

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121719\
 Data File : VL034495.D
 Acq On : 17 Dec 2019 15:55
 Operator : SY/AP
 Sample : VL1217ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1217ABS01

Manual Integrations
 APPROVED

MMDadoda
 12/19/2019 3:46:55 PM

Quant Time: Dec 18 04:58:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	962235	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1939772	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	2008884m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1702687	10.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1411576	8.109	ppbv	96
3) Chlorodifluoromethane	2.96	51	1099676	9.160	ppbv	98
4) Chloromethane	3.11	50	589485	8.324	ppbv	96
5) Vinyl Chloride	3.23	62	571826	8.619	ppbv	95
6) Bromomethane	3.45	94	324925	9.733	ppbv	93
7) Chloroethane	3.54	64	216334	8.983	ppbv	92
8) Dichlorotetrafluoroethane	3.16	85	1374811	8.795	ppbv	99
9) Propene	2.98	41	427899	8.028	ppbv	99
10) Heptane	8.15	43	1177601	8.561	ppbv	99
11) Trichlorofluoromethane	3.94	101	1583143	9.138	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1038781	9.029	ppbv	99
13) Ethanol	3.59	45	111238	7.492	ppbv	89
14) Bromoethene	3.72	108	415863	8.890	ppbv	99
15) Acetone	3.83	43	1128347	8.189	ppbv	99
16) 1,3-Butadiene	3.30	39	523369	8.720	ppbv	97
17) tert-Butyl alcohol	4.29	59	1148860	9.919	ppbv	99
18) 1,1-Dichloroethene	4.28	96	463669	9.213	ppbv	95
19) Isopropyl Alcohol	3.96	45	897781	10.165	ppbv #	99
20) Methylene Chloride	4.34	84	398193	8.150	ppbv	94
21) Allyl Chloride	4.41	41	757311	9.172	ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	451306	8.896	ppbv	99
23) Vinyl Acetate	5.08	43	1627847	9.044	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1188909	8.599	ppbv	100
25) Ethyl Acetate	5.69	43	2005099	8.155	ppbv	99
26) Hexane	5.70	57	874324	8.275	ppbv	98
27) Carbon Disulfide	4.55	76	1165620	10.129	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1521436	8.684	ppbv	99
29) Chloroform	5.77	83	1459535	8.531	ppbv	98
30) Cyclohexane	7.16	84	702853	8.800	ppbv	100
31) cis-1,2-Dichloroethene	5.56	61	923948	8.463	ppbv	97
32) 1,1,1-Trichloroethane	6.53	97	1510767	9.418	ppbv	99
34) 2-Butanone	5.25	43	1335145	8.362	ppbv	99
35) Carbon Tetrachloride	7.04	117	1602782	9.610	ppbv	97
36) Benzene	6.92	78	1661434	8.568	ppbv	97
37) 1,2-Dichloroethane	6.33	62	1274147	8.845	ppbv	100
38) Trichloroethene	7.87	130	670247	8.423	ppbv	98
39) 1,2-Dichloropropane	7.65	63	684694	9.165	ppbv	96
40) 1,4-Dioxane	7.86	88	253601	7.771	ppbv #	98
41) Tetrahydrofuran	6.06	42	744442	8.313	ppbv	99
42) Bromodichloromethane	7.83	83	1617667	8.979	ppbv	99
43) Methyl Methacrylate	8.04	69	709129	8.817	ppbv	99

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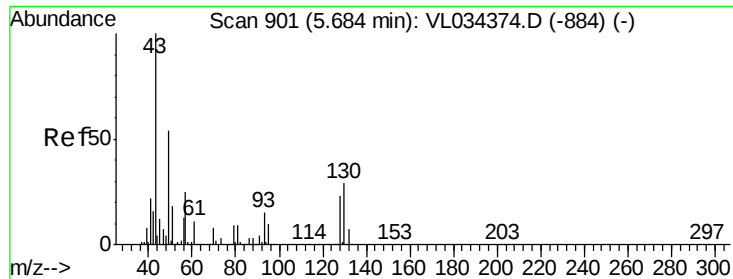
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	3015327	8.509	ppbv	99
45) t-1,3-Dichloropropene	9.32	75	936051	9.075	ppbv	98
46) cis-1,3-Dichloropropene	8.74	75	1053290	9.091	ppbv	98
47) 1,1,2-Trichloroethane	9.52	97	721687	8.684	ppbv	96
48) Dibromochloromethane	10.35	129	1371199	9.610	ppbv	100
49) Bromoform	13.10	173	1219511	9.575	ppbv	99
50) 4-Methyl-2-Pentanone	8.78	43	2013144	8.714	ppbv	99
51) 2-Hexanone	10.18	43	1683273	8.699	ppbv	97
52) Tetrachloroethene	11.28	164	621876	7.412	ppbv	98
53) Toluene	9.85	91	1929413	8.760	ppbv	100
54) 1,2-Dibromoethane	10.66	107	1137155	8.926	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.18	131	919241	9.355	ppbv	97
57) Chlorobenzene	12.20	112	1515941	8.348	ppbv	99
58) Ethyl Benzene	12.76	91	2705277	8.678	ppbv	98
59) m/p-Xylene	13.05	91	4481040m	16.628	ppbv	
60) o-Xylene	13.75	91	2283705	8.571	ppbv	100
61) Styrene	13.58	104	1623288	8.448	ppbv	100
62) Isopropylbenzene	14.73	105	3042742	8.635	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.74	83	1663823	8.308	ppbv	100
64) n-propylbenzene	15.62	120	792880	8.664	ppbv	97
65) tert-Butylbenzene	16.81	119	2761212	8.723	ppbv	100
66) Benzyl Chloride	17.05	91	1321354	10.851	ppbv	100
67) sec-Butylbenzene	17.36	105	3844096	8.682	ppbv	100
69) p-Isopropyltoluene	17.72	119	3202336	8.715	ppbv	100
70) n-Butylbenzene	18.62	91	3403943	8.609	ppbv	99
71) 2-Chlorotoluene	15.52	91	2393168	8.517	ppbv	99
72) 4-Ethyltoluene	15.90	105	2618550	8.506	ppbv	99
73) 1,3,5-Trimethylbenzene	16.06	105	2548841	8.458	ppbv	97
74) 1,2,4-Trimethylbenzene	16.83	105	2666106	8.329	ppbv #	88
75) 1,3-Dichlorobenzene	17.07	146	1482554m	8.057	ppbv	
76) 1,4-Dichlorobenzene	17.21	146	1482541	8.298	ppbv	99
77) 1,2-Dichlorobenzene	17.89	146	1469907	8.271	ppbv	99
78) Hexachloro-1,3-Butadiene	23.45	225	1208824	7.917	ppbv	100
79) Naphthalene	22.29	128	2266113	8.166	ppbv	99
80) Naphthalene, 2-methyl-	25.04	142	413065	3.296	ppbv	96
81) 1,2,4-Trichlorobenzene	22.02	180	1287149	7.550	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.00 min

Lab File: VL034495.D

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Instrument :

MSVOA_L

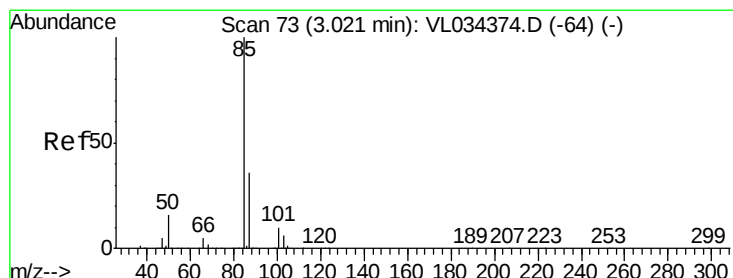
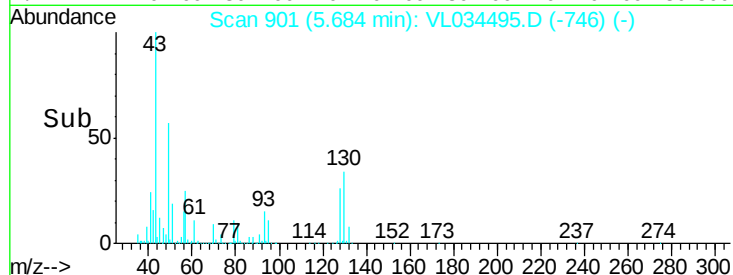
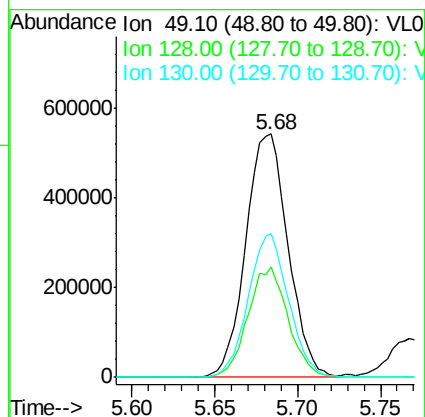
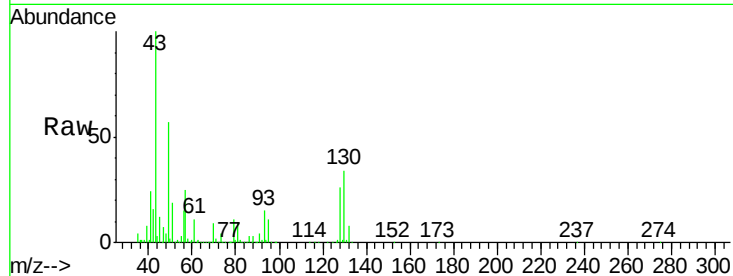
ClientSampleId :

VL1217ABS01

Tot Ion:	49	Resp:	962235
Ion	Ratio	Lower	Upper
49	100		
128	43.4	21.8	65.3
130	56.2	28.0	84.0

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#2

Dichlorodifluoromethane

Concen: 8.109 ppbv

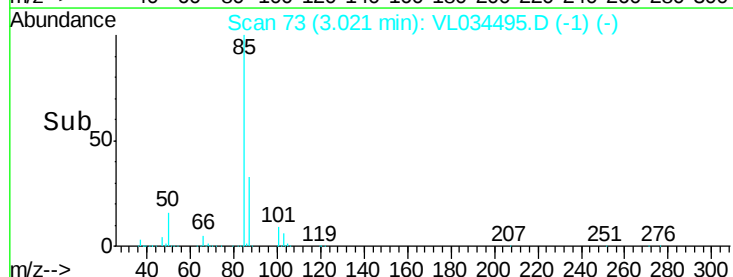
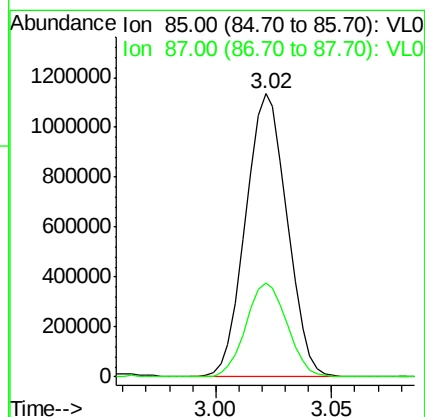
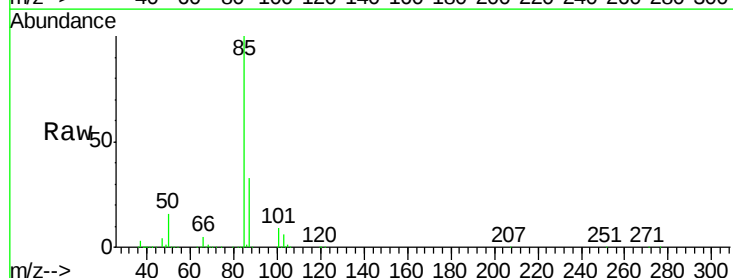
RT: 3.02 min Scan# 73

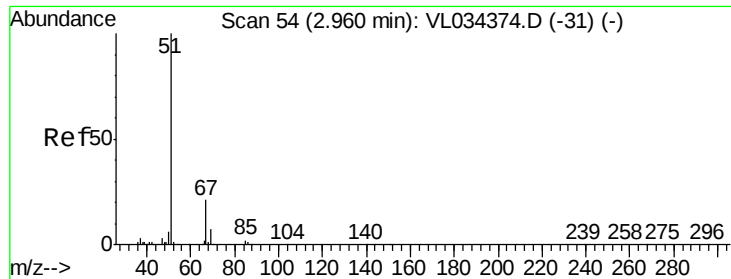
Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Tgt Ion:	85	Resp:	1411576
Ion	Ratio	Lower	Upper
85	100		
87	33.3	28.5	42.7





#3

Chlorodifluoromethane

Concen: 9.160 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Tot Ion: 51 Resp: 1099676

Ion Ratio Lower Upper

51 100

67 21.3 16.2 24.2

Instrument :

MSVOA_L

ClientSampleId :

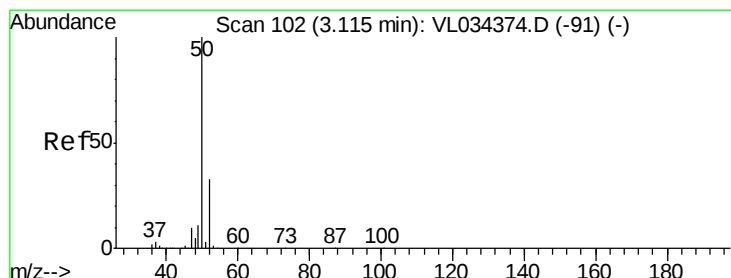
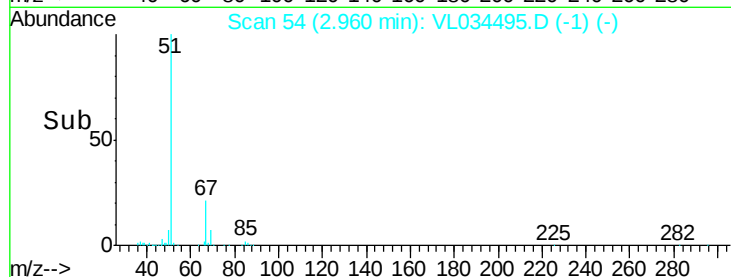
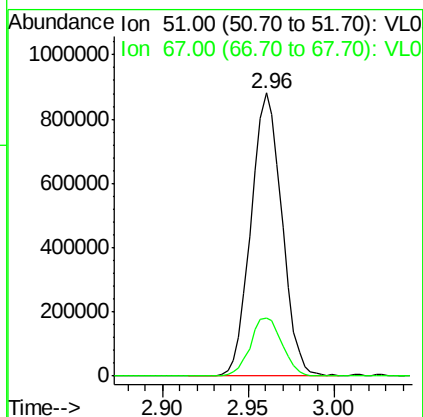
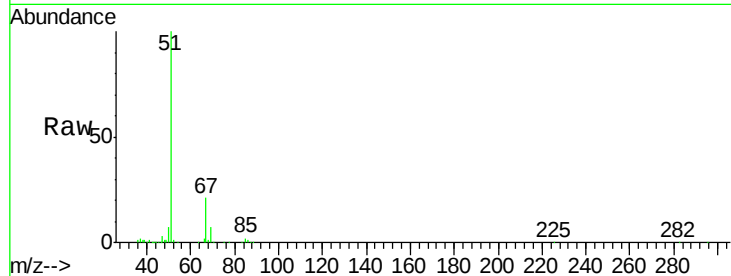
VL1217ABS01

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#4

Chloromethane

Concen: 8.324 ppbv

RT: 3.11 min Scan# 102

Delta R.T. -0.00 min

Lab File: VL034495.D

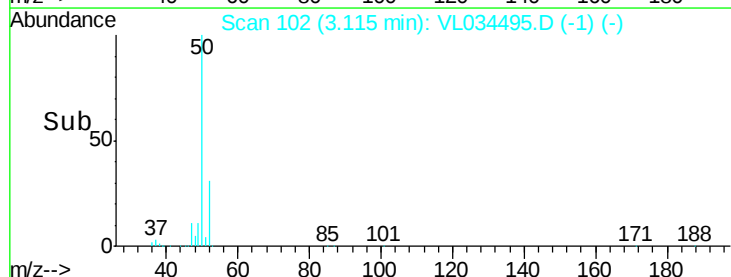
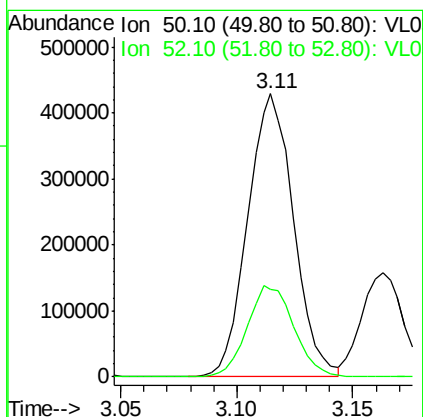
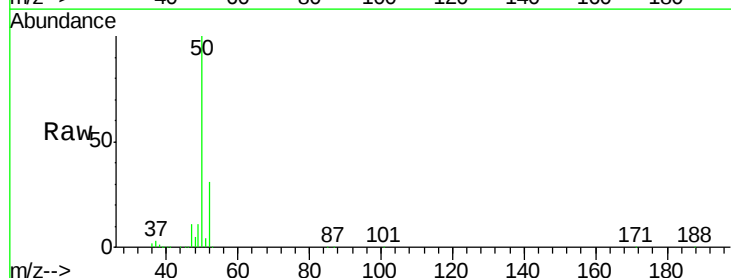
Acq: 17 Dec 2019 15:55

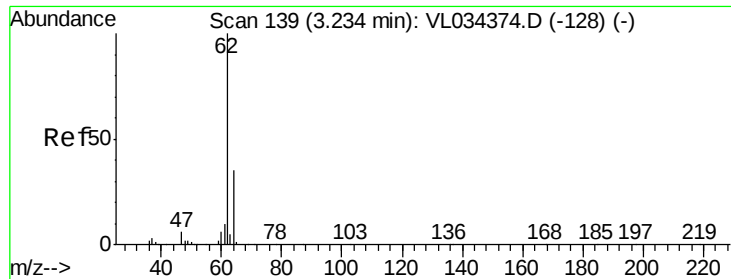
Tgt Ion: 50 Resp: 589485

Ion Ratio Lower Upper

50 100

52 31.0 26.8 40.2





#5

Vinyl Chloride

Concen: 8.619 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion: 62 Resp: 571826

Ion Ratio Lower Upper

62 100

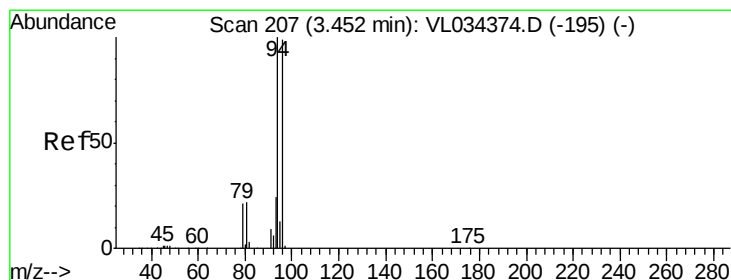
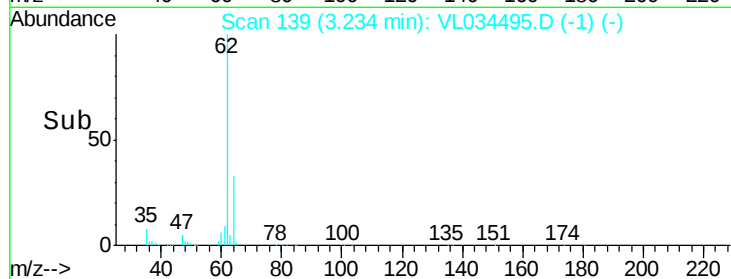
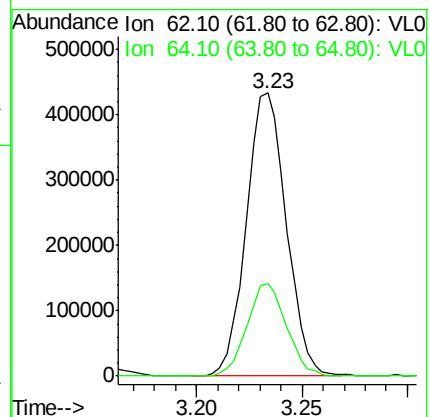
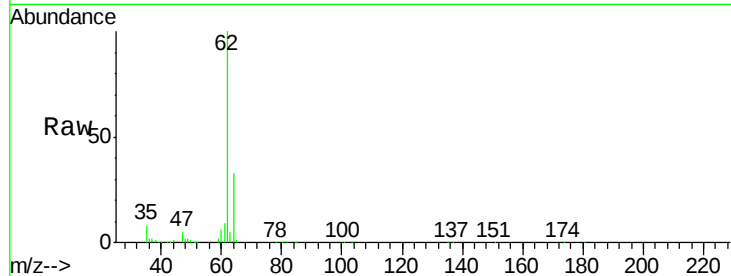
64 32.8 28.4 42.6

Manual Integrations

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#6

Bromomethane

Concen: 9.733 ppbv

RT: 3.45 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL034495.D

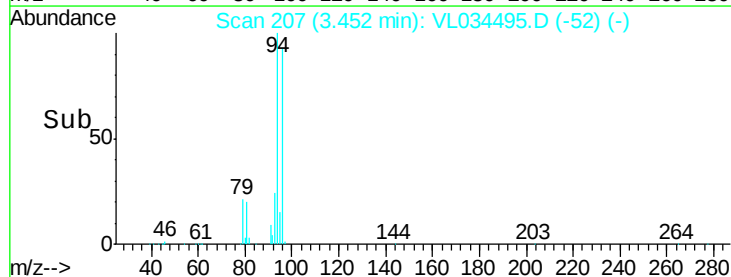
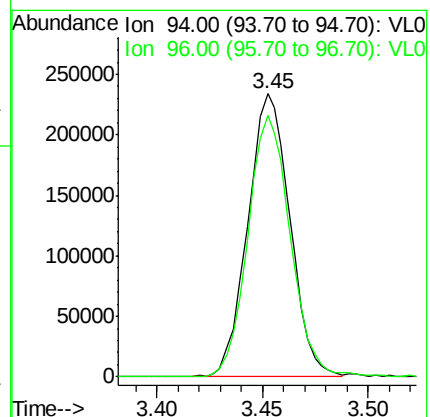
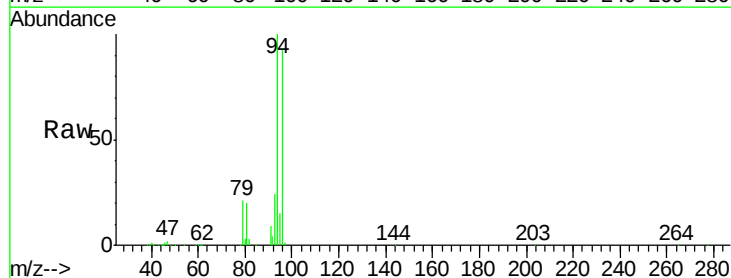
Acq: 17 Dec 2019 15:55

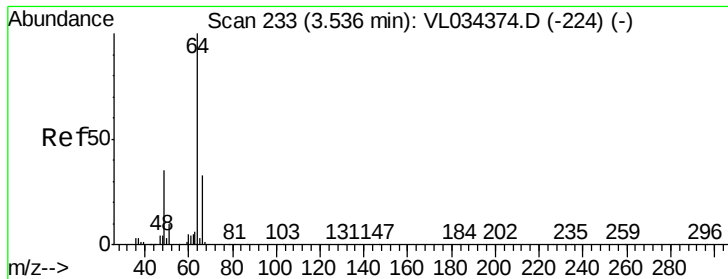
Tgt Ion: 94 Resp: 324925

Ion Ratio Lower Upper

94 100

96 92.6 79.5 119.3





#7

Chloroethane

Concen: 8.983 ppbv

RT: 3.54 min Scan# 233

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion: 64 Resp: 216334

Ion Ratio Lower Upper

64 100

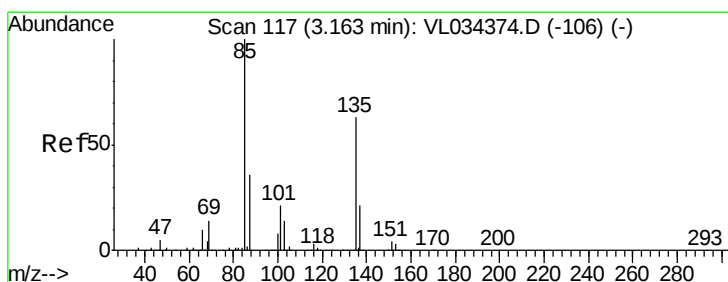
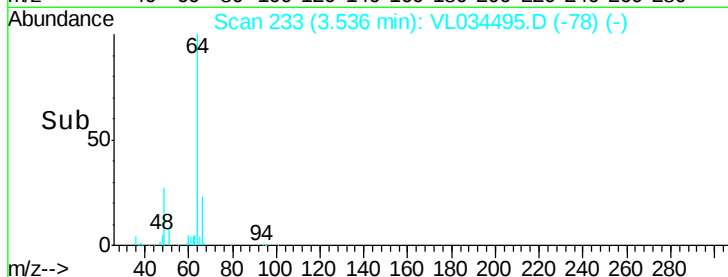
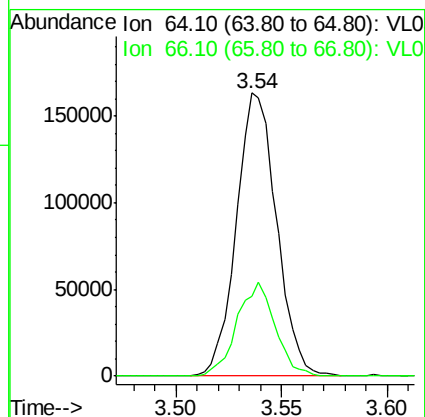
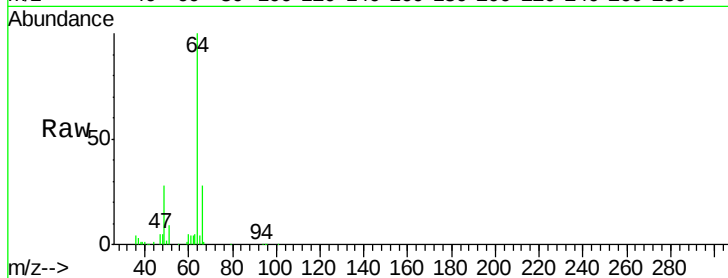
66 28.1 26.0 39.0

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#8

Dichlorotetrafluoroethane

Concen: 8.795 ppbv

RT: 3.16 min Scan# 117

Delta R.T. -0.00 min

Lab File: VL034495.D

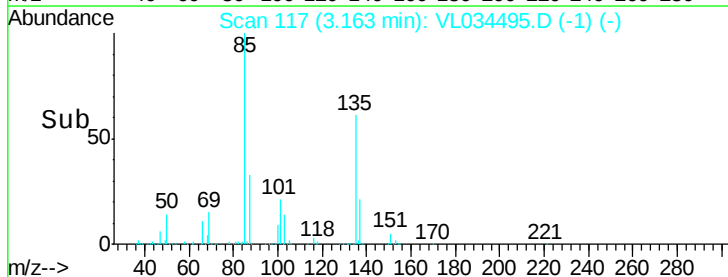
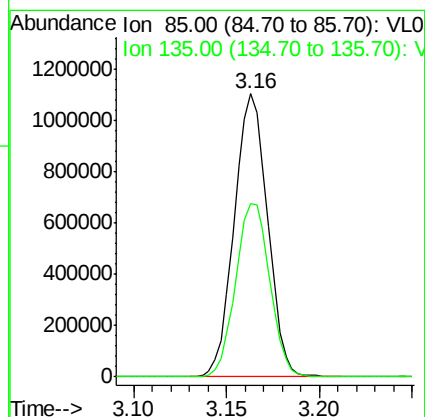
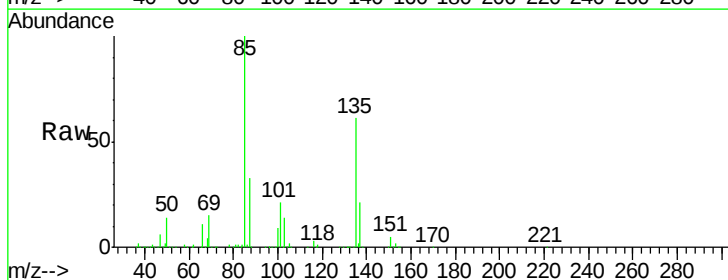
Acq: 17 Dec 2019 15:55

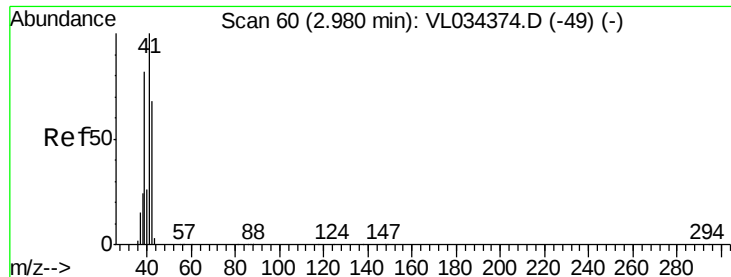
Tgt Ion: 85 Resp: 1374811

Ion Ratio Lower Upper

85 100

135 63.3 51.1 76.7





#9

Propene

Concen: 8.028 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion: 41 Resp: 427899

Ion Ratio Lower Upper

41 100

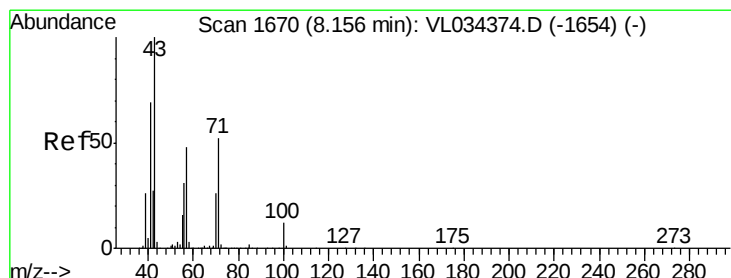
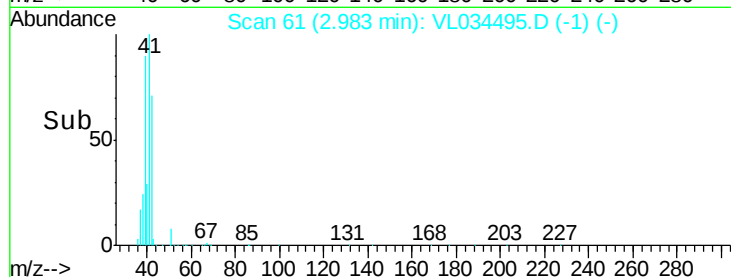
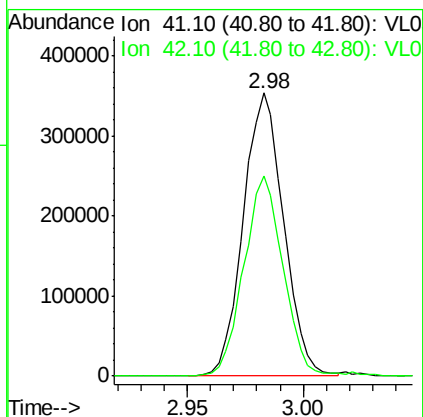
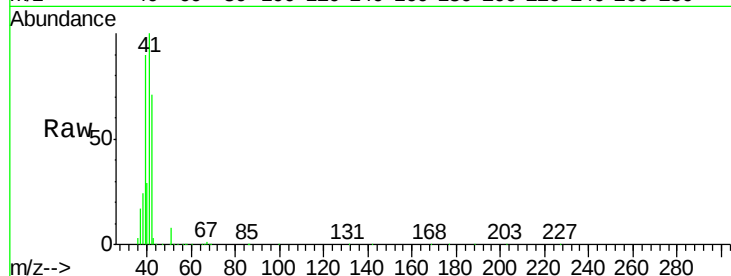
42 69.4 54.6 82.0

Manual Integrations

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#10

Heptane

Concen: 8.561 ppbv

RT: 8.15 min Scan# 1669

Delta R.T. -0.00 min

Lab File: VL034495.D

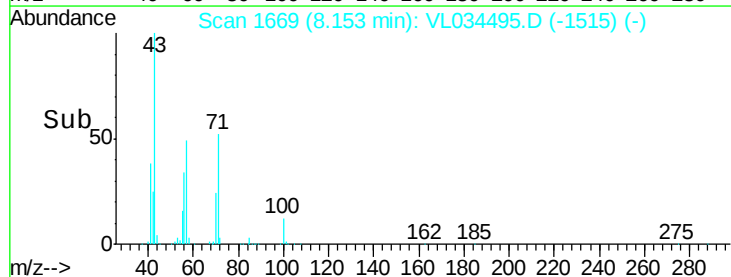
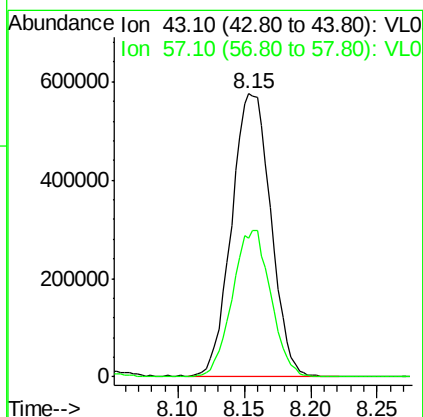
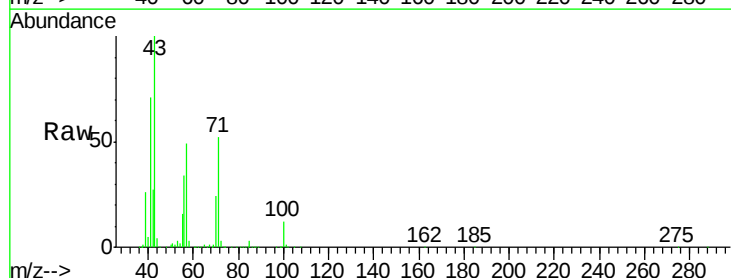
Acq: 17 Dec 2019 15:55

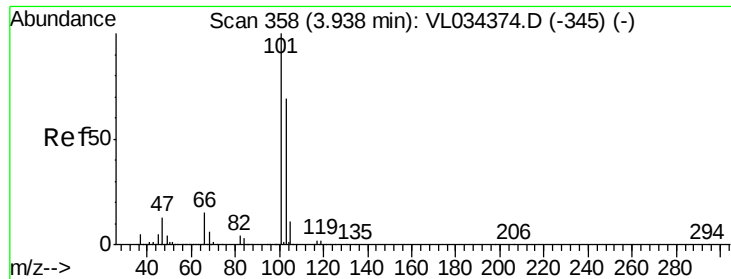
Tgt Ion: 43 Resp: 1177601

Ion Ratio Lower Upper

43 100

57 50.9 40.2 60.2





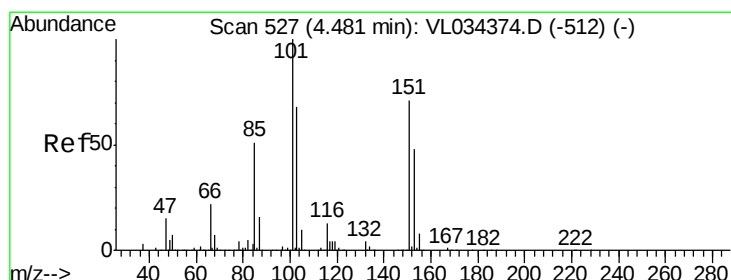
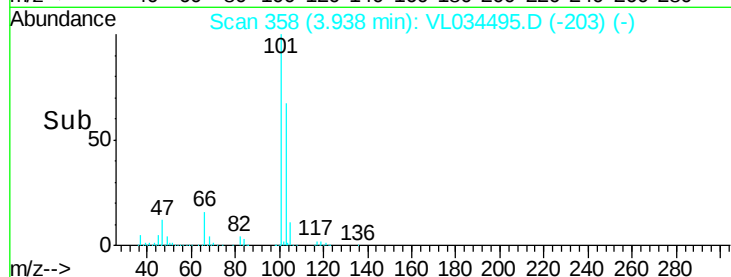
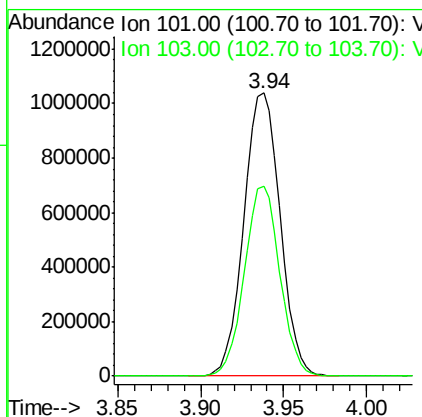
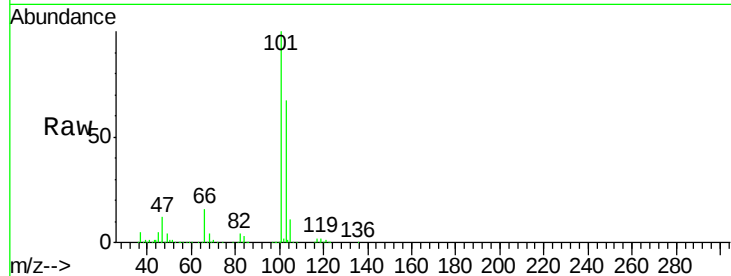
#11
 Trichlorofluoromethane
 Concen: 9.138 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.00 min
 Lab File: VL034495.D
 Acq: 17 Dec 2019 15:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1217ABS01

Tot Ion:101 Resp: 1583143
 Ion Ratio Lower Upper
 101 100
 103 67.3 55.4 83.0

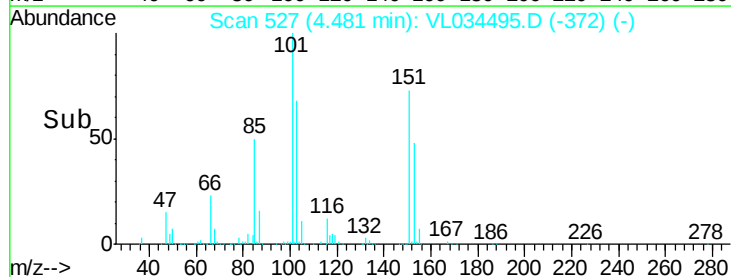
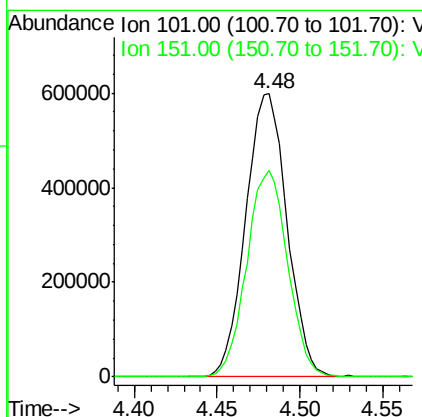
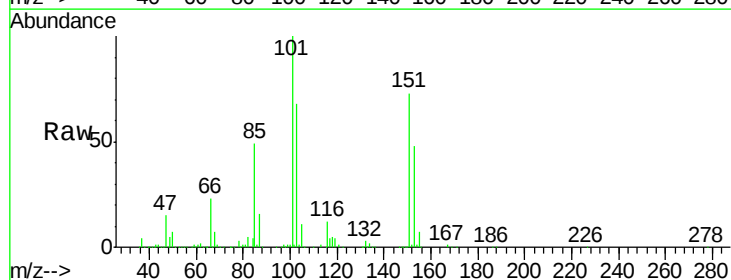
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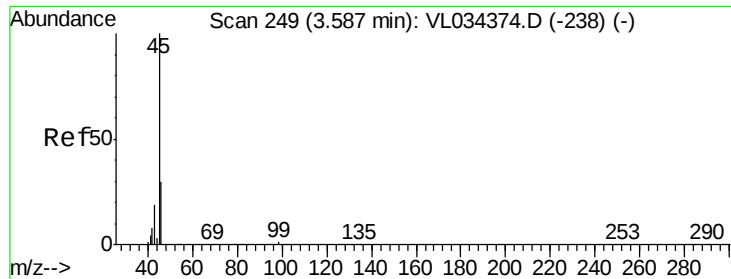
MMDadoda
 12/19/2019 3:46:55 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.029 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL034495.D
 Acq: 17 Dec 2019 15:55

Tgt Ion:101 Resp: 1038781
 Ion Ratio Lower Upper
 101 100
 151 72.3 57.4 86.2





#13

Ethanol

Concen: 7.492 ppbv

RT: 3.59 min Scan# 249

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion: 45 Resp: 111238

Ion Ratio Lower Upper

45 100

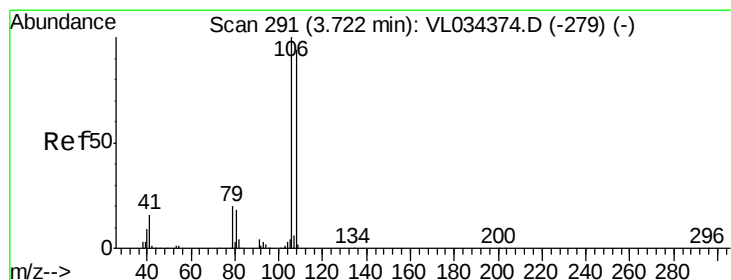
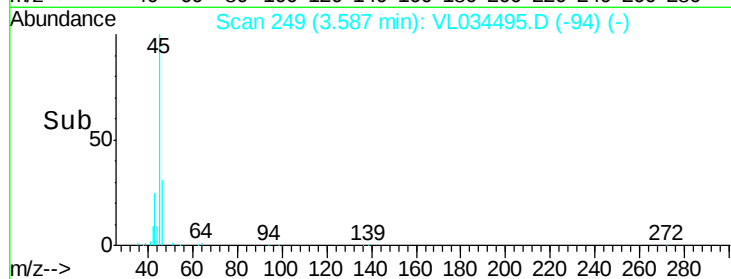
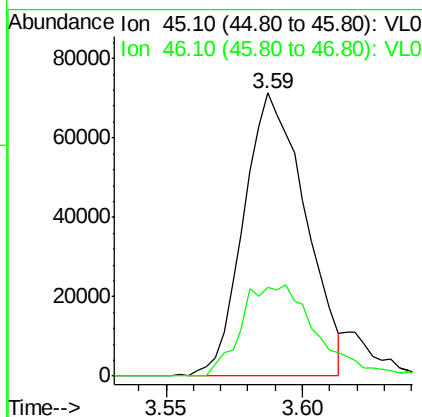
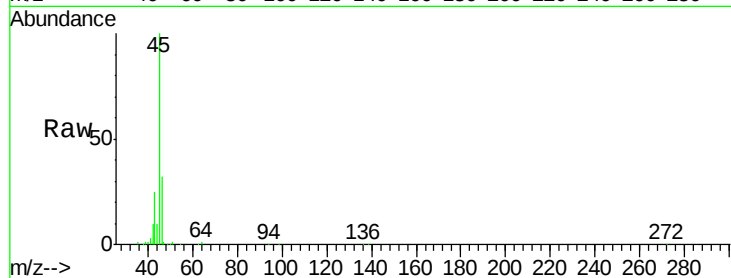
46 40.7 13.8 55.4

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#14

Bromoethene

Concen: 8.890 ppbv

RT: 3.72 min Scan# 291

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

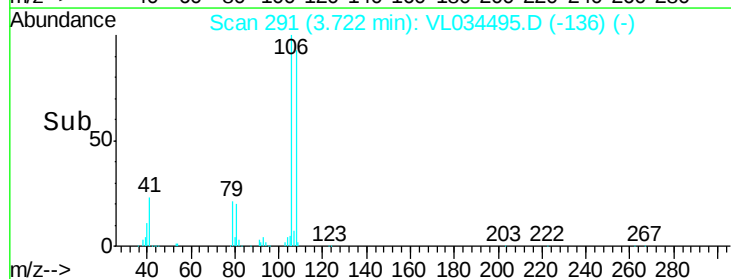
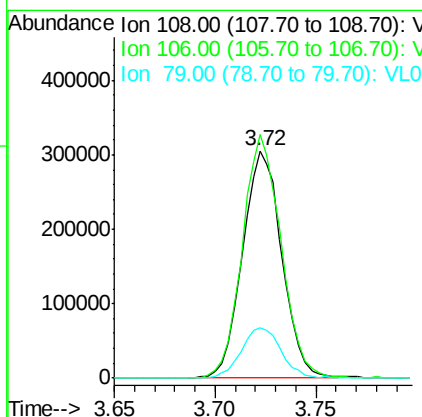
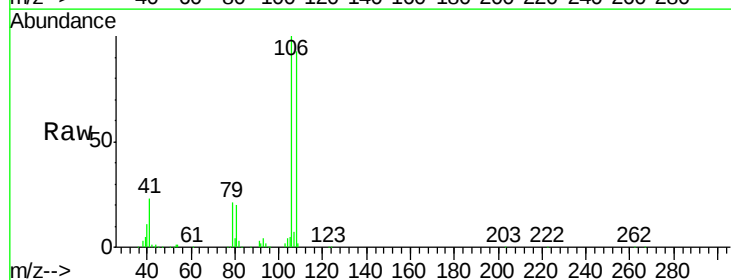
Tgt Ion: 108 Resp: 415863

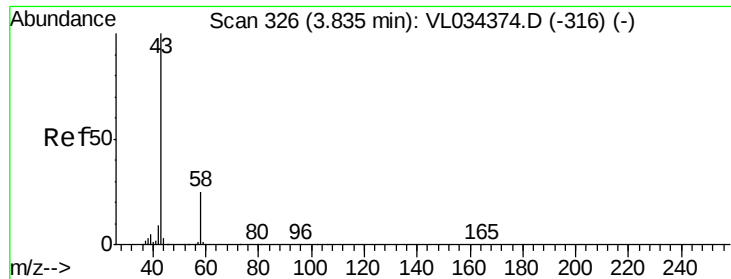
Ion Ratio Lower Upper

108 100

106 106.5 85.7 128.5

79 22.7 17.2 25.8





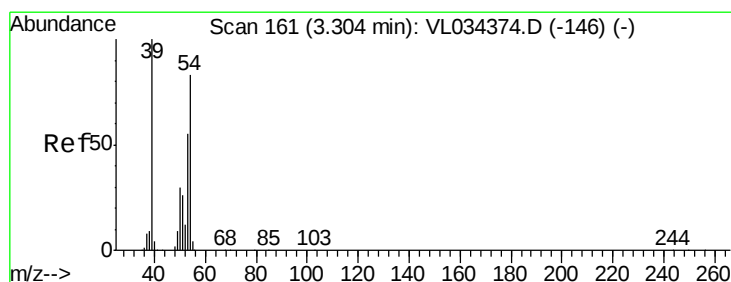
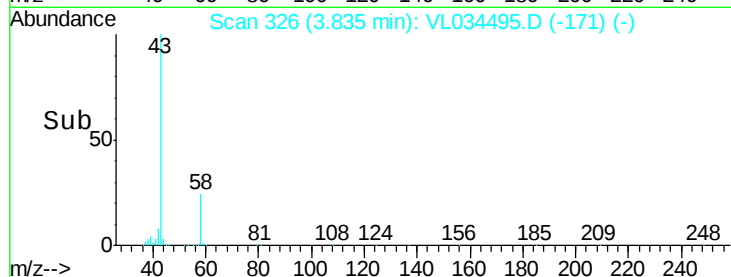
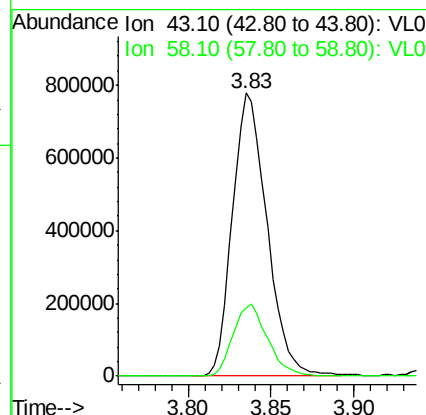
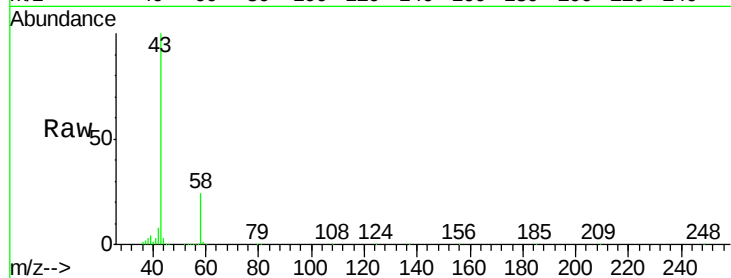
#15
Acetone
Concen: 8.189 ppbv
RT: 3.83 min Scan# 326
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tot Ion: 43 Resp: 1128347
Ion Ratio Lower Upper
43 100
58 25.6 20.2 30.4

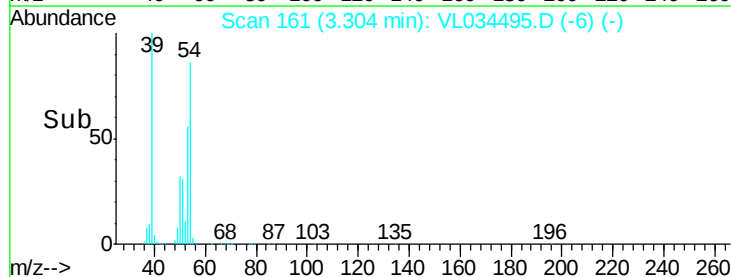
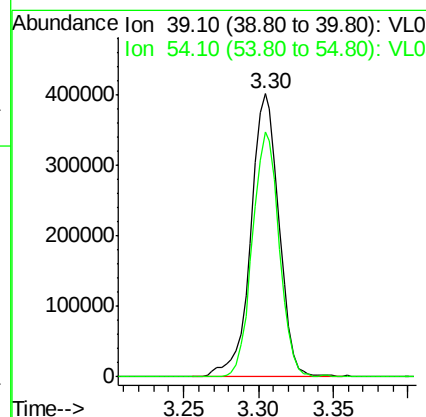
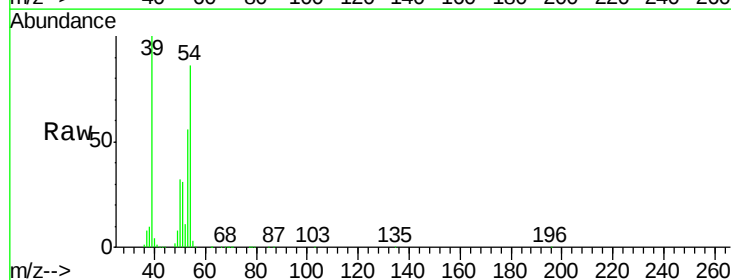
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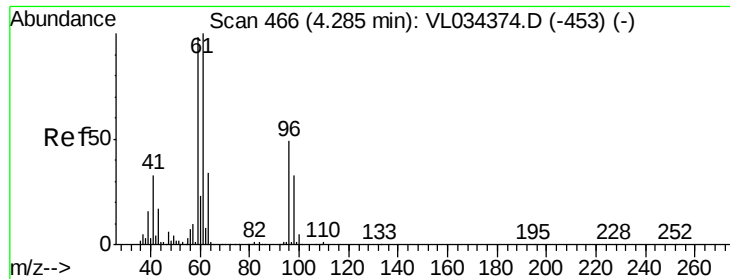
MMDadoda
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#16
1,3-Butadiene
Concen: 8.720 ppbv
RT: 3.30 min Scan# 161
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion: 39 Resp: 523369
Ion Ratio Lower Upper
39 100
54 83.1 64.7 97.1





#17

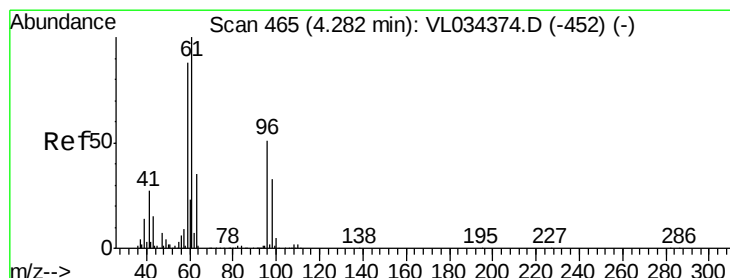
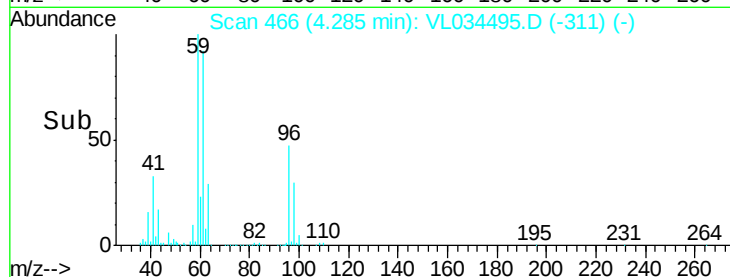
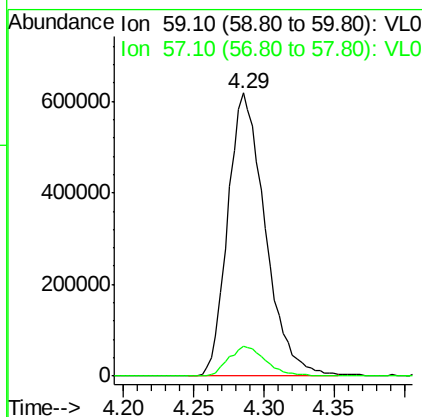
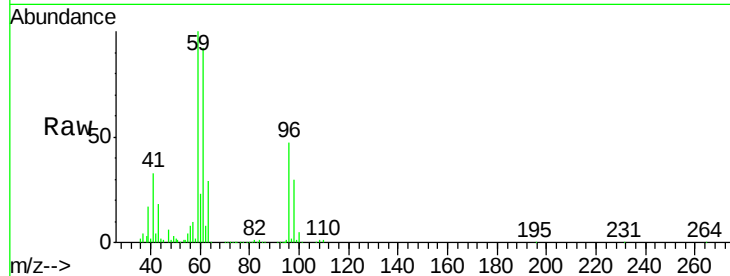
tert-Butyl alcohol
Concen: 9.919 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tot Ion: 59 Resp: 1148860
Ion Ratio Lower Upper
59 100
57 10.7 8.8 13.2

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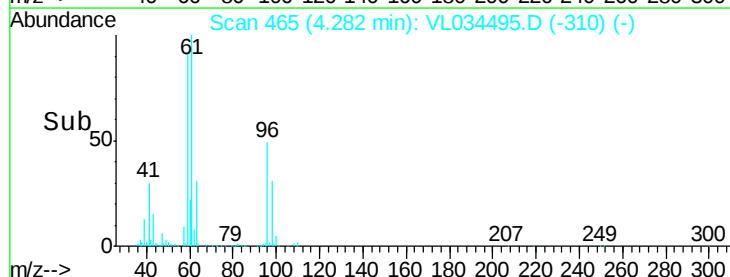
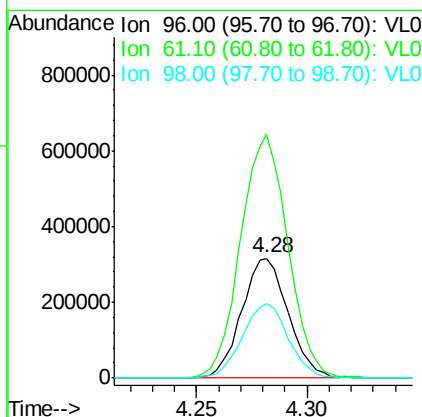
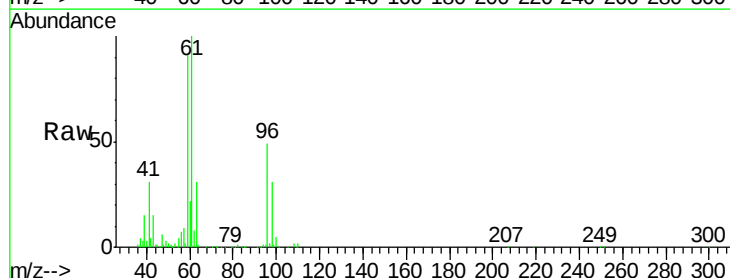
MMDadoda
12/19/2019 3:46:55 PM

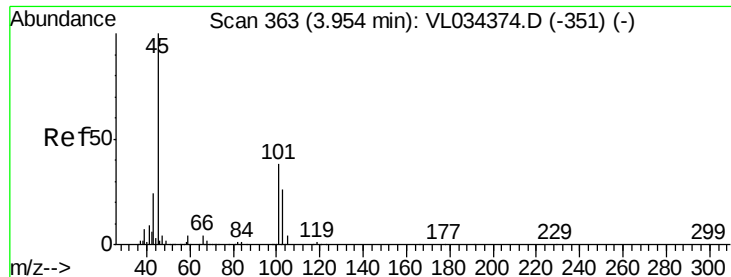


#18

1,1-Dichloroethene
Concen: 9.213 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion: 96 Resp: 463669
Ion Ratio Lower Upper
96 100
61 202.7 155.6 233.4
98 62.3 51.6 77.4





#19

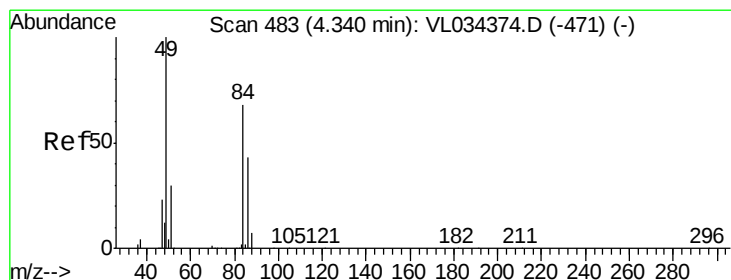
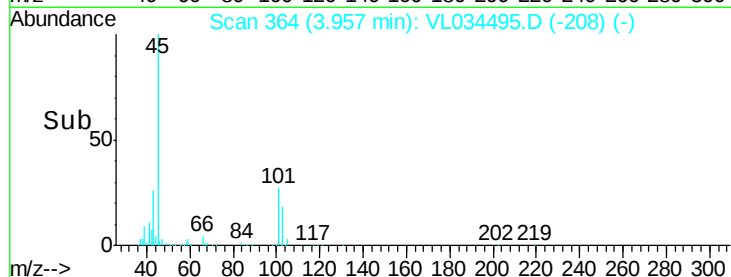
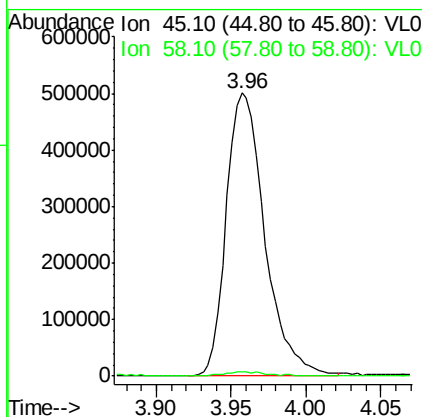
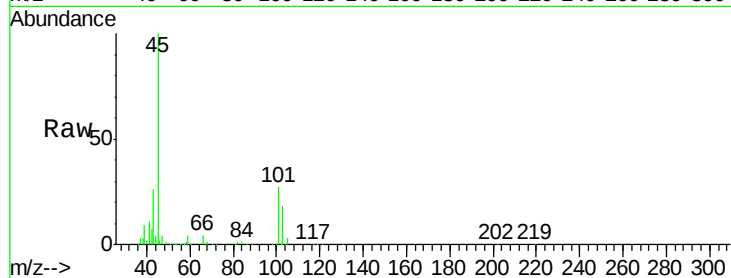
Isopropyl Alcohol
 Concen: 10.165 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VL034495.D
 Acq: 17 Dec 2019 15:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1217ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.0	1.3	1.9#

Manual Integrations
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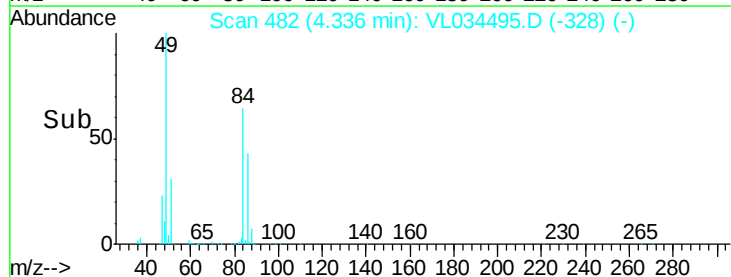
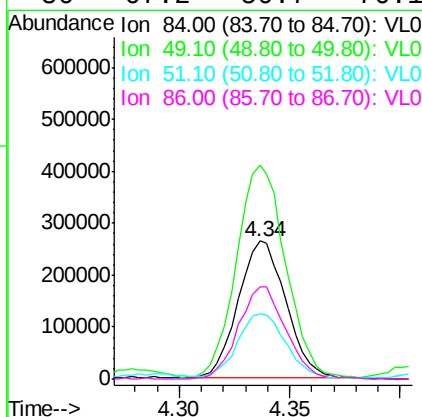
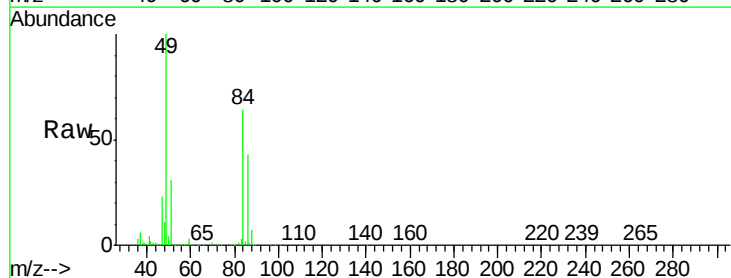
MMDadoda
 12/19/2019 3:46:55 PM

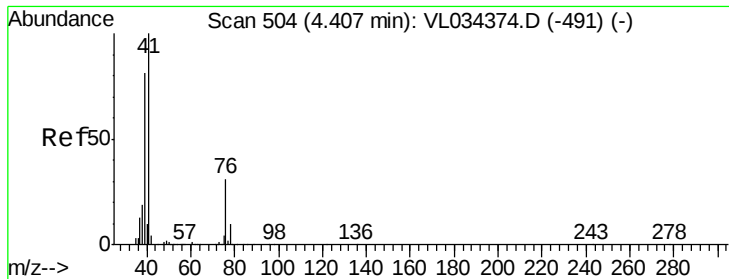


#20

Methylene Chloride
 Concen: 8.150 ppbv
 RT: 4.34 min Scan# 482
 Delta R.T. -0.00 min
 Lab File: VL034495.D
 Acq: 17 Dec 2019 15:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	154.1	116.8	175.2
51	46.8	35.6	53.4
86	67.2	50.7	76.1





#21

Allvl Chloride

Concen: 9.172 ppbv

RT: 4.41 min Scan# 504

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Instrument :

MSVOA_L

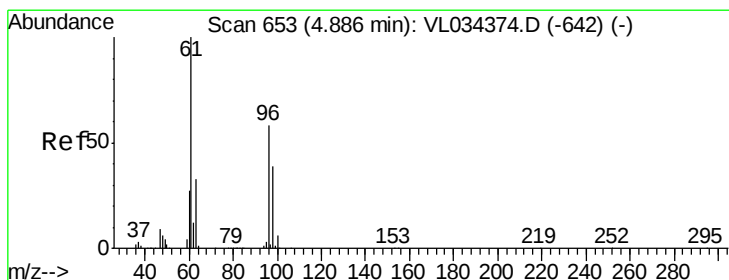
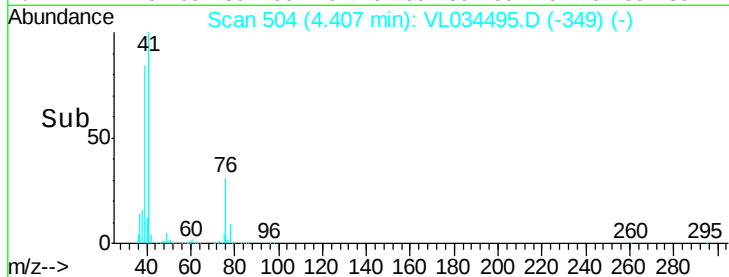
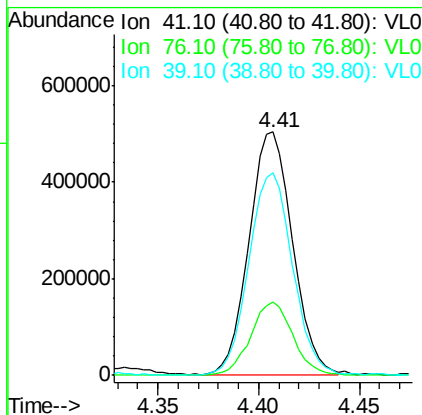
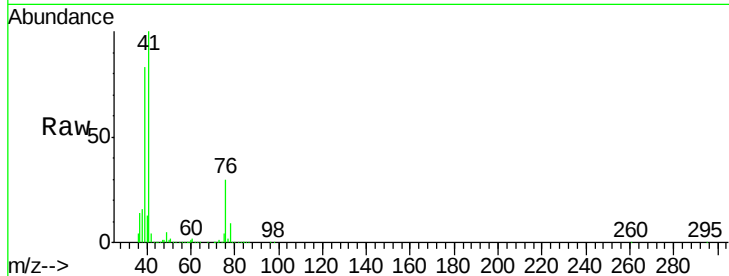
ClientSampleId :

VL1217ABS01

Tot Ion:	41	Resp:	757311
Ion Ratio	Lower	Upper	
41	100		
76	29.4	24.2	36.2
39	85.1	66.9	100.3

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 8.896 ppbv

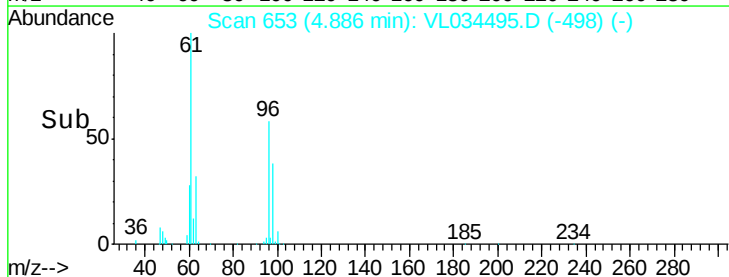
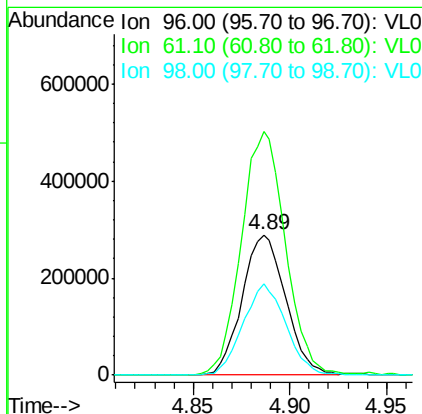
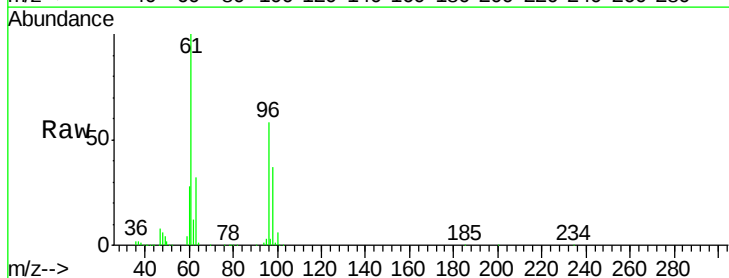
RT: 4.89 min Scan# 653

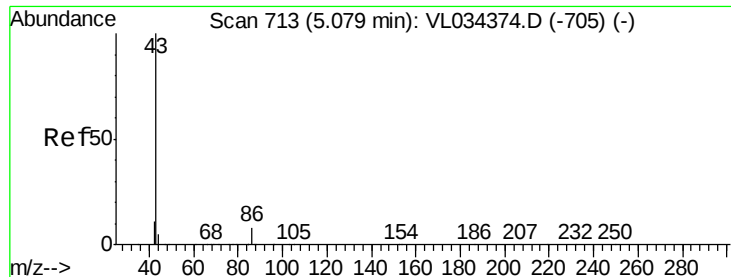
Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Tgt Ion:	96	Resp:	451306
Ion Ratio	Lower	Upper	
96	100		
61	173.1	137.9	206.9
98	64.9	53.5	80.3





#23

Vinyl Acetate

Concen: 9.044 ppbv

RT: 5.08 min Scan# 713

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion: 43 Resp: 1627847

Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.8	8.6
42	10.3	8.9	13.3
44	5.3	4.0	6.0

43 100

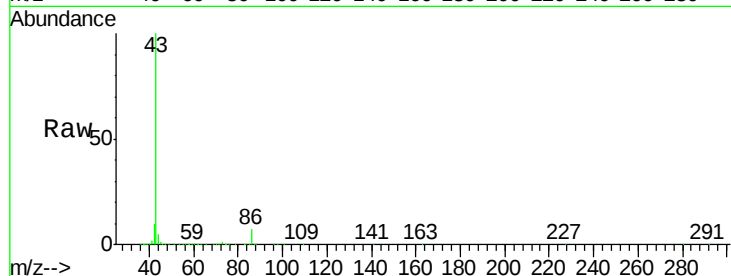
86 7.3 5.8 8.6

42 10.3 8.9 13.3

44 5.3 4.0 6.0

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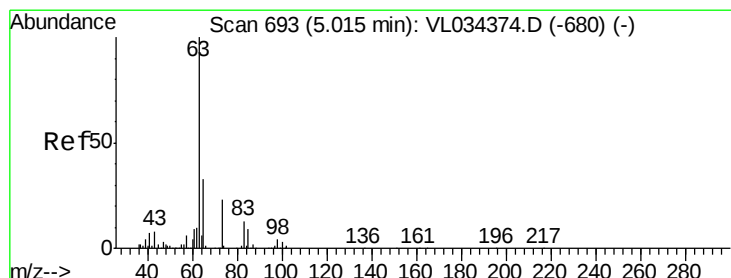
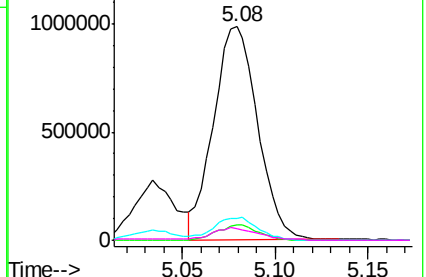
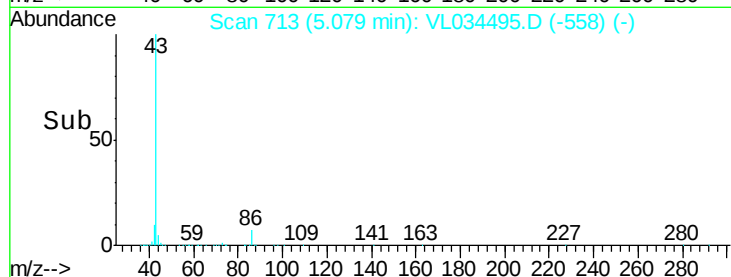
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0

Time-->



#24

1,1-Dichloroethane

Concen: 8.599 ppbv

RT: 5.01 min Scan# 693

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

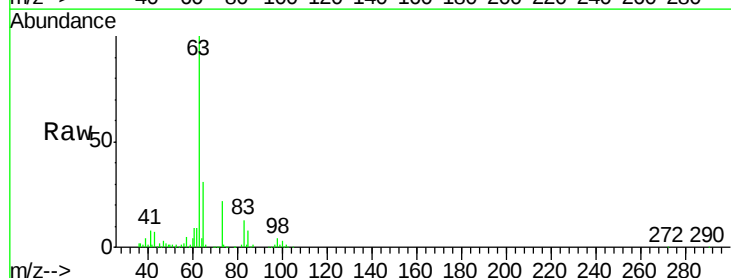
Tgt Ion: 63 Resp: 1188909

Ion	Ratio	Lower	Upper
63	100		
98	3.6	1.9	5.7
100	2.6	1.4	4.0

63 100

98 3.6 1.9 5.7

100 2.6 1.4 4.0

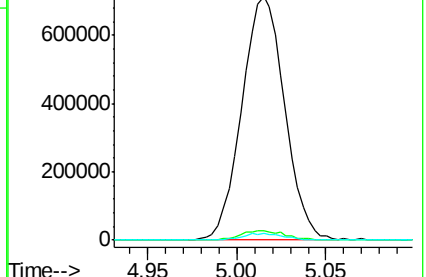
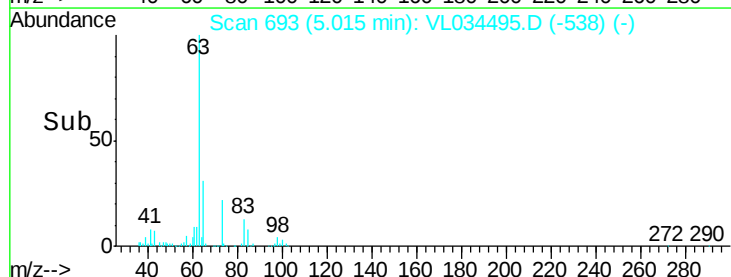


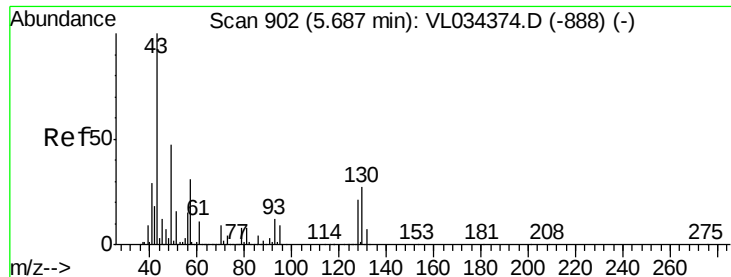
Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

Time-->





#25

Ethyl Acetate

Concen: 8.155 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion: 43 Resp: 2005099

Ion Ratio Lower Upper

43 100

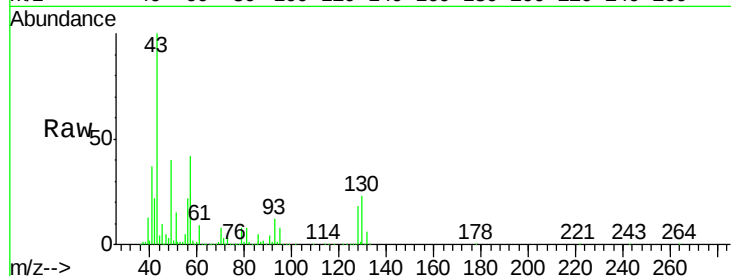
45 10.0 8.2 12.4

61 9.2 7.5 11.3

70 7.3 5.7 8.5

Manual Integrations
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MMDadoda
12/19/2019 3:46:55 PM

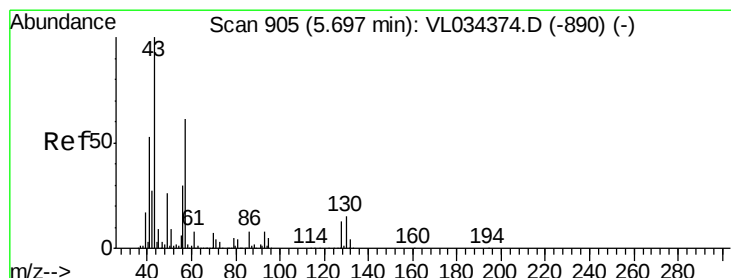
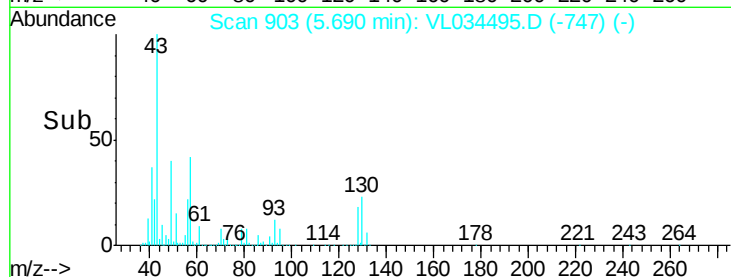
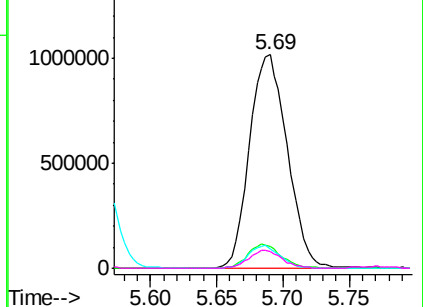


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.275 ppbv

RT: 5.70 min Scan# 905

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Tgt Ion: 57 Resp: 874324

Ion Ratio Lower Upper

57 100

41 95.7 75.0 112.4

43 231.1 186.6 279.8

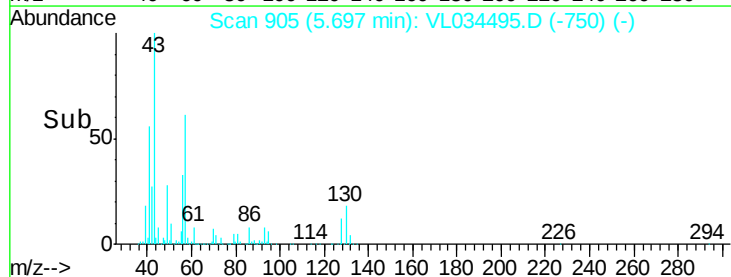
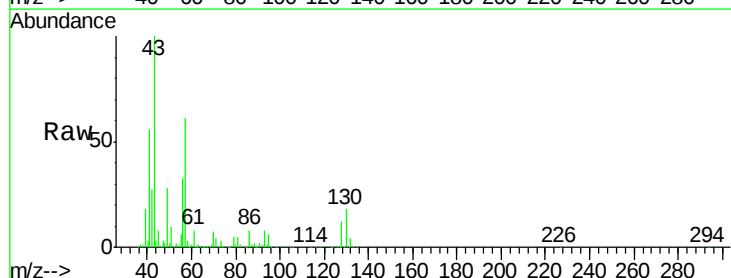
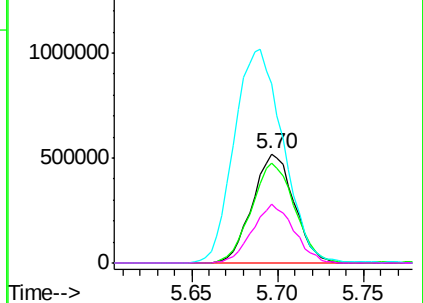
56 53.7 41.5 62.3

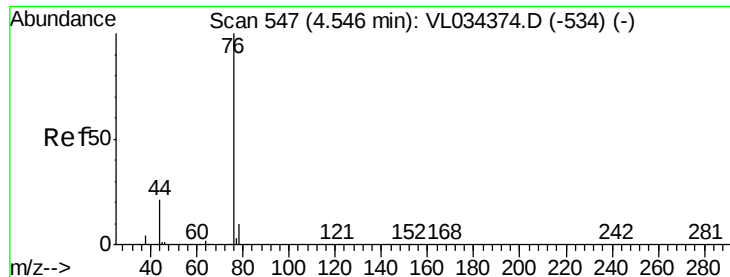
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 10.129 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion: 76 Resp: 1165620

Ion Ratio Lower Upper

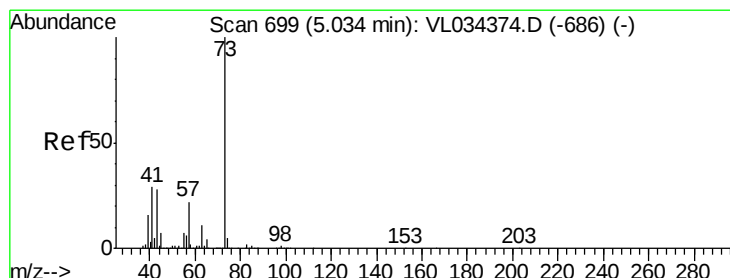
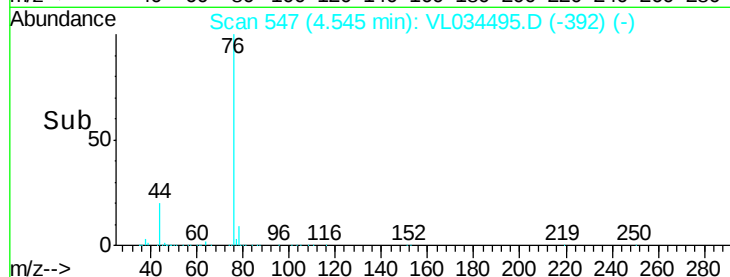
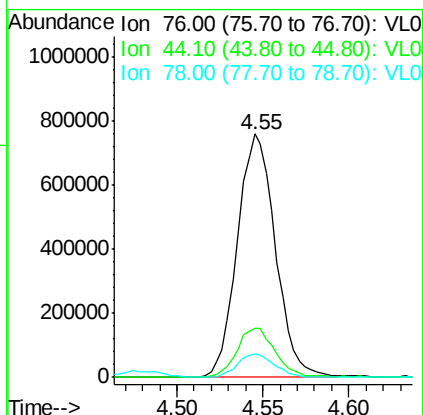
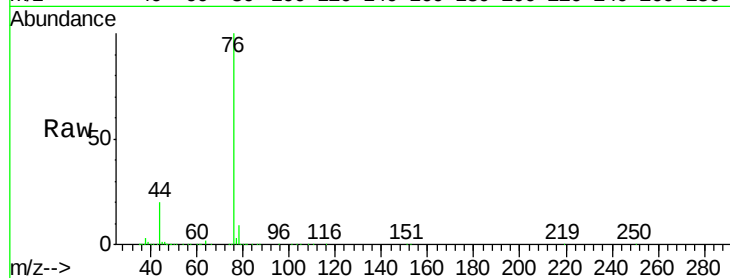
76 100

44 20.7 17.0 25.4

78 9.4 7.6 11.4

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#28

Methyl tert-Butyl Ether

Concen: 8.684 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.00 min

Lab File: VL034495.D

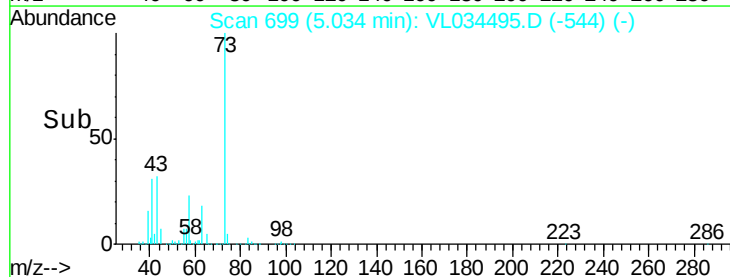
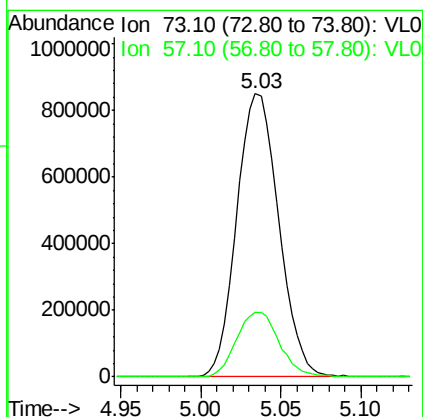
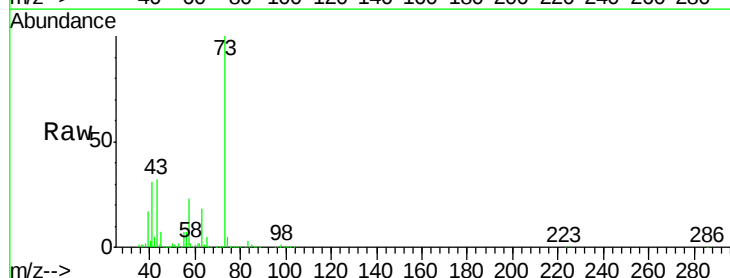
Acq: 17 Dec 2019 15:55

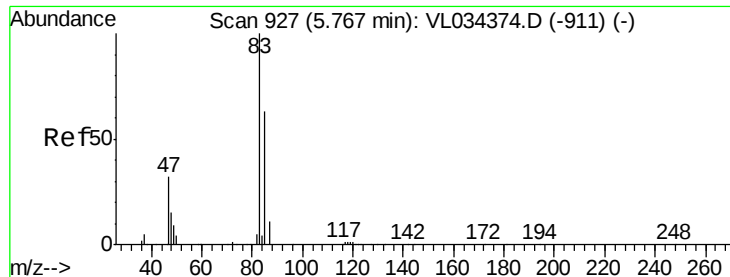
Tgt Ion: 73 Resp: 1521436

Ion Ratio Lower Upper

73 100

57 23.4 18.4 27.6





#29

Chloroform

Concen: 8.531 ppbv

RT: 5.77 min Scan# 927

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion: 83 Resp: 1459535

Ion Ratio Lower Upper

83 100

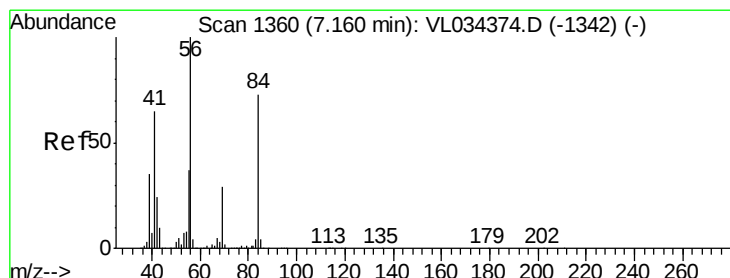
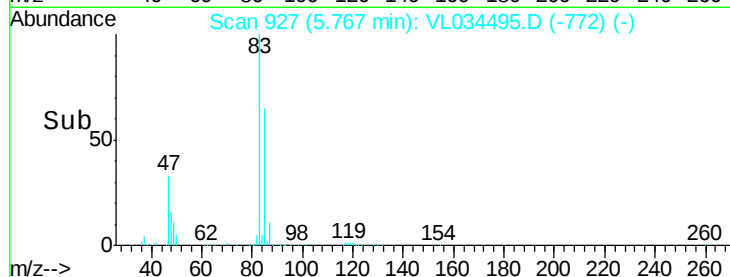
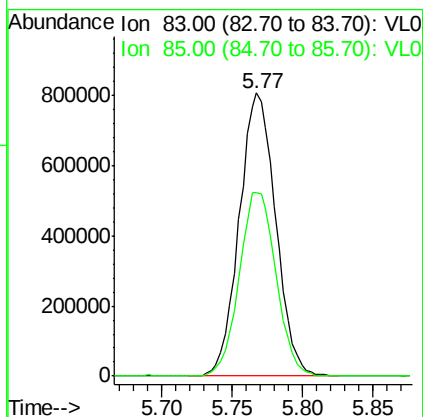
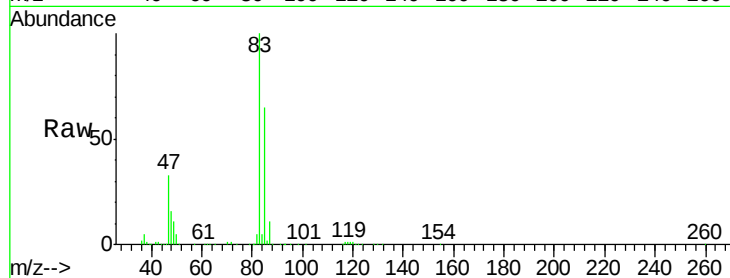
85 64.8 50.4 75.6

Manual Integrations

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#30

Cyclohexane

Concen: 8.800 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

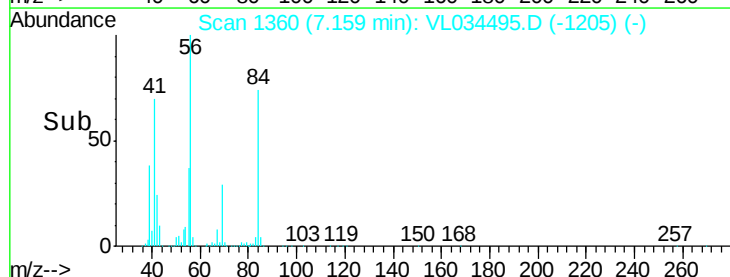
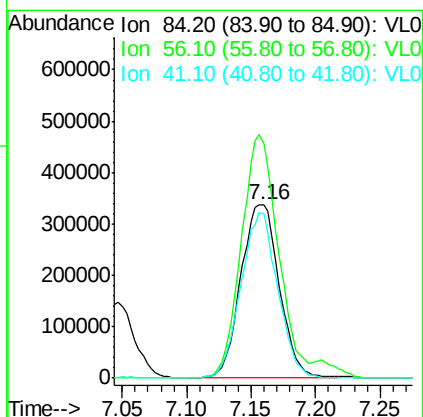
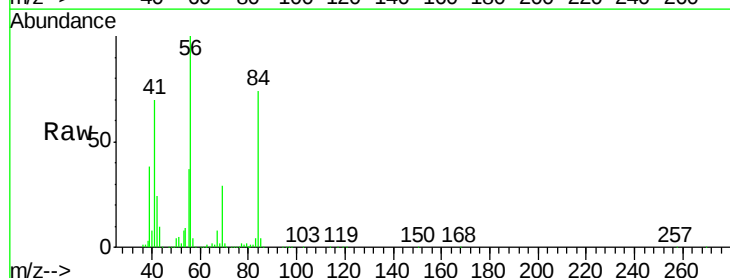
Tgt Ion: 84 Resp: 702853

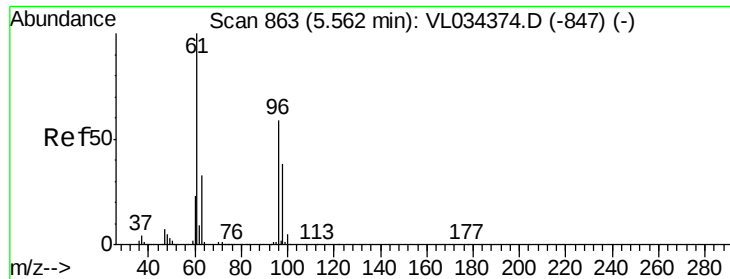
Ion Ratio Lower Upper

84 100

56 140.9 112.6 169.0

41 91.3 73.4 110.2





#31

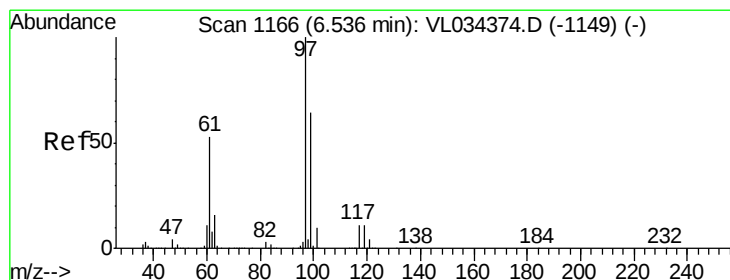
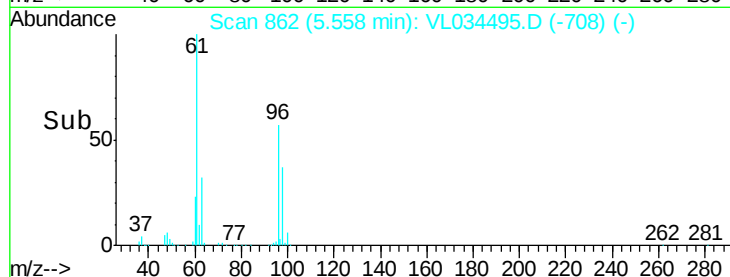
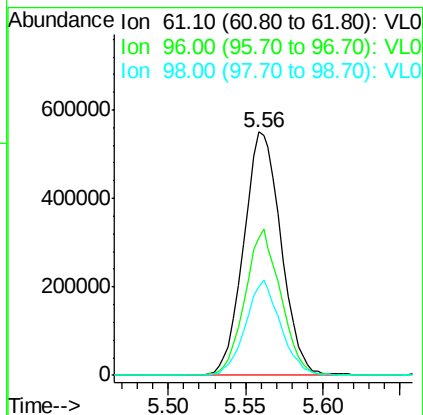
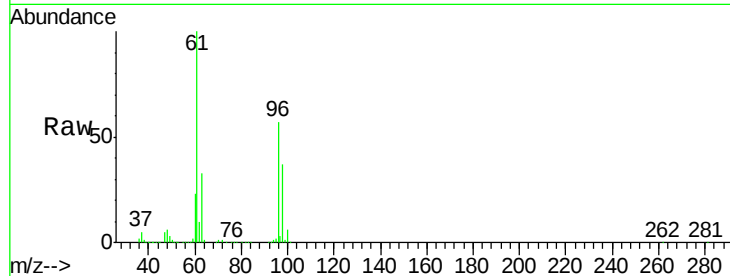
cis-1,2-Dichloroethene
Concen: 8.463 ppbv
RT: 5.56 min Scan# 862
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	56.6	47.4	71.2
98	36.6	30.6	45.8

Manual Integrations
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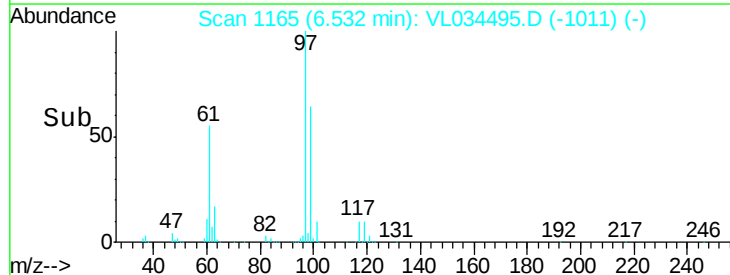
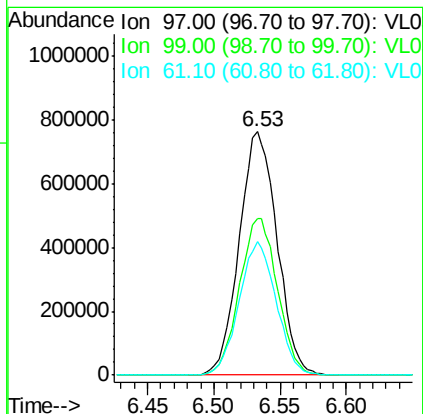
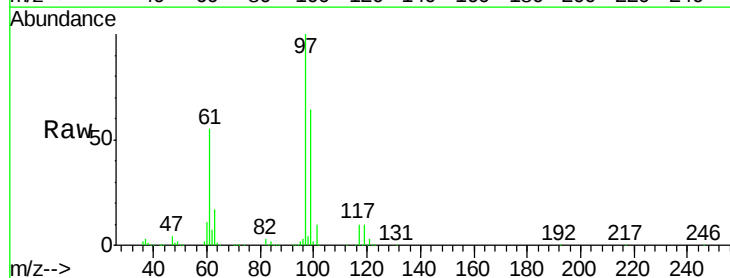
MMDadoda
12/19/2019 3:46:55 PM

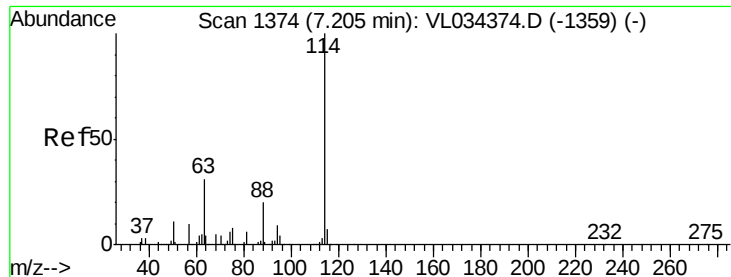


#32

1,1,1-Trichloroethane
Concen: 9.418 ppbv
RT: 6.53 min Scan# 1165
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.3	78.5
61	54.1	43.7	65.5





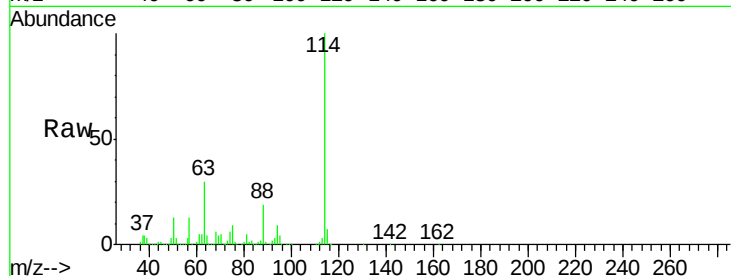
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VL034495.D
 Acq: 17 Dec 2019 15:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1217ABS01

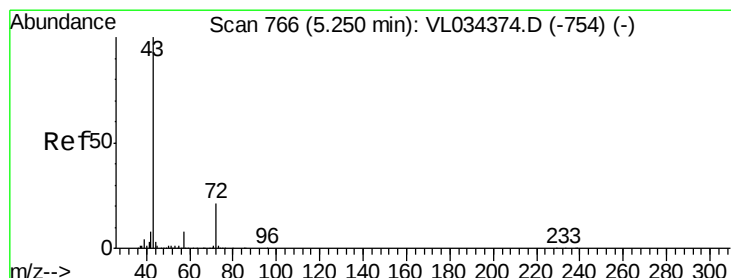
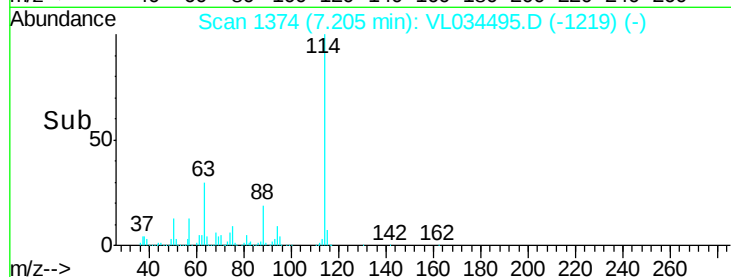
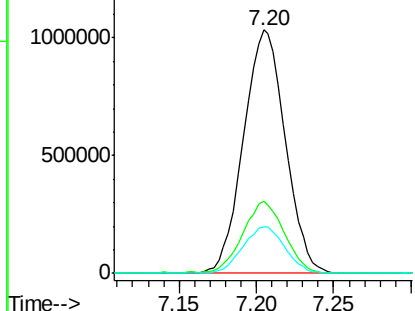
Tot Ion	Ratio	Lower	Upper
114	100		
63	30.1	24.2	36.4
88	19.4	15.9	23.9

Manual Integrations
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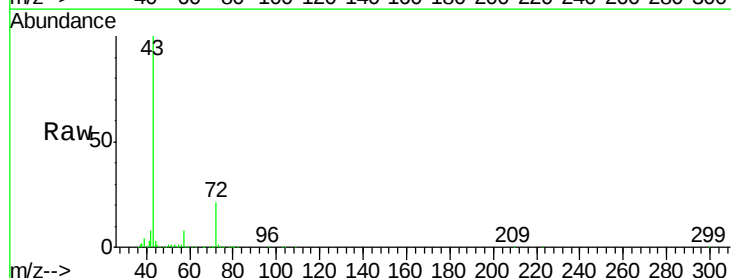


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

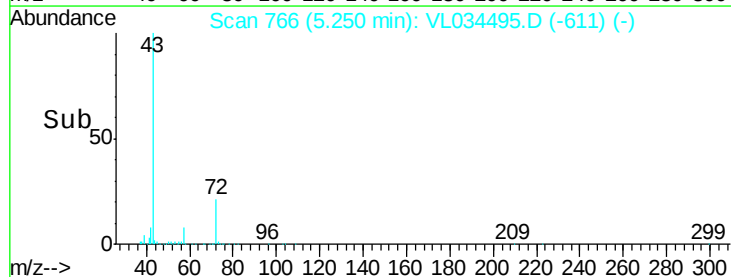
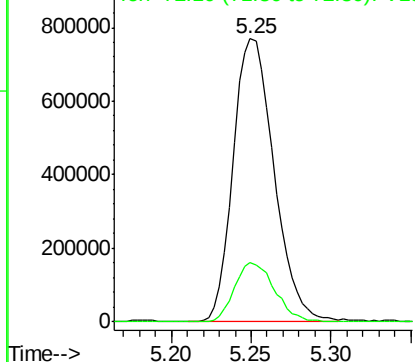


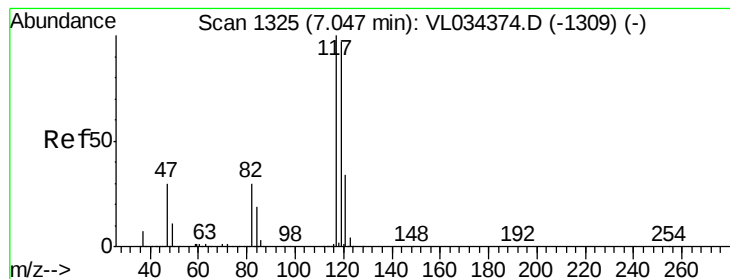
#34
 2-Butanone
 Concen: 8.362 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: VL034495.D
 Acq: 17 Dec 2019 15:55

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.6	17.0	25.6



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





#35

Carbon Tetrachloride

Concen: 9.610 ppbv

RT: 7.04 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion:117 Resp: 1602782

Ion Ratio Lower Upper

117 100

119 93.6 77.3 115.9

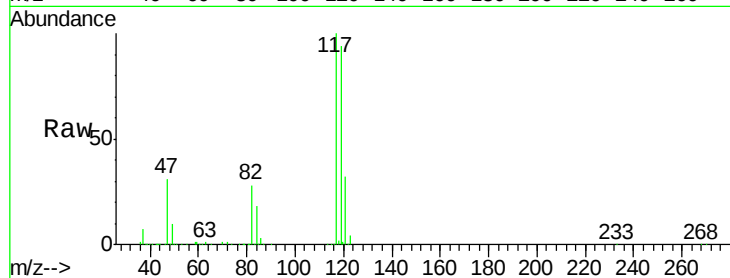
121 31.8 27.4 41.2

Manual Integrations

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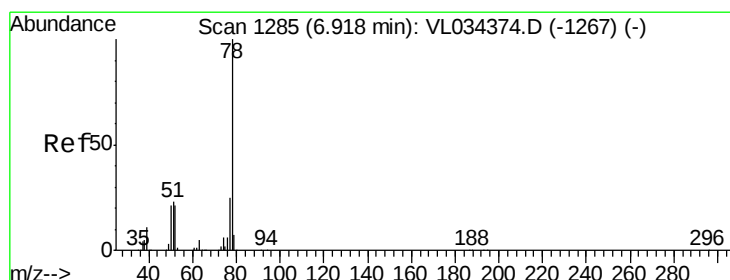
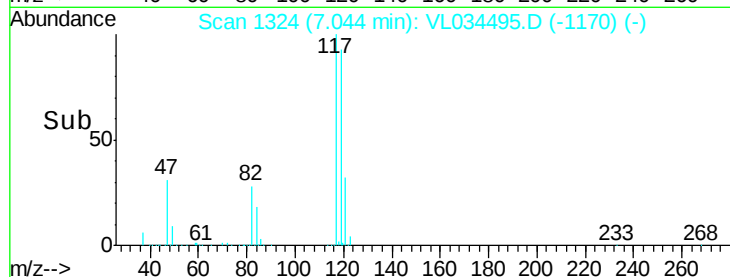
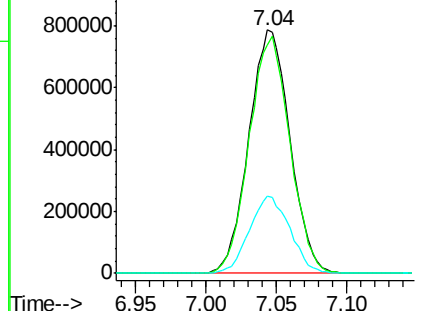
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.568 ppbv

RT: 6.92 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

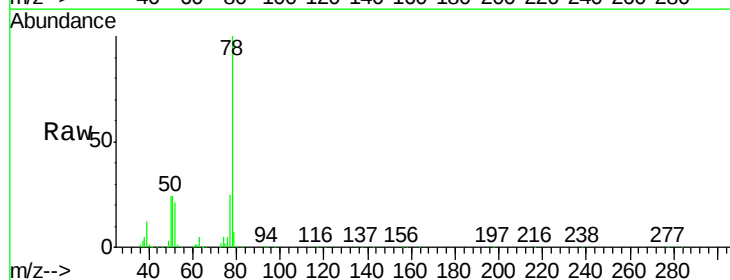
Tgt Ion: 78 Resp: 1661434

Ion Ratio Lower Upper

78 100

77 25.2 20.2 30.4

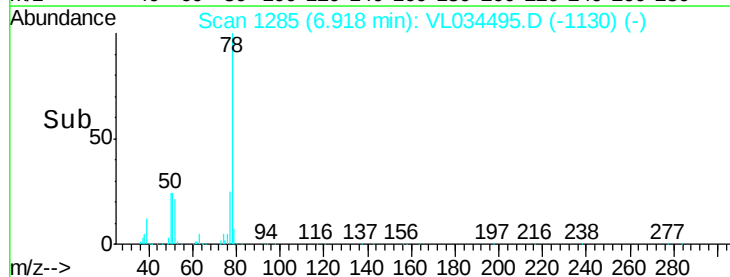
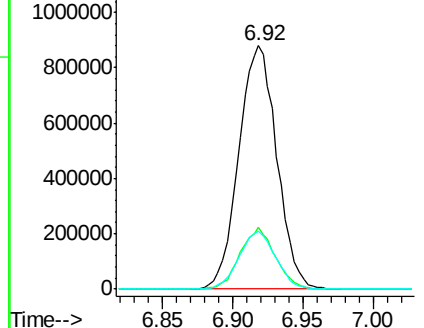
50 24.0 17.1 25.7

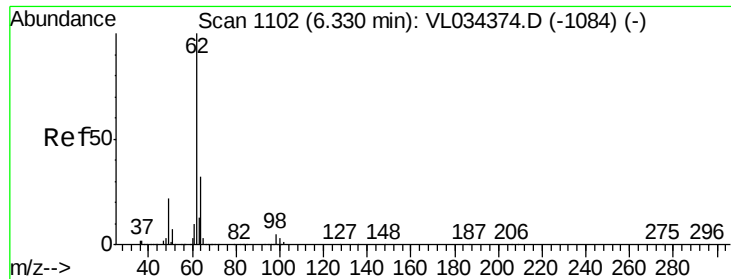


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 8.845 ppbv

RT: 6.33 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion: 62 Resp: 1274147

Ion Ratio Lower Upper

62 100

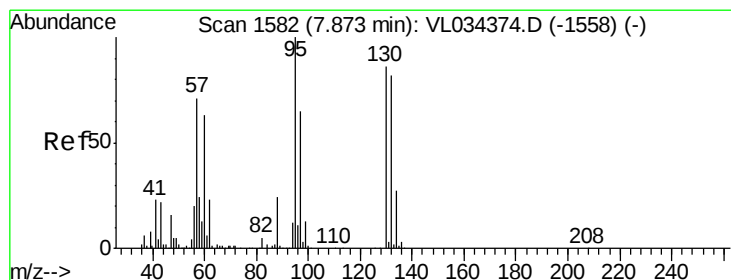
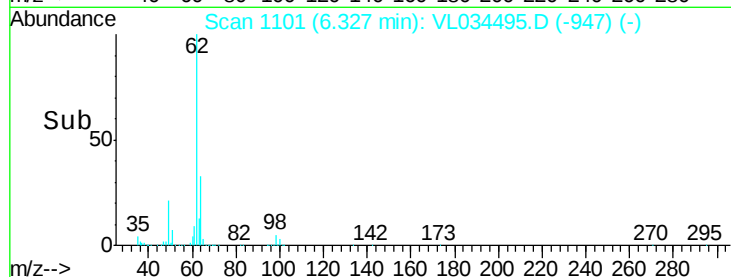
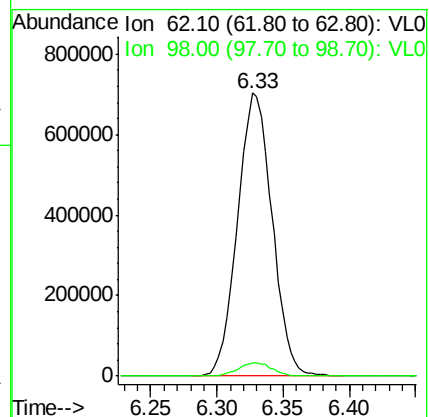
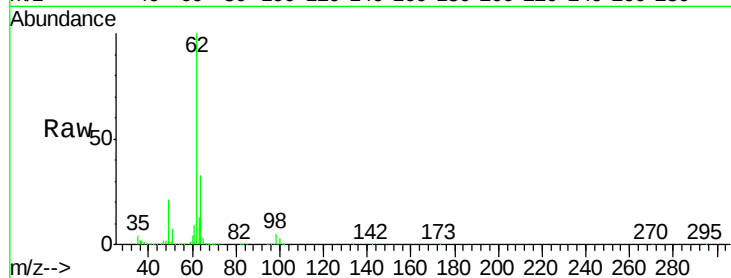
98 4.6 3.8 5.8

Manual Integrations

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#38

Trichloroethene

Concen: 8.423 ppbv

RT: 7.87 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Tgt Ion: 130 Resp: 670247

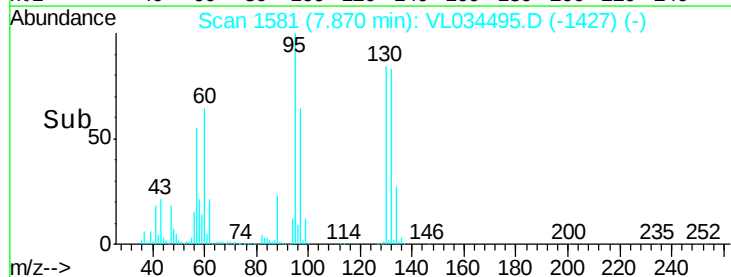
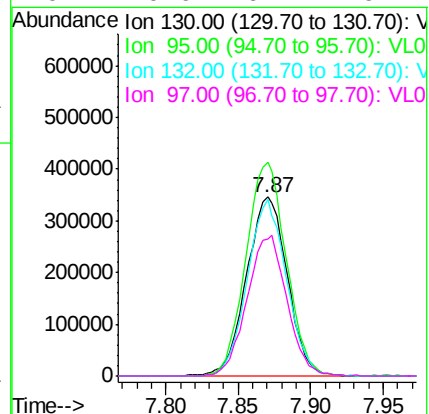
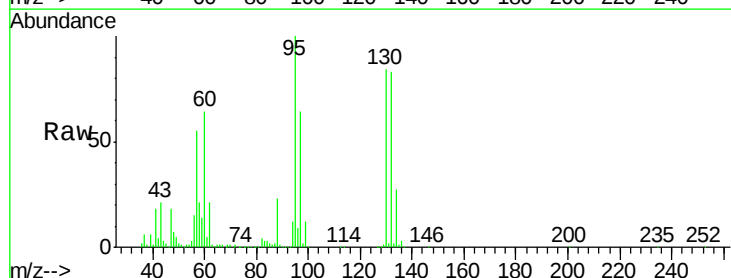
Ion Ratio Lower Upper

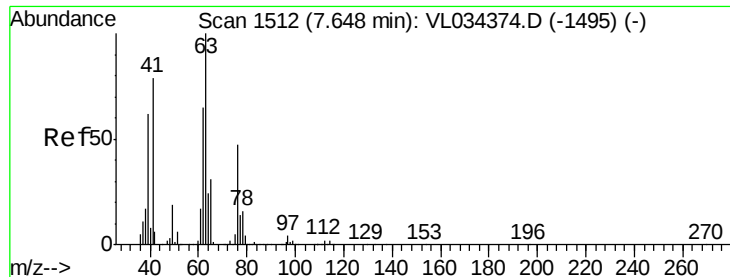
130 100

95 119.6 93.4 140.0

132 98.8 76.4 114.6

97 76.9 61.1 91.7





#39

1,2-Dichloropropane

Concen: 9.165 ppbv

RT: 7.65 min Scan# 1512

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Instrument :

MSVOA_L

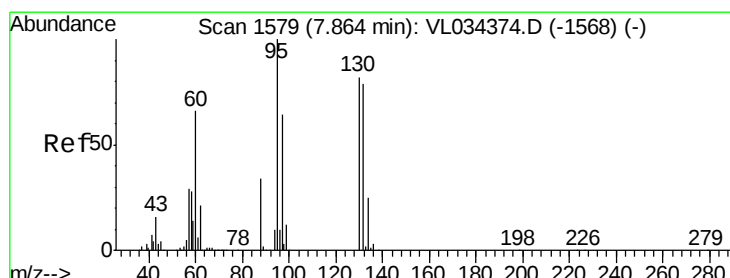
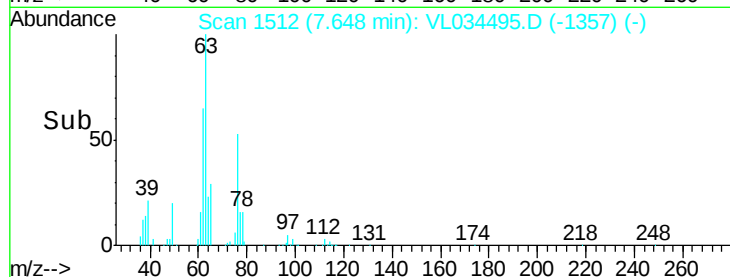
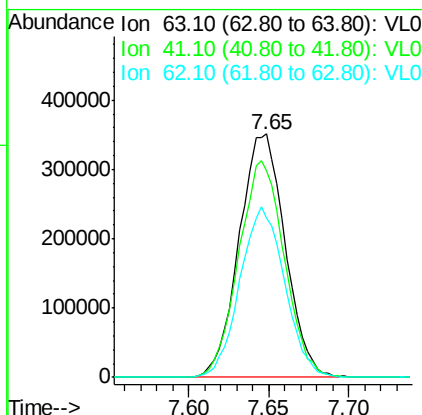
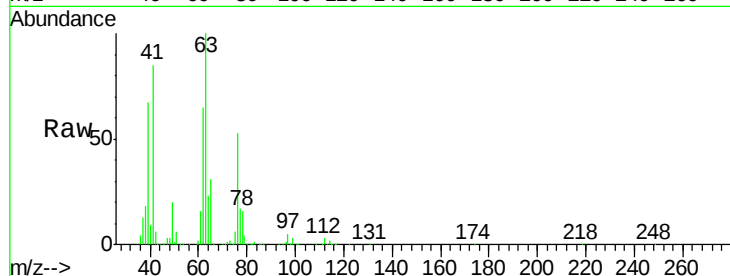
ClientSampleId :

VL1217ABS01

Tot Ion:	63	Resp:	684694
Ion	Ratio	Lower	Upper
63	100		
41	84.6	63.1	94.7
62	65.1	52.3	78.5

Manual Integrations
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#40

1,4-Dioxane

Concen: 7.771 ppbv

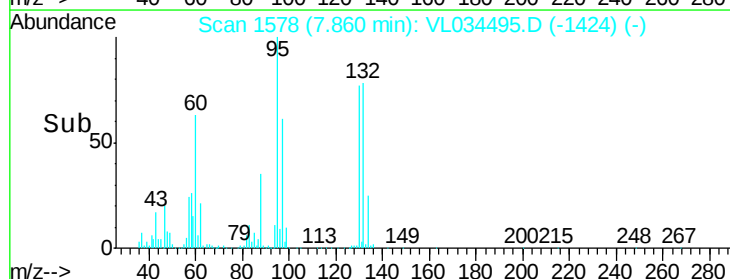
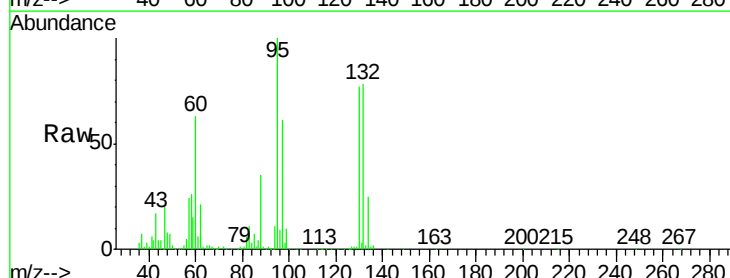
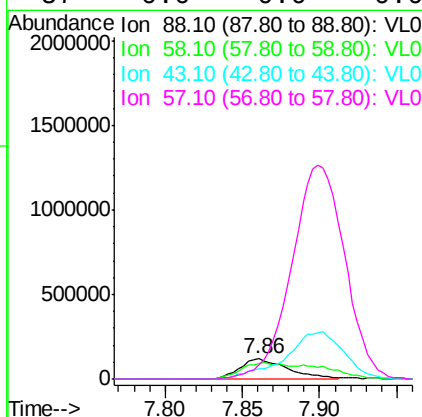
RT: 7.86 min Scan# 1578

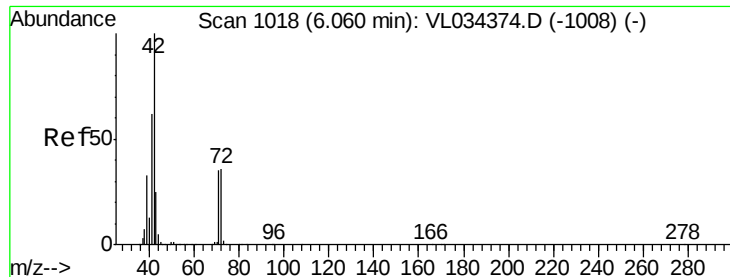
Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Tgt Ion:	88	Resp:	253601
Ion	Ratio	Lower	Upper
88	100		
58	139.6	109.5	164.3
43	0.0	0.0	0.0
57	0.0	0.0	0.0





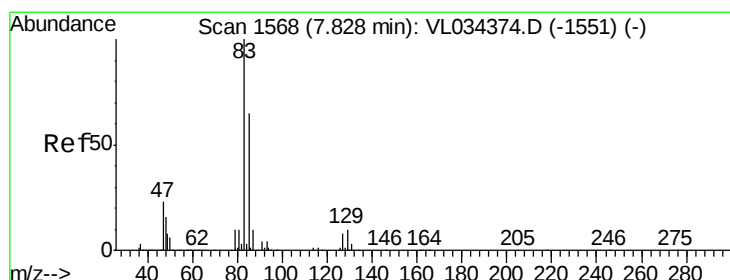
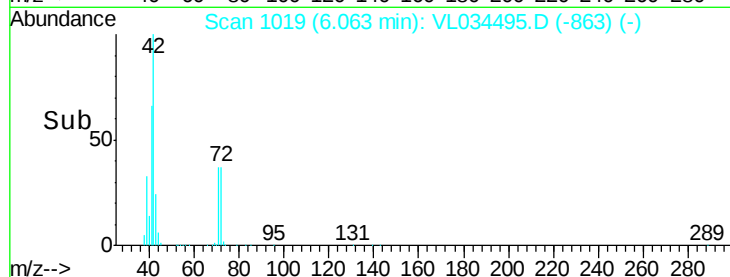
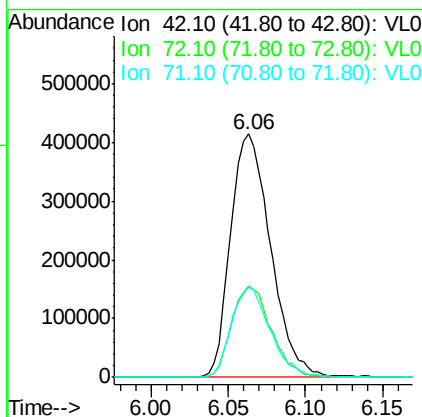
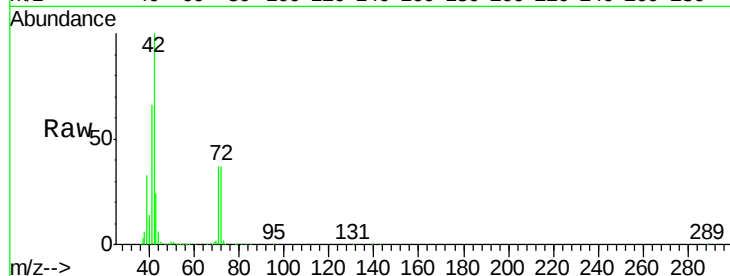
#41
Tetrahydrofuran
Concen: 8.313 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.1	30.2	45.4
71	36.1	29.4	44.2

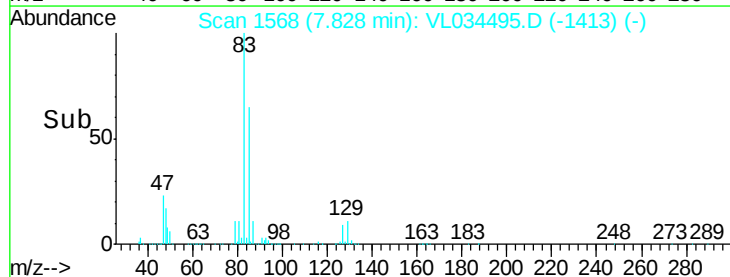
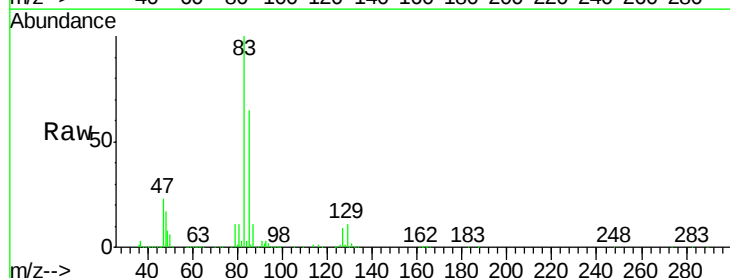
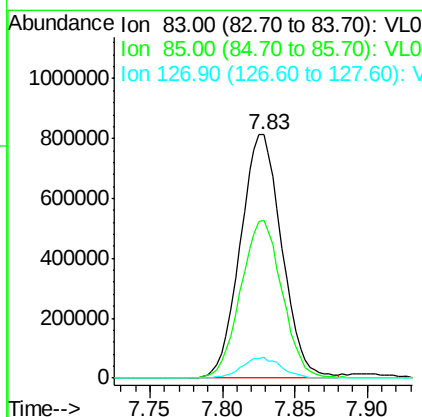
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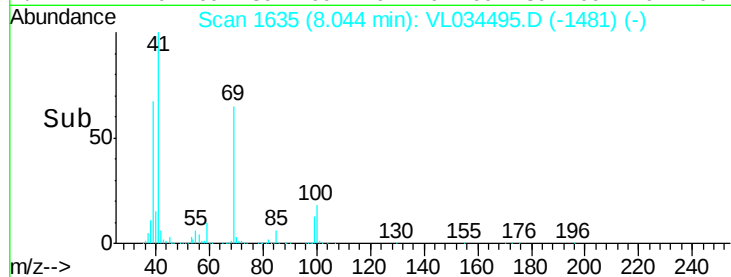
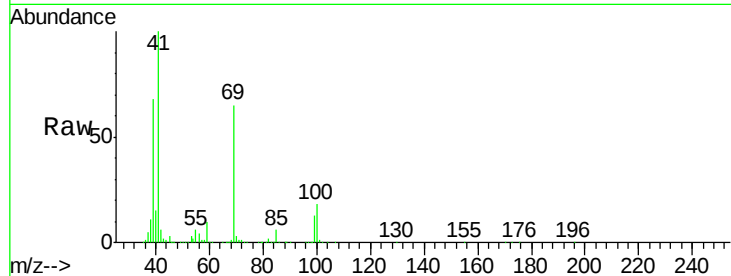
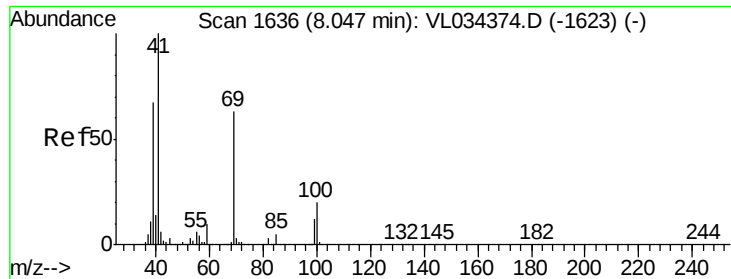
MMDadoda
12/19/2019 3:46:55 PM



#42
Bromodichloromethane
Concen: 8.979 ppbv
RT: 7.83 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.3	78.5
127	8.7	6.1	9.1





#43

Methyl Methacrylate

Concen: 8.817 ppbv

RT: 8.04 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VL034495.D

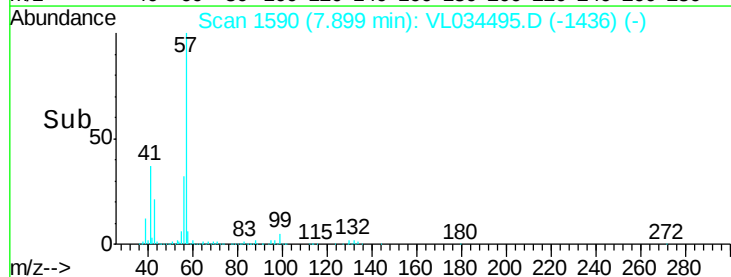
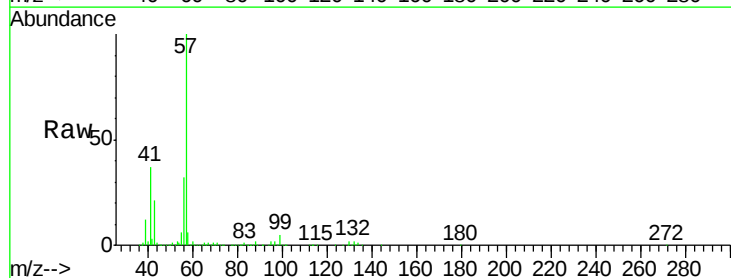
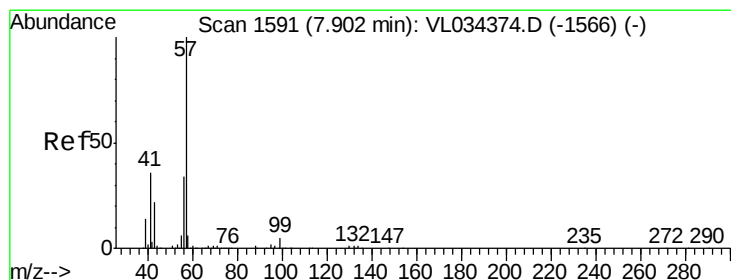
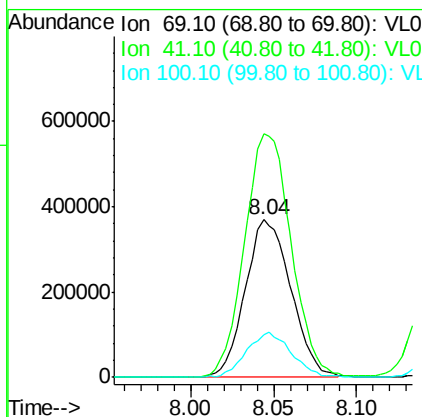
Acq: 17 Dec 2019 15:55

Tot Ion	Ratio	Lower	Upper
69	100		
41	157.9	127.4	191.2
100	28.4	24.2	36.4

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

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#44

2,2,4-Trimethylpentane

Concen: 8.509 ppbv

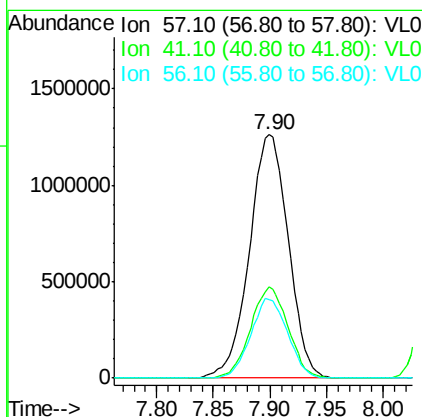
RT: 7.90 min Scan# 1590

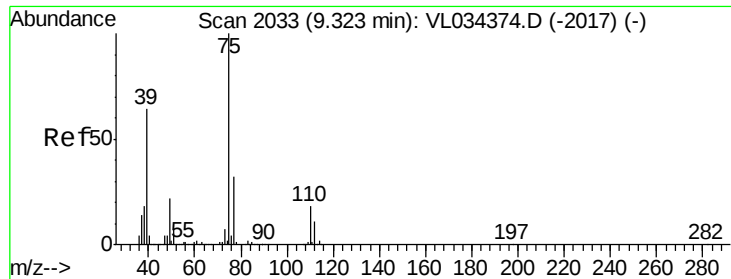
Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.9	28.6	42.8
56	31.1	25.3	37.9





#45

t-1,3-Dichloropropene

Concen: 9.075 ppbv

RT: 9.32 min Scan# 2032

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion: 75 Resp: 936051

Ion Ratio Lower Upper

75 100

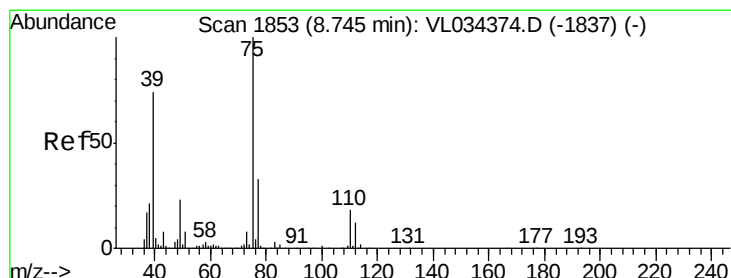
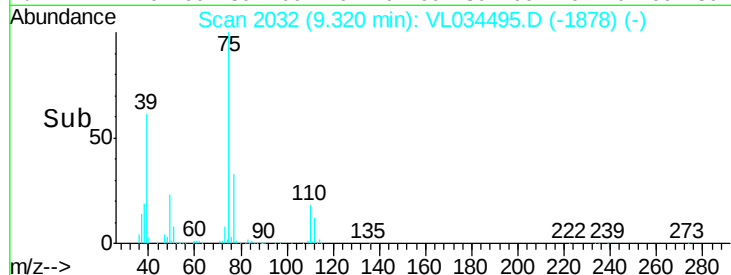
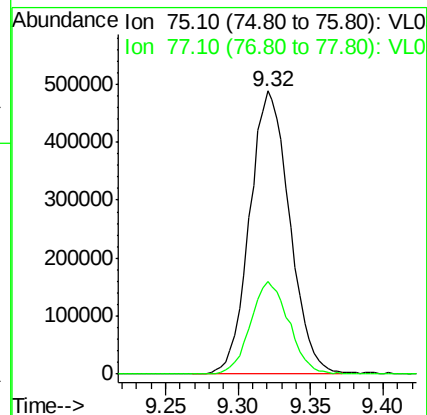
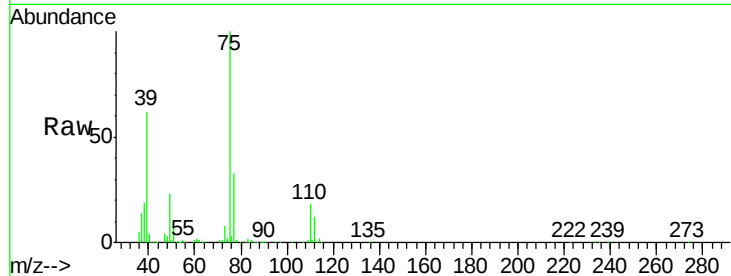
77 32.7 25.4 38.2

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#46

cis-1,3-Dichloropropene

Concen: 9.091 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

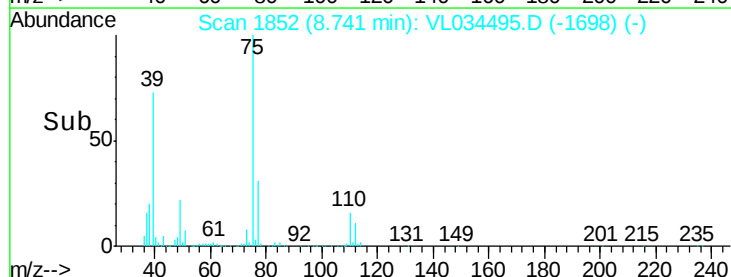
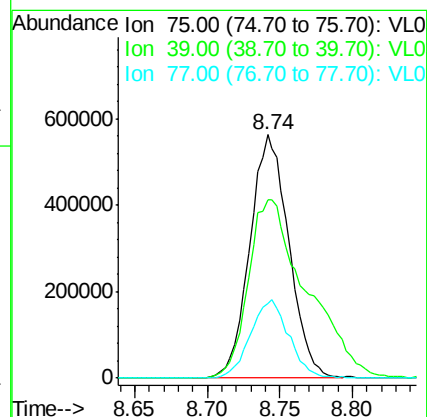
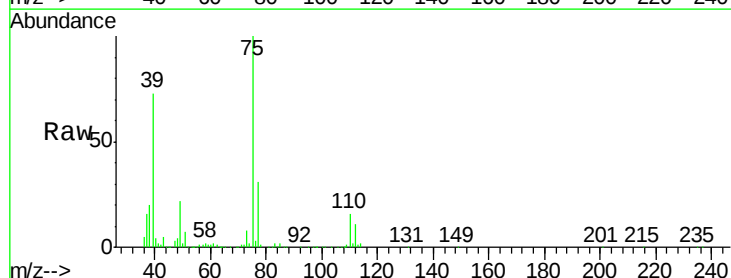
Tgt Ion: 75 Resp: 1053290

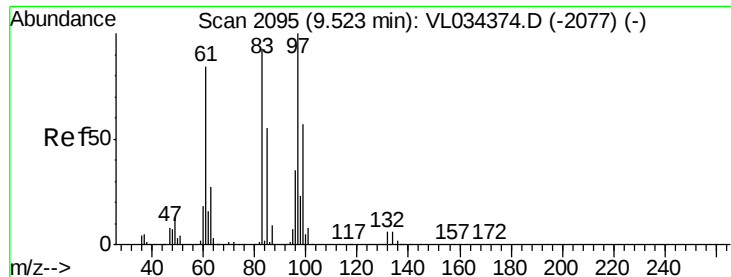
Ion Ratio Lower Upper

75 100

39 73.0 59.0 88.6

77 30.7 26.4 39.6





#47

1,1,2-Trichloroethane

Concen: 8.684 ppbv

RT: 9.52 min Scan# 2093

Delta R.T. -0.01 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Instrument :

MSVOA_L

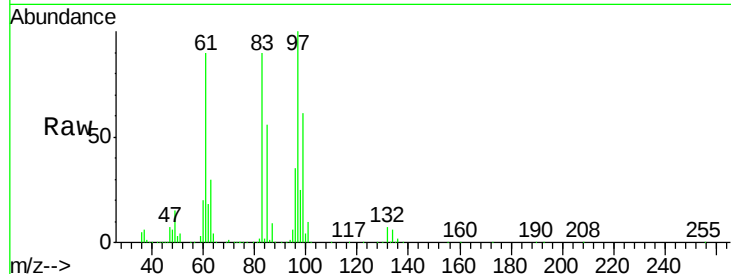
ClientSampleId :

VL1217ABS01

Tot Ion:	97	Resp:	721687
Ion Ratio	Lower	Upper	
97	100		
83	89.6	74.6	112.0
85	56.5	43.8	65.8
99	61.3	45.6	68.4

Manual Integrations
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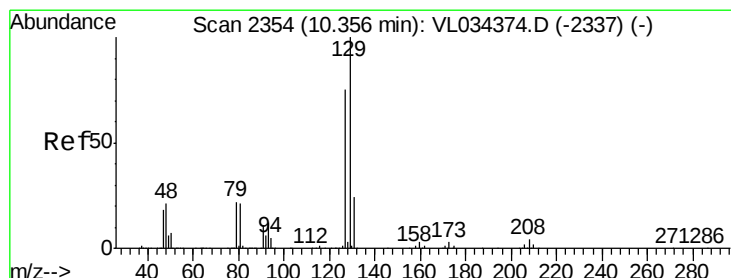
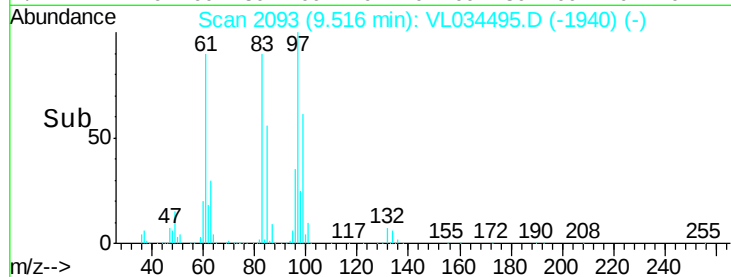
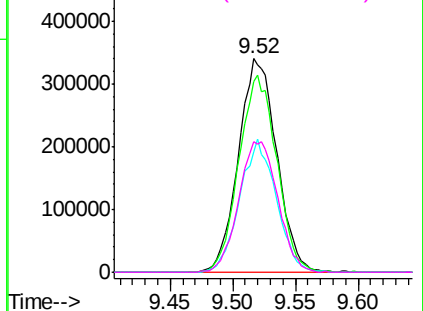
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 9.610 ppbv

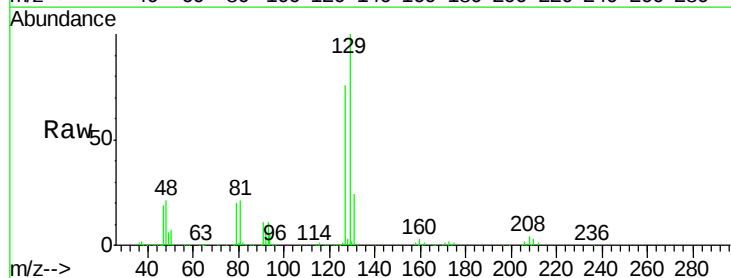
RT: 10.35 min Scan# 2353

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

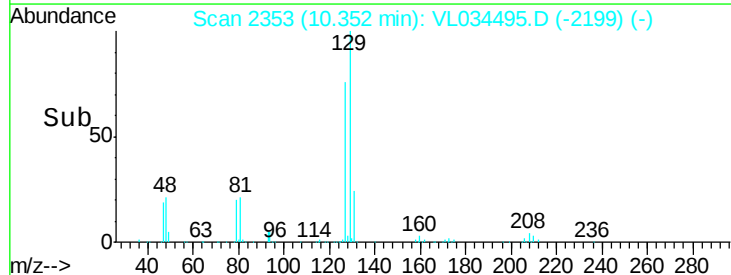
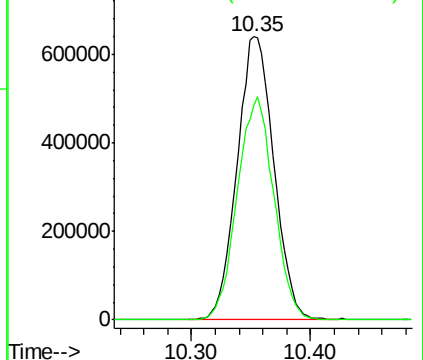
Tgt Ion:	129	Resp:	1371199
Ion Ratio	Lower	Upper	
129	100		
127	78.3	39.1	117.5

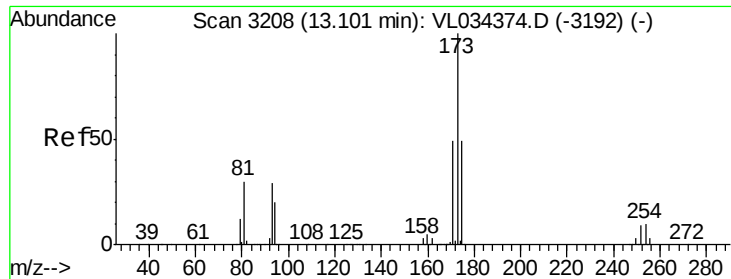


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.575 ppbv

RT: 13.10 min Scan# 3208

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion:173 Resp: 1219511

Ion Ratio Lower Upper

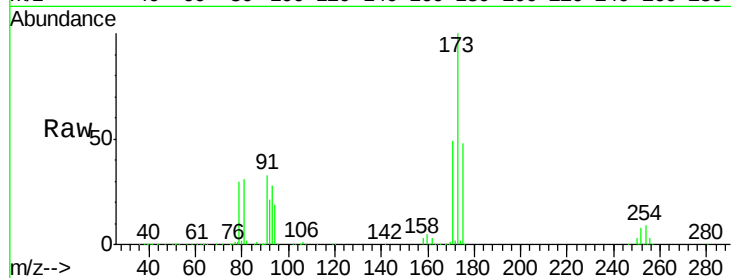
173 100

175 48.5 39.3 58.9

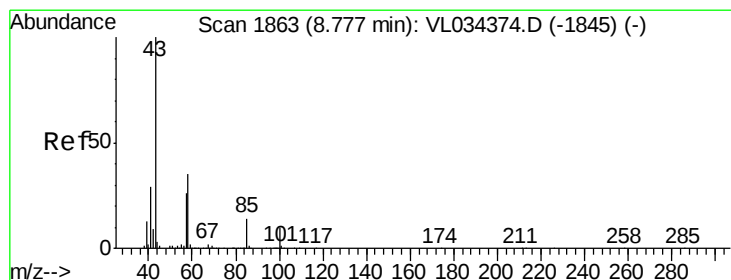
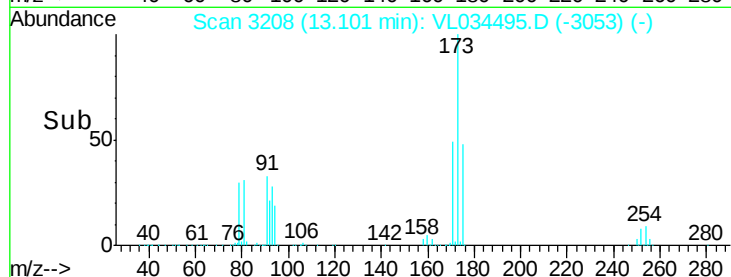
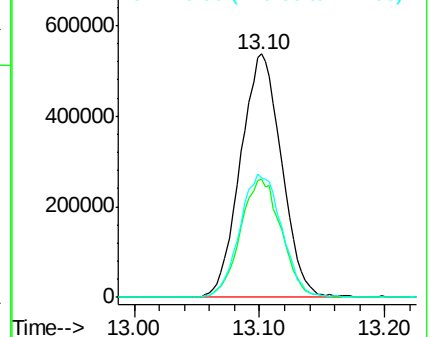
171 51.9 42.4 63.6

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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: 8.714 ppbv

RT: 8.78 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VL034495.D

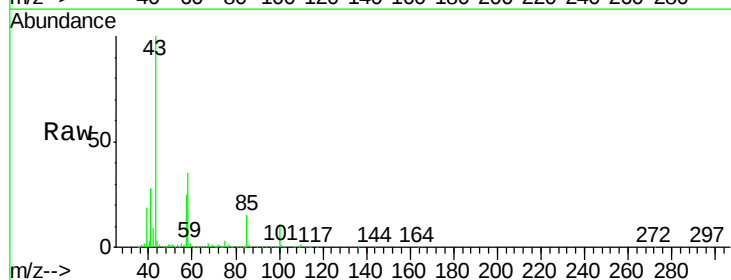
Acq: 17 Dec 2019 15:55

Tgt Ion: 43 Resp: 2013144

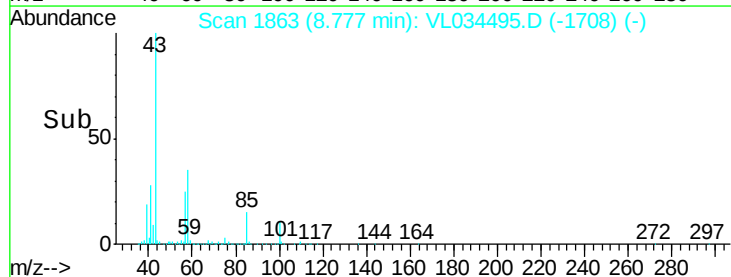
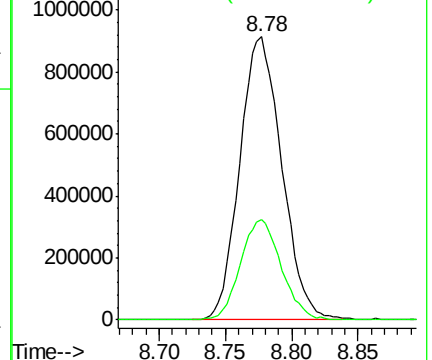
Ion Ratio Lower Upper

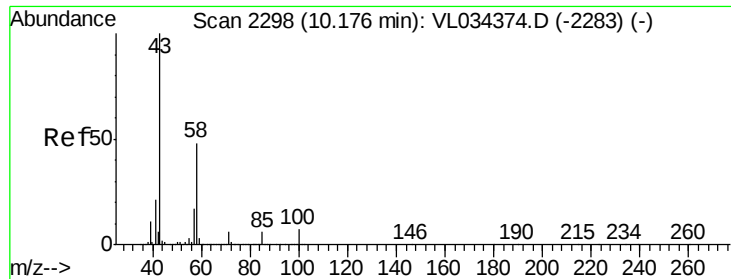
43 100

58 34.5 27.9 41.9



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





#51

2-Hexanone

Concen: 8.699 ppbv

RT: 10.18 min Scan# 2298

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion: 43 Resp: 1683273

Ion Ratio Lower Upper

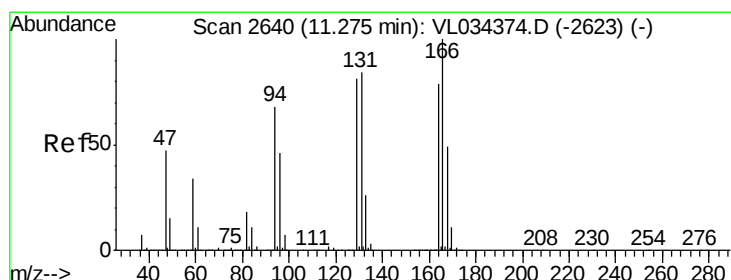
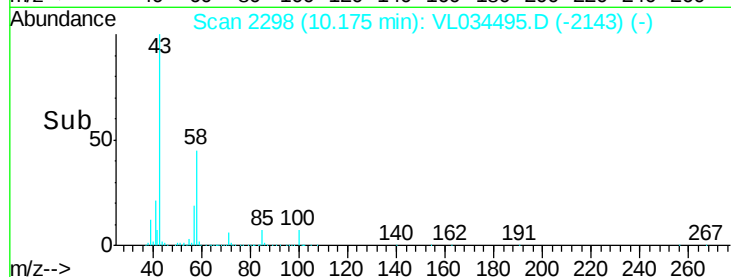
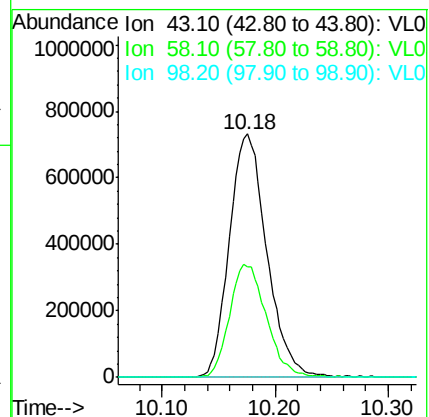
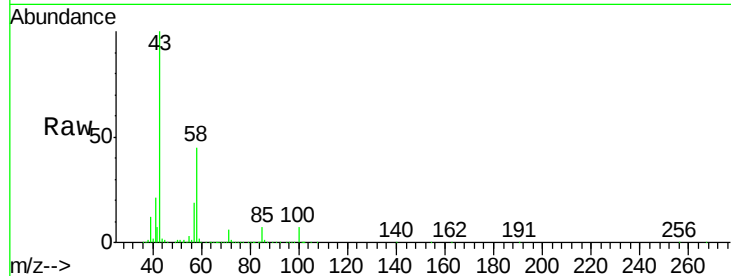
43 100

58 45.9 38.2 57.4

98 0.2 0.2 0.2

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#52

Tetrachloroethene

Concen: 7.412 ppbv

RT: 11.28 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Tgt Ion: 164 Resp: 621876

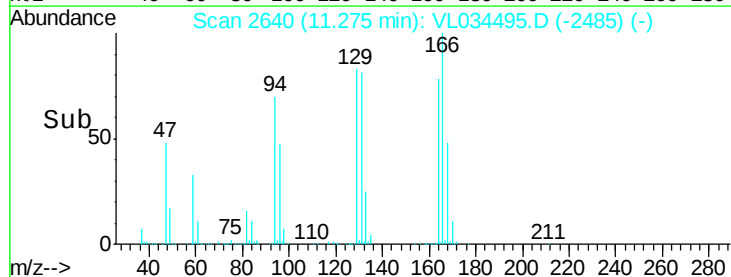
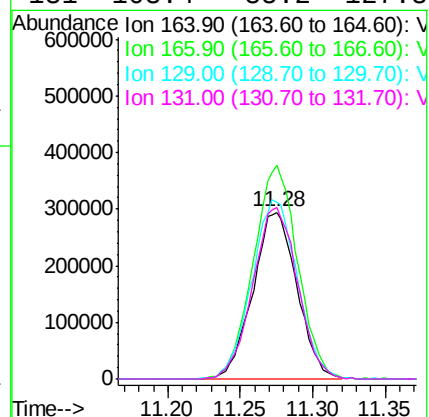
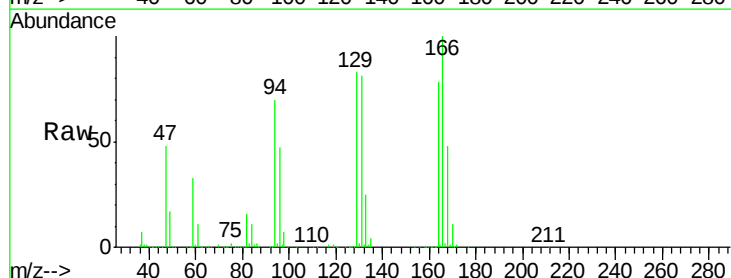
Ion Ratio Lower Upper

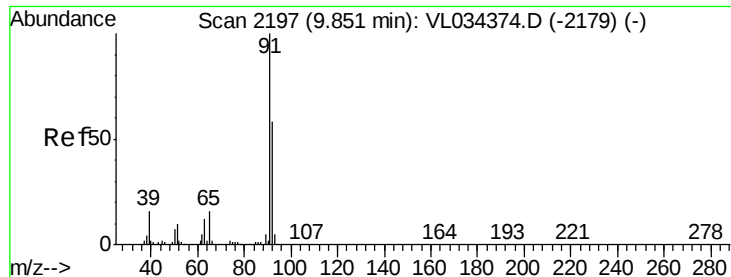
164 100

166 128.3 101.7 152.5

129 106.1 82.6 123.8

131 103.4 85.2 127.8





#53

Toluene

Concen: 8.760 ppbv

RT: 9.85 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion: 91 Resp: 1929413

Ion Ratio Lower Upper

91 100

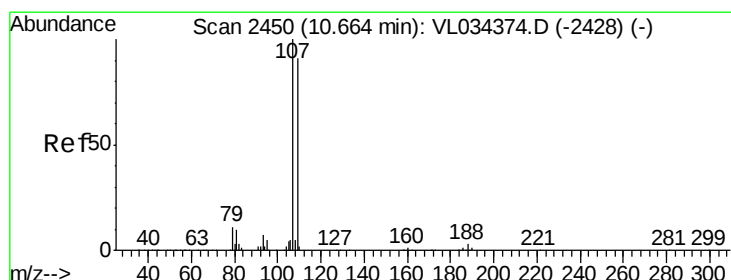
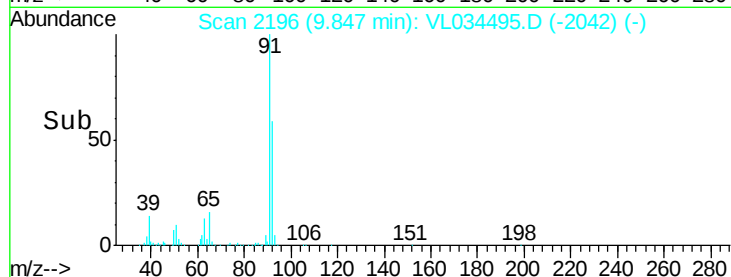
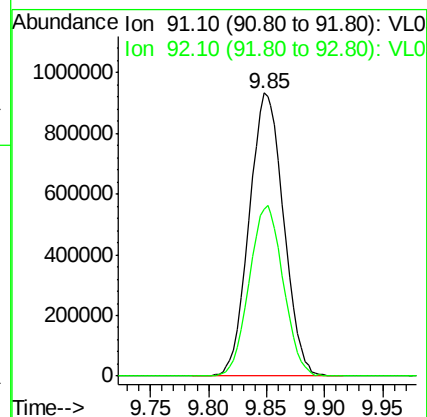
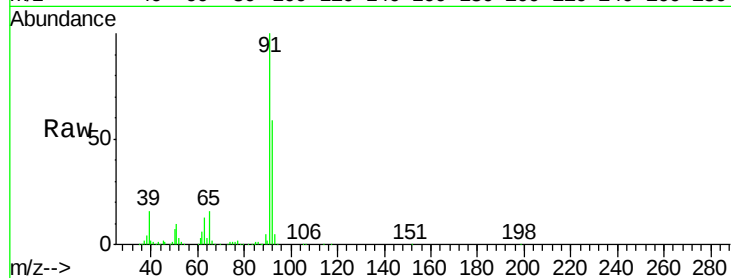
92 59.6 47.9 71.9

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#54

1,2-Dibromoethane

Concen: 8.926 ppbv

RT: 10.66 min Scan# 2450

Delta R.T. -0.00 min

Lab File: VL034495.D

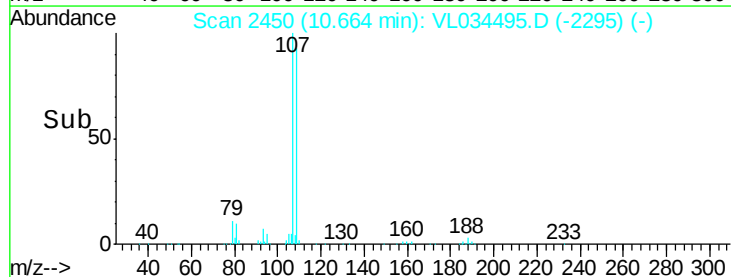
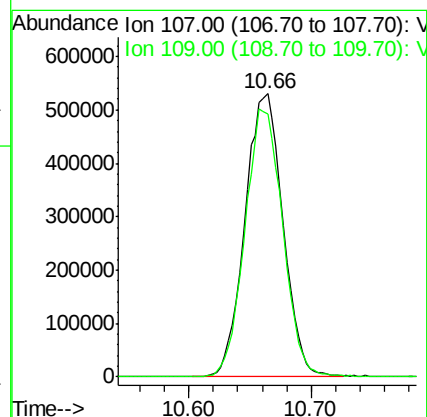
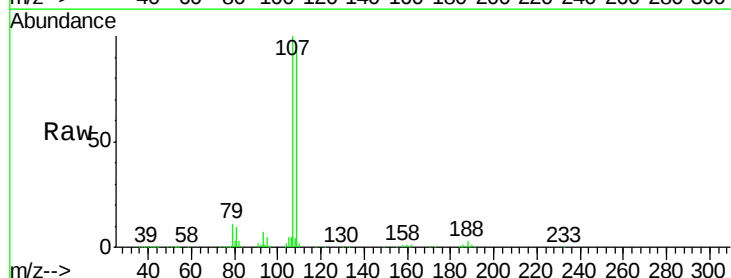
Acq: 17 Dec 2019 15:55

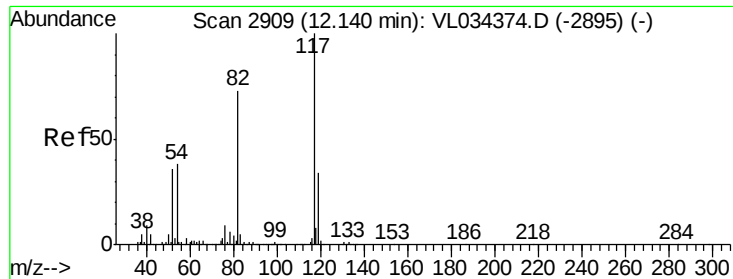
Tgt Ion: 107 Resp: 1137155

Ion Ratio Lower Upper

107 100

109 93.0 73.0 109.4





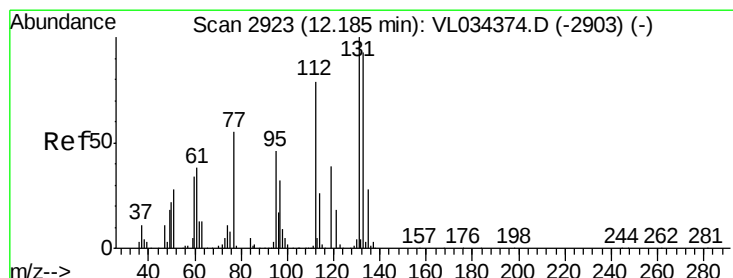
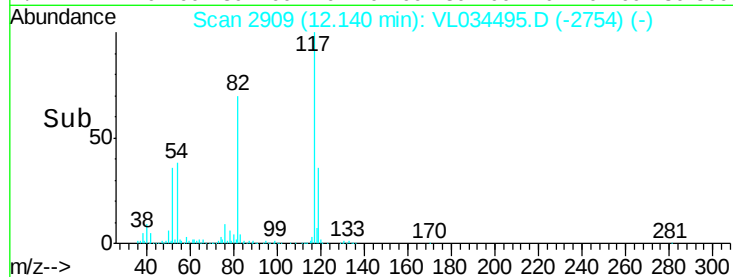
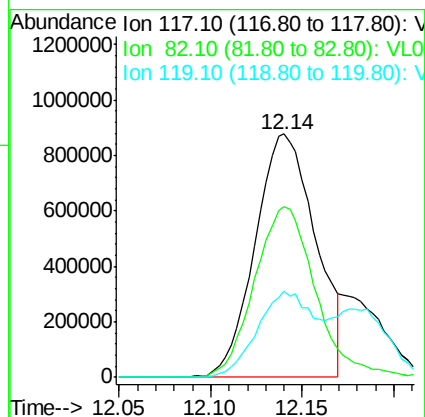
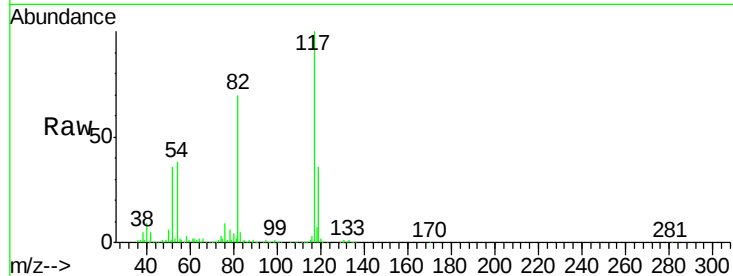
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.14 min Scan# 2909
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	71.5	57.5	86.3
119	32.0	25.4	38.2

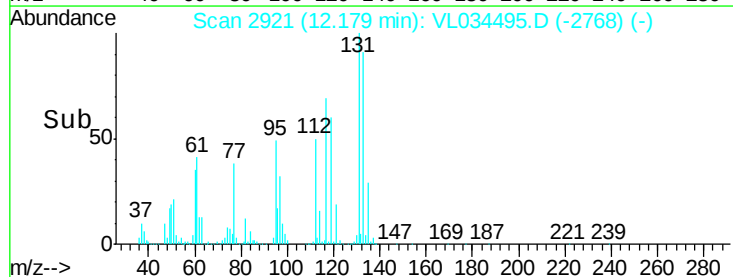
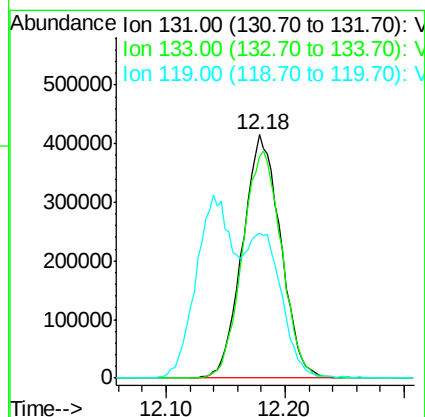
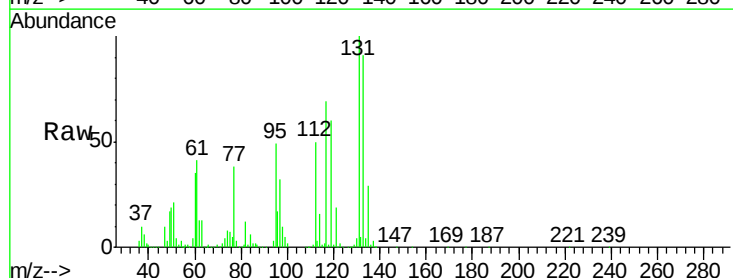
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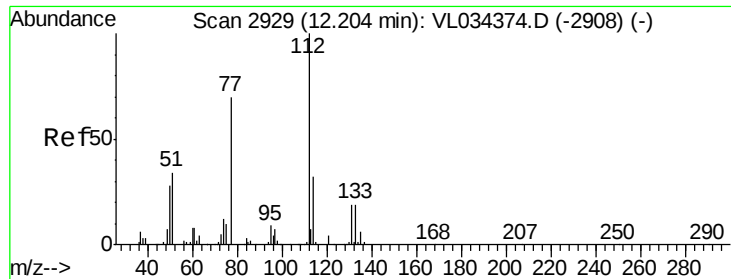
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.355 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. -0.01 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	76.2	114.2
119	51.6	44.6	67.0





#57

Chlorobenzene

Concen: 8.348 ppbv

RT: 12.20 min Scan# 2927

Delta R.T. -0.01 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion:112 Resp: 1515941

Ion Ratio Lower Upper

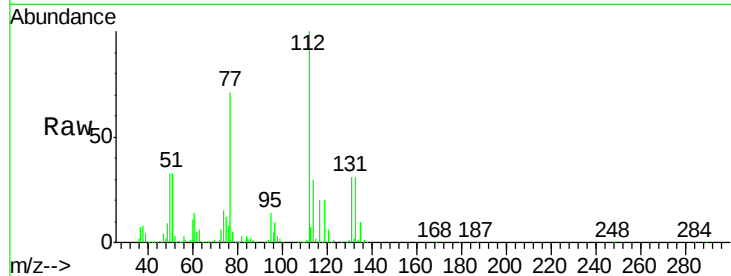
112 100

77 70.8 57.1 85.7

114 30.0 28.5 34.9

Manual Integrations
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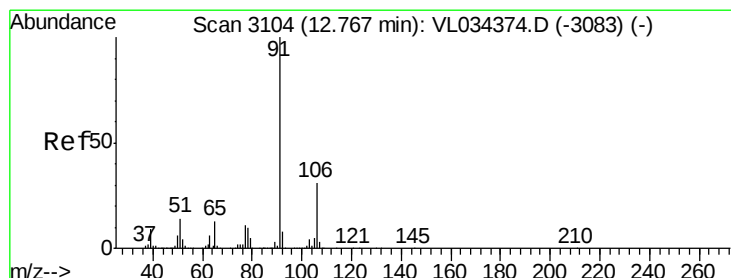
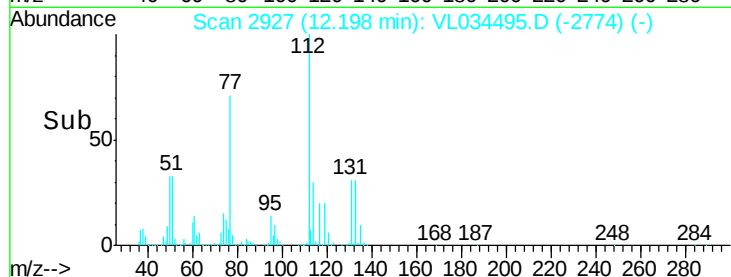
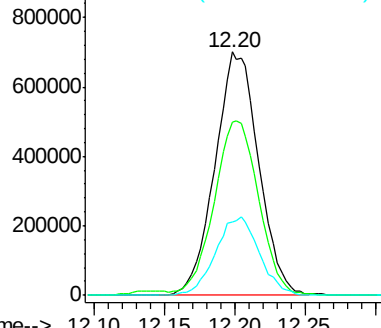
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.678 ppbv

RT: 12.76 min Scan# 3103

Delta R.T. -0.00 min

Lab File: VL034495.D

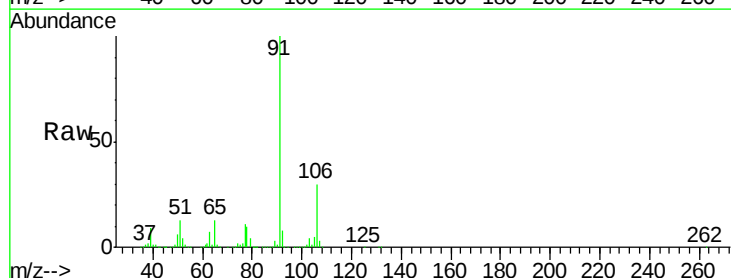
Acq: 17 Dec 2019 15:55

Tgt Ion: 91 Resp: 2705277

Ion Ratio Lower Upper

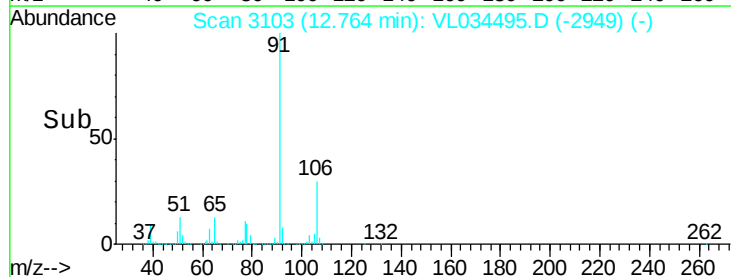
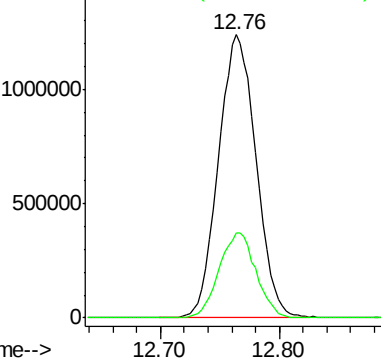
91 100

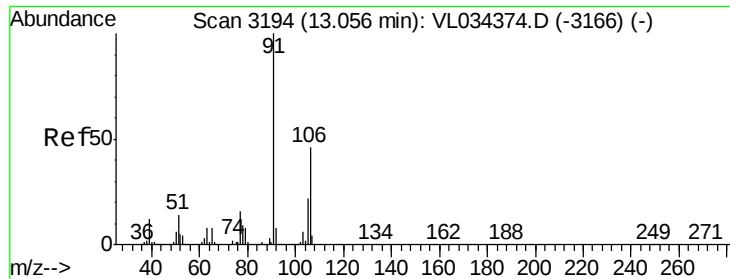
106 30.2 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





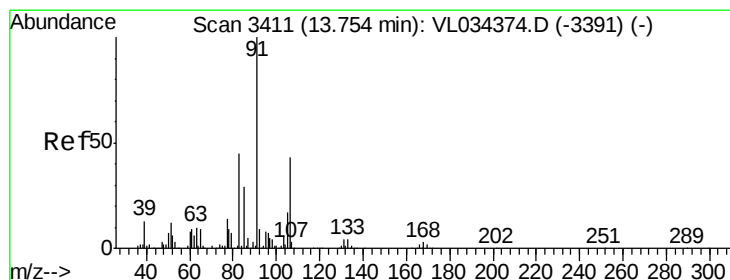
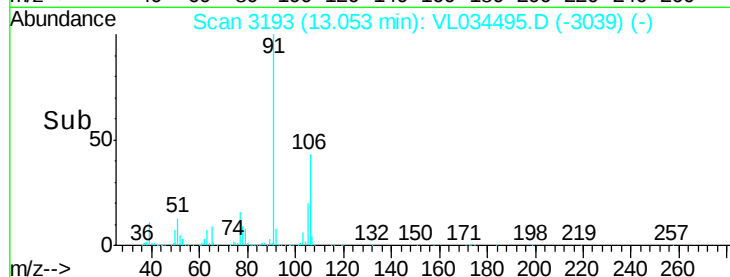
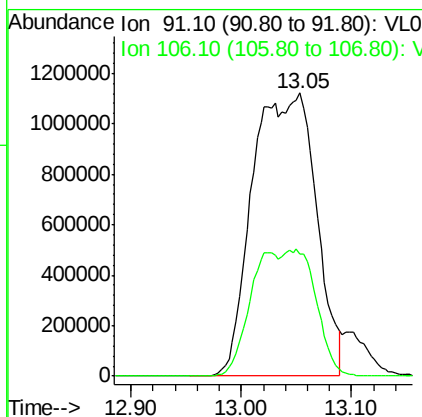
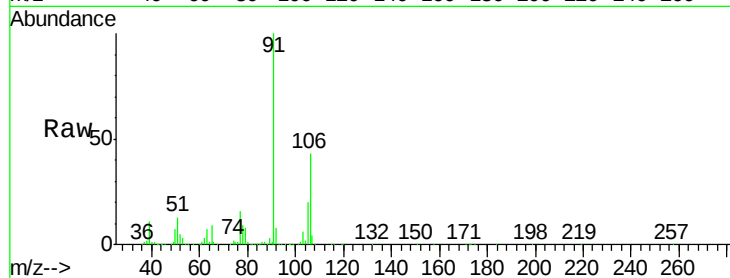
#59
m/p-Xylene
Concen: 16.628 ppbv m
RT: 13.05 min Scan# 3193
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tot Ion: 91 Resp: 4481040
Ion Ratio Lower Upper
91 100
106 44.6 34.6 51.8

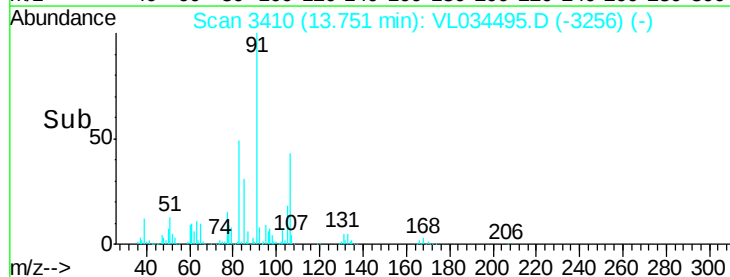
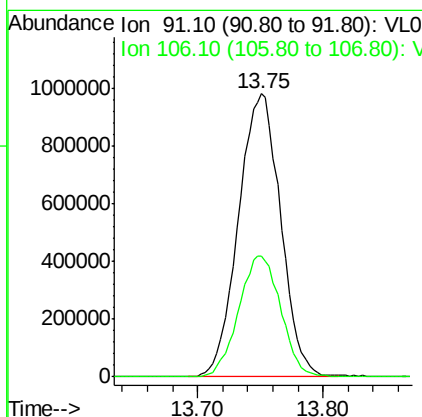
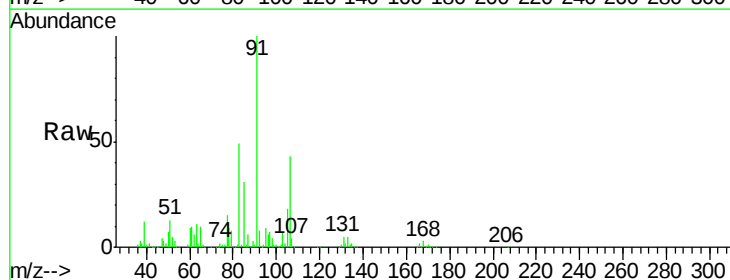
Manual Integrations
APPROVED

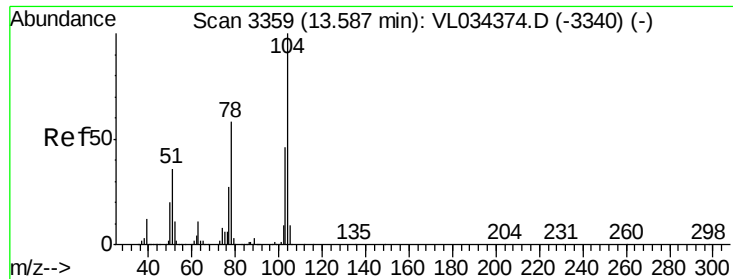
MMDadoda
12/19/2019 3:46:55 PM



#60
o-Xylene
Concen: 8.571 ppbv
RT: 13.75 min Scan# 3410
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion: 91 Resp: 2283705
Ion Ratio Lower Upper
91 100
106 43.0 21.3 64.0





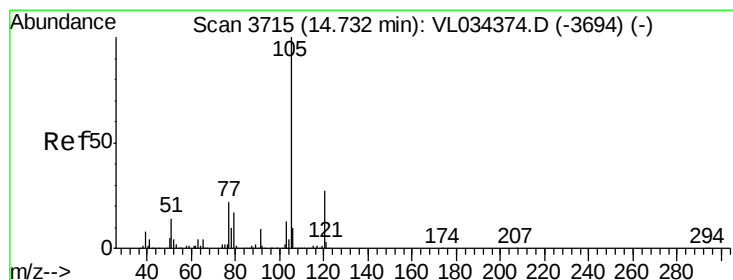
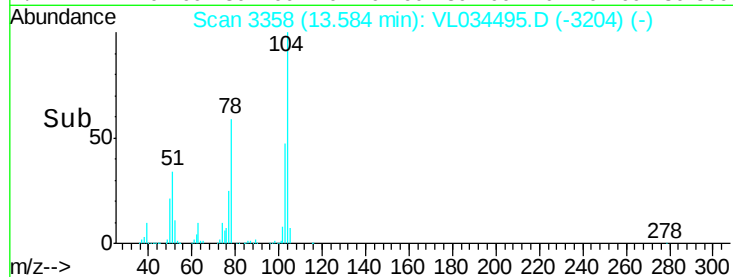
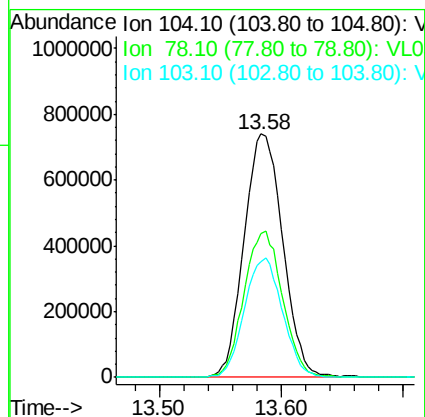
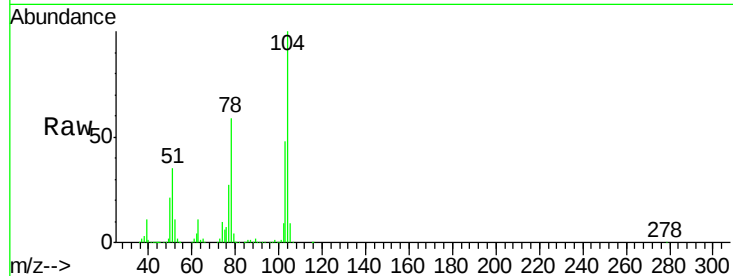
#61
Stvrene
Concen: 8.448 ppbv
RT: 13.58 min Scan# 3358
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	59.8	47.6	71.4
103	48.3	38.6	57.8

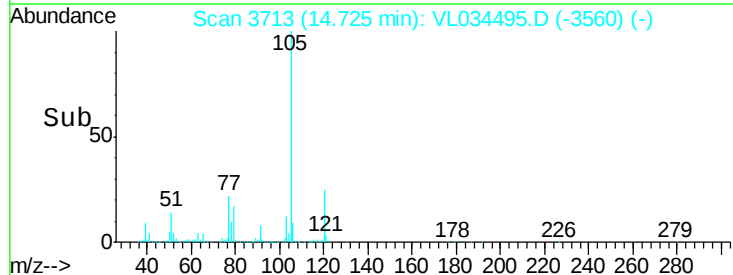
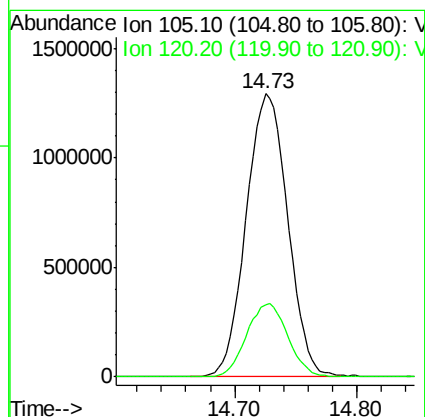
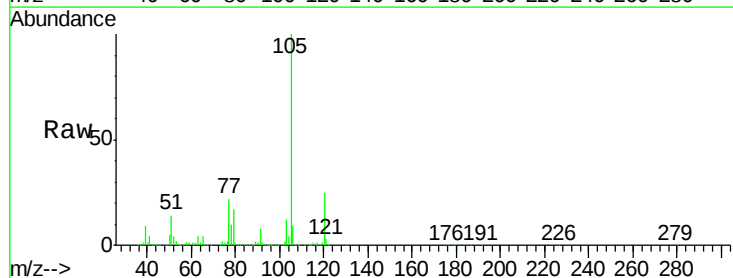
Manual Integrations
APPROVED

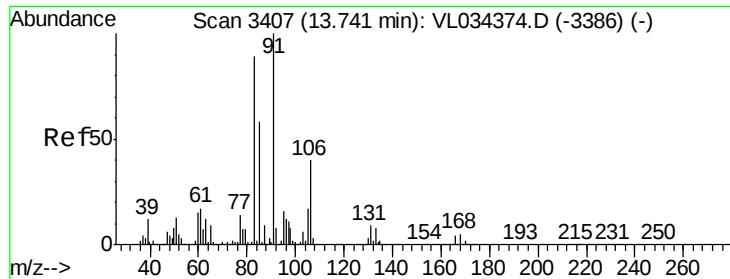
MMDadoda
12/19/2019 3:46:55 PM



#62
Isopropylbenzene
Concen: 8.635 ppbv
RT: 14.73 min Scan# 3713
Delta R.T. -0.01 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.2	30.4





#63

1,1,2,2-Tetrachloroethane

Concen: 8.308 ppbv

RT: 13.74 min Scan# 3406

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion: 83 Resp: 1663823

Ion Ratio Lower Upper

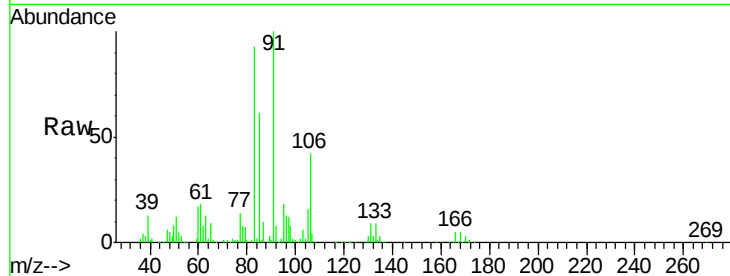
83 100

131 9.7 4.9 14.7

85 65.5 32.6 97.8

Manual Integrations
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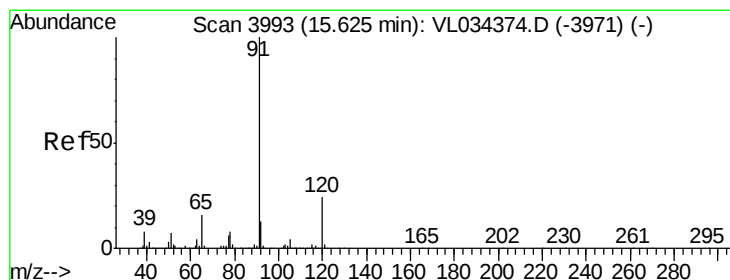
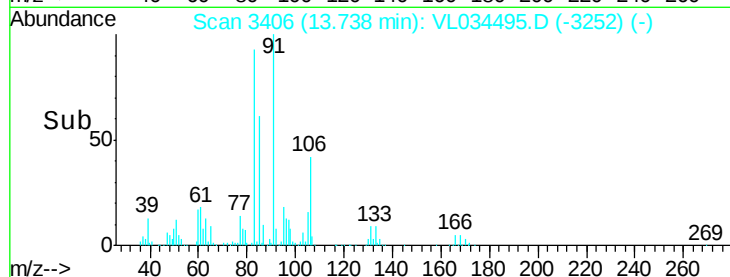
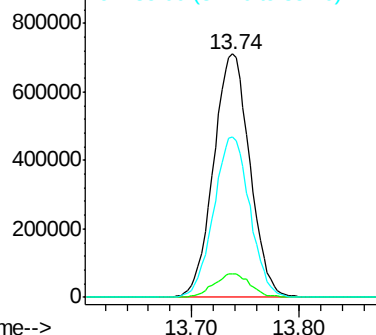
MMDadoda
12/19/2019 3:46:55 PM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.664 ppbv

RT: 15.62 min Scan# 3992

Delta R.T. -0.00 min

Lab File: VL034495.D

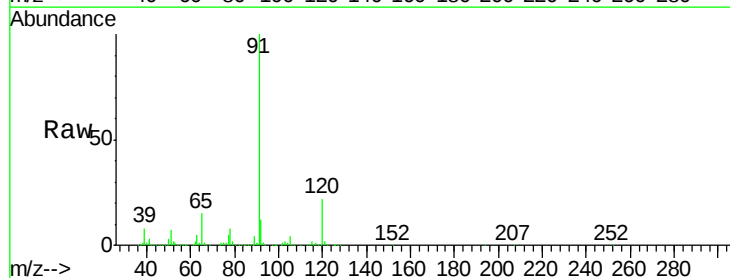
Acq: 17 Dec 2019 15:55

Tgt Ion: 120 Resp: 792880

Ion Ratio Lower Upper

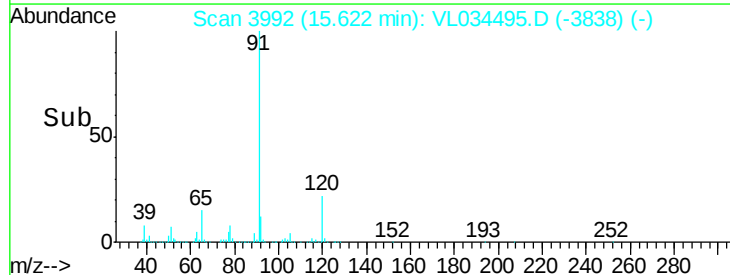
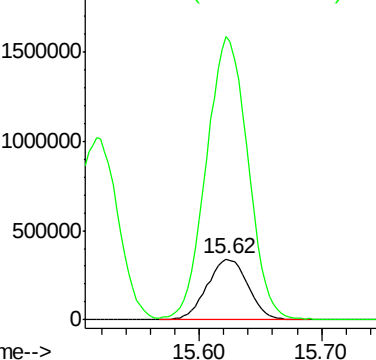
120 100

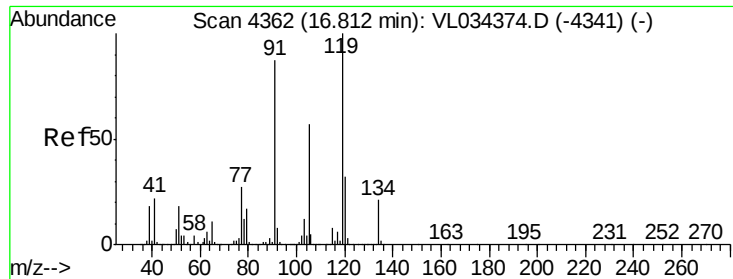
91 472.3 370.9 556.3



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.723 ppbv

RT: 16.81 min Scan# 4361

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion:119 Resp: 2761212

Ion Ratio Lower Upper

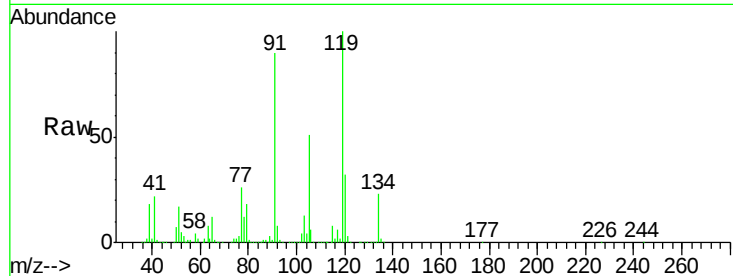
119 100

91 89.9 71.6 107.4

134 19.9 15.9 23.9

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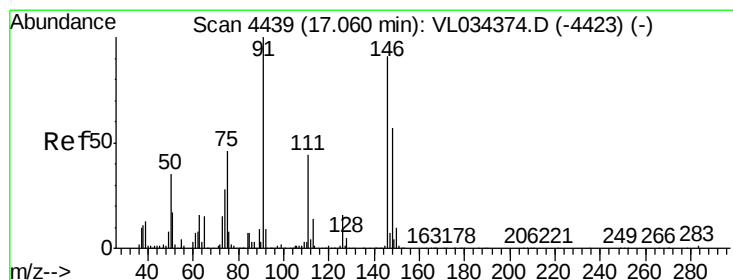
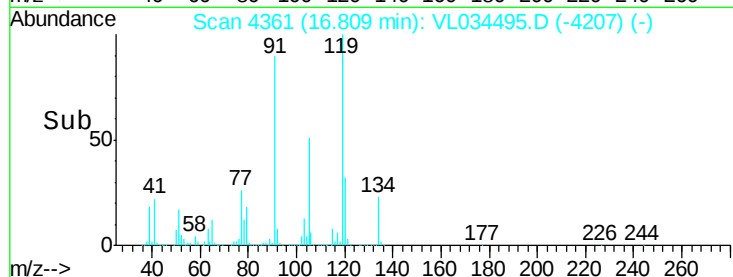
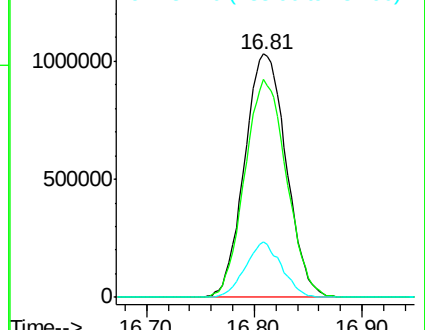
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.851 ppbv

RT: 17.05 min Scan# 4437

Delta R.T. -0.01 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

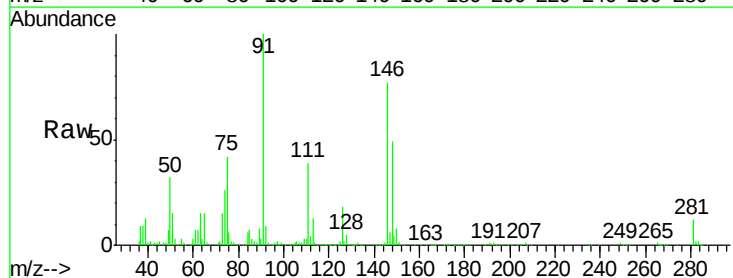
Tgt Ion: 91 Resp: 1321354

Ion Ratio Lower Upper

91 100

126 16.2 12.9 19.3

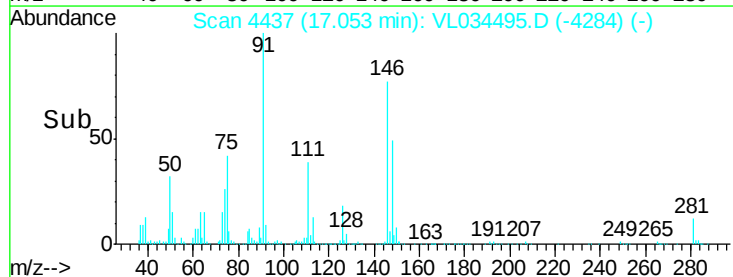
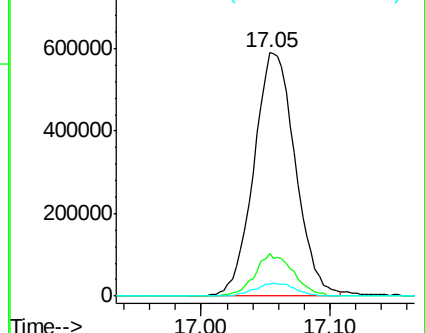
128 5.2 4.3 6.5

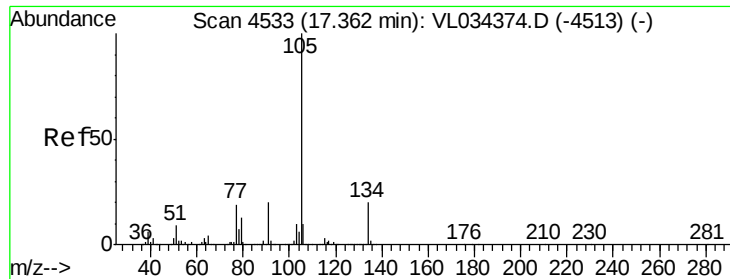


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.682 ppbv

RT: 17.36 min Scan# 4532

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion:105 Resp: 3844096

Ion Ratio Lower Upper

105 100

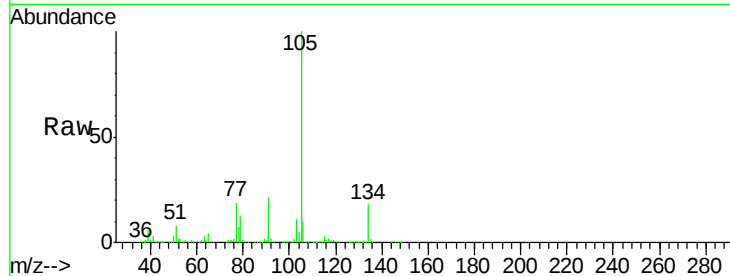
134 18.7 15.0 22.6

Manual Integrations

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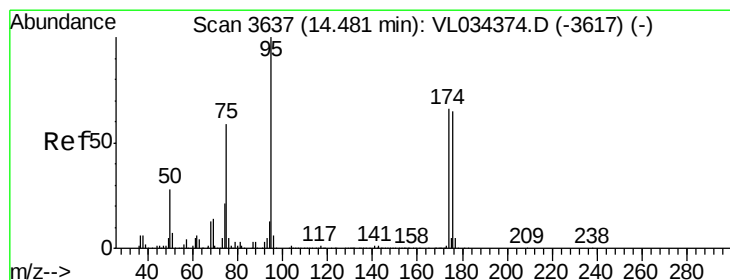
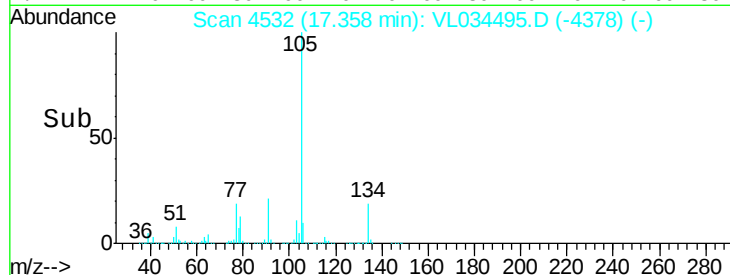
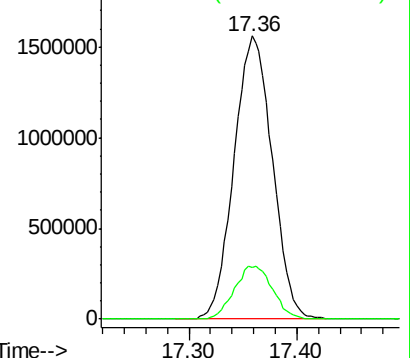
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.075 ppbv

RT: 14.48 min Scan# 3636

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

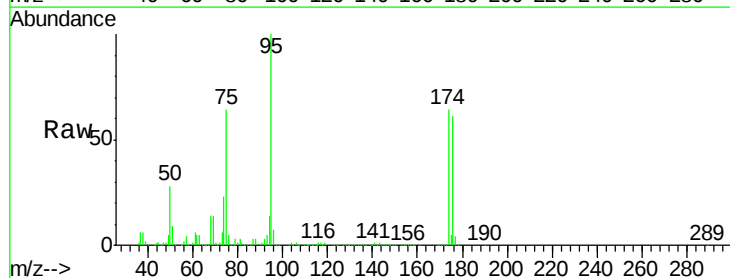
Tgt Ion: 95 Resp: 1702687

Ion Ratio Lower Upper

95 100

174 64.5 52.2 78.2

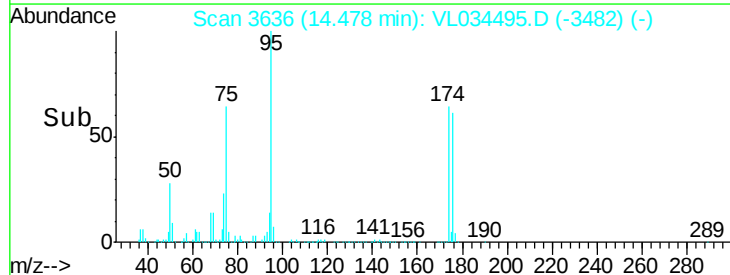
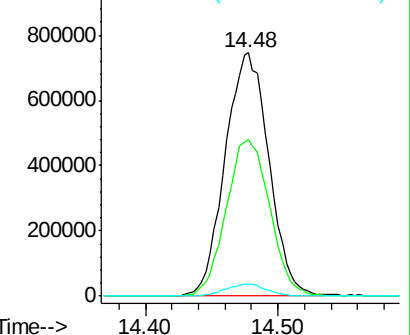
175 4.7 3.8 5.8

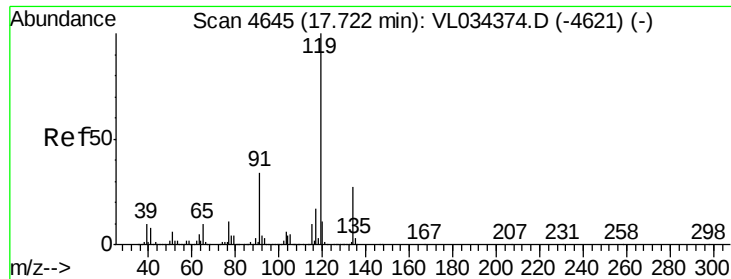


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





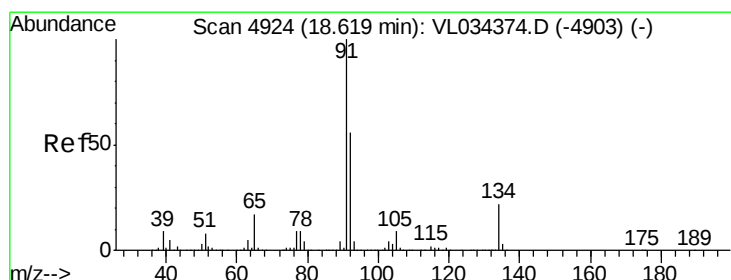
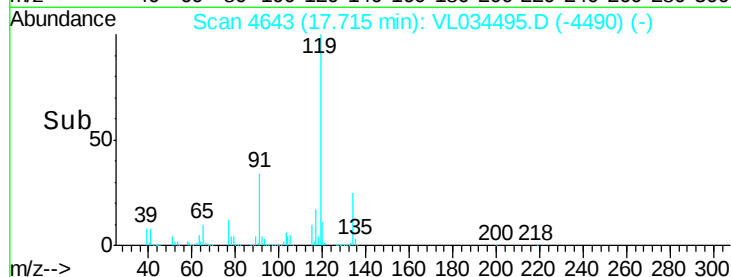
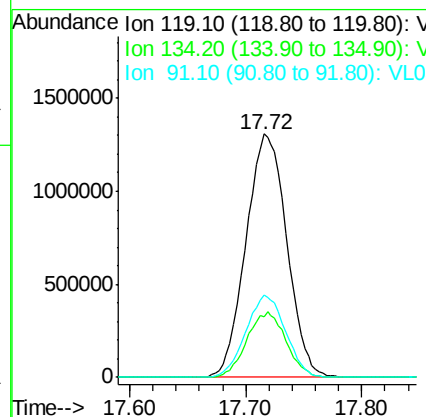
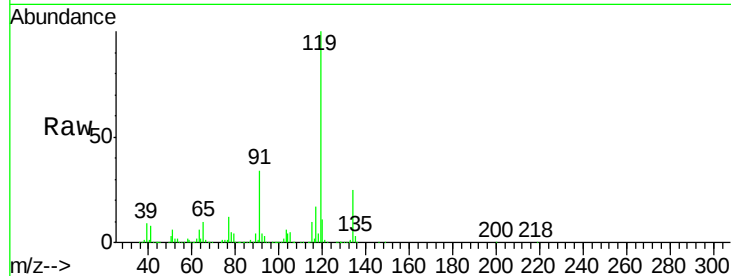
#69
p-Isopropyltoluene
Concen: 8.715 ppbv
RT: 17.72 min Scan# 4643
Delta R.T. -0.01 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.6	31.0
91	33.0	26.3	39.5

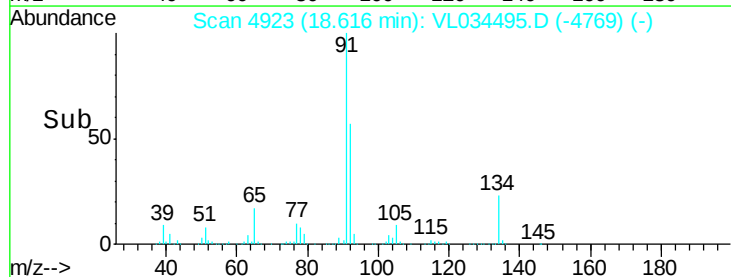
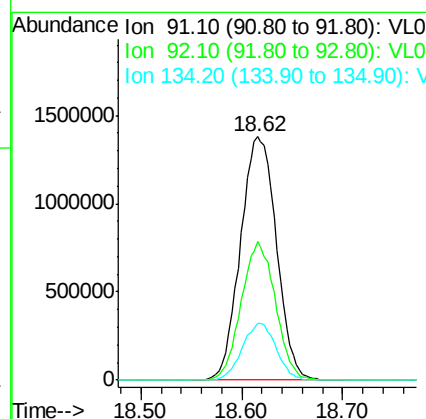
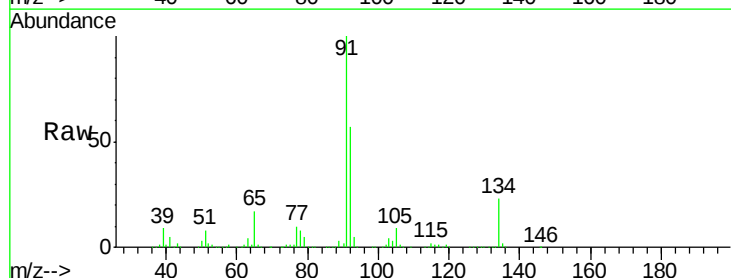
Manual Integrations
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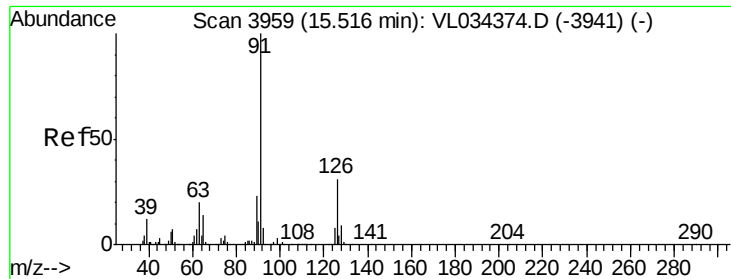
MMDadoda
12/19/2019 3:46:55 PM



#70
n-Butylbenzene
Concen: 8.609 ppbv
RT: 18.62 min Scan# 4923
Delta R.T. -0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.0	43.8	65.6
134	22.2	17.9	26.9





#71

2-Chlorotoluene

Concen: 8.517 ppbv

RT: 15.52 min Scan# 3959

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion: 91 Resp: 2393168

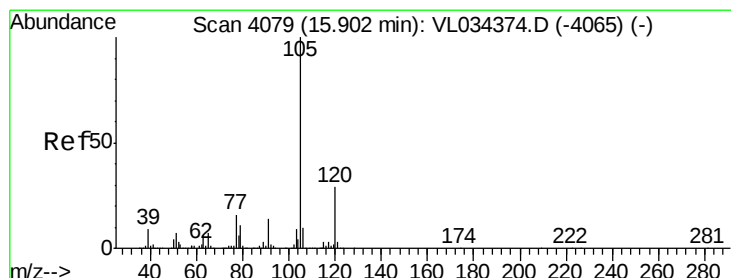
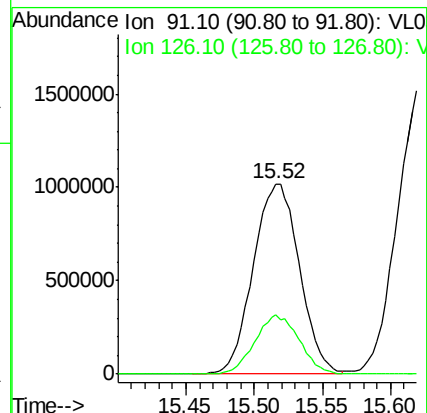
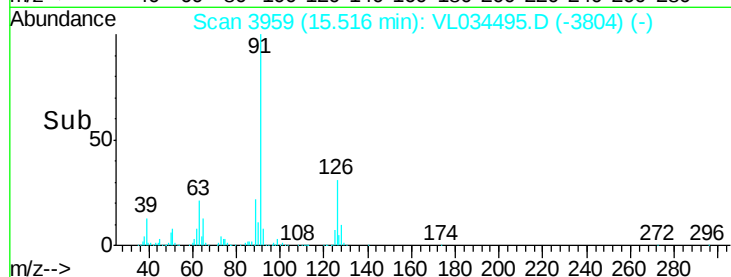
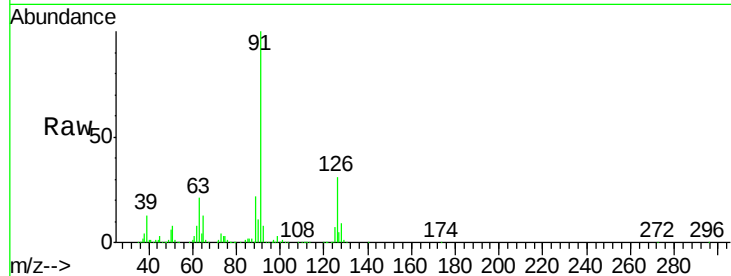
Ion Ratio Lower Upper

91 100

126 29.9 11.8 47.4

Manual Integrations
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#72

4-Ethyltoluene

Concen: 8.506 ppbv

RT: 15.90 min Scan# 4078

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Tgt Ion: 105 Resp: 2618550

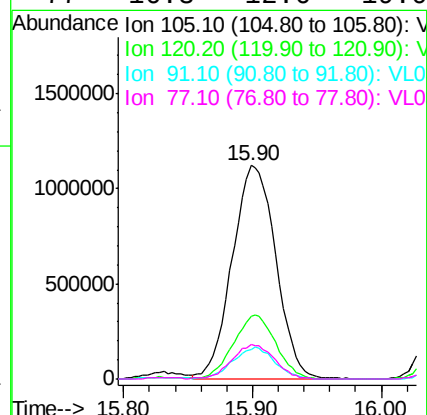
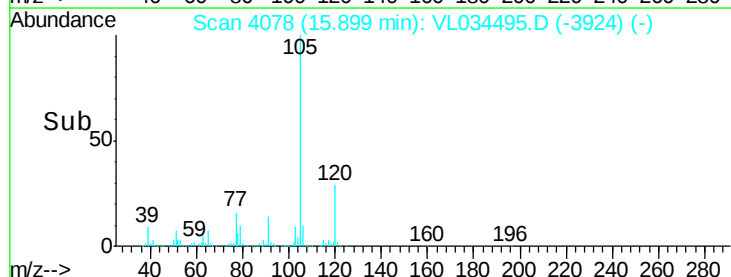
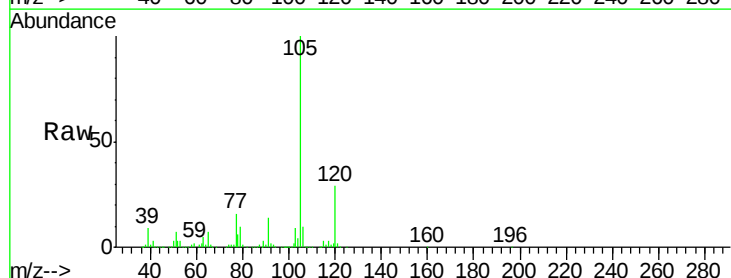
Ion Ratio Lower Upper

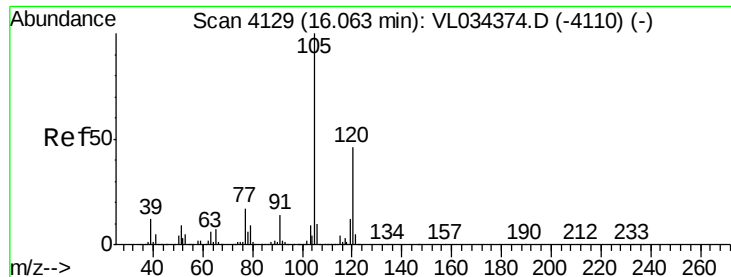
105 100

120 29.1 23.5 35.3

91 14.4 11.4 17.0

77 16.3 12.6 19.0





#73

1,3,5-Trimethylbenzene

Concen: 8.458 ppbv

RT: 16.06 min Scan# 4128

Delta R.T. -0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Instrument :

MSVOA_L

ClientSampleId :

VL1217ABS01

Tot Ion:105 Resp: 2548841

Ion Ratio Lower Upper

105 100

120 44.5

37.1

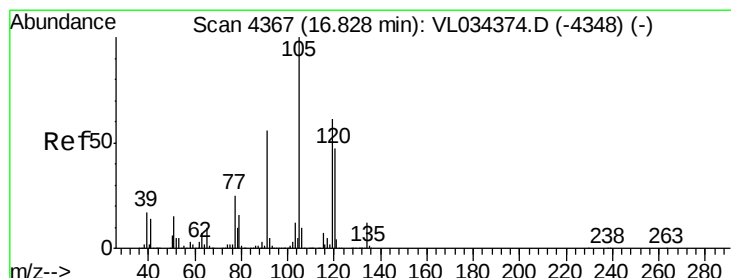
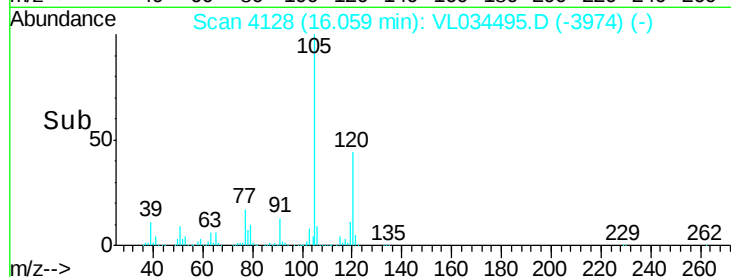
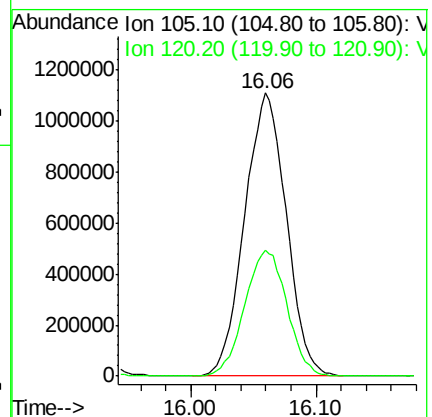
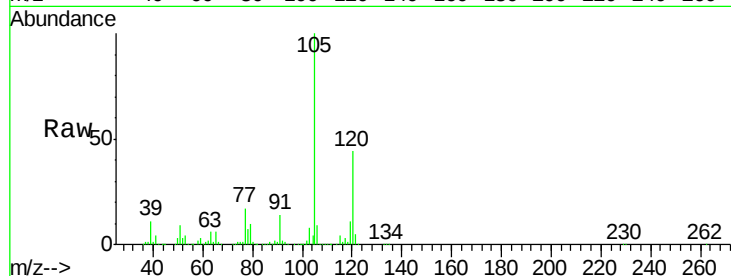
55.7

Manual Integrations

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#74

1,2,4-Trimethylbenzene

Concen: 8.329 ppbv

RT: 16.83 min Scan# 4368

Delta R.T. 0.00 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Tgt Ion:105 Resp: 2666106

Ion Ratio Lower Upper

105 100

120 44.6

37.4

56.0

91 41.6

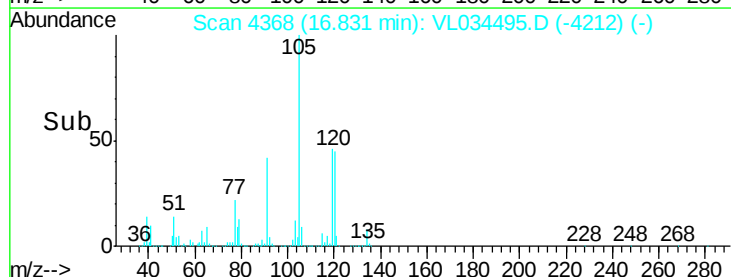
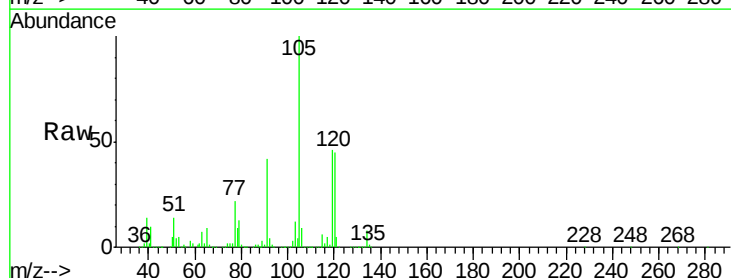
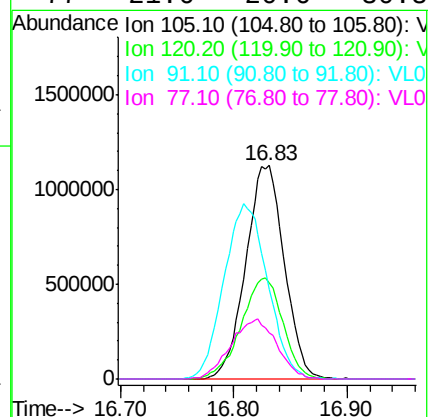
46.3

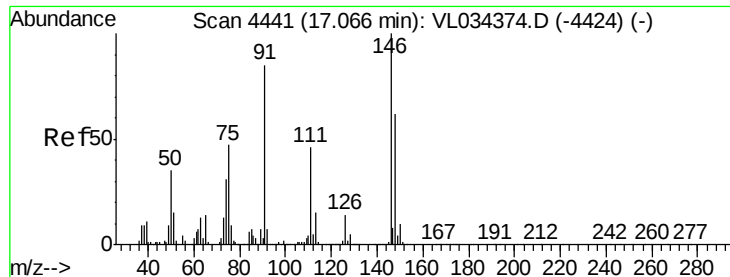
69.5#

77 21.6

20.6

30.8





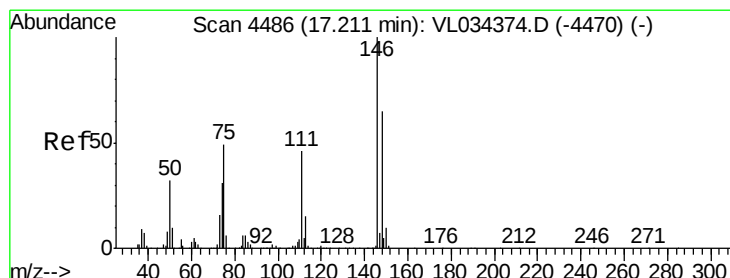
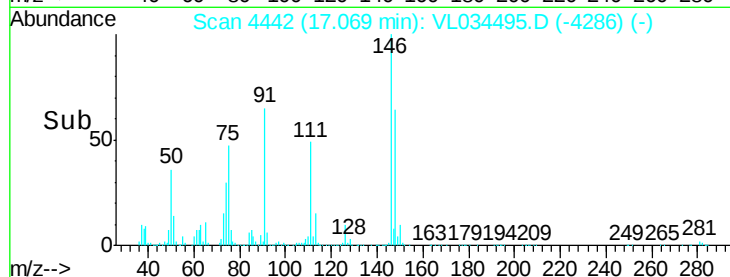
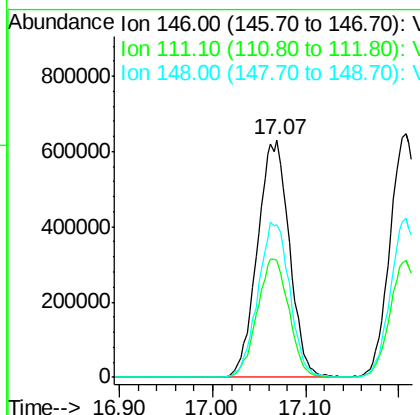
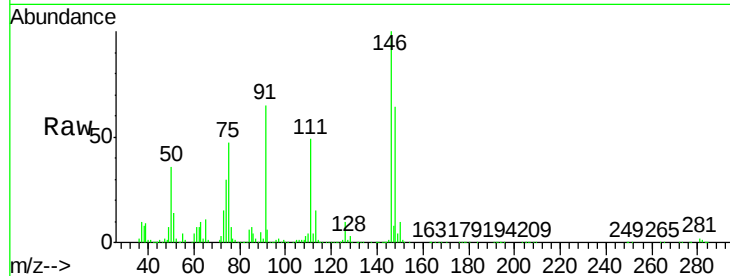
#75
 1,3-Dichlorobenzene
 Concen: 8.057 ppbv m
 RT: 17.07 min Scan# 4442
 Delta R.T. 0.00 min
 Lab File: VL034495.D
 Acq: 17 Dec 2019 15:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1217ABS01

Tot Ion:146 Resp: 1482554
 Ion Ratio Lower Upper
 146 100
 111 49.6 24.4 73.4
 148 0.0 32.4 97.0#

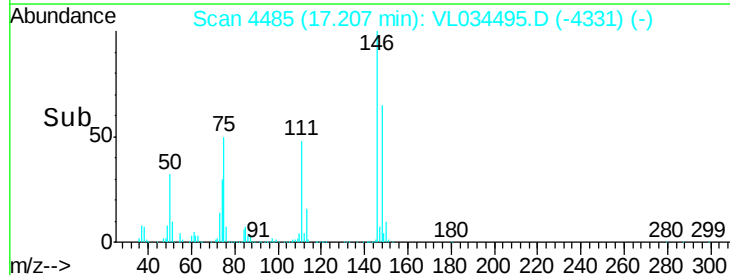
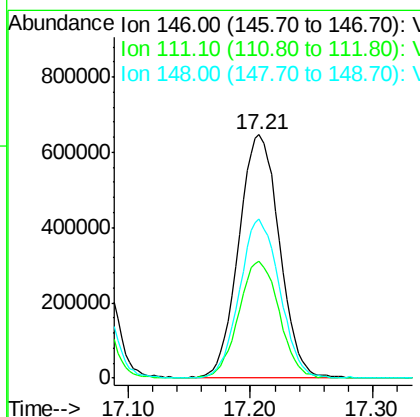
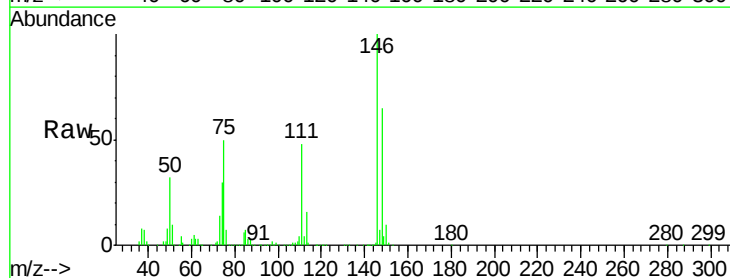
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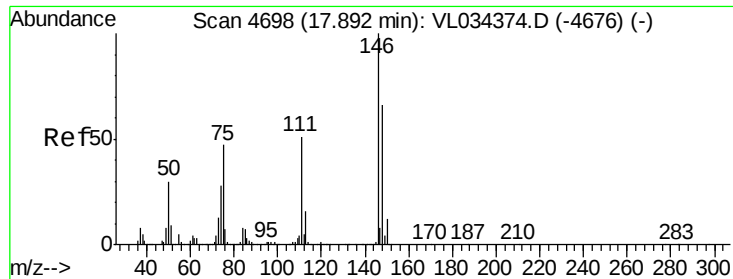
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#76
 1,4-Dichlorobenzene
 Concen: 8.298 ppbv
 RT: 17.21 min Scan# 4485
 Delta R.T. -0.00 min
 Lab File: VL034495.D
 Acq: 17 Dec 2019 15:55

Tgt Ion:146 Resp: 1482541
 Ion Ratio Lower Upper
 146 100
 111 48.0 24.1 72.3
 148 64.9 32.9 98.6





#77

1,2-Dichlorobenzene

Concen: 8.271 ppbv

RT: 17.89 min Scan# 4696

Delta R.T. -0.01 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Instrument :

MSVOA_L

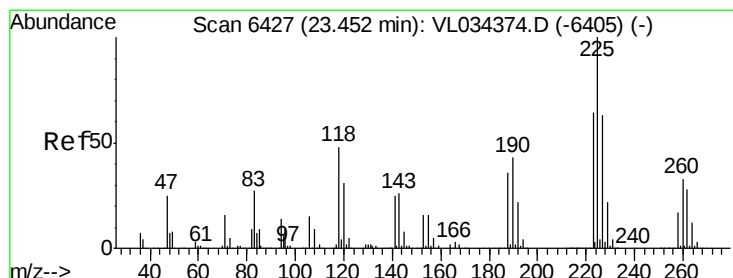
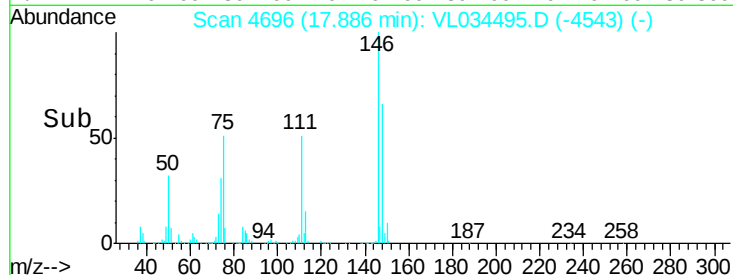
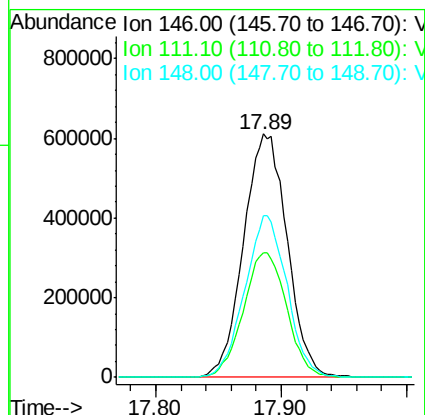
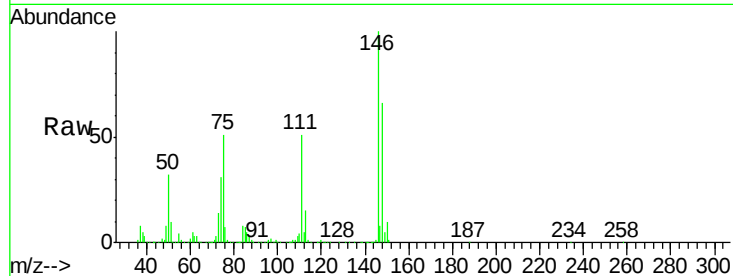
ClientSampleId :

VL1217ABS01

Tot Ion:	146	Resp:	1469907
Ion	Ratio	Lower	Upper
146	100		
111	51.2	25.0	75.0
148	64.6	32.7	98.1

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#78

Hexachloro-1,3-Butadiene

Concen: 7.917 ppbv

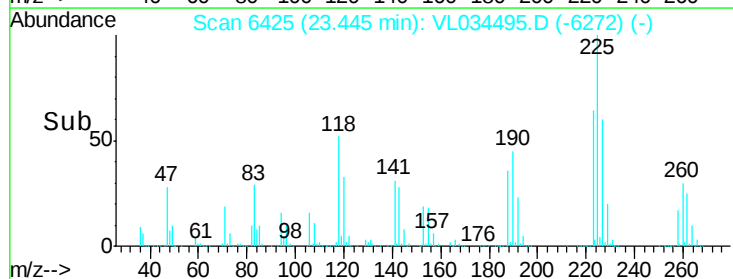
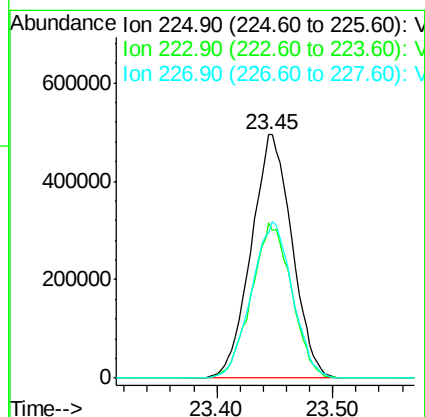
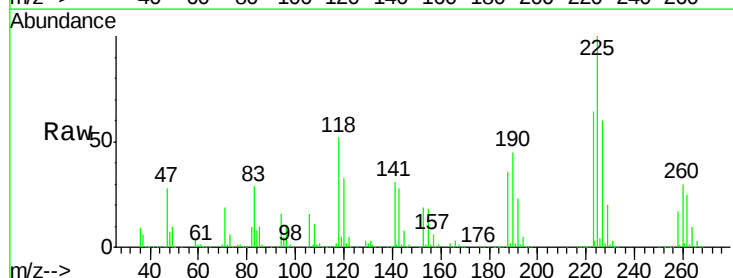
RT: 23.45 min Scan# 6425

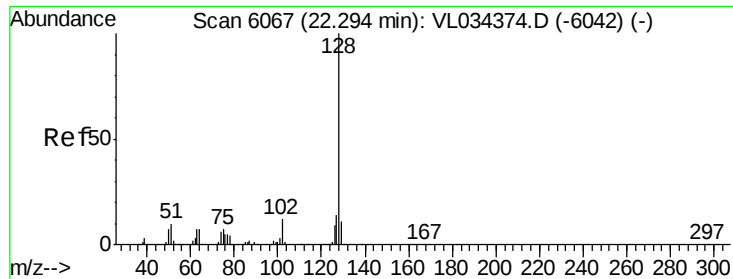
Delta R.T. -0.01 min

Lab File: VL034495.D

Acq: 17 Dec 2019 15:55

Tgt Ion:	225	Resp:	1208824
Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.2	75.2
227	64.6	51.5	77.3





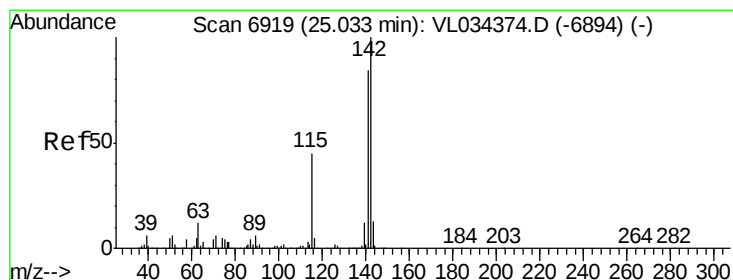
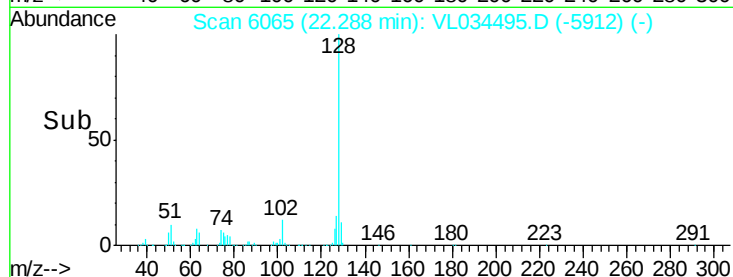
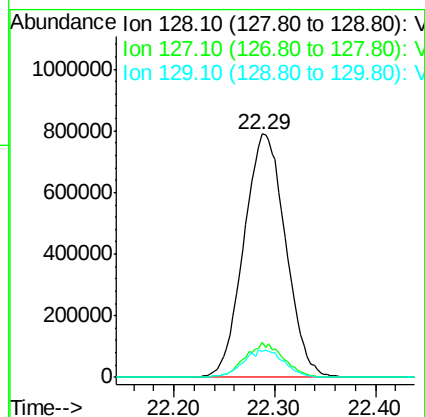
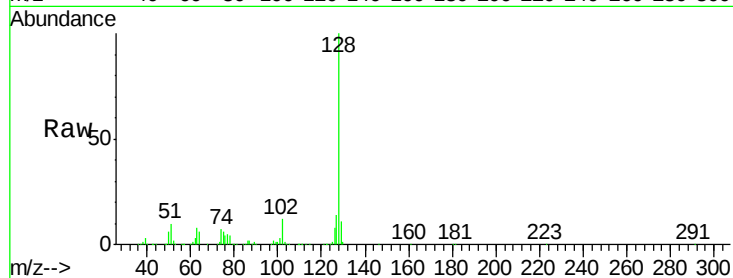
#79
Naphthalene
Concen: 8.166 ppbv
RT: 22.29 min Scan# 6065
Delta R.T. -0.01 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Instrument :
MSVOA_L
ClientSampleId :
VL1217ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.2	11.0	16.6
129	10.8	8.9	13.3

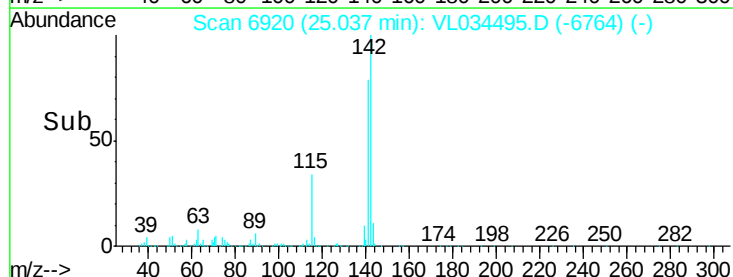
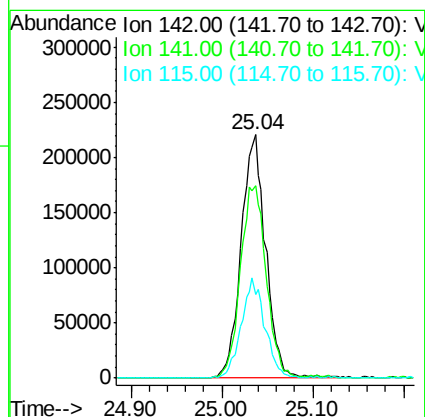
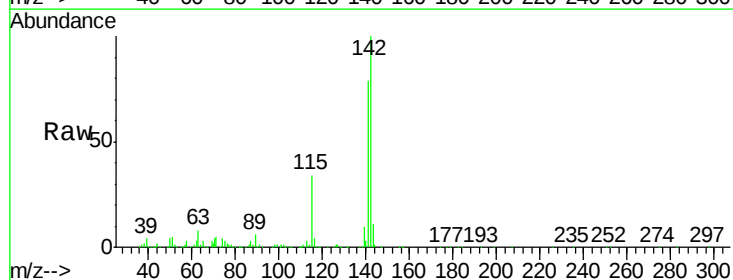
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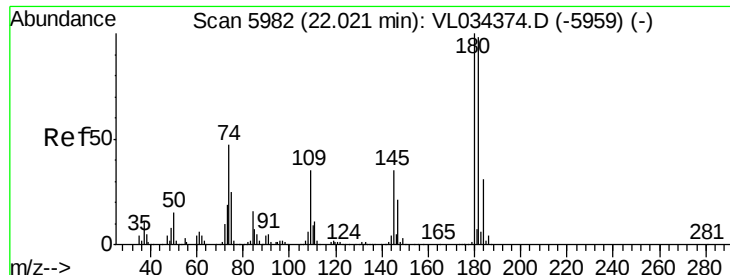
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#80
Naphthalene, 2-methyl-
Concen: 3.296 ppbv
RT: 25.04 min Scan# 6920
Delta R.T. 0.00 min
Lab File: VL034495.D
Acq: 17 Dec 2019 15:55

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.6	67.1	100.7
115	39.9	36.6	54.8





#81
 1,2,4-Trichlorobenzene
 Concen: 7.550 ppbv
 RT: 22.02 min Scan# 5981
 Delta R.T. -0.00 min
 Lab File: VL034495.D
 Acq: 17 Dec 2019 15:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1217ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.8	115.2
184	30.9	24.9	37.3

Manual Integrations
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