

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120219\
 Data File : VL034423.D
 Acq On : 2 Dec 2019 12:23
 Operator : SY/AP
 Sample : VL1202ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1202ABS01

Manual Integrations
 APPROVED

MMDadoda
 12/6/2019 12:45:49 PM

Quant Time: Dec 03 03:12:07 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	5.69	49	990876	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	2036188	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.15	117	2309076	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1766334	9.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	1447978	8.078	ppbv 94
3) Chlorodifluoromethane	2.97	51	1246782	10.085	ppbv 100
4) Chloromethane	3.12	50	753771	10.337	ppbv 99
5) Vinyl Chloride	3.24	62	699000	10.231	ppbv 94
6) Bromomethane	3.46	94	369398	10.745	ppbv 93
7) Chloroethane	3.54	64	268177	10.814	ppbv 93
8) Dichlorotetrafluoroethane	3.17	85	1619212	10.059	ppbv 99
9) Propene	2.99	41	557261	10.153	ppbv 99
10) Heptane	8.17	43	1497702	10.573	ppbv 99
11) Trichlorofluoromethane	3.94	101	1834010	10.280	ppbv 93
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1216490	10.268	ppbv 100
13) Ethanol	3.59	45	110692	7.240	ppbv 93
14) Bromoethene	3.73	108	513133	10.652	ppbv 99
15) Acetone	3.84	43	1339141	9.438	ppbv 99
16) 1,3-Butadiene	3.31	39	646011	10.452	ppbv 98
17) tert-Butyl alcohol	4.29	59	1045445	8.766	ppbv 100
18) 1,1-Dichloroethene	4.29	96	551324	10.638	ppbv 97
19) Isopropyl Alcohol	3.96	45	832223	9.151	ppbv 100
20) Methylene Chloride	4.35	84	480156	9.543	ppbv 93
21) Allyl Chloride	4.41	41	939254	11.047	ppbv 98
22) trans-1,2-Dichloroethene	4.90	96	570814	10.926	ppbv 91
23) Vinyl Acetate	5.09	43	2039269	11.002	ppbv 99
24) 1,1-Dichloroethane	5.02	63	1481033	10.402	ppbv 99
25) Ethyl Acetate	5.69	43	2597335	10.258	ppbv 99
26) Hexane	5.71	57	1101552	10.125	ppbv 98
27) Carbon Disulfide	4.55	76	1412876	11.923	ppbv 98
28) Methyl tert-Butyl Ether	5.04	73	1919863	10.642	ppbv 100
29) Chloroform	5.78	83	1827506	10.373	ppbv 92
30) Cyclohexane	7.17	84	888439	10.802	ppbv 98
31) cis-1,2-Dichloroethene	5.57	61	1218914	10.842	ppbv 96
32) 1,1,1-Trichloroethane	6.54	97	1840918	11.144	ppbv 100
34) 2-Butanone	5.26	43	1718519	10.254	ppbv 100
35) Carbon Tetrachloride	7.05	117	1923336	10.986	ppbv 98
36) Benzene	6.93	78	2111037	10.371	ppbv 97
37) 1,2-Dichloroethane	6.34	62	1570131	10.384	ppbv 99
38) Trichloroethene	7.88	130	851834	10.198	ppbv 98
39) 1,2-Dichloropropane	7.66	63	885193	11.288	ppbv 94
40) 1,4-Dioxane	7.87	88	310042	9.051	ppbv # 97
41) Tetrahydrofuran	6.07	42	995983	10.595	ppbv 99
42) Bromodichloromethane	7.84	83	2033724	10.754	ppbv 100
43) Methyl Methacrylate	8.06	69	918665	10.882	ppbv 99

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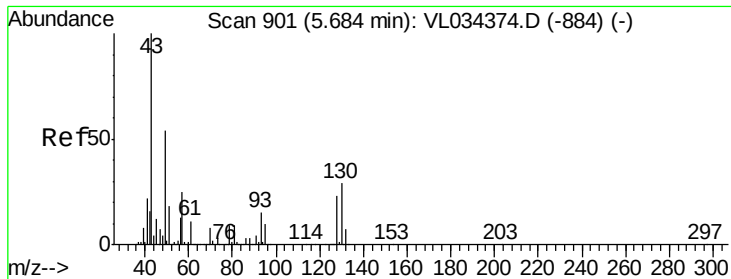
Manual Integrations
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Quant Time: Dec 03 03:12:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3760713	10.110	ppbv	100
45) t-1,3-Dichloropropene	9.33	75	1264794	11.682	ppbv	97
46) cis-1,3-Dichloropropene	8.75	75	1414377	11.630	ppbv	99
47) 1,1,2-Trichloroethane	9.53	97	914889	10.488	ppbv	95
48) Dibromochloromethane	10.37	129	1701114	11.358	ppbv	99
49) Bromoform	13.11	173	1533127	11.467	ppbv	99
50) 4-Methyl-2-Pentanone	8.79	43	2534990	10.454	ppbv	100
51) 2-Hexanone	10.18	43	2136357	10.517	ppbv	99
52) Tetrachloroethene	11.28	164	823074	9.346	ppbv	96
53) Toluene	9.86	91	2458330	10.633	ppbv	99
54) 1,2-Dibromoethane	10.67	107	1390164	10.395	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.19	131	1102703	9.763	ppbv	94
57) Chlorobenzene	12.21	112	1905850	9.131	ppbv	99
58) Ethyl Benzene	12.78	91	3370387	9.406	ppbv	98
59) m/p-Xylene	13.07	91	5669783m	18.304	ppbv	
60) o-Xylene	13.76	91	2827903	9.234	ppbv	99
61) Styrene	13.60	104	2126109	9.627	ppbv	100
62) Isopropylbenzene	14.74	105	3699617	9.134	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.75	83	2000592	8.690	ppbv	100
64) n-propylbenzene	15.64	120	989451	9.407	ppbv	98
65) tert-Butylbenzene	16.82	119	3316459	9.115	ppbv	100
66) Benzyl Chloride	17.07	91	1679738	12.001	ppbv	99
67) sec-Butylbenzene	17.37	105	4574748	8.989	ppbv	100
69) p-Isopropyltoluene	17.73	119	3854138	9.125	ppbv	100
70) n-Butylbenzene	18.63	91	4048963	8.909	ppbv	99
71) 2-Chlorotoluene	15.53	91	2949895	9.134	ppbv	99
72) 4-Ethyltoluene	15.92	105	3282644	9.276	ppbv	99
73) 1,3,5-Trimethylbenzene	16.07	105	3166901	9.143	ppbv	99
74) 1,2,4-Trimethylbenzene	16.84	105	3241112	8.809	ppbv	93
75) 1,3-Dichlorobenzene	17.08	146	1866274	8.824	ppbv	100
76) 1,4-Dichlorobenzene	17.22	146	1892876	9.217	ppbv	99
77) 1,2-Dichlorobenzene	17.91	146	1827043	8.944	ppbv	100
78) Hexachloro-1,3-Butadiene	23.46	225	1528464	8.709	ppbv	99
79) Naphthalene	22.31	128	2868093	8.992	ppbv	99
80) Naphthalene, 2-methyl-	25.05	142	1576627	10.946	ppbv	97
81) 1,2,4-Trichlorobenzene	22.04	180	1740252	8.881	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.01 min

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Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

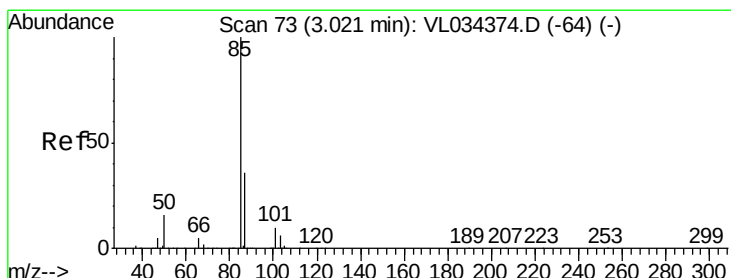
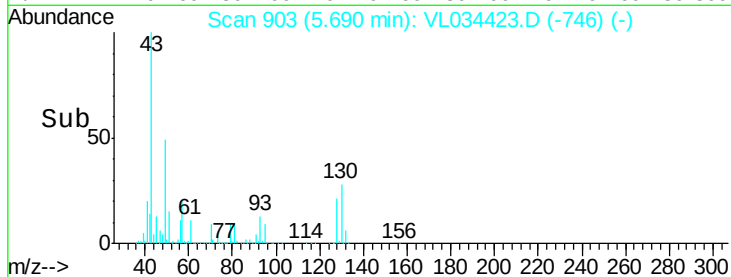
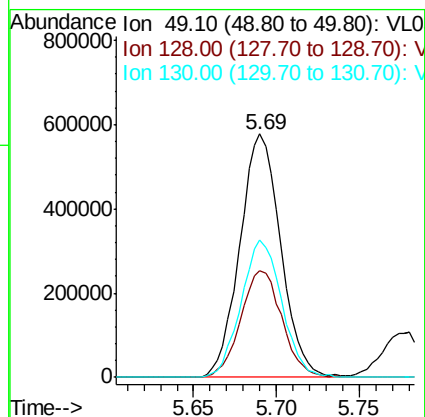
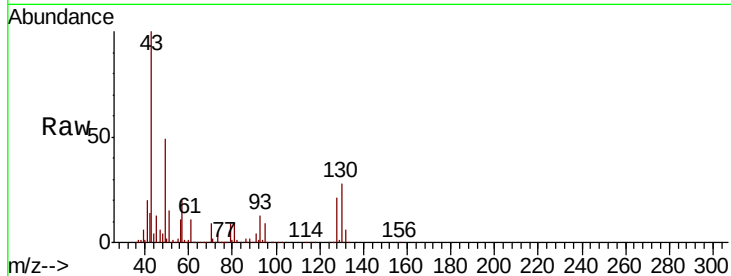
ClientSampleId :

VL1202ABS01

Tot Ion:	49	Resp:	990876
Ion	Ratio	Lower	Upper
49	100		
128	44.4	21.8	65.3
130	56.5	28.0	84.0

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#2

Dichlorodifluoromethane

Concen: 8.078 ppbv

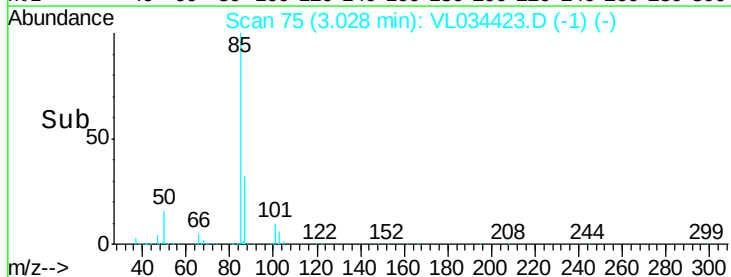
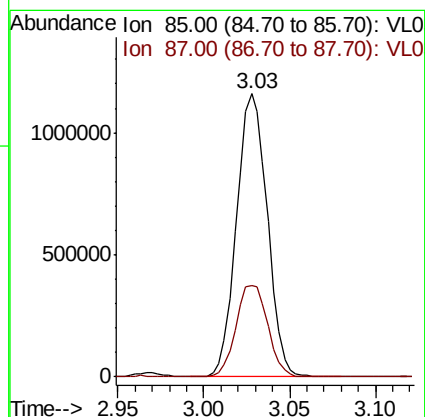
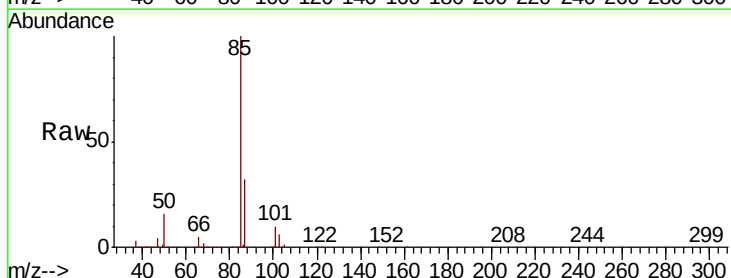
RT: 3.03 min Scan# 75

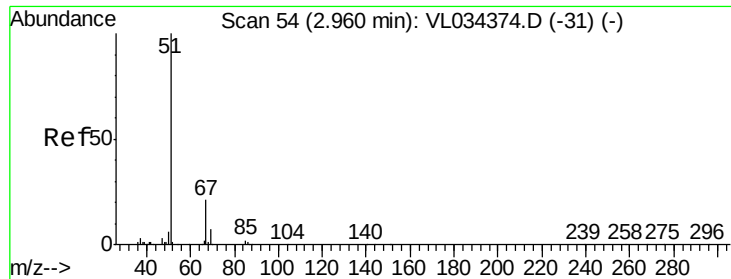
Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Tgt Ion:	85	Resp:	1447978
Ion	Ratio	Lower	Upper
85	100		
87	32.2	28.5	42.7





#3

Chlorodifluoromethane

Concen: 10.085 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Tot Ion: 51 Resp: 1246782

Ion Ratio Lower Upper

51 100

67 20.1 16.2 24.2

Instrument :

MSVOA_L

ClientSampleId :

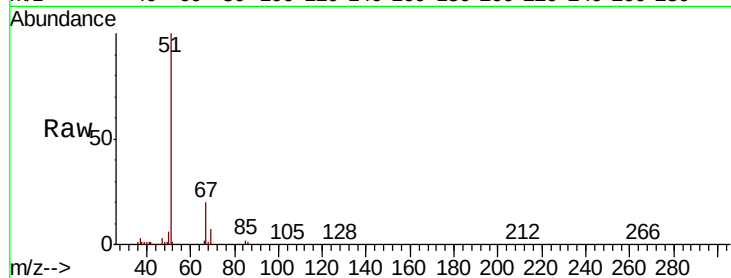
VL1202ABS01

Manual Integrations

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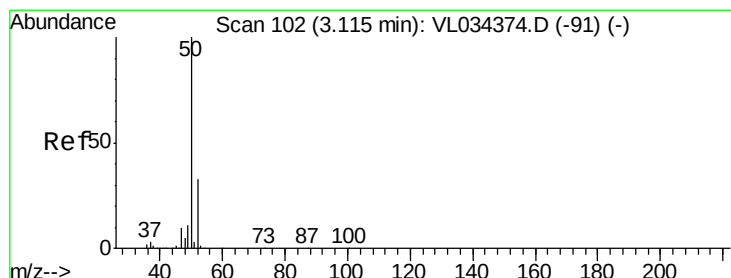
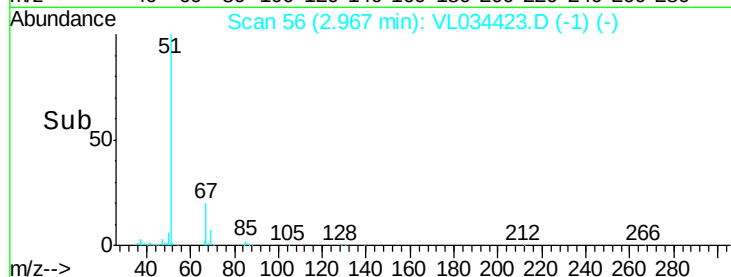
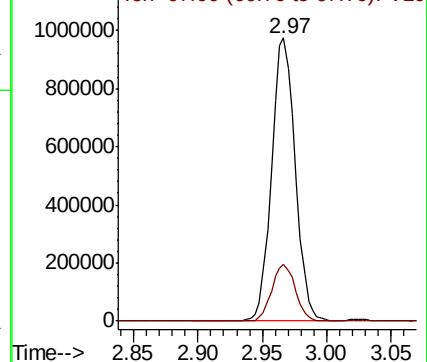
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.337 ppbv

RT: 3.12 min Scan# 104

Delta R.T. 0.01 min

Lab File: VL034423.D

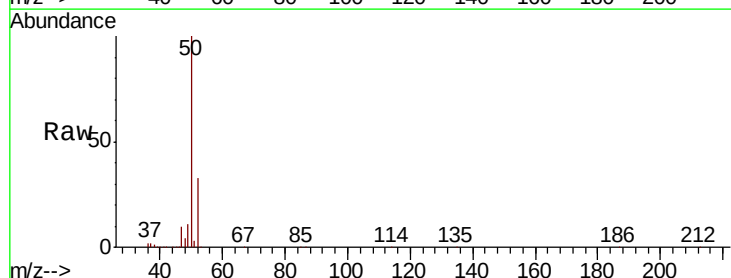
Acq: 2 Dec 2019 12:23

Tgt Ion: 50 Resp: 753771

Ion Ratio Lower Upper

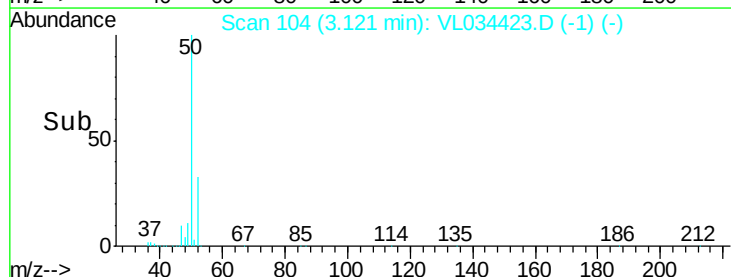
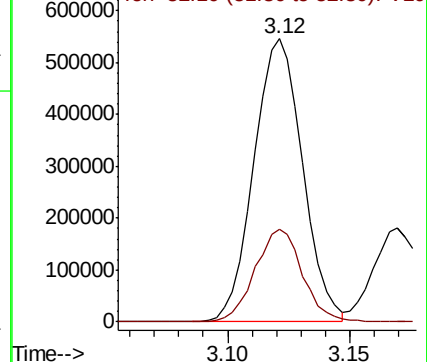
50 100

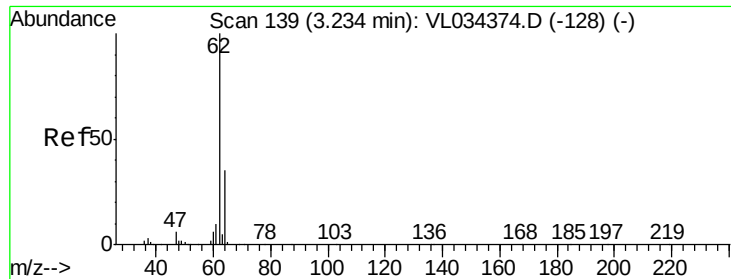
52 32.9 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.231 ppbv

RT: 3.24 min Scan# 141

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

VL1202ABS01

Tot Ion: 62 Resp: 699000

Ion Ratio Lower Upper

62 100

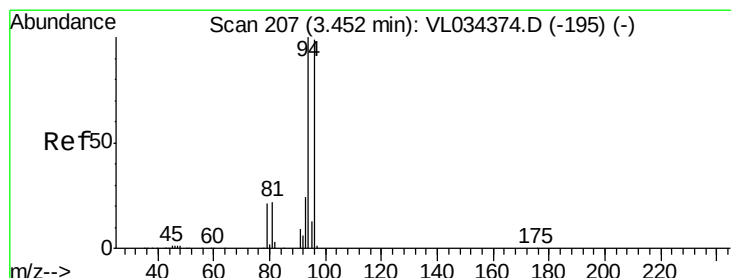
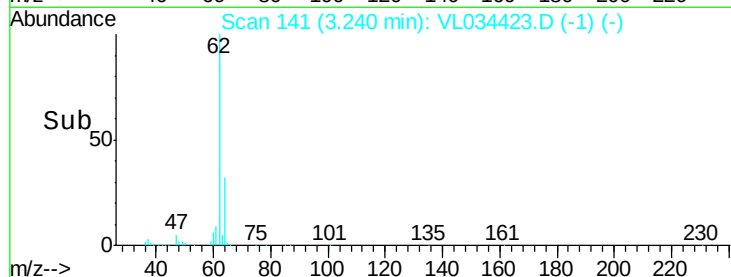
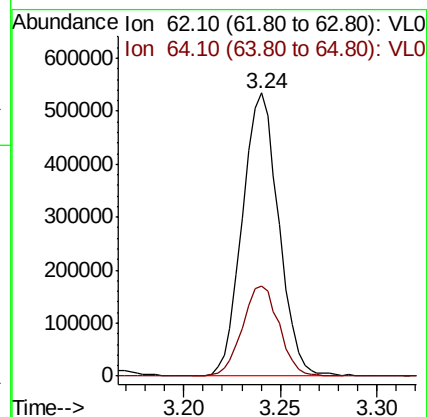
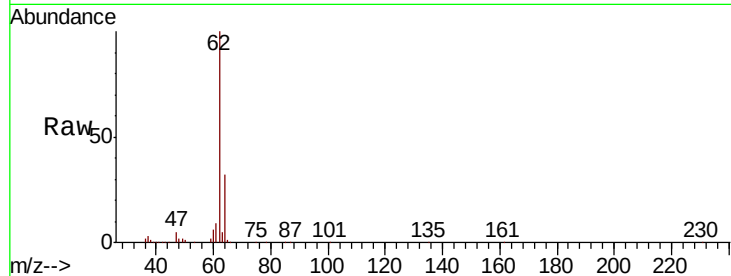
64 32.0 28.4 42.6

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#6

Bromomethane

Concen: 10.745 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.01 min

Lab File: VL034423.D

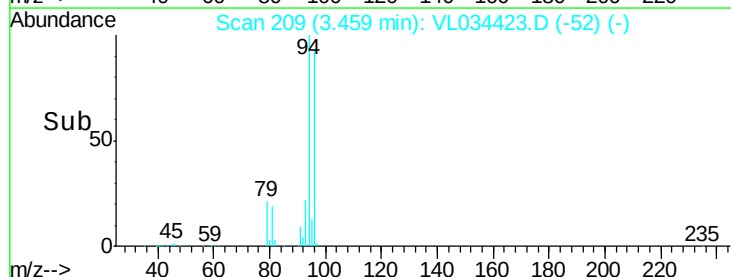
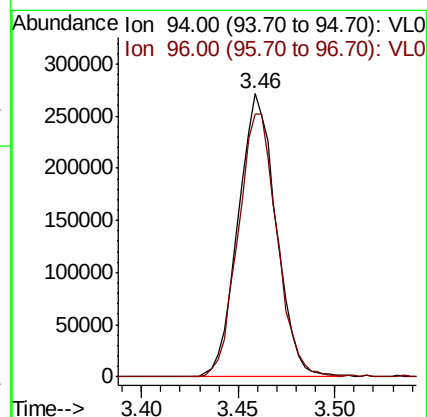
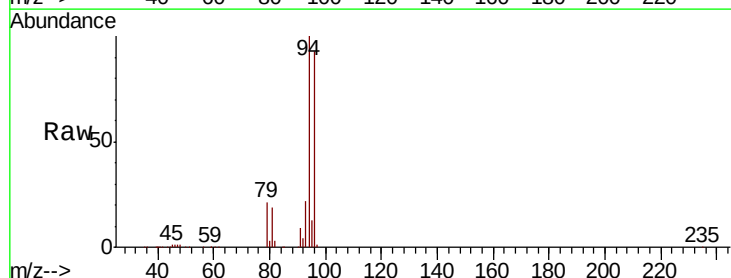
Acq: 2 Dec 2019 12:23

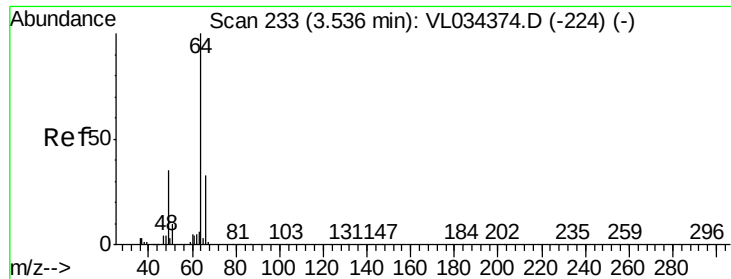
Tgt Ion: 94 Resp: 369398

Ion Ratio Lower Upper

94 100

96 92.6 79.5 119.3





#7

Chloroethane

Concen: 10.814 ppbv

RT: 3.54 min Scan# 235

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

VL1202ABS01

Tot Ion: 64 Resp: 268177

Ion Ratio Lower Upper

64 100

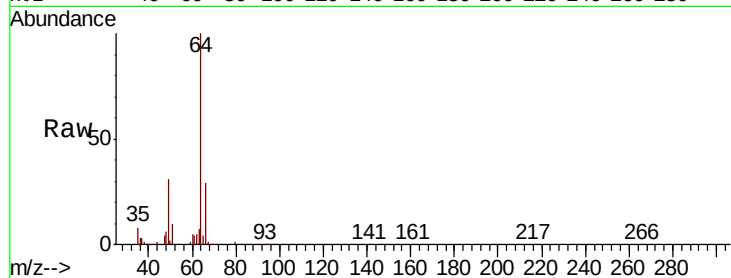
66 28.7 26.0 39.0

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

200000

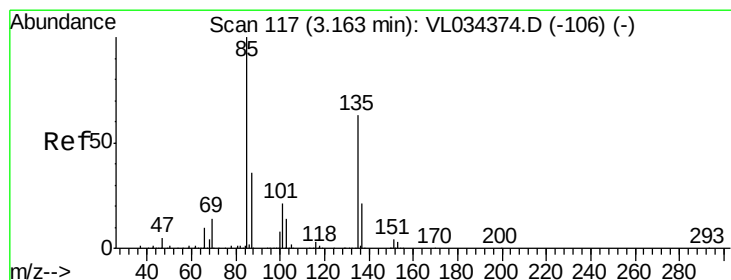
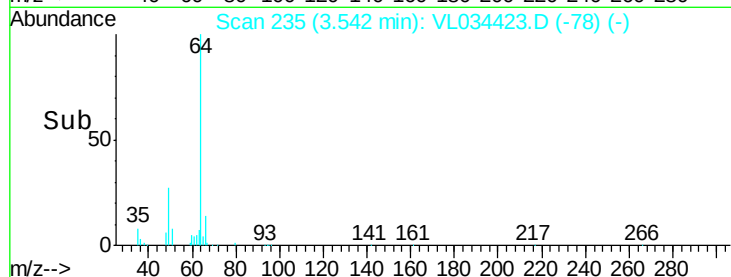
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.059 ppbv

RT: 3.17 min Scan# 119

Delta R.T. 0.01 min

Lab File: VL034423.D

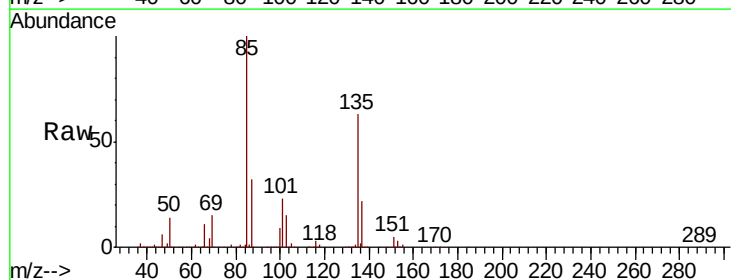
Acq: 2 Dec 2019 12:23

Tgt Ion: 85 Resp: 1619212

Ion Ratio Lower Upper

85 100

135 64.3 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

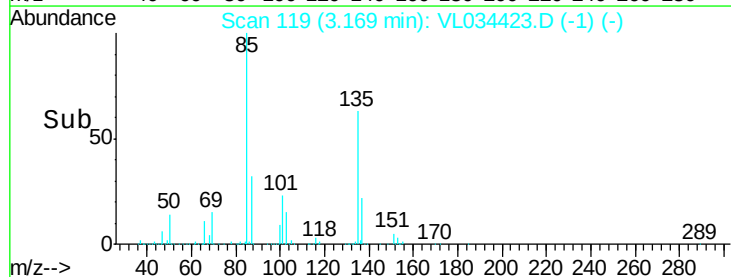
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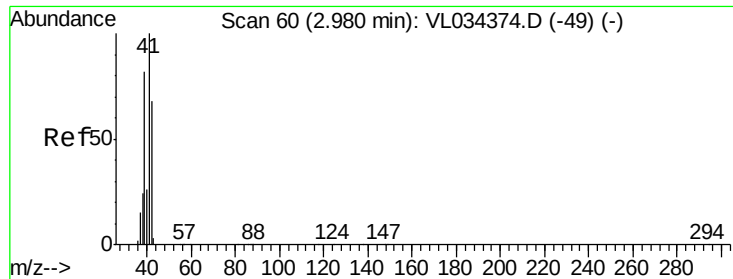
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500000

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Time-->





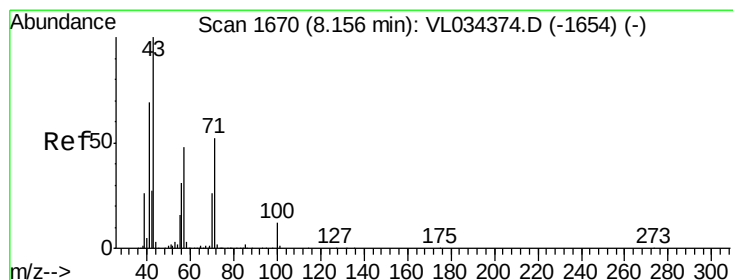
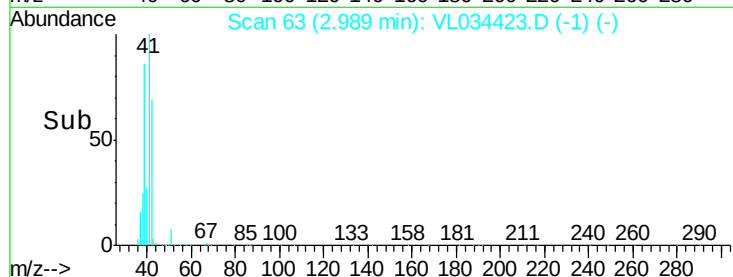
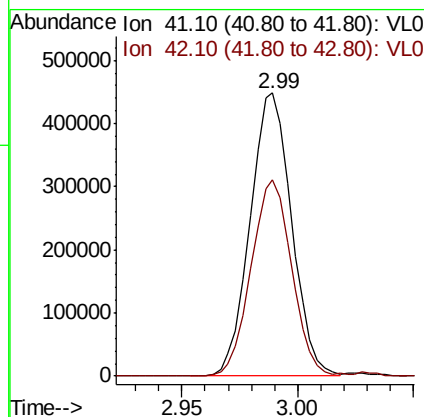
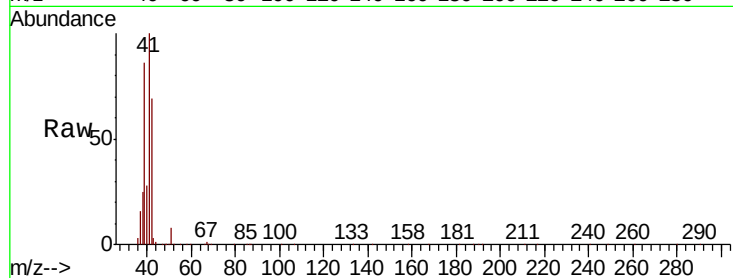
#9
 Propene
 Concen: 10.153 ppbv
 RT: 2.99 min Scan# 63
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1202ABS01

Tot Ion: 41 Resp: 557261
 Ion Ratio Lower Upper
 41 100
 42 69.1 54.6 82.0

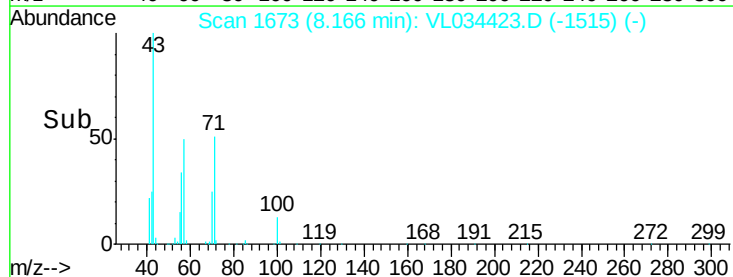
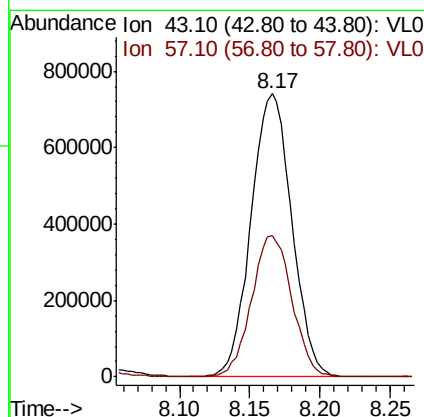
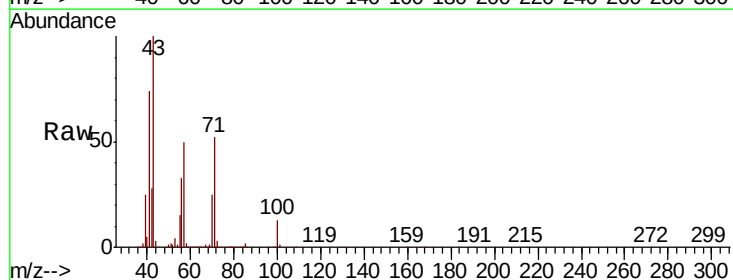
Manual Integrations
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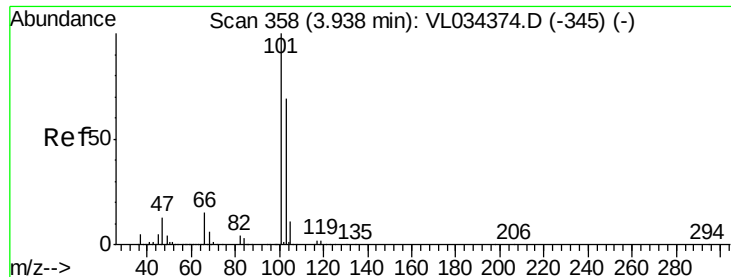
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#10
 Heptane
 Concen: 10.573 ppbv
 RT: 8.17 min Scan# 1673
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

Tgt Ion: 43 Resp: 1497702
 Ion Ratio Lower Upper
 43 100
 57 49.6 40.2 60.2





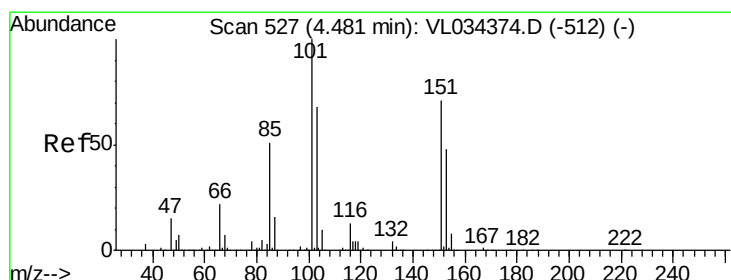
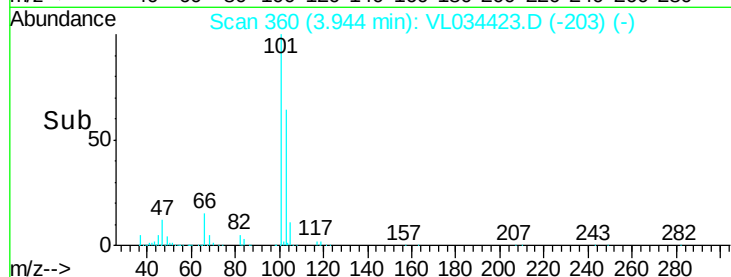
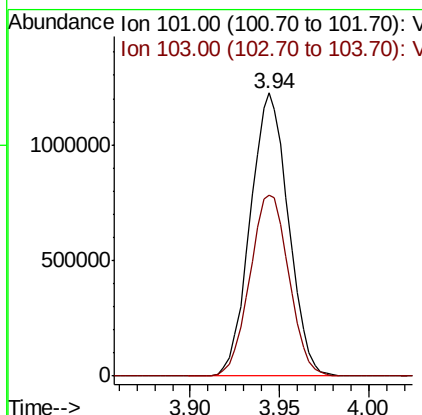
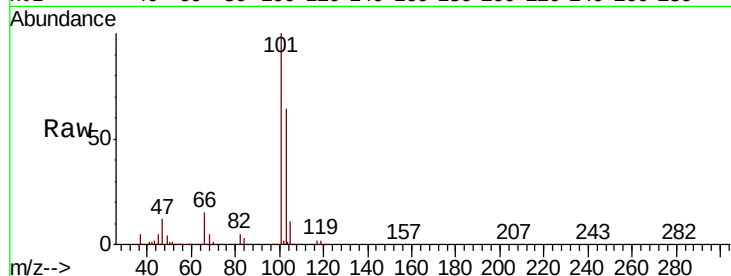
#11
 Trichlorofluoromethane
 Concen: 10.280 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1202ABS01

Tot Ion:101 Resp: 1834010
 Ion Ratio Lower Upper
 101 100
 103 63.8 55.4 83.0

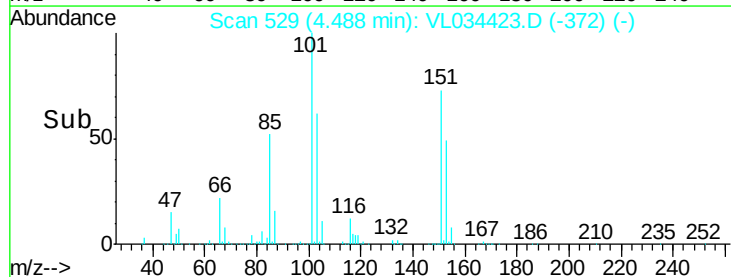
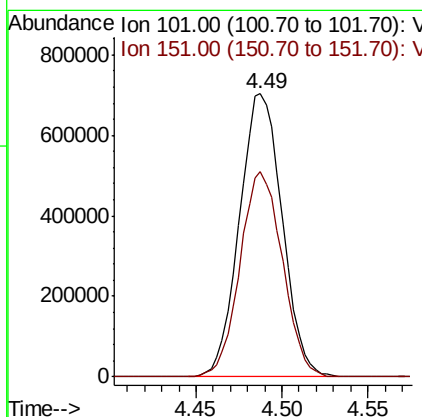
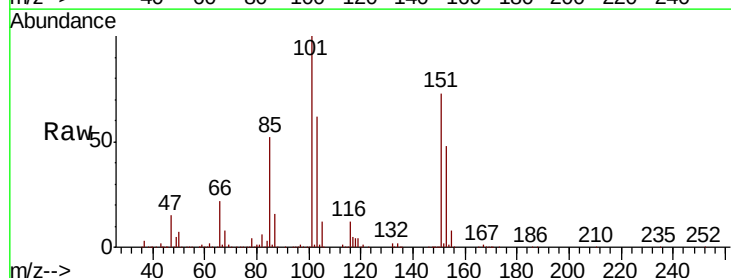
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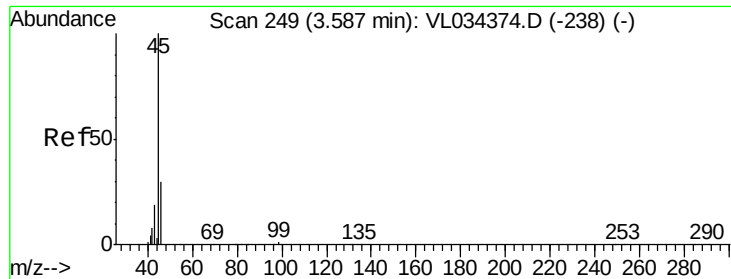
MMDadoda
 12/6/2019 12:45:49 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.268 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

Tgt Ion:101 Resp: 1216490
 Ion Ratio Lower Upper
 101 100
 151 72.1 57.4 86.2





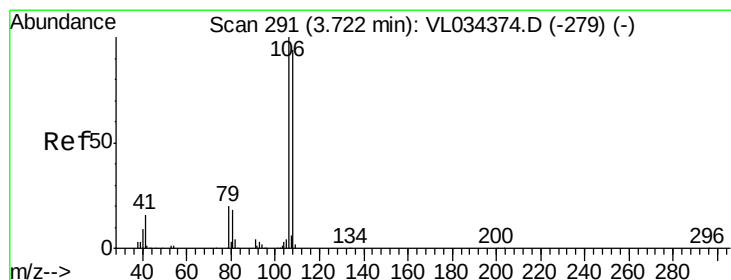
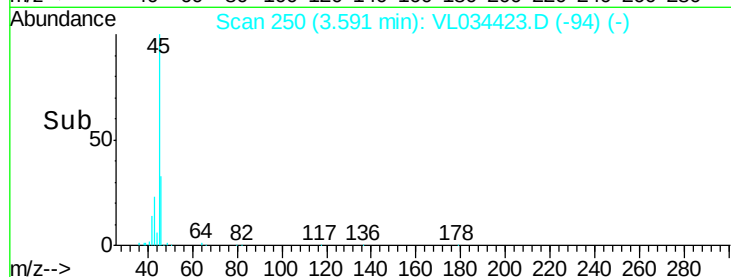
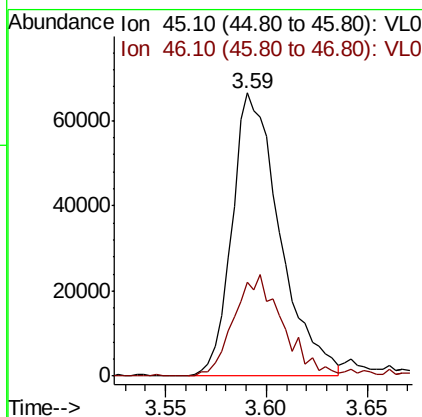
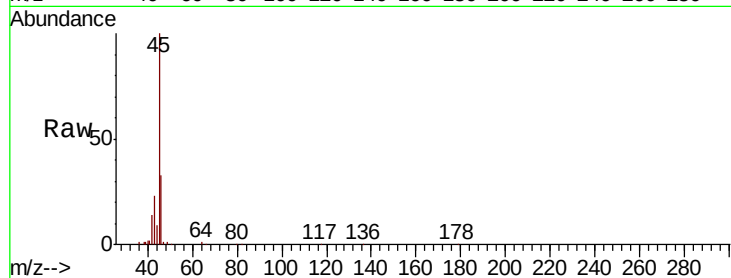
#13
Ethanol
Concen: 7.240 ppbv
RT: 3.59 min Scan# 250
Delta R.T. 0.00 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Instrument :
MSVOA_L
ClientSampleId :
VL1202ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	38.4	13.8	55.4

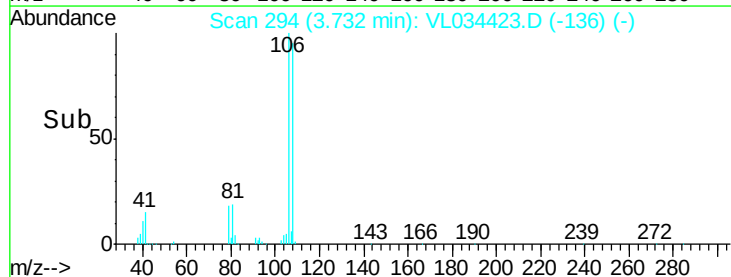
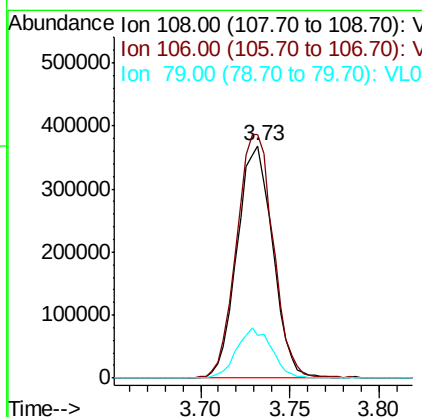
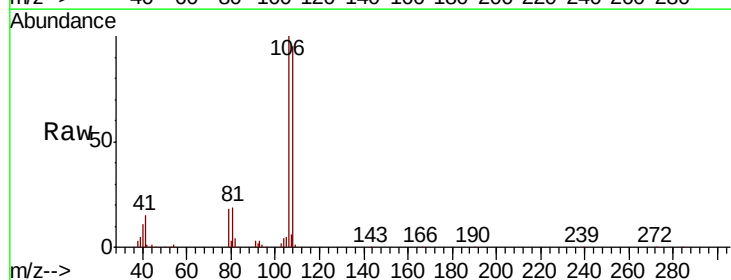
Manual Integrations
APPROVED

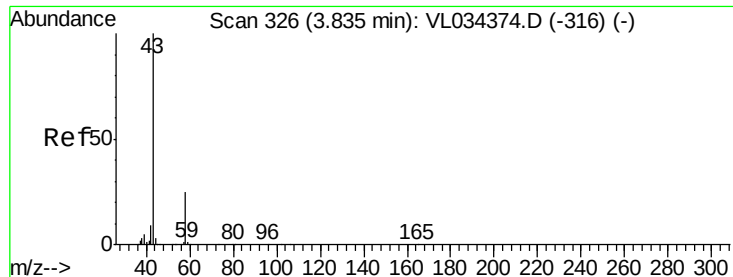
MMDadoda
12/6/2019 12:45:49 PM



#14
Bromoethene
Concen: 10.652 ppbv
RT: 3.73 min Scan# 294
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Tgt Ion	Ratio	Lower	Upper
108	100		
106	108.6	85.7	128.5
79	21.3	17.2	25.8





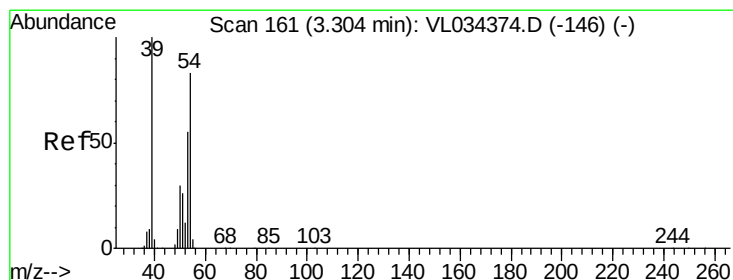
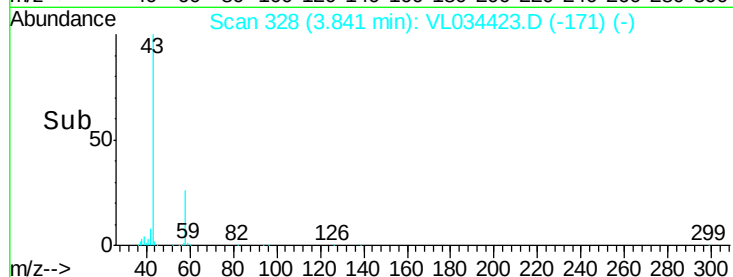
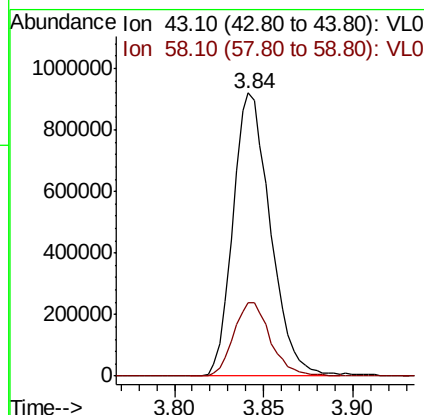
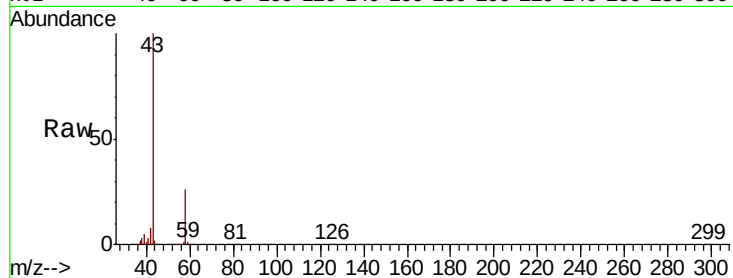
#15
Acetone
Concen: 9.438 ppbv
RT: 3.84 min Scan# 328
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Instrument :
MSVOA_L
ClientSampleId :
VL1202ABS01

Tot Ion: 43 Resp: 1339141
Ion Ratio Lower Upper
43 100
58 25.7 20.2 30.4

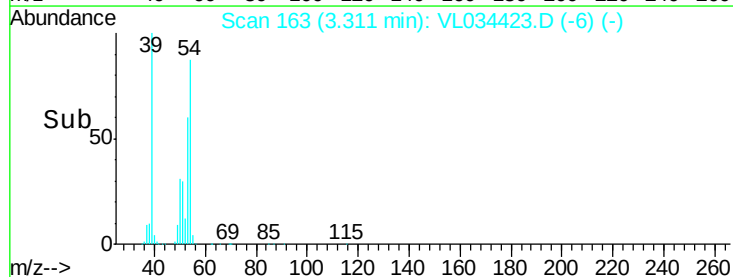
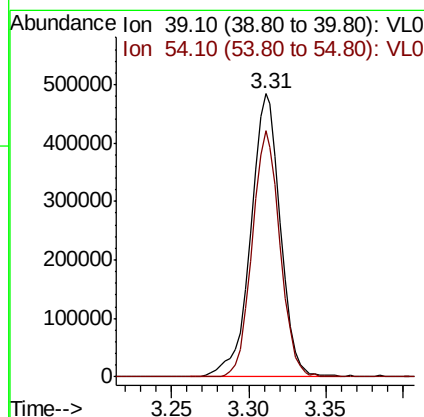
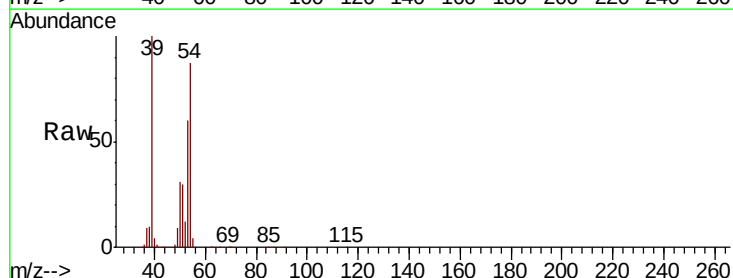
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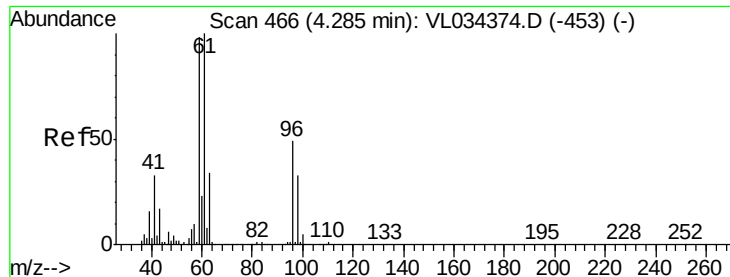
MMDadoda
12/6/2019 12:45:49 PM



#16
1,3-Butadiene
Concen: 10.452 ppbv
RT: 3.31 min Scan# 163
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Tgt Ion: 39 Resp: 646011
Ion Ratio Lower Upper
39 100
54 82.2 64.7 97.1





#17

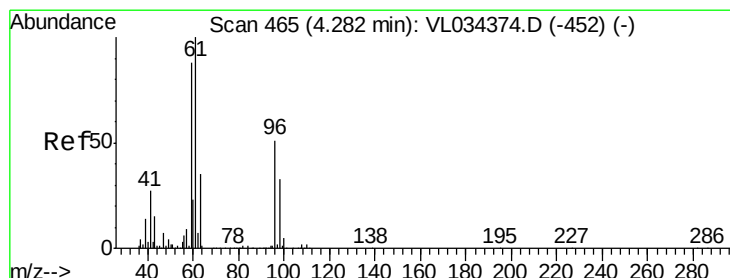
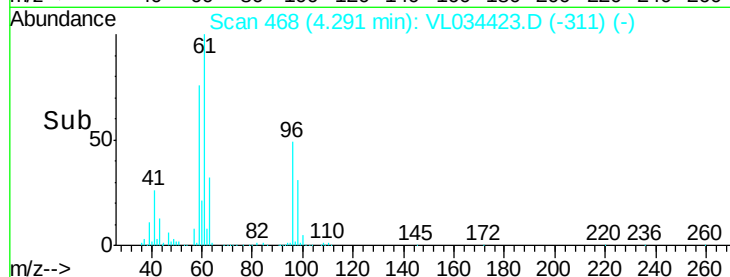
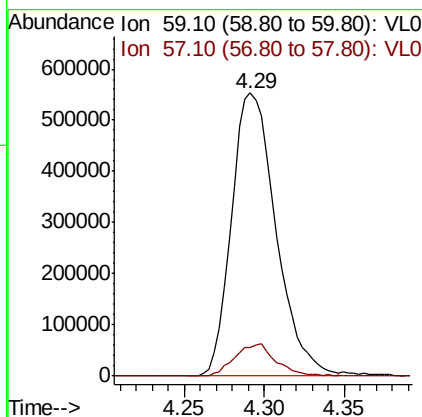
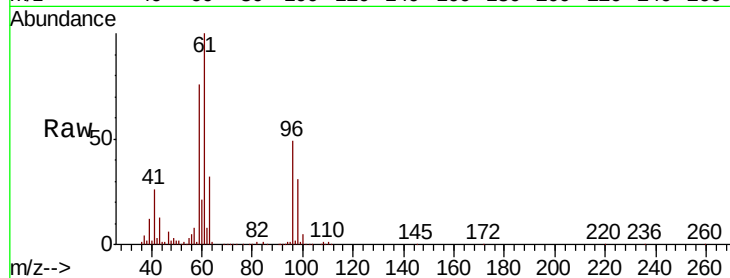
tert-Butyl alcohol
Concen: 8.766 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Instrument :
MSVOA_L
ClientSampleId :
VL1202ABS01

Tot Ion: 59 Resp: 1045445
Ion Ratio Lower Upper
59 100
57 10.8 8.8 13.2

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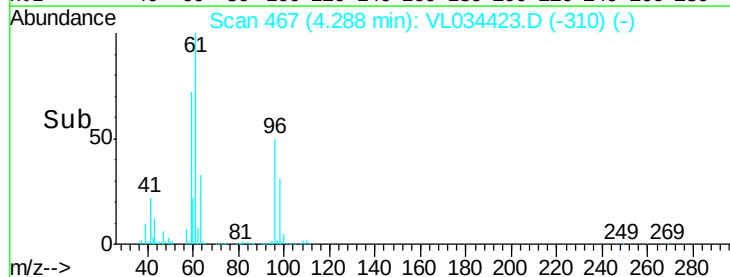
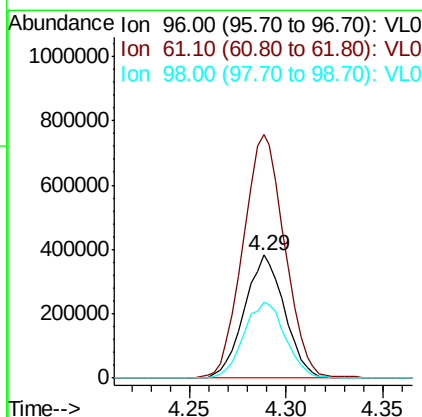
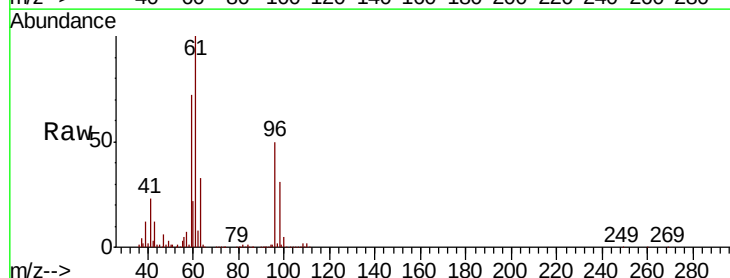
MMDadoda
12/6/2019 12:45:49 PM

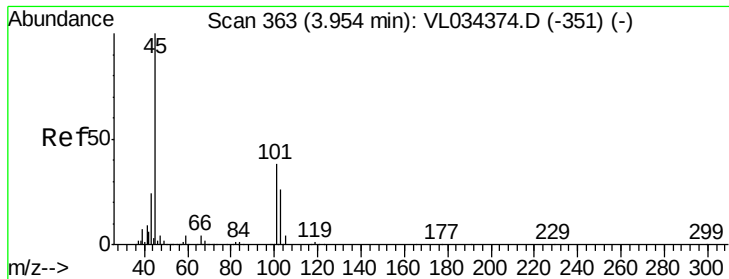


#18

1,1-Dichloroethene
Concen: 10.638 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Tgt Ion: 96 Resp: 551324
Ion Ratio Lower Upper
96 100
61 198.1 155.6 233.4
98 62.3 51.6 77.4





#19

Isopropyl Alcohol

Concen: 9.151 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL034423.D

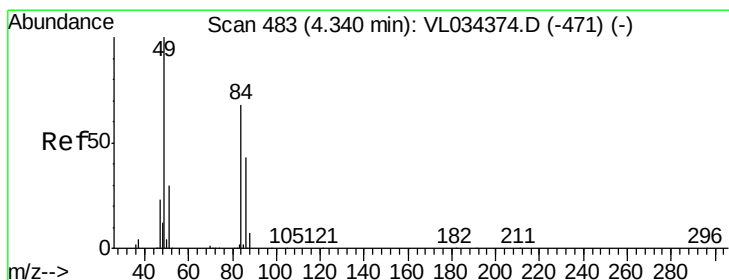
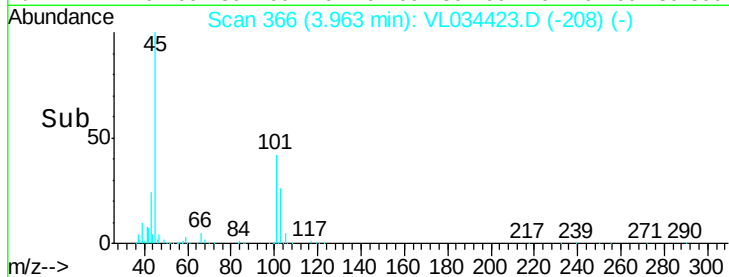
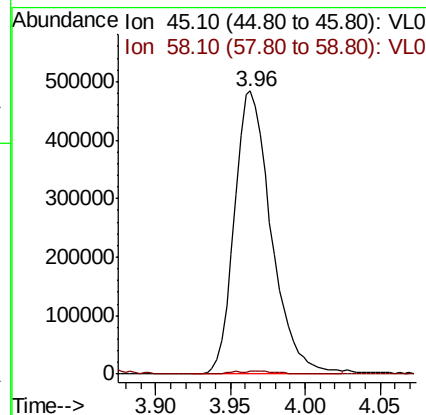
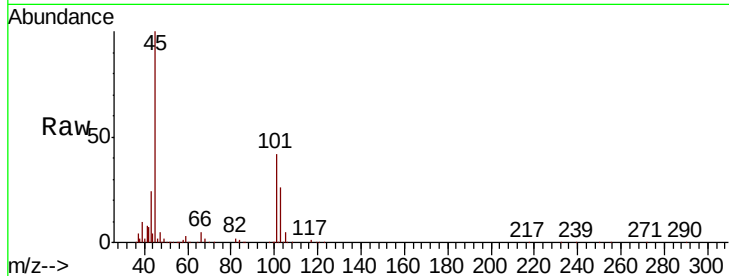
Acq: 2 Dec 2019 12:23

Tot Ion:	45	Resp:	832223
Ion Ratio	Lower	Upper	
45	100		
58	1.6	1.3	1.9

Instrument :
MSVOA_L
ClientSampleId :
VL1202ABS01

Manual Integrations
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#20

Methylene Chloride

Concen: 9.543 ppbv

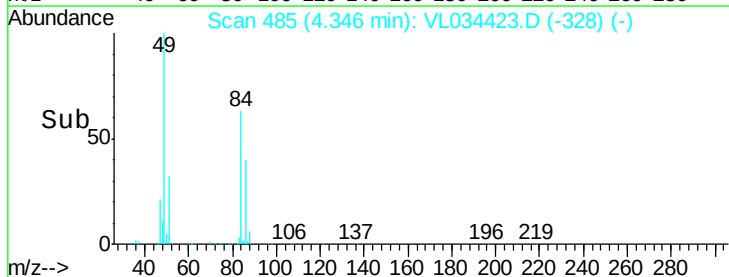
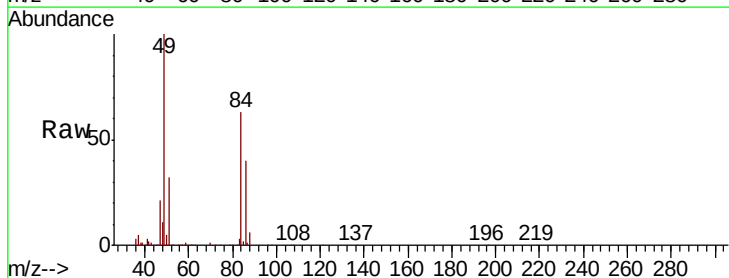
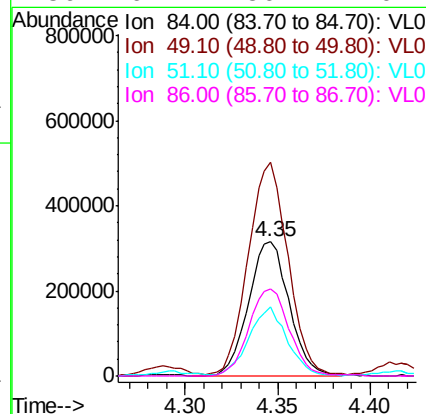
RT: 4.35 min Scan# 485

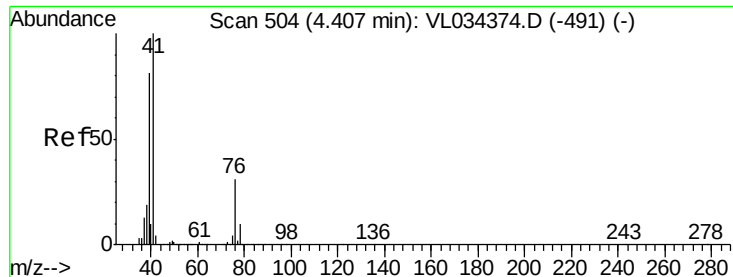
Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Tgt Ion:	84	Resp:	480156
Ion Ratio	Lower	Upper	
84	100		
49	157.5	116.8	175.2
51	51.3	35.6	53.4
86	64.4	50.7	76.1





#21

Allvl Chloride

Concen: 11.047 ppbv

RT: 4.41 min Scan# 506

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

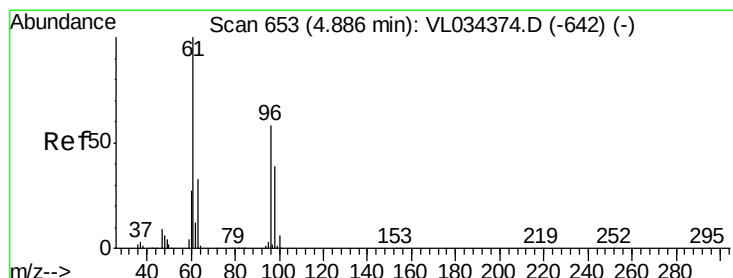
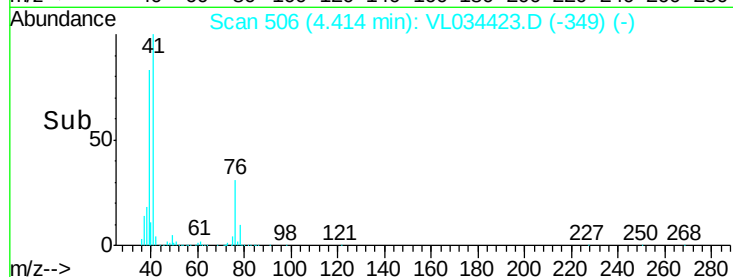
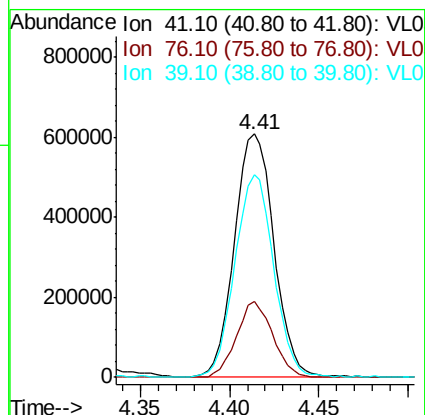
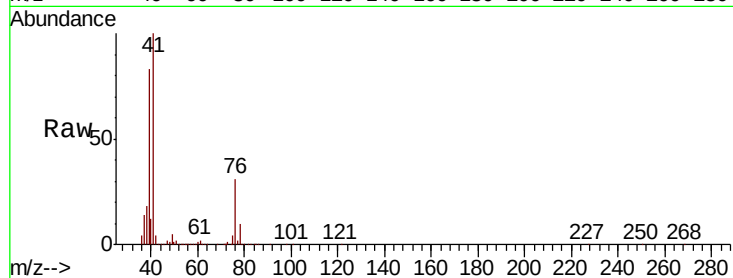
ClientSampleId :

VL1202ABS01

Tot Ion:	41	Resp:	939254
Ion	Ratio	Lower	Upper
41	100		
76	28.9	24.2	36.2
39	81.9	66.9	100.3

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#22

trans-1,2-Dichloroethene

Concen: 10.926 ppbv

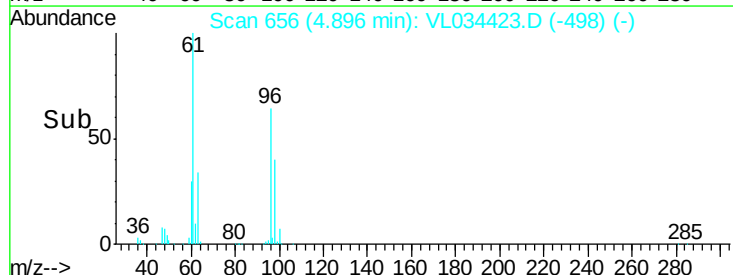
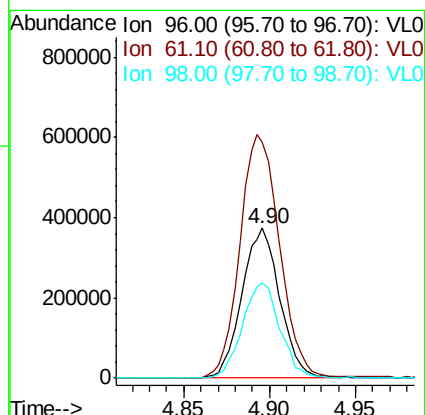
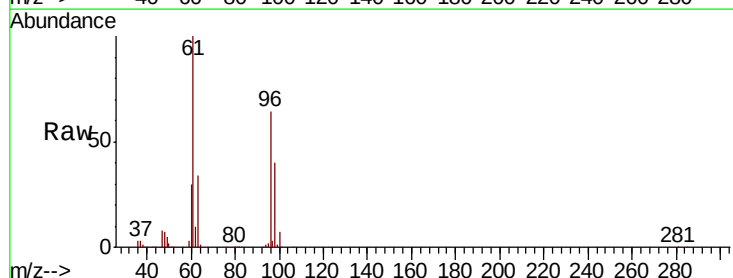
RT: 4.90 min Scan# 656

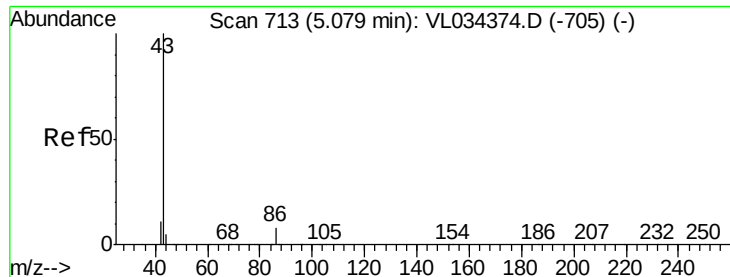
Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Tgt Ion:	96	Resp:	570814
Ion	Ratio	Lower	Upper
96	100		
61	157.3	137.9	206.9
98	63.3	53.5	80.3





#23

Vinyl Acetate

Concen: 11.002 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

VL1202ABS01

Tot Ion: 43 Resp: 2039269

Ion Ratio Lower Upper

43 100

86 6.8 5.8 8.6

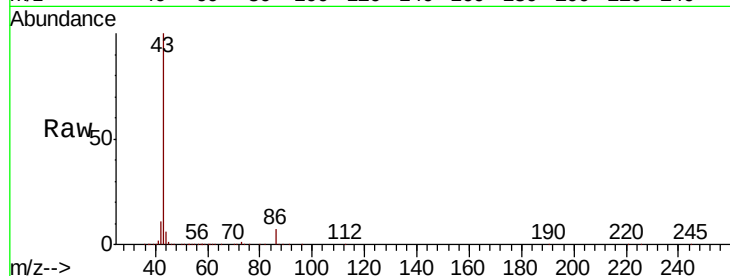
42 11.1 8.9 13.3

44 5.5 4.0 6.0

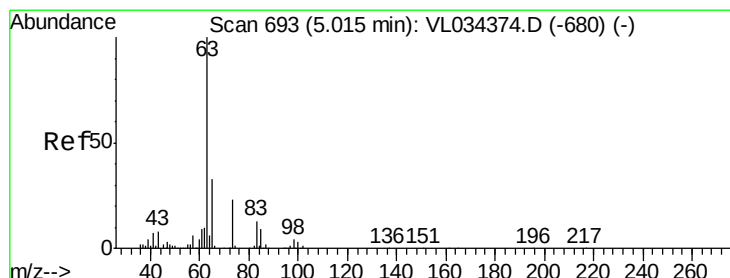
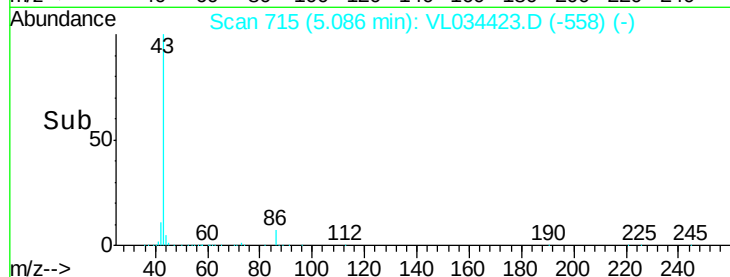
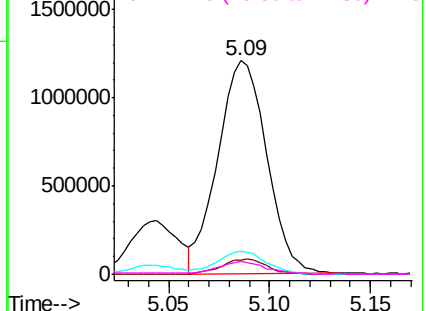
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.402 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

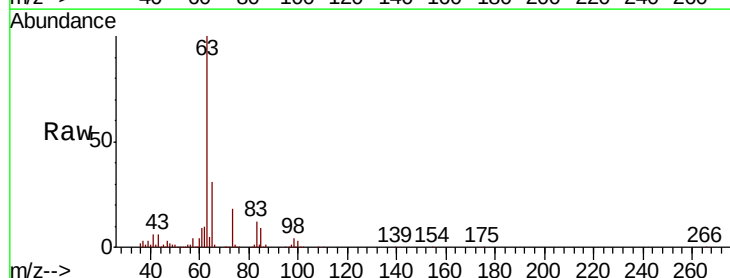
Tgt Ion: 63 Resp: 1481033

Ion Ratio Lower Upper

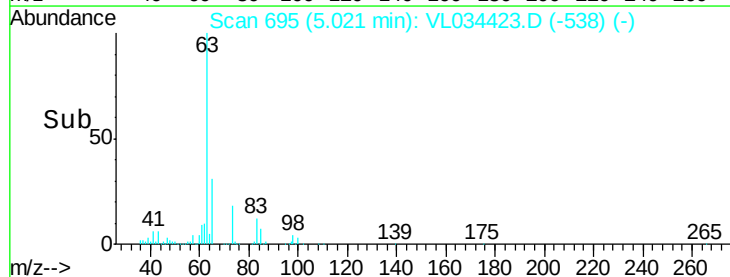
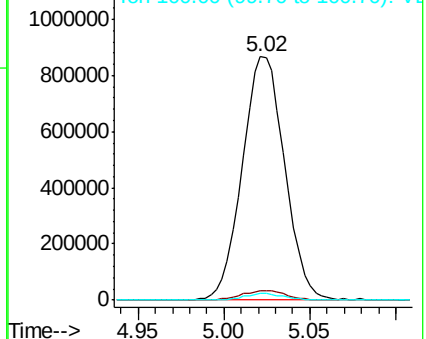
63 100

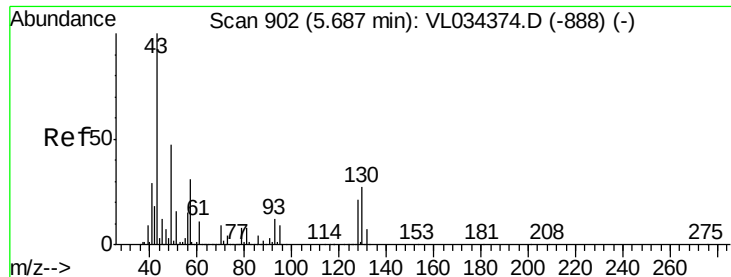
98 4.0 1.9 5.7

100 2.8 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





#25

Ethyl Acetate

Concen: 10.258 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

VL1202ABS01

Tot Ion: 43 Resp: 2597335

Ion Ratio Lower Upper

43 100

45 10.6 8.2 12.4

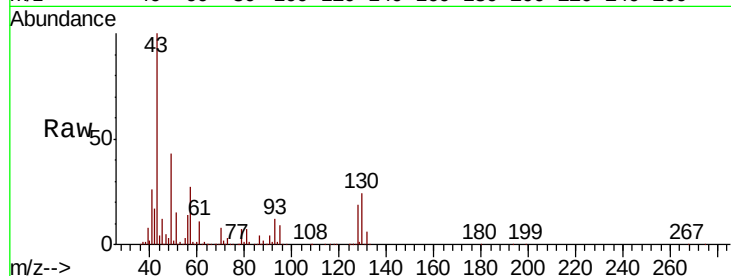
61 9.7 7.5 11.3

70 7.3 5.7 8.5

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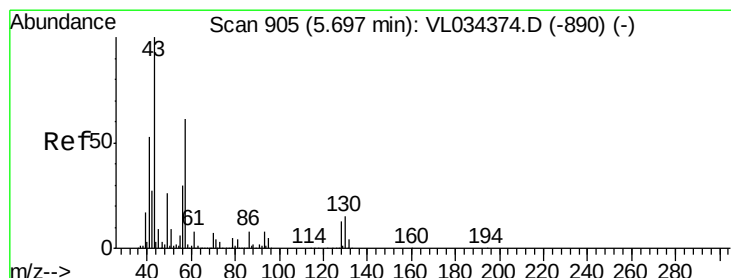
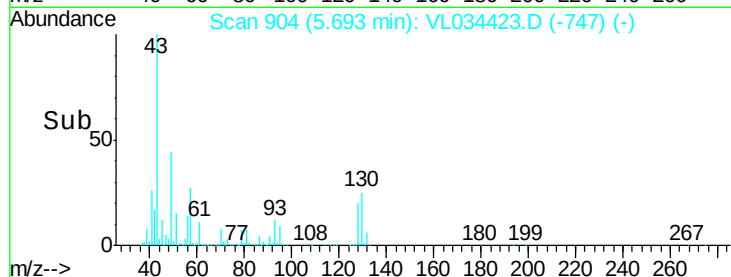
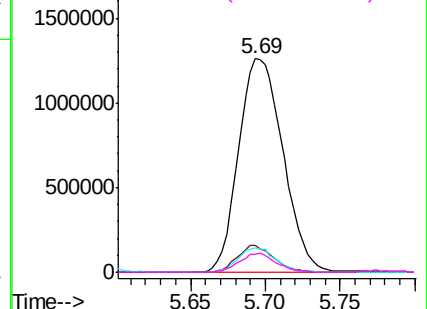
Abundance

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: 10.125 ppbv

RT: 5.71 min Scan# 909

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Tgt Ion: 57 Resp: 1101552

Ion Ratio Lower Upper

57 100

41 94.9 75.0 112.4

43 236.5 186.6 279.8

56 53.5 41.5 62.3

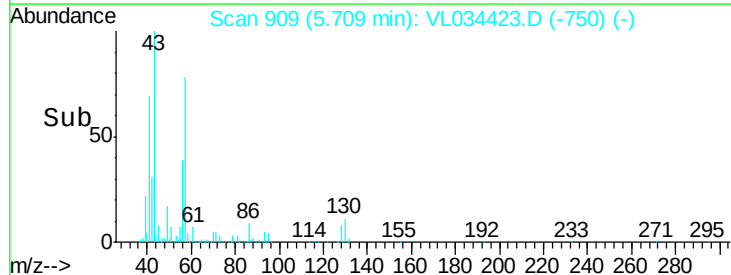
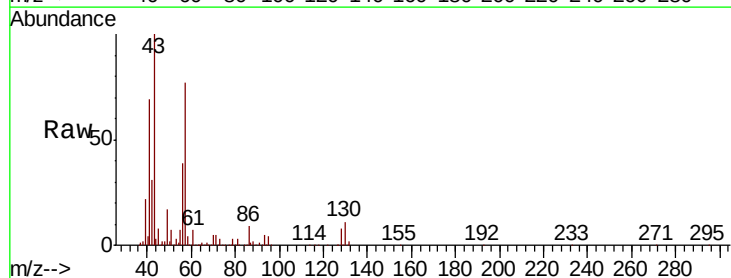
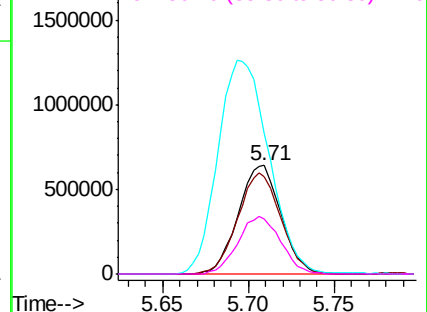
Abundance

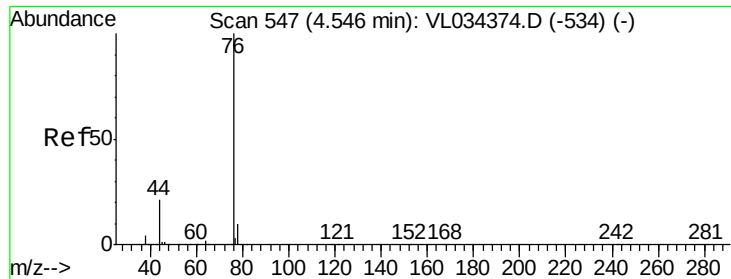
Ion 57.10 (56.80 to 57.80): VL0

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: 11.923 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

VL1202ABS01

Tot Ion: 76 Resp: 1412876

Ion Ratio Lower Upper

76 100

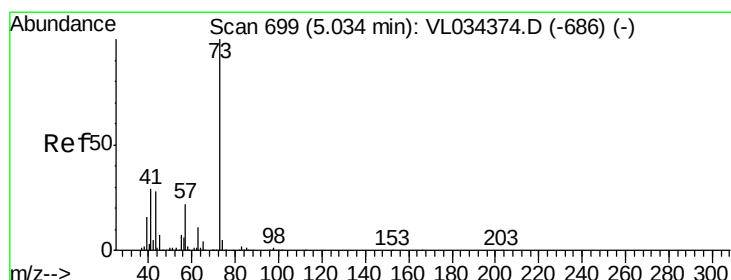
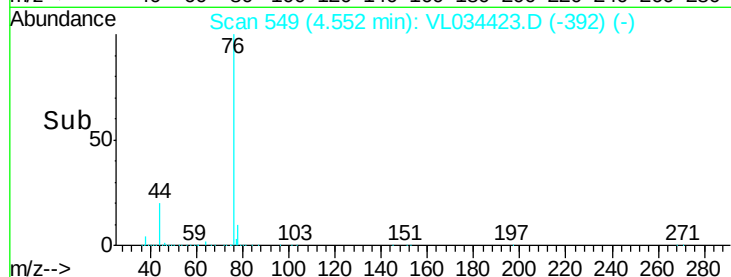
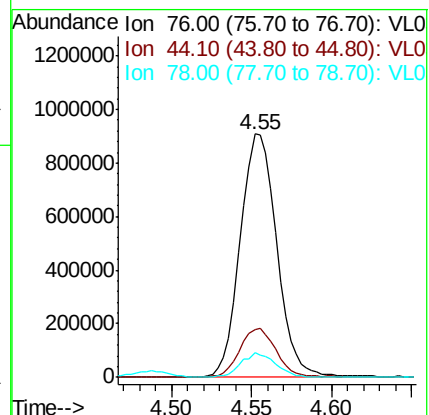
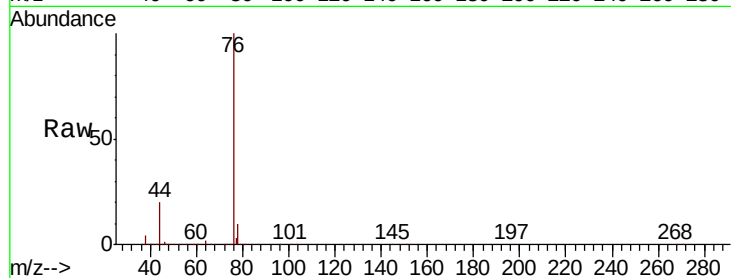
44 19.9 17.0 25.4

78 9.5 7.6 11.4

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#28

Methyl tert-Butyl Ether

Concen: 10.642 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.01 min

Lab File: VL034423.D

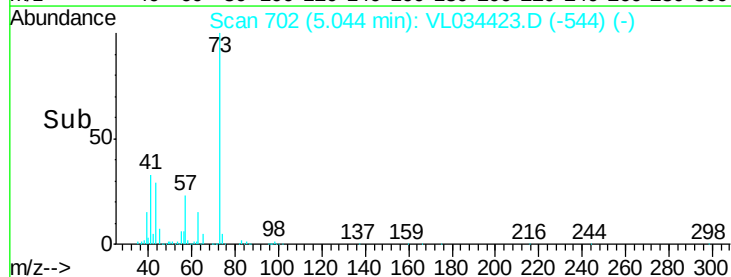
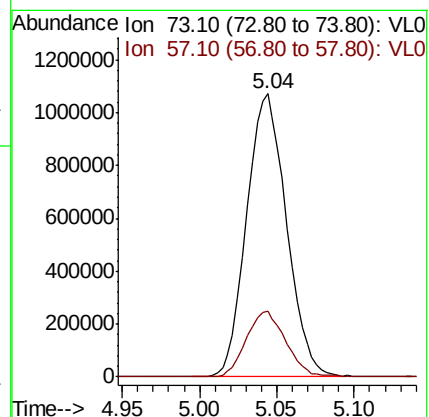
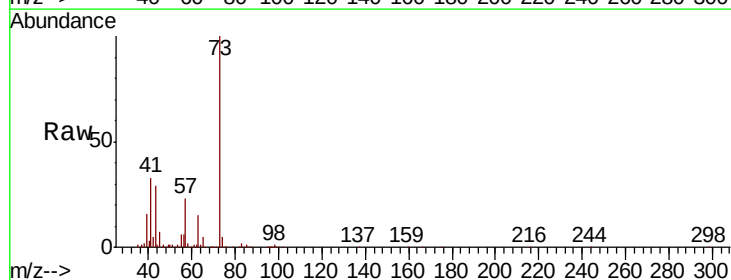
Acq: 2 Dec 2019 12:23

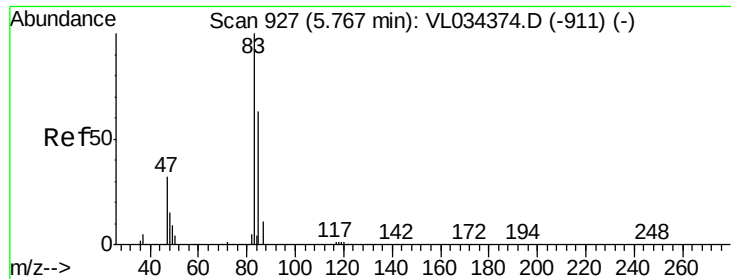
Tgt Ion: 73 Resp: 1919863

Ion Ratio Lower Upper

73 100

57 23.1 18.4 27.6





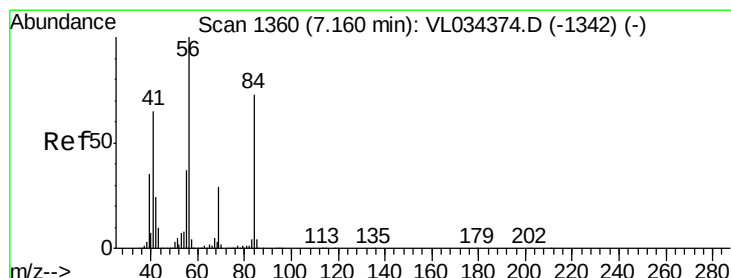
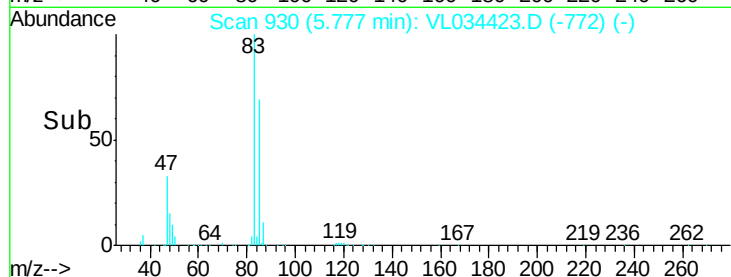
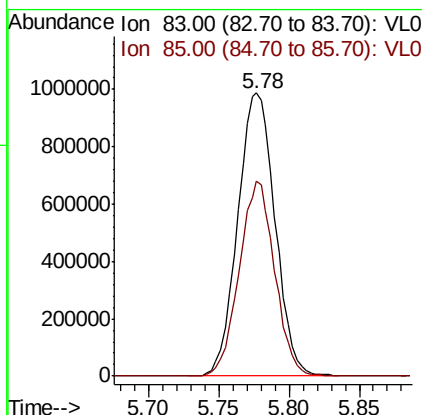
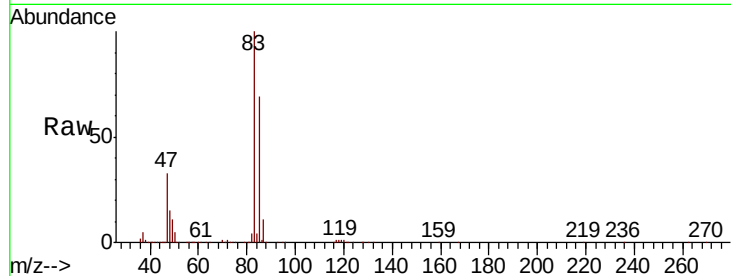
#29
Chloroform
Concen: 10.373 ppbv
RT: 5.78 min Scan# 930
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Instrument :
MSVOA_L
ClientSampleId :
VL1202ABS01

Tot Ion: 83 Resp: 1827506
Ion Ratio Lower Upper
83 100
85 69.1 50.4 75.6

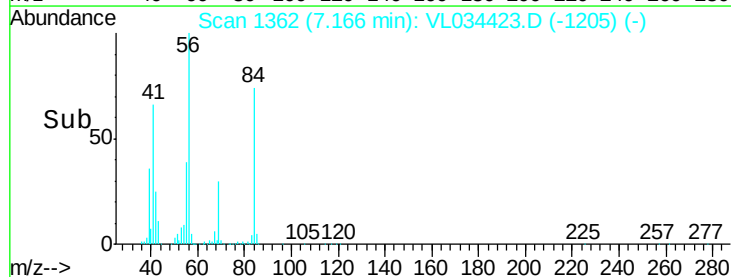
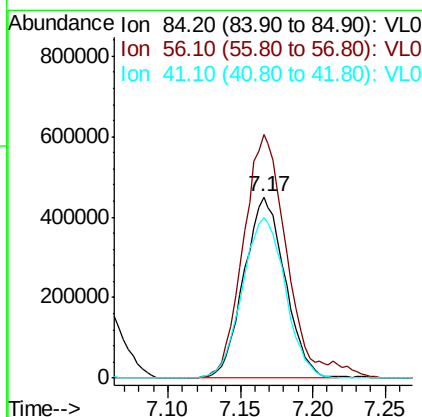
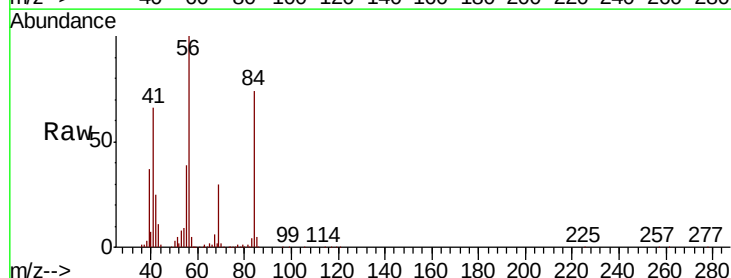
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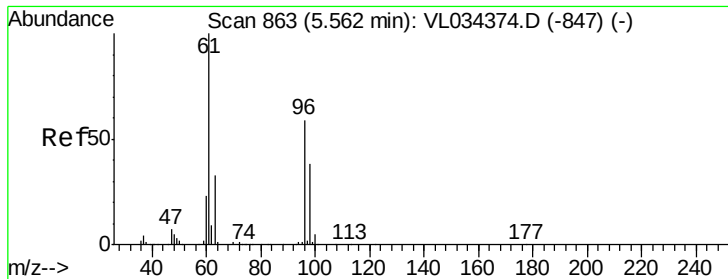
MMDadoda
12/6/2019 12:45:49 PM



#30
Cyclohexane
Concen: 10.802 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Tgt Ion: 84 Resp: 888439
Ion Ratio Lower Upper
84 100
56 143.3 112.6 169.0
41 92.8 73.4 110.2





#31

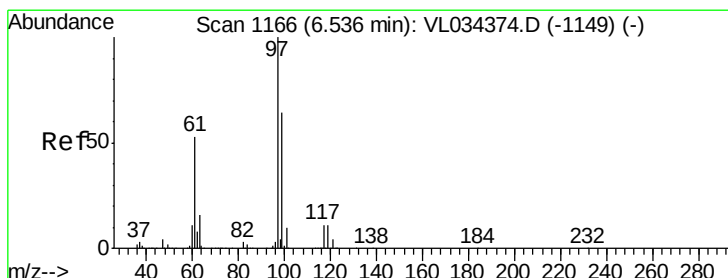
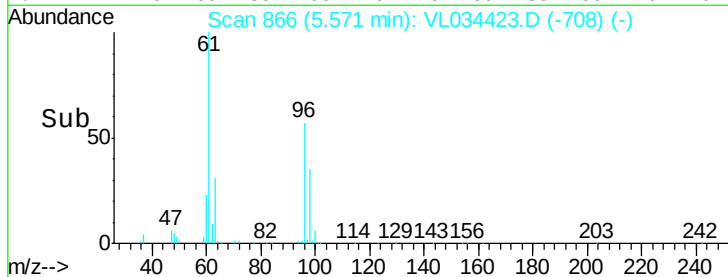
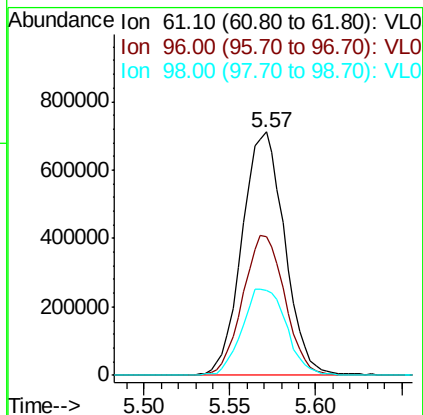
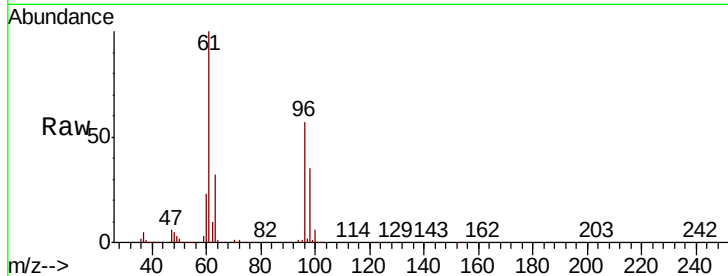
cis-1,2-Dichloroethene
 Concen: 10.842 ppbv
 RT: 5.57 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1202ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	57.0	47.4	71.2
98	35.1	30.6	45.8

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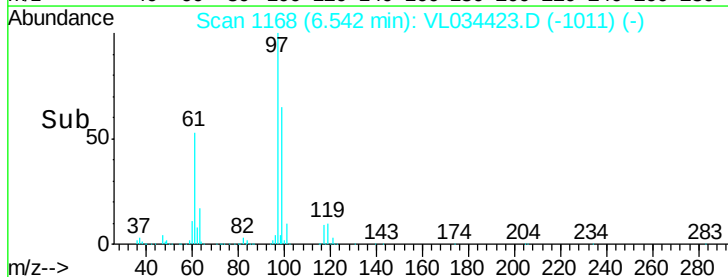
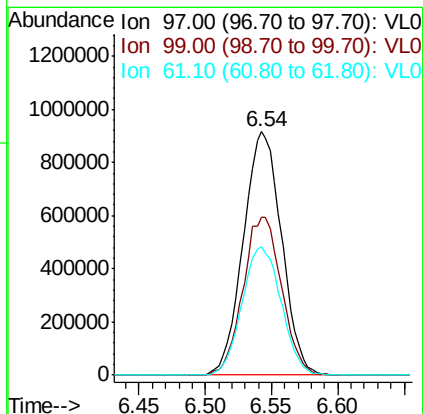
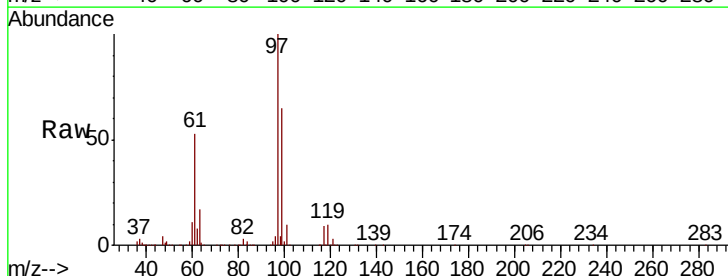
MMDadoda
 12/6/2019 12:45:49 PM

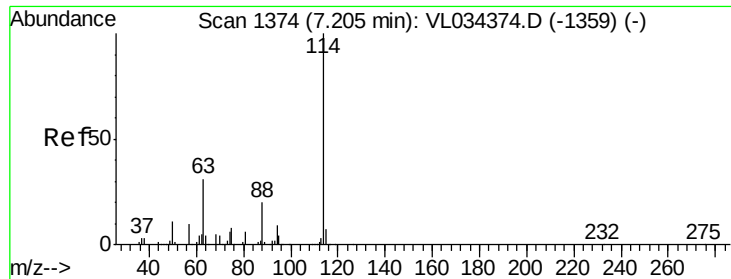


#32

1,1,1-Trichloroethane
 Concen: 11.144 ppbv
 RT: 6.54 min Scan# 1168
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.3	78.5
61	54.3	43.7	65.5





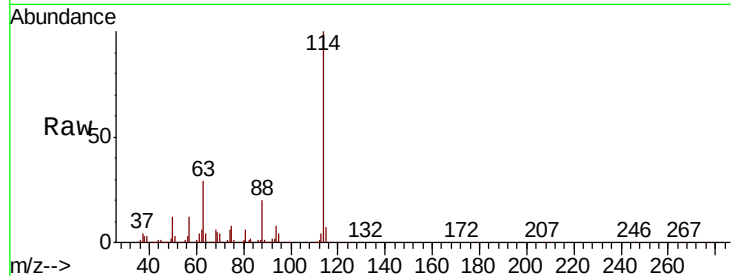
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1378
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

Instrument :
 MSVOA_L
 ClientSampled :
 VL1202ABS01

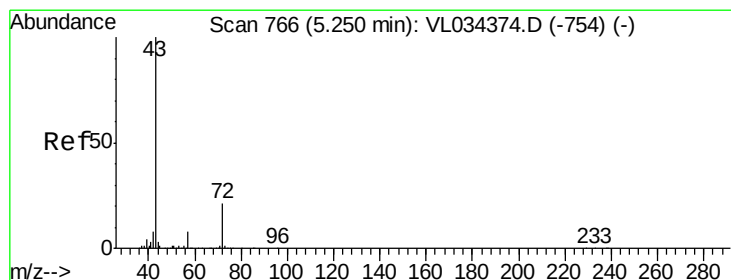
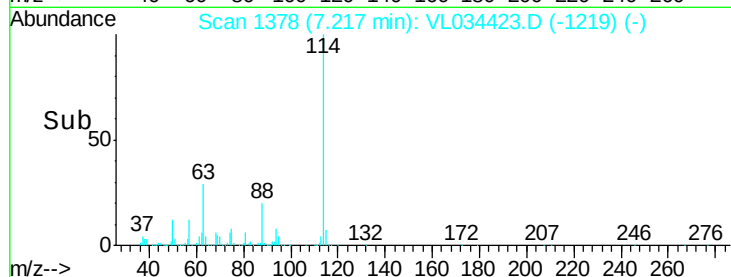
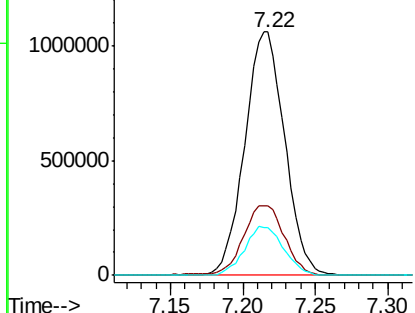
Tot Ion	Ratio	Lower	Upper
114	100		
63	30.0	24.2	36.4
88	19.8	15.9	23.9

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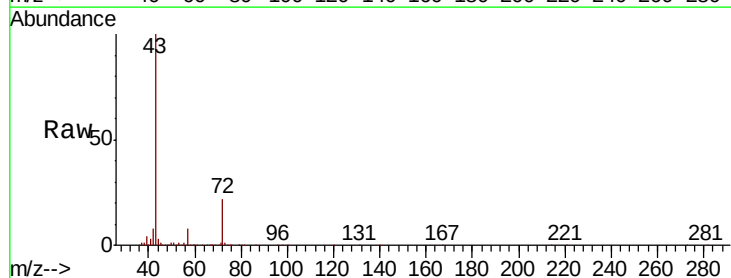


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

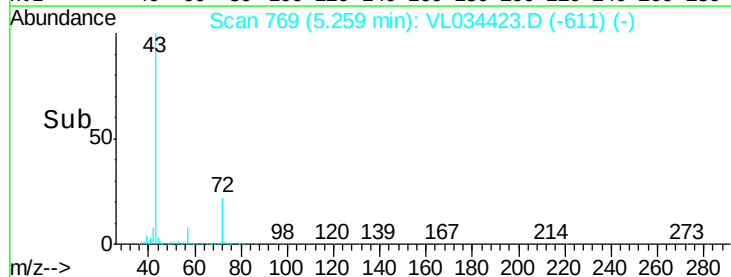
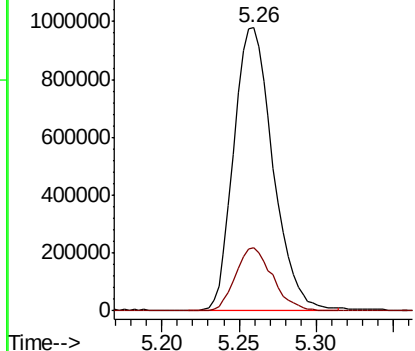


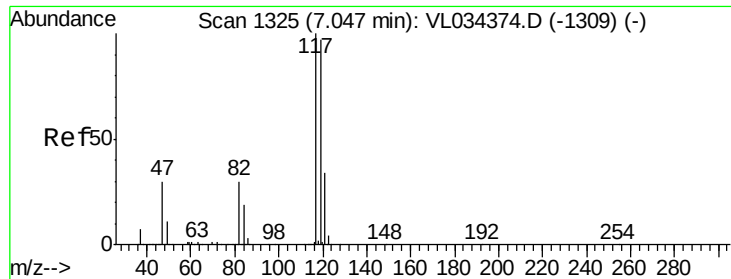
#34
 2-Butanone
 Concen: 10.254 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.3	17.0	25.6



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





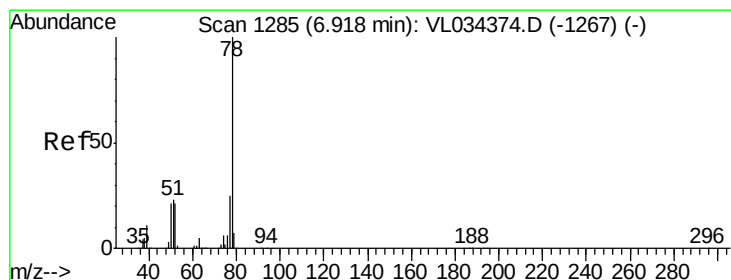
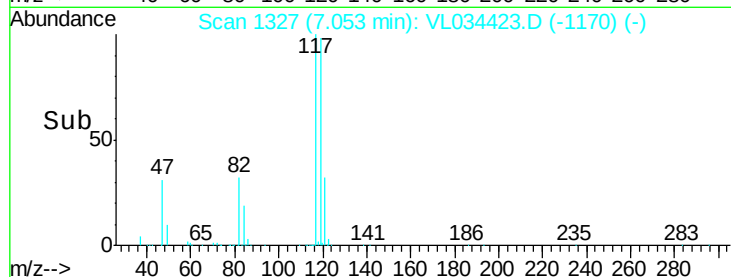
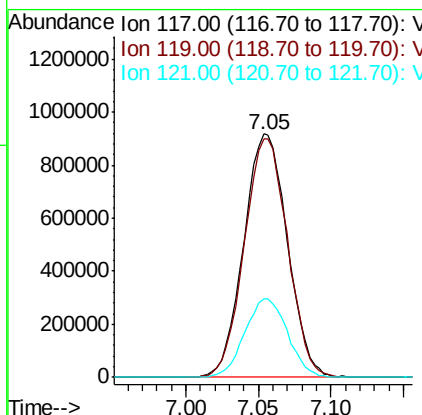
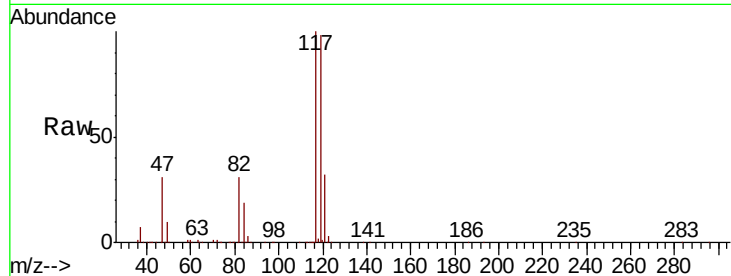
#35
Carbon Tetrachloride
Concen: 10.986 ppbv
RT: 7.05 min Scan# 1327
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Instrument :
MSVOA_L
ClientSampleId :
VL1202ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.1	77.3	115.9
121	32.2	27.4	41.2

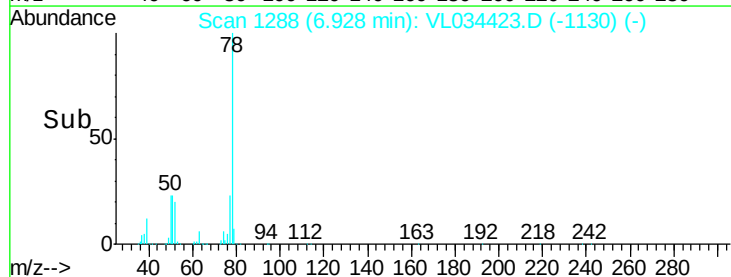
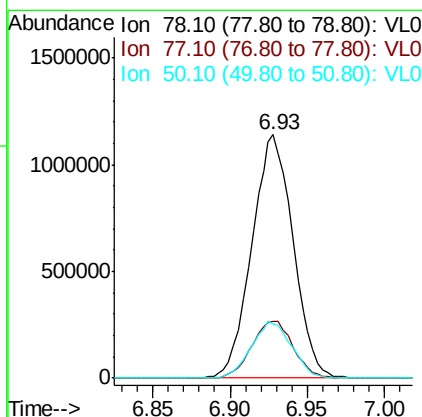
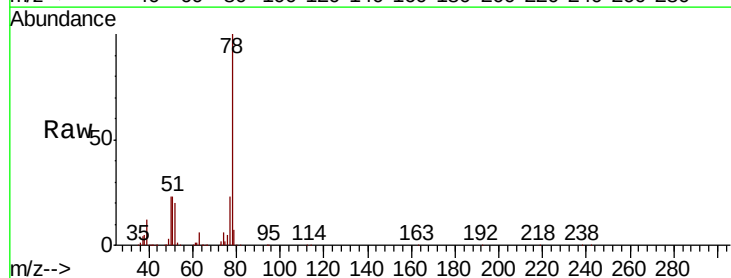
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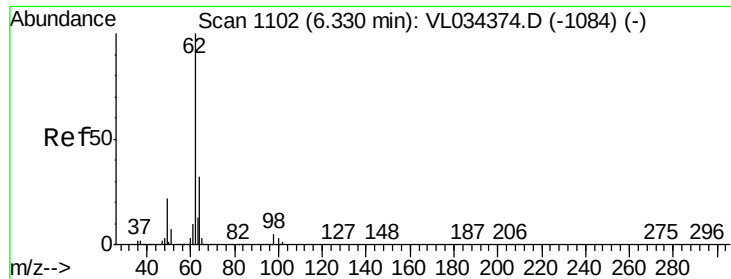
MMDadoda
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#36
Benzene
Concen: 10.371 ppbv
RT: 6.93 min Scan# 1288
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	20.2	30.4
50	22.5	17.1	25.7





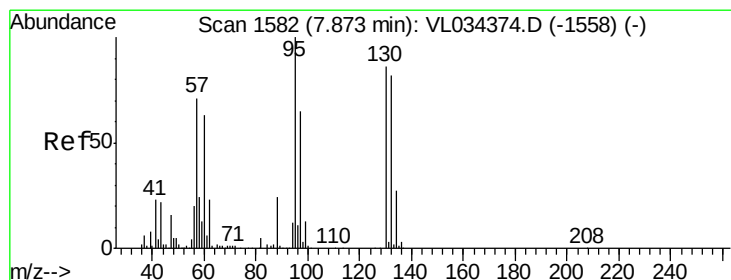
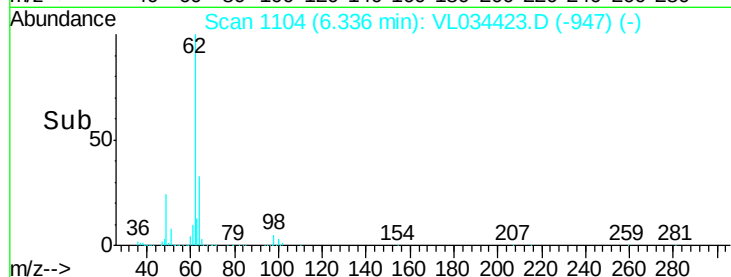
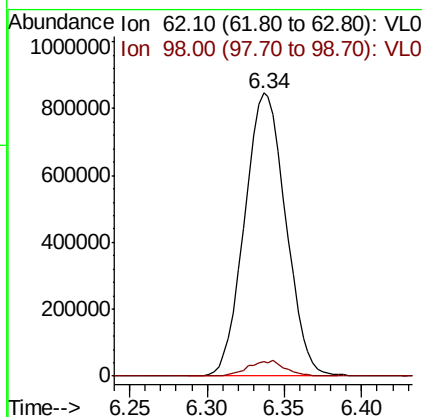
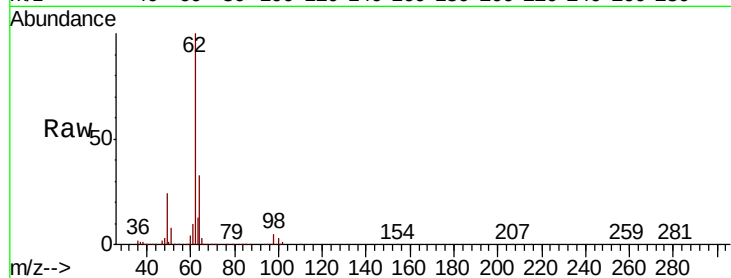
#37
1,2-Dichloroethane
Concen: 10.384 ppbv
RT: 6.34 min Scan# 1104
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Instrument :
MSVOA_L
ClientSampleId :
VL1202ABS01

Tot Ion: 62 Resp: 1570131
Ion Ratio Lower Upper
62 100
98 5.1 3.8 5.8

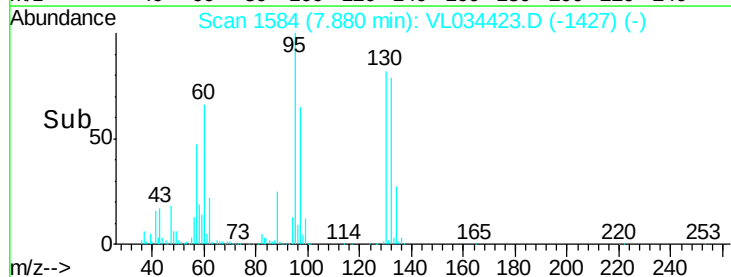
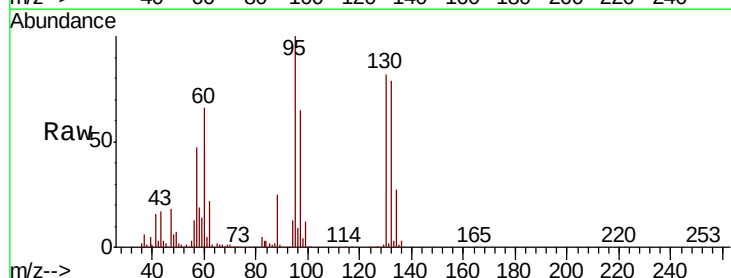
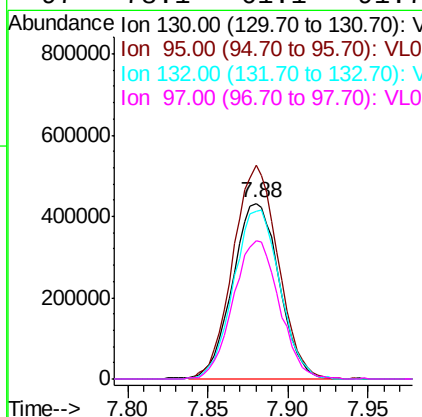
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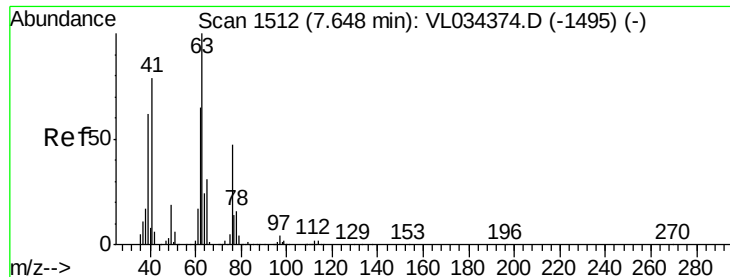
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#38
Trichloroethene
Concen: 10.198 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Tgt Ion: 130 Resp: 851834
Ion Ratio Lower Upper
130 100
95 121.3 93.4 140.0
132 95.7 76.4 114.6
97 78.1 61.1 91.7





#39

1,2-Dichloropropane

Concen: 11.288 ppbv

RT: 7.66 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

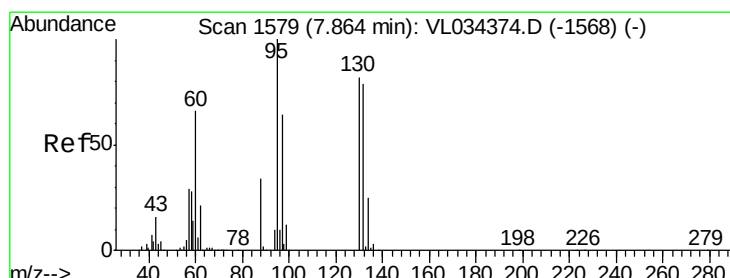
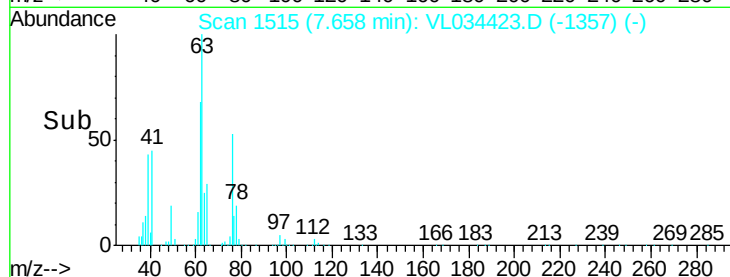
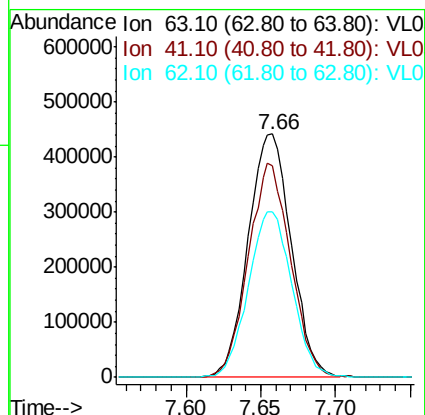
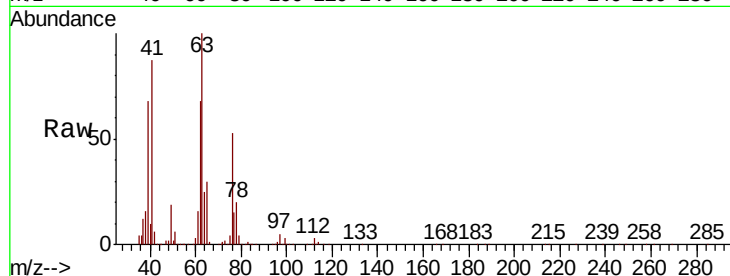
ClientSampleId :

VL1202ABS01

Tot Ion:	63	Resp:	885193
Ion Ratio	Lower	Upper	
63	100		
41	87.0	63.1	94.7
62	67.7	52.3	78.5

Manual Integrations
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#40

1,4-Dioxane

Concen: 9.051 ppbv

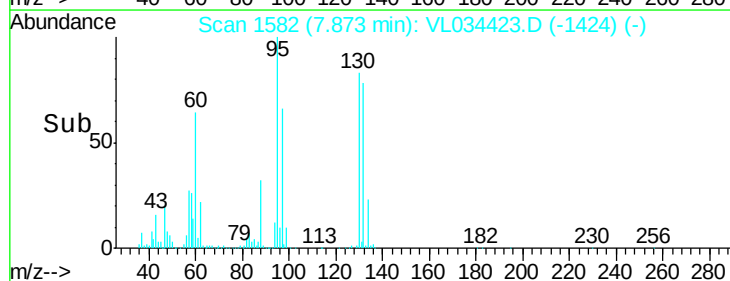
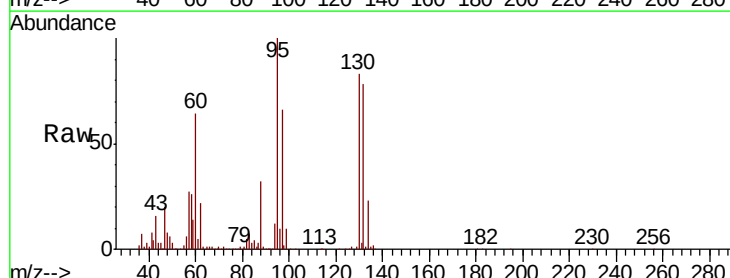
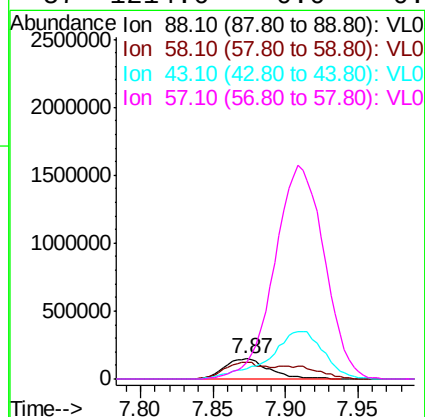
RT: 7.87 min Scan# 1582

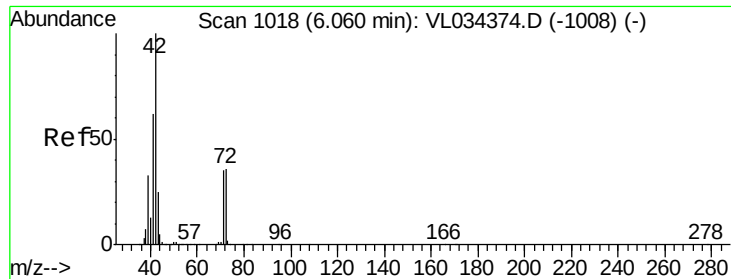
Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Tgt Ion:	88	Resp:	310042
Ion Ratio	Lower	Upper	
88	100		
58	140.4	109.5	164.3
43	299.6	0.0	0.0#
57	1214.6	0.0	0.0#





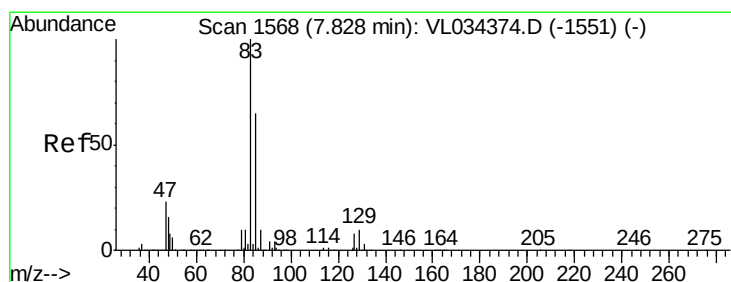
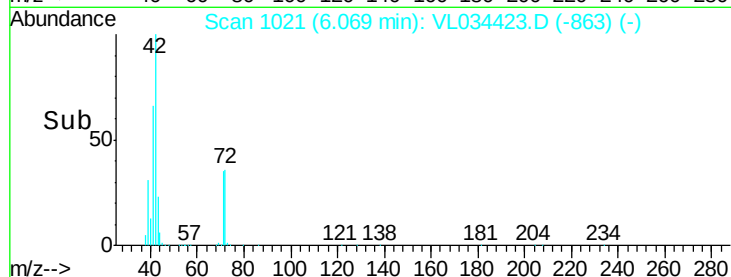
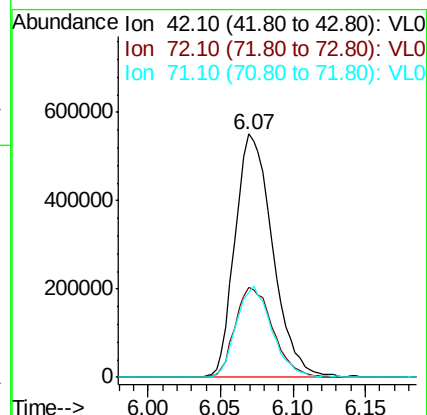
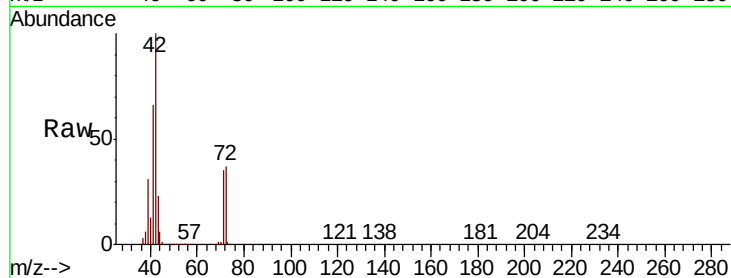
#41
Tetrahydrofuran
Concen: 10.595 ppbv
RT: 6.07 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Instrument :
MSVOA_L
ClientSampleId :
VL1202ABS01

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	37.3		30.2	45.4
71	35.8		29.4	44.2

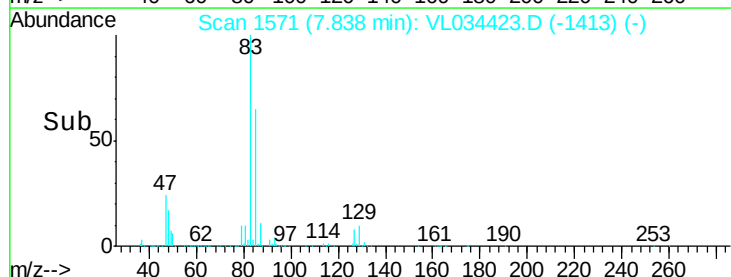
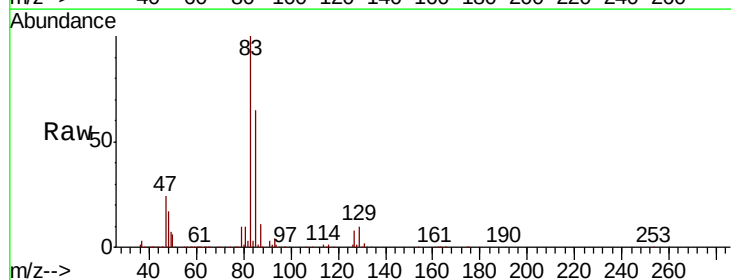
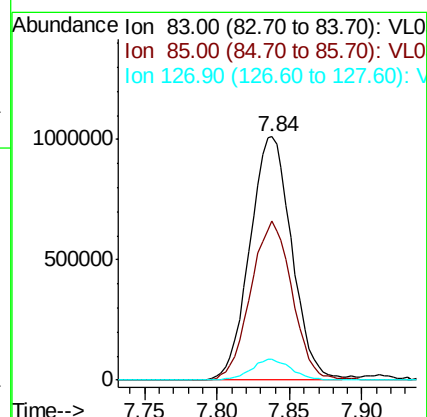
Manual Integrations
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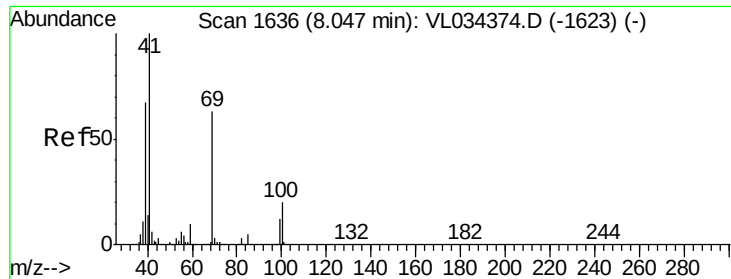
MMDadoda
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#42
Bromodichloromethane
Concen: 10.754 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.3		52.3	78.5
127	8.4		6.1	9.1





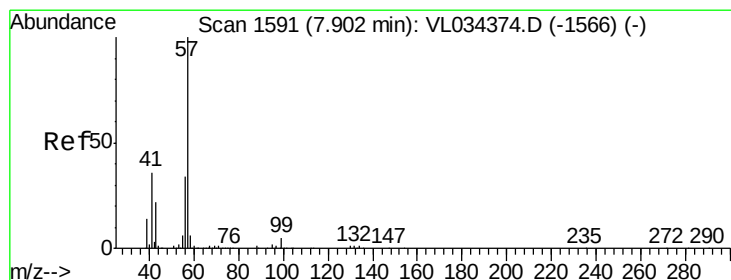
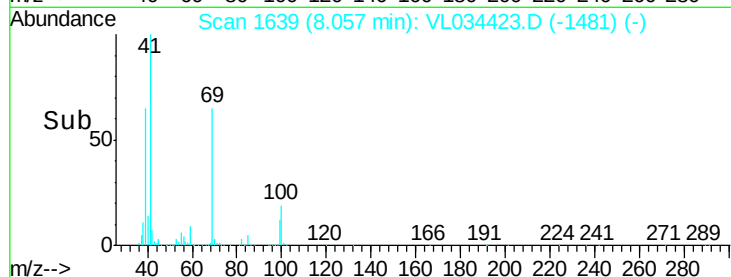
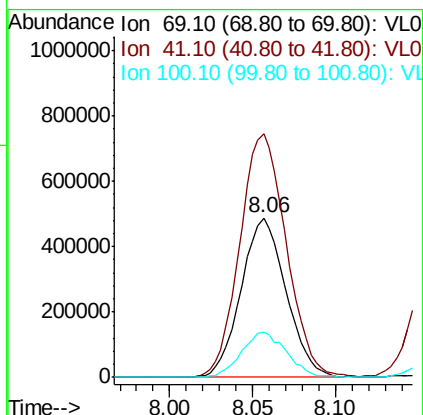
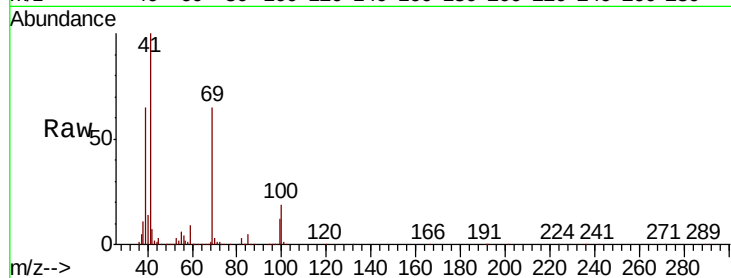
#43
Methyl Methacrylate
Concen: 10.882 ppbv
RT: 8.06 min Scan# 1639
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Instrument :
MSVOA_L
ClientSampleId :
VL1202ABS01

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	158.0	127.4	191.2	
100	28.5	24.2	36.4	

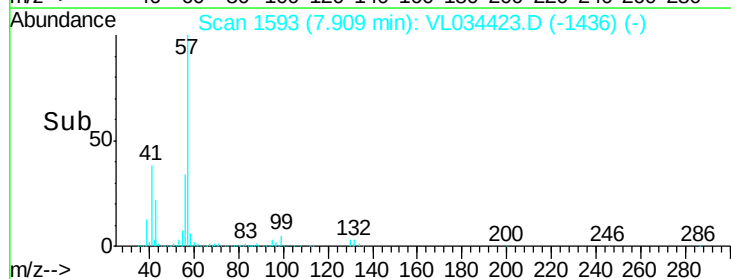
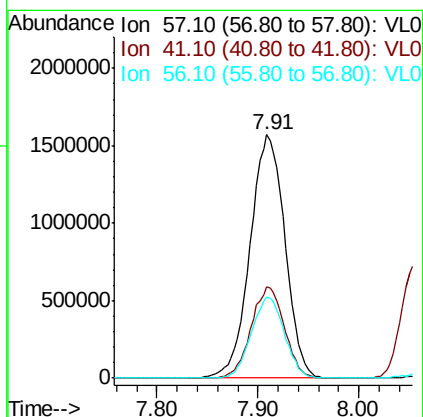
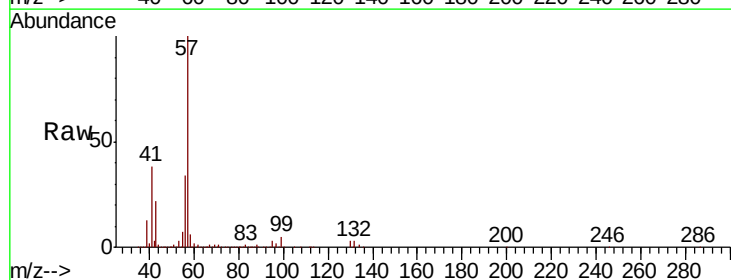
Manual Integrations
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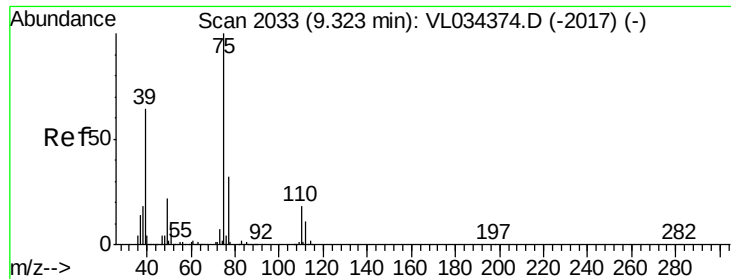
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#44
2,2,4-Trimethylpentane
Concen: 10.110 ppbv
RT: 7.91 min Scan# 1593
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	35.8	28.6	42.8	
56	31.5	25.3	37.9	





#45

t-1,3-Dichloropropene

Concen: 11.682 ppbv

RT: 9.33 min Scan# 2035

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Tot Ion: 75 Resp: 1264794

Ion Ratio Lower Upper

75 100

77 33.6 25.4 38.2

Instrument :

MSVOA_L

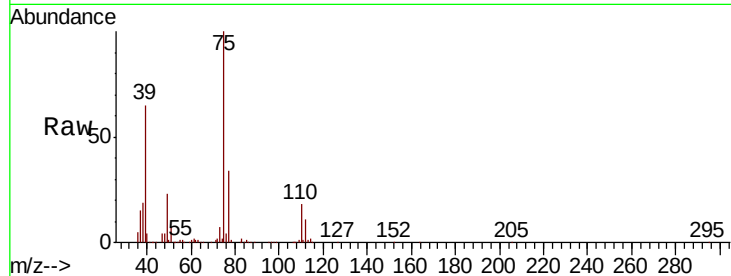
ClientSampleId :

VL1202ABS01

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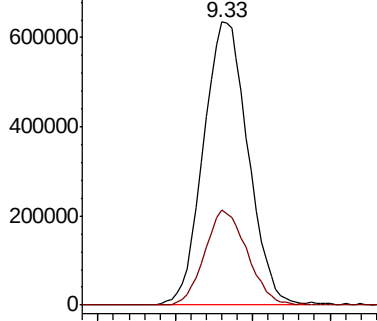
MMDadoda

12/6/2019 12:45:49 PM

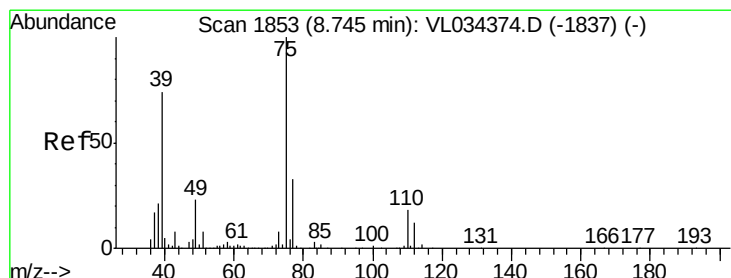
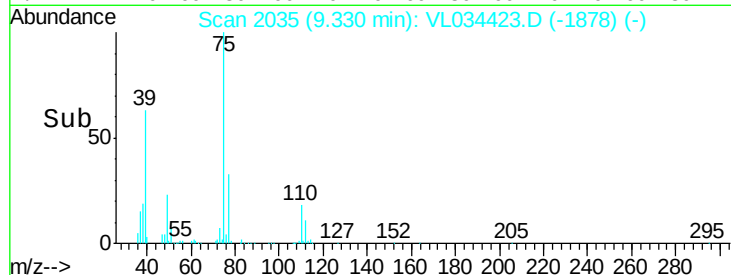


Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.630 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

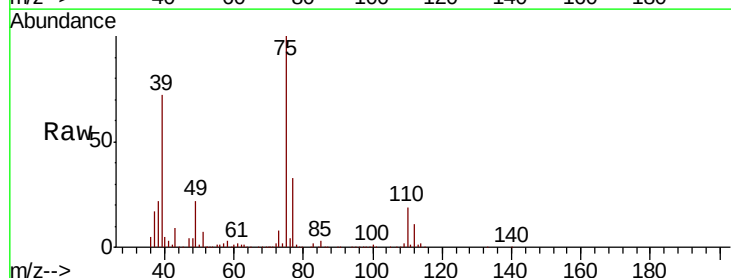
Tgt Ion: 75 Resp: 1414377

Ion Ratio Lower Upper

75 100

39 72.2 59.0 88.6

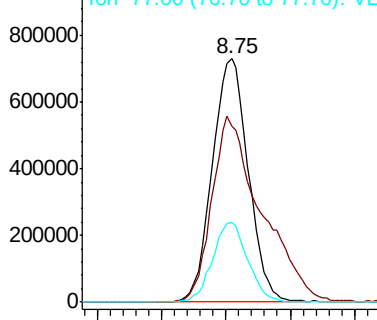
77 33.0 26.4 39.6



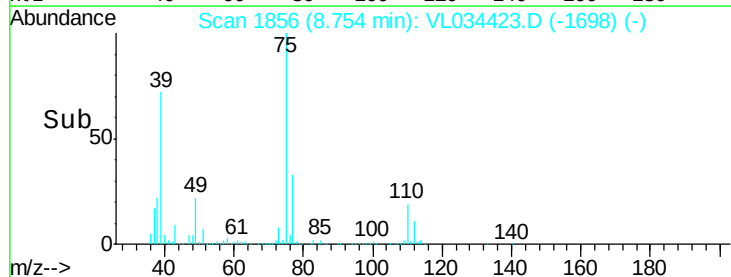
Abundance Ion 75.00 (74.70 to 75.70): VL0

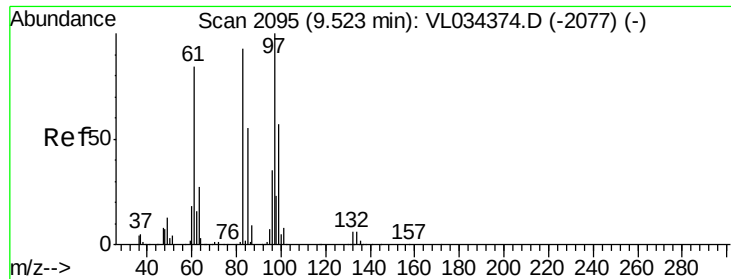
Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



Time-->





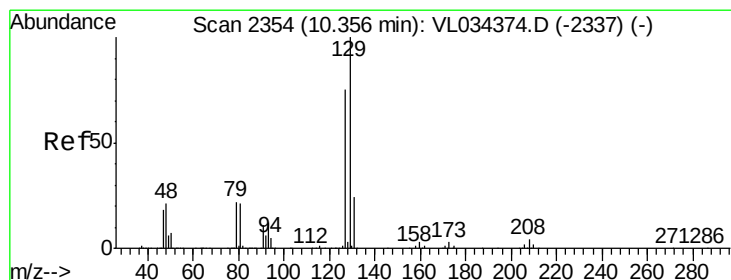
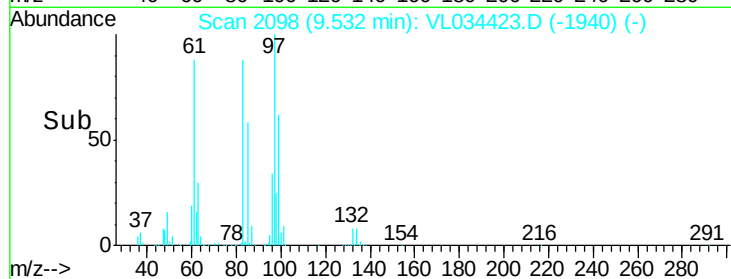
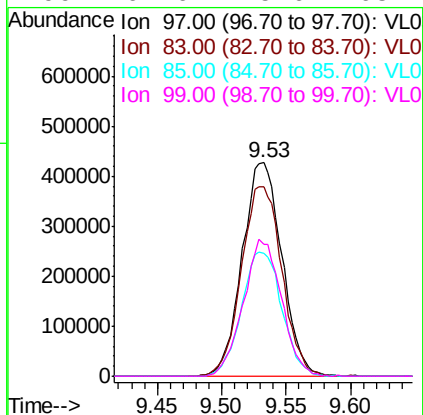
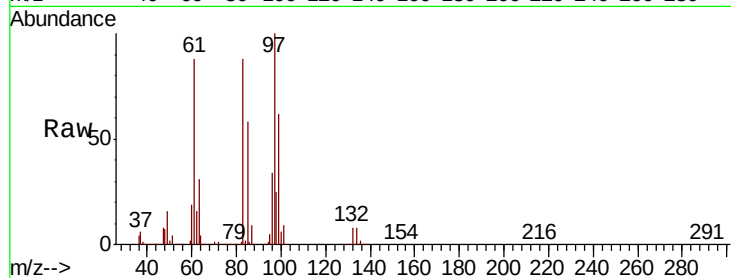
#47
 1,1,2-Trichloroethane
 Concen: 10.488 ppbv
 RT: 9.53 min Scan# 2098
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1202ABS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		914889		
83	88.4	74.6	112.0		
85	57.7	43.8	65.8		
99	61.6	45.6	68.4		

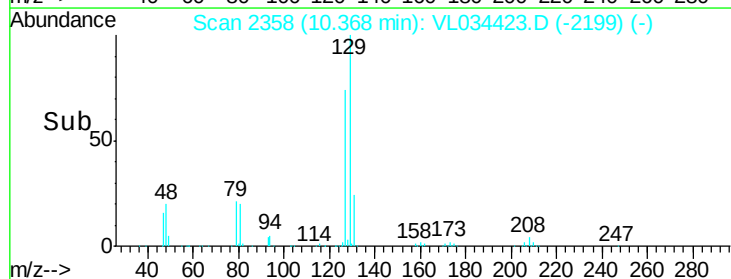
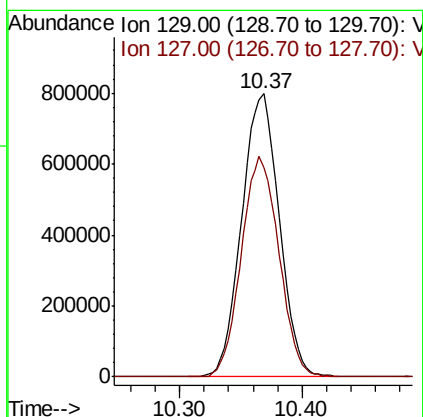
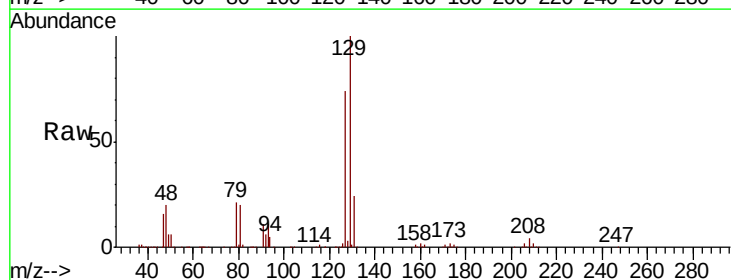
Manual Integrations
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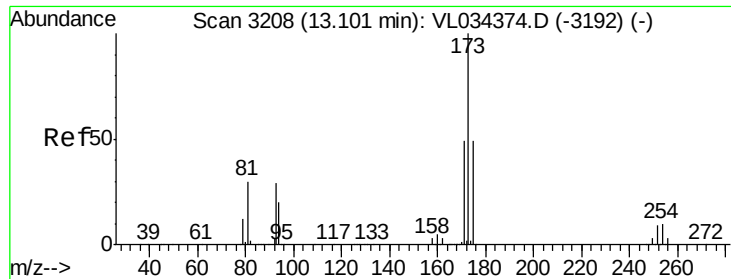
MMDadoda
 12/6/2019 12:45:49 PM



#48
 Dibromochloromethane
 Concen: 11.358 ppbv
 RT: 10.37 min Scan# 2358
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1701114		
127	77.8	39.1	117.5		





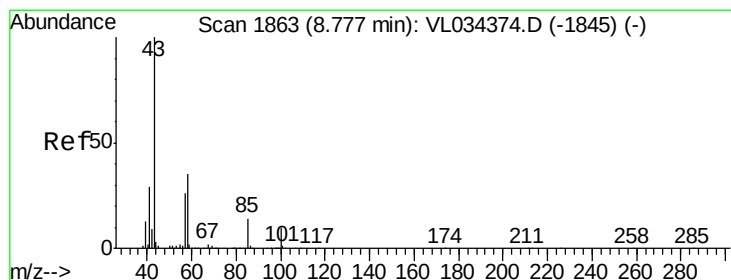
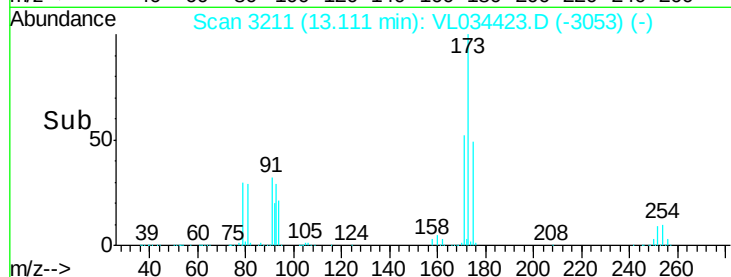
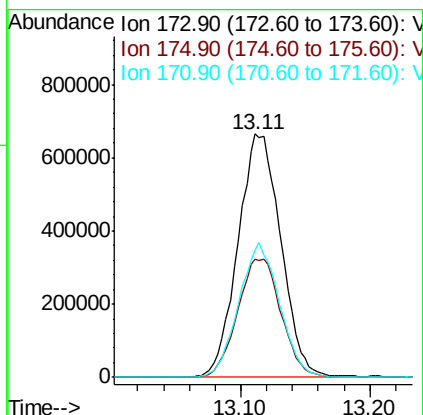
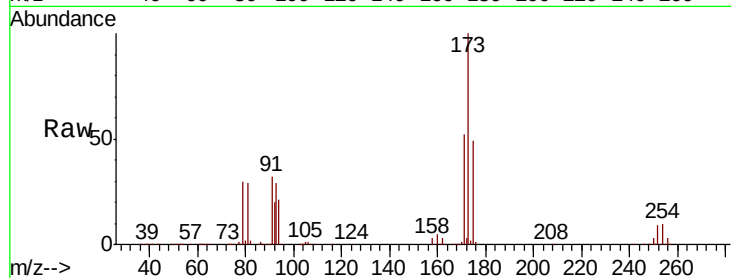
#49
Bromoform
Concen: 11.467 ppbv
RT: 13.11 min Scan# 3211
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Instrument :
MSVOA_L
ClientSampleId :
VL1202ABS01

Tot Ion:173 Resp: 1533127
Ion Ratio Lower Upper
173 100
175 49.8 39.3 58.9
171 52.7 42.4 63.6

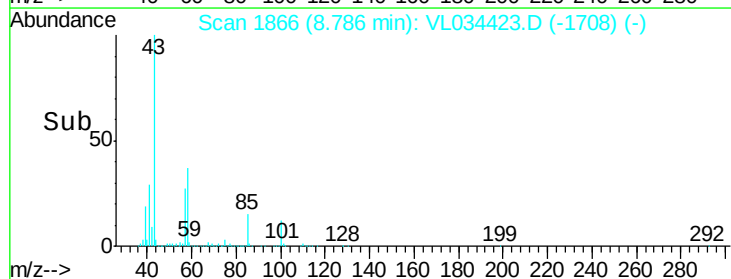
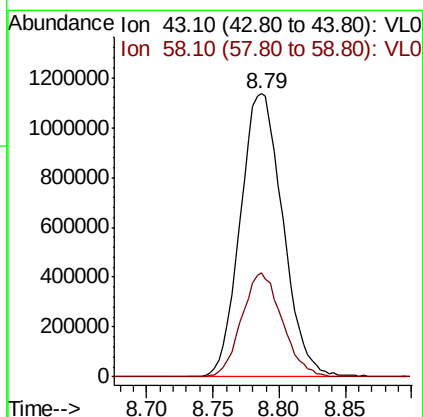
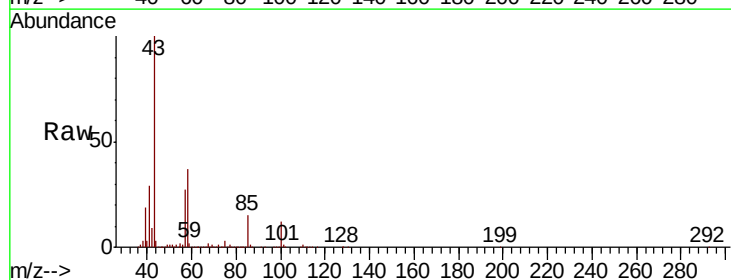
Manual Integrations
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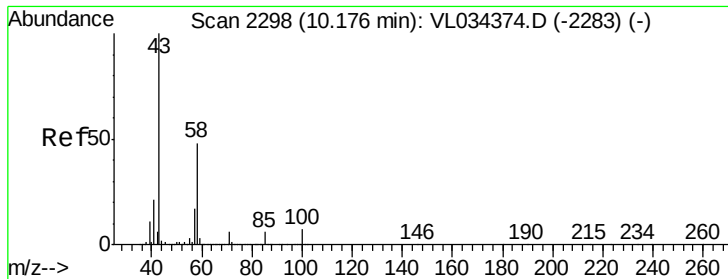
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 10.454 ppbv
RT: 8.79 min Scan# 1866
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Tgt Ion: 43 Resp: 2534990
Ion Ratio Lower Upper
43 100
58 35.1 27.9 41.9





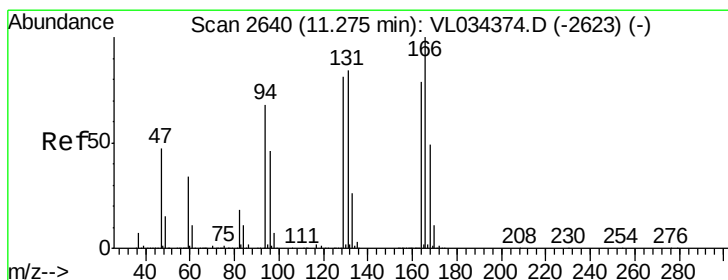
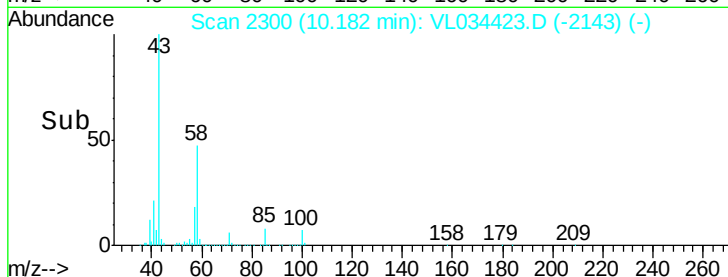
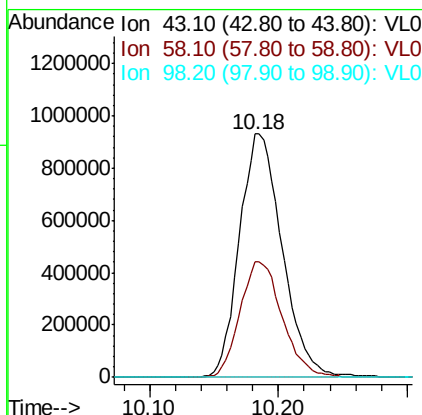
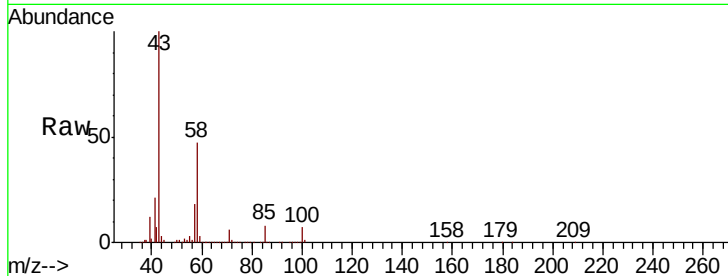
#51
2-Hexanone
Concen: 10.517 ppbv
RT: 10.18 min Scan# 2300
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Instrument :
MSVOA_L
ClientSampleId :
VL1202ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.4	38.2	57.4
98	0.2	0.2	0.2

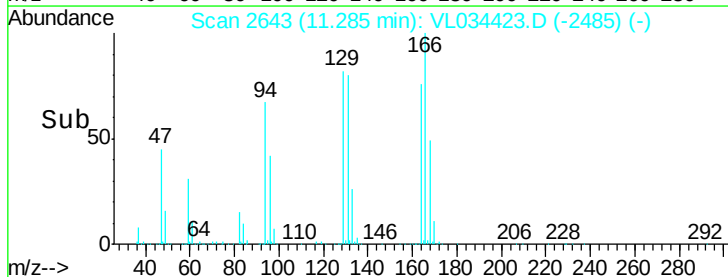
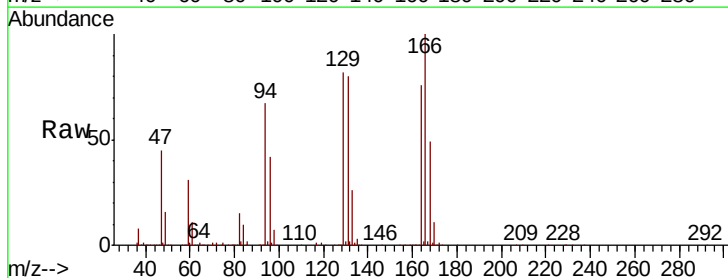
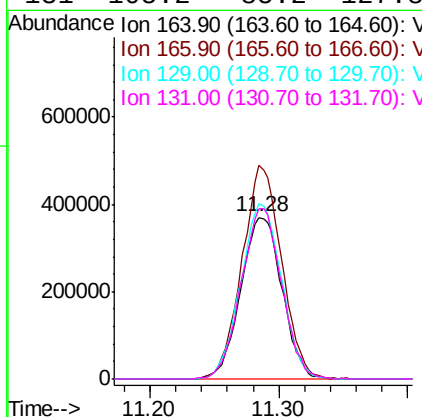
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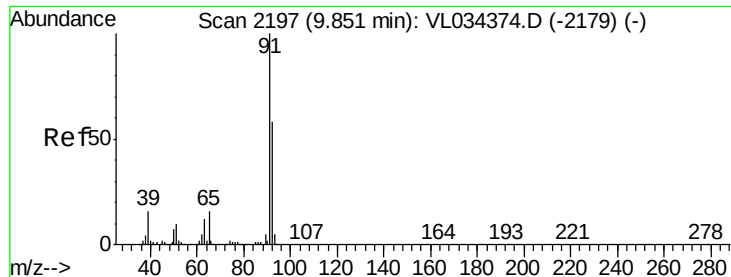
MMDadoda
12/6/2019 12:45:49 PM



#52
Tetrachloroethene
Concen: 9.346 ppbv
RT: 11.28 min Scan# 2643
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.0	101.7	152.5
129	108.3	82.6	123.8
131	105.2	85.2	127.8





#53

Toluene

Concen: 10.633 ppbv

RT: 9.86 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

VL1202ABS01

Tot Ion: 91 Resp: 2458330

Ion Ratio Lower Upper

91 100

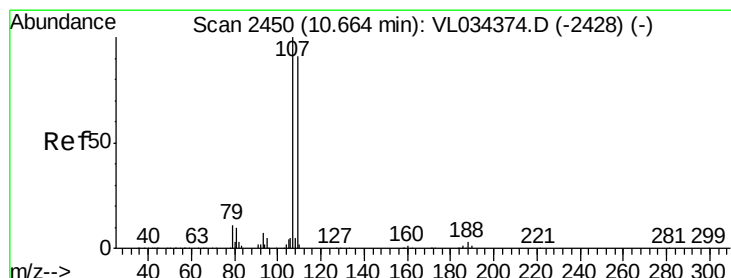
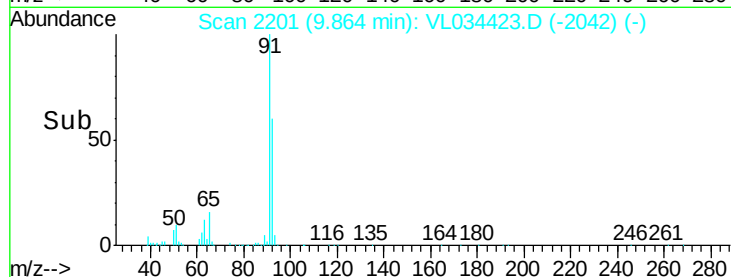
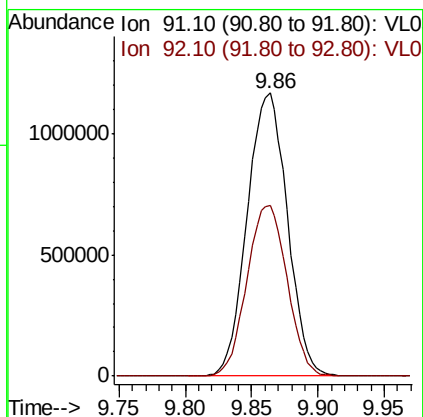
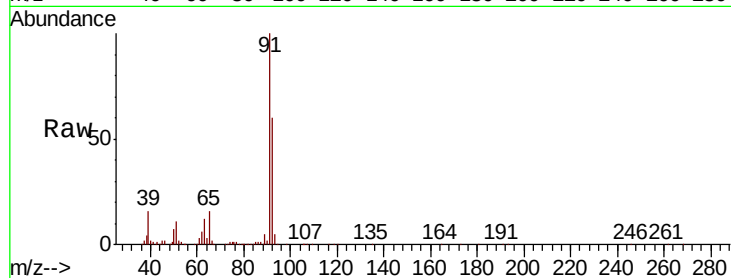
92 60.7 47.9 71.9

Manual Integrations

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MMDadoda

12/6/2019 12:45:49 PM



#54

1,2-Dibromoethane

Concen: 10.395 ppbv

RT: 10.67 min Scan# 2453

Delta R.T. 0.01 min

Lab File: VL034423.D

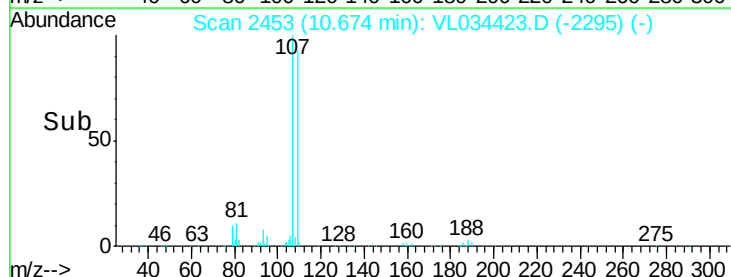
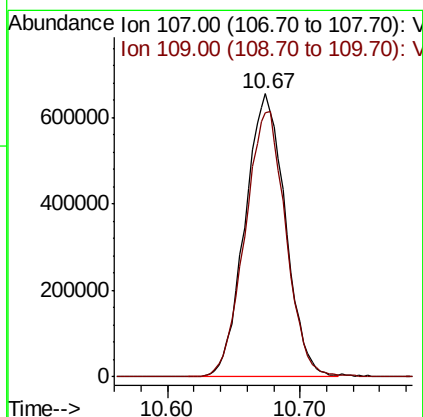
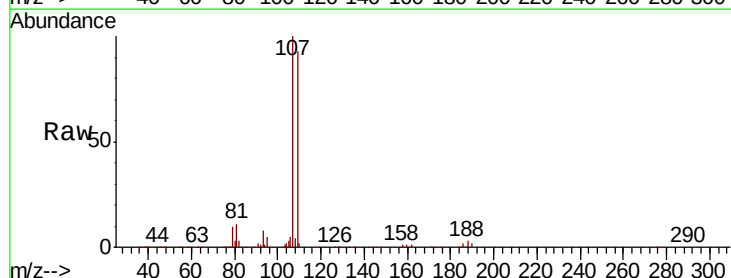
Acq: 2 Dec 2019 12:23

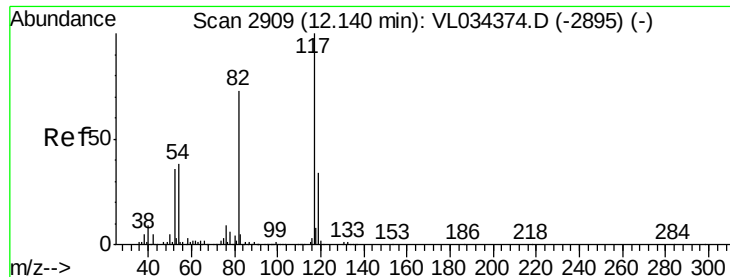
Tgt Ion: 107 Resp: 1390164

Ion Ratio Lower Upper

107 100

109 93.1 73.0 109.4





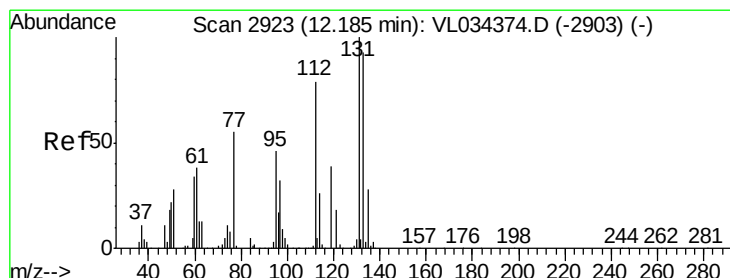
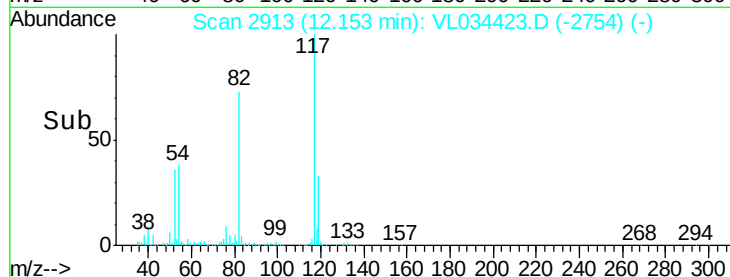
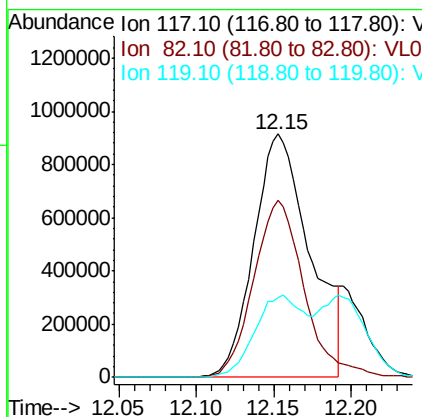
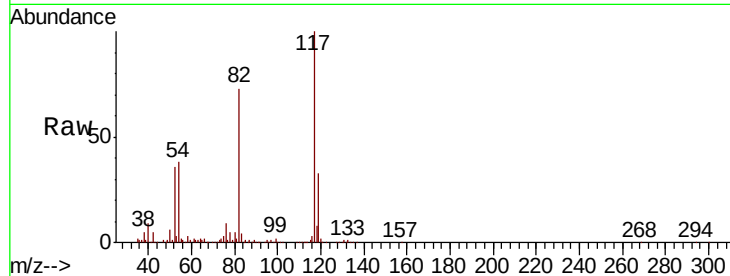
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Instrument :
MSVOA_L
ClientSampleId :
VL1202ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.8	57.5	86.3
119	28.9	25.4	38.2

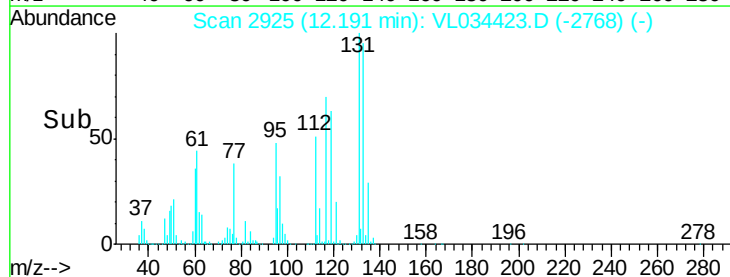
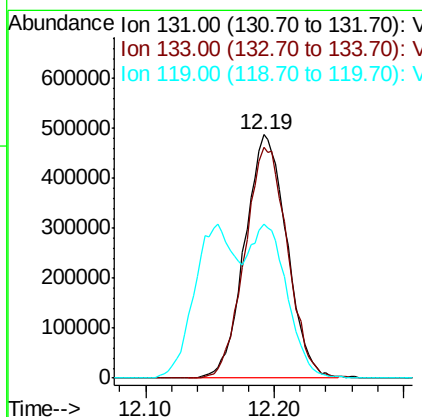
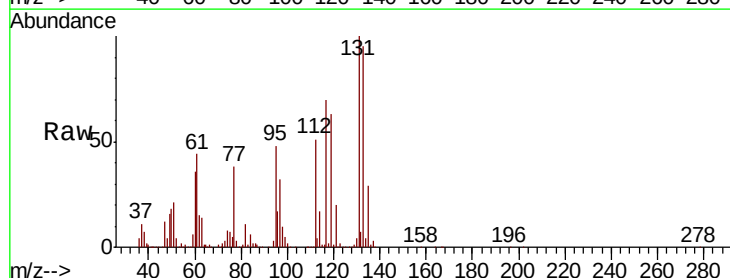
Manual Integrations
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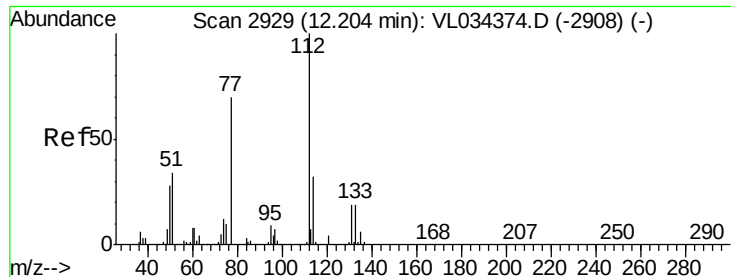
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.763 ppbv
RT: 12.19 min Scan# 2925
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.8	76.2	114.2
119	65.4	44.6	67.0





#57

Chlorobenzene

Concen: 9.131 ppbv

RT: 12.21 min Scan# 2931

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

VL1202ABS01

Tot Ion:112 Resp: 1905850

Ion Ratio Lower Upper

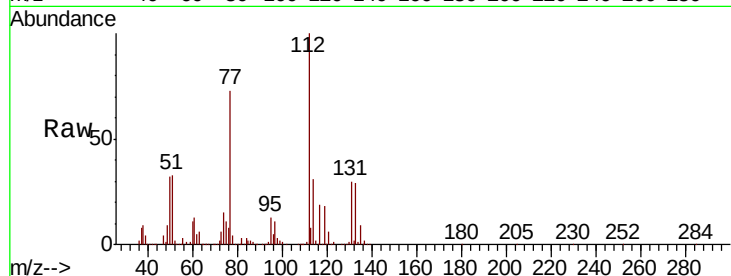
112 100

77 72.3 57.1 85.7

114 30.8 28.5 34.9

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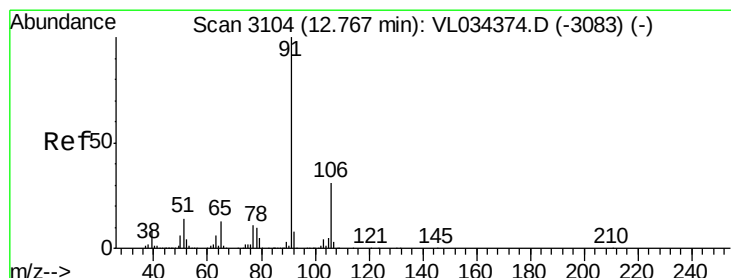
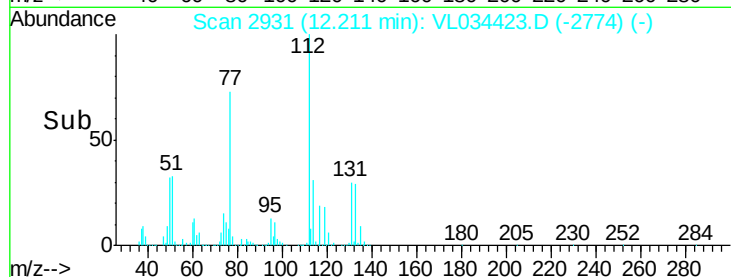
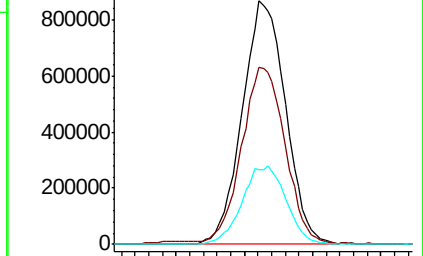
MMDadoda
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.406 ppbv

RT: 12.78 min Scan# 3108

Delta R.T. 0.01 min

Lab File: VL034423.D

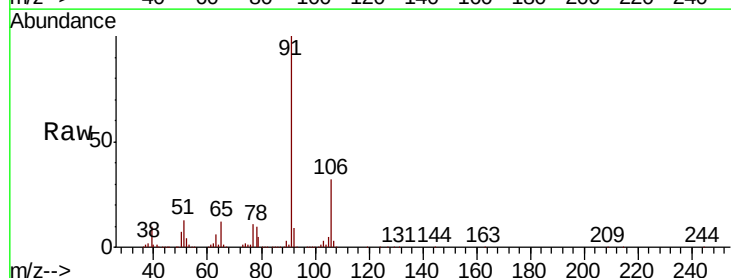
Acq: 2 Dec 2019 12:23

Tgt Ion: 91 Resp: 3370387

Ion Ratio Lower Upper

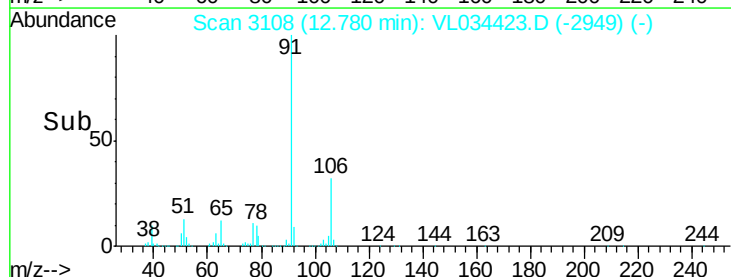
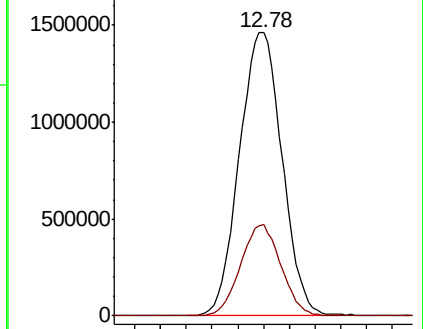
91 100

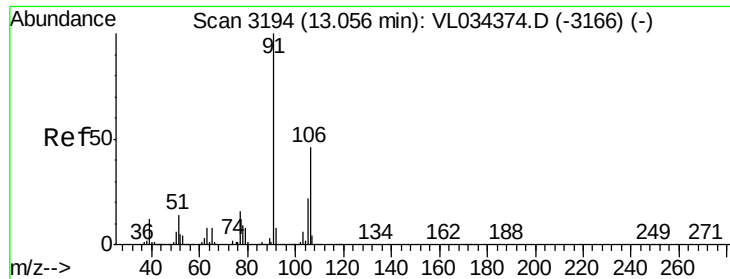
106 32.3 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





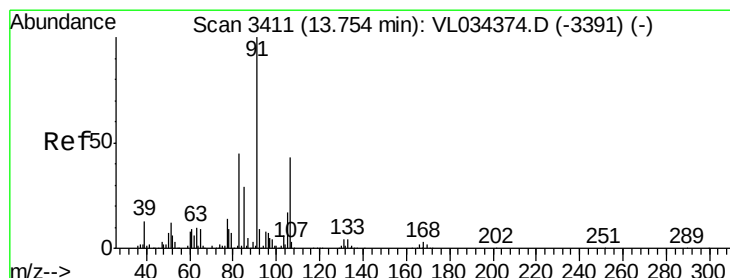
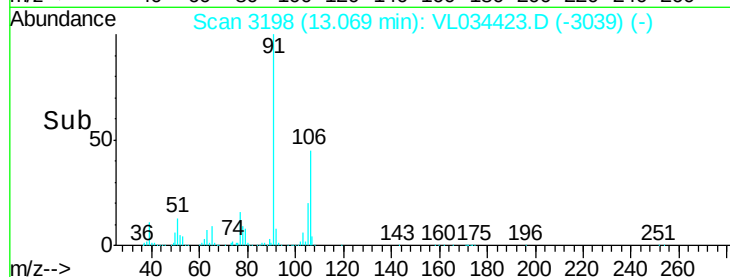
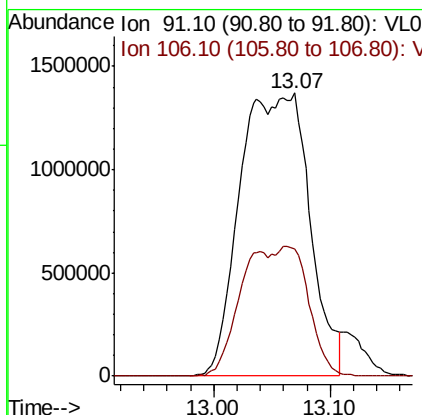
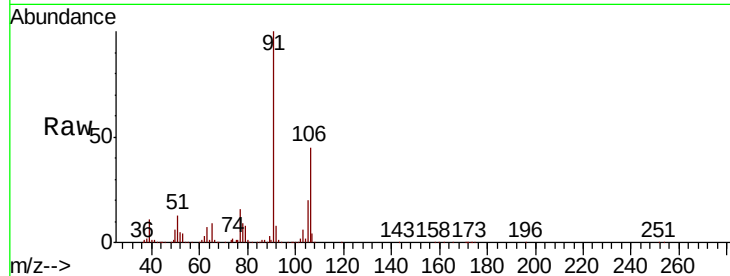
#59
m/p-Xylene
Concen: 18.304 ppbv m
RT: 13.07 min Scan# 3198
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Instrument :
MSVOA_L
ClientSampleId :
VL1202ABS01

Tot Ion: 91 Resp: 5669783
Ion Ratio Lower Upper
91 100
106 0.0 34.6 51.8#

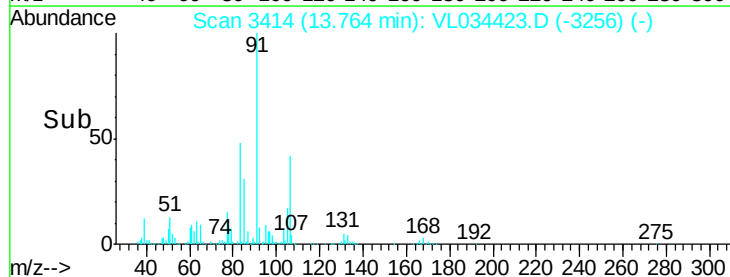
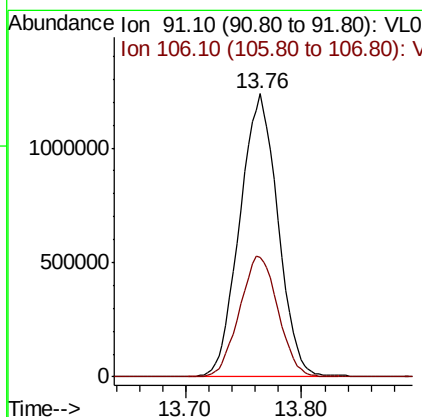
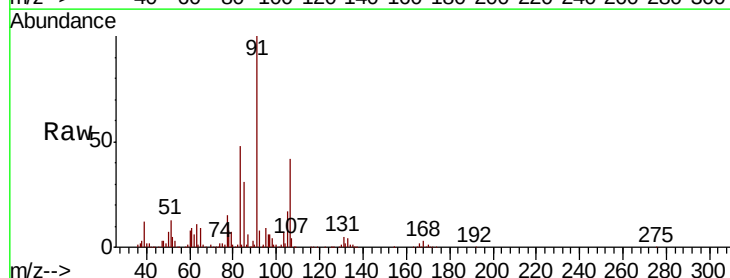
Manual Integrations
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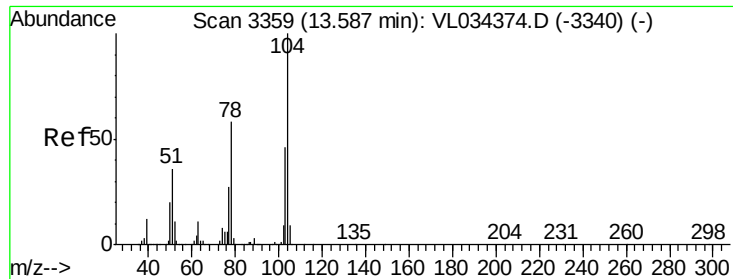
MMDadoda
12/6/2019 12:45:49 PM



#60
o-Xylene
Concen: 9.234 ppbv
RT: 13.76 min Scan# 3414
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Tgt Ion: 91 Resp: 2827903
Ion Ratio Lower Upper
91 100
106 43.1 21.3 64.0





#61

Stvrene

Concen: 9.627 ppbv

RT: 13.60 min Scan# 3363

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

VL1202ABS01

Tot Ion:104 Resp: 2126109

Ion Ratio Lower Upper

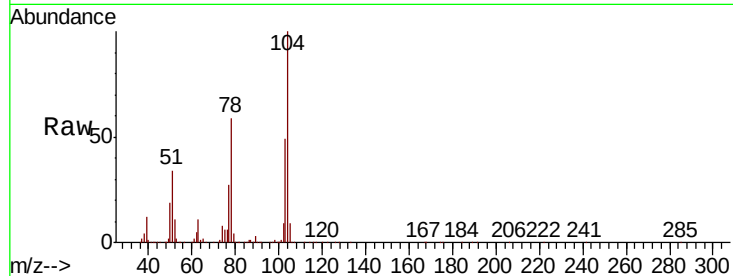
104 100

78 59.8 47.6 71.4

103 47.9 38.6 57.8

Manual Integrations
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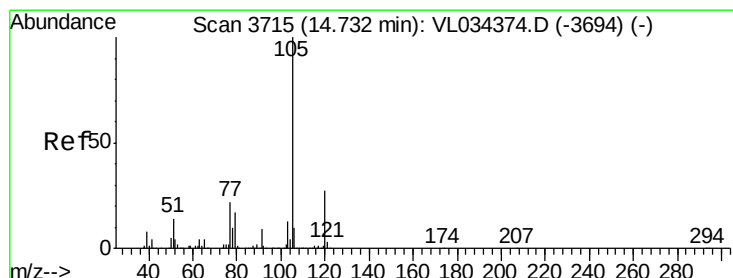
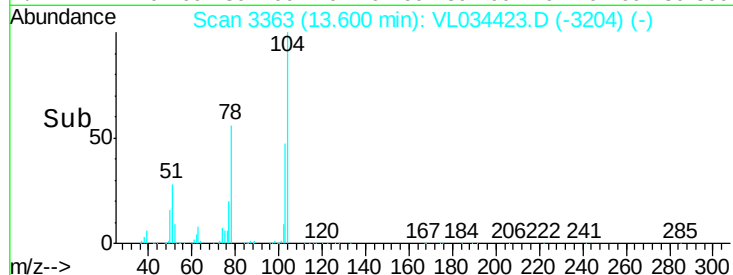
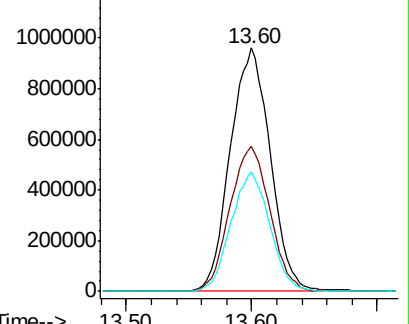
MMDadoda
12/6/2019 12:45:49 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.134 ppbv

RT: 14.74 min Scan# 3718

Delta R.T. 0.01 min

Lab File: VL034423.D

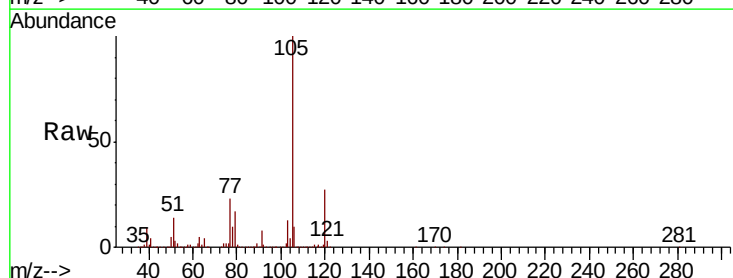
Acq: 2 Dec 2019 12:23

Tgt Ion:105 Resp: 3699617

Ion Ratio Lower Upper

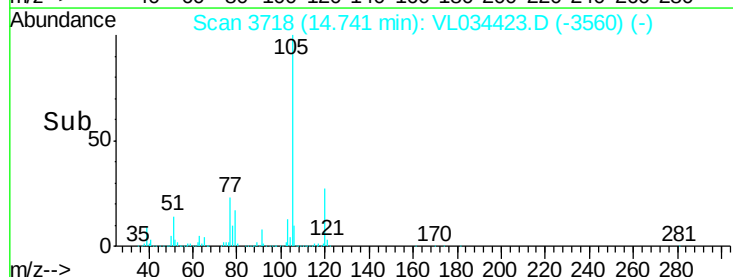
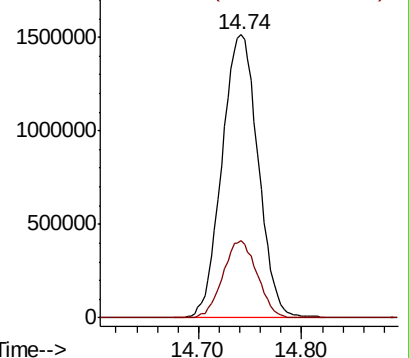
105 100

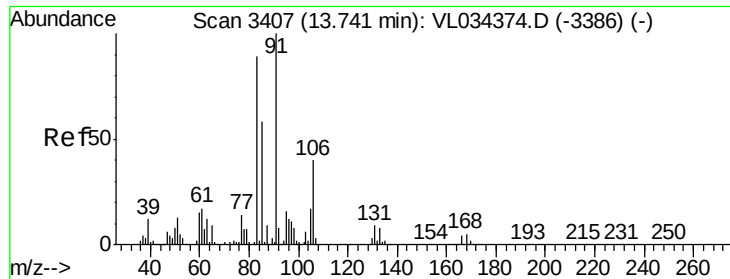
120 25.9 20.2 30.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





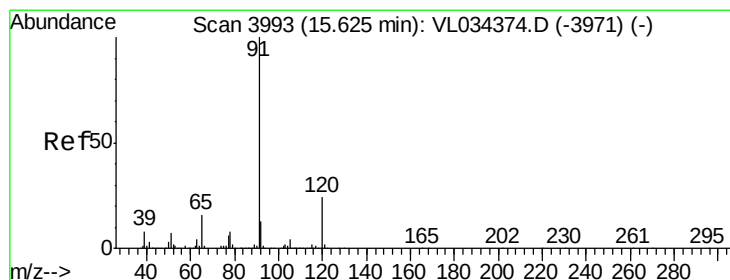
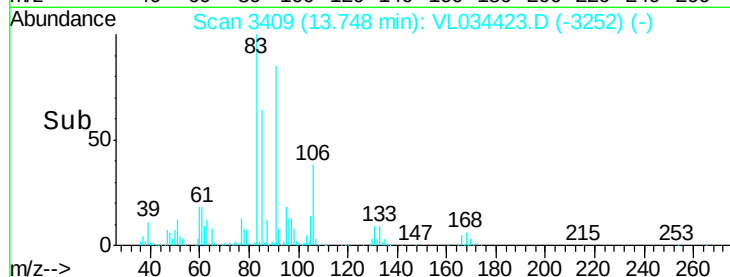
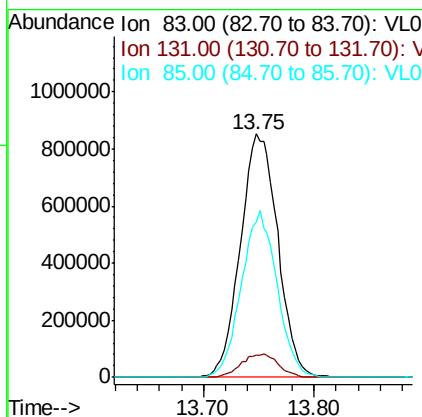
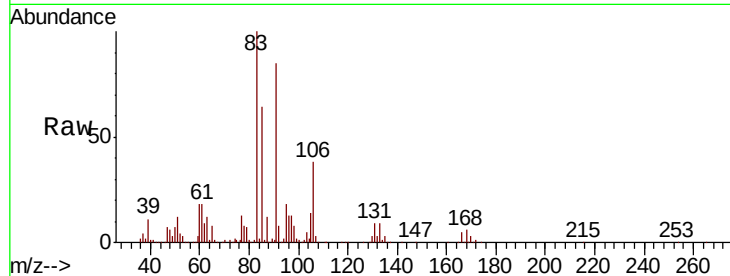
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.690 ppbv
 RT: 13.75 min Scan# 3409
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1202ABS01

Tot Ion	83	Resp	2000592
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.7
85	65.6	32.6	97.8

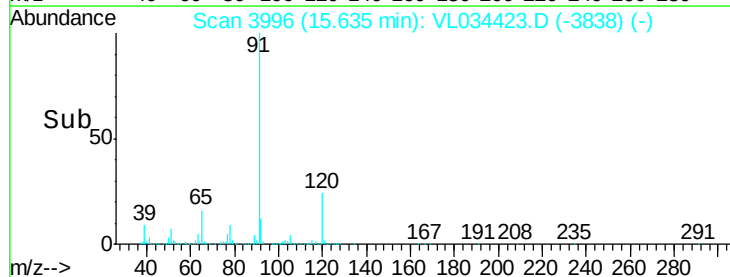
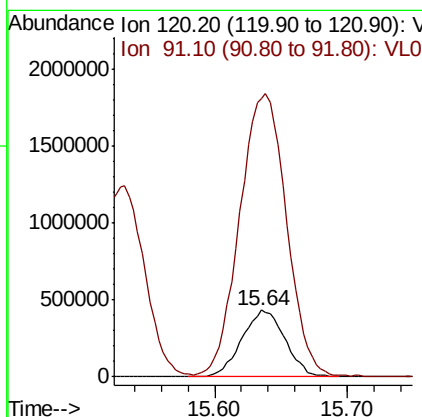
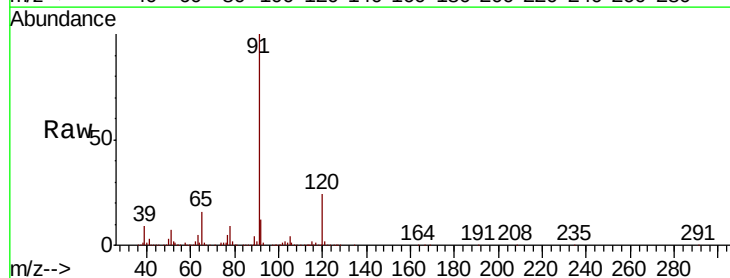
Manual Integrations
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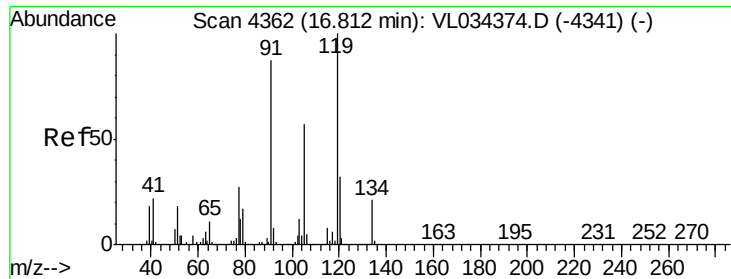
MMDadoda
 12/6/2019 12:45:49 PM



#64
 n-propylbenzene
 Concen: 9.407 ppbv
 RT: 15.64 min Scan# 3996
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

Tgt Ion	120	Resp	989451
Ion Ratio	Lower	Upper	
120	100		
91	459.4	370.9	556.3





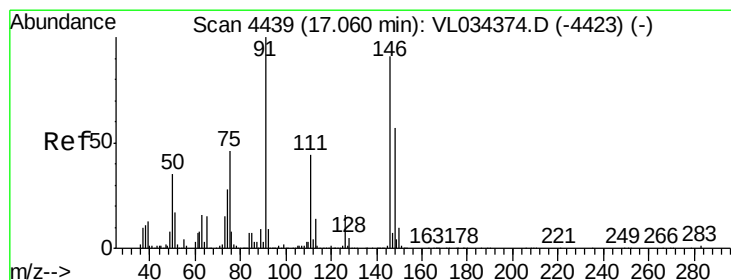
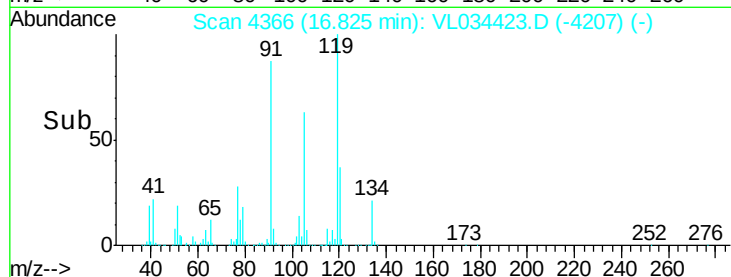
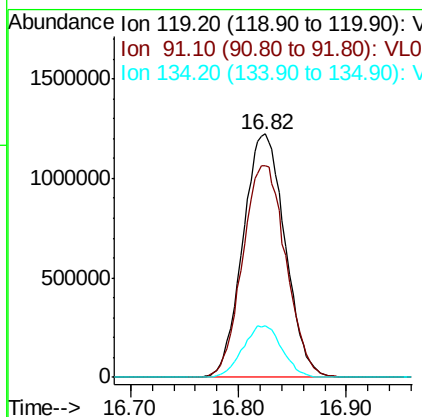
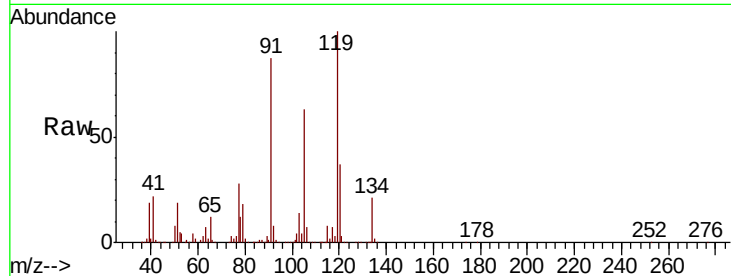
#65
 tert-Butylbenzene
 Concen: 9.115 ppbv
 RT: 16.82 min Scan# 4366
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1202ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	89.6	71.6	107.4
134	19.9	15.9	23.9

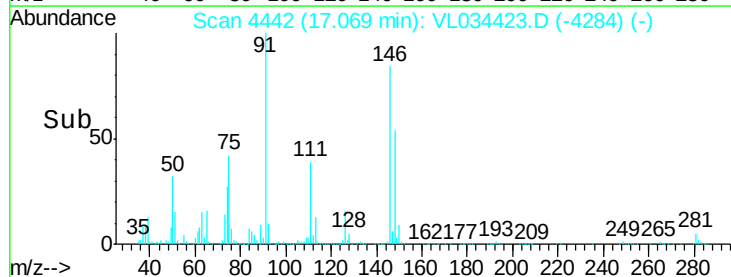
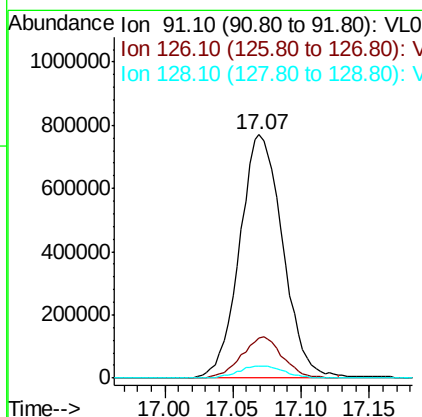
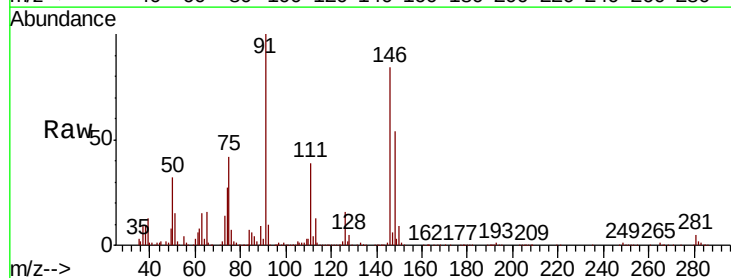
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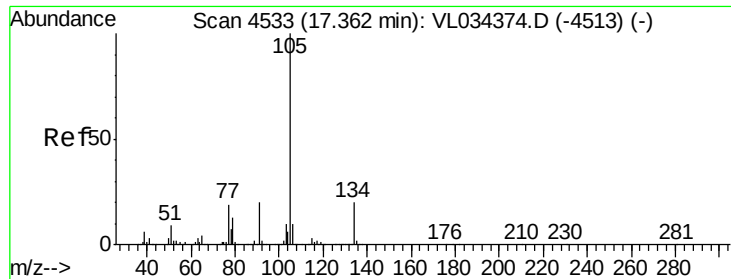
MMDadoda
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#66
 Benzyl Chloride
 Concen: 12.001 ppbv
 RT: 17.07 min Scan# 4442
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.4	12.9	19.3
128	5.2	4.3	6.5





#67

sec-Butylbenzene

Concen: 8.989 ppbv

RT: 17.37 min Scan# 4536

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

VL1202ABS01

Tot Ion:105 Resp: 4574748

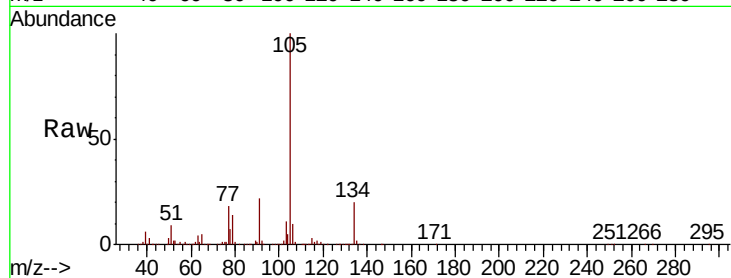
Ion Ratio Lower Upper

105 100

134 18.9 15.0 22.6

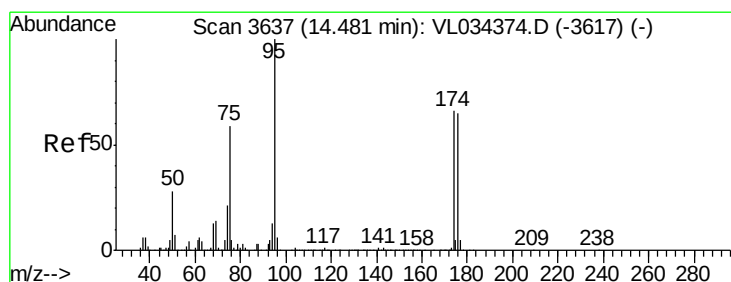
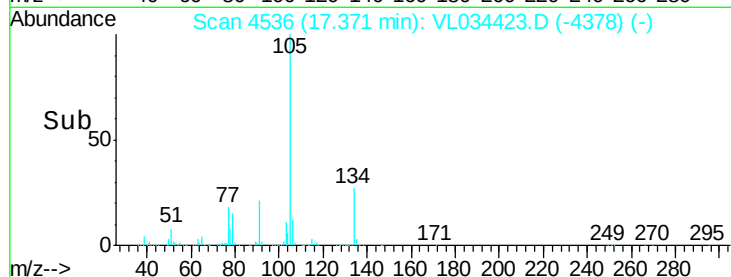
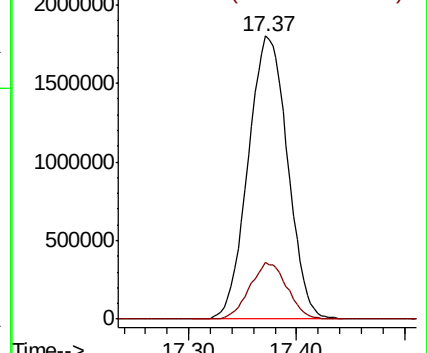
Manual Integrations
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.093 ppbv

RT: 14.49 min Scan# 3639

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

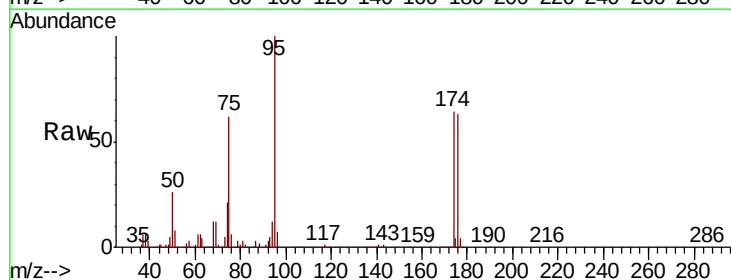
Tgt Ion: 95 Resp: 1766334

Ion Ratio Lower Upper

95 100

174 66.4 52.2 78.2

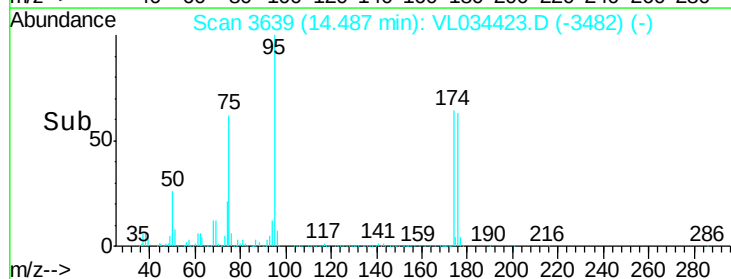
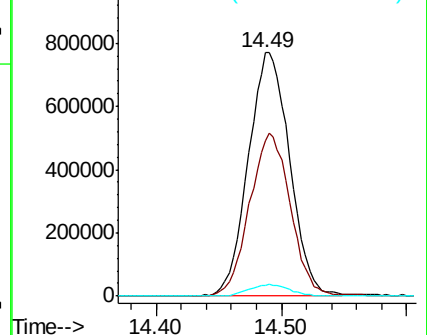
175 4.8 3.8 5.8

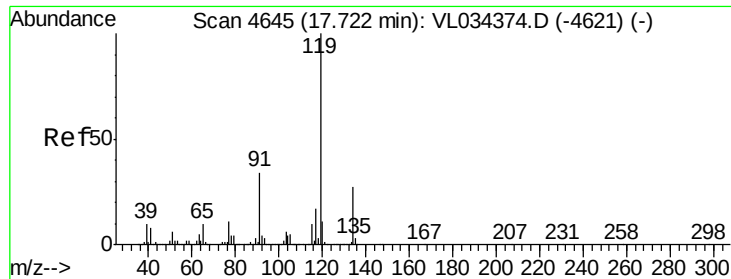


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





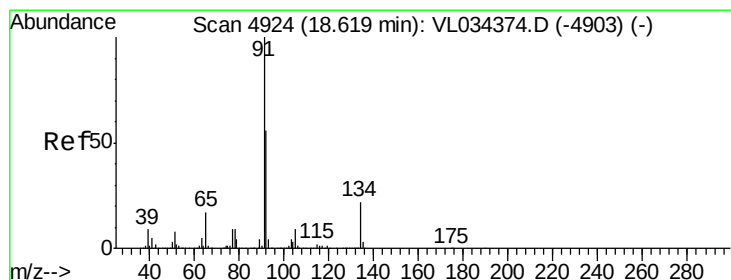
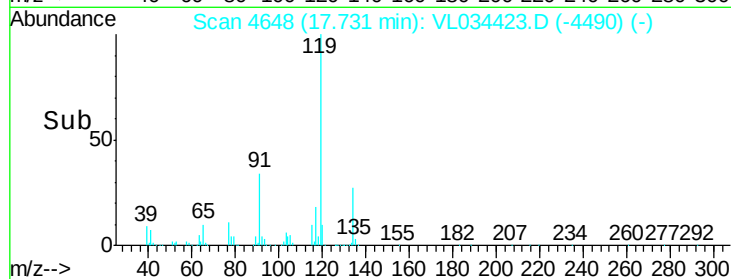
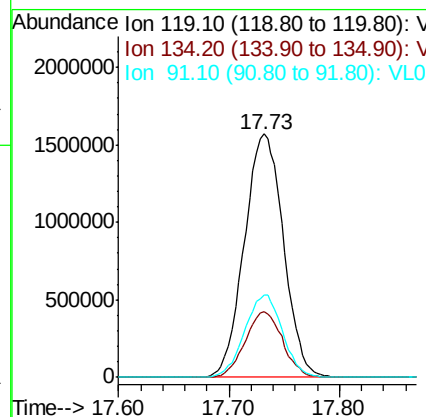
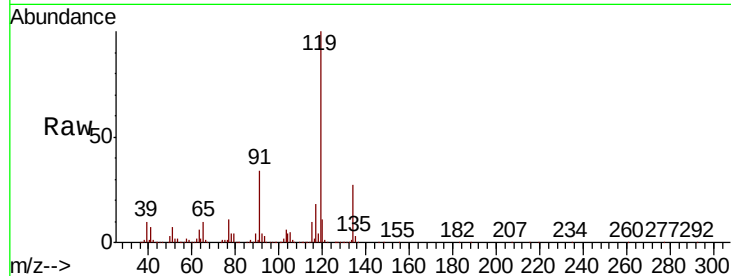
#69
 p-Isopropyltoluene
 Concen: 9.125 ppbv
 RT: 17.73 min Scan# 4648
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1202ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.6	31.0
91	33.0	26.3	39.5

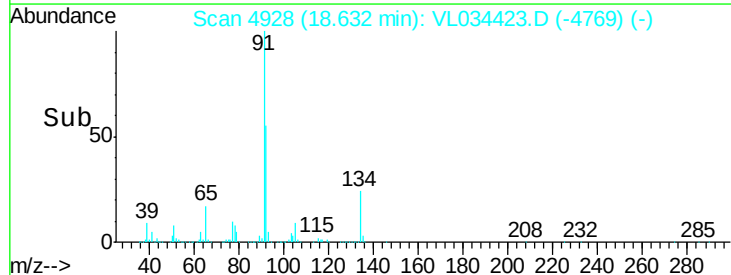
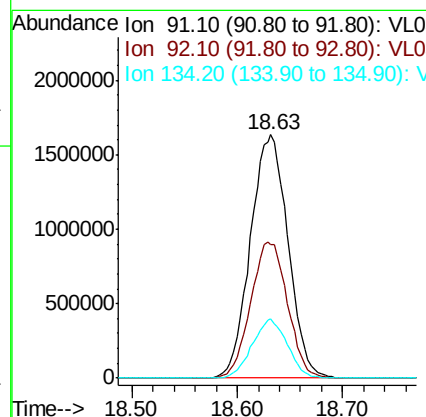
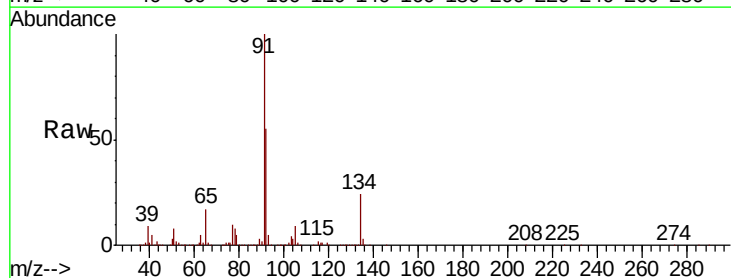
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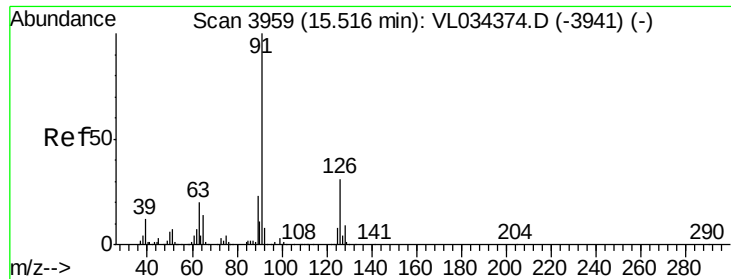
MMDadoda
 12/6/2019 12:45:49 PM



#70
 n-Butylbenzene
 Concen: 8.909 ppbv
 RT: 18.63 min Scan# 4928
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.0	43.8	65.6
134	22.8	17.9	26.9





#71

2-Chlorotoluene

Concen: 9.134 ppbv

RT: 15.53 min Scan# 3964

Delta R.T. 0.02 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

VL1202ABS01

Tot Ion: 91 Resp: 2949895

Ion Ratio Lower Upper

91 100

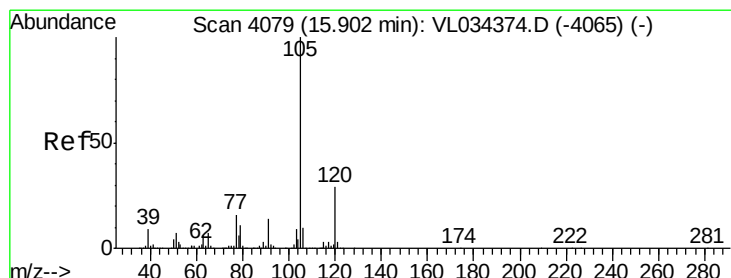
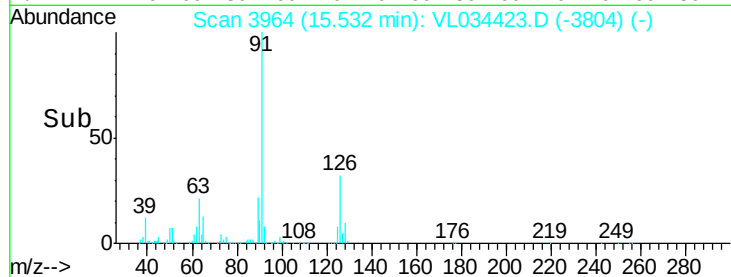
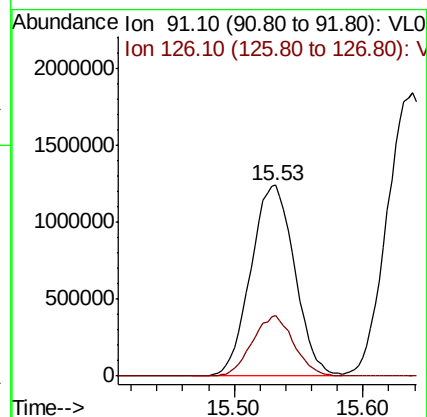
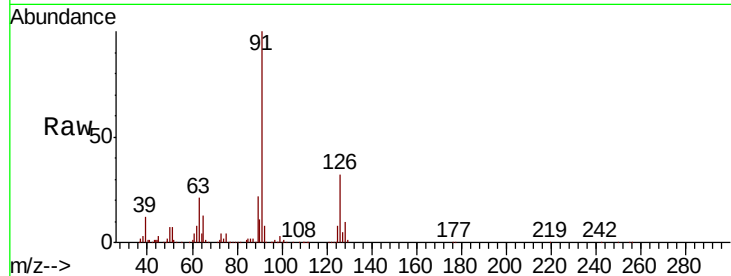
126 29.9 11.8 47.4

Manual Integrations

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#72

4-Ethyltoluene

Concen: 9.276 ppbv

RT: 15.92 min Scan# 4084

Delta R.T. 0.02 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Tgt Ion: 105 Resp: 3282644

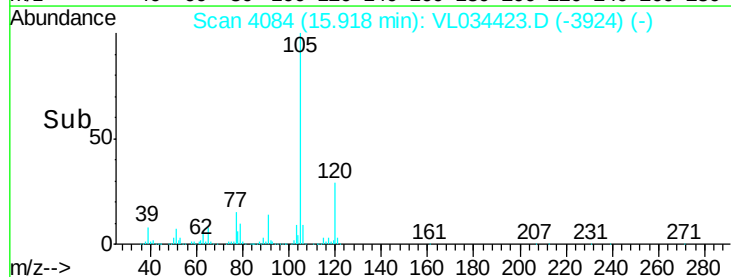
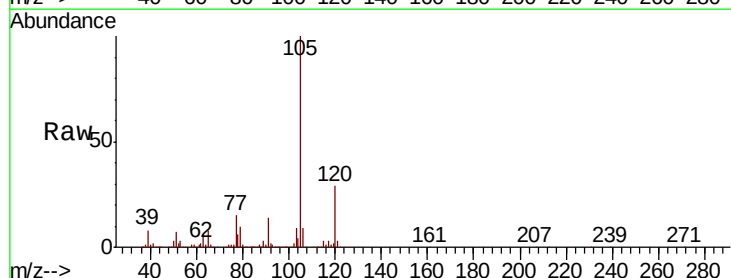
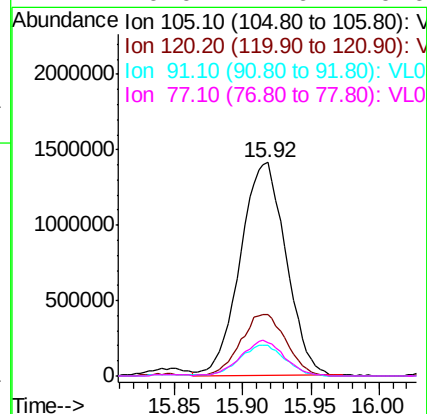
Ion Ratio Lower Upper

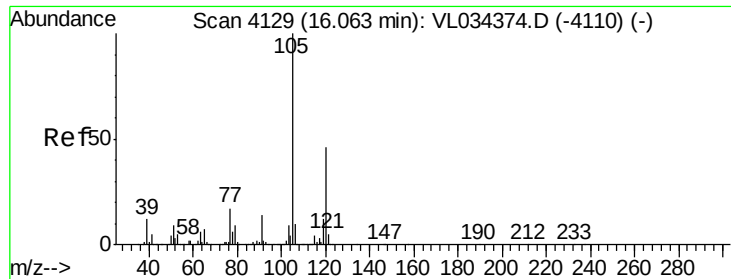
105 100

120 29.0 23.5 35.3

91 14.5 11.4 17.0

77 16.0 12.6 19.0





#73

1,3,5-Trimethylbenzene

Concen: 9.143 ppbv

RT: 16.07 min Scan# 4132

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

VL1202ABS01

Tot Ion:105 Resp: 3166901

Ion Ratio Lower Upper

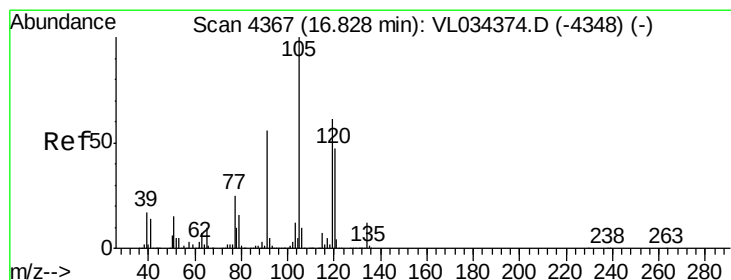
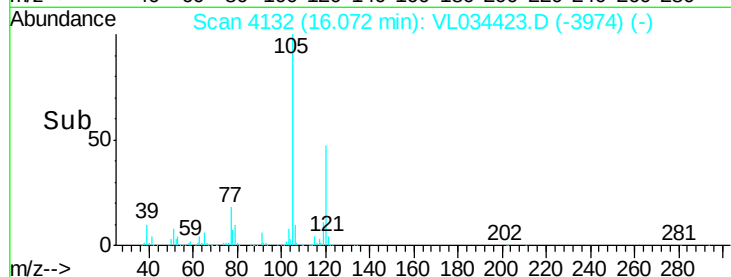
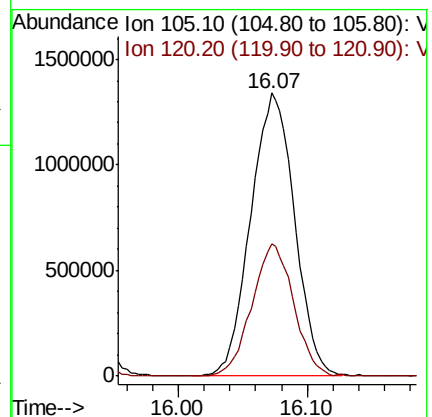
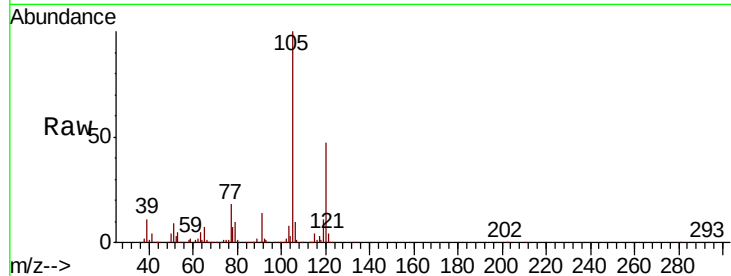
105 100

120 46.8 37.1 55.7

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#74

1,2,4-Trimethylbenzene

Concen: 8.809 ppbv

RT: 16.84 min Scan# 4371

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Tgt Ion:105 Resp: 3241112

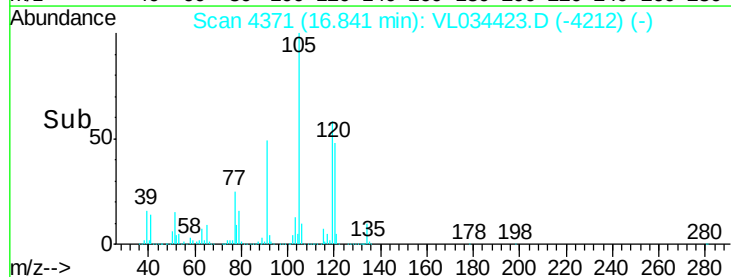
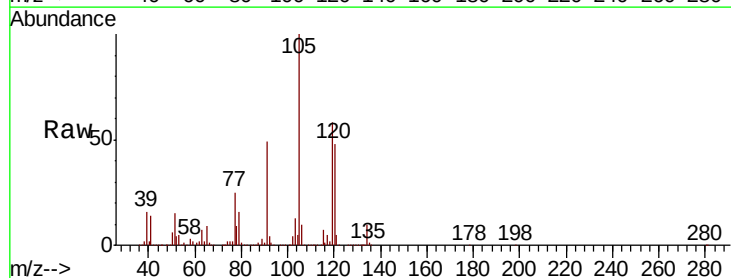
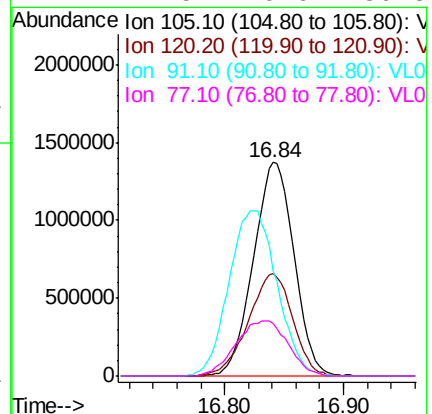
Ion Ratio Lower Upper

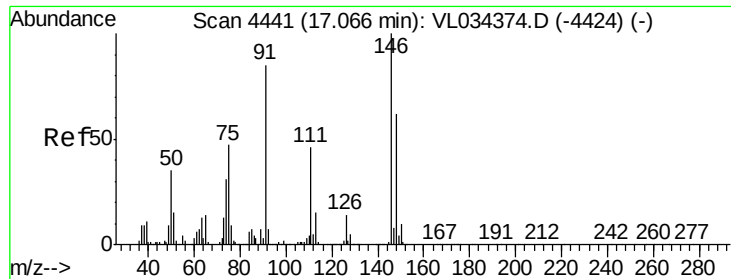
105 100

120 47.9 37.4 56.0

91 48.7 46.3 69.5

77 24.5 20.6 30.8





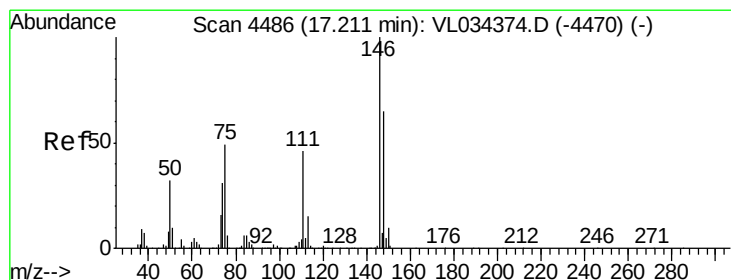
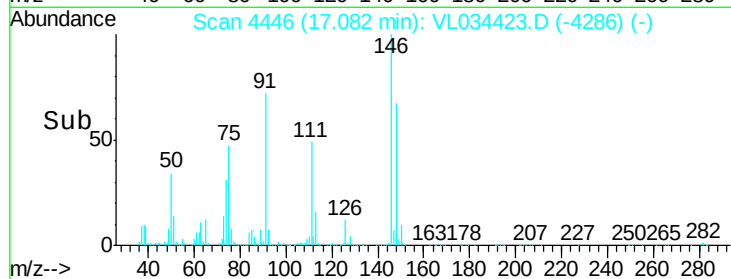
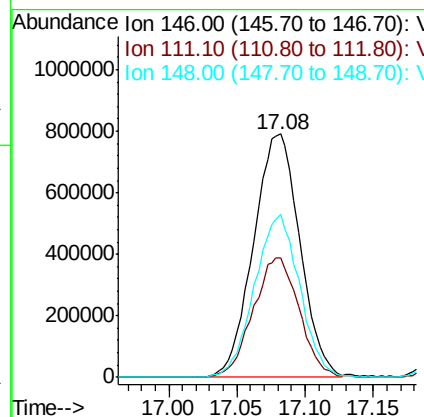
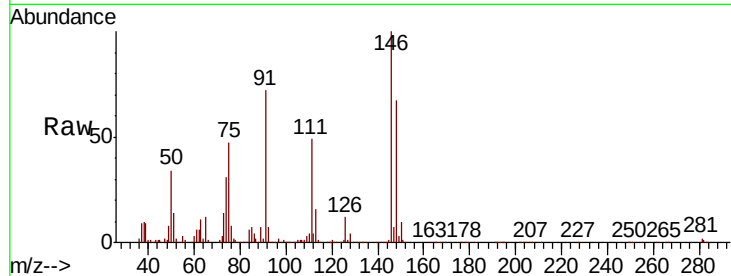
#75
 1,3-Dichlorobenzene
 Concen: 8.824 ppbv
 RT: 17.08 min Scan# 4446
 Delta R.T. 0.02 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

Instrument :
 MSVOA_L
 ClientSampled :
 VL1202ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.0	24.4	73.4
148	65.3	32.4	97.0

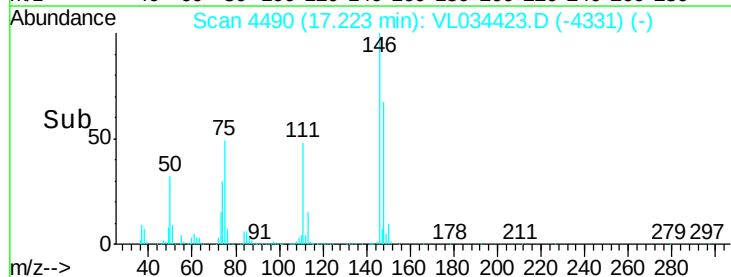
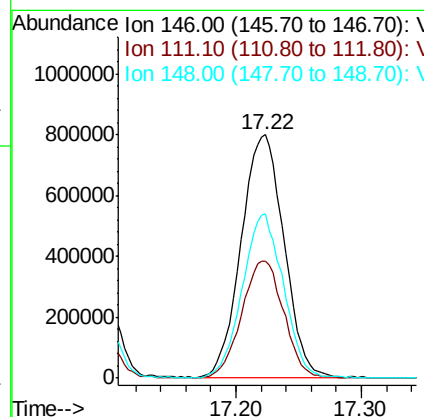
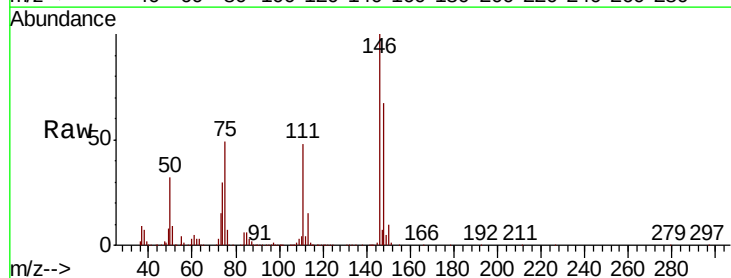
Manual Integrations
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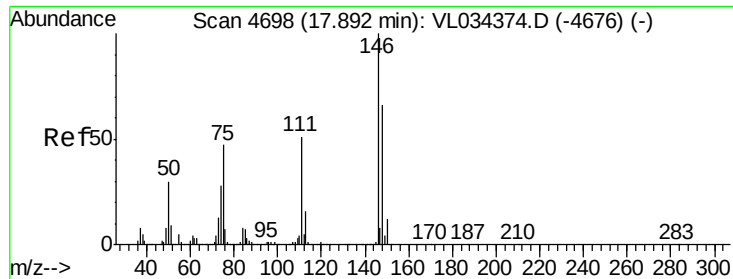
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 12/6/2019 12:45:49 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.217 ppbv
 RT: 17.22 min Scan# 4490
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.3	24.1	72.3
148	65.0	32.9	98.6





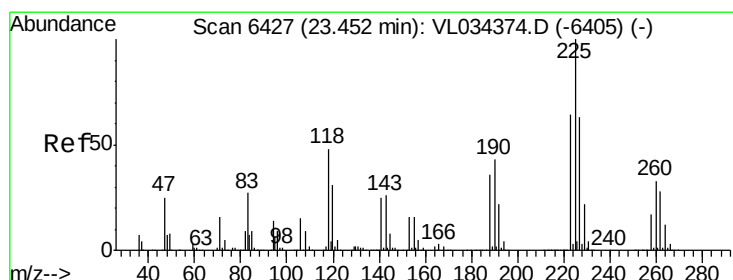
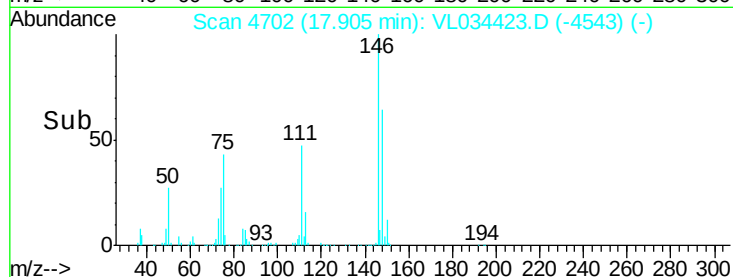
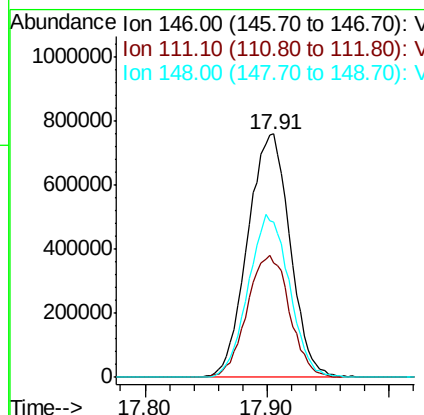
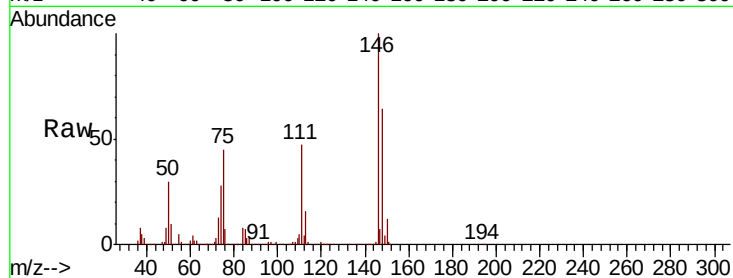
#77
 1,2-Dichlorobenzene
 Concen: 8.944 ppbv
 RT: 17.91 min Scan# 4702
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

Instrument :
 MSVOA_L
 ClientSampleID :
 VL1202ABS01

Tot Ion:146 Resp: 1827043
 Ion Ratio Lower Upper
 146 100
 111 50.1 25.0 75.0
 148 65.0 32.7 98.1

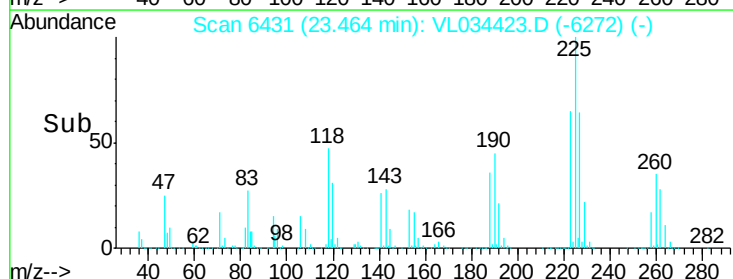
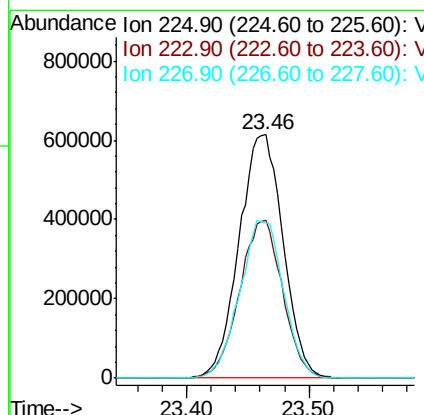
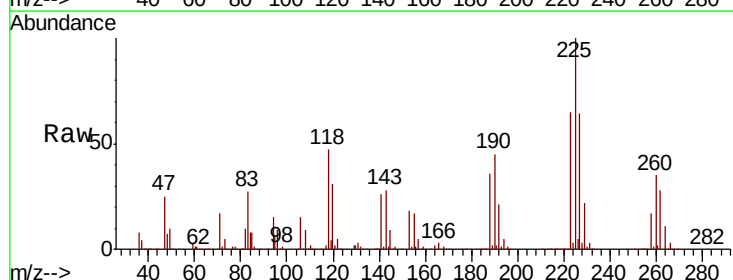
Manual Integrations
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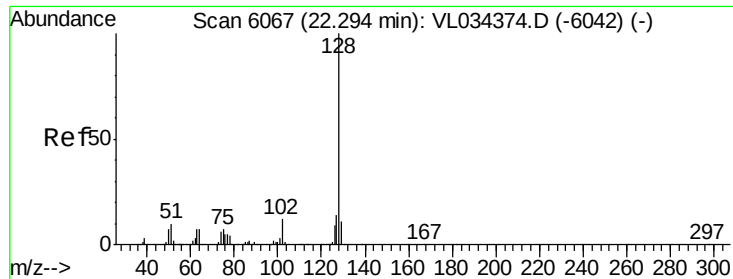
MMDadoda
 12/6/2019 12:45:49 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.709 ppbv
 RT: 23.46 min Scan# 6431
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

Tgt Ion:225 Resp: 1528464
 Ion Ratio Lower Upper
 225 100
 223 63.4 50.2 75.2
 227 64.7 51.5 77.3





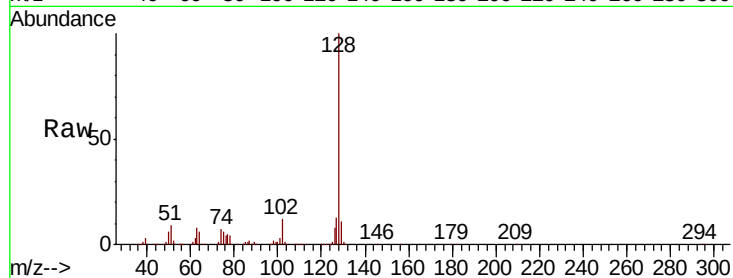
#79
Naphthalene
Concen: 8.992 ppbv
RT: 22.31 min Scan# 6072
Delta R.T. 0.02 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Instrument :
MSVOA_L
ClientSampled :
VL1202ABS01

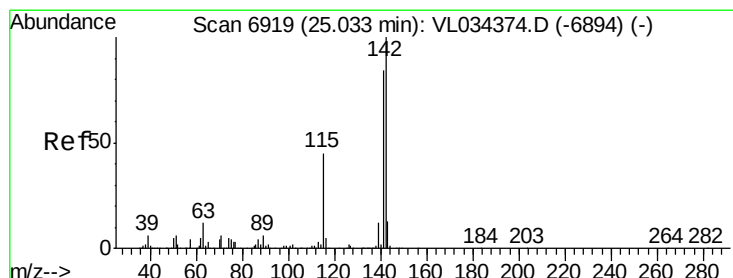
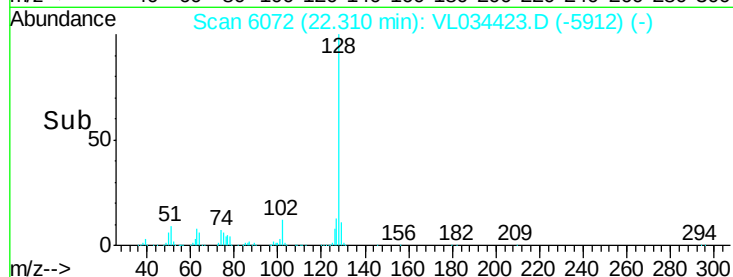
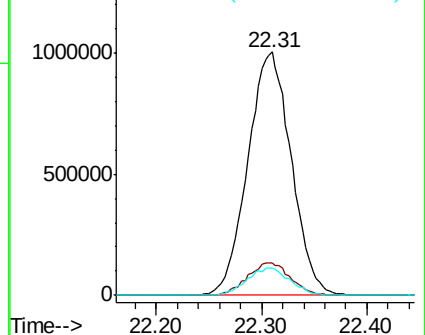
Tot Ion:128 Resp: 2868093
Ion Ratio Lower Upper
128 100
127 13.2 11.0 16.6
129 11.5 8.9 13.3

Manual Integrations
APPROVED

MMDadoda
12/6/2019 12:45:49 PM

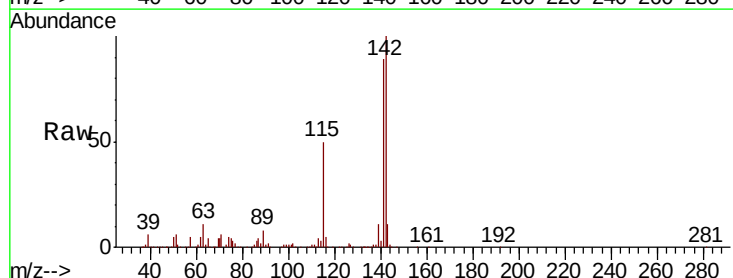


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

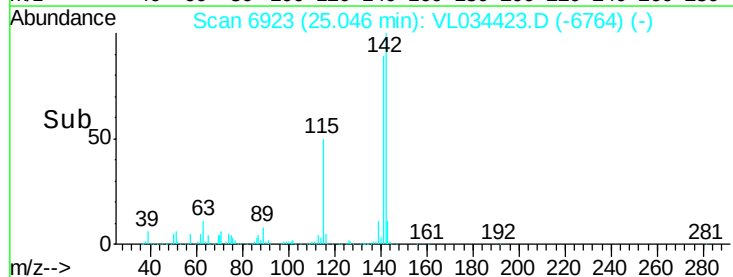
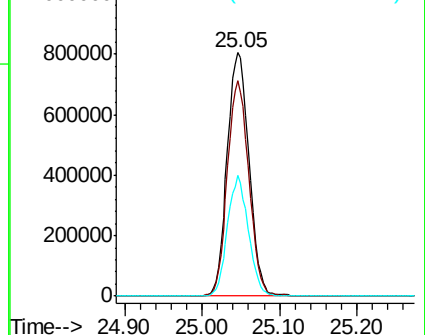


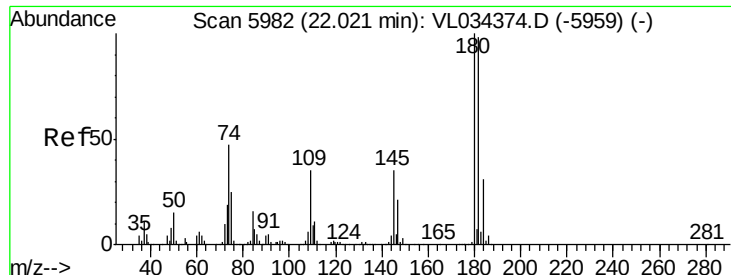
#80
Naphthalene, 2-methyl-
Concen: 10.946 ppbv
RT: 25.05 min Scan# 6923
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Tgt Ion:142 Resp: 1576627
Ion Ratio Lower Upper
142 100
141 86.6 67.1 100.7
115 47.2 36.6 54.8



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.881 ppbv
 RT: 22.04 min Scan# 5987
 Delta R.T. 0.02 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1202ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.8	115.2
184	31.8	24.9	37.3

Manual Integrations
 APPROVED

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 12/6/2019 12:45:49 PM

