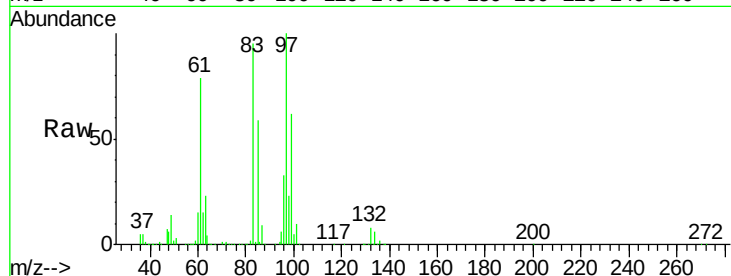
#47
 1,1,2-Trichloroethane
 Concen: 8.590 ppbv
 RT: 9.50 min Scan# 2089
 Delta R.T. 0.01 min
 Lab File: VL034936.D
 Acq: 6 May 2020 10:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		888925		
83	94.5	68.6	102.8		
85	58.8	46.9	70.3		
99	61.8	49.9	74.9		

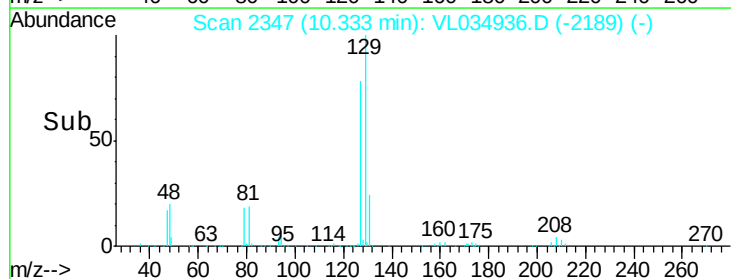
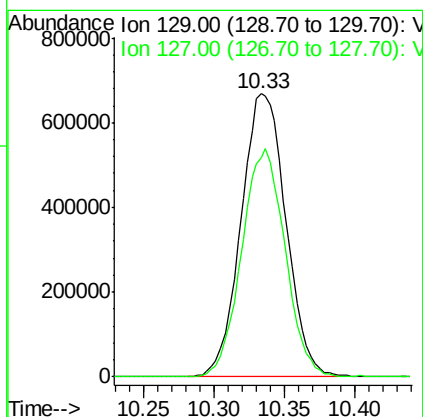
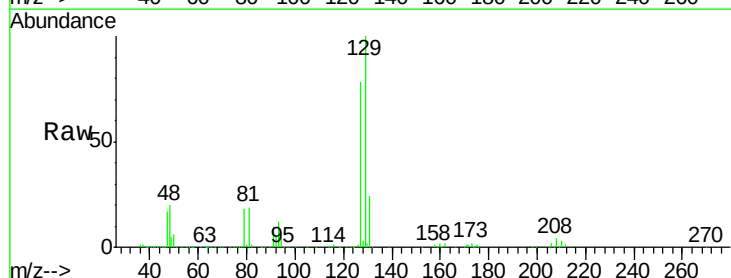
Manual Integrations
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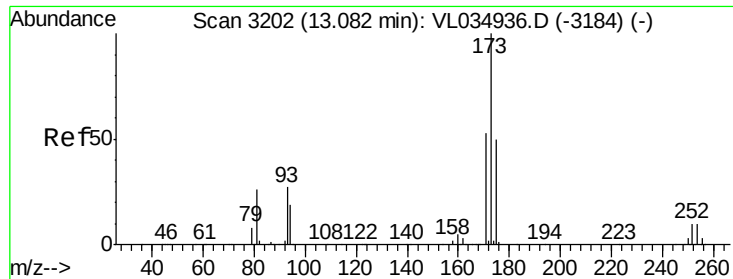
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#48
 Dibromochloromethane
 Concen: 8.866 ppbv
 RT: 10.33 min Scan# 2347
 Delta R.T. 0.01 min
 Lab File: VL034936.D
 Acq: 6 May 2020 10:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1485816		
127	78.1	39.6	118.7		





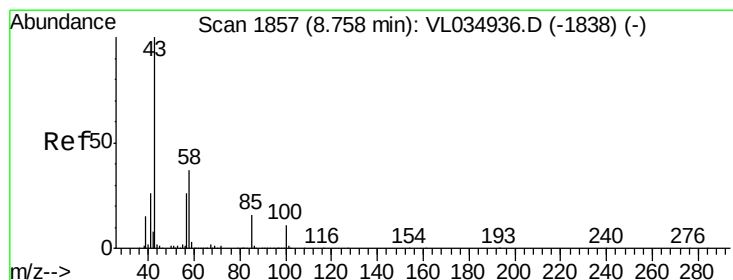
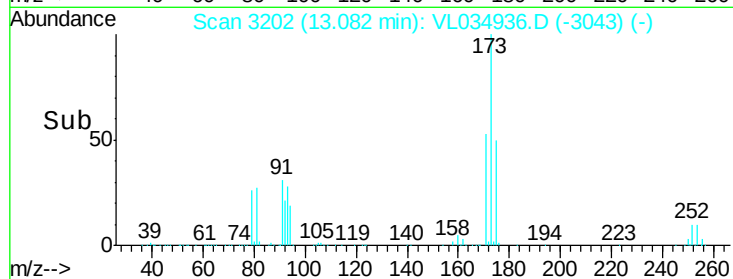
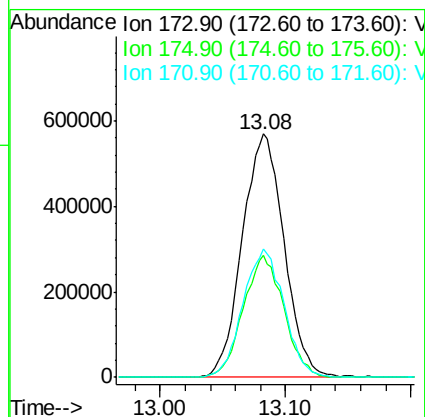
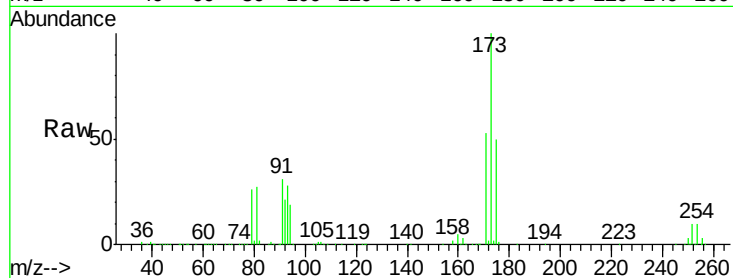
#49
Bromoform
Concen: 8.813 ppbv
RT: 13.08 min Scan# 3202
Delta R.T. 0.01 min
Lab File: VL034936.D
Acq: 6 May 2020 10:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:173 Resp: 1316985
Ion Ratio Lower Upper
173 100
175 48.8 39.6 59.4
171 51.8 41.0 61.6

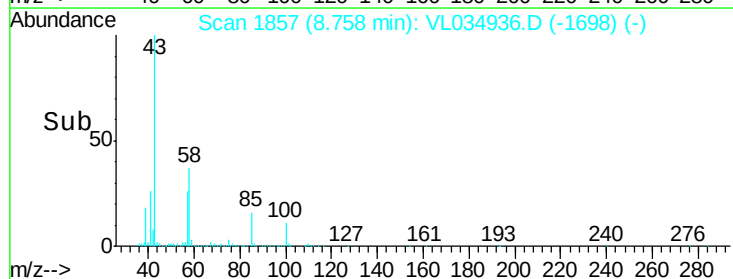
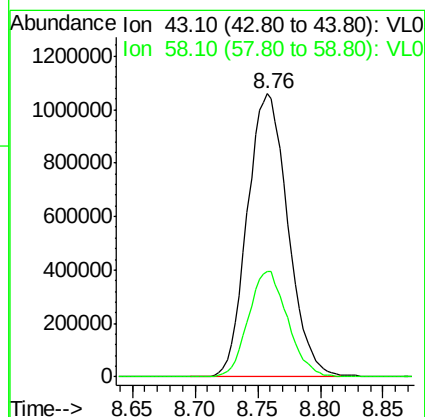
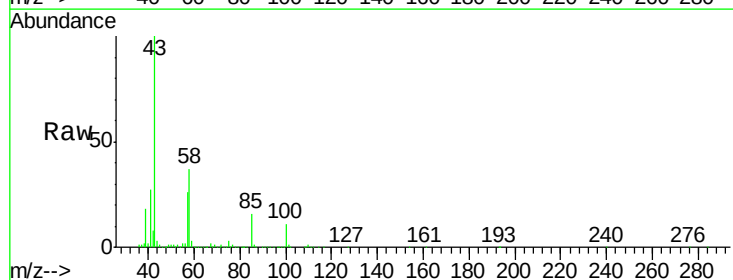
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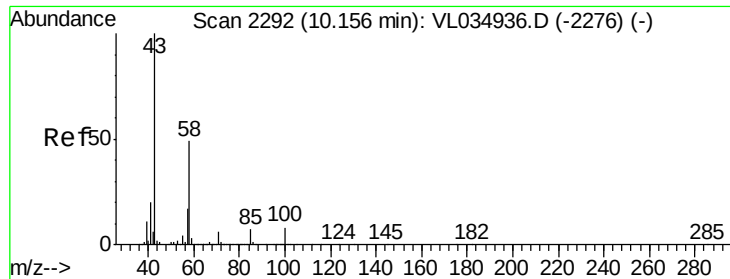
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 8.731 ppbv
RT: 8.76 min Scan# 1857
Delta R.T. 0.01 min
Lab File: VL034936.D
Acq: 6 May 2020 10:07

Tgt Ion: 43 Resp: 2384830
Ion Ratio Lower Upper
43 100
58 36.4 28.6 42.8





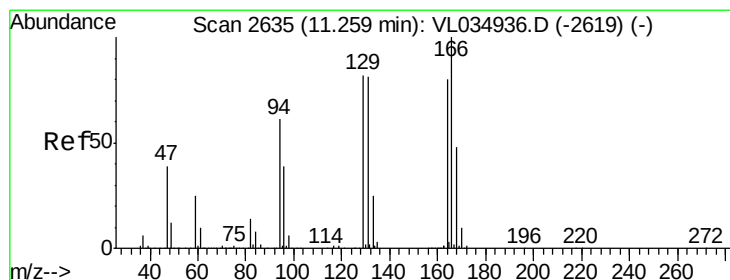
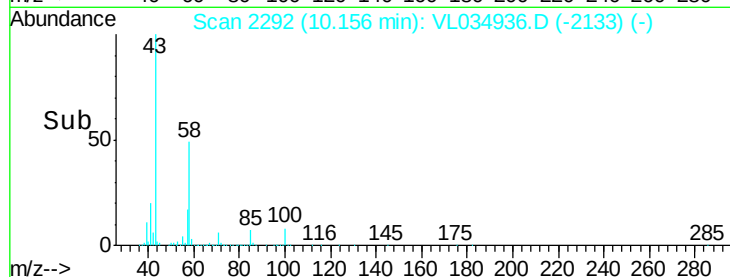
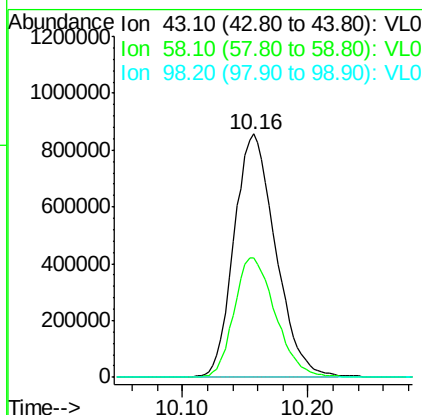
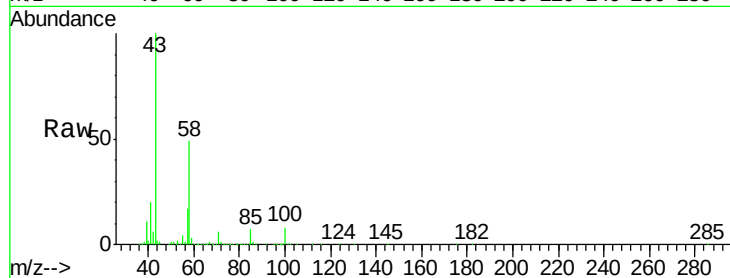
#51
2-Hexanone
Concen: 8.877 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VL034936.D
Acq: 6 May 2020 10:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 1970597
Ion Ratio Lower Upper
43 100
58 48.9 38.6 58.0
98 0.4 0.1 0.1#

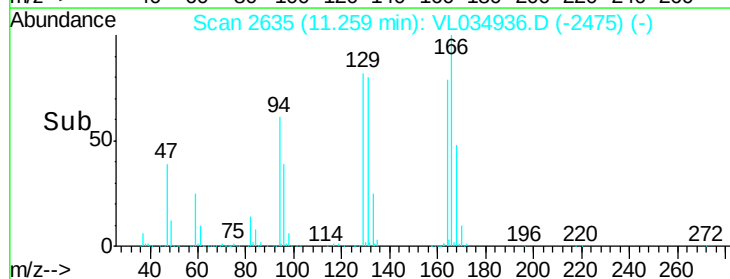
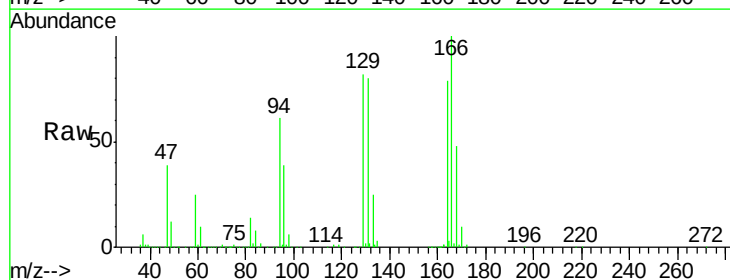
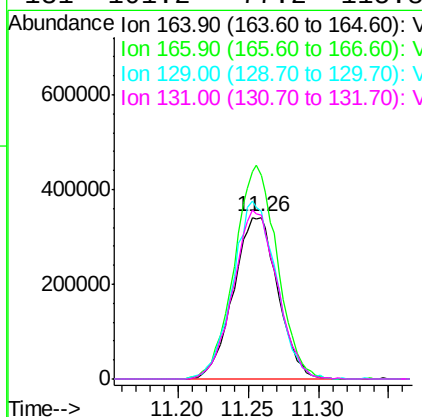
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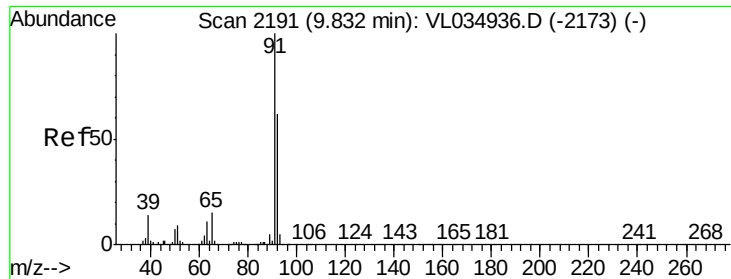
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#52
Tetrachloroethene
Concen: 7.411 ppbv
RT: 11.26 min Scan# 2635
Delta R.T. 0.01 min
Lab File: VL034936.D
Acq: 6 May 2020 10:07

Tgt Ion: 164 Resp: 746178
Ion Ratio Lower Upper
164 100
166 125.9 100.0 150.0
129 103.7 83.1 124.7
131 101.2 77.2 115.8





#53

Toluene

Concen: 8.445 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. 0.01 min

Lab File: VL034936.D

Acq: 6 May 2020 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 2482218

Ion Ratio Lower Upper

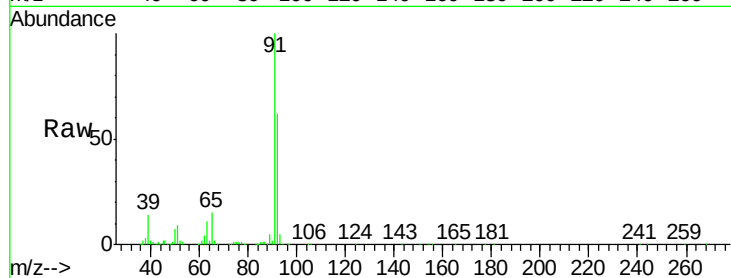
91 100

92 60.8 48.6 72.8

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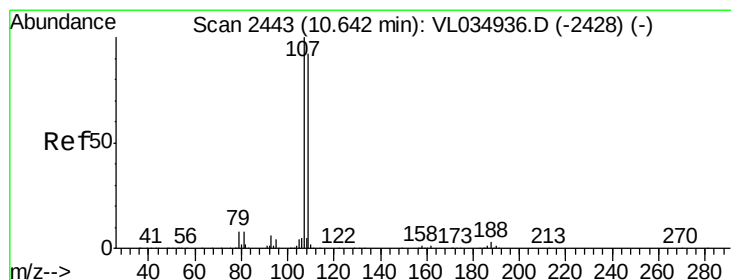
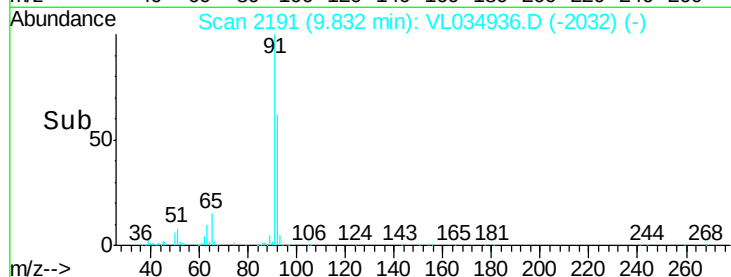
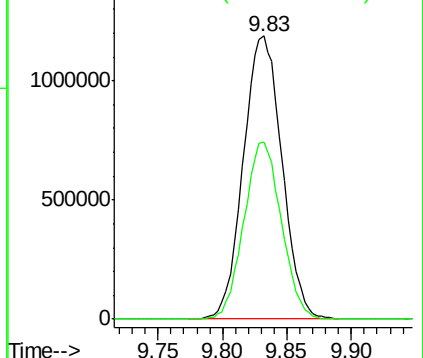
MMDadoda

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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: 8.683 ppbv

RT: 10.64 min Scan# 2443

Delta R.T. 0.01 min

Lab File: VL034936.D

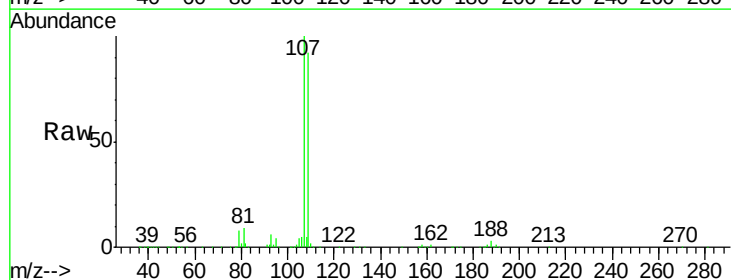
Acq: 6 May 2020 10:07

Tgt Ion: 107 Resp: 1352678

Ion Ratio Lower Upper

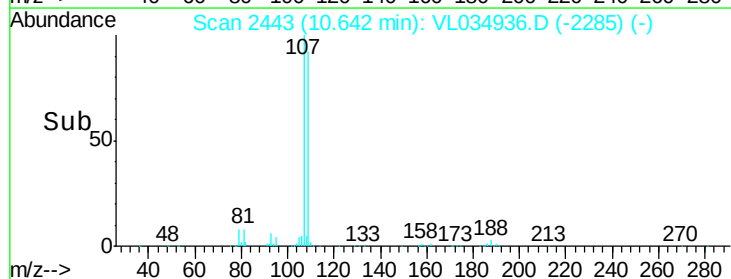
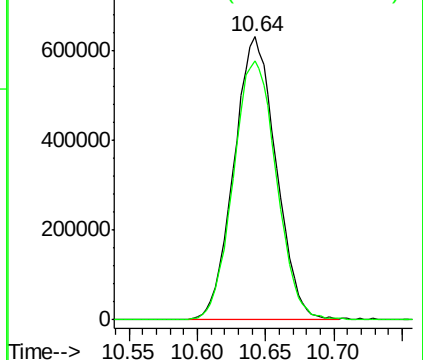
107 100

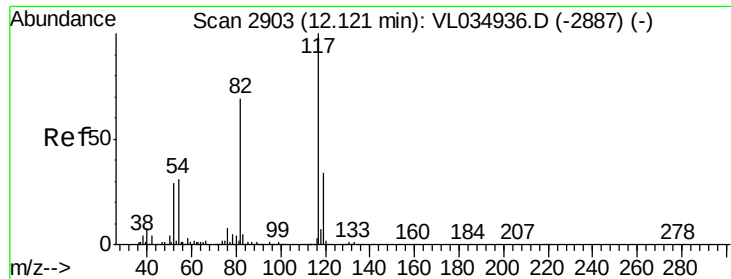
109 91.5 74.9 112.3



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: 12.12 min Scan# 2903

Delta R.T. 0.01 min

Lab File: VL034936.D

Acq: 6 May 2020 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:117 Resp: 2818339

Ion Ratio Lower Upper

117 100

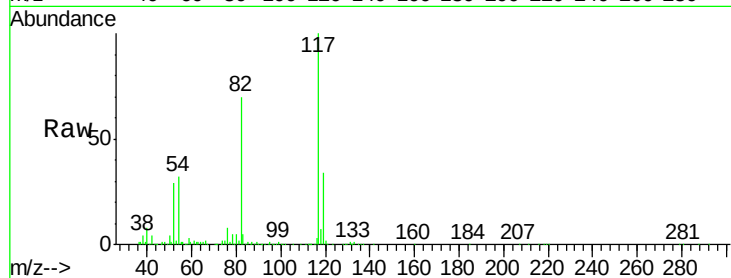
82 66.4 51.1 76.7

119 33.4 27.3 40.9

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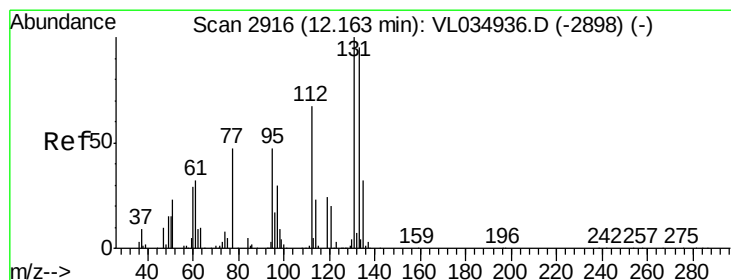
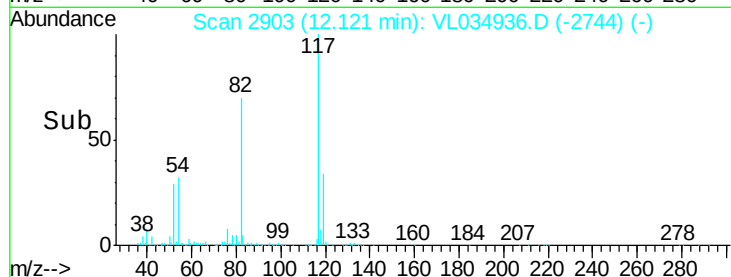
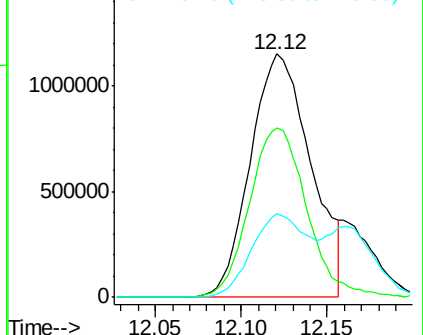
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.724 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. 0.01 min

Lab File: VL034936.D

Acq: 6 May 2020 10:07

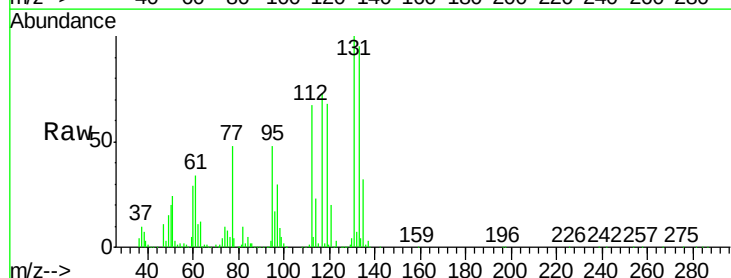
Tgt Ion:131 Resp: 1104434

Ion Ratio Lower Upper

131 100

133 97.1 76.0 114.0

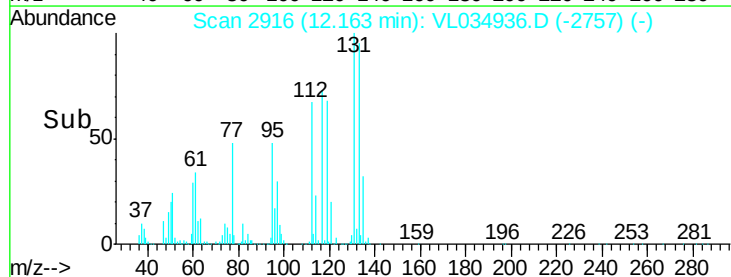
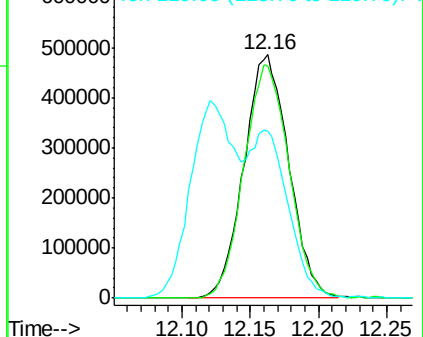
119 62.2 47.8 71.8

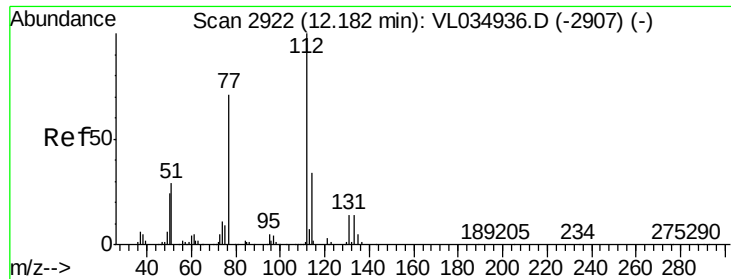


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 8.438 ppbv

RT: 12.18 min Scan# 2922

Delta R.T. 0.01 min

Lab File: VL034936.D

Acq: 6 May 2020 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 112 Resp: 1860748

Ion Ratio Lower Upper

112 100

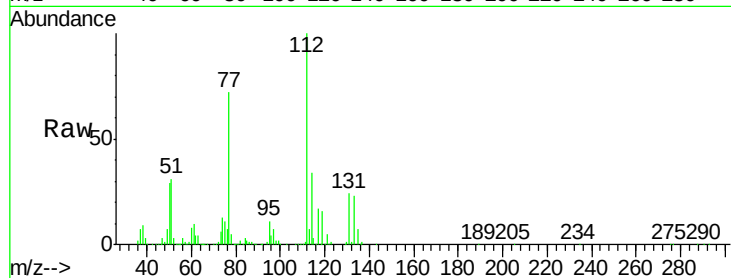
77 71.3 53.0 79.6

114 34.2 29.5 36.1

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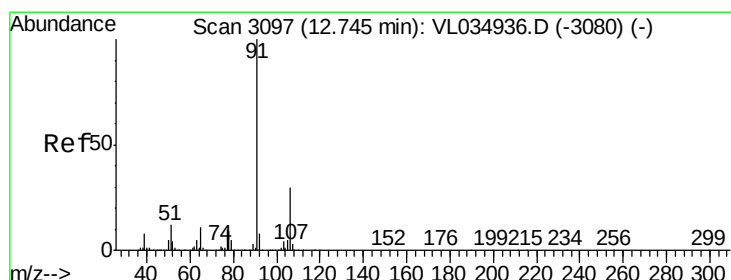
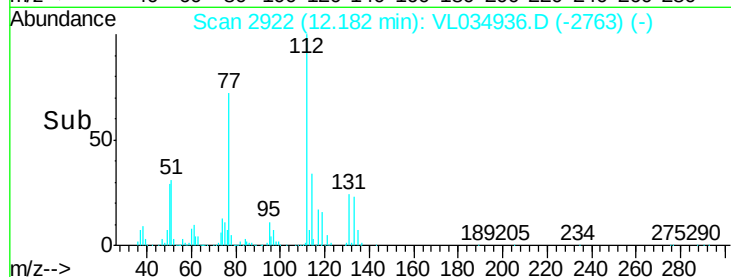
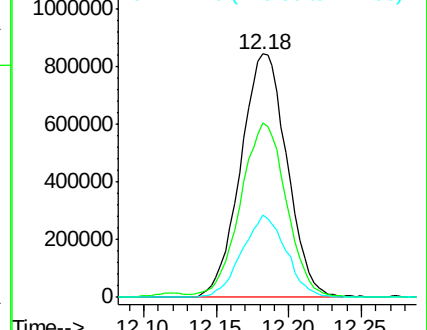
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.745 ppbv

RT: 12.74 min Scan# 3097

Delta R.T. 0.01 min

Lab File: VL034936.D

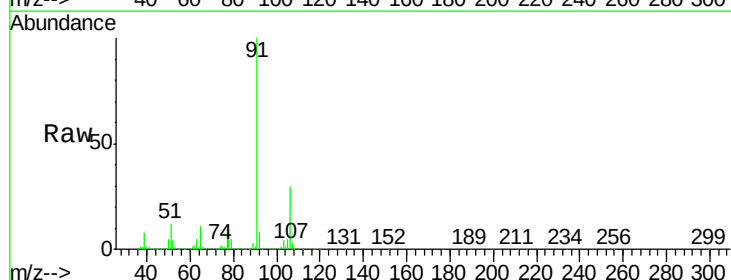
Acq: 6 May 2020 10:07

Tgt Ion: 91 Resp: 3337768

Ion Ratio Lower Upper

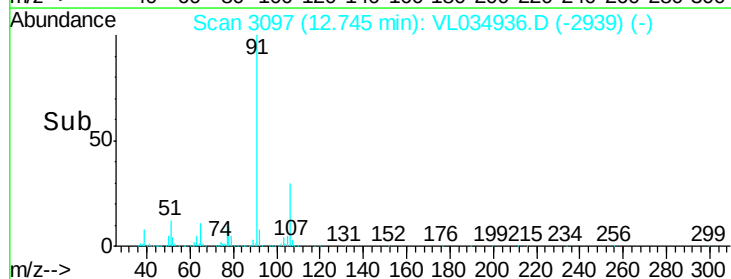
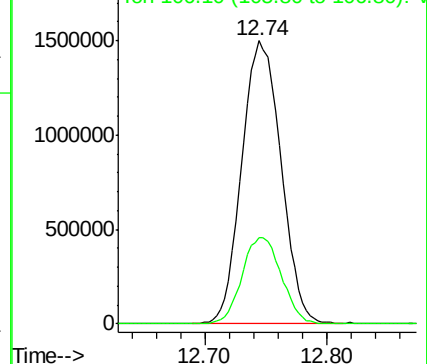
91 100

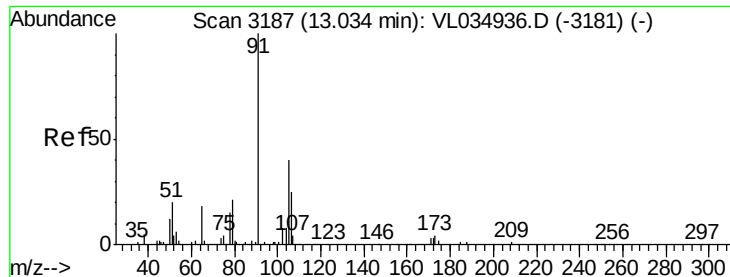
106 30.3 25.8 38.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





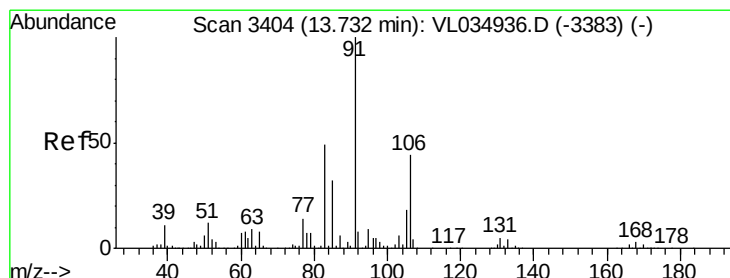
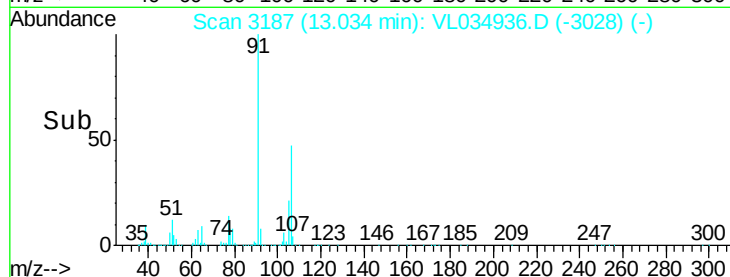
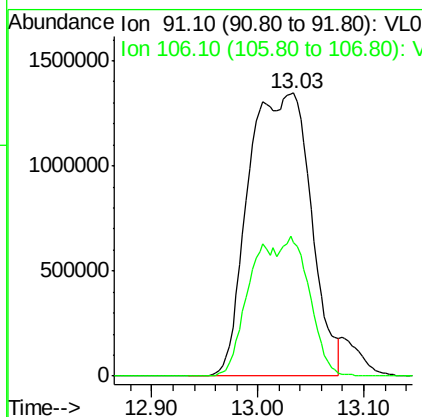
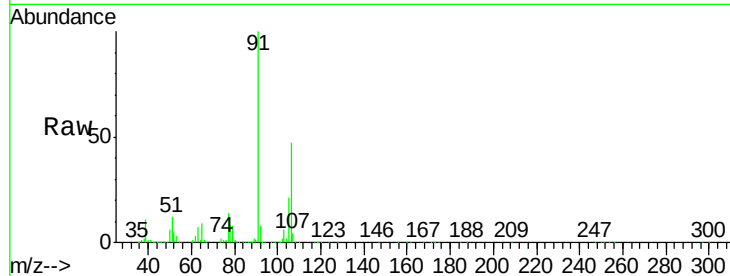
#59
m/p-Xylene
Concen: 17.245 ppbv m
RT: 13.03 min Scan# 3187
Delta R.T. 0.01 min
Lab File: VL034936.D
Acq: 6 May 2020 10:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 5514037
Ion Ratio Lower Upper
91 100
106 45.6 37.1 55.7

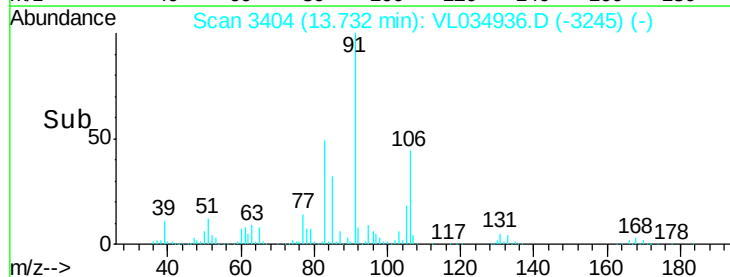
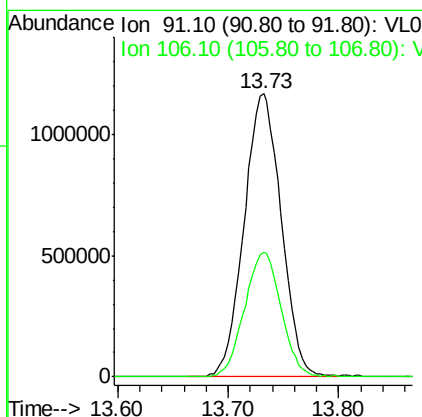
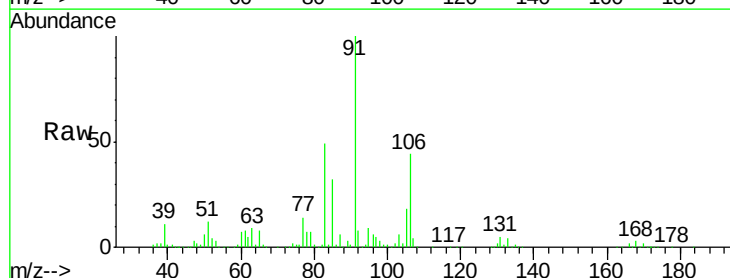
Manual Integrations
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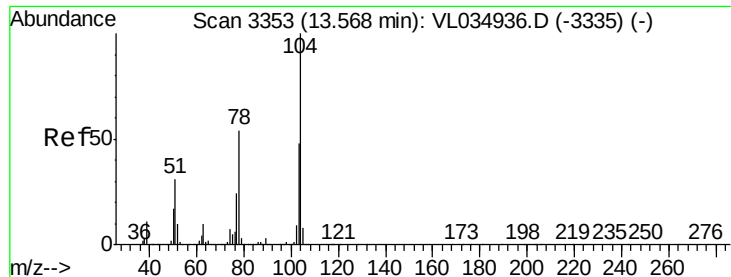
MMDadoda
5/7/2020 2:29:26 PM



#60
o-Xylene
Concen: 8.725 ppbv
RT: 13.73 min Scan# 3404
Delta R.T. 0.01 min
Lab File: VL034936.D
Acq: 6 May 2020 10:07

Tgt Ion: 91 Resp: 2723914
Ion Ratio Lower Upper
91 100
106 43.7 22.5 67.5





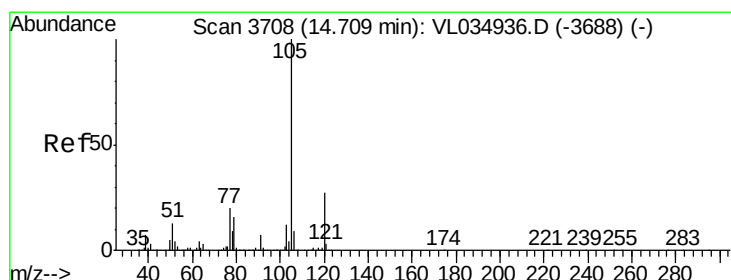
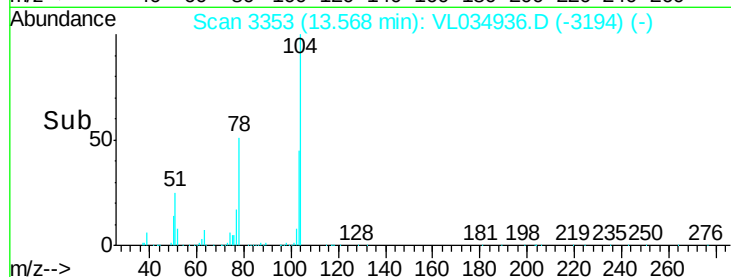
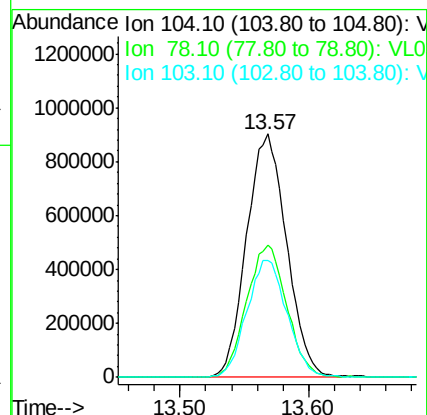
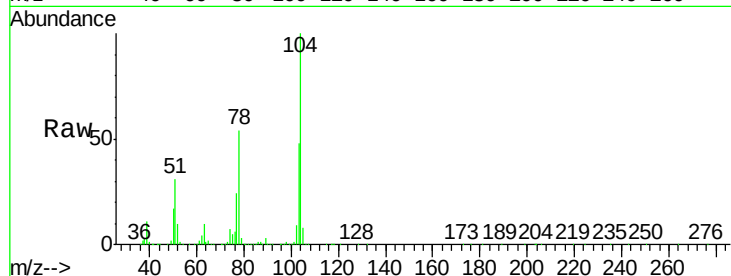
#61
Stvrene
Concen: 8.920 ppbv
RT: 13.57 min Scan# 3353
Delta R.T. 0.01 min
Lab File: VL034936.D
Acq: 6 May 2020 10:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.6	41.8	62.6
103	48.5	37.8	56.6

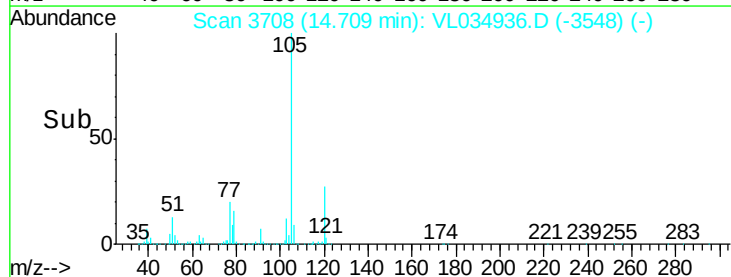
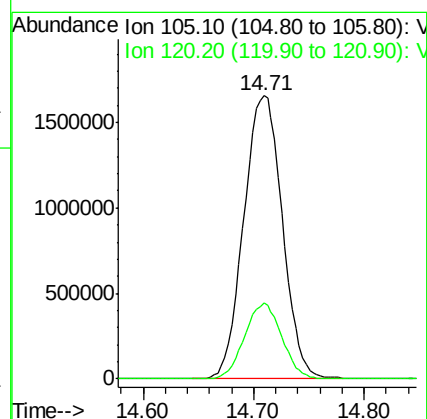
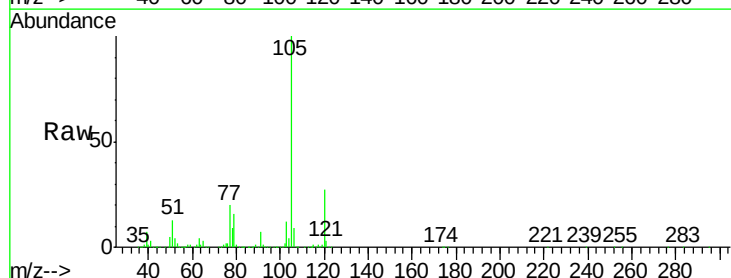
Manual Integrations
APPROVED

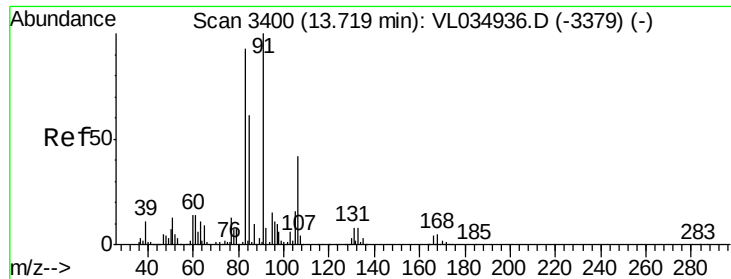
MMDadoda
5/7/2020 2:29:26 PM



#62
Isopropylbenzene
Concen: 8.520 ppbv
RT: 14.71 min Scan# 3708
Delta R.T. 0.01 min
Lab File: VL034936.D
Acq: 6 May 2020 10:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	21.0	31.4





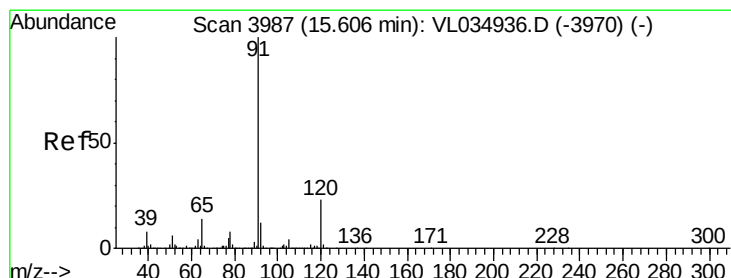
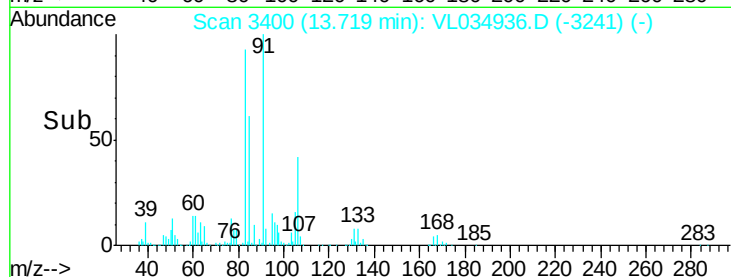
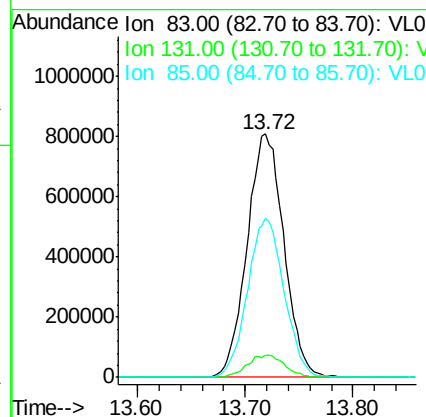
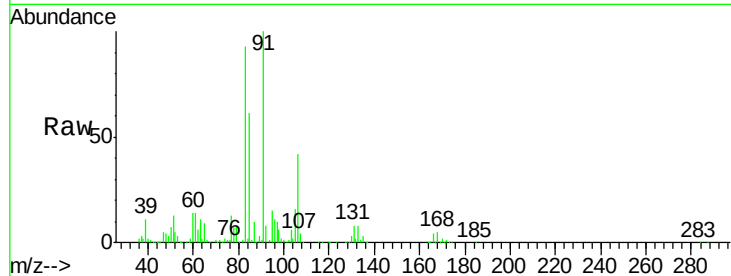
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.067 ppbv
 RT: 13.72 min Scan# 3400
 Delta R.T. 0.01 min
 Lab File: VL034936.D
 Acq: 6 May 2020 10:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.3	5.0	14.9
85	64.9	32.4	97.2

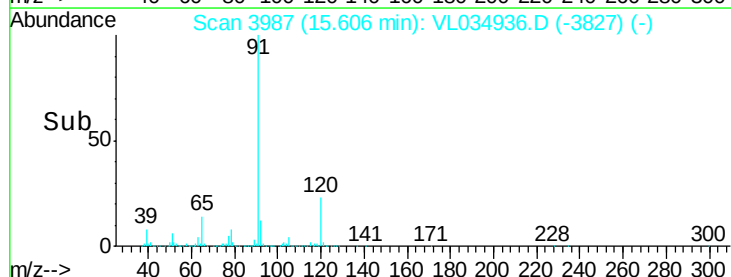
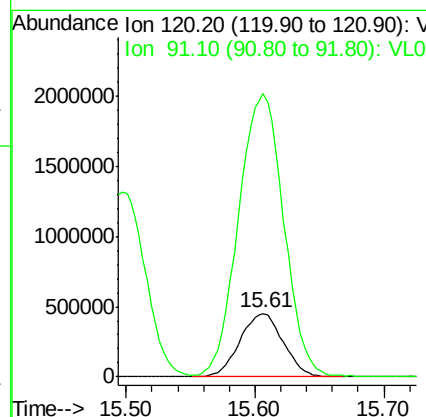
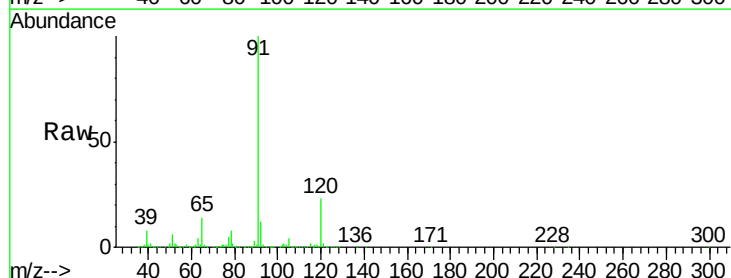
Manual Integrations
 APPROVED

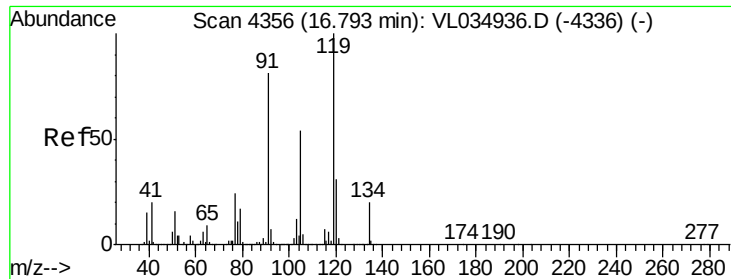
MMDadoda
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#64
 n-propylbenzene
 Concen: 8.600 ppbv
 RT: 15.61 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VL034936.D
 Acq: 6 May 2020 10:07

Tgt Ion	Ratio	Lower	Upper
120	100		
91	466.9	360.9	541.3





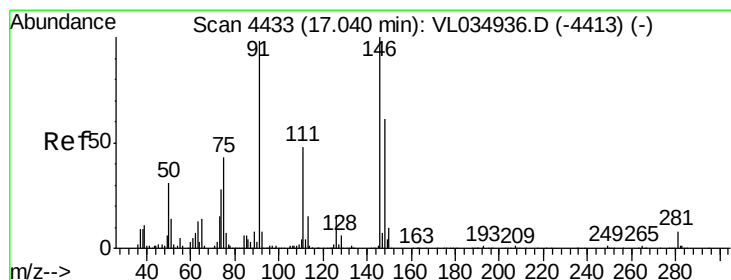
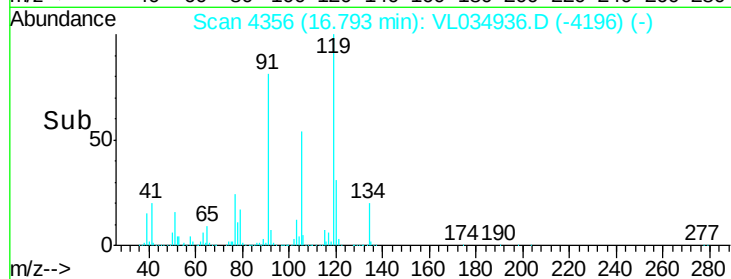
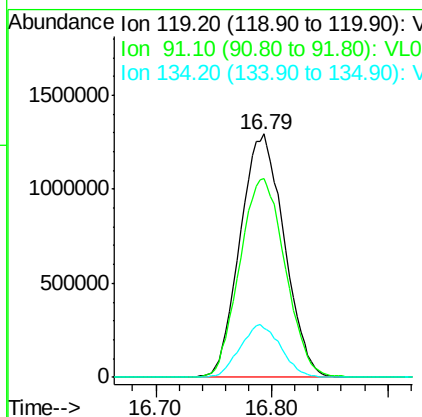
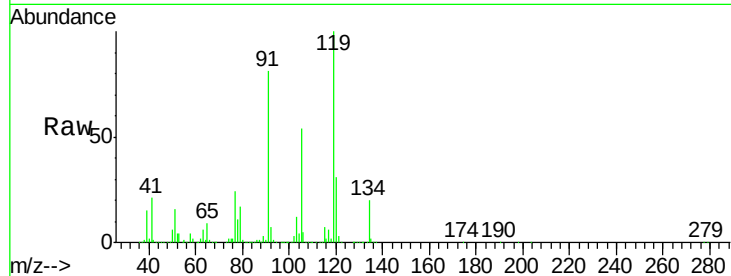
#65
tert-Butylbenzene
Concen: 8.290 ppbv
RT: 16.79 min Scan# 4356
Delta R.T. 0.01 min
Lab File: VL034936.D
Acq: 6 May 2020 10:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	84.4	64.9	97.3
134	20.1	15.9	23.9

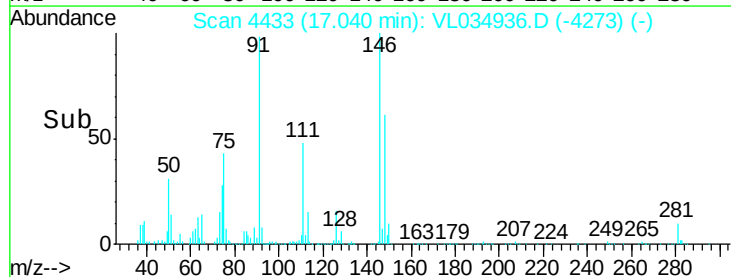
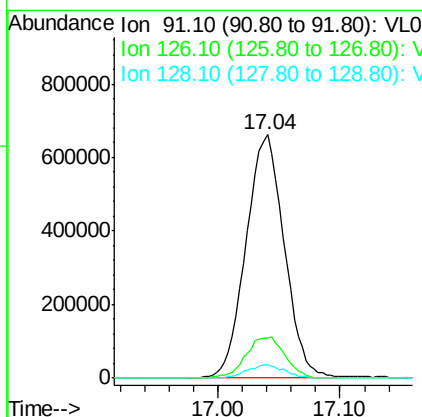
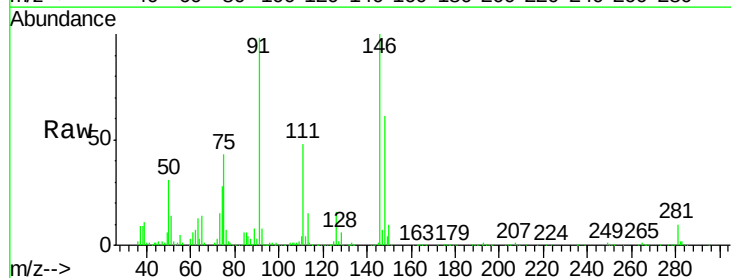
Manual Integrations
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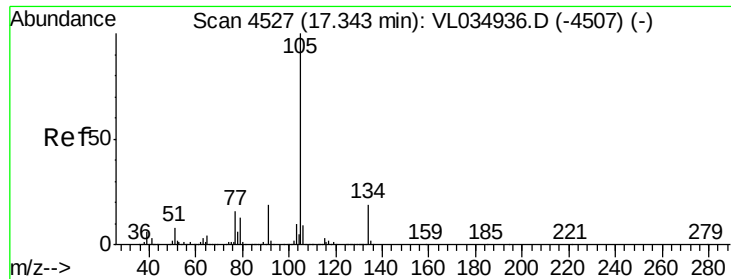
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#66
Benzyl Chloride
Concen: 8.322 ppbv
RT: 17.04 min Scan# 4433
Delta R.T. 0.01 min
Lab File: VL034936.D
Acq: 6 May 2020 10:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.2	14.7	22.1
128	5.4	4.7	7.1





#67

sec-Butylbenzene

Concen: 8.578 ppbv

RT: 17.34 min Scan# 4527

Delta R.T. 0.01 min

Lab File: VL034936.D

Acq: 6 May 2020 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 4908357

Ion Ratio Lower Upper

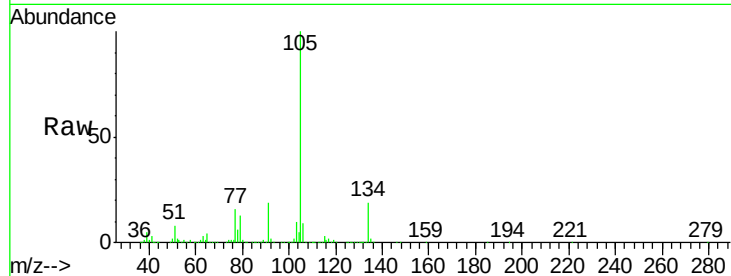
105 100

134 18.5 15.0 22.6

Manual Integrations
APPROVED

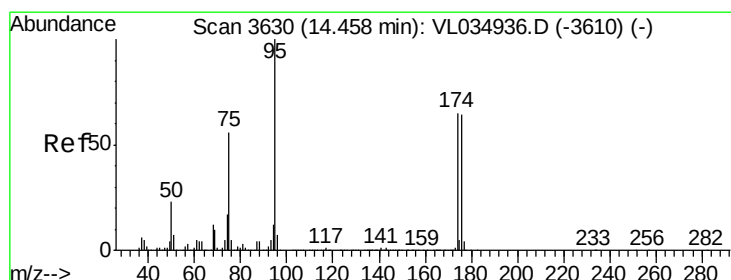
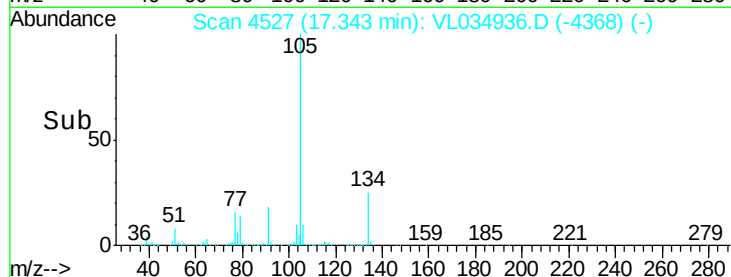
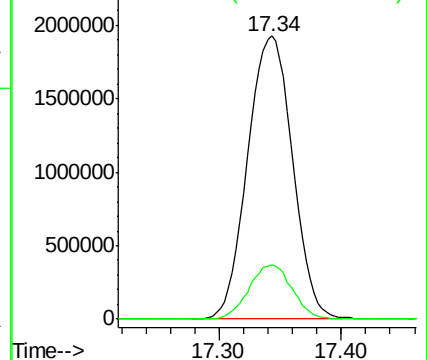
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.078 ppbv

RT: 14.46 min Scan# 3630

Delta R.T. 0.01 min

Lab File: VL034936.D

Acq: 6 May 2020 10:07

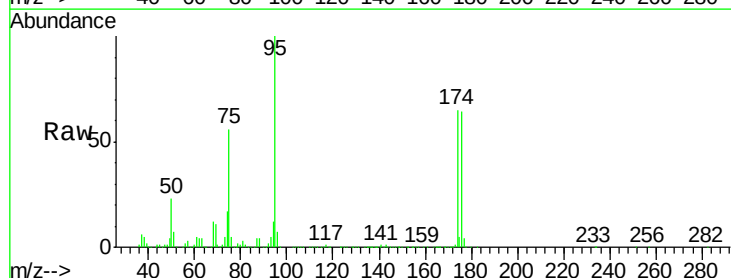
Tgt Ion: 95 Resp: 2215206

Ion Ratio Lower Upper

95 100

174 64.4 55.2 82.8

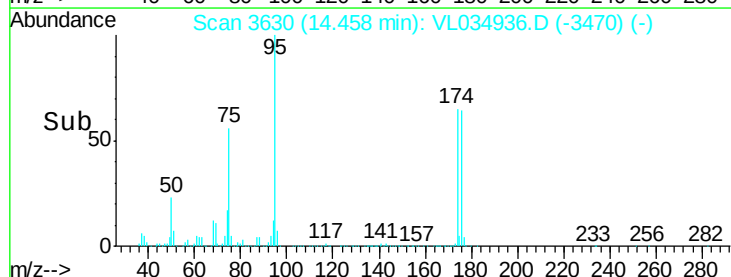
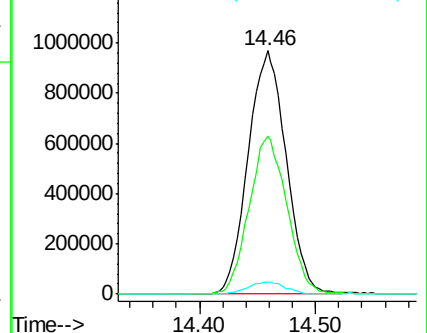
175 4.8 4.3 6.5

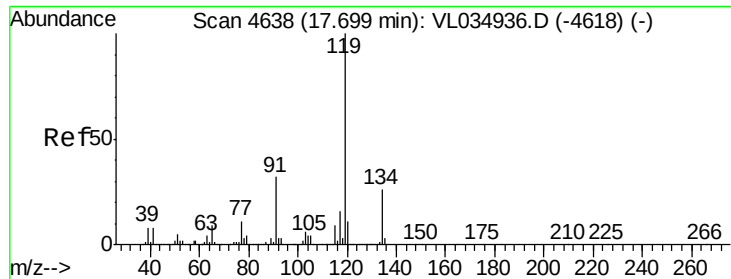


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





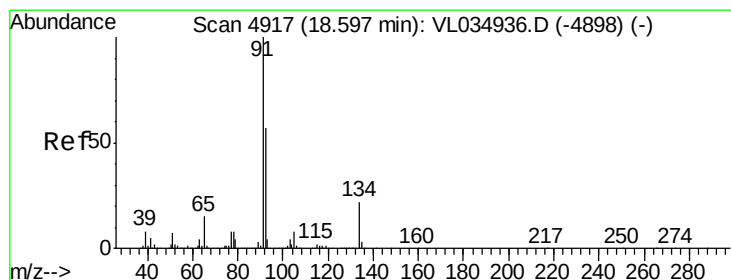
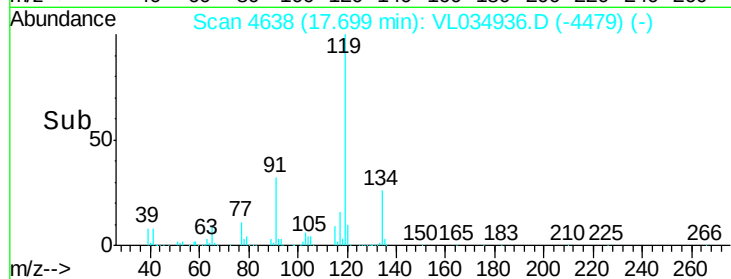
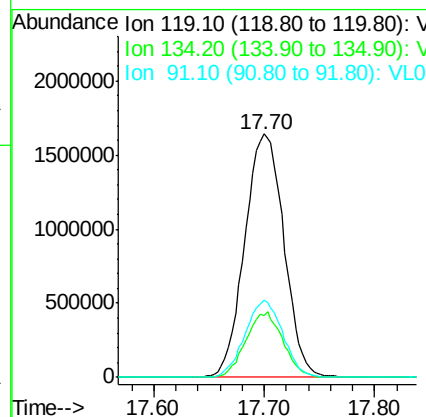
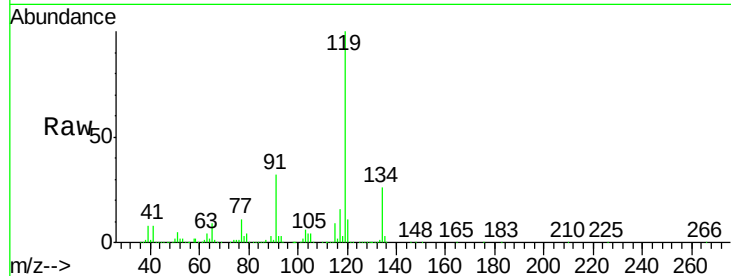
#69
 p-Isopropyltoluene
 Concen: 8.431 ppbv
 RT: 17.70 min Scan# 4638
 Delta R.T. 0.01 min
 Lab File: VL034936.D
 Acq: 6 May 2020 10:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.6	30.8
91	30.7	23.4	35.2

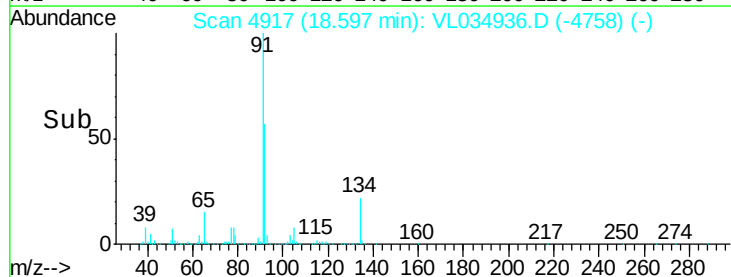
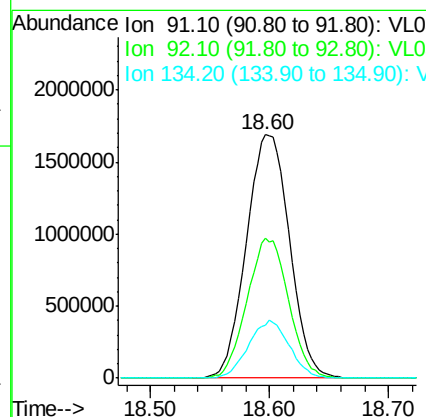
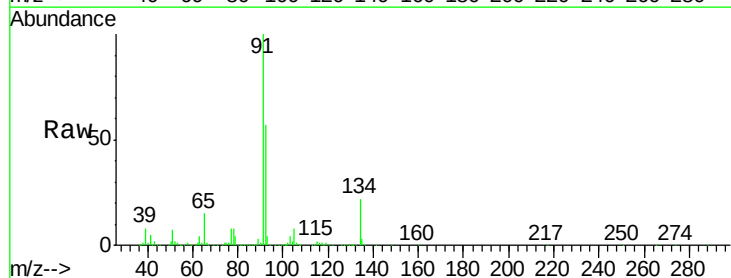
Manual Integrations
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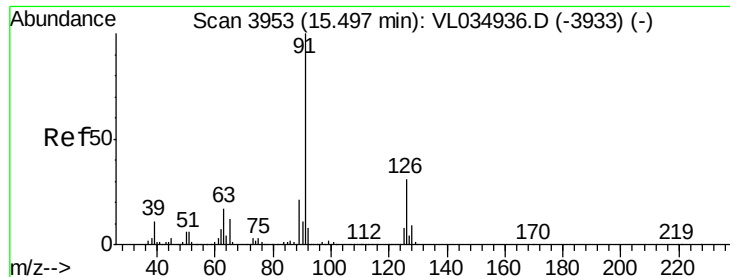
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#70
 n-Butylbenzene
 Concen: 8.649 ppbv
 RT: 18.60 min Scan# 4917
 Delta R.T. 0.01 min
 Lab File: VL034936.D
 Acq: 6 May 2020 10:07

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.5	43.8	65.6
134	22.5	19.0	28.4





#71

2-Chlorotoluene

Concen: 8.708 ppbv

RT: 15.50 min Scan# 3953

Delta R.T. 0.01 min

Lab File: VL034936.D

Acq: 6 May 2020 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 3112976

Ion Ratio Lower Upper

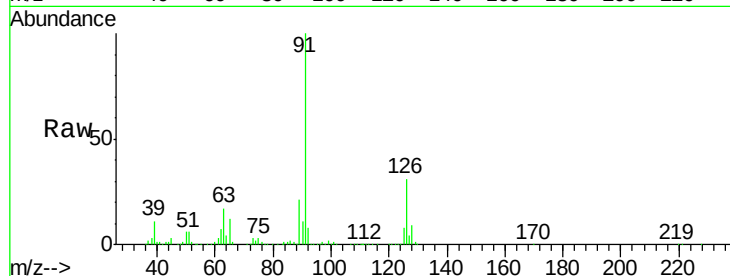
91 100

126 29.9 12.3 49.1

Manual Integrations
APPROVED

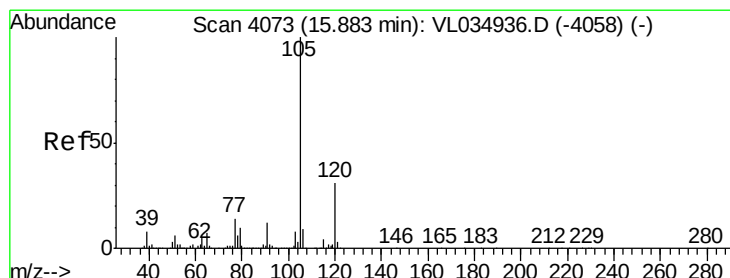
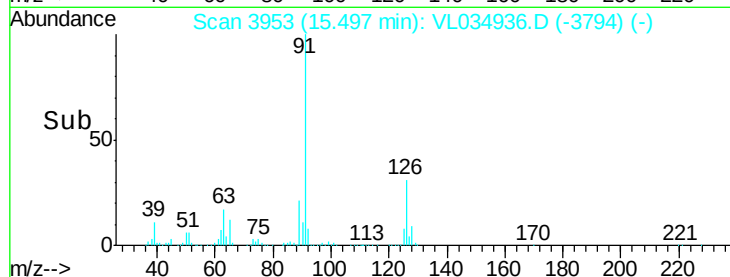
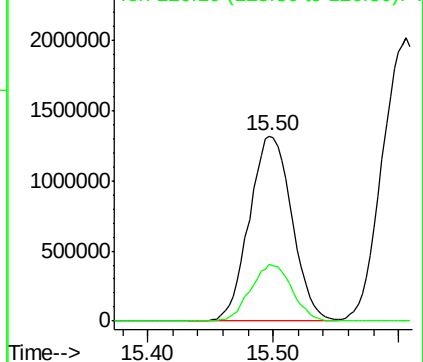
MMDadoda

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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: 8.502 ppbv

RT: 15.88 min Scan# 4073

Delta R.T. 0.01 min

Lab File: VL034936.D

Acq: 6 May 2020 10:07

Tgt Ion: 105 Resp: 3134867

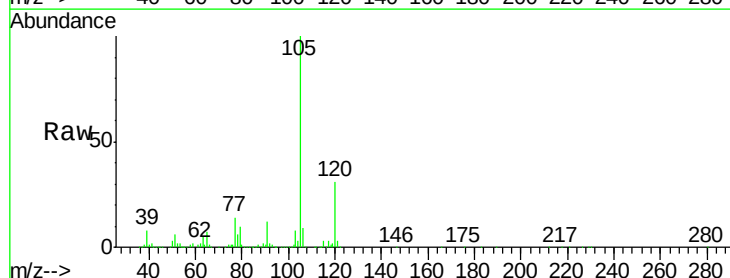
Ion Ratio Lower Upper

105 100

120 29.8 23.7 35.5

91 13.2 10.5 15.7

77 14.5 11.1 16.7

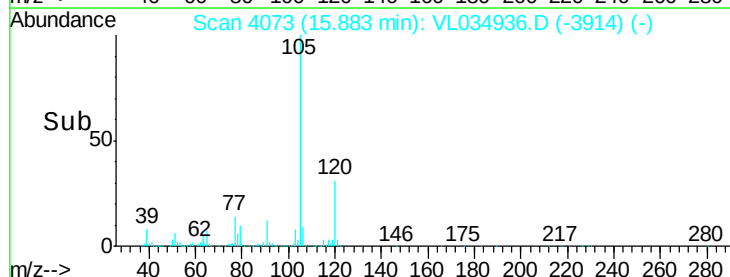
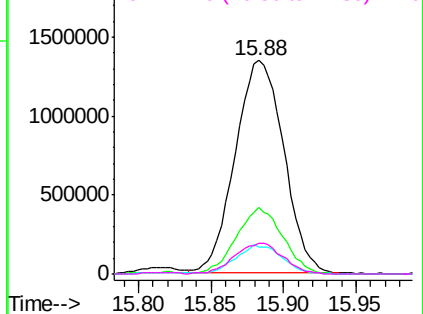


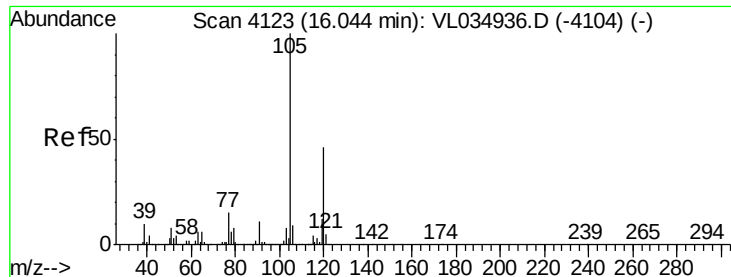
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.594 ppbv

RT: 16.04 min Scan# 4123

Delta R.T. 0.01 min

Lab File: VL034936.D

Acq: 6 May 2020 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 2966090

Ion Ratio Lower Upper

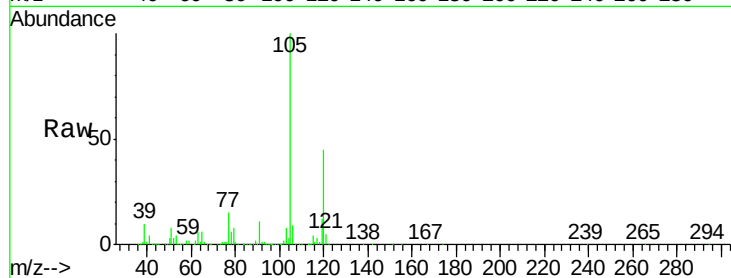
105 100

120 45.5 38.6 58.0

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

1500000

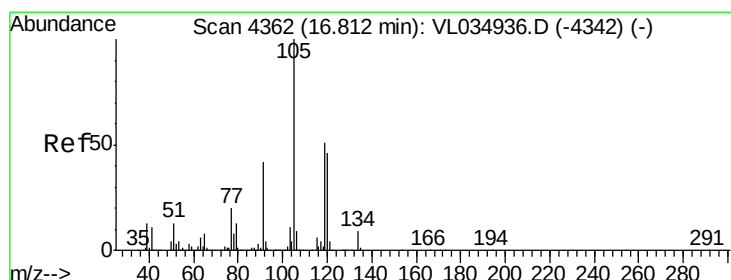
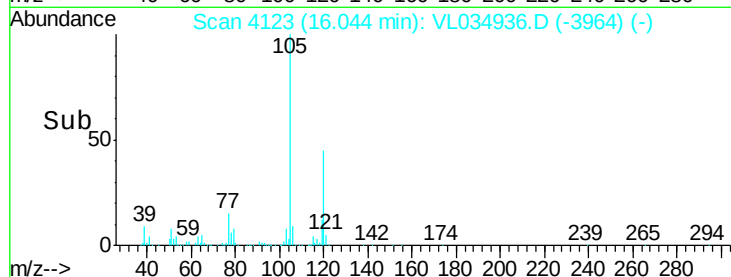
1000000

500000

0

16.04

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.577 ppbv

RT: 16.81 min Scan# 4362

Delta R.T. 0.01 min

Lab File: VL034936.D

Acq: 6 May 2020 10:07

Tgt Ion:105 Resp: 3049887

Ion Ratio Lower Upper

105 100

120 46.0 37.0 55.4

91 44.2 33.8 50.6

77 20.2 15.4 23.0

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

2000000

1500000

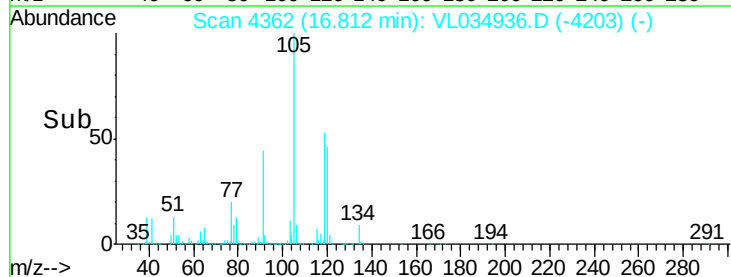
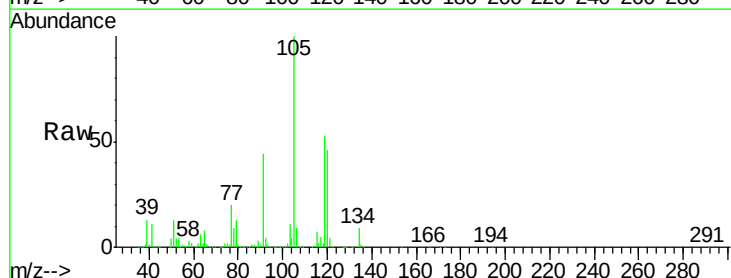
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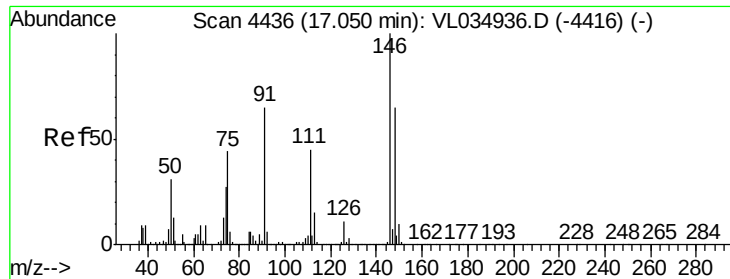
500000

0

16.81

Time-->





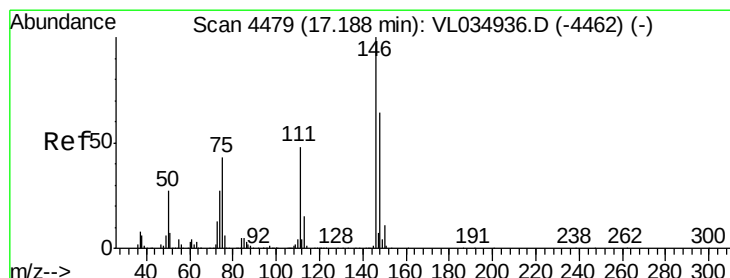
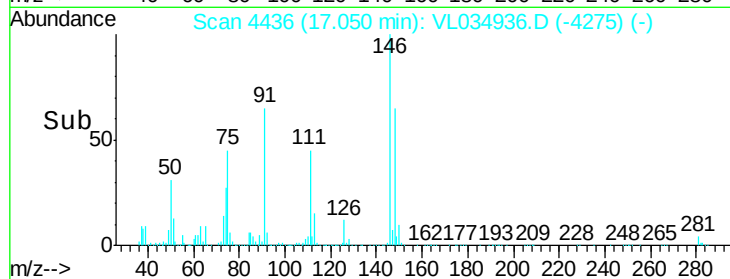
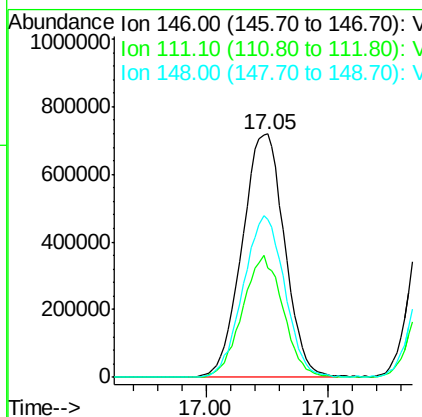
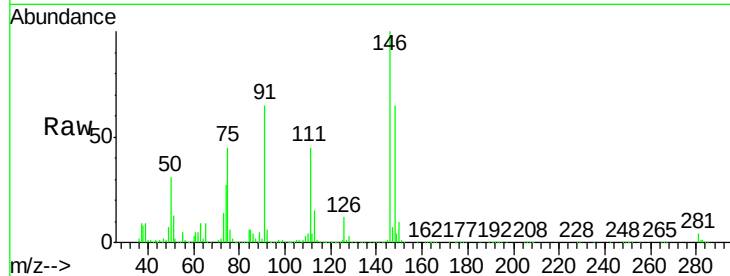
#75
 1,3-Dichlorobenzene
 Concen: 8.053 ppbv
 RT: 17.05 min Scan# 4436
 Delta R.T. 0.02 min
 Lab File: VL034936.D
 Acq: 6 May 2020 10:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.0	23.9	71.7
148	65.1	32.5	97.5

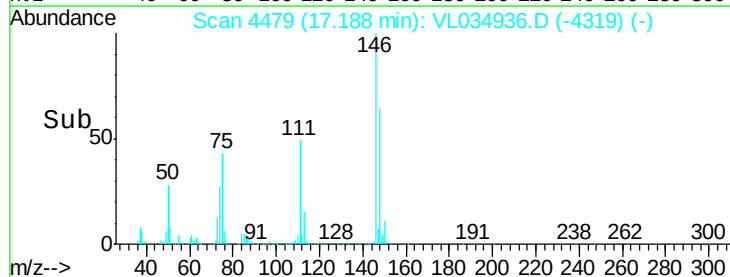
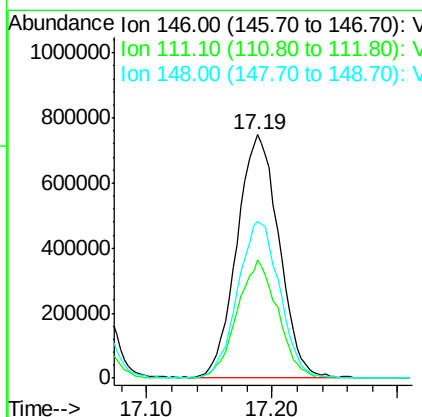
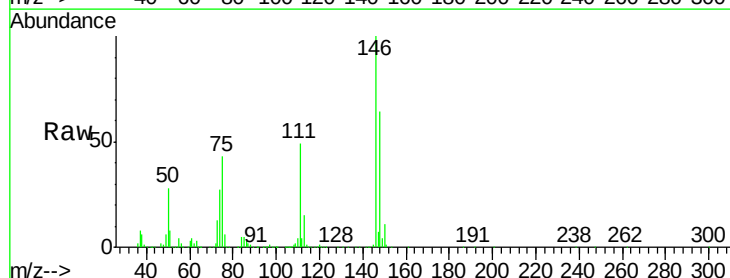
Manual Integrations
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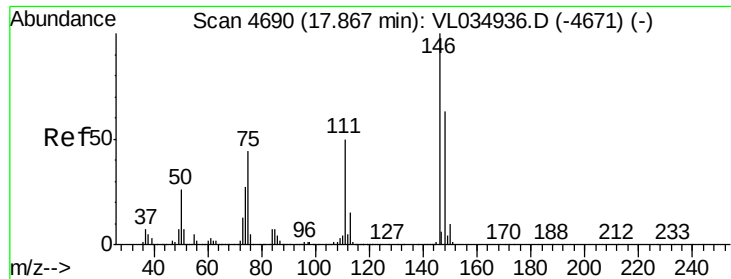
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#76
 1,4-Dichlorobenzene
 Concen: 8.095 ppbv
 RT: 17.19 min Scan# 4479
 Delta R.T. 0.01 min
 Lab File: VL034936.D
 Acq: 6 May 2020 10:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.4	23.4	70.2
148	65.2	32.3	96.9





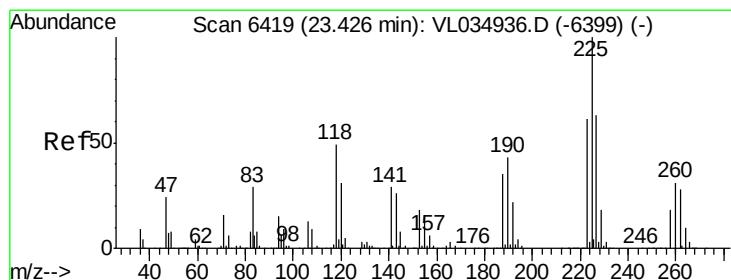
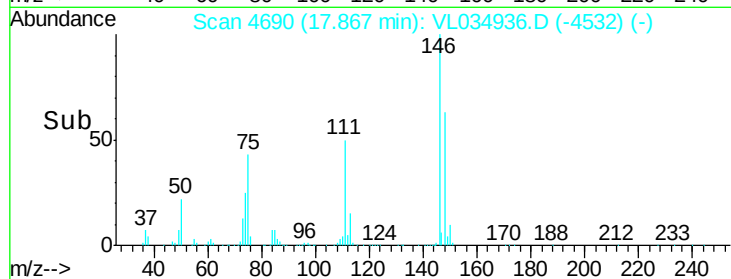
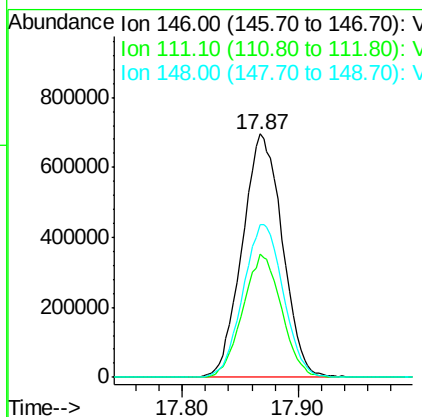
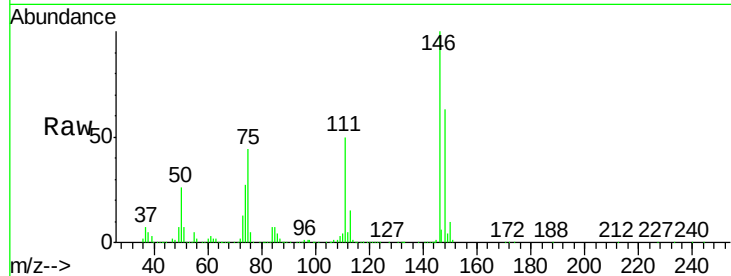
#77
 1,2-Dichlorobenzene
 Concen: 8.044 ppbv
 RT: 17.87 min Scan# 4690
 Delta R.T. 0.01 min
 Lab File: VL034936.D
 Acq: 6 May 2020 10:07

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.0	23.8	71.4
148	63.4	31.6	94.8

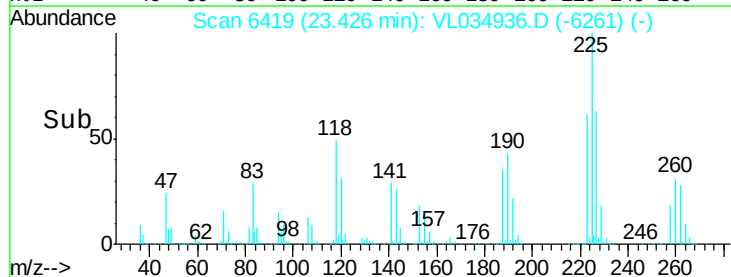
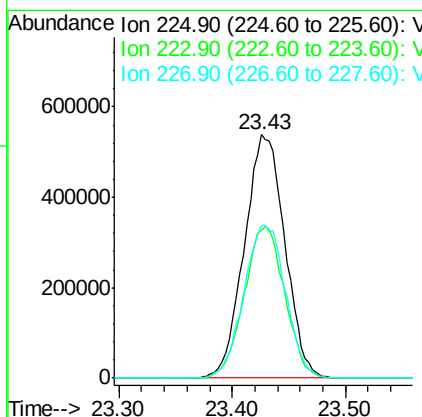
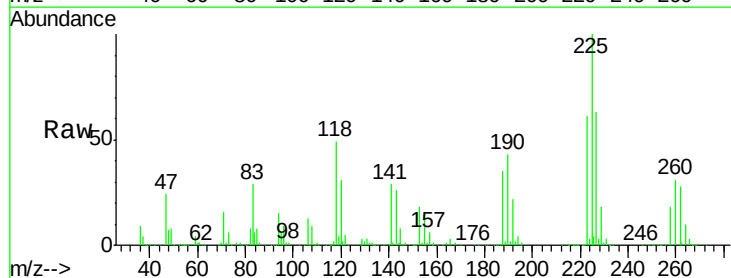
Manual Integrations
 APPROVED

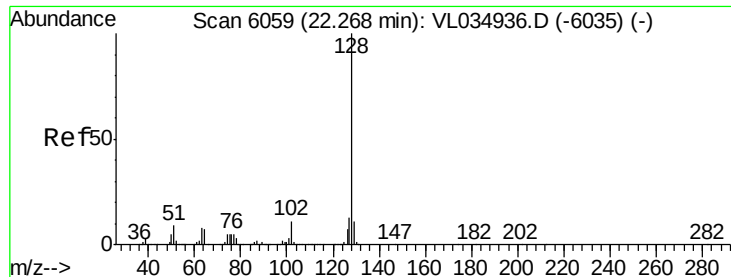
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.712 ppbv
 RT: 23.43 min Scan# 6419
 Delta R.T. 0.01 min
 Lab File: VL034936.D
 Acq: 6 May 2020 10:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	51.1	76.7
227	64.7	51.8	77.6





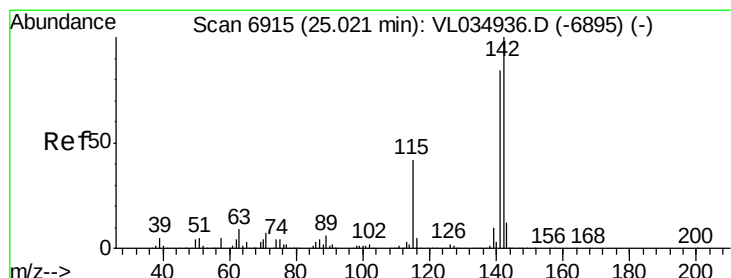
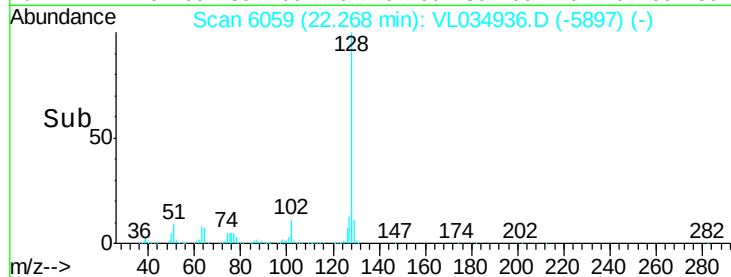
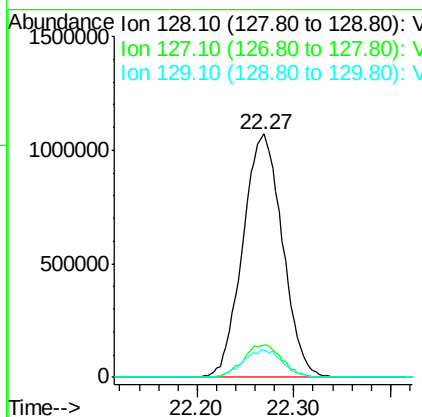
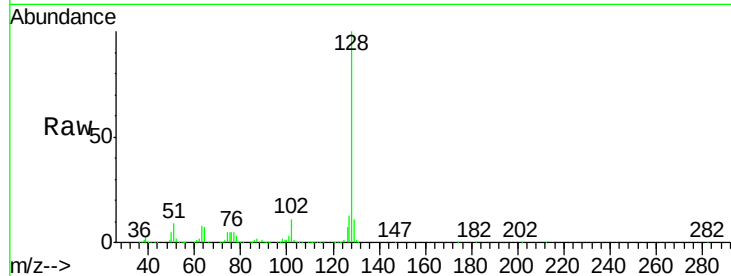
#79
Naphthalene
Concen: 10.994 ppbv
RT: 22.27 min Scan# 6059
Delta R.T. 0.02 min
Lab File: VL034936.D
Acq: 6 May 2020 10:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	11.2	8.6	13.0

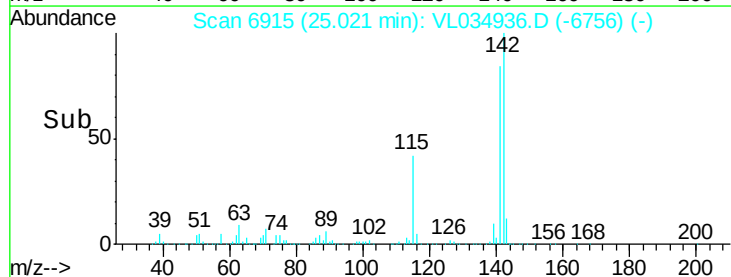
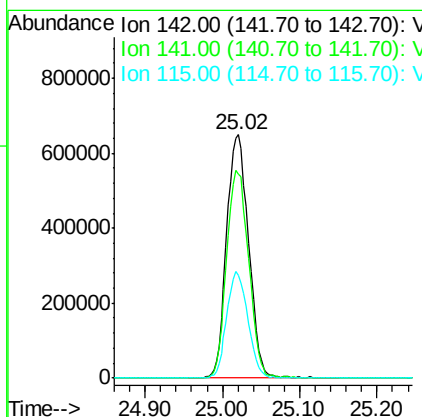
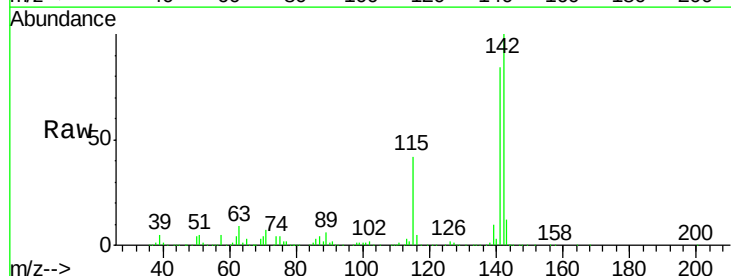
Manual Integrations
APPROVED

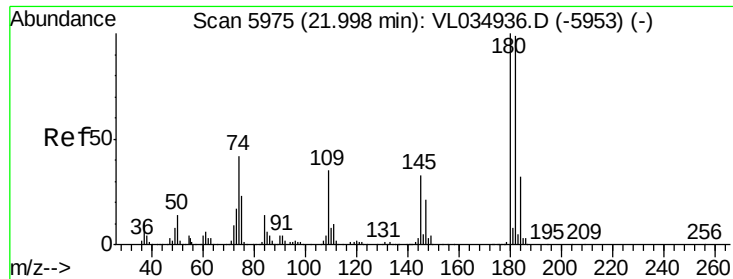
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#80
Naphthalene, 2-methyl-
Concen: 17.618 ppbv
RT: 25.02 min Scan# 6915
Delta R.T. 0.01 min
Lab File: VL034936.D
Acq: 6 May 2020 10:07

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.7	68.9	103.3
115	42.4	33.2	49.8





#81
 1,2,4-Trichlorobenzene
 Concen: 9.098 ppbv
 RT: 22.00 min Scan# 5975
 Delta R.T. 0.01 min
 Lab File: VL034936.D
 Acq: 6 May 2020 10:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.6	115.0
184	31.0	25.0	37.4

Manual Integrations
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