

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091719\
 Data File : VL034170.D
 Acq On : 17 Sep 2019 4:10
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 12:43:52 AM

Quant Time: Sep 17 06:05:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 17 2019
 QLast Update : Tue Sep 17 05:58:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1282794	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.23	114	2228263	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	2427683m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.51	95	2084960	10.41	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	1566143	7.697	ppbv 100
3) Chlorodifluoromethane	2.97	51	1401136	9.659	ppbv 100
4) Chloromethane	3.13	50	834469	9.339	ppbv 100
5) Vinyl Chloride	3.25	62	736257	9.037	ppbv 100
6) Bromomethane	3.47	94	360896	9.078	ppbv 100
7) Chloroethane	3.56	64	267665	9.610	ppbv 100
8) Dichlorotetrafluoroethane	3.18	85	1510208	8.895	ppbv 100
9) Propene	2.99	41	706851	8.919	ppbv 100
10) Heptane	8.18	43	1850255	8.953	ppbv 100
11) Trichlorofluoromethane	3.96	101	1587576	9.190	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1043710	9.089	ppbv 100
13) Ethanol	3.60	45	116335	7.530	ppbv 100
14) Bromoethene	3.74	108	453273	9.145	ppbv 100
15) Acetone	3.85	43	1358644	8.771	ppbv 100
16) 1,3-Butadiene	3.32	39	725428	9.290	ppbv 100
17) tert-Butyl alcohol	4.30	59	1030737	9.232	ppbv 100
18) 1,1-Dichloroethene	4.30	96	479109	9.184	ppbv 100
19) Isopropyl Alcohol	3.97	45	883174	8.519	ppbv 100
20) Methylene Chloride	4.36	84	428275	8.446	ppbv 100
21) Allyl Chloride	4.43	41	962826	9.475	ppbv 100
22) trans-1,2-Dichloroethene	4.91	96	480494	9.167	ppbv 100
23) Vinyl Acetate	5.10	43	2410975	9.249	ppbv 100
24) 1,1-Dichloroethane	5.04	63	1569560	9.035	ppbv 100
25) Ethyl Acetate	5.71	43	2898196	8.567	ppbv 100
26) Hexane	5.72	57	1231375	8.194	ppbv 100
27) Carbon Disulfide	4.56	76	1300292	9.639	ppbv 100
28) Methyl tert-Butyl Ether	5.06	73	1910666	8.769	ppbv 100
29) Chloroform	5.79	83	1821173	8.980	ppbv 100
30) Cyclohexane	7.18	84	949603	8.837	ppbv 100
31) cis-1,2-Dichloroethene	5.58	61	1344392	9.330	ppbv 100
32) 1,1,1-Trichloroethane	6.56	97	1740320	9.072	ppbv 100
34) 2-Butanone	5.27	43	2085382	9.574	ppbv 100
35) Carbon Tetrachloride	7.07	117	1720678	9.773	ppbv 100
36) Benzene	6.94	78	2286388	8.987	ppbv 100
37) 1,2-Dichloroethane	6.35	62	1648959	10.228	ppbv 100
38) Trichloroethene	7.90	130	772821	8.103	ppbv 100
39) 1,2-Dichloropropane	7.67	63	1027436	9.345	ppbv 100
40) 1,4-Dioxane	7.88	88	298759	7.500	ppbv # 100
41) Tetrahydrofuran	6.09	42	1250287	9.638	ppbv 100
42) Bromodichloromethane	7.85	83	2030708	9.842	ppbv 100
43) Methyl Methacrylate	8.07	69	1006584	9.577	ppbv 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	4180840	8.814	ppbv	100
45) t-1,3-Dichloropropene	9.35	75	1354310	10.903	ppbv	100
46) cis-1,3-Dichloropropene	8.77	75	1516340	10.043	ppbv	100
47) 1,1,2-Trichloroethane	9.55	97	915511	9.195	ppbv	100
48) Dibromochloromethane	10.38	129	1545275	10.261	ppbv	100
49) Bromoform	13.13	173	1293852	9.897	ppbv	100
50) 4-Methyl-2-Pentanone	8.80	43	3031935	9.143	ppbv	100
51) 2-Hexanone	10.20	43	2632111	9.204	ppbv #	100
52) Tetrachloroethene	11.30	164	715108	7.976	ppbv	100
53) Toluene	9.88	91	2543766	9.028	ppbv	100
54) 1,2-Dibromoethane	10.69	107	1386845	9.315	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.21	131	996527	9.465	ppbv	97
57) Chlorobenzene	12.23	112	1822182	8.695	ppbv	100
58) Ethyl Benzene	12.79	91	3456837	8.668	ppbv	100
59) m/p-Xylene	13.08	91	5590279m	17.180	ppbv	
60) o-Xylene	13.78	91	2779596	8.565	ppbv	100
61) Styrene	13.62	104	2137208	8.854	ppbv	100
62) Isopropylbenzene	14.76	105	3598117	8.519	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.76	83	2052112	7.745	ppbv	100
64) n-propylbenzene	15.65	120	960702	9.070	ppbv	100
65) tert-Butylbenzene	16.84	119	3068701	8.400	ppbv	100
66) Benzyl Chloride	17.09	91	1537502	11.638	ppbv	100
67) sec-Butylbenzene	17.39	105	4421866	8.405	ppbv	100
69) p-Isopropyltoluene	17.75	119	3606923	8.565	ppbv	100
70) n-Butylbenzene	18.64	91	4116655	8.555	ppbv	100
71) 2-Chlorotoluene	15.55	91	3005670	8.708	ppbv	100
72) 4-Ethyltoluene	15.93	105	3234007	8.819	ppbv	100
73) 1,3,5-Trimethylbenzene	16.09	105	3075349	8.631	ppbv	100
74) 1,2,4-Trimethylbenzene	16.86	105	3088159	8.388	ppbv	100
75) 1,3-Dichlorobenzene	17.09	146	1684845	8.635	ppbv	100
76) 1,4-Dichlorobenzene	17.24	146	1746042	8.557	ppbv	100
77) 1,2-Dichlorobenzene	17.92	146	1709744	8.571	ppbv	100
78) Hexachloro-1,3-Butadiene	23.47	225	1052809	7.819	ppbv	100
79) Naphthalene	22.32	128	2839304	8.621	ppbv	100
80) Naphthalene, 2-methyl-	25.06	142	1560389	13.989	ppbv	100
81) 1,2,4-Trichlorobenzene	22.05	180	1534543	8.525	ppbv	100

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

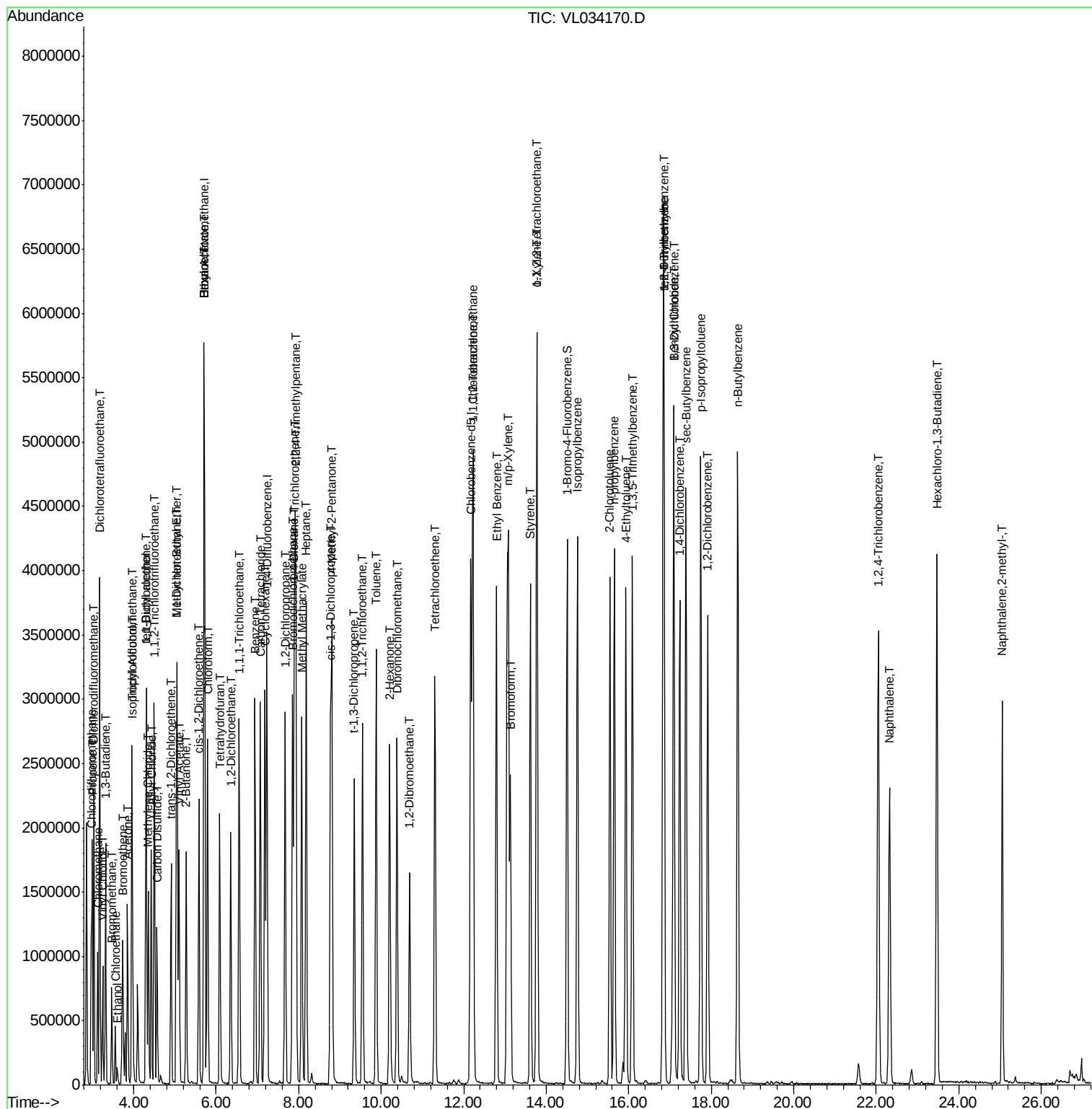
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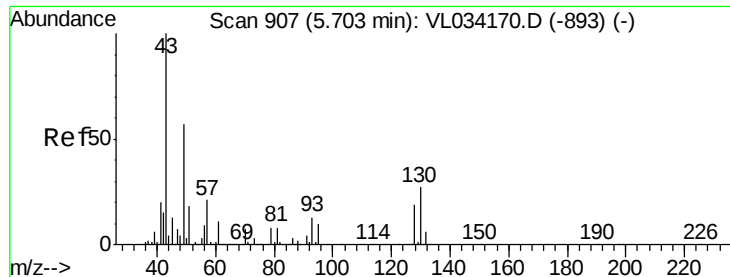
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QLast Update : Tue Sep 17 05:58:04 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 907

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 49 Resp: 1282794

Ion Ratio Lower Upper

49 100

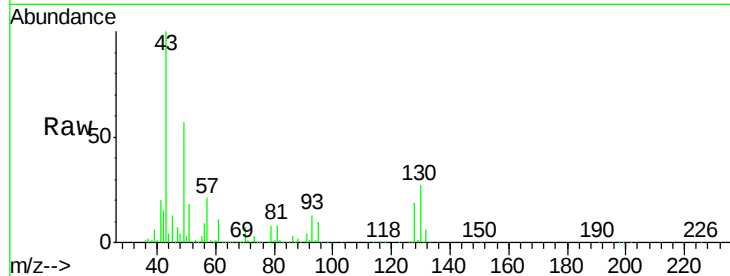
128 35.3 17.6 52.9

130 44.6 22.3 66.9

Manual Integrations
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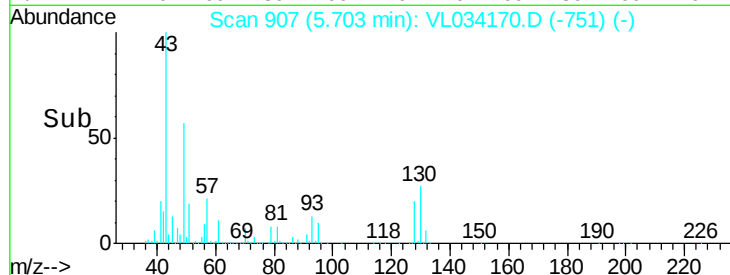


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

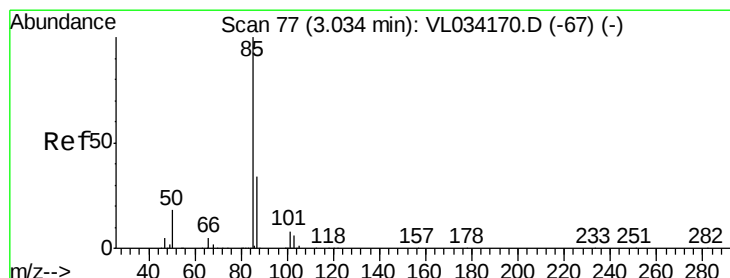
Ion 130.00 (129.70 to 130.70): VL0

Time-->



5.70

Time-->



#2

Dichlorodifluoromethane

Concen: 7.697 ppbv

RT: 3.03 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL034170.D

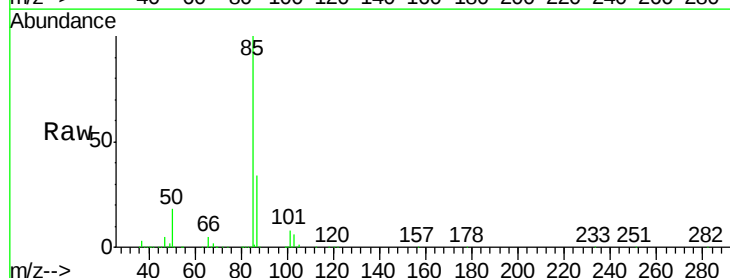
Acq: 17 Sep 2019 4:10

Tgt Ion: 85 Resp: 1566143

Ion Ratio Lower Upper

85 100

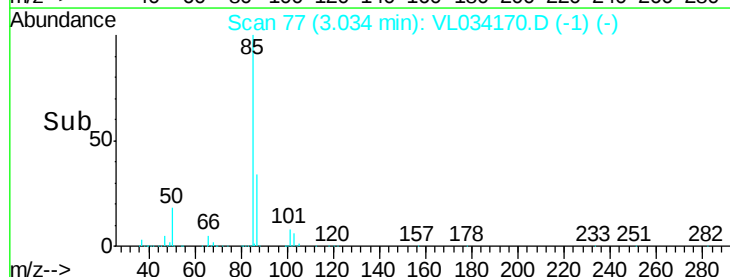
87 34.0 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

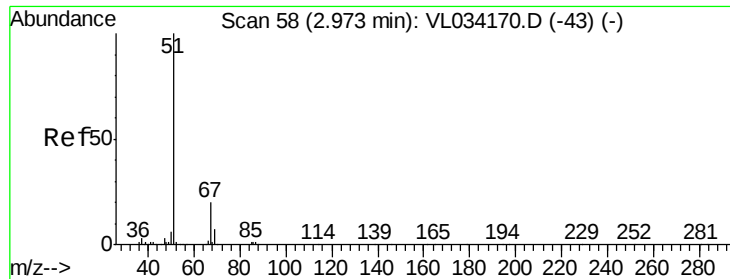
Ion 87.00 (86.70 to 87.70): VL0

Time-->



3.03

Time-->



#3

Chlorodifluoromethane

Concen: 9.659 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Tot Ion: 51 Resp: 1401136

Ion Ratio Lower Upper

51 100

67 18.5 14.8 22.2

Instrument :

MSVOA_L

ClientSampleId :

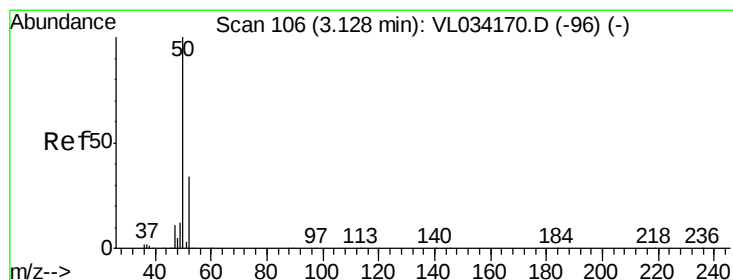
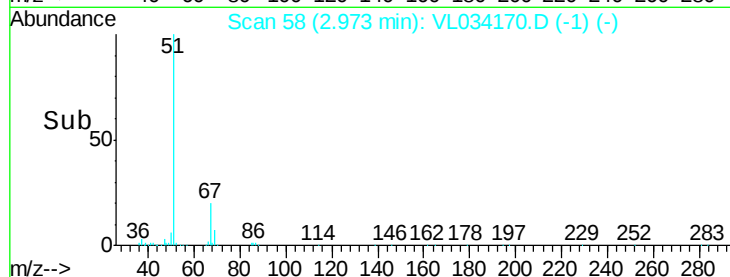
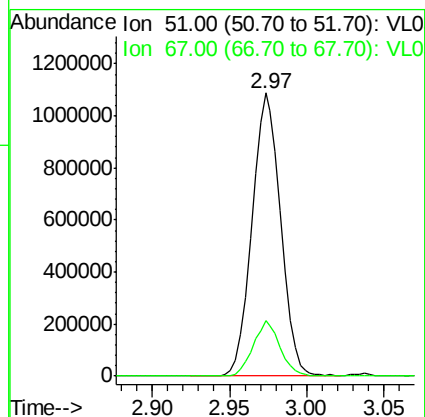
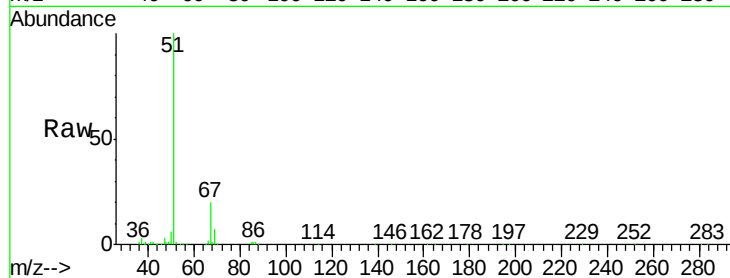
VSTDICCC010

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#4

Chloromethane

Concen: 9.339 ppbv

RT: 3.13 min Scan# 106

Delta R.T. 0.00 min

Lab File: VL034170.D

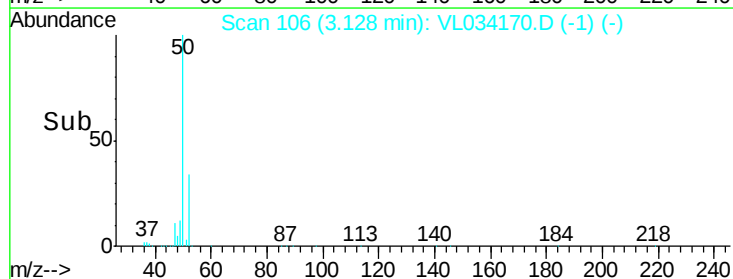
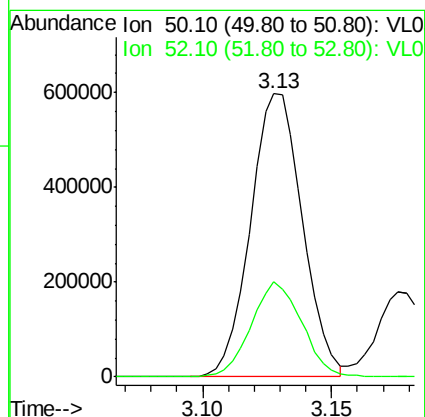
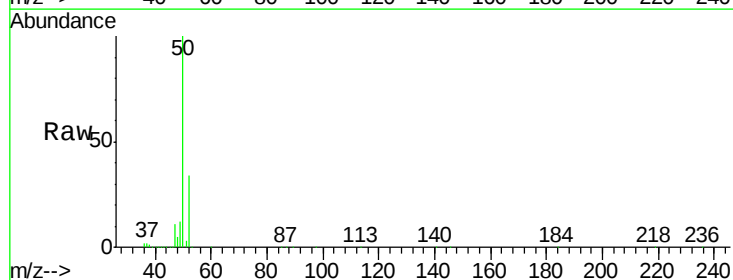
Acq: 17 Sep 2019 4:10

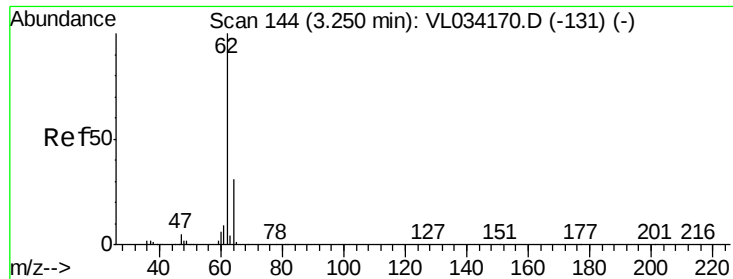
Tgt Ion: 50 Resp: 834469

Ion Ratio Lower Upper

50 100

52 33.9 27.1 40.7





#5

Vinyl Chloride

Concen: 9.037 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 736257

Ion Ratio Lower Upper

62 100

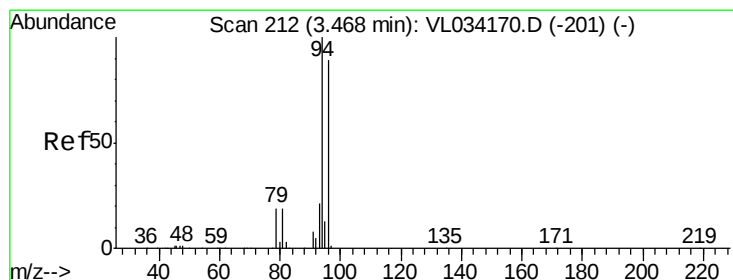
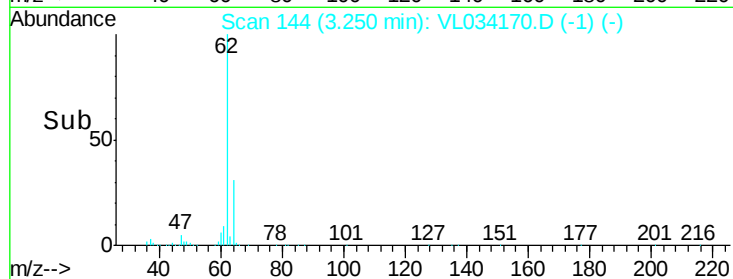
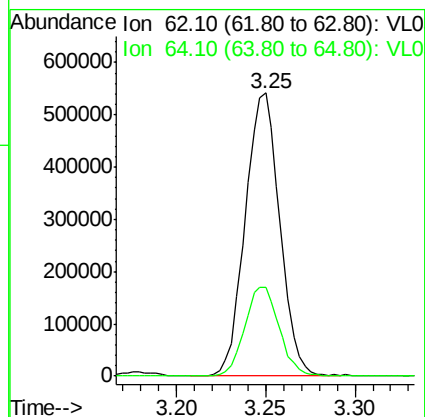
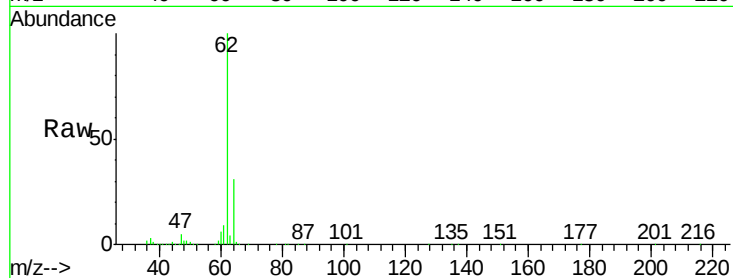
64 31.5 25.2 37.8

Manual Integrations

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#6

Bromomethane

Concen: 9.078 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL034170.D

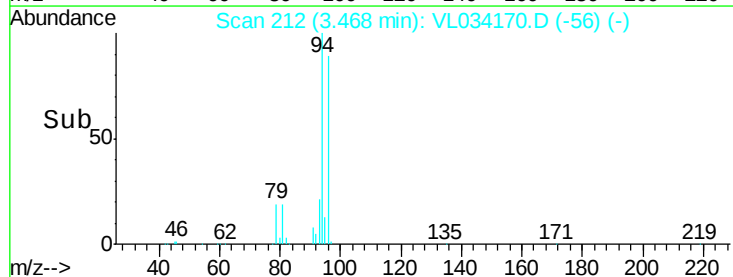
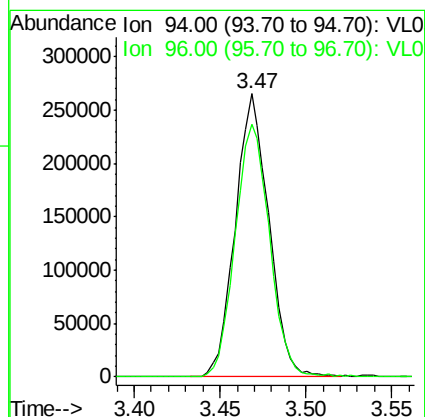
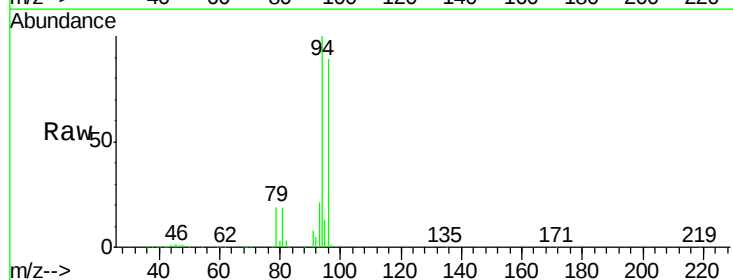
Acq: 17 Sep 2019 4:10

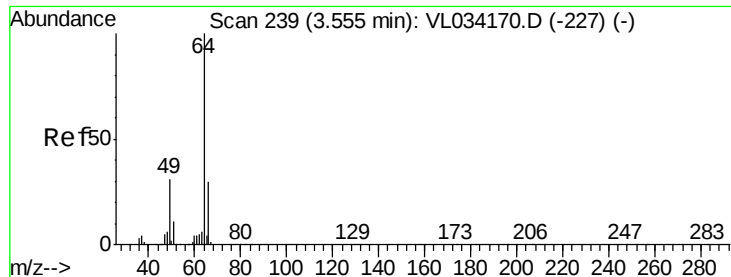
Tgt Ion: 94 Resp: 360896

Ion Ratio Lower Upper

94 100

96 89.1 71.3 106.9





#7

Chloroethane

Concen: 9.610 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

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ClientSampleId :

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Tot Ion: 64 Resp: 267665

Ion Ratio Lower Upper

64 100

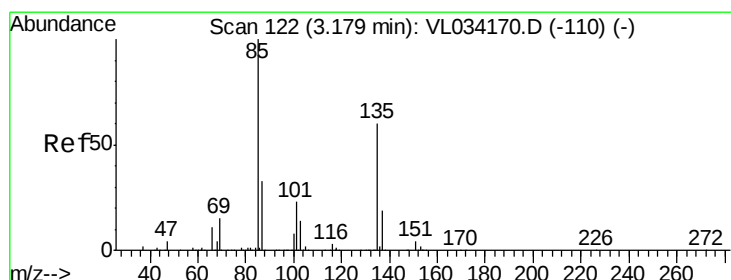
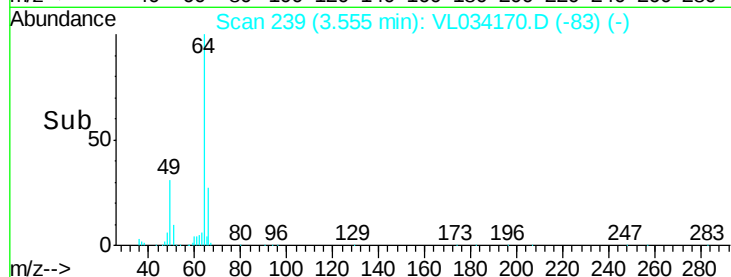
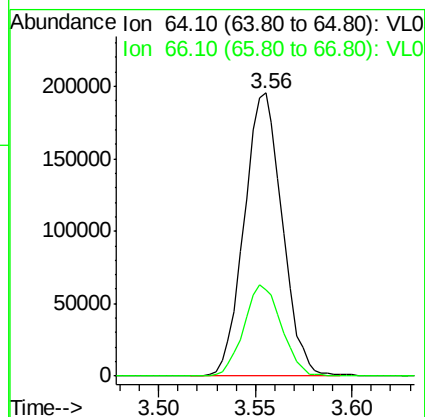
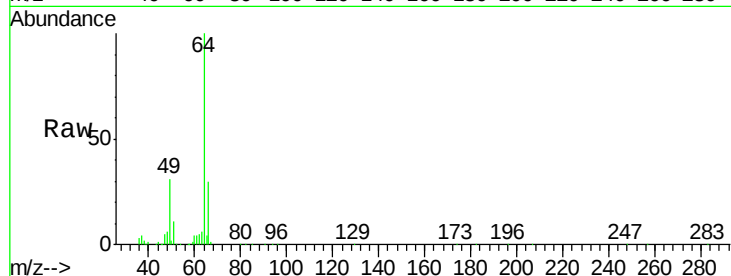
66 30.3 24.2 36.4

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.895 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL034170.D

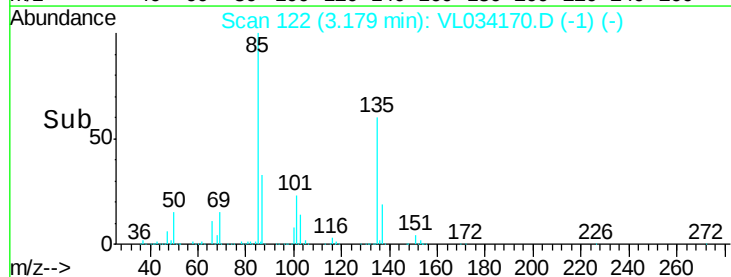
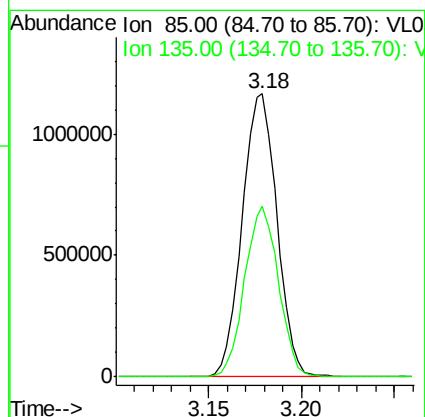
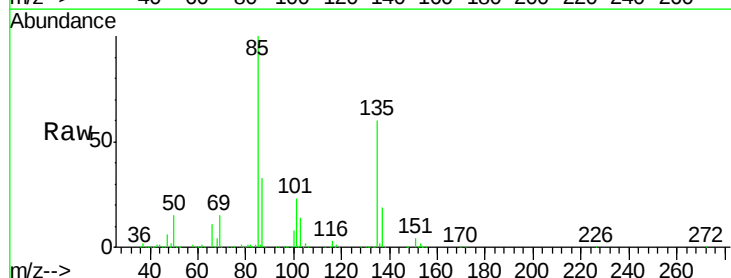
Acq: 17 Sep 2019 4:10

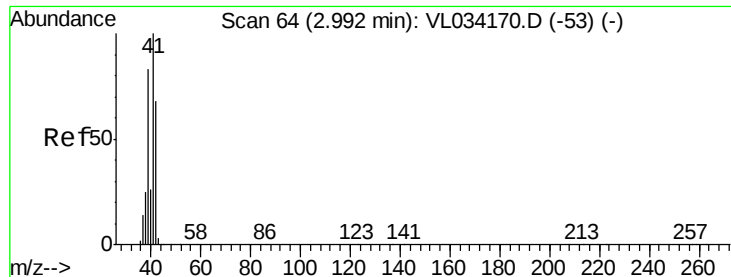
Tgt Ion: 85 Resp: 1510208

Ion Ratio Lower Upper

85 100

135 59.1 47.3 70.9





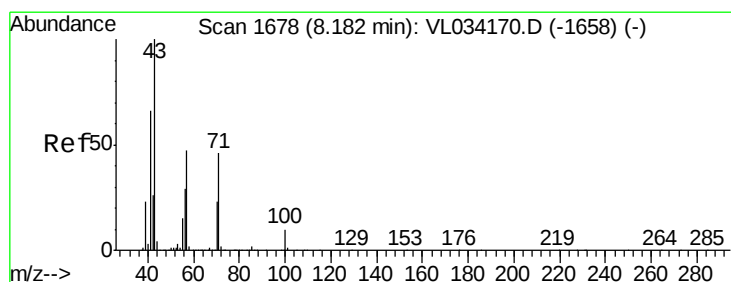
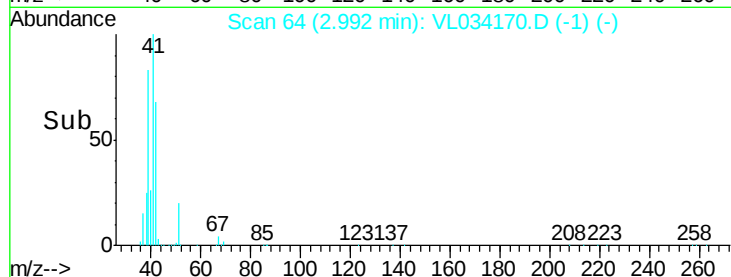
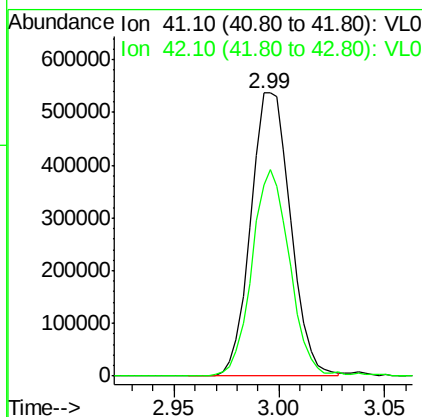
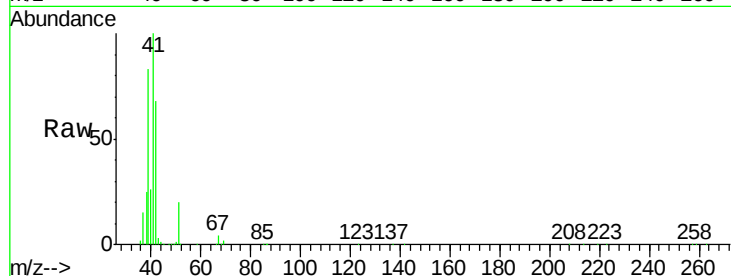
#9
 Propene
 Concen: 8.919 ppbv
 RT: 2.99 min Scan# 64
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Instrument :
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 ClientSampleId :
 VSTDICCC010

Tot Ion: 41 Resp: 706851
 Ion Ratio Lower Upper
 41 100
 42 69.7 55.8 83.6

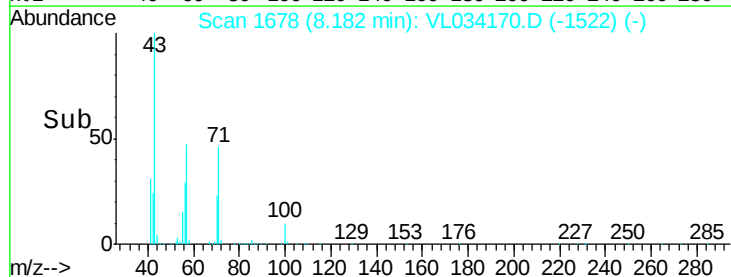
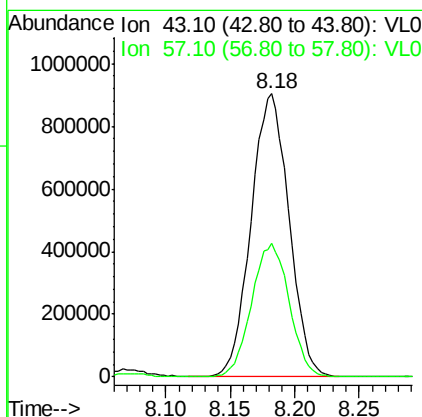
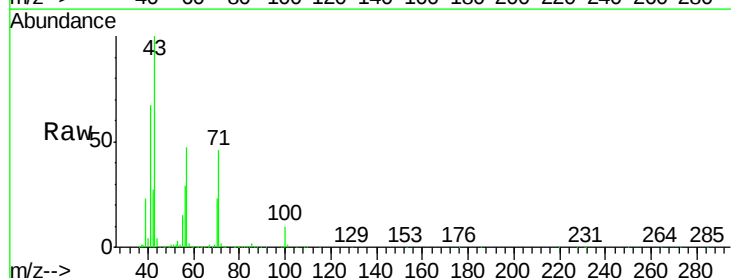
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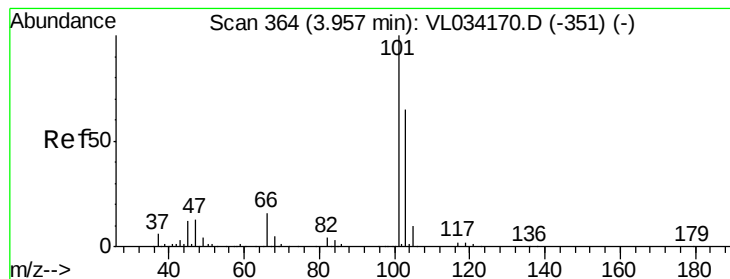
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#10
 Heptane
 Concen: 8.953 ppbv
 RT: 8.18 min Scan# 1678
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Tgt Ion: 43 Resp: 1850255
 Ion Ratio Lower Upper
 43 100
 57 46.8 37.5 56.3





#11

Trichlorofluoromethane

Concen: 9.190 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:101 Resp: 1587576

Ion Ratio Lower Upper

101 100

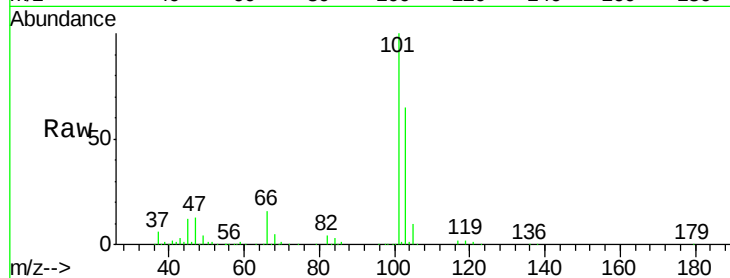
103 65.1 52.1 78.1

Manual Integrations

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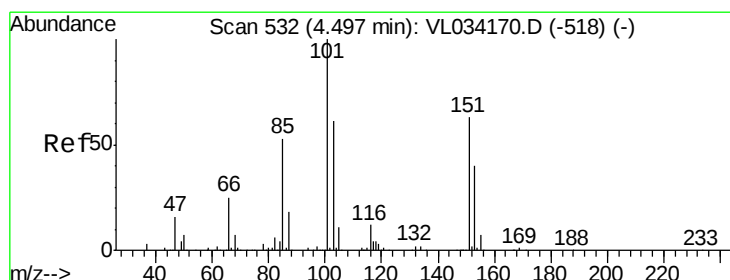
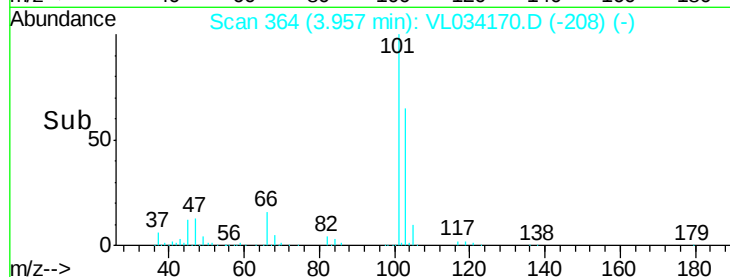
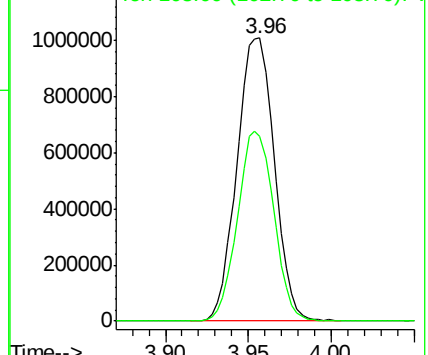
MMDadoda

9/20/2019 12:43:52 AM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.089 ppbv

RT: 4.50 min Scan# 532

Delta R.T. 0.00 min

Lab File: VL034170.D

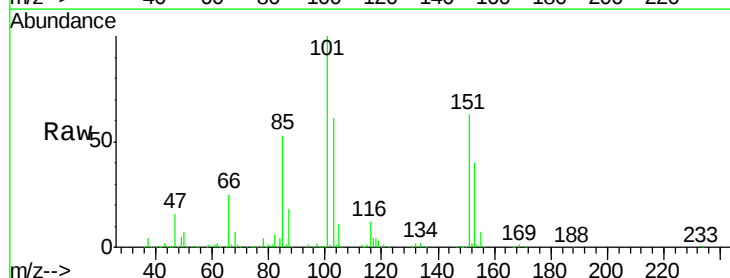
Acq: 17 Sep 2019 4:10

Tgt Ion:101 Resp: 1043710

Ion Ratio Lower Upper

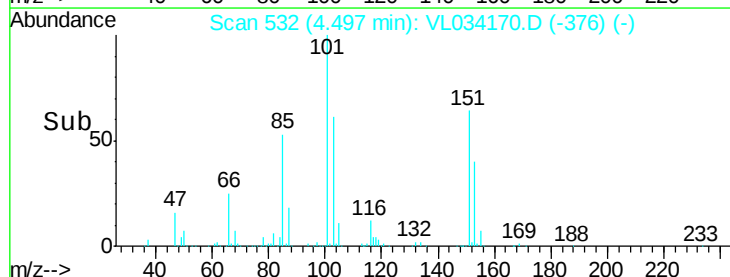
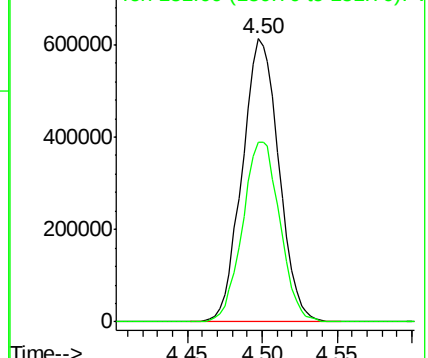
101 100

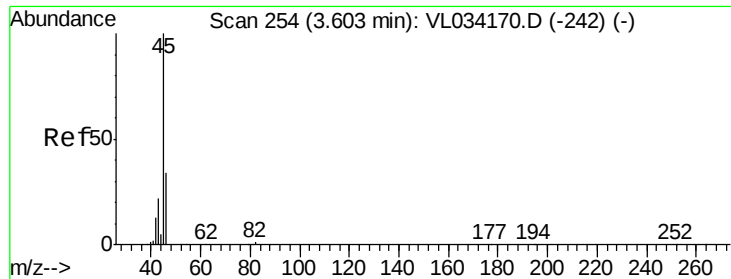
151 64.8 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





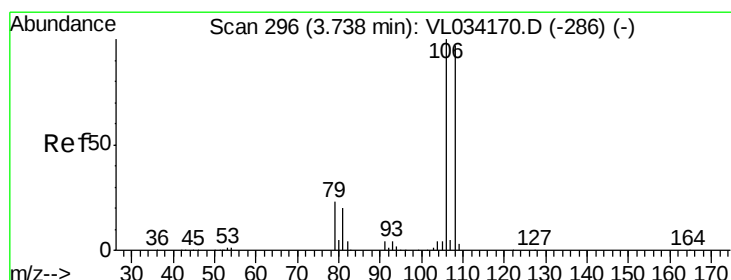
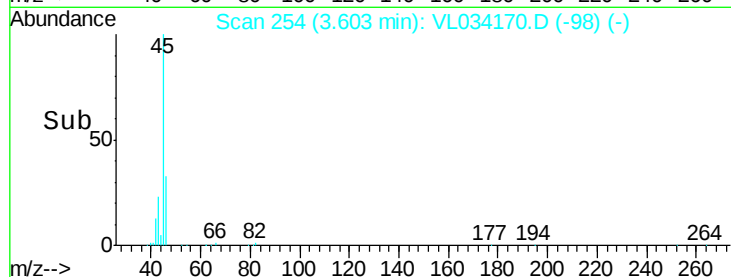
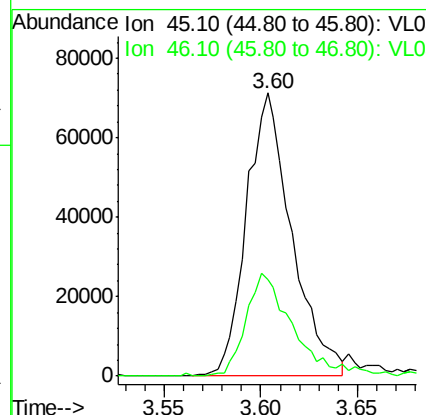
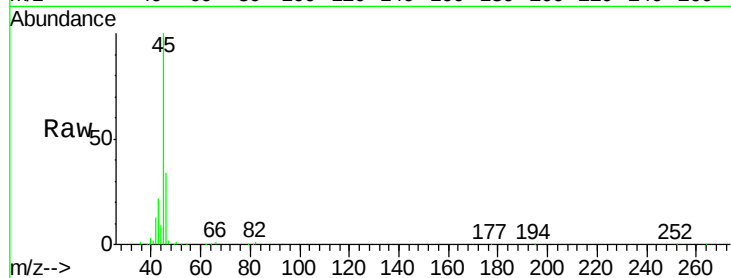
#13
Ethanol
Concen: 7.530 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	38.7	15.5	61.9

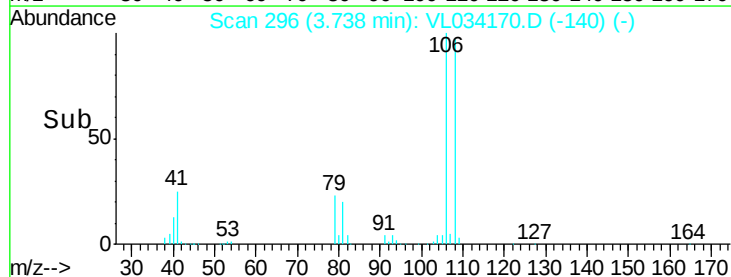
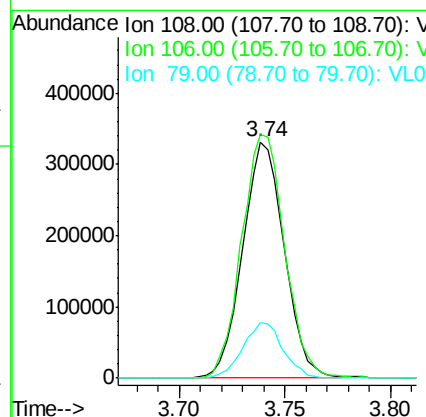
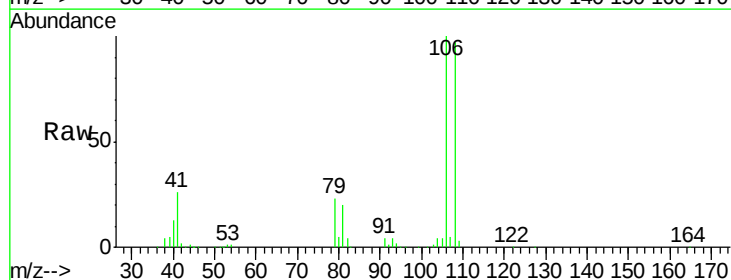
Manual Integrations
APPROVED

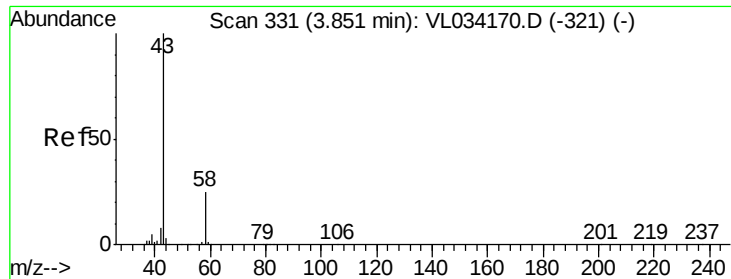
MMDadoda
9/20/2019 12:43:52 AM



#14
Bromoethene
Concen: 9.145 ppbv
RT: 3.74 min Scan# 296
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Tgt Ion	Ratio	Lower	Upper
108	100		
106	107.7	86.2	129.4
79	23.2	18.6	27.8





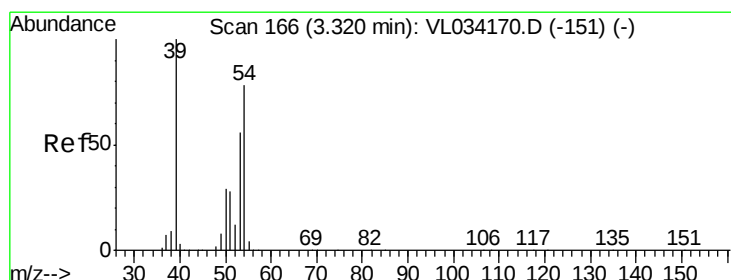
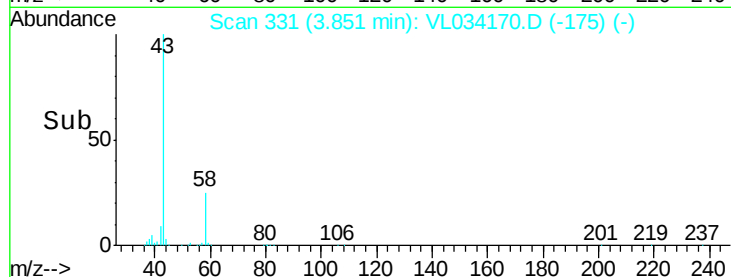
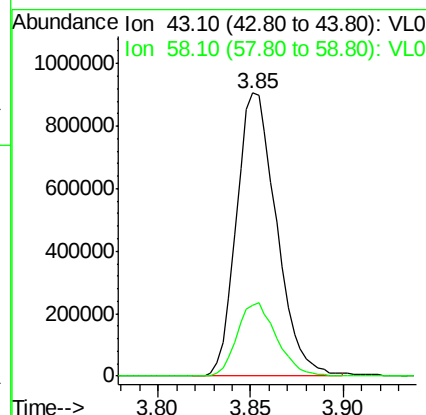
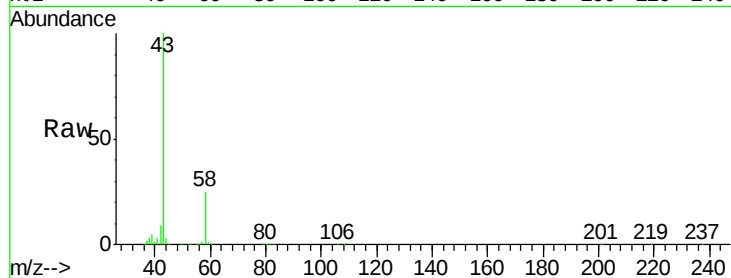
#15
Acetone
Concen: 8.771 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 1358644
Ion Ratio Lower Upper
43 100
58 25.6 20.5 30.7

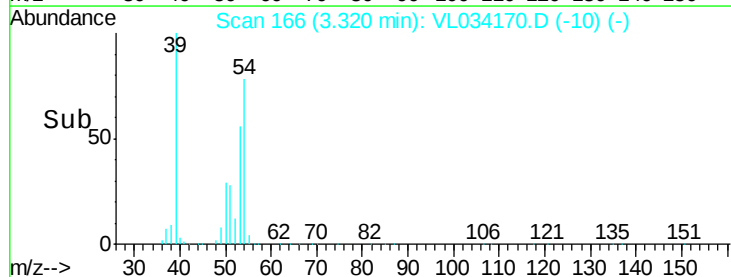
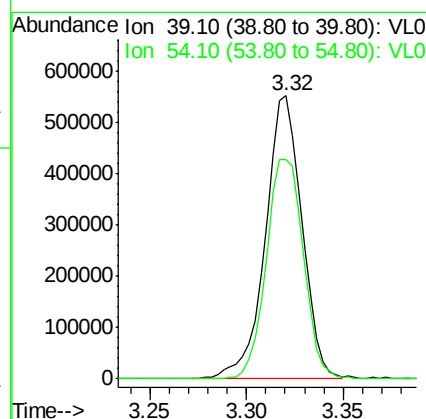
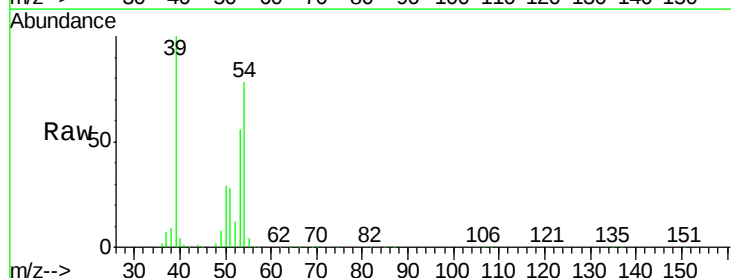
Manual Integrations
APPROVED

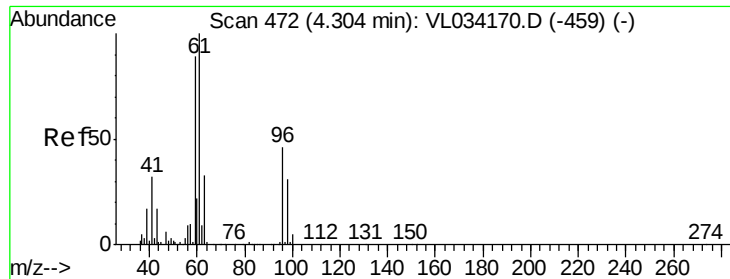
MMDadoda
9/20/2019 12:43:52 AM



#16
1,3-Butadiene
Concen: 9.290 ppbv
RT: 3.32 min Scan# 166
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Tgt Ion: 39 Resp: 725428
Ion Ratio Lower Upper
39 100
54 79.2 63.4 95.0





#17

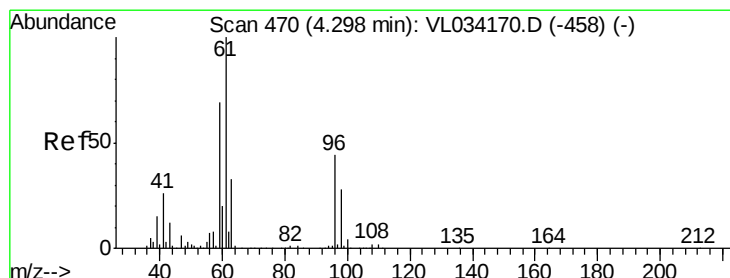
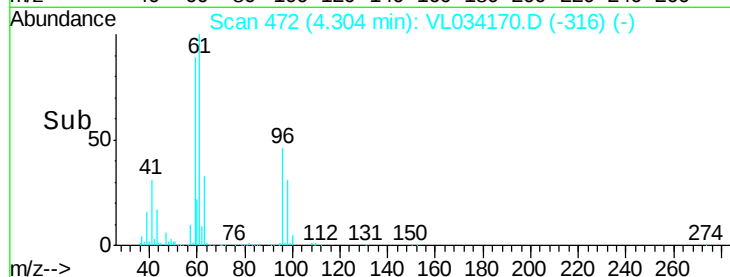
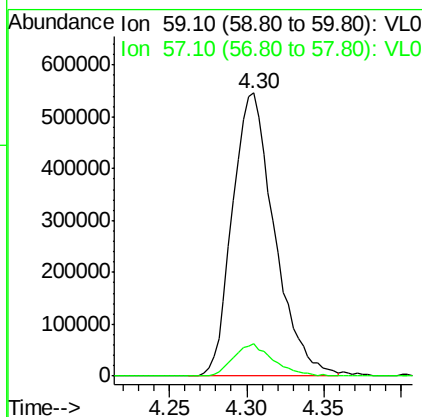
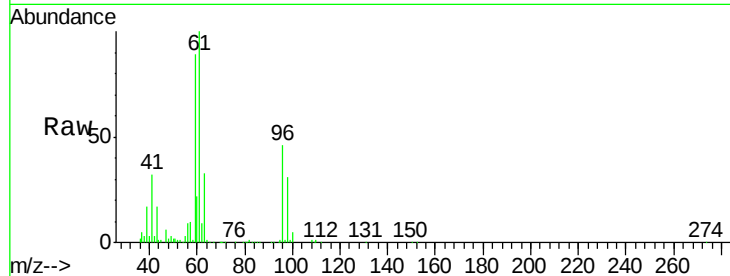
tert-Butyl alcohol
Concen: 9.232 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 59 Resp: 1030737
Ion Ratio Lower Upper
59 100
57 10.9 8.7 13.1

Manual Integrations
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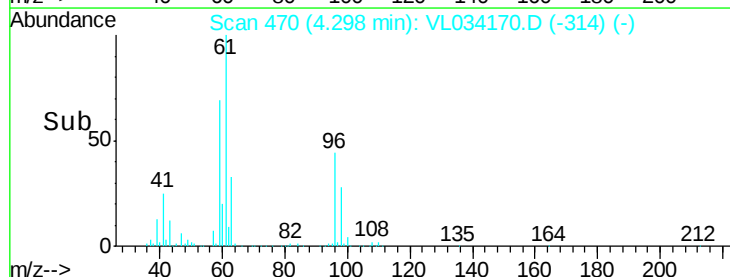
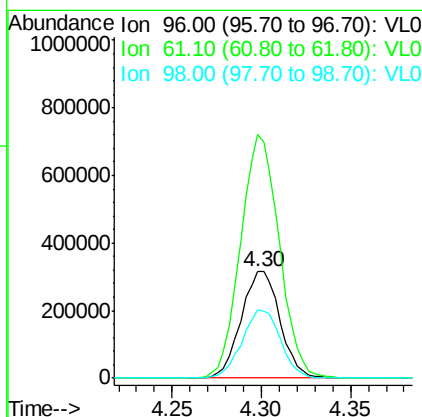
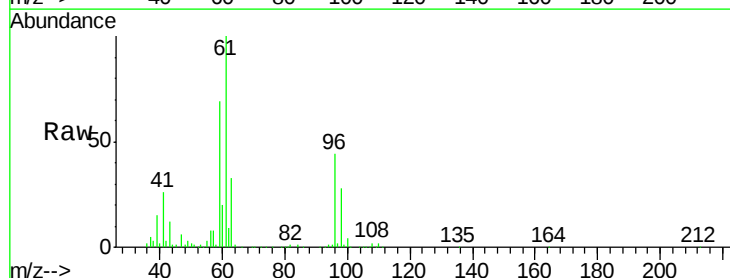
MMDadoda
9/20/2019 12:43:52 AM

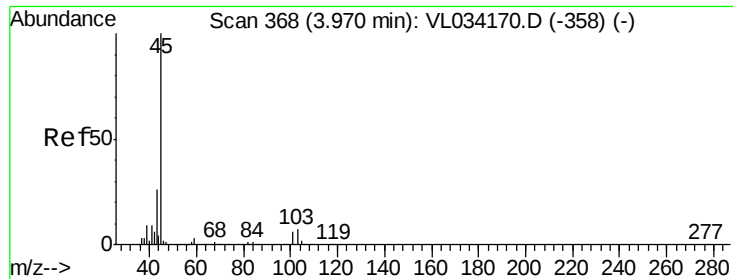


#18

1,1-Dichloroethene
Concen: 9.184 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Tgt Ion: 96 Resp: 479109
Ion Ratio Lower Upper
96 100
61 229.1 183.3 274.9
98 64.3 51.4 77.2





#19

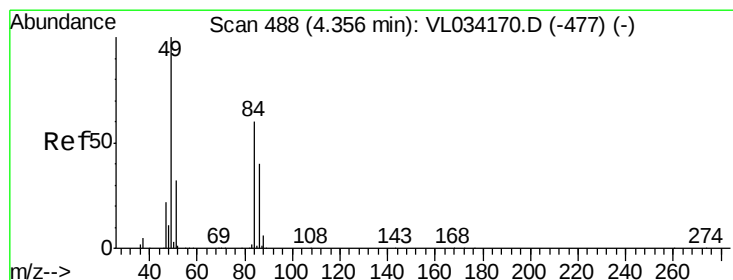
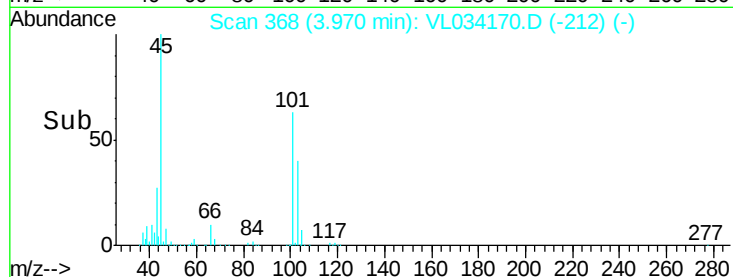
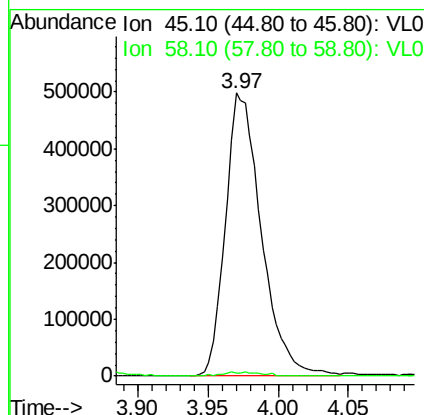
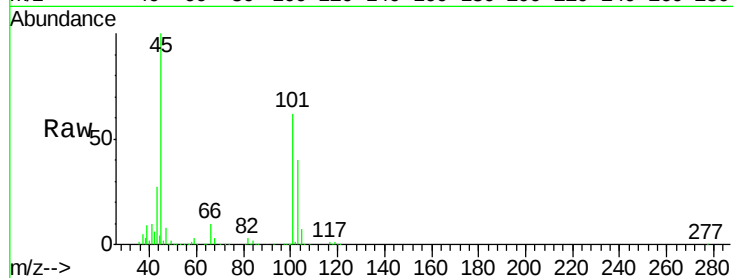
Isopropyl Alcohol
 Concen: 8.519 ppbv
 RT: 3.97 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDICCC010

Tot Ion	45	Resp	883174
Ion Ratio	100	Lower	Upper
45	100		
58	1.7	1.4	2.0

Manual Integrations
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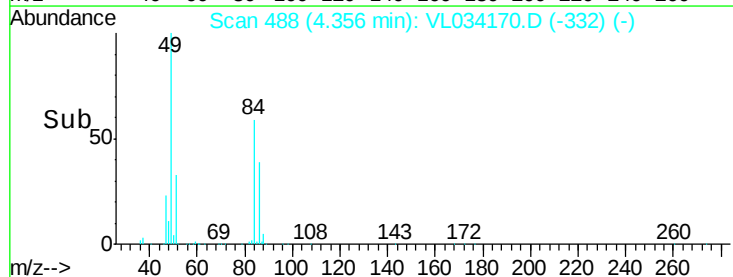
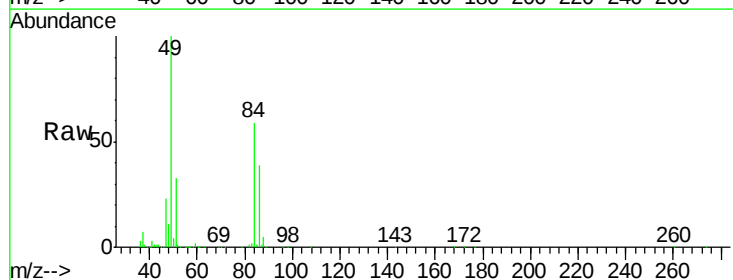
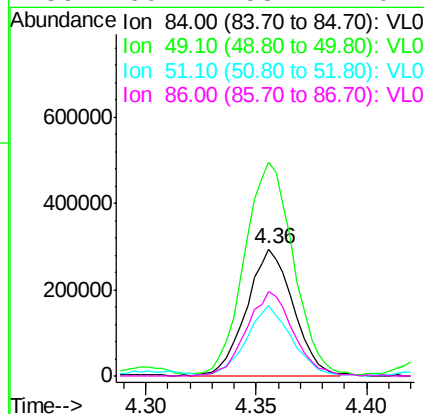
MMDadoda
 9/20/2019 12:43:52 AM

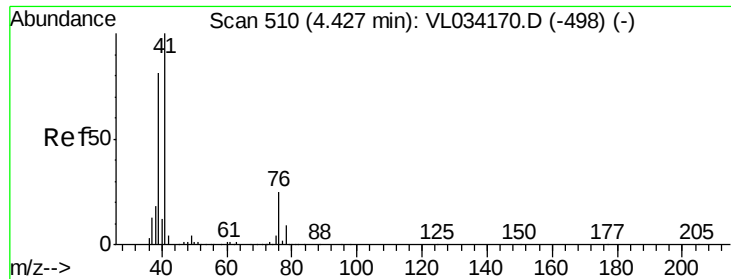


#20

Methylene Chloride
 Concen: 8.446 ppbv
 RT: 4.36 min Scan# 488
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Tgt Ion	84	Resp	428275
Ion Ratio	100	Lower	Upper
84	100		
49	167.3	133.8	200.8
51	54.5	43.6	65.4
86	66.4	53.1	79.7





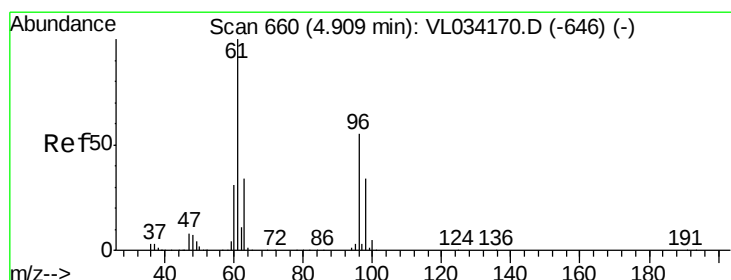
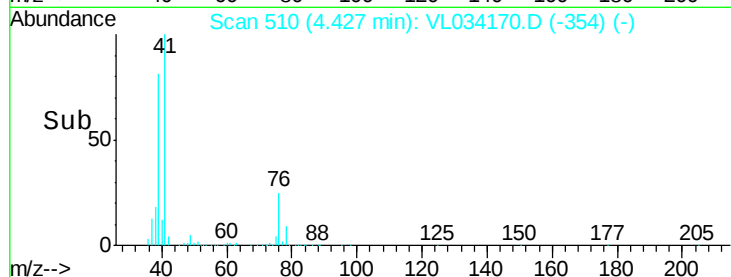
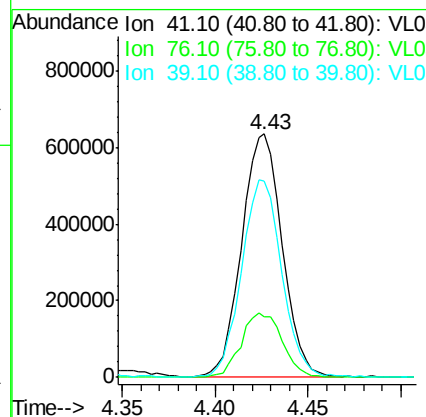
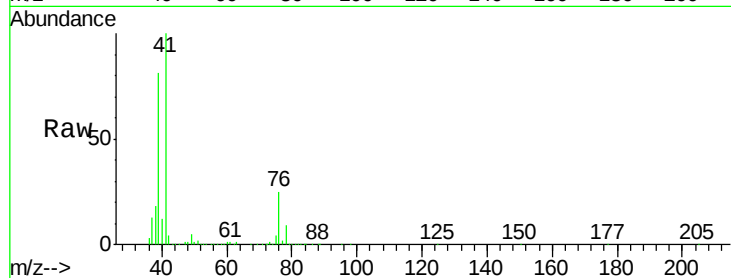
#21
Allvl Chloride
Concen: 9.475 ppbv
RT: 4.43 min Scan# 510
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	27.2	21.8	32.6
39	81.0	64.8	97.2

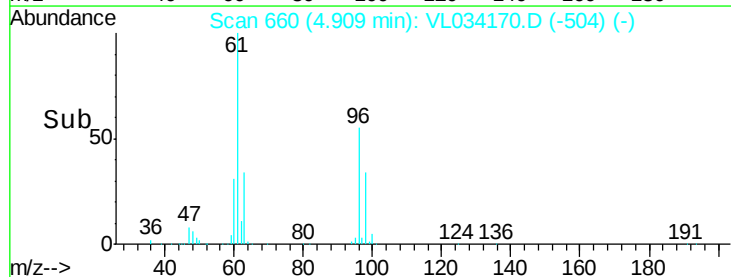
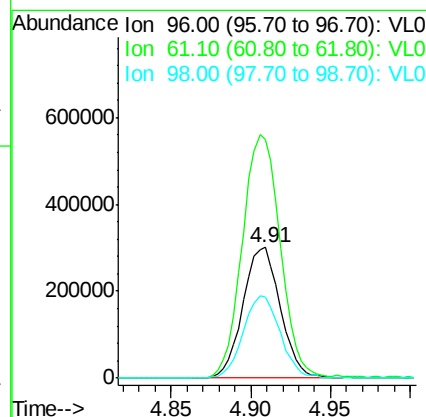
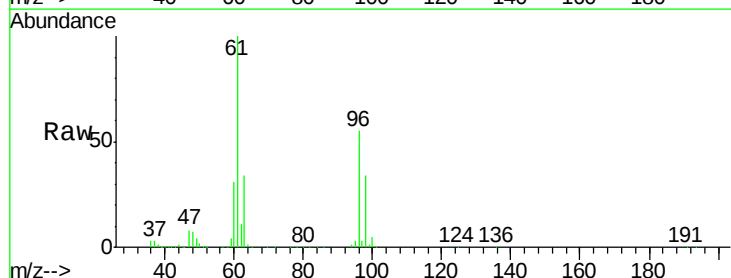
Manual Integrations
APPROVED

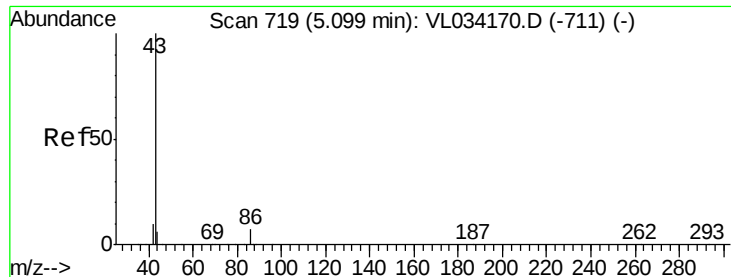
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 9.167 ppbv
RT: 4.91 min Scan# 660
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.9	145.5	218.3
98	62.4	49.9	74.9





#23

Vinyl Acetate

Concen: 9.249 ppbv

RT: 5.10 min Scan# 719

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 2410975

Ion Ratio Lower Upper

43 100

86 6.4 5.1 7.7

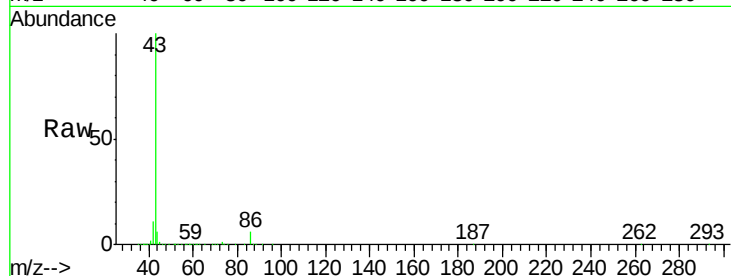
42 10.7 8.6 12.8

44 5.9 4.7 7.1

Manual Integrations
APPROVED

MMDadoda

9/20/2019 12:43:52 AM

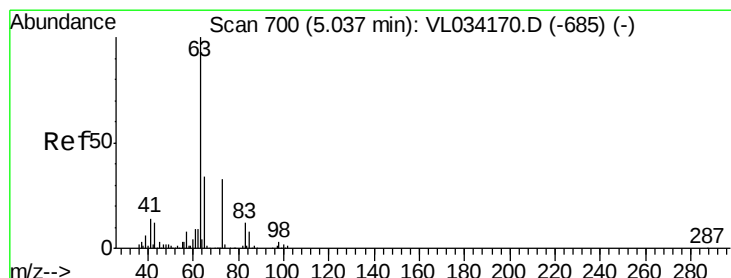
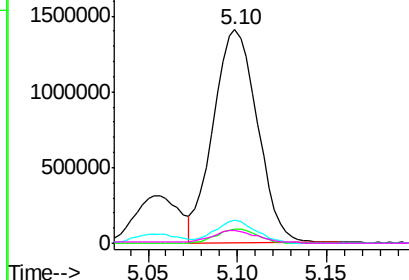
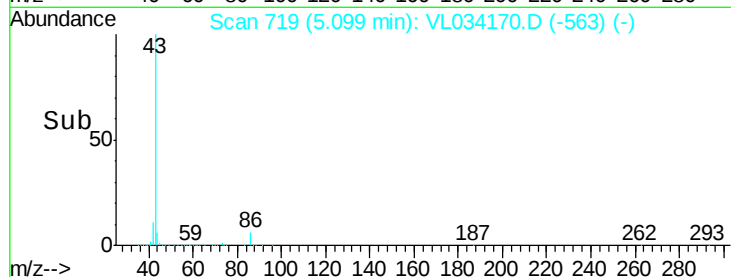


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.035 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

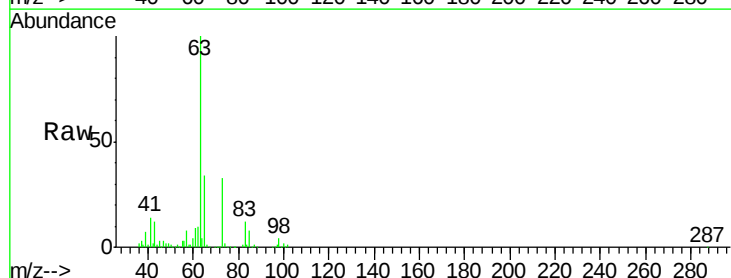
Tgt Ion: 63 Resp: 1569560

Ion Ratio Lower Upper

63 100

98 3.5 1.8 5.3

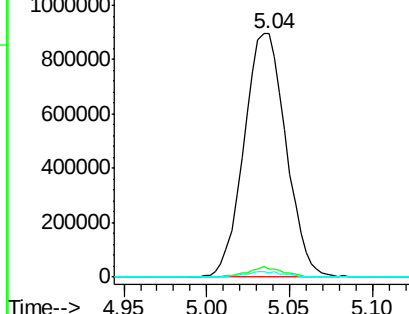
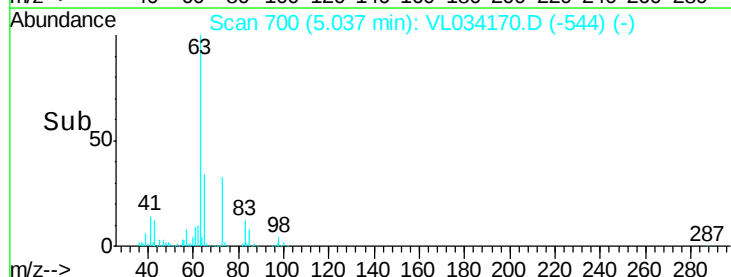
100 2.0 1.0 3.0

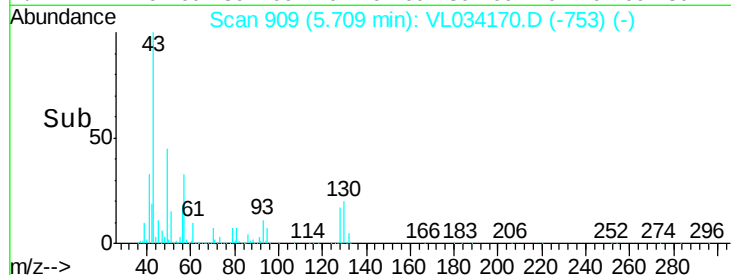
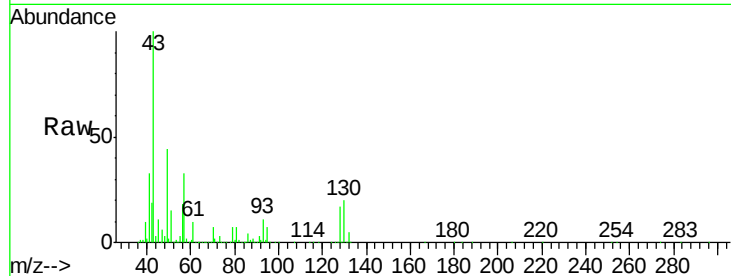
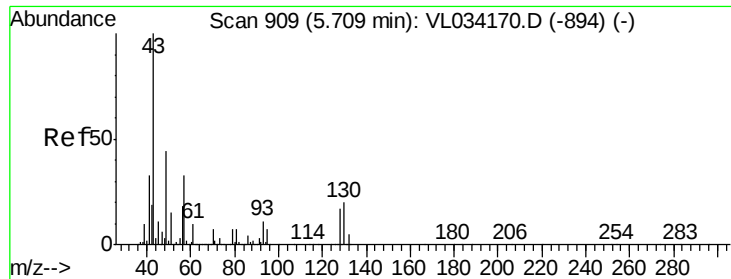


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 8.567 ppbv

RT: 5.71 min Scan# 909

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Tot Ion: 43 Resp: 2898196

Ion Ratio Lower Upper

43 100

45 10.5 8.4 12.6

61 8.9 7.2 10.8

70 6.6 5.3 7.9

Instrument :

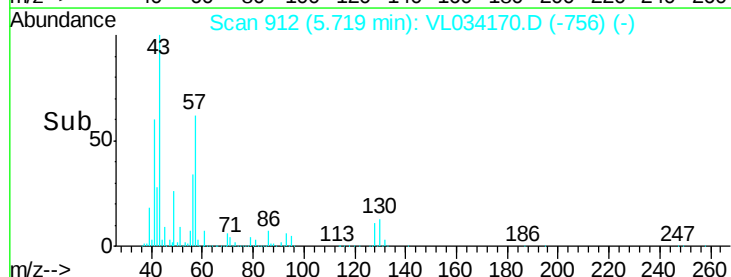
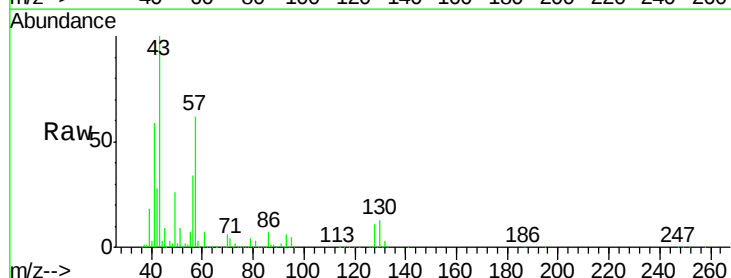
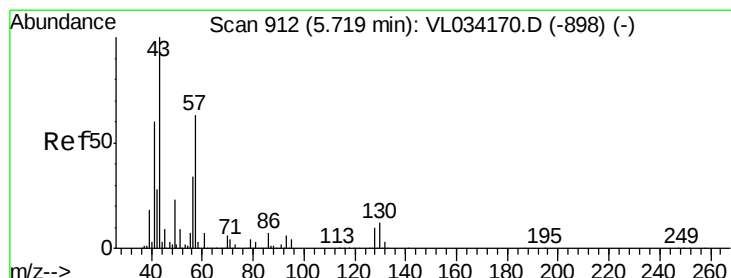
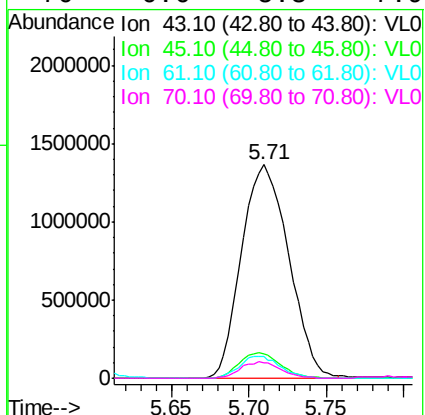
MSVOA_L

ClientSampleId :

VSTDICCC010

Manual Integrations
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#26

Hexane

Concen: 8.194 ppbv

RT: 5.72 min Scan# 912

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Tgt Ion: 57 Resp: 1231375

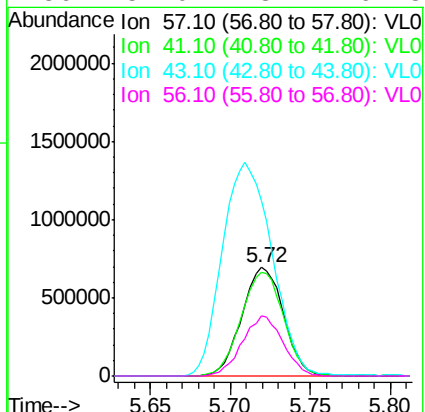
Ion Ratio Lower Upper

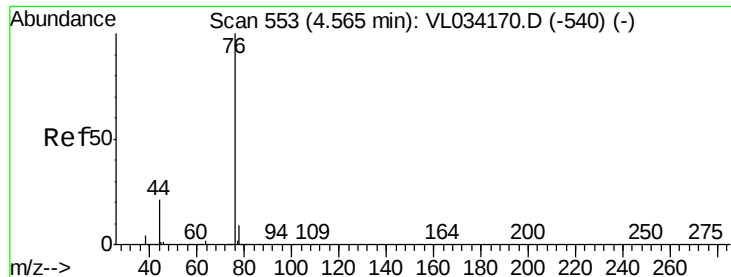
57 100

41 97.9 78.5 117.7

43 237.3 189.5 284.3

56 54.0 43.2 64.8





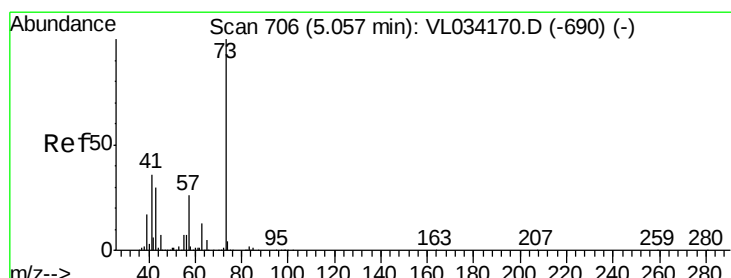
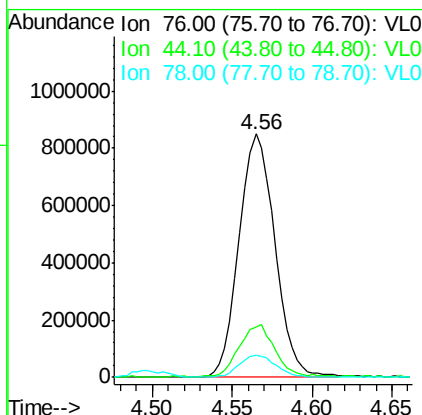
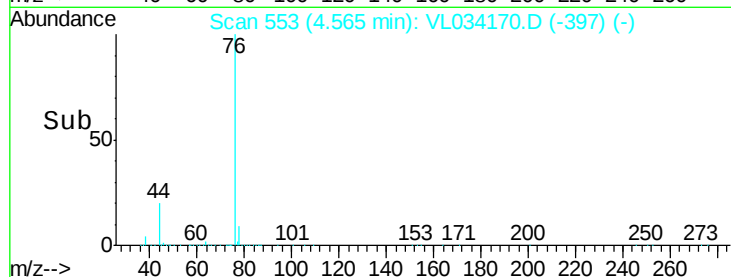
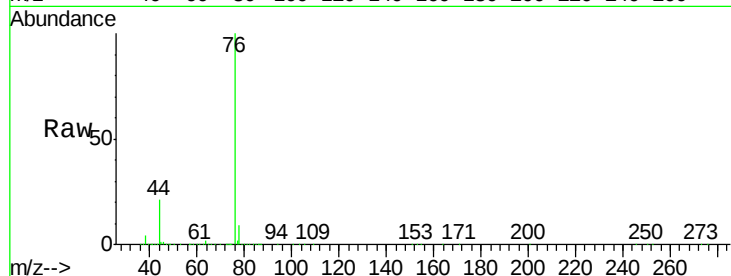
#27
Carbon Disulfide
Concen: 9.639 ppbv
RT: 4.56 min Scan# 553
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
76	100		
44	22.0	17.6	26.4
78	9.5	7.6	11.4

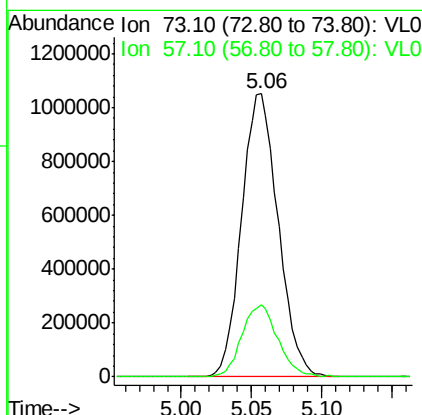
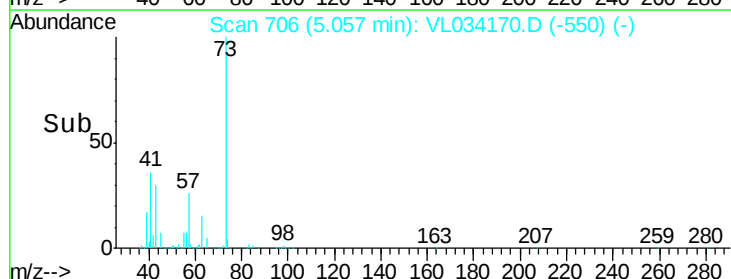
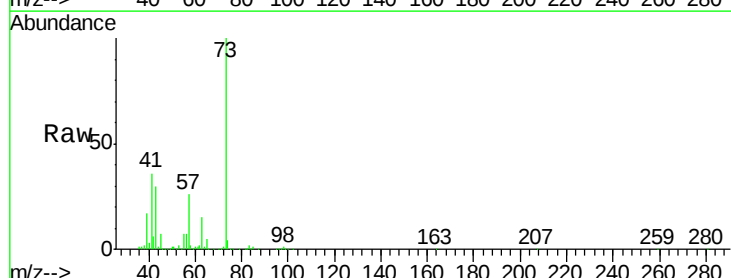
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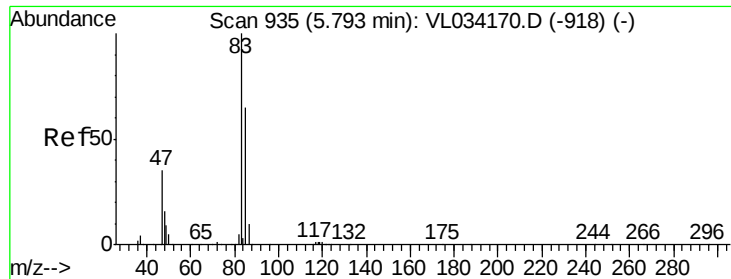
MMDadoda
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#28
Methyl tert-Butyl Ether
Concen: 8.769 ppbv
RT: 5.06 min Scan# 706
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Tgt Ion	Ratio	Lower	Upper
73	100		
57	25.2	20.2	30.2





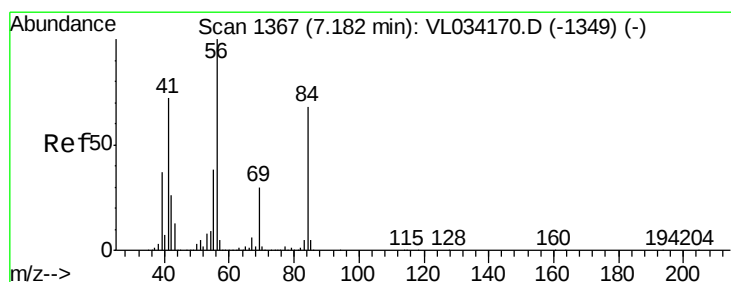
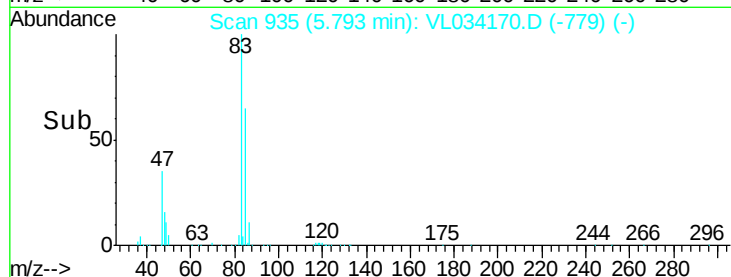
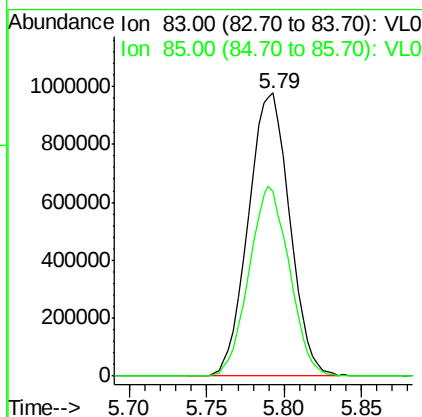
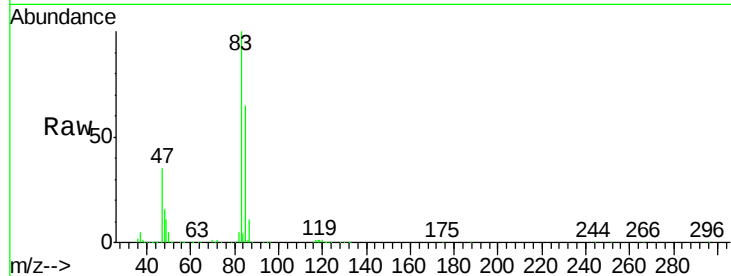
#29
Chloroform
Concen: 8.980 ppbv
RT: 5.79 min Scan# 935
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Instrument :
MSVOA_L
ClientSampled :
VSTDICCC010

Tot Ion: 83 Resp: 1821173
Ion Ratio Lower Upper
83 100
85 65.4 52.3 78.5

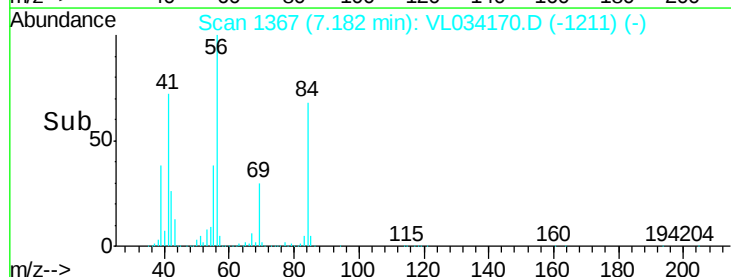
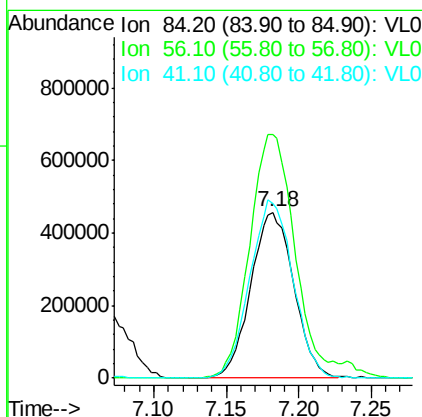
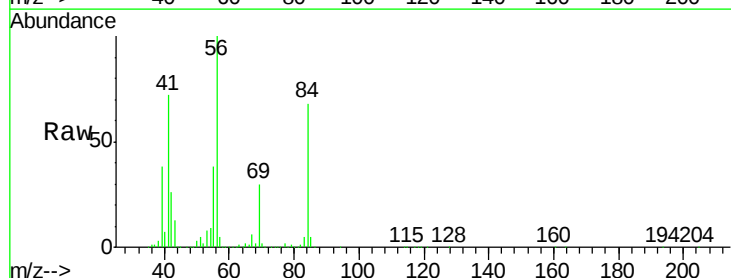
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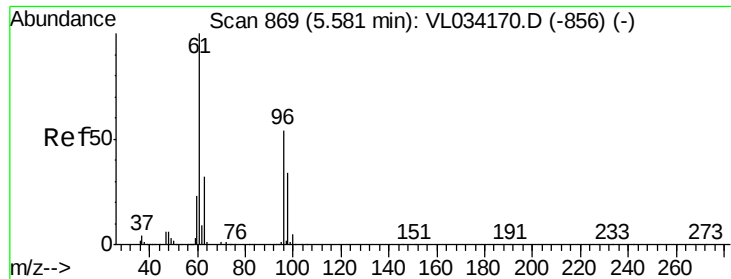
MMDadoda
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#30
Cyclohexane
Concen: 8.837 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Tgt Ion: 84 Resp: 949603
Ion Ratio Lower Upper
84 100
56 157.7 126.2 189.2
41 107.3 85.8 128.8





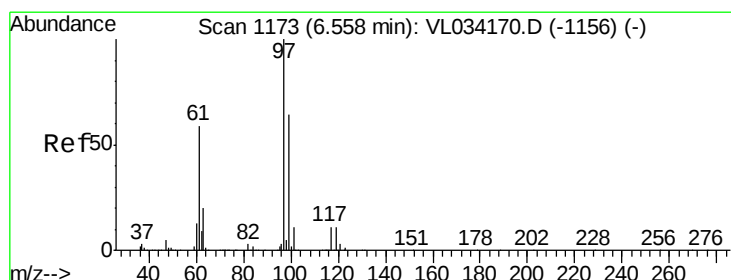
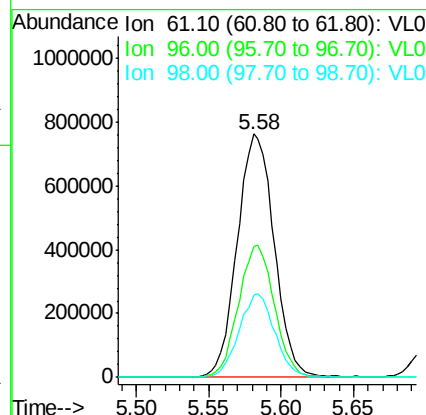
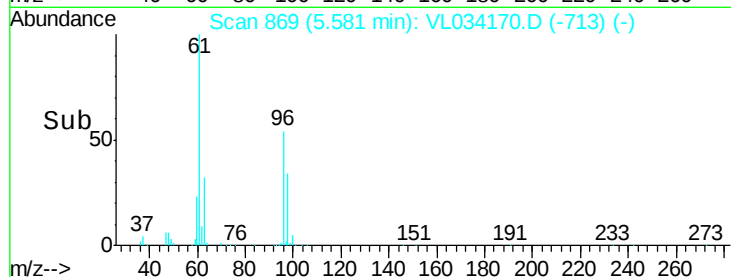
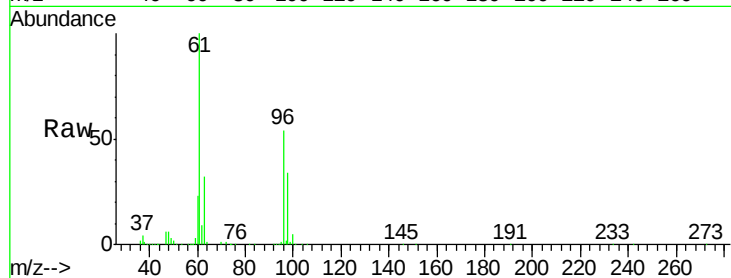
#31
 cis-1,2-Dichloroethene
 Concen: 9.330 ppbv
 RT: 5.58 min Scan# 869
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDICCC010

Tot Ion: 61 Resp: 1344392
 Ion Ratio Lower Upper
 61 100
 96 53.7 43.0 64.4
 98 34.0 27.2 40.8

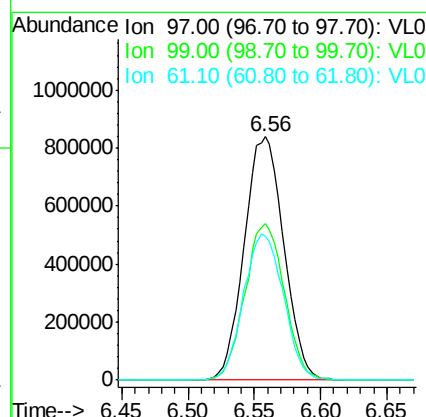
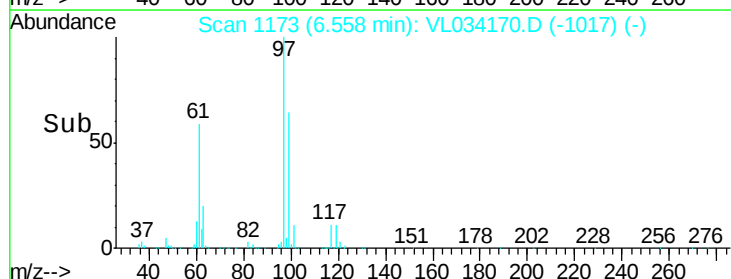
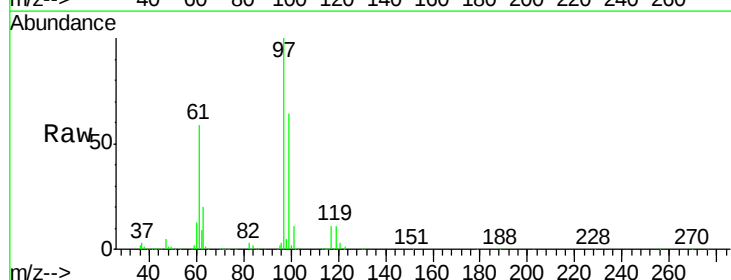
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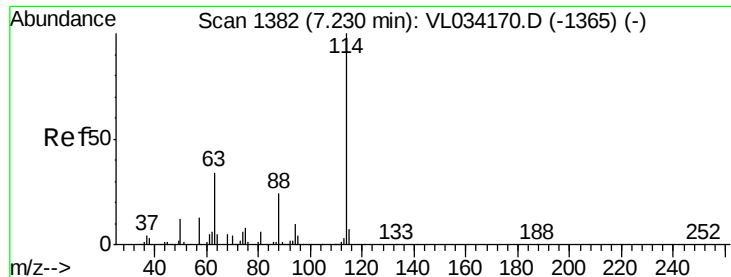
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#32
 1,1,1-Trichloroethane
 Concen: 9.072 ppbv
 RT: 6.56 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Tgt Ion: 97 Resp: 1740320
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.4 77.2
 61 60.5 48.4 72.6





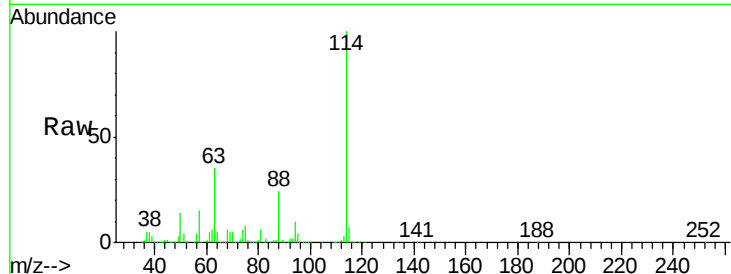
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.23 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

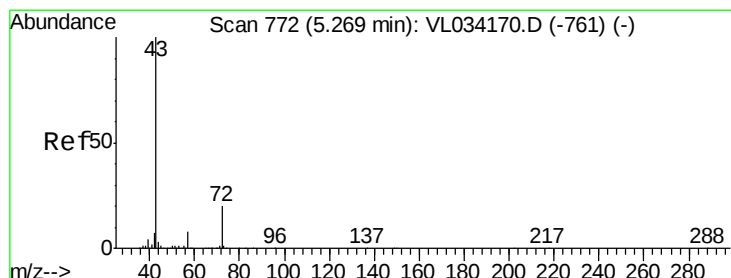
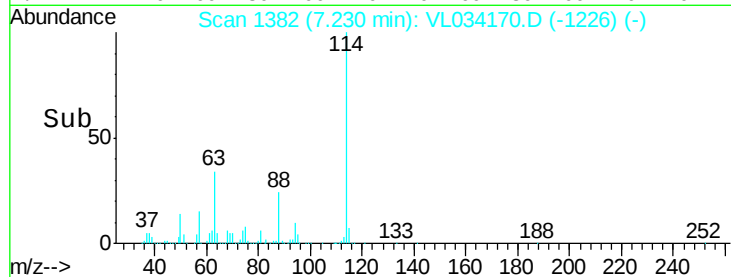
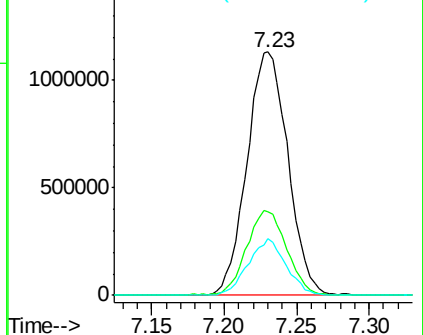
Tot Ion	Ratio	Lower	Upper
114	100		
63	34.8	27.8	41.6
88	21.5	17.1	25.7

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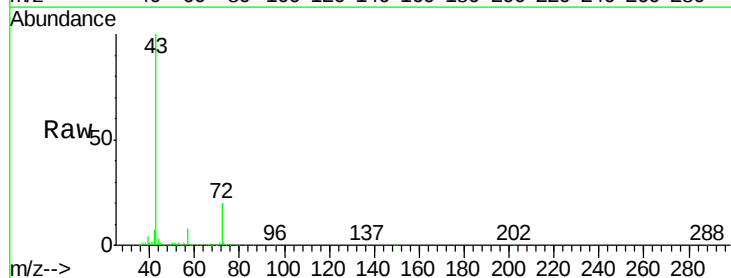


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

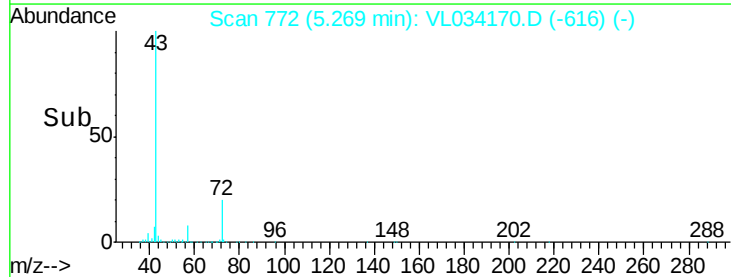
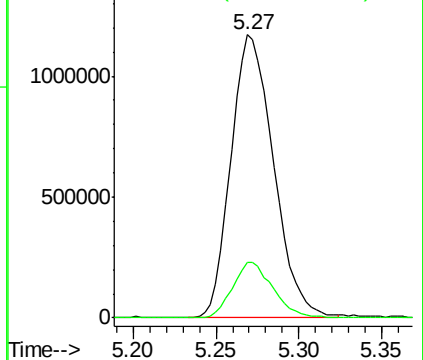


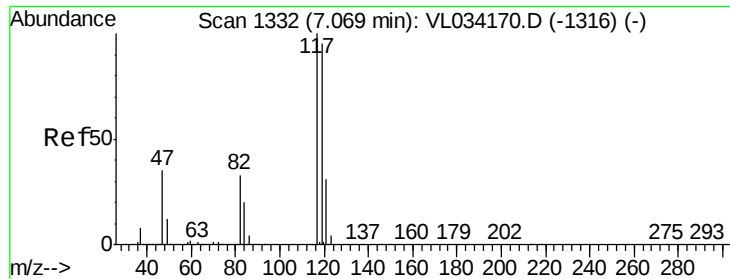
#34
 2-Butanone
 Concen: 9.574 ppbv
 RT: 5.27 min Scan# 772
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Tgt Ion	Ratio	Lower	Upper
43	100		
72	18.8	15.0	22.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.773 ppbv

RT: 7.07 min Scan# 1332

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:117 Resp: 1720678

Ion Ratio Lower Upper

117 100

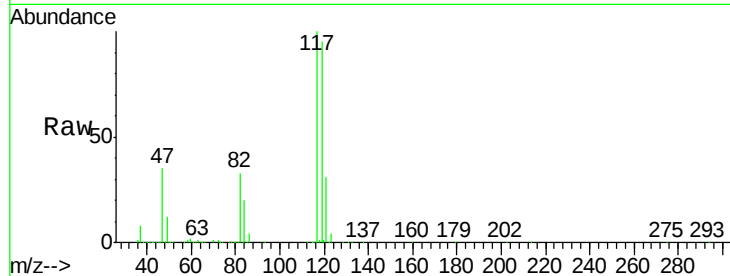
119 94.7 75.8 113.6

121 31.3 25.0 37.6

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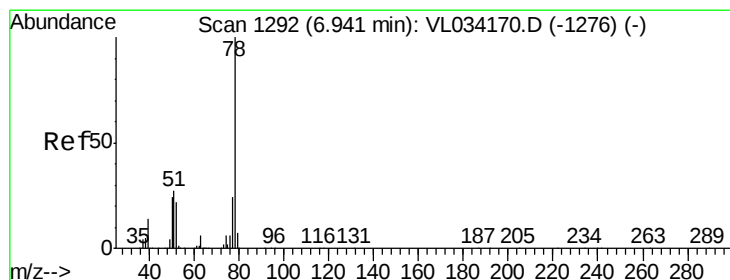
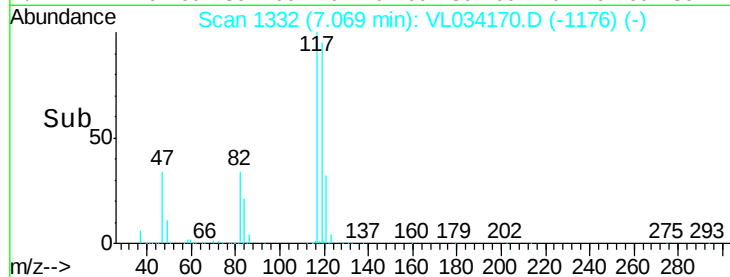
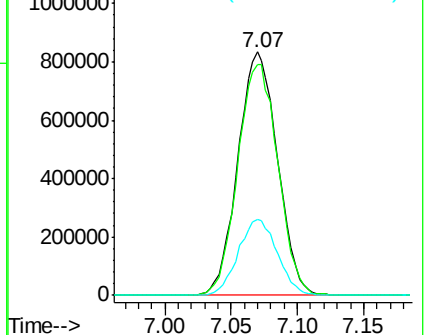
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.987 ppbv

RT: 6.94 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

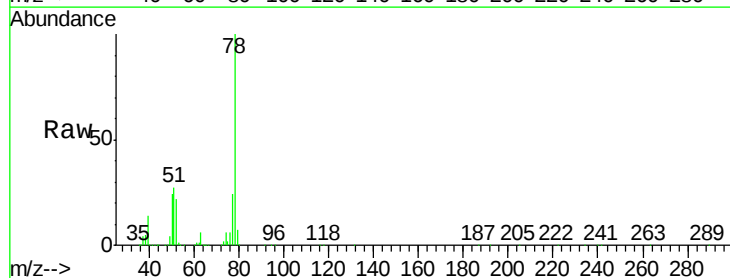
Tgt Ion: 78 Resp: 2286388

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.4

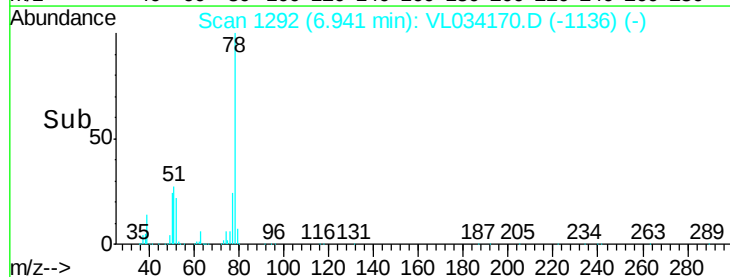
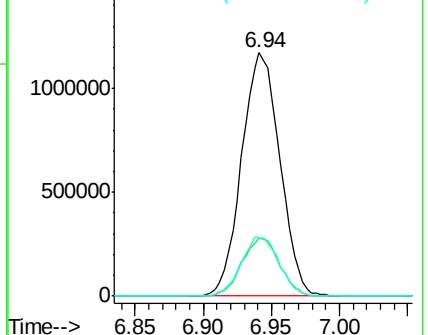
50 23.6 18.9 28.3

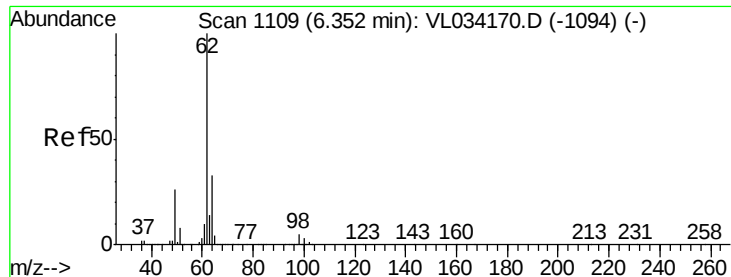


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.228 ppbv

RT: 6.35 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 1648959

Ion Ratio Lower Upper

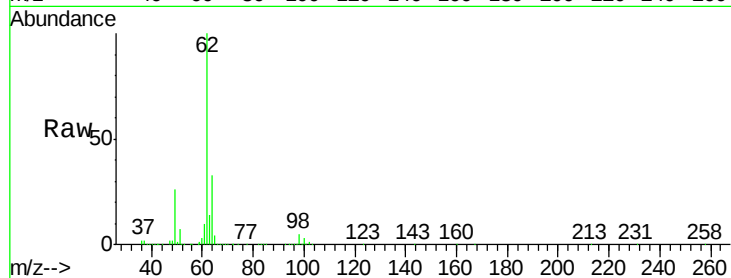
62 100

98 4.8 3.8 5.8

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.35

1000000

800000

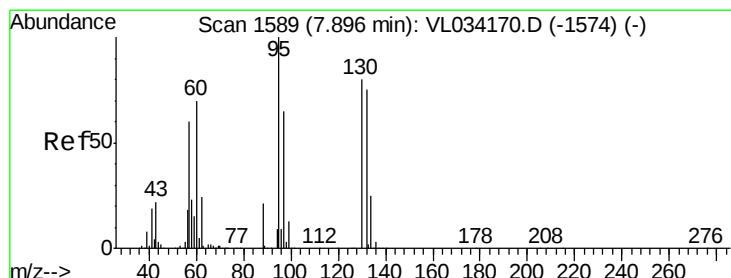
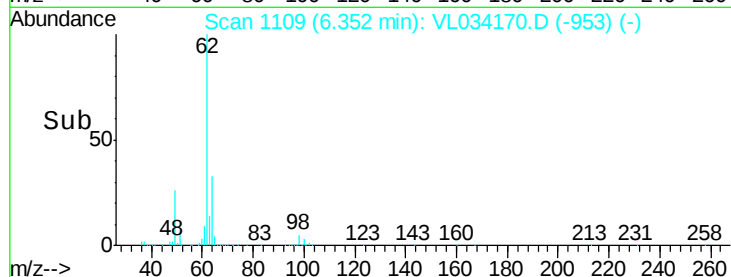
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 8.103 ppbv

RT: 7.90 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Tgt Ion: 130 Resp: 772821

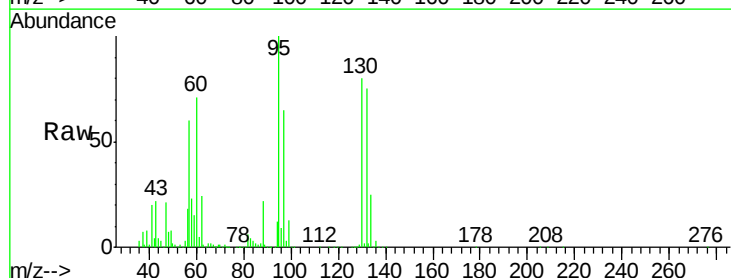
Ion Ratio Lower Upper

130 100

95 124.7 99.8 149.6

132 94.0 75.2 112.8

97 81.2 65.0 97.4



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

7.90

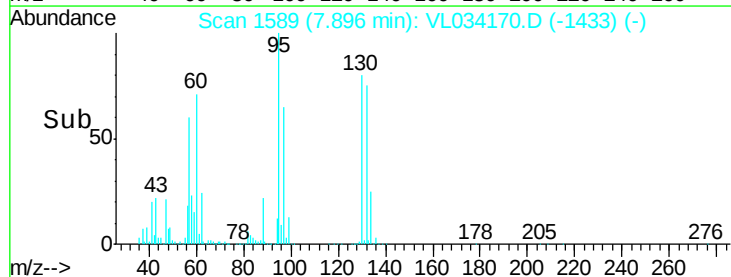
600000

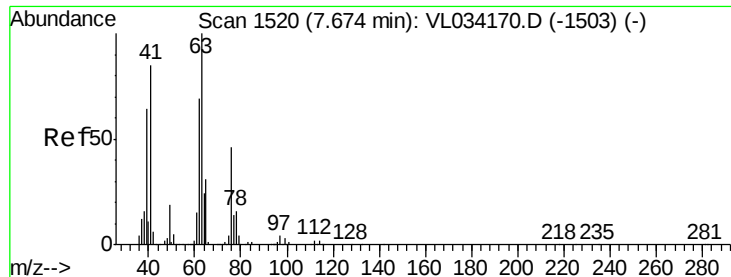
400000

200000

0

Time-->





#39

1,2-Dichloropropane

Concen: 9.345 ppbv

RT: 7.67 min Scan# 1520

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 63 Resp: 1027436

Ion Ratio Lower Upper

63 100

41 85.5 68.4 102.6

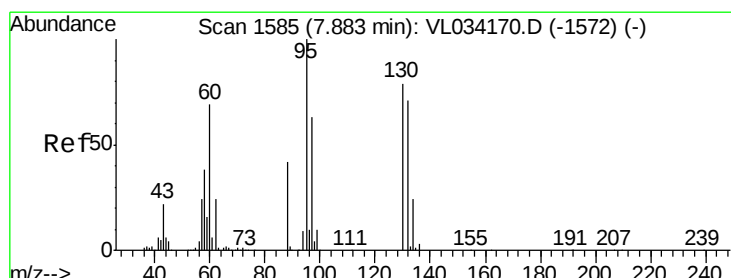
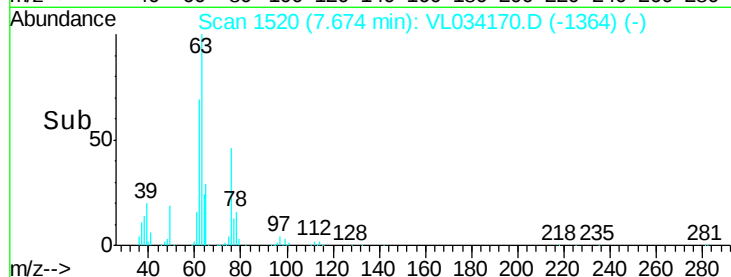
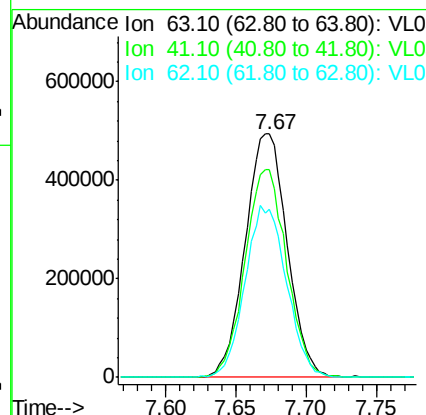
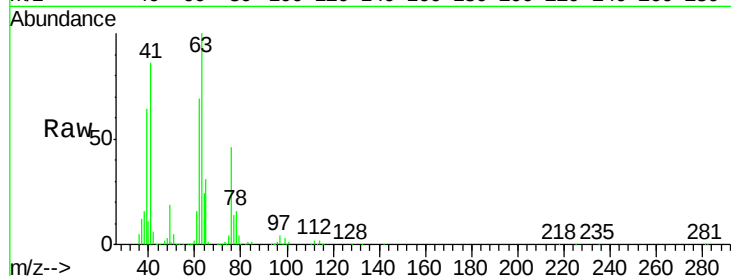
62 69.3 55.4 83.2

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#40

1,4-Dioxane

Concen: 7.500 ppbv

RT: 7.88 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Tgt Ion: 88 Resp: 298759

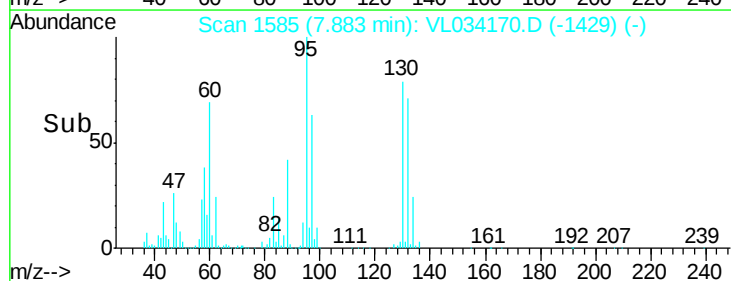
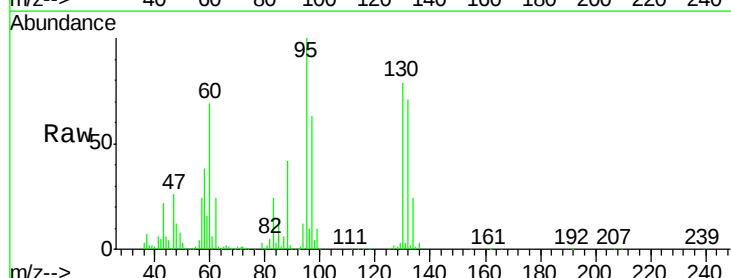
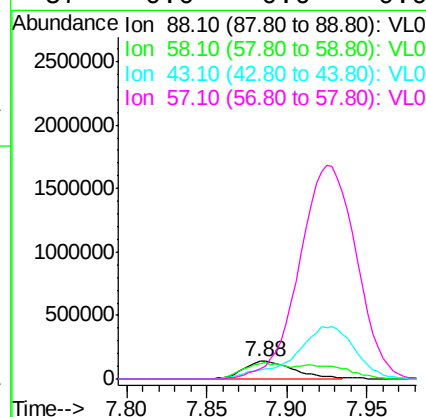
Ion Ratio Lower Upper

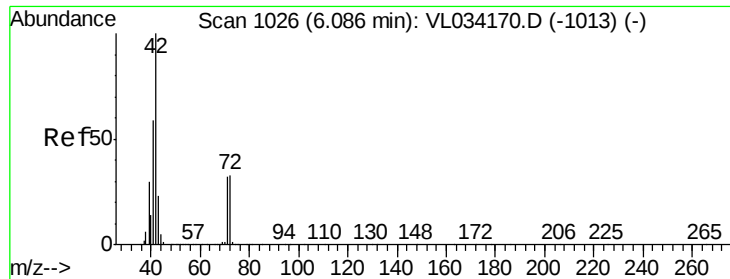
88 100

58 164.5 131.8 197.6

43 0.0 0.0 0.0

57 0.0 0.0 0.0





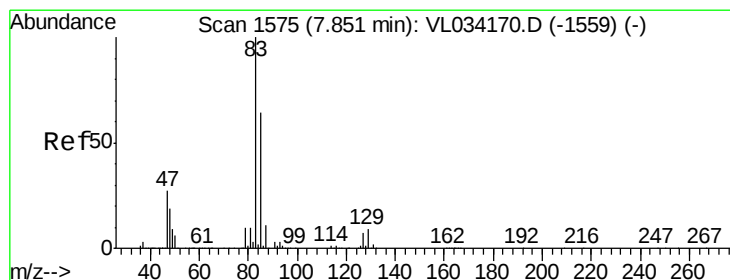
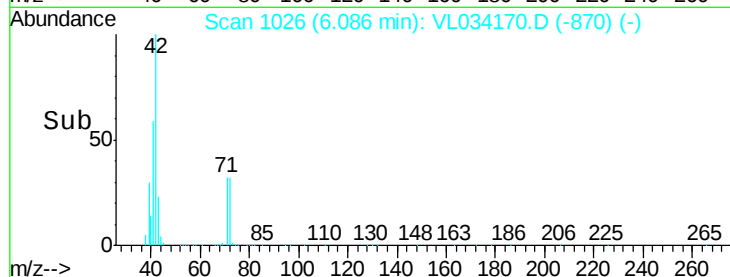
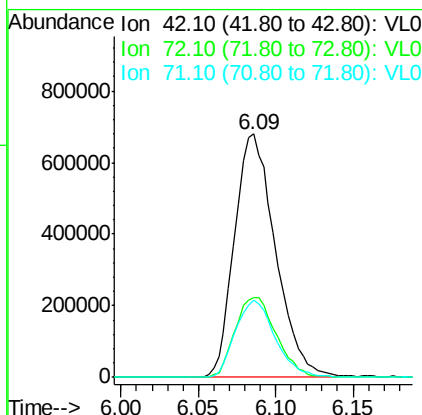
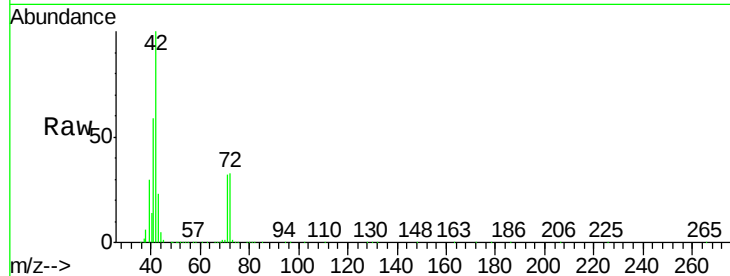
#41
Tetrahydrofuran
Concen: 9.638 ppbv
RT: 6.09 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.2	26.6	40.0
71	31.4	25.1	37.7

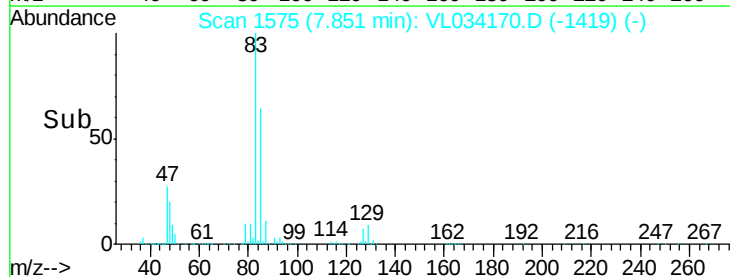
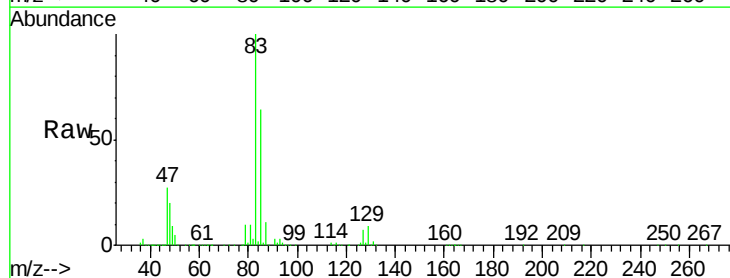
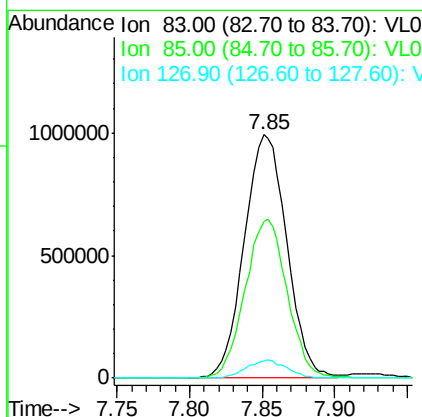
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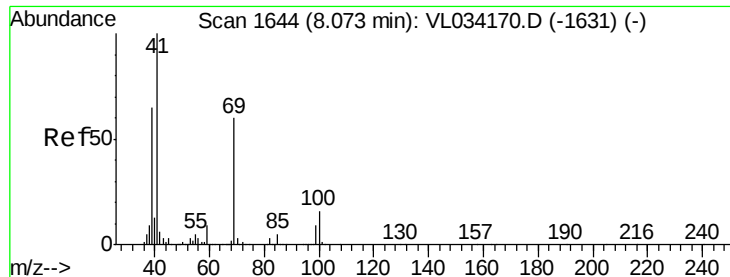
MMDadoda
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#42
Bromodichloromethane
Concen: 9.842 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.4	77.0
127	6.9	5.5	8.3





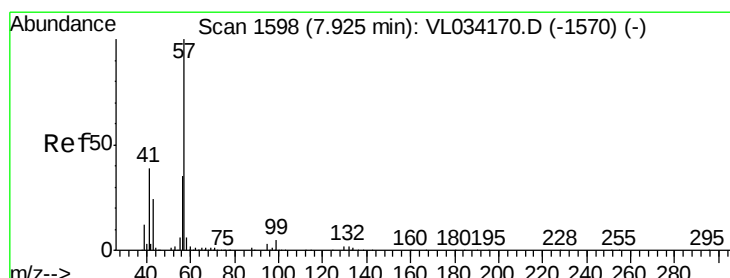
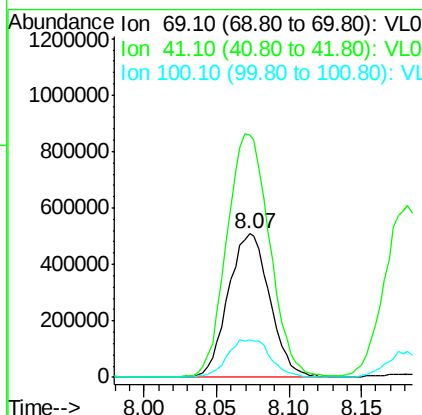
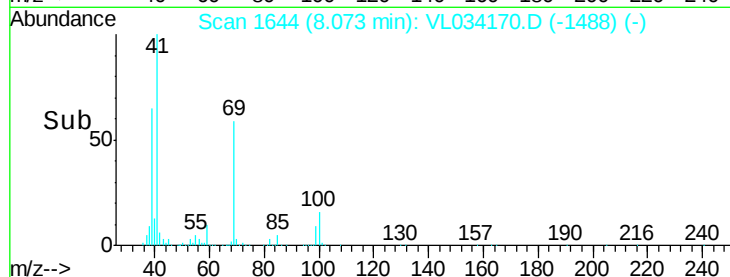
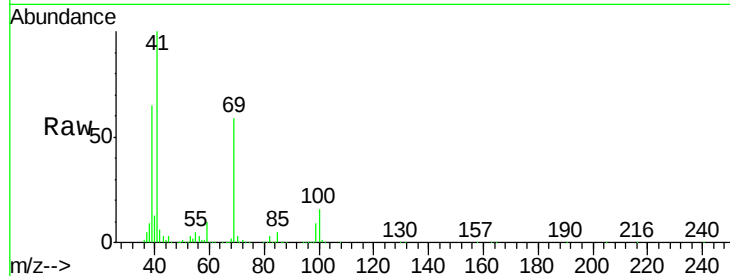
#43
Methvl Methacrylate
Concen: 9.577 ppbv
RT: 8.07 min Scan# 1644
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 69 Resp: 1006584
Ion Ratio Lower Upper
69 100
41 175.6 140.4 210.6
100 27.3 21.9 32.9

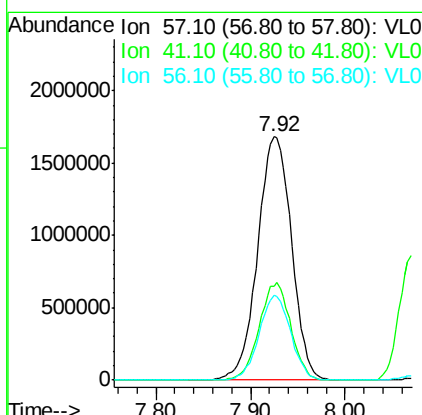
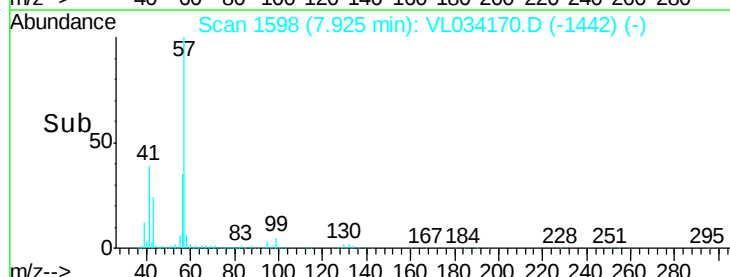
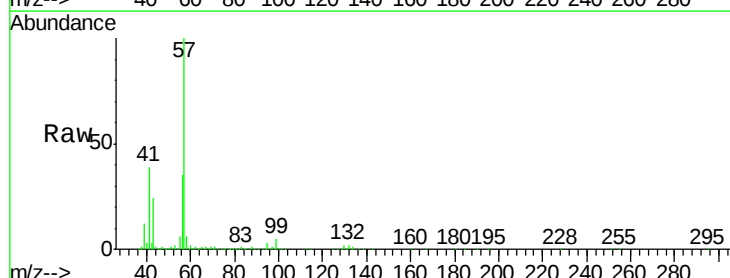
Manual Integrations
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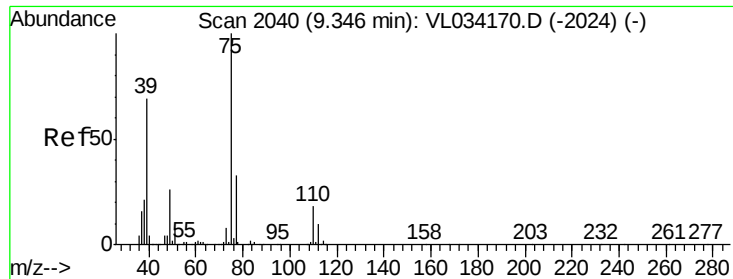
MMDadoda
9/20/2019 12:43:52 AM



#44
2,2,4-Trimethylpentane
Concen: 8.814 ppbv
RT: 7.92 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Tgt Ion: 57 Resp: 4180840
Ion Ratio Lower Upper
57 100
41 37.2 29.8 44.6
56 32.4 25.9 38.9





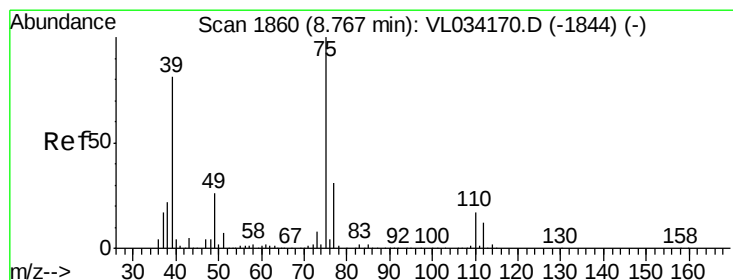
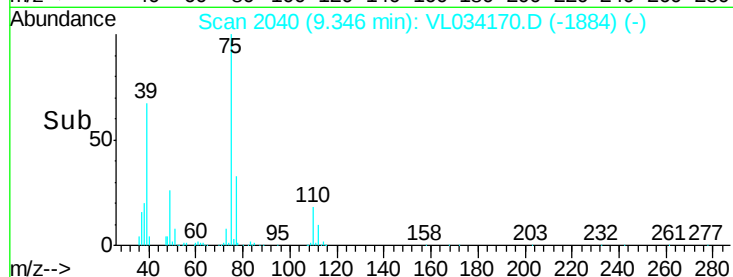
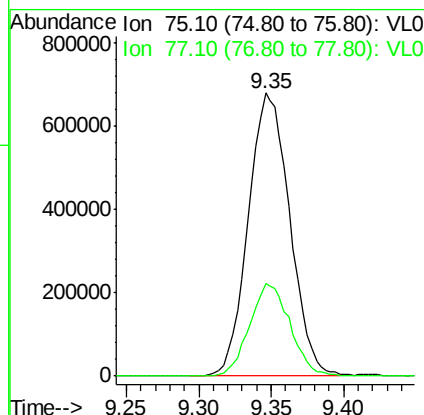
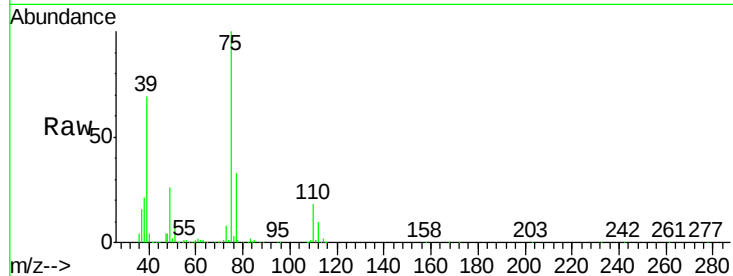
#45
t-1,3-Dichloropropene
Concen: 10.903 ppbv
RT: 9.35 min Scan# 2040
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 75 Resp: 1354310
Ion Ratio Lower Upper
75 100
77 32.7 26.2 39.2

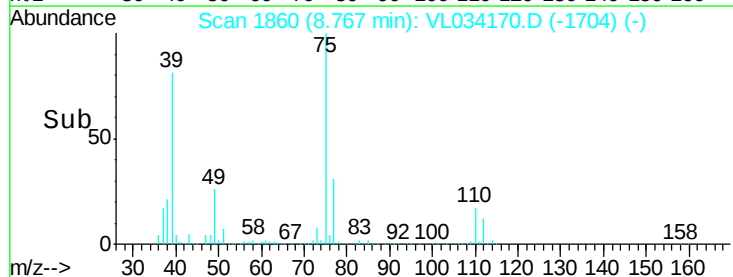
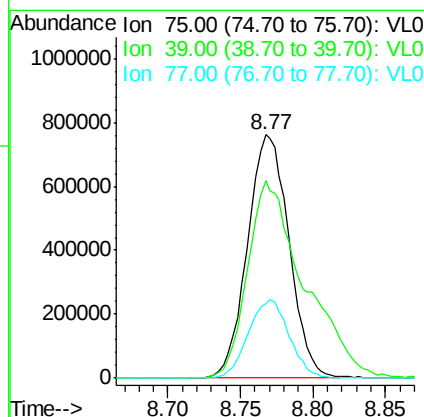
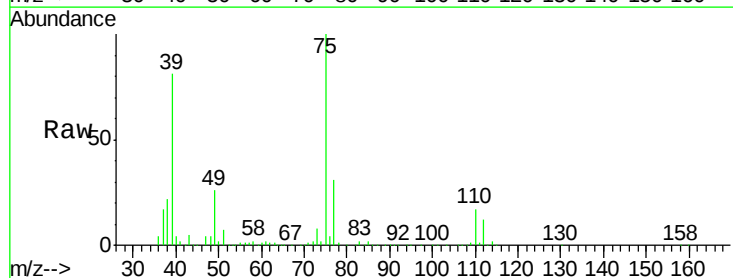
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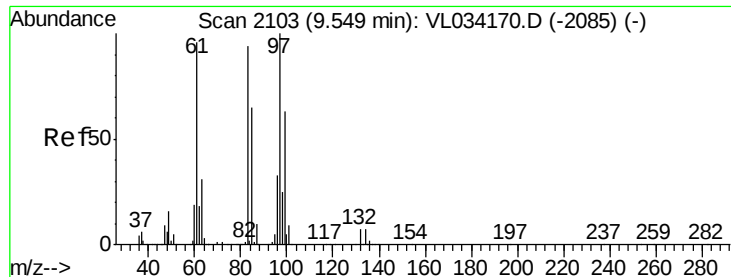
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#46
cis-1,3-Dichloropropene
Concen: 10.043 ppbv
RT: 8.77 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Tgt Ion: 75 Resp: 1516340
Ion Ratio Lower Upper
75 100
39 81.2 65.0 97.4
77 30.6 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 9.195 ppbv

RT: 9.55 min Scan# 2103

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 97 Resp: 915511

Ion Ratio Lower Upper

97 100

83 94.1 75.3 112.9

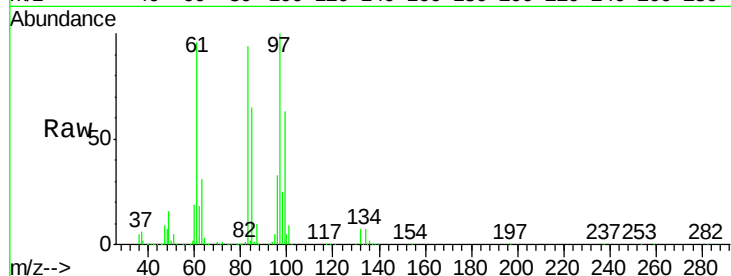
85 65.1 52.1 78.1

99 62.7 50.2 75.2

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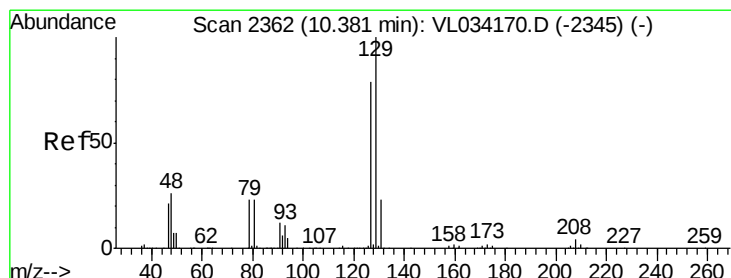
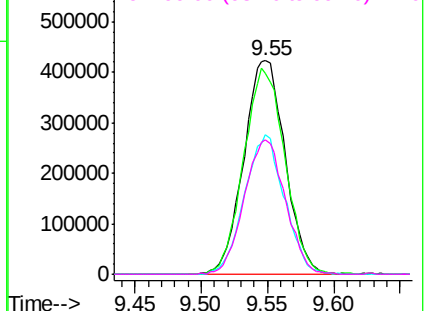
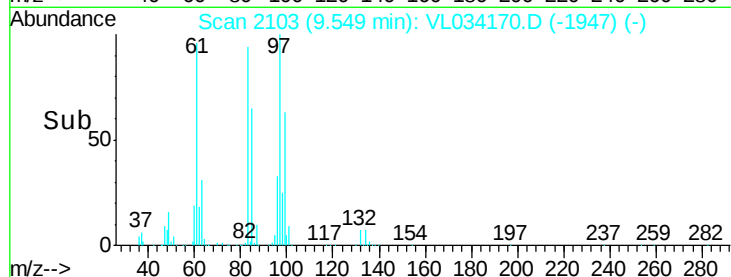


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.261 ppbv

RT: 10.38 min Scan# 2362

Delta R.T. 0.00 min

Lab File: VL034170.D

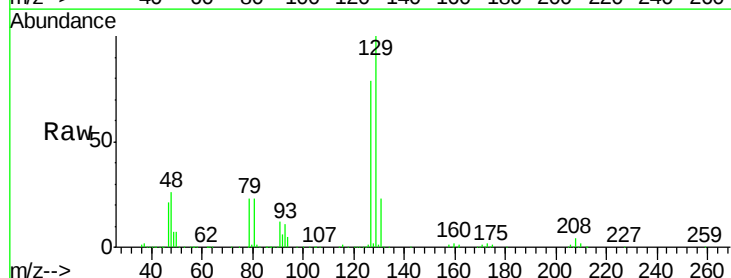
Acq: 17 Sep 2019 4:10

Tgt Ion: 129 Resp: 1545275

Ion Ratio Lower Upper

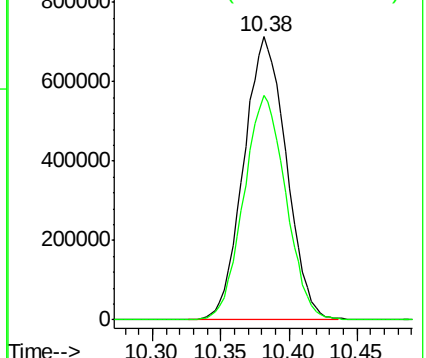
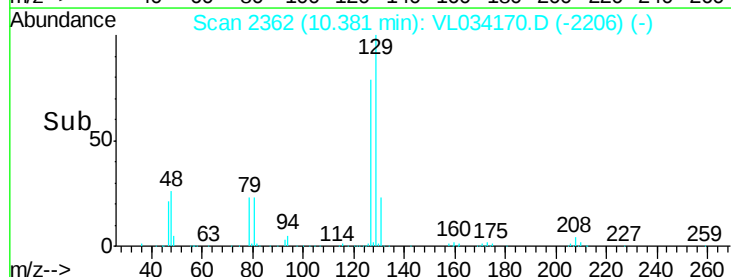
129 100

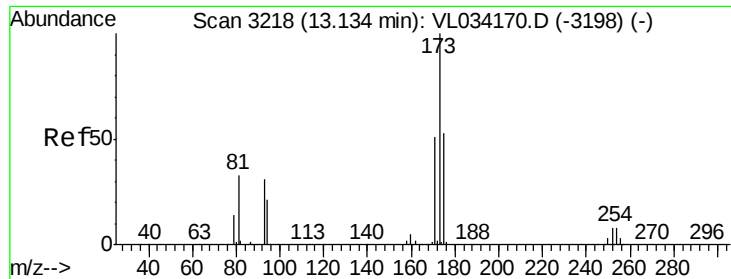
127 78.5 39.2 117.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





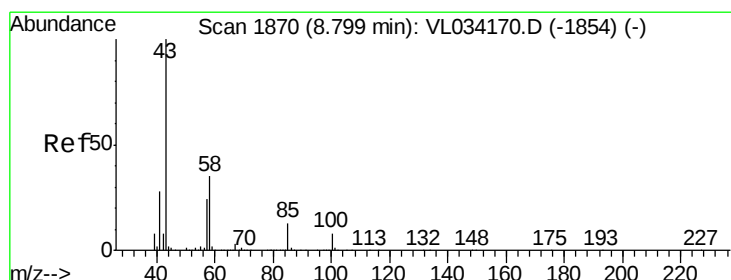
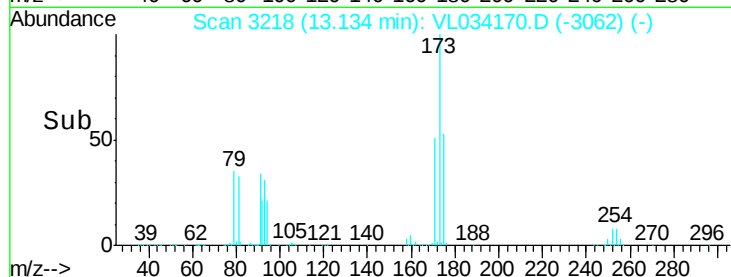
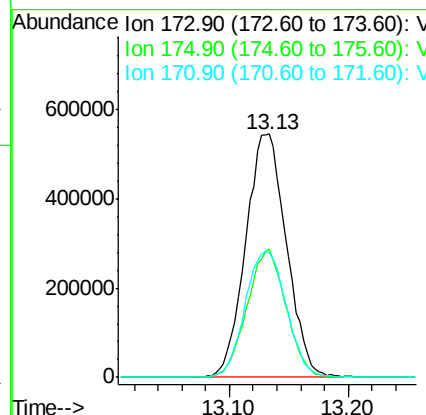
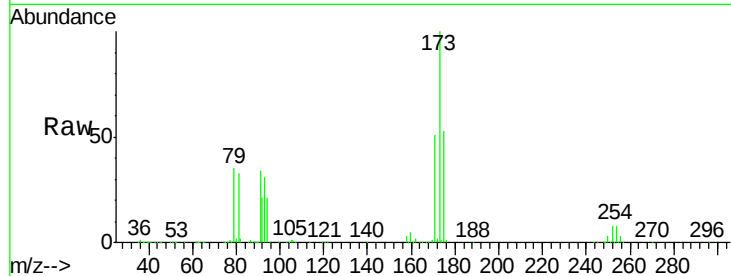
#49
Bromoform
Concen: 9.897 ppbv
RT: 13.13 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:173 Resp: 1293852
Ion Ratio Lower Upper
173 100
175 50.4 40.3 60.5
171 52.5 42.0 63.0

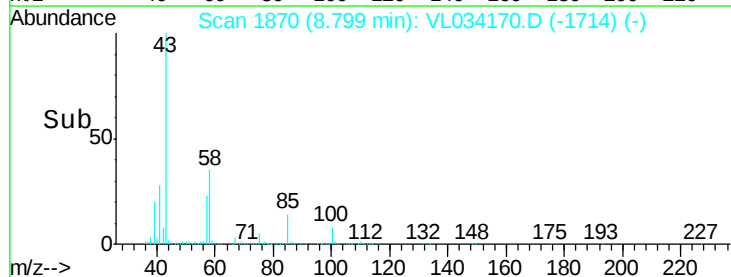
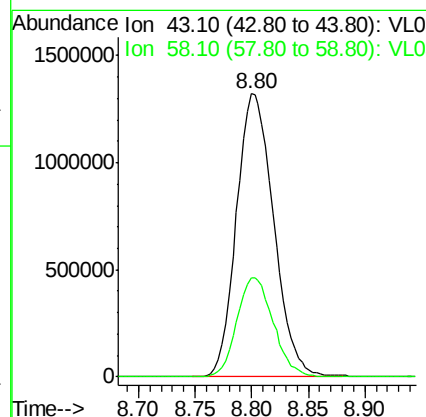
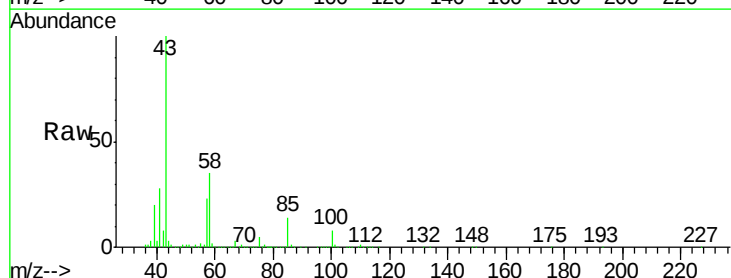
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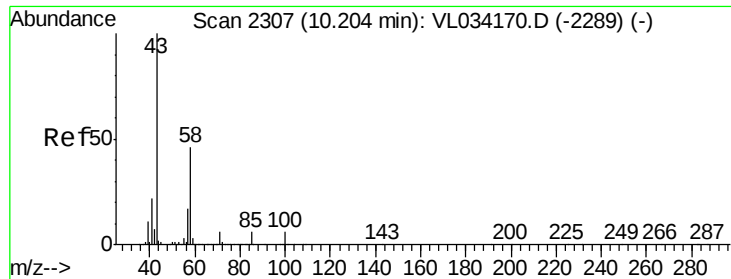
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#50
4-Methyl-2-Pentanone
Concen: 9.143 ppbv
RT: 8.80 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Tgt Ion: 43 Resp: 3031935
Ion Ratio Lower Upper
43 100
58 34.5 27.6 41.4





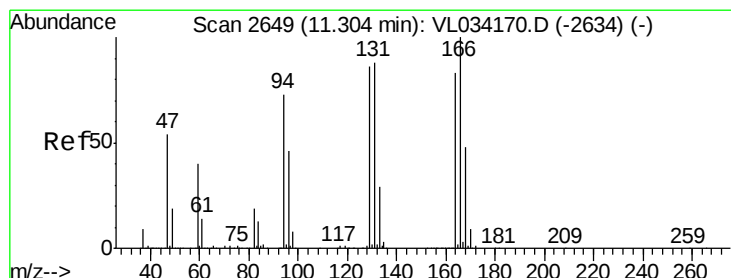
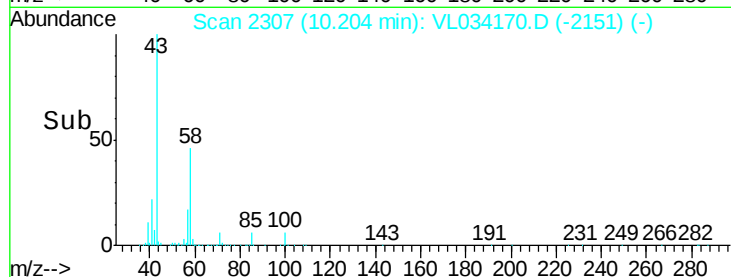
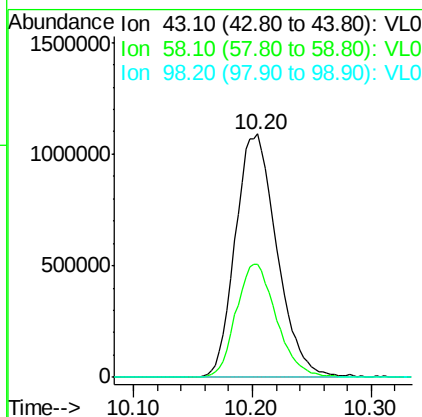
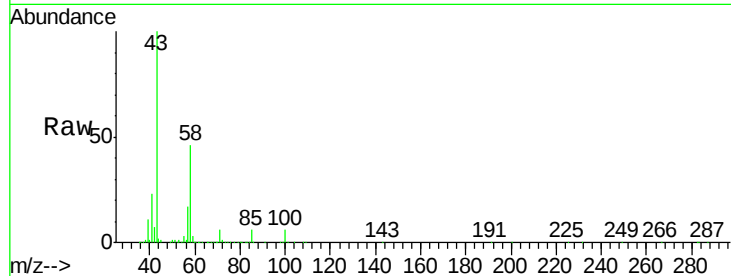
#51
2-Hexanone
Concen: 9.204 ppbv
RT: 10.20 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 2632111
Ion Ratio Lower Upper
43 100
58 45.3 36.2 54.4
98 0.1 0.2 0.2#

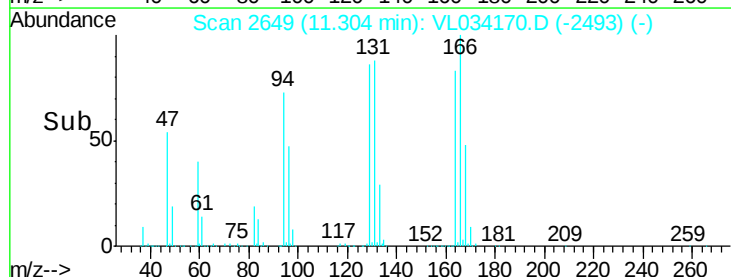
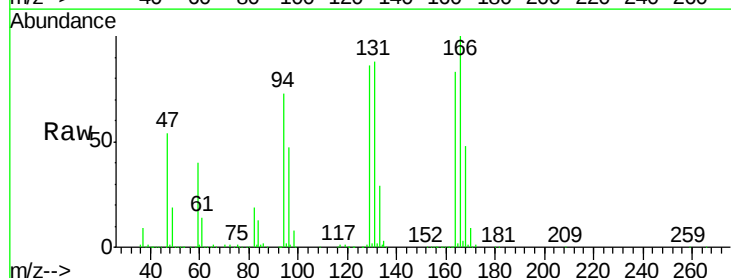
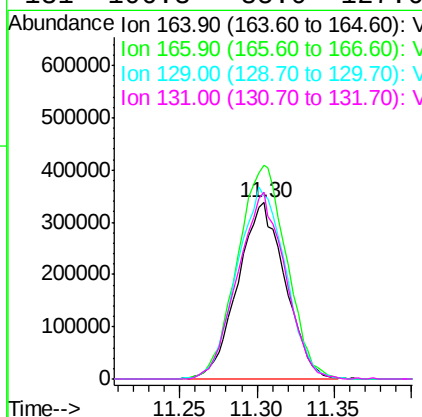
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#52
Tetrachloroethene
Concen: 7.976 ppbv
RT: 11.30 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Tgt Ion: 164 Resp: 715108
Ion Ratio Lower Upper
164 100
166 120.9 96.7 145.1
129 103.5 82.8 124.2
131 106.3 85.0 127.6





#53

Toluene

Concen: 9.028 ppbv

RT: 9.88 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 2543766

Ion Ratio Lower Upper

91 100

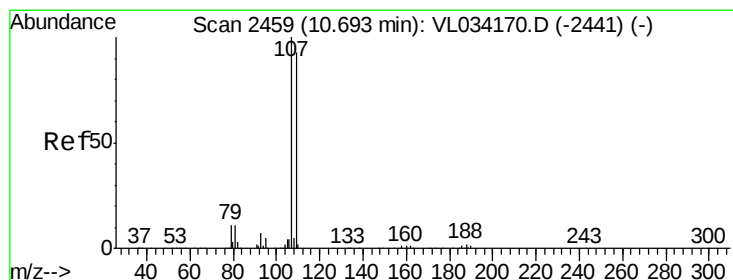
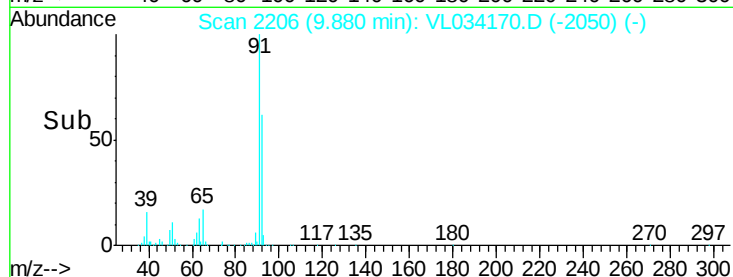
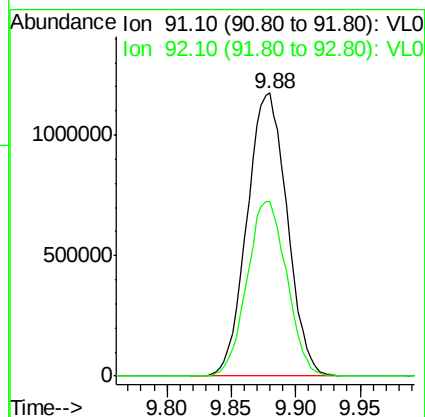
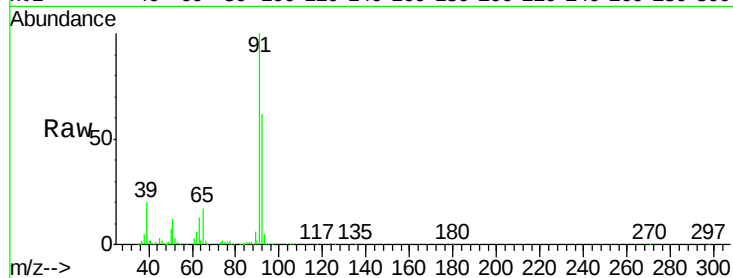
92 61.3 49.0 73.6

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#54

1,2-Dibromoethane

Concen: 9.315 ppbv

RT: 10.69 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VL034170.D

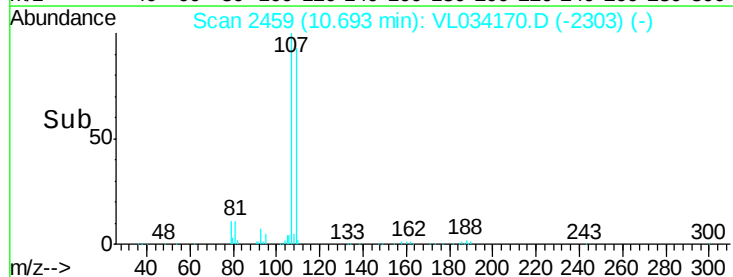
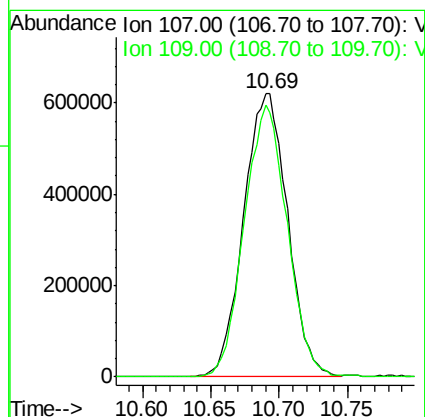
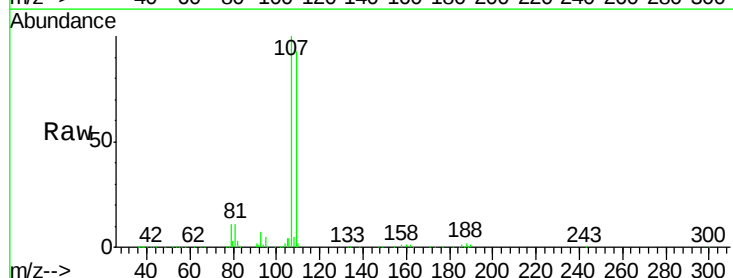
Acq: 17 Sep 2019 4:10

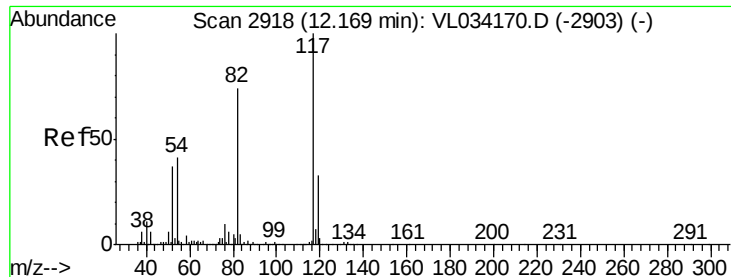
Tgt Ion: 107 Resp: 1386845

Ion Ratio Lower Upper

107 100

109 93.1 74.5 111.7





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:117 Resp: 2427683

Ion Ratio Lower Upper

117 100

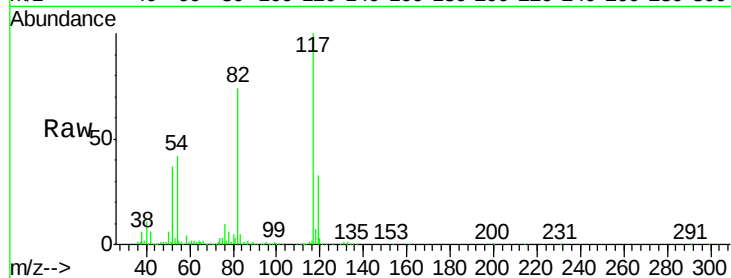
82 74.9 58.2 87.4

119 32.3 23.7 35.5

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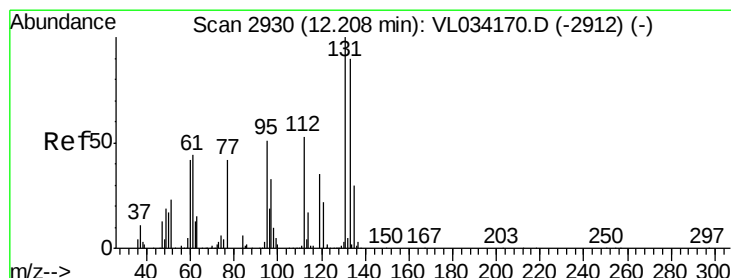
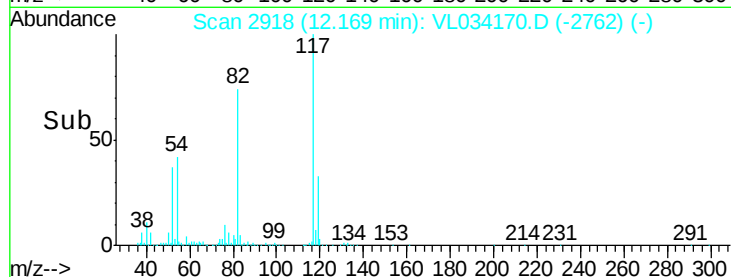
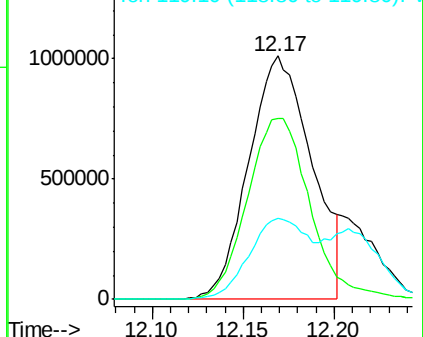
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.465 ppbv

RT: 12.21 min Scan# 2930

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

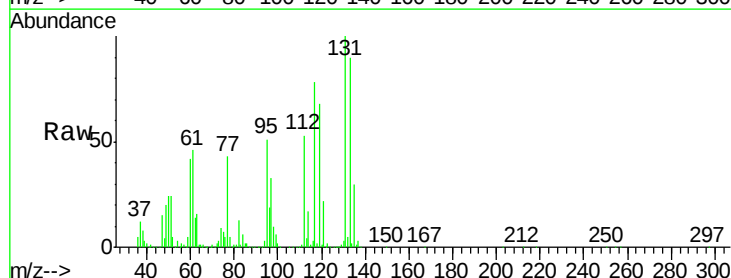
Tgt Ion:131 Resp: 996527

Ion Ratio Lower Upper

131 100

133 93.8 75.1 112.7

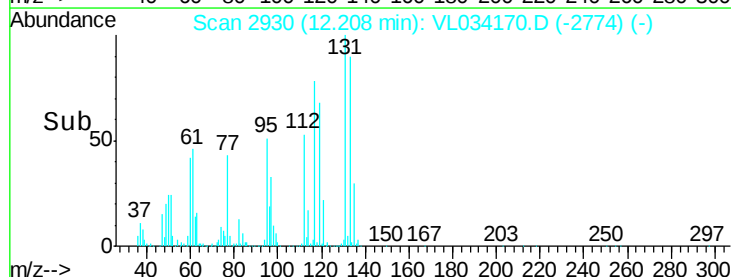
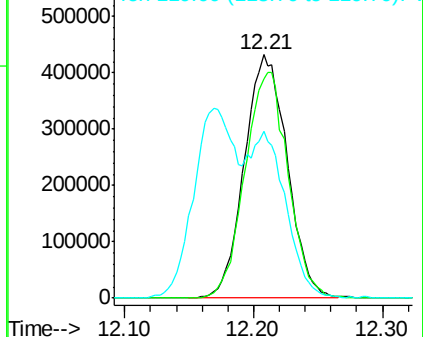
119 64.1 47.4 71.0

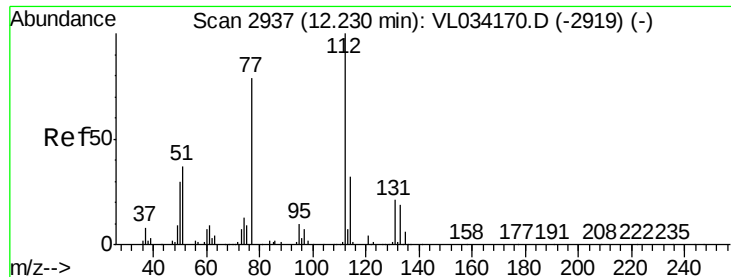


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 8.695 ppbv

RT: 12.23 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:112 Resp: 1822182

Ion Ratio Lower Upper

112 100

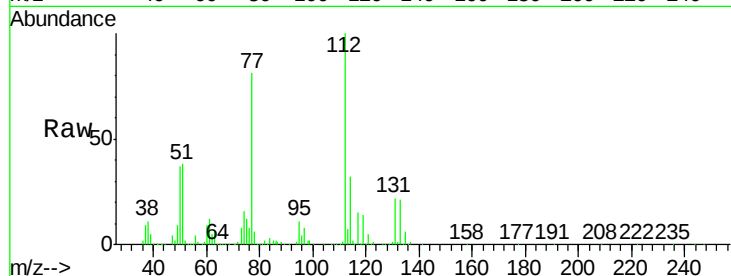
77 80.4 64.3 96.5

114 32.1 28.9 35.3

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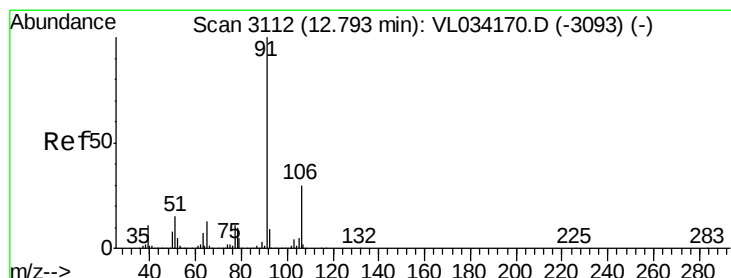
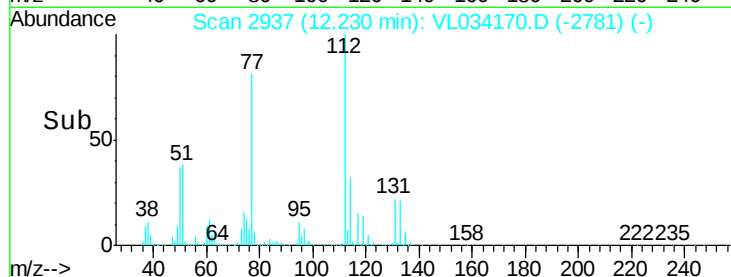
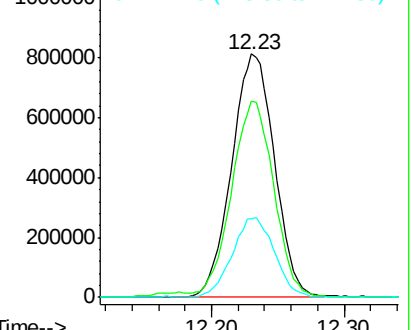
9/20/2019 12:43:52 AM



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: 8.668 ppbv

RT: 12.79 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VL034170.D

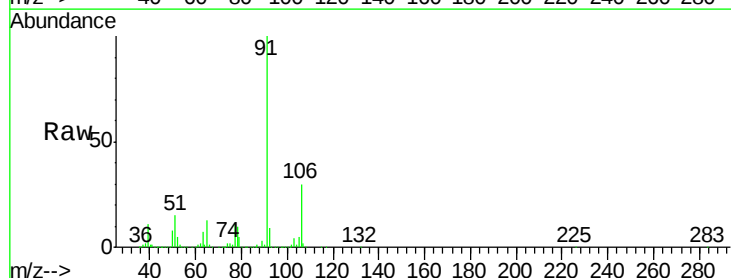
Acq: 17 Sep 2019 4:10

Tgt Ion: 91 Resp: 3456837

Ion Ratio Lower Upper

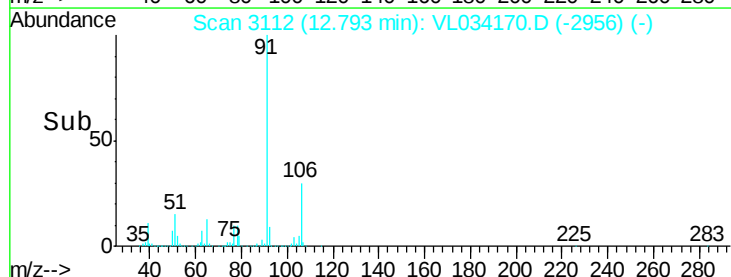
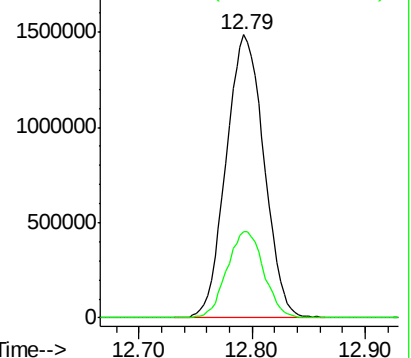
91 100

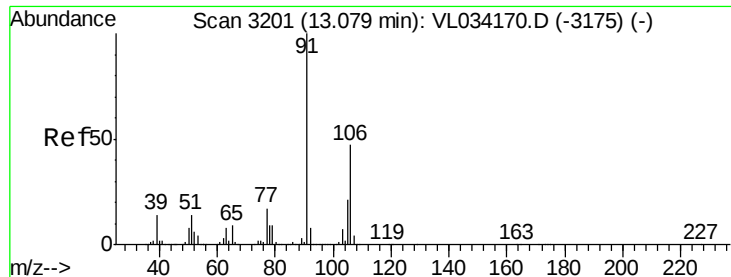
106 30.3 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





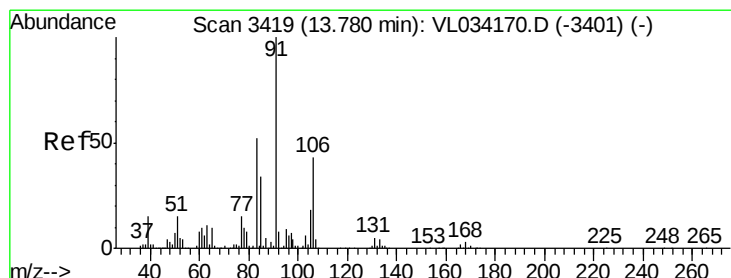
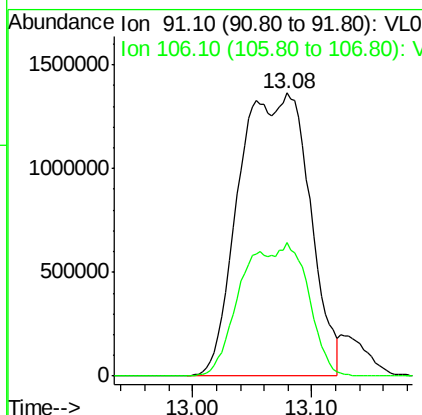
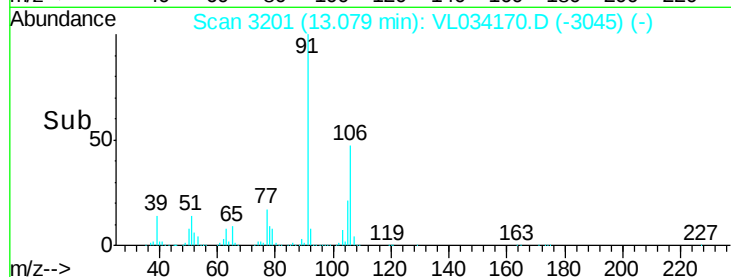
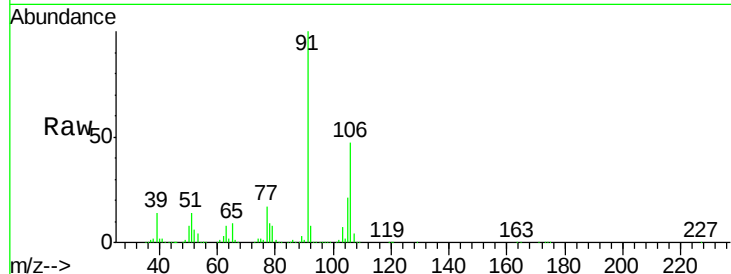
#59
m/p-Xylene
Concen: 17.180 ppbv m
RT: 13.08 min Scan# 3201
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Instrument :
MSVOA_L
ClientSampled :
VSTDICCC010

Tot Ion: 91 Resp: 5590279
Ion Ratio Lower Upper
91 100
106 44.3 35.5 53.3

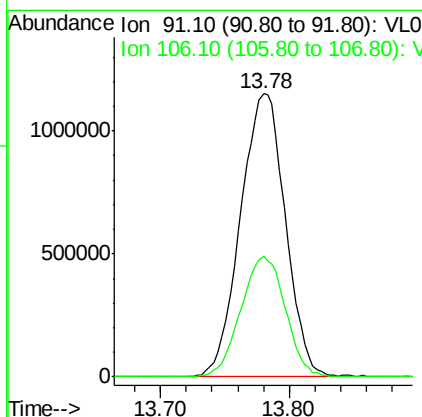
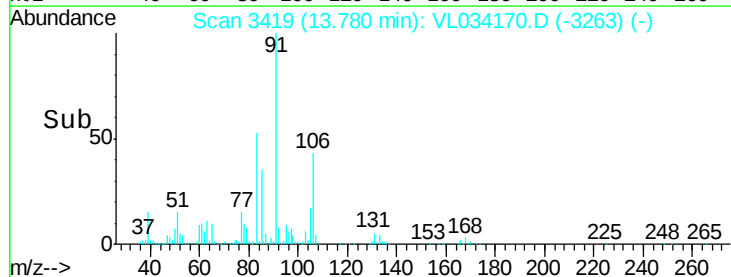
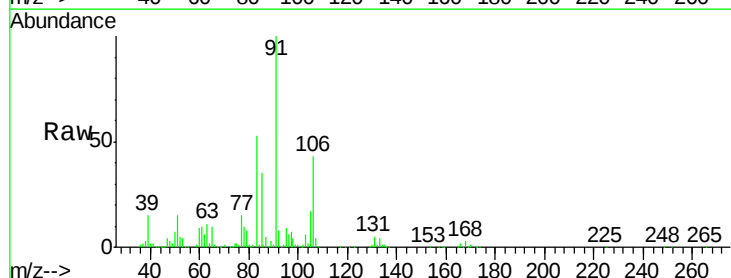
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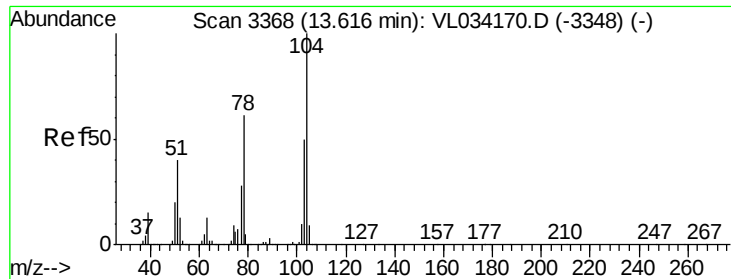
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#60
o-Xylene
Concen: 8.565 ppbv
RT: 13.78 min Scan# 3419
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Tgt Ion: 91 Resp: 2779596
Ion Ratio Lower Upper
91 100
106 42.4 21.2 63.6





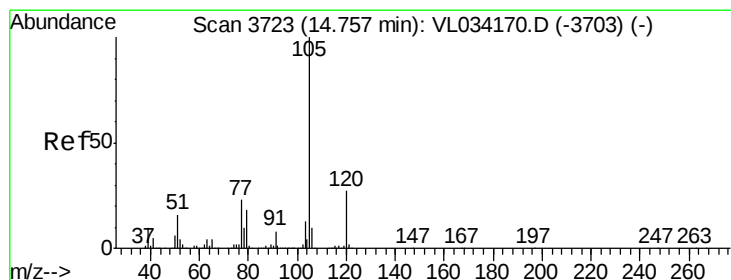
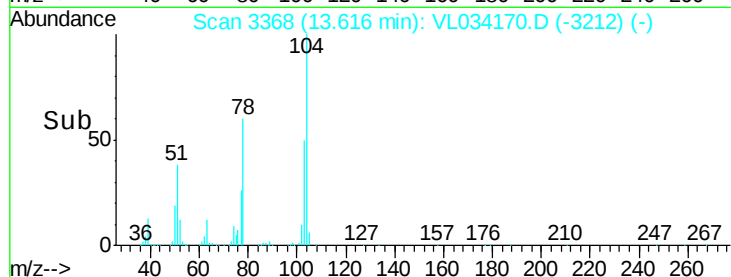
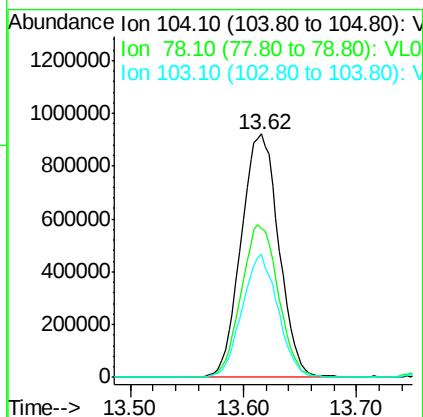
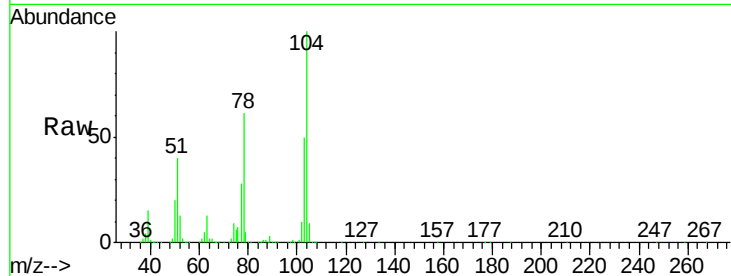
#61
Stvrene
Concen: 8.854 ppbv
RT: 13.62 min Scan# 3368
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	61.9	49.7	74.5
103	48.0	38.4	57.6

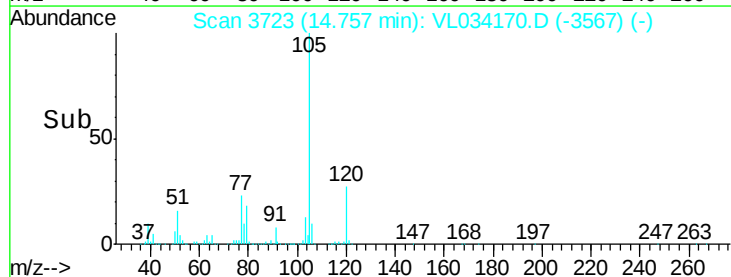
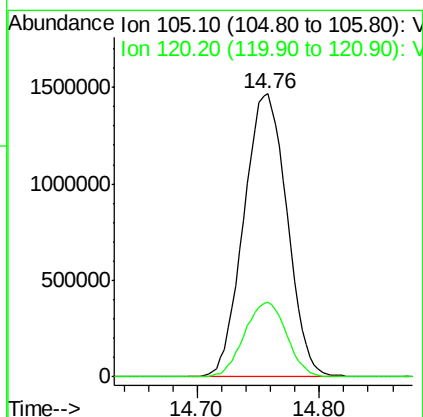
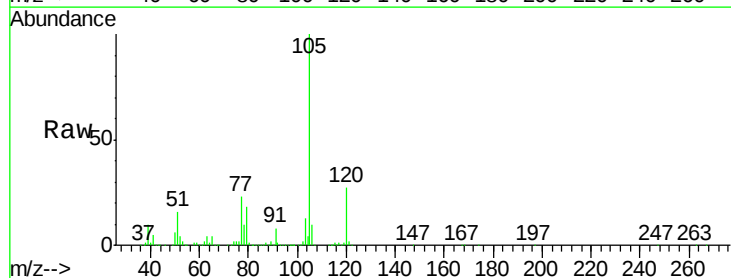
Manual Integrations
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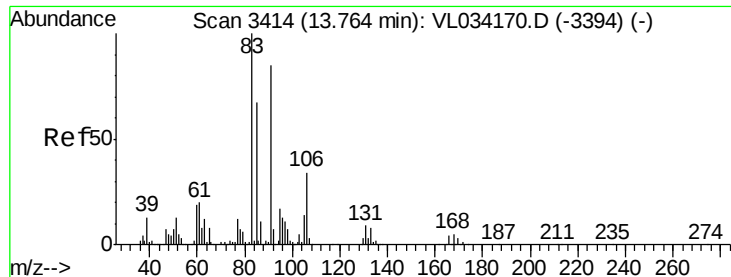
MMDadoda
9/20/2019 12:43:52 AM



#62
Isopropylbenzene
Concen: 8.519 ppbv
RT: 14.76 min Scan# 3723
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.7	31.1





#63

1,1,2,2-Tetrachloroethane

Concen: 7.745 ppbv

RT: 13.76 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 83 Resp: 2052112

Ion Ratio Lower Upper

83 100

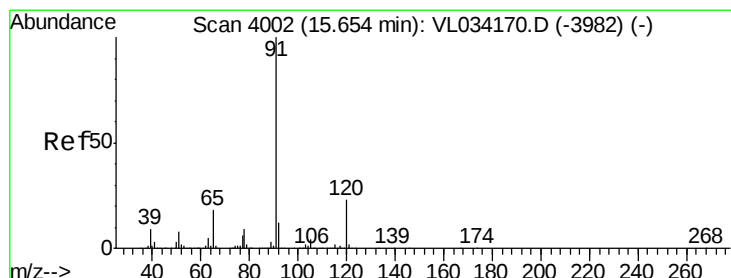
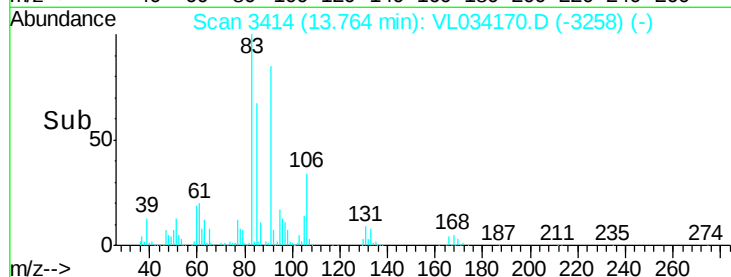
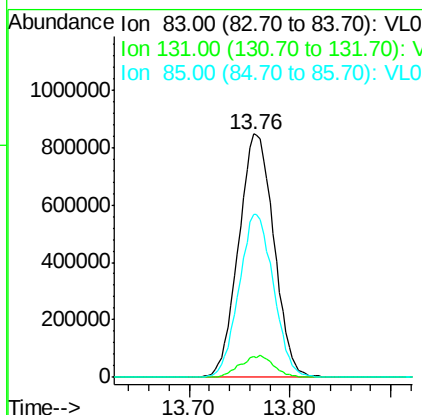
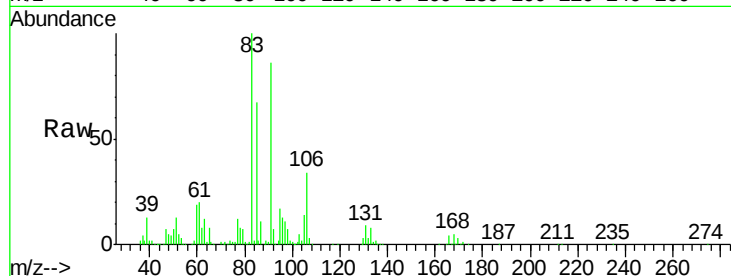
131 8.5 4.3 12.8

85 65.6 32.8 98.4

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#64

n-propylbenzene

Concen: 9.070 ppbv

RT: 15.65 min Scan# 4002

Delta R.T. 0.00 min

Lab File: VL034170.D

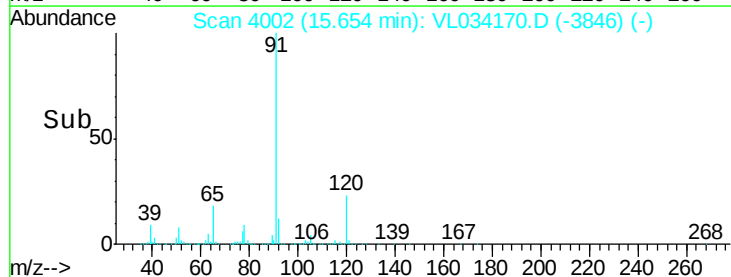
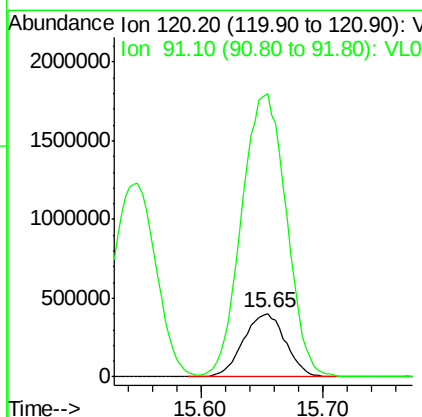
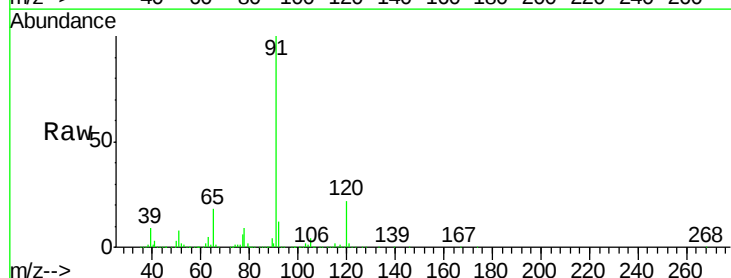
Acq: 17 Sep 2019 4:10

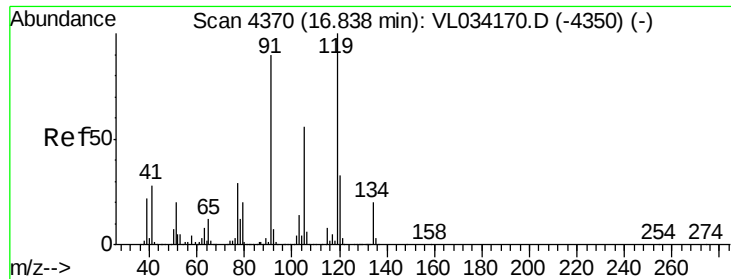
Tgt Ion: 120 Resp: 960702

Ion Ratio Lower Upper

120 100

91 472.7 378.2 567.2





#65

tert-Butylbenzene

Concen: 8.400 ppbv

RT: 16.84 min Scan# 4370

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampled :

VSTDICCC010

Tot Ion:119 Resp: 3068701

Ion Ratio Lower Upper

119 100

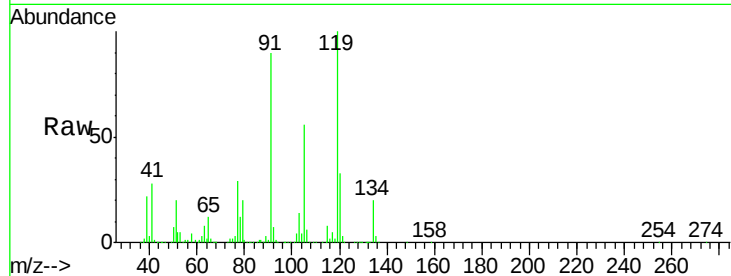
91 93.6 74.9 112.3

134 19.7 15.8 23.6

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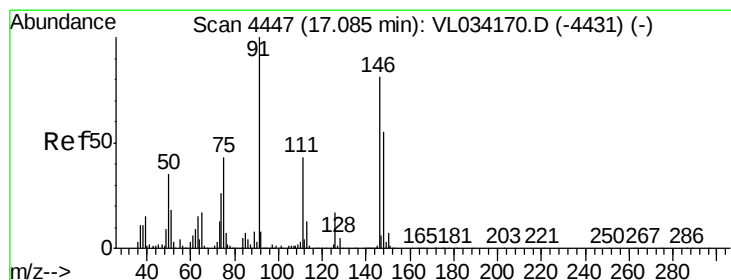
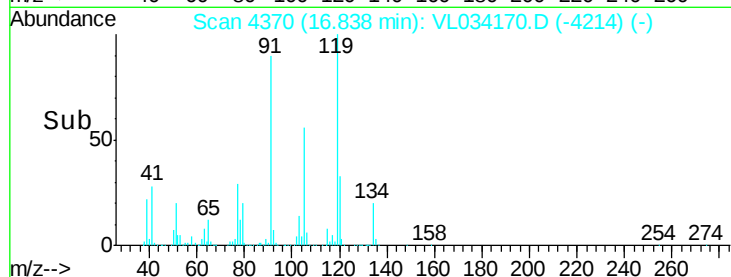
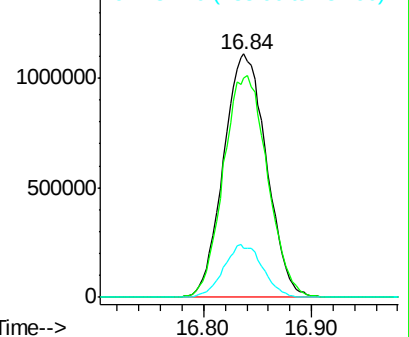
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.638 ppbv

RT: 17.09 min Scan# 4447

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

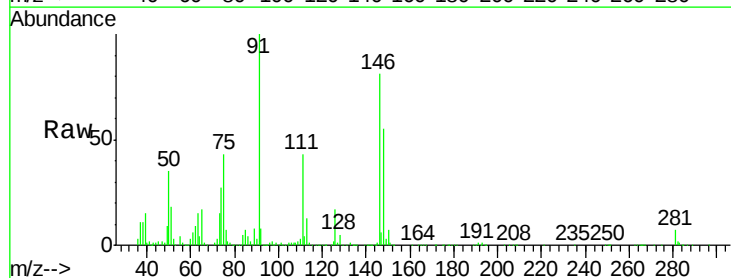
Tgt Ion: 91 Resp: 1537502

Ion Ratio Lower Upper

91 100

126 15.8 12.6 19.0

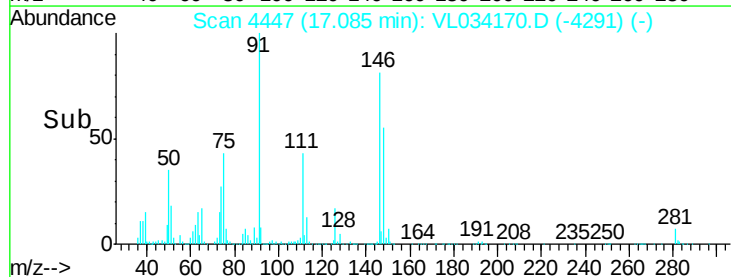
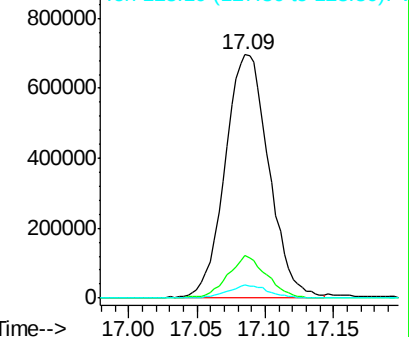
128 5.0 4.0 6.0

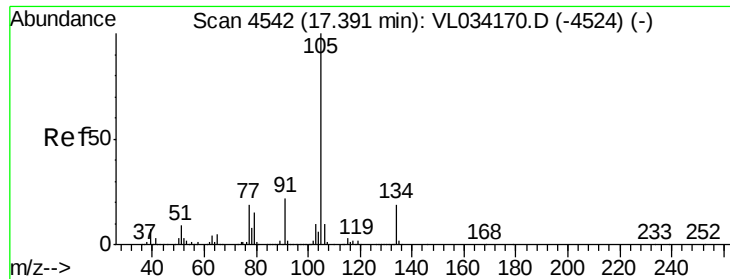


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.405 ppbv

RT: 17.39 min Scan# 4542

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 105 Resp: 4421866

Ion Ratio Lower Upper

105 100

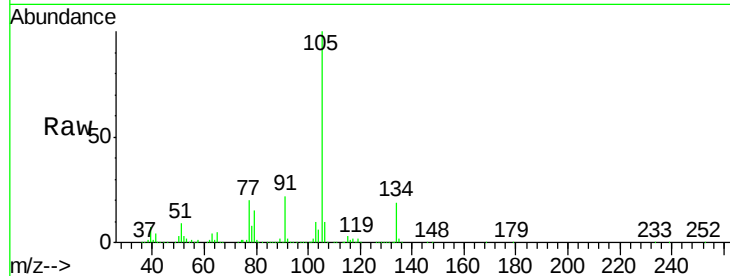
134 18.3 14.6 22.0

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2000000

1500000

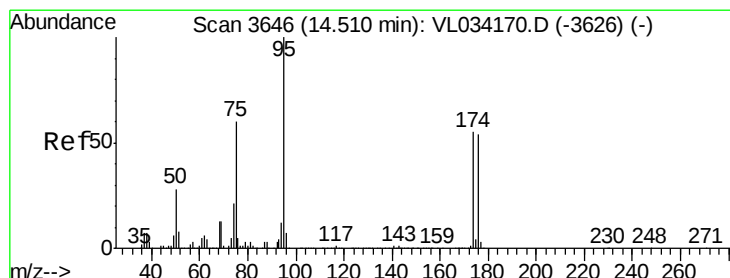
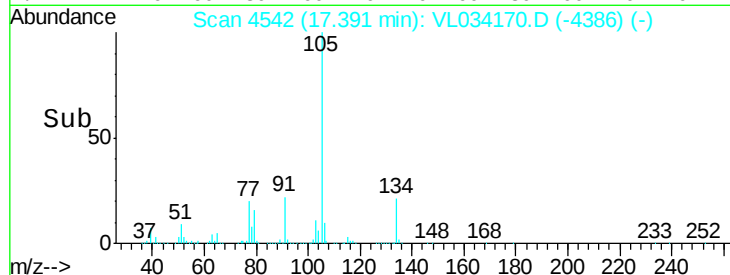
1000000

500000

0

17.30 17.40 17.50

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.415 ppbv

RT: 14.51 min Scan# 3646

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

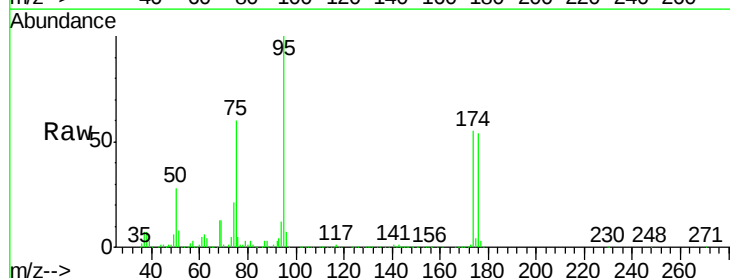
Tgt Ion: 95 Resp: 2084960

Ion Ratio Lower Upper

95 100

174 56.3 45.1 67.7

175 4.1 3.3 4.9



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

1200000

1000000

800000

600000

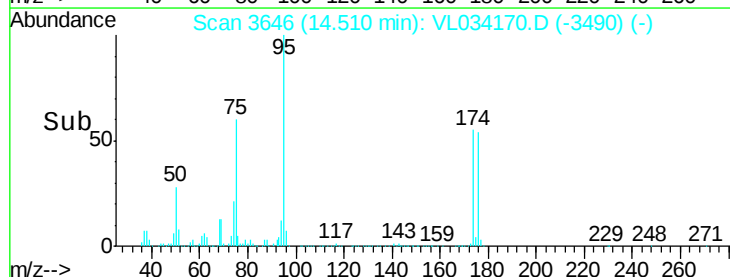
400000

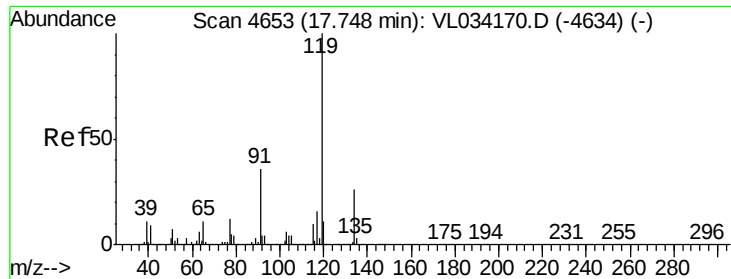
200000

0

14.40 14.50 14.60

Time-->





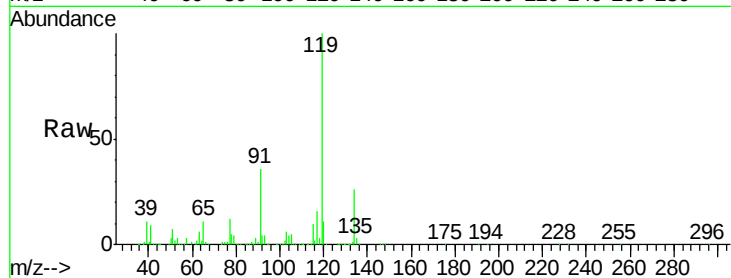
#69
 p-Isopropyltoluene
 Concen: 8.565 ppbv
 RT: 17.75 min Scan# 4653
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

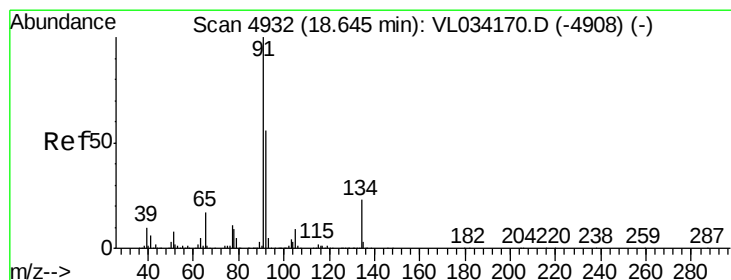
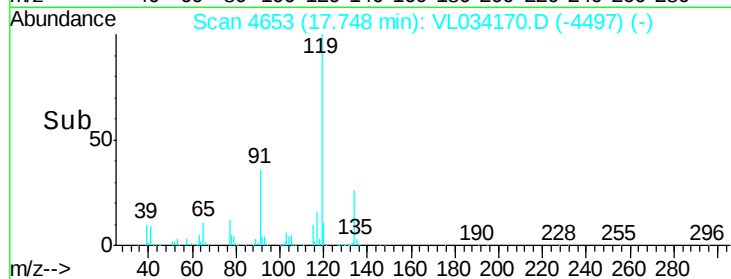
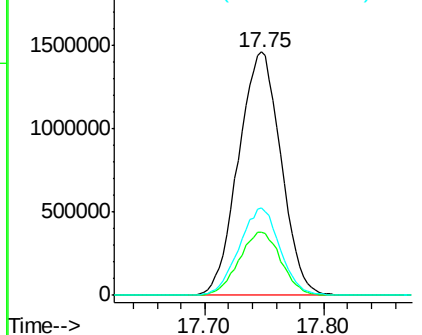
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.6	30.8
91	34.3	27.6	41.4

Manual Integrations
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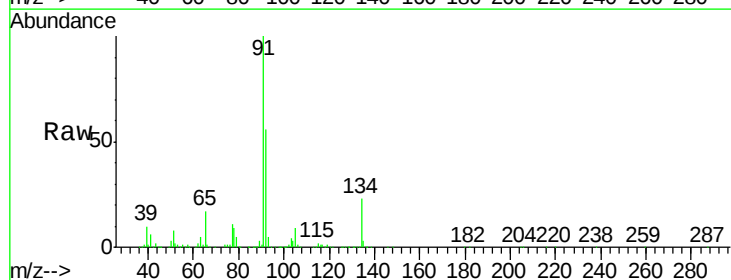


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

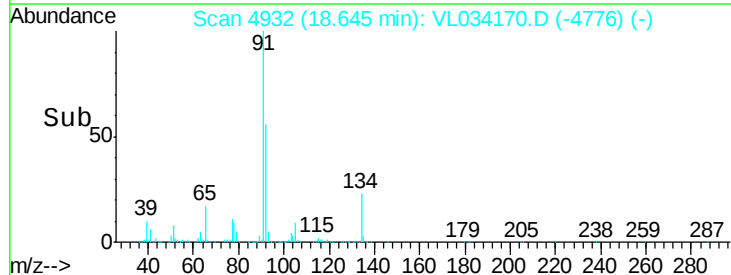
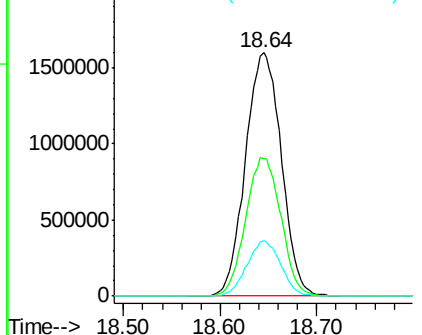


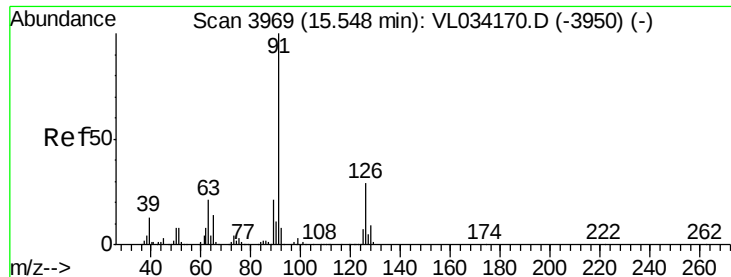
#70
 n-Butylbenzene
 Concen: 8.555 ppbv
 RT: 18.64 min Scan# 4932
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.0	44.8	67.2
134	21.6	17.3	25.9



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





#71

2-Chlorotoluene

Concen: 8.708 ppbv

RT: 15.55 min Scan# 3969

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 3005670

Ion Ratio Lower Upper

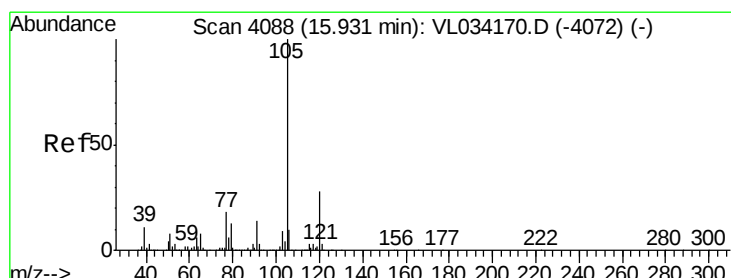
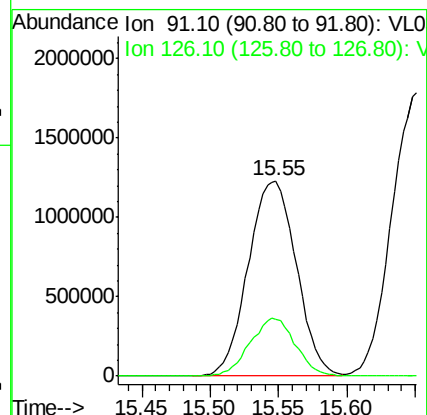
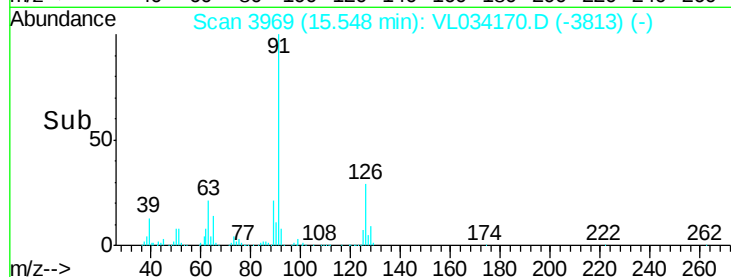
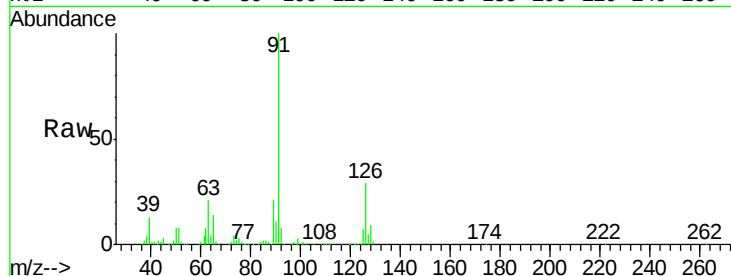
91 100

126 28.2 11.2 45.0

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#72

4-Ethyltoluene

Concen: 8.819 ppbv

RT: 15.93 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VL034170.D

Acq: 17 Sep 2019 4:10

Tgt Ion: 105 Resp: 3234007

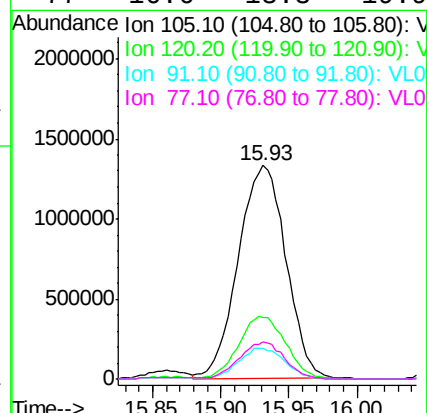
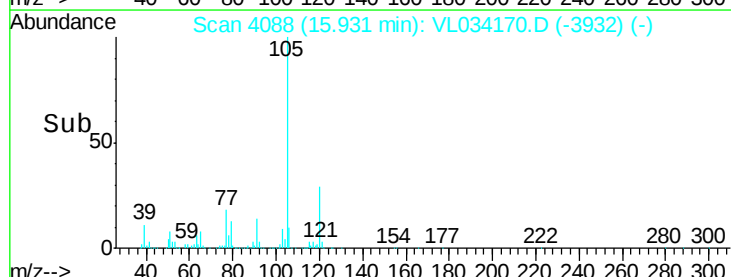
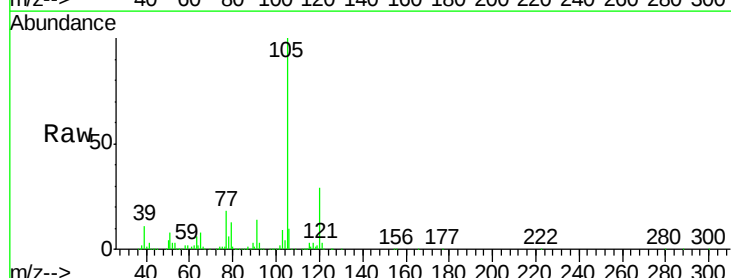
Ion Ratio Lower Upper

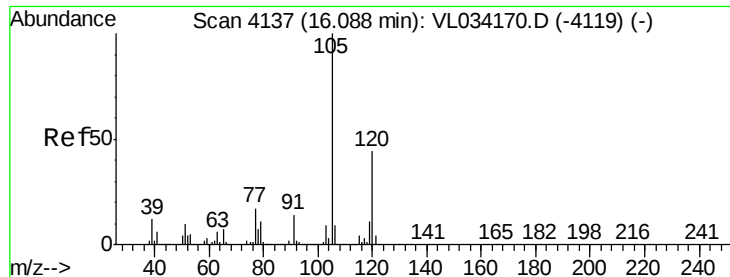
105 100

120 29.0 23.3 34.9

91 14.2 11.4 17.2

77 16.6 13.3 19.9





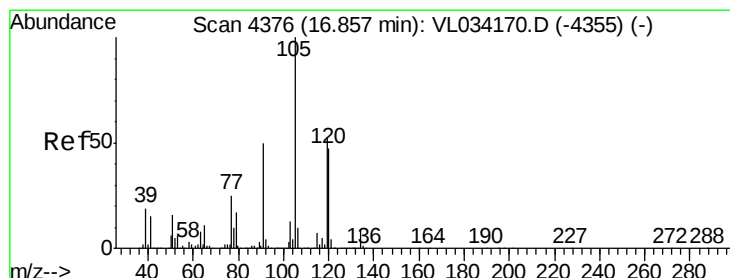
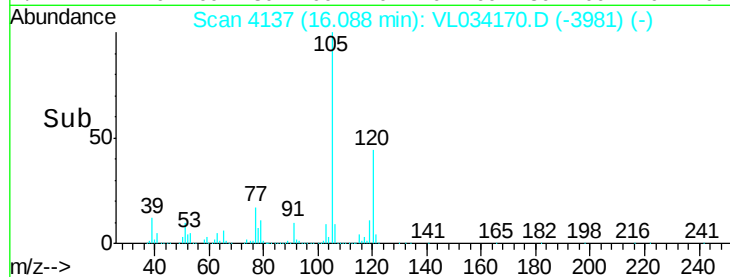
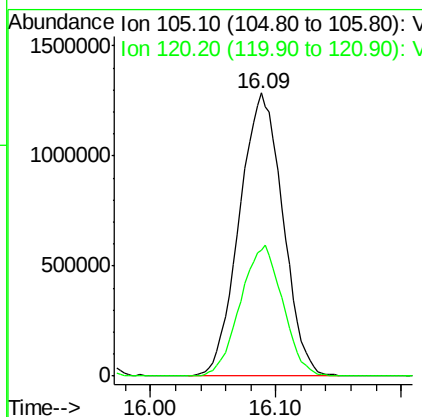
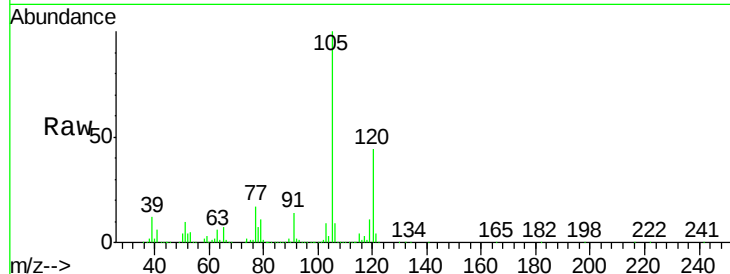
#73
 1,3,5-Trimethylbenzene
 Concen: 8.631 ppbv
 RT: 16.09 min Scan# 4137
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:105 Resp: 3075349
 Ion Ratio Lower Upper
 105 100
 120 44.5 35.6 53.4

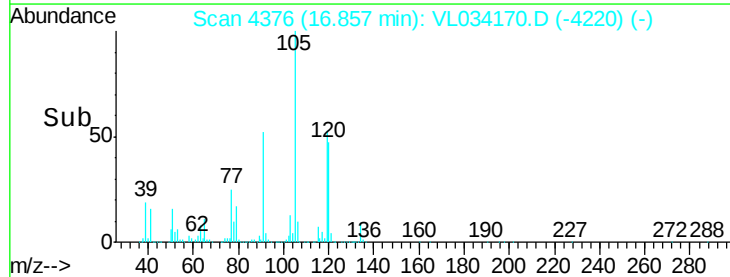
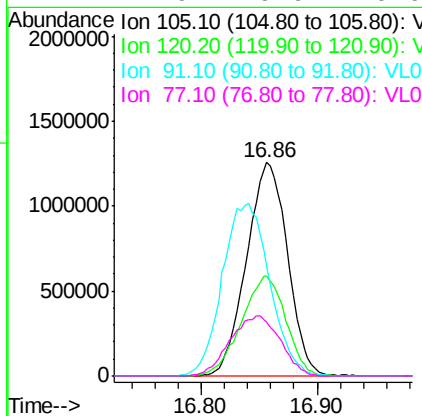
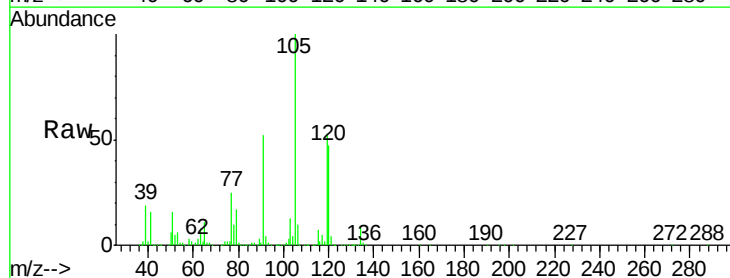
Manual Integrations
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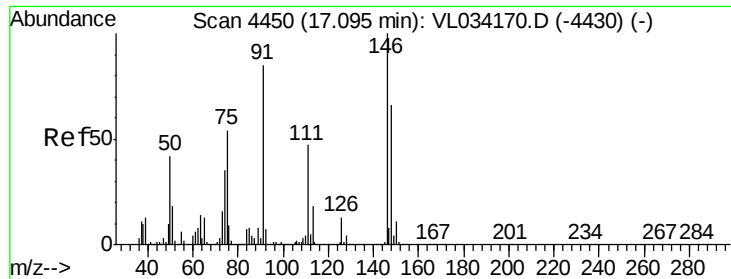
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#74
 1,2,4-Trimethylbenzene
 Concen: 8.388 ppbv
 RT: 16.86 min Scan# 4376
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Tgt Ion:105 Resp: 3088159
 Ion Ratio Lower Upper
 105 100
 120 46.9 37.5 56.3
 91 51.4 41.1 61.7
 77 24.9 19.9 29.9





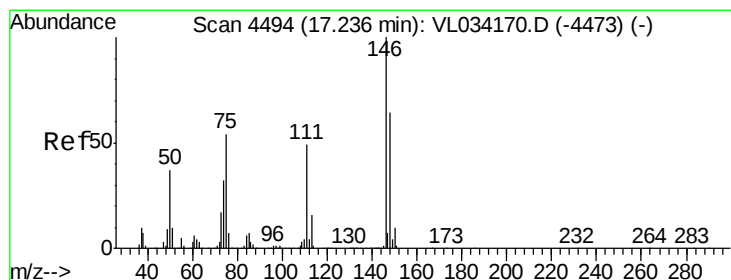
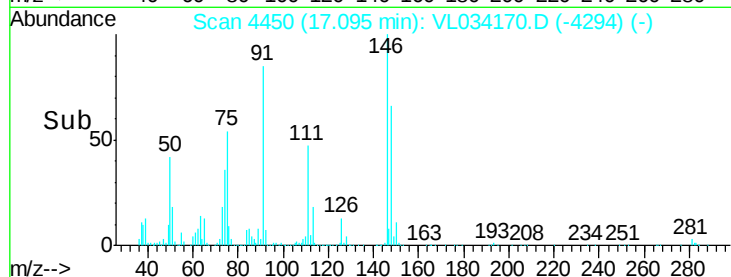
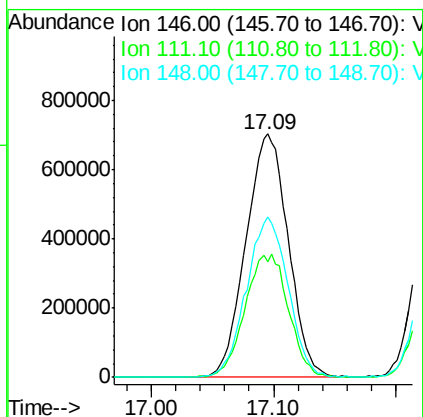
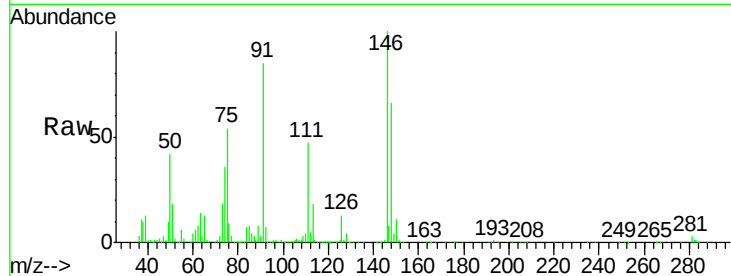
#75
 1,3-Dichlorobenzene
 Concen: 8.635 ppbv
 RT: 17.09 min Scan# 4450
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	51.9	25.9	77.8
148	65.0	32.6	97.7

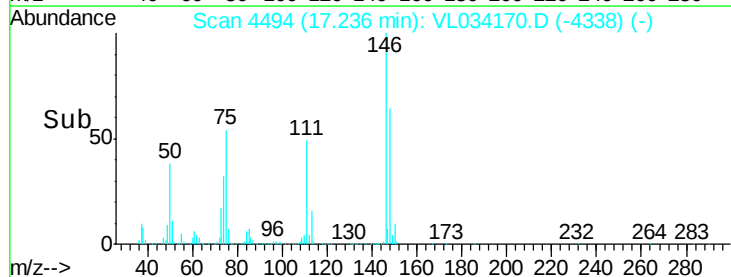
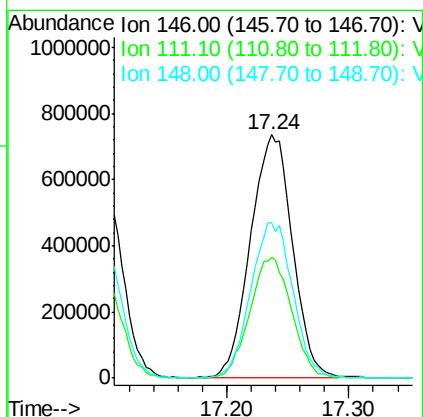
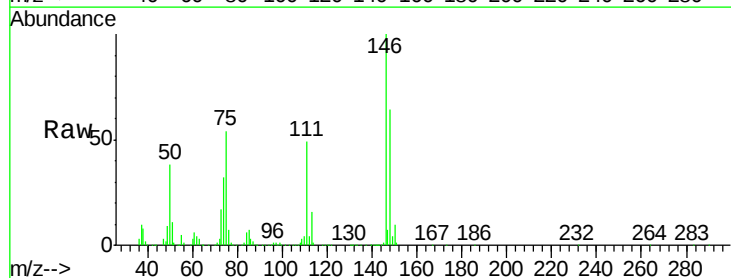
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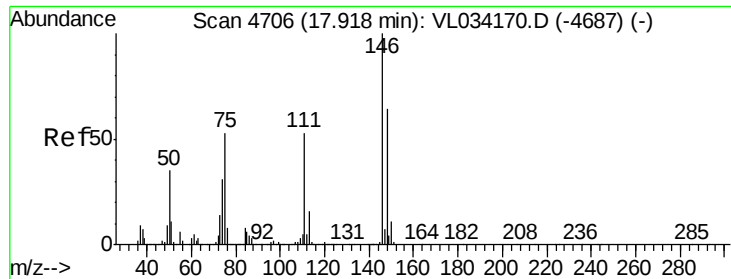
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#76
 1,4-Dichlorobenzene
 Concen: 8.557 ppbv
 RT: 17.24 min Scan# 4494
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.7	24.6	74.0
148	64.6	32.4	97.0





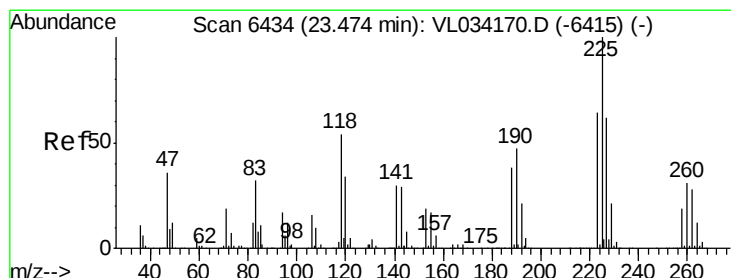
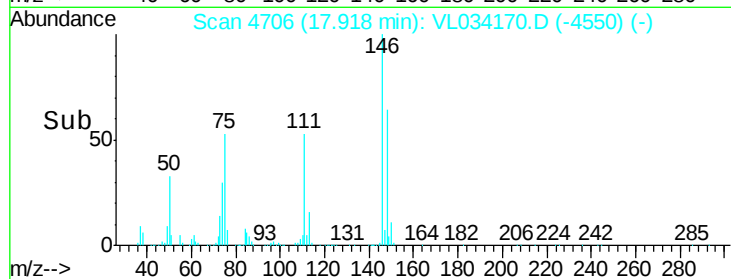
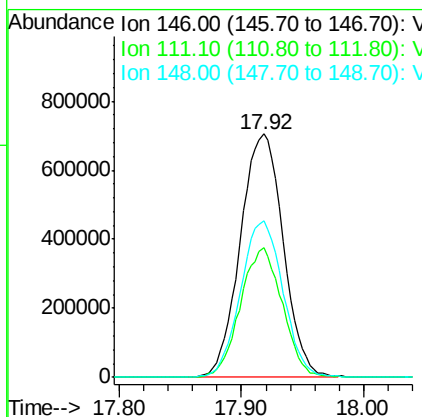
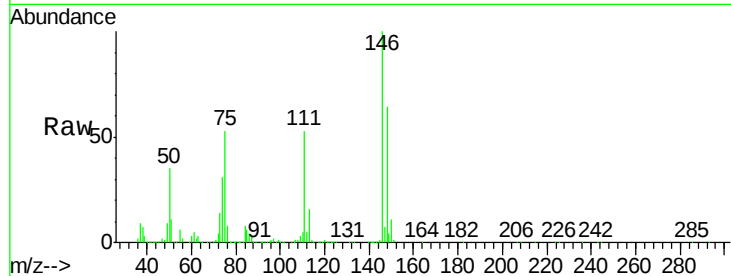
#77
 1,2-Dichlorobenzene
 Concen: 8.571 ppbv
 RT: 17.92 min Scan# 4706
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:146 Resp: 1709744
 Ion Ratio Lower Upper
 146 100
 111 52.2 26.1 78.3
 148 63.8 31.9 95.9

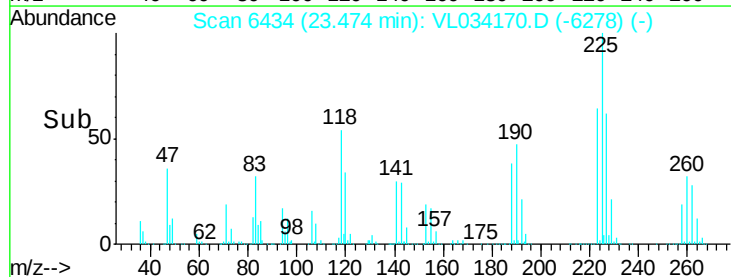
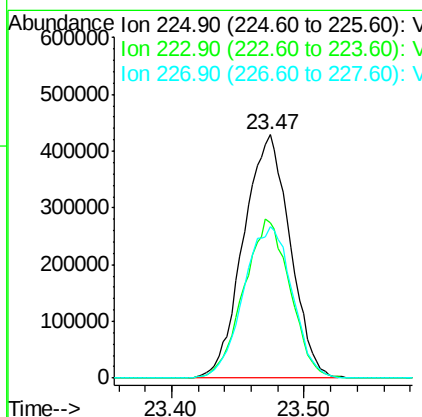
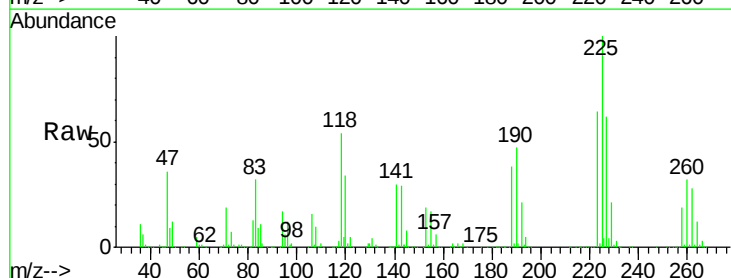
Manual Integrations
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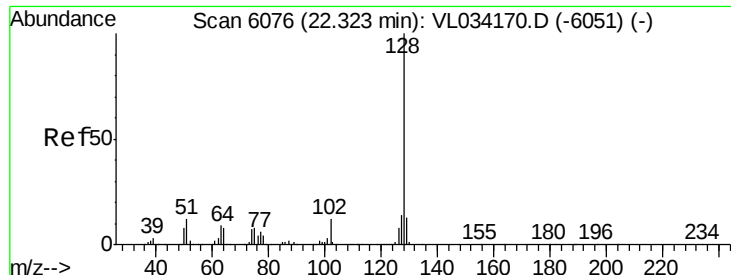
MMDadoda
 9/20/2019 12:43:52 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.819 ppbv
 RT: 23.47 min Scan# 6434
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Tgt Ion:225 Resp: 1052809
 Ion Ratio Lower Upper
 225 100
 223 64.6 51.7 77.5
 227 65.1 52.1 78.1





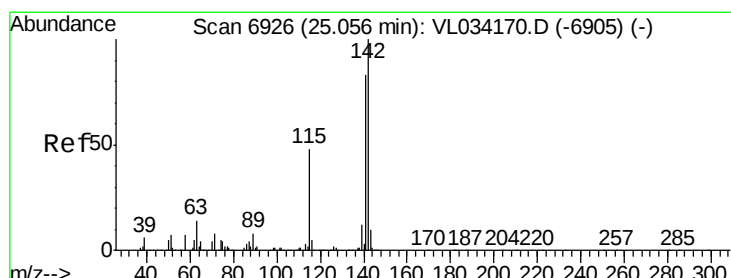
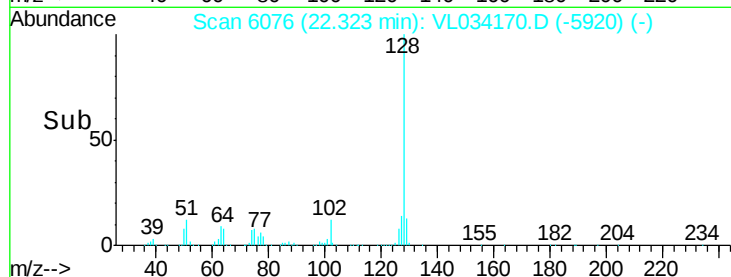
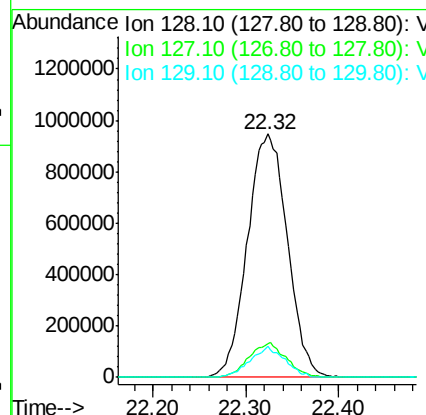
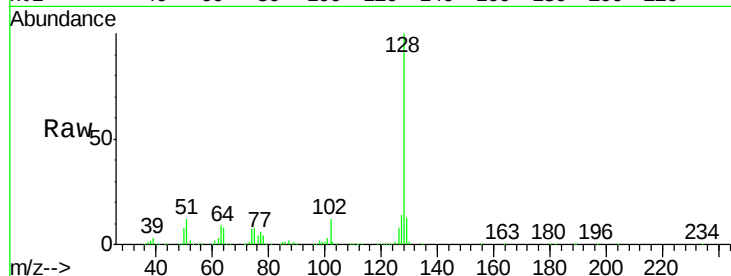
#79
Naphthalene
Concen: 8.621 ppbv
RT: 22.32 min Scan# 6076
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	11.1	16.7
129	12.8	10.2	15.4

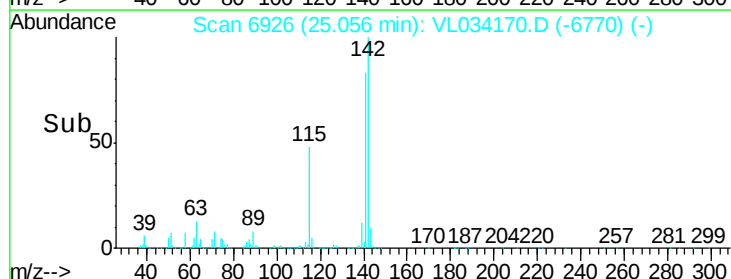
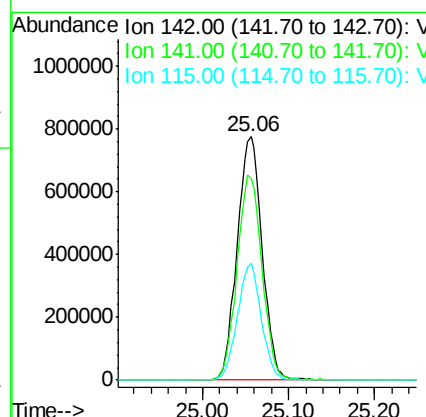
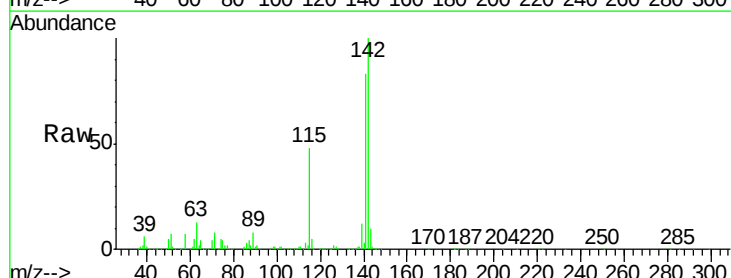
Manual Integrations
APPROVED

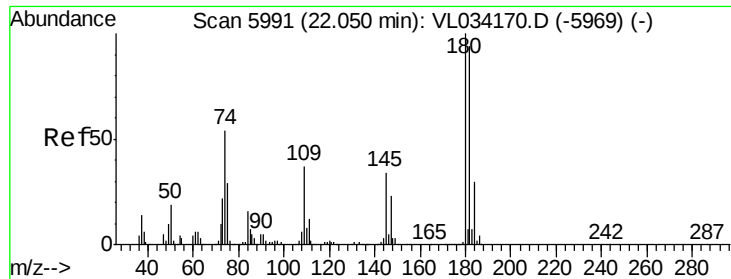
MMDadoda
9/20/2019 12:43:52 AM



#80
Naphthalene, 2-methyl-
Concen: 13.989 ppbv
RT: 25.06 min Scan# 6926
Delta R.T. 0.00 min
Lab File: VL034170.D
Acq: 17 Sep 2019 4:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.5	67.6	101.4
115	46.1	36.9	55.3





#81
 1,2,4-Trichlorobenzene
 Concen: 8.525 ppbv
 RT: 22.05 min Scan# 5991
 Delta R.T. 0.00 min
 Lab File: VL034170.D
 Acq: 17 Sep 2019 4:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	77.4	116.2
184	31.2	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 12:43:52 AM

