

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102419\
 Data File : VL034357.D
 Acq On : 24 Oct 2019 23:31
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 10/28/2019 9:44:01 AM

Quant Time: Oct 25 03:54:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 1
 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	917275	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1927074	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	2038661m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1621450	9.39	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.90%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.02	85	1537037	9.720	ppbv	100
3) Chlorodifluoromethane	2.96	51	997093	9.274	ppbv	100
4) Chloromethane	3.12	50	527649	8.297	ppbv	99
5) Vinyl Chloride	3.23	62	508095	8.379	ppbv	98
6) Bromomethane	3.46	94	296497	9.985	ppbv	95
7) Chloroethane	3.54	64	187603	8.790	ppbv	96
8) Dichlorotetrafluoroethane	3.17	85	1200239	8.759	ppbv	96
9) Propene	2.99	41	446881	9.376	ppbv	100
10) Heptane	8.16	43	1173449	9.593	ppbv	99
11) Trichlorofluoromethane	3.94	101	1300492	8.662	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	899505	9.145	ppbv	99
13) Ethanol	3.59	45	79608	7.460	ppbv	100
14) Bromoethene	3.73	108	381747	9.857	ppbv	99
15) Acetone	3.84	43	957068	7.295	ppbv	100
16) 1,3-Butadiene	3.31	39	488566	9.165	ppbv	100
17) tert-Butyl alcohol	4.29	59	704034	8.408	ppbv	99
18) 1,1-Dichloroethene	4.29	96	403713	9.374	ppbv	96
19) Isopropyl Alcohol	3.96	45	556509	7.603	ppbv	100
20) Methylene Chloride	4.34	84	354106	7.466	ppbv	98
21) Allyl Chloride	4.41	41	678989	9.361	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	407193	9.479	ppbv	98
23) Vinyl Acetate	5.08	43	1509522	9.213	ppbv	98
24) 1,1-Dichloroethane	5.02	63	1089475	8.959	ppbv	99
25) Ethyl Acetate	5.69	43	1916714	8.653	ppbv	99
26) Hexane	5.70	57	851308	9.017	ppbv	96
27) Carbon Disulfide	4.55	76	961385	9.809	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1479130	10.352	ppbv	97
29) Chloroform	5.77	83	1362474	9.123	ppbv	99
30) Cyclohexane	7.16	84	702966	10.124	ppbv	96
31) cis-1,2-Dichloroethene	5.56	61	913956	9.539	ppbv	98
32) 1,1,1-Trichloroethane	6.54	97	1324290	9.119	ppbv	98
34) 2-Butanone	5.26	43	1307558	8.301	ppbv	97
35) Carbon Tetrachloride	7.05	117	1290611	7.689	ppbv	100
36) Benzene	6.92	78	1705752	9.225	ppbv	99
37) 1,2-Dichloroethane	6.33	62	1118210	8.115	ppbv	98
38) Trichloroethene	7.88	130	639344	8.617	ppbv	97
39) 1,2-Dichloropropane	7.65	63	688485	8.648	ppbv	94
40) 1,4-Dioxane	7.87	88	219601	7.849	ppbv #	62
41) Tetrahydrofuran	6.07	42	786838	9.001	ppbv	96
42) Bromodichloromethane	7.83	83	1490780	8.833	ppbv	98
43) Methyl Methacrylate	8.05	69	707156	9.247	ppbv	94

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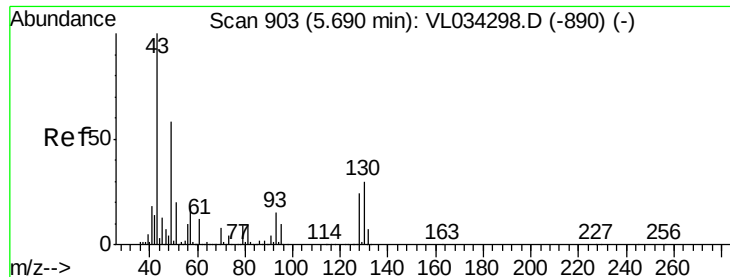
Manual Integrations
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 10/28/2019 9:44:01 AM

Quant Time: Oct 25 03:54:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Oct 1
 QLast Update : Thu Oct 17 05:12:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	2939107	8.588	ppbv	98
45) t-1,3-Dichloropropene	9.33	75	881017	9.456	ppbv	99
46) cis-1,3-Dichloropropene	8.75	75	1036721	9.685	ppbv	96
47) 1,1,2-Trichloroethane	9.53	97	713373	8.846	ppbv	96
48) Dibromochloromethane	10.36	129	1206454	9.120	ppbv	98
49) Bromoform	13.11	173	1079141	9.206	ppbv	99
50) 4-Methyl-2-Pentanone	8.78	43	1956685	8.677	ppbv	98
51) 2-Hexanone	10.18	43	1668187	9.025	ppbv #	98
52) Tetrachloroethene	11.28	164	648060	8.942	ppbv	94
53) Toluene	9.86	91	1971086	9.660	ppbv	100
54) 1,2-Dibromoethane	10.67	107	1112572	9.308	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.19	131	800560	8.521	ppbv #	59
57) Chlorobenzene	12.21	112	1453852	8.548	ppbv	99
58) Ethyl Benzene	12.77	91	2715261	9.528	ppbv	96
59) m/p-Xylene	13.06	91	4401110m	17.824	ppbv	
60) o-Xylene	13.76	91	2187686	8.898	ppbv	99
61) Styrene	13.59	104	1638452	9.465	ppbv	99
62) Isopropylbenzene	14.73	105	2964568	9.134	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.74	83	1556843	7.879	ppbv	99
64) n-propylbenzene	15.63	120	770183	9.246	ppbv	99
65) tert-Butylbenzene	16.82	119	2611138	9.077	ppbv	99
66) Benzyl Chloride	17.06	91	963779	8.483	ppbv	100
67) sec-Butylbenzene	17.37	105	3694773	9.127	ppbv	98
69) p-Isopropyltoluene	17.73	119	3053885	9.253	ppbv	99
70) n-Butylbenzene	18.62	91	3280132	9.134	ppbv	99
71) 2-Chlorotoluene	15.52	91	2342101	9.306	ppbv	100
72) 4-Ethyltoluene	15.91	105	2579078	9.331	ppbv	98
73) 1,3,5-Trimethylbenzene	16.07	105	2458617	8.978	ppbv	99
74) 1,2,4-Trimethylbenzene	16.83	105	2519773	8.823	ppbv	99
75) 1,3-Dichlorobenzene	17.08	146	1442143	8.411	ppbv	98
76) 1,4-Dichlorobenzene	17.21	146	1436024	8.574	ppbv	99
77) 1,2-Dichlorobenzene	17.90	146	1440506	8.569	ppbv	99
78) Hexachloro-1,3-Butadiene	23.45	225	1247530	8.972	ppbv	100
79) Naphthalene	22.30	128	2316843	11.106	ppbv	98
80) Naphthalene,2-methyl-	25.04	142	648187	10.749	ppbv	96
81) 1,2,4-Trichlorobenzene	22.02	180	1288737	9.459	ppbv	99

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



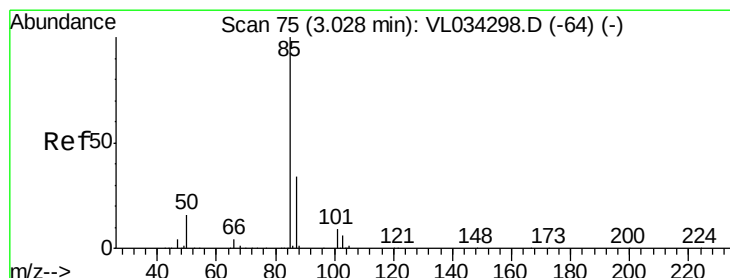
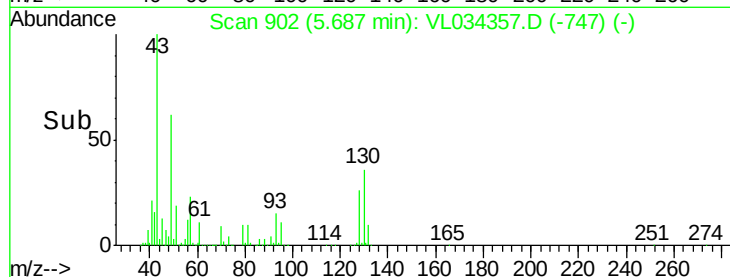
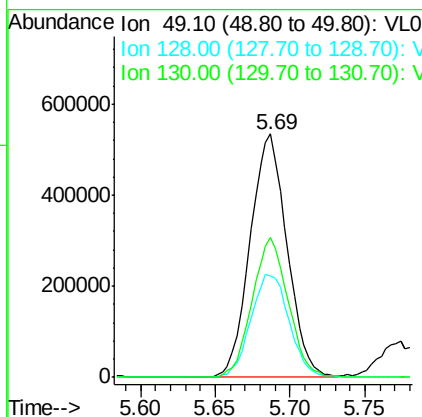
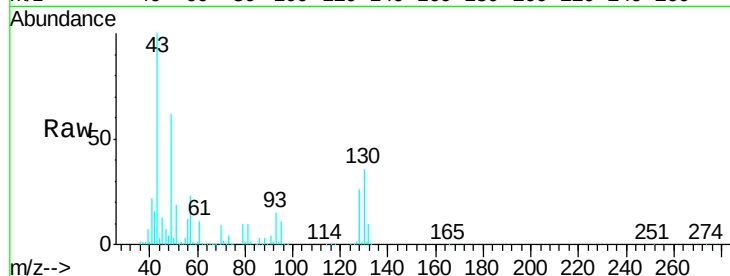
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 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.69 min Scan# 902
 Delta R.T. -0.00 min
 Lab File: VL034357.D
 Acq: 24 Oct 2019 23:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
49	100		
128	44.1	20.6	61.8
130	56.2	26.2	78.5

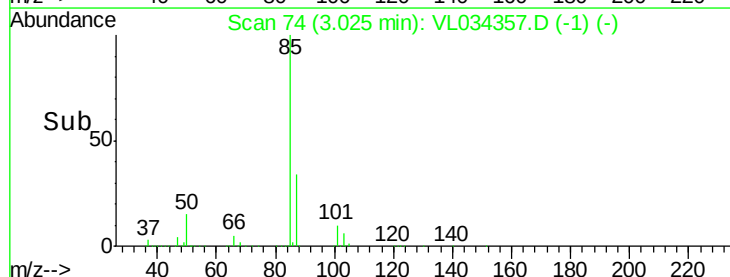
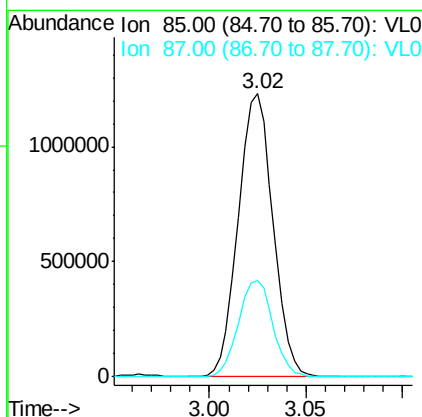
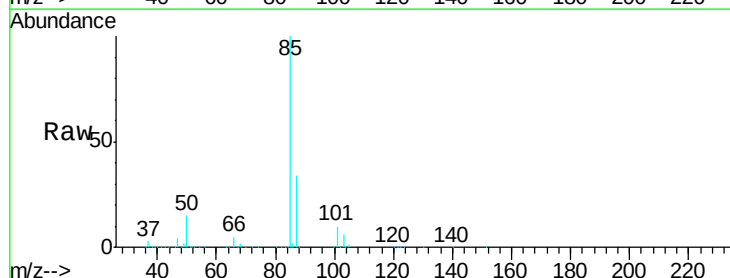
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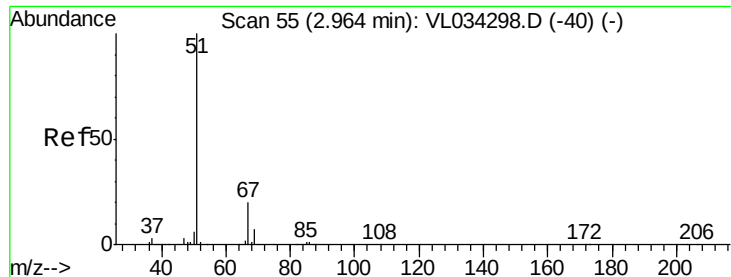
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#2
 Dichlorodifluoromethane
 Concen: 9.720 ppbv
 RT: 3.02 min Scan# 74
 Delta R.T. -0.00 min
 Lab File: VL034357.D
 Acq: 24 Oct 2019 23:31

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.9	27.0	40.6





#3

Chlorodifluoromethane

Concen: 9.274 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.00 min

Lab File: VL034357.D

Acq: 24 Oct 2019 23:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 51 Resp: 997093

Ion Ratio Lower Upper

51 100

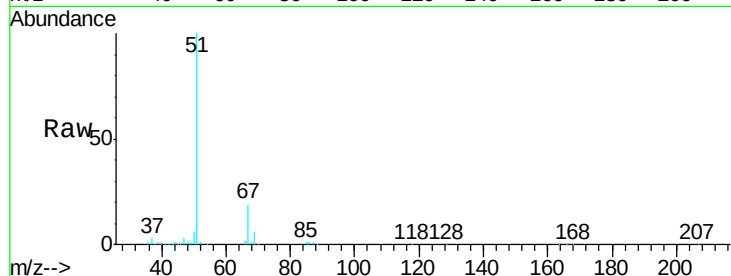
67 19.8 15.8 23.8

Manual Integrations

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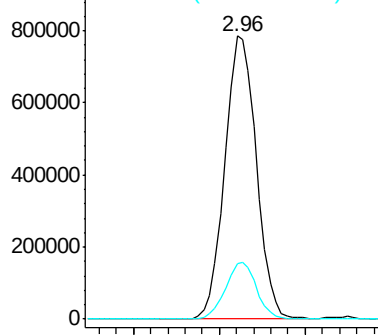
MMDadoda

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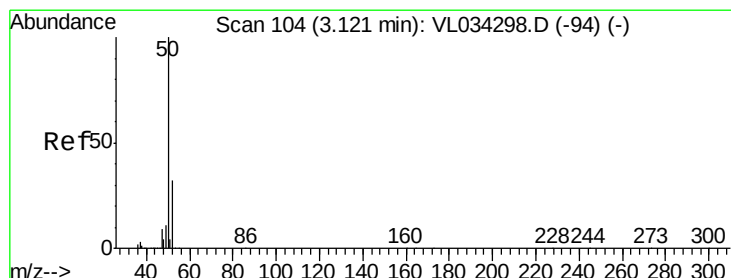
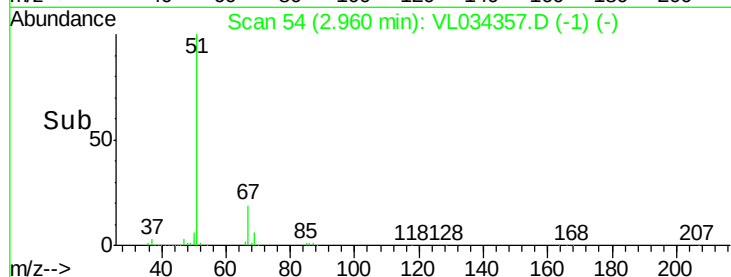


Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



Time-->



#4

Chloromethane

Concen: 8.297 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.00 min

Lab File: VL034357.D

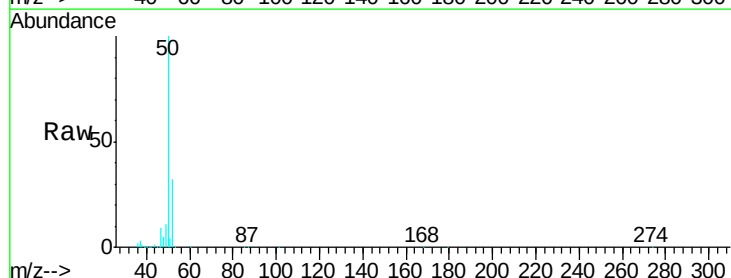
Acq: 24 Oct 2019 23:31

Tgt Ion: 50 Resp: 527649

Ion Ratio Lower Upper

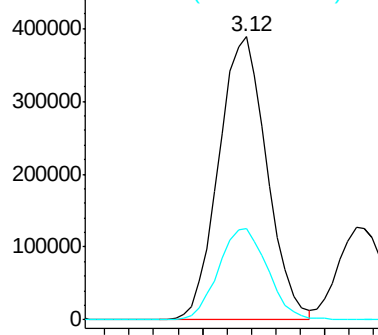
50 100

52 32.2 25.4 38.2

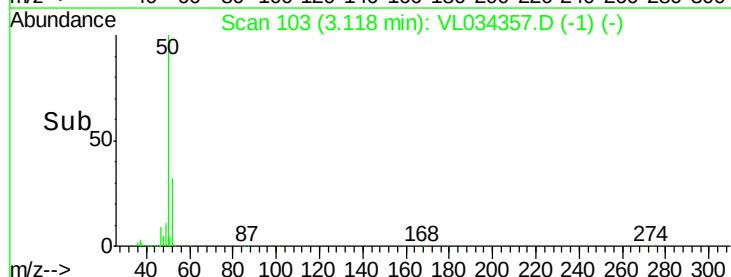


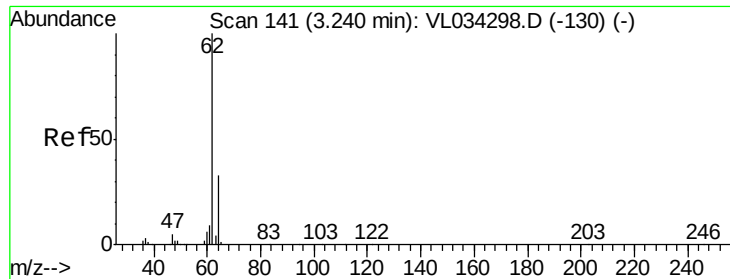
Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



Time-->





#5

Vinyl Chloride

Concen: 8.379 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.01 min

Lab File: VL034357.D

Acq: 24 Oct 2019 23:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 62 Resp: 508095

Ion Ratio Lower Upper

62 100

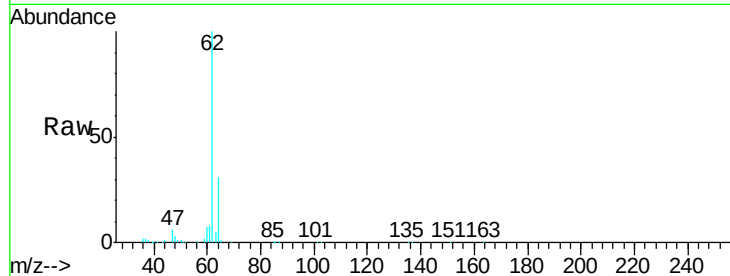
64 31.4 26.0 39.0

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.23

400000

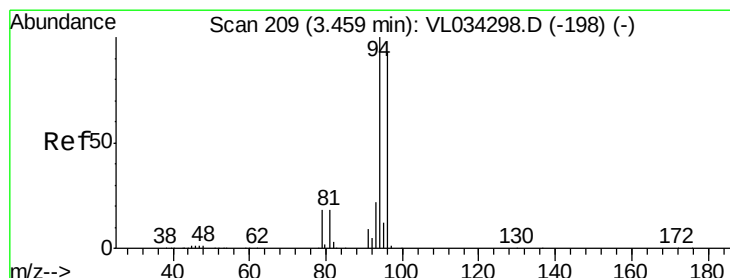
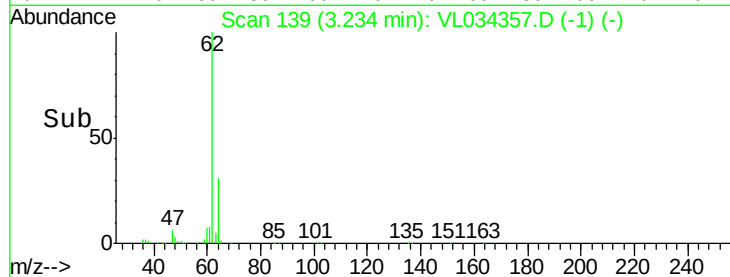
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.985 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.00 min

Lab File: VL034357.D

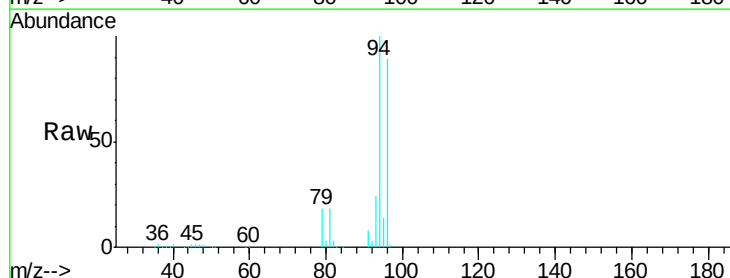
Acq: 24 Oct 2019 23:31

Tgt Ion: 94 Resp: 296497

Ion Ratio Lower Upper

94 100

96 88.9 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

250000

200000

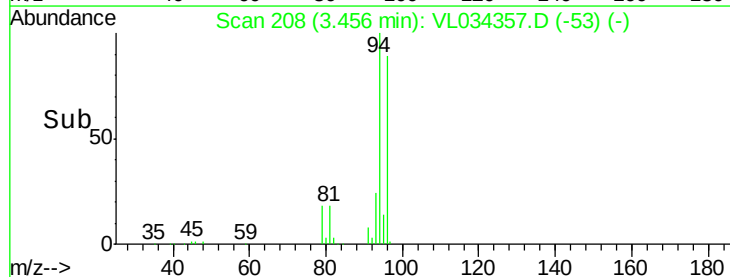
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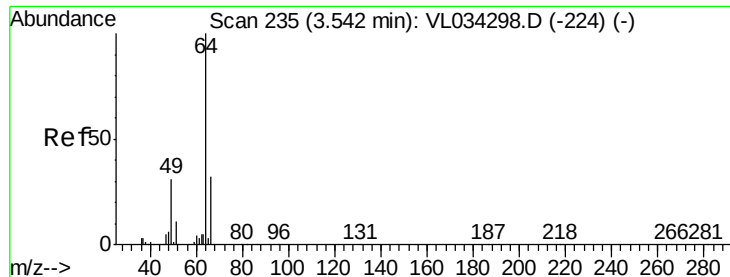
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50000

0

Time-->





#7

Chloroethane

Concen: 8.790 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.00 min

Lab File: VL034357.D

Acq: 24 Oct 2019 23:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 64 Resp: 187603

Ion Ratio Lower Upper

64 100

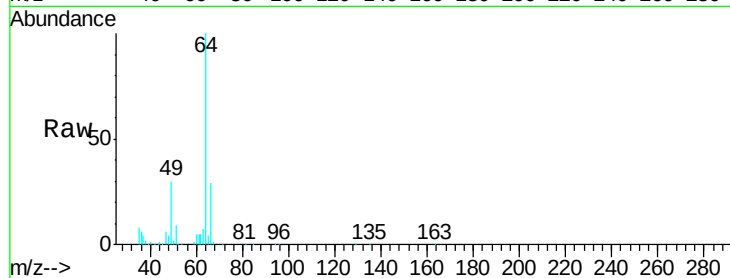
66 29.5 25.4 38.0

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

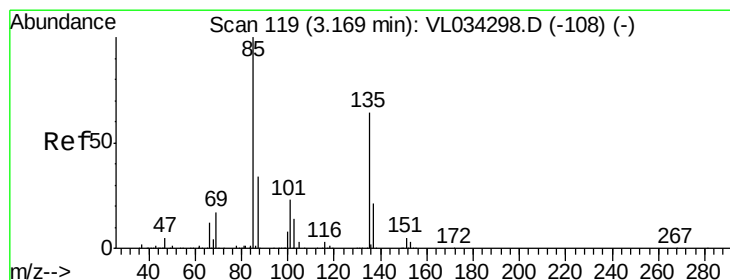
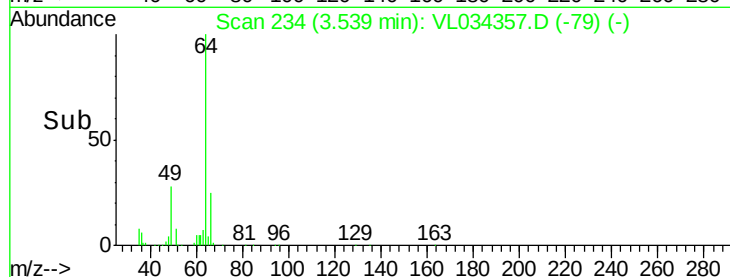
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.759 ppbv

RT: 3.17 min Scan# 118

Delta R.T. -0.00 min

Lab File: VL034357.D

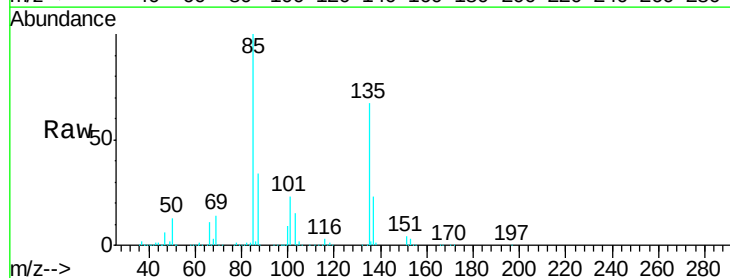
Acq: 24 Oct 2019 23:31

Tgt Ion: 85 Resp: 1200239

Ion Ratio Lower Upper

85 100

135 65.9 50.2 75.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.17

1000000

800000

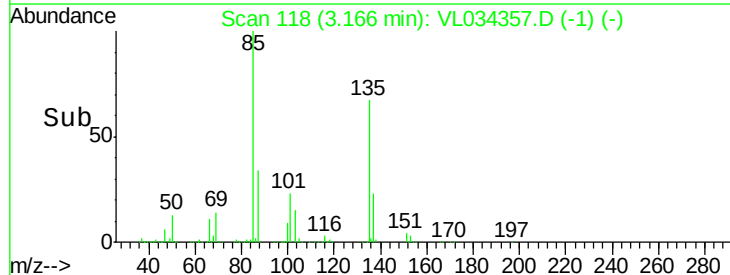
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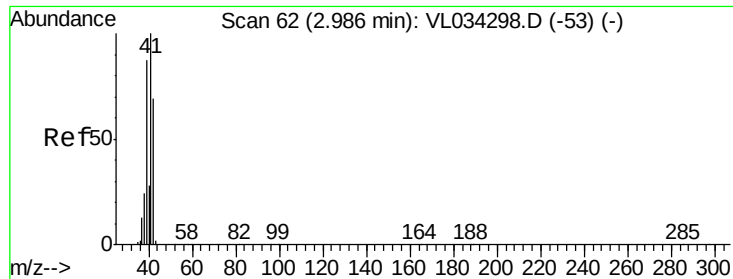
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Time-->





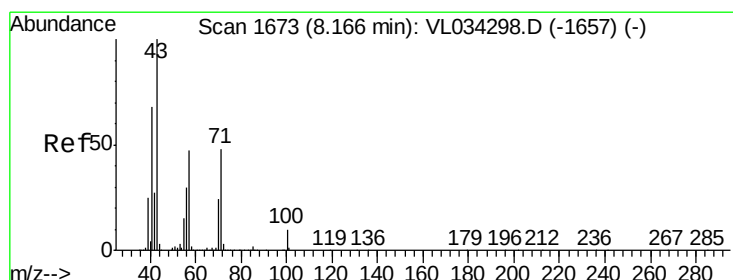
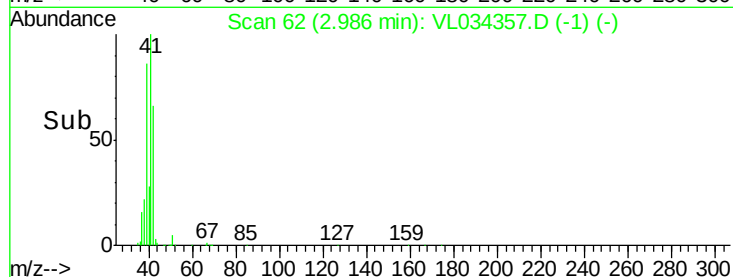
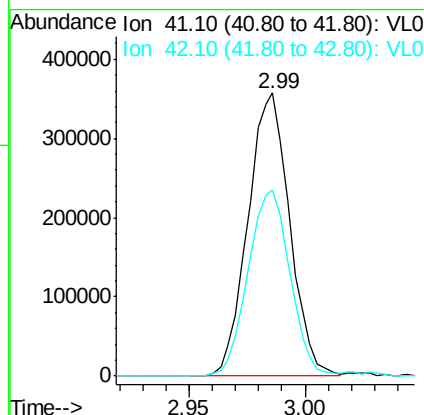
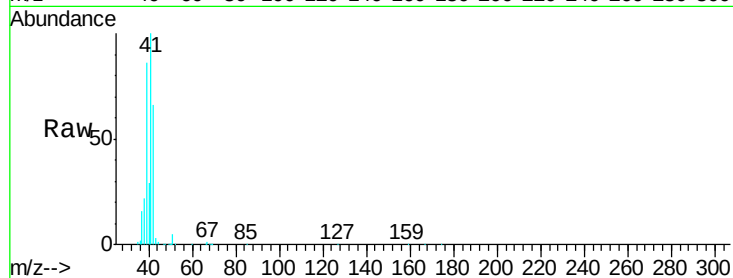
#9
 Propene
 Concen: 9.376 ppbv
 RT: 2.99 min Scan# 62
 Delta R.T. 0.00 min
 Lab File: VL034357.D
 Acq: 24 Oct 2019 23:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 41 Resp: 446881
 Ion Ratio Lower Upper
 41 100
 42 67.6 53.9 80.9

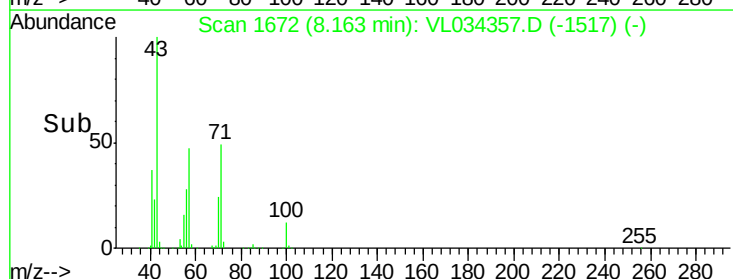
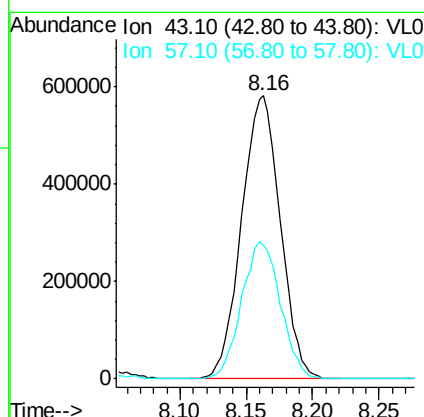
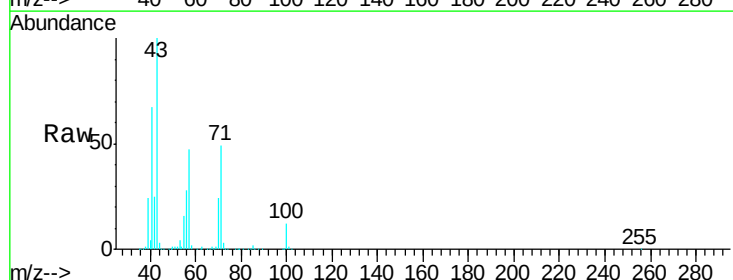
Manual Integrations
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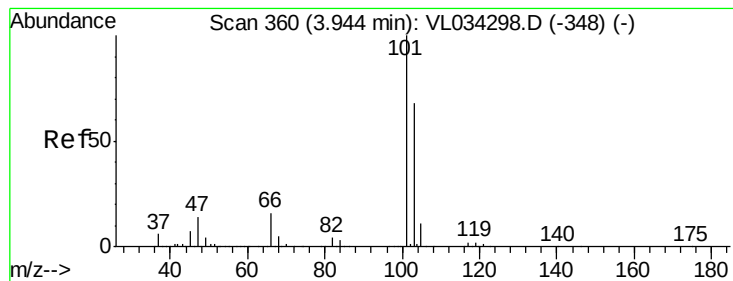
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 10/28/2019 9:44:01 AM



#10
 Heptane
 Concen: 9.593 ppbv
 RT: 8.16 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VL034357.D
 Acq: 24 Oct 2019 23:31

Tgt Ion: 43 Resp: 1173449
 Ion Ratio Lower Upper
 43 100
 57 49.0 39.5 59.3





#11

Trichlorofluoromethane

Concen: 8.662 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.00 min

Lab File: VL034357.D

Acq: 24 Oct 2019 23:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:101 Resp: 1300492

Ion Ratio Lower Upper

101 100

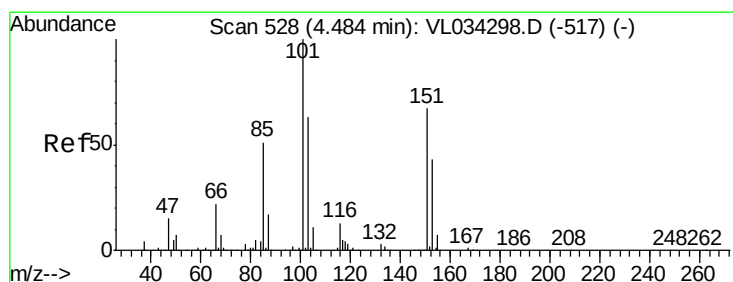
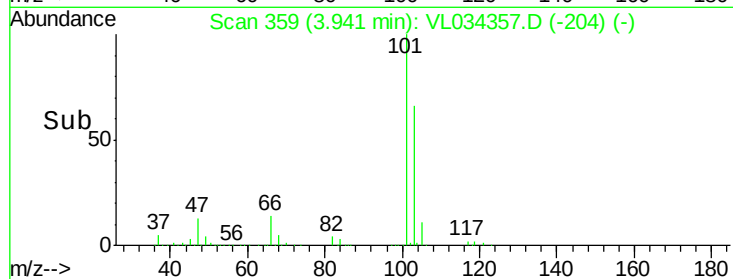
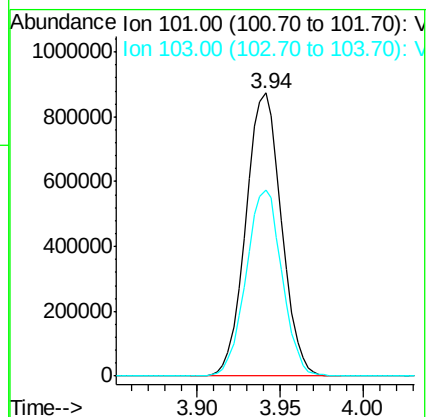
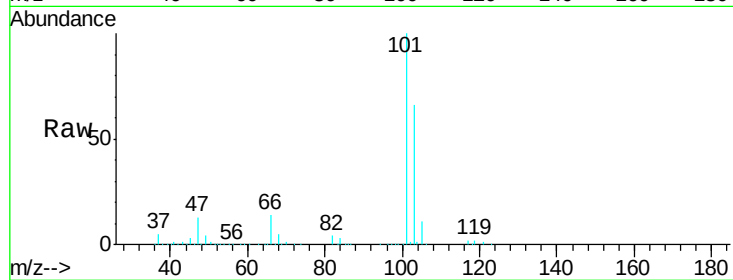
103 65.9 54.5 81.7

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.145 ppbv

RT: 4.48 min Scan# 528

Delta R.T. 0.00 min

Lab File: VL034357.D

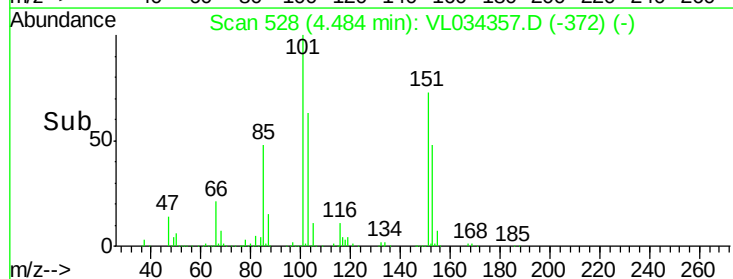
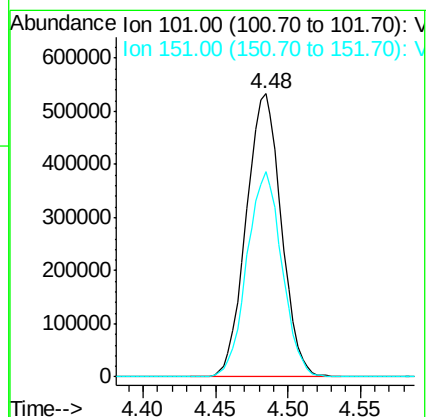
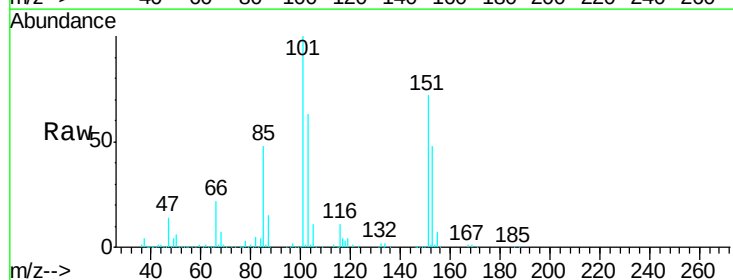
Acq: 24 Oct 2019 23:31

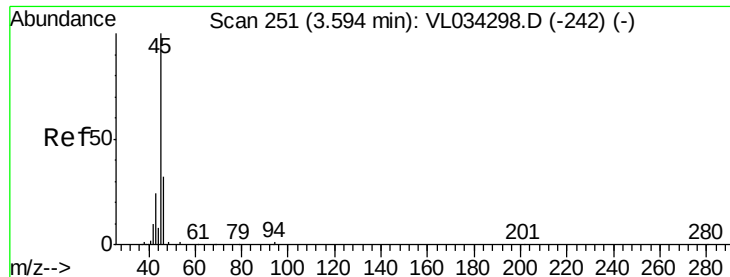
Tgt Ion:101 Resp: 899505

Ion Ratio Lower Upper

101 100

151 72.5 57.4 86.2





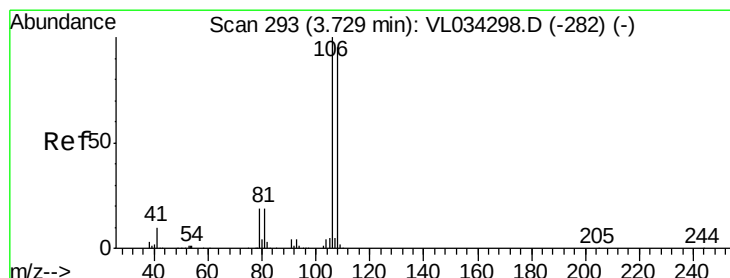
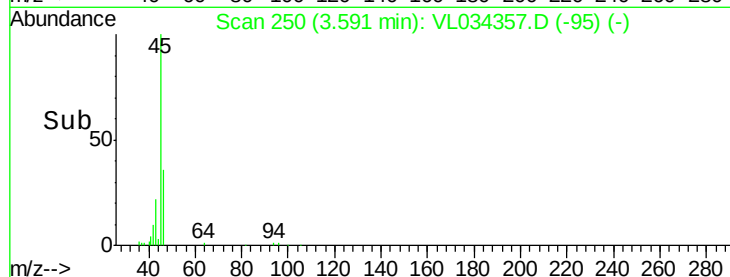
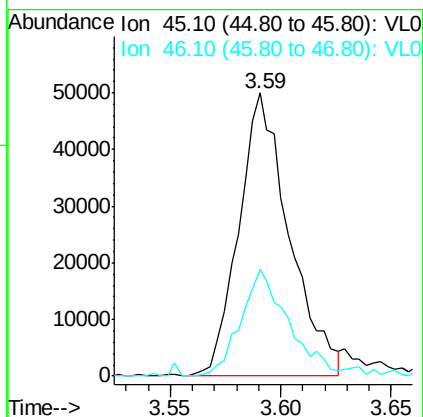
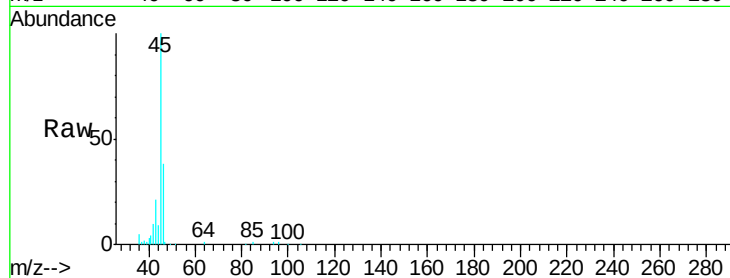
#13
Ethanol
Concen: 7.460 ppbv
RT: 3.59 min Scan# 250
Delta R.T. -0.00 min
Lab File: VL034357.D
Acq: 24 Oct 2019 23:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 79608
Ion Ratio Lower Upper
45 100
46 39.5 15.8 63.2

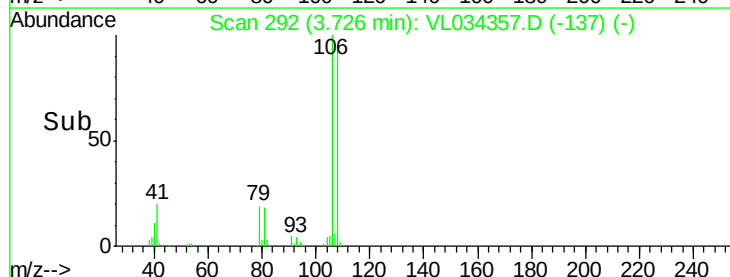
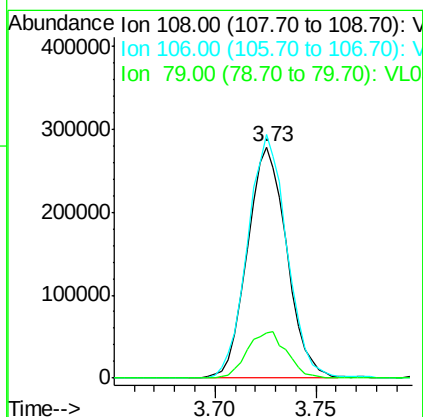
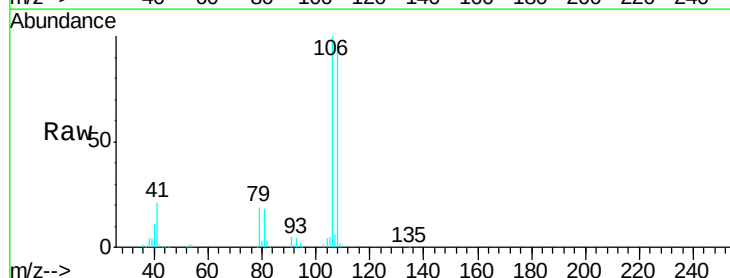
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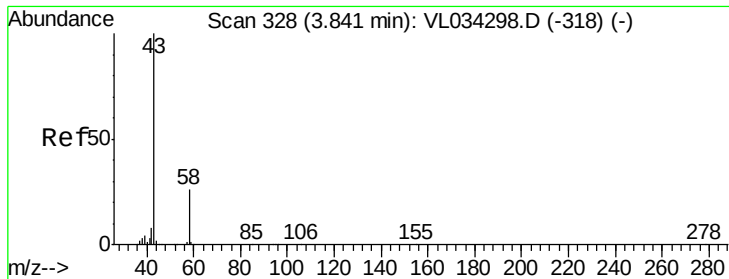
MMDadoda
10/28/2019 9:44:01 AM



#14
Bromoethene
Concen: 9.857 ppbv
RT: 3.73 min Scan# 292
Delta R.T. -0.00 min
Lab File: VL034357.D
Acq: 24 Oct 2019 23:31

Tgt Ion: 108 Resp: 381747
Ion Ratio Lower Upper
108 100
106 105.5 84.8 127.2
79 20.7 17.0 25.4





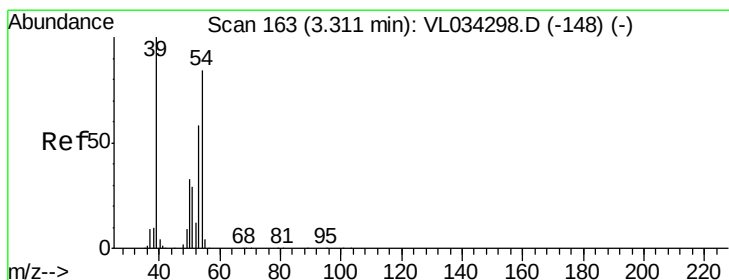
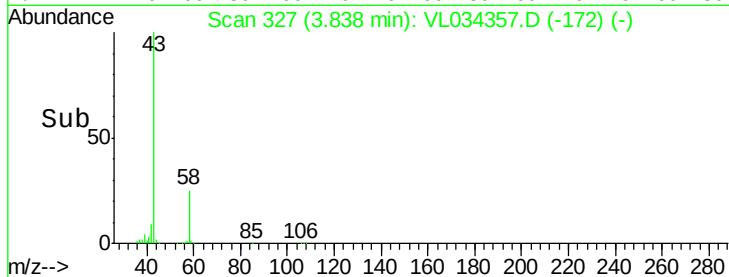
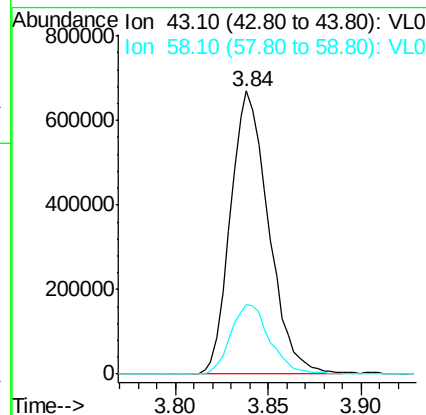
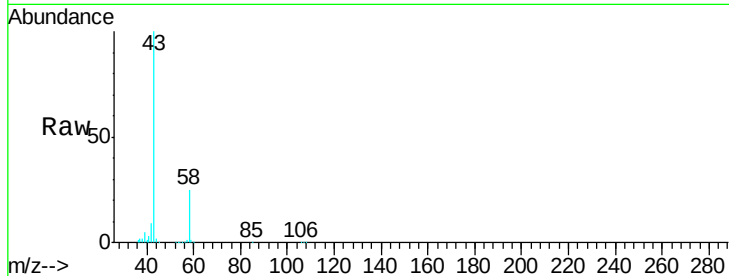
#15
Acetone
Concen: 7.295 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.00 min
Lab File: VL034357.D
Acq: 24 Oct 2019 23:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 957068
Ion Ratio Lower Upper
43 100
58 25.3 20.4 30.6

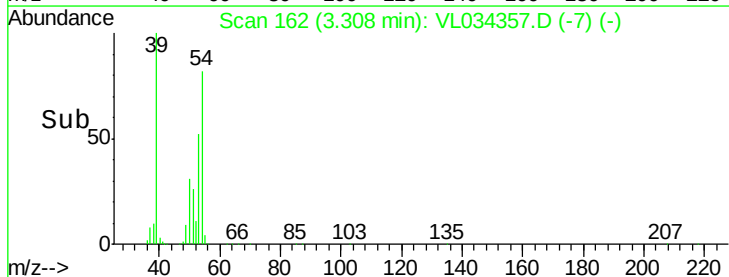
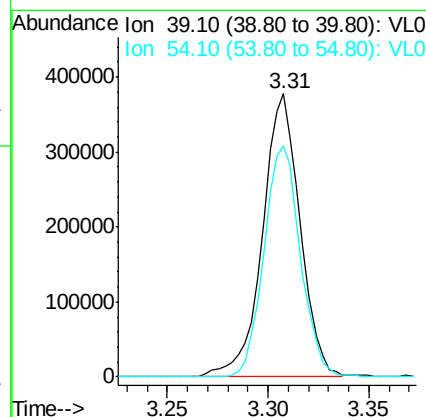
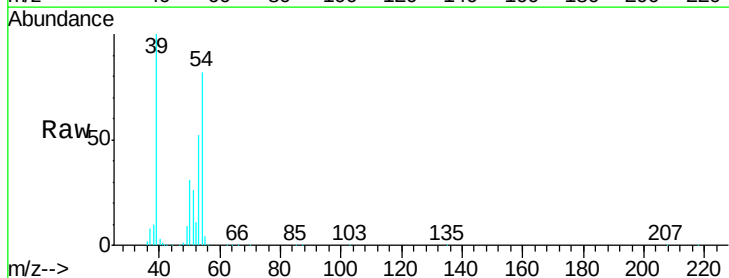
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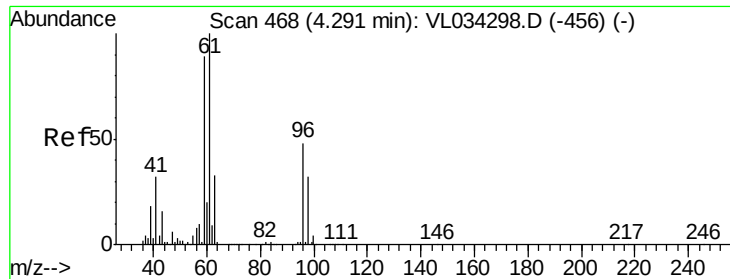
MMDadoda
10/28/2019 9:44:01 AM



#16
1,3-Butadiene
Concen: 9.165 ppbv
RT: 3.31 min Scan# 162
Delta R.T. -0.00 min
Lab File: VL034357.D
Acq: 24 Oct 2019 23:31

Tgt Ion: 39 Resp: 488566
Ion Ratio Lower Upper
39 100
54 80.2 63.9 95.9





#17

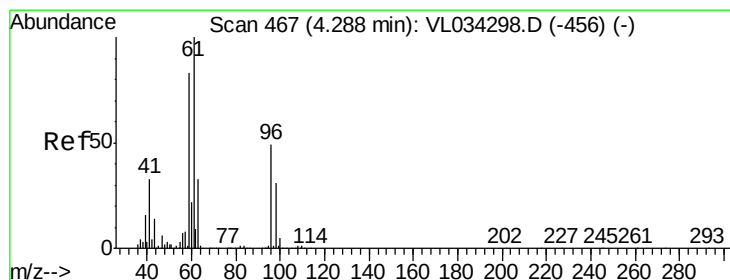
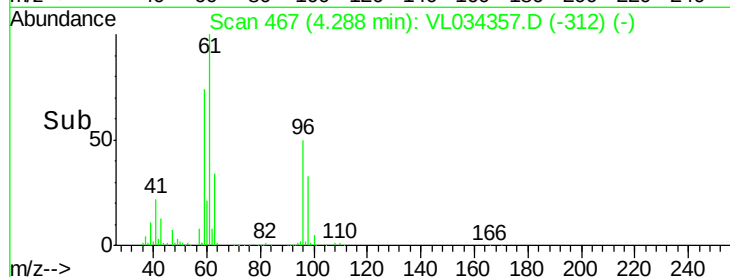
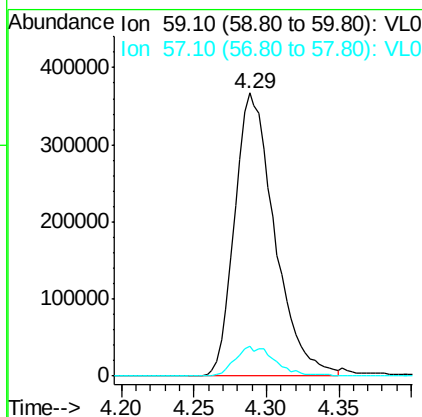
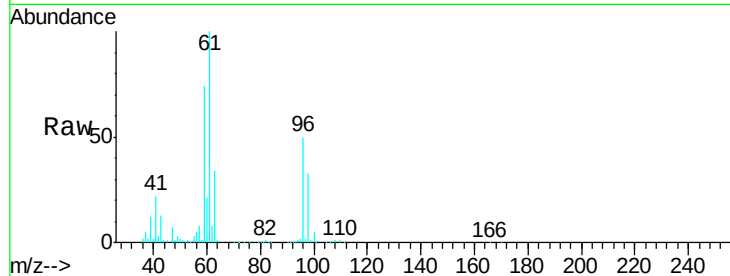
tert-Butyl alcohol
Concen: 8.408 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.00 min
Lab File: VL034357.D
Acq: 24 Oct 2019 23:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 704034
Ion Ratio Lower Upper
59 100
57 10.4 8.8 13.2

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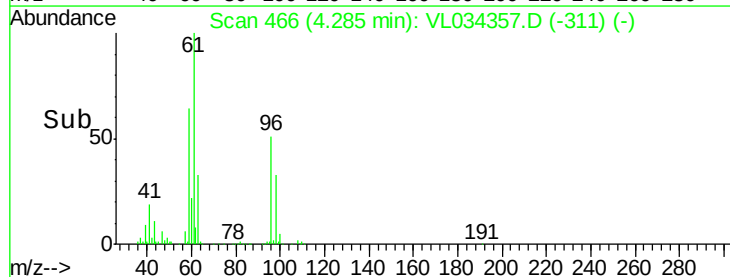
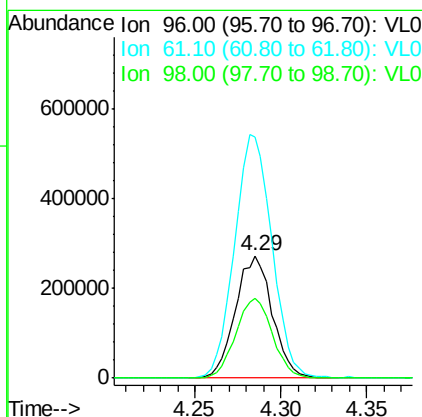
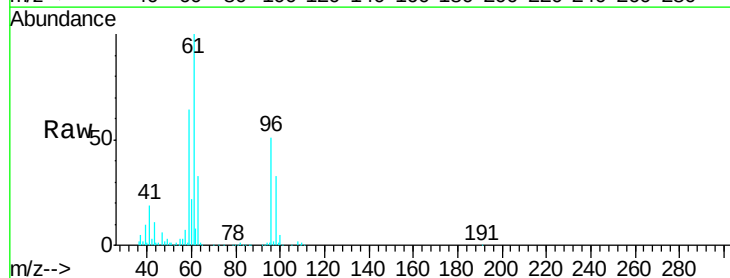
MMDadoda
10/28/2019 9:44:01 AM

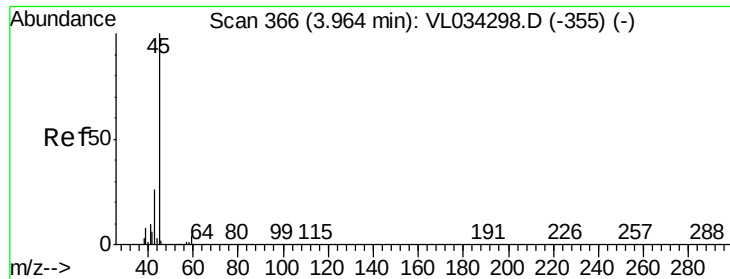


#18

1,1-Dichloroethene
Concen: 9.374 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.00 min
Lab File: VL034357.D
Acq: 24 Oct 2019 23:31

Tgt Ion: 96 Resp: 403713
Ion Ratio Lower Upper
96 100
61 197.5 164.5 246.7
98 64.9 51.7 77.5





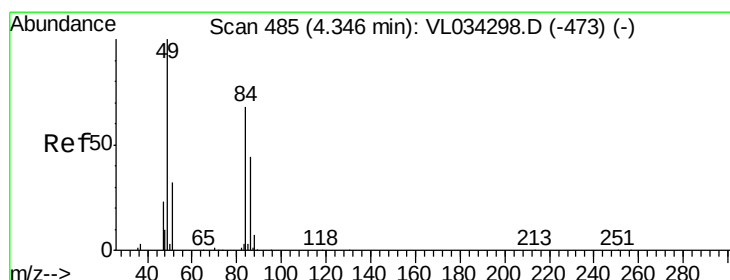
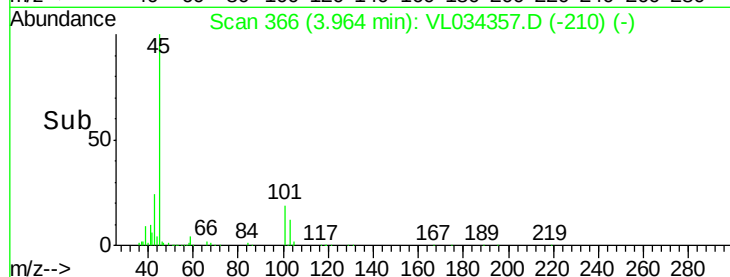
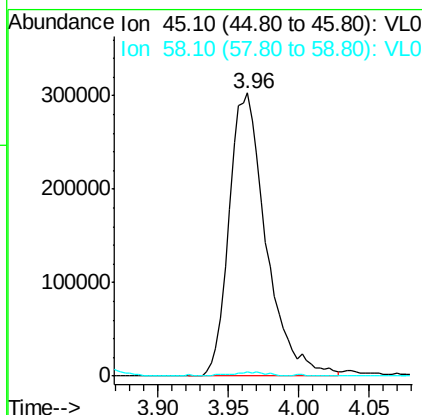
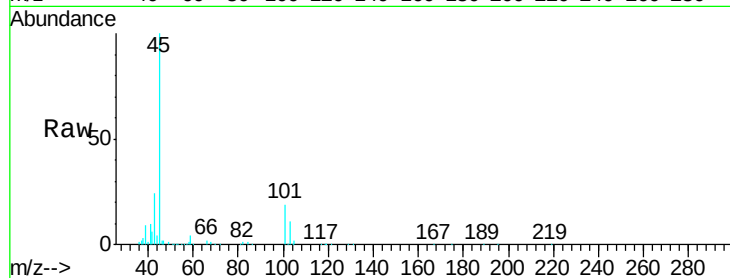
#19
Isopropyl Alcohol
Concen: 7.603 ppbv
RT: 3.96 min Scan# 366
Delta R.T. 0.00 min
Lab File: VL034357.D
Acq: 24 Oct 2019 23:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
45	100		
58	1.8	1.4	2.2

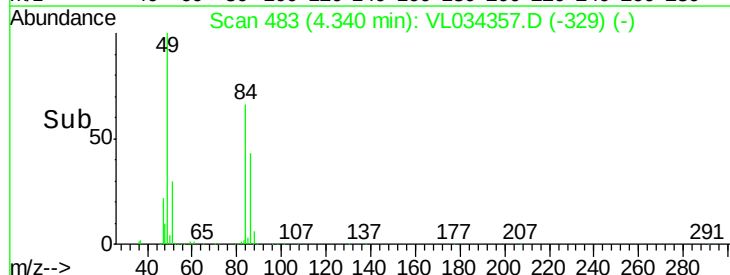
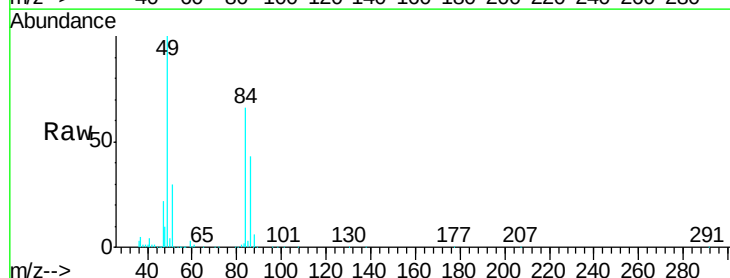
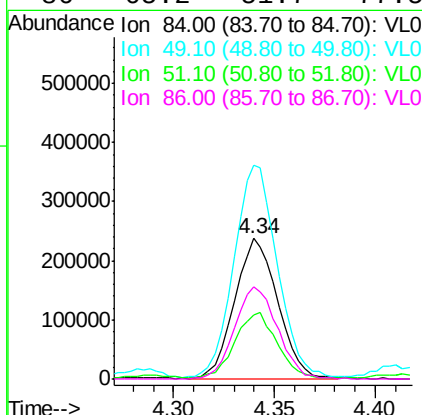
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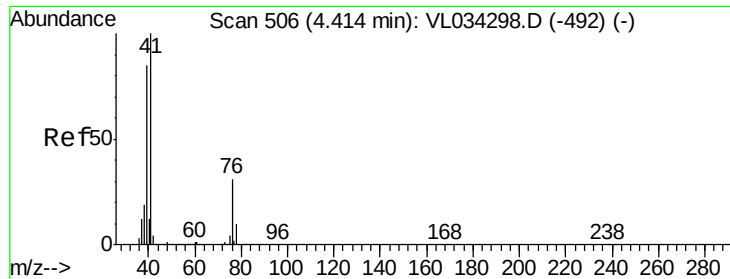
MMDadoda
10/28/2019 9:44:01 AM



#20
Methylene Chloride
Concen: 7.466 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.01 min
Lab File: VL034357.D
Acq: 24 Oct 2019 23:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	151.1	118.5	177.7
51	45.2	38.8	58.2
86	65.2	51.7	77.5





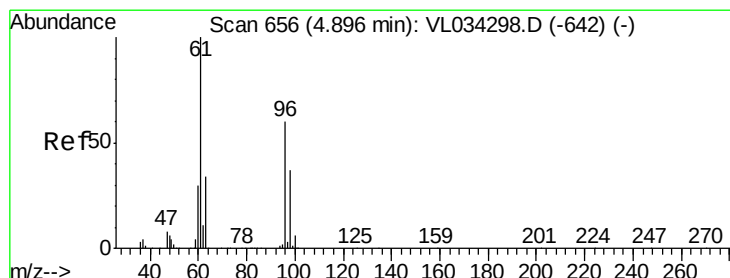
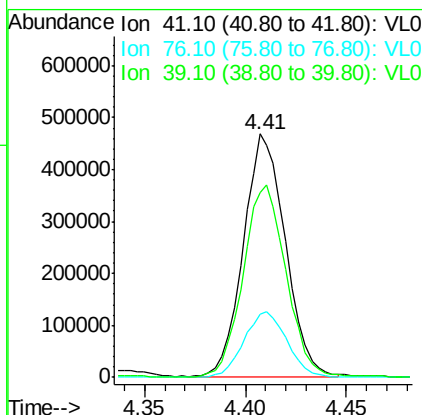
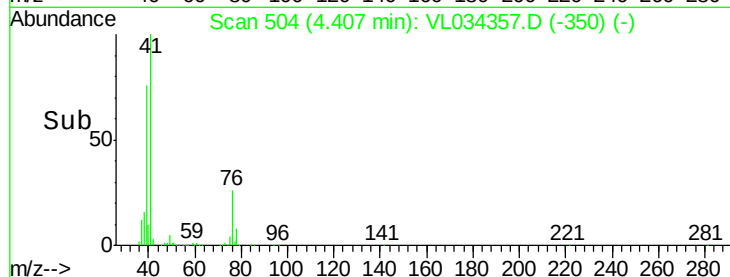
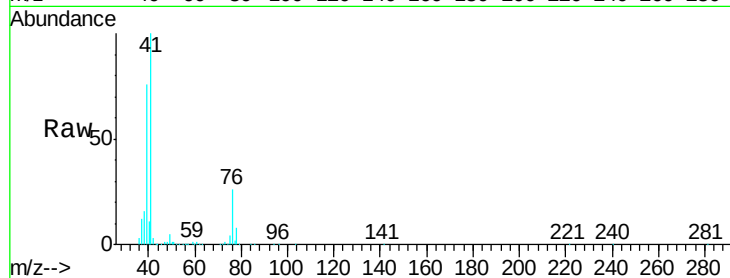
#21
 Allyl Chloride
 Concen: 9.361 ppbv
 RT: 4.41 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VL034357.D
 Acq: 24 Oct 2019 23:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
41	100		
76	27.9	22.8	34.2
39	81.7	66.0	99.0

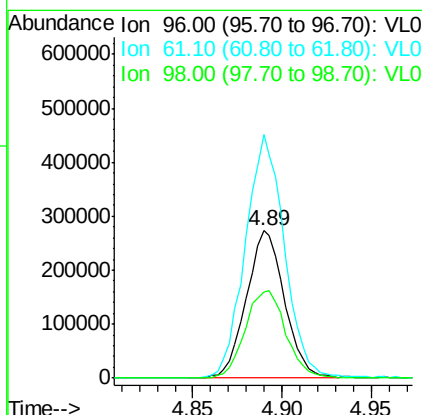
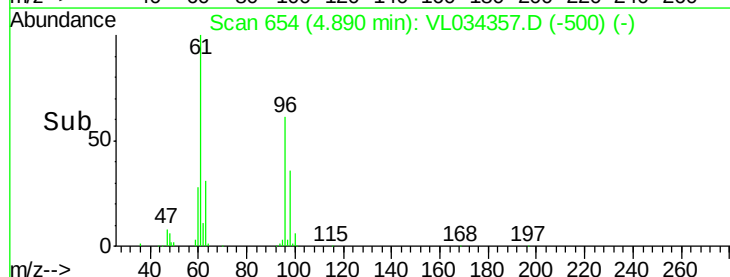
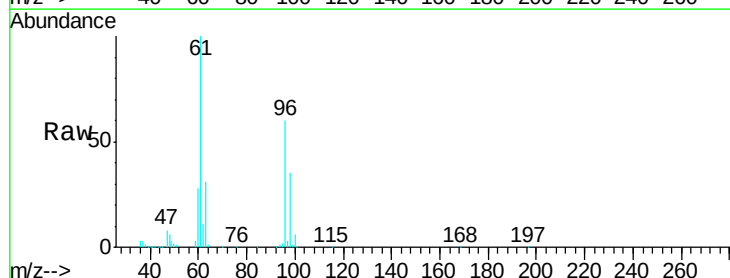
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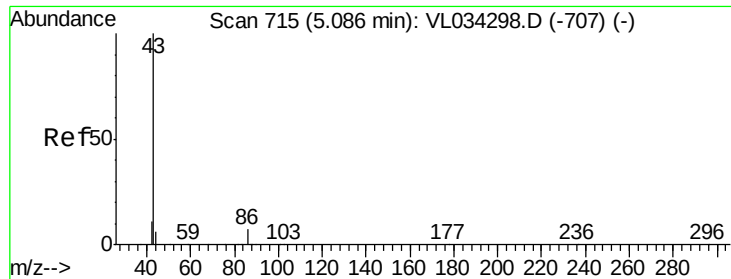
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#22
 trans-1,2-Dichloroethene
 Concen: 9.479 ppbv
 RT: 4.89 min Scan# 654
 Delta R.T. -0.01 min
 Lab File: VL034357.D
 Acq: 24 Oct 2019 23:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.6	133.8	200.6
98	58.5	49.4	74.0





#23

Vinyl Acetate

Concen: 9.213 ppbv

RT: 5.08 min Scan# 714

Delta R.T. -0.00 min

Lab File: VL034357.D

Acq: 24 Oct 2019 23:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1509522

Ion Ratio Lower Upper

43 100

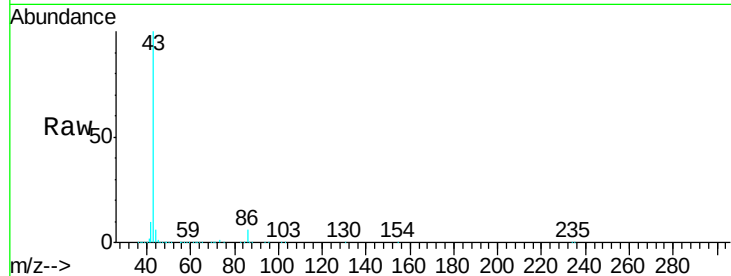
86 6.5 5.0 7.4

42 9.6 8.6 13.0

44 5.4 4.8 7.2

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MMDadoda
10/28/2019 9:44:01 AM

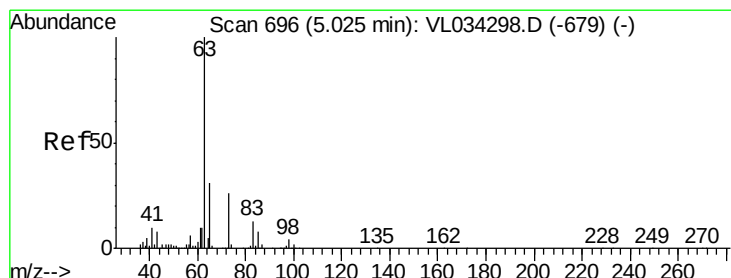
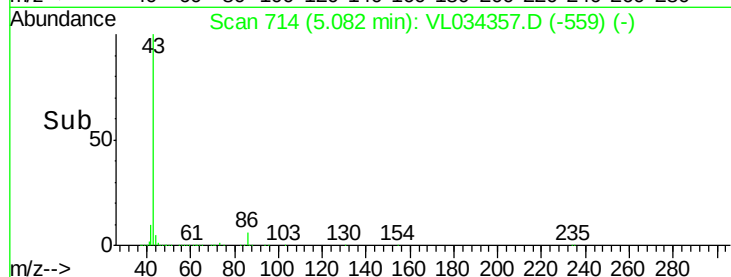
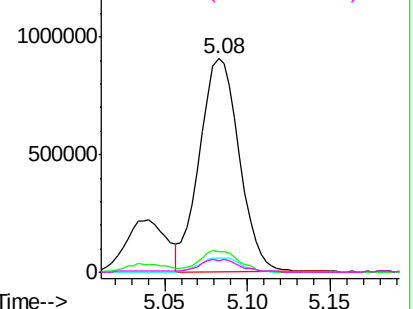


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.959 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.01 min

Lab File: VL034357.D

Acq: 24 Oct 2019 23:31

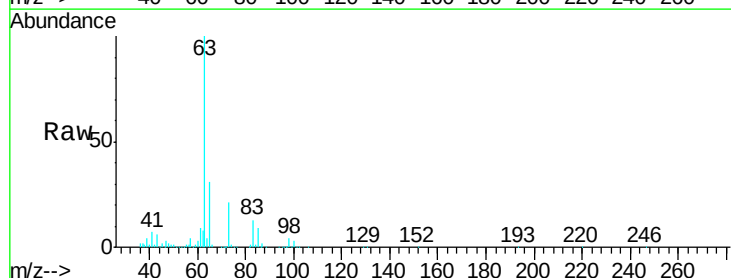
Tgt Ion: 63 Resp: 1089475

Ion Ratio Lower Upper

63 100

98 4.2 2.0 6.0

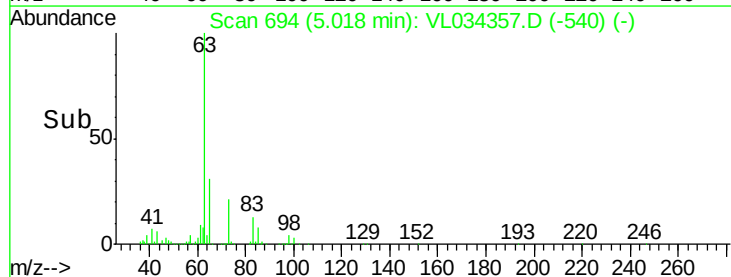
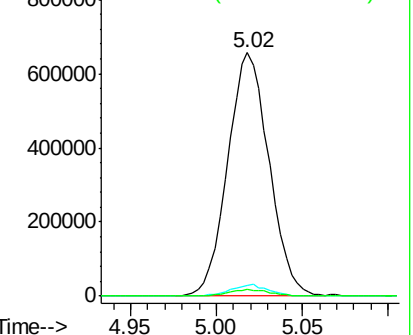
100 2.9 1.1 3.5

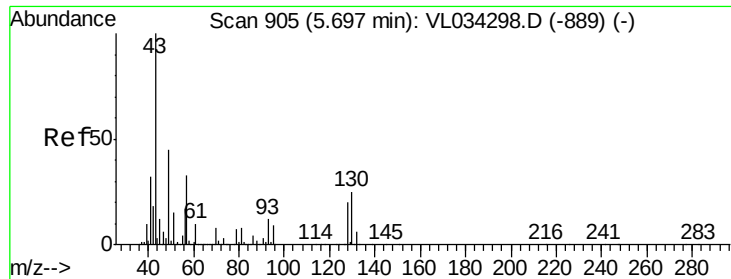


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





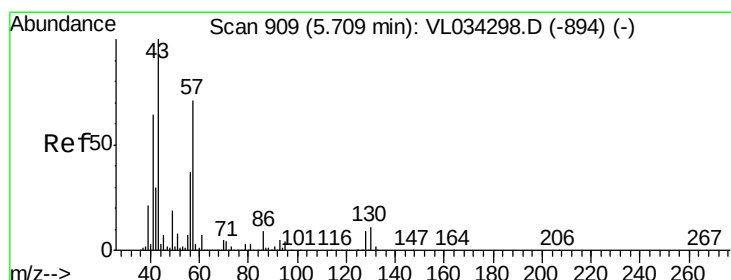
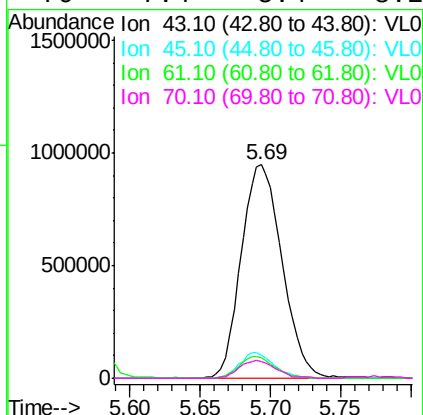
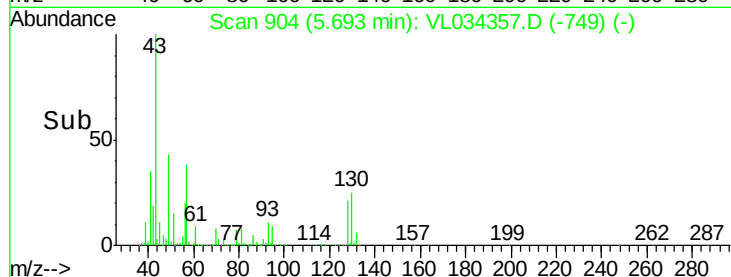
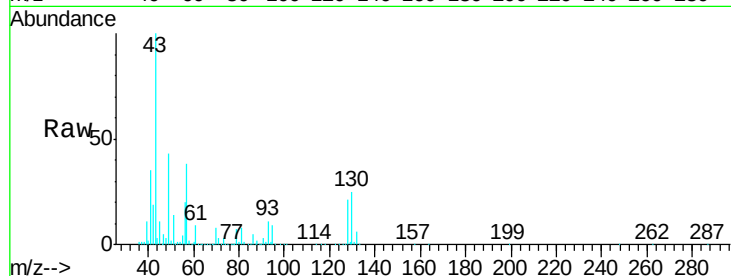
#25
Ethyl Acetate
Concen: 8.653 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL034357.D
Acq: 24 Oct 2019 23:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.3	12.5
61	9.2	7.7	11.5
70	7.4	5.4	8.2

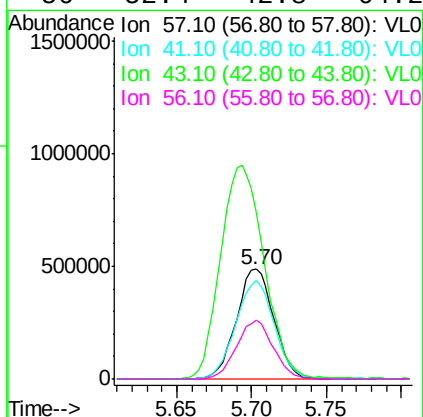
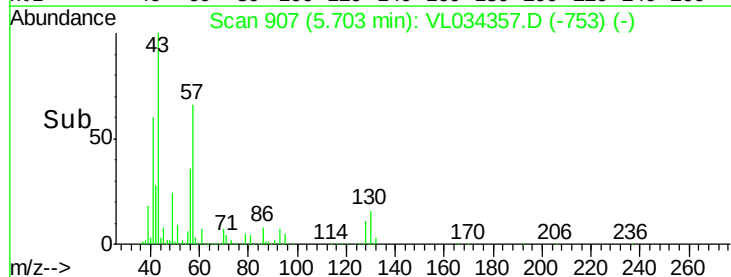
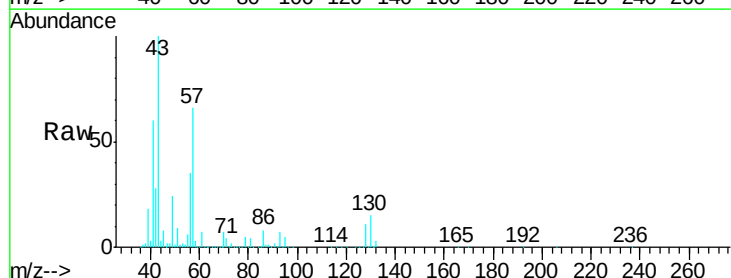
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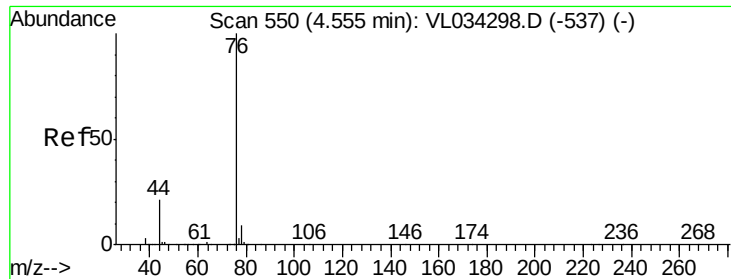
MMDadoda
10/28/2019 9:44:01 AM



#26
Hexane
Concen: 9.017 ppbv
RT: 5.70 min Scan# 907
Delta R.T. -0.01 min
Lab File: VL034357.D
Acq: 24 Oct 2019 23:31

Tgt Ion	Ratio	Lower	Upper
57	100		
41	92.9	76.5	114.7
43	226.1	188.5	282.7
56	52.4	42.8	64.2





#27

Carbon Disulfide

Concen: 9.809 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.01 min

Lab File: VL034357.D

Acq: 24 Oct 2019 23:31

Instrument :

MSVOA_L

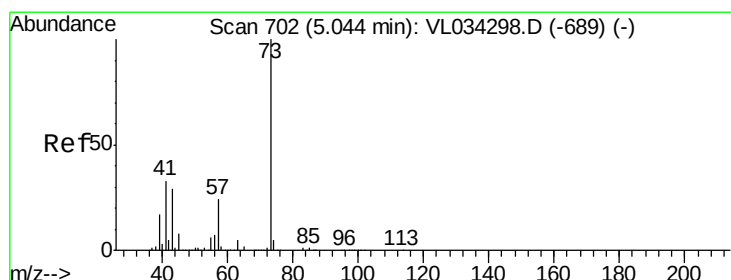
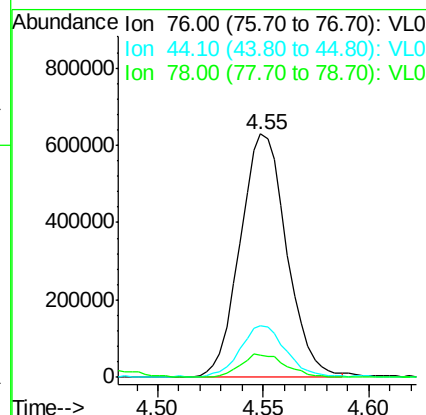
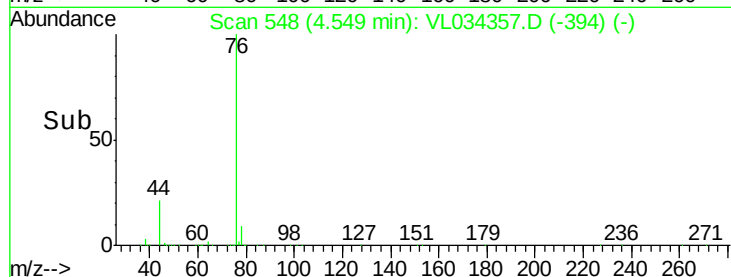
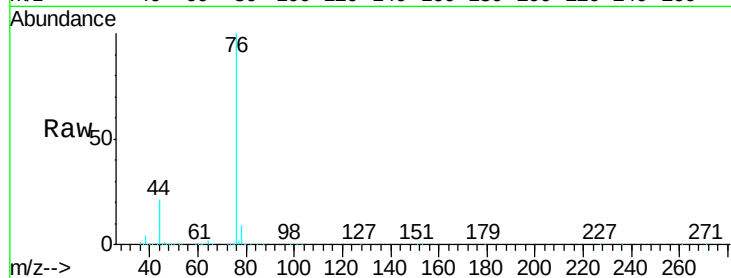
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	76	Resp:	961385
Ion	Ratio	Lower	Upper
76	100		
44	20.4	17.3	25.9
78	9.5	7.8	11.6

Manual Integrations
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10/28/2019 9:44:01 AM



#28

Methyl tert-Butyl Ether

Concen: 10.352 ppbv

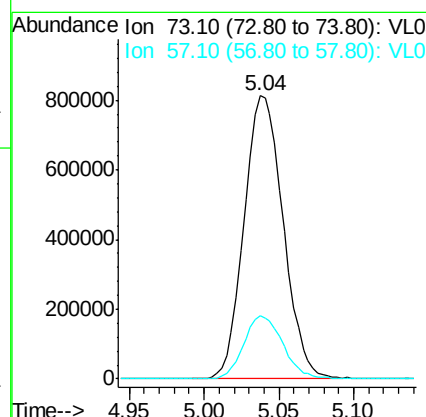
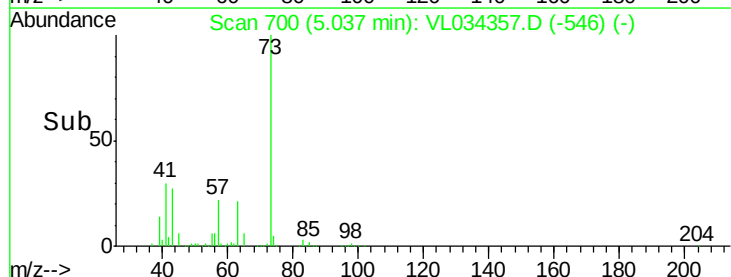
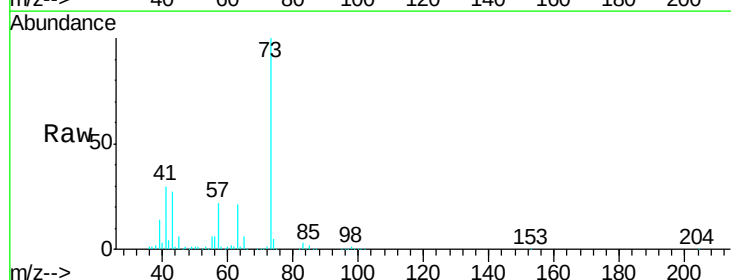
RT: 5.04 min Scan# 700

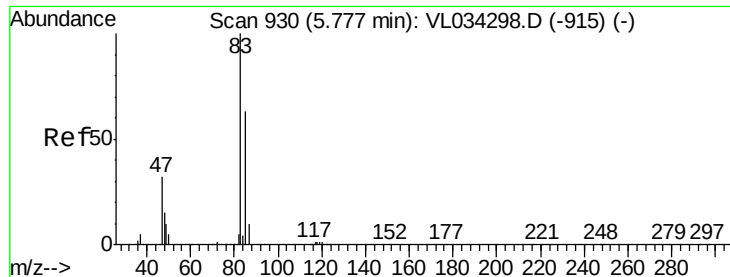
Delta R.T. -0.01 min

Lab File: VL034357.D

Acq: 24 Oct 2019 23:31

Tgt Ion:	73	Resp:	1479130
Ion	Ratio	Lower	Upper
73	100		
57	22.4	19.2	28.8





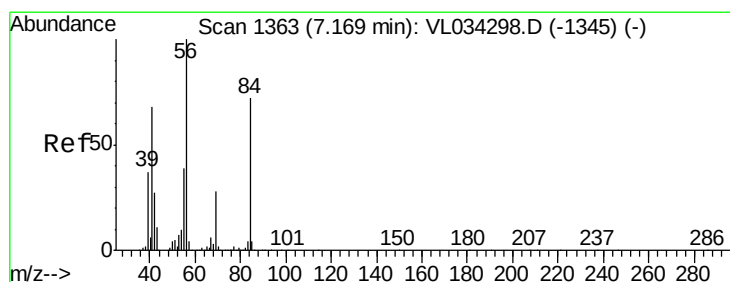
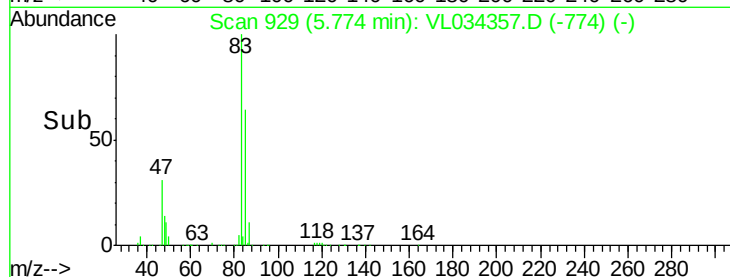
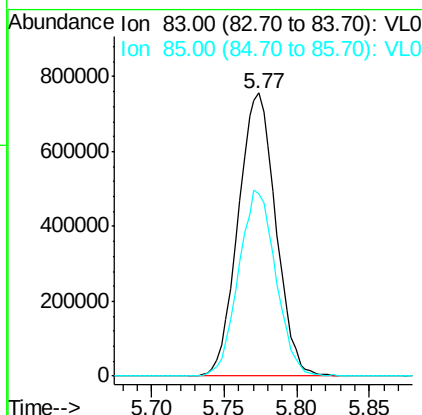
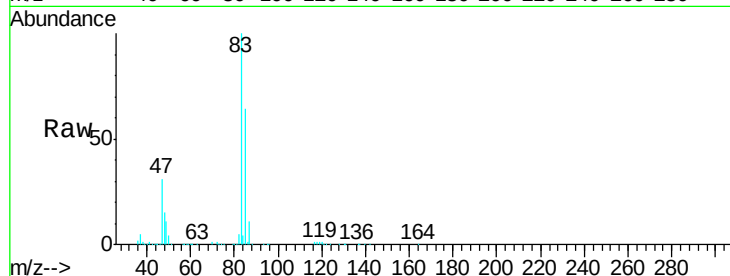
#29
Chloroform
Concen: 9.123 ppbv
RT: 5.77 min Scan# 929
Delta R.T. -0.00 min
Lab File: VL034357.D
Acq: 24 Oct 2019 23:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1362474
Ion Ratio Lower Upper
83 100
85 64.1 50.5 75.7

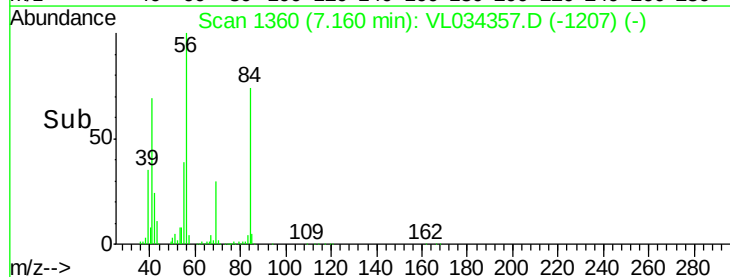
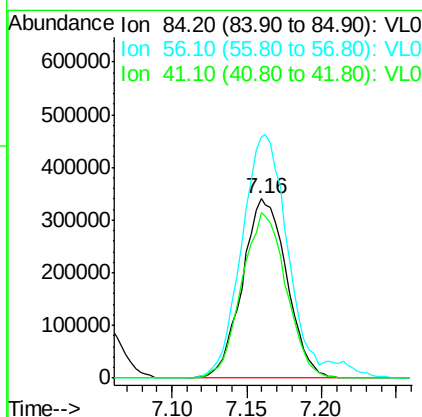
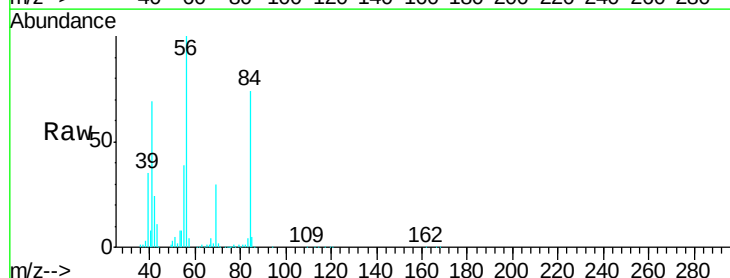
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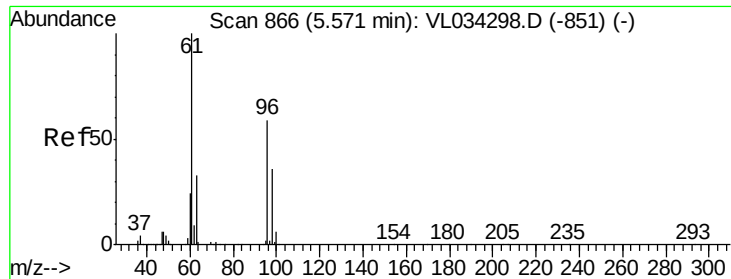
MMDadoda
10/28/2019 9:44:01 AM



#30
Cyclohexane
Concen: 10.124 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.01 min
Lab File: VL034357.D
Acq: 24 Oct 2019 23:31

Tgt Ion: 84 Resp: 702966
Ion Ratio Lower Upper
84 100
56 145.2 119.4 179.0
41 92.4 78.7 118.1





#31

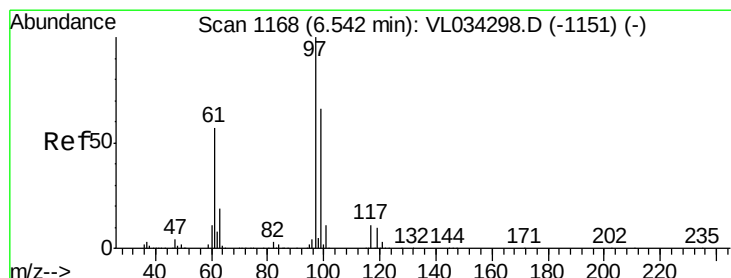
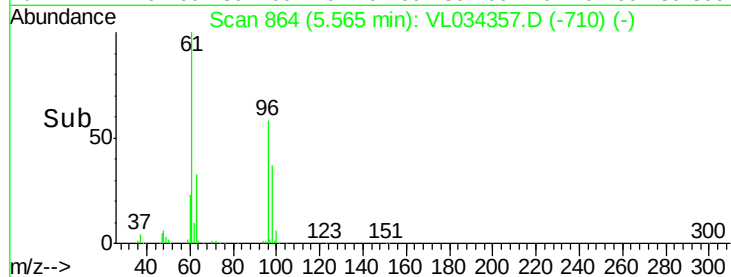
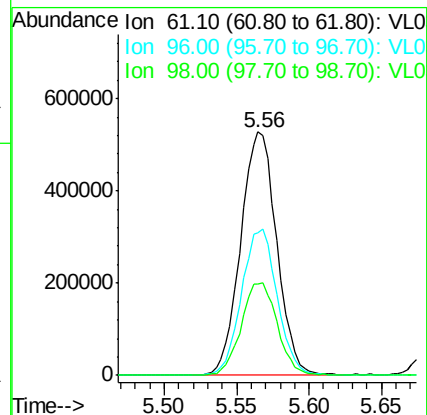
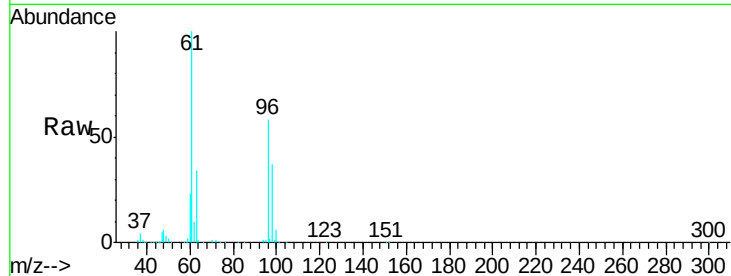
cis-1,2-Dichloroethene
 Concen: 9.539 ppbv
 RT: 5.56 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VL034357.D
 Acq: 24 Oct 2019 23:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
61	100		
96	58.4	47.5	71.3
98	37.4	28.8	43.2

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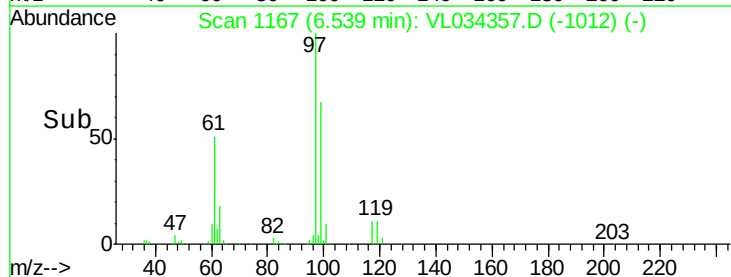
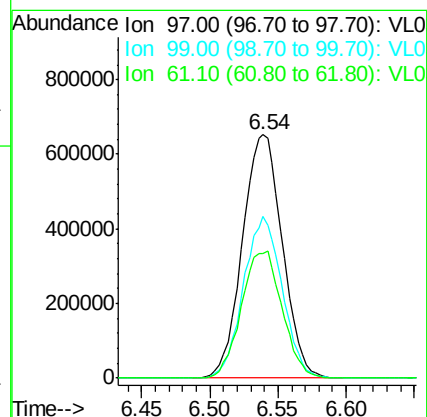
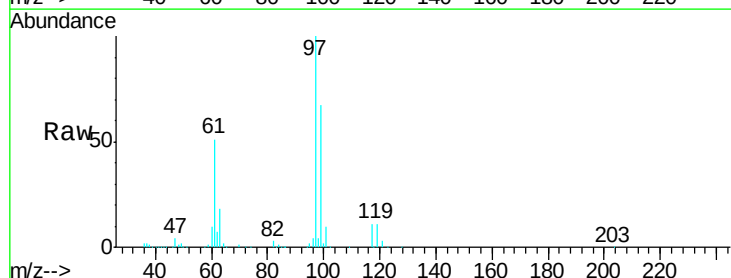
MMDadoda
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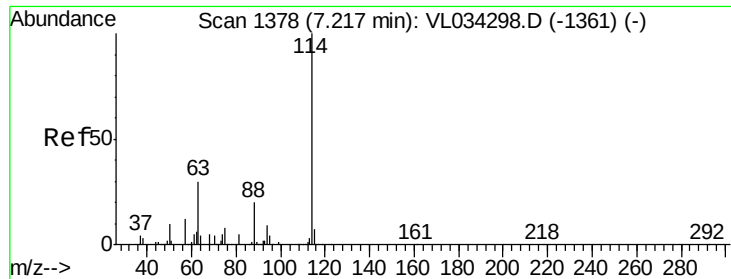


#32

1,1,1-Trichloroethane
 Concen: 9.119 ppbv
 RT: 6.54 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: VL034357.D
 Acq: 24 Oct 2019 23:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.6	78.8
61	53.2	44.5	66.7





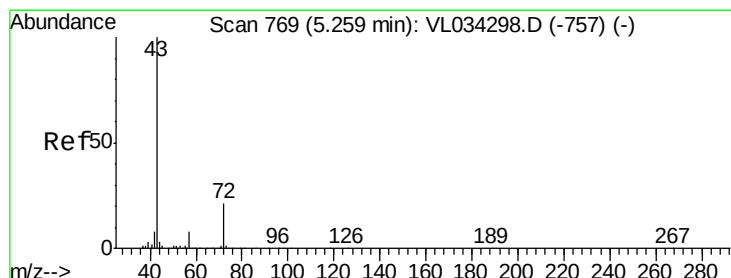
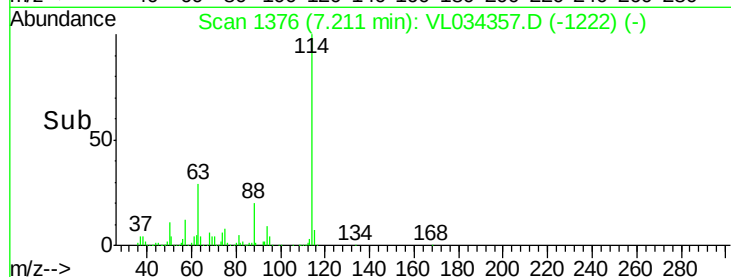
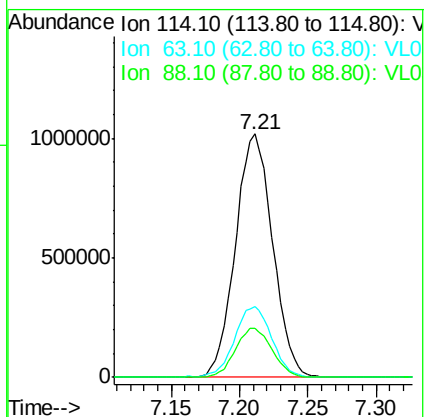
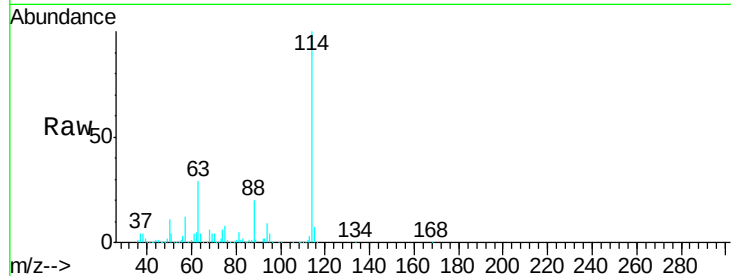
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VL034357.D
 Acq: 24 Oct 2019 23:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 114 Resp: 1927074
 Ion Ratio Lower Upper
 114 100
 63 29.4 25.2 37.8
 88 20.1 16.0 24.0

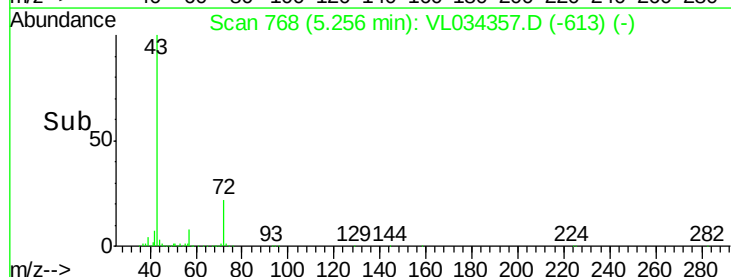
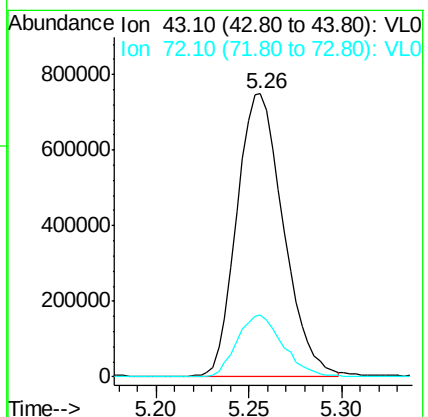
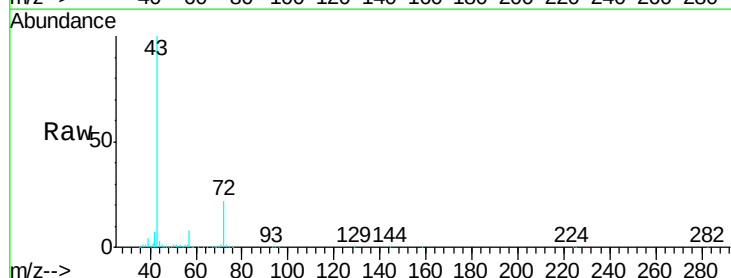
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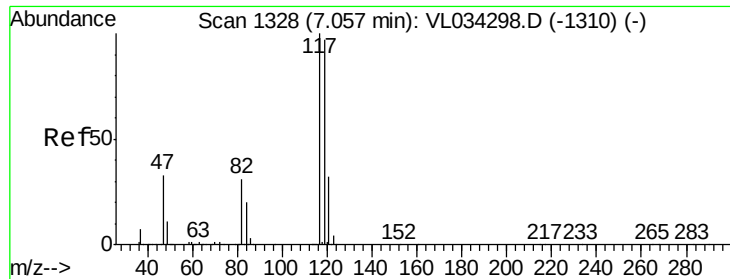
MMDadoda
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#34
 2-Butanone
 Concen: 8.301 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VL034357.D
 Acq: 24 Oct 2019 23:31

Tgt Ion: 43 Resp: 1307558
 Ion Ratio Lower Upper
 43 100
 72 21.7 16.3 24.5





#35

Carbon Tetrachloride

Concen: 7.689 ppbv

RT: 7.05 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VL034357.D

Acq: 24 Oct 2019 23:31

Instrument :

MSVOA_L

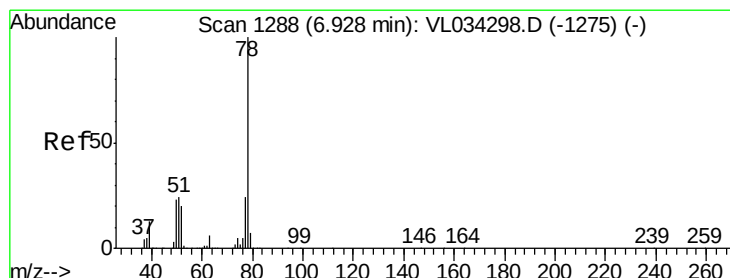
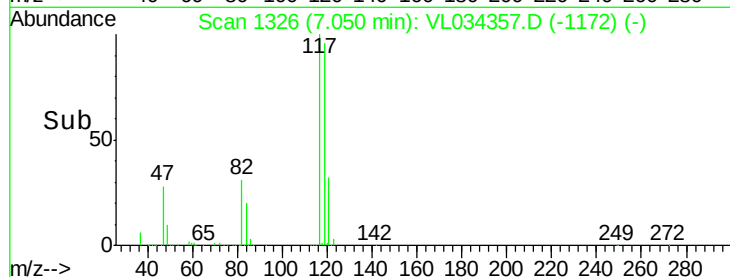
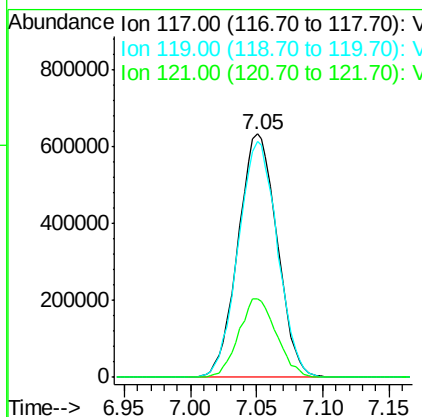
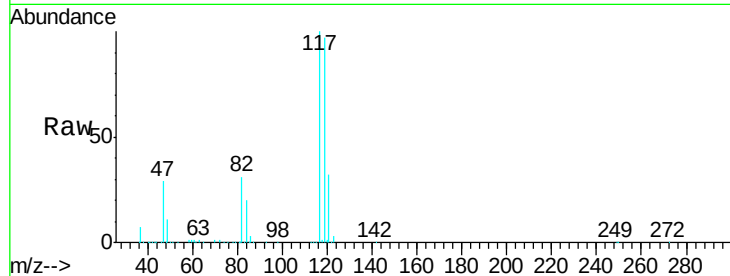
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	117	Resp:	1290611
Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.3	115.9
121	32.1	25.5	38.3

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#36

Benzene

Concen: 9.225 ppbv

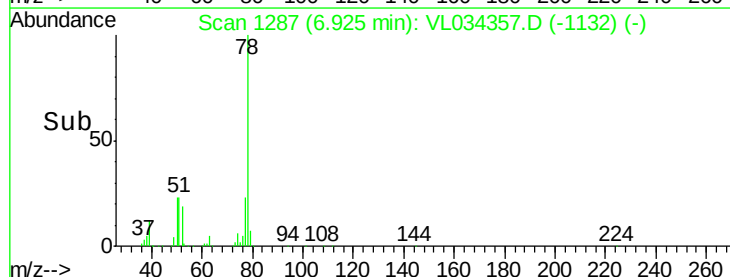
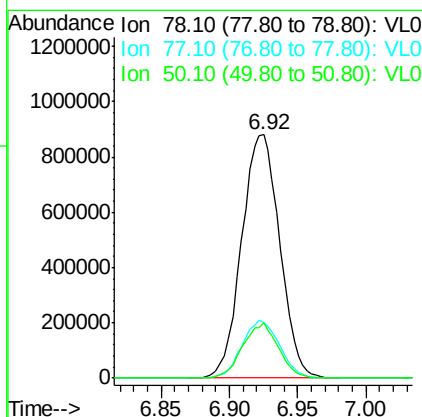
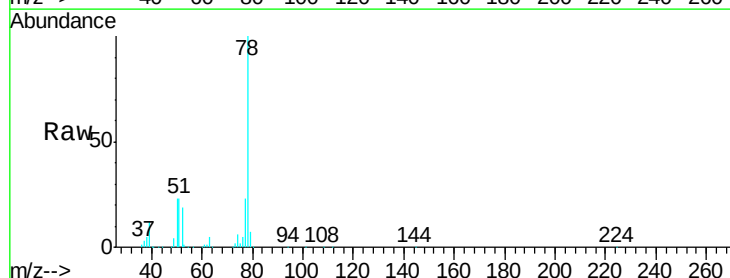
RT: 6.92 min Scan# 1287

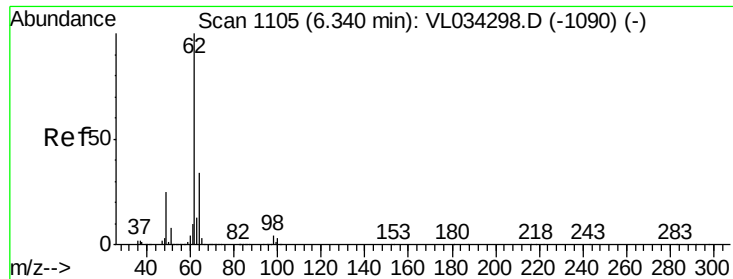
Delta R.T. -0.00 min

Lab File: VL034357.D

Acq: 24 Oct 2019 23:31

Tgt Ion:	78	Resp:	1705752
Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.0	28.4
50	22.7	18.6	27.8





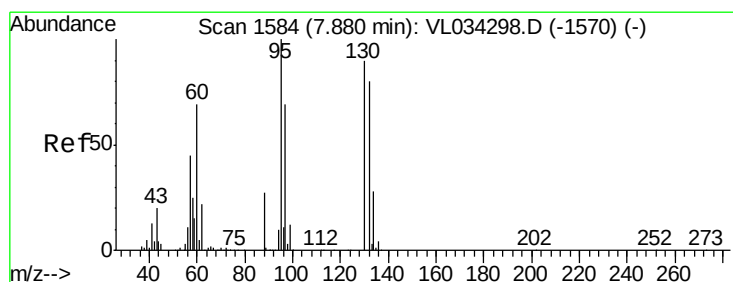
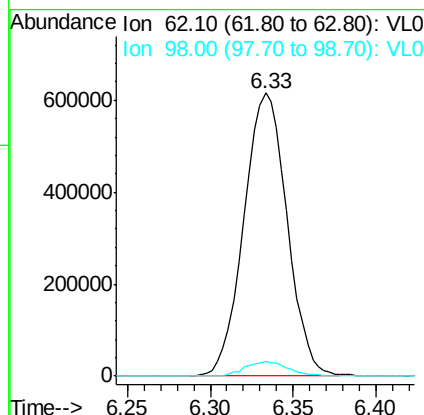
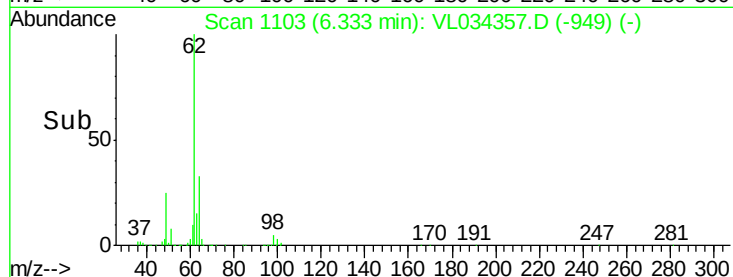
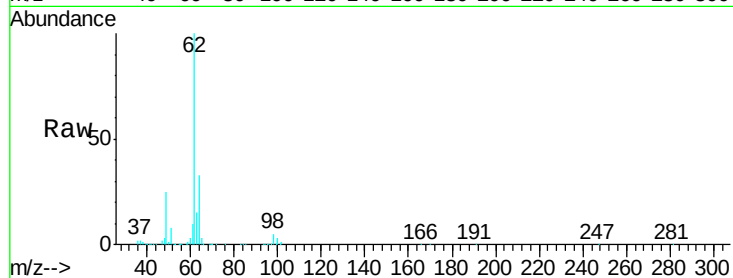
#37
 1,2-Dichloroethane
 Concen: 8.115 ppbv
 RT: 6.33 min Scan# 1103
 Delta R.T. -0.01 min
 Lab File: VL034357.D
 Acq: 24 Oct 2019 23:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 62 Resp: 1118210
 Ion Ratio Lower Upper
 62 100
 98 5.2 3.8 5.6

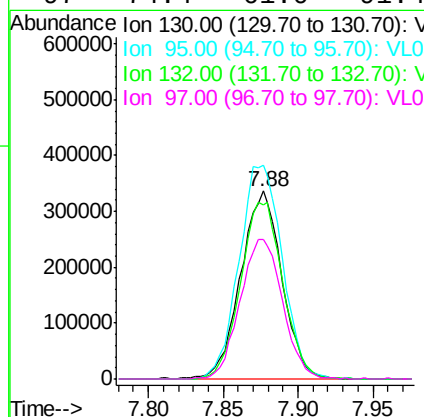
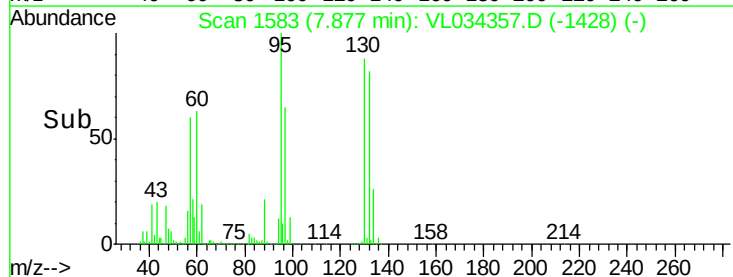
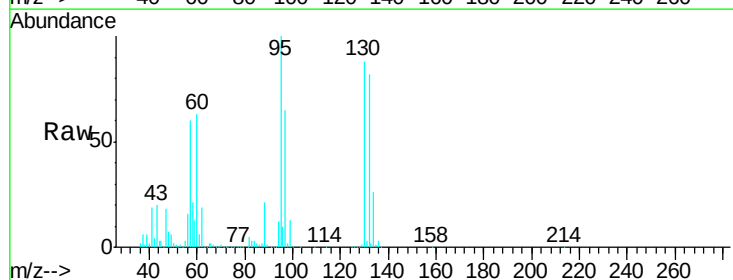
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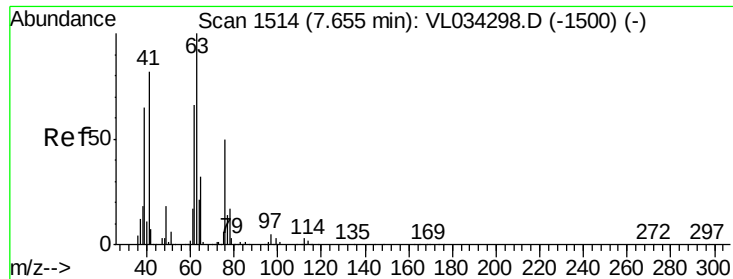
MMDadoda
 10/28/2019 9:44:01 AM



#38
 Trichloroethene
 Concen: 8.617 ppbv
 RT: 7.88 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VL034357.D
 Acq: 24 Oct 2019 23:31

Tgt Ion: 130 Resp: 639344
 Ion Ratio Lower Upper
 130 100
 95 113.9 88.6 132.8
 132 93.1 71.2 106.8
 97 74.4 61.0 91.4





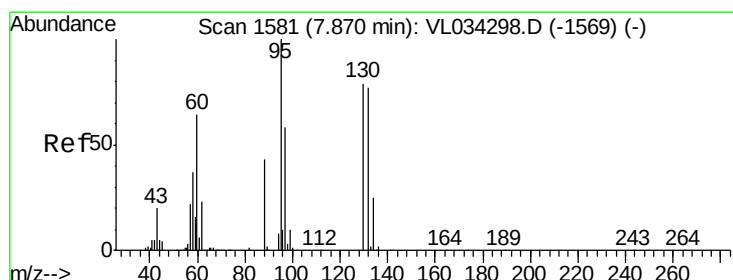
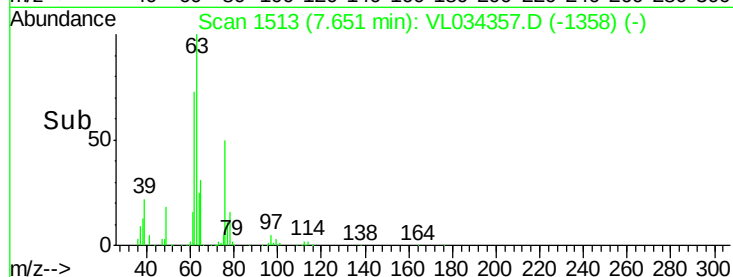
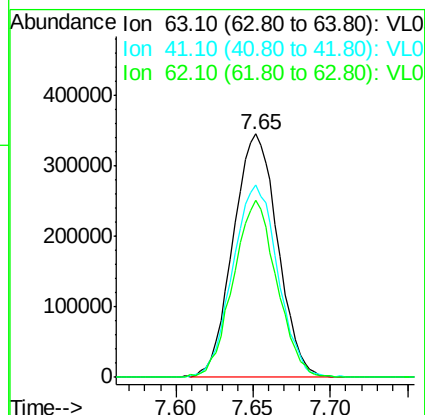
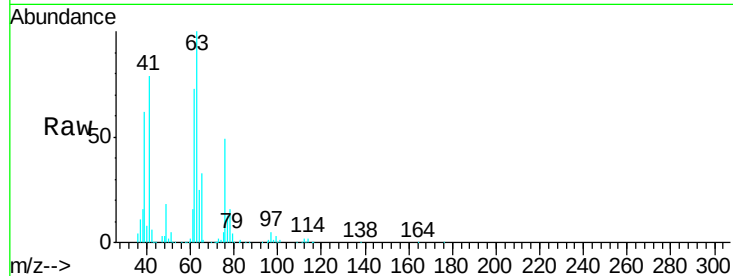
#39
 1,2-Dichloropropane
 Concen: 8.648 ppbv
 RT: 7.65 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VL034357.D
 Acq: 24 Oct 2019 23:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
63	100		
41	78.5	65.6	98.4
62	72.6	53.0	79.6

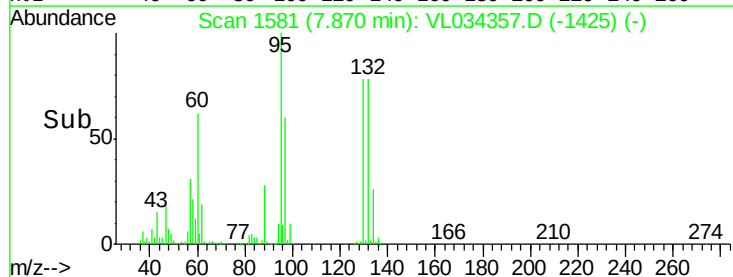
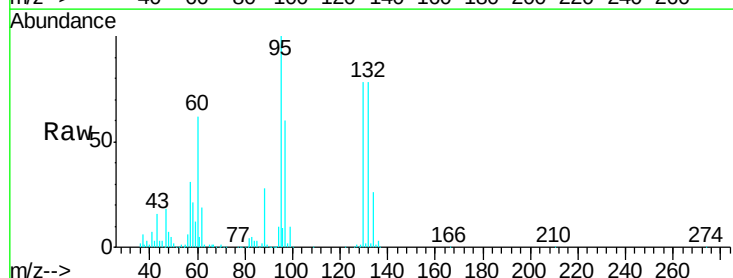
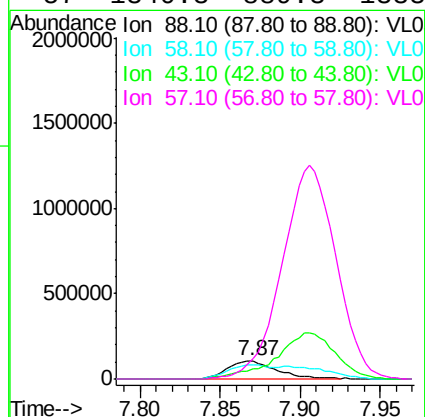
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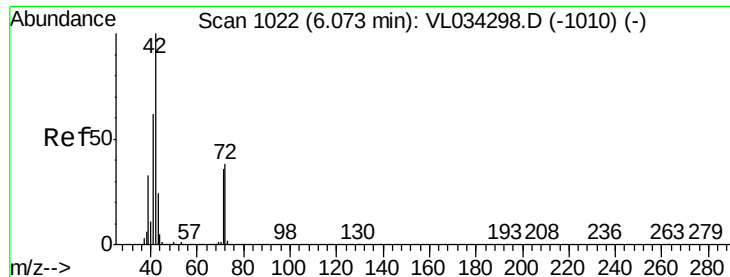
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#40
 1,4-Dioxane
 Concen: 7.849 ppbv
 RT: 7.87 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VL034357.D
 Acq: 24 Oct 2019 23:31

Tgt Ion	Ratio	Lower	Upper
88	100		
58	143.5	110.3	165.5
43	317.5	228.1	342.1
57	1340.3	889.3	1333.9#





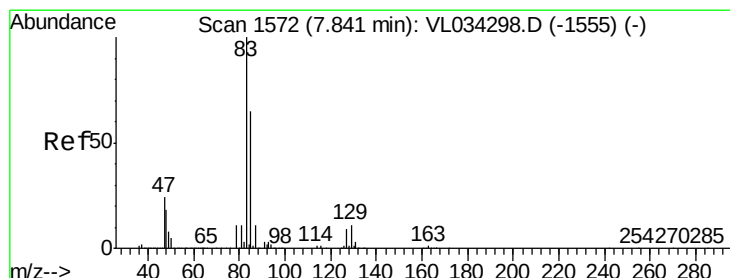
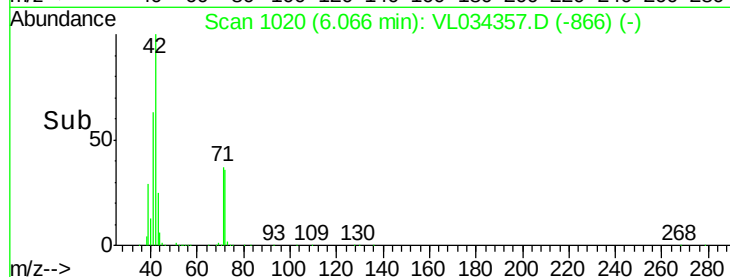
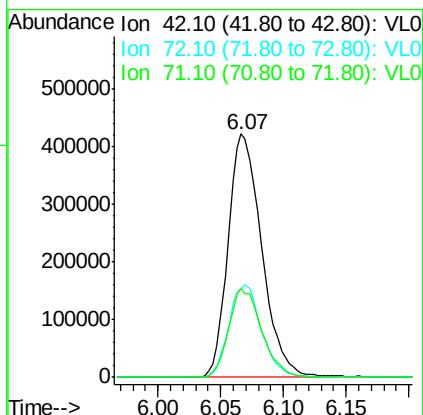
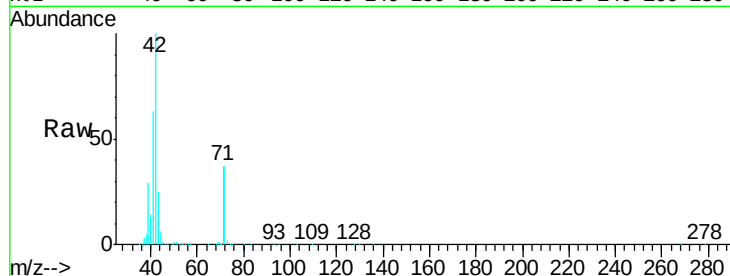
#41
Tetrahydrofuran
Concen: 9.001 ppbv
RT: 6.07 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VL034357.D
Acq: 24 Oct 2019 23:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	37.1	28.0	42.0
71	36.1	27.3	40.9

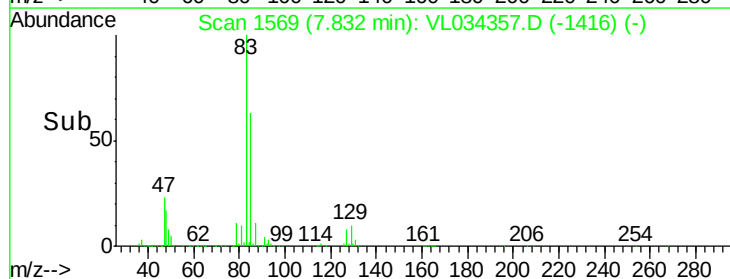
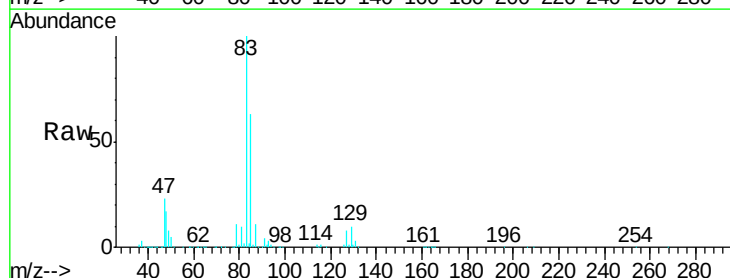
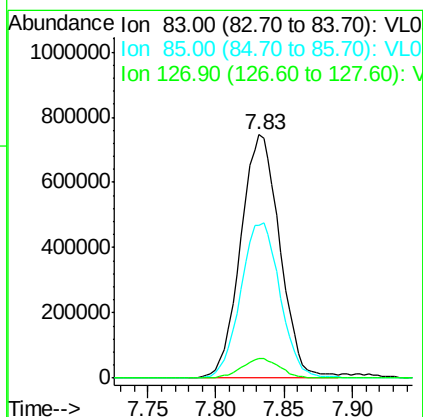
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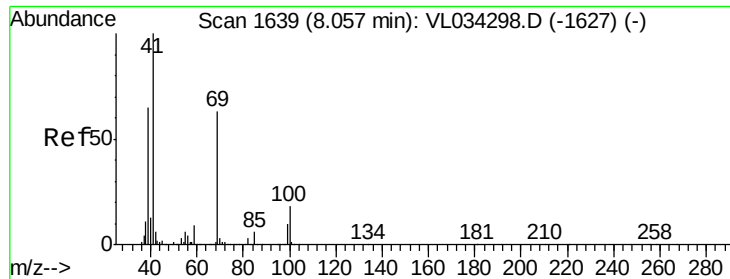
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10/28/2019 9:44:01 AM



#42
Bromodichloromethane
Concen: 8.833 ppbv
RT: 7.83 min Scan# 1569
Delta R.T. -0.01 min
Lab File: VL034357.D
Acq: 24 Oct 2019 23:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.8	77.6
127	8.2	7.0	10.6





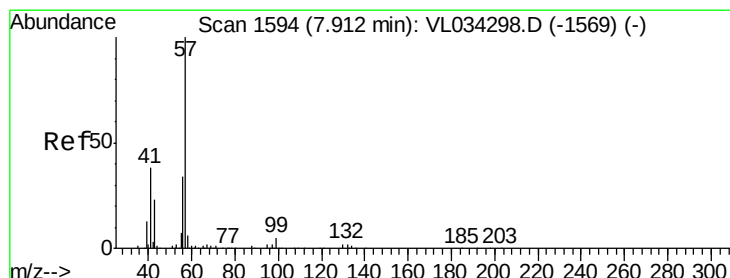
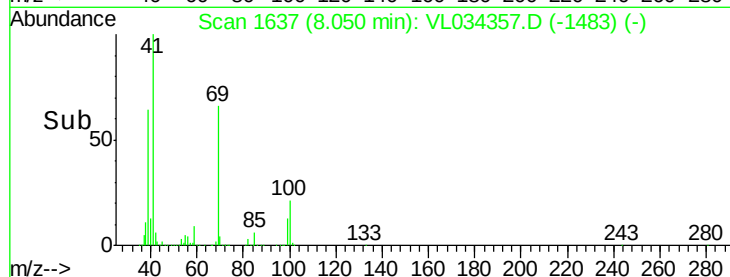
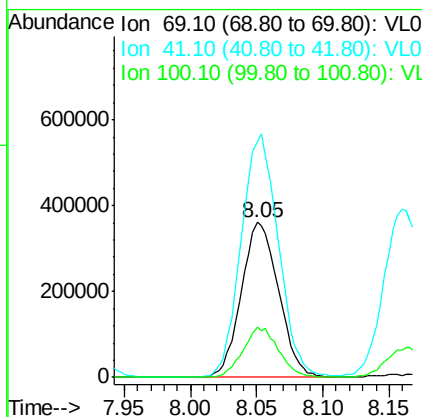
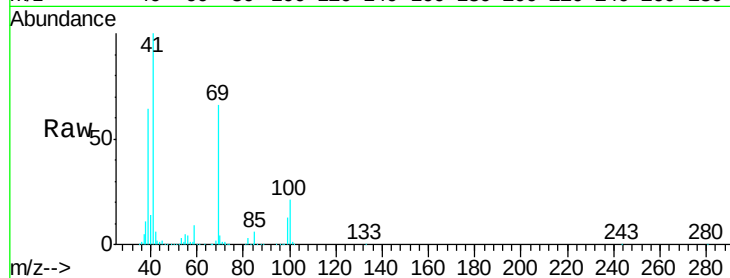
#43
Methyl Methacrylate
Concen: 9.247 ppbv
RT: 8.05 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VL034357.D
Acq: 24 Oct 2019 23:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
69	100		
41	156.7	132.1	198.1
100	31.0	23.2	34.8

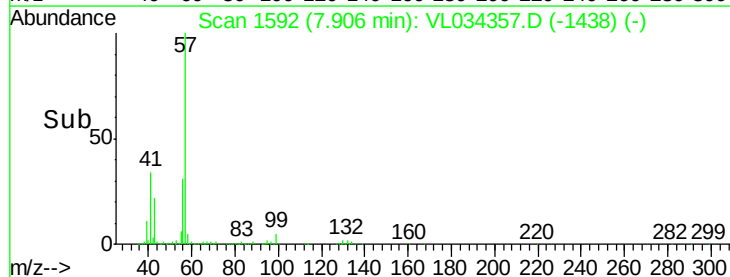
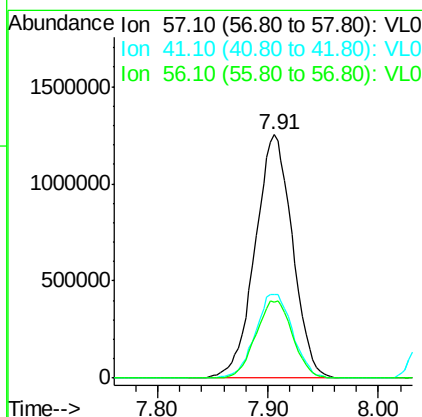
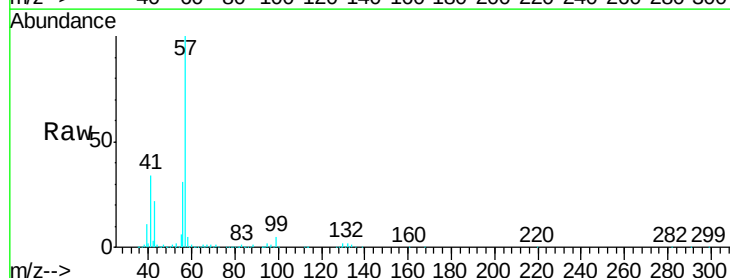
Manual Integrations
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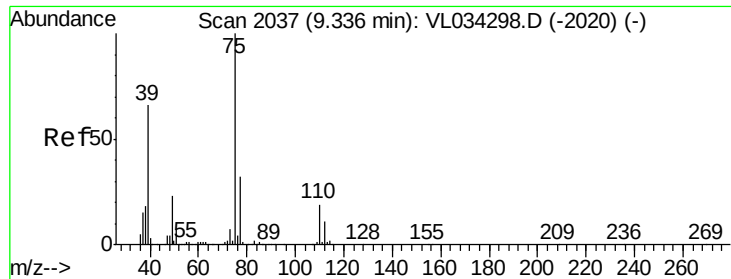
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10/28/2019 9:44:01 AM



#44
2,2,4-Trimethylpentane
Concen: 8.588 ppbv
RT: 7.91 min Scan# 1592
Delta R.T. -0.01 min
Lab File: VL034357.D
Acq: 24 Oct 2019 23:31

Tgt Ion	Ratio	Lower	Upper
57	100		
41	34.5	29.3	43.9
56	31.3	25.3	37.9





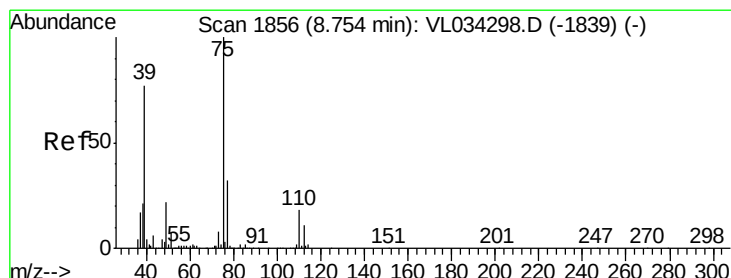
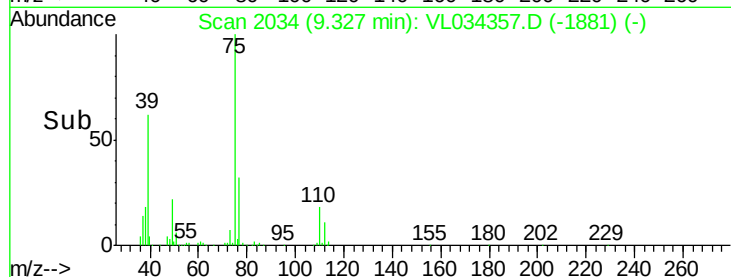
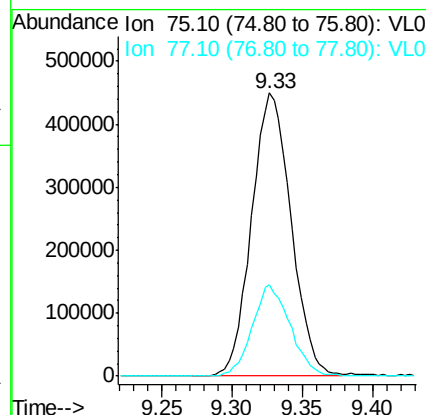
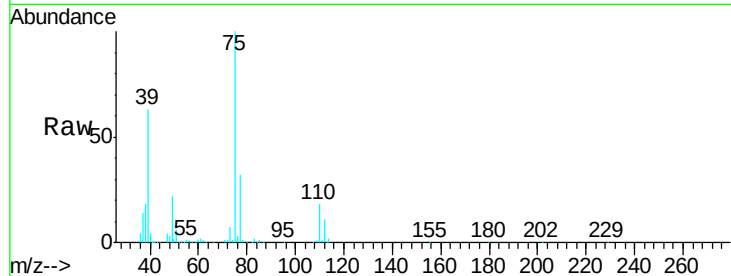
#45
 t-1,3-Dichloropropene
 Concen: 9.456 ppbv
 RT: 9.33 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: VL034357.D
 Acq: 24 Oct 2019 23:31

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Tgt Ion: 75 Resp: 881017
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.6 38.4

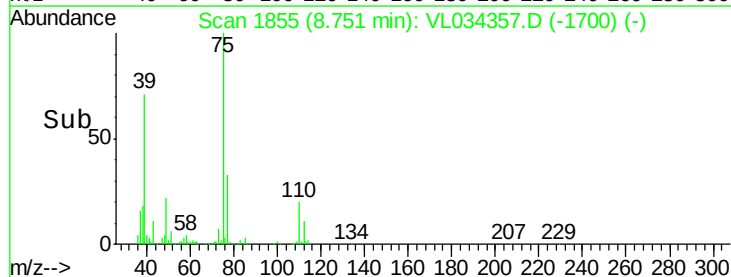
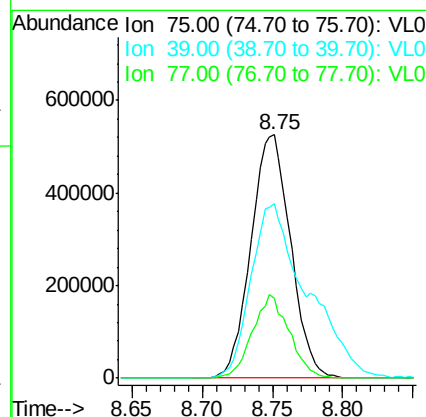
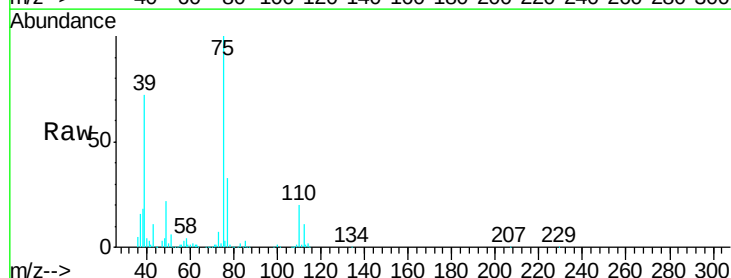
Manual Integrations
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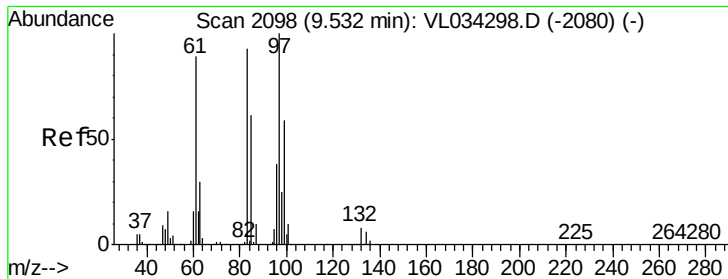
MMDadoda
 10/28/2019 9:44:01 AM



#46
 cis-1,3-Dichloropropene
 Concen: 9.685 ppbv
 RT: 8.75 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VL034357.D
 Acq: 24 Oct 2019 23:31

Tgt Ion: 75 Resp: 1036721
 Ion Ratio Lower Upper
 75 100
 39 71.5 61.2 91.8
 77 32.8 25.9 38.9





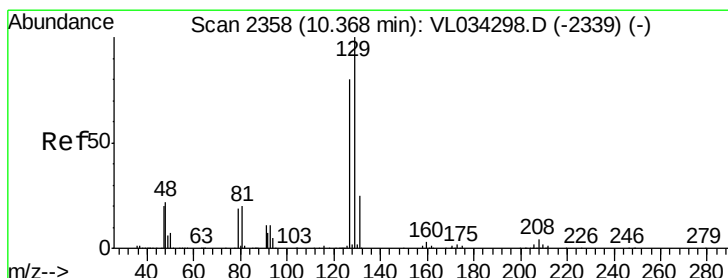
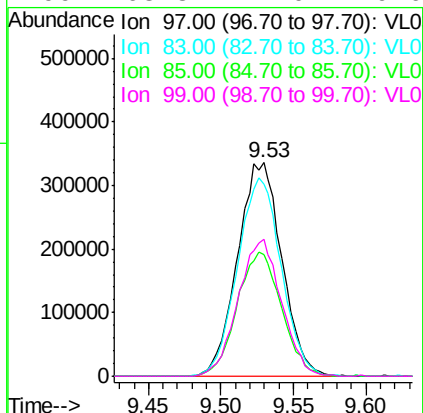
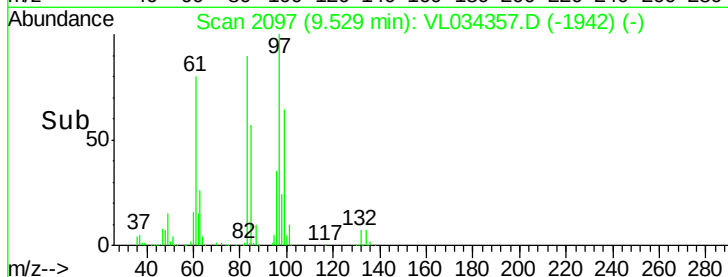
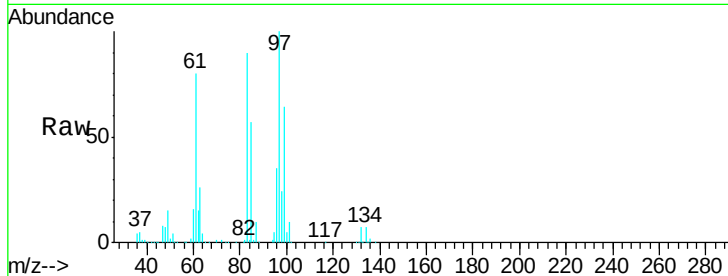
#47
 1,1,2-Trichloroethane
 Concen: 8.846 ppbv
 RT: 9.53 min Scan# 2097
 Delta R.T. -0.00 min
 Lab File: VL034357.D
 Acq: 24 Oct 2019 23:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.9	74.2	111.2
85	57.2	48.6	73.0
99	63.8	47.0	70.6

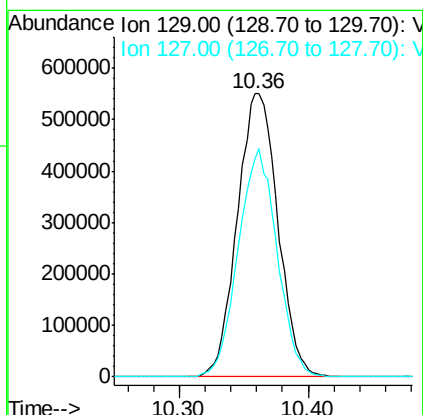
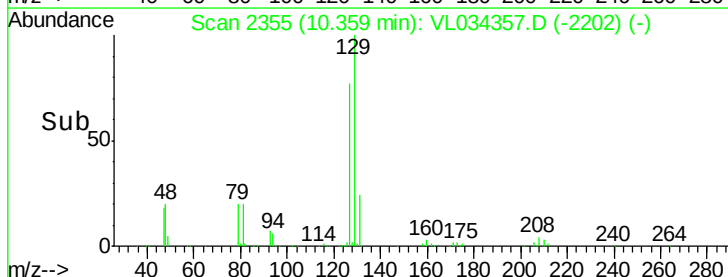
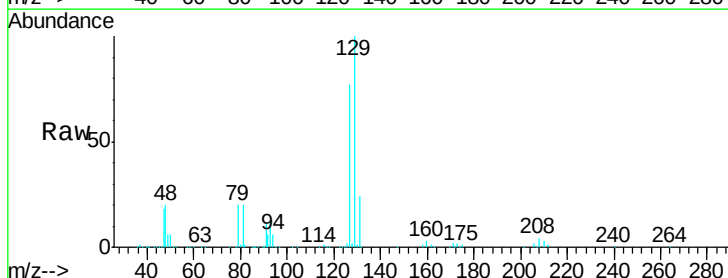
Manual Integrations
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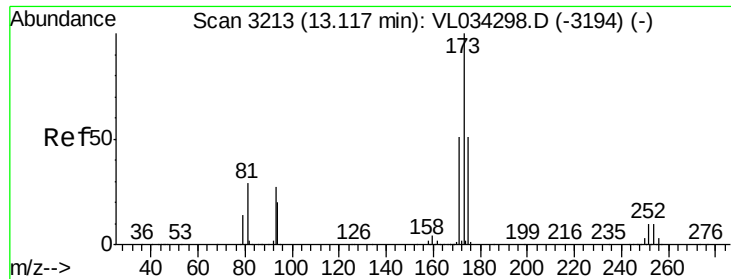
MMDadoda
 10/28/2019 9:44:01 AM



#48
 Dibromochloromethane
 Concen: 9.120 ppbv
 RT: 10.36 min Scan# 2355
 Delta R.T. -0.01 min
 Lab File: VL034357.D
 Acq: 24 Oct 2019 23:31

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.7	119.1





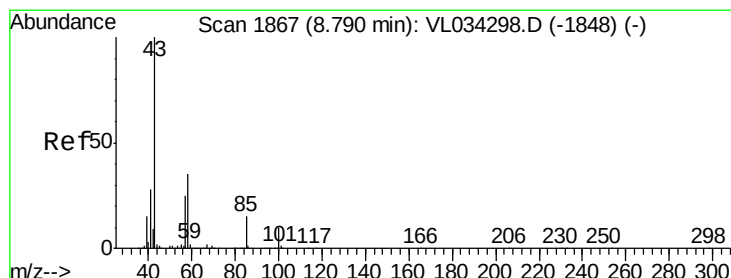
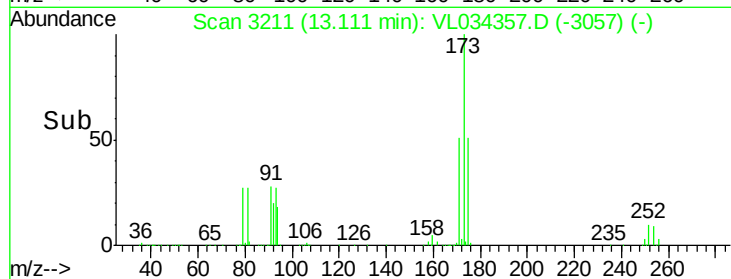
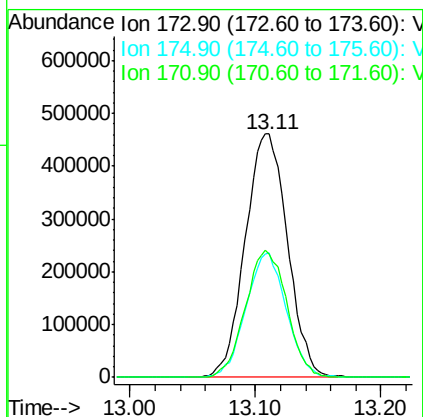
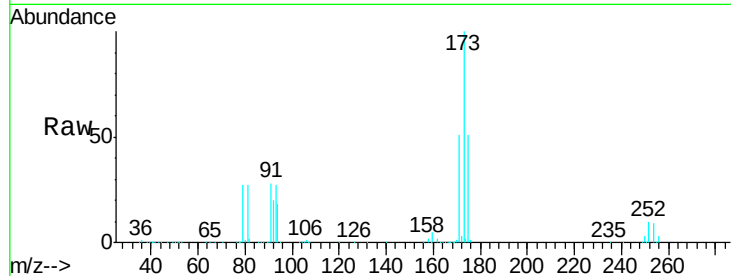
#49
Bromoform
Concen: 9.206 ppbv
RT: 13.11 min Scan# 3211
Delta R.T. -0.01 min
Lab File: VL034357.D
Acq: 24 Oct 2019 23:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 173 Resp: 1079141
Ion Ratio Lower Upper
173 100
175 49.0 39.8 59.6
171 51.5 41.8 62.6

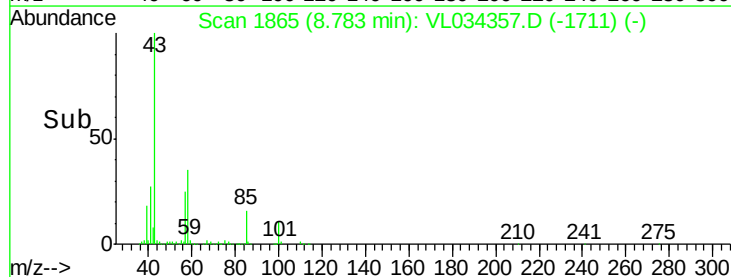
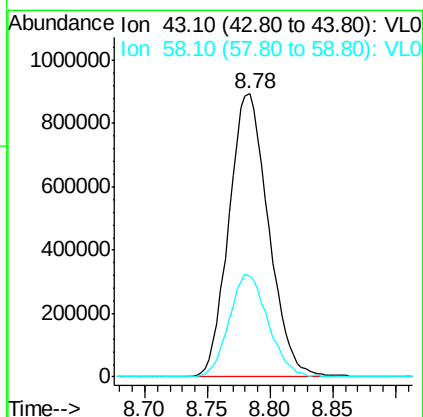
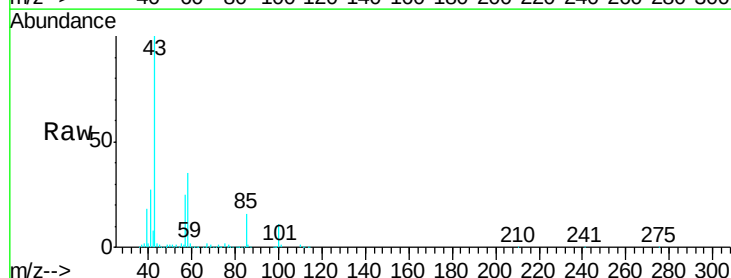
Manual Integrations
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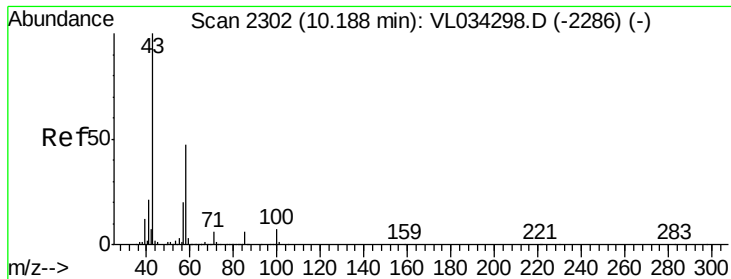
MMDadoda
10/28/2019 9:44:01 AM



#50
4-Methyl-2-Pentanone
Concen: 8.677 ppbv
RT: 8.78 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VL034357.D
Acq: 24 Oct 2019 23:31

Tgt Ion: 43 Resp: 1956685
Ion Ratio Lower Upper
43 100
58 35.9 27.6 41.4





#51

2-Hexanone

Concen: 9.025 ppbv

RT: 10.18 min Scan# 2300

Delta R.T. -0.01 min

Lab File: VL034357.D

Acq: 24 Oct 2019 23:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1668187

Ion Ratio Lower Upper

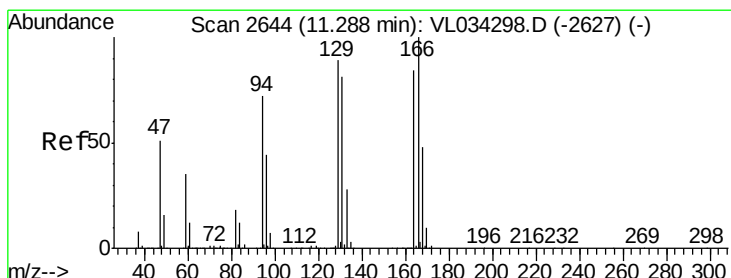
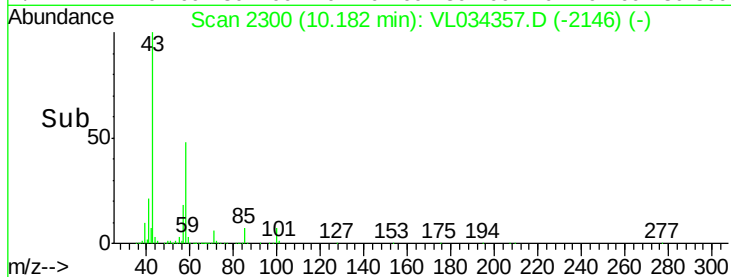
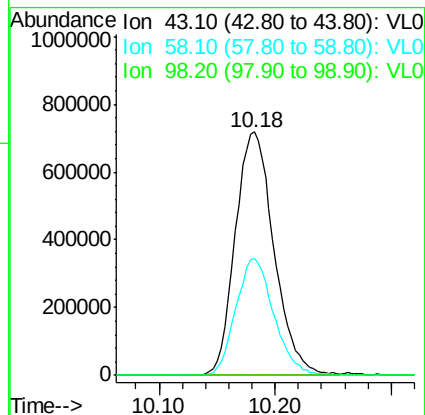
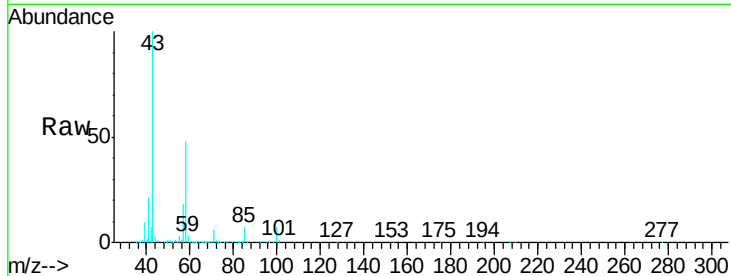
43 100

58 47.5 37.0 55.6

98 0.1 0.2 0.2#

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10/28/2019 9:44:01 AM



#52

Tetrachloroethene

Concen: 8.942 ppbv

RT: 11.28 min Scan# 2642

Delta R.T. -0.01 min

Lab File: VL034357.D

Acq: 24 Oct 2019 23:31

Tgt Ion: 164 Resp: 648060

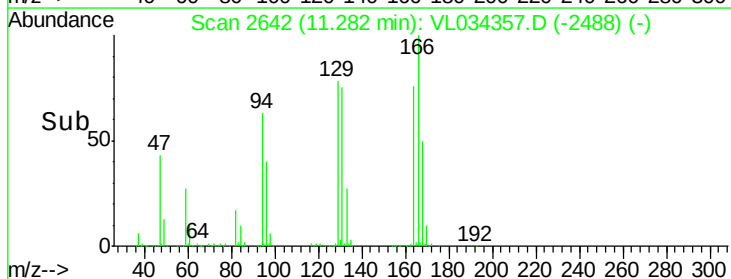
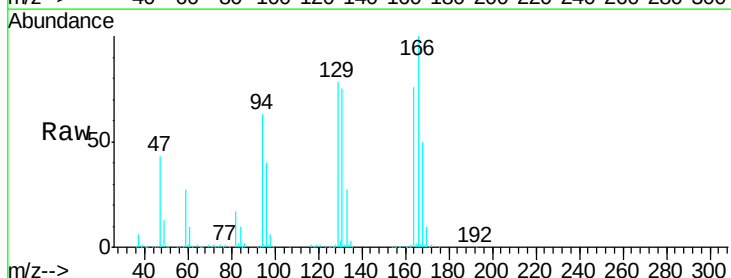
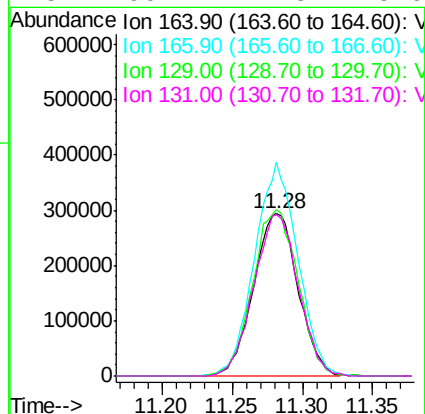
Ion Ratio Lower Upper

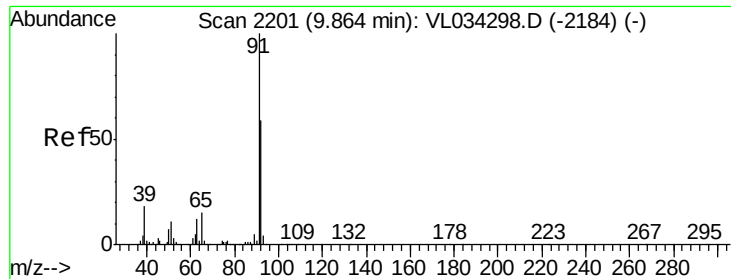
164 100

166 131.8 95.3 142.9

129 102.4 84.5 126.7

131 99.4 77.3 115.9





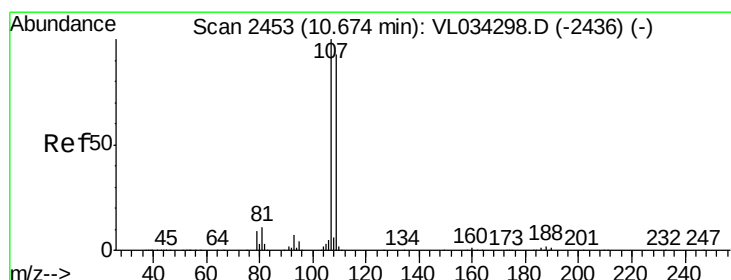
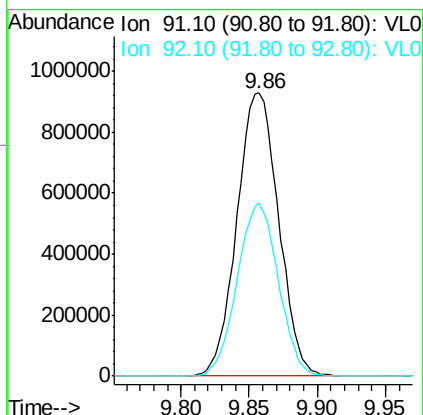
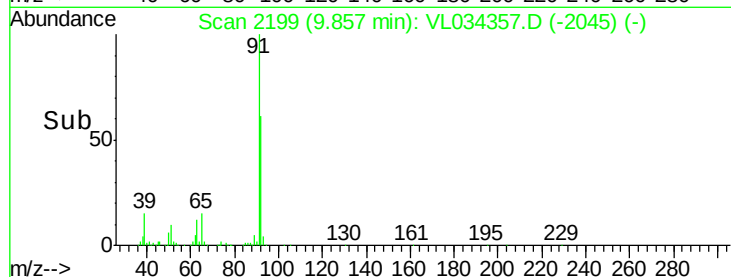
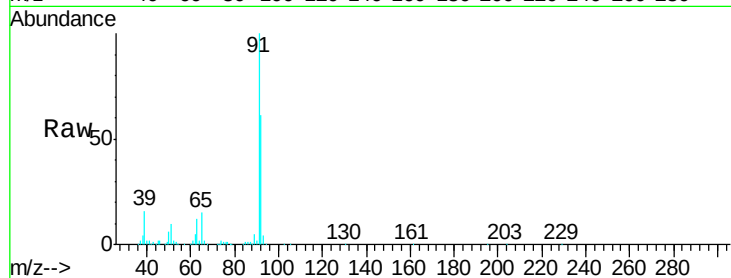
#53
Toluene
Concen: 9.660 ppbv
RT: 9.86 min Scan# 2199
Delta R.T. -0.01 min
Lab File: VL034357.D
Acq: 24 Oct 2019 23:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 1971086
Ion Ratio Lower Upper
91 100
92 60.3 48.4 72.6

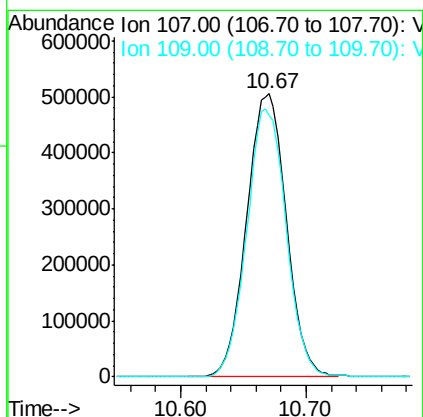
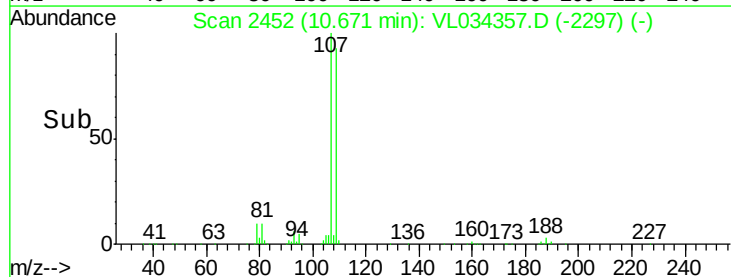
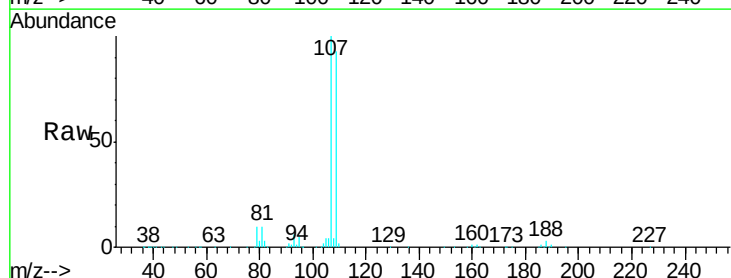
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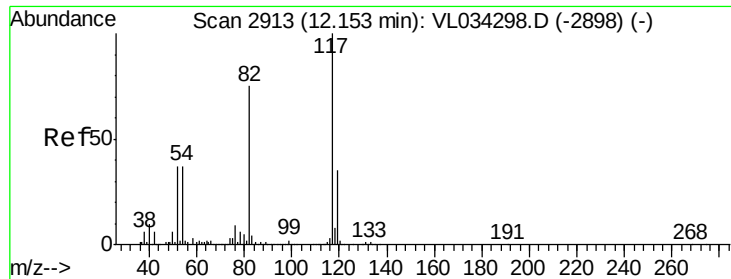
MMDadoda
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#54
1,2-Dibromoethane
Concen: 9.308 ppbv
RT: 10.67 min Scan# 2452
Delta R.T. -0.00 min
Lab File: VL034357.D
Acq: 24 Oct 2019 23:31

Tgt Ion: 107 Resp: 1112572
Ion Ratio Lower Upper
107 100
109 92.5 74.6 112.0





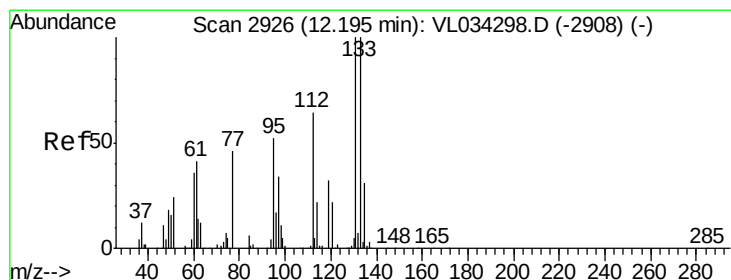
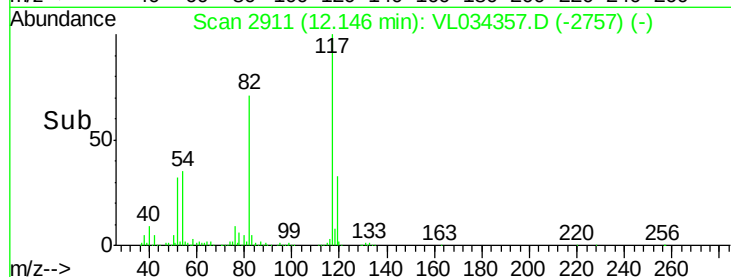
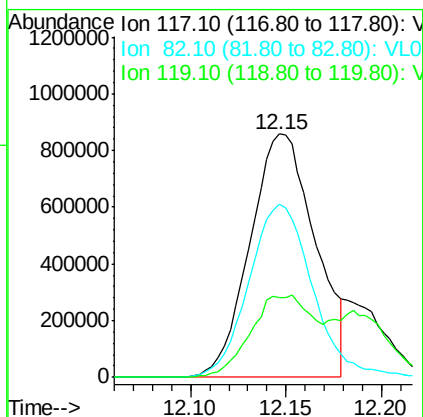
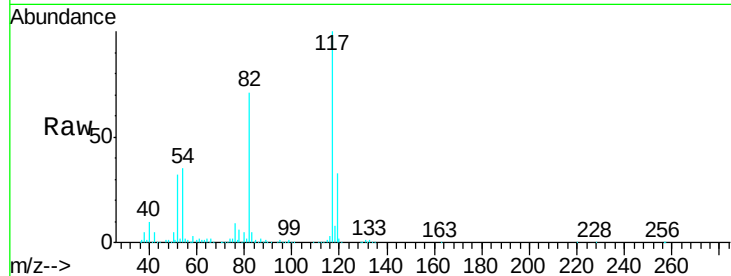
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL034357.D
Acq: 24 Oct 2019 23:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
117	100		
82	69.8	55.5	83.3
119	55.9	26.5	39.7#

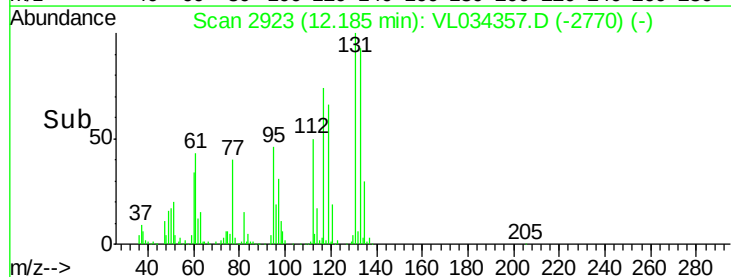
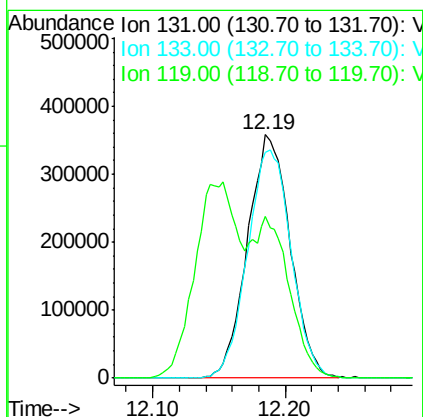
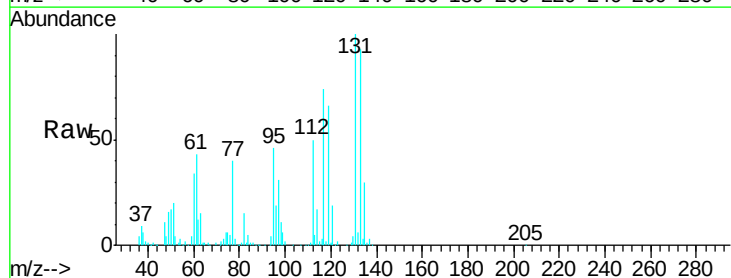
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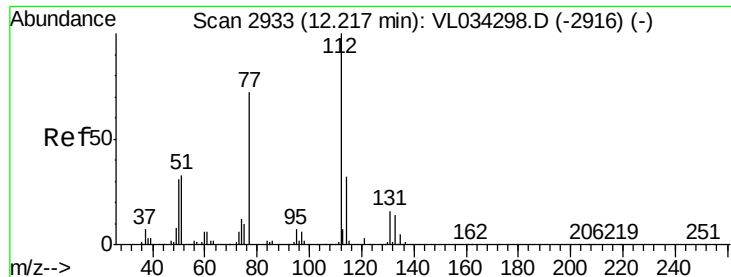
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.521 ppbv
RT: 12.19 min Scan# 2923
Delta R.T. -0.01 min
Lab File: VL034357.D
Acq: 24 Oct 2019 23:31

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.6	77.1	115.7
119	142.2	49.0	73.4#





#57

Chlorobenzene

Concen: 8.548 ppbv

RT: 12.21 min Scan# 2931

Delta R.T. -0.01 min

Lab File: VL034357.D

Acq: 24 Oct 2019 23:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 112 Resp: 1453852

Ion Ratio Lower Upper

112 100

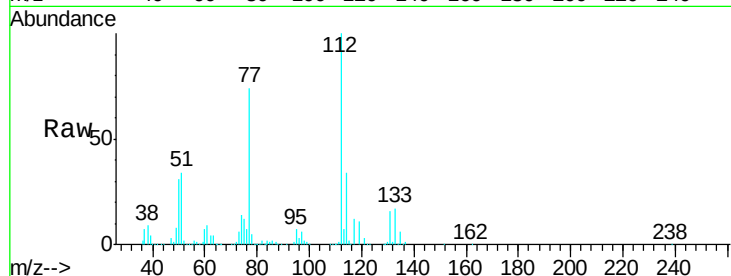
77 73.5 58.6 88.0

114 33.6 28.6 35.0

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MMDadoda

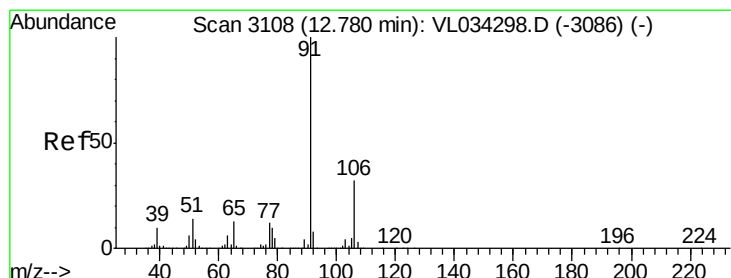
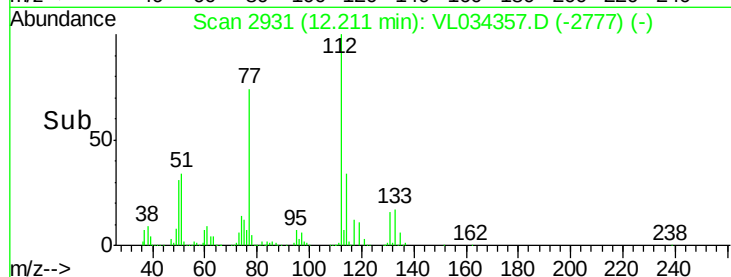
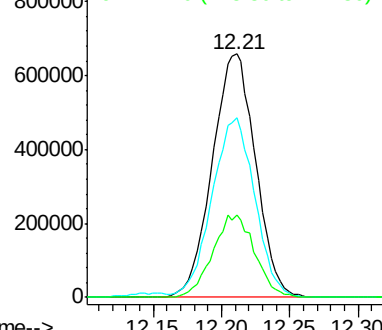
10/28/2019 9:44:01 AM



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: 9.528 ppbv

RT: 12.77 min Scan# 3105

Delta R.T. -0.01 min

Lab File: VL034357.D

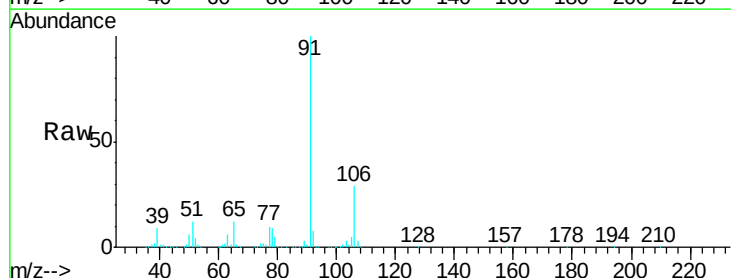
Acq: 24 Oct 2019 23:31

Tgt Ion: 91 Resp: 2715261

Ion Ratio Lower Upper

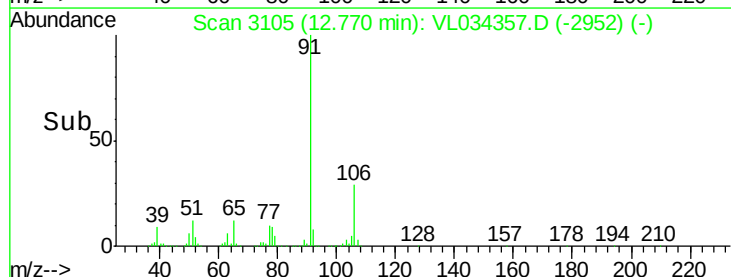
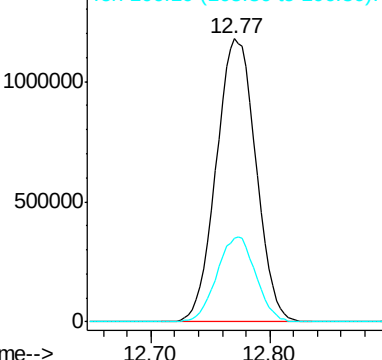
91 100

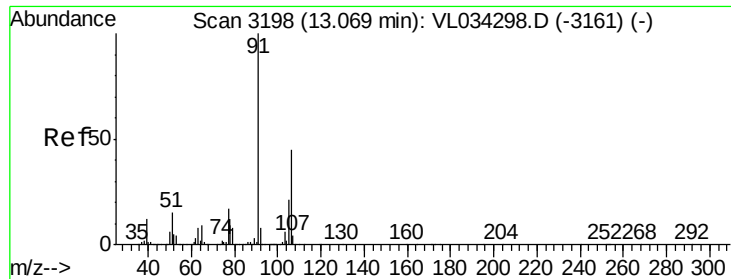
106 29.4 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





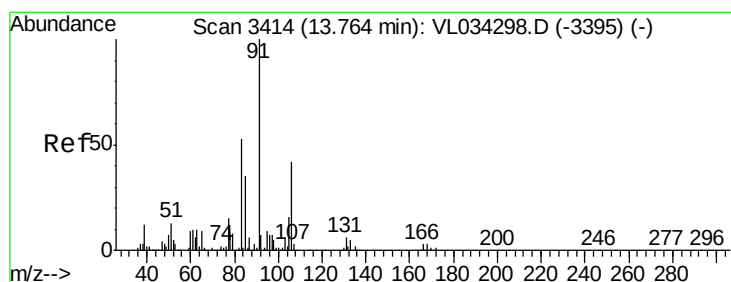
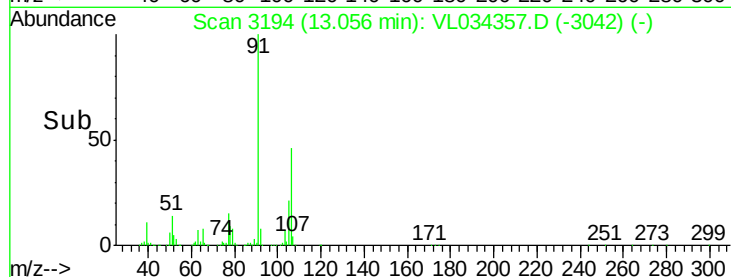
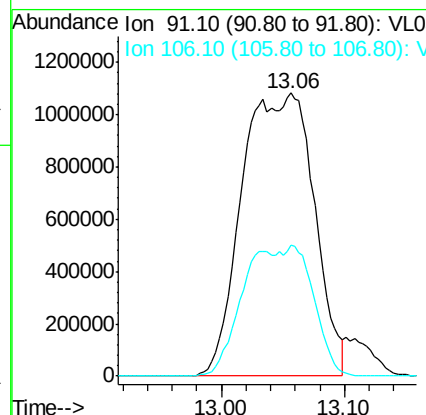
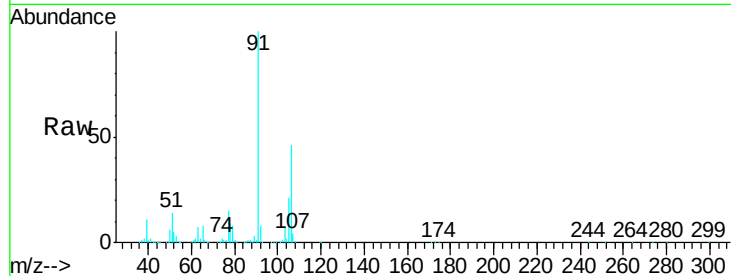
#59
m/p-Xylene
Concen: 17.824 ppbv m
RT: 13.06 min Scan# 3194
Delta R.T. -0.01 min
Lab File: VL034357.D
Acq: 24 Oct 2019 23:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 4401110
Ion Ratio Lower Upper
91 100
106 44.4 35.4 53.2

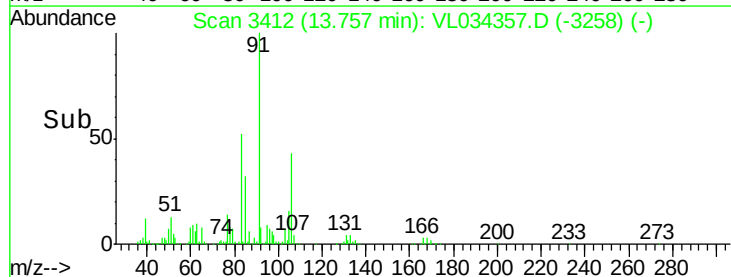
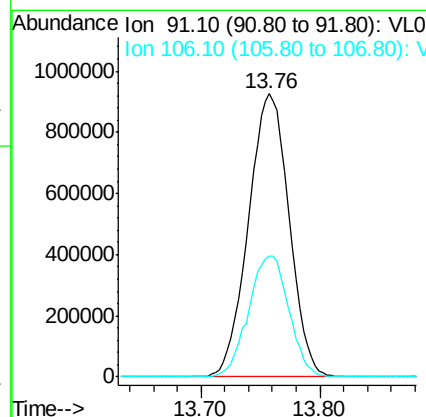
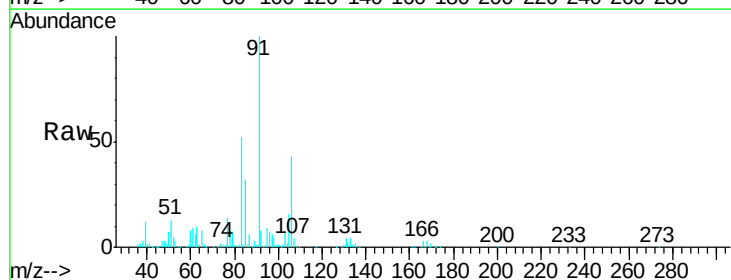
Manual Integrations
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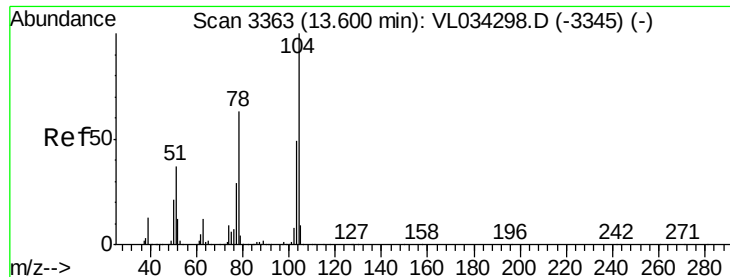
MMDadoda
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#60
o-Xylene
Concen: 8.898 ppbv
RT: 13.76 min Scan# 3412
Delta R.T. -0.01 min
Lab File: VL034357.D
Acq: 24 Oct 2019 23:31

Tgt Ion: 91 Resp: 2187686
Ion Ratio Lower Upper
91 100
106 42.5 21.6 64.6





#61

Styrene

Concen: 9.465 ppbv

RT: 13.59 min Scan# 3361

Delta R.T. -0.01 min

Lab File: VL034357.D

Acq: 24 Oct 2019 23:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:104 Resp: 1638452

Ion Ratio Lower Upper

104 100

78 58.2 47.8 71.8

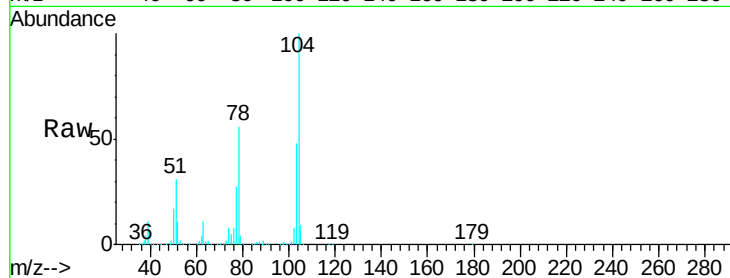
103 48.6 39.0 58.6

Manual Integrations

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MMDadoda

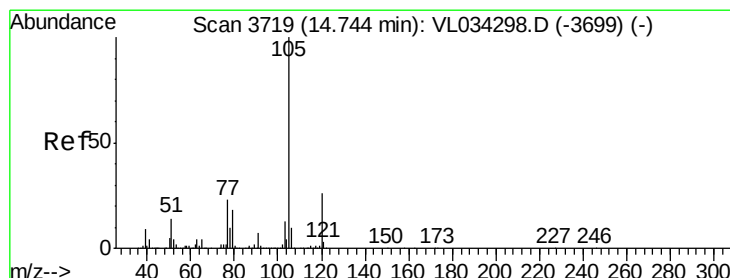
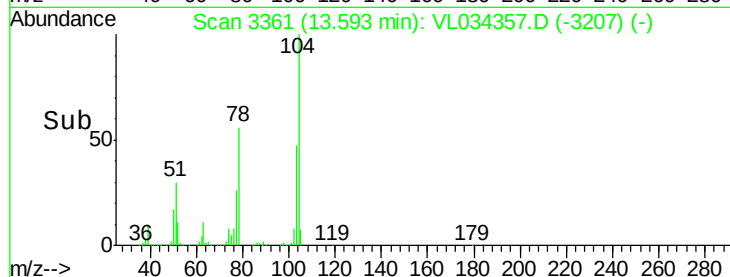
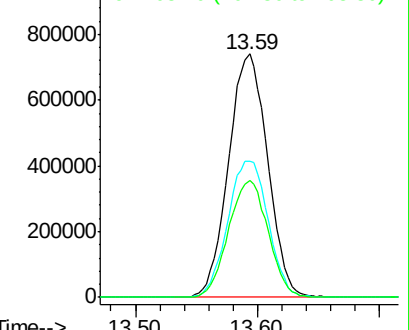
10/28/2019 9:44:01 AM



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: 9.134 ppbv

RT: 14.73 min Scan# 3715

Delta R.T. -0.01 min

Lab File: VL034357.D

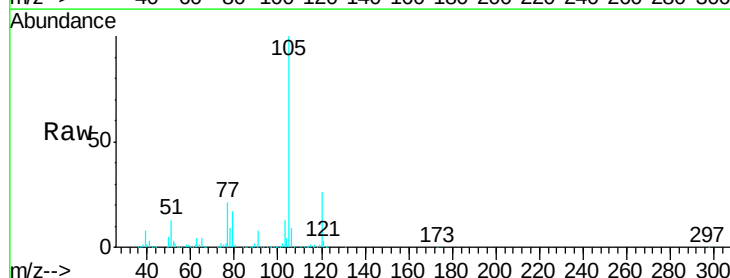
Acq: 24 Oct 2019 23:31

Tgt Ion:105 Resp: 2964568

Ion Ratio Lower Upper

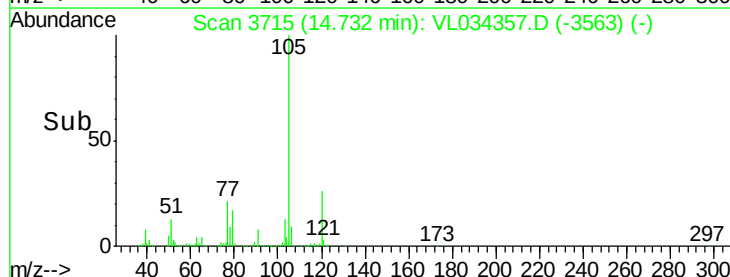
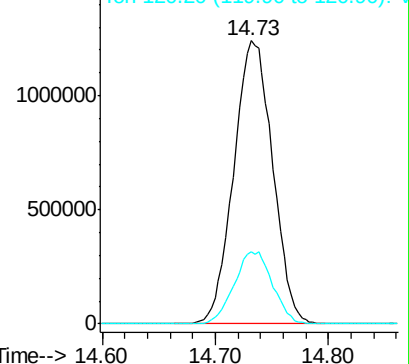
105 100

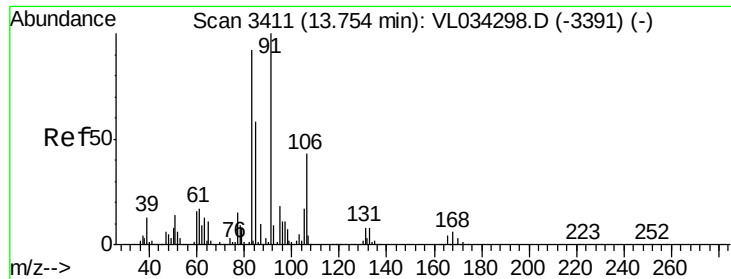
120 25.1 20.8 31.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





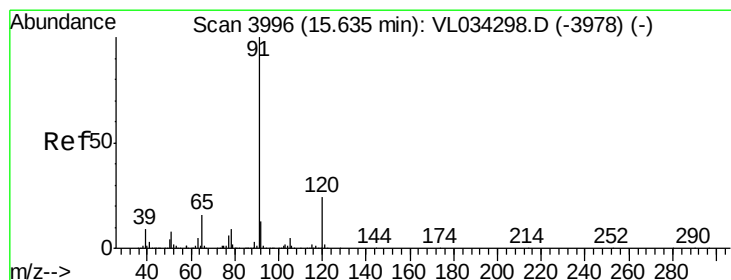
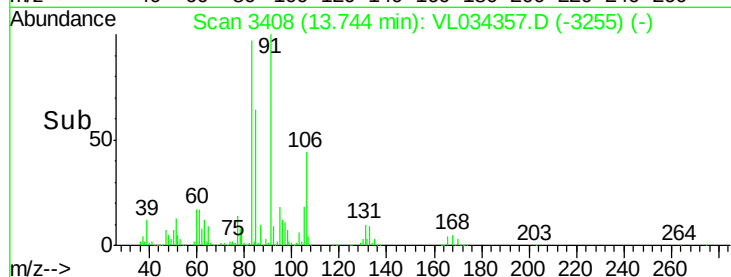
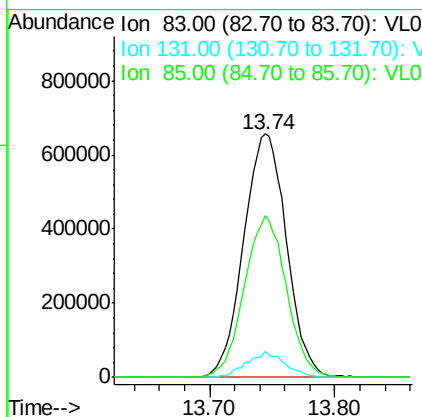
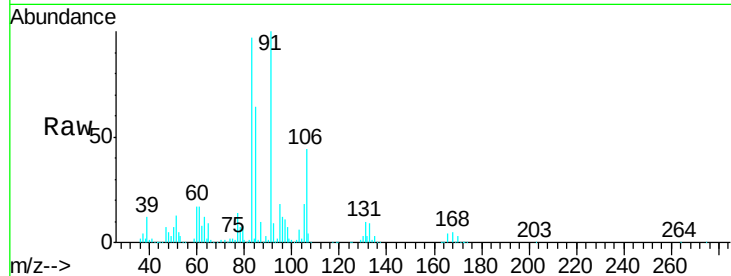
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.879 ppbv
 RT: 13.74 min Scan# 3408
 Delta R.T. -0.01 min
 Lab File: VL034357.D
 Acq: 24 Oct 2019 23:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 83 Resp: 1556843
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.8 14.4
 85 65.4 32.5 97.4

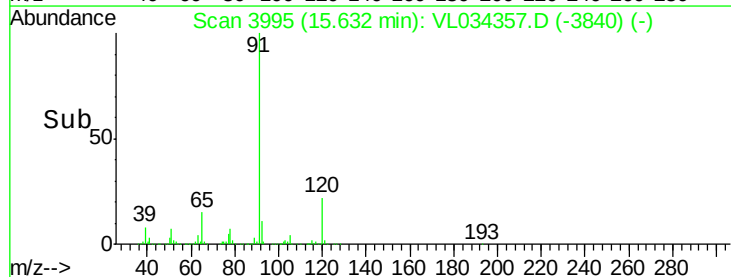
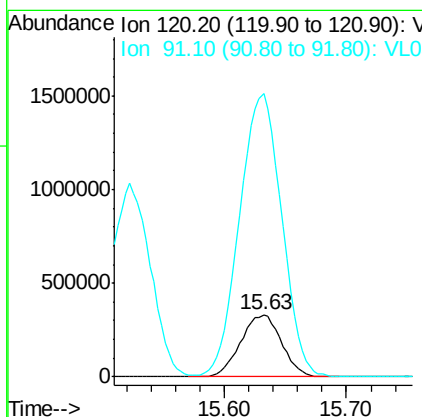
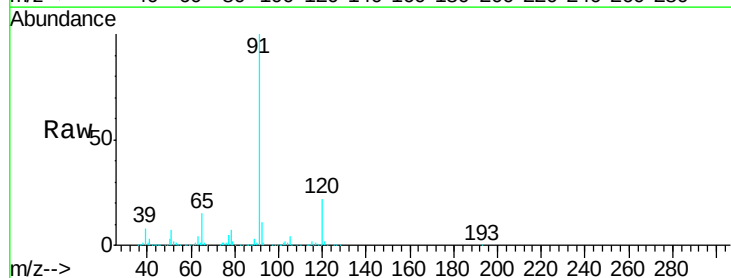
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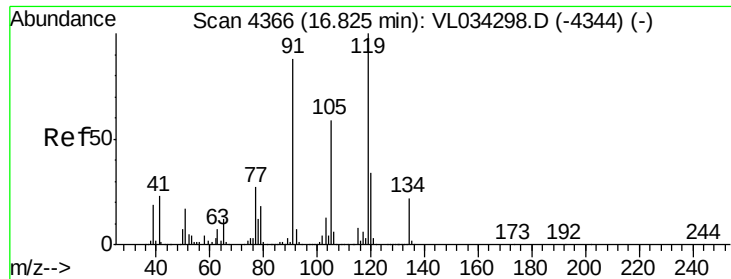
MMDadoda
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#64
 n-propylbenzene
 Concen: 9.246 ppbv
 RT: 15.63 min Scan# 3995
 Delta R.T. -0.00 min
 Lab File: VL034357.D
 Acq: 24 Oct 2019 23:31

Tgt Ion: 120 Resp: 770183
 Ion Ratio Lower Upper
 120 100
 91 471.3 374.9 562.3





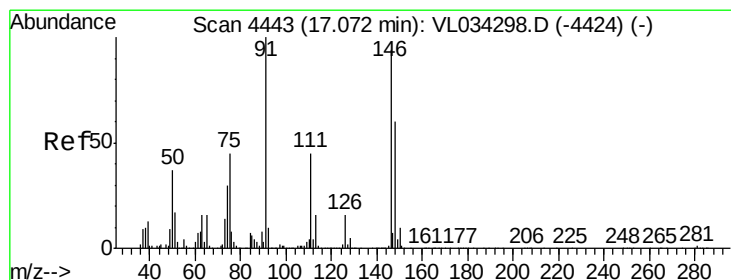
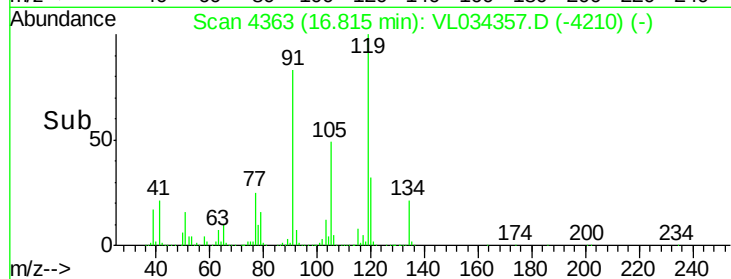
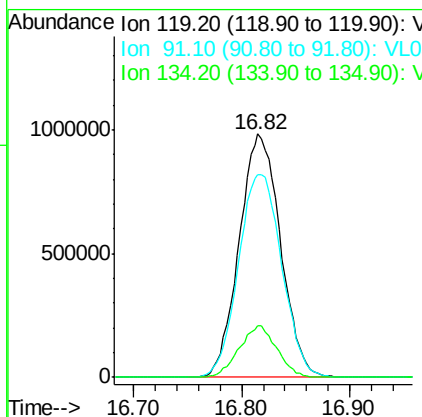
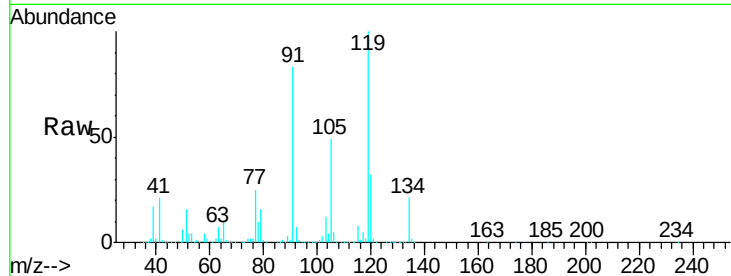
#65
 tert-Butylbenzene
 Concen: 9.077 ppbv
 RT: 16.82 min Scan# 4363
 Delta R.T. -0.01 min
 Lab File: VL034357.D
 Acq: 24 Oct 2019 23:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 119 Resp: 2611138
 Ion Ratio Lower Upper
 119 100
 91 87.7 71.4 107.0
 134 19.5 15.9 23.9

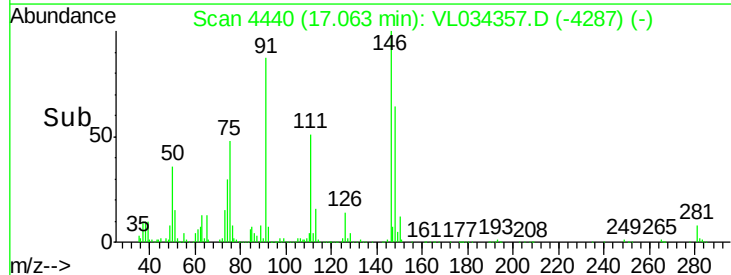
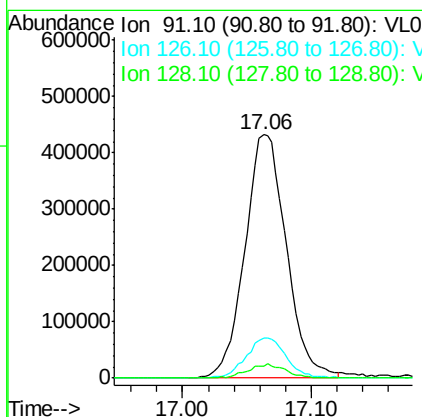
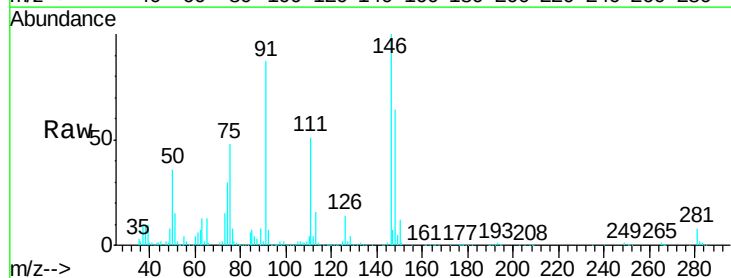
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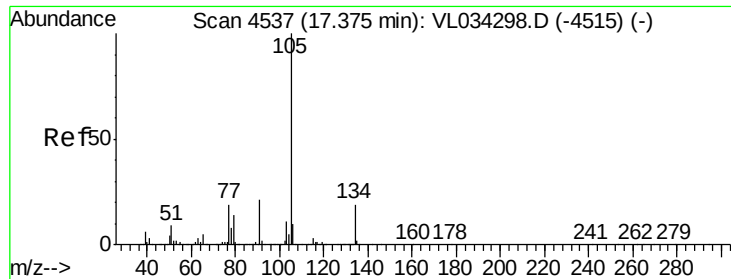
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#66
 Benzyl Chloride
 Concen: 8.483 ppbv
 RT: 17.06 min Scan# 4440
 Delta R.T. -0.01 min
 Lab File: VL034357.D
 Acq: 24 Oct 2019 23:31

Tgt Ion: 91 Resp: 963779
 Ion Ratio Lower Upper
 91 100
 126 16.4 12.9 19.3
 128 5.4 4.3 6.5





#67

sec-Butylbenzene

Concen: 9.127 ppbv

RT: 17.37 min Scan# 4535

Delta R.T. -0.01 min

Lab File: VL034357.D

Acq: 24 Oct 2019 23:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 105 Resp: 3694773

Ion Ratio Lower Upper

105 100

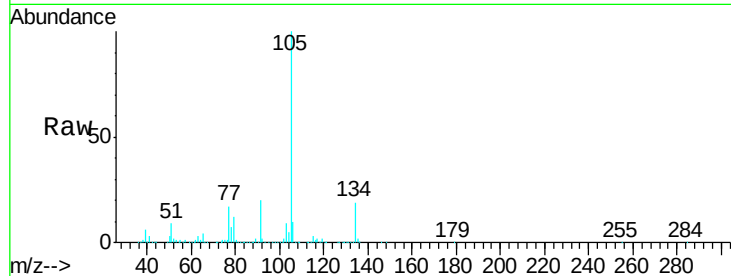
134 18.4 15.4 23.0

Manual Integrations

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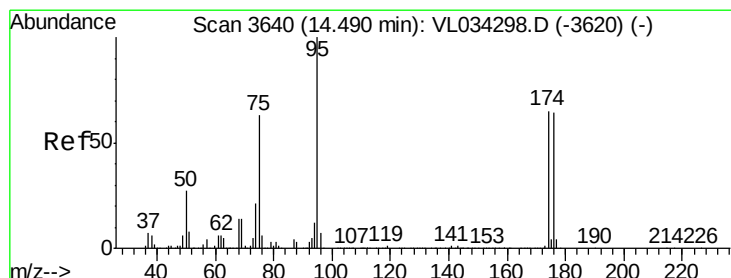
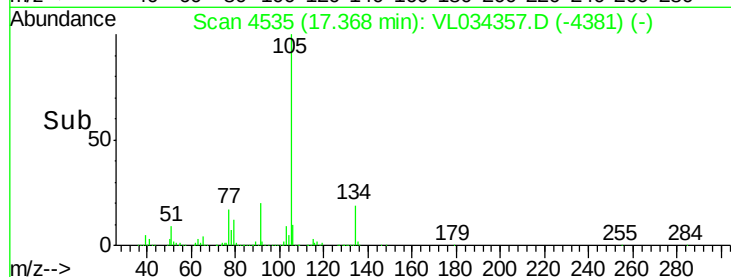
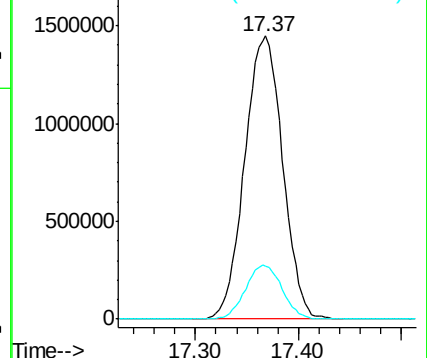
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.391 ppbv

RT: 14.48 min Scan# 3638

Delta R.T. -0.01 min

Lab File: VL034357.D

Acq: 24 Oct 2019 23:31

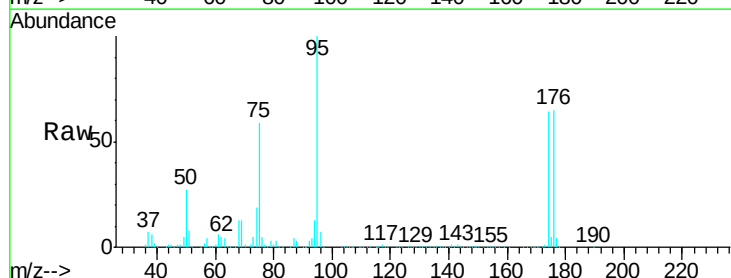
Tgt Ion: 95 Resp: 1621450

Ion Ratio Lower Upper

95 100

174 67.8 52.6 78.8

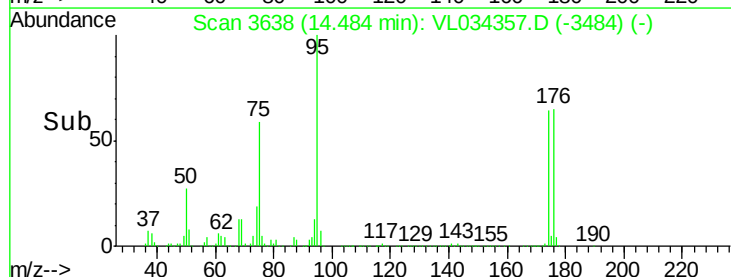
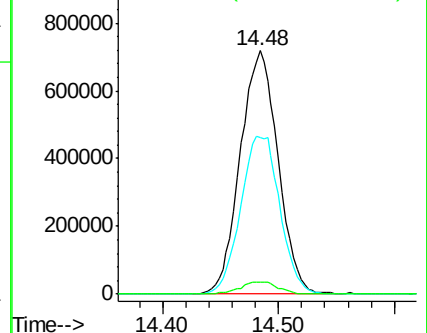
175 5.1 3.8 5.6

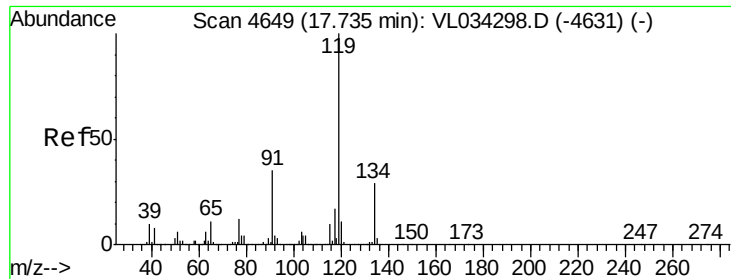


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





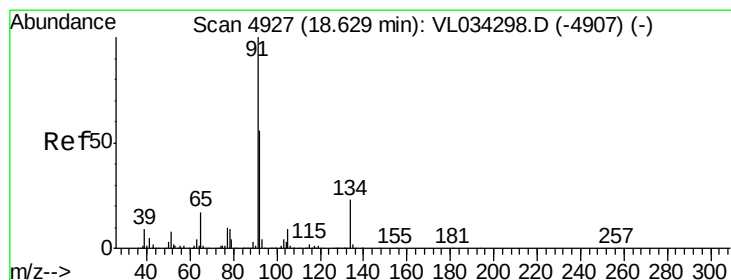
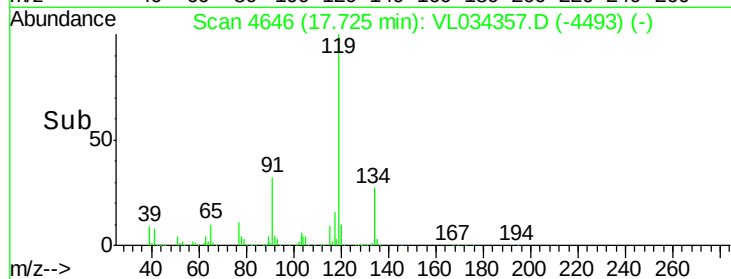
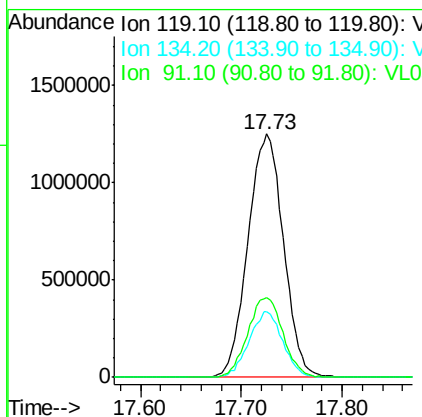
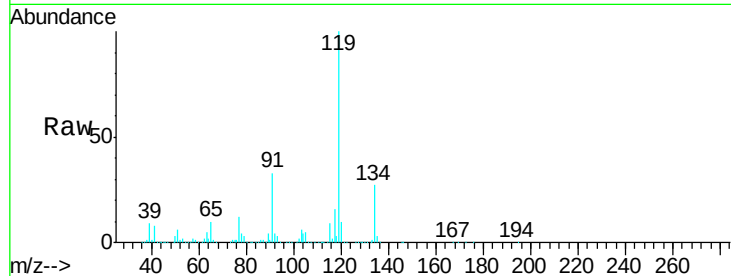
#69
 p-Isopropyltoluene
 Concen: 9.253 ppbv
 RT: 17.73 min Scan# 4646
 Delta R.T. -0.01 min
 Lab File: VL034357.D
 Acq: 24 Oct 2019 23:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 119 Resp: 3053885
 Ion Ratio Lower Upper
 119 100
 134 25.7 21.3 31.9
 91 32.8 26.6 39.8

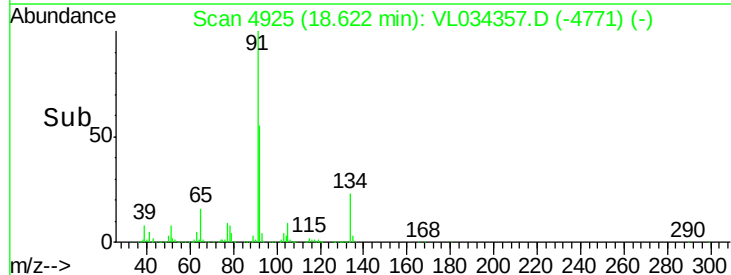
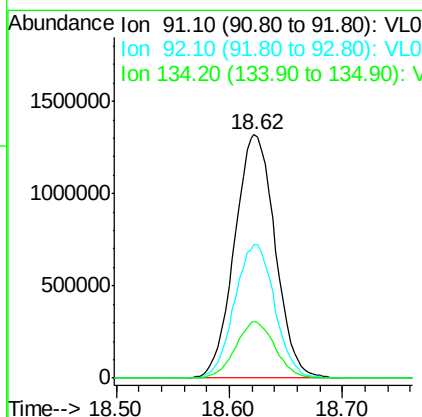
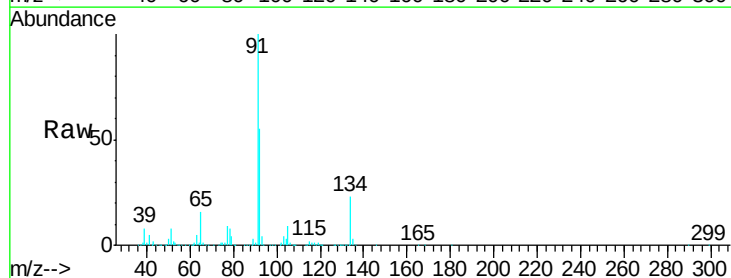
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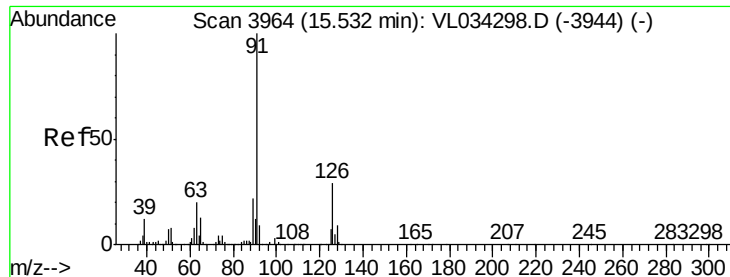
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#70
 n-Butylbenzene
 Concen: 9.134 ppbv
 RT: 18.62 min Scan# 4925
 Delta R.T. -0.01 min
 Lab File: VL034357.D
 Acq: 24 Oct 2019 23:31

Tgt Ion: 91 Resp: 3280132
 Ion Ratio Lower Upper
 91 100
 92 54.6 44.5 66.7
 134 22.6 18.2 27.2





#71

2-Chlorotoluene

Concen: 9.306 ppbv

RT: 15.52 min Scan# 3961

Delta R.T. -0.01 min

Lab File: VL034357.D

Acq: 24 Oct 2019 23:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 2342101

Ion Ratio Lower Upper

91 100

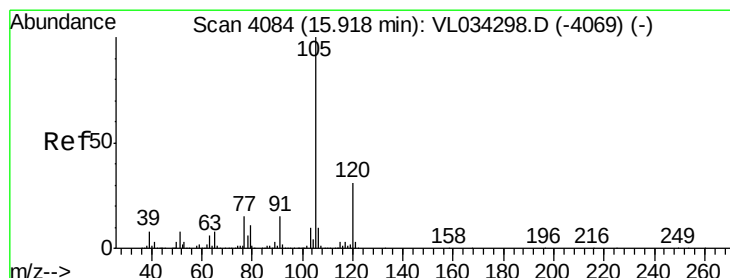
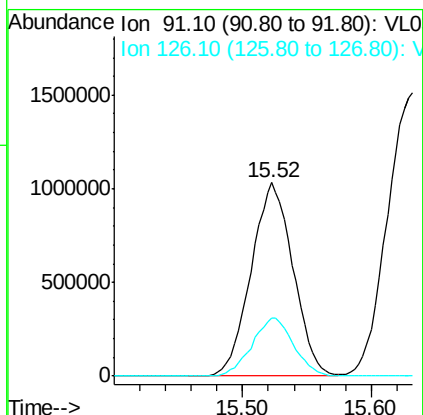
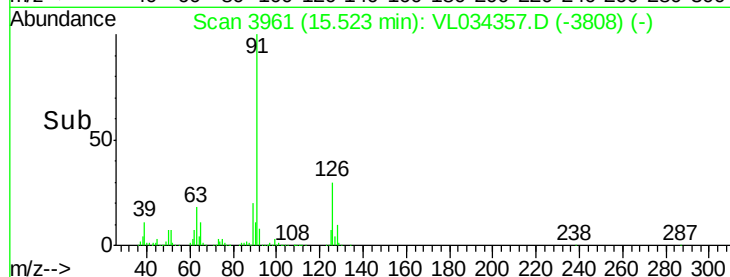
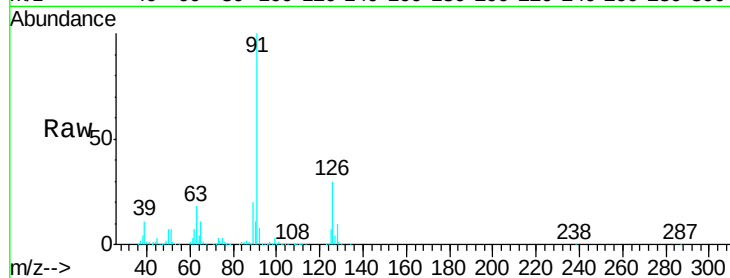
126 29.7 11.9 47.5

Manual Integrations

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10/28/2019 9:44:01 AM



#72

4-Ethyltoluene

Concen: 9.331 ppbv

RT: 15.91 min Scan# 4081

Delta R.T. -0.01 min

Lab File: VL034357.D

Acq: 24 Oct 2019 23:31

Tgt Ion: 105 Resp: 2579078

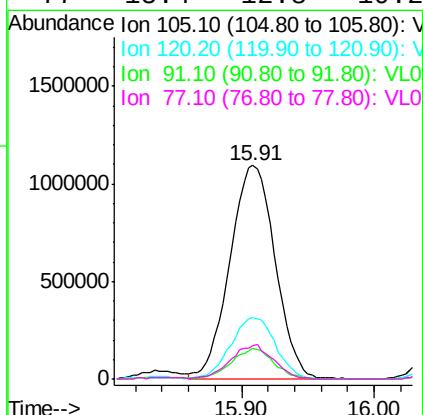
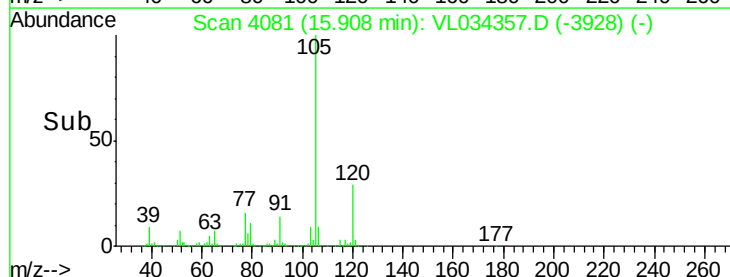
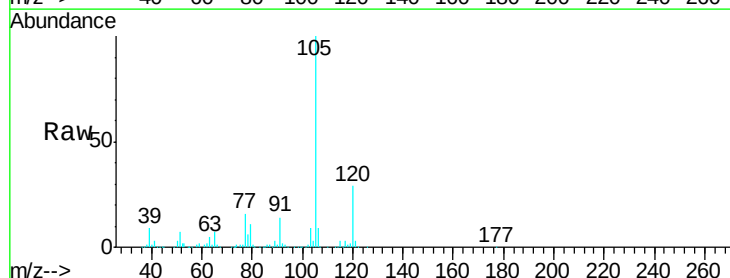
Ion Ratio Lower Upper

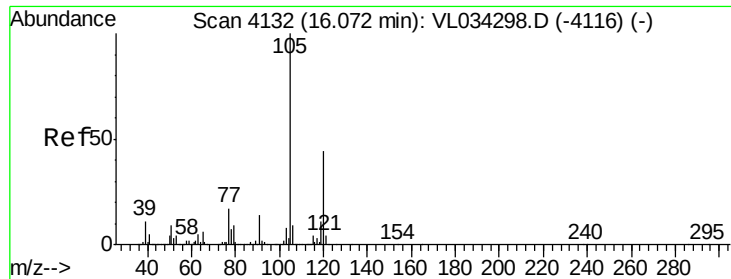
105 100

120 28.8 23.8 35.8

91 13.4 11.2 16.8

77 15.4 12.8 19.2





#73

1,3,5-Trimethylbenzene

Concen: 8.978 ppbv

RT: 16.07 min Scan# 4130

Delta R.T. -0.01 min

Lab File: VL034357.D

Acq: 24 Oct 2019 23:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:105 Resp: 2458617

Ion Ratio Lower Upper

105 100

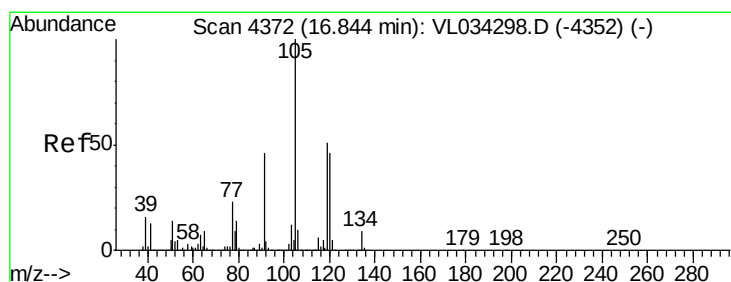
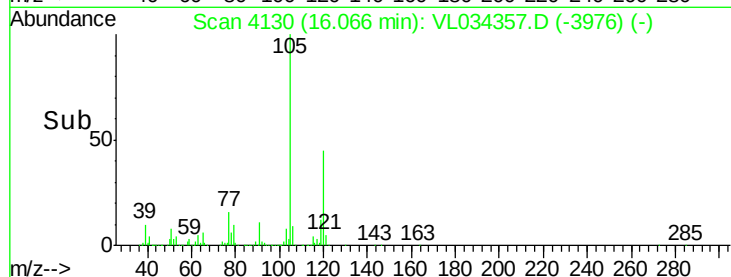
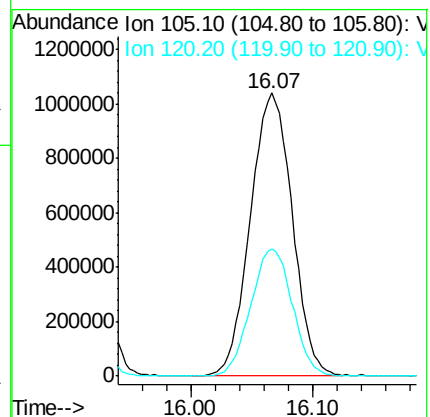
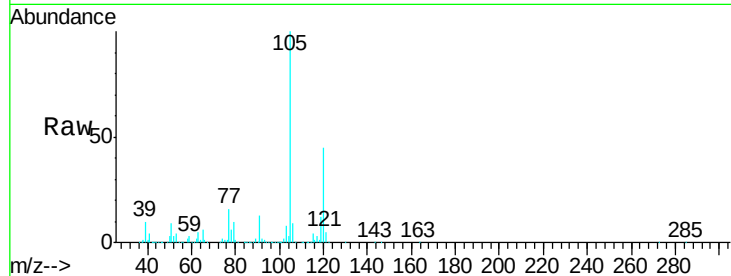
120 44.9 35.2 52.8

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10/28/2019 9:44:01 AM



#74

1,2,4-Trimethylbenzene

Concen: 8.823 ppbv

RT: 16.83 min Scan# 4369

Delta R.T. -0.01 min

Lab File: VL034357.D

Acq: 24 Oct 2019 23:31

Tgt Ion:105 Resp: 2519773

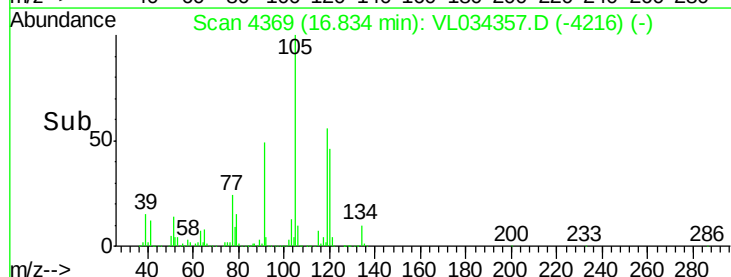
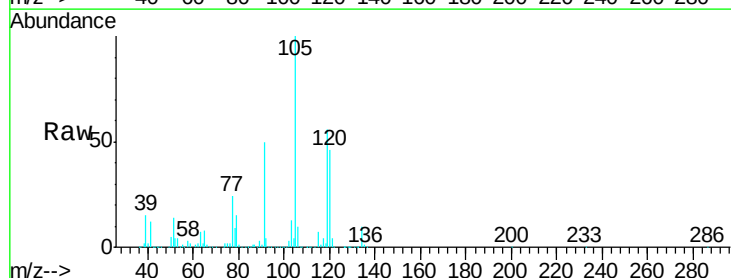
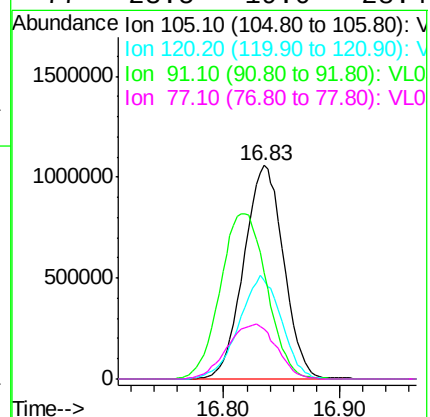
Ion Ratio Lower Upper

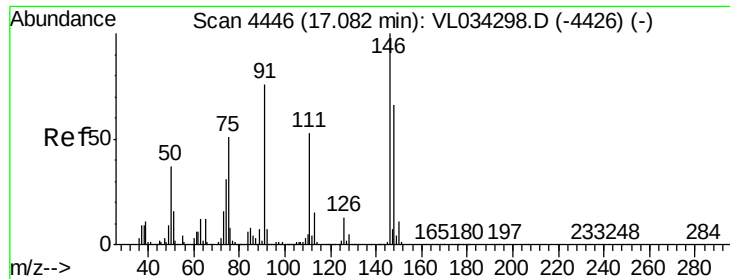
105 100

120 46.4 37.0 55.6

91 49.3 38.2 57.2

77 23.5 19.0 28.4





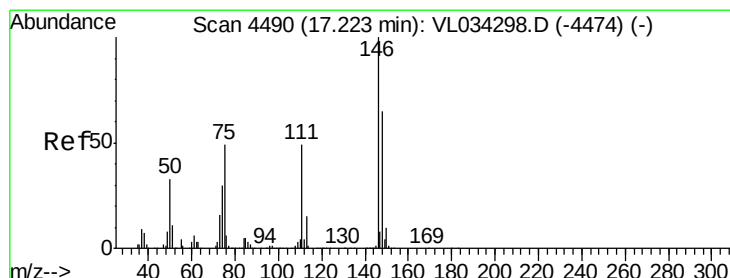
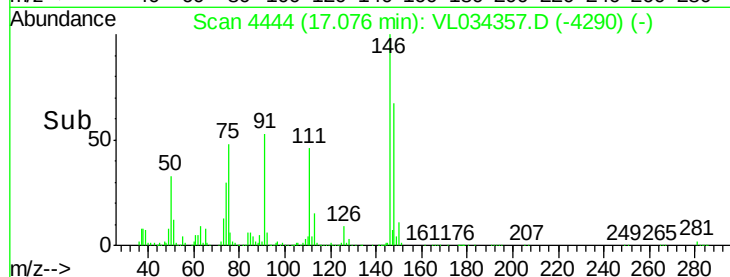
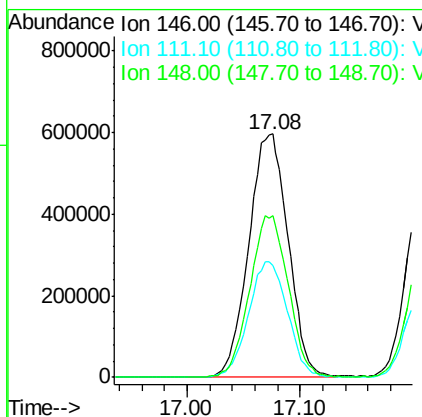
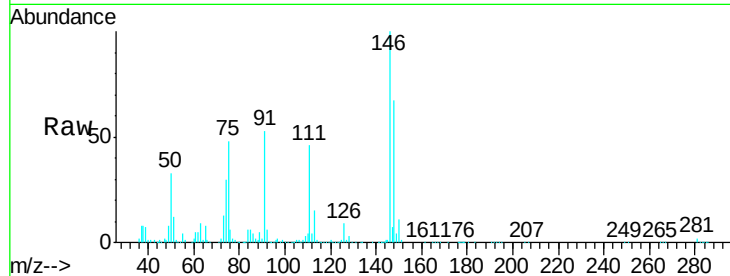
#75
 1,3-Dichlorobenzene
 Concen: 8.411 ppbv
 RT: 17.08 min Scan# 4444
 Delta R.T. -0.01 min
 Lab File: VL034357.D
 Acq: 24 Oct 2019 23:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:146 Resp: 1442143
 Ion Ratio Lower Upper
 146 100
 111 47.2 24.5 73.5
 148 65.1 32.3 96.8

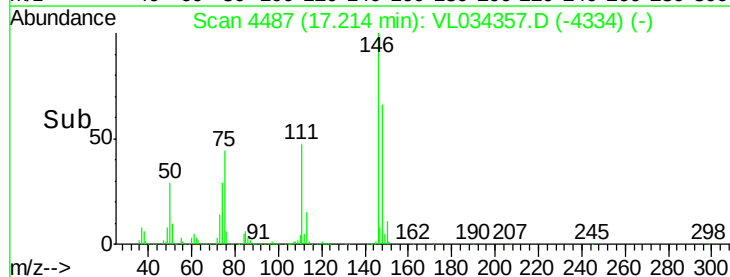
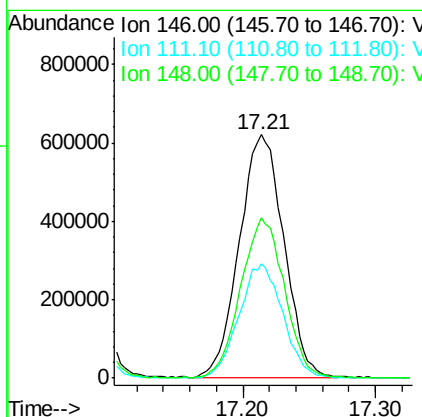
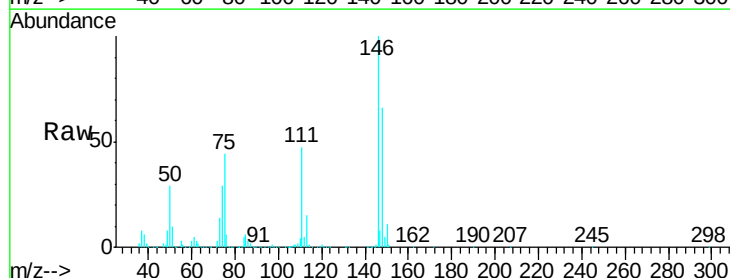
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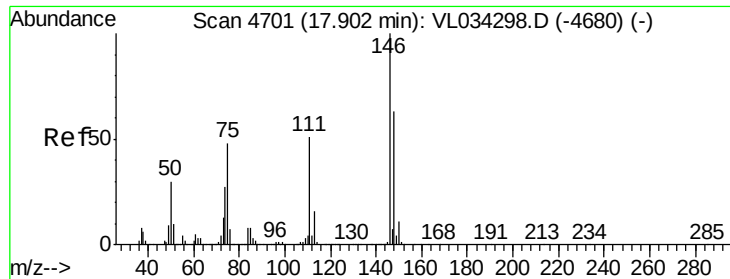
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#76
 1,4-Dichlorobenzene
 Concen: 8.574 ppbv
 RT: 17.21 min Scan# 4487
 Delta R.T. -0.01 min
 Lab File: VL034357.D
 Acq: 24 Oct 2019 23:31

Tgt Ion:146 Resp: 1436024
 Ion Ratio Lower Upper
 146 100
 111 46.9 23.9 71.7
 148 65.8 33.1 99.2





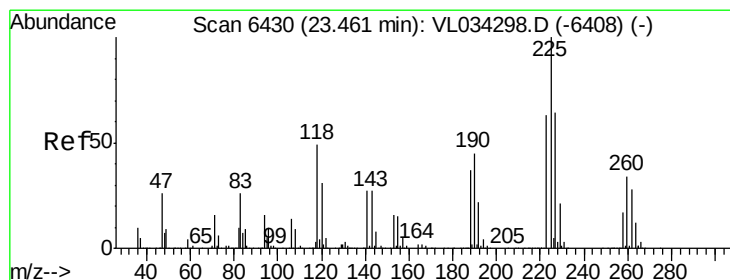
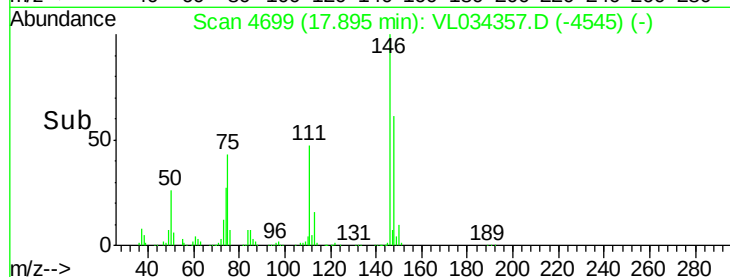
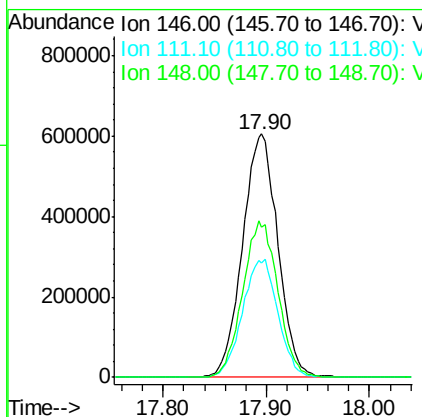
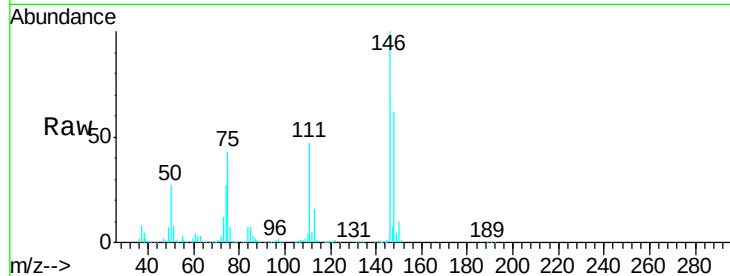
#77
 1,2-Dichlorobenzene
 Concen: 8.569 ppbv
 RT: 17.90 min Scan# 4699
 Delta R.T. -0.01 min
 Lab File: VL034357.D
 Acq: 24 Oct 2019 23:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:146 Resp: 1440506
 Ion Ratio Lower Upper
 146 100
 111 48.8 25.1 75.3
 148 64.1 32.3 96.8

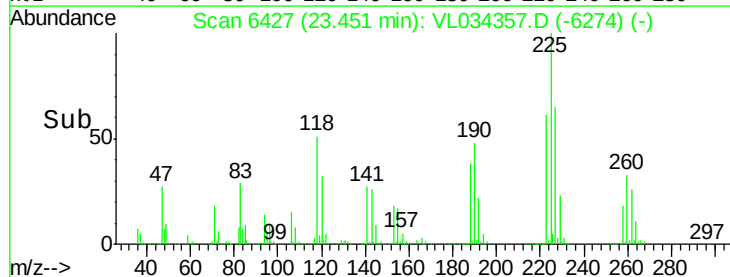
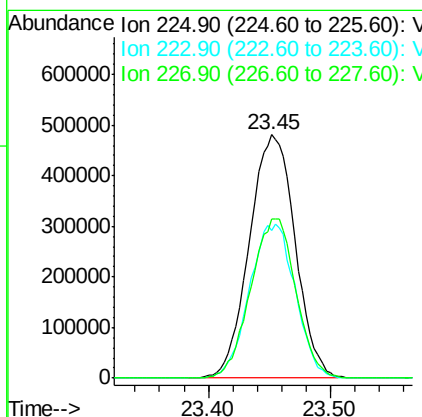
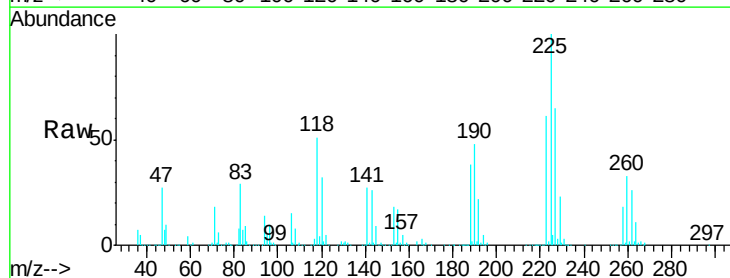
Manual Integrations
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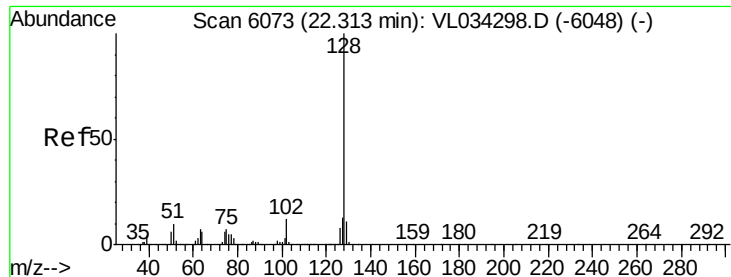
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.972 ppbv
 RT: 23.45 min Scan# 6427
 Delta R.T. -0.01 min
 Lab File: VL034357.D
 Acq: 24 Oct 2019 23:31

Tgt Ion:225 Resp: 1247530
 Ion Ratio Lower Upper
 225 100
 223 63.5 50.8 76.2
 227 64.8 51.5 77.3





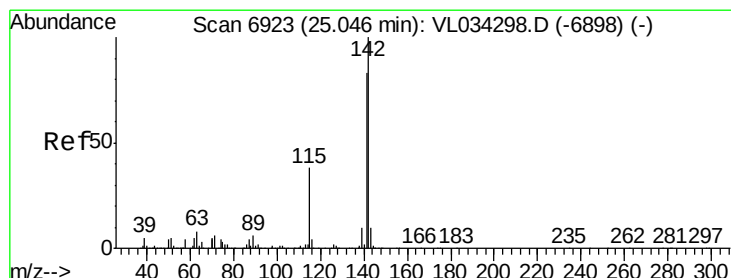
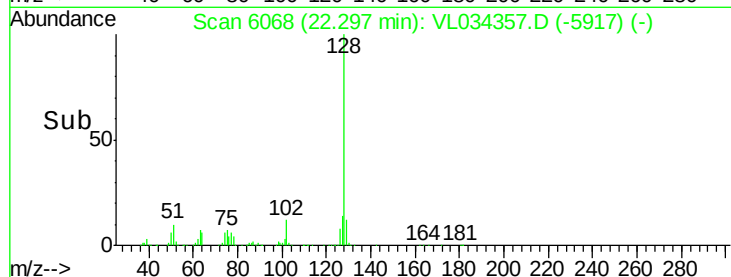
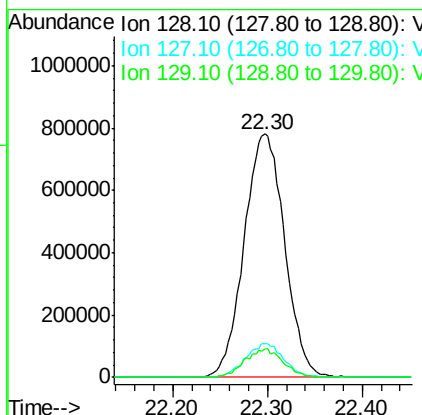
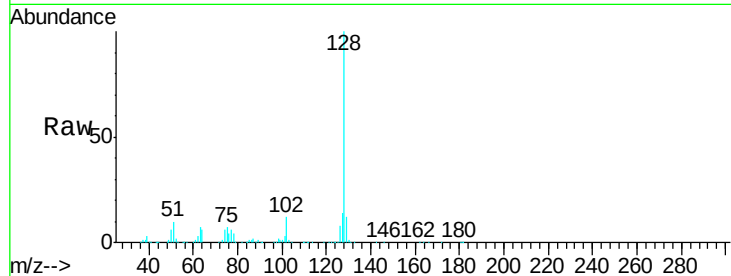
#79
Naphthalene
Concen: 11.106 ppbv
RT: 22.30 min Scan# 6068
Delta R.T. -0.02 min
Lab File: VL034357.D
Acq: 24 Oct 2019 23:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.2	15.4
129	11.6	8.9	13.3

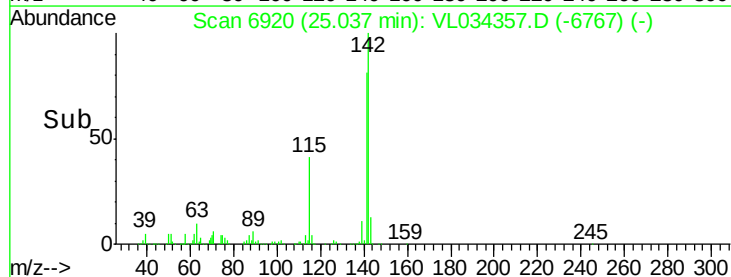
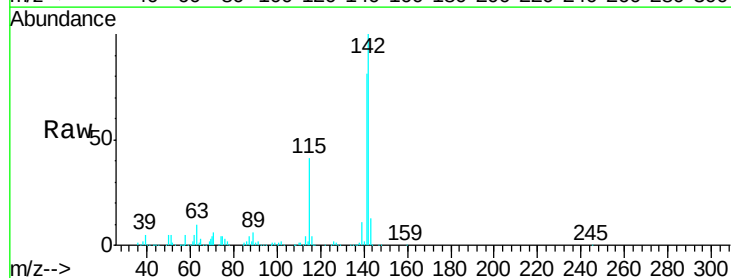
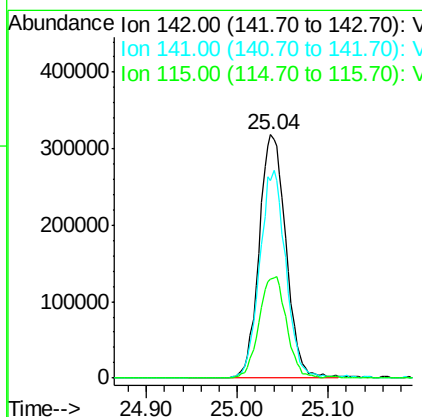
Manual Integrations
APPROVED

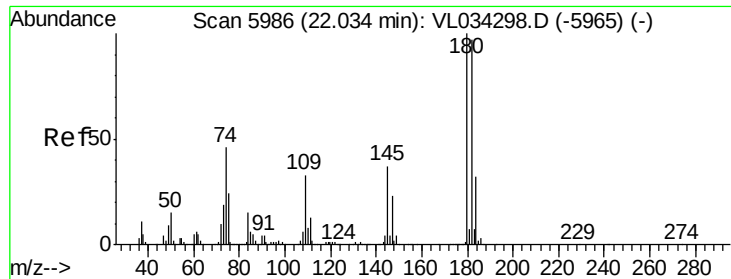
MMDadoda
10/28/2019 9:44:01 AM



#80
Naphthalene, 2-methyl-
Concen: 10.749 ppbv
RT: 25.04 min Scan# 6920
Delta R.T. -0.01 min
Lab File: VL034357.D
Acq: 24 Oct 2019 23:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.6	65.7	98.5
115	43.4	30.9	46.3





#81
 1,2,4-Trichlorobenzene
 Concen: 9.459 ppbv
 RT: 22.02 min Scan# 5983
 Delta R.T. -0.01 min
 Lab File: VL034357.D
 Acq: 24 Oct 2019 23:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.8	116.8
184	31.8	25.4	38.2

Manual Integrations
 APPROVED

MMDadoda
 10/28/2019 9:44:01 AM

