

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102419\
 Data File : VL034342.D
 Acq On : 24 Oct 2019 9:50
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 10/28/2019 9:42:55 AM

Quant Time: Oct 25 01:41:46 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	1110863	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	2241741	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	2449683m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1923496	9.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.02	85	1884223	9.839	ppbv	98
3) Chlorodifluoromethane	2.96	51	1141151	8.764	ppbv	100
4) Chloromethane	3.12	50	702335	9.119	ppbv	97
5) Vinyl Chloride	3.24	62	640722	8.725	ppbv	98
6) Bromomethane	3.46	94	337377	9.382	ppbv	97
7) Chloroethane	3.54	64	238996	9.247	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	1439530	8.675	ppbv	98
9) Propene	2.99	41	535168	9.272	ppbv	98
10) Heptane	8.16	43	1425931	9.626	ppbv	99
11) Trichlorofluoromethane	3.94	101	1621178	8.916	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1088438	9.137	ppbv	99
13) Ethanol	3.59	45	91815	7.105	ppbv	96
14) Bromoethene	3.73	108	448688	9.567	ppbv	97
15) Acetone	3.84	43	1212172	7.629	ppbv	100
16) 1,3-Butadiene	3.31	39	599687	9.289	ppbv	99
17) tert-Butyl alcohol	4.29	59	842620	8.309	ppbv	100
18) 1,1-Dichloroethene	4.29	96	489502	9.385	ppbv	99
19) Isopropyl Alcohol	3.96	45	682798	7.703	ppbv	99
20) Methylene Chloride	4.34	84	444612	7.740	ppbv	99
21) Allyl Chloride	4.41	41	856268	9.748	ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	506427	9.735	ppbv	97
23) Vinyl Acetate	5.08	43	1930023	9.727	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1333162	9.053	ppbv	99
25) Ethyl Acetate	5.69	43	2375433	8.855	ppbv	99
26) Hexane	5.70	57	1045639	9.145	ppbv	97
27) Carbon Disulfide	4.55	76	1272122	10.717	ppbv	97
28) Methyl tert-Butyl Ether	5.04	73	1694862	9.795	ppbv	98
29) Chloroform	5.77	83	1637360	9.053	ppbv	99
30) Cyclohexane	7.16	84	832529	9.901	ppbv	96
31) cis-1,2-Dichloroethene	5.56	61	1111107	9.575	ppbv	97
32) 1,1,1-Trichloroethane	6.54	97	1627294	9.252	ppbv	99
34) 2-Butanone	5.26	43	1599916	8.732	ppbv	98
35) Carbon Tetrachloride	7.05	117	1699493	8.704	ppbv	99
36) Benzene	6.92	78	1977112	9.192	ppbv	99
37) 1,2-Dichloroethane	6.33	62	1399464	8.730	ppbv	99
38) Trichloroethene	7.88	130	767715	8.895	ppbv	95
39) 1,2-Dichloropropane	7.65	63	817954	8.832	ppbv	95
40) 1,4-Dioxane	7.86	88	272296	8.366	ppbv	70
41) Tetrahydrofuran	6.07	42	934650	9.191	ppbv	98
42) Bromodichloromethane	7.83	83	1804146	9.189	ppbv	99
43) Methyl Methacrylate	8.05	69	851477	9.572	ppbv	97

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Manual Integrations
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MMDadoda
 10/28/2019 9:42:55 AM

Quant Time: Oct 25 01:41:46 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	3491286	8.770	ppbv	99
45) t-1,3-Dichloropropene	9.33	75	1140251	10.520	ppbv	99
46) cis-1,3-Dichloropropene	8.75	75	1276022	10.248	ppbv	95
47) 1,1,2-Trichloroethane	9.52	97	827124	8.817	ppbv	97
48) Dibromochloromethane	10.36	129	1501557	9.757	ppbv	98
49) Bromoform	13.11	173	1353690	9.927	ppbv	100
50) 4-Methyl-2-Pentanone	8.78	43	2389662	9.110	ppbv	98
51) 2-Hexanone	10.18	43	2025933	9.421	ppbv #	99
52) Tetrachloroethene	11.28	164	747218	8.863	ppbv	98
53) Toluene	9.85	91	2273084	9.576	ppbv	100
54) 1,2-Dibromoethane	10.67	107	1258179	9.049	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.18	131	995943	8.822	ppbv	94
57) Chlorobenzene	12.21	112	1735154	8.490	ppbv	99
58) Ethyl Benzene	12.77	91	3119163	9.109	ppbv	100
59) m/p-Xylene	13.06	91	5127472m	17.282	ppbv	
60) o-Xylene	13.75	91	2582418	8.741	ppbv	98
61) Styrene	13.59	104	1952360	9.386	ppbv	99
62) Isopropylbenzene	14.73	105	3372615	8.648	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.74	83	1791807	7.547	ppbv	99
64) n-propylbenzene	15.63	120	879093	8.783	ppbv	100
65) tert-Butylbenzene	16.82	119	2967212	8.584	ppbv	99
66) Benzyl Chloride	17.06	91	1430439	10.478	ppbv	100
67) sec-Butylbenzene	17.36	105	4125699	8.481	ppbv	99
69) p-Isopropyltoluene	17.73	119	3416569	8.615	ppbv	99
70) n-Butylbenzene	18.62	91	3625924	8.403	ppbv	99
71) 2-Chlorotoluene	15.53	91	2652305	8.771	ppbv	100
72) 4-Ethyltoluene	15.91	105	2971762	8.948	ppbv	100
73) 1,3,5-Trimethylbenzene	16.06	105	2852362	8.668	ppbv	99
74) 1,2,4-Trimethylbenzene	16.83	105	2890676	8.424	ppbv	99
75) 1,3-Dichlorobenzene	17.07	146	1661178	8.063	ppbv	100
76) 1,4-Dichlorobenzene	17.21	146	1660019	8.249	ppbv	99
77) 1,2-Dichlorobenzene	17.89	146	1624611	8.043	ppbv	99
78) Hexachloro-1,3-Butadiene	23.45	225	1564286	9.362	ppbv	99
79) Naphthalene	22.29	128	2798437	11.164	ppbv	97
80) Naphthalene,2-methyl-	25.04	142	1338953	18.479	ppbv	94
81) 1,2,4-Trichlorobenzene	22.02	180	1638706	10.009	ppbv	99

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

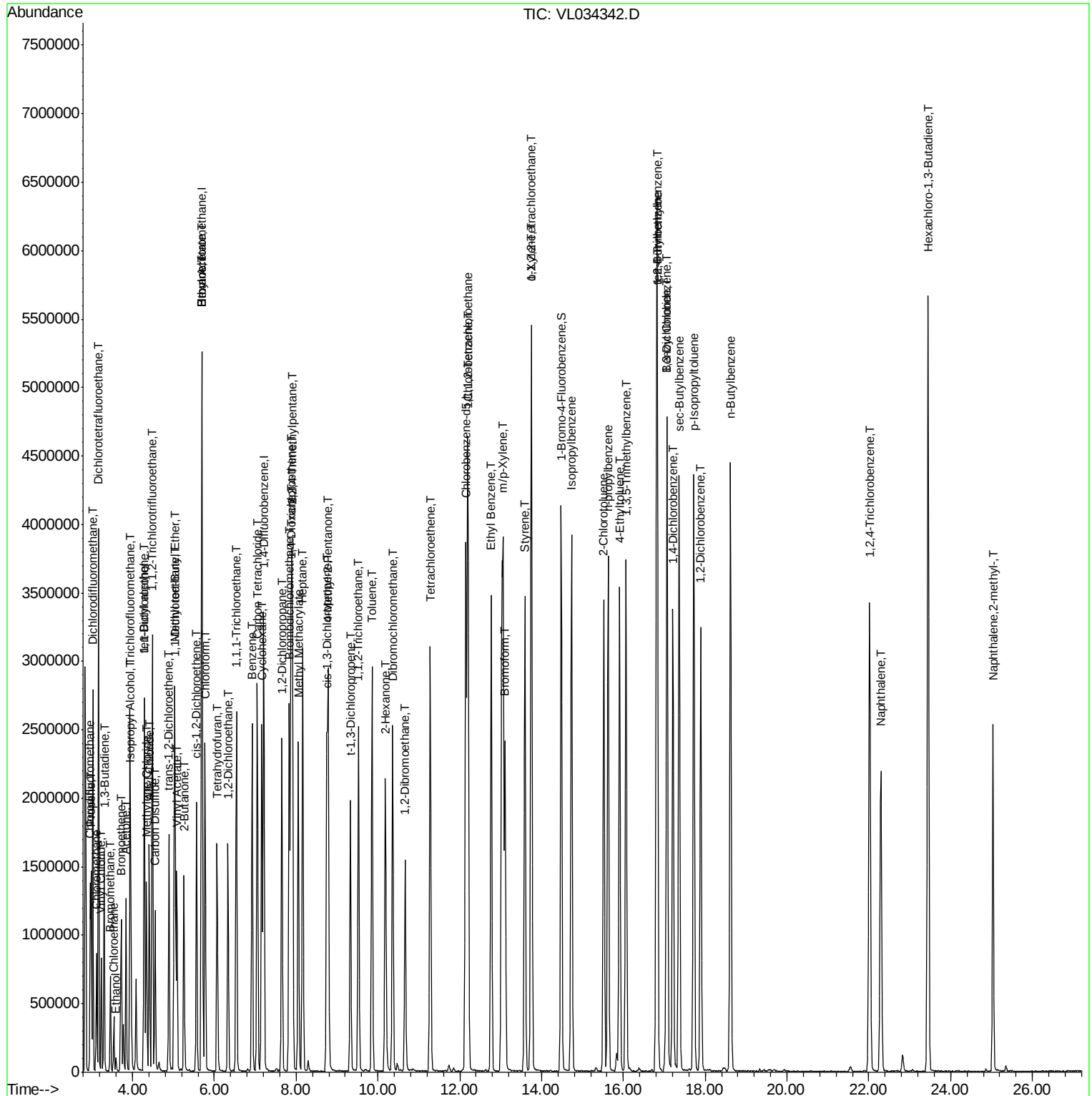
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Acq On : 24 Oct 2019 9:50
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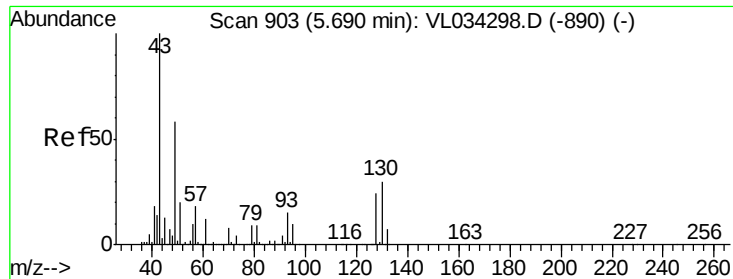
Instrument :
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Quant Method : Z:\\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.00 min

Lab File: VL034342.D

Acq: 24 Oct 2019 9:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 49 Resp: 1110863

Ion Ratio Lower Upper

49 100

128 43.5 20.6 61.8

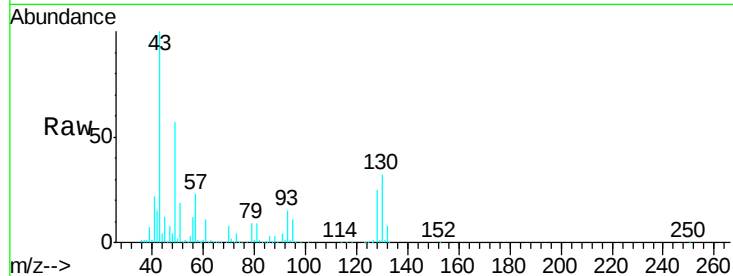
130 54.7 26.2 78.5

Manual Integrations

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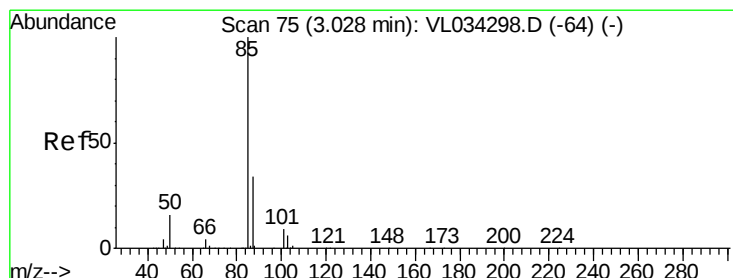
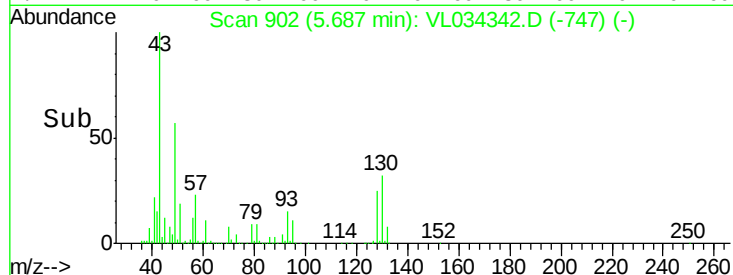
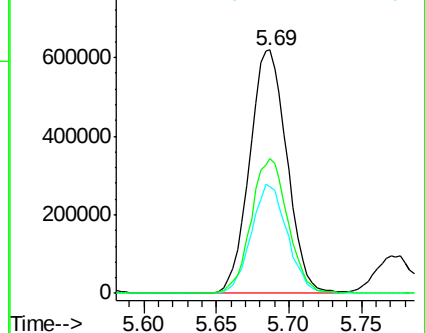
10/28/2019 9:42:55 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.839 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.00 min

Lab File: VL034342.D

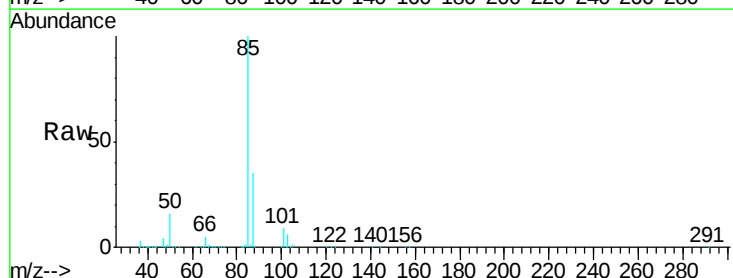
Acq: 24 Oct 2019 9:50

Tgt Ion: 85 Resp: 1884223

Ion Ratio Lower Upper

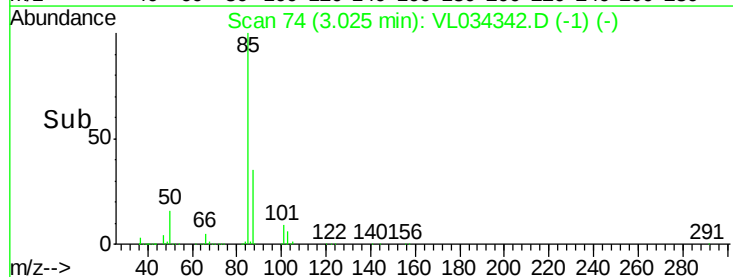
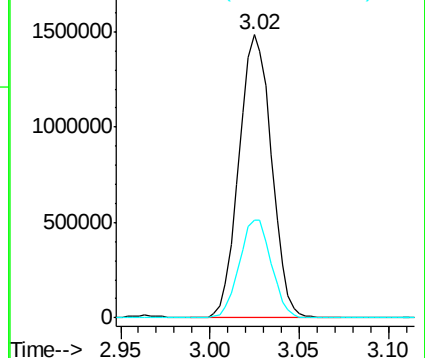
85 100

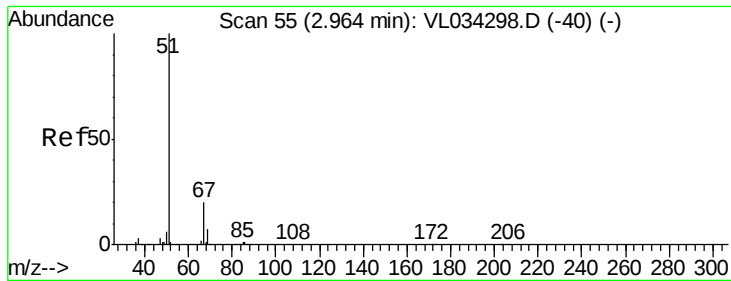
87 34.7 27.0 40.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.764 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.00 min

Lab File: VL034342.D

Acq: 24 Oct 2019 9:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 51 Resp: 1141151

Ion Ratio Lower Upper

51 100

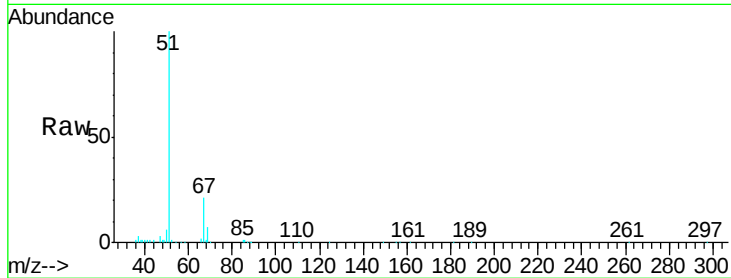
67 19.9 15.8 23.8

Manual Integrations

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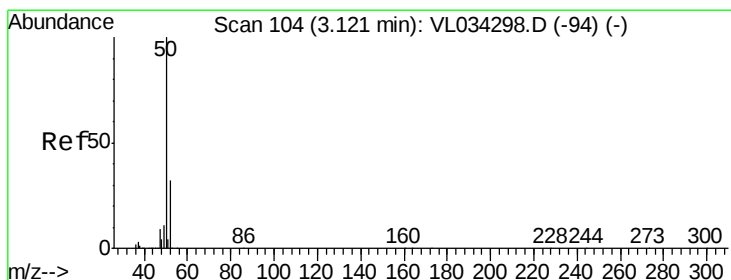
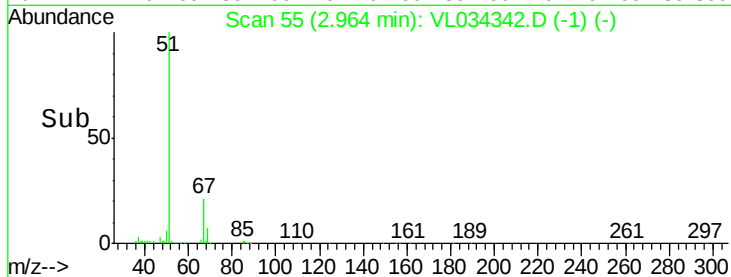
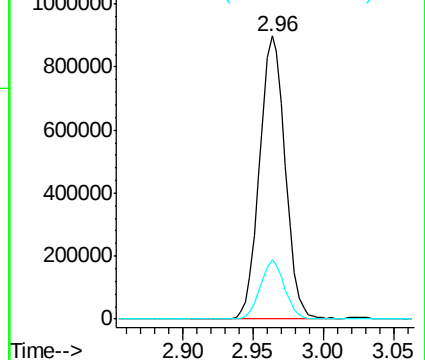
MMDadoda

10/28/2019 9:42:55 AM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.119 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.00 min

Lab File: VL034342.D

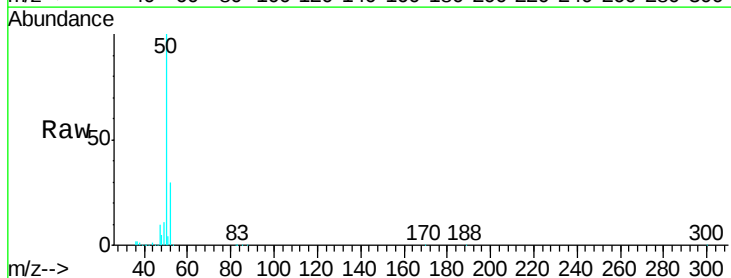
Acq: 24 Oct 2019 9:50

Tgt Ion: 50 Resp: 702335

Ion Ratio Lower Upper

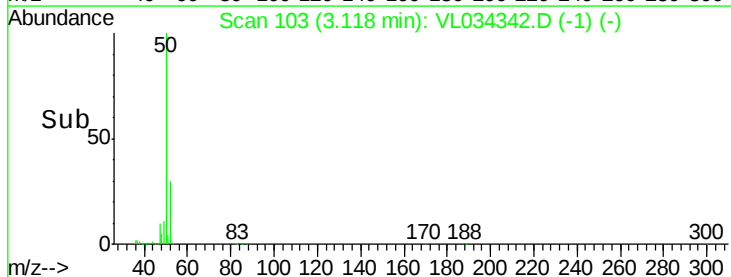
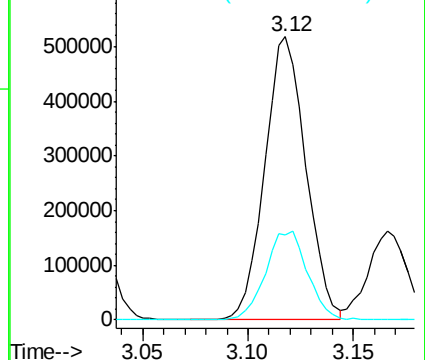
50 100

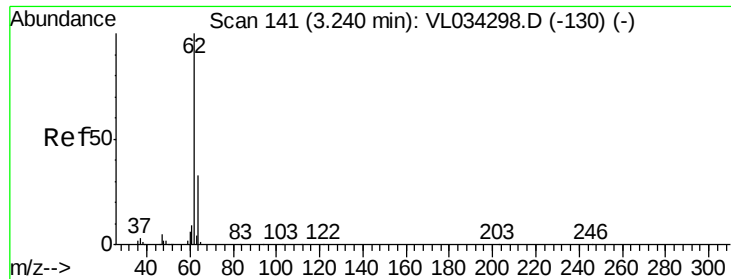
52 30.2 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.725 ppbv

RT: 3.24 min Scan# 140

Delta R.T. -0.00 min

Lab File: VL034342.D

Acq: 24 Oct 2019 9:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 62 Resp: 640722

Ion Ratio Lower Upper

62 100

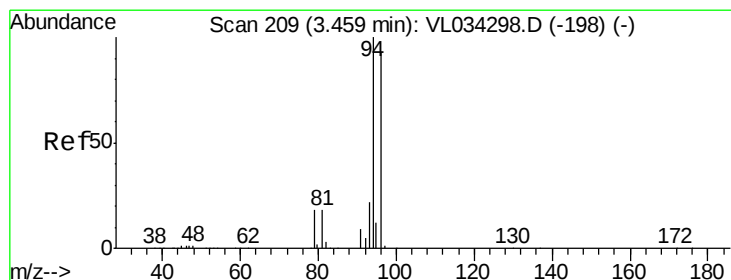
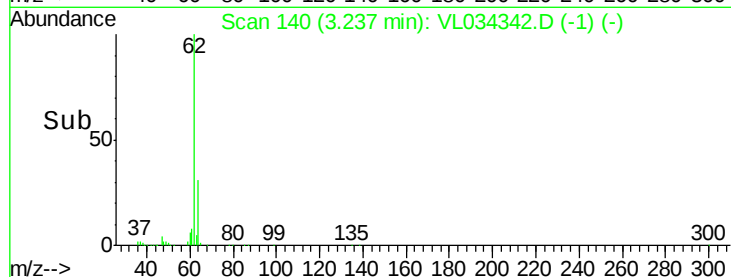
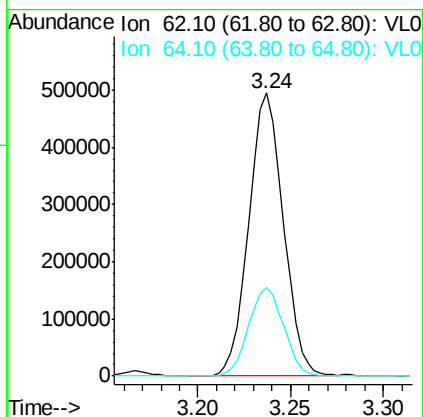
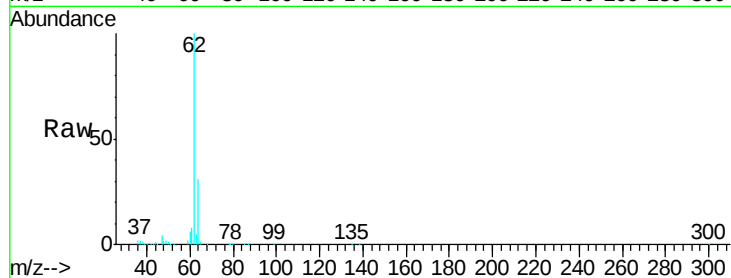
64 31.3 26.0 39.0

Manual Integrations

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10/28/2019 9:42:55 AM



#6

Bromomethane

Concen: 9.382 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.00 min

Lab File: VL034342.D

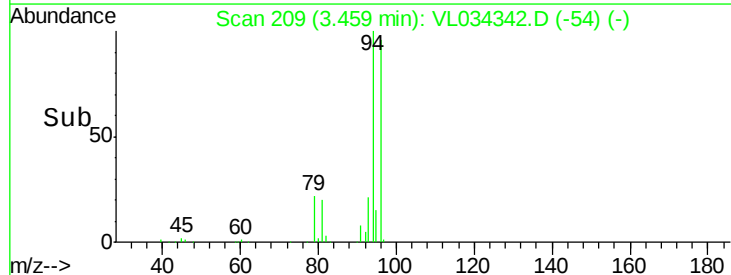
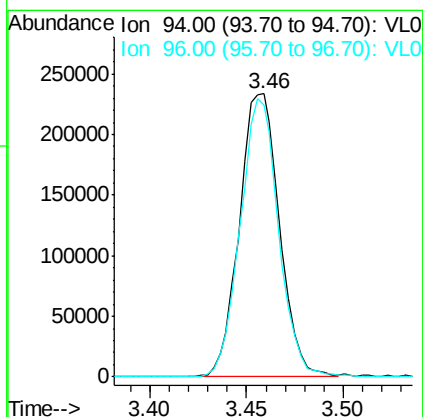
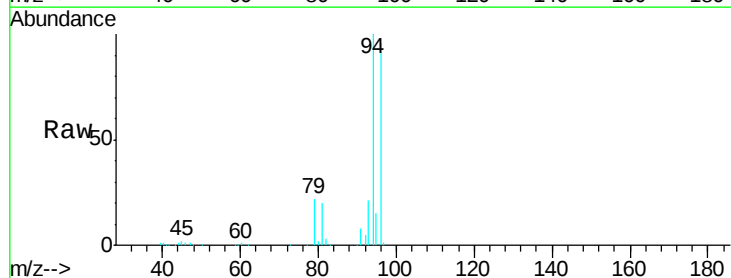
Acq: 24 Oct 2019 9:50

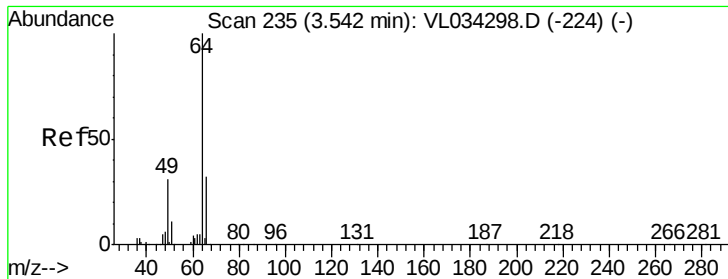
Tgt Ion: 94 Resp: 337377

Ion Ratio Lower Upper

94 100

96 96.1 74.6 112.0





#7

Chloroethane

Concen: 9.247 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.00 min

Lab File: VL034342.D

Acq: 24 Oct 2019 9:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 64 Resp: 238996

Ion Ratio Lower Upper

64 100

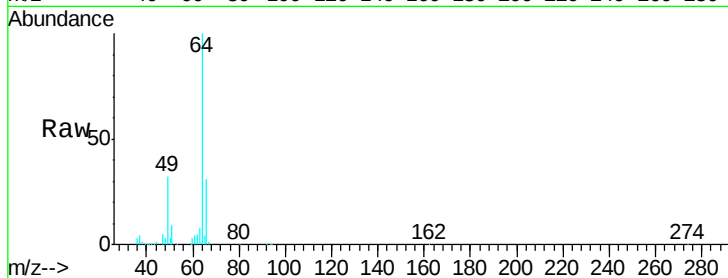
66 31.2 25.4 38.0

Manual Integrations

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10/28/2019 9:42:55 AM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

200000

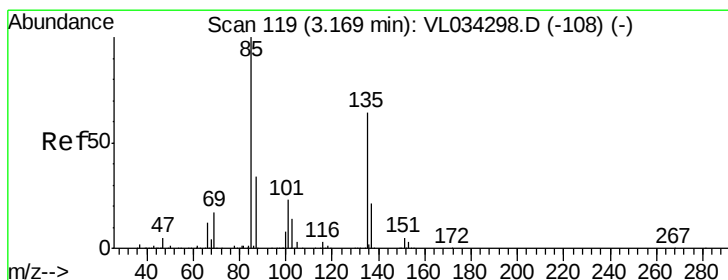
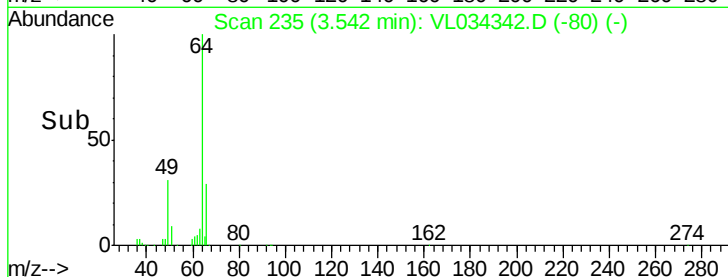
150000

100000

50000

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Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.675 ppbv

RT: 3.17 min Scan# 118

Delta R.T. -0.00 min

Lab File: VL034342.D

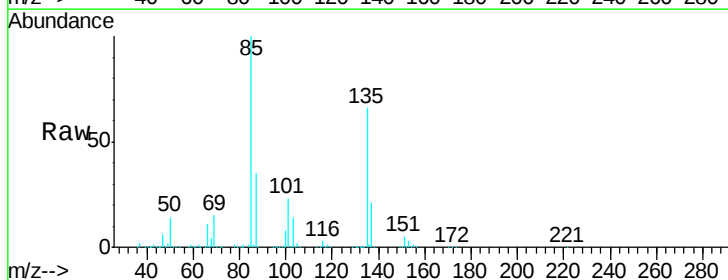
Acq: 24 Oct 2019 9:50

Tgt Ion: 85 Resp: 1439530

Ion Ratio Lower Upper

85 100

135 64.5 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

1200000

1000000

800000

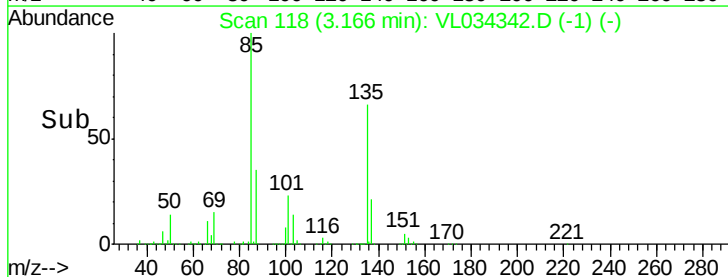
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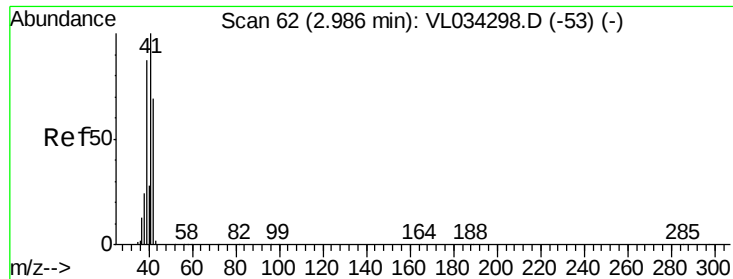
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Time-->





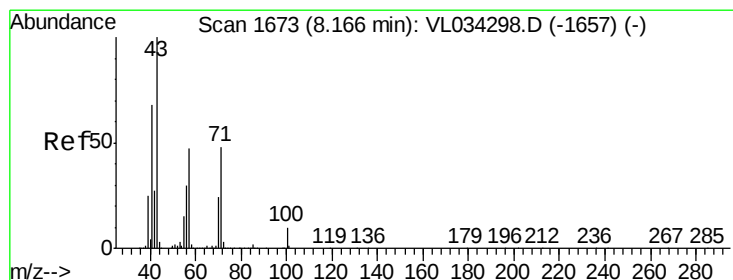
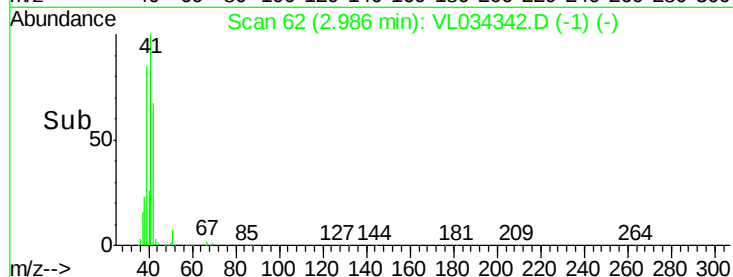
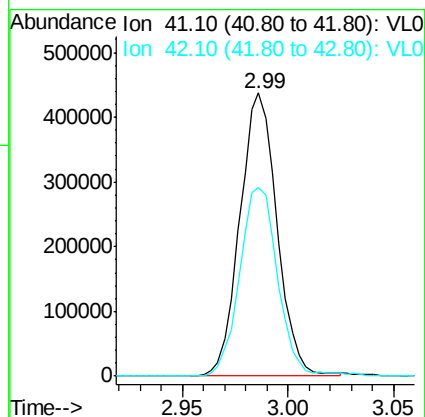
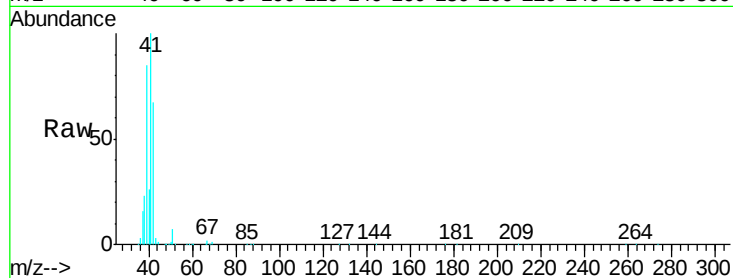
#9
 Propene
 Concen: 9.272 ppbv
 RT: 2.99 min Scan# 62
 Delta R.T. -0.00 min
 Lab File: VL034342.D
 Acq: 24 Oct 2019 9:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 41 Resp: 535168
 Ion Ratio Lower Upper
 41 100
 42 68.9 53.9 80.9

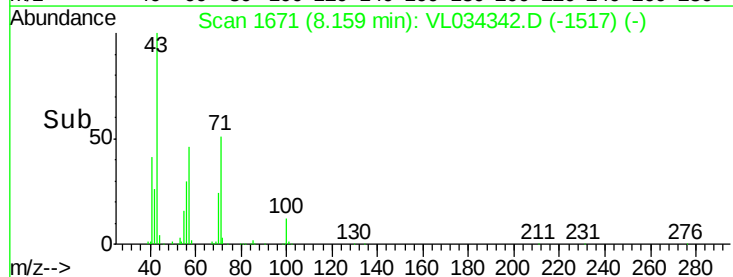
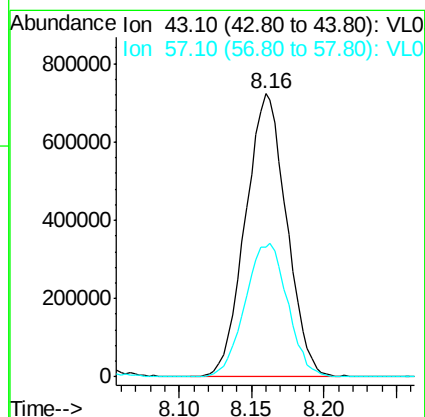
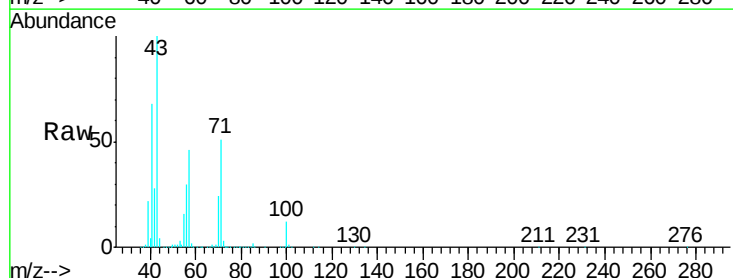
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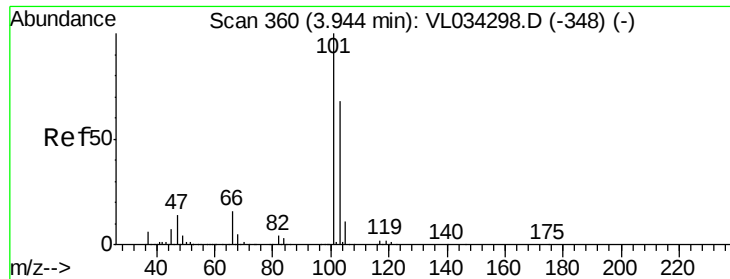
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 10/28/2019 9:42:55 AM



#10
 Heptane
 Concen: 9.626 ppbv
 RT: 8.16 min Scan# 1671
 Delta R.T. -0.01 min
 Lab File: VL034342.D
 Acq: 24 Oct 2019 9:50

Tgt Ion: 43 Resp: 1425931
 Ion Ratio Lower Upper
 43 100
 57 48.7 39.5 59.3





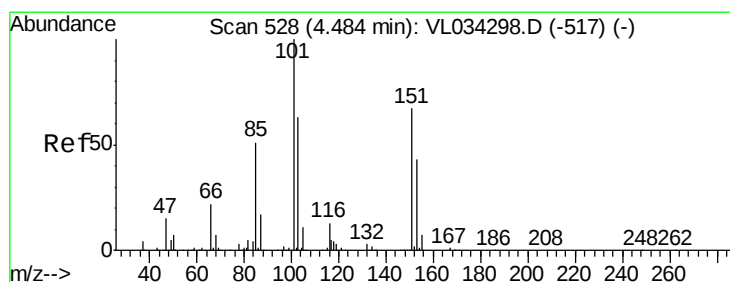
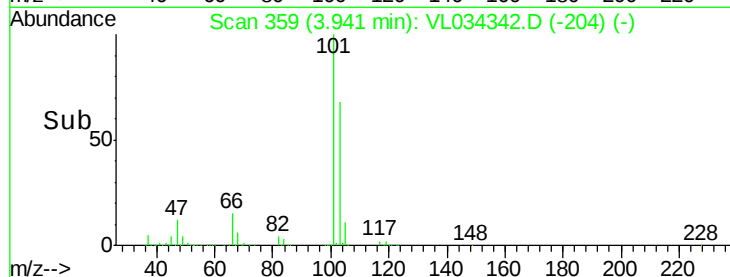
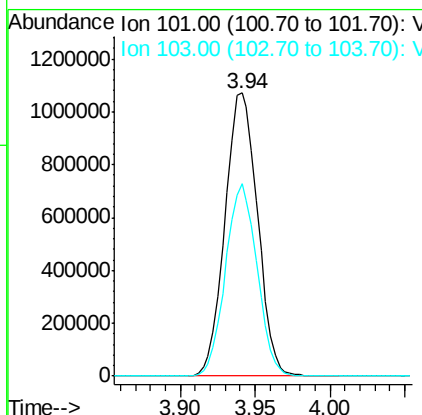
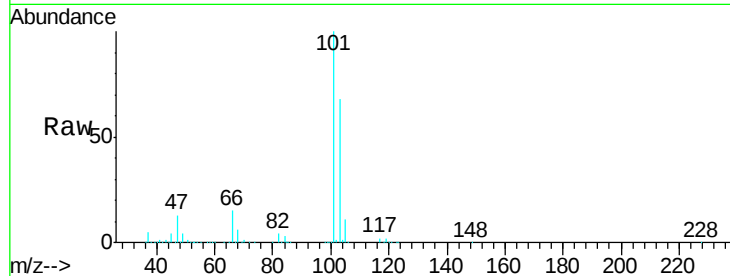
#11
 Trichlorofluoromethane
 Concen: 8.916 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. -0.00 min
 Lab File: VL034342.D
 Acq: 24 Oct 2019 9:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:101 Resp: 1621178
 Ion Ratio Lower Upper
 101 100
 103 68.2 54.5 81.7

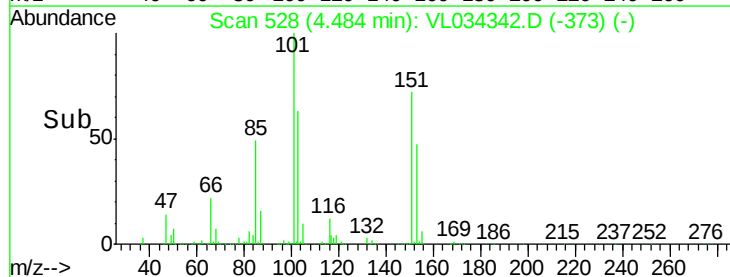
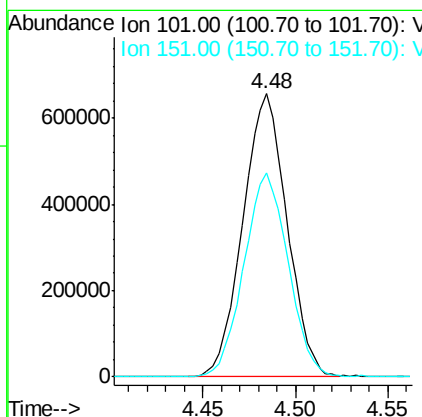
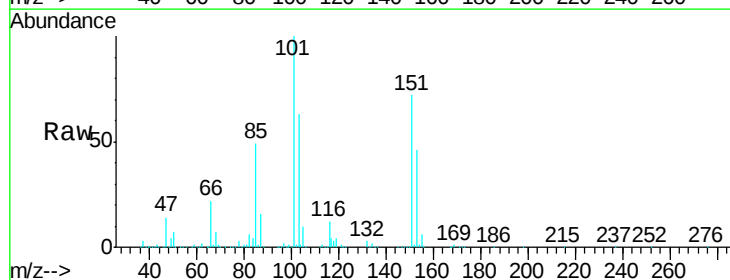
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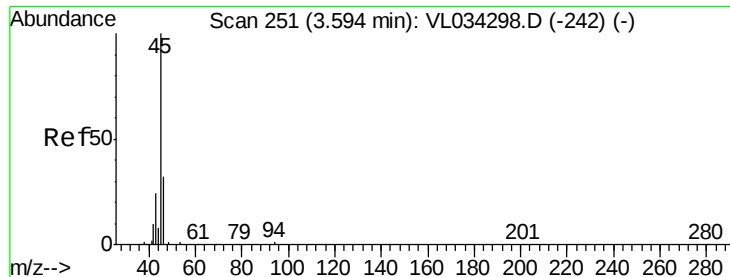
MMDadoda
 10/28/2019 9:42:55 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.137 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VL034342.D
 Acq: 24 Oct 2019 9:50

Tgt Ion:101 Resp: 1088438
 Ion Ratio Lower Upper
 101 100
 151 72.4 57.4 86.2





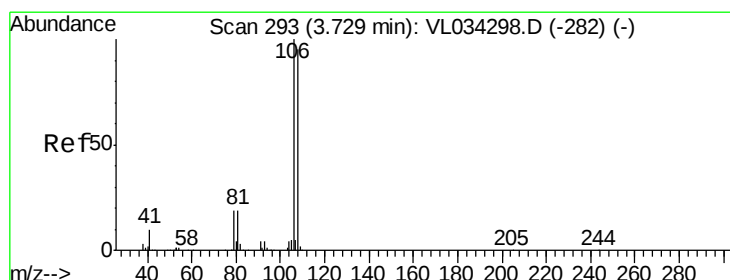
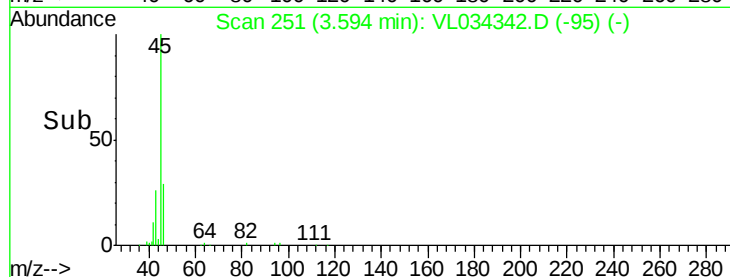
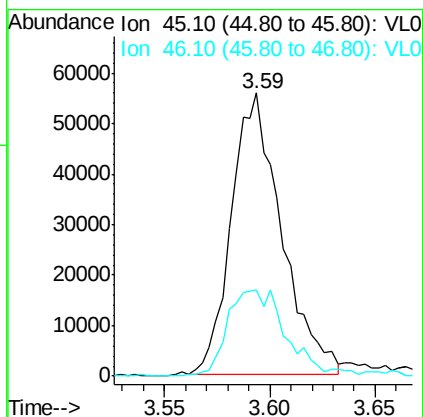
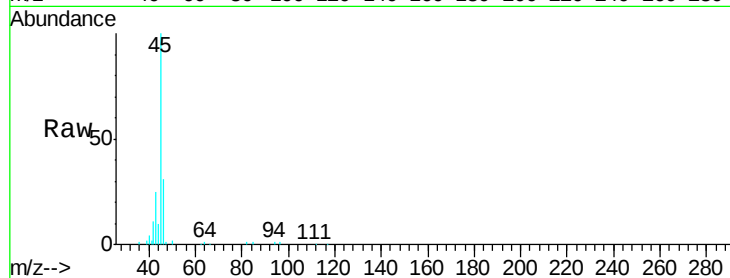
#13
Ethanol
Concen: 7.105 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.00 min
Lab File: VL034342.D
Acq: 24 Oct 2019 9:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 91815
Ion Ratio Lower Upper
45 100
46 37.3 15.8 63.2

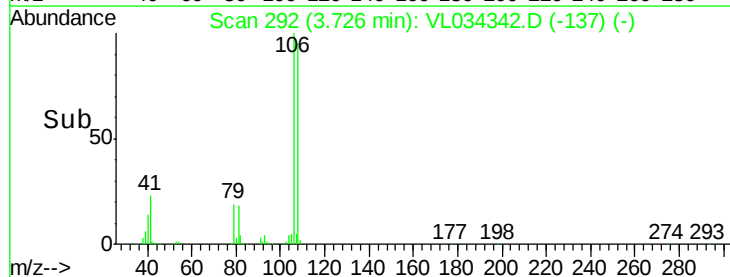
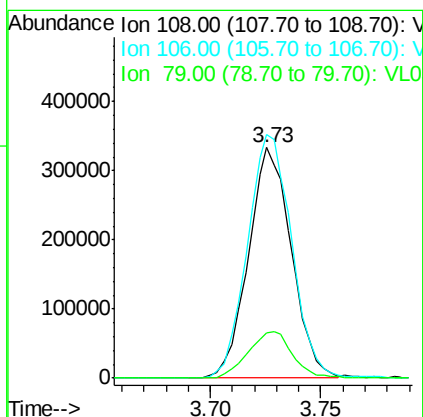
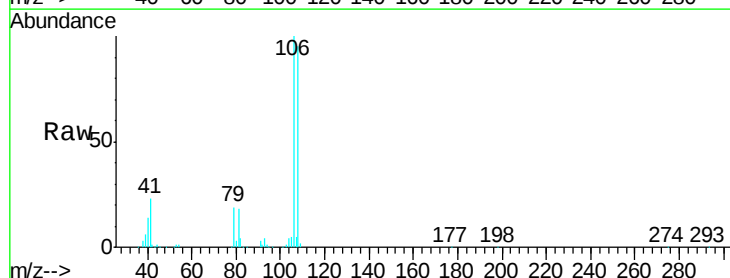
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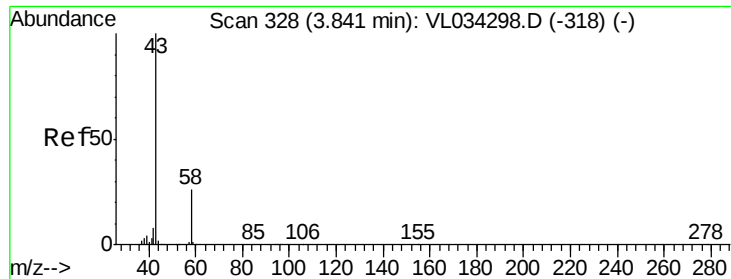
MMDadoda
10/28/2019 9:42:55 AM



#14
Bromoethene
Concen: 9.567 ppbv
RT: 3.73 min Scan# 292
Delta R.T. -0.00 min
Lab File: VL034342.D
Acq: 24 Oct 2019 9:50

Tgt Ion: 108 Resp: 448688
Ion Ratio Lower Upper
108 100
106 109.6 84.8 127.2
79 21.0 17.0 25.4





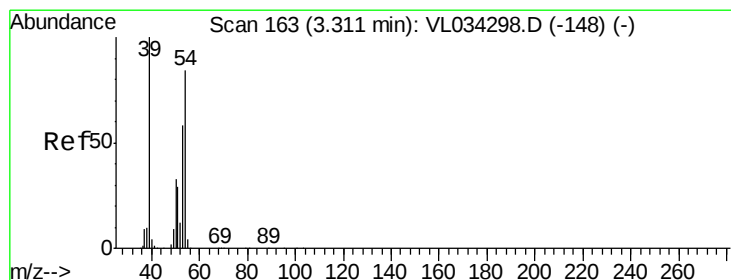
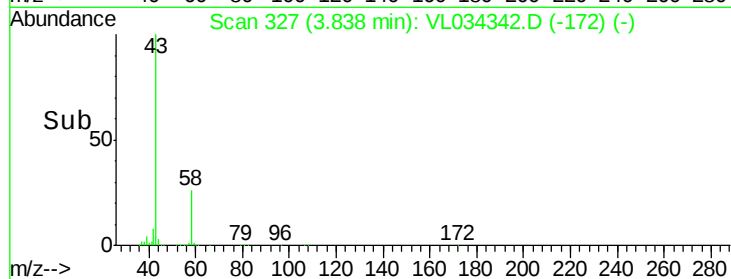
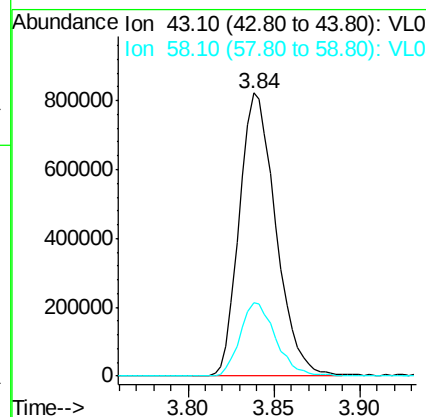
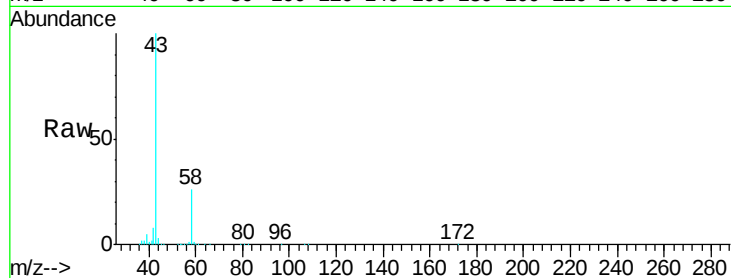
#15
Acetone
Concen: 7.629 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.00 min
Lab File: VL034342.D
Acq: 24 Oct 2019 9:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1212172
Ion Ratio Lower Upper
43 100
58 25.7 20.4 30.6

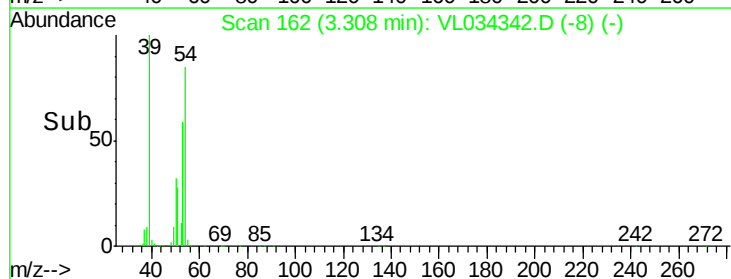
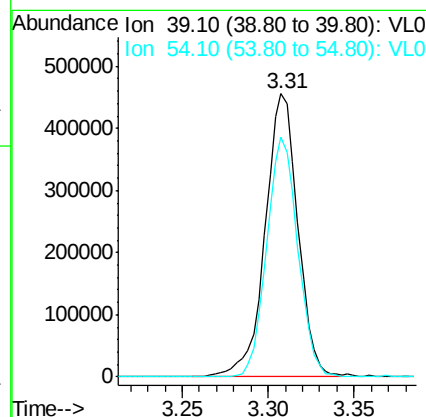
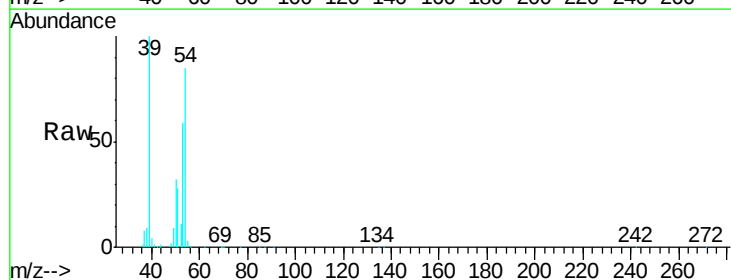
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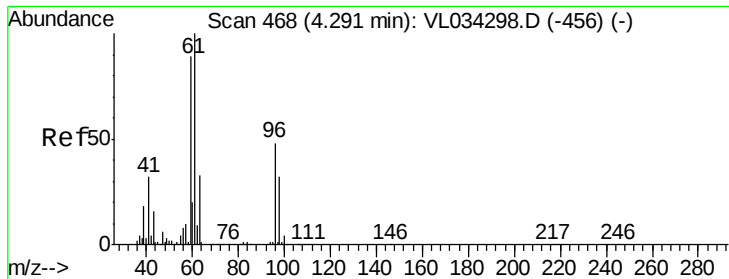
MMDadoda
10/28/2019 9:42:55 AM



#16
1,3-Butadiene
Concen: 9.289 ppbv
RT: 3.31 min Scan# 162
Delta R.T. -0.00 min
Lab File: VL034342.D
Acq: 24 Oct 2019 9:50

Tgt Ion: 39 Resp: 599687
Ion Ratio Lower Upper
39 100
54 80.7 63.9 95.9





#17

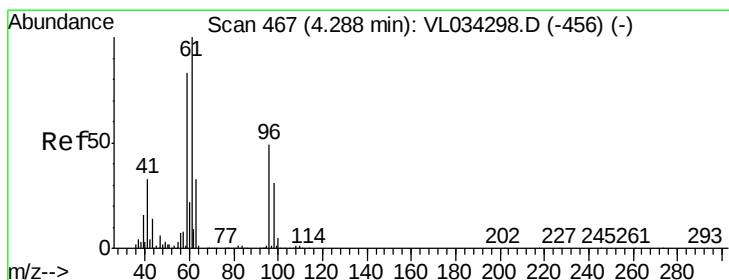
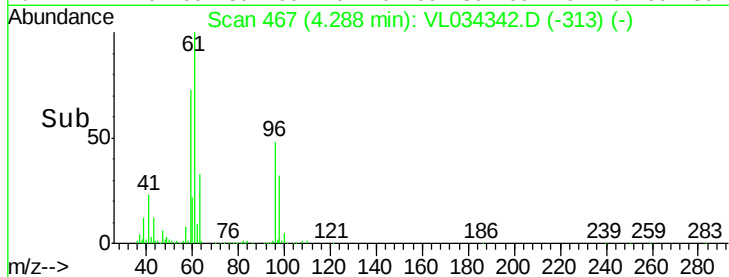
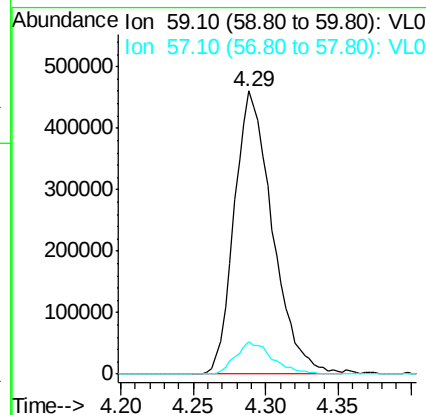
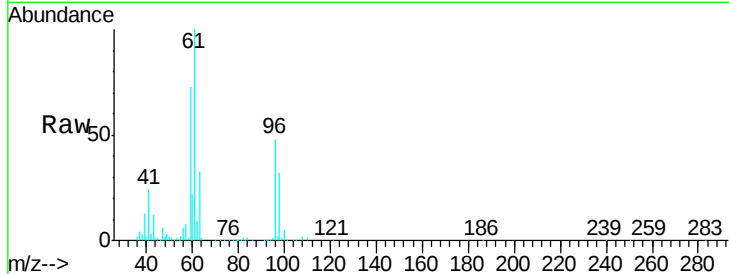
tert-Butyl alcohol
 Concen: 8.309 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. -0.00 min
 Lab File: VL034342.D
 Acq: 24 Oct 2019 9:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 59 Resp: 842620
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.8 13.2

Manual Integrations
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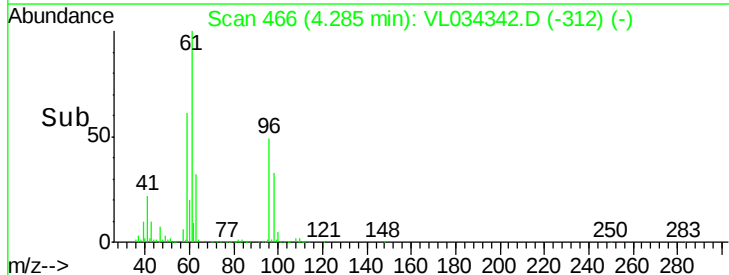
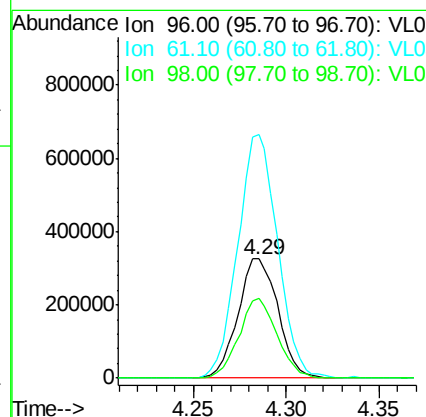
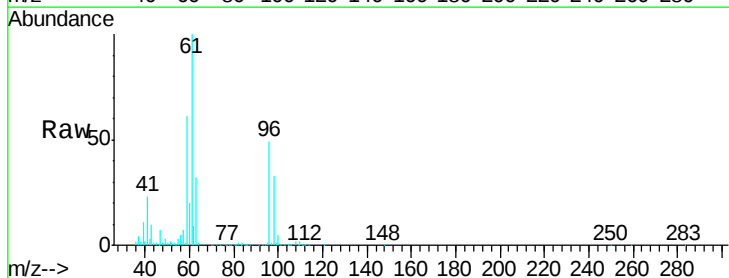
MMDadoda
 10/28/2019 9:42:55 AM

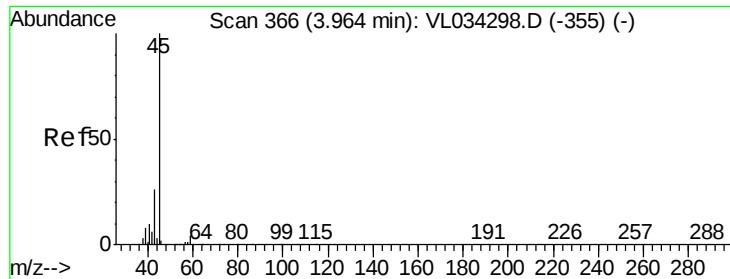


#18

1,1-Dichloroethene
 Concen: 9.385 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VL034342.D
 Acq: 24 Oct 2019 9:50

Tgt Ion: 96 Resp: 489502
 Ion Ratio Lower Upper
 96 100
 61 203.7 164.5 246.7
 98 66.4 51.7 77.5





#19

Isopropyl Alcohol

Concen: 7.703 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.00 min

Lab File: VL034342.D

Acq: 24 Oct 2019 9:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 45 Resp: 682798

Ion Ratio Lower Upper

45 100

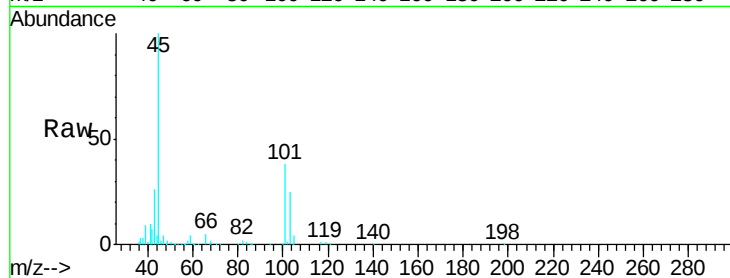
58 2.0 1.4 2.2

Manual Integrations

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

400000

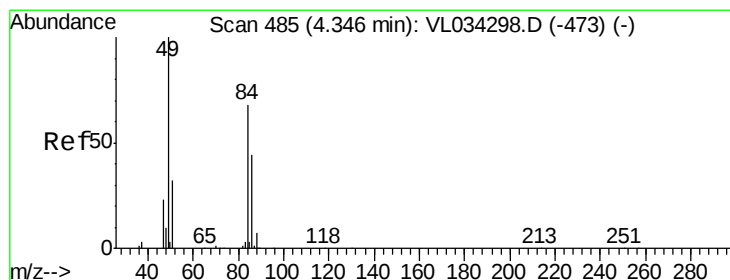
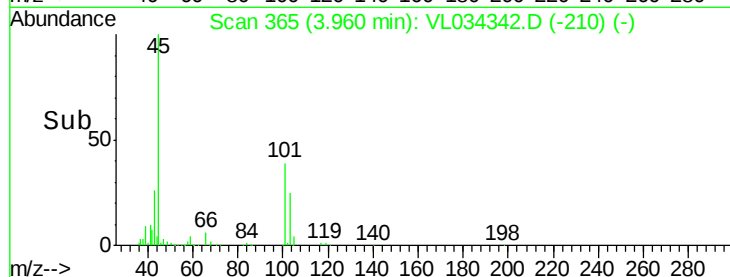
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 7.740 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL034342.D

Acq: 24 Oct 2019 9:50

Tgt Ion: 84 Resp: 444612

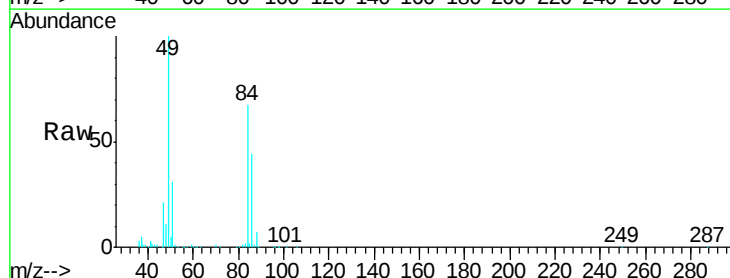
Ion Ratio Lower Upper

84 100

49 147.5 118.5 177.7

51 46.2 38.8 58.2

86 65.0 51.7 77.5



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

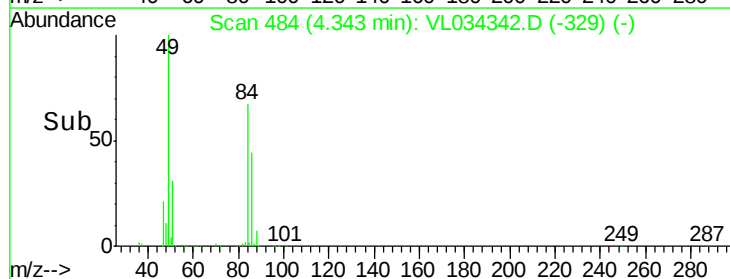
600000

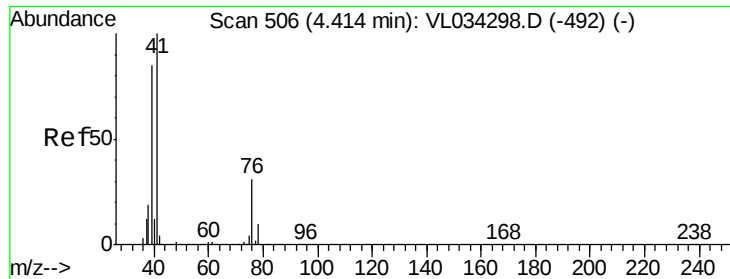
400000

200000

0

Time-->





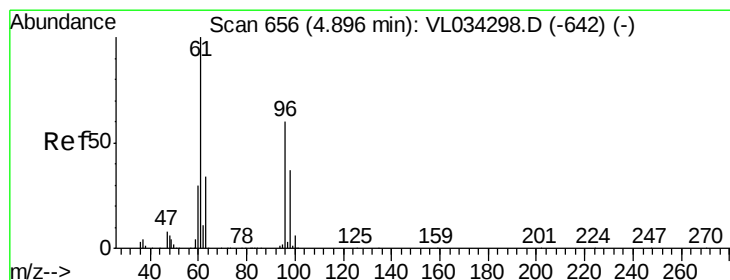
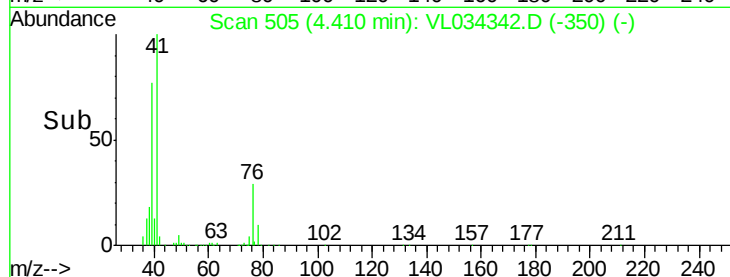
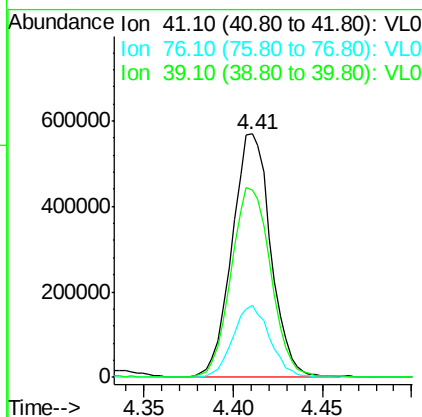
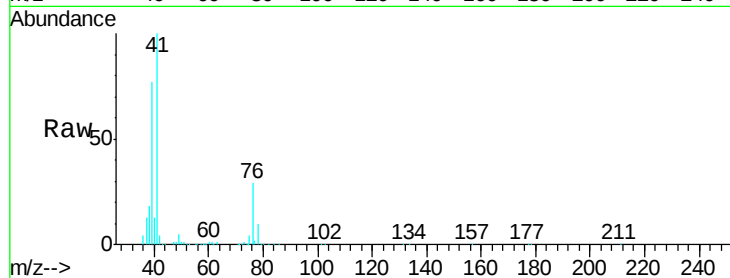
#21
 Allyl Chloride
 Concen: 9.748 ppbv
 RT: 4.41 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: VL034342.D
 Acq: 24 Oct 2019 9:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
41	100		
76	28.6	22.8	34.2
39	80.3	66.0	99.0

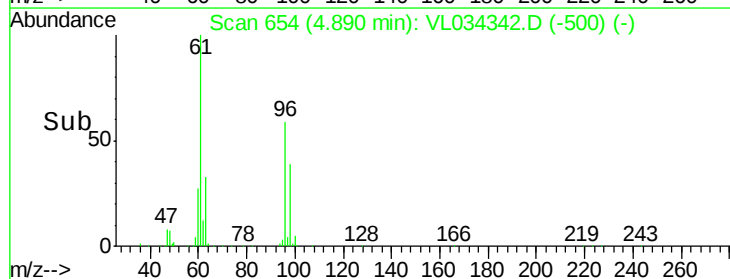
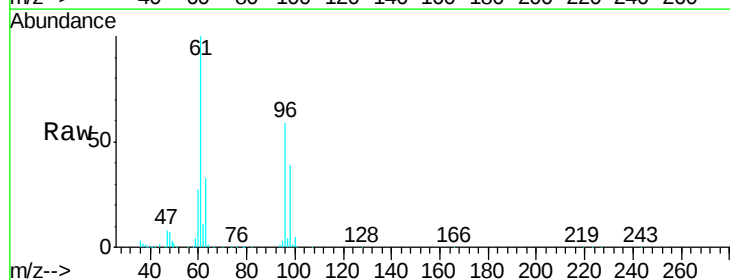
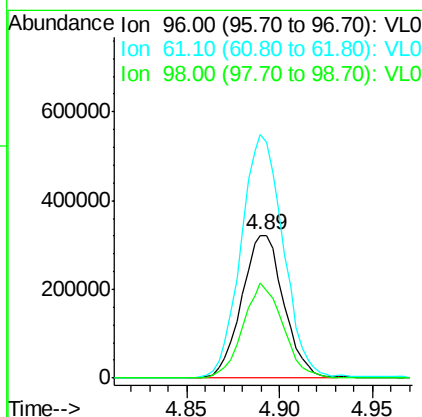
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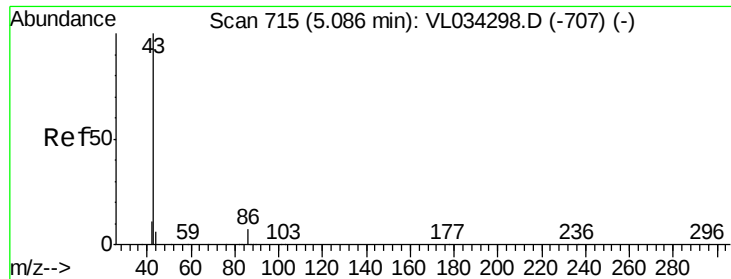
MMDadoda
 10/28/2019 9:42:55 AM



#22
 trans-1,2-Dichloroethene
 Concen: 9.735 ppbv
 RT: 4.89 min Scan# 654
 Delta R.T. -0.01 min
 Lab File: VL034342.D
 Acq: 24 Oct 2019 9:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.6	133.8	200.6
98	66.5	49.4	74.0





#23

Vinyl Acetate

Concen: 9.727 ppbv

RT: 5.08 min Scan# 714

Delta R.T. -0.00 min

Lab File: VL034342.D

Acq: 24 Oct 2019 9:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 1930023

Ion Ratio Lower Upper

43 100

86 7.1 5.0 7.4

42 10.8 8.6 13.0

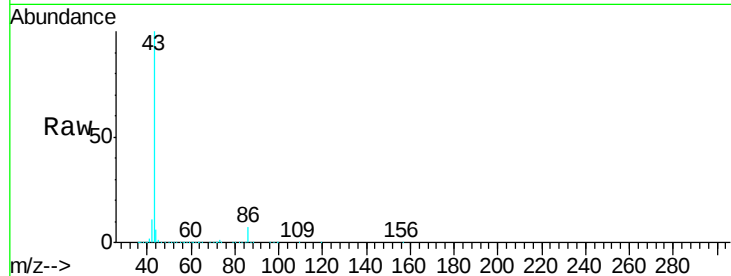
44 5.6 4.8 7.2

Manual Integrations

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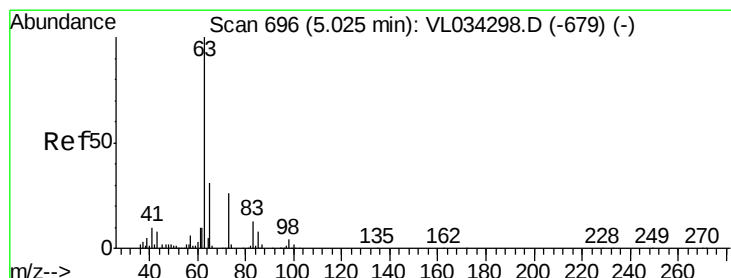
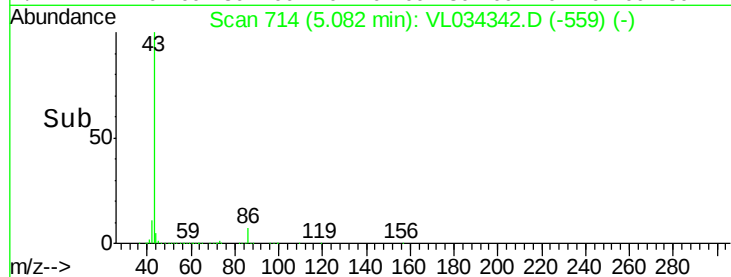
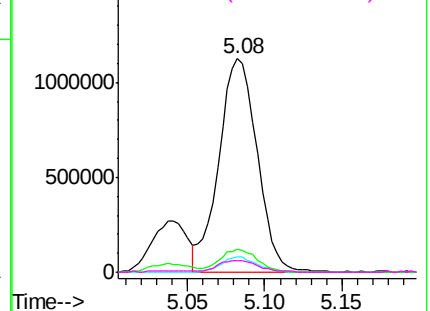


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.053 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.00 min

Lab File: VL034342.D

Acq: 24 Oct 2019 9:50

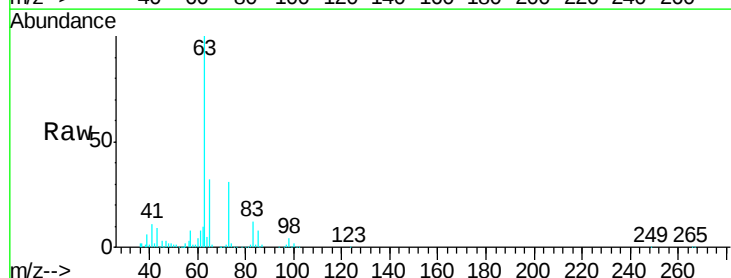
Tgt Ion: 63 Resp: 1333162

Ion Ratio Lower Upper

63 100

98 3.5 2.0 6.0

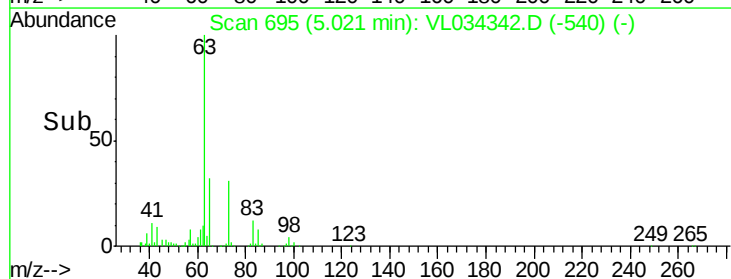
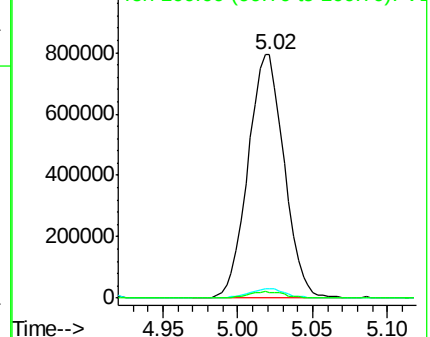
100 2.3 1.1 3.5

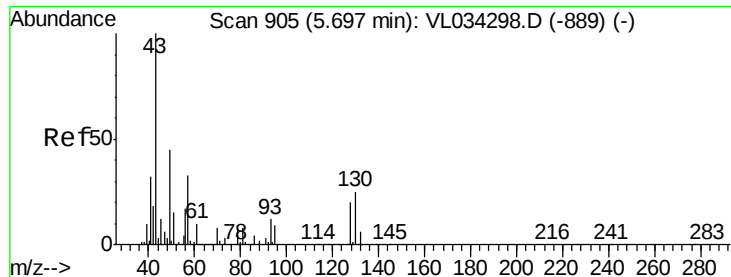


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 8.855 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.01 min

Lab File: VL034342.D

Acq: 24 Oct 2019 9:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2375433

Ion Ratio Lower Upper

43 100

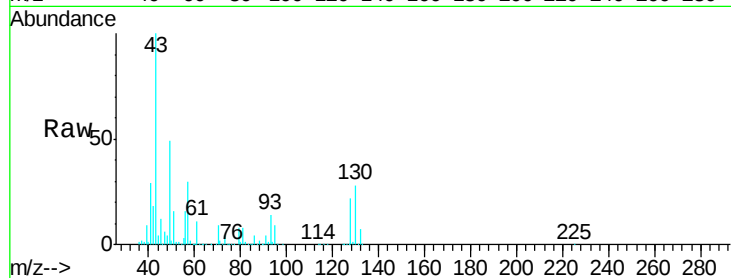
45 10.4 8.3 12.5

61 9.8 7.7 11.5

70 7.2 5.4 8.2

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MMDadoda
10/28/2019 9:42:55 AM

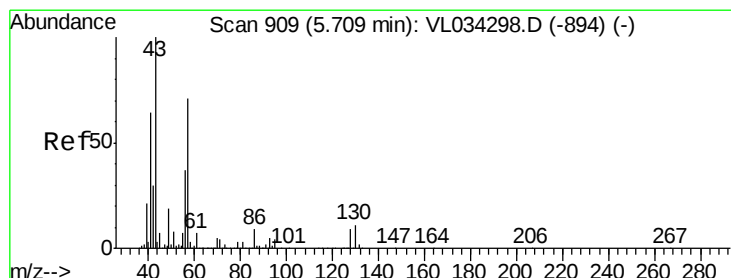
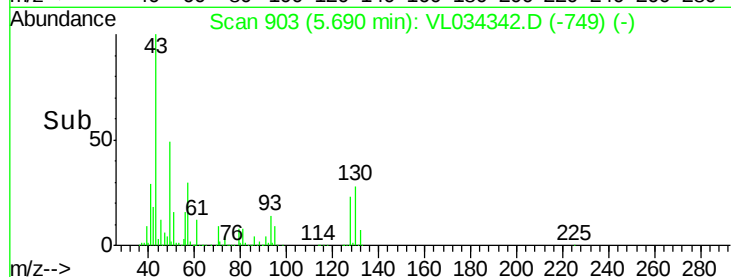
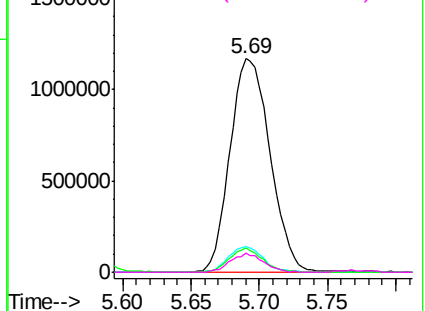


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.145 ppbv

RT: 5.70 min Scan# 907

Delta R.T. -0.01 min

Lab File: VL034342.D

Acq: 24 Oct 2019 9:50

Tgt Ion: 57 Resp: 1045639

Ion Ratio Lower Upper

57 100

41 94.8 76.5 114.7

43 229.3 188.5 282.7

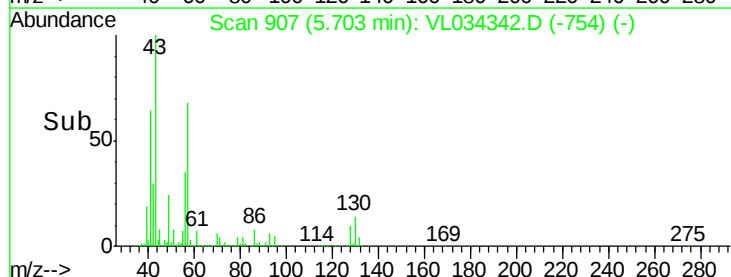
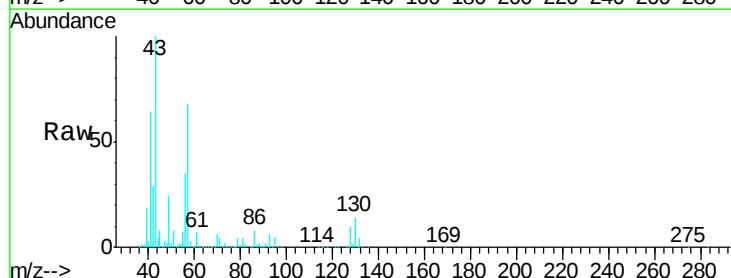
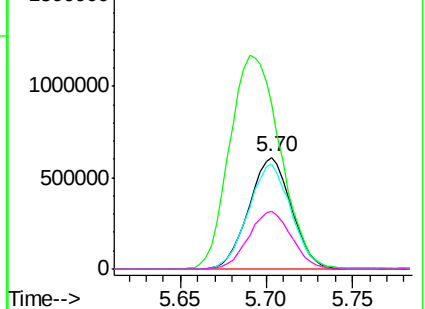
56 52.4 42.8 64.2

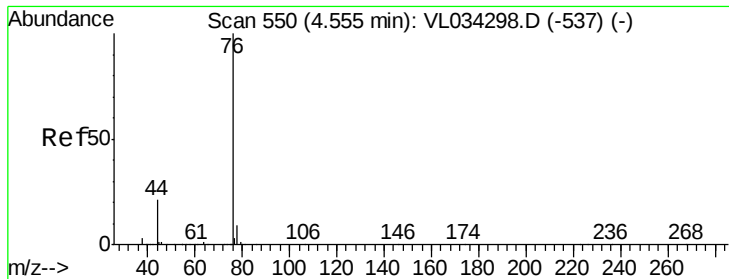
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.717 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.01 min

Lab File: VL034342.D

Acq: 24 Oct 2019 9:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 76 Resp: 1272122

Ion Ratio Lower Upper

76 100

44 19.9 17.3 25.9

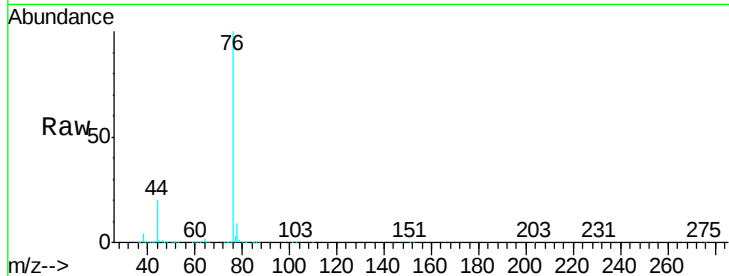
78 9.2 7.8 11.6

Manual Integrations

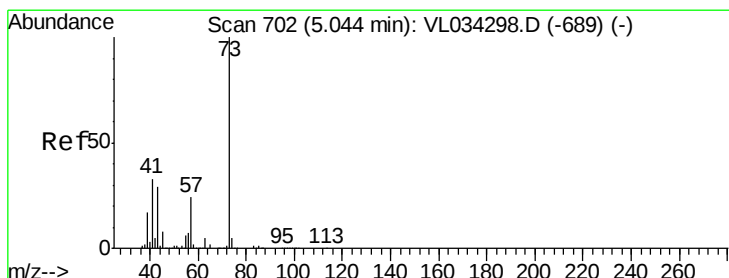
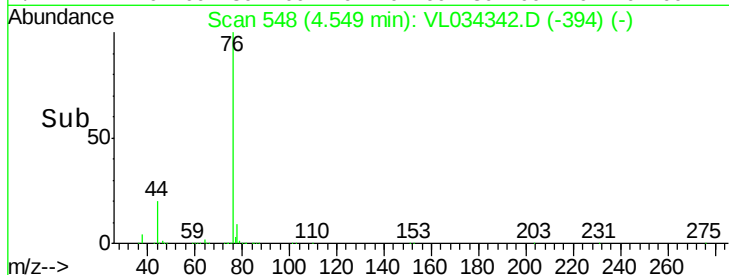
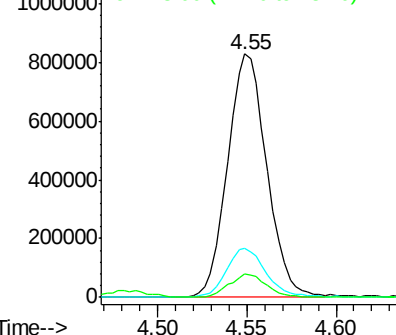
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.795 ppbv

RT: 5.04 min Scan# 700

Delta R.T. -0.01 min

Lab File: VL034342.D

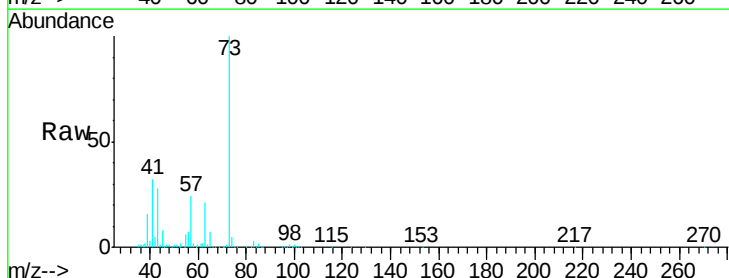
Acq: 24 Oct 2019 9:50

Tgt Ion: 73 Resp: 1694862

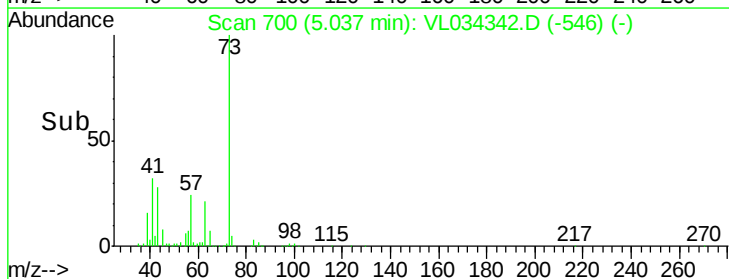
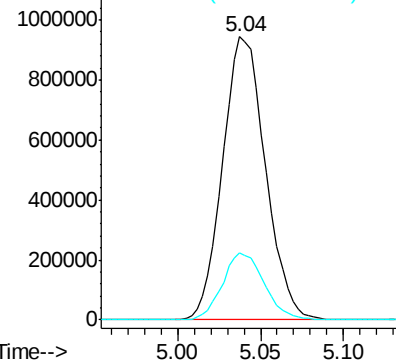
Ion Ratio Lower Upper

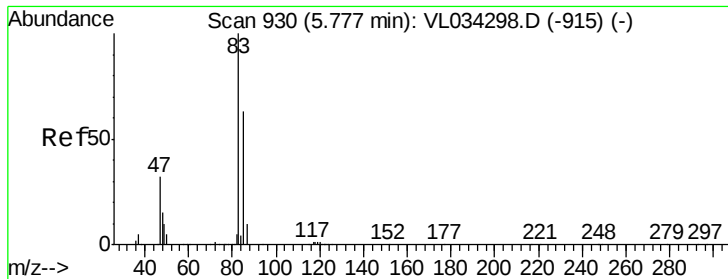
73 100

57 23.1 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





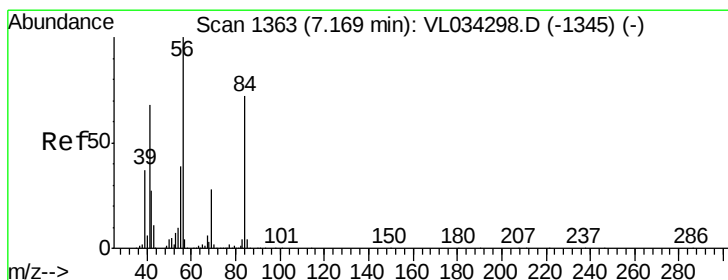
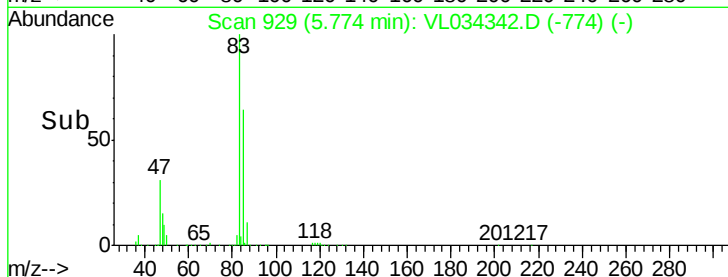
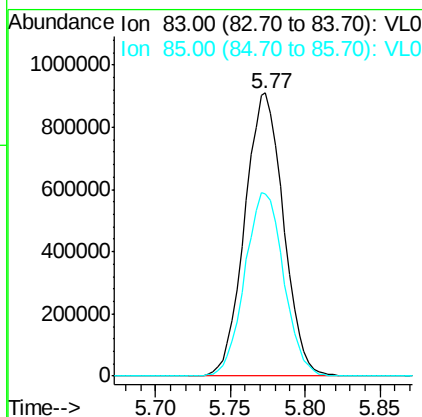
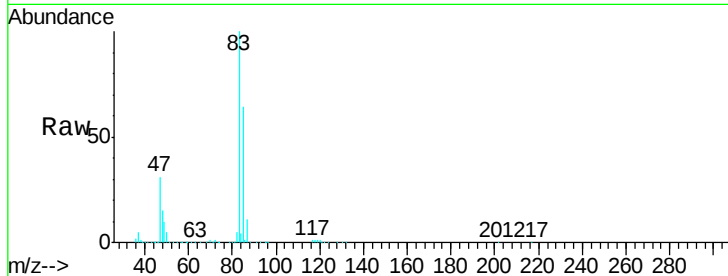
#29
Chloroform
Concen: 9.053 ppbv
RT: 5.77 min Scan# 929
Delta R.T. -0.00 min
Lab File: VL034342.D
Acq: 24 Oct 2019 9:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1637360
Ion Ratio Lower Upper
83 100
85 64.1 50.5 75.7

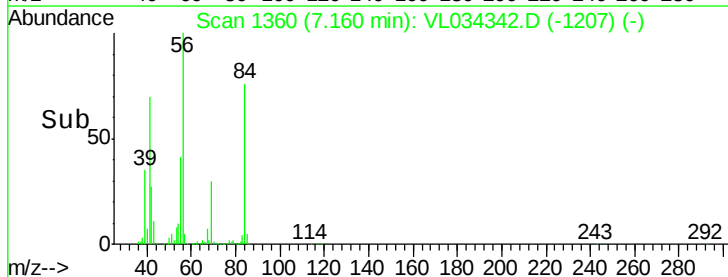
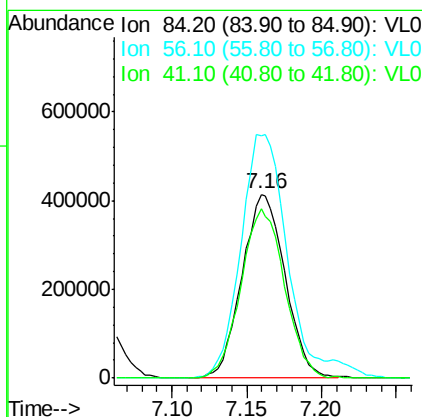
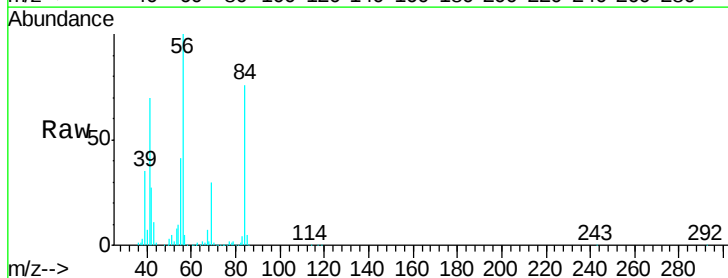
Manual Integrations
APPROVED

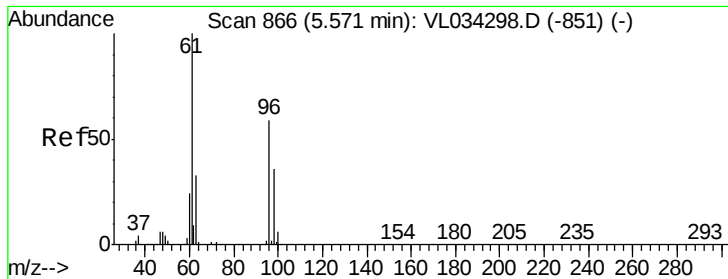
MMDadoda
10/28/2019 9:42:55 AM



#30
Cyclohexane
Concen: 9.901 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.01 min
Lab File: VL034342.D
Acq: 24 Oct 2019 9:50

Tgt Ion: 84 Resp: 832529
Ion Ratio Lower Upper
84 100
56 145.2 119.4 179.0
41 92.9 78.7 118.1





#31

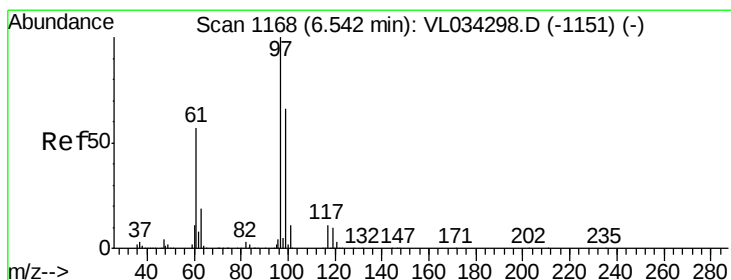
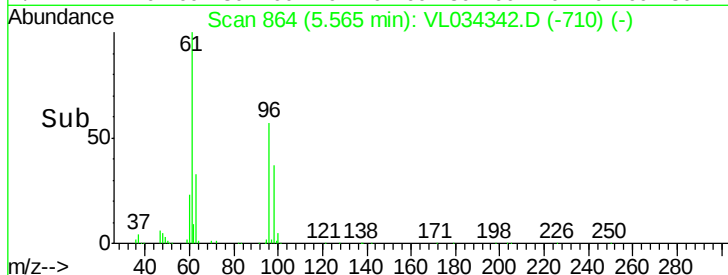
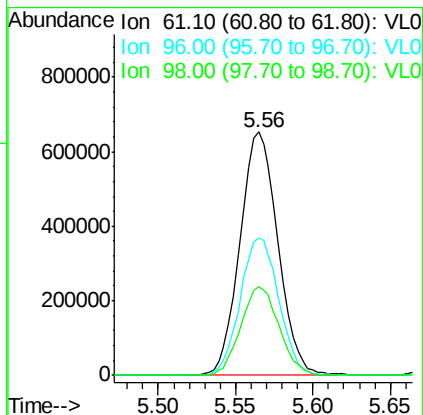
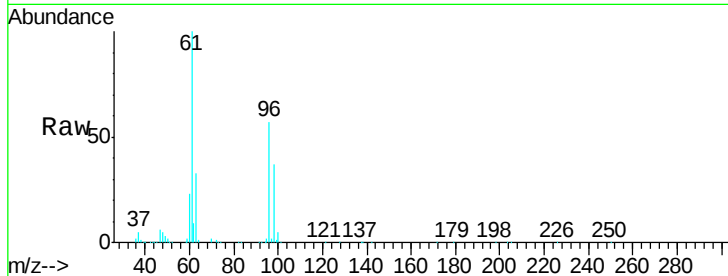
cis-1,2-Dichloroethene
 Concen: 9.575 ppbv
 RT: 5.56 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VL034342.D
 Acq: 24 Oct 2019 9:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
61	100		
96	56.6	47.5	71.3
98	36.7	28.8	43.2

Manual Integrations
 APPROVED

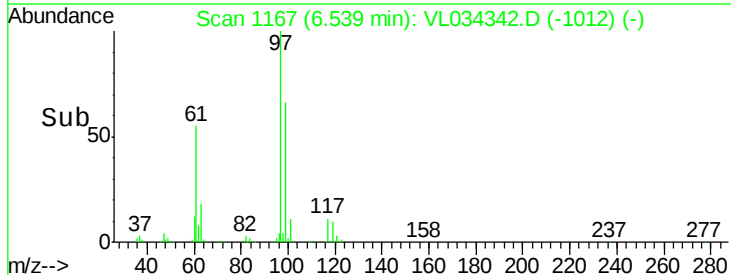
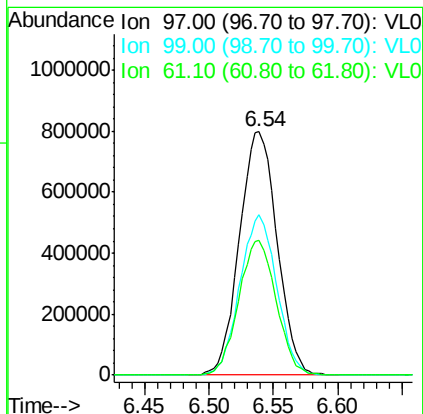
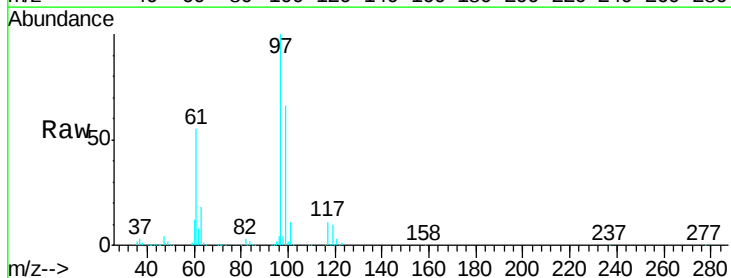
MMDadoda
 10/28/2019 9:42:55 AM

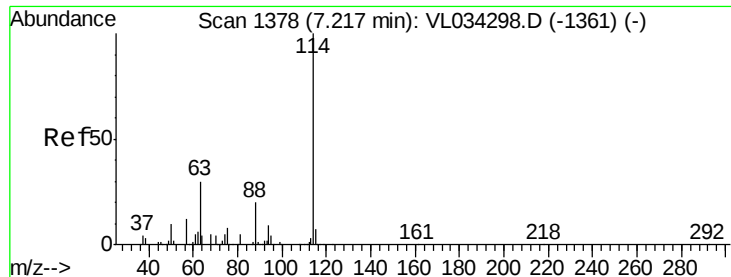


#32

1,1,1-Trichloroethane
 Concen: 9.252 ppbv
 RT: 6.54 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: VL034342.D
 Acq: 24 Oct 2019 9:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.6	78.8
61	55.0	44.5	66.7





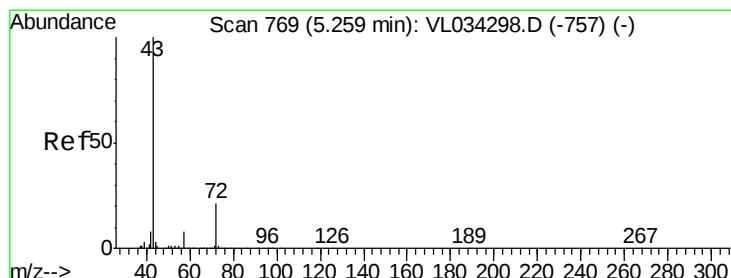
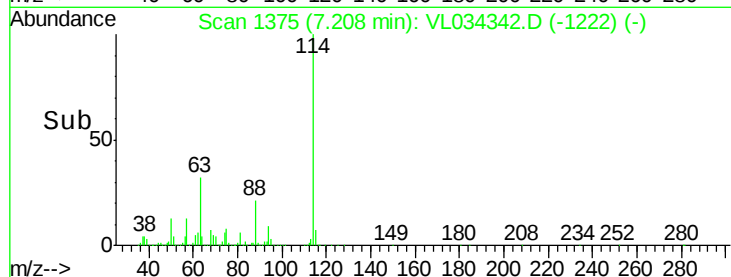
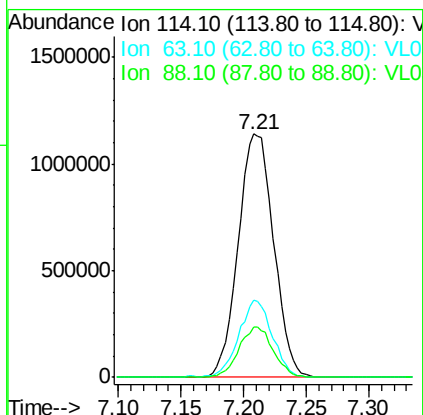
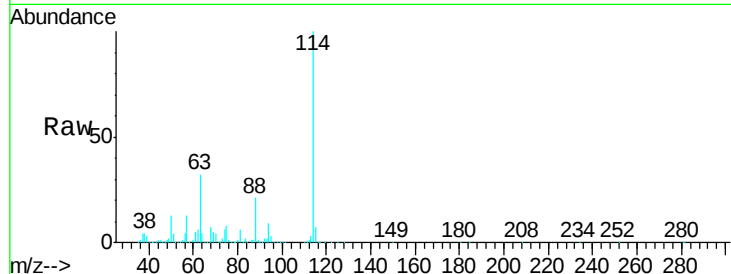
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VL034342.D
 Acq: 24 Oct 2019 9:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 114 Resp: 2241741
 Ion Ratio Lower Upper
 114 100
 63 30.4 25.2 37.8
 88 20.0 16.0 24.0

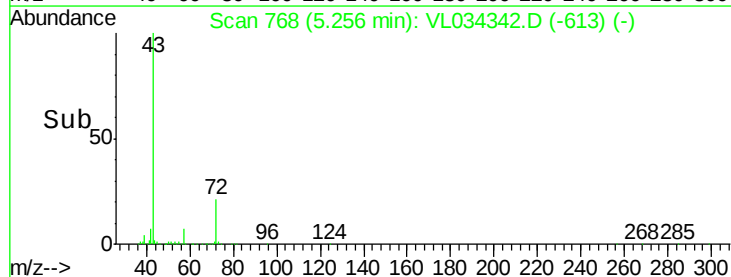
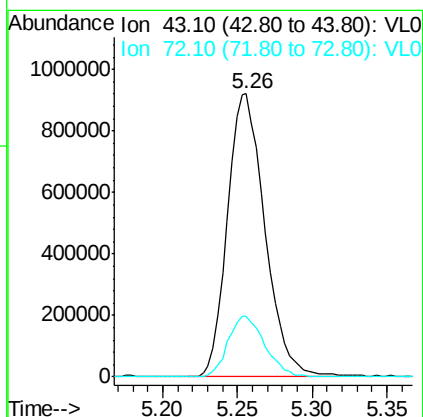
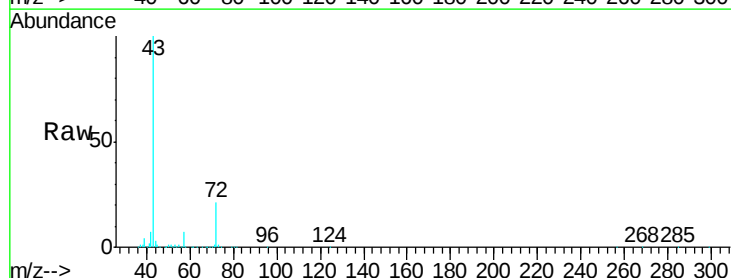
Manual Integrations
 APPROVED

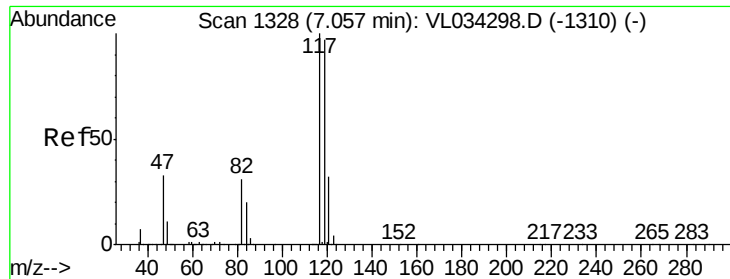
MMDadoda
 10/28/2019 9:42:55 AM



#34
 2-Butanone
 Concen: 8.732 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VL034342.D
 Acq: 24 Oct 2019 9:50

Tgt Ion: 43 Resp: 1599916
 Ion Ratio Lower Upper
 43 100
 72 21.3 16.3 24.5





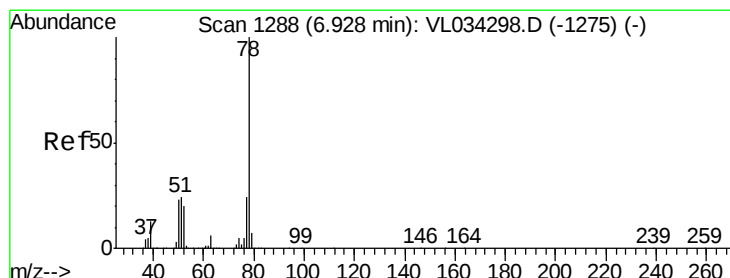
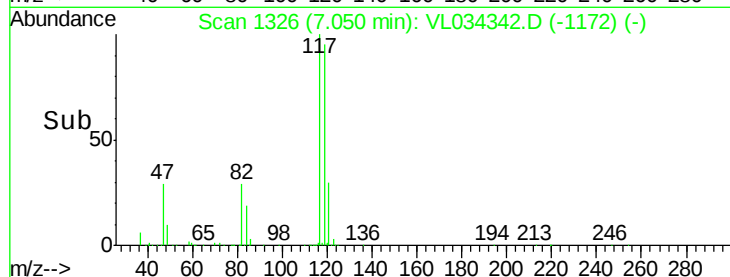
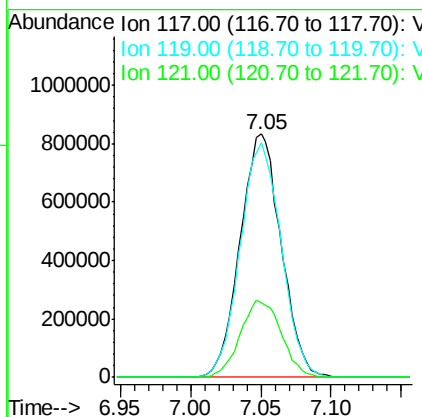
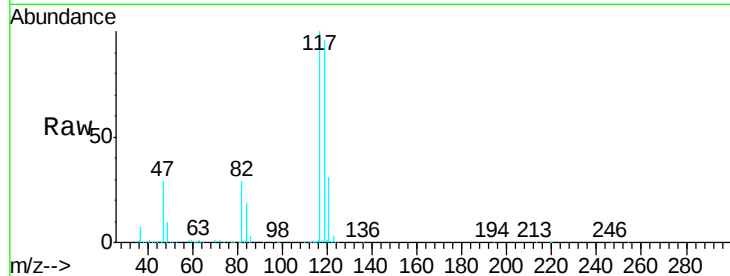
#35
Carbon Tetrachloride
Concen: 8.704 ppbv
RT: 7.05 min Scan# 1326
Delta R.T. -0.01 min
Lab File: VL034342.D
Acq: 24 Oct 2019 9:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 117 Resp: 1699493
Ion Ratio Lower Upper
117 100
119 96.2 77.3 115.9
121 30.5 25.5 38.3

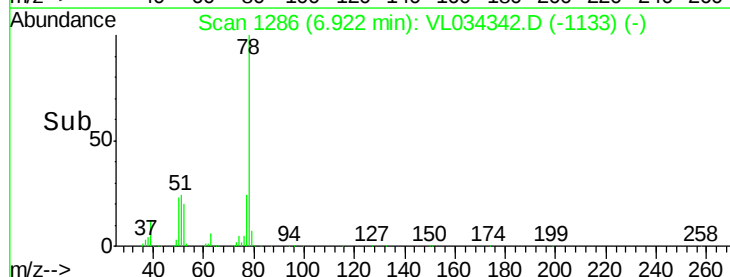
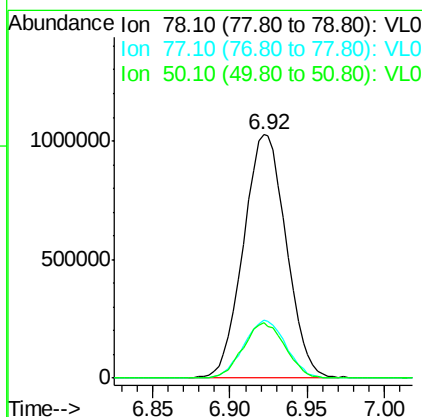
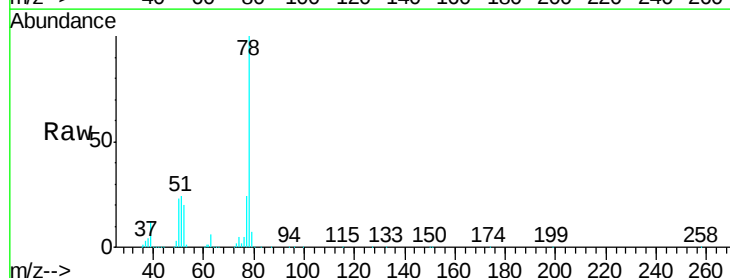
Manual Integrations
APPROVED

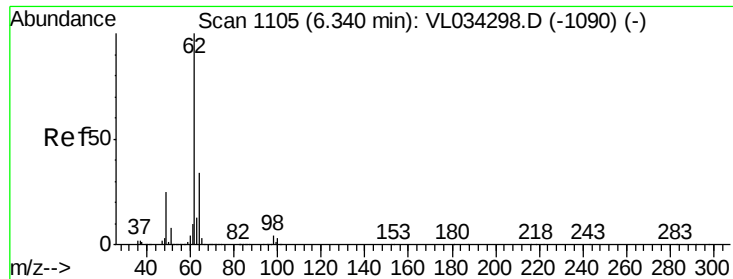
MMDadoda
10/28/2019 9:42:55 AM



#36
Benzene
Concen: 9.192 ppbv
RT: 6.92 min Scan# 1286
Delta R.T. -0.01 min
Lab File: VL034342.D
Acq: 24 Oct 2019 9:50

Tgt Ion: 78 Resp: 1977112
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.4
50 22.8 18.6 27.8





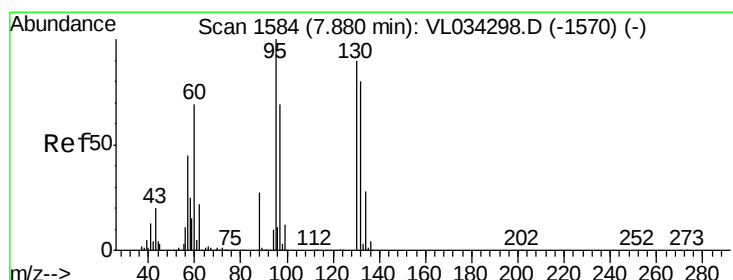
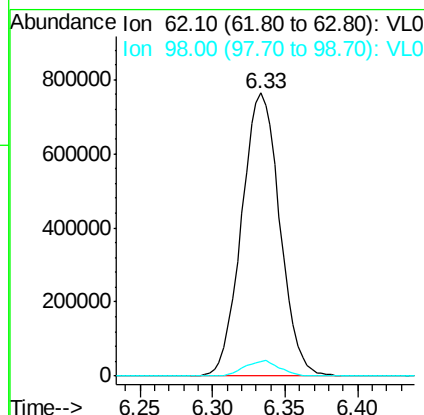
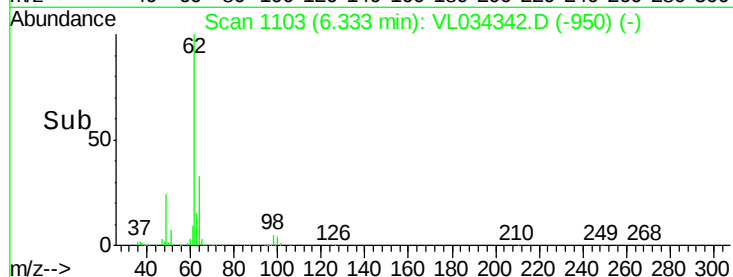
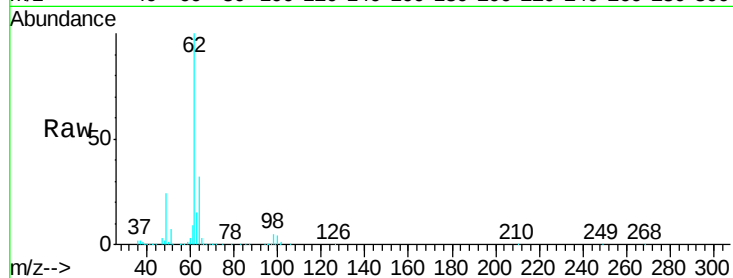
#37
 1,2-Dichloroethane
 Concen: 8.730 ppbv
 RT: 6.33 min Scan# 1103
 Delta R.T. -0.01 min
 Lab File: VL034342.D
 Acq: 24 Oct 2019 9:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 62 Resp: 1399464
 Ion Ratio Lower Upper
 62 100
 98 5.2 3.8 5.6

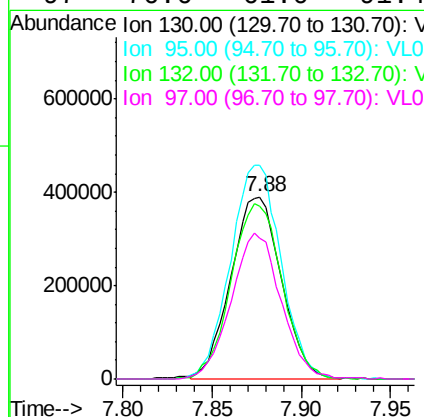
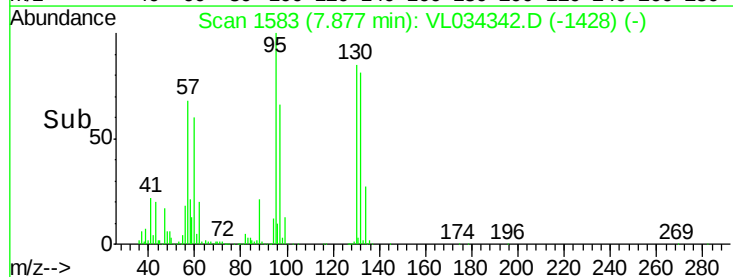
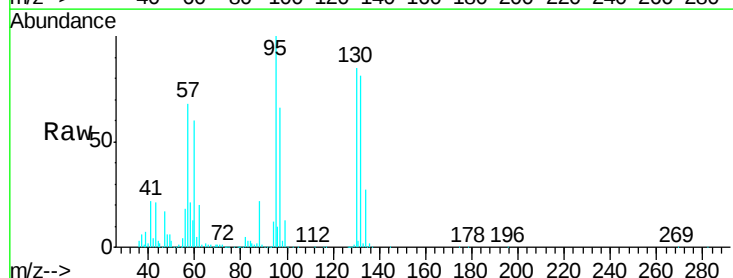
Manual Integrations
 APPROVED

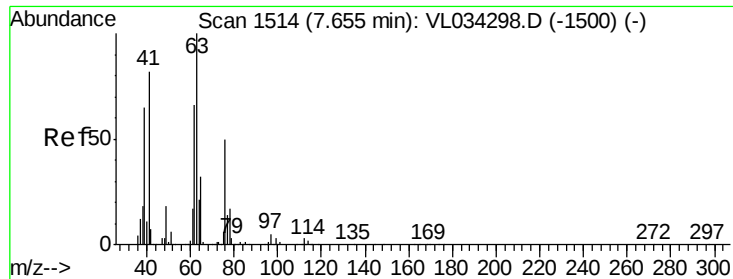
MMDadoda
 10/28/2019 9:42:55 AM



#38
 Trichloroethene
 Concen: 8.895 ppbv
 RT: 7.88 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VL034342.D
 Acq: 24 Oct 2019 9:50

Tgt Ion: 130 Resp: 767715
 Ion Ratio Lower Upper
 130 100
 95 117.3 88.6 132.8
 132 94.7 71.2 106.8
 97 76.6 61.0 91.4





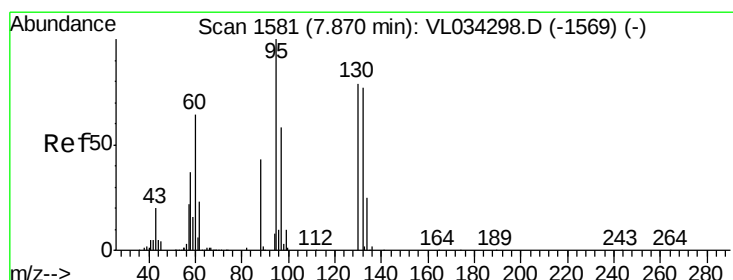
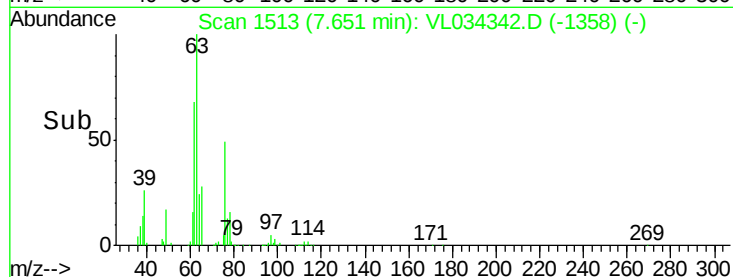
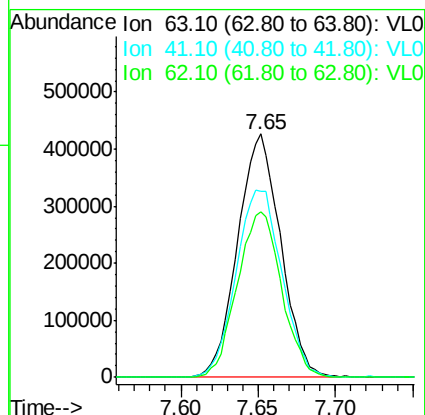
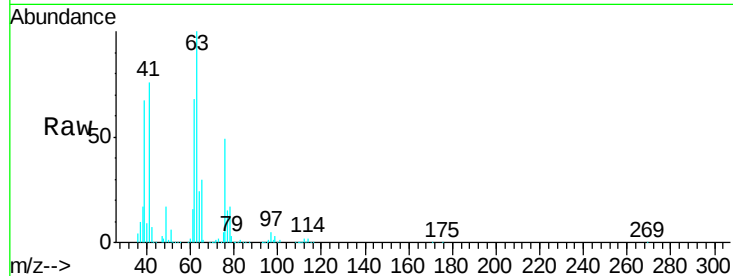
#39
 1,2-Dichloropropane
 Concen: 8.832 ppbv
 RT: 7.65 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VL034342.D
 Acq: 24 Oct 2019 9:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
63	100		
41	76.2	65.6	98.4
62	68.2	53.0	79.6

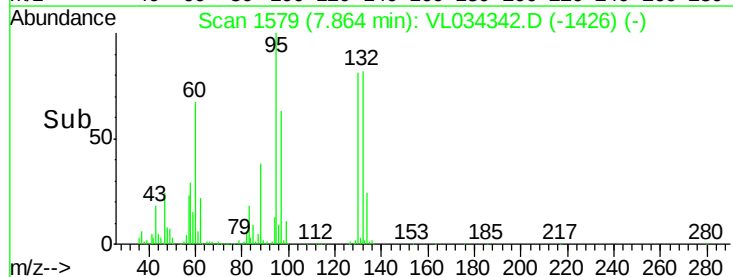
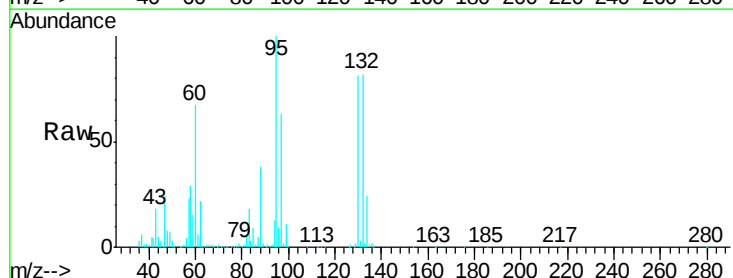
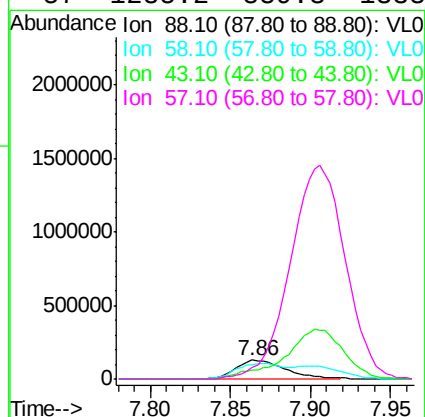
Manual Integrations
 APPROVED

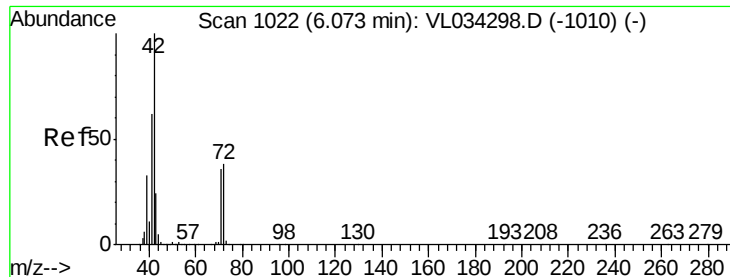
MMDadoda
 10/28/2019 9:42:55 AM



#40
 1,4-Dioxane
 Concen: 8.366 ppbv
 RT: 7.86 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: VL034342.D
 Acq: 24 Oct 2019 9:50

Tgt Ion	Ratio	Lower	Upper
88	100		
58	146.2	110.3	165.5
43	315.5	228.1	342.1
57	1285.2	889.3	1333.9





#41

Tetrahydrofuran

Concen: 9.191 ppbv

RT: 6.07 min Scan# 1020

Delta R.T. -0.01 min

Lab File: VL034342.D

Acq: 24 Oct 2019 9:50

Instrument :

MSVOA_L

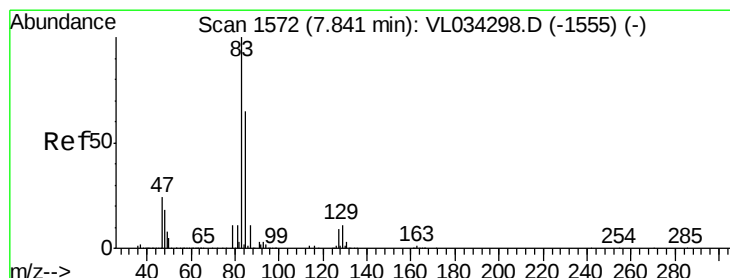
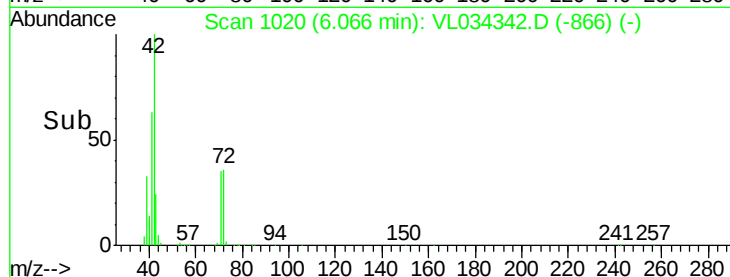
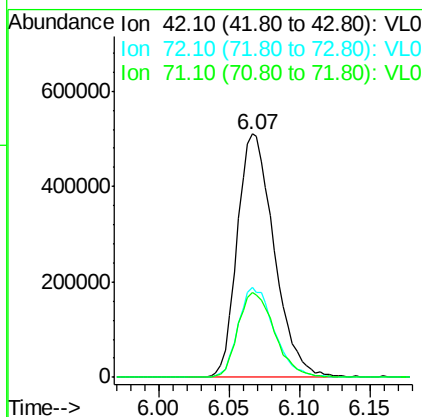
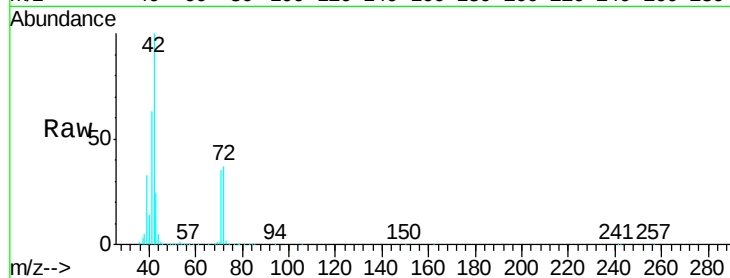
ClientSampleId :

VSTDCCC010

Tgt Ion:	42	Resp:	934650
Ion Ratio		Lower	Upper
42	100		
72	36.5	28.0	42.0
71	34.8	27.3	40.9

Manual Integrations
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MMDadoda
10/28/2019 9:42:55 AM



#42

Bromodichloromethane

Concen: 9.189 ppbv

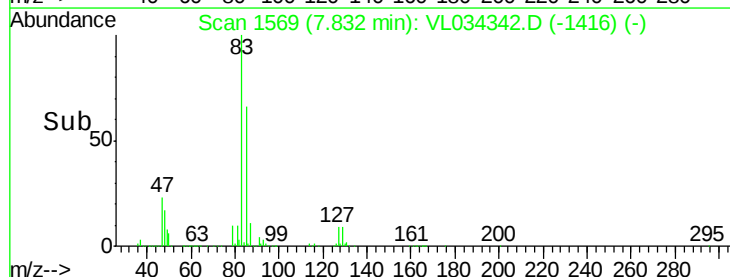
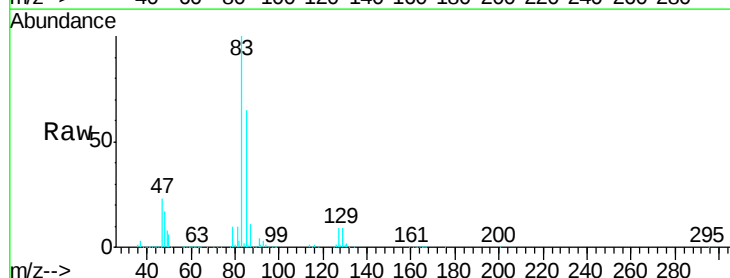
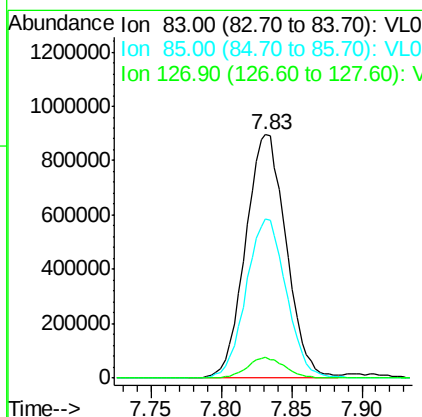
RT: 7.83 min Scan# 1569

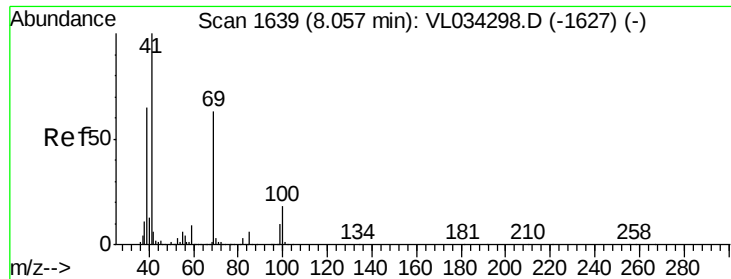
Delta R.T. -0.01 min

Lab File: VL034342.D

Acq: 24 Oct 2019 9:50

Tgt Ion:	83	Resp:	1804146
Ion Ratio		Lower	Upper
83	100		
85	65.4	51.8	77.6
127	8.8	7.0	10.6





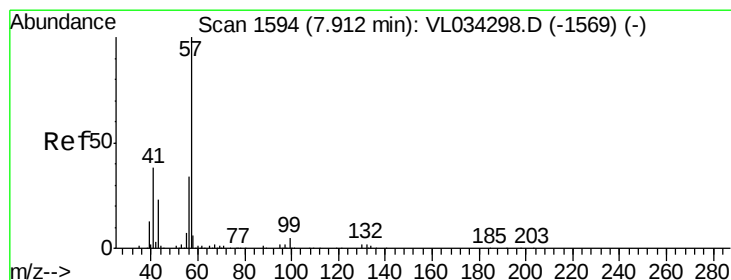
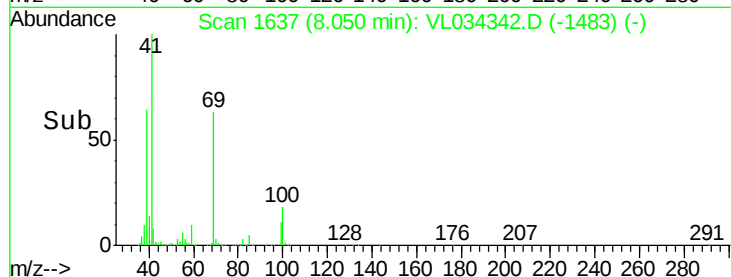
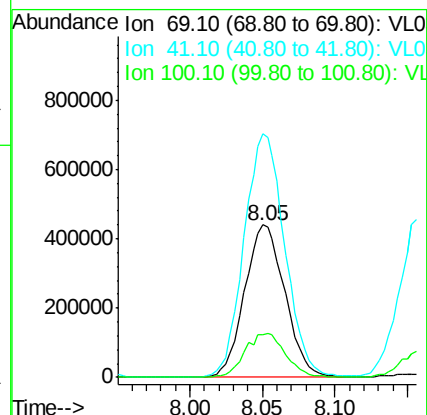
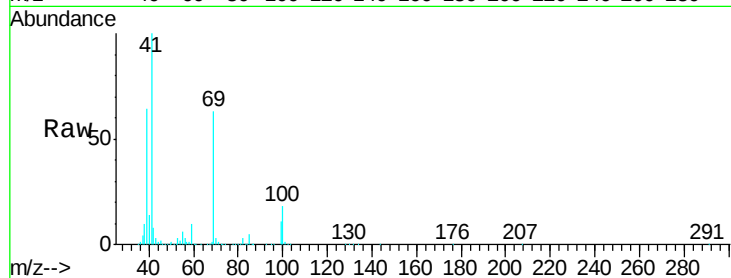
#43
Methyl Methacrylate
Concen: 9.572 ppbv
RT: 8.05 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VL034342.D
Acq: 24 Oct 2019 9:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
69	100		
41	160.8	132.1	198.1
100	29.2	23.2	34.8

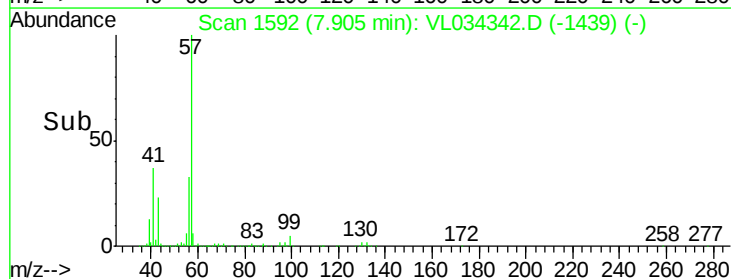
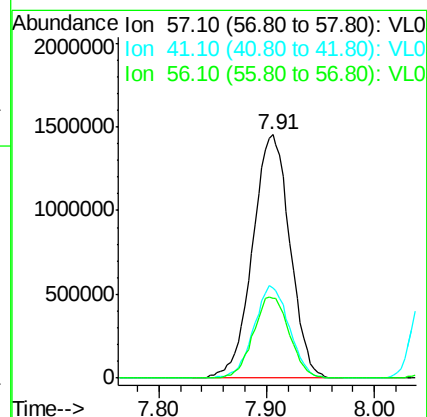
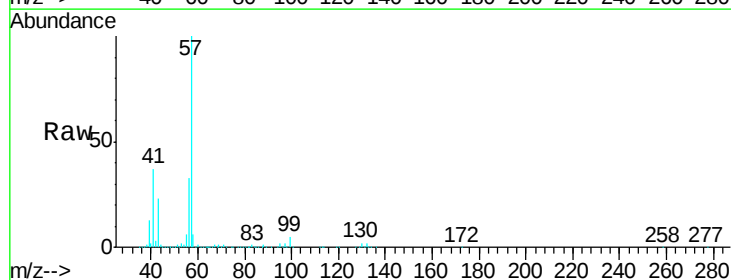
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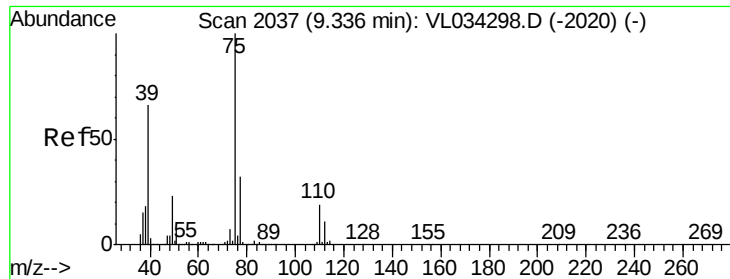
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#44
2,2,4-Trimethylpentane
Concen: 8.770 ppbv
RT: 7.91 min Scan# 1592
Delta R.T. -0.01 min
Lab File: VL034342.D
Acq: 24 Oct 2019 9:50

Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.8	29.3	43.9
56	32.1	25.3	37.9





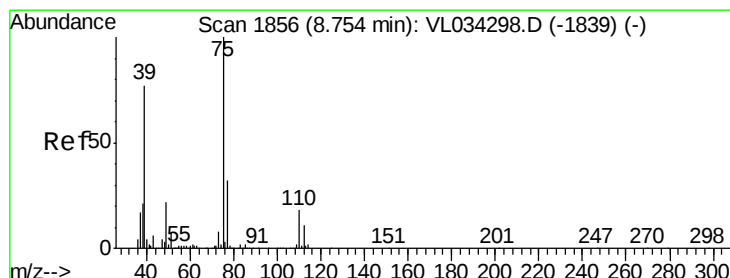
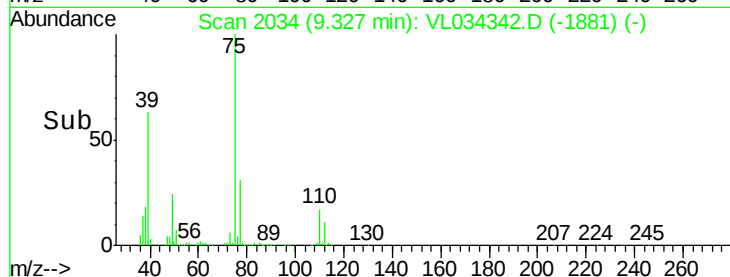
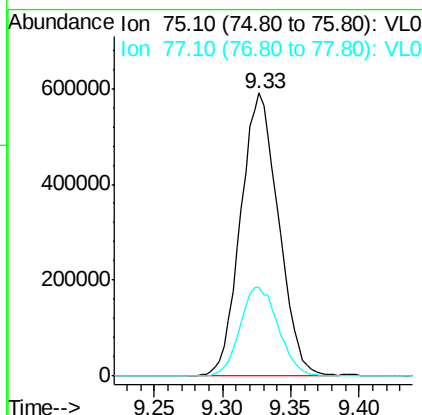
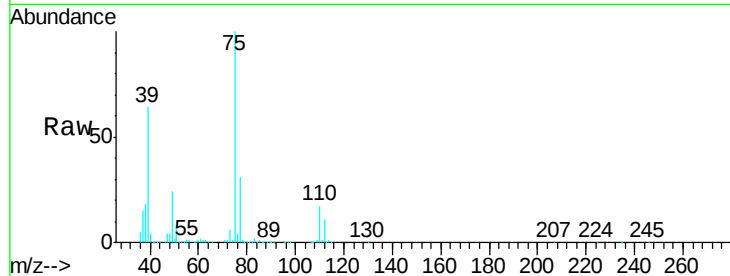
#45
t-1,3-Dichloropropene
Concen: 10.520 ppbv
RT: 9.33 min Scan# 2034
Delta R.T. -0.01 min
Lab File: VL034342.D
Acq: 24 Oct 2019 9:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 1140251
Ion Ratio Lower Upper
75 100
77 31.2 25.6 38.4

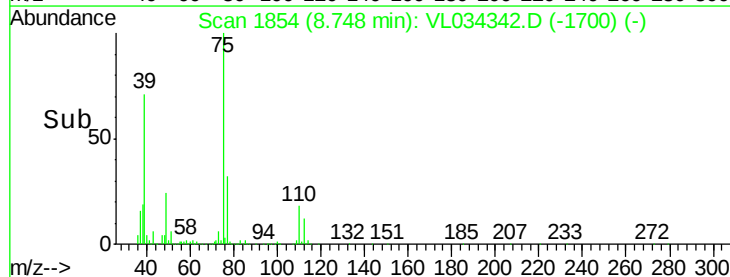
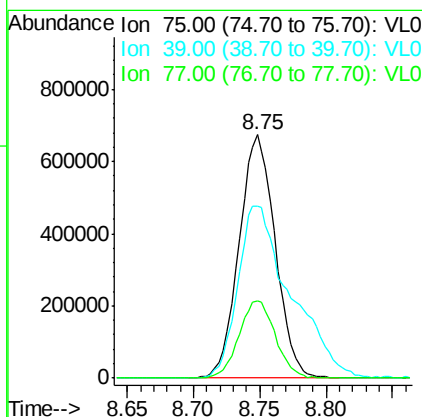
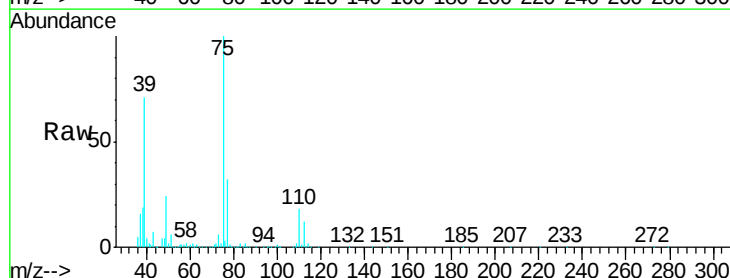
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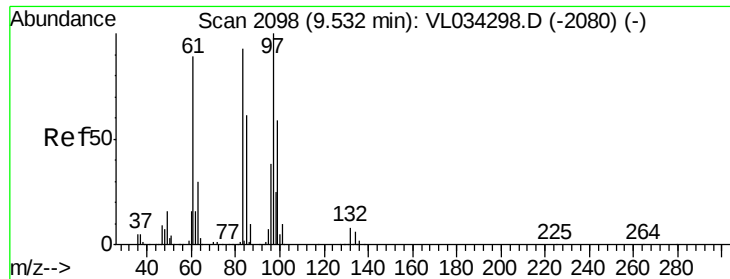
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#46
cis-1,3-Dichloropropene
Concen: 10.248 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VL034342.D
Acq: 24 Oct 2019 9:50

Tgt Ion: 75 Resp: 1276022
Ion Ratio Lower Upper
75 100
39 70.6 61.2 91.8
77 31.6 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 8.817 ppbv

RT: 9.52 min Scan# 2095

Delta R.T. -0.01 min

Lab File: VL034342.D

Acq: 24 Oct 2019 9:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 827124

Ion Ratio Lower Upper

97 100

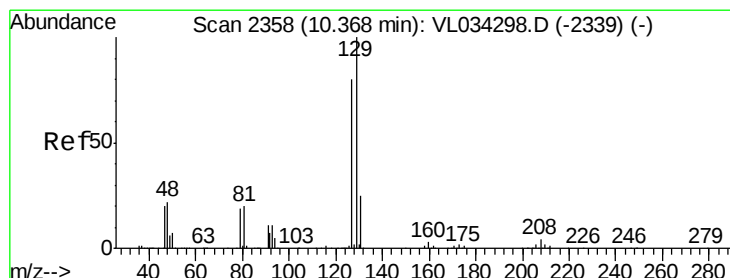
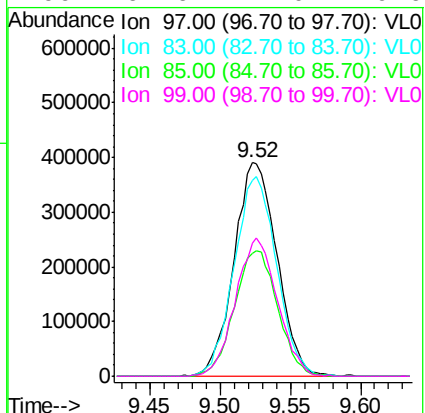
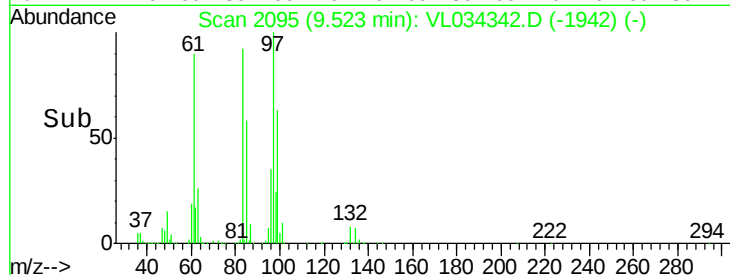
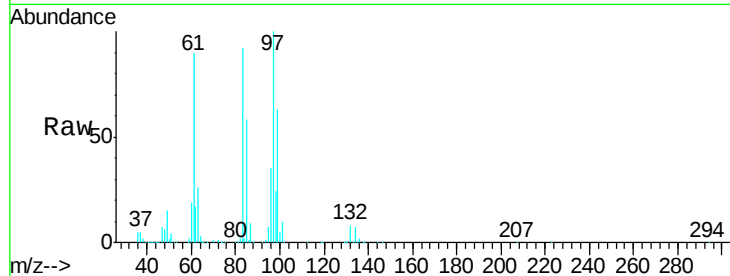
83 91.9 74.2 111.2

85 57.9 48.6 73.0

99 62.6 47.0 70.6

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#48

Dibromochloromethane

Concen: 9.757 ppbv

RT: 10.36 min Scan# 2355

Delta R.T. -0.01 min

Lab File: VL034342.D

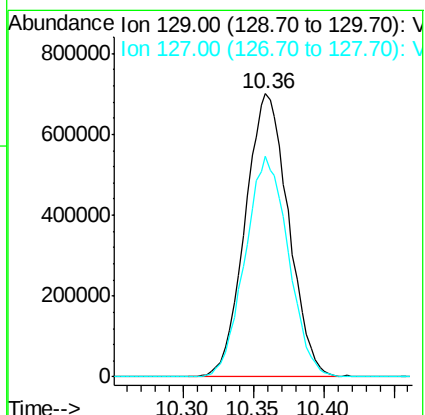
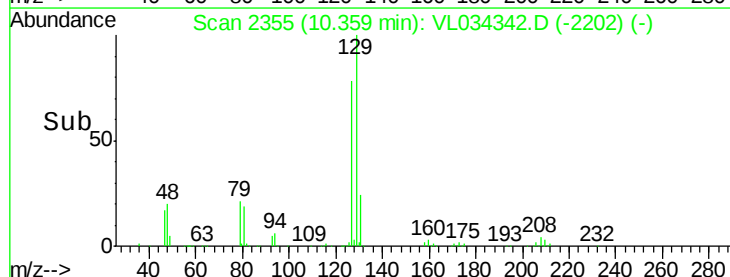
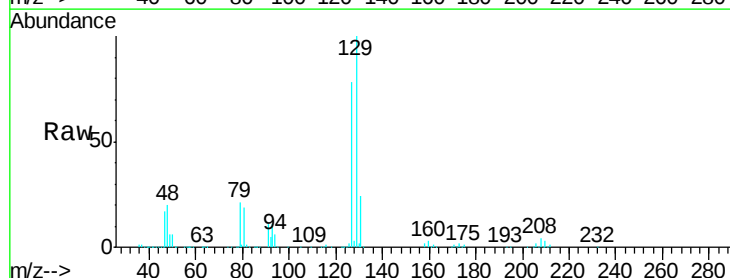
Acq: 24 Oct 2019 9:50

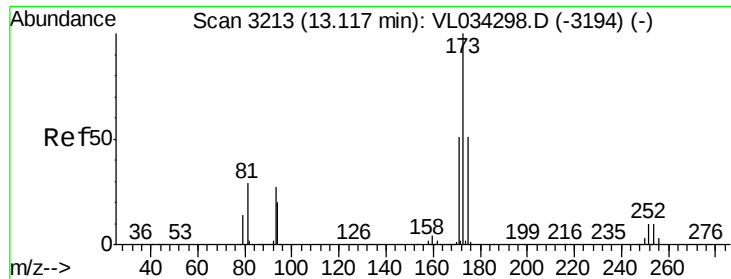
Tgt Ion: 129 Resp: 1501557

Ion Ratio Lower Upper

129 100

127 78.0 39.7 119.1





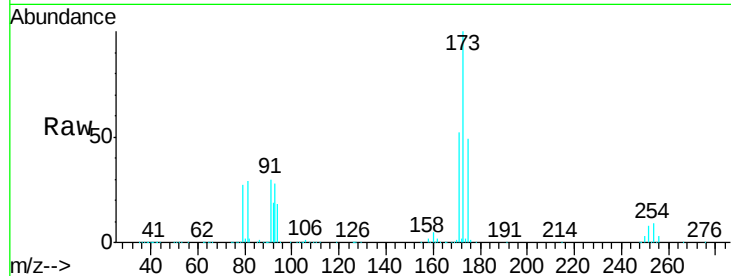
#49
Bromoform
Concen: 9.927 ppbv
RT: 13.11 min Scan# 3210
Delta R.T. -0.01 min
Lab File: VL034342.D
Acq: 24 Oct 2019 9:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

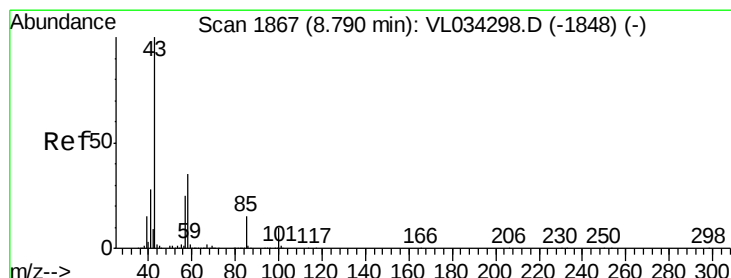
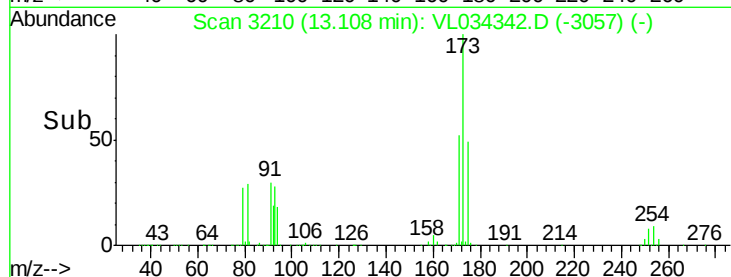
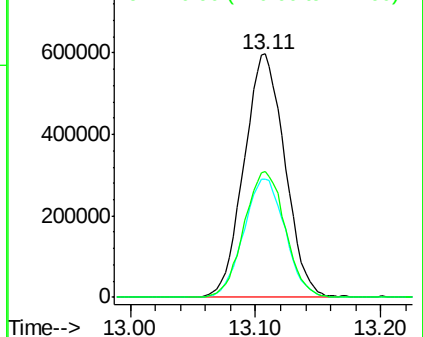
Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.5	39.8	59.6
171	52.0	41.8	62.6

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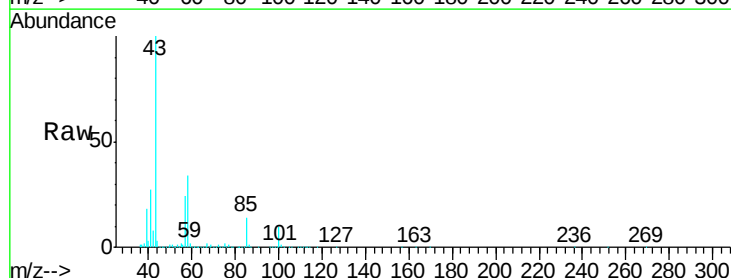


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

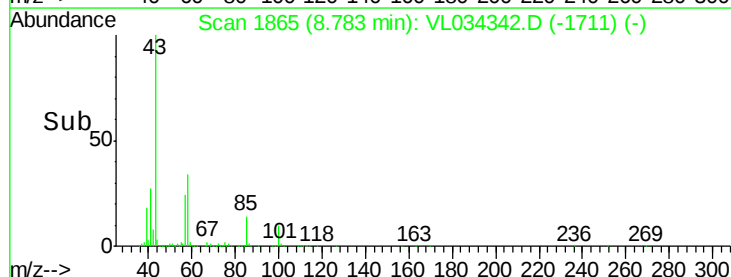
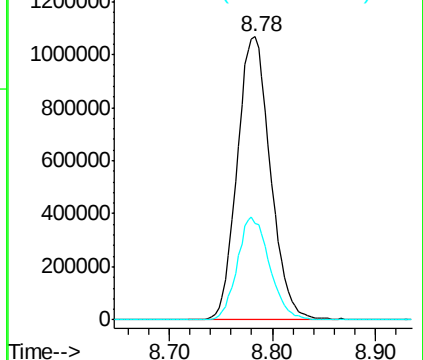


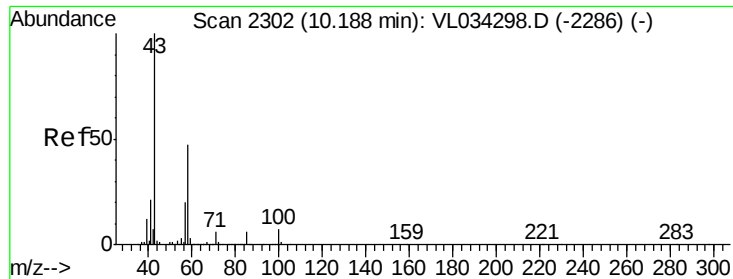
#50
4-Methyl-2-Pentanone
Concen: 9.110 ppbv
RT: 8.78 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VL034342.D
Acq: 24 Oct 2019 9:50

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.4	27.6	41.4



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





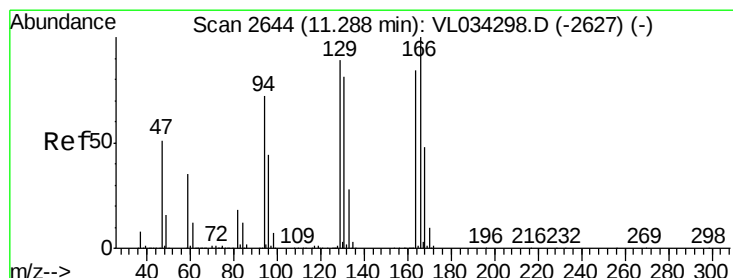
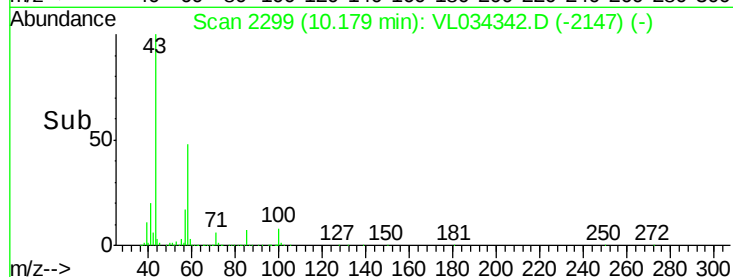
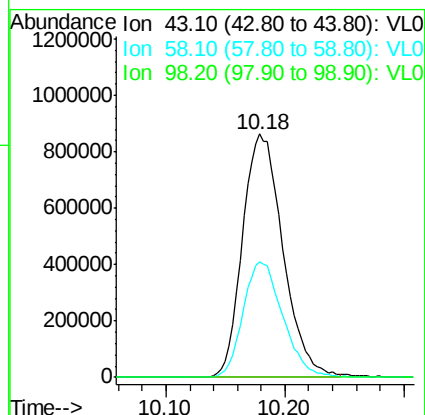
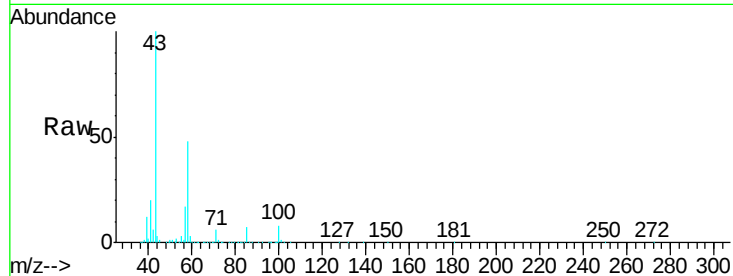
#51
2-Hexanone
Concen: 9.421 ppbv
RT: 10.18 min Scan# 2299
Delta R.T. -0.01 min
Lab File: VL034342.D
Acq: 24 Oct 2019 9:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2025933
Ion Ratio Lower Upper
43 100
58 46.7 37.0 55.6
98 0.1 0.2 0.2#

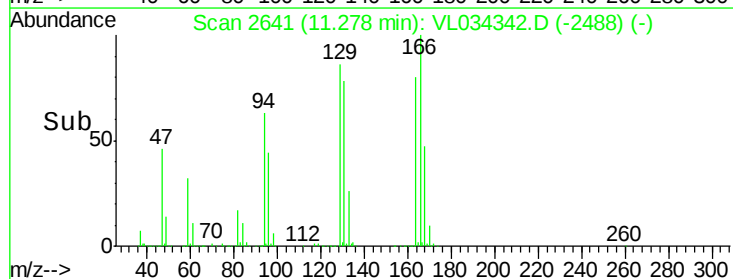
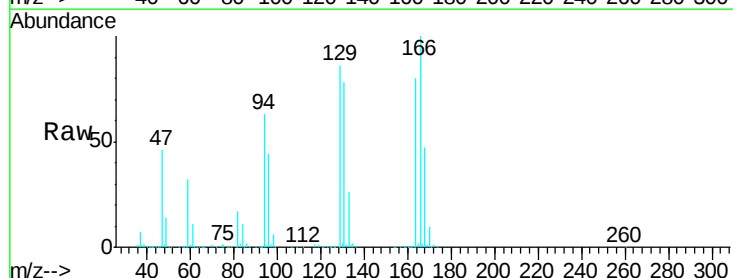
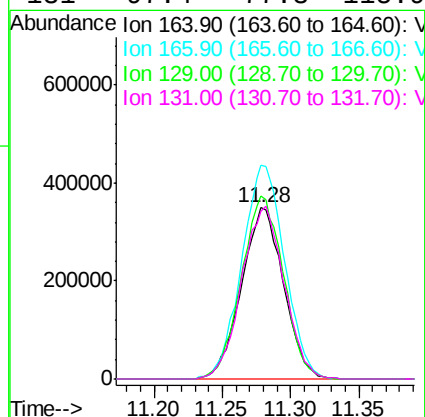
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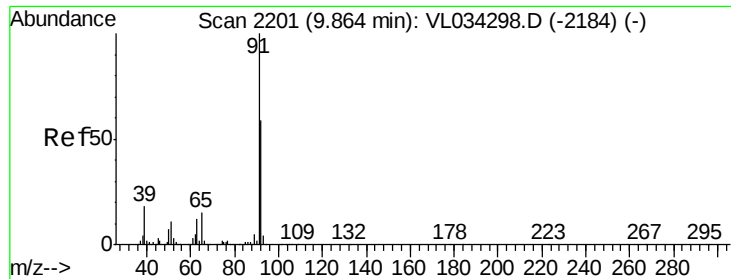
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#52
Tetrachloroethene
Concen: 8.863 ppbv
RT: 11.28 min Scan# 2641
Delta R.T. -0.01 min
Lab File: VL034342.D
Acq: 24 Oct 2019 9:50

Tgt Ion: 164 Resp: 747218
Ion Ratio Lower Upper
164 100
166 124.5 95.3 142.9
129 106.7 84.5 126.7
131 97.4 77.3 115.9





#53

Toluene

Concen: 9.576 ppbv

RT: 9.85 min Scan# 2198

Delta R.T. -0.01 min

Lab File: VL034342.D

Acq: 24 Oct 2019 9:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 2273084

Ion Ratio Lower Upper

91 100

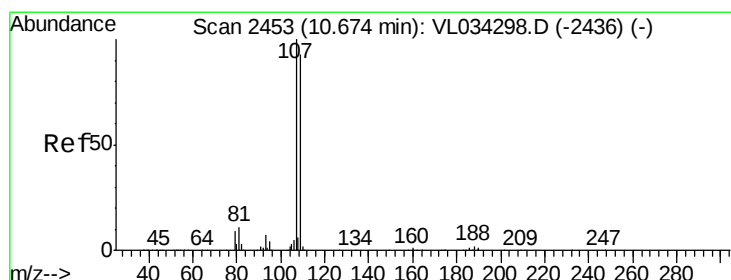
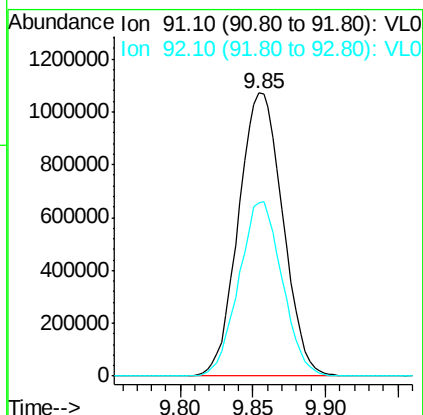
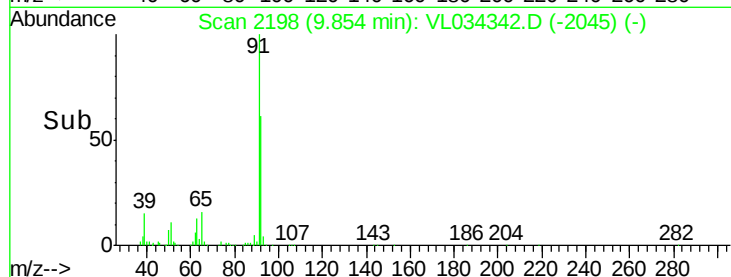
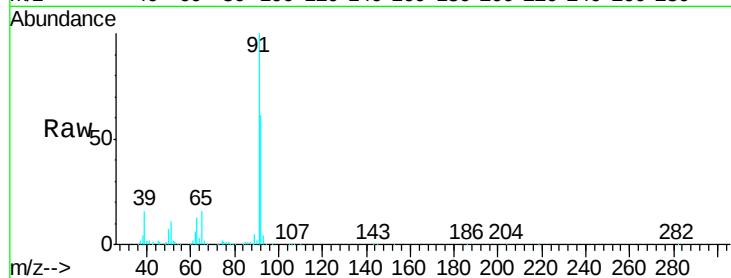
92 60.4 48.4 72.6

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#54

1,2-Dibromoethane

Concen: 9.049 ppbv

RT: 10.67 min Scan# 2451

Delta R.T. -0.01 min

Lab File: VL034342.D

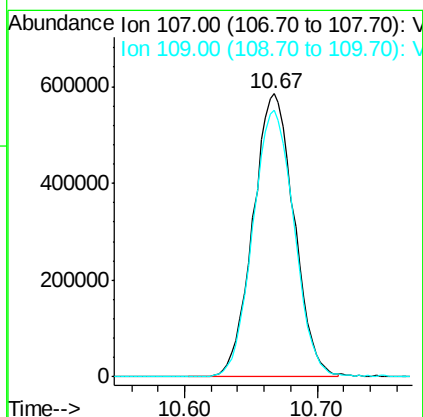
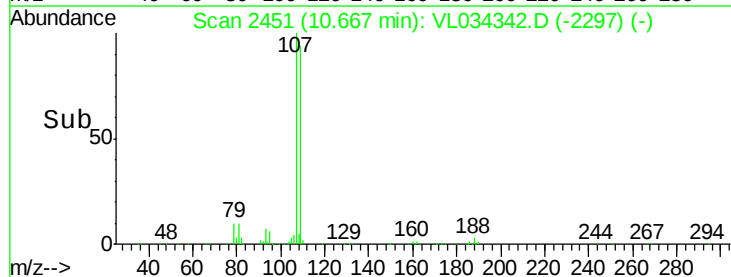
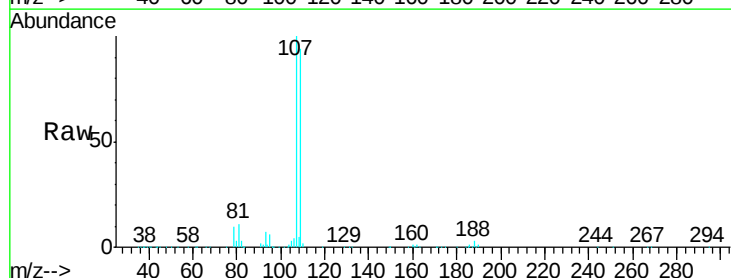
Acq: 24 Oct 2019 9:50

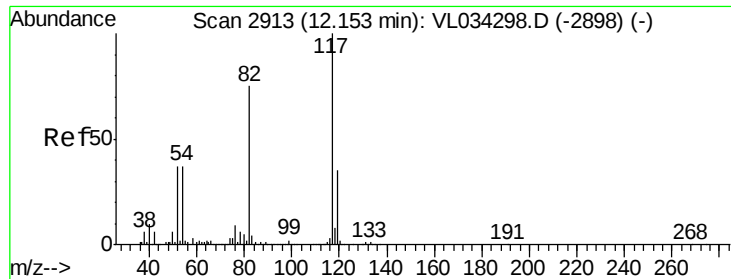
Tgt Ion: 107 Resp: 1258179

Ion Ratio Lower Upper

107 100

109 94.2 74.6 112.0





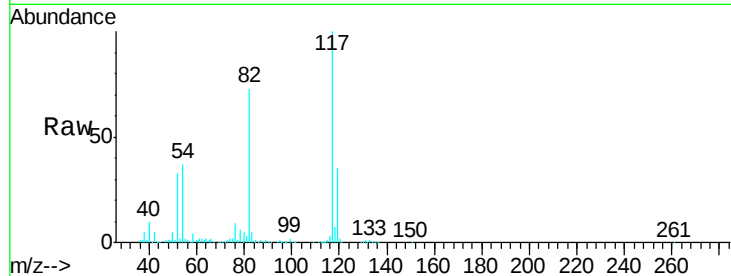
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL034342.D
Acq: 24 Oct 2019 9:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

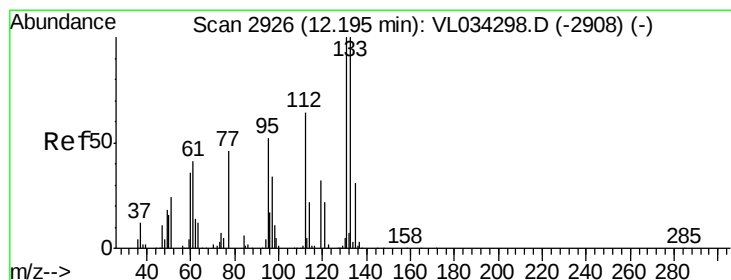
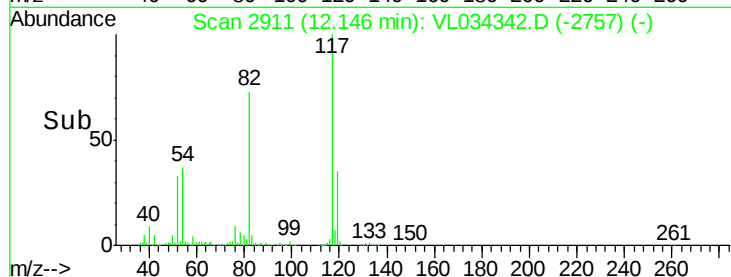
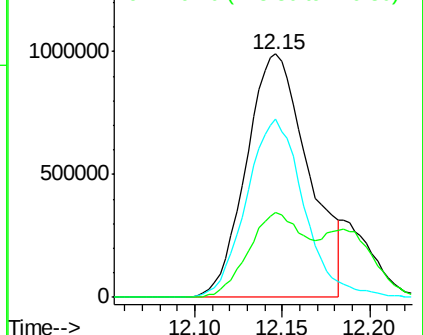
Tgt Ion:117 Resp: 2449683
Ion Ratio Lower Upper
117 100
82 68.1 55.5 83.3
119 31.9 26.5 39.7

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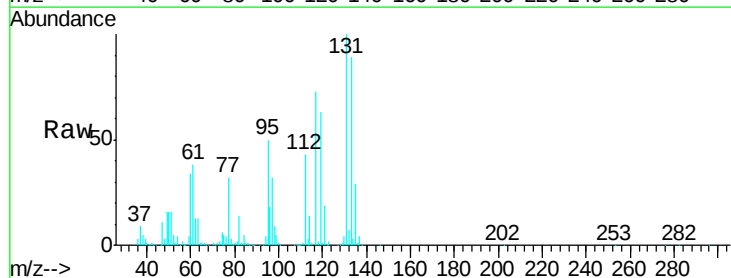


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

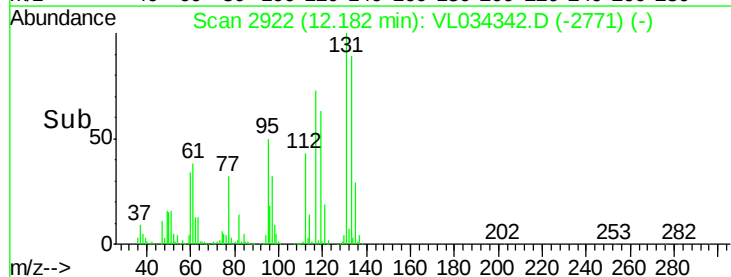
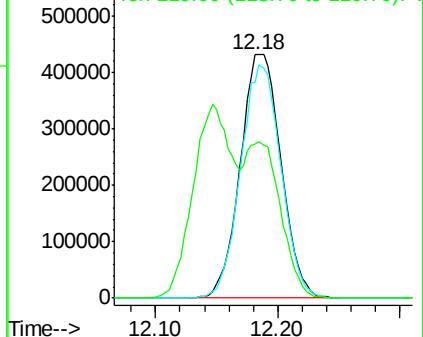


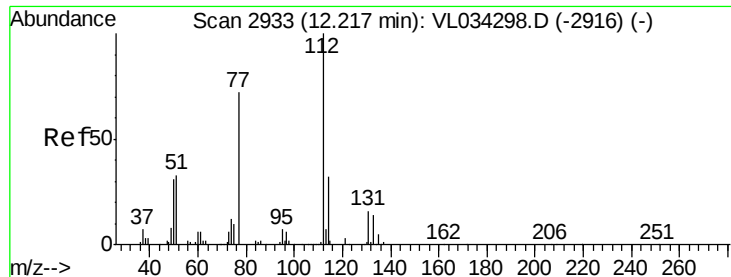
#56
1,1,1,2-Tetrachloroethane
Concen: 8.822 ppbv
RT: 12.18 min Scan# 2922
Delta R.T. -0.01 min
Lab File: VL034342.D
Acq: 24 Oct 2019 9:50

Tgt Ion:131 Resp: 995943
Ion Ratio Lower Upper
131 100
133 94.9 77.1 115.7
119 52.0 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: 8.490 ppbv

RT: 12.21 min Scan# 2930

Delta R.T. -0.01 min

Lab File: VL034342.D

Acq: 24 Oct 2019 9:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 112 Resp: 1735154

Ion Ratio Lower Upper

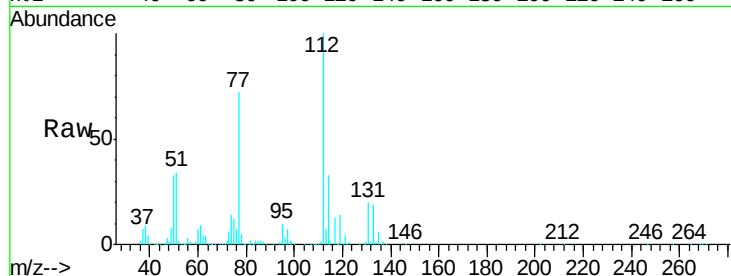
112 100

77 72.2 58.6 88.0

114 32.5 28.6 35.0

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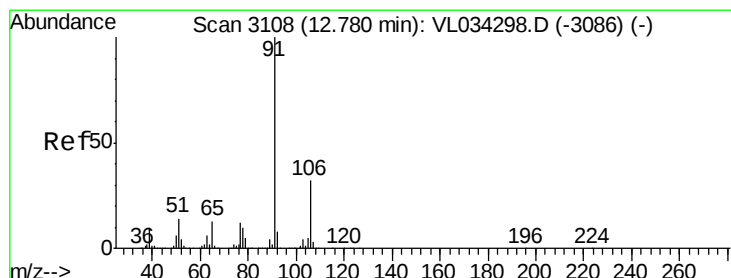
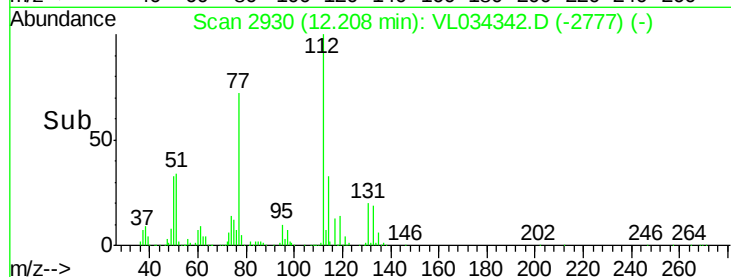
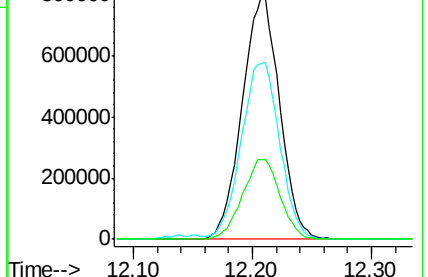
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.109 ppbv

RT: 12.77 min Scan# 3105

Delta R.T. -0.01 min

Lab File: VL034342.D

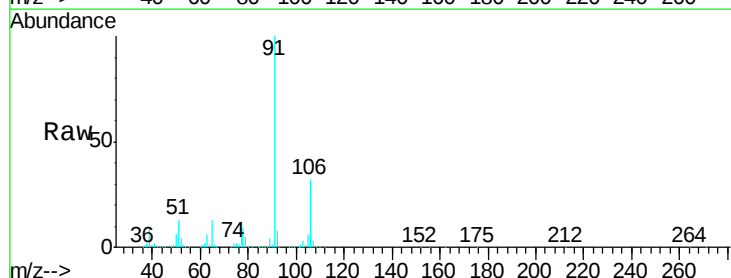
Acq: 24 Oct 2019 9:50

Tgt Ion: 91 Resp: 3119163

Ion Ratio Lower Upper

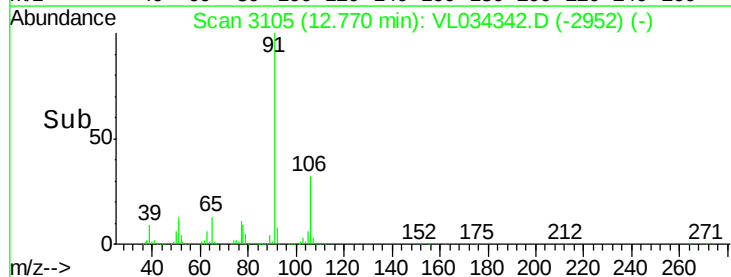
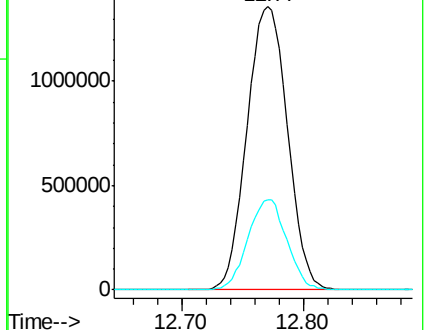
91 100

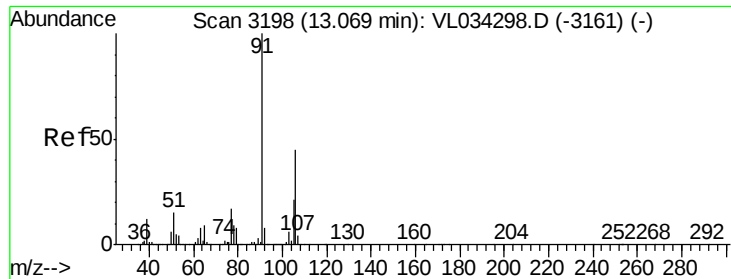
106 31.7 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





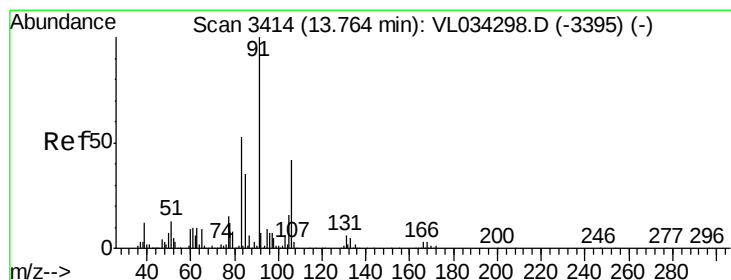
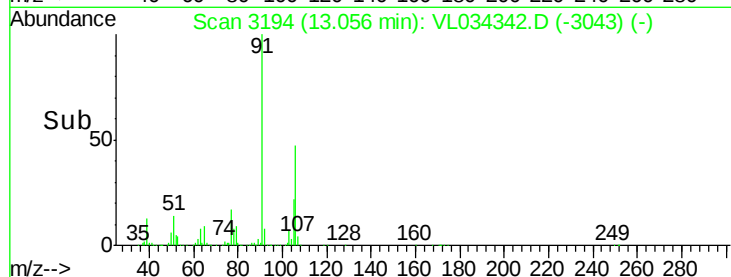
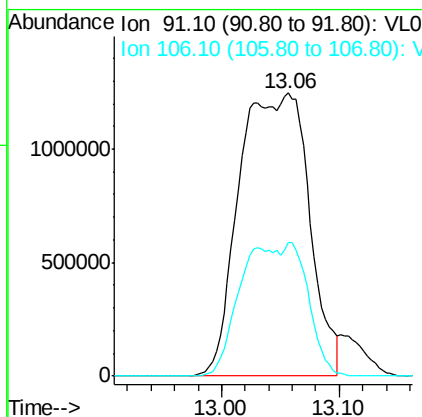
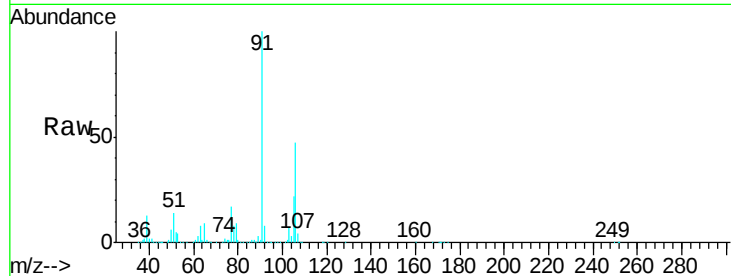
#59
m/p-Xylene
Concen: 17.282 ppbv m
RT: 13.06 min Scan# 3194
Delta R.T. -0.01 min
Lab File: VL034342.D
Acq: 24 Oct 2019 9:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 5127472
Ion Ratio Lower Upper
91 100
106 44.9 35.4 53.2

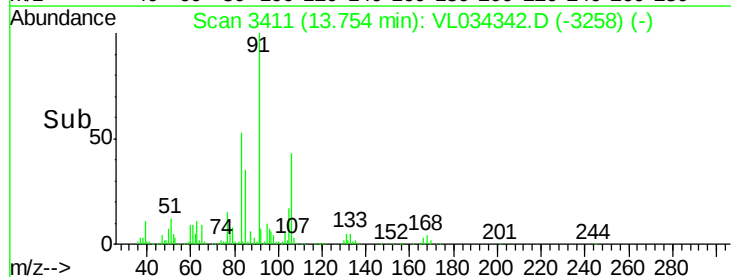
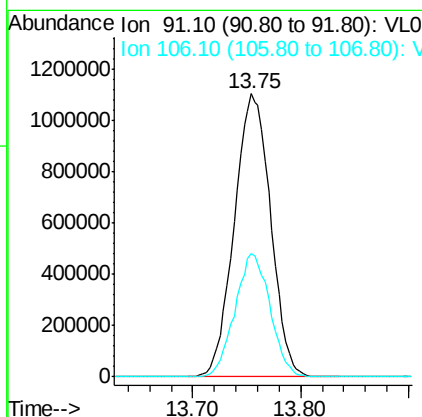
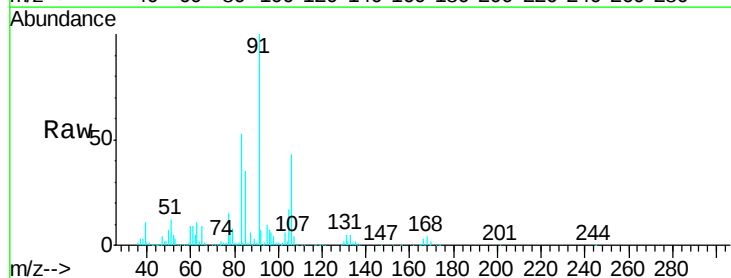
Manual Integrations
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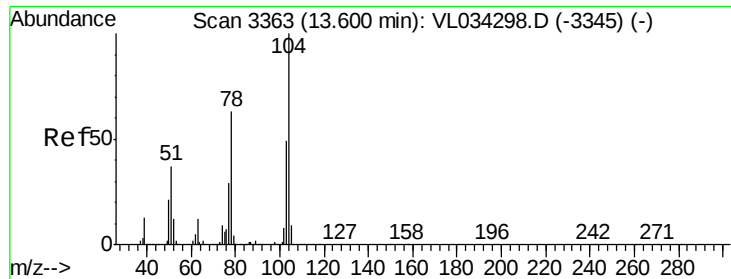
MMDadoda
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#60
o-Xylene
Concen: 8.741 ppbv
RT: 13.75 min Scan# 3411
Delta R.T. -0.01 min
Lab File: VL034342.D
Acq: 24 Oct 2019 9:50

Tgt Ion: 91 Resp: 2582418
Ion Ratio Lower Upper
91 100
106 42.1 21.6 64.6





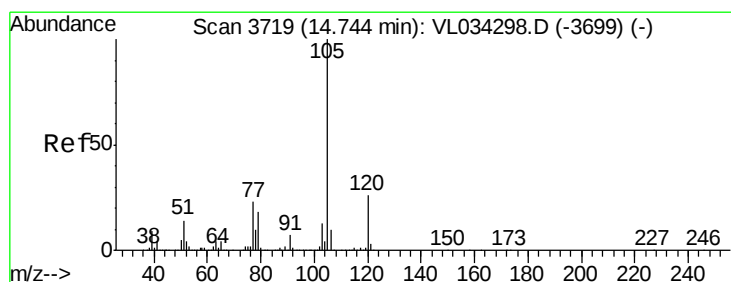
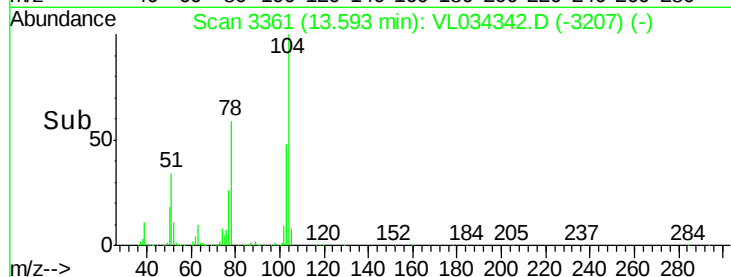
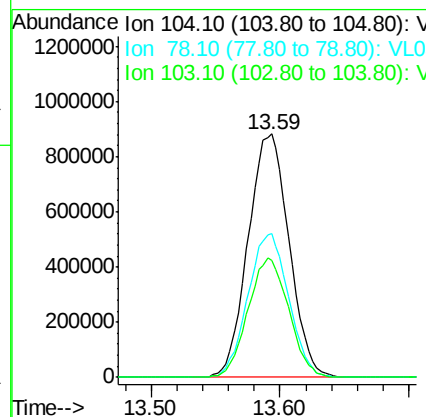
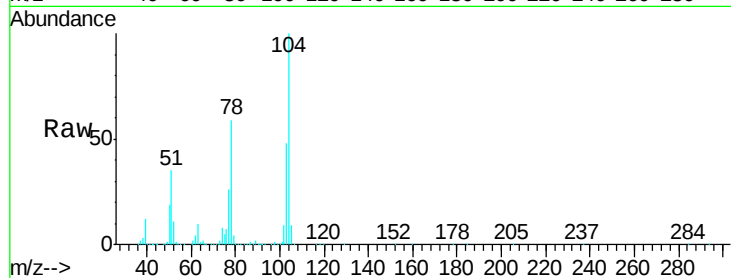
#61
Styrene
Concen: 9.386 ppbv
RT: 13.59 min Scan# 3361
Delta R.T. -0.01 min
Lab File: VL034342.D
Acq: 24 Oct 2019 9:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 1952360
Ion Ratio Lower Upper
104 100
78 58.9 47.8 71.8
103 48.7 39.0 58.6

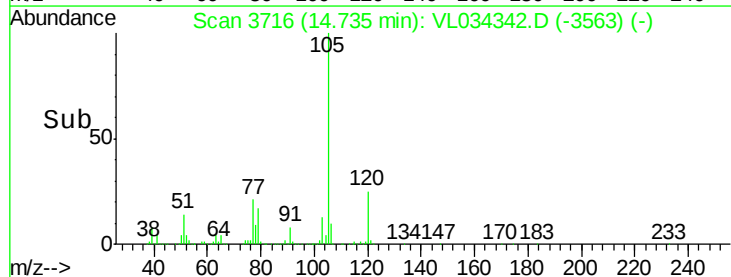
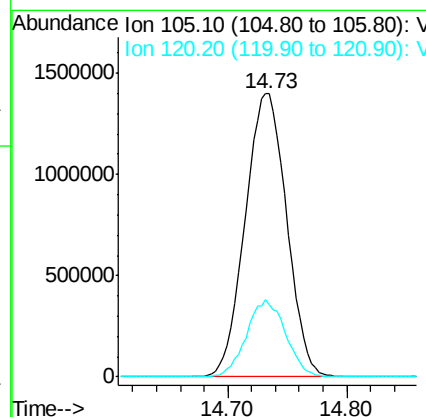
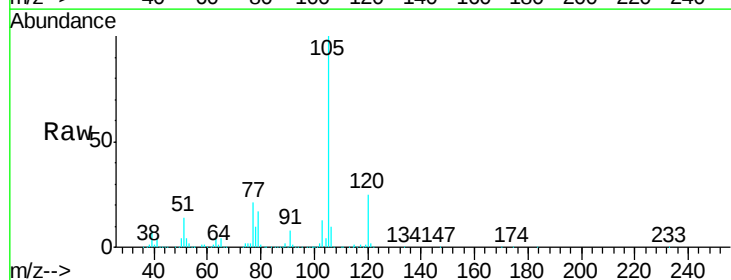
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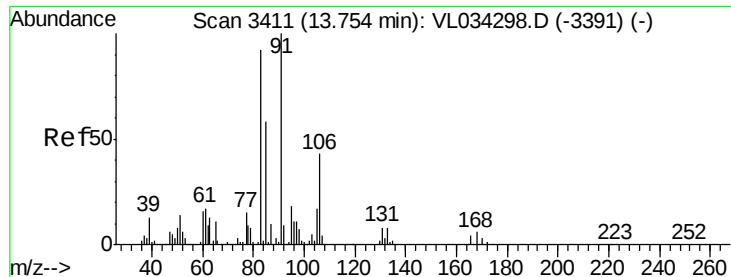
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#62
Isopropylbenzene
Concen: 8.648 ppbv
RT: 14.73 min Scan# 3716
Delta R.T. -0.01 min
Lab File: VL034342.D
Acq: 24 Oct 2019 9:50

Tgt Ion:105 Resp: 3372615
Ion Ratio Lower Upper
105 100
120 25.7 20.8 31.2





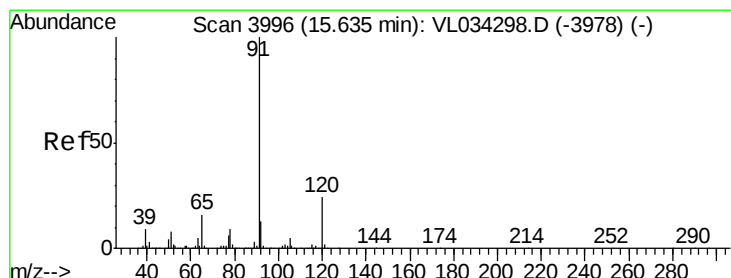
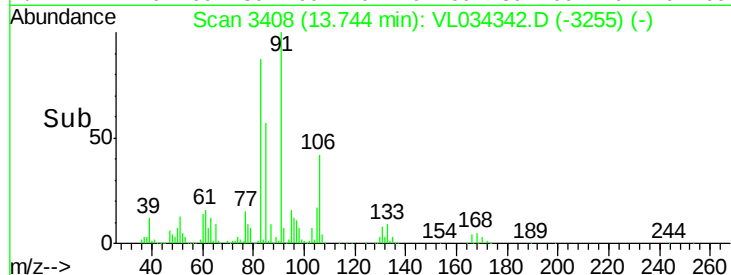
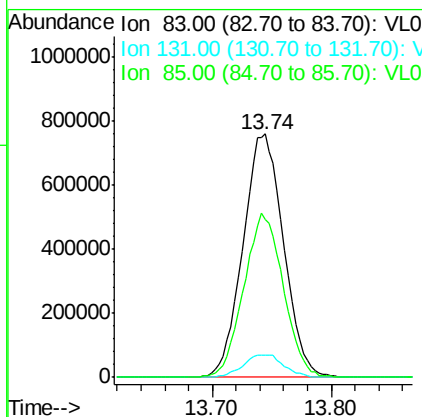
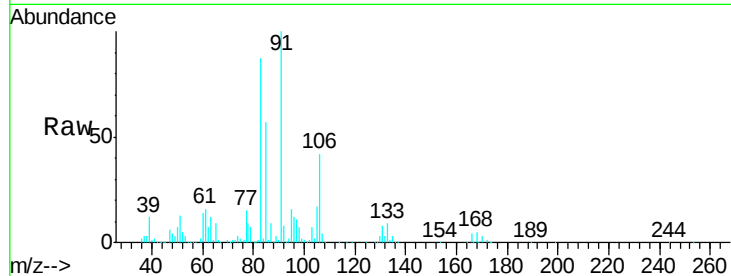
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.547 ppbv
 RT: 13.74 min Scan# 3408
 Delta R.T. -0.01 min
 Lab File: VL034342.D
 Acq: 24 Oct 2019 9:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 83 Resp: 1791807
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.8 14.4
 85 65.7 32.5 97.4

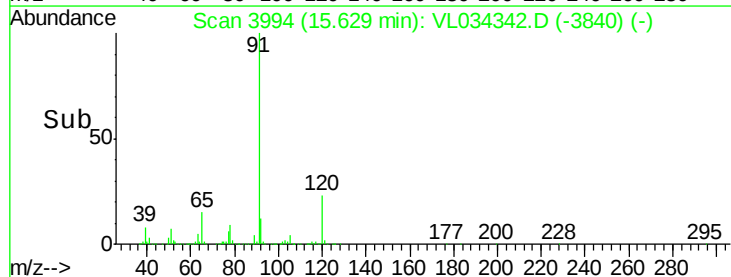
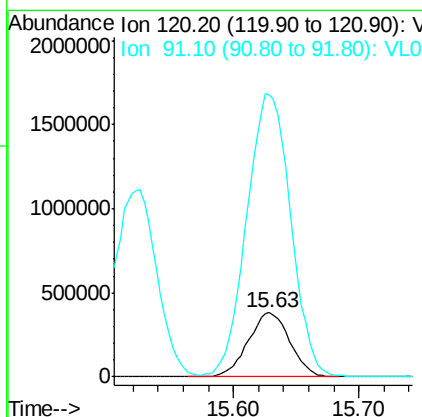
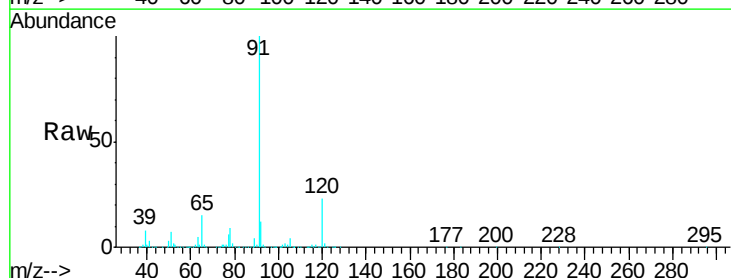
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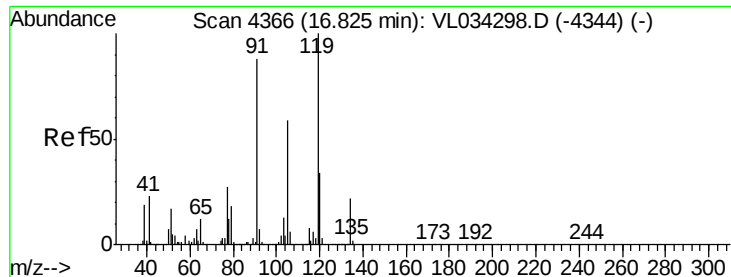
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#64
 n-propylbenzene
 Concen: 8.783 ppbv
 RT: 15.63 min Scan# 3994
 Delta R.T. -0.01 min
 Lab File: VL034342.D
 Acq: 24 Oct 2019 9:50

Tgt Ion: 120 Resp: 879093
 Ion Ratio Lower Upper
 120 100
 91 468.1 374.9 562.3





#65

tert-Butylbenzene

Concen: 8.584 ppbv

RT: 16.82 min Scan# 4363

Delta R.T. -0.01 min

Lab File: VL034342.D

Acq: 24 Oct 2019 9:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 119 Resp: 2967212

Ion Ratio Lower Upper

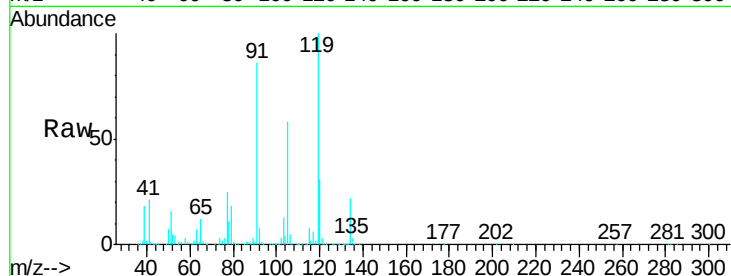
119 100

91 88.2 71.4 107.0

134 20.1 15.9 23.9

Manual Integrations
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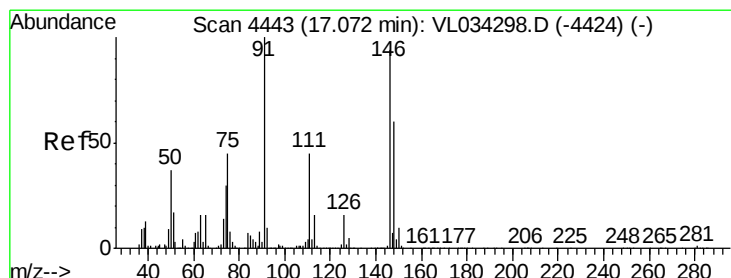
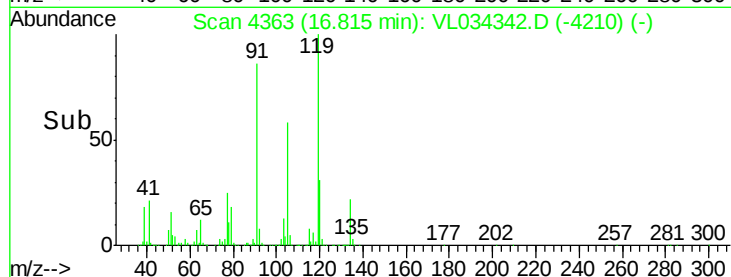
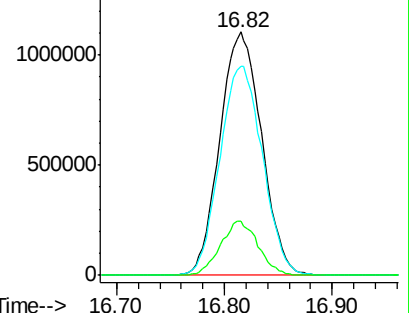
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Abundance Ion 119.20 (118.90 to 119.90): V

1500000 Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.478 ppbv

RT: 17.06 min Scan# 4440

Delta R.T. -0.01 min

Lab File: VL034342.D

Acq: 24 Oct 2019 9:50

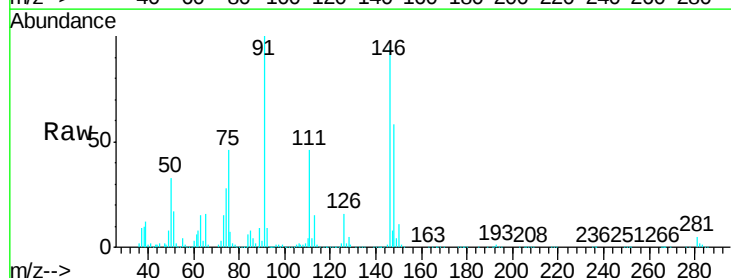
Tgt Ion: 91 Resp: 1430439

Ion Ratio Lower Upper

91 100

126 16.3 12.9 19.3

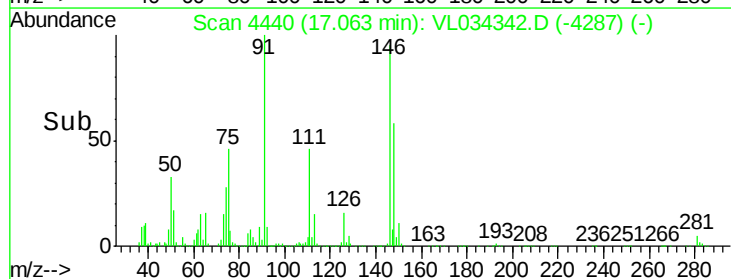
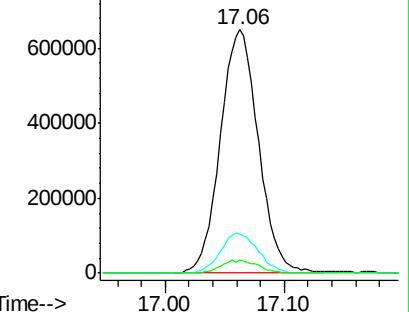
128 5.1 4.3 6.5

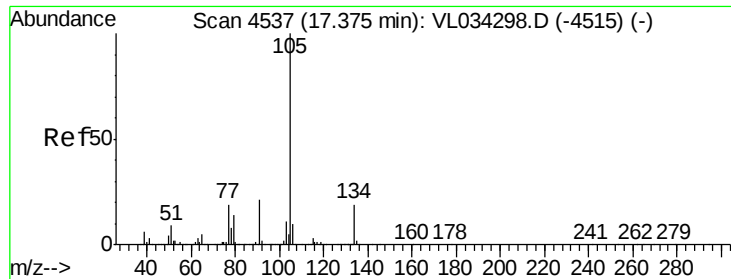


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.481 ppbv

RT: 17.36 min Scan# 4534

Delta R.T. -0.01 min

Lab File: VL034342.D

Acq: 24 Oct 2019 9:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 105 Resp: 4125699

Ion Ratio Lower Upper

105 100

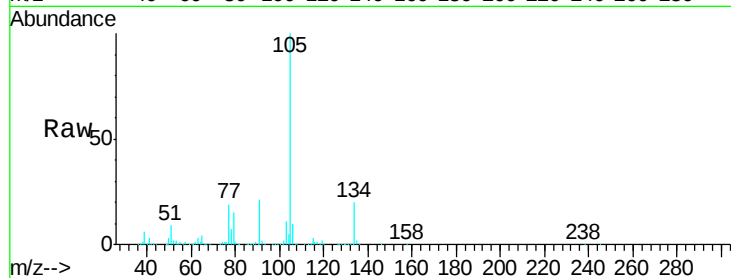
134 18.8 15.4 23.0

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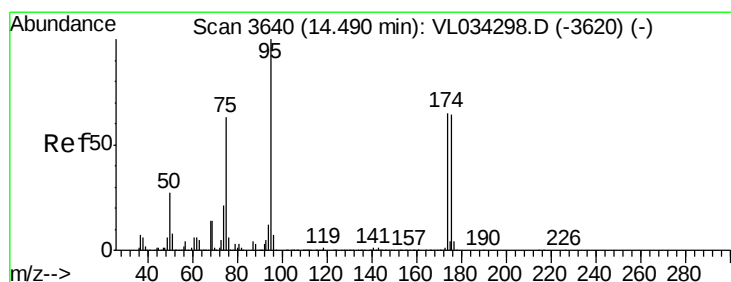
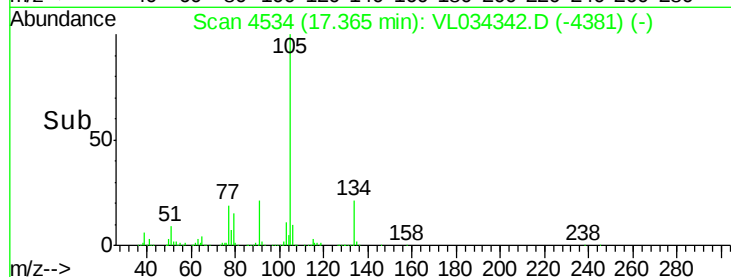
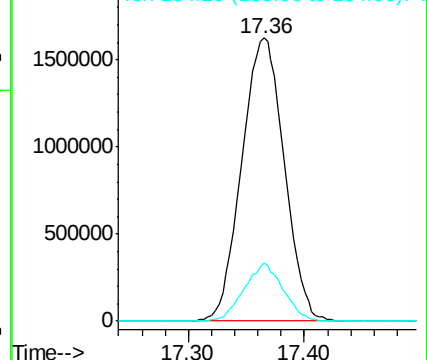
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.271 ppbv

RT: 14.48 min Scan# 3638

Delta R.T. -0.01 min

Lab File: VL034342.D

Acq: 24 Oct 2019 9:50

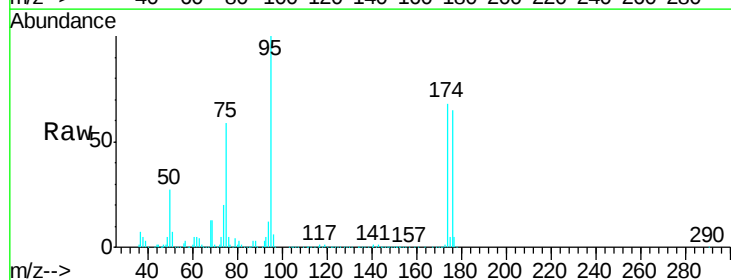
Tgt Ion: 95 Resp: 1923496

Ion Ratio Lower Upper

95 100

174 66.5 52.6 78.8

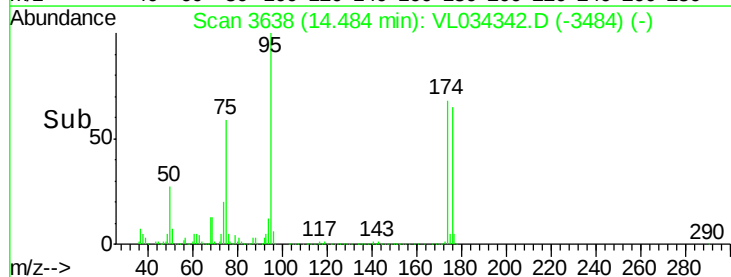
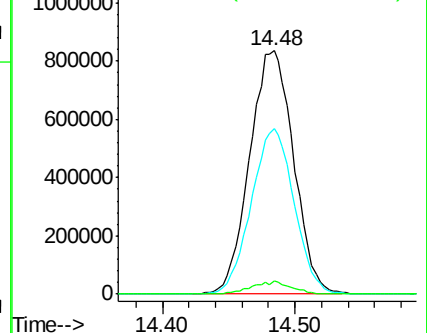
175 4.7 3.8 5.6

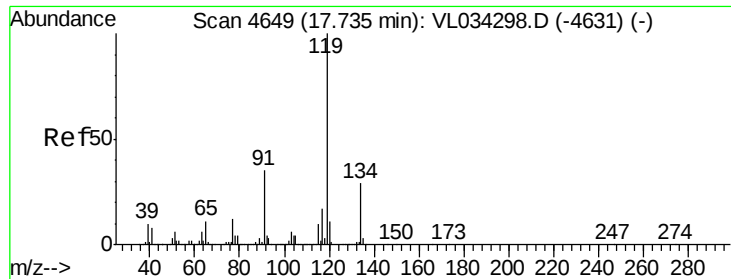


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





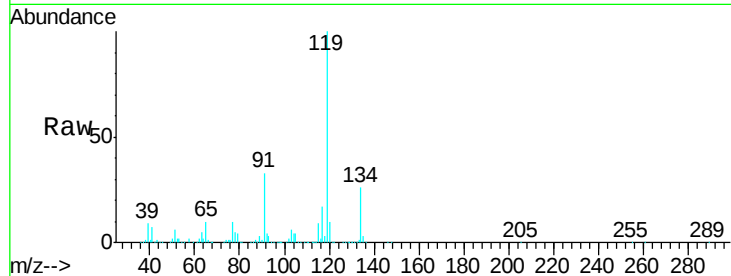
#69
p-Isopropyltoluene
Concen: 8.615 ppbv
RT: 17.73 min Scan# 4646
Delta R.T. -0.01 min
Lab File: VL034342.D
Acq: 24 Oct 2019 9:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

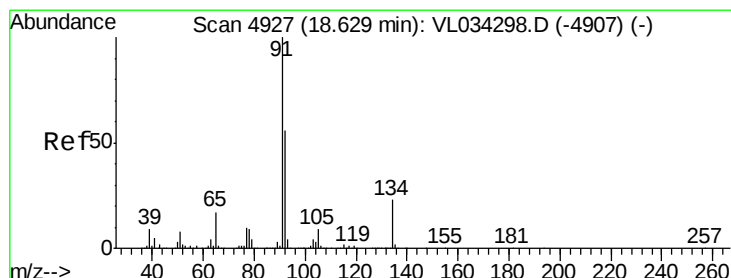
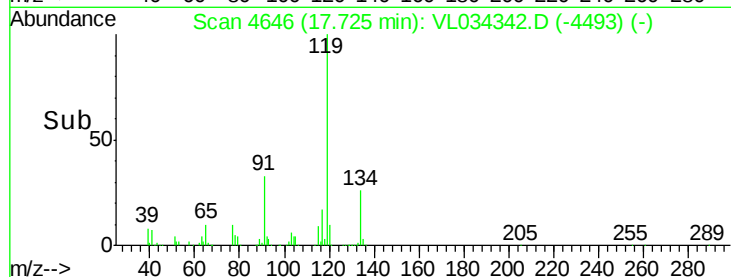
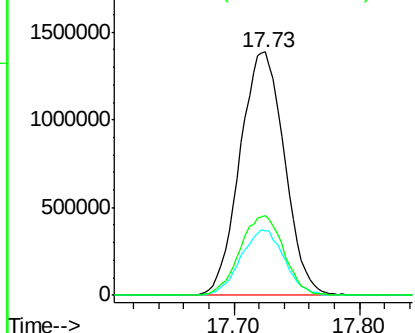
Tgt Ion: 119 Resp: 3416569
Ion Ratio Lower Upper
119 100
134 26.4 21.3 31.9
91 32.4 26.6 39.8

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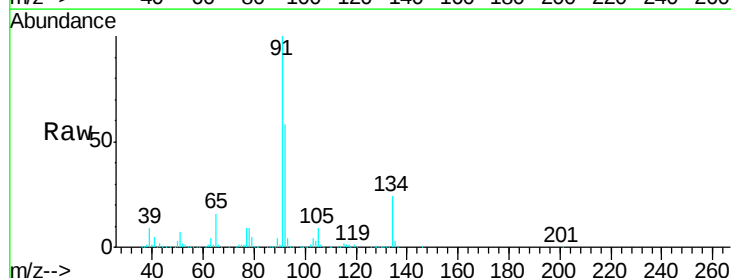


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

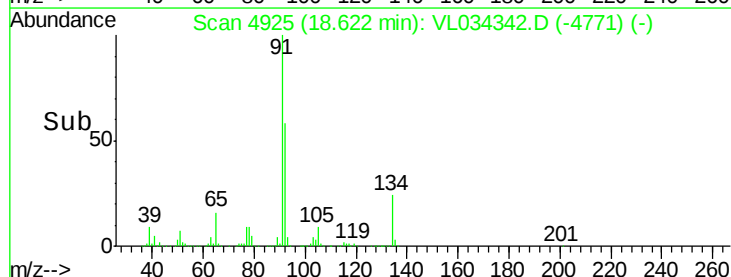
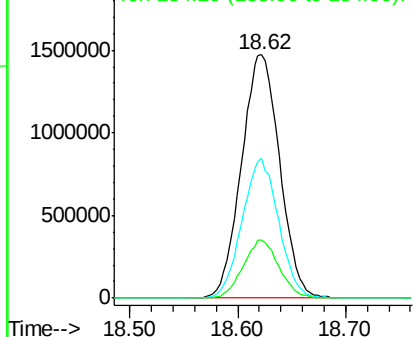


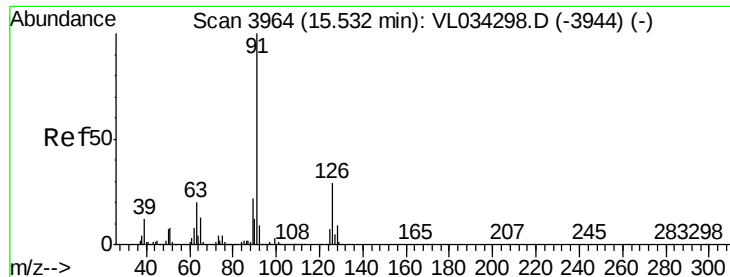
#70
n-Butylbenzene
Concen: 8.403 ppbv
RT: 18.62 min Scan# 4925
Delta R.T. -0.01 min
Lab File: VL034342.D
Acq: 24 Oct 2019 9:50

Tgt Ion: 91 Resp: 3625924
Ion Ratio Lower Upper
91 100
92 54.8 44.5 66.7
134 22.5 18.2 27.2



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





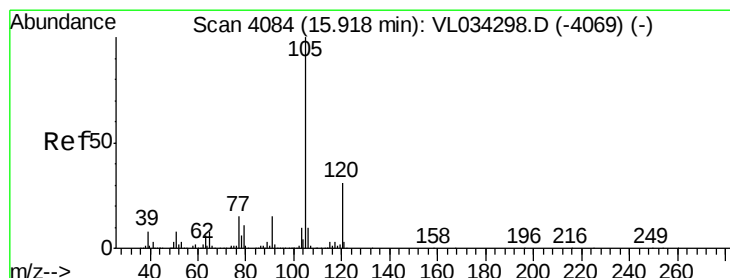
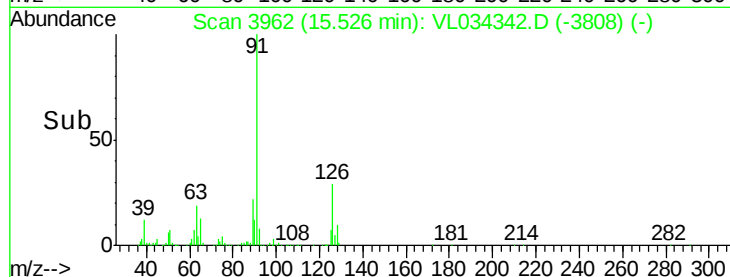
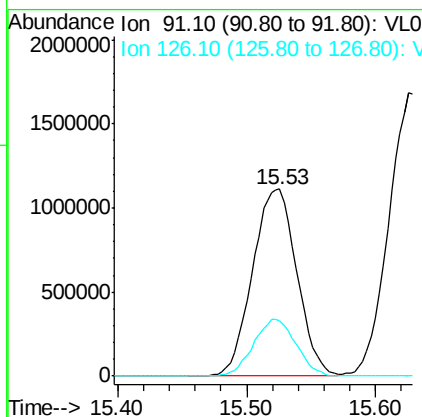
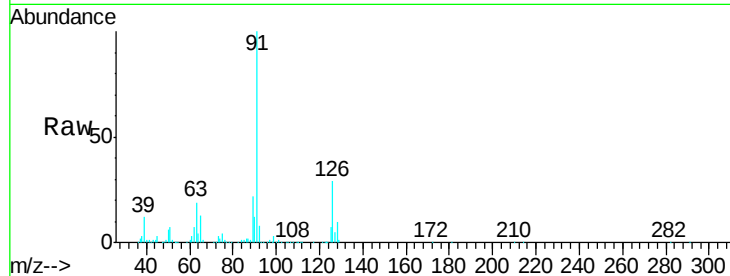
#71
 2-Chlorotoluene
 Concen: 8.771 ppbv
 RT: 15.53 min Scan# 3962
 Delta R.T. -0.01 min
 Lab File: VL034342.D
 Acq: 24 Oct 2019 9:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 91 Resp: 2652305
 Ion Ratio Lower Upper
 91 100
 126 29.5 11.9 47.5

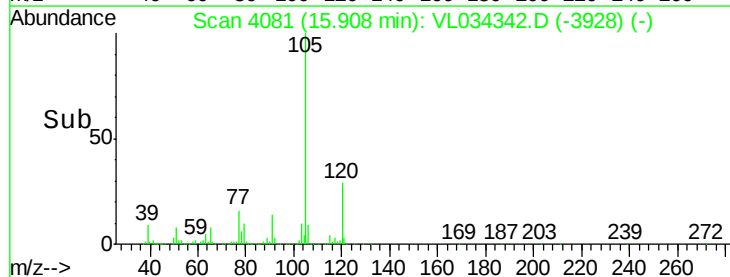
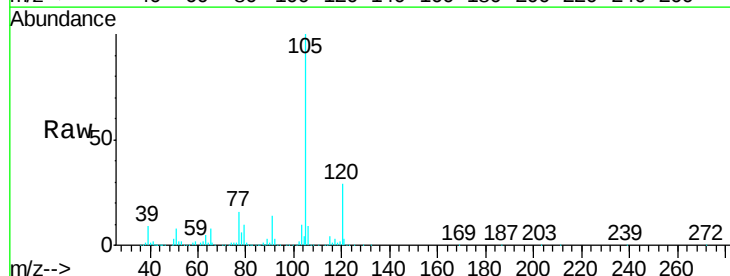
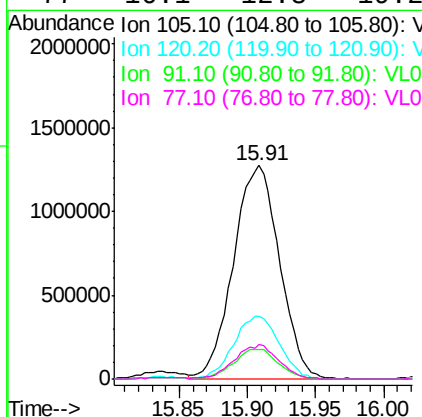
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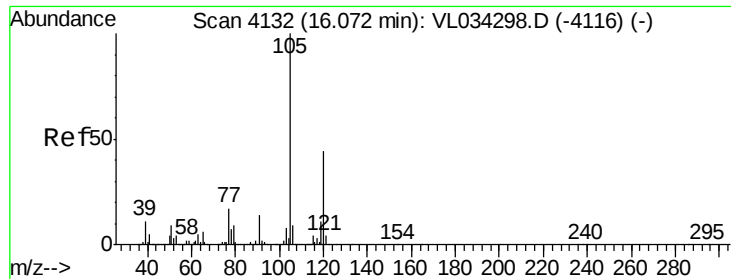
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#72
 4-Ethyltoluene
 Concen: 8.948 ppbv
 RT: 15.91 min Scan# 4081
 Delta R.T. -0.01 min
 Lab File: VL034342.D
 Acq: 24 Oct 2019 9:50

Tgt Ion: 105 Resp: 2971762
 Ion Ratio Lower Upper
 105 100
 120 29.5 23.8 35.8
 91 13.8 11.2 16.8
 77 16.1 12.8 19.2





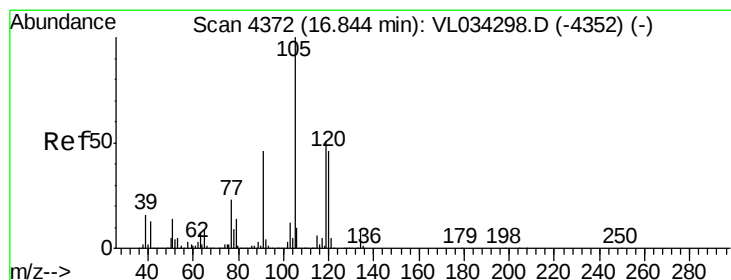
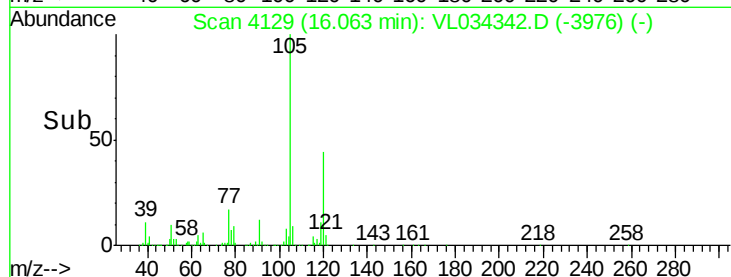
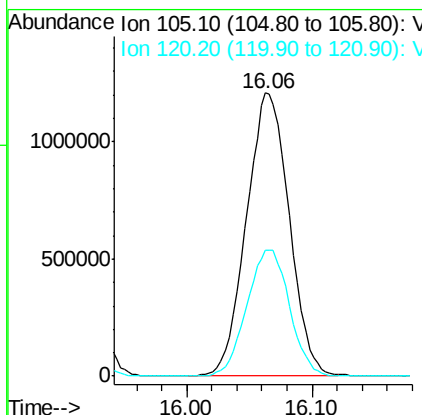
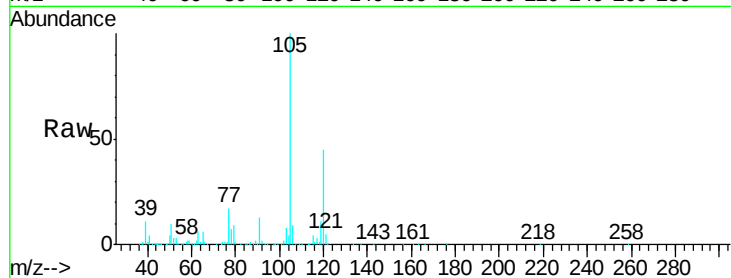
#73
 1,3,5-Trimethylbenzene
 Concen: 8.668 ppbv
 RT: 16.06 min Scan# 4129
 Delta R.T. -0.01 min
 Lab File: VL034342.D
 Acq: 24 Oct 2019 9:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:105 Resp: 2852362
 Ion Ratio Lower Upper
 105 100
 120 44.6 35.2 52.8

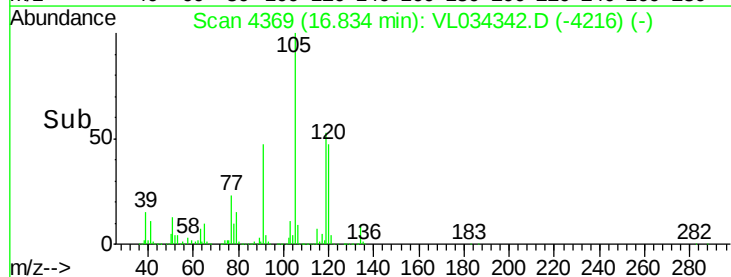
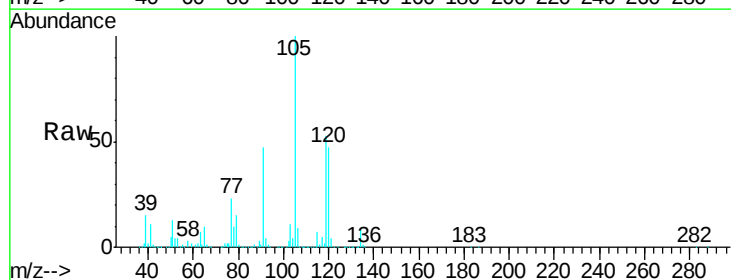
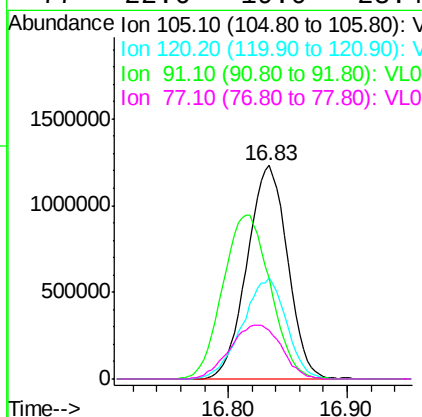
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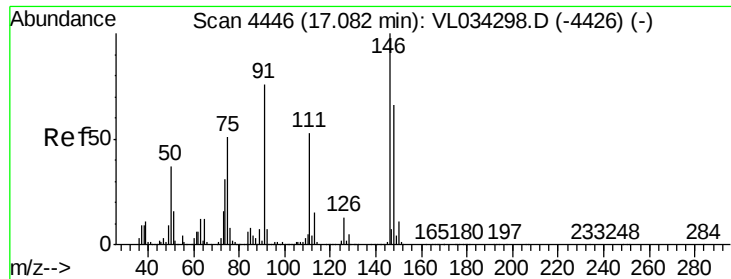
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#74
 1,2,4-Trimethylbenzene
 Concen: 8.424 ppbv
 RT: 16.83 min Scan# 4369
 Delta R.T. -0.01 min
 Lab File: VL034342.D
 Acq: 24 Oct 2019 9:50

Tgt Ion:105 Resp: 2890676
 Ion Ratio Lower Upper
 105 100
 120 47.1 37.0 55.6
 91 47.2 38.2 57.2
 77 22.6 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 8.063 ppbv

RT: 17.07 min Scan# 4442

Delta R.T. -0.01 min

Lab File: VL034342.D

Acq: 24 Oct 2019 9:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:146 Resp: 1661178

Ion Ratio Lower Upper

146 100

111 48.4 24.5 73.5

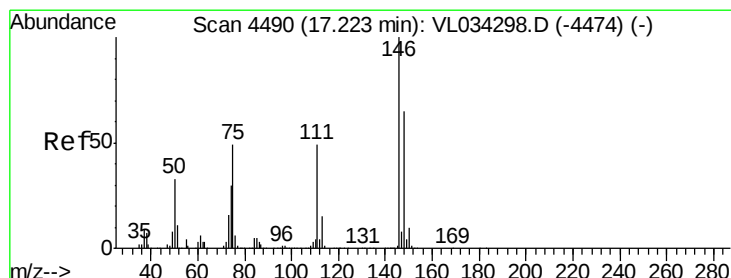
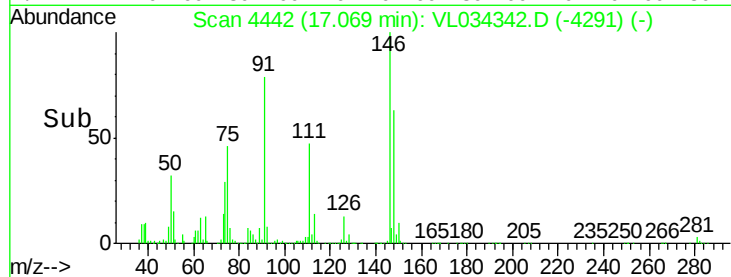
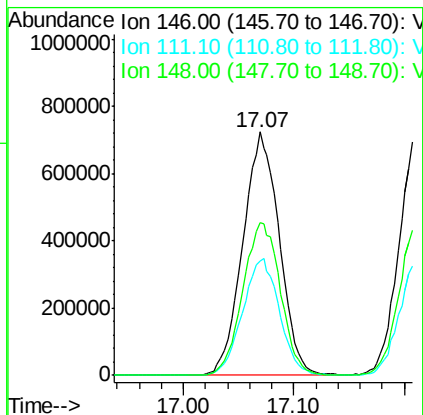
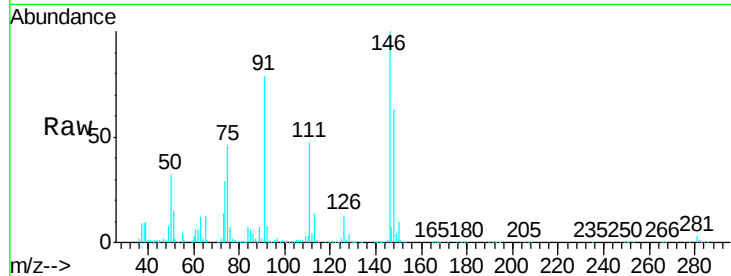
148 64.7 32.3 96.8

Manual Integrations

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#76

1,4-Dichlorobenzene

Concen: 8.249 ppbv

RT: 17.21 min Scan# 4486

Delta R.T. -0.01 min

Lab File: VL034342.D

Acq: 24 Oct 2019 9:50

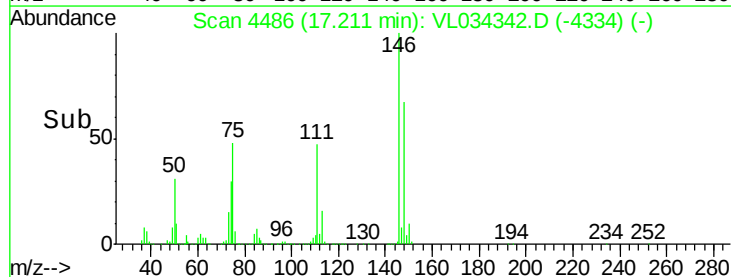
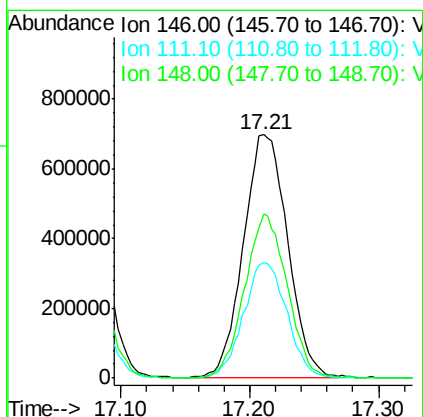
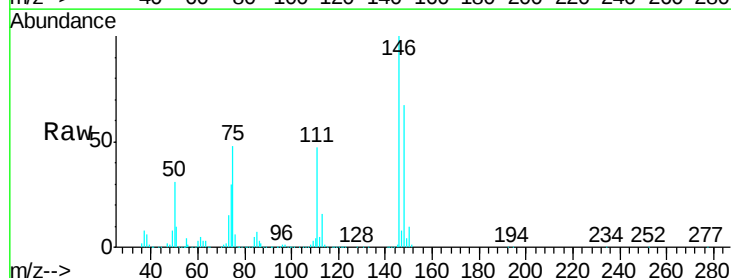
Tgt Ion:146 Resp: 1660019

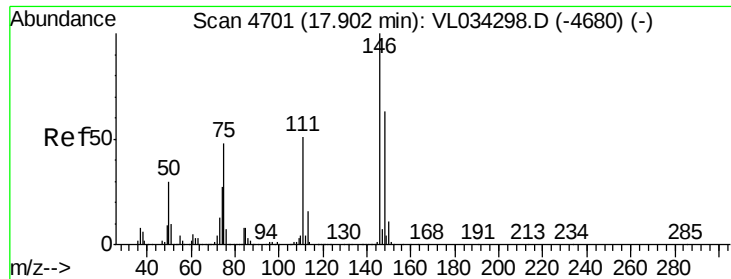
Ion Ratio Lower Upper

146 100

111 46.9 23.9 71.7

148 65.4 33.1 99.2





#77

1,2-Dichlorobenzene

Concen: 8.043 ppbv

RT: 17.89 min Scan# 4698

Delta R.T. -0.01 min

Lab File: VL034342.D

Acq: 24 Oct 2019 9:50

Instrument :

MSVOA_L

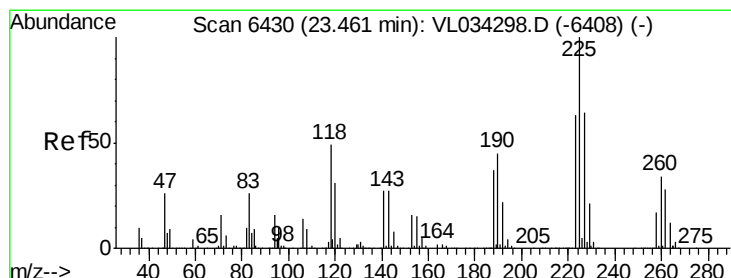
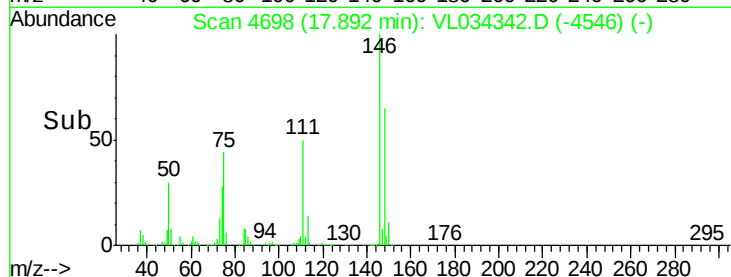
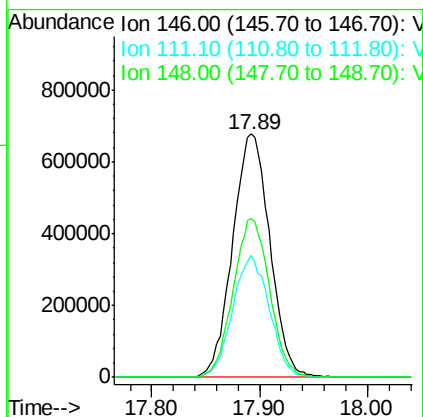
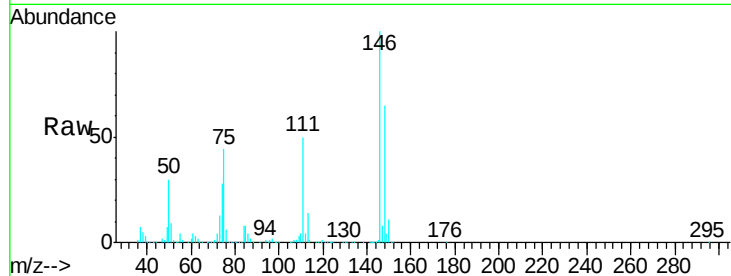
ClientSampleId :

VSTDCCC010

Tgt Ion:	146	Resp:	1624611
Ion	Ratio	Lower	Upper
146	100		
111	49.4	25.1	75.3
148	63.8	32.3	96.8

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#78

Hexachloro-1,3-Butadiene

Concen: 9.362 ppbv

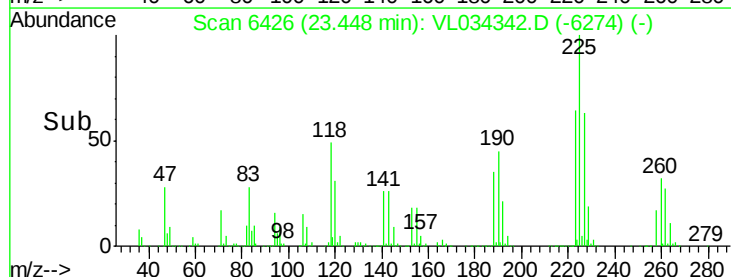
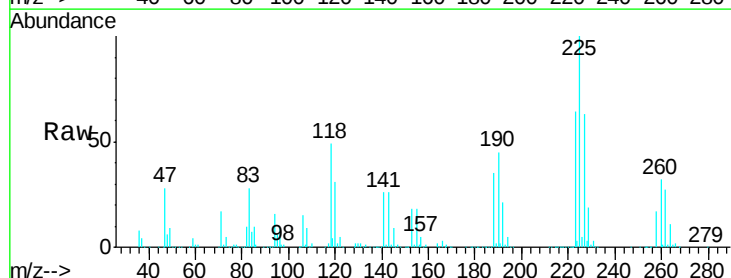
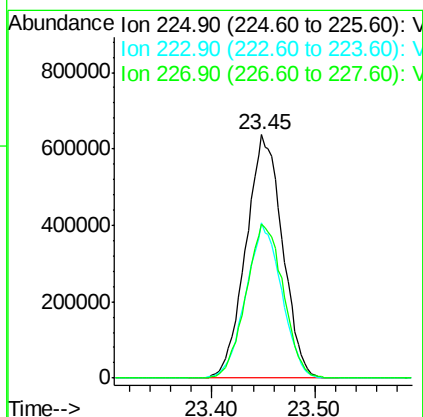
RT: 23.45 min Scan# 6426

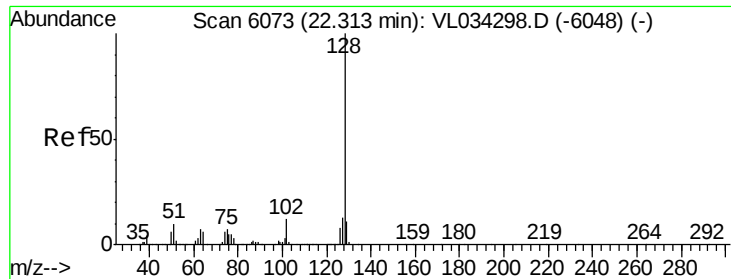
Delta R.T. -0.01 min

Lab File: VL034342.D

Acq: 24 Oct 2019 9:50

Tgt Ion:	225	Resp:	1564286
Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.8	76.2
227	64.5	51.5	77.3





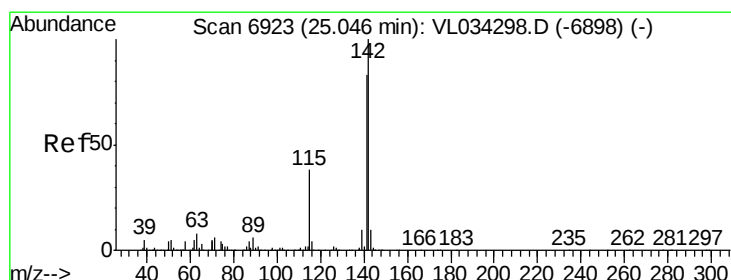
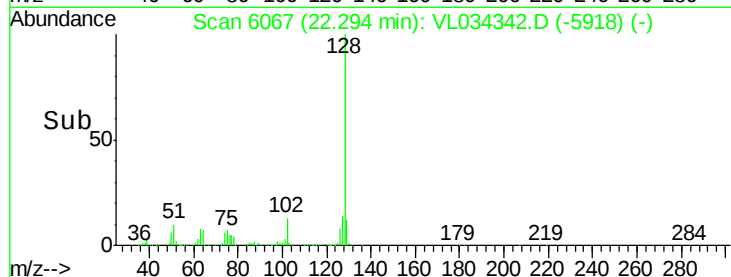
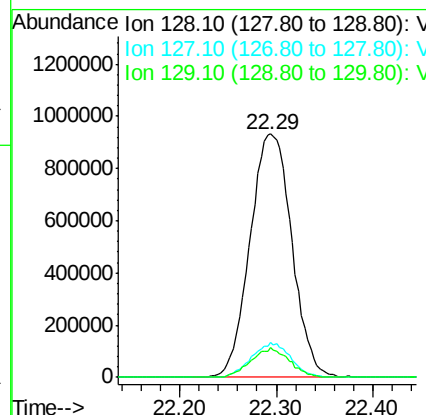
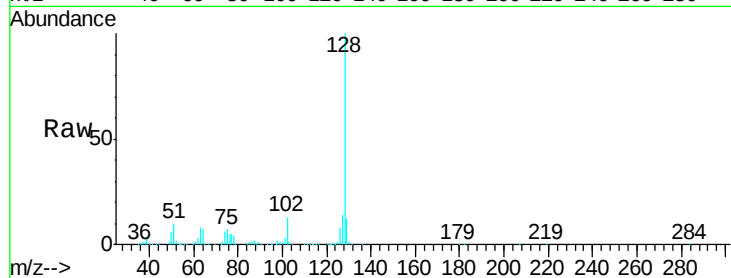
#79
Naphthalene
Concen: 11.164 ppbv
RT: 22.29 min Scan# 6067
Delta R.T. -0.02 min
Lab File: VL034342.D
Acq: 24 Oct 2019 9:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.2	15.4
129	12.1	8.9	13.3

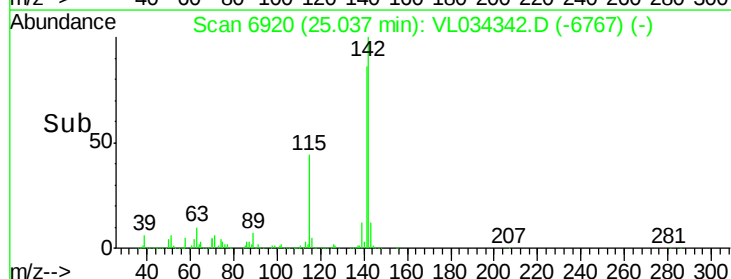
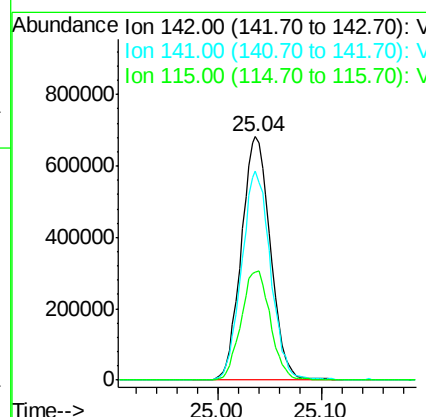
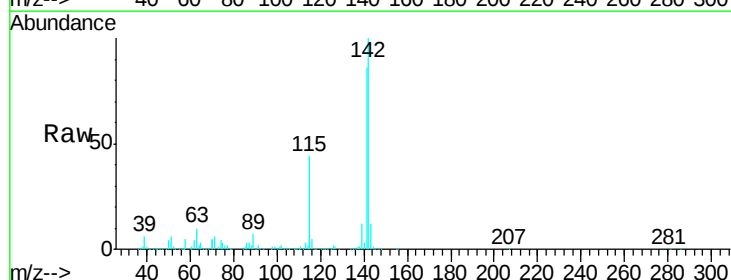
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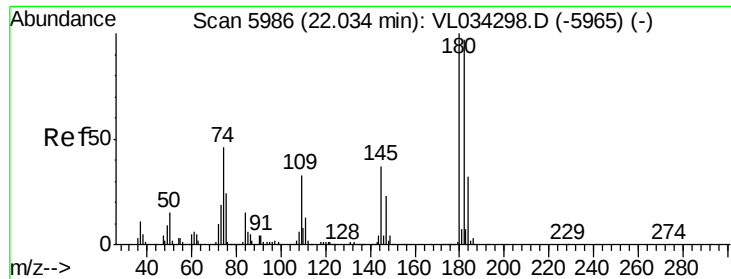
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#80
Naphthalene, 2-methyl-
Concen: 18.479 ppbv
RT: 25.04 min Scan# 6920
Delta R.T. -0.01 min
Lab File: VL034342.D
Acq: 24 Oct 2019 9:50

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.8	65.7	98.5
115	45.2	30.9	46.3





#81
 1,2,4-Trichlorobenzene
 Concen: 10.009 ppbv
 RT: 22.02 min Scan# 5982
 Delta R.T. -0.01 min
 Lab File: VL034342.D
 Acq: 24 Oct 2019 9:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	77.8	116.8
184	30.7	25.4	38.2

Manual Integrations
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