

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101719\
 Data File : VL034340.D
 Acq On : 18 Oct 2019 12:05
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 2:56:35 PM

Quant Time: Oct 19 00:35:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 19 00:35:35 2019
 QLast Update : Thu Oct 17 05:12:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	863628	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1814944	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	2086923m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1561611	8.84	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	88.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1295965	8.705	ppbv	100
3) Chlorodifluoromethane	2.97	51	1063233	10.504	ppbv	99
4) Chloromethane	3.12	50	660655	11.034	ppbv	95
5) Vinyl Chloride	3.24	62	603419	10.569	ppbv	96
6) Bromomethane	3.46	94	325173	11.631	ppbv	99
7) Chloroethane	3.55	64	221259	11.011	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	1381248	10.706	ppbv	97
9) Propene	2.99	41	522188	11.637	ppbv	99
10) Heptane	8.17	43	1355422	11.769	ppbv	99
11) Trichlorofluoromethane	3.94	101	1477172	10.450	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1013458	10.944	ppbv	98
13) Ethanol	3.59	45	110105	10.959	ppbv	99
14) Bromoethene	3.73	108	435323	11.939	ppbv	99
15) Acetone	3.84	43	1126833	9.122	ppbv	99
16) 1,3-Butadiene	3.31	39	573535	11.427	ppbv	99
17) tert-Butyl alcohol	4.29	59	1031809	13.087	ppbv	100
18) 1,1-Dichloroethene	4.29	96	465273	11.475	ppbv	93
19) Isopropyl Alcohol	3.96	45	864816	12.550	ppbv	100
20) Methylene Chloride	4.35	84	410934	9.202	ppbv	97
21) Allyl Chloride	4.41	41	791686	11.593	ppbv	100
22) trans-1,2-Dichloroethene	4.89	96	468665	11.588	ppbv	99
23) Vinyl Acetate	5.09	43	1853236	12.013	ppbv	98
24) 1,1-Dichloroethane	5.02	63	1269111	11.085	ppbv	99
25) Ethyl Acetate	5.70	43	2322507	11.136	ppbv	99
26) Hexane	5.71	57	1011044	11.374	ppbv	97
27) Carbon Disulfide	4.55	76	1159602	12.566	ppbv	97
28) Methyl tert-Butyl Ether	5.04	73	1624883	12.078	ppbv	99
29) Chloroform	5.78	83	1548243	11.011	ppbv	99
30) Cyclohexane	7.17	84	806383	12.335	ppbv	96
31) cis-1,2-Dichloroethene	5.57	61	1062074	11.773	ppbv	98
32) 1,1,1-Trichloroethane	6.54	97	1506121	11.015	ppbv	99
34) 2-Butanone	5.26	43	1555986	10.489	ppbv	99
35) Carbon Tetrachloride	7.05	117	1544678	9.771	ppbv	99
36) Benzene	6.93	78	1950527	11.201	ppbv	97
37) 1,2-Dichloroethane	6.34	62	1277285	9.842	ppbv	98
38) Trichloroethene	7.88	130	732669	10.485	ppbv	96
39) 1,2-Dichloropropane	7.65	63	810500	10.809	ppbv	97
40) 1,4-Dioxane	7.87	88	296482	11.251	ppbv	94
41) Tetrahydrofuran	6.07	42	918965	11.162	ppbv	98
42) Bromodichloromethane	7.84	83	1701233	10.702	ppbv	99
43) Methyl Methacrylate	8.06	69	829991	11.524	ppbv	95

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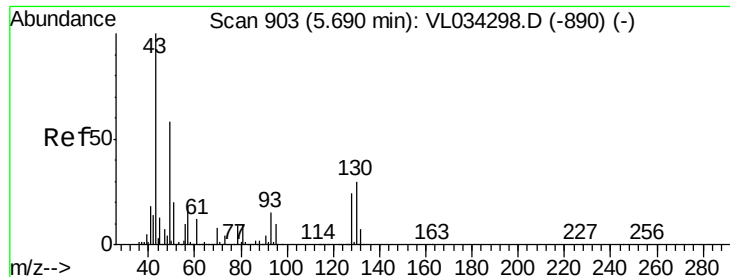
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101619AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3398129	10.543	ppbv	98
45) t-1,3-Dichloropropene	9.33	75	1091055	12.434	ppbv	100
46) cis-1,3-Dichloropropene	8.75	75	1246506	12.365	ppbv	96
47) 1,1,2-Trichloroethane	9.53	97	808292	10.642	ppbv	94
48) Dibromochloromethane	10.37	129	1387149	11.134	ppbv	100
49) Bromoform	13.11	173	1256340	11.380	ppbv	100
50) 4-Methyl-2-Pentanone	8.79	43	2308502	10.870	ppbv	98
51) 2-Hexanone	10.19	43	1934730	11.113	ppbv #	98
52) Tetrachloroethene	11.29	164	729562	10.688	ppbv	96
53) Toluene	9.86	91	2264499	11.784	ppbv	100
54) 1,2-Dibromoethane	10.67	107	1217118	10.812	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.19	131	917055	9.535	ppbv	98
57) Chlorobenzene	12.21	112	1664782	9.562	ppbv	98
58) Ethyl Benzene	12.78	91	3060072	10.489	ppbv	99
59) m/p-Xylene	13.06	91	4967576m	19.653	ppbv	
60) o-Xylene	13.76	91	2474325	9.831	ppbv	99
61) Styrene	13.60	104	1903837	10.744	ppbv	98
62) Isopropylbenzene	14.74	105	3249047	9.779	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.75	83	1712184	8.465	ppbv	100
64) n-propylbenzene	15.64	120	855483	10.033	ppbv	99
65) tert-Butylbenzene	16.82	119	2837029	9.634	ppbv	98
66) Benzyl Chloride	17.07	91	1318423	11.336	ppbv	99
67) sec-Butylbenzene	17.37	105	3922905	9.466	ppbv	99
69) p-Isopropyltoluene	17.73	119	3263740	9.660	ppbv	98
70) n-Butylbenzene	18.63	91	3466492	9.430	ppbv	99
71) 2-Chlorotoluene	15.53	91	2550437	9.900	ppbv	100
72) 4-Ethyltoluene	15.91	105	2855766	10.094	ppbv	99
73) 1,3,5-Trimethylbenzene	16.07	105	2717696	9.695	ppbv	97
74) 1,2,4-Trimethylbenzene	16.84	105	2756182	9.428	ppbv	97
75) 1,3-Dichlorobenzene	17.08	146	1588060	9.048	ppbv	98
76) 1,4-Dichlorobenzene	17.22	146	1593822	9.297	ppbv	99
77) 1,2-Dichlorobenzene	17.90	146	1546299m	8.986	ppbv	
78) Hexachloro-1,3-Butadiene	23.46	225	1363945	9.582	ppbv	100
79) Naphthalene	22.31	128	2753261	12.893	ppbv	98
80) Naphthalene, 2-methyl-	25.04	142	882788	14.301	ppbv	99
81) 1,2,4-Trichlorobenzene	22.04	180	724573	5.195	ppbv #	1

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



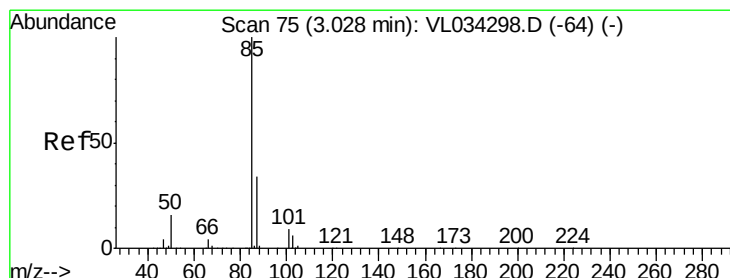
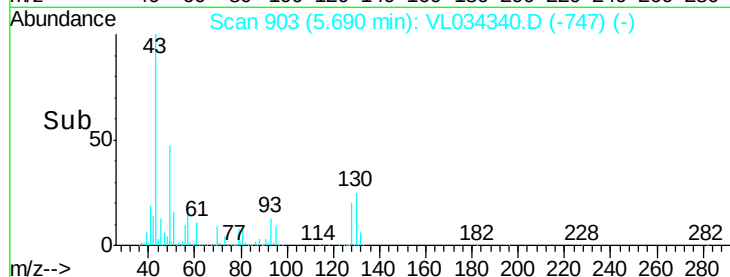
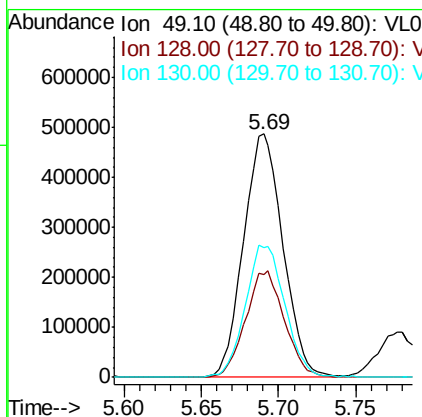
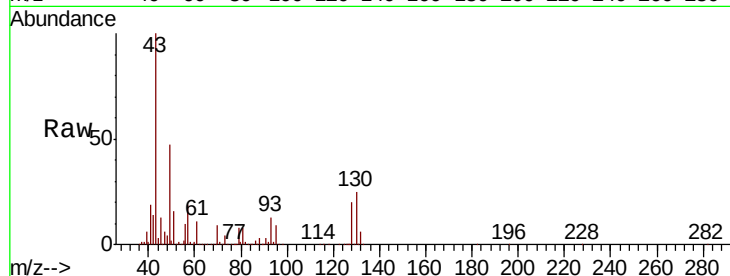
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.69 min Scan# 903
 Delta R.T. 0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Instrument :
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Tot Ion	Ratio	Lower	Upper
49	100		
128	43.2	20.6	61.8
130	55.0	26.2	78.5

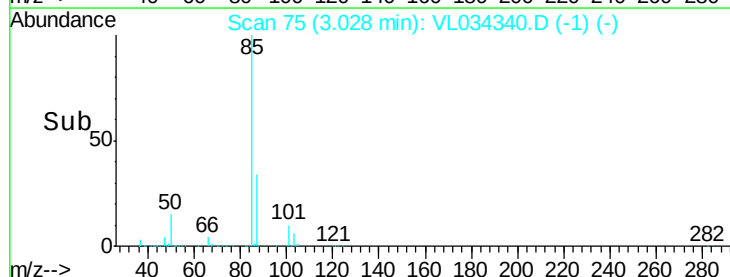
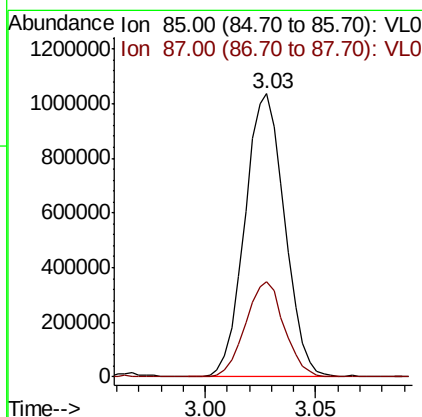
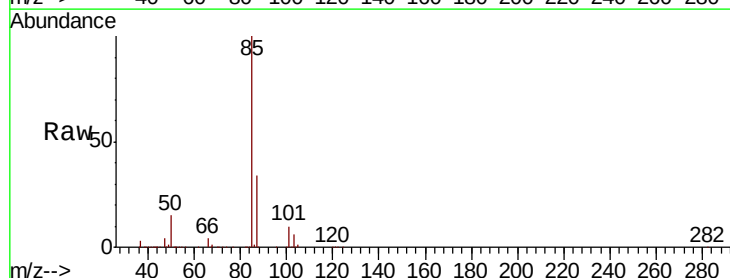
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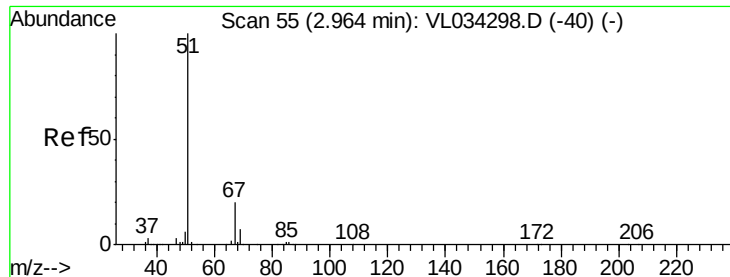
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#2
 Dichlorodifluoromethane
 Concen: 8.705 ppbv
 RT: 3.03 min Scan# 75
 Delta R.T. 0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.8	27.0	40.6





#3

Chlorodifluoromethane

Concen: 10.504 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 1063233

Ion Ratio Lower Upper

51 100

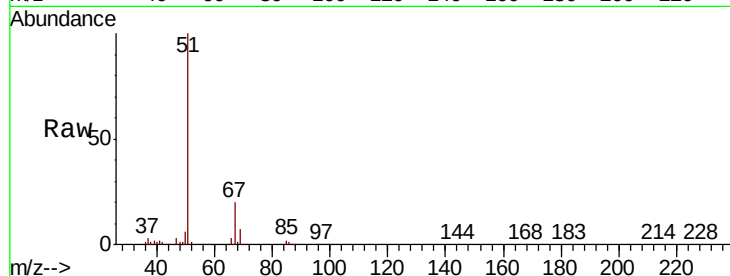
67 19.6 15.8 23.8

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

800000

600000

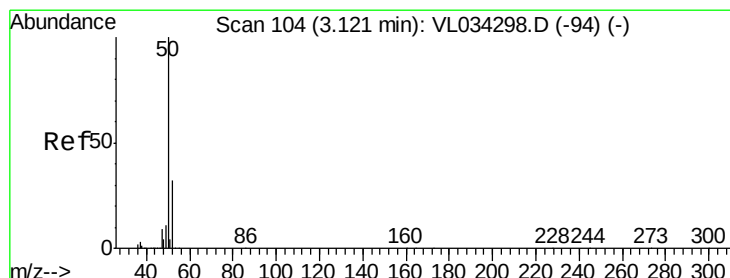
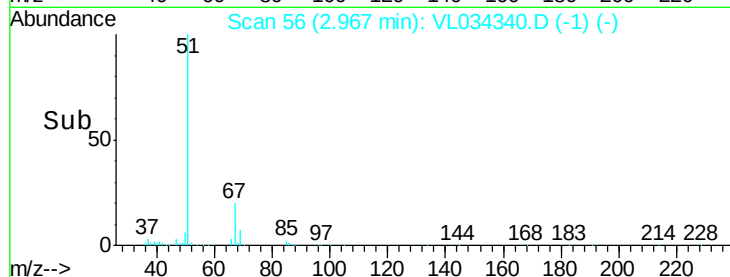
400000

200000

0

2.90 2.95 3.00

Time-->



#4

Chloromethane

Concen: 11.034 ppbv

RT: 3.12 min Scan# 104

Delta R.T. 0.00 min

Lab File: VL034340.D

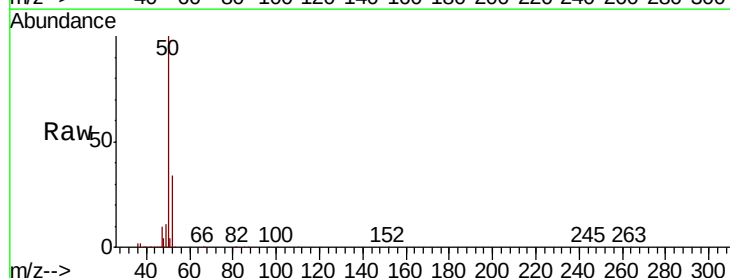
Acq: 18 Oct 2019 12:05

Tgt Ion: 50 Resp: 660655

Ion Ratio Lower Upper

50 100

52 34.5 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

500000

400000

300000

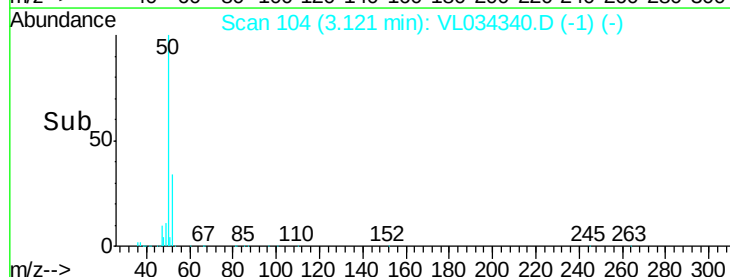
200000

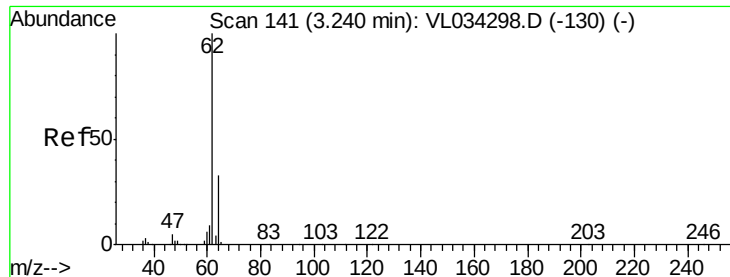
100000

0

3.10 3.15

Time-->





#5

Vinyl Chloride

Concen: 10.569 ppbv

RT: 3.24 min Scan# 140

Delta R.T. -0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleID :

VSTDCCC010EC

Tot Ion: 62 Resp: 603419

Ion Ratio Lower Upper

62 100

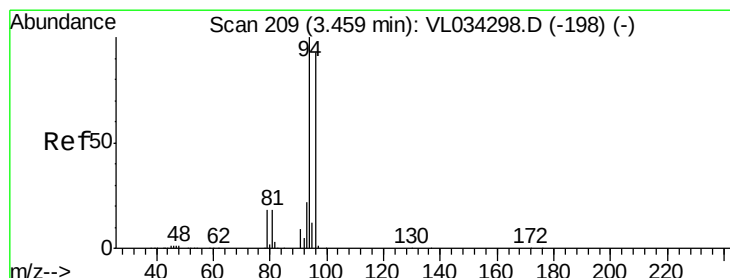
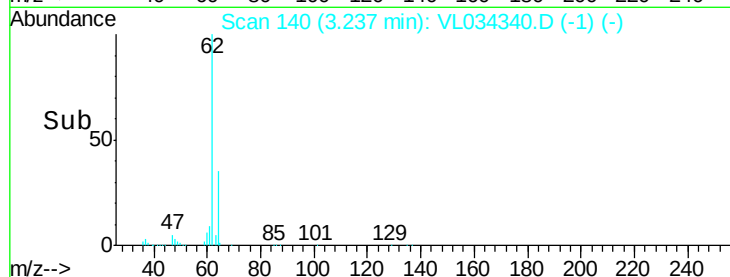
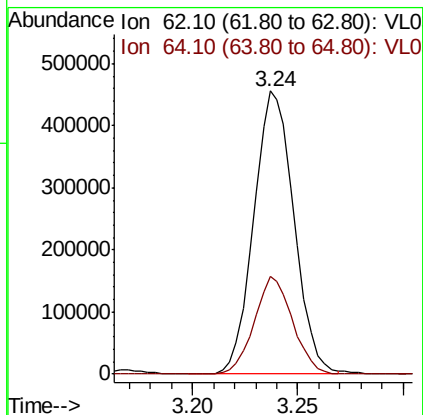
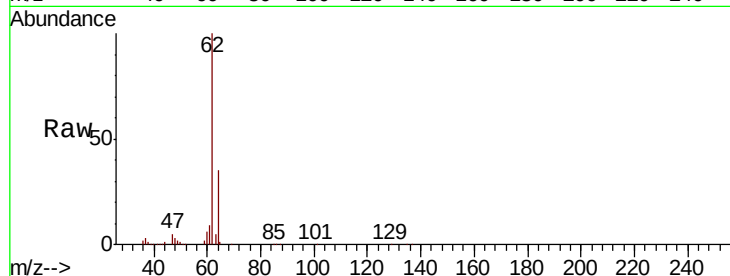
64 34.6 26.0 39.0

Manual Integrations

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#6

Bromomethane

Concen: 11.631 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.00 min

Lab File: VL034340.D

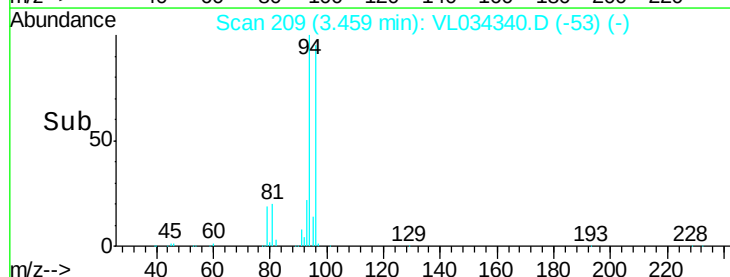
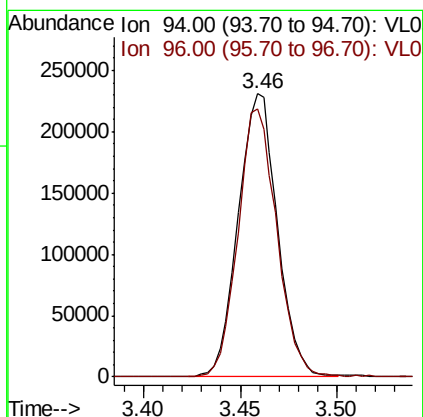
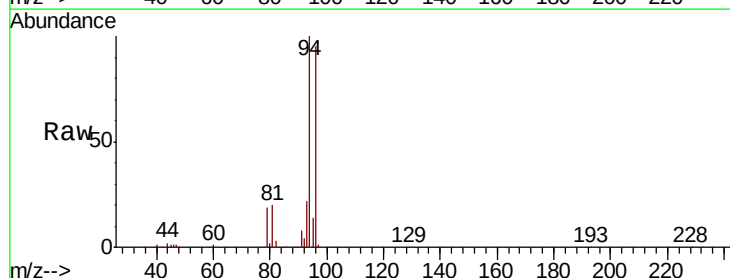
Acq: 18 Oct 2019 12:05

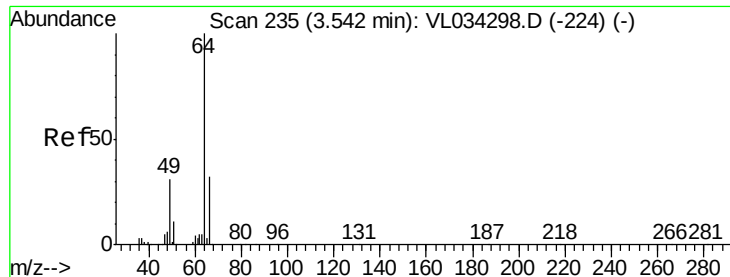
Tgt Ion: 94 Resp: 325173

Ion Ratio Lower Upper

94 100

96 94.7 74.6 112.0





#7

Chloroethane

Concen: 11.011 ppbv

RT: 3.55 min Scan# 236

Delta R.T. 0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 221259

Ion Ratio Lower Upper

64 100

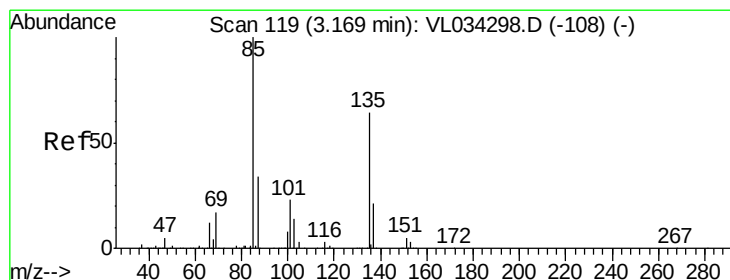
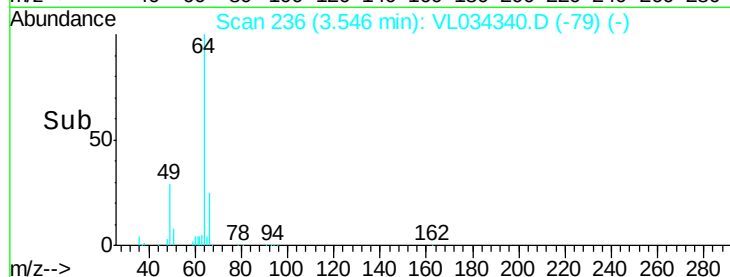
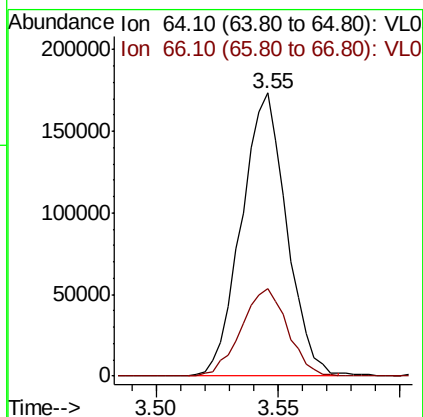
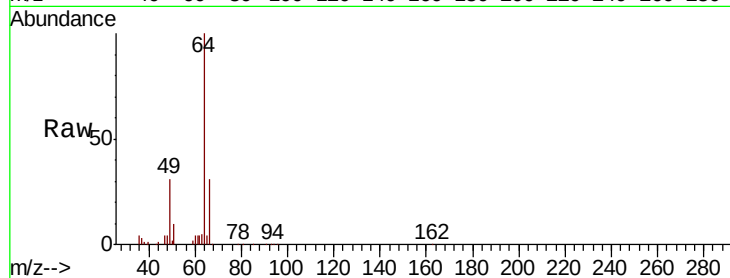
66 30.8 25.4 38.0

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 10.706 ppbv

RT: 3.17 min Scan# 119

Delta R.T. 0.00 min

Lab File: VL034340.D

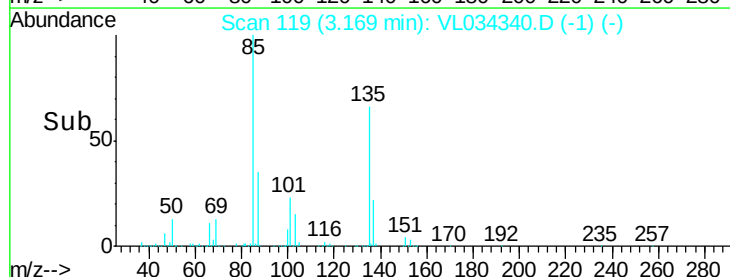
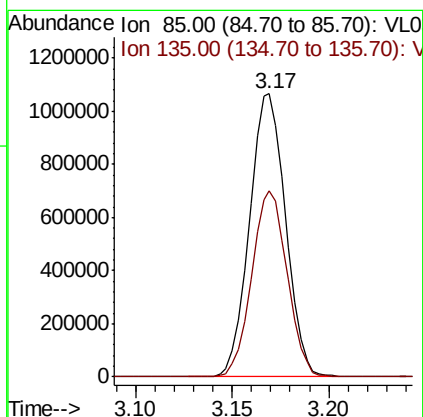
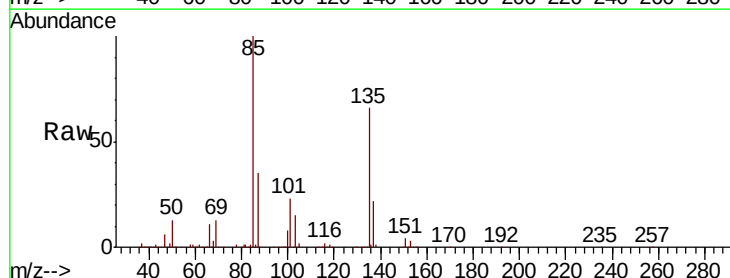
Acq: 18 Oct 2019 12:05

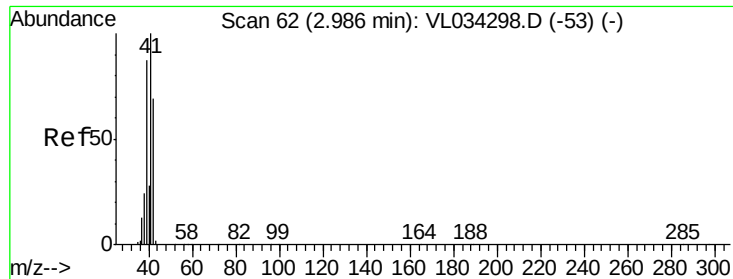
Tgt Ion: 85 Resp: 1381248

Ion Ratio Lower Upper

85 100

135 64.7 50.2 75.2





#9

Propene

Concen: 11.637 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 522188

Ion Ratio Lower Upper

41 100

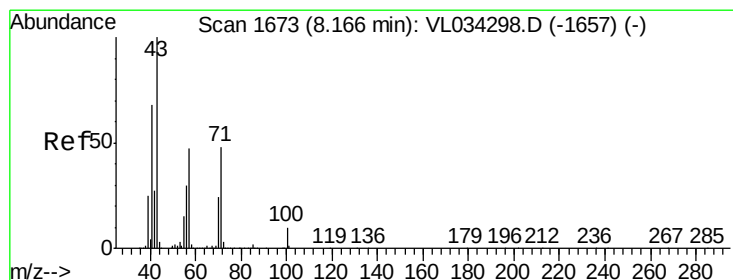
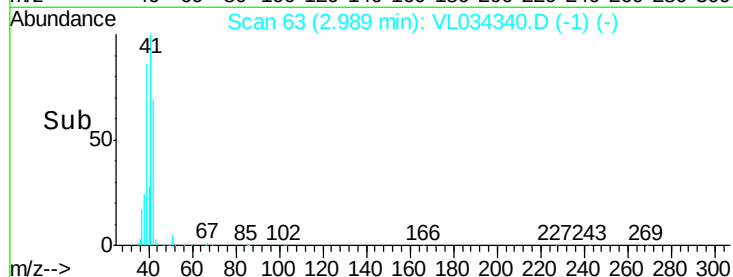
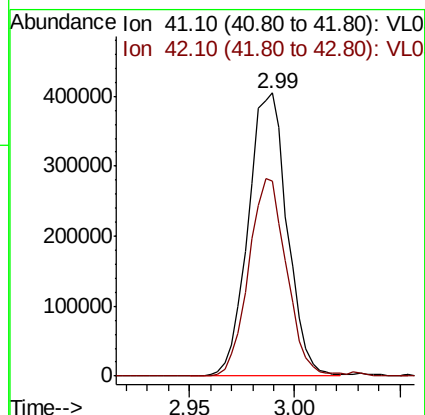
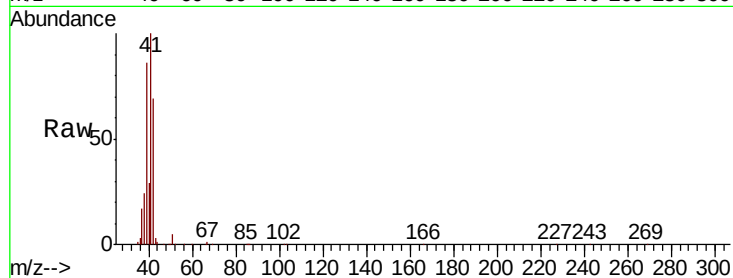
42 68.3 53.9 80.9

Manual Integrations

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#10

Heptane

Concen: 11.769 ppbv

RT: 8.17 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VL034340.D

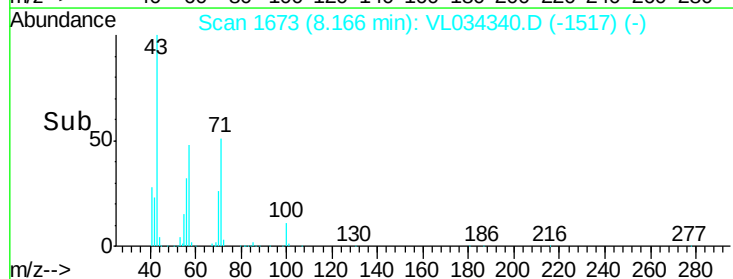
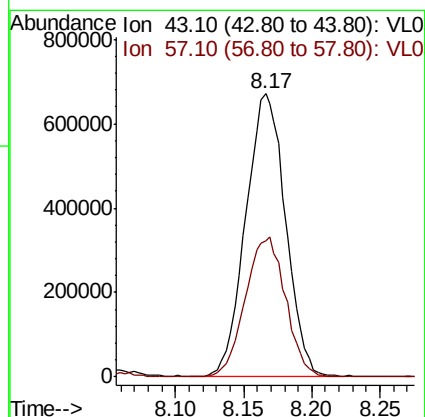
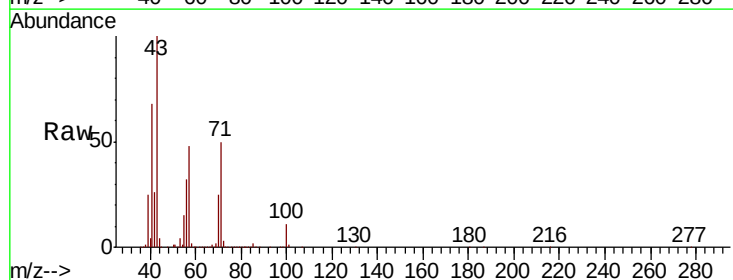
Acq: 18 Oct 2019 12:05

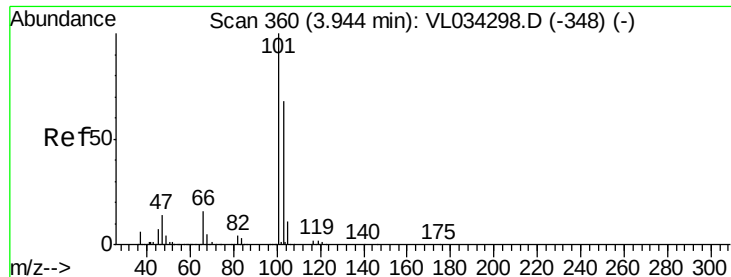
Tgt Ion: 43 Resp: 1355422

Ion Ratio Lower Upper

43 100

57 49.8 39.5 59.3





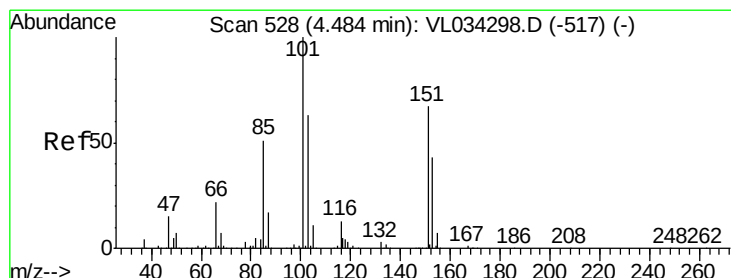
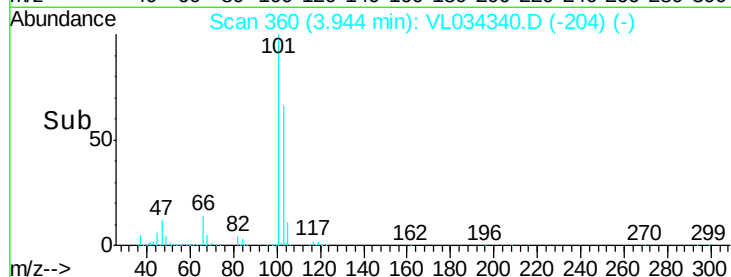
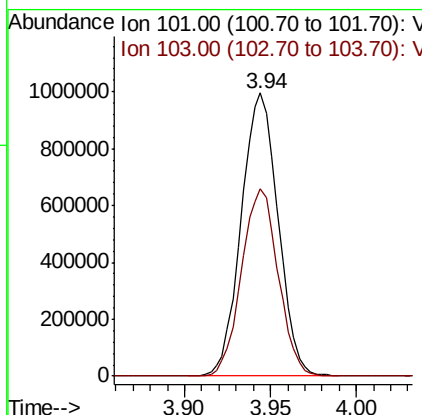
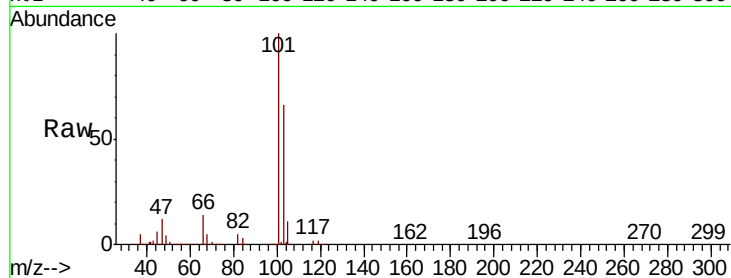
#11
 Trichlorofluoromethane
 Concen: 10.450 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. 0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1477172
 Ion Ratio Lower Upper
 101 100
 103 66.1 54.5 81.7

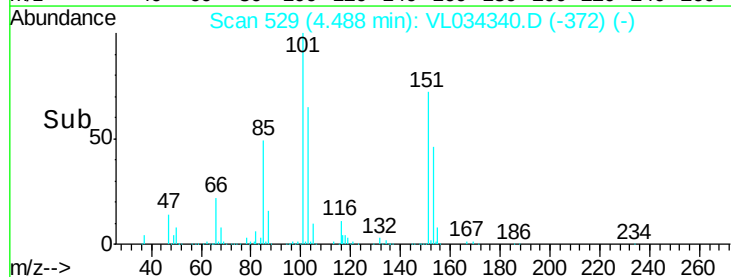
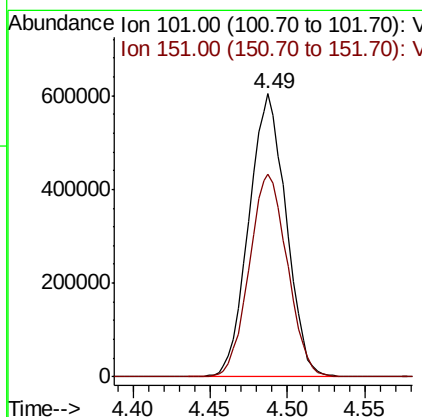
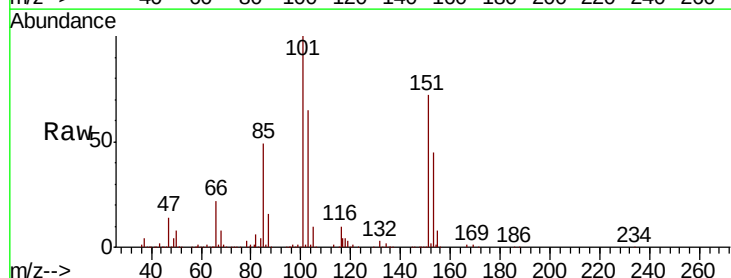
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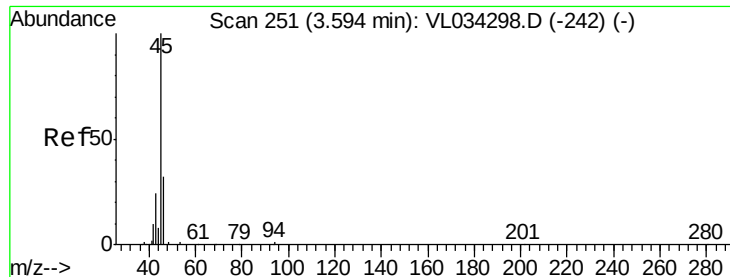
MMDadoda
 10/22/2019 2:56:35 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.944 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Tgt Ion:101 Resp: 1013458
 Ion Ratio Lower Upper
 101 100
 151 73.3 57.4 86.2





#13

Ethanol

Concen: 10.959 ppbv

RT: 3.59 min Scan# 251

Delta R.T. 0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 110105

Ion Ratio Lower Upper

45 100

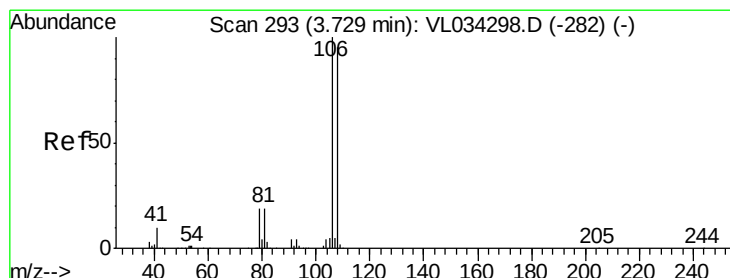
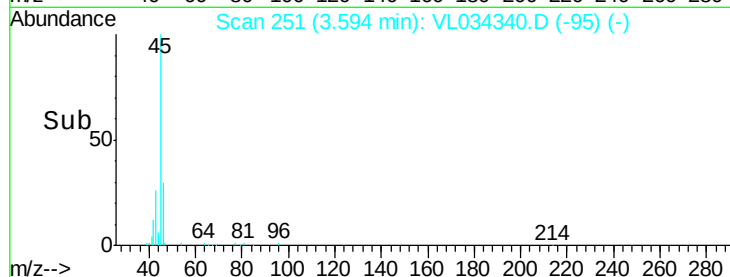
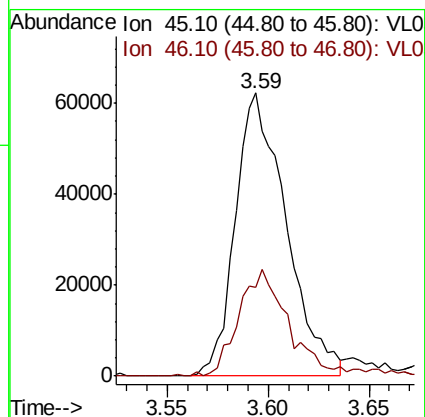
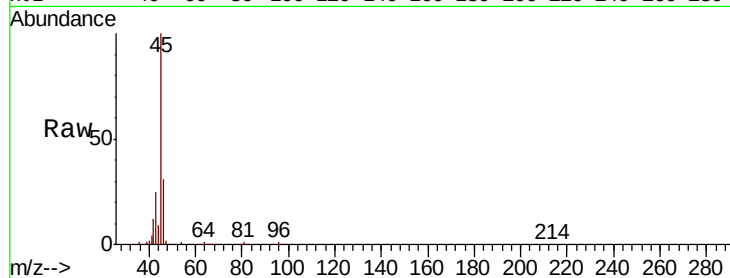
46 38.9 15.8 63.2

Manual Integrations

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#14

Bromoethene

Concen: 11.939 ppbv

RT: 3.73 min Scan# 293

Delta R.T. 0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

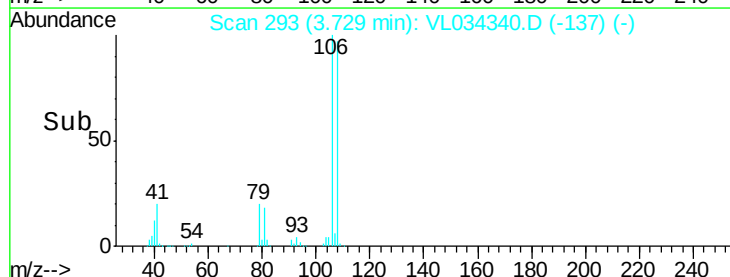
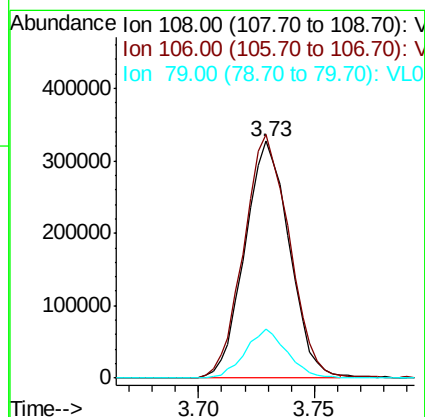
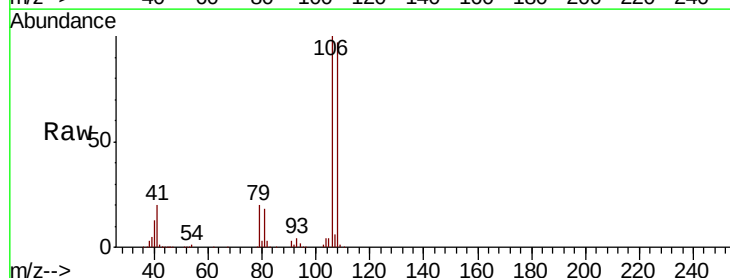
Tgt Ion: 108 Resp: 435323

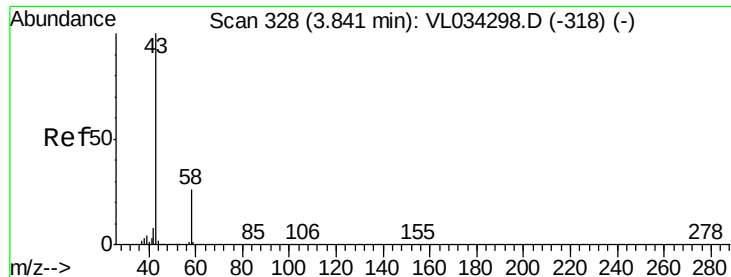
Ion Ratio Lower Upper

108 100

106 106.4 84.8 127.2

79 19.6 17.0 25.4





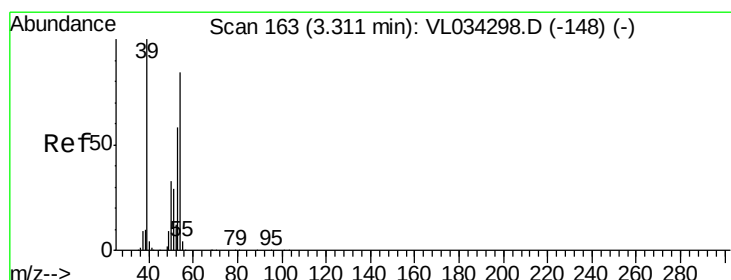
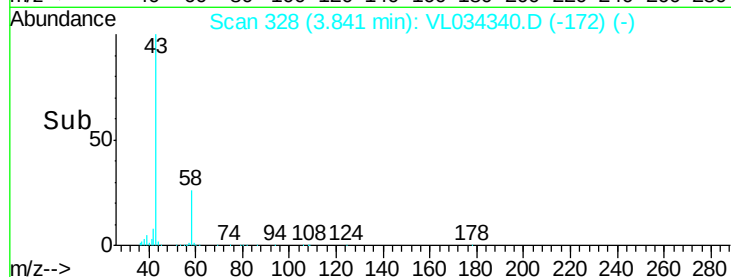
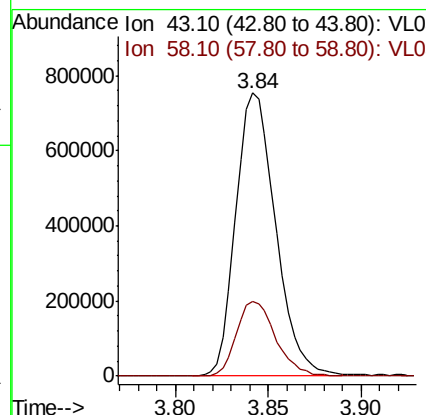
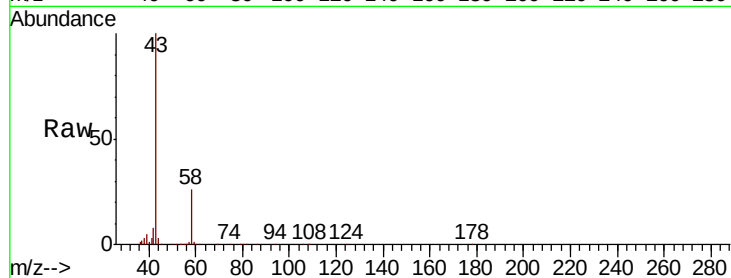
#15
Acetone
Concen: 9.122 ppbv
RT: 3.84 min Scan# 328
Delta R.T. 0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1126833
Ion Ratio Lower Upper
43 100
58 26.2 20.4 30.6

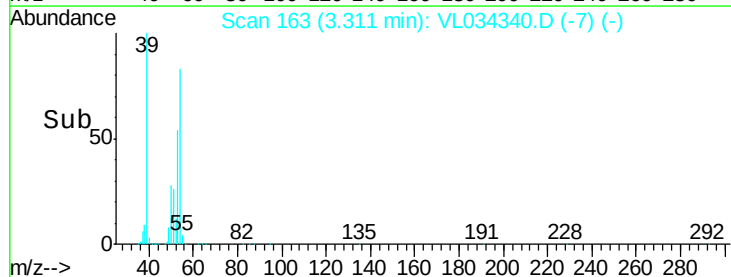
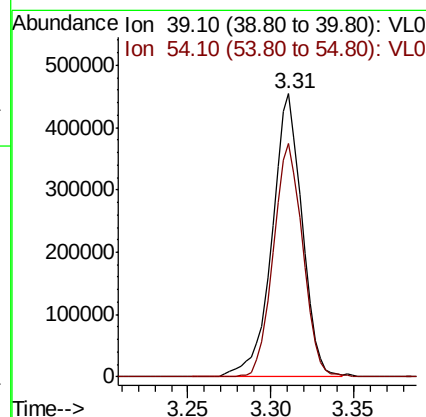
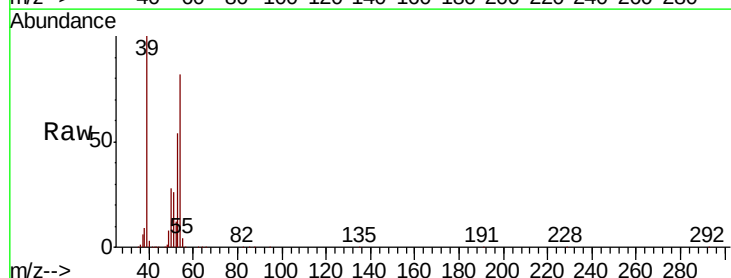
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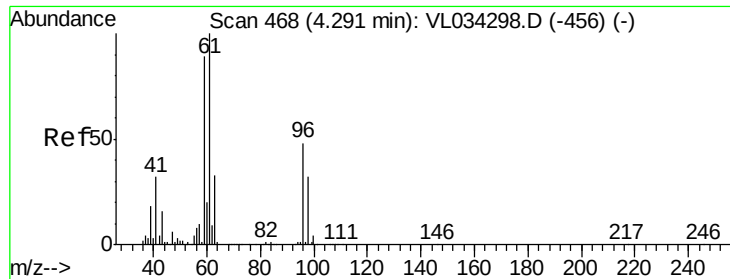
MMDadoda
10/22/2019 2:56:35 PM



#16
1,3-Butadiene
Concen: 11.427 ppbv
RT: 3.31 min Scan# 163
Delta R.T. 0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Tgt Ion: 39 Resp: 573535
Ion Ratio Lower Upper
39 100
54 80.6 63.9 95.9





#17

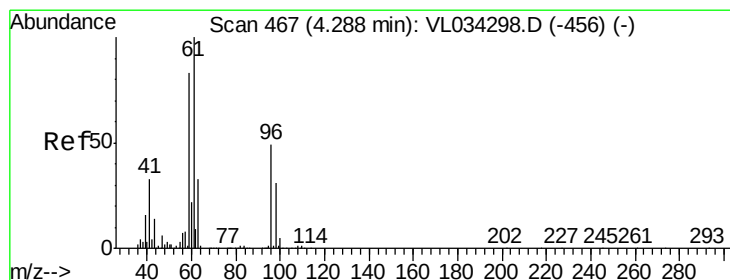
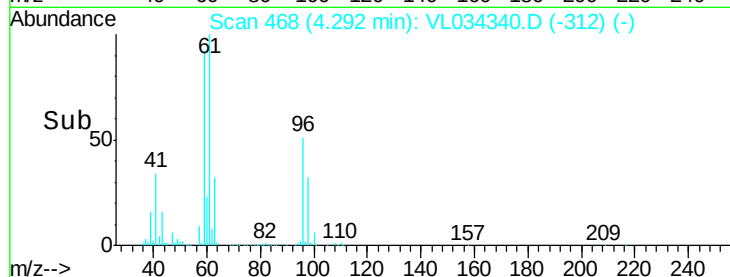
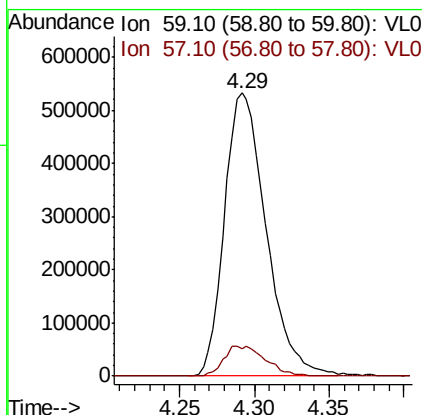
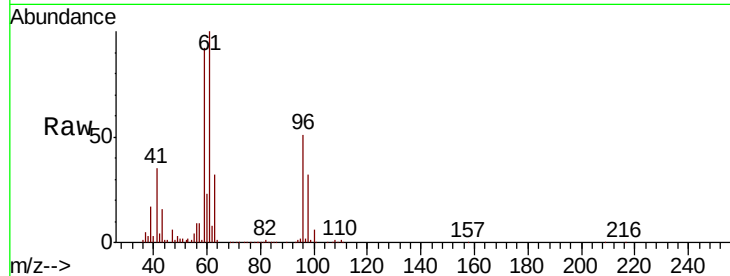
tert-Butyl alcohol
Concen: 13.087 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1031809
Ion Ratio Lower Upper
59 100
57 10.9 8.8 13.2

Manual Integrations
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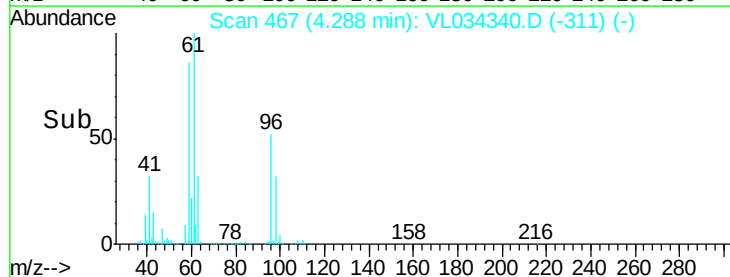
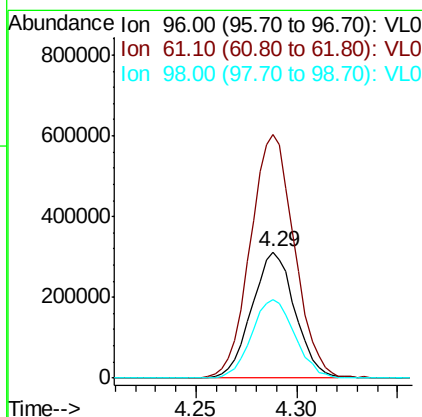
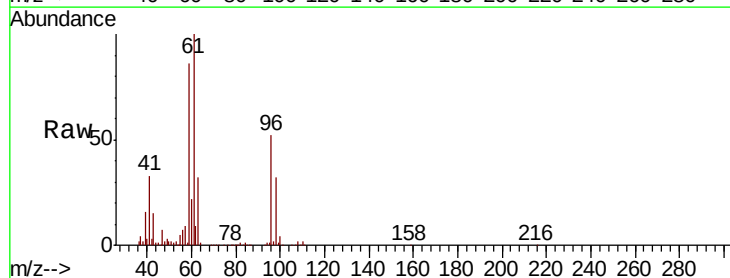
MMDadoda
10/22/2019 2:56:35 PM

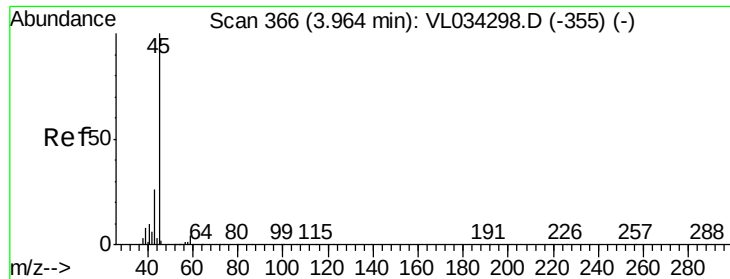


#18

1,1-Dichloroethene
Concen: 11.475 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Tgt Ion: 96 Resp: 465273
Ion Ratio Lower Upper
96 100
61 193.1 164.5 246.7
98 62.7 51.7 77.5





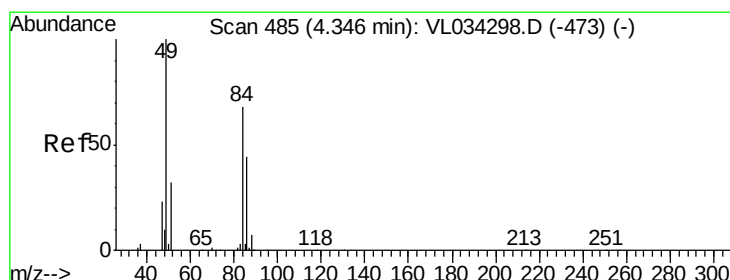
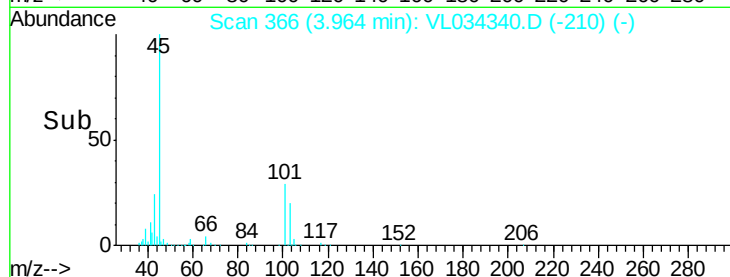
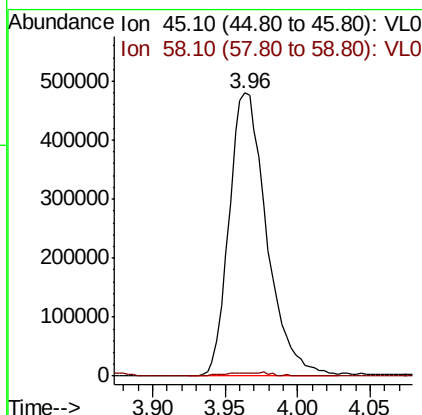
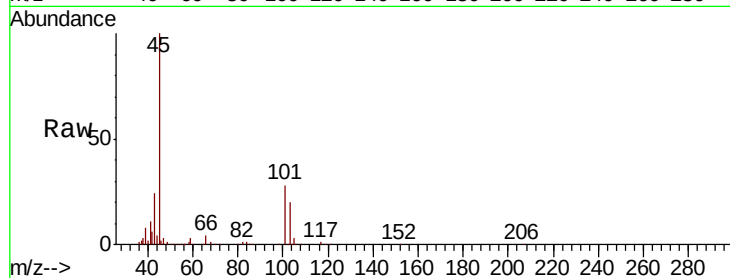
#19
Isopropyl Alcohol
Concen: 12.550 ppbv
RT: 3.96 min Scan# 366
Delta R.T. 0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
58	1.9	1.4	2.2

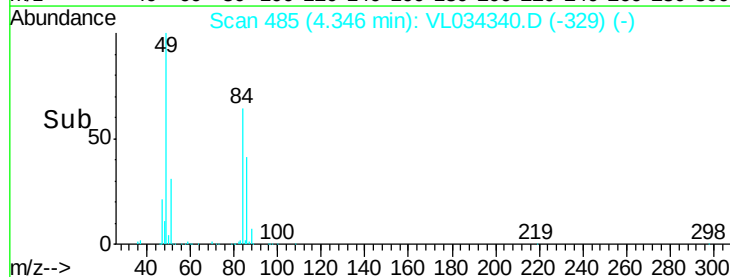
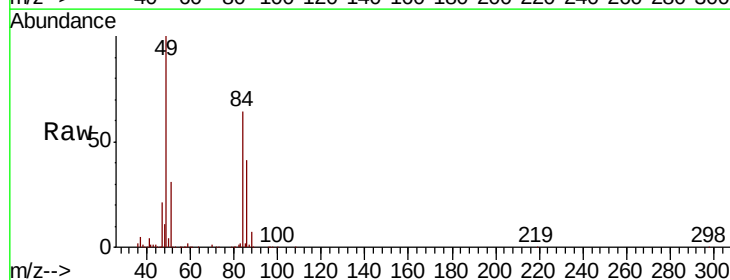
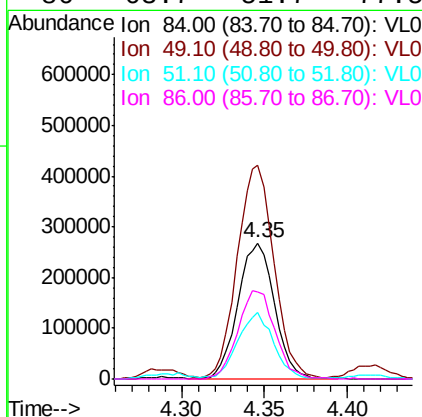
Manual Integrations
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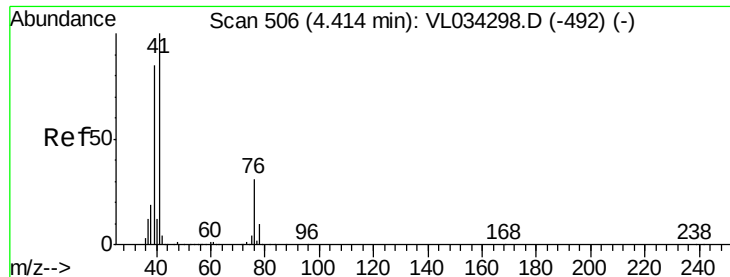
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#20
Methylene Chloride
Concen: 9.202 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	155.0	118.5	177.7
51	48.4	38.8	58.2
86	63.7	51.7	77.5





#21

Allvl Chloride

Concen: 11.593 ppbv

RT: 4.41 min Scan# 506

Delta R.T. 0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

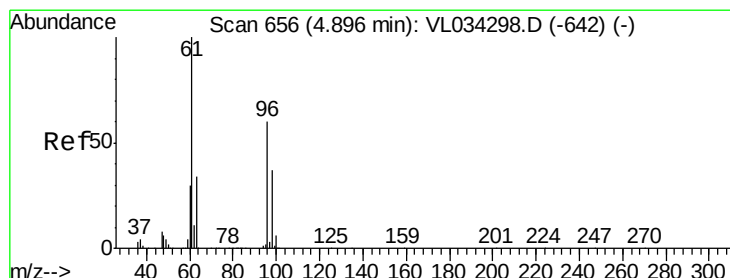
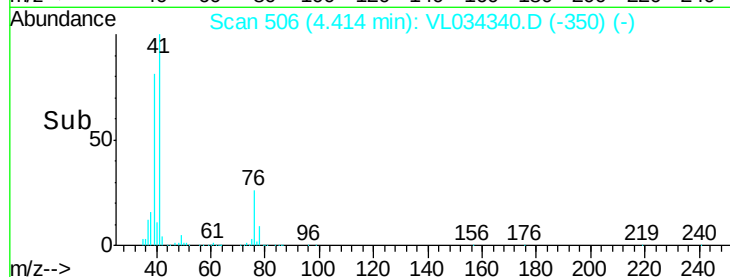
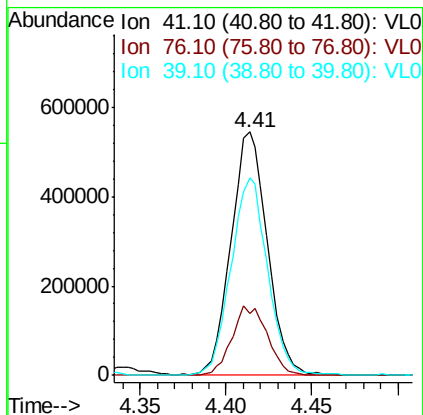
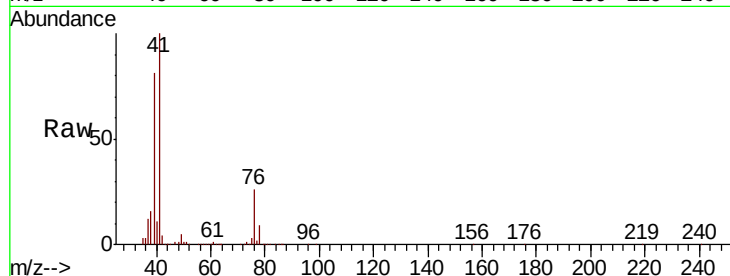
ClientSampleId :

VSTDCCC010EC

Tot Ion:	41	Resp:	791686
Ion Ratio	Lower	Upper	
41	100		
76	28.3	22.8	34.2
39	82.8	66.0	99.0

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#22

trans-1,2-Dichloroethene

Concen: 11.588 ppbv

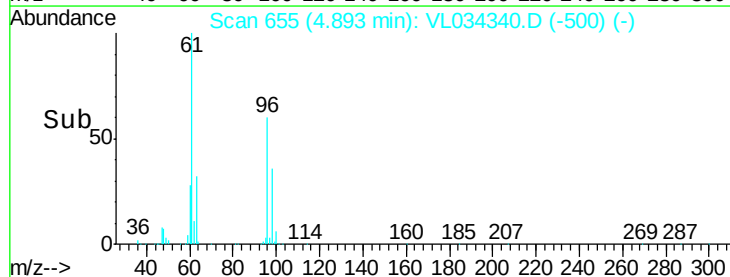
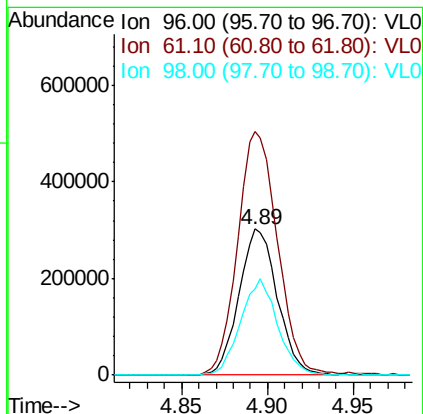
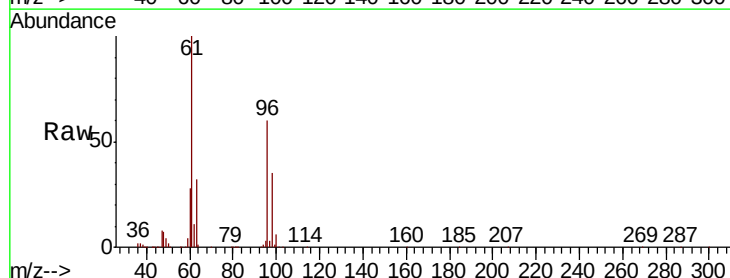
RT: 4.89 min Scan# 655

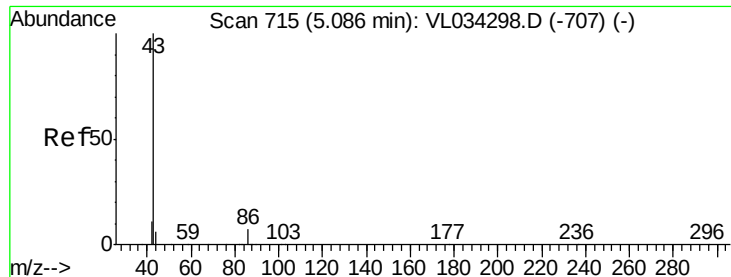
Delta R.T. -0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Tgt Ion:	96	Resp:	468665
Ion Ratio	Lower	Upper	
96	100		
61	166.8	133.8	200.6
98	59.1	49.4	74.0





#23

Vinyl Acetate

Concen: 12.013 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Tot Ion: 43 Resp: 1853236

Ion Ratio Lower Upper

43 100

86 6.9 5.0 7.4

42 9.7 8.6 13.0

44 5.6 4.8 7.2

Instrument :

MSVOA_L

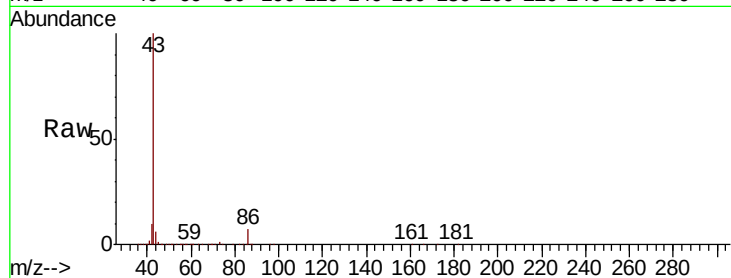
ClientSampleId :

VSTDCCC010EC

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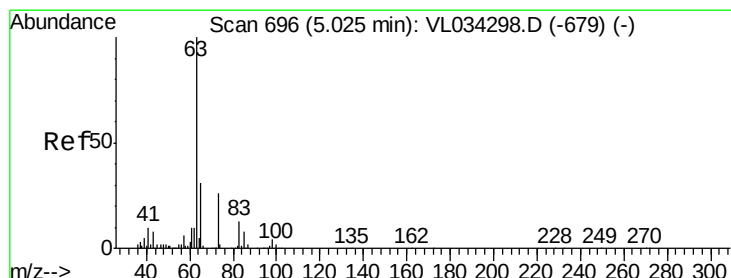
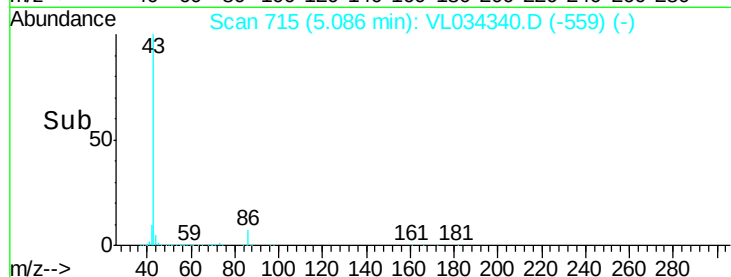
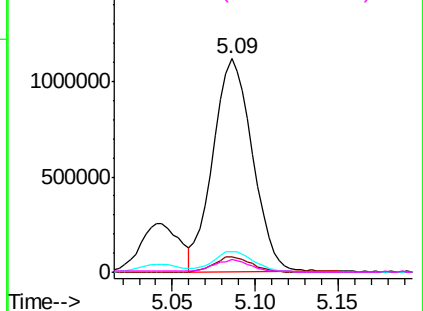


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 11.085 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

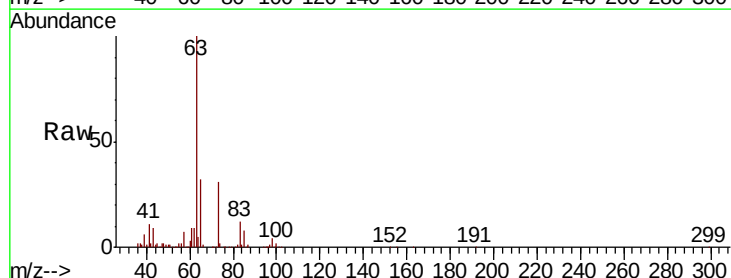
Tgt Ion: 63 Resp: 1269111

Ion Ratio Lower Upper

63 100

98 3.7 2.0 6.0

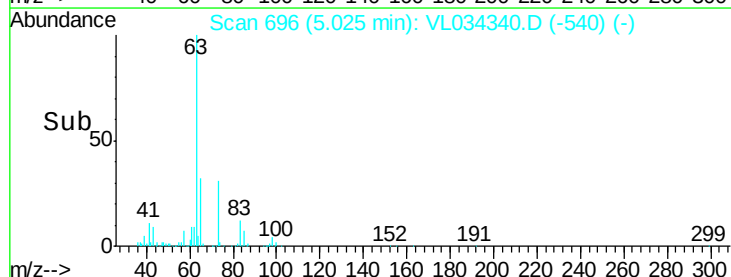
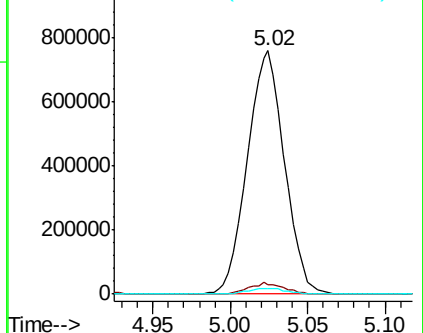
100 2.4 1.1 3.5

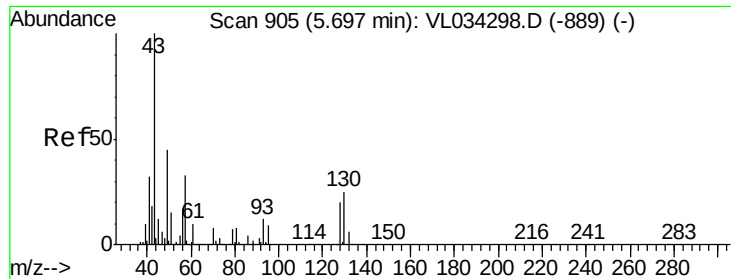


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





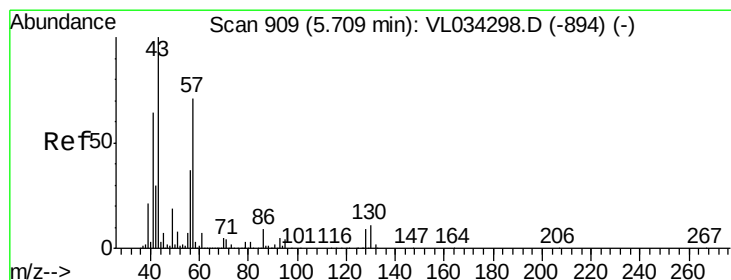
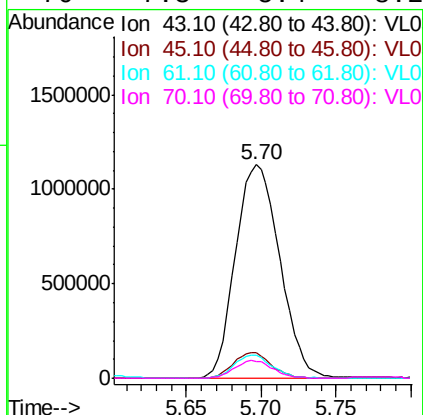
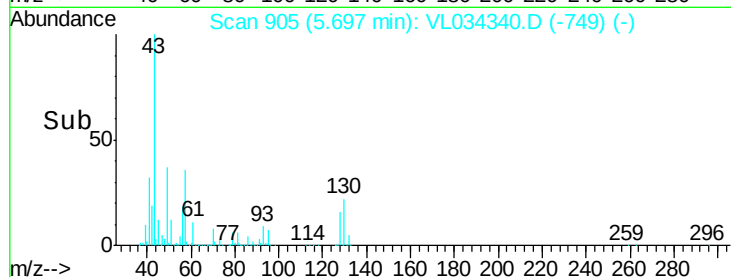
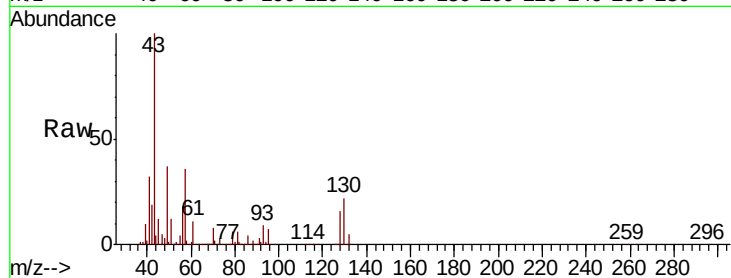
#25
Ethyl Acetate
Concen: 11.136 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.3	8.3	12.5	
61	9.4	7.7	11.5	
70	7.3	5.4	8.2	

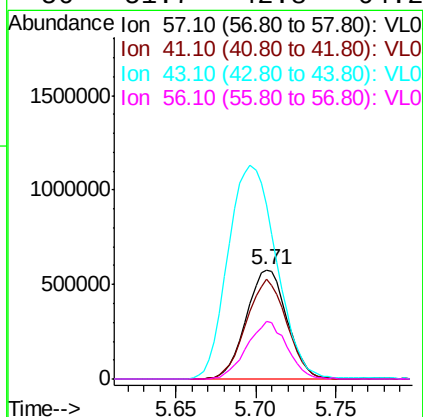
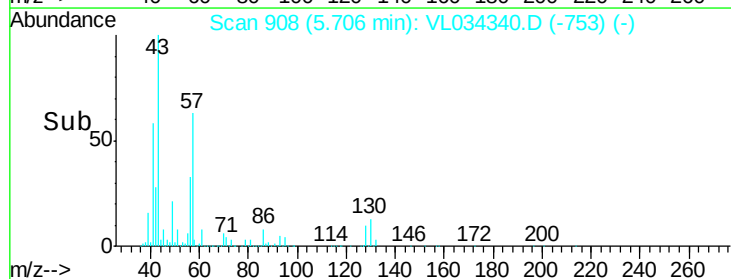
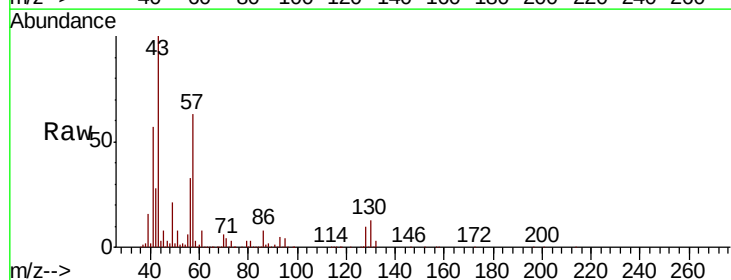
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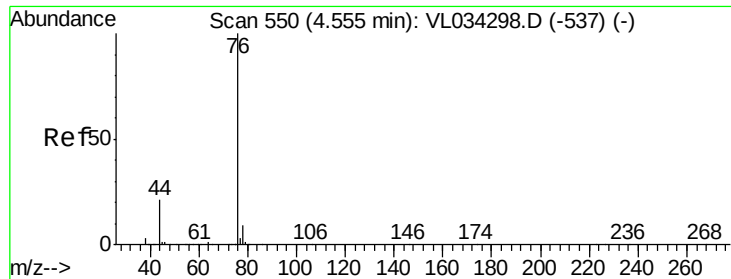
MMDadoda
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#26
Hexane
Concen: 11.374 ppbv
RT: 5.71 min Scan# 908
Delta R.T. -0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	91.4	76.5	114.7	
43	231.9	188.5	282.7	
56	51.7	42.8	64.2	





#27

Carbon Disulfide

Concen: 12.566 ppbv

RT: 4.55 min Scan# 549

Delta R.T. -0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1159602

Ion Ratio Lower Upper

76 100

44 19.7 17.3 25.9

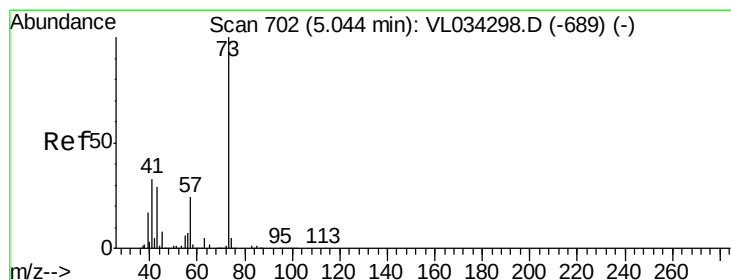
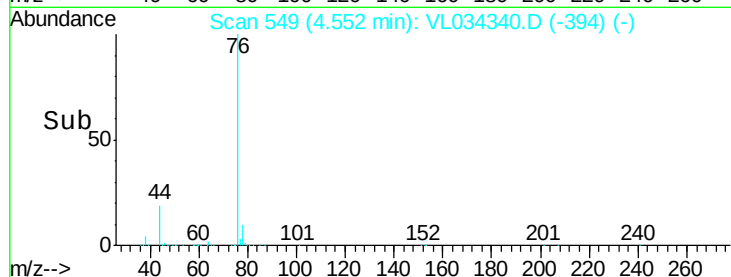
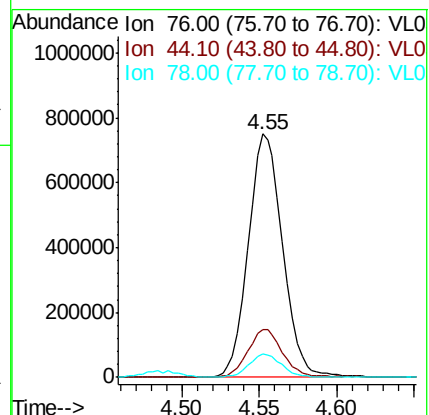
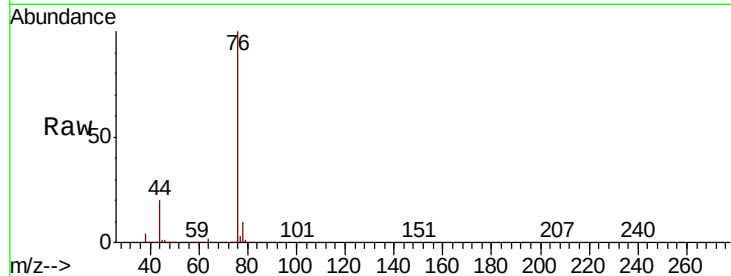
78 9.2 7.8 11.6

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 12.078 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.00 min

Lab File: VL034340.D

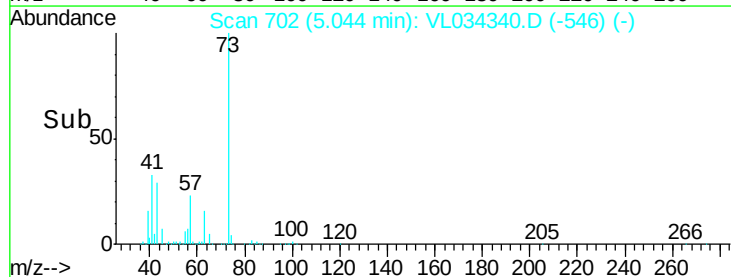
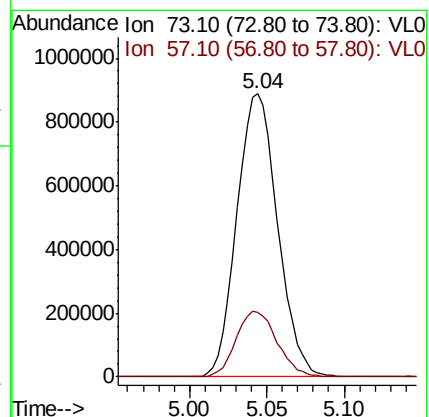
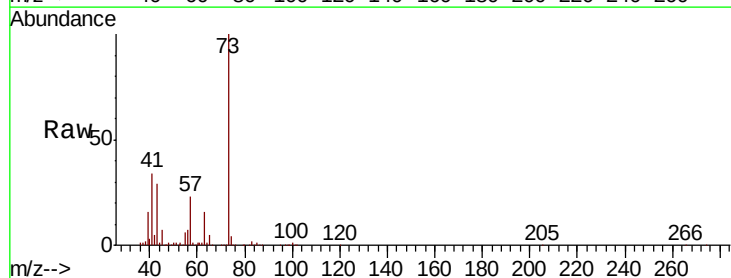
Acq: 18 Oct 2019 12:05

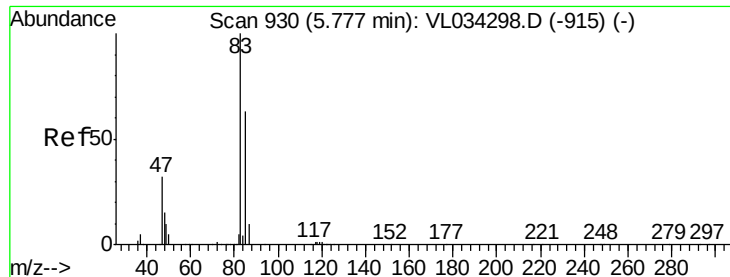
Tgt Ion: 73 Resp: 1624883

Ion Ratio Lower Upper

73 100

57 23.6 19.2 28.8





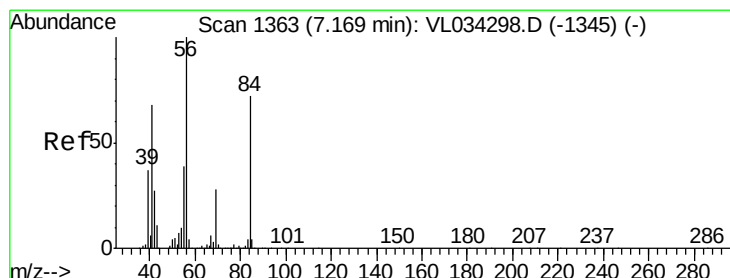
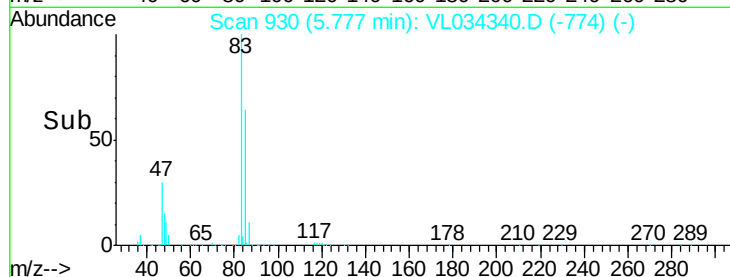
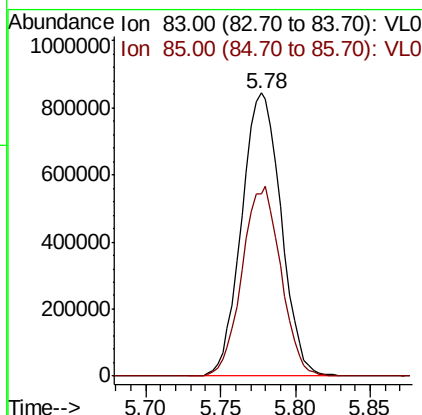
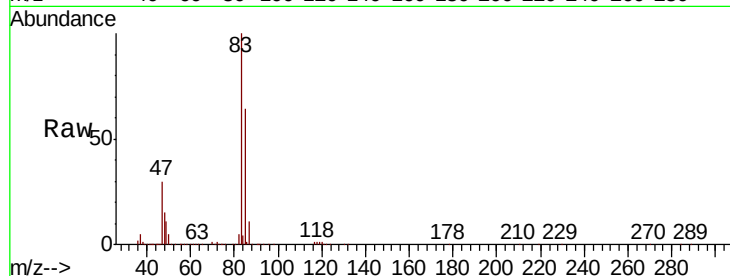
#29
Chloroform
Concen: 11.011 ppbv
RT: 5.78 min Scan# 930
Delta R.T. 0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1548243
Ion Ratio Lower Upper
83 100
85 64.1 50.5 75.7

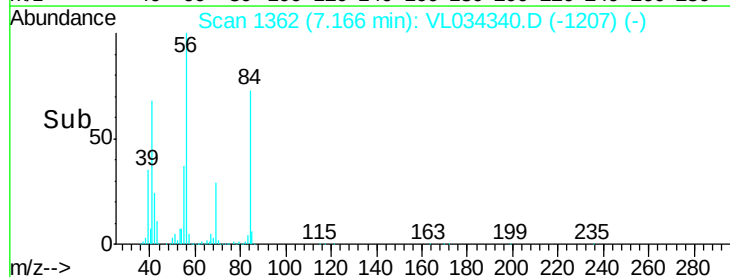
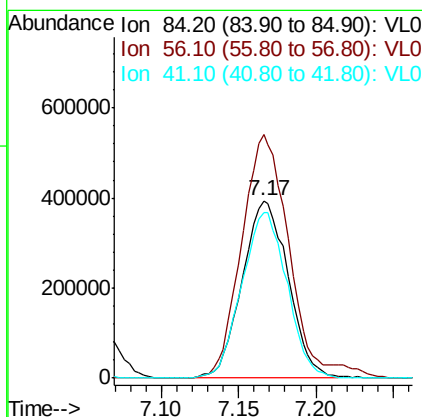
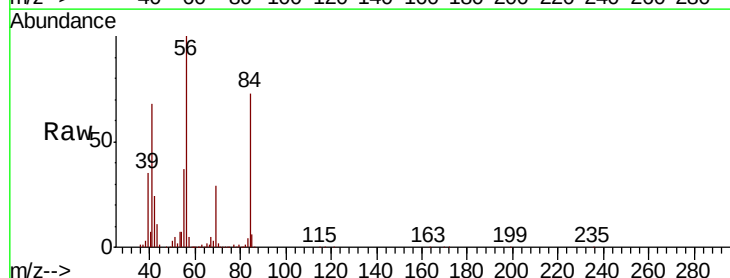
Manual Integrations
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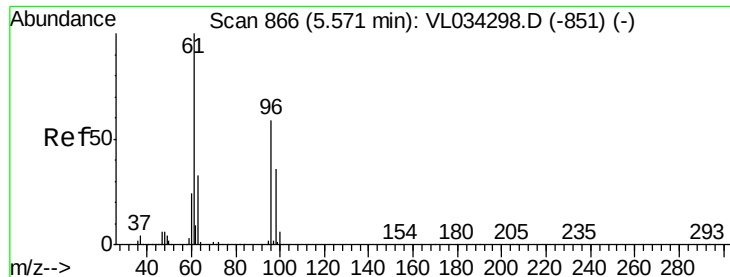
MMDadoda
10/22/2019 2:56:35 PM



#30
Cyclohexane
Concen: 12.335 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Tgt Ion: 84 Resp: 806383
Ion Ratio Lower Upper
84 100
56 144.3 119.4 179.0
41 93.3 78.7 118.1





#31

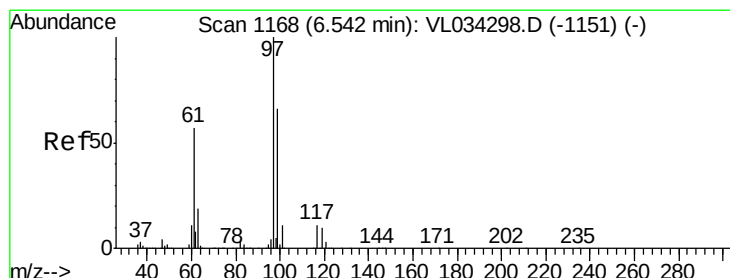
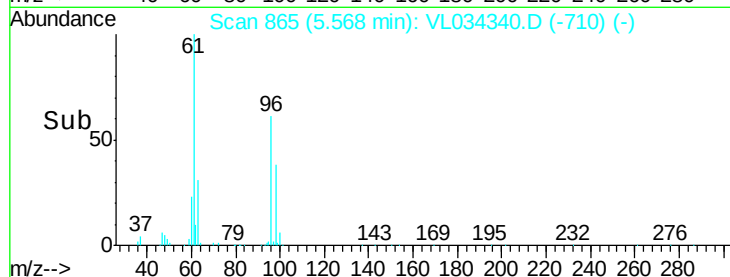
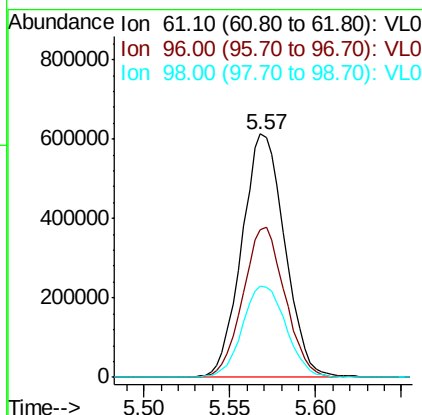
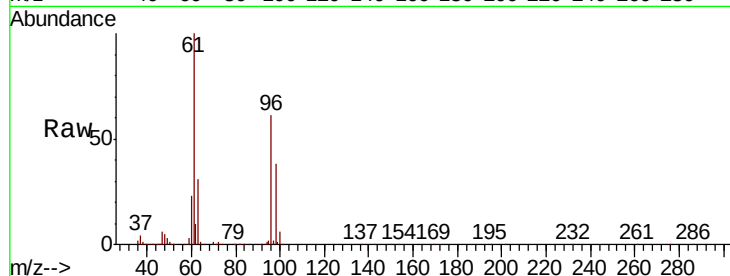
cis-1,2-Dichloroethene
 Concen: 11.773 ppbv
 RT: 5.57 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	61	Resp	1062074
Ion	Ratio	Lower	Upper
61	100		
96	60.5	47.5	71.3
98	37.6	28.8	43.2

Manual Integrations
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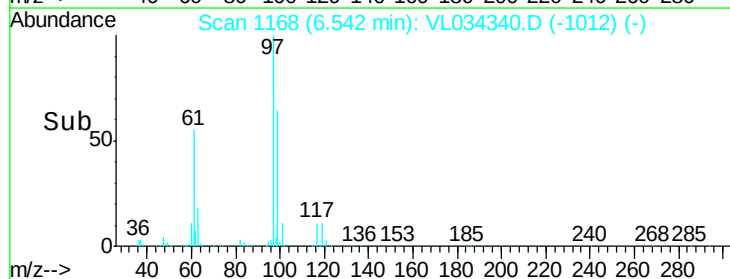
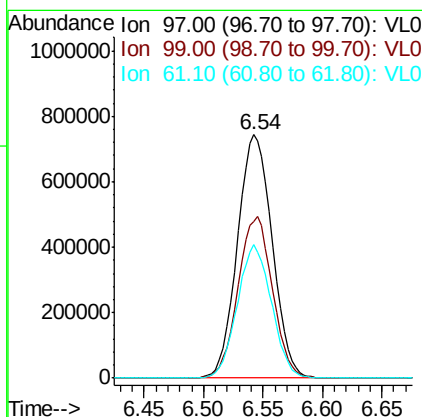
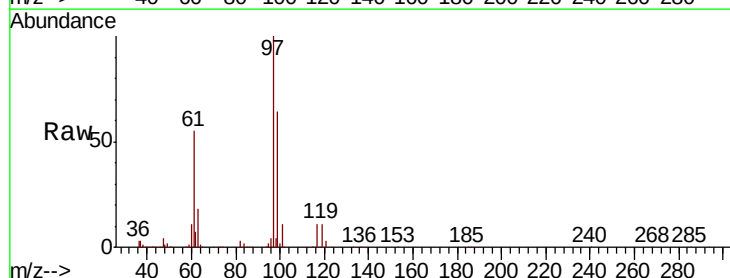
MMDadoda
 10/22/2019 2:56:35 PM

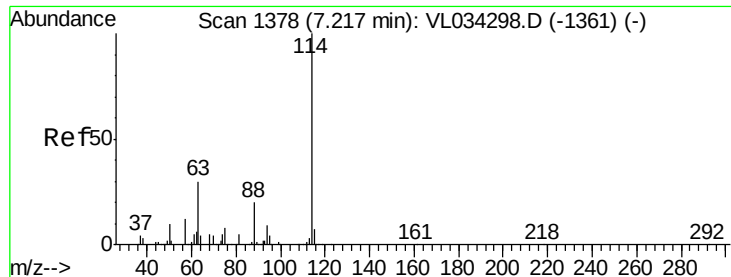


#32

1,1,1-Trichloroethane
 Concen: 11.015 ppbv
 RT: 6.54 min Scan# 1168
 Delta R.T. 0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Tgt Ion	97	Resp	1506121
Ion	Ratio	Lower	Upper
97	100		
99	65.8	52.6	78.8
61	53.9	44.5	66.7





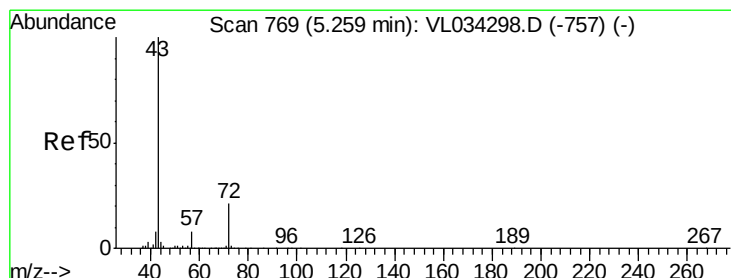
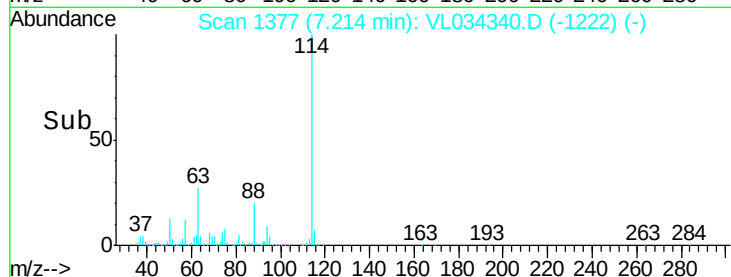
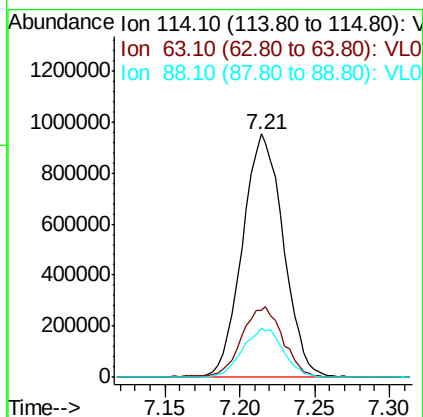
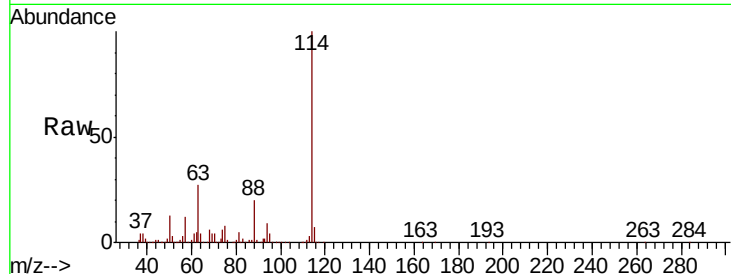
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.5	25.2	37.8
88	20.0	16.0	24.0

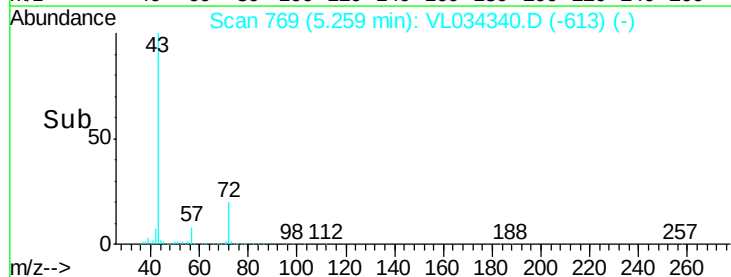
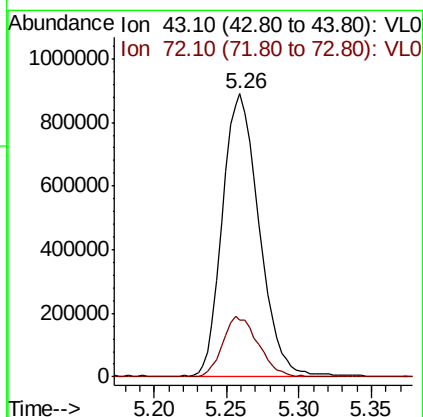
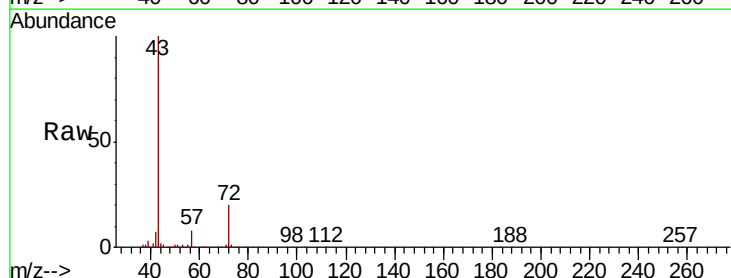
Manual Integrations
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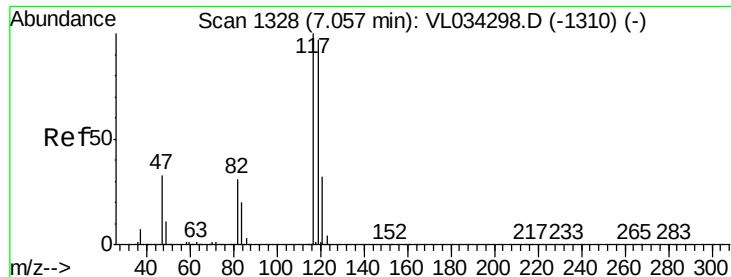
MMDadoda
 10/22/2019 2:56:35 PM



#34
 2-Butanone
 Concen: 10.489 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.8	16.3	24.5





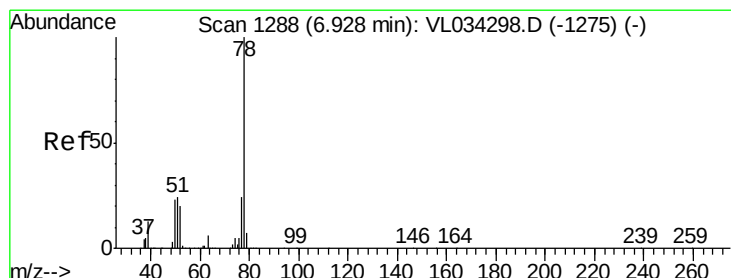
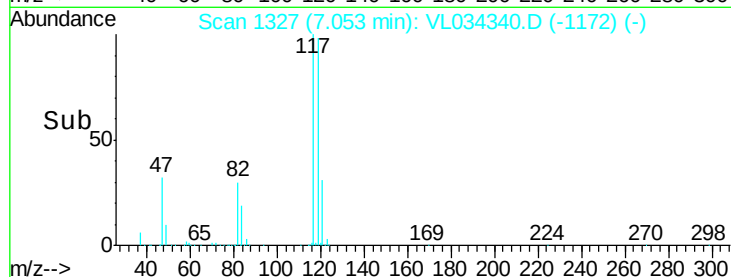
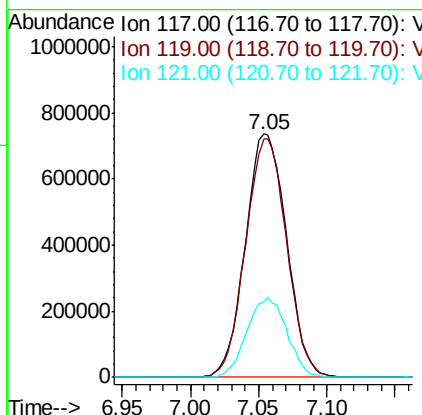
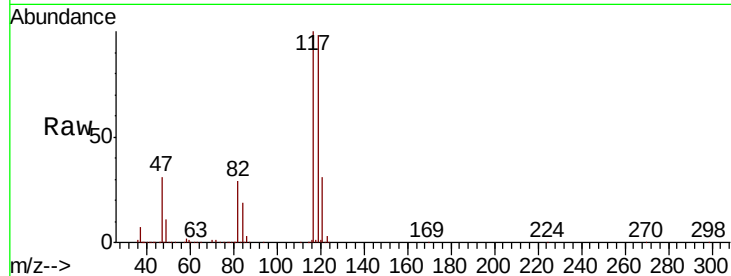
#35
Carbon Tetrachloride
Concen: 9.771 ppbv
RT: 7.05 min Scan# 1327
Delta R.T. -0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.8	77.3	115.9
121	30.9	25.5	38.3

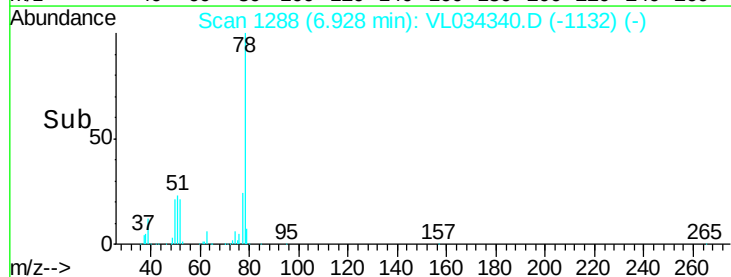
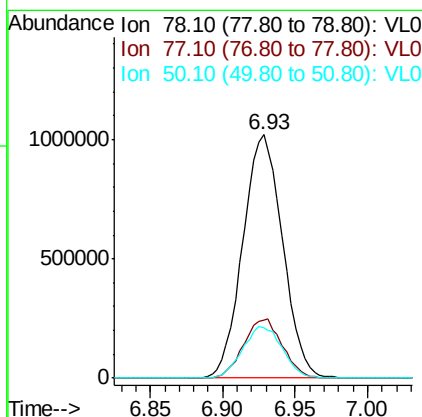
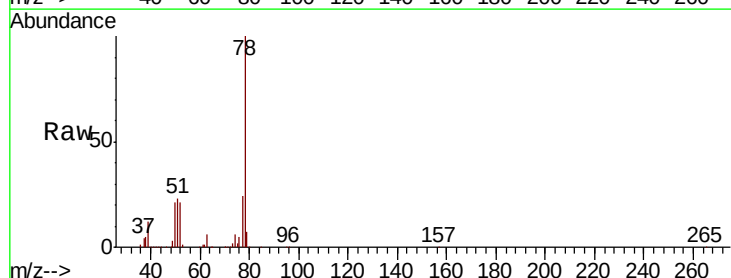
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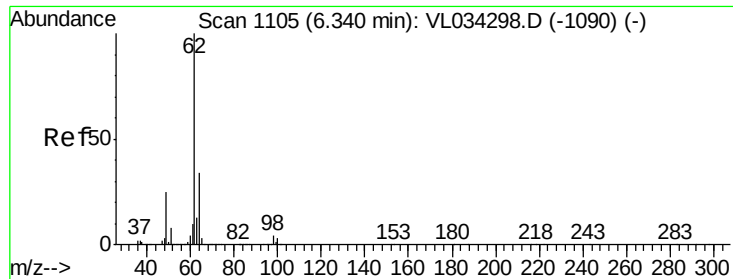
MMDadoda
10/22/2019 2:56:35 PM



#36
Benzene
Concen: 11.201 ppbv
RT: 6.93 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4
50	20.6	18.6	27.8





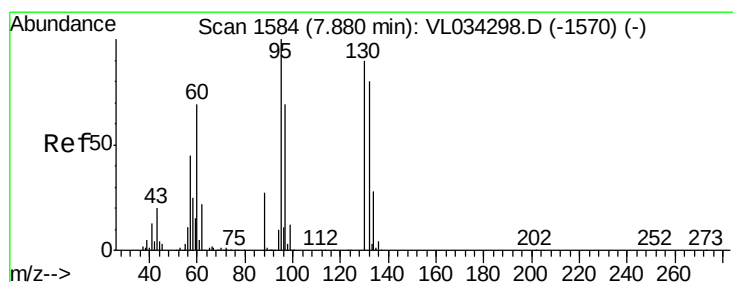
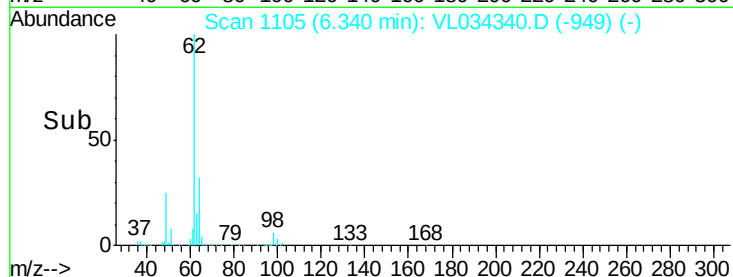
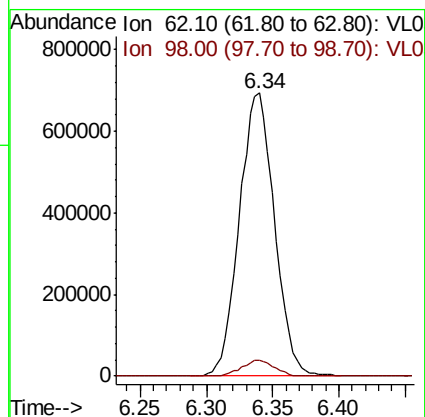
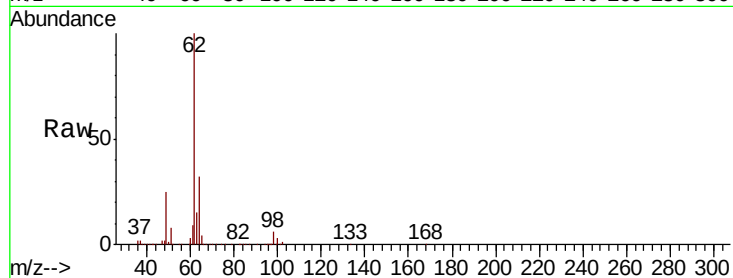
#37
 1,2-Dichloroethane
 Concen: 9.842 ppbv
 RT: 6.34 min Scan# 1105
 Delta R.T. 0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1277285
 Ion Ratio Lower Upper
 62 100
 98 5.4 3.8 5.6

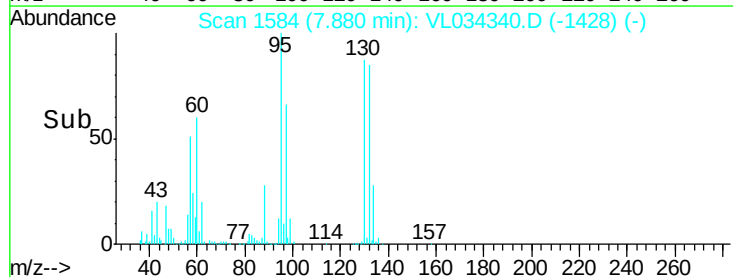
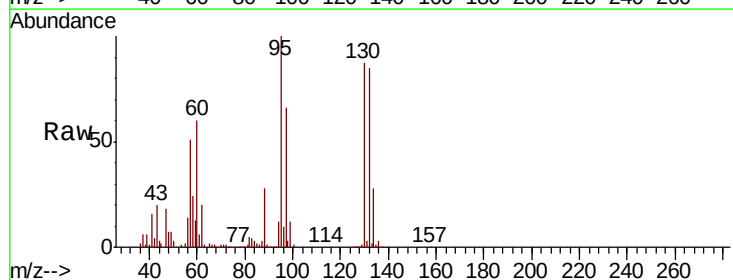
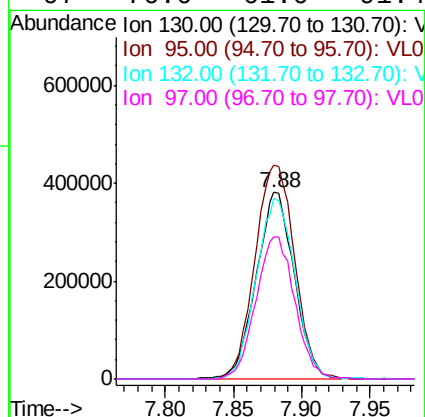
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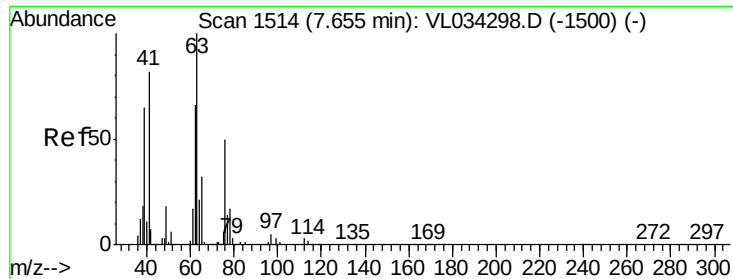
MMDadoda
 10/22/2019 2:56:35 PM



#38
 Trichloroethene
 Concen: 10.485 ppbv
 RT: 7.88 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Tgt Ion: 130 Resp: 732669
 Ion Ratio Lower Upper
 130 100
 95 114.6 88.6 132.8
 132 97.1 71.2 106.8
 97 76.0 61.0 91.4





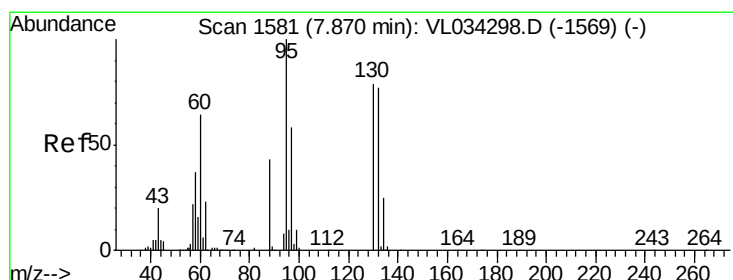
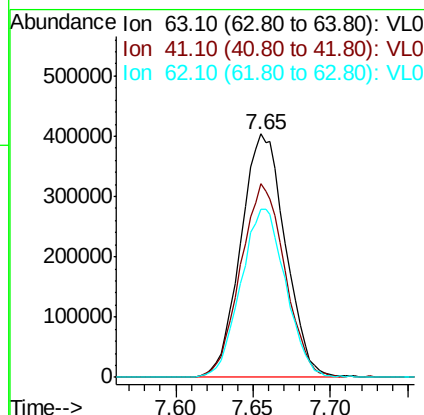
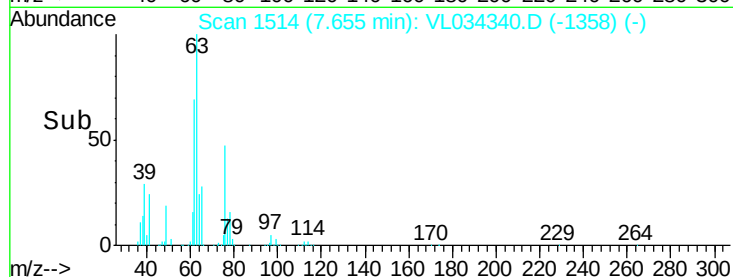
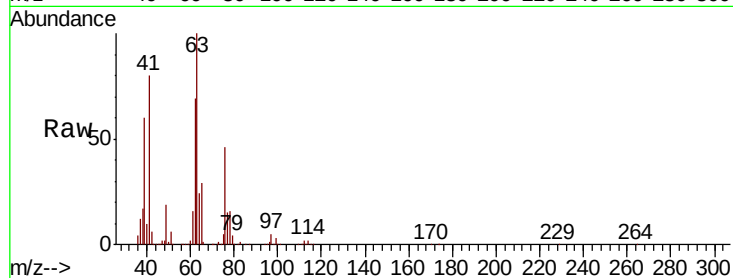
#39
 1,2-Dichloropropane
 Concen: 10.809 ppbv
 RT: 7.65 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	79.6	65.6	98.4
62	68.7	53.0	79.6

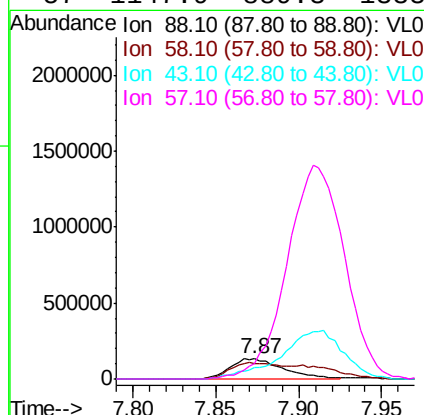
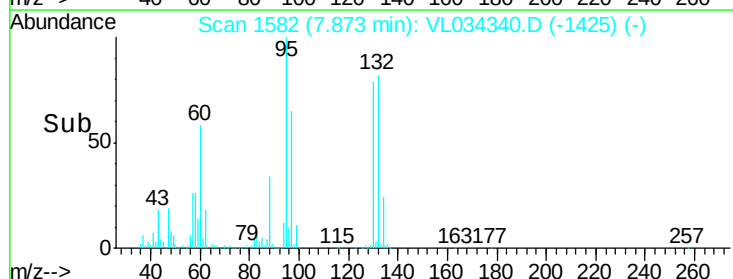
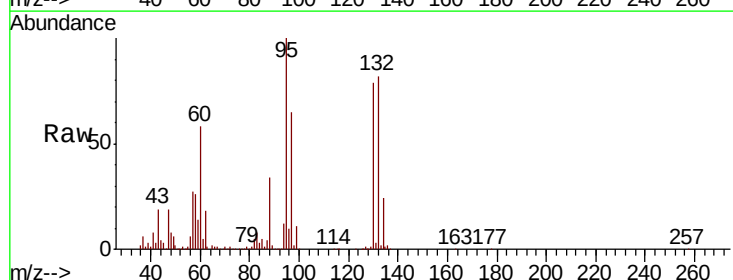
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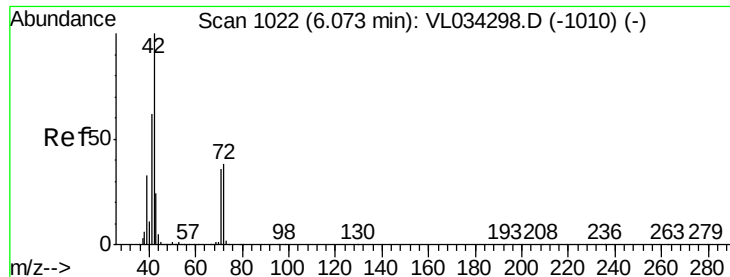
MMDadoda
 10/22/2019 2:56:35 PM



#40
 1,4-Dioxane
 Concen: 11.251 ppbv
 RT: 7.87 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
88	100		
58	138.5	110.3	165.5
43	283.4	228.1	342.1
57	1147.9	889.3	1333.9





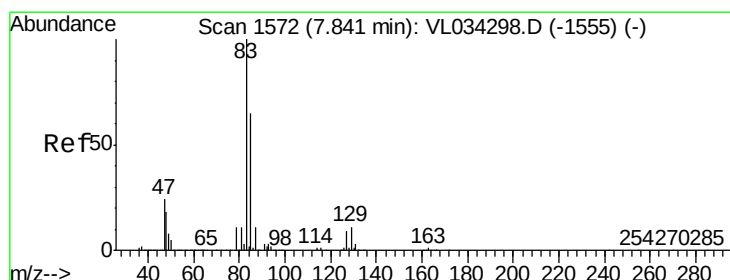
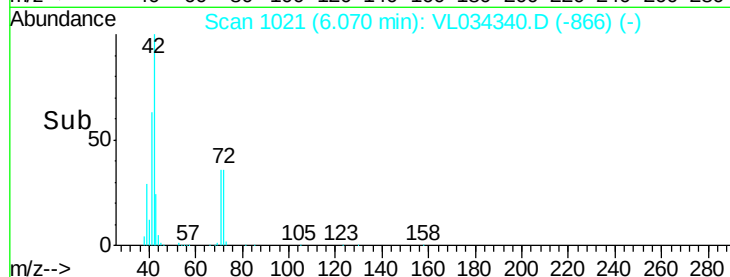
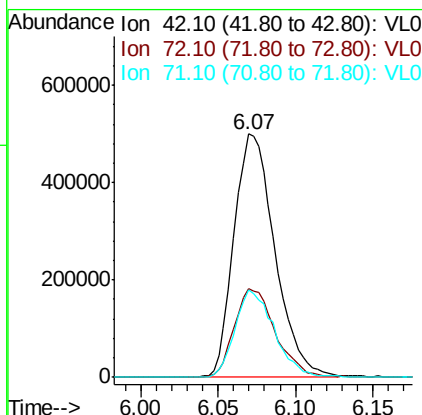
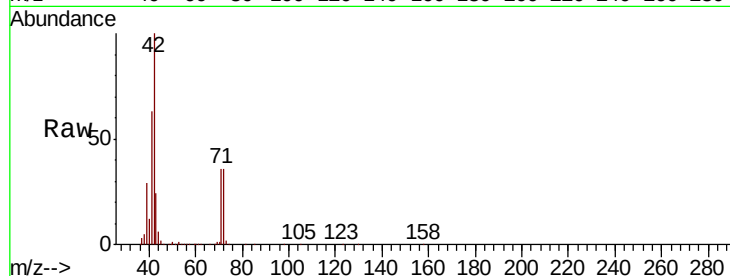
#41
Tetrahydrofuran
Concen: 11.162 ppbv
RT: 6.07 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.9	28.0	42.0
71	34.8	27.3	40.9

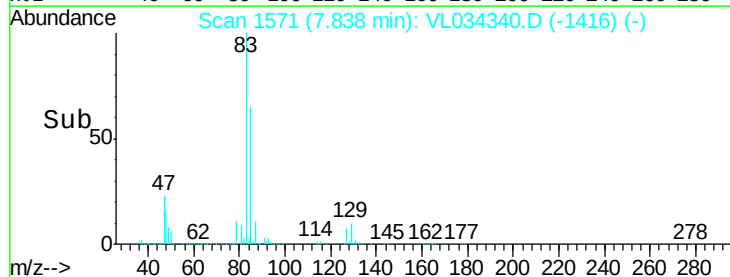
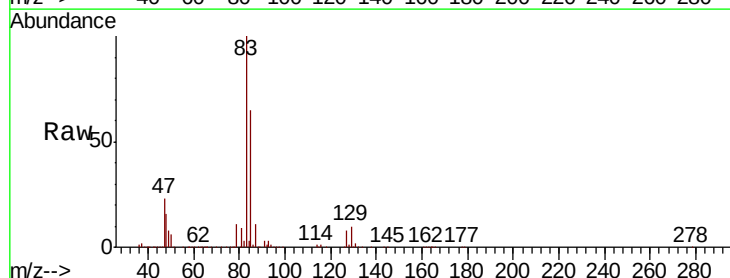
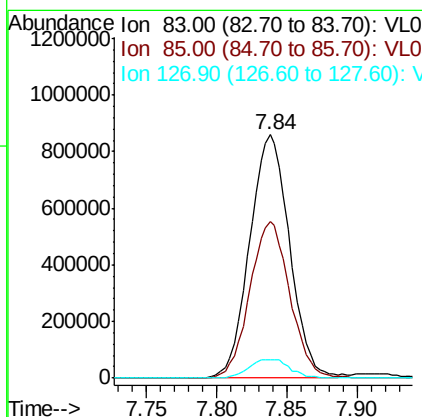
Manual Integrations
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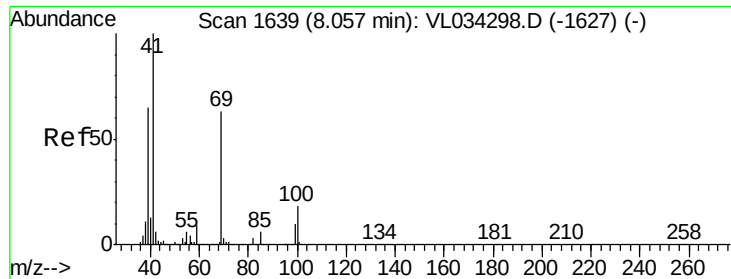
MMDadoda
10/22/2019 2:56:35 PM



#42
Bromodichloromethane
Concen: 10.702 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.6
127	7.6	7.0	10.6





#43

Methyl Methacrylate

Concen: 11.524 ppbv

RT: 8.06 min Scan# 1640

Delta R.T. 0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

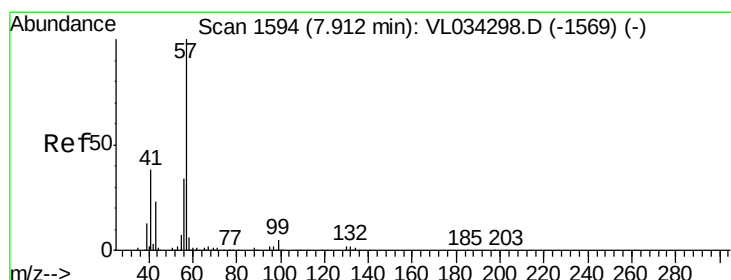
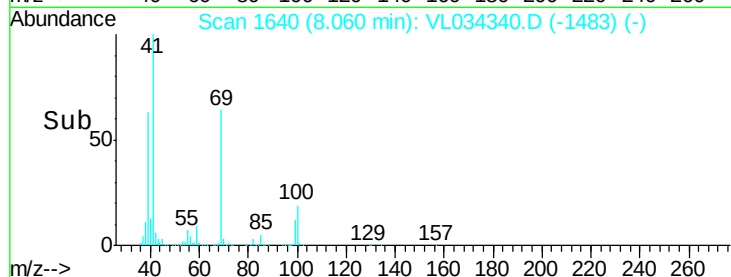
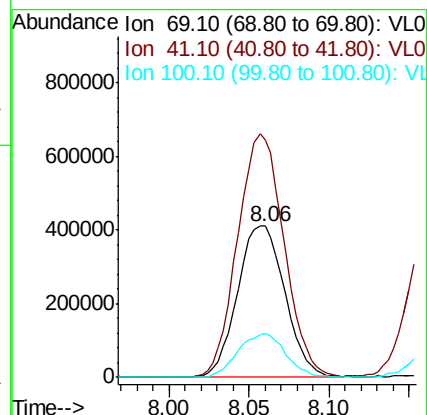
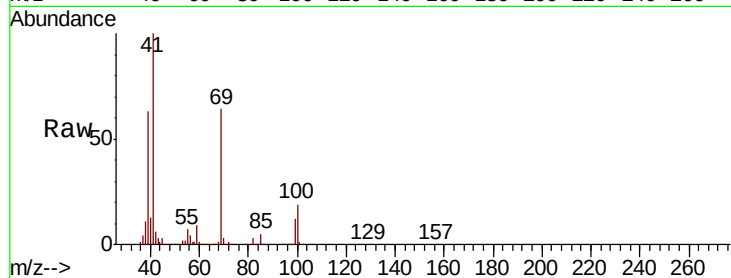
Instrument :
MSVOA_L

ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
69	100		
41	158.0	132.1	198.1
100	29.2	23.2	34.8

Manual Integrations
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MMDadoda
10/22/2019 2:56:35 PM



#44

2,2,4-Trimethylpentane

Concen: 10.543 ppbv

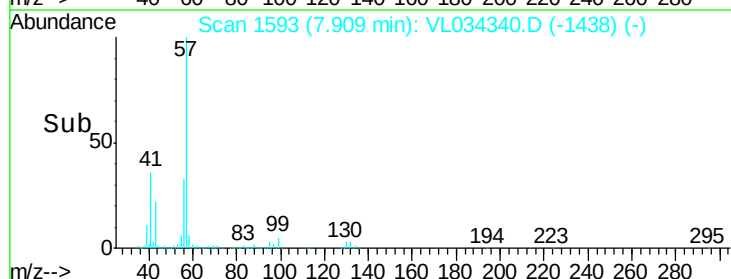
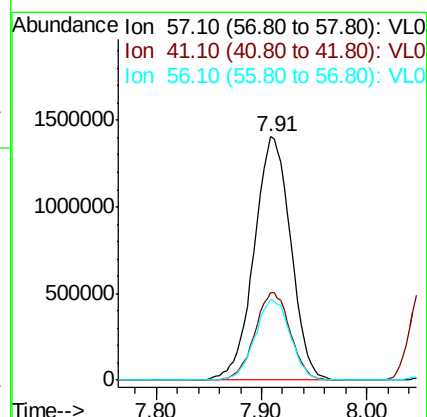
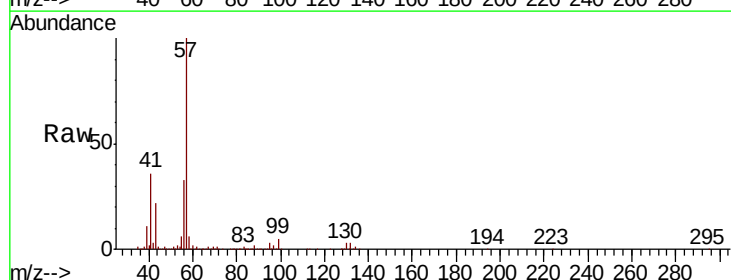
RT: 7.91 min Scan# 1593

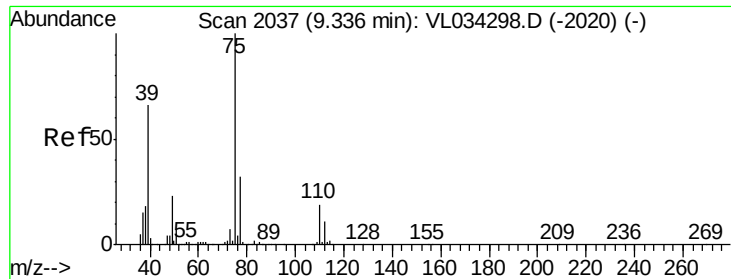
Delta R.T. -0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
57	100		
41	34.8	29.3	43.9
56	31.9	25.3	37.9





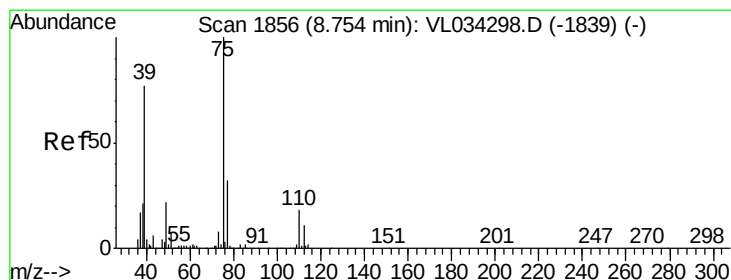
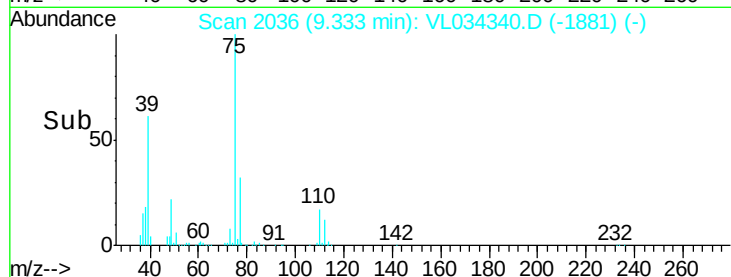
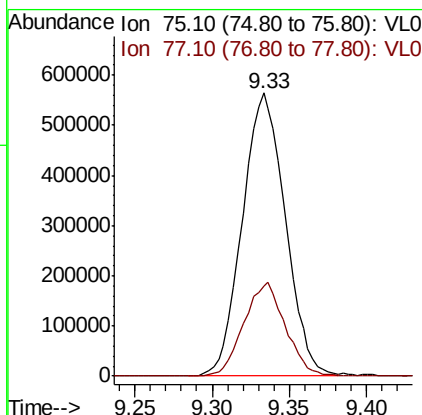
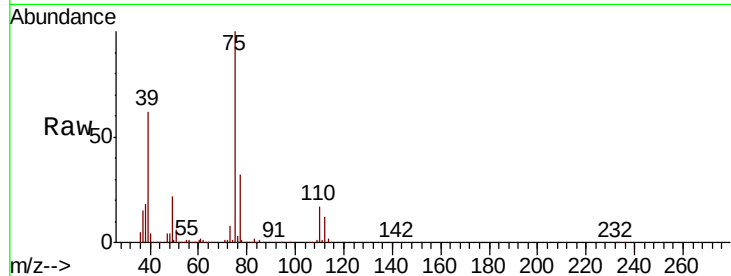
#45
t-1,3-Dichloropropene
Concen: 12.434 ppbv
RT: 9.33 min Scan# 2036
Delta R.T. -0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1091055
Ion Ratio Lower Upper
75 100
77 32.0 25.6 38.4

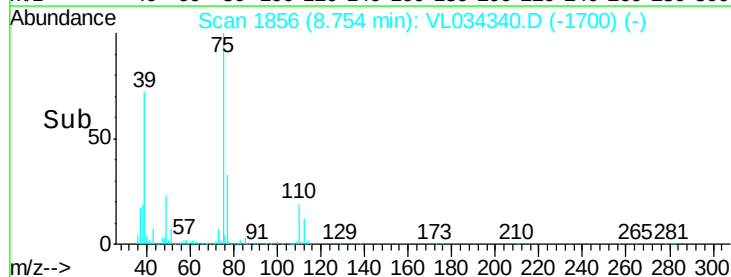
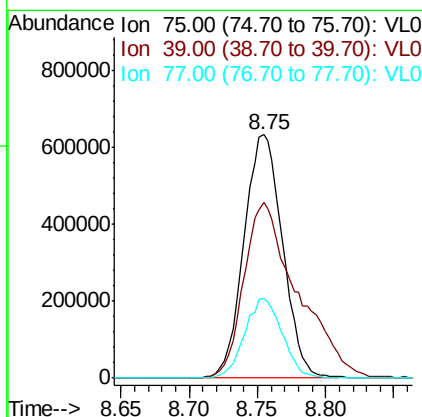
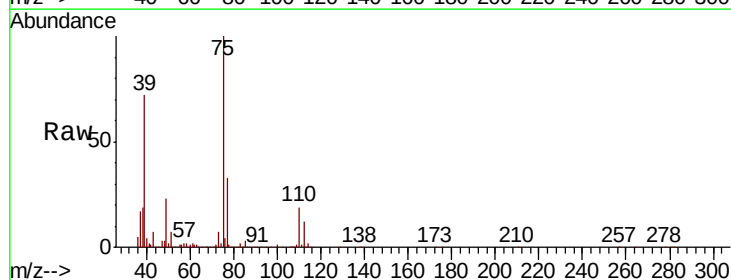
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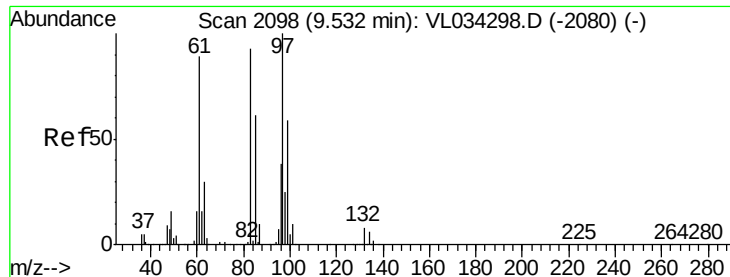
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 12.365 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. 0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Tgt Ion: 75 Resp: 1246506
Ion Ratio Lower Upper
75 100
39 72.2 61.2 91.8
77 32.6 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 10.642 ppbv

RT: 9.53 min Scan# 2098

Delta R.T. 0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

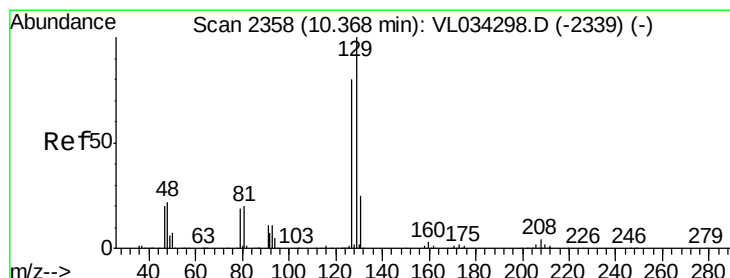
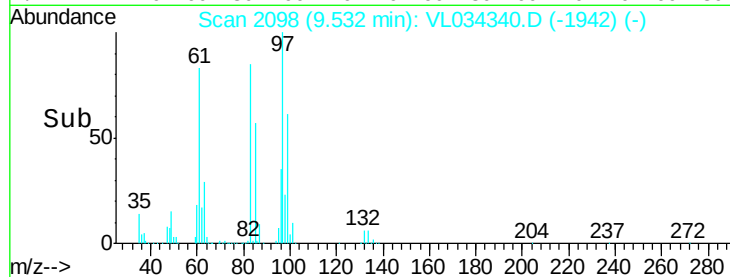
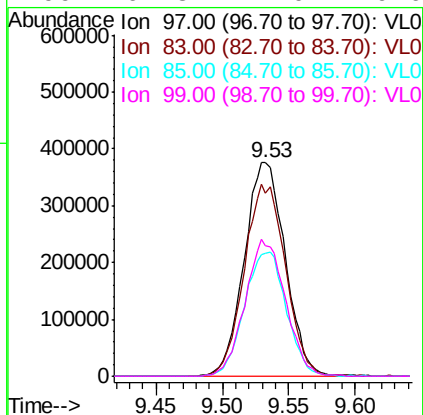
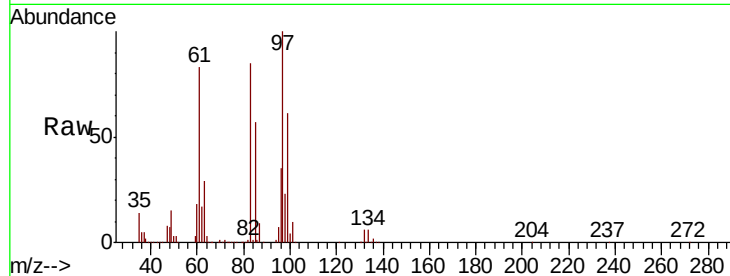
ClientSampleId :

VSTDCCC010EC

Tot Ion:	97	Resp:	808292
Ion Ratio	Lower	Upper	
97	100		
83	85.3	74.2	111.2
85	57.2	48.6	73.0
99	61.3	47.0	70.6

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#48

Dibromochloromethane

Concen: 11.134 ppbv

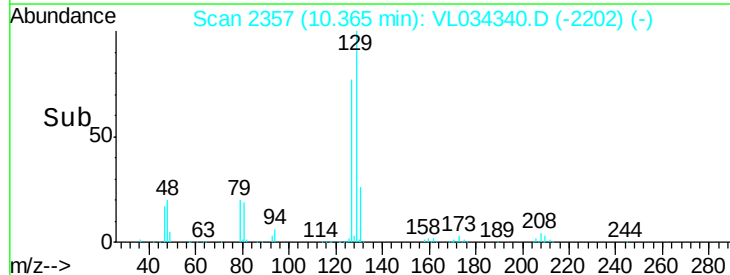
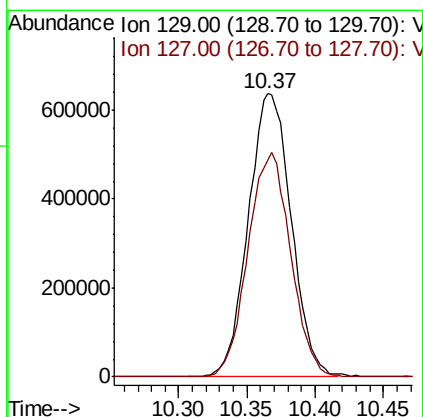
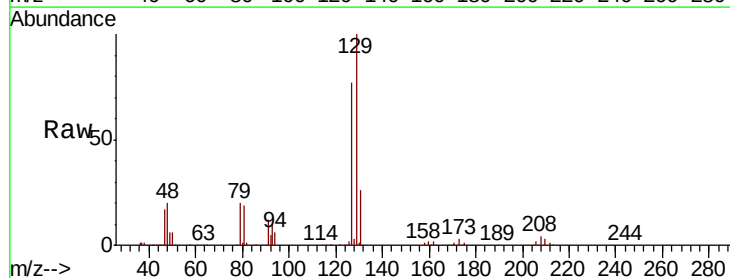
RT: 10.37 min Scan# 2357

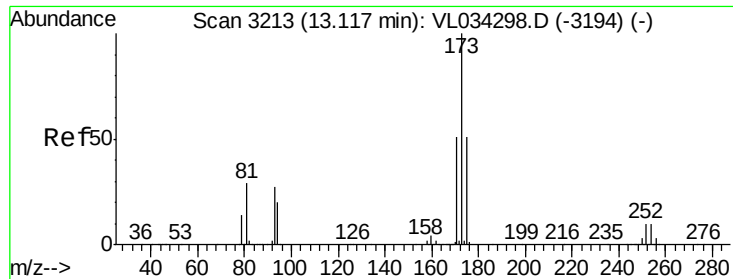
Delta R.T. -0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Tgt Ion:	129	Resp:	1387149
Ion Ratio	Lower	Upper	
129	100		
127	79.1	39.7	119.1





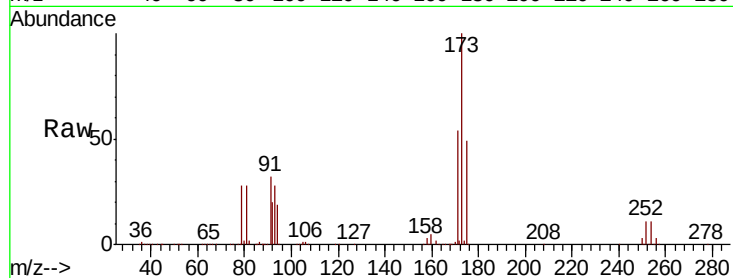
#49
Bromoform
Concen: 11.380 ppbv
RT: 13.11 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

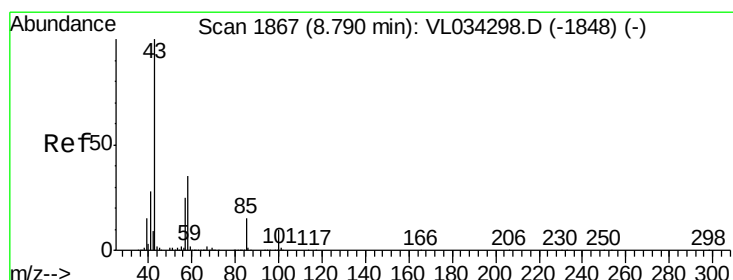
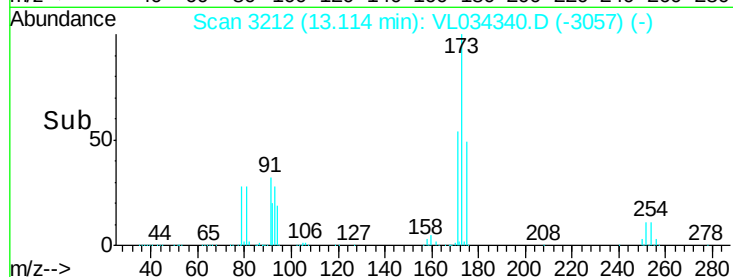
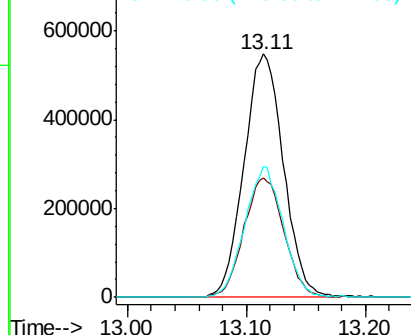
Tot Ion:173 Resp: 1256340
Ion Ratio Lower Upper
173 100
175 50.0 39.8 59.6
171 52.6 41.8 62.6

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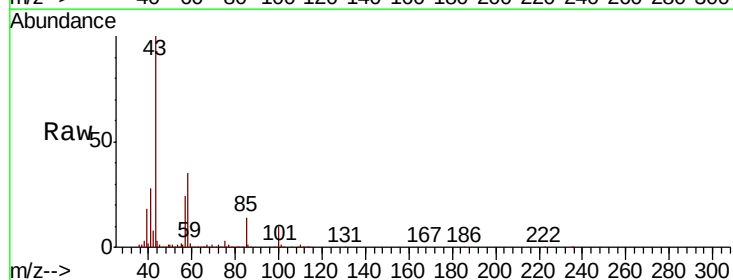


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

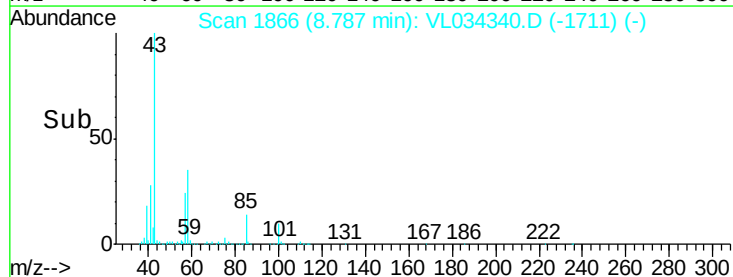
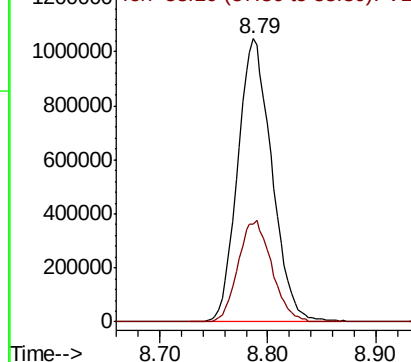


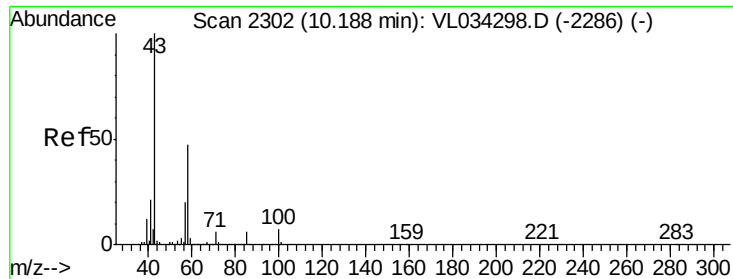
#50
4-Methyl-2-Pentanone
Concen: 10.870 ppbv
RT: 8.79 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Tgt Ion: 43 Resp: 2308502
Ion Ratio Lower Upper
43 100
58 35.6 27.6 41.4



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





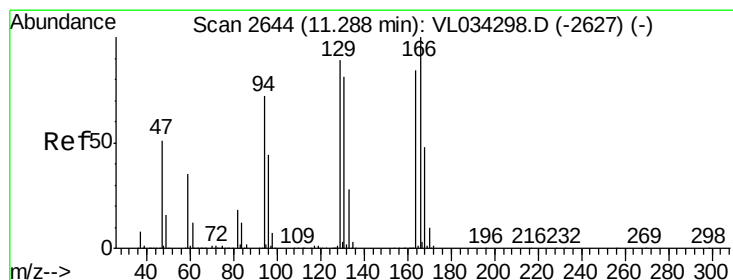
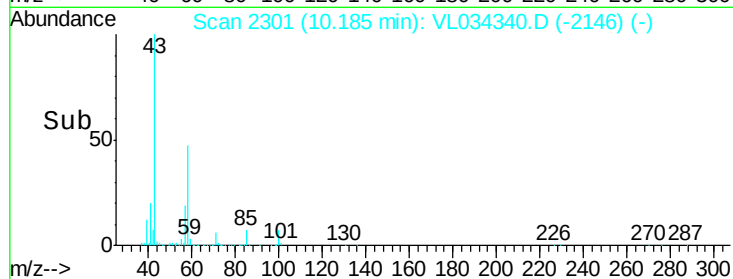
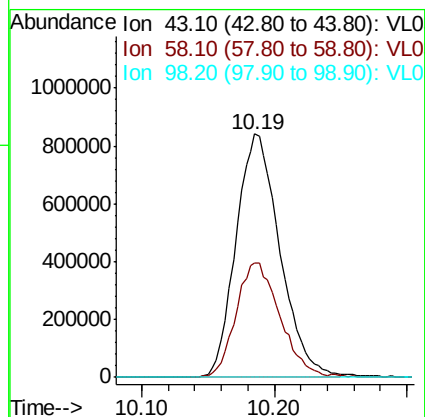
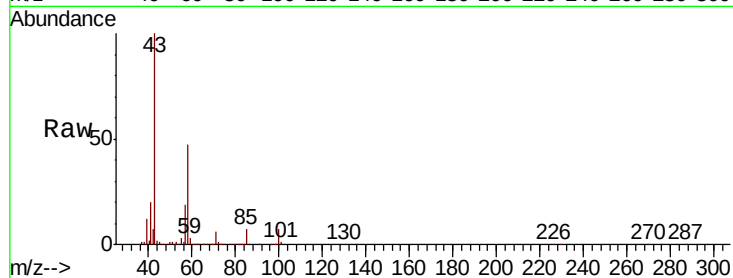
#51
2-Hexanone
Concen: 11.113 ppbv
RT: 10.19 min Scan# 2301
Delta R.T. -0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.6	37.0	55.6
98	0.1	0.2	0.2#

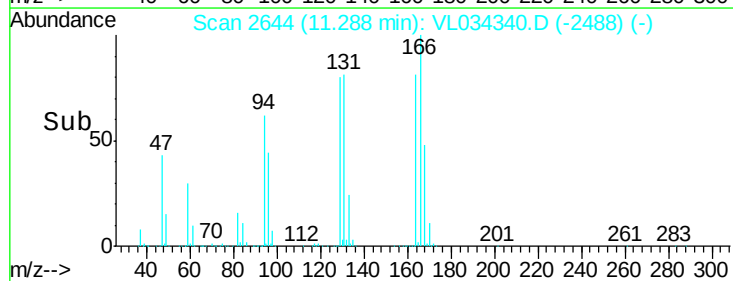
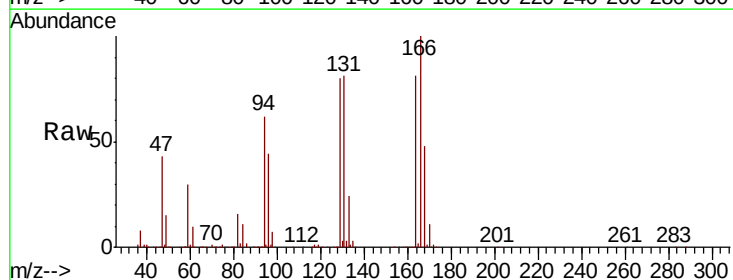
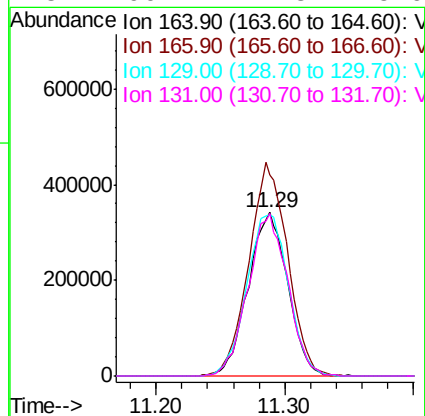
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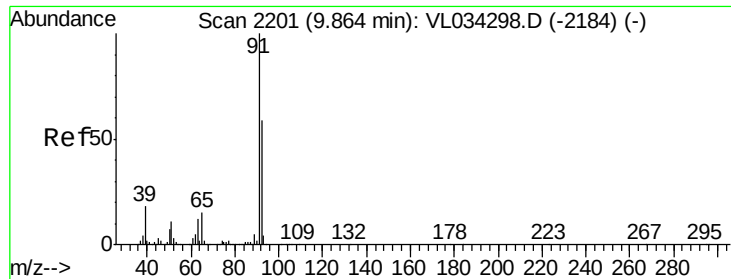
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#52
Tetrachloroethene
Concen: 10.688 ppbv
RT: 11.29 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.9	95.3	142.9
129	98.6	84.5	126.7
131	99.4	77.3	115.9





#53

Toluene

Concen: 11.784 ppbv

RT: 9.86 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2264499

Ion Ratio Lower Upper

91 100

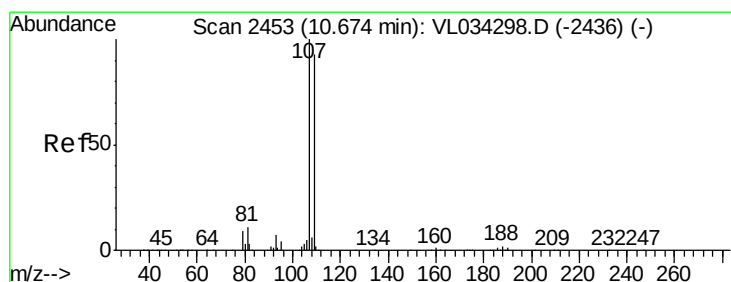
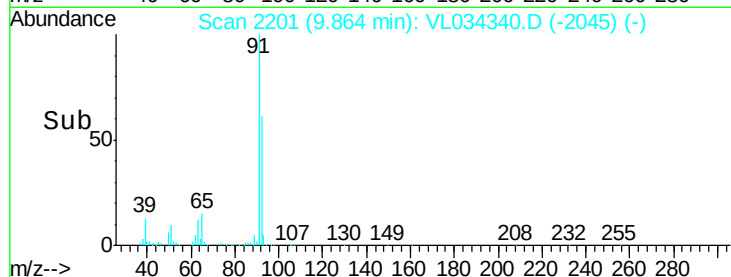
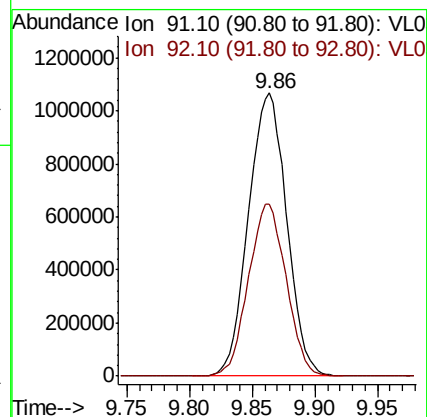
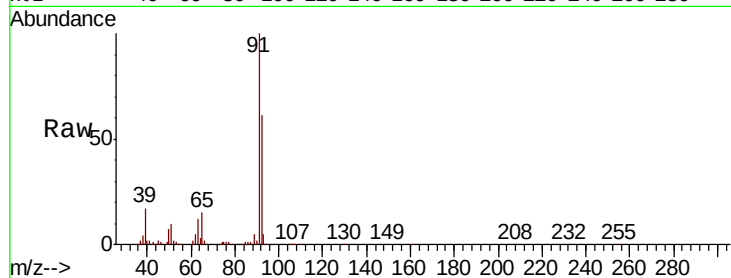
92 60.1 48.4 72.6

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#54

1,2-Dibromoethane

Concen: 10.812 ppbv

RT: 10.67 min Scan# 2453

Delta R.T. 0.00 min

Lab File: VL034340.D

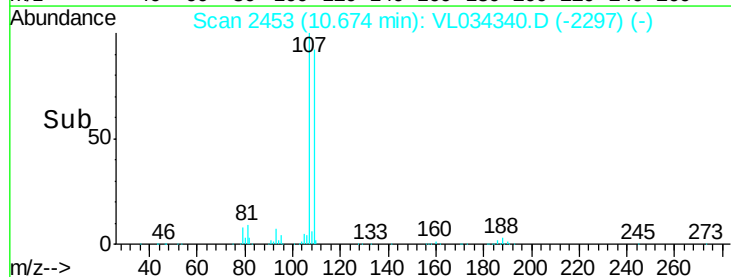
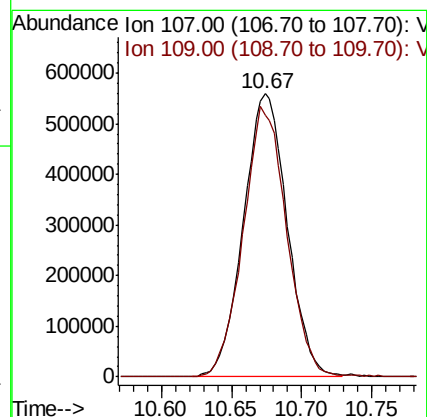
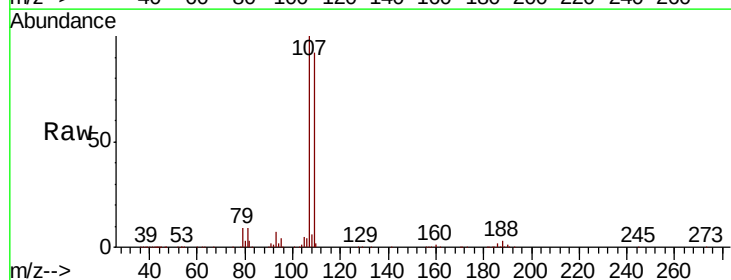
Acq: 18 Oct 2019 12:05

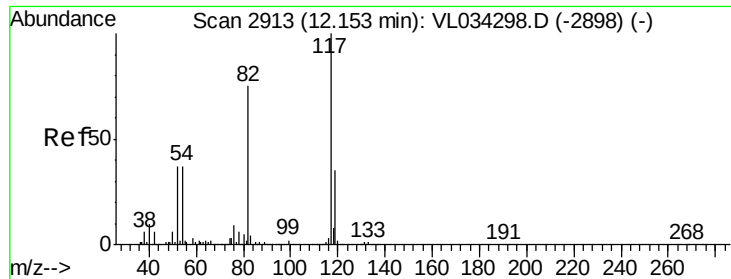
Tgt Ion: 107 Resp: 1217118

Ion Ratio Lower Upper

107 100

109 92.2 74.6 112.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.15 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2086923

Ion Ratio Lower Upper

117 100

82 64.9 55.5 83.3

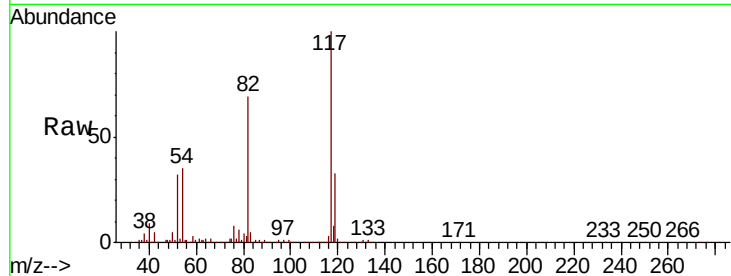
119 32.2 26.5 39.7

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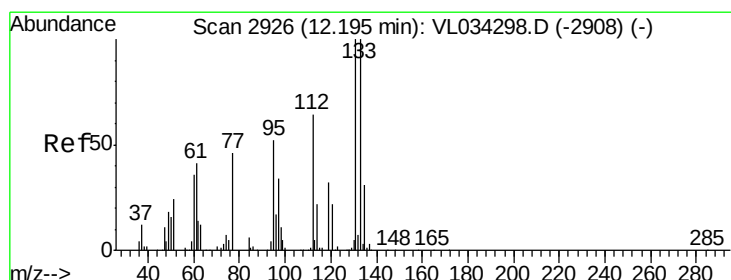
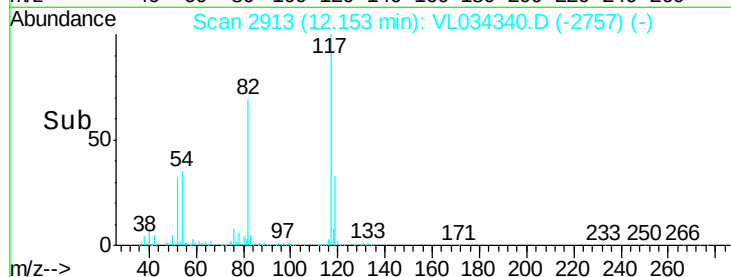
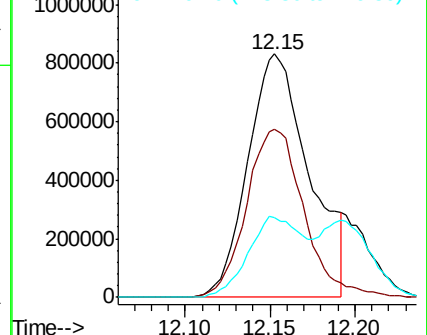
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Abundance Ion 117.10 (116.80 to 117.80): V

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: 9.535 ppbv

RT: 12.19 min Scan# 2925

Delta R.T. -0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

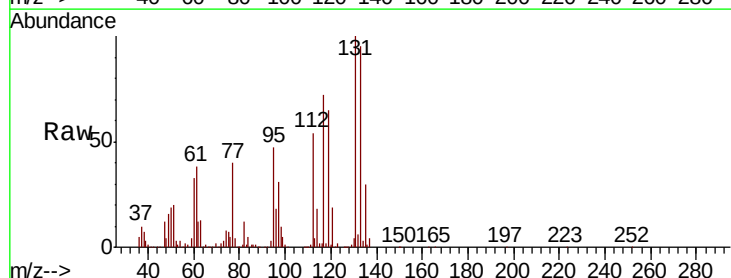
Tgt Ion:131 Resp: 917055

Ion Ratio Lower Upper

131 100

133 96.5 77.1 115.7

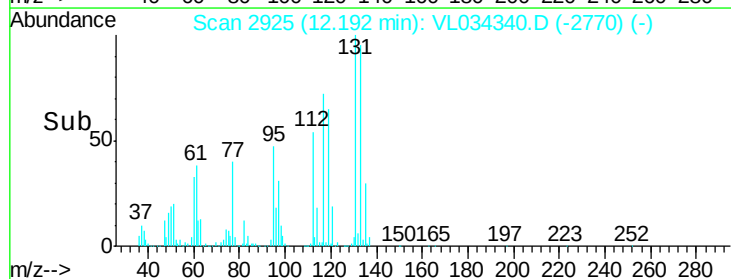
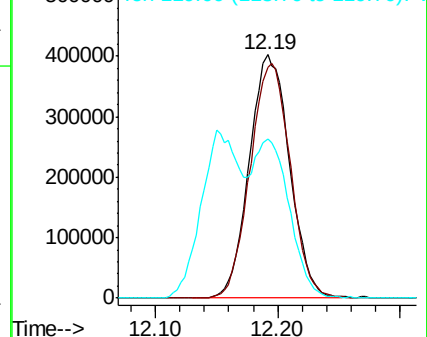
119 58.2 49.0 73.4

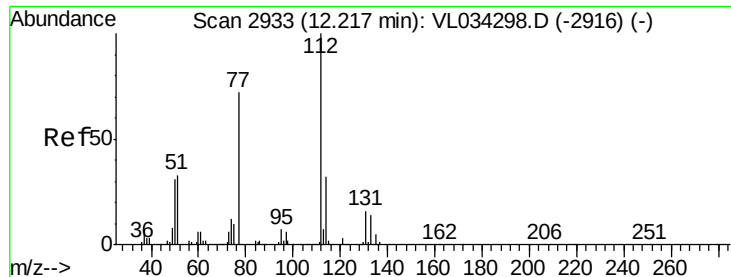


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 9.562 ppbv

RT: 12.21 min Scan# 2932

Delta R.T. -0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 1664782

Ion Ratio Lower Upper

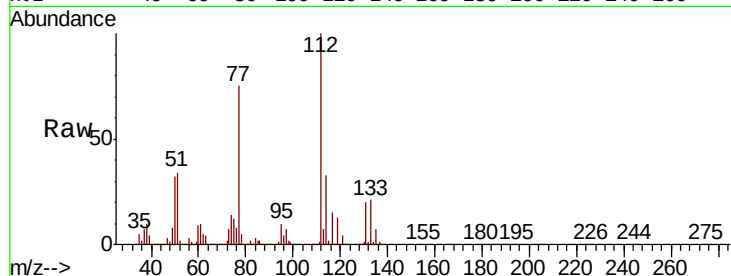
112 100

77 74.8 58.6 88.0

114 32.9 28.6 35.0

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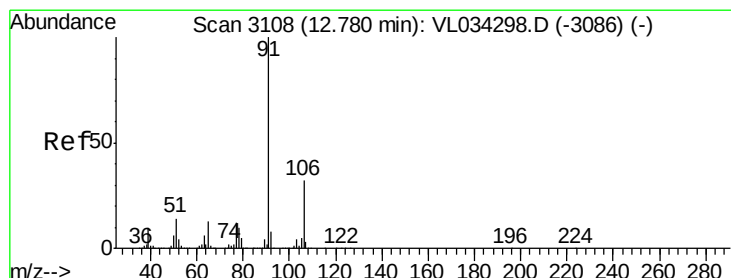
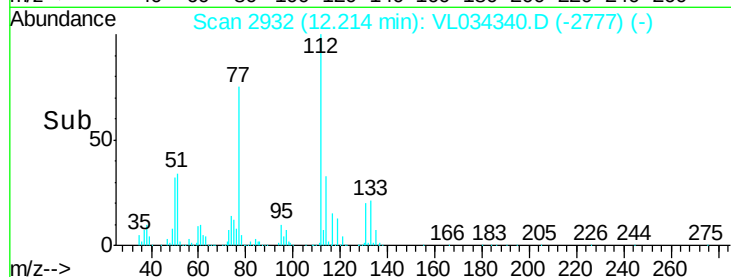
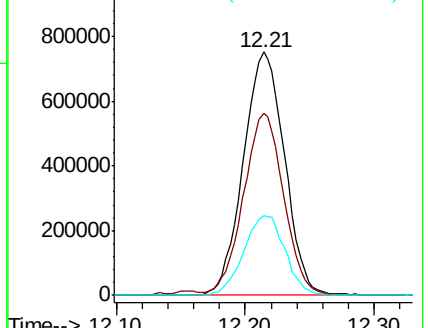
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.489 ppbv

RT: 12.78 min Scan# 3107

Delta R.T. -0.00 min

Lab File: VL034340.D

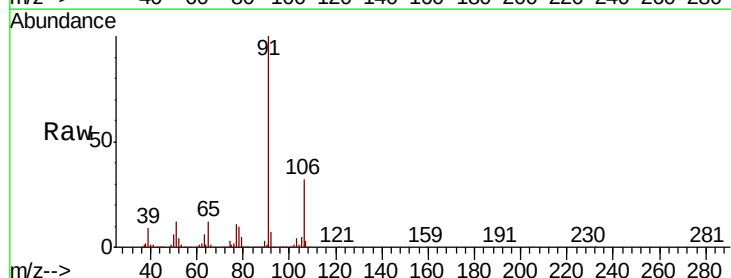
Acq: 18 Oct 2019 12:05

Tgt Ion: 91 Resp: 3060072

Ion Ratio Lower Upper

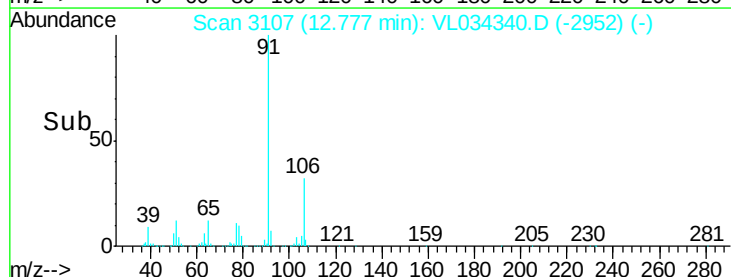
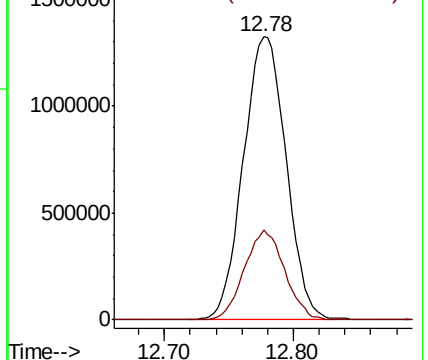
91 100

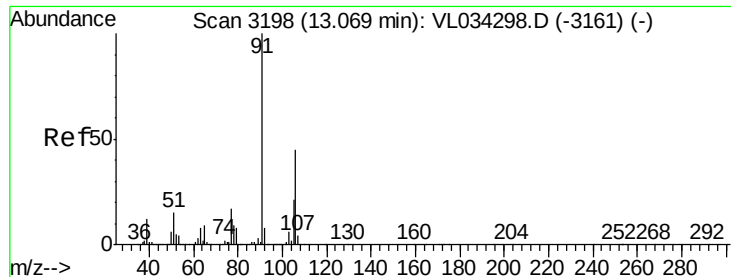
106 32.0 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





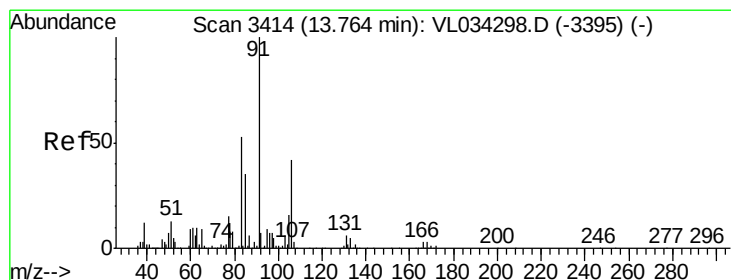
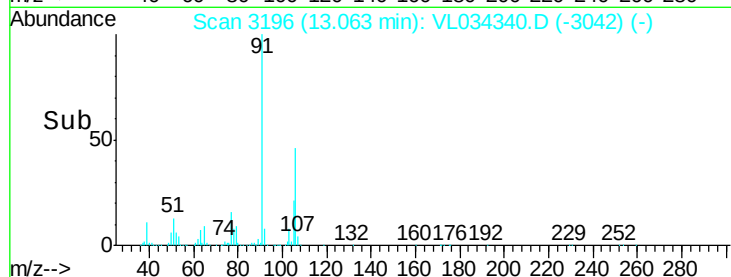
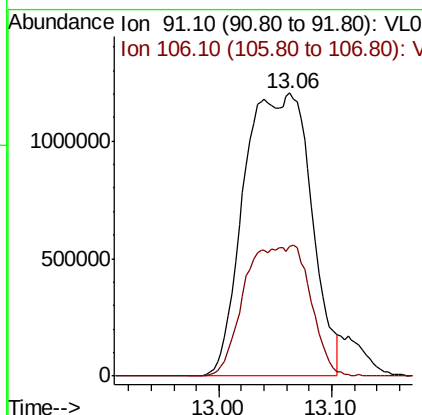
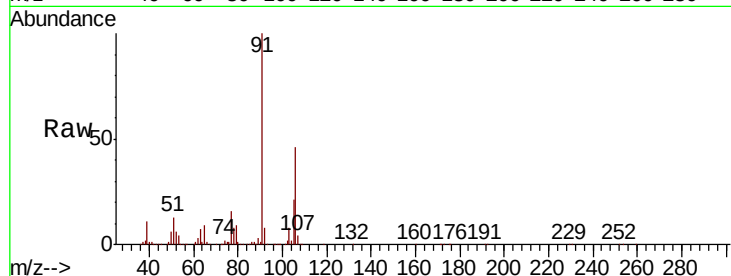
#59
m/p-Xylene
Concen: 19.653 ppbv m
RT: 13.06 min Scan# 3196
Delta R.T. -0.01 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 4967576
Ion Ratio Lower Upper
91 100
106 45.0 35.4 53.2

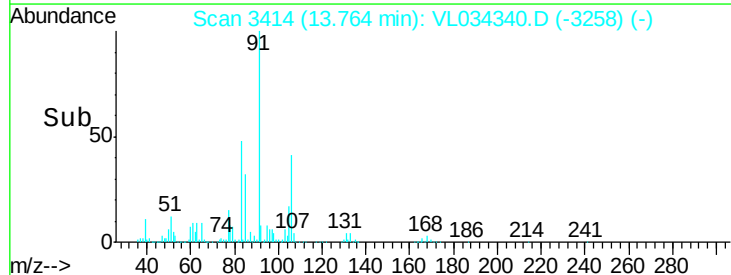
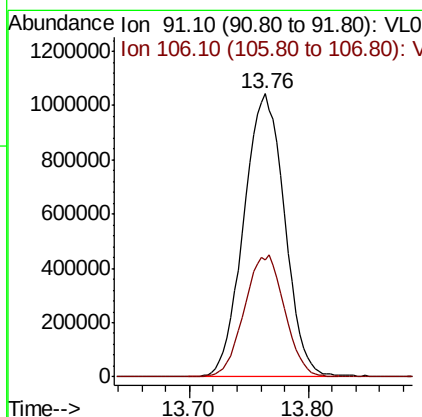
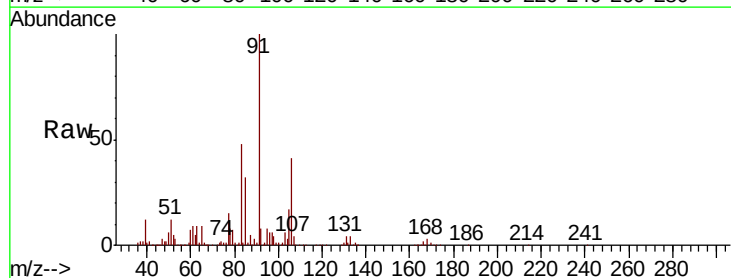
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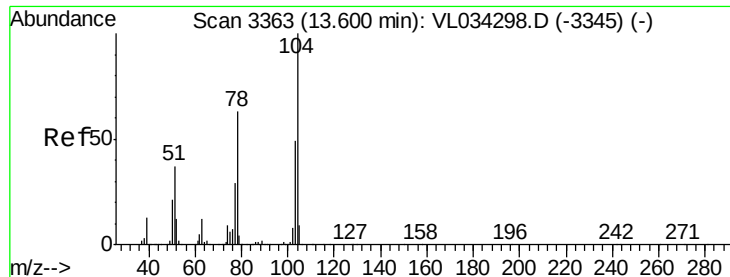
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#60
o-Xylene
Concen: 9.831 ppbv
RT: 13.76 min Scan# 3414
Delta R.T. 0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Tgt Ion: 91 Resp: 2474325
Ion Ratio Lower Upper
91 100
106 42.6 21.6 64.6





#61

Stvrene

Concen: 10.744 ppbv

RT: 13.60 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 1903837

Ion Ratio Lower Upper

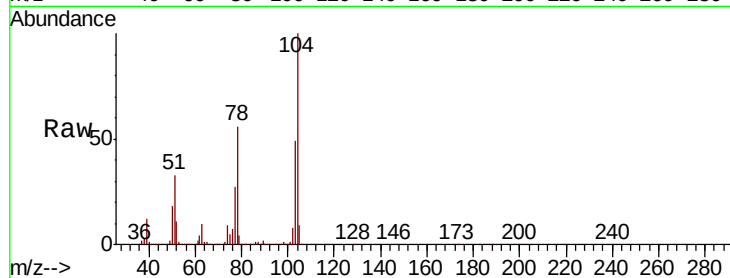
104 100

78 57.6 47.8 71.8

103 48.1 39.0 58.6

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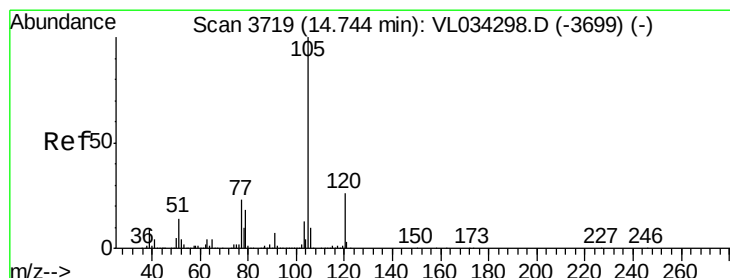
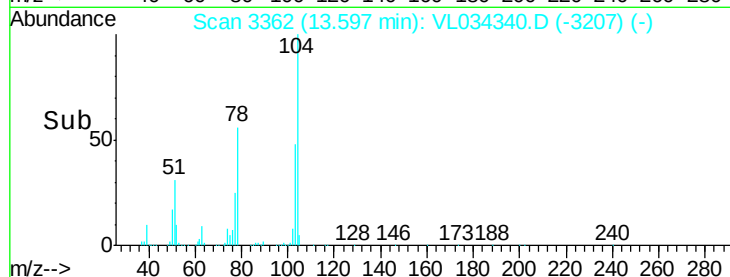
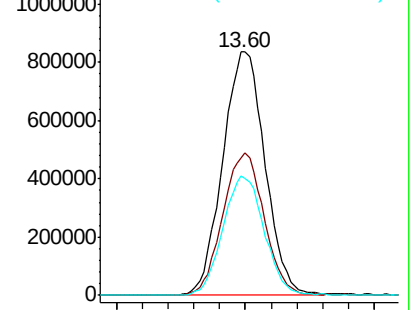
MMDadoda
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.779 ppbv

RT: 14.74 min Scan# 3717

Delta R.T. -0.01 min

Lab File: VL034340.D

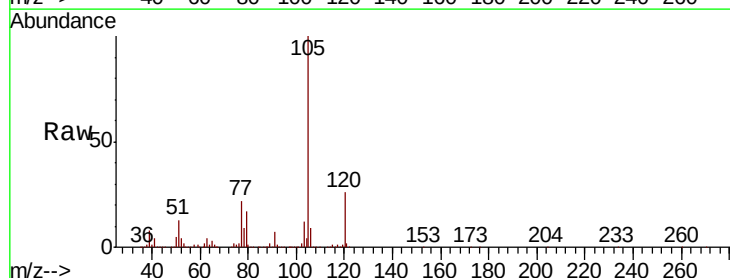
Acq: 18 Oct 2019 12:05

Tgt Ion:105 Resp: 3249047

Ion Ratio Lower Upper

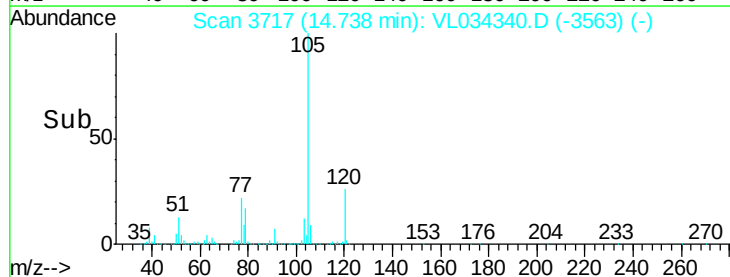
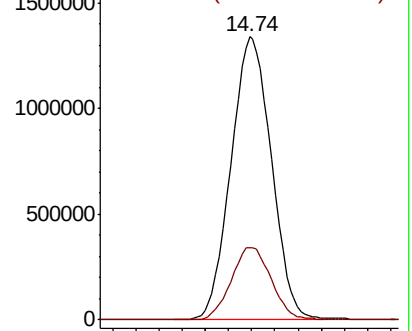
105 100

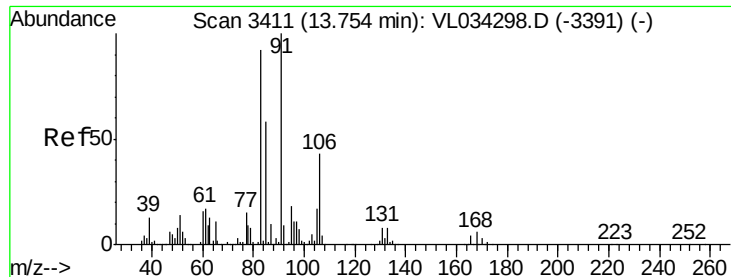
120 25.3 20.8 31.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





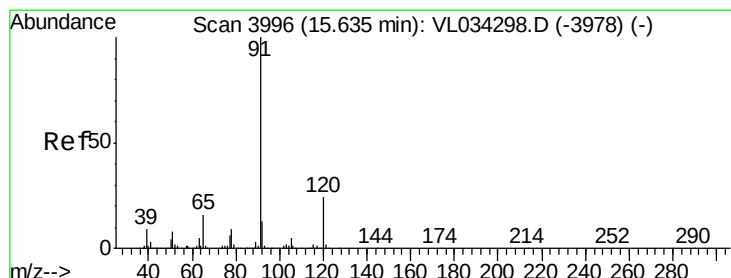
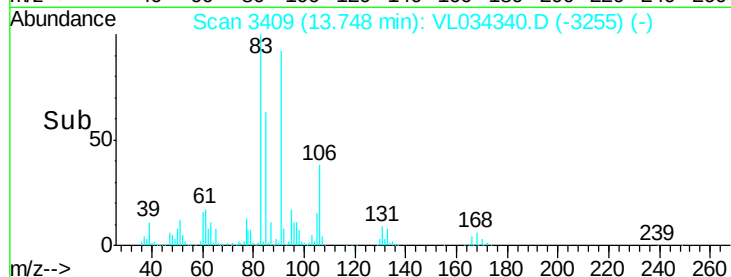
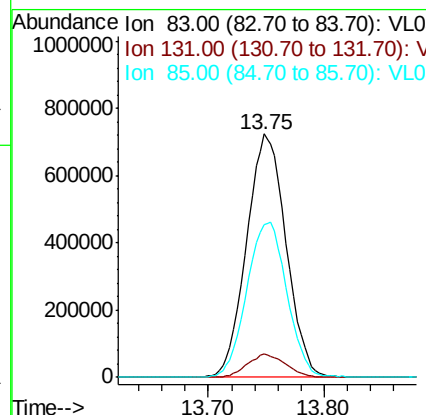
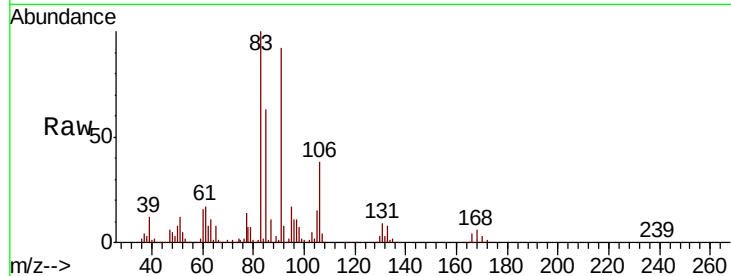
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.465 ppbv
 RT: 13.75 min Scan# 3409
 Delta R.T. -0.01 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 83 Resp: 1712184
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.8 14.4
 85 65.1 32.5 97.4

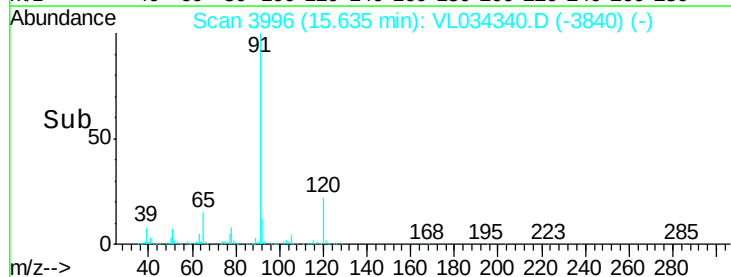
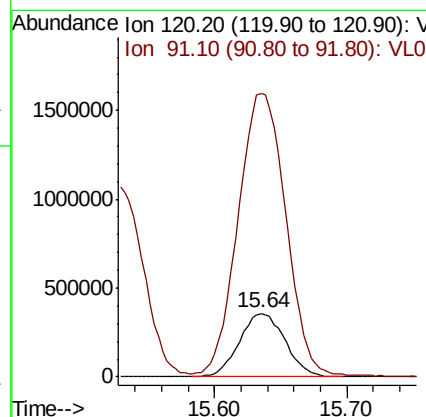
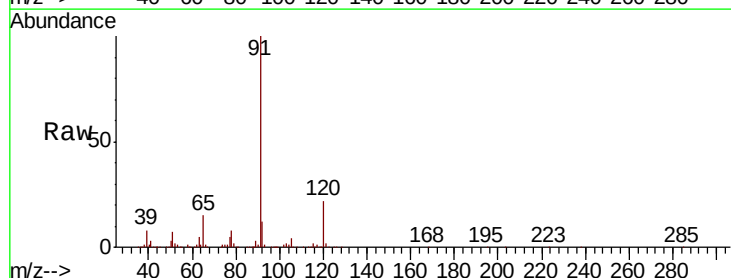
Manual Integrations
 APPROVED

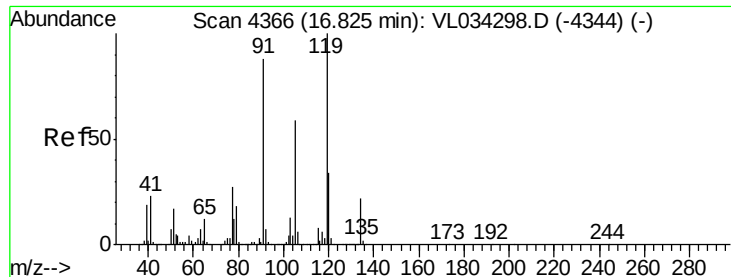
MMDadoda
 10/22/2019 2:56:35 PM



#64
 n-propylbenzene
 Concen: 10.033 ppbv
 RT: 15.64 min Scan# 3996
 Delta R.T. 0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Tgt Ion: 120 Resp: 855483
 Ion Ratio Lower Upper
 120 100
 91 470.5 374.9 562.3





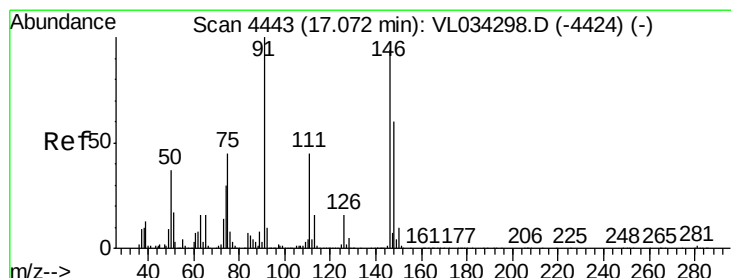
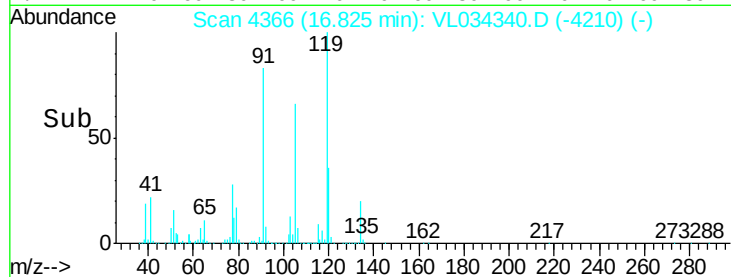
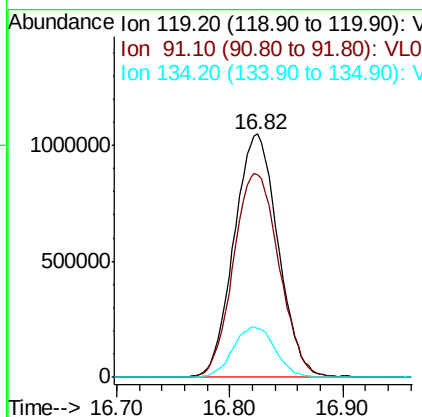
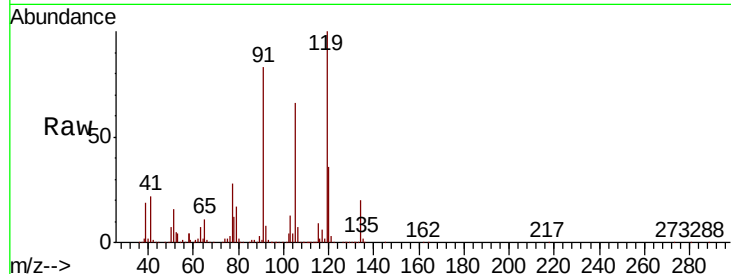
#65
tert-Butylbenzene
Concen: 9.634 ppbv
RT: 16.82 min Scan# 4366
Delta R.T. 0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:119 Resp: 2837029
Ion Ratio Lower Upper
119 100
91 87.1 71.4 107.0
134 20.0 15.9 23.9

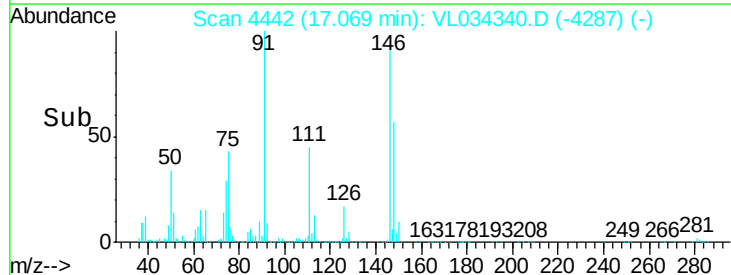
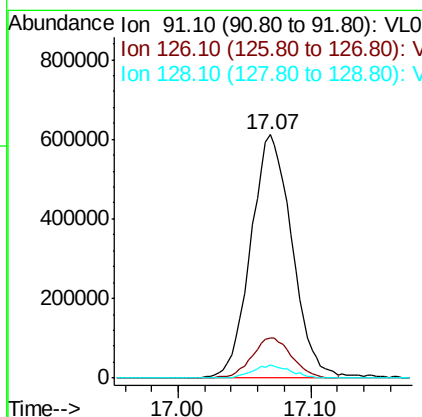
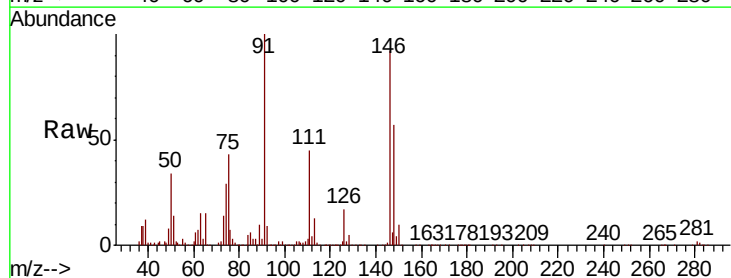
Manual Integrations
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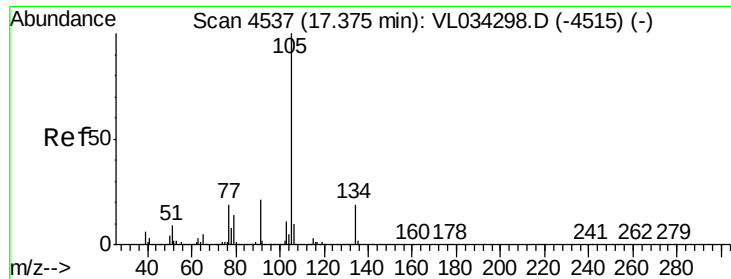
MMDadoda
10/22/2019 2:56:35 PM



#66
Benzyl Chloride
Concen: 11.336 ppbv
RT: 17.07 min Scan# 4442
Delta R.T. -0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Tgt Ion: 91 Resp: 1318423
Ion Ratio Lower Upper
91 100
126 16.3 12.9 19.3
128 5.0 4.3 6.5





#67

sec-Butylbenzene

Concen: 9.466 ppbv

RT: 17.37 min Scan# 4536

Delta R.T. -0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 3922905

Ion Ratio Lower Upper

105 100

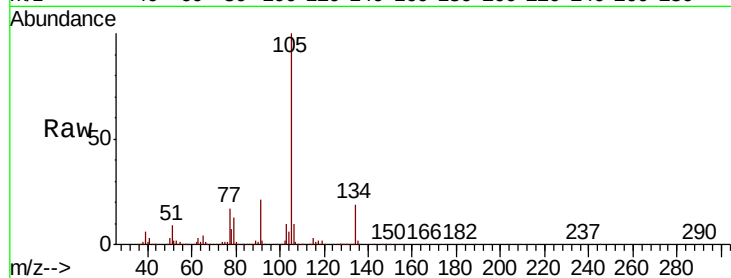
134 18.8 15.4 23.0

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

17.37

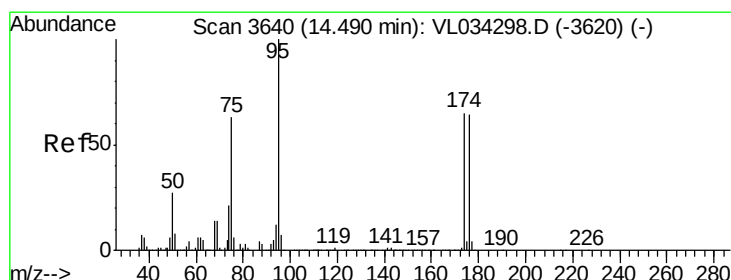
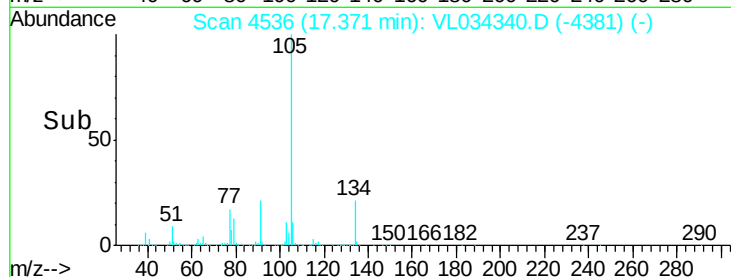
1500000

1000000

500000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 8.835 ppbv

RT: 14.49 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

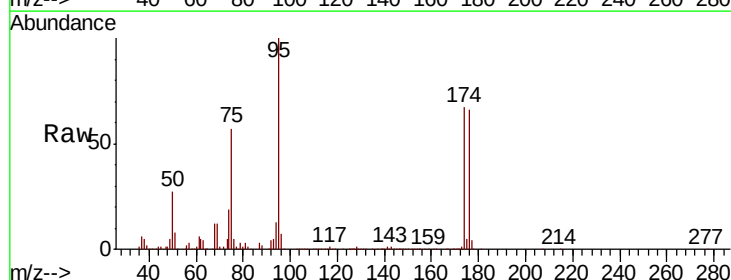
Tgt Ion: 95 Resp: 1561611

Ion Ratio Lower Upper

95 100

174 68.3 52.6 78.8

175 4.9 3.8 5.6



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

14.49

800000

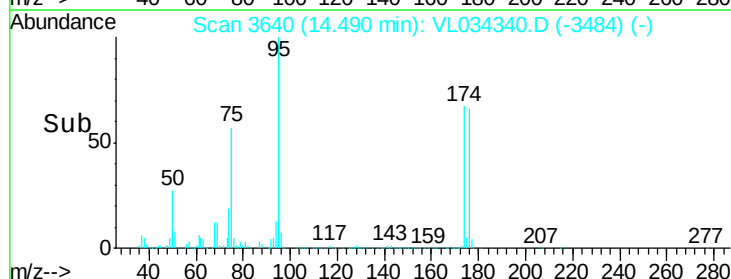
600000

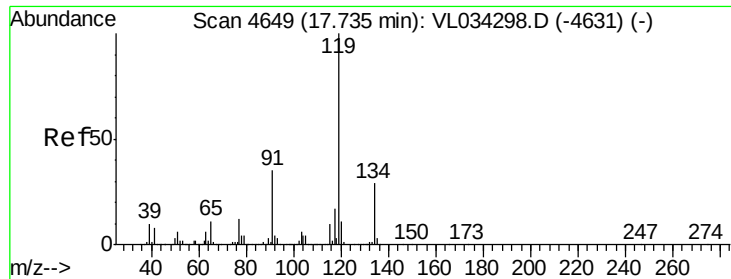
400000

200000

0

Time-->





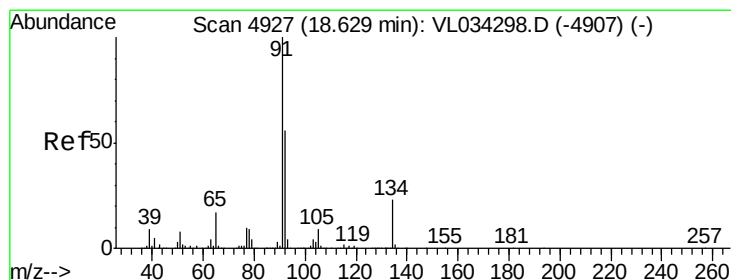
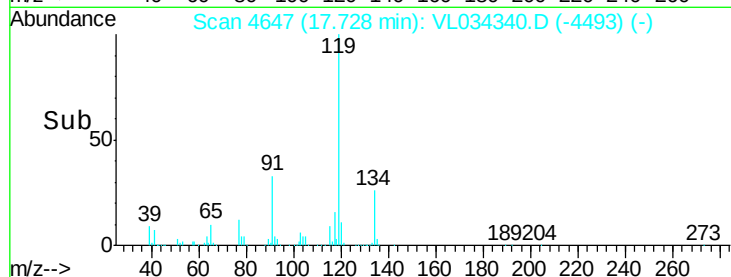
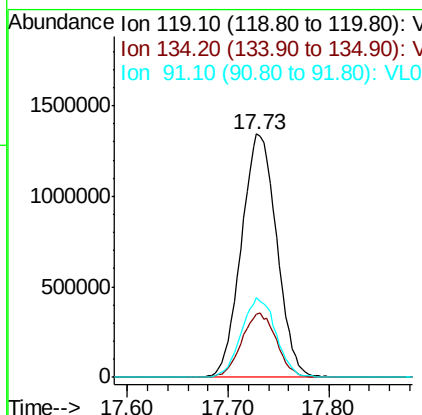
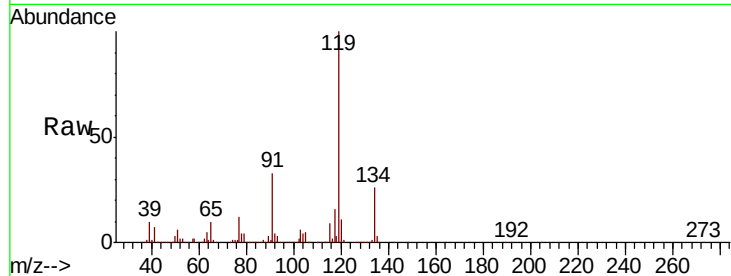
#69
 p-Isopropyltoluene
 Concen: 9.660 ppbv
 RT: 17.73 min Scan# 4647
 Delta R.T. -0.01 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	21.3	31.9
91	32.1	26.6	39.8

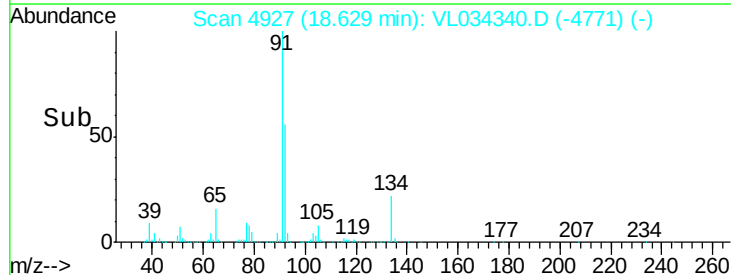
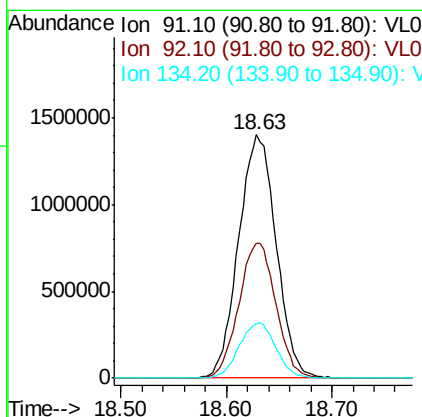
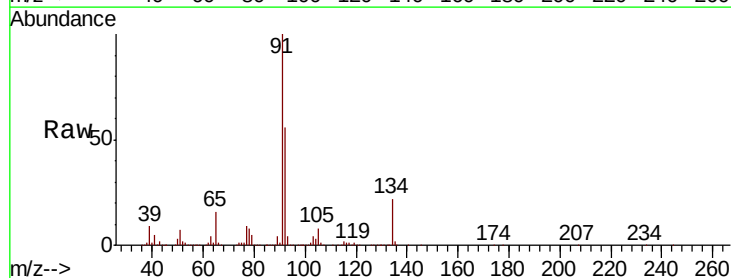
Manual Integrations
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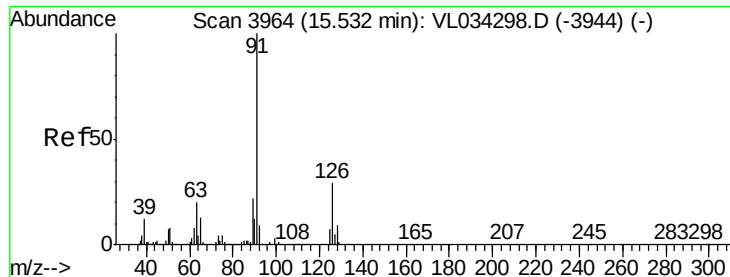
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#70
 n-Butylbenzene
 Concen: 9.430 ppbv
 RT: 18.63 min Scan# 4927
 Delta R.T. 0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.8	44.5	66.7
134	22.3	18.2	27.2





#71

2-Chlorotoluene

Concen: 9.900 ppbv

RT: 15.53 min Scan# 3963

Delta R.T. -0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2550437

Ion Ratio Lower Upper

91 100

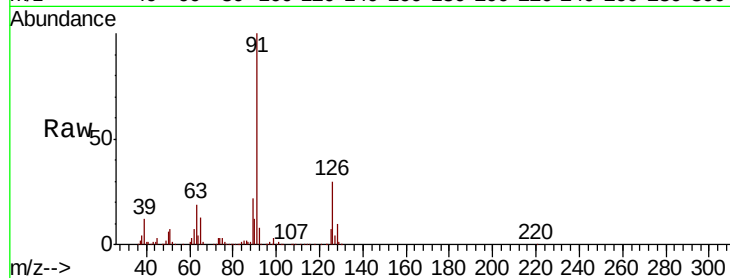
126 29.6 11.9 47.5

Manual Integrations

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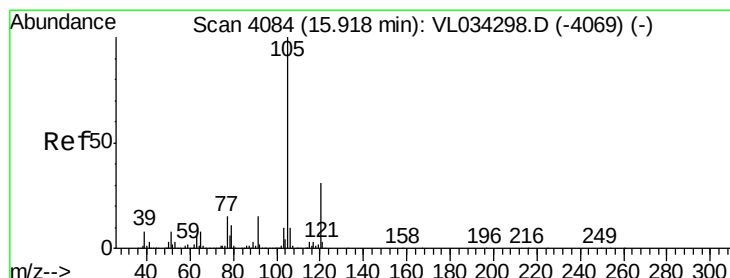
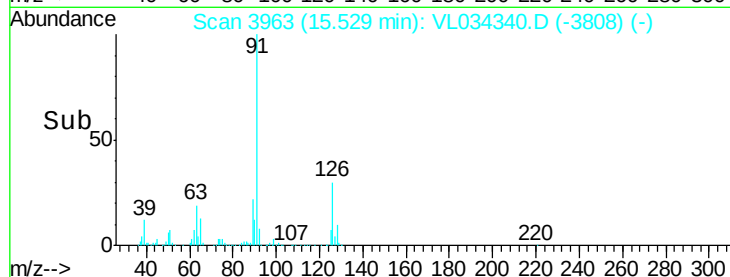
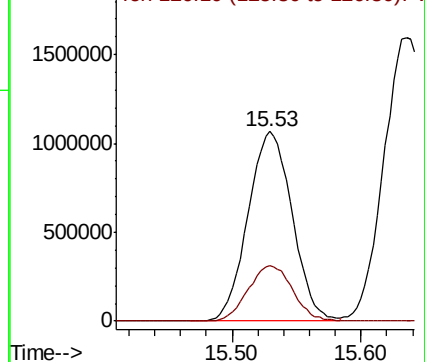
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.094 ppbv

RT: 15.91 min Scan# 4082

Delta R.T. -0.01 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Tgt Ion:105 Resp: 2855766

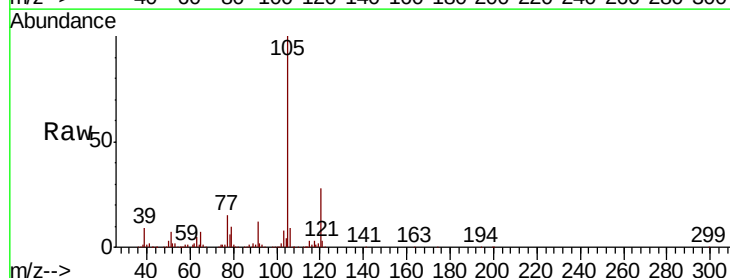
Ion Ratio Lower Upper

105 100

120 29.3 23.8 35.8

91 14.3 11.2 16.8

77 15.7 12.8 19.2

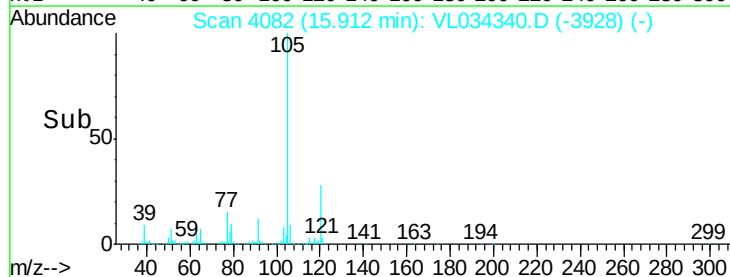
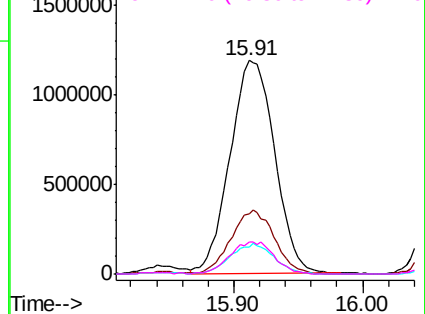


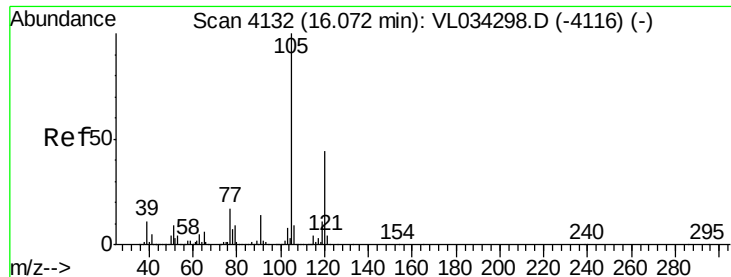
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 9.695 ppbv

RT: 16.07 min Scan# 4132

Delta R.T. 0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 2717696

Ion Ratio Lower Upper

105 100

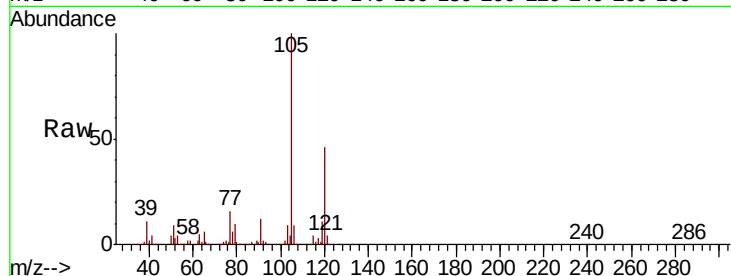
120 45.7 35.2 52.8

Manual Integrations

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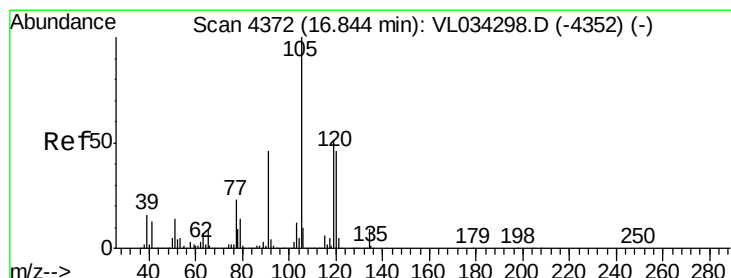
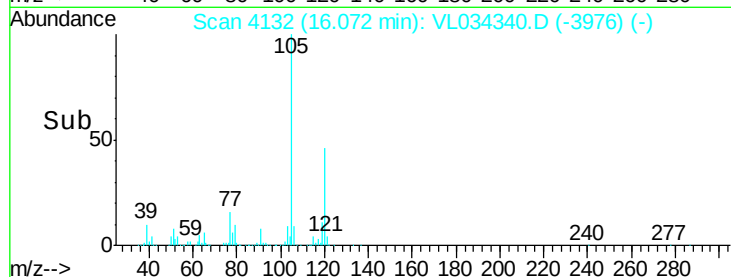
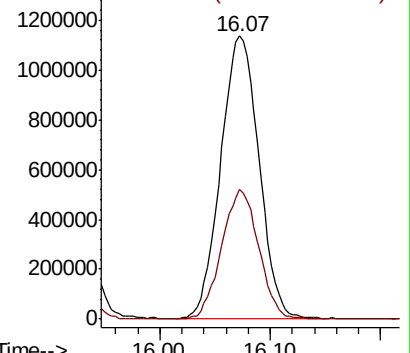
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.428 ppbv

RT: 16.84 min Scan# 4371

Delta R.T. -0.00 min

Lab File: VL034340.D

Acq: 18 Oct 2019 12:05

Tgt Ion:105 Resp: 2756182

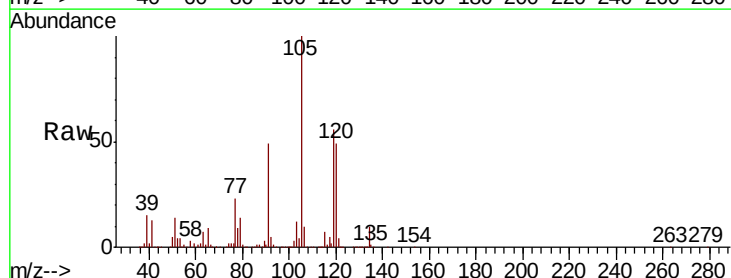
Ion Ratio Lower Upper

105 100

120 49.3 37.0 55.6

91 49.4 38.2 57.2

77 23.1 19.0 28.4

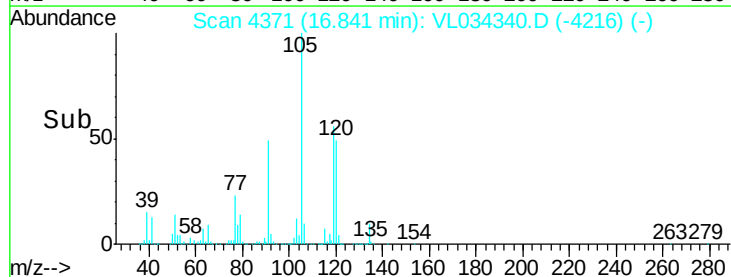
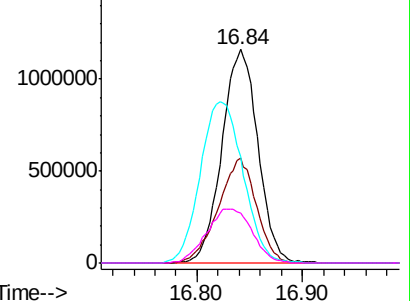


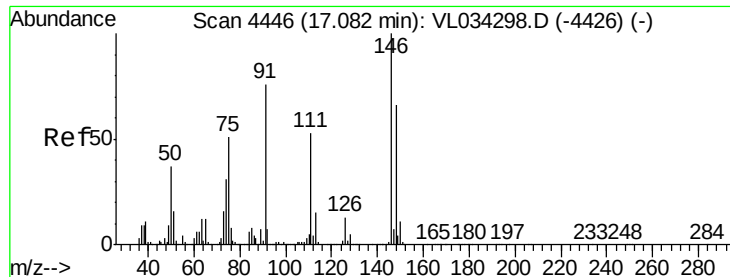
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





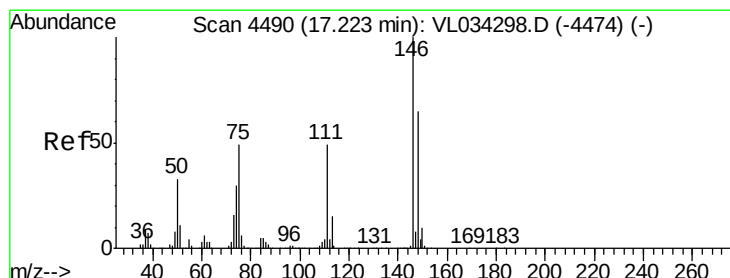
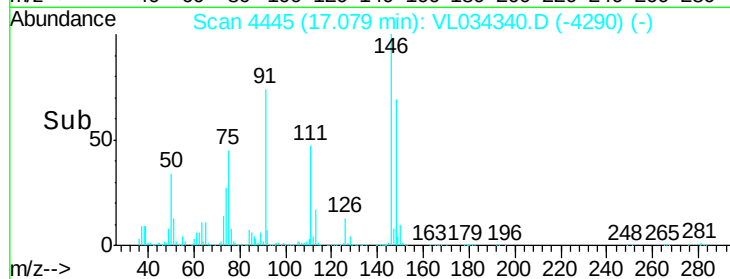
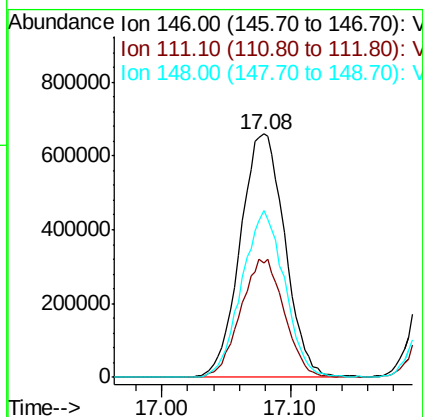
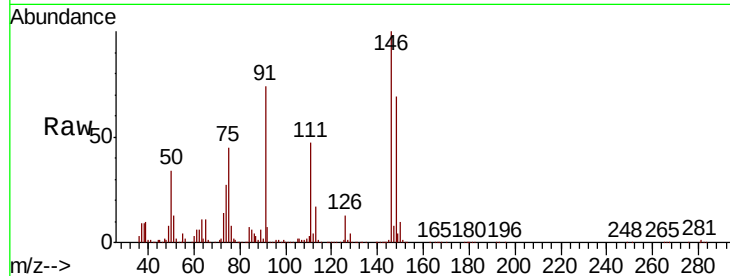
#75
 1,3-Dichlorobenzene
 Concen: 9.048 ppbv
 RT: 17.08 min Scan# 4445
 Delta R.T. -0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.6	24.5	73.5
148	65.9	32.3	96.8

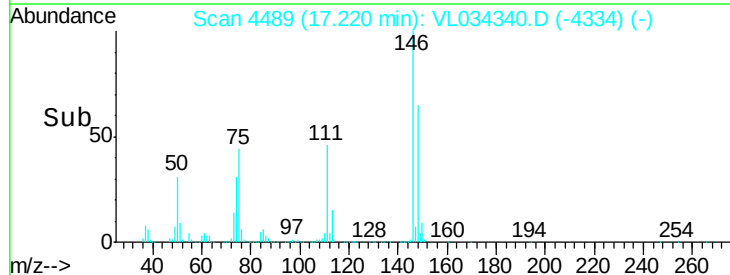
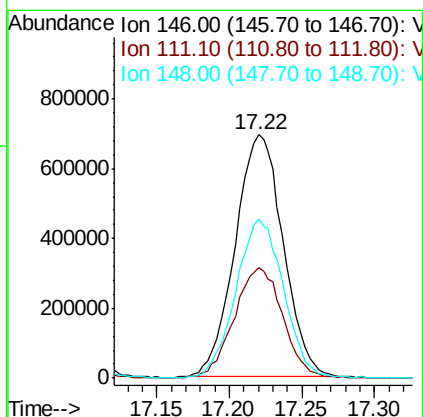
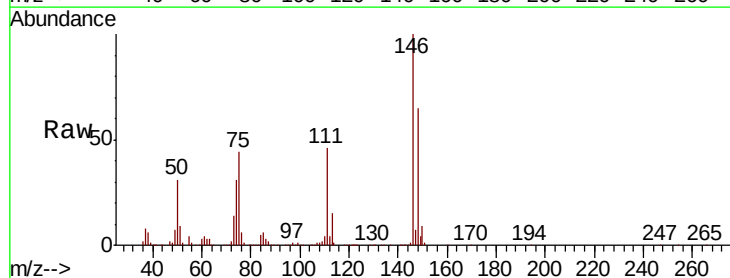
Manual Integrations
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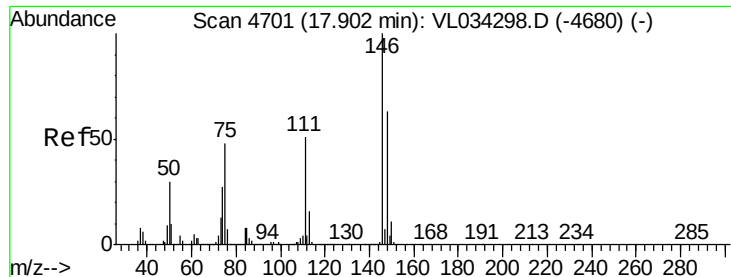
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#76
 1,4-Dichlorobenzene
 Concen: 9.297 ppbv
 RT: 17.22 min Scan# 4489
 Delta R.T. -0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.4	23.9	71.7
148	66.0	33.1	99.2





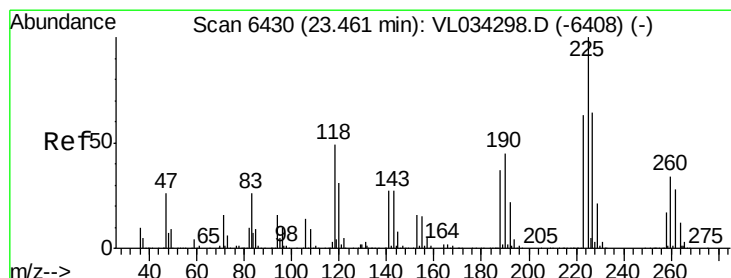
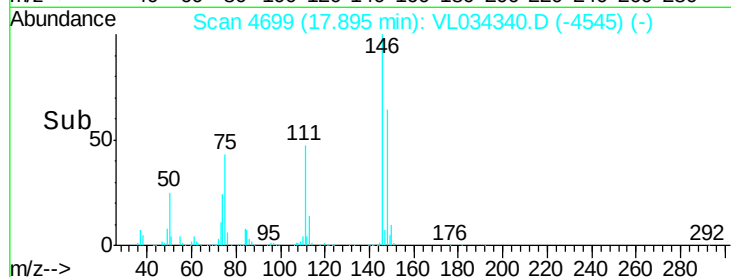
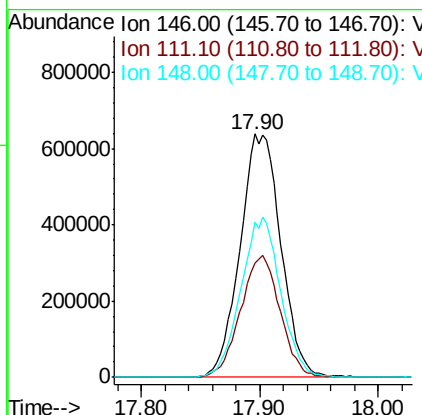
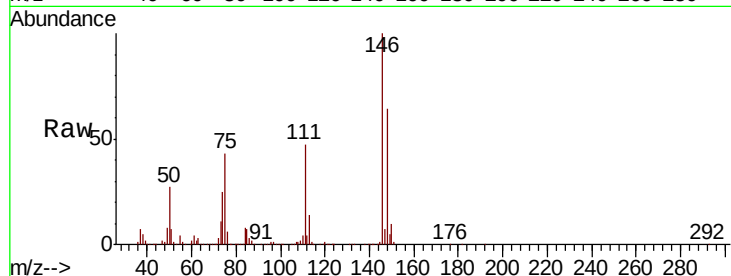
#77
 1,2-Dichlorobenzene
 Concen: 8.986 ppbv m
 RT: 17.90 min Scan# 4699
 Delta R.T. -0.01 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 1546299
 Ion Ratio Lower Upper
 146 100
 111 48.5 25.1 75.3
 148 64.1 32.3 96.8

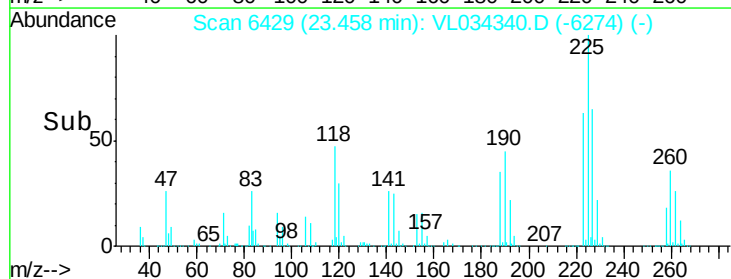
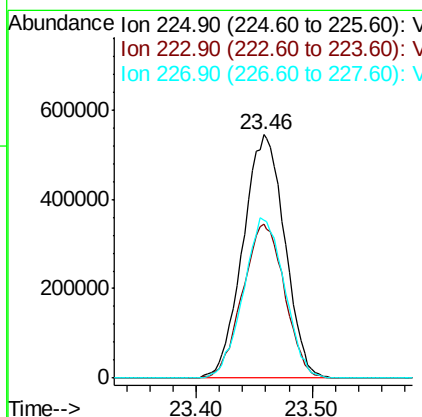
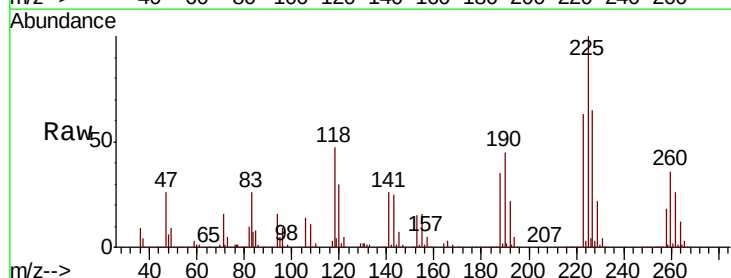
Manual Integrations
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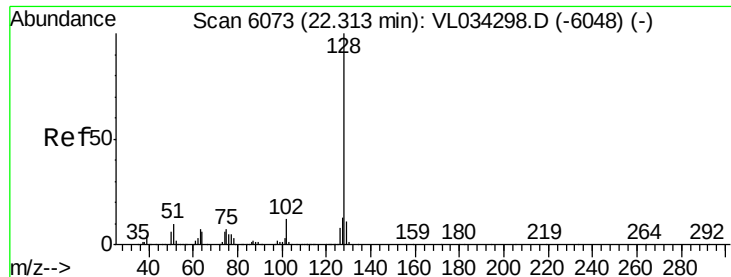
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.582 ppbv
 RT: 23.46 min Scan# 6429
 Delta R.T. -0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Tgt Ion:225 Resp: 1363945
 Ion Ratio Lower Upper
 225 100
 223 63.6 50.8 76.2
 227 64.7 51.5 77.3





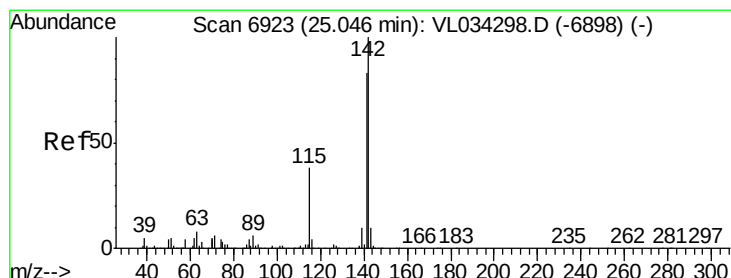
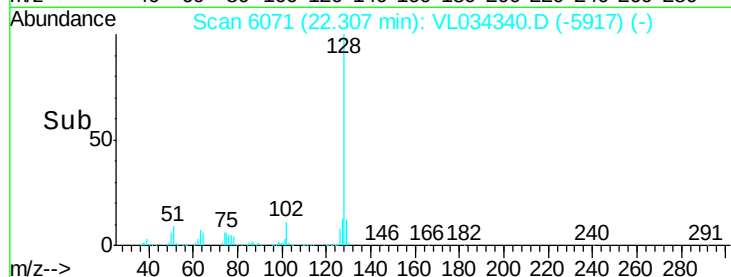
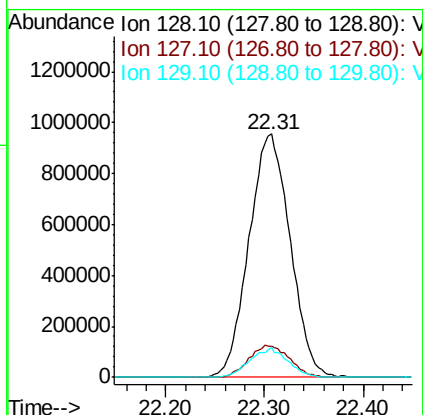
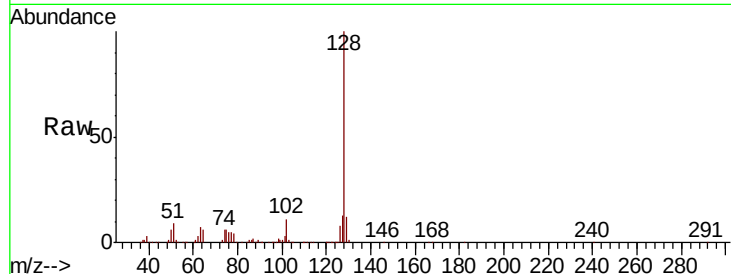
#79
Naphthalene
Concen: 12.893 ppbv
RT: 22.31 min Scan# 6071
Delta R.T. -0.01 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	12.1	8.9	13.3

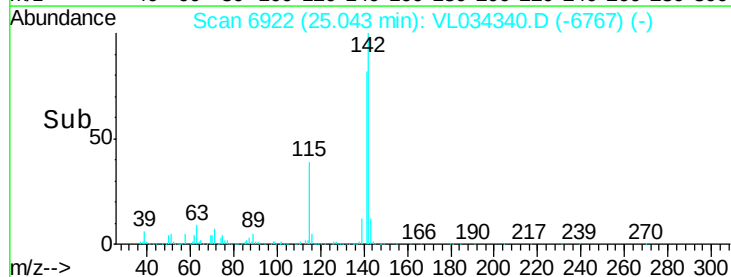
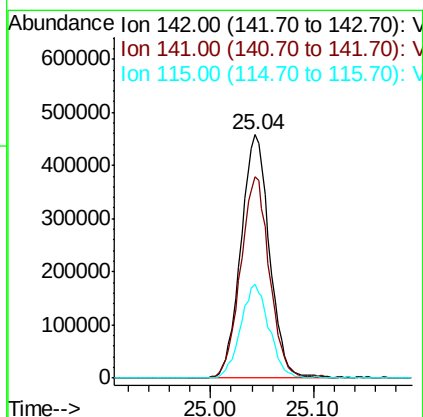
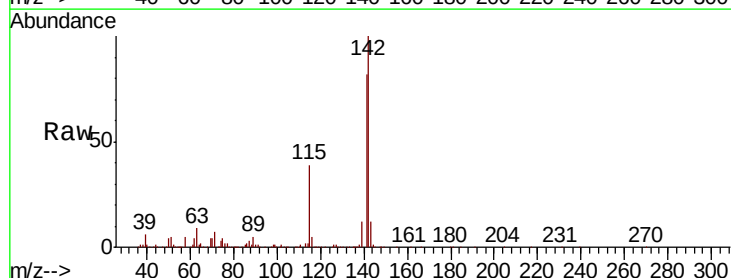
Manual Integrations
APPROVED

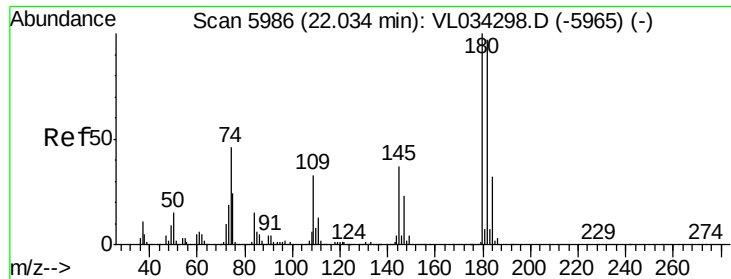
MMDadoda
10/22/2019 2:56:35 PM



#80
Naphthalene, 2-methyl-
Concen: 14.301 ppbv
RT: 25.04 min Scan# 6922
Delta R.T. -0.00 min
Lab File: VL034340.D
Acq: 18 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.2	65.7	98.5
115	38.4	30.9	46.3





#81
 1,2,4-Trichlorobenzene
 Concen: 5.195 ppbv
 RT: 22.04 min Scan# 5987
 Delta R.T. 0.00 min
 Lab File: VL034340.D
 Acq: 18 Oct 2019 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	215.8	77.8	116.8#
184	68.8	25.4	38.2#

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 2:56:35 PM

