

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100819\
 Data File : VL034253.D
 Acq On : 8 Oct 2019 17:16
 Operator : SY/AP
 Sample : VL1008ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL1008ABS01

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 5:07:02 PM

Quant Time: Oct 09 05:35:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1025239	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1773575	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.16	117	1870478	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1640075	10.09	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.03	85	1786029	11.794	ppbv	99
3) Chlorodifluoromethane	2.97	51	1208027	10.049	ppbv	99
4) Chloromethane	3.12	50	712874	10.091	ppbv	99
5) Vinyl Chloride	3.24	62	649931	10.067	ppbv	99
6) Bromomethane	3.46	94	313760	10.417	ppbv	94
7) Chloroethane	3.55	64	237799	10.538	ppbv	97
8) Dichlorotetrafluoroethane	3.17	85	1372528	10.269	ppbv	99
9) Propene	2.99	41	570903	9.626	ppbv	100
10) Heptane	8.17	43	1519122	9.828	ppbv	99
11) Trichlorofluoromethane	3.95	101	1480700	10.741	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	948557	10.515	ppbv	99
13) Ethanol	3.59	45	119401	8.314	ppbv	96
14) Bromoethene	3.73	108	399477	10.831	ppbv	99
15) Acetone	3.84	43	1251599	9.108	ppbv	98
16) 1,3-Butadiene	3.31	39	635881	10.604	ppbv	100
17) tert-Butyl alcohol	4.29	59	923037	10.602	ppbv	100
18) 1,1-Dichloroethene	4.29	96	426396	10.837	ppbv	96
19) Isopropyl Alcohol	3.96	45	818835	9.691	ppbv	99
20) Methylene Chloride	4.35	84	409270	10.330	ppbv	91
21) Allyl Chloride	4.41	41	855112	11.018	ppbv	100
22) trans-1,2-Dichloroethene	4.90	96	442230	11.233	ppbv	98
23) Vinyl Acetate	5.09	43	2016628	9.959	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1354581	9.935	ppbv	100
25) Ethyl Acetate	5.70	43	2521695	9.705	ppbv	100
26) Hexane	5.71	57	1058244	9.791	ppbv	99
27) Carbon Disulfide	4.56	76	1151176	11.548	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	1640457	10.219	ppbv	99
29) Chloroform	5.78	83	1577824	10.215	ppbv	99
30) Cyclohexane	7.17	84	776096	9.945	ppbv	100
31) cis-1,2-Dichloroethene	5.57	61	1133565	10.288	ppbv	98
32) 1,1,1-Trichloroethane	6.55	97	1514082	10.164	ppbv	100
34) 2-Butanone	5.26	43	1726245	9.532	ppbv	99
35) Carbon Tetrachloride	7.06	117	1551439	10.529	ppbv	98
36) Benzene	6.93	78	1888968	9.643	ppbv	99
37) 1,2-Dichloroethane	6.34	62	1426708	10.240	ppbv	99
38) Trichloroethene	7.89	130	654740	9.355	ppbv	96
39) 1,2-Dichloropropane	7.66	63	829686	9.427	ppbv	96
40) 1,4-Dioxane	7.87	88	282566	9.921	ppbv #	89
41) Tetrahydrofuran	6.08	42	992093	9.727	ppbv	99
42) Bromodichloromethane	7.84	83	1732479	10.361	ppbv	98
43) Methyl Methacrylate	8.06	69	830365	10.262	ppbv	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	3569148	9.465	ppbv	100
45) t-1,3-Dichloropropene	9.34	75	1104696	11.546	ppbv	98
46) cis-1,3-Dichloropropene	8.76	75	1233793	10.720	ppbv	98
47) 1,1,2-Trichloroethane	9.54	97	761776	9.639	ppbv	93
48) Dibromochloromethane	10.37	129	1299803	10.377	ppbv	99
49) Bromoform	13.12	173	1067936	10.536	ppbv	100
50) 4-Methyl-2-Pentanone	8.79	43	2527957	9.592	ppbv	99
51) 2-Hexanone	10.19	43	2128958	9.625	ppbv	98
52) Tetrachloroethene	11.29	164	576356	8.906	ppbv	86
53) Toluene	9.86	91	2083002	9.730	ppbv	99
54) 1,2-Dibromoethane	10.68	107	1146587	9.756	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.19	131	857036	10.274	ppbv	99
57) Chlorobenzene	12.22	112	1523628	9.356	ppbv	98
58) Ethyl Benzene	12.78	91	2878140	9.536	ppbv	98
59) m/p-Xylene	13.07	91	4776718m	19.108	ppbv	
60) o-Xylene	13.77	91	2409563	9.640	ppbv	98
61) Styrene	13.60	104	1727258	9.647	ppbv	99
62) Isopropylbenzene	14.74	105	3086670	9.539	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.75	83	1753038	8.553	ppbv	98
64) n-propylbenzene	15.64	120	768080	9.382	ppbv	87
65) tert-Butylbenzene	16.83	119	2643197	9.349	ppbv	100
66) Benzyl Chloride	17.07	91	1287144	12.868	ppbv	98
67) sec-Butylbenzene	17.38	105	3826785	9.465	ppbv	98
69) p-Isopropyltoluene	17.73	119	3084079	9.421	ppbv	100
70) n-Butylbenzene	18.63	91	3524671	9.246	ppbv	98
71) 2-Chlorotoluene	15.54	91	2494396	9.435	ppbv	100
72) 4-Ethyltoluene	15.91	105	2705768	9.581	ppbv	99
73) 1,3,5-Trimethylbenzene	16.08	105	2622689	9.613	ppbv	97
74) 1,2,4-Trimethylbenzene	16.84	105	2673815	9.230	ppbv	95
75) 1,3-Dichlorobenzene	17.08	146	1395766	8.980	ppbv	100
76) 1,4-Dichlorobenzene	17.22	146	1426547	8.962	ppbv	100
77) 1,2-Dichlorobenzene	17.91	146	1404072	8.925	ppbv	100
78) Hexachloro-1,3-Butadiene	23.46	225	961241	9.225	ppbv	99
79) Naphthalene	22.30	128	2245940	8.806	ppbv	97
80) Naphthalene,2-methyl-	25.05	142	931627	7.855	ppbv	99
81) 1,2,4-Trichlorobenzene	22.03	180	1250345	8.850	ppbv	99

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

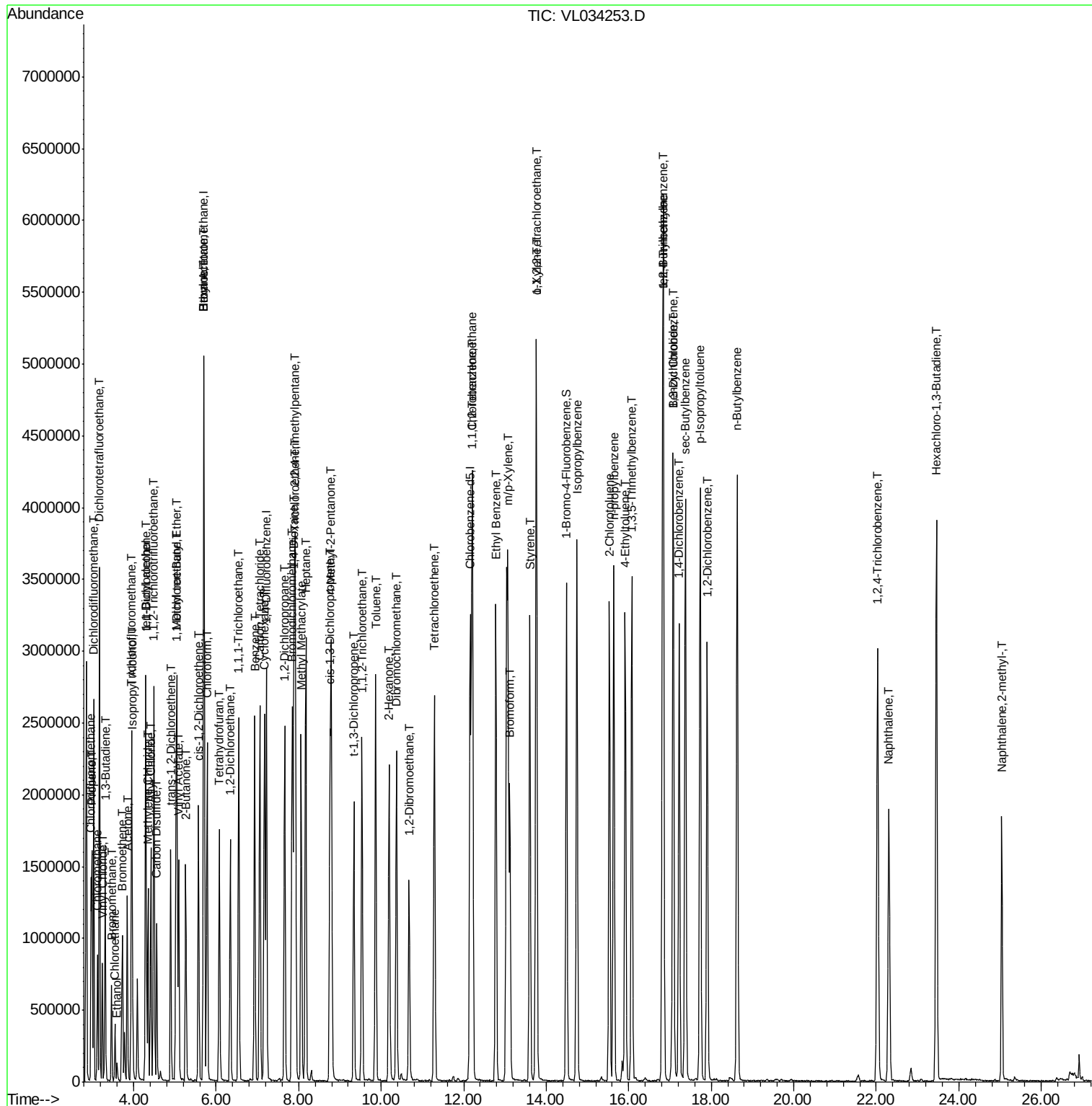
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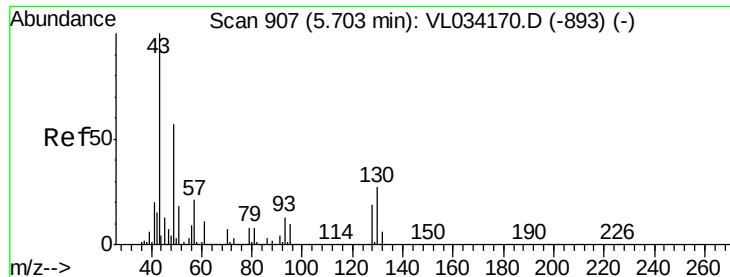
Instrument :
MSVOA_L
ClientSampleId :
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QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 904

Delta R.T. -0.01 min

Lab File: VL034253.D

Acq: 8 Oct 2019 17:16

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tgt Ion: 49 Resp: 1025239

Ion Ratio Lower Upper

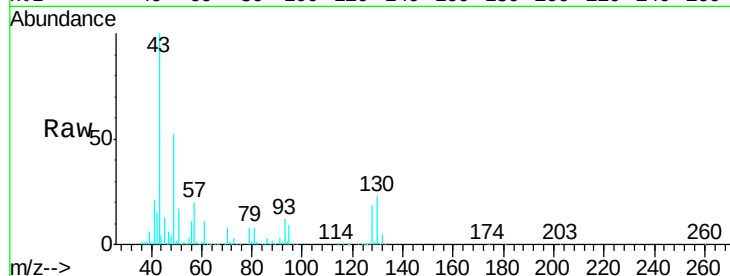
49 100

128 35.0 17.6 52.9

130 45.0 22.3 66.9

Manual Integrations
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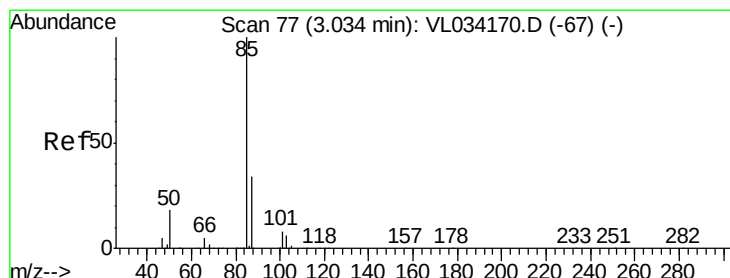
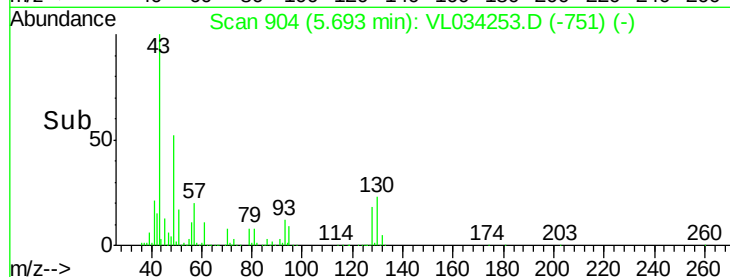
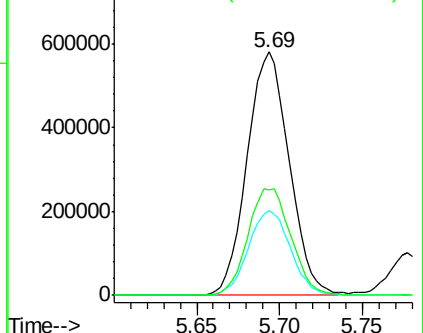
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 11.794 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL034253.D

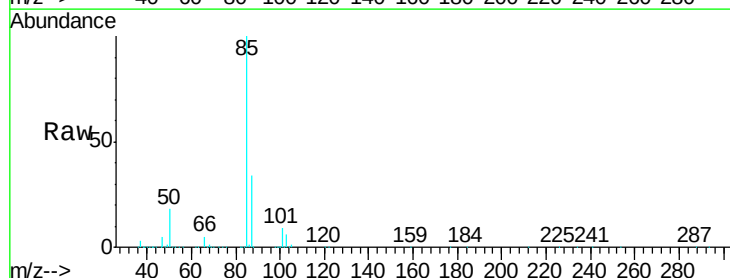
Acq: 8 Oct 2019 17:16

Tgt Ion: 85 Resp: 1786029

Ion Ratio Lower Upper

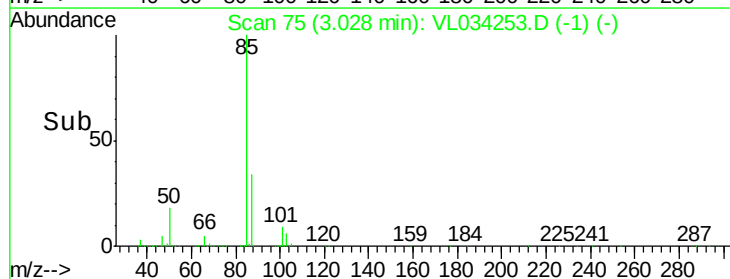
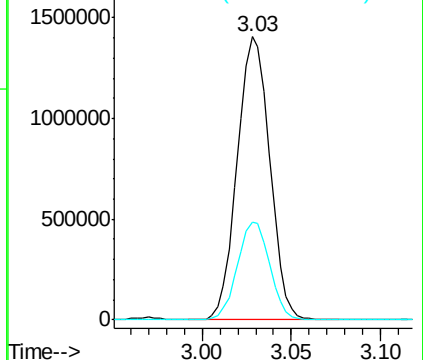
85 100

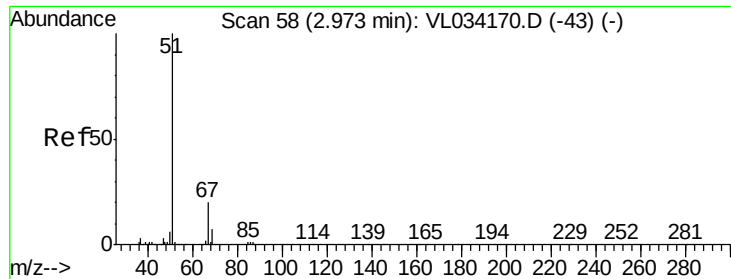
87 34.3 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.049 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL034253.D

Acq: 8 Oct 2019 17:16

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tgt Ion: 51 Resp: 1208027

Ion Ratio Lower Upper

51 100

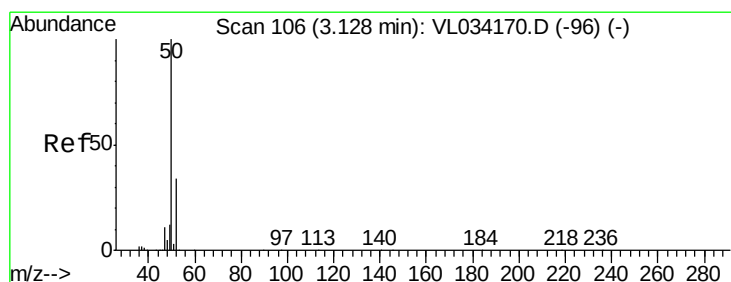
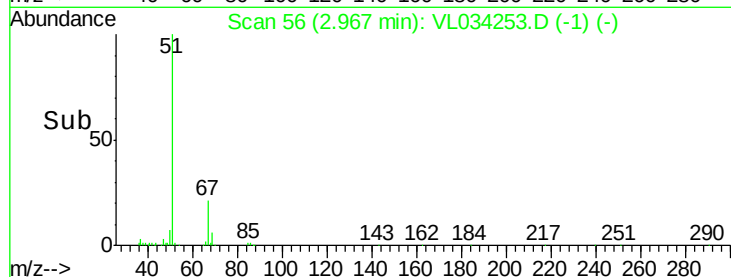
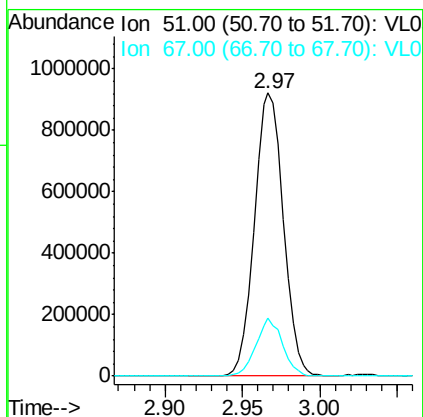
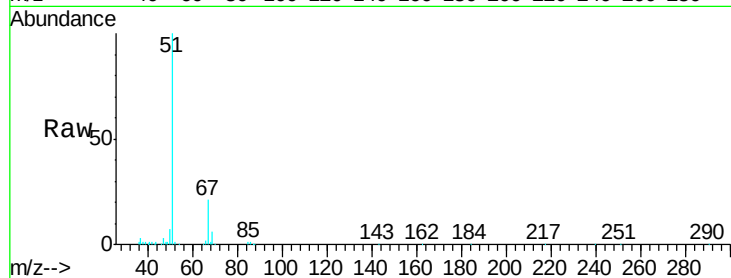
67 19.0 14.8 22.2

Manual Integrations

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#4

Chloromethane

Concen: 10.091 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL034253.D

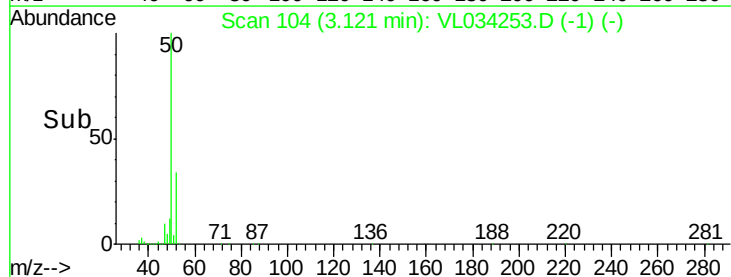
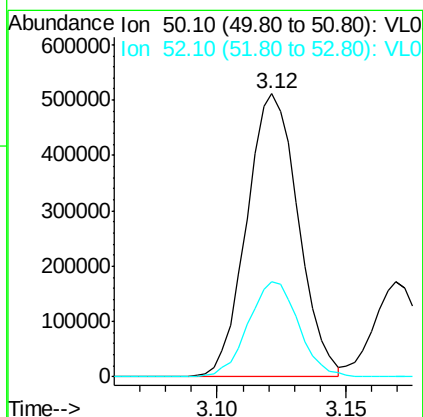
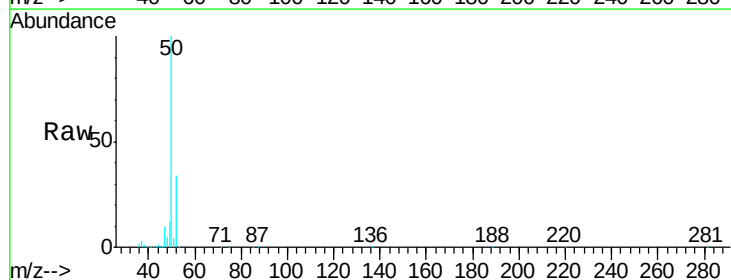
Acq: 8 Oct 2019 17:16

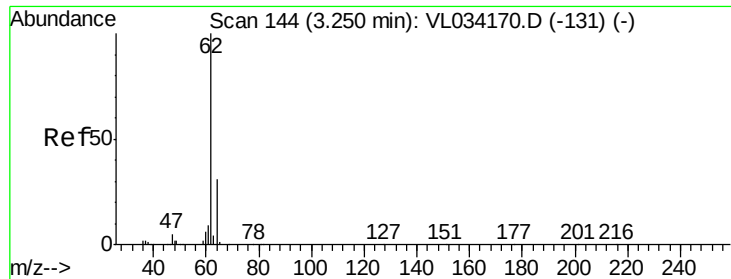
Tgt Ion: 50 Resp: 712874

Ion Ratio Lower Upper

50 100

52 33.5 27.1 40.7





#5

Vinyl Chloride

Concen: 10.067 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.01 min

Lab File: VL034253.D

Acq: 8 Oct 2019 17:16

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tgt Ion: 62 Resp: 649931

Ion Ratio Lower Upper

62 100

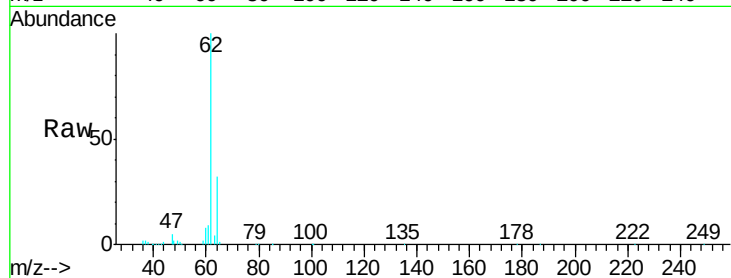
64 32.0 25.2 37.8

Manual Integrations

APPROVED

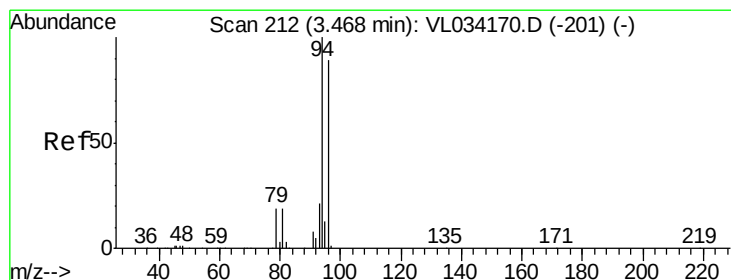
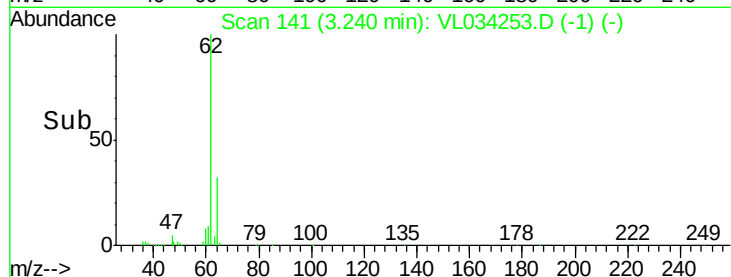
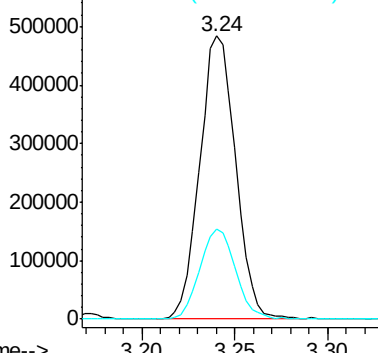
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.417 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL034253.D

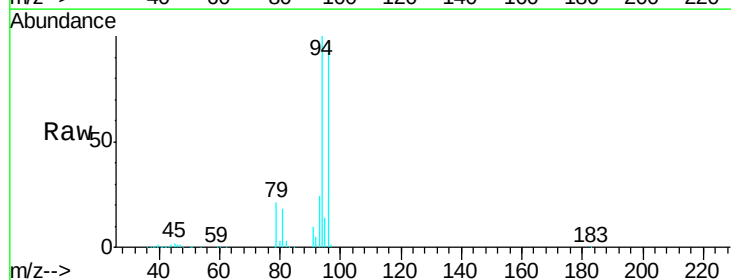
Acq: 8 Oct 2019 17:16

Tgt Ion: 94 Resp: 313760

Ion Ratio Lower Upper

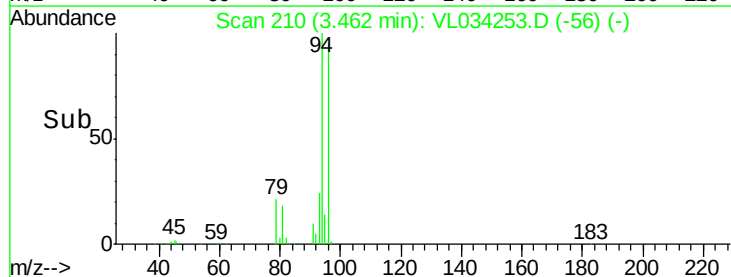
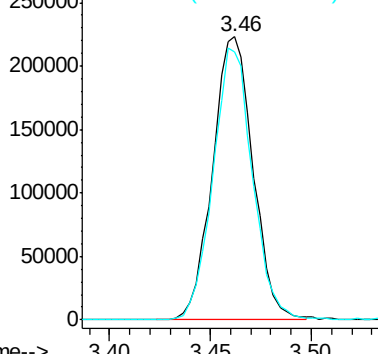
94 100

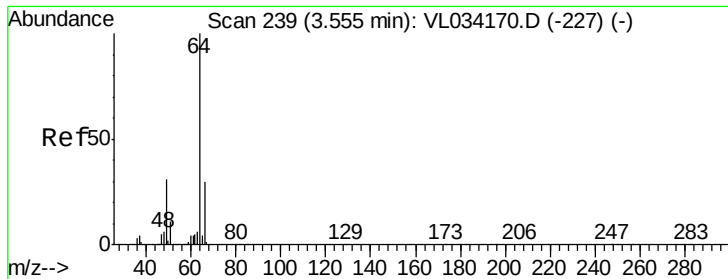
96 94.8 71.3 106.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.538 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL034253.D

Acq: 8 Oct 2019 17:16

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Tgt Ion: 64 Resp: 237799

Ion Ratio Lower Upper

64 100

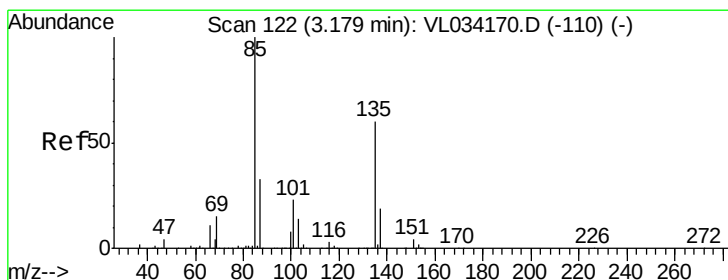
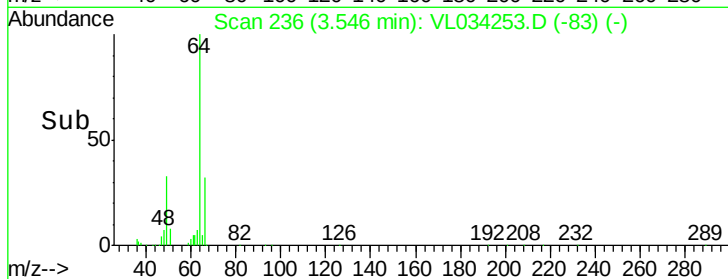
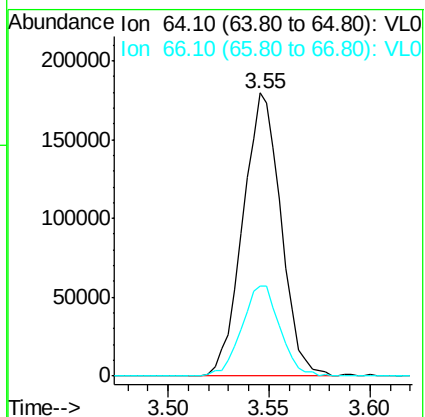
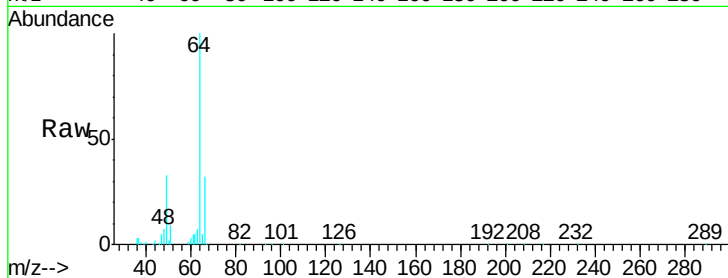
66 32.0 24.2 36.4

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 10.269 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL034253.D

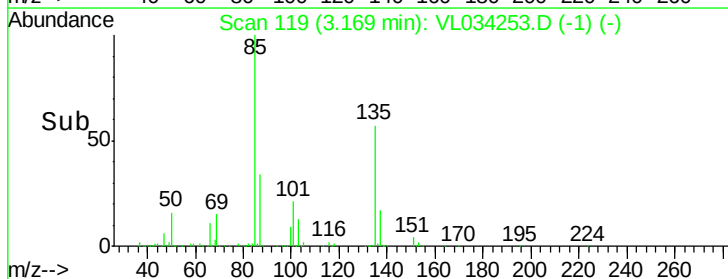
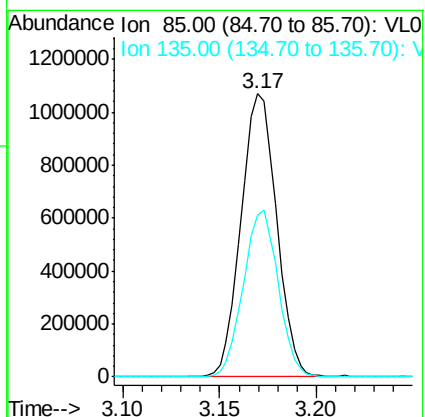
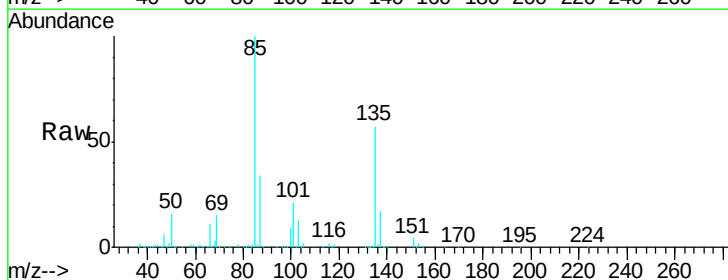
Acq: 8 Oct 2019 17:16

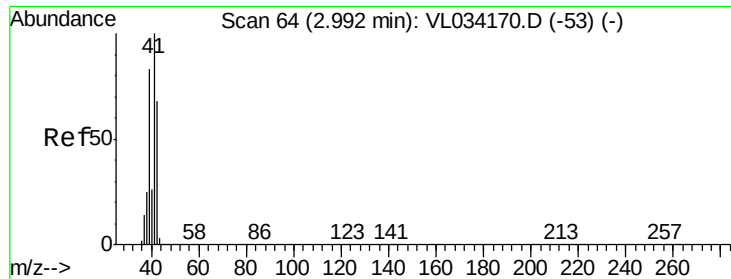
Tgt Ion: 85 Resp: 1372528

Ion Ratio Lower Upper

85 100

135 58.1 47.3 70.9





#9

Propene

Concen: 9.626 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL034253.D

Acq: 8 Oct 2019 17:16

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tgt Ion: 41 Resp: 570903

Ion Ratio Lower Upper

41 100

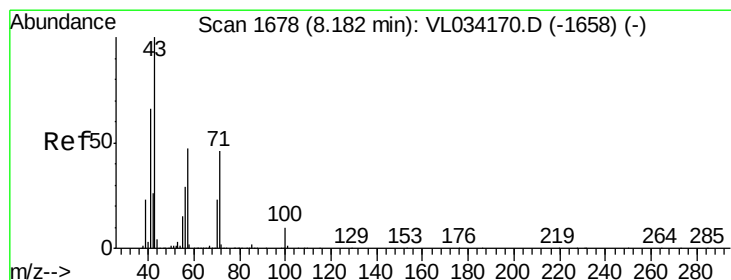
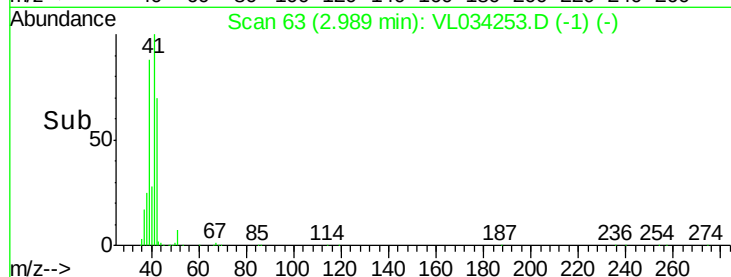
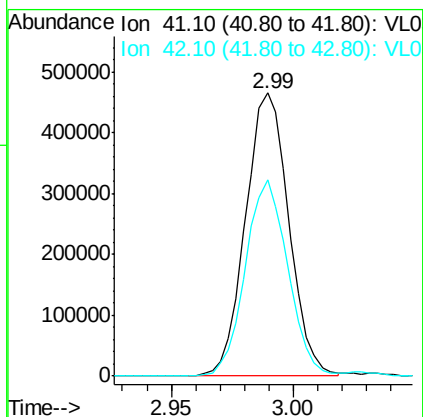
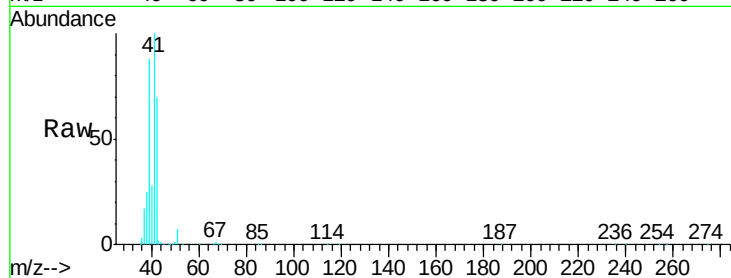
42 69.6 55.8 83.6

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#10

Heptane

Concen: 9.828 ppbv

RT: 8.17 min Scan# 1675

Delta R.T. -0.01 min

Lab File: VL034253.D

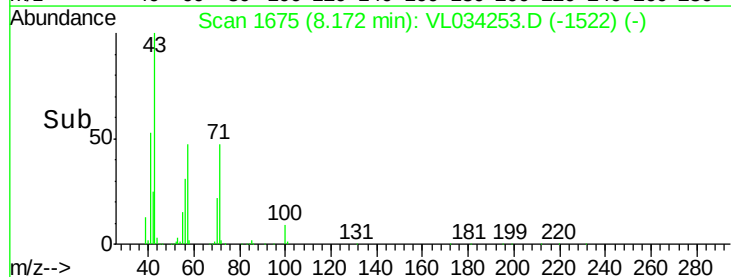
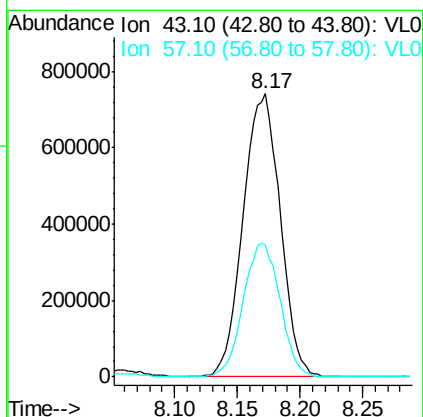
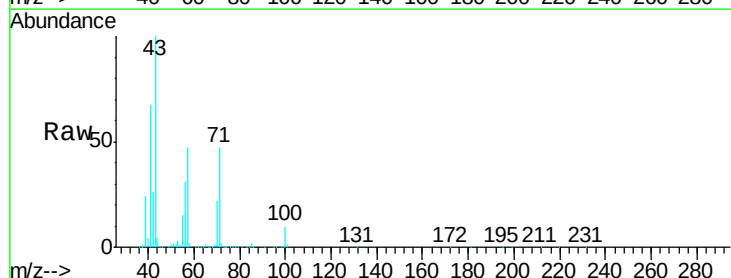
Acq: 8 Oct 2019 17:16

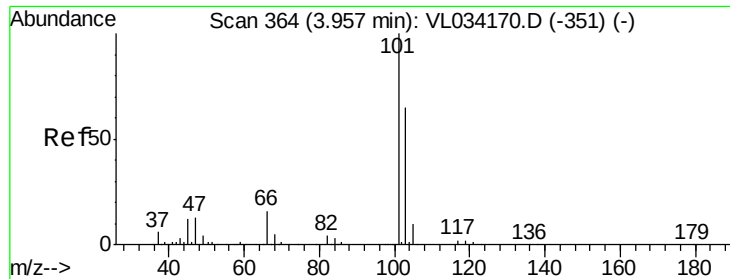
Tgt Ion: 43 Resp: 1519122

Ion Ratio Lower Upper

43 100

57 47.3 37.5 56.3





#11

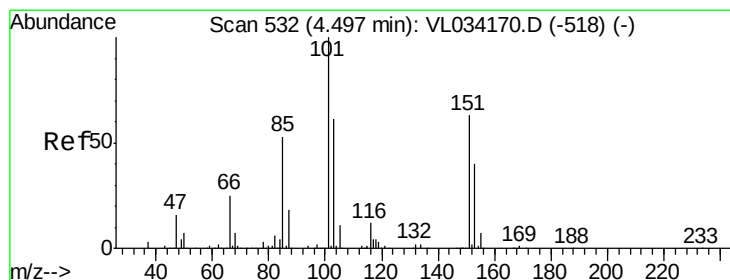
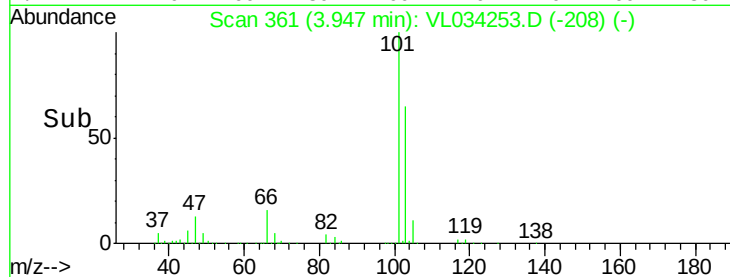
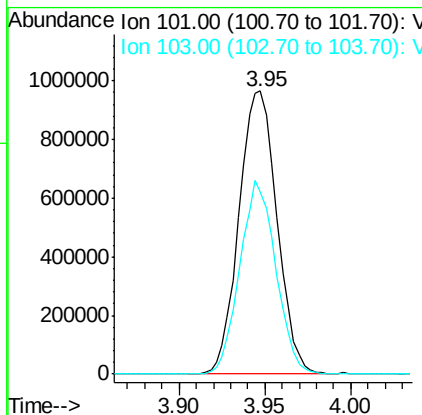
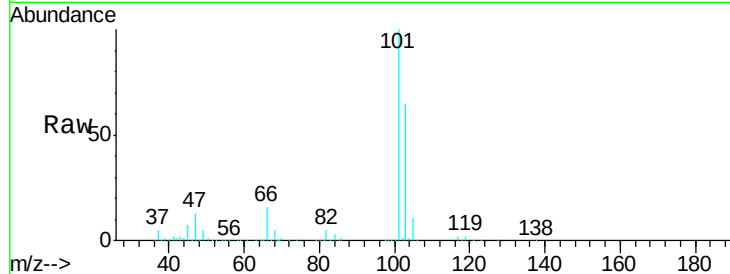
Trichlorofluoromethane
Concen: 10.741 ppbv
RT: 3.95 min Scan# 361
Delta R.T. -0.01 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Instrument :
MSVOA_L
ClientSampleId :
VL1008ABS01

Tgt Ion:101 Resp: 1480700
Ion Ratio Lower Upper
101 100
103 64.6 52.1 78.1

Manual Integrations
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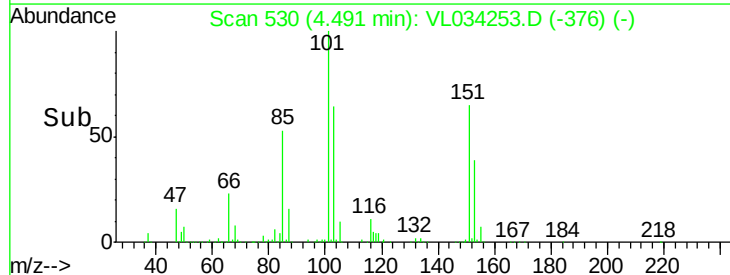
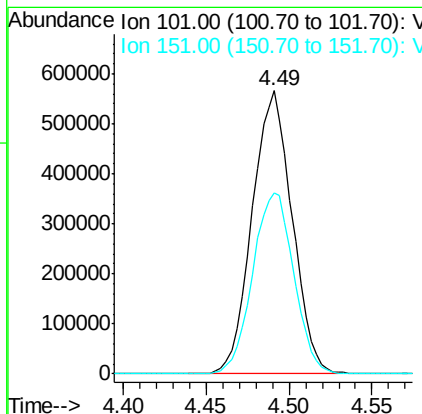
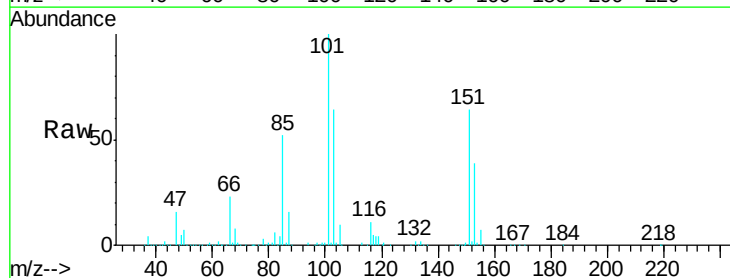
MMDadoda
10/11/2019 5:07:02 PM

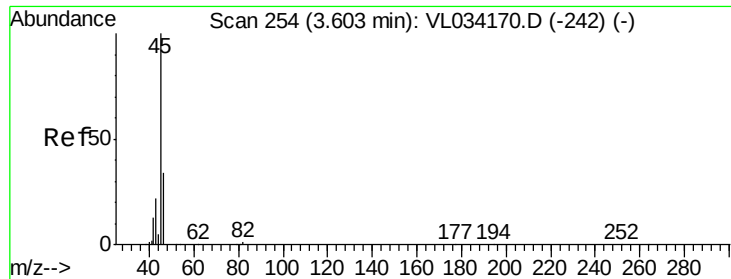


#12

1,1,2-Trichlorotrifluoroethane
Concen: 10.515 ppbv
RT: 4.49 min Scan# 530
Delta R.T. -0.01 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Tgt Ion:101 Resp: 948557
Ion Ratio Lower Upper
101 100
151 65.8 51.8 77.8





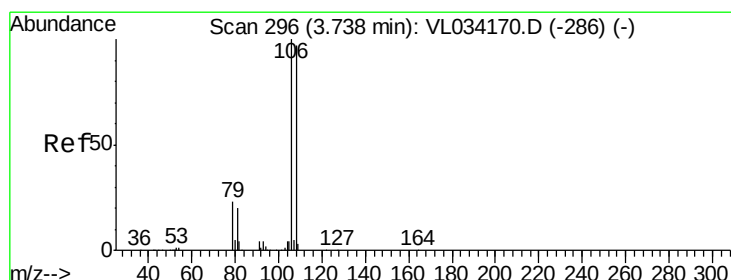
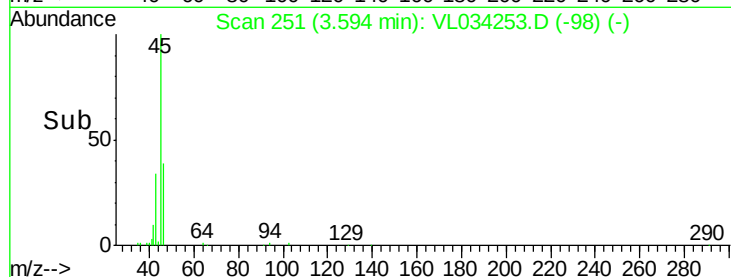
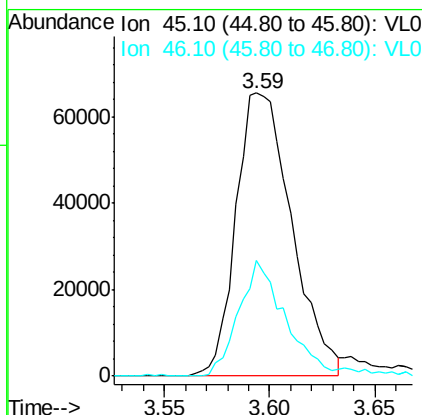
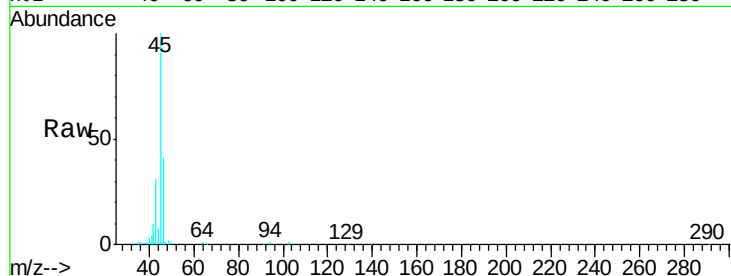
#13
Ethanol
Concen: 8.314 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Instrument :
MSVOA_L
ClientSampleId :
VL1008ABS01

Tgt Ion	Ratio	Lower	Upper
45	100		
46	36.0	15.5	61.9

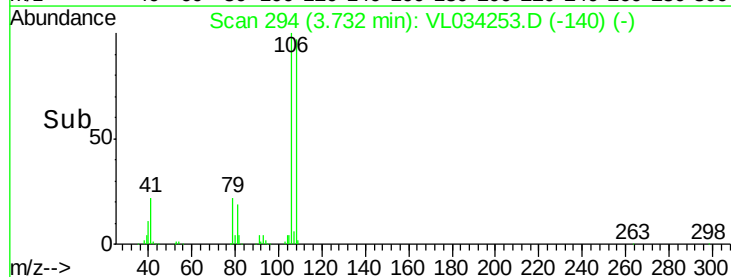
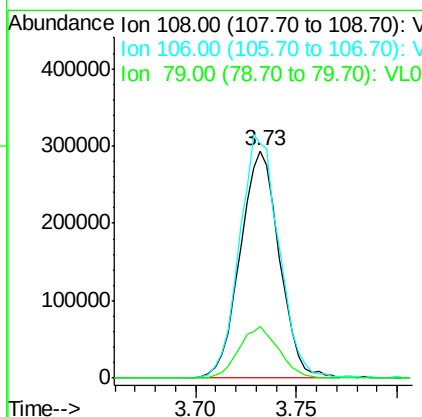
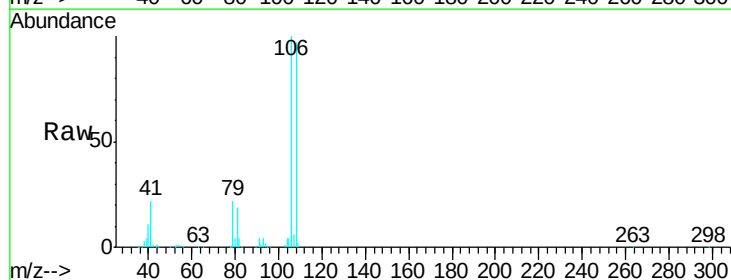
Manual Integrations
APPROVED

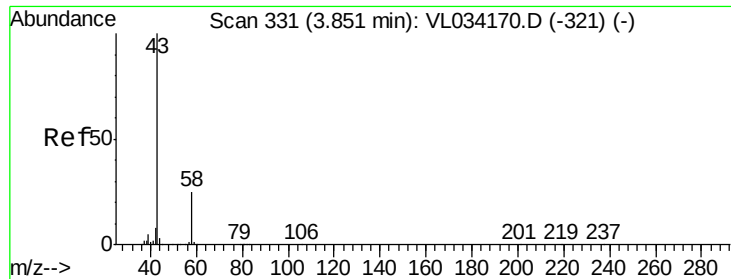
MMDadoda
10/11/2019 5:07:02 PM



#14
Bromoethene
Concen: 10.831 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.01 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Tgt Ion	Ratio	Lower	Upper
108	100		
106	108.5	86.2	129.4
79	23.4	18.6	27.8





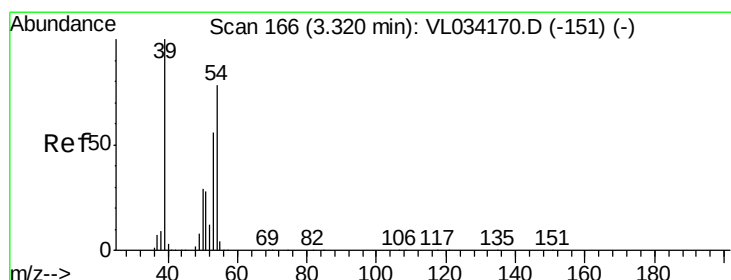
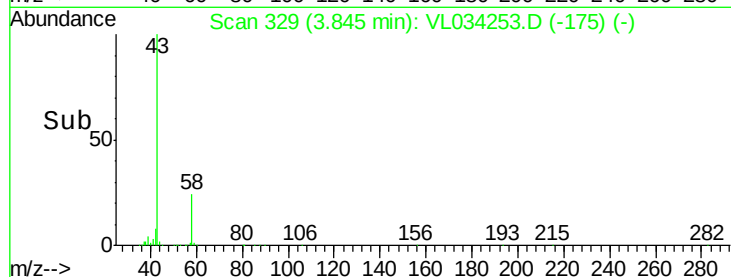
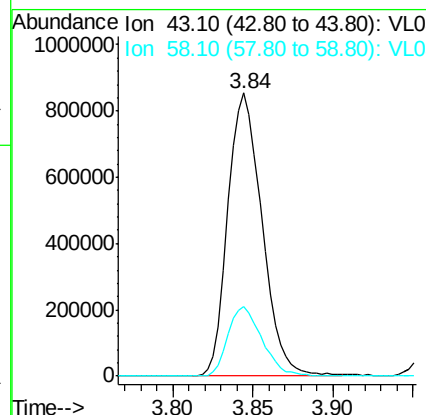
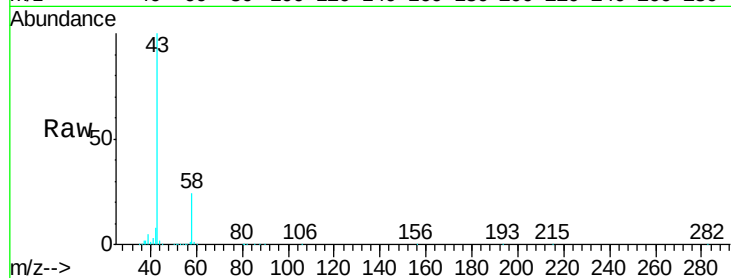
#15
Acetone
Concen: 9.108 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Instrument :
MSVOA_L
ClientSampleId :
VL1008ABS01

Tgt Ion: 43 Resp: 1251599
Ion Ratio Lower Upper
43 100
58 24.6 20.5 30.7

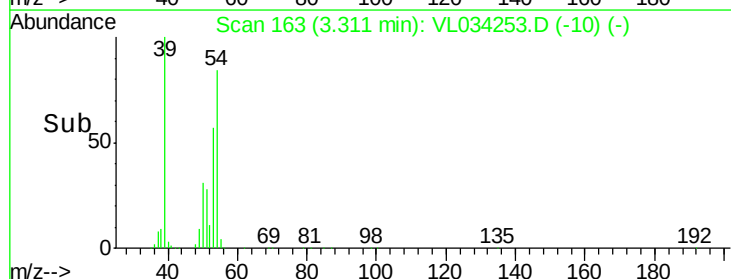
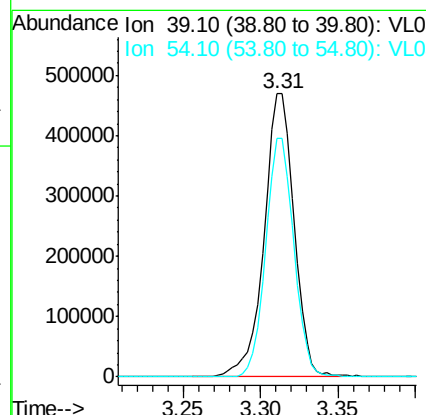
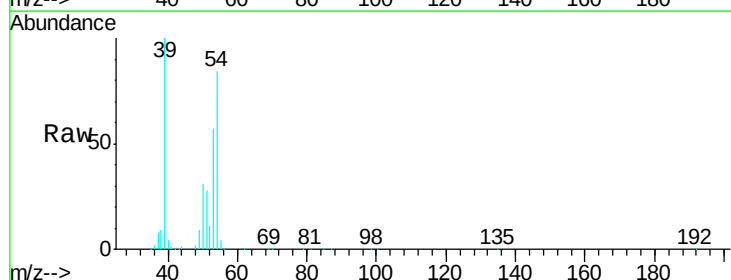
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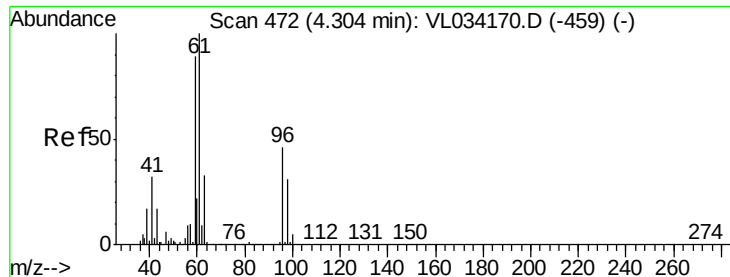
MMDadoda
10/11/2019 5:07:02 PM



#16
1,3-Butadiene
Concen: 10.604 ppbv
RT: 3.31 min Scan# 163
Delta R.T. -0.01 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Tgt Ion: 39 Resp: 635881
Ion Ratio Lower Upper
39 100
54 79.3 63.4 95.0





#17

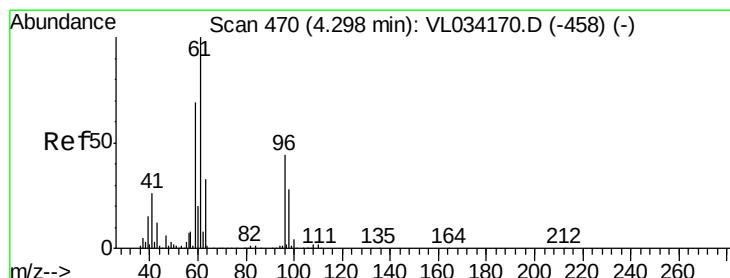
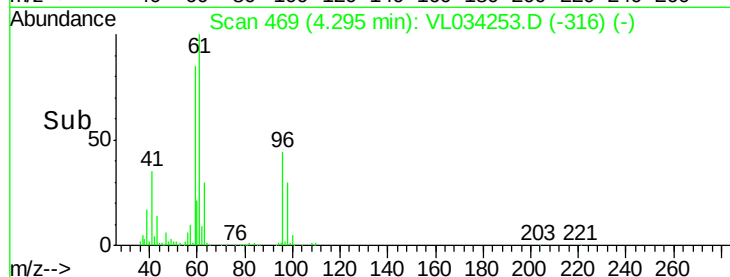
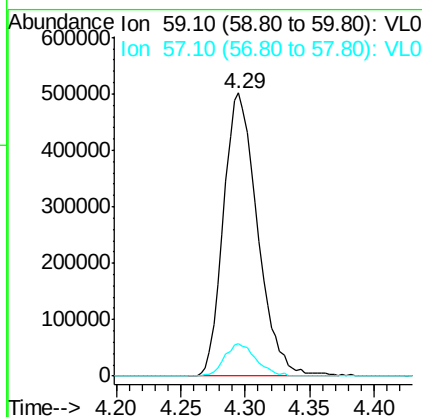
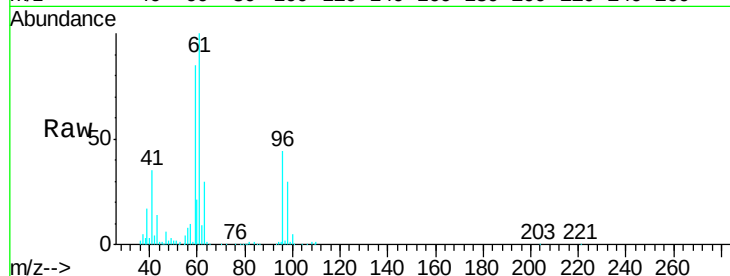
tert-Butyl alcohol
Concen: 10.602 ppbv
RT: 4.29 min Scan# 469
Delta R.T. -0.01 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Instrument :
MSVOA_L
ClientSampleId :
VL1008ABS01

Tgt Ion: 59 Resp: 923037
Ion Ratio Lower Upper
59 100
57 10.8 8.7 13.1

Manual Integrations
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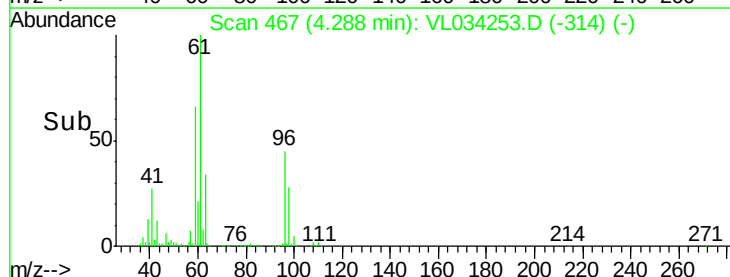
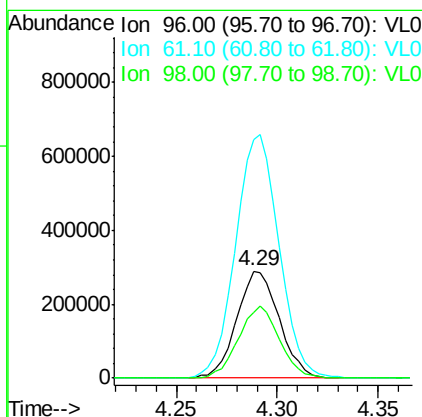
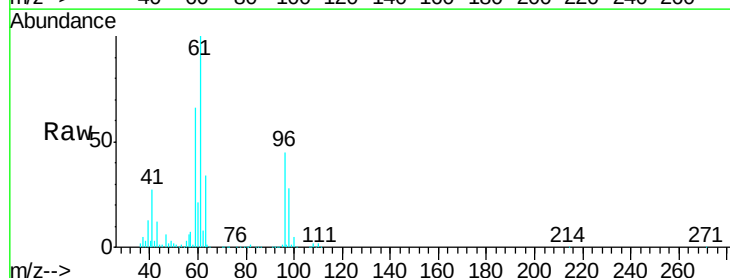
MMDadoda
10/11/2019 5:07:02 PM

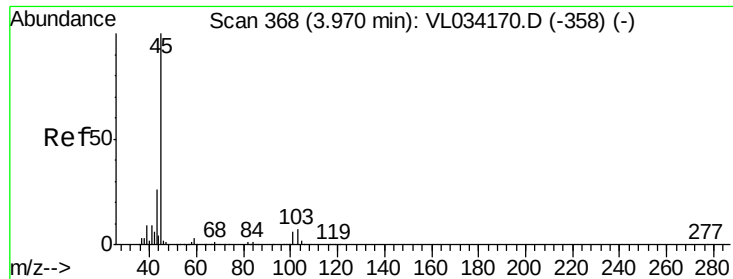


#18

1,1-Dichloroethene
Concen: 10.837 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Tgt Ion: 96 Resp: 426396
Ion Ratio Lower Upper
96 100
61 222.8 183.3 274.9
98 61.4 51.4 77.2





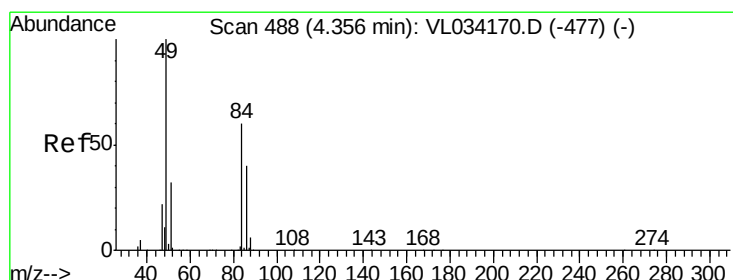
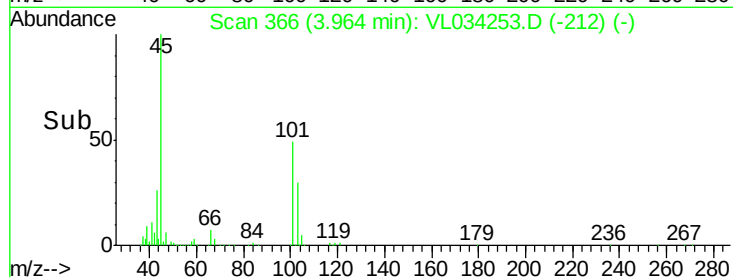
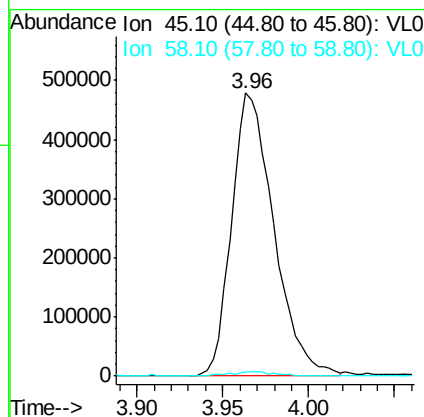
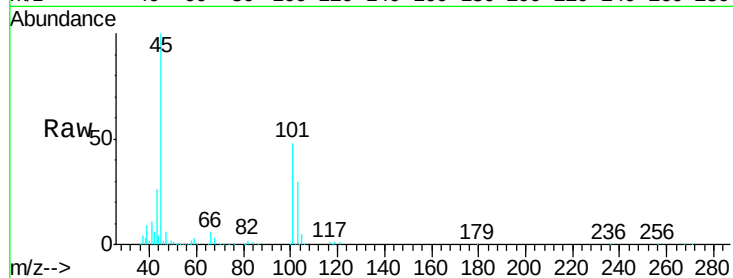
#19
Isopropyl Alcohol
Concen: 9.691 ppbv
RT: 3.96 min Scan# 366
Delta R.T. -0.01 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Instrument :
MSVOA_L
ClientSampleId :
VL1008ABS01

Tgt Ion: 45 Resp: 818835
Ion Ratio Lower Upper
45 100
58 2.0 1.4 2.0

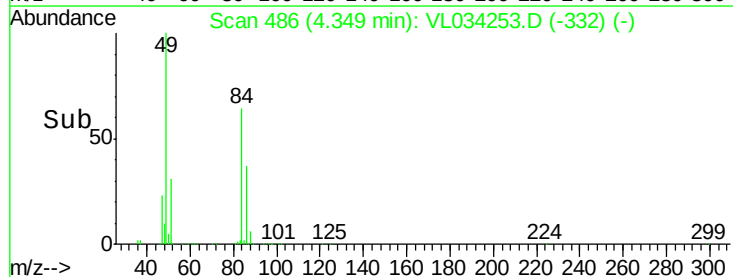
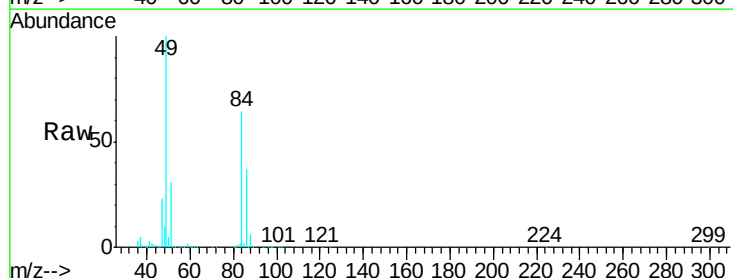
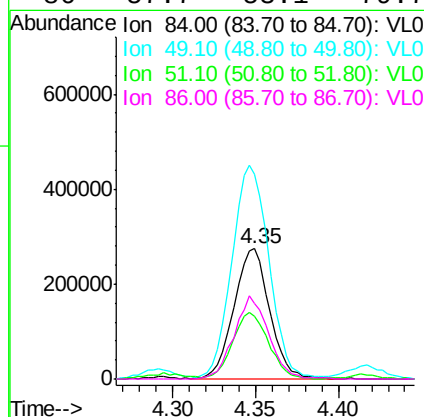
Manual Integrations
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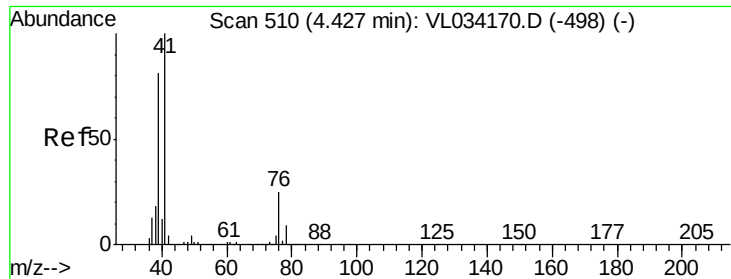
MMDadoda
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#20
Methylene Chloride
Concen: 10.330 ppbv
RT: 4.35 min Scan# 486
Delta R.T. -0.01 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Tgt Ion: 84 Resp: 409270
Ion Ratio Lower Upper
84 100
49 156.1 133.8 200.8
51 47.8 43.6 65.4
86 57.7 53.1 79.7





#21

Allyl Chloride

Concen: 11.018 ppbv

RT: 4.41 min Scan# 506

Delta R.T. -0.01 min

Lab File: VL034253.D

Acq: 8 Oct 2019 17:16

Instrument :

MSVOA_L

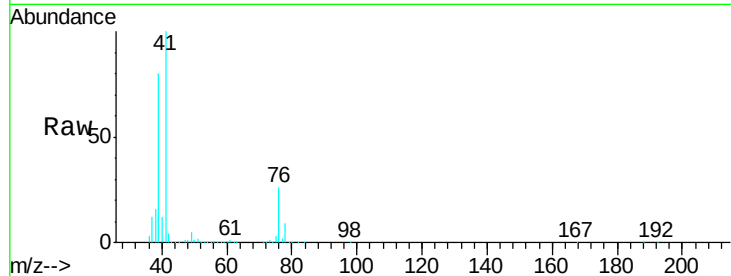
ClientSampleId :

VL1008ABS01

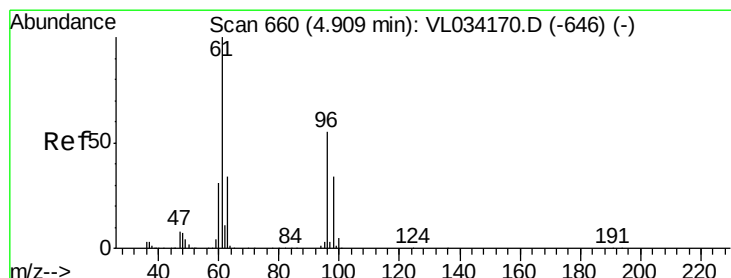
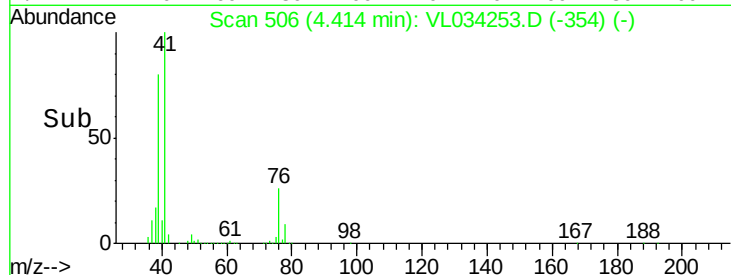
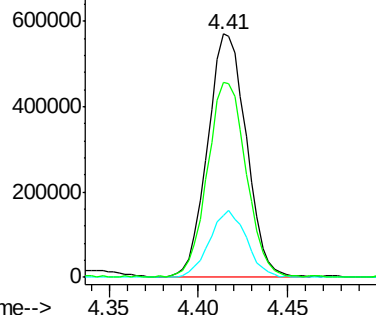
Tgt Ion:	41	Resp:	855112
Ion	Ratio	Lower	Upper
41	100		
76	26.8	21.8	32.6
39	81.3	64.8	97.2

Manual Integrations
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Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 11.233 ppbv

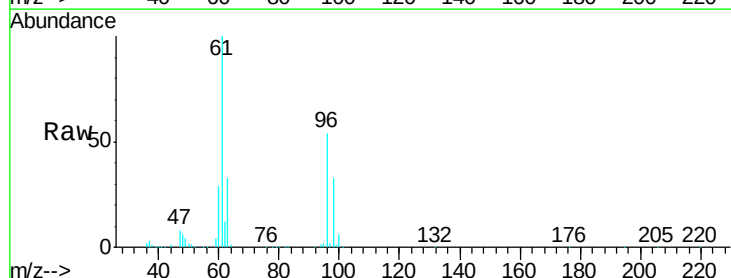
RT: 4.90 min Scan# 656

Delta R.T. -0.01 min

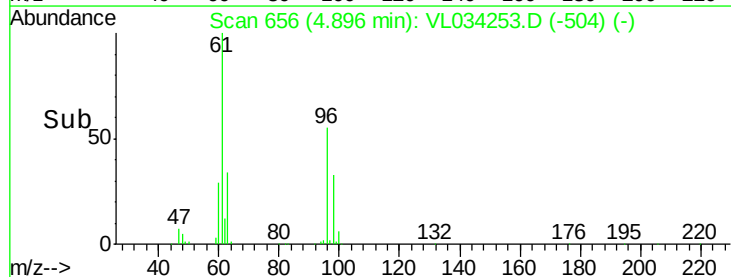
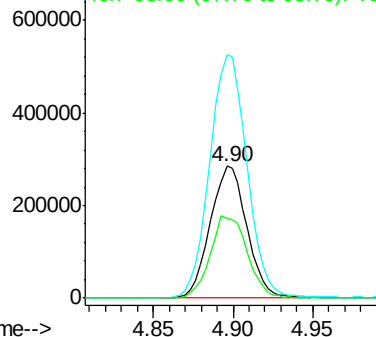
Lab File: VL034253.D

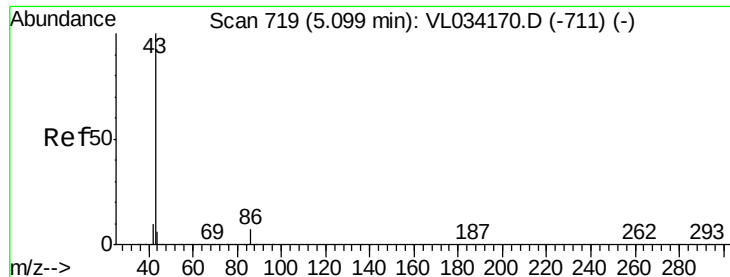
Acq: 8 Oct 2019 17:16

Tgt Ion:	96	Resp:	442230
Ion	Ratio	Lower	Upper
96	100		
61	184.8	145.5	218.3
98	60.7	49.9	74.9



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.959 ppbv

RT: 5.09 min Scan# 716

Delta R.T. -0.01 min

Lab File: VL034253.D

Acq: 8 Oct 2019 17:16

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tgt Ion: 43 Resp: 2016628

Ion Ratio Lower Upper

43 100

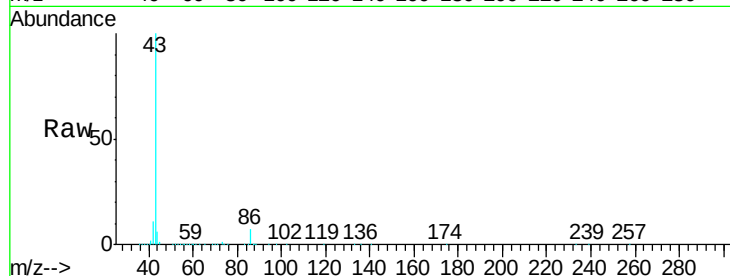
86 7.2 5.1 7.7

42 10.9 8.6 12.8

44 5.8 4.7 7.1

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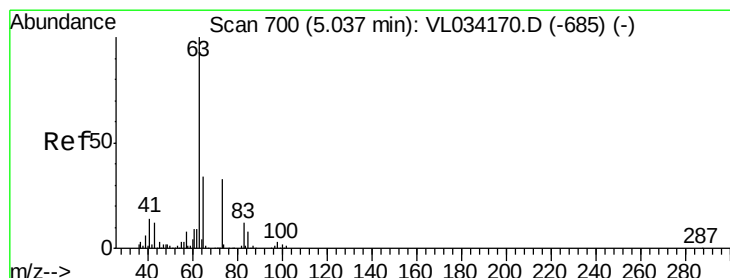
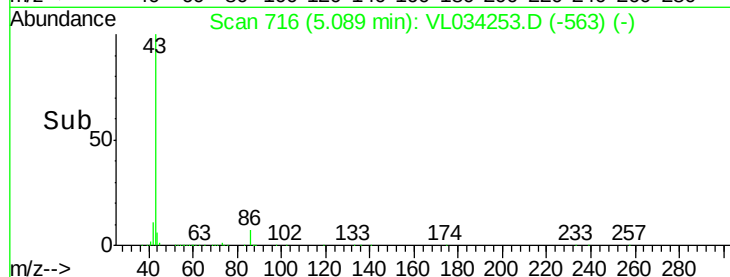
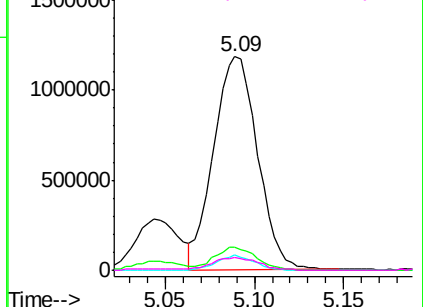


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.935 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.01 min

Lab File: VL034253.D

Acq: 8 Oct 2019 17:16

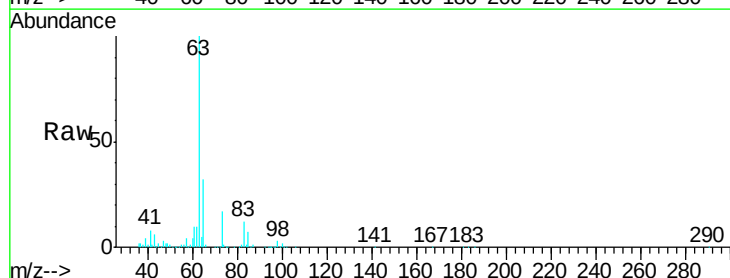
Tgt Ion: 63 Resp: 1354581

Ion Ratio Lower Upper

63 100

98 3.5 1.8 5.3

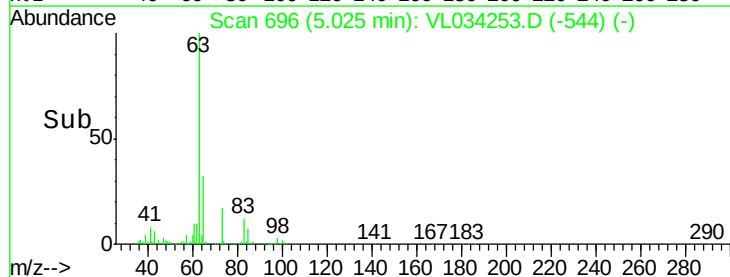
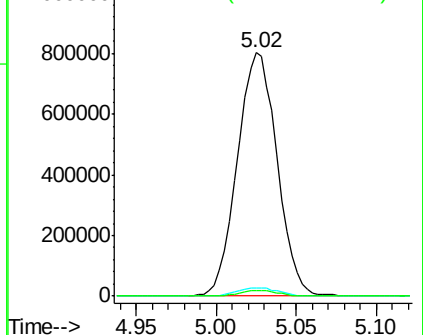
100 2.3 1.0 3.0

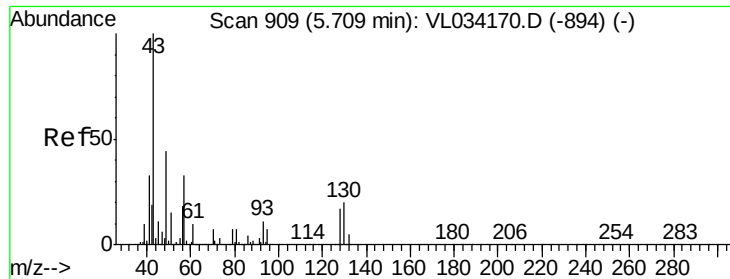


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





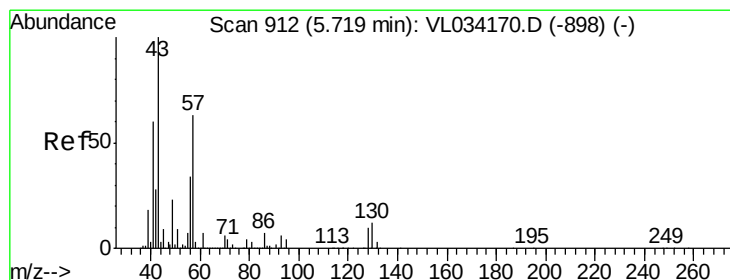
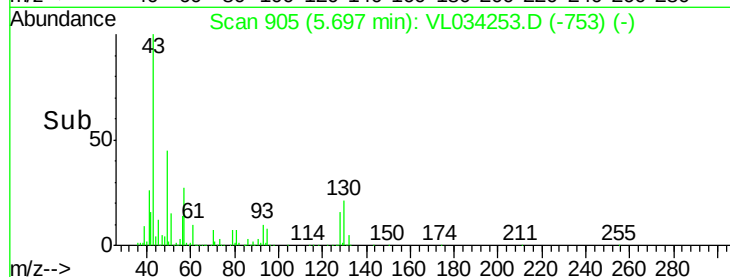
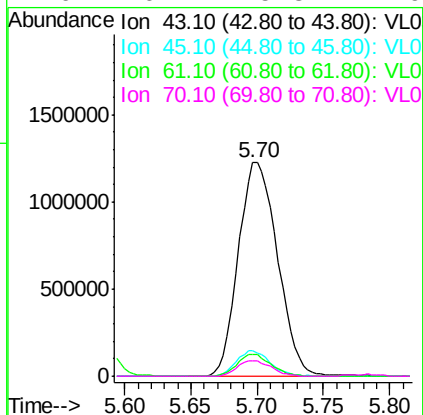
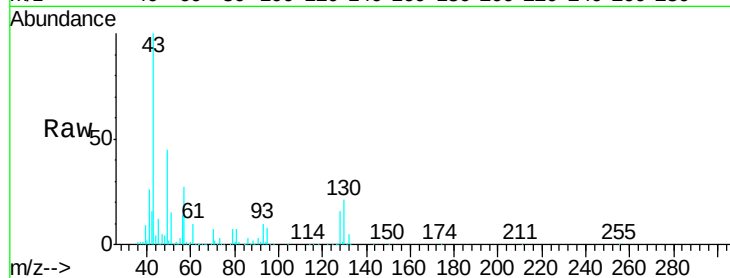
#25
Ethyl Acetate
Concen: 9.705 ppbv
RT: 5.70 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Instrument :
MSVOA_L
ClientSampleId :
VL1008ABS01

Tgt Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.4	12.6
61	9.0	7.2	10.8
70	6.4	5.3	7.9

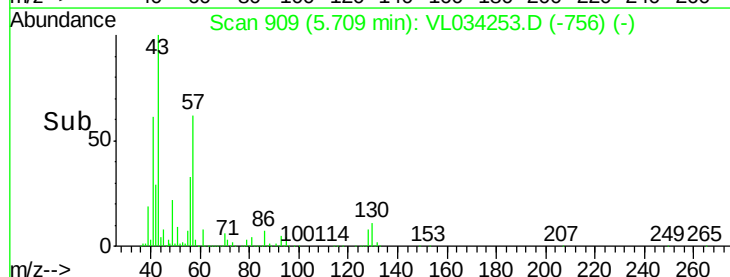
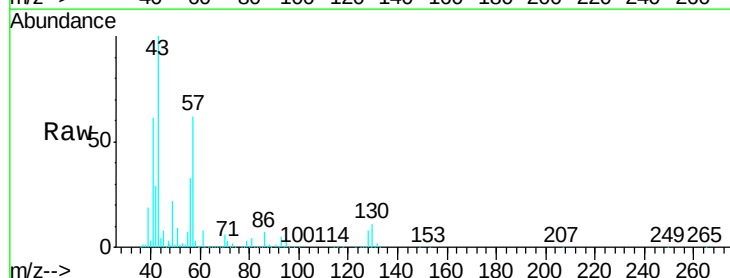
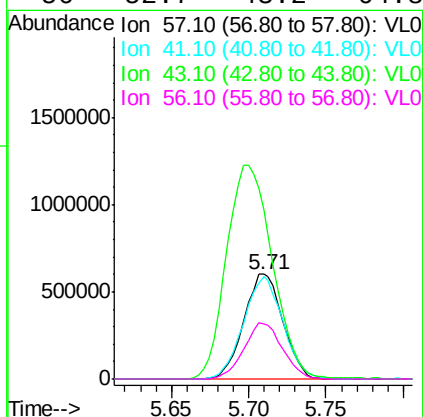
Manual Integrations
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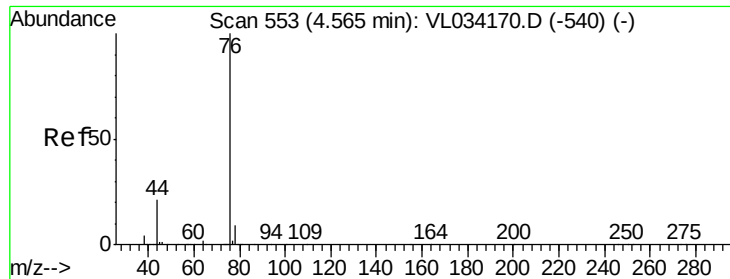
MMDadoda
10/11/2019 5:07:02 PM



#26
Hexane
Concen: 9.791 ppbv
RT: 5.71 min Scan# 909
Delta R.T. -0.01 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Tgt Ion	Ratio	Lower	Upper
57	100		
41	98.4	78.5	117.7
43	238.4	189.5	284.3
56	52.7	43.2	64.8





#27

Carbon Disulfide

Concen: 11.548 ppbv

RT: 4.56 min Scan# 550

Delta R.T. -0.01 min

Lab File: VL034253.D

Acq: 8 Oct 2019 17:16

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tgt Ion: 76 Resp: 1151176

Ion Ratio Lower Upper

76 100

44 21.8 17.6 26.4

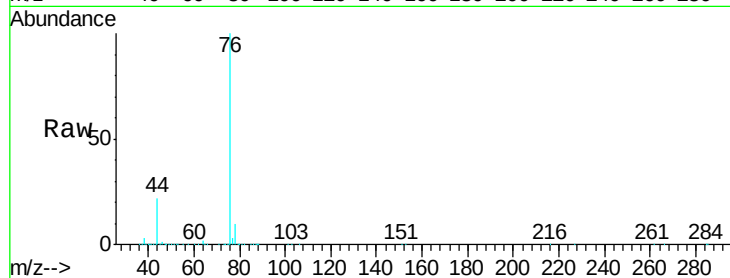
78 9.4 7.6 11.4

Manual Integrations

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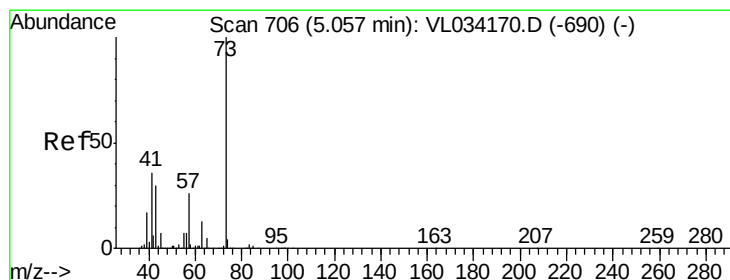
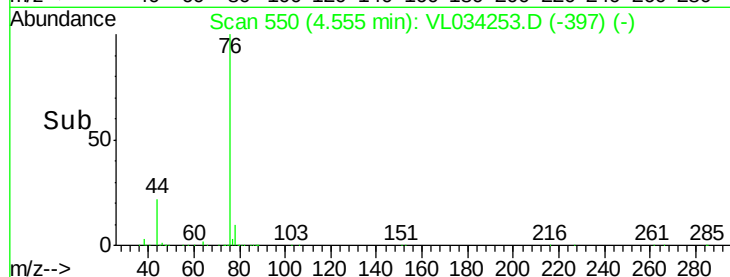
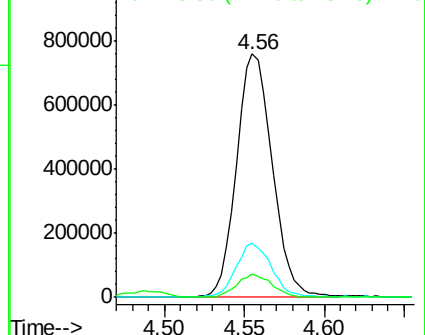
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.219 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.01 min

Lab File: VL034253.D

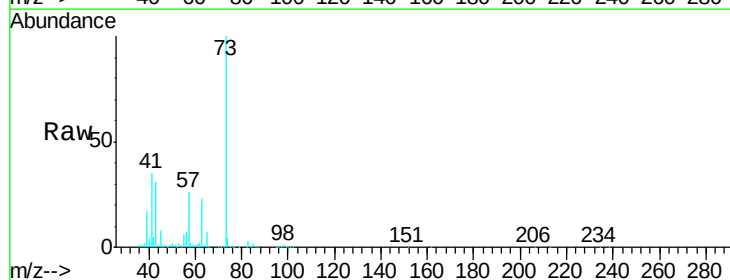
Acq: 8 Oct 2019 17:16

Tgt Ion: 73 Resp: 1640457

Ion Ratio Lower Upper

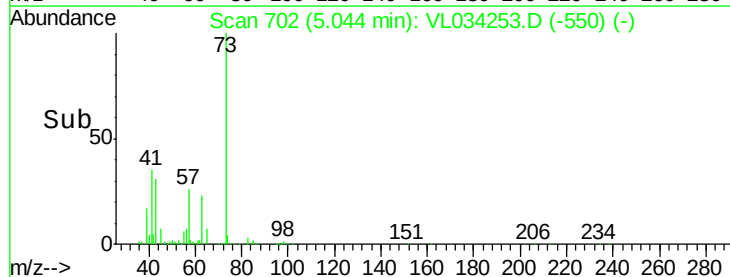
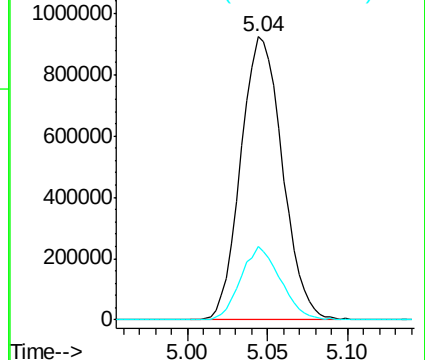
73 100

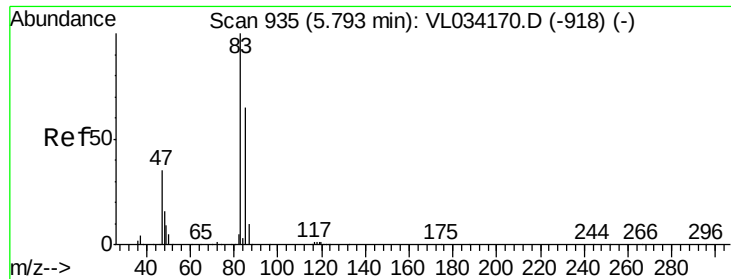
57 24.9 20.2 30.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





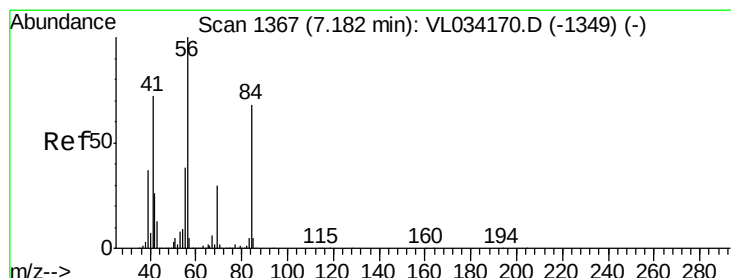
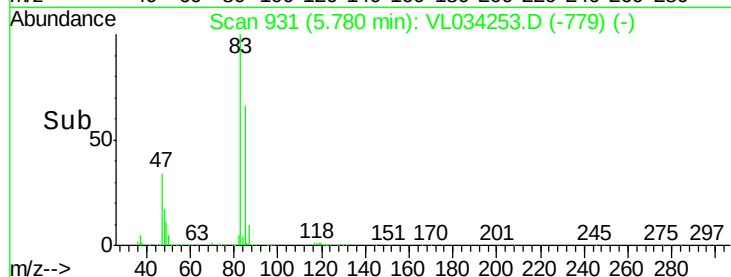
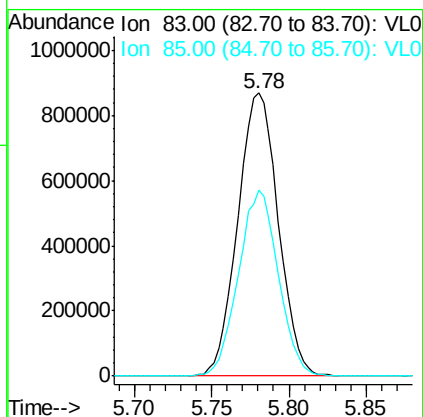
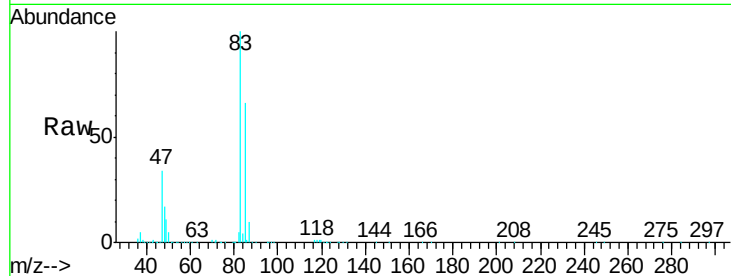
#29
Chloroform
Concen: 10.215 ppbv
RT: 5.78 min Scan# 931
Delta R.T. -0.01 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Instrument :
MSVOA_L
ClientSampleId :
VL1008ABS01

Tgt Ion: 83 Resp: 1577824
Ion Ratio Lower Upper
83 100
85 66.0 52.3 78.5

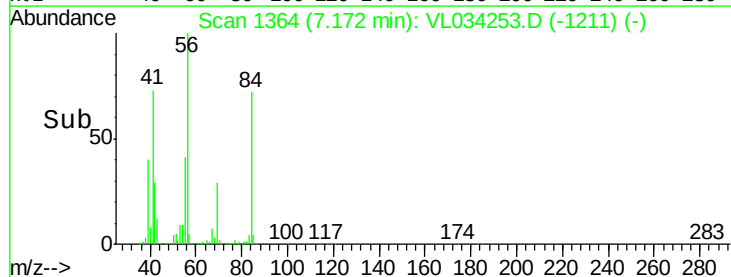
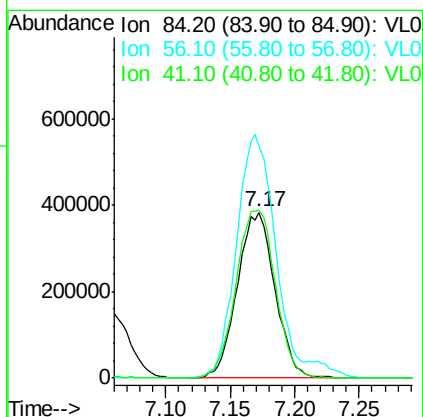
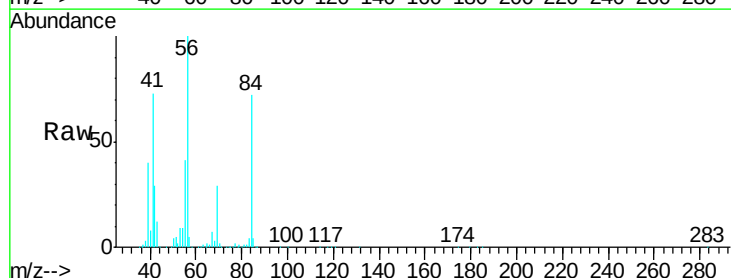
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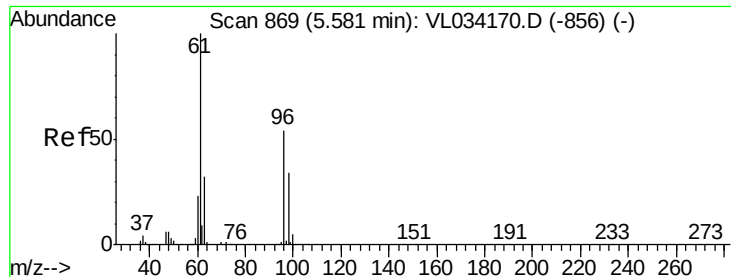
MMDadoda
10/11/2019 5:07:02 PM



#30
Cyclohexane
Concen: 9.945 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Tgt Ion: 84 Resp: 776096
Ion Ratio Lower Upper
84 100
56 157.2 126.2 189.2
41 106.7 85.8 128.8





#31

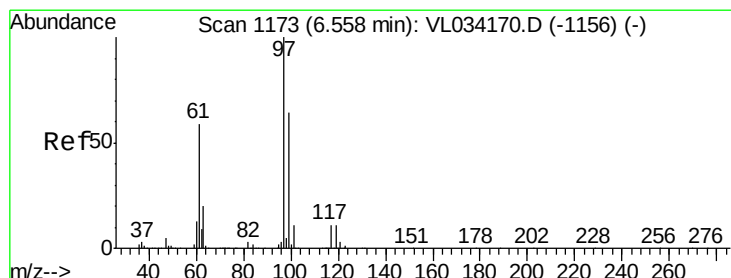
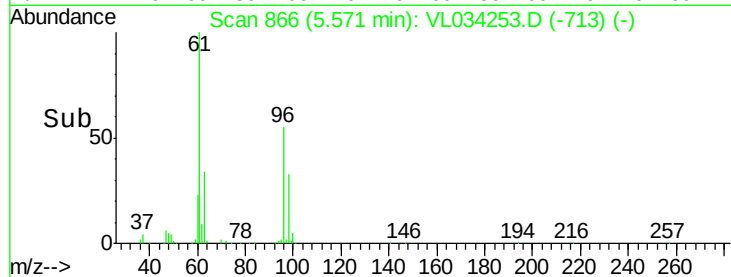
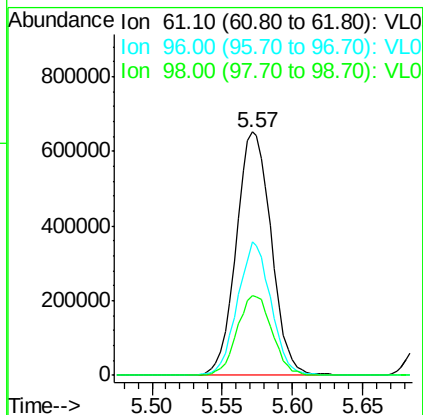
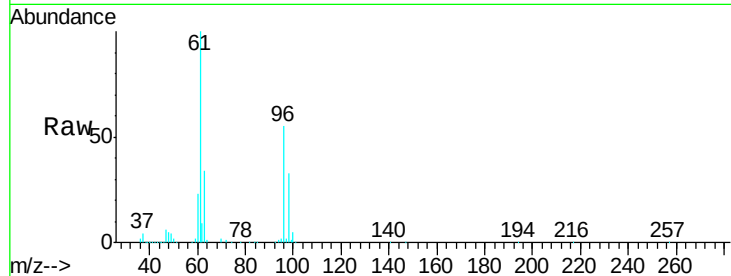
cis-1,2-Dichloroethene
Concen: 10.288 ppbv
RT: 5.57 min Scan# 866
Delta R.T. -0.01 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Instrument :
MSVOA_L
ClientSampleId :
VL1008ABS01

Tgt Ion	Ratio	Lower	Upper
61	100		
96	55.0	43.0	64.4
98	32.7	27.2	40.8

Manual Integrations
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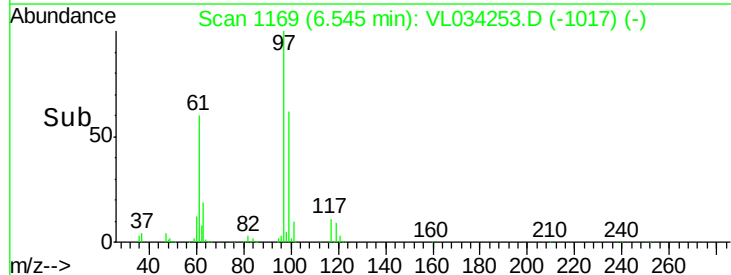
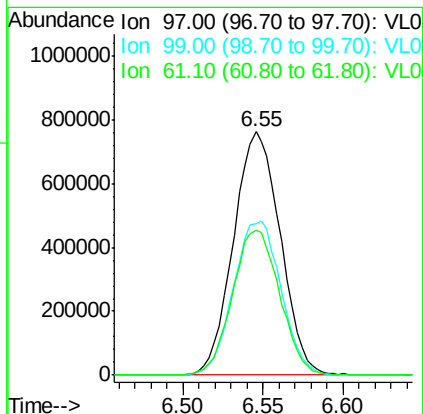
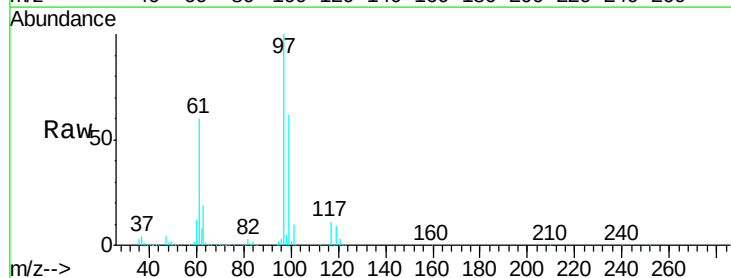
MMDadoda
10/11/2019 5:07:02 PM

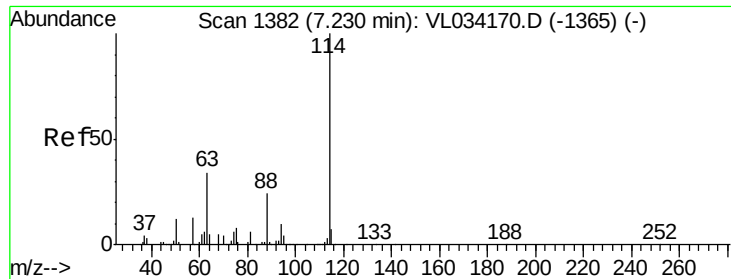


#32

1,1,1-Trichloroethane
Concen: 10.164 ppbv
RT: 6.55 min Scan# 1169
Delta R.T. -0.01 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.2
61	60.4	48.4	72.6





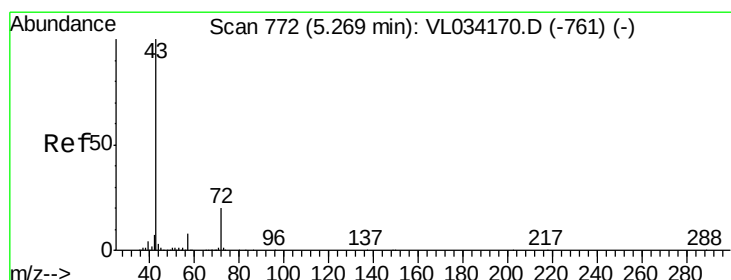
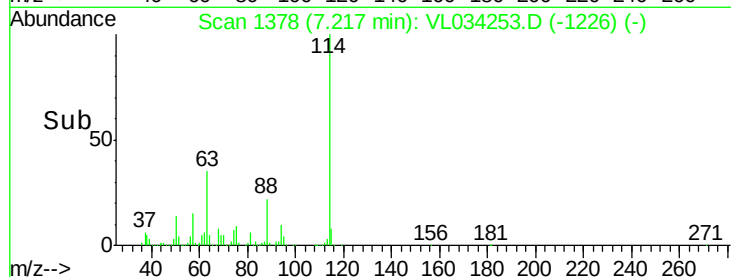
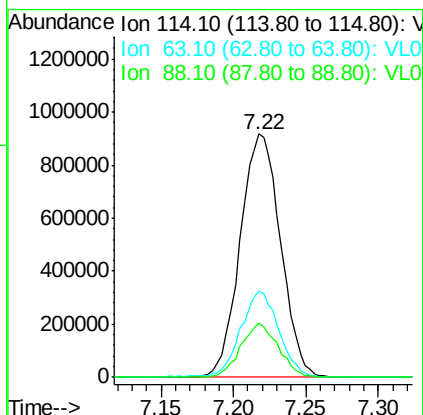
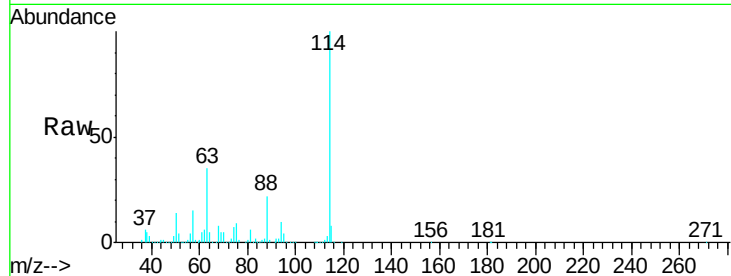
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1378
 Delta R.T. -0.01 min
 Lab File: VL034253.D
 Acq: 8 Oct 2019 17:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1008ABS01

Tgt Ion: 114 Resp: 1773575
 Ion Ratio Lower Upper
 114 100
 63 34.2 27.8 41.6
 88 20.7 17.1 25.7

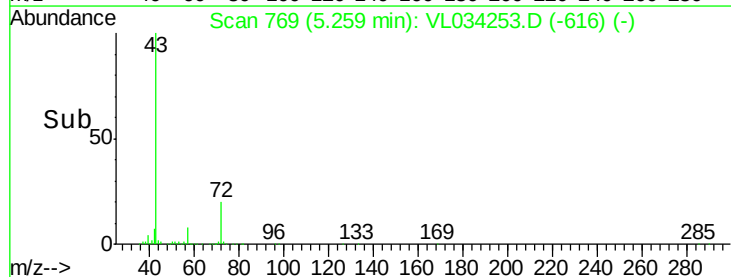
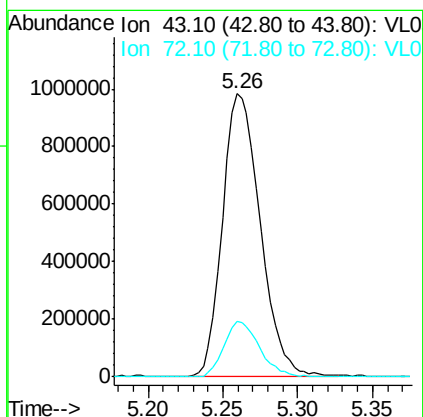
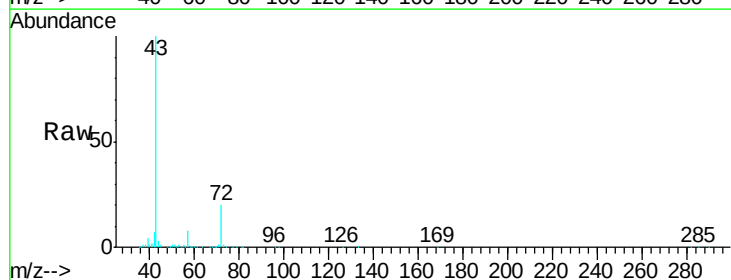
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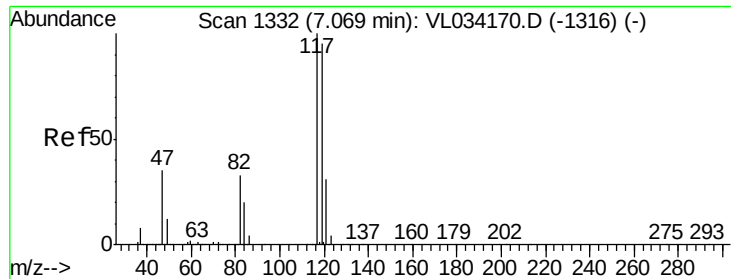
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#34
 2-Butanone
 Concen: 9.532 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. -0.01 min
 Lab File: VL034253.D
 Acq: 8 Oct 2019 17:16

Tgt Ion: 43 Resp: 1726245
 Ion Ratio Lower Upper
 43 100
 72 18.6 15.0 22.6





#35

Carbon Tetrachloride

Concen: 10.529 ppbv

RT: 7.06 min Scan# 1328

Delta R.T. -0.01 min

Lab File: VL034253.D

Acq: 8 Oct 2019 17:16

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tgt Ion: 117 Resp: 1551439

Ion Ratio Lower Upper

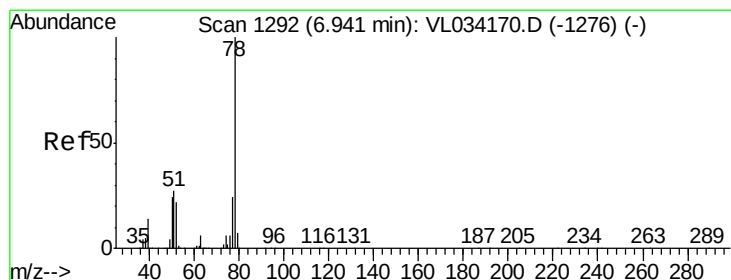
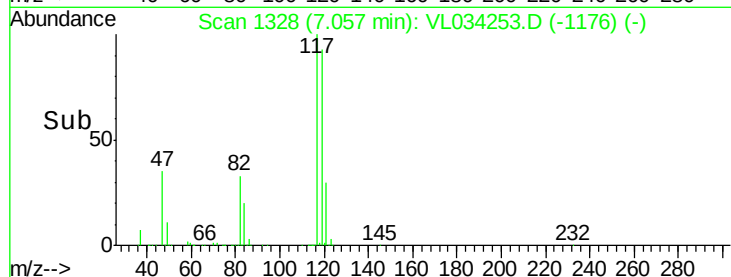
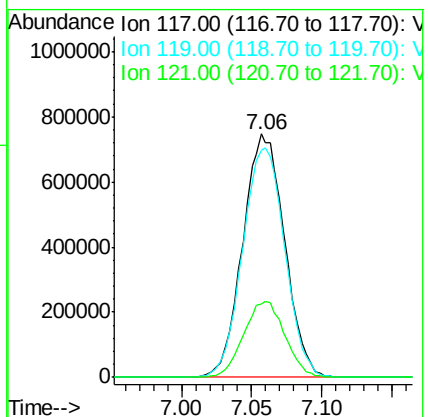
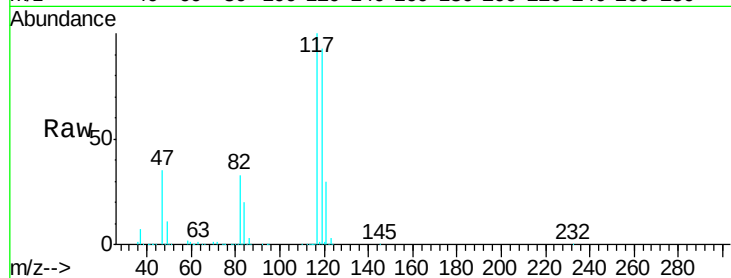
117 100

119 93.1 75.8 113.6

121 30.3 25.0 37.6

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#36

Benzene

Concen: 9.643 ppbv

RT: 6.93 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VL034253.D

Acq: 8 Oct 2019 17:16

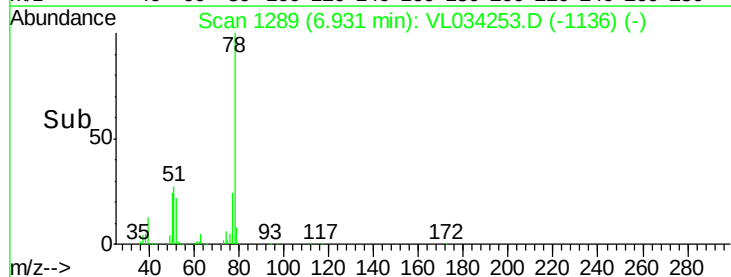
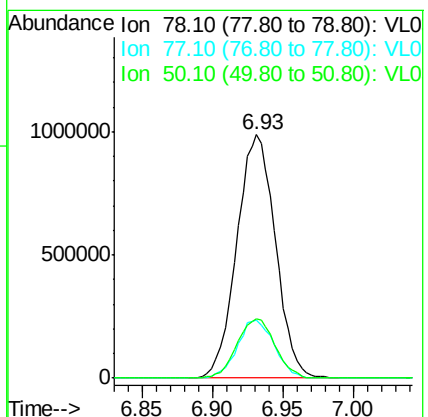
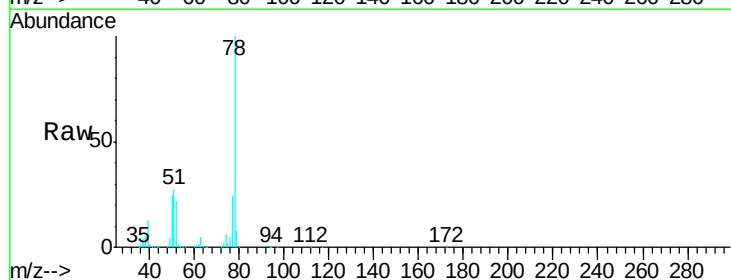
Tgt Ion: 78 Resp: 1888968

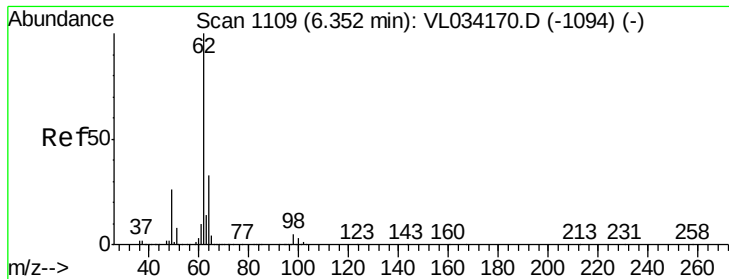
Ion Ratio Lower Upper

78 100

77 23.6 19.0 28.4

50 24.3 18.9 28.3





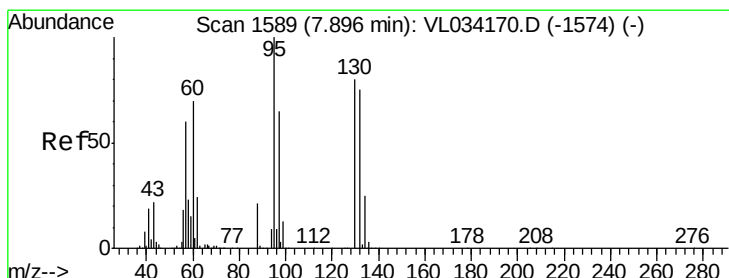
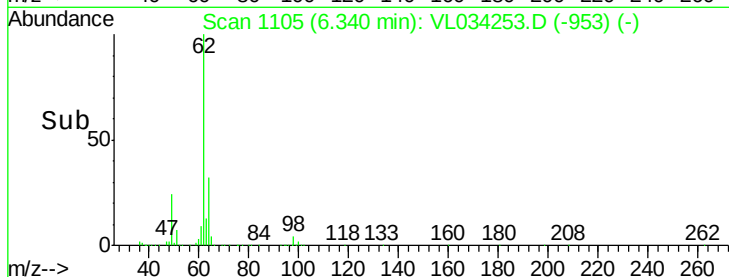
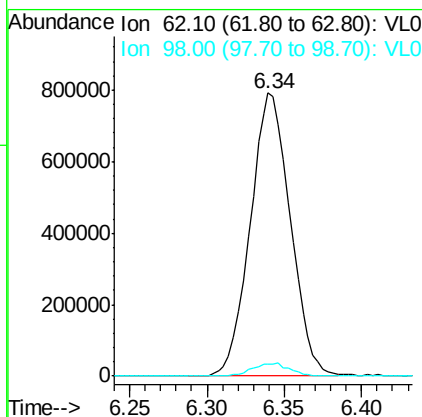
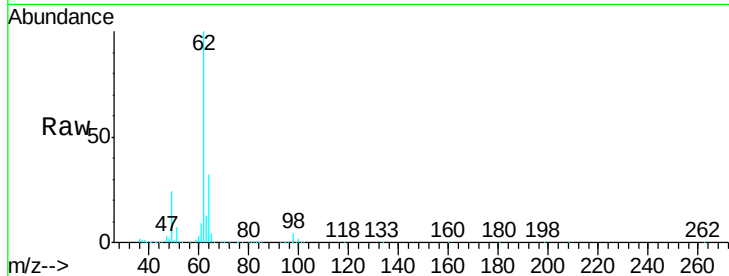
#37
 1,2-Dichloroethane
 Concen: 10.240 ppbv
 RT: 6.34 min Scan# 1105
 Delta R.T. -0.01 min
 Lab File: VL034253.D
 Acq: 8 Oct 2019 17:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1008ABS01

Tgt Ion: 62 Resp: 1426708
 Ion Ratio Lower Upper
 62 100
 98 4.4 3.8 5.8

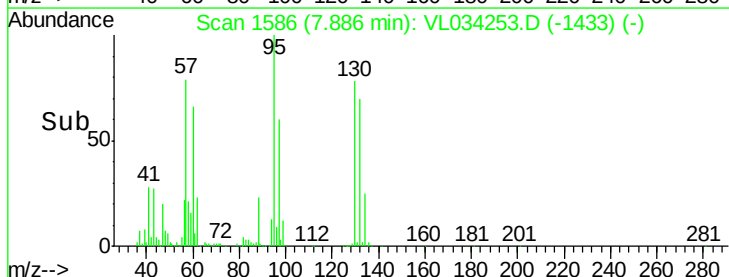
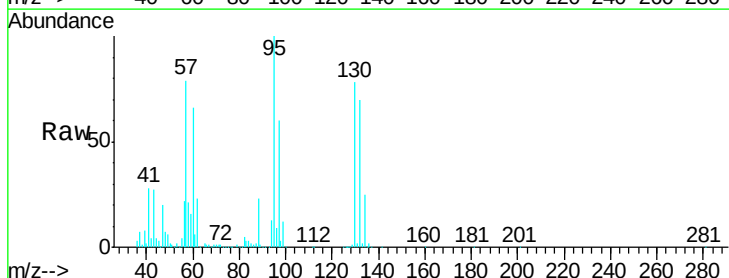
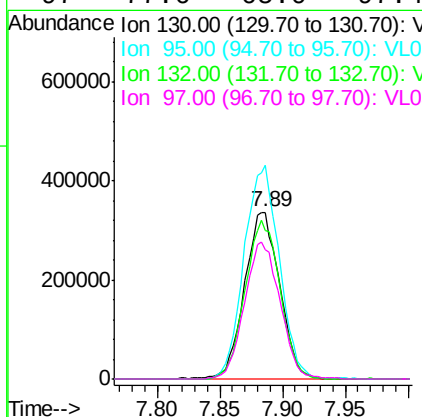
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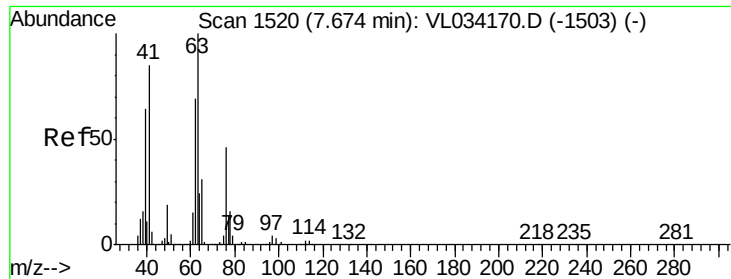
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#38
 Trichloroethene
 Concen: 9.355 ppbv
 RT: 7.89 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VL034253.D
 Acq: 8 Oct 2019 17:16

Tgt Ion: 130 Resp: 654740
 Ion Ratio Lower Upper
 130 100
 95 128.3 99.8 149.6
 132 89.6 75.2 112.8
 97 77.6 65.0 97.4





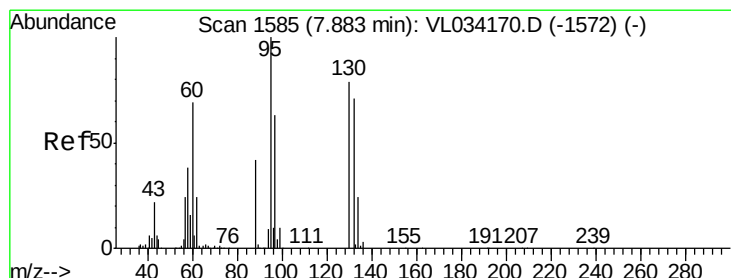
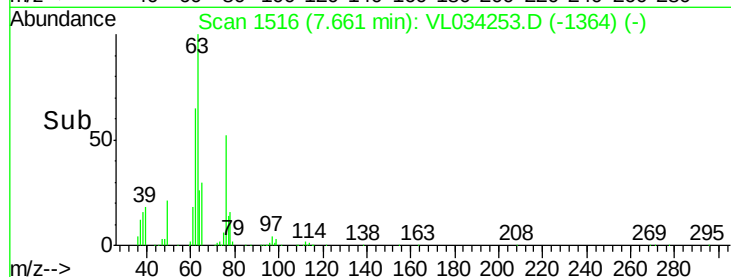
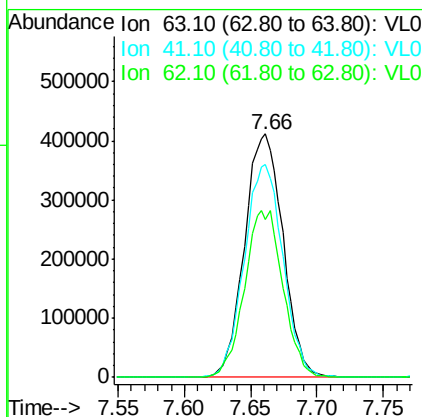
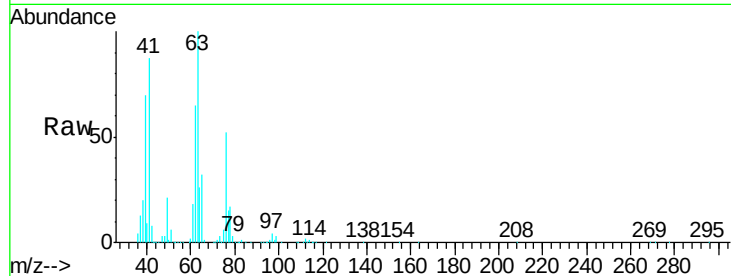
#39
 1,2-Dichloropropane
 Concen: 9.427 ppbv
 RT: 7.66 min Scan# 1516
 Delta R.T. -0.01 min
 Lab File: VL034253.D
 Acq: 8 Oct 2019 17:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1008ABS01

Tgt Ion	Ratio	Lower	Upper
63	100		
41	87.4	68.4	102.6
62	64.9	55.4	83.2

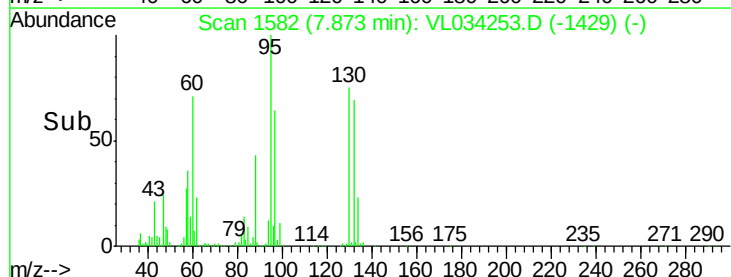
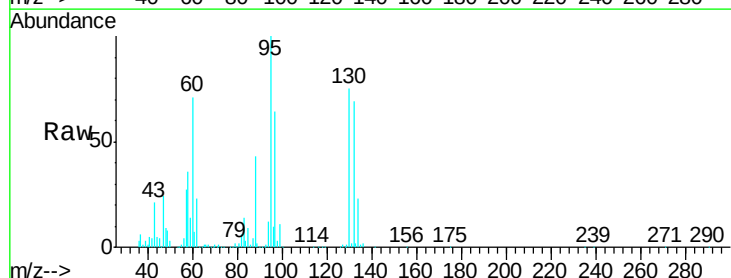
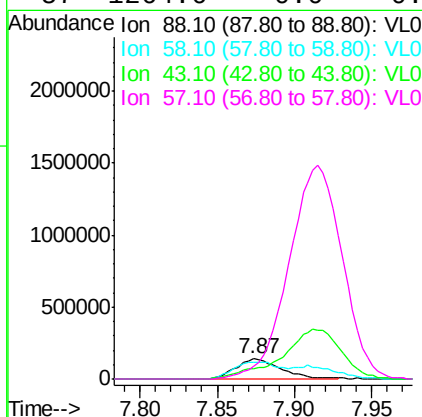
Manual Integrations
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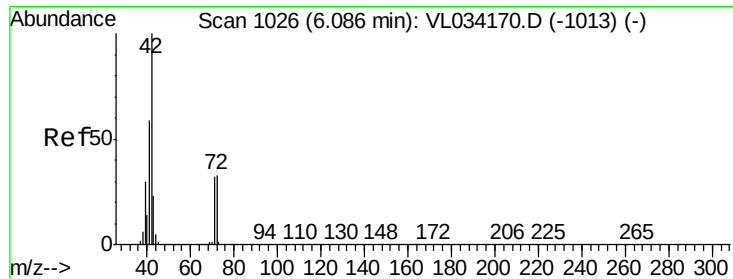
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#40
 1,4-Dioxane
 Concen: 9.921 ppbv
 RT: 7.87 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: VL034253.D
 Acq: 8 Oct 2019 17:16

Tgt Ion	Ratio	Lower	Upper
88	100		
58	149.6	131.8	197.6
43	327.4	0.0	0.0#
57	1264.6	0.0	0.0#





#41

Tetrahydrofuran

Concen: 9.727 ppbv

RT: 6.08 min Scan# 1023

Delta R.T. -0.01 min

Lab File: VL034253.D

Acq: 8 Oct 2019 17:16

Instrument :

MSVOA_L

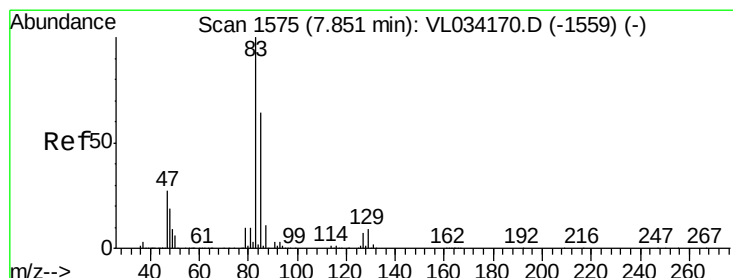
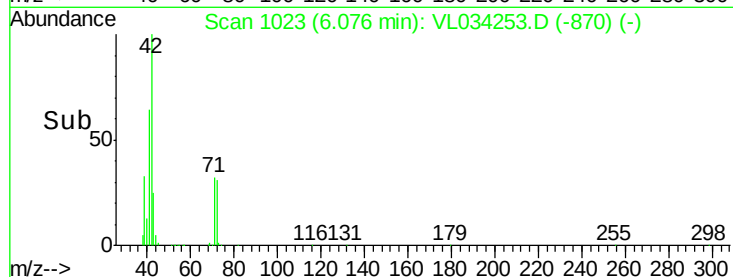
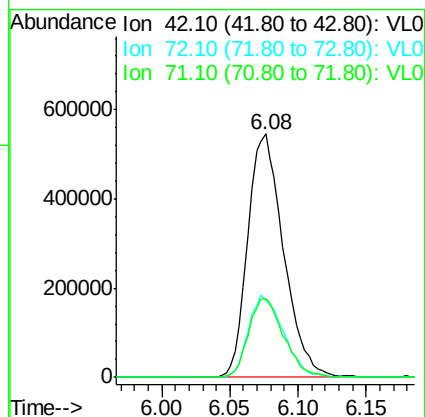
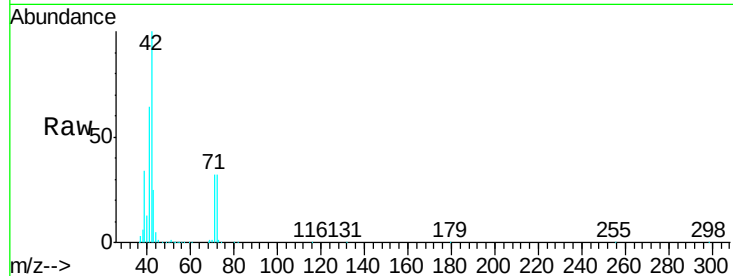
ClientSampleId :

VL1008ABS01

Tgt Ion:	42	Resp:	992093
Ion Ratio	Lower	Upper	
42	100		
72	33.0	26.6	40.0
71	31.9	25.1	37.7

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#42

Bromodichloromethane

Concen: 10.361 ppbv

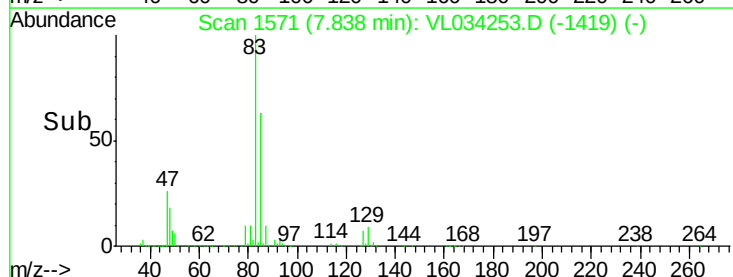
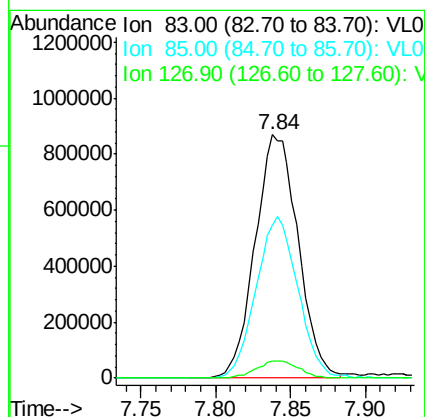
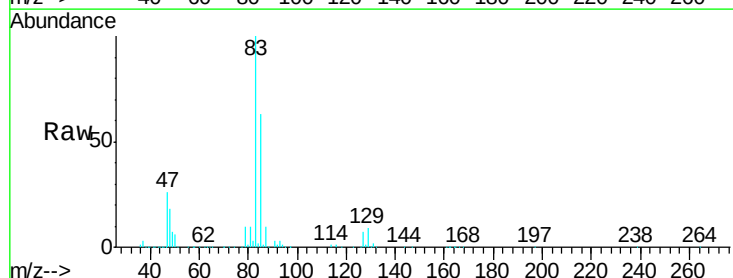
RT: 7.84 min Scan# 1571

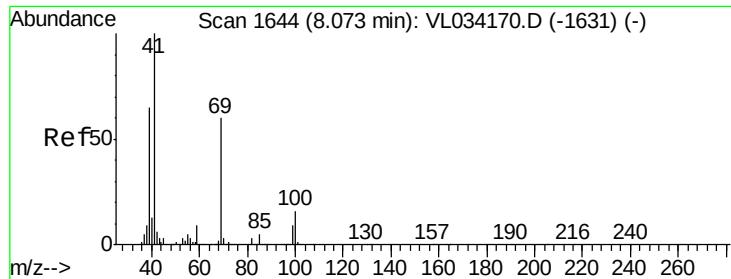
Delta R.T. -0.01 min

Lab File: VL034253.D

Acq: 8 Oct 2019 17:16

Tgt Ion:	83	Resp:	1732479
Ion Ratio	Lower	Upper	
83	100		
85	62.6	51.4	77.0
127	7.2	5.5	8.3





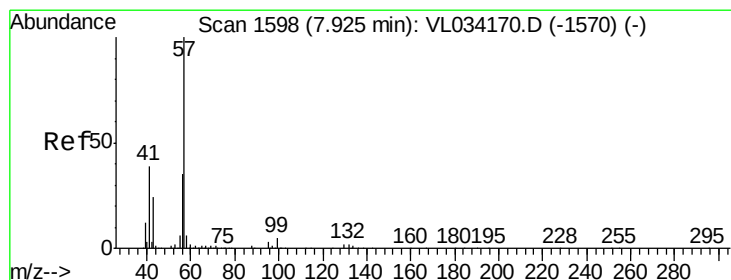
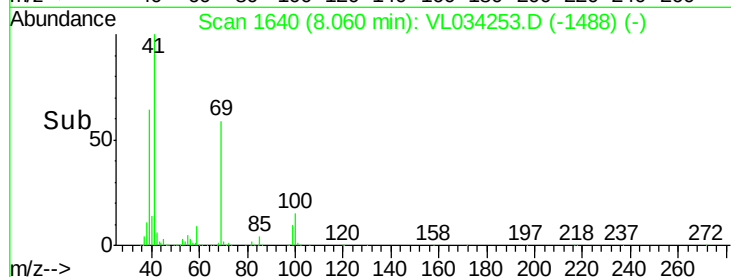
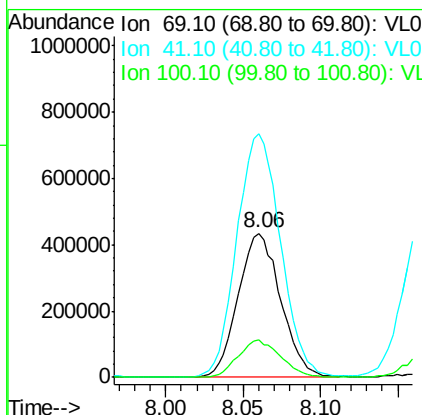
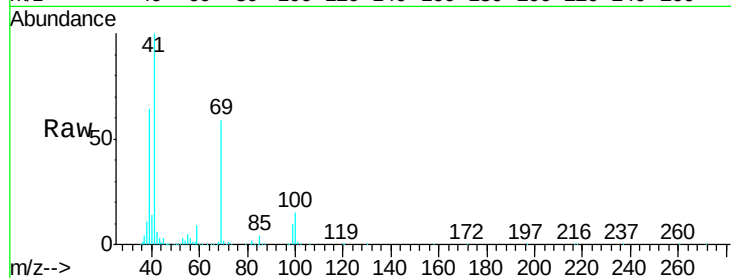
#43
Methyl Methacrylate
Concen: 10.262 ppbv
RT: 8.06 min Scan# 1640
Delta R.T. -0.01 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Instrument :
MSVOA_L
ClientSampleId :
VL1008ABS01

Tgt Ion	Ratio	Lower	Upper
69	100		
41	174.3	140.4	210.6
100	25.9	21.9	32.9

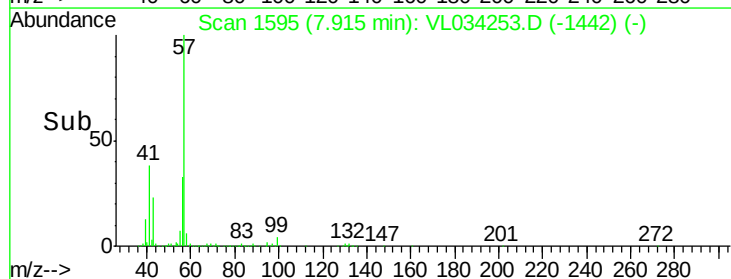
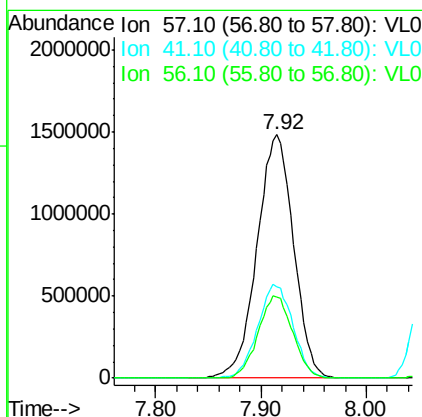
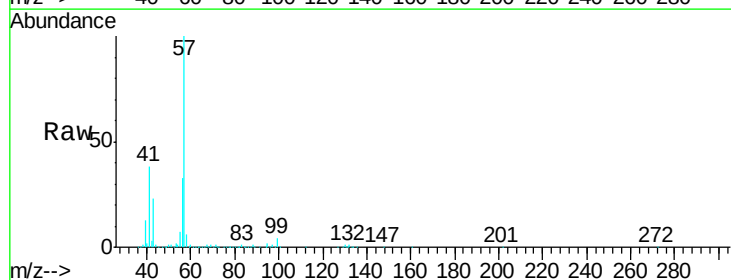
Manual Integrations
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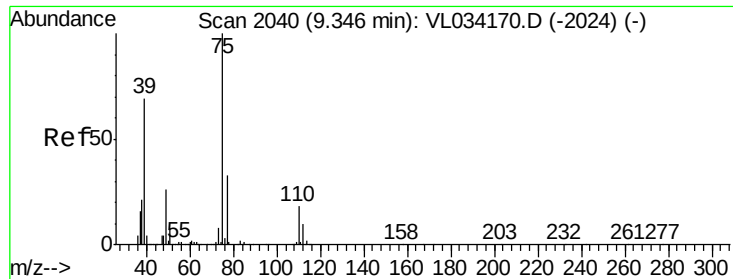
MMDadoda
10/11/2019 5:07:02 PM



#44
2,2,4-Trimethylpentane
Concen: 9.465 ppbv
RT: 7.92 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Tgt Ion	Ratio	Lower	Upper
57	100		
41	37.2	29.8	44.6
56	32.0	25.9	38.9





#45

t-1,3-Dichloropropene

Concen: 11.546 ppbv

RT: 9.34 min Scan# 2037

Delta R.T. -0.01 min

Lab File: VL034253.D

Acq: 8 Oct 2019 17:16

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tgt Ion: 75 Resp: 1104696

Ion Ratio Lower Upper

75 100

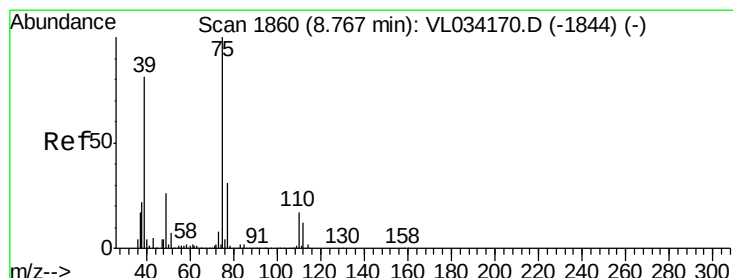
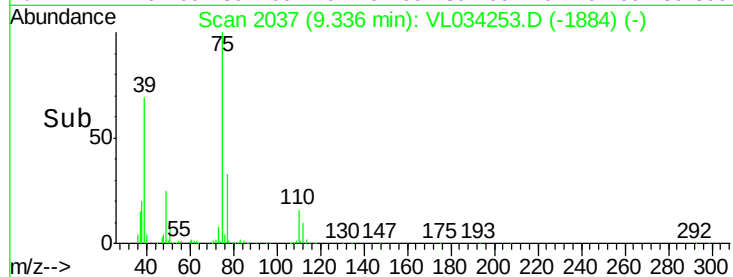
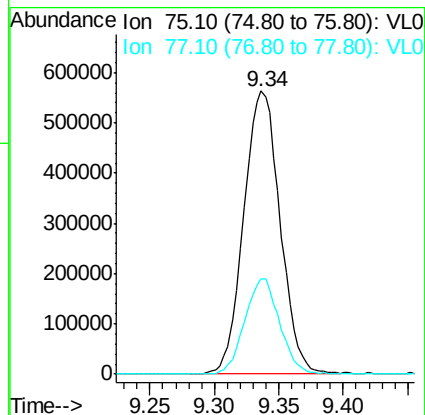
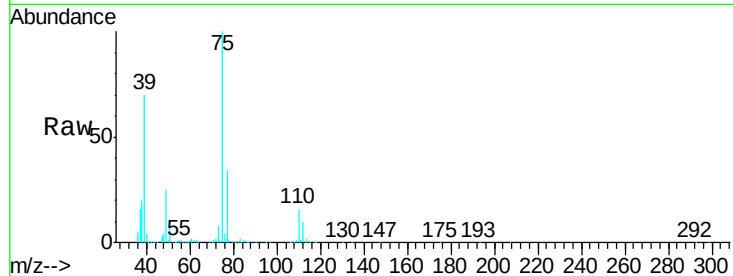
77 33.6 26.2 39.2

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#46

cis-1,3-Dichloropropene

Concen: 10.720 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. -0.01 min

Lab File: VL034253.D

Acq: 8 Oct 2019 17:16

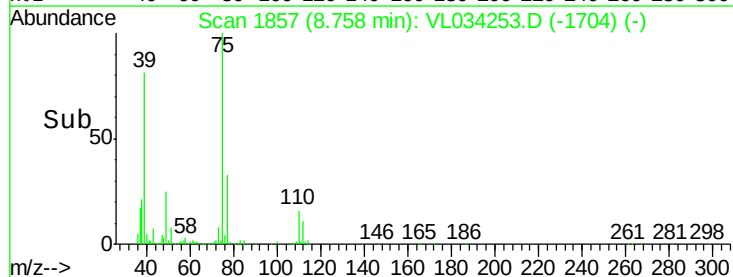
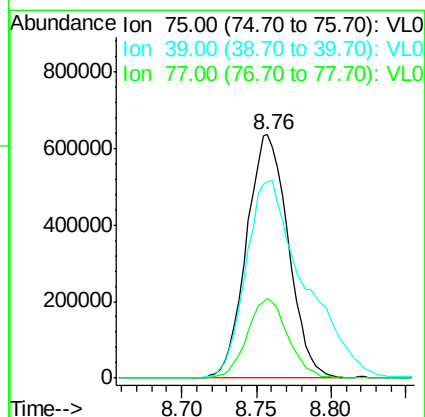
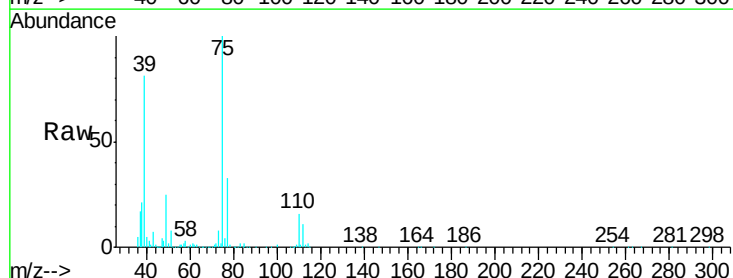
Tgt Ion: 75 Resp: 1233793

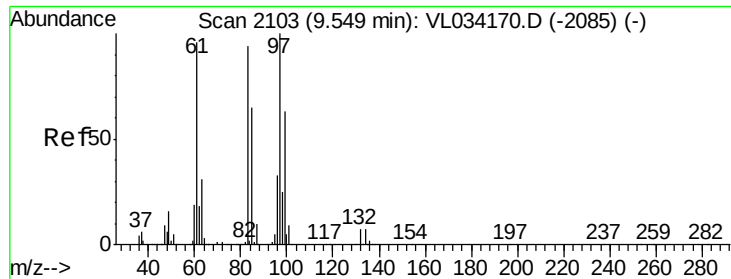
Ion Ratio Lower Upper

75 100

39 80.5 65.0 97.4

77 32.7 24.5 36.7





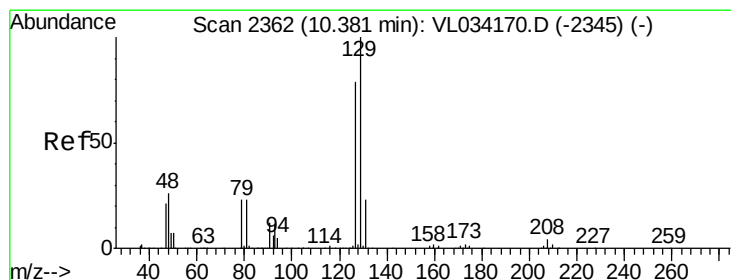
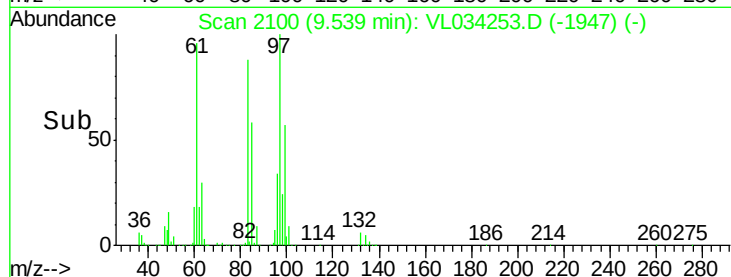
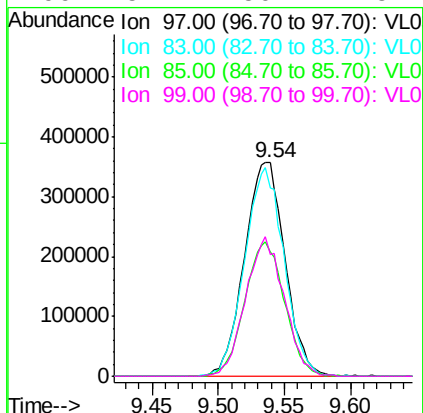
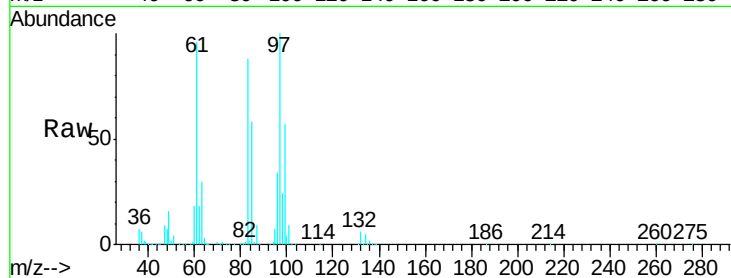
#47
 1,1,2-Trichloroethane
 Concen: 9.639 ppbv
 RT: 9.54 min Scan# 2100
 Delta R.T. -0.01 min
 Lab File: VL034253.D
 Acq: 8 Oct 2019 17:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1008ABS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.0	75.3	112.9
85	58.1	52.1	78.1
99	57.2	50.2	75.2

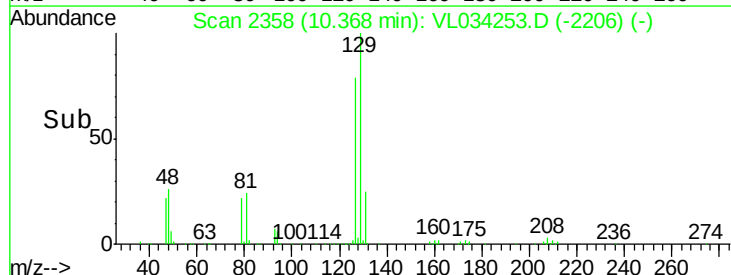
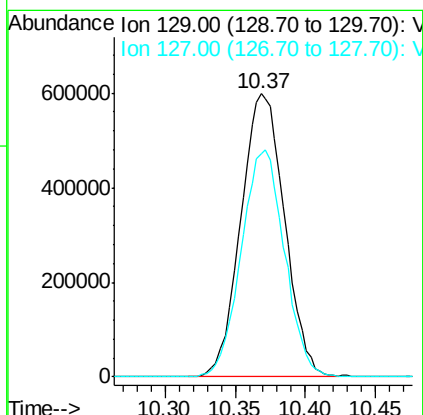
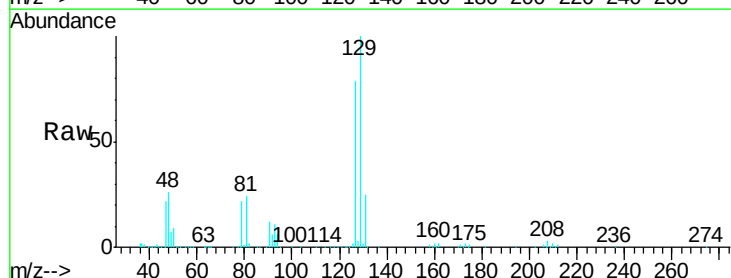
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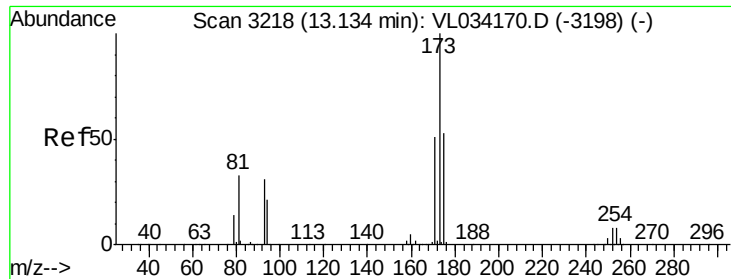
MMDadoda
 10/11/2019 5:07:02 PM



#48
 Dibromochloromethane
 Concen: 10.377 ppbv
 RT: 10.37 min Scan# 2358
 Delta R.T. -0.01 min
 Lab File: VL034253.D
 Acq: 8 Oct 2019 17:16

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.4	39.2	117.6





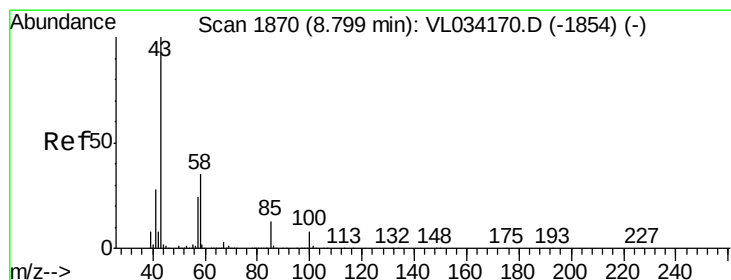
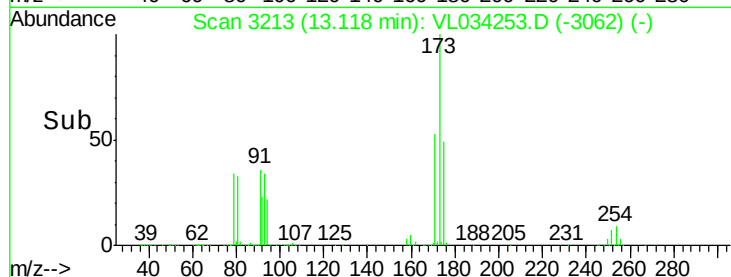
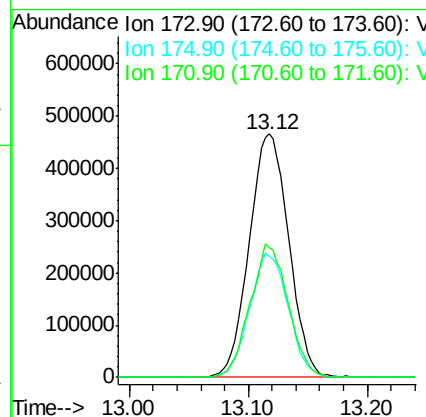
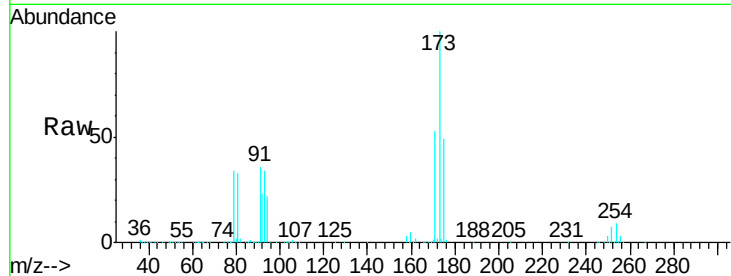
#49
Bromoform
Concen: 10.536 ppbv
RT: 13.12 min Scan# 3213
Delta R.T. -0.02 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Instrument :
MSVOA_L
ClientSampleId :
VL1008ABS01

Tgt Ion: 173 Resp: 1067936
Ion Ratio Lower Upper
173 100
175 50.1 40.3 60.5
171 52.9 42.0 63.0

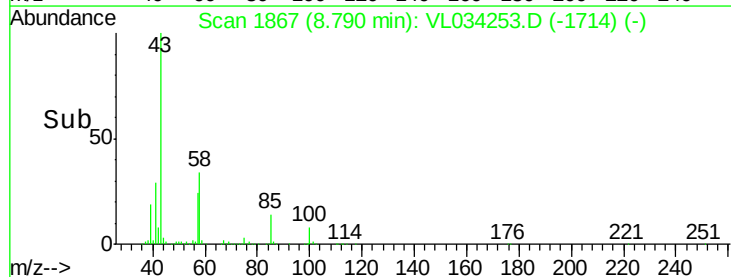
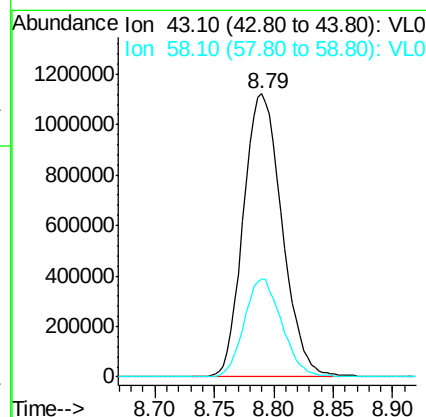
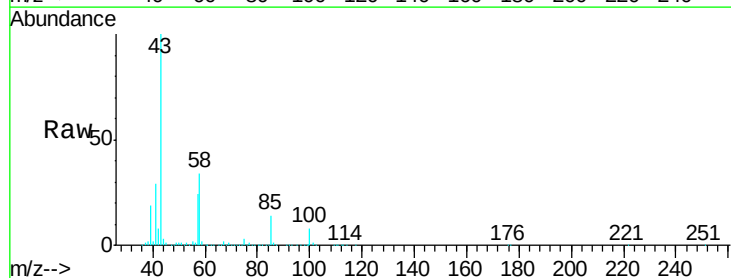
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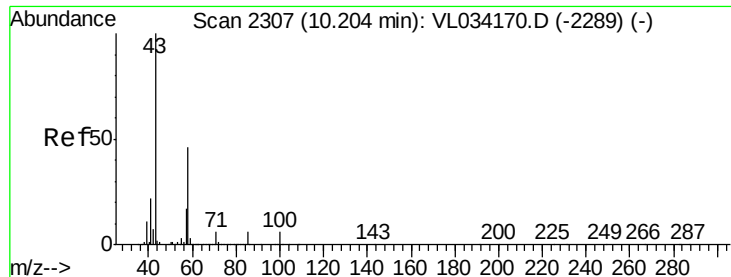
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 9.592 ppbv
RT: 8.79 min Scan# 1867
Delta R.T. -0.01 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Tgt Ion: 43 Resp: 2527957
Ion Ratio Lower Upper
43 100
58 33.7 27.6 41.4





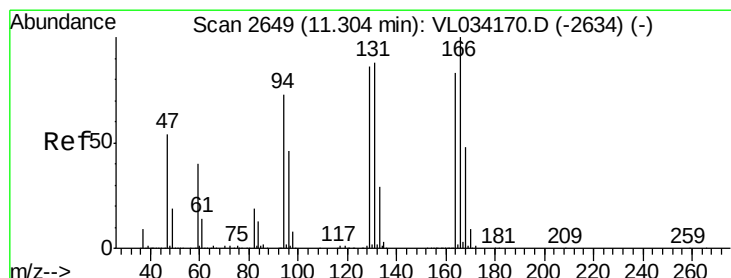
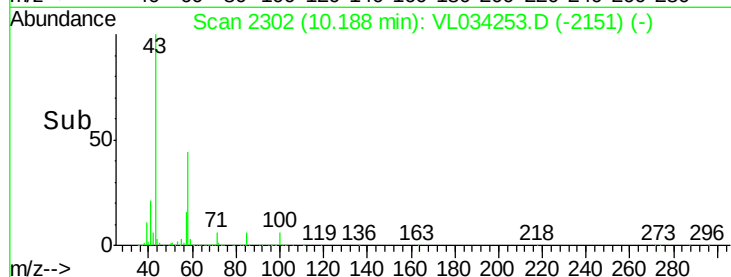
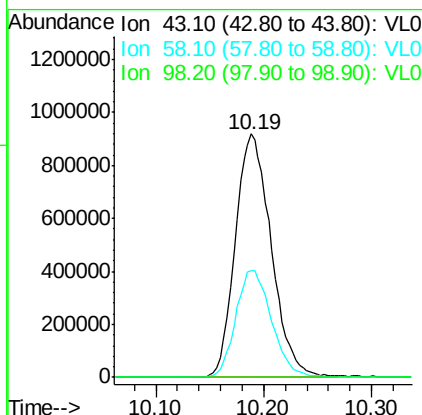
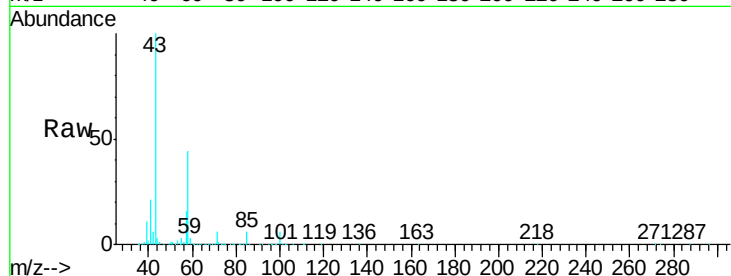
#51
2-Hexanone
Concen: 9.625 ppbv
RT: 10.19 min Scan# 2302
Delta R.T. -0.02 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Instrument :
MSVOA_L
ClientSampleId :
VL1008ABS01

Tgt Ion: 43 Resp: 2128958
Ion Ratio Lower Upper
43 100
58 44.0 36.2 54.4
98 0.2 0.2 0.2

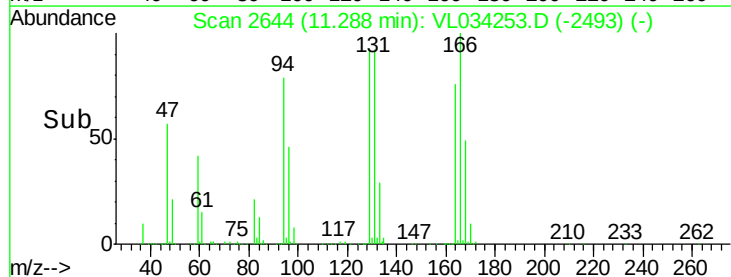
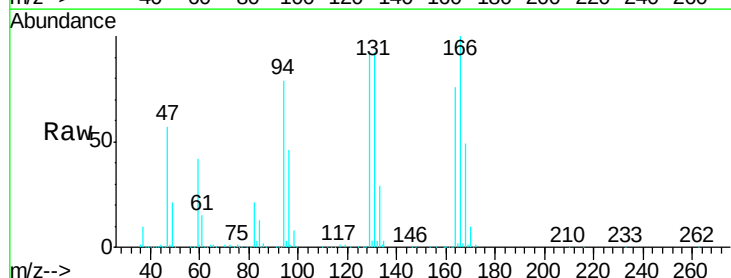
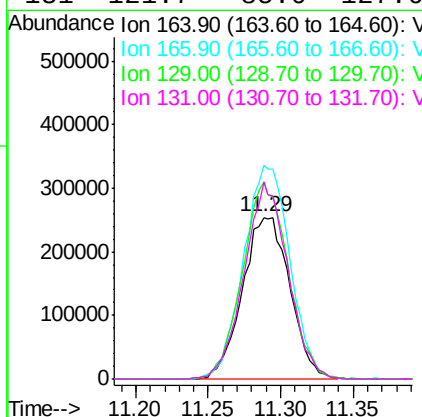
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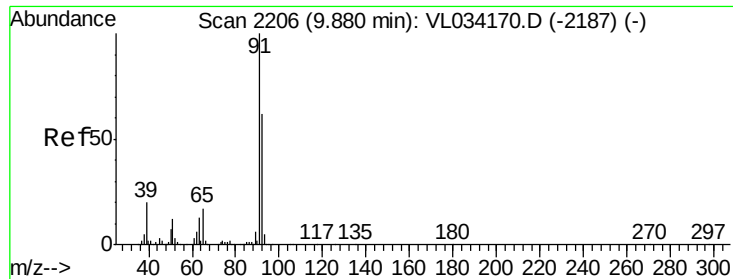
MMDadoda
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#52
Tetrachloroethene
Concen: 8.906 ppbv
RT: 11.29 min Scan# 2644
Delta R.T. -0.02 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Tgt Ion: 164 Resp: 576356
Ion Ratio Lower Upper
164 100
166 132.0 96.7 145.1
129 121.8 82.8 124.2
131 121.7 85.0 127.6





#53

Toluene

Concen: 9.730 ppbv

RT: 9.86 min Scan# 2201

Delta R.T. -0.02 min

Lab File: VL034253.D

Acq: 8 Oct 2019 17:16

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tgt Ion: 91 Resp: 2083002

Ion Ratio Lower Upper

91 100

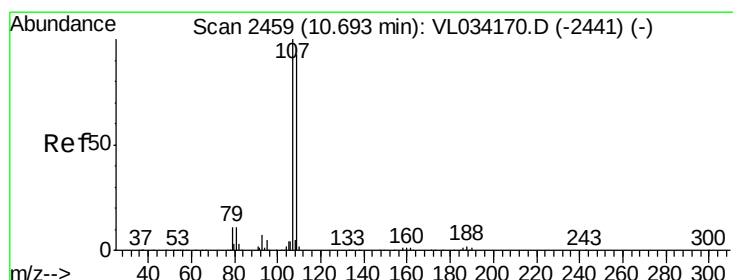
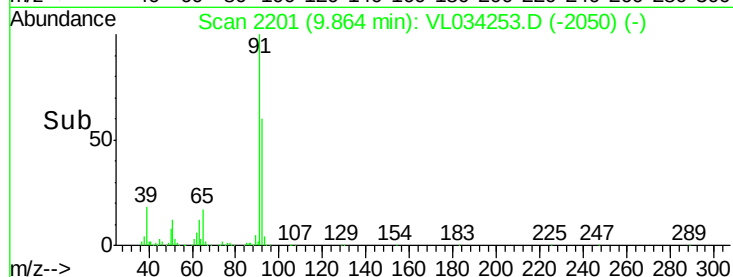
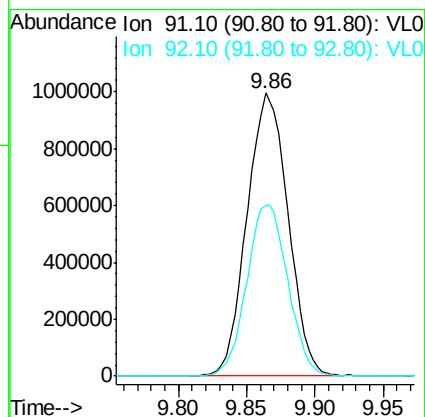
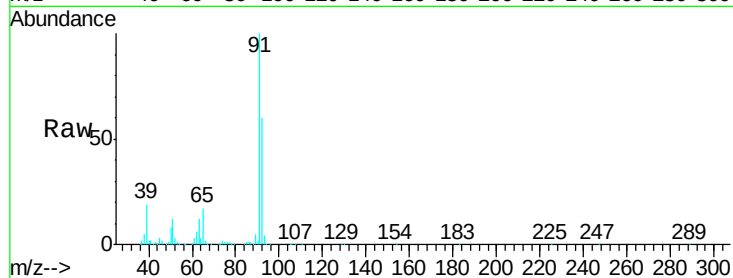
92 60.4 49.0 73.6

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 9.756 ppbv

RT: 10.68 min Scan# 2454

Delta R.T. -0.02 min

Lab File: VL034253.D

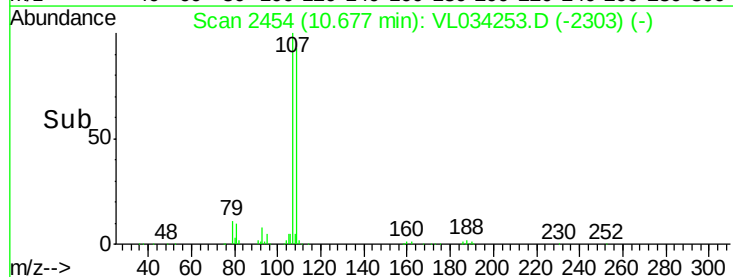
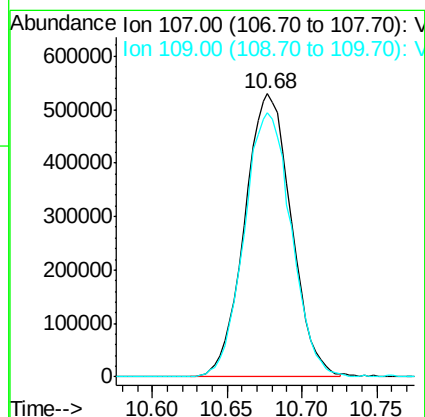
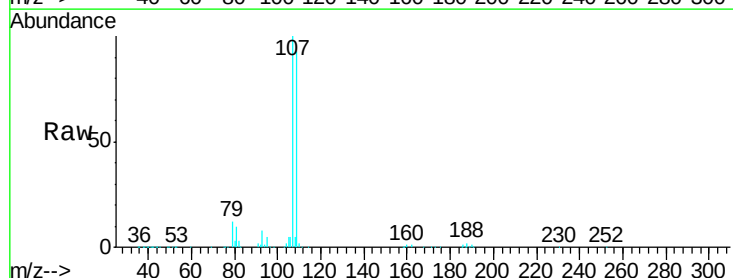
Acq: 8 Oct 2019 17:16

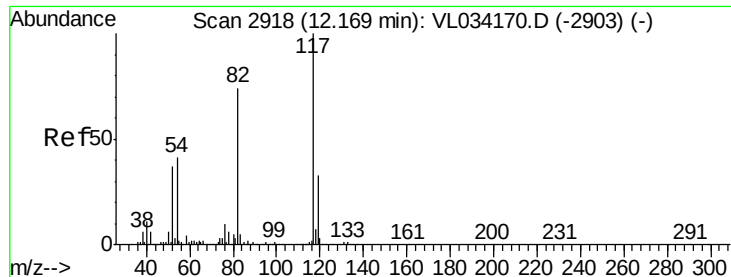
Tgt Ion: 107 Resp: 1146587

Ion Ratio Lower Upper

107 100

109 93.4 74.5 111.7





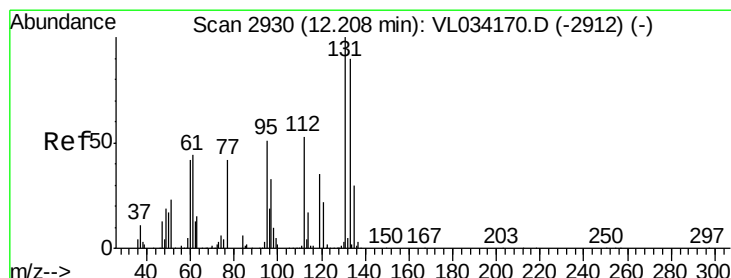
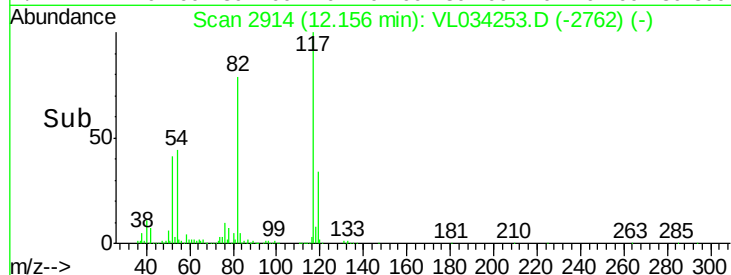
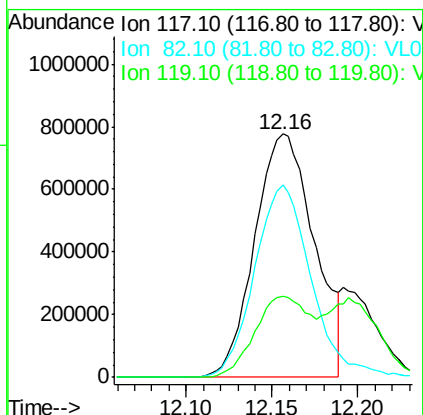
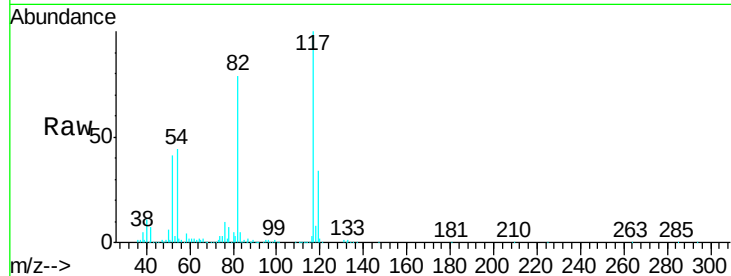
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.01 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Instrument :
MSVOA_L
ClientSampleId :
VL1008ABS01

Tgt Ion:117 Resp: 1870478
Ion Ratio Lower Upper
117 100
82 75.3 58.2 87.4
119 32.5 23.7 35.5

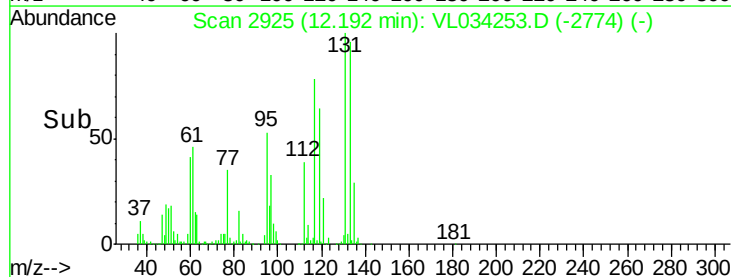
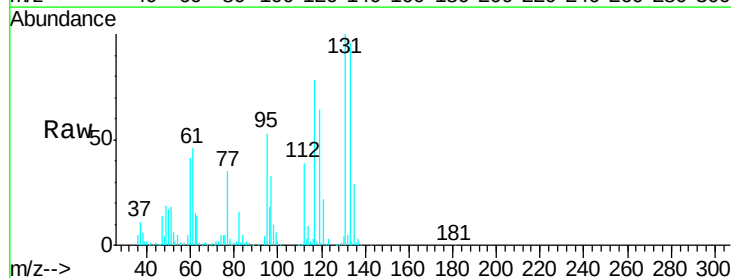
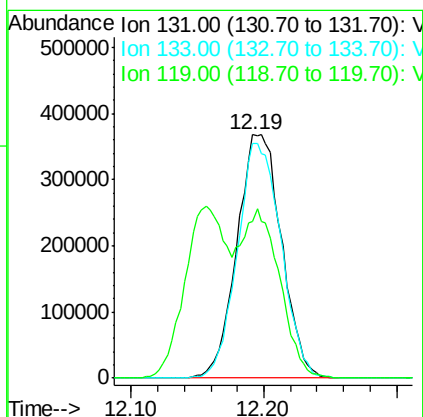
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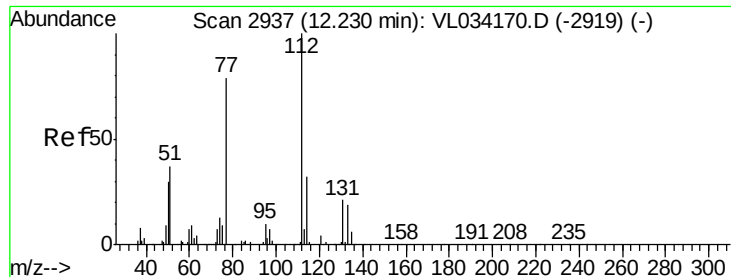
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.274 ppbv
RT: 12.19 min Scan# 2925
Delta R.T. -0.02 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Tgt Ion:131 Resp: 857036
Ion Ratio Lower Upper
131 100
133 95.1 75.1 112.7
119 58.6 47.4 71.0





#57

Chlorobenzene

Concen: 9.356 ppbv

RT: 12.22 min Scan# 2933

Delta R.T. -0.01 min

Lab File: VL034253.D

Acq: 8 Oct 2019 17:16

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tgt Ion: 112 Resp: 1523628

Ion Ratio Lower Upper

112 100

77 77.8 64.3 96.5

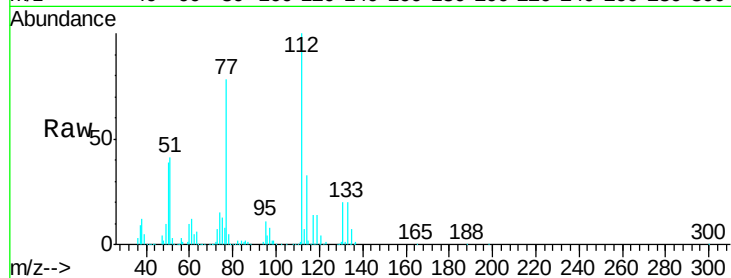
114 32.6 28.9 35.3

Manual Integrations

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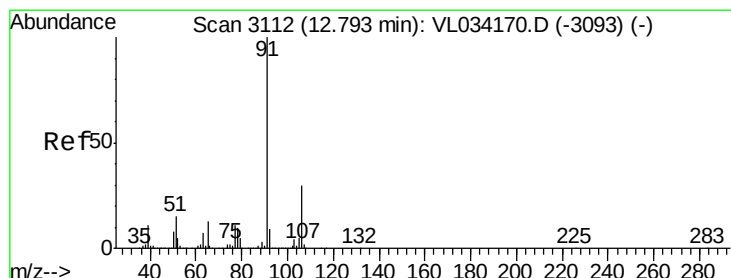
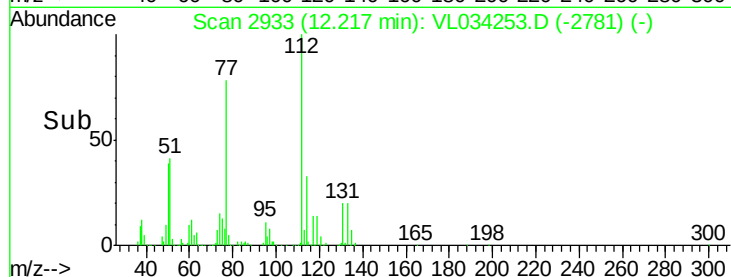
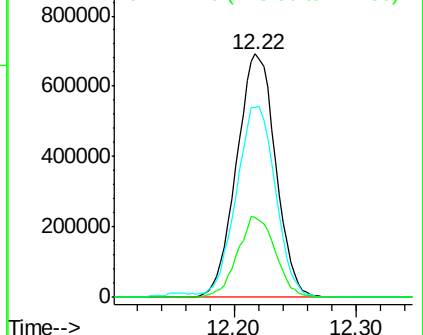
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.536 ppbv

RT: 12.78 min Scan# 3107

Delta R.T. -0.02 min

Lab File: VL034253.D

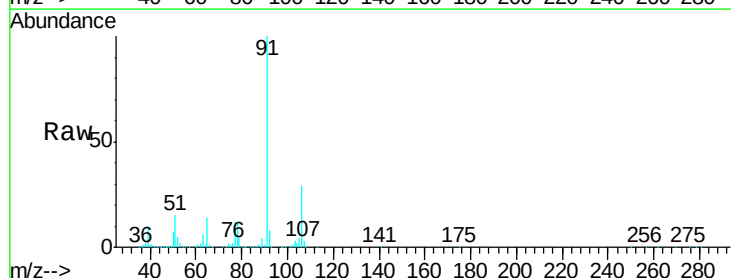
Acq: 8 Oct 2019 17:16

Tgt Ion: 91 Resp: 2878140

Ion Ratio Lower Upper

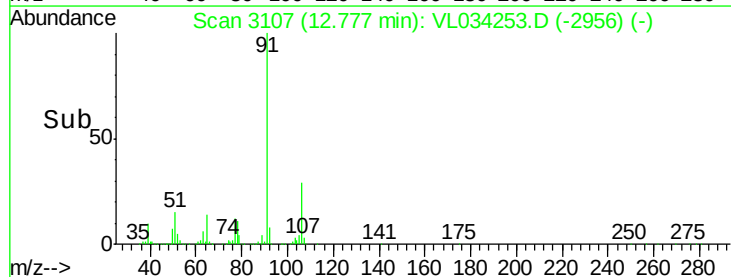
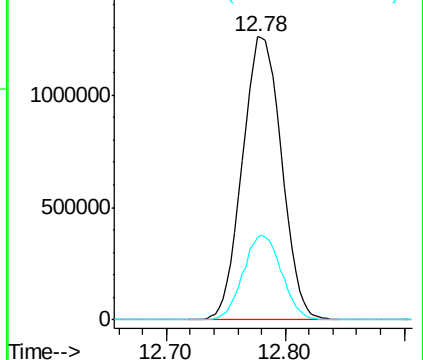
91 100

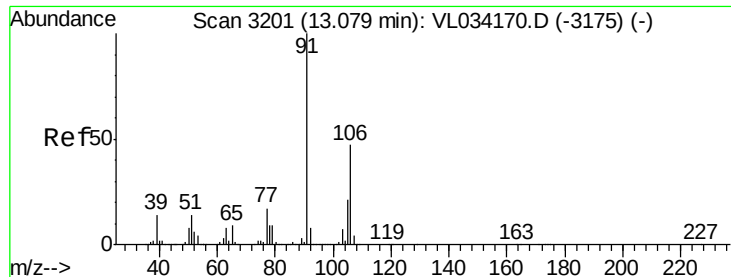
106 29.1 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





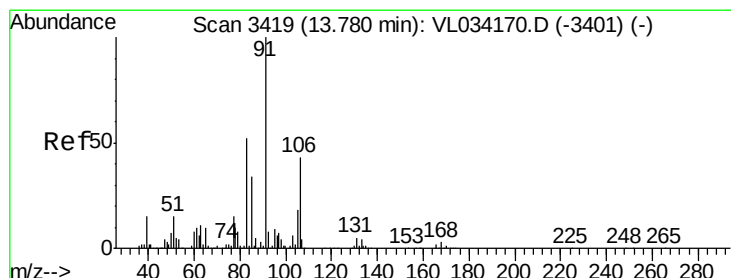
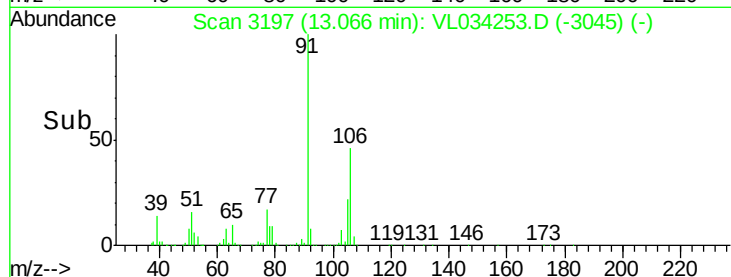
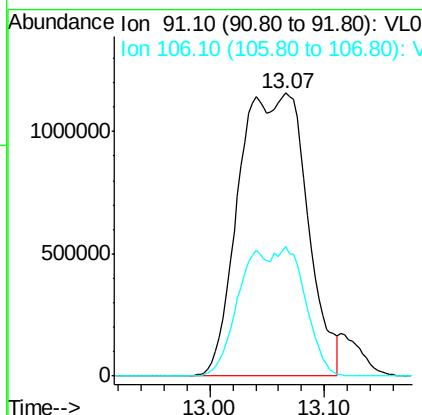
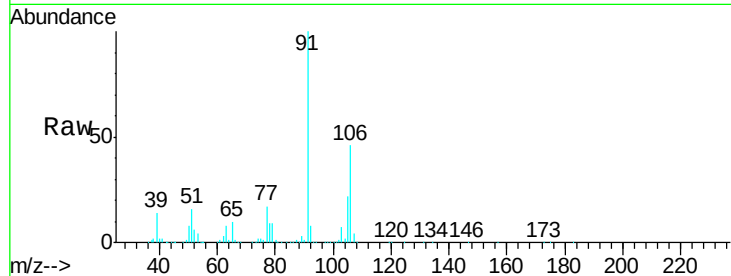
#59
m/p-Xylene
Concen: 19.108 ppbv m
RT: 13.07 min Scan# 3197
Delta R.T. -0.01 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Instrument :
MSVOA_L
ClientSampleId :
VL1008ABS01

Tgt Ion: 91 Resp: 4776718
Ion Ratio Lower Upper
91 100
106 42.6 35.5 53.3

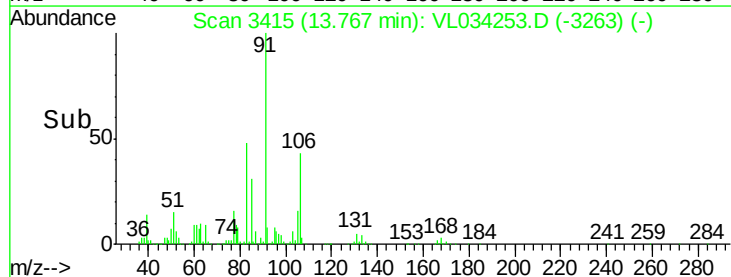
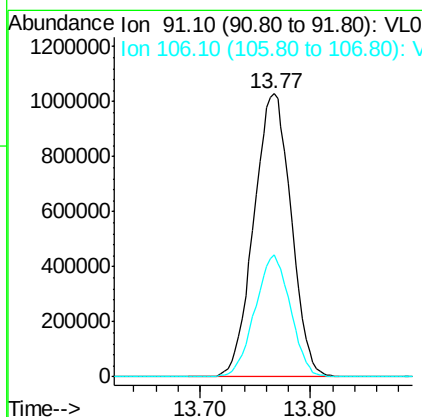
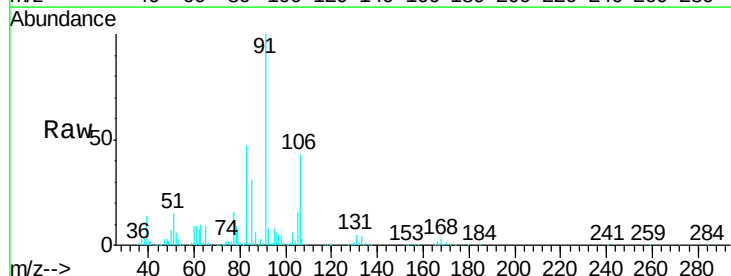
Manual Integrations
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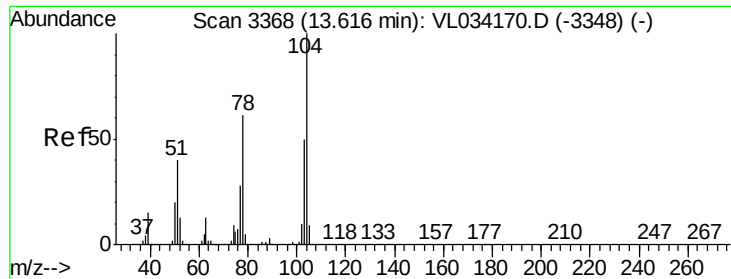
MMDadoda
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#60
o-Xylene
Concen: 9.640 ppbv
RT: 13.77 min Scan# 3415
Delta R.T. -0.01 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Tgt Ion: 91 Resp: 2409563
Ion Ratio Lower Upper
91 100
106 40.9 21.2 63.6





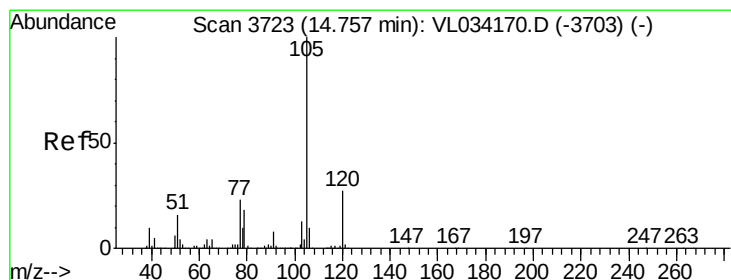
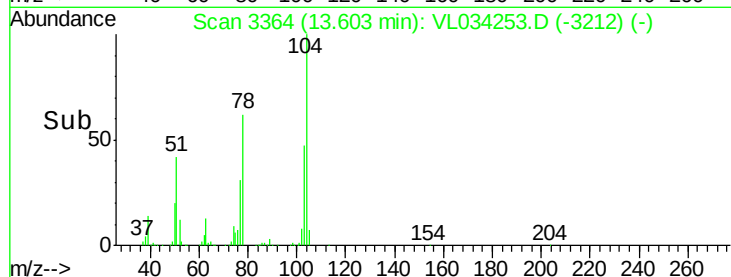
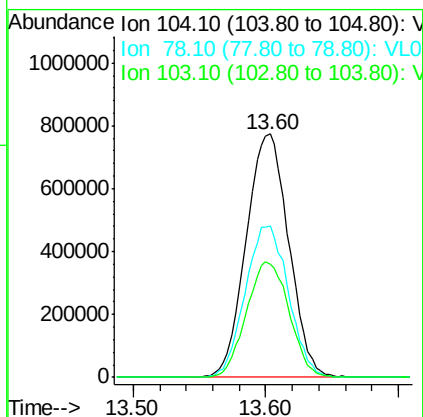
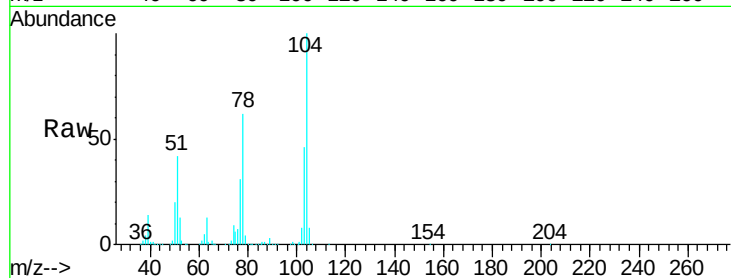
#61
Styrene
Concen: 9.647 ppbv
RT: 13.60 min Scan# 3364
Delta R.T. -0.01 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Instrument :
MSVOA_L
ClientSampleId :
VL1008ABS01

Tgt Ion:104 Resp: 1727258
Ion Ratio Lower Upper
104 100
78 63.1 49.7 74.5
103 47.7 38.4 57.6

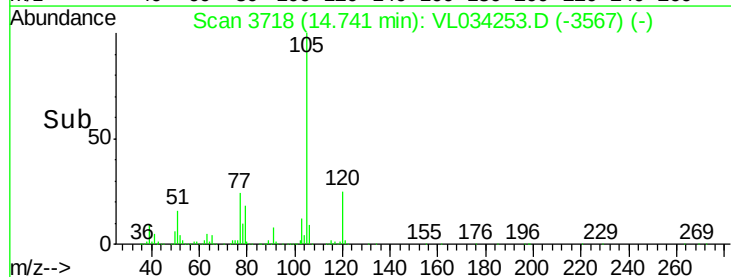
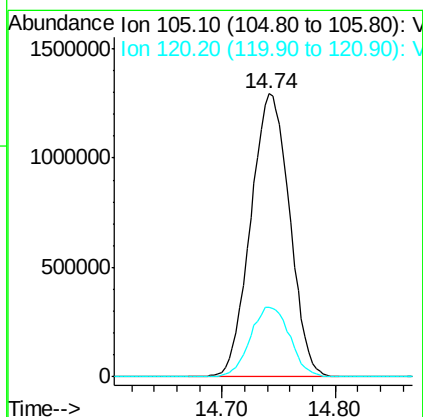
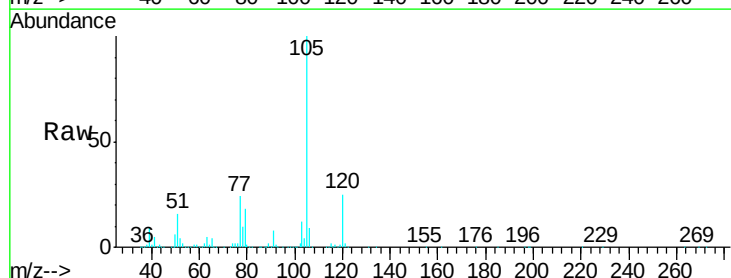
Manual Integrations
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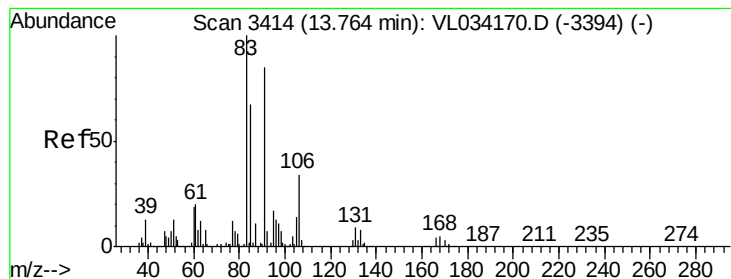
MMDadoda
10/11/2019 5:07:02 PM



#62
Isopropylbenzene
Concen: 9.539 ppbv
RT: 14.74 min Scan# 3718
Delta R.T. -0.02 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Tgt Ion:105 Resp: 3086670
Ion Ratio Lower Upper
105 100
120 25.0 20.7 31.1





#63

1,1,2,2-Tetrachloroethane

Concen: 8.553 ppbv

RT: 13.75 min Scan# 3410

Delta R.T. -0.01 min

Lab File: VL034253.D

Acq: 8 Oct 2019 17:16

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tgt Ion: 83 Resp: 1753038

Ion Ratio Lower Upper

83 100

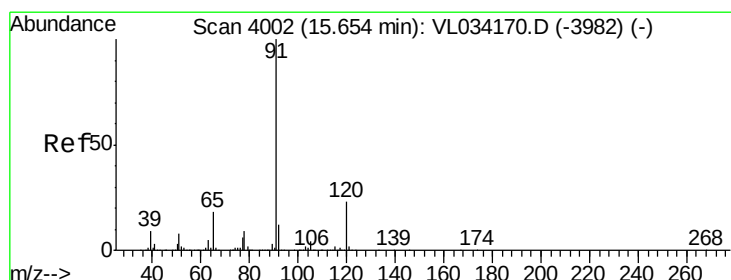
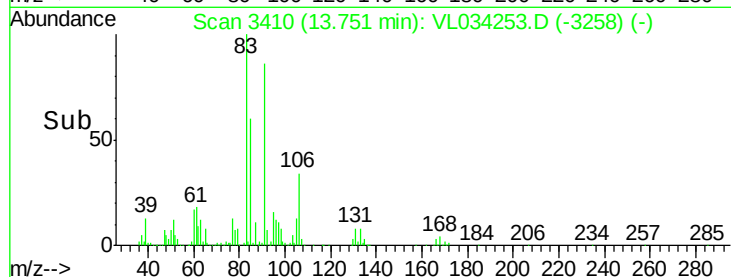
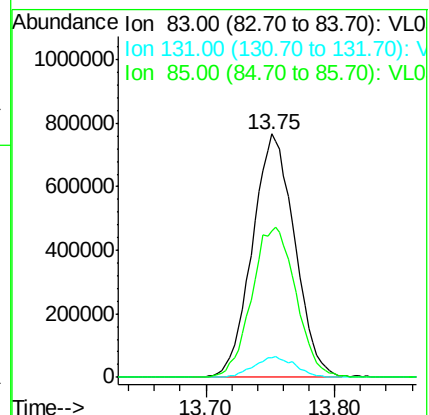
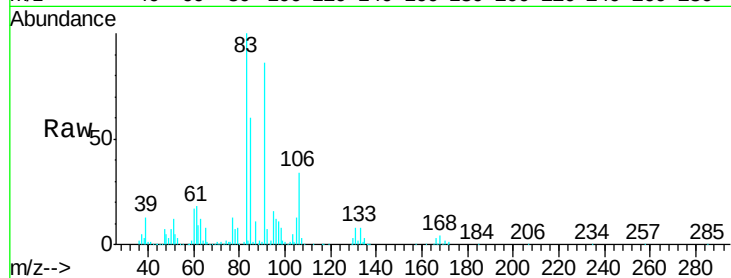
131 8.3 4.3 12.8

85 64.2 32.8 98.4

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#64

n-propylbenzene

Concen: 9.382 ppbv

RT: 15.64 min Scan# 3996

Delta R.T. -0.02 min

Lab File: VL034253.D

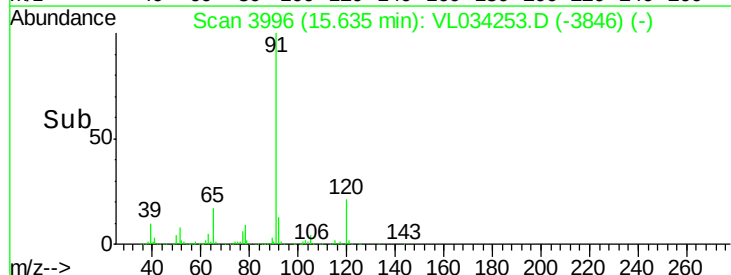
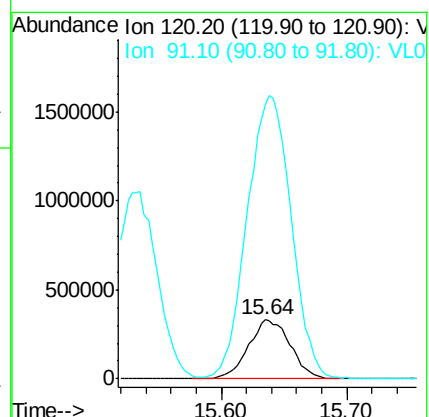
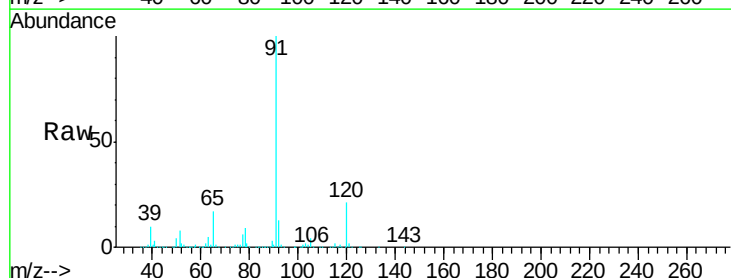
Acq: 8 Oct 2019 17:16

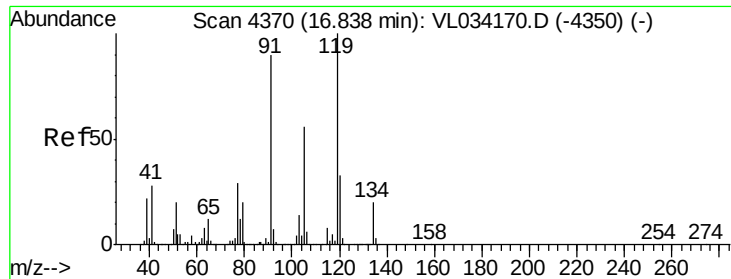
Tgt Ion: 120 Resp: 768080

Ion Ratio Lower Upper

120 100

91 506.6 378.2 567.2





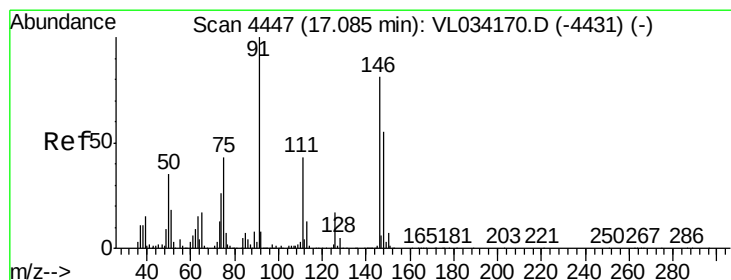
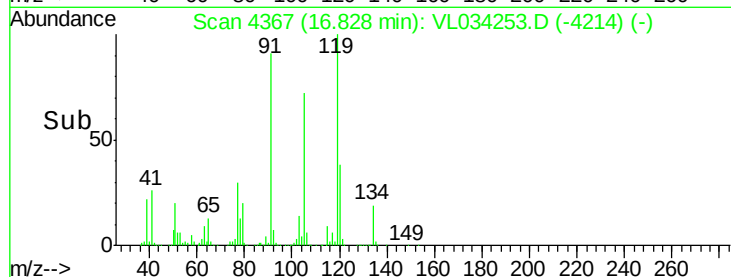
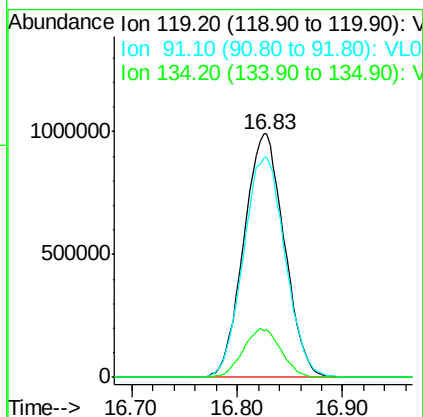
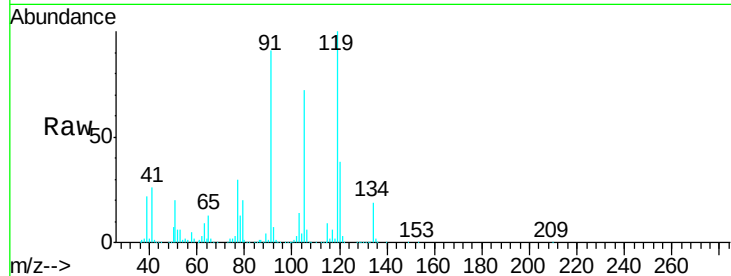
#65
 tert-Butylbenzene
 Concen: 9.349 ppbv
 RT: 16.83 min Scan# 4367
 Delta R.T. -0.01 min
 Lab File: VL034253.D
 Acq: 8 Oct 2019 17:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1008ABS01

Tgt Ion: 119 Resp: 2643197
 Ion Ratio Lower Upper
 119 100
 91 93.5 74.9 112.3
 134 18.8 15.8 23.6

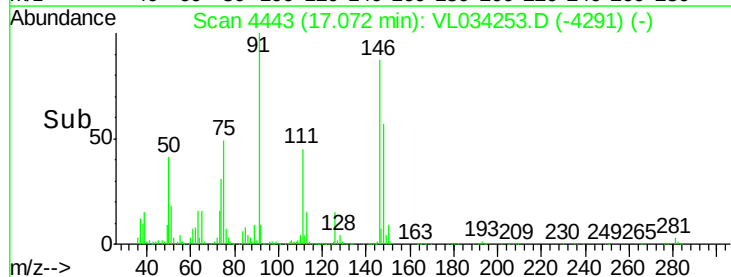
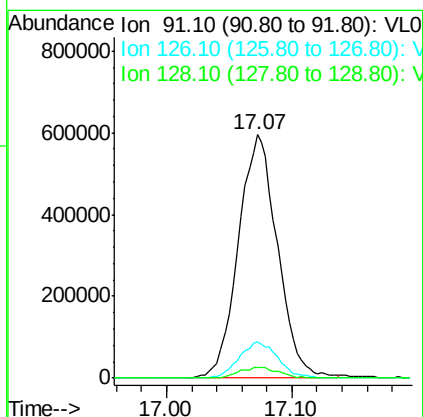
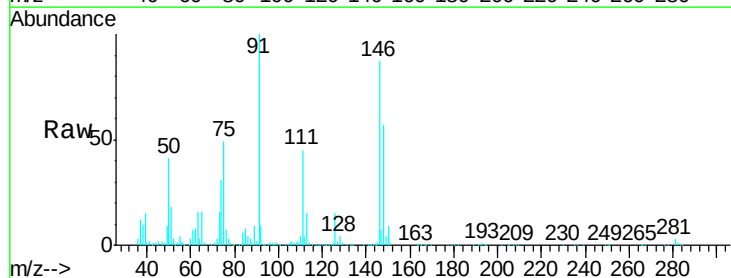
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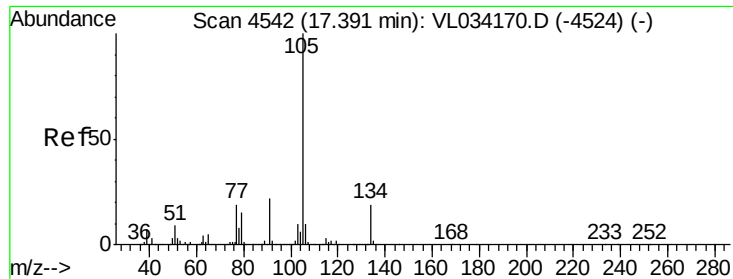
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#66
 Benzyl Chloride
 Concen: 12.868 ppbv
 RT: 17.07 min Scan# 4443
 Delta R.T. -0.01 min
 Lab File: VL034253.D
 Acq: 8 Oct 2019 17:16

Tgt Ion: 91 Resp: 1287144
 Ion Ratio Lower Upper
 91 100
 126 14.8 12.6 19.0
 128 4.5 4.0 6.0





#67

sec-Butylbenzene

Concen: 9.465 ppbv

RT: 17.38 min Scan# 4538

Delta R.T. -0.01 min

Lab File: VL034253.D

Acq: 8 Oct 2019 17:16

Instrument :

MSVOA_L

ClientSampleId :

VL1008ABS01

Tgt Ion: 105 Resp: 3826785

Ion Ratio Lower Upper

105 100

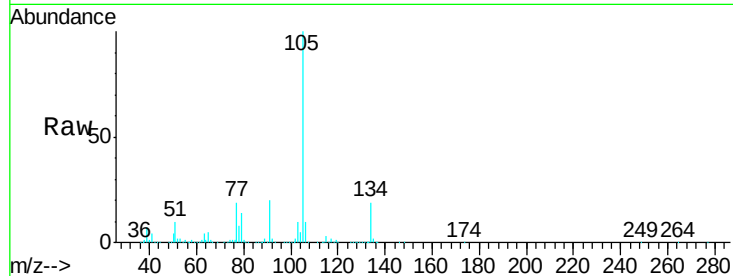
134 17.6 14.6 22.0

Manual Integrations

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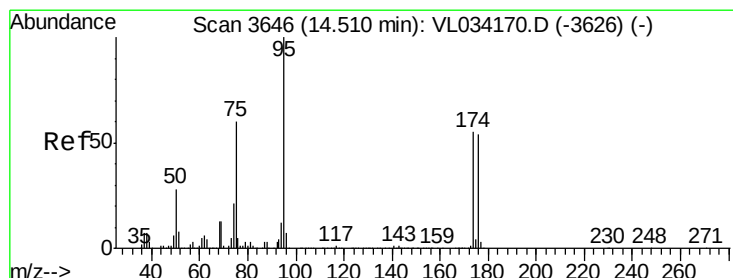
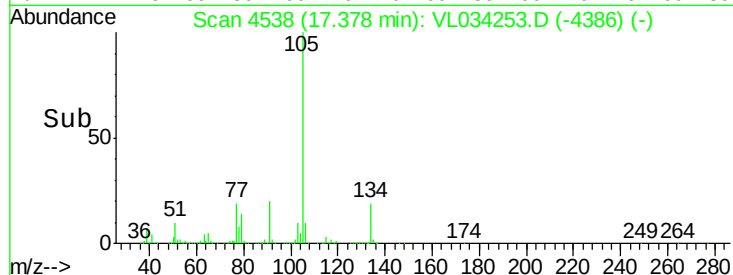
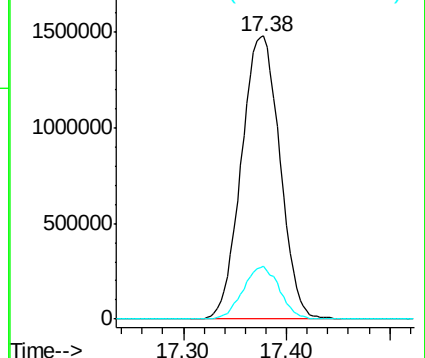
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.091 ppbv

RT: 14.49 min Scan# 3641

Delta R.T. -0.02 min

Lab File: VL034253.D

Acq: 8 Oct 2019 17:16

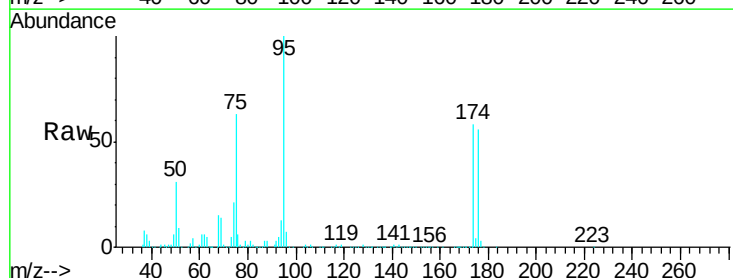
Tgt Ion: 95 Resp: 1640075

Ion Ratio Lower Upper

95 100

174 55.2 45.1 67.7

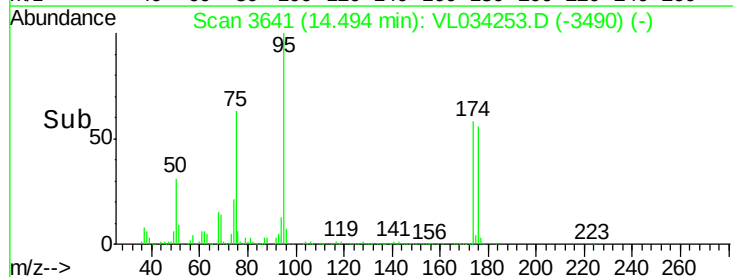
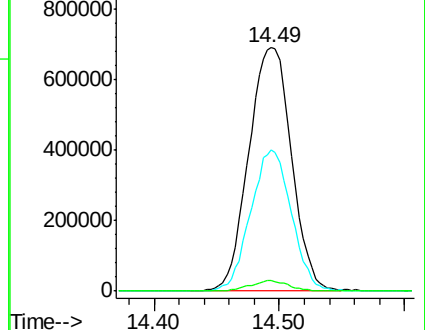
175 3.8 3.3 4.9

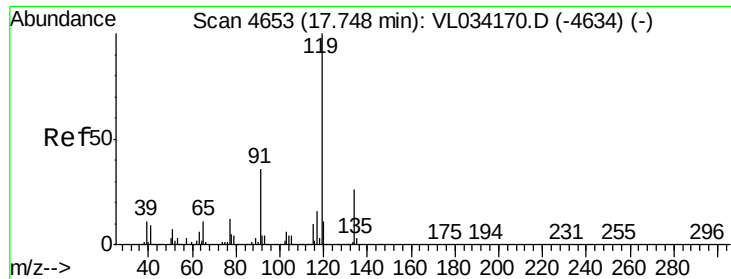


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





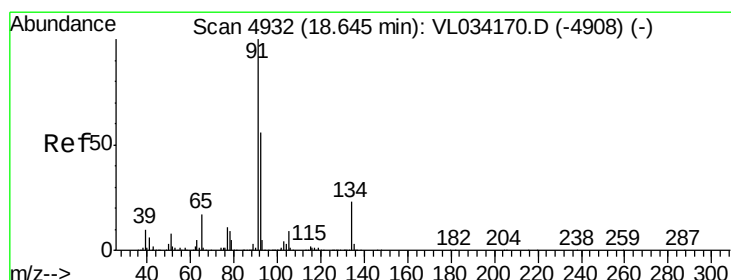
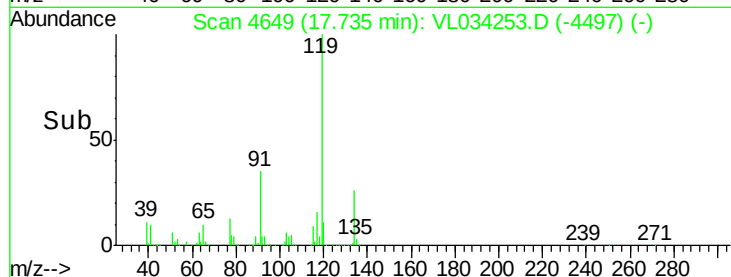
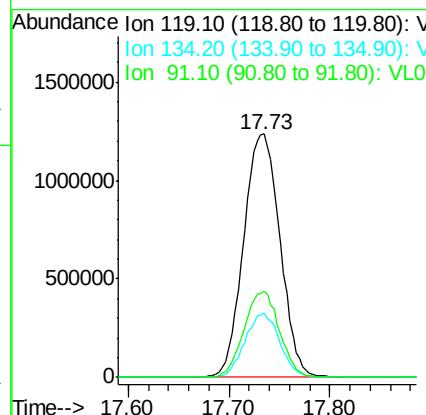
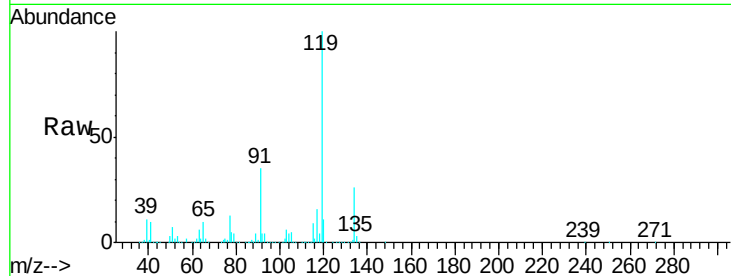
#69
 p-Isopropyltoluene
 Concen: 9.421 ppbv
 RT: 17.73 min Scan# 4649
 Delta R.T. -0.01 min
 Lab File: VL034253.D
 Acq: 8 Oct 2019 17:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1008ABS01

Tgt Ion: 119 Resp: 3084079
 Ion Ratio Lower Upper
 119 100
 134 25.3 20.6 30.8
 91 34.5 27.6 41.4

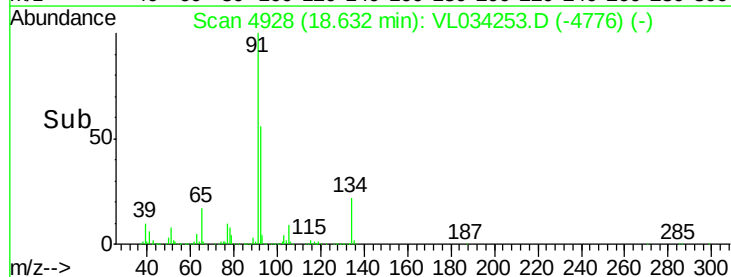
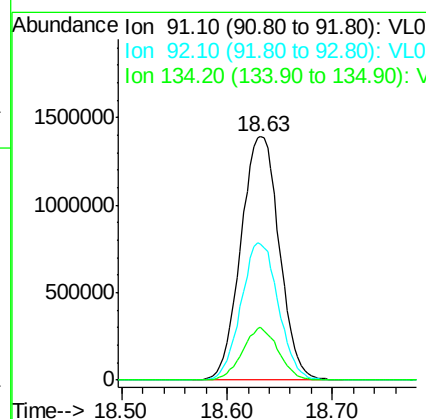
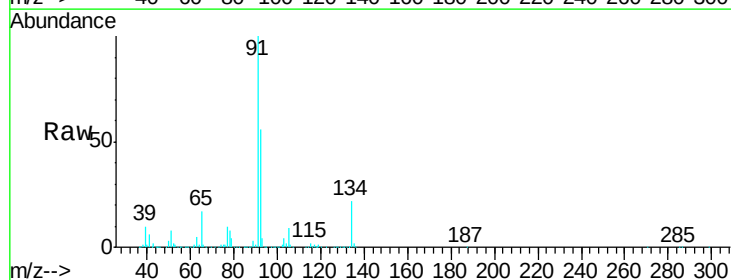
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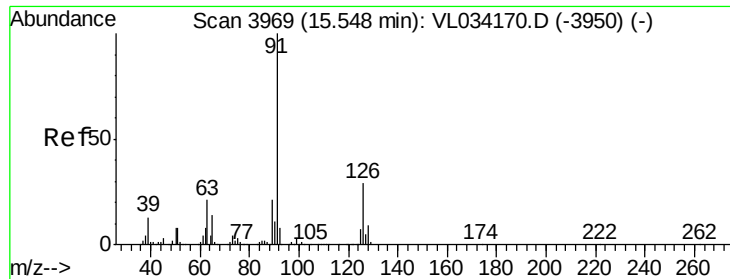
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#70
 n-Butylbenzene
 Concen: 9.246 ppbv
 RT: 18.63 min Scan# 4928
 Delta R.T. -0.01 min
 Lab File: VL034253.D
 Acq: 8 Oct 2019 17:16

Tgt Ion: 91 Resp: 3524671
 Ion Ratio Lower Upper
 91 100
 92 54.8 44.8 67.2
 134 20.1 17.3 25.9





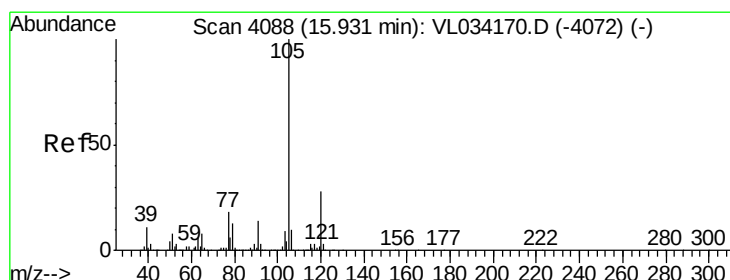
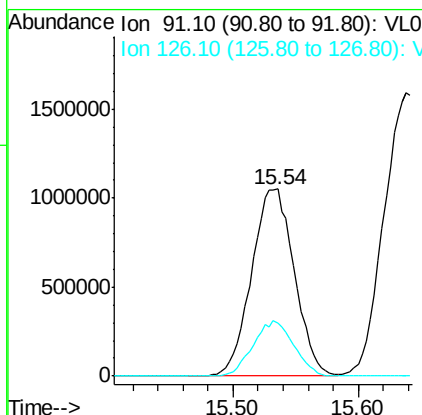
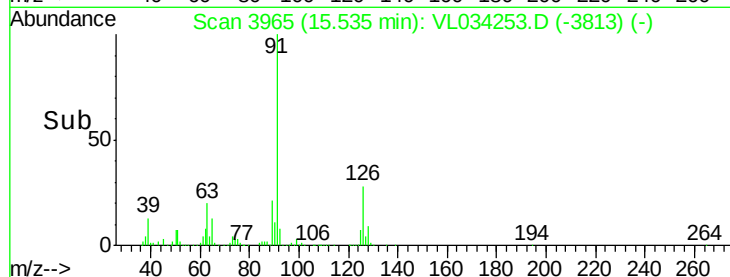
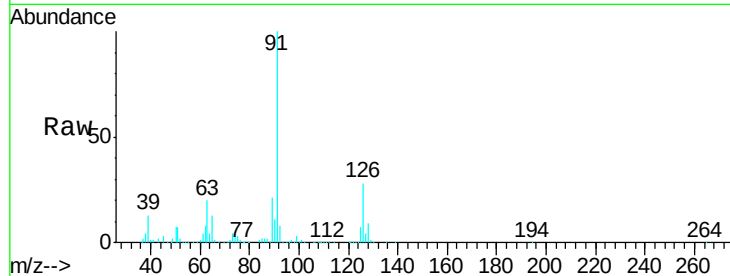
#71
2-Chlorotoluene
Concen: 9.435 ppbv
RT: 15.54 min Scan# 3965
Delta R.T. -0.01 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Instrument :
MSVOA_L
ClientSampleId :
VL1008ABS01

Tgt Ion: 91 Resp: 2494396
Ion Ratio Lower Upper
91 100
126 28.1 11.2 45.0

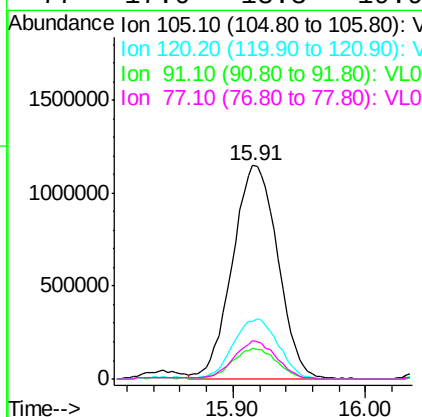
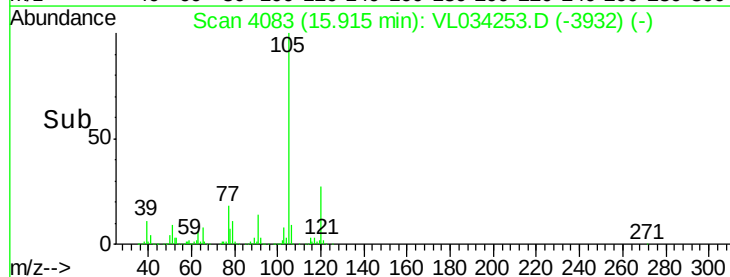
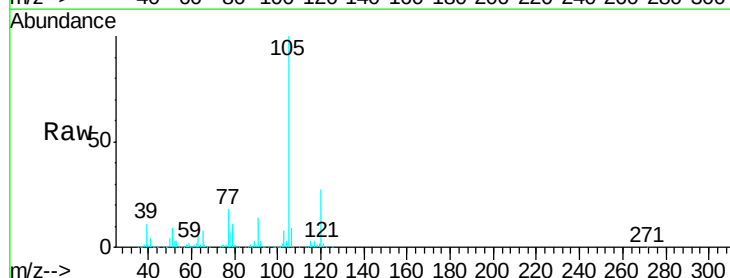
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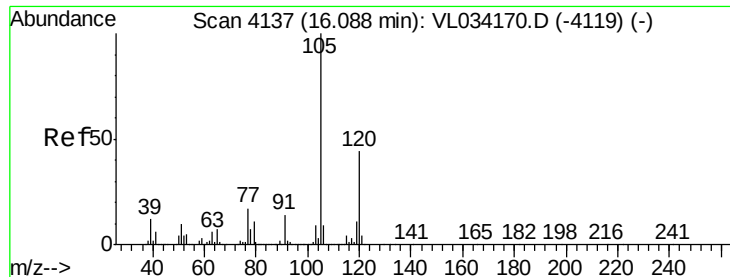
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#72
4-Ethyltoluene
Concen: 9.581 ppbv
RT: 15.91 min Scan# 4083
Delta R.T. -0.02 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Tgt Ion: 105 Resp: 2705768
Ion Ratio Lower Upper
105 100
120 28.3 23.3 34.9
91 14.1 11.4 17.2
77 17.0 13.3 19.9





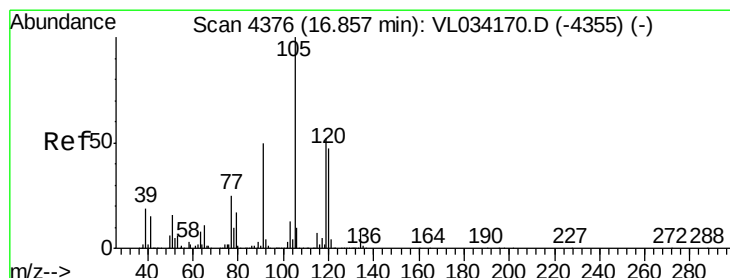
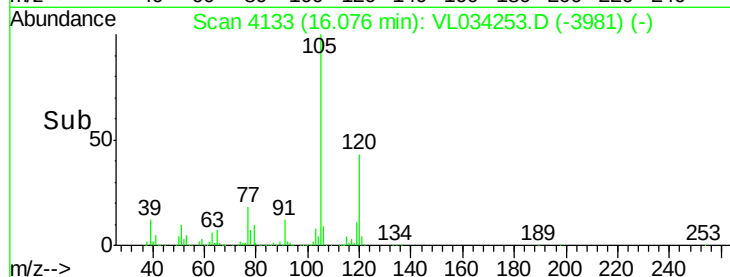
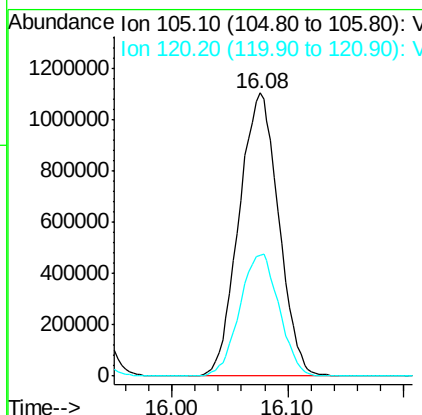
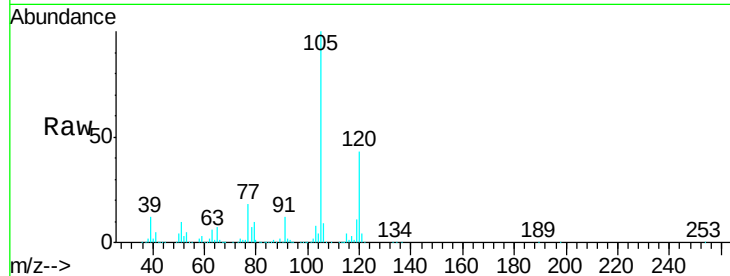
#73
 1,3,5-Trimethylbenzene
 Concen: 9.613 ppbv
 RT: 16.08 min Scan# 4133
 Delta R.T. -0.01 min
 Lab File: VL034253.D
 Acq: 8 Oct 2019 17:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1008ABS01

Tgt Ion:105 Resp: 2622689
 Ion Ratio Lower Upper
 105 100
 120 42.7 35.6 53.4

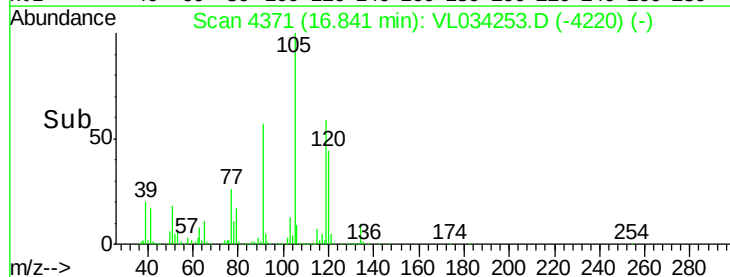
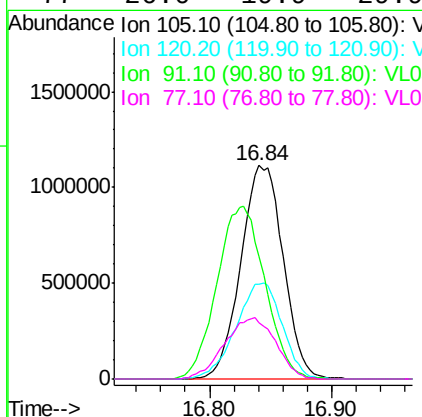
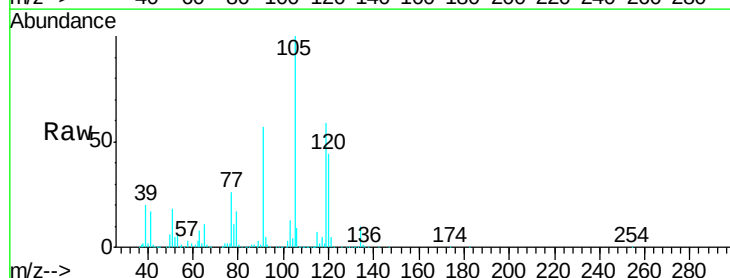
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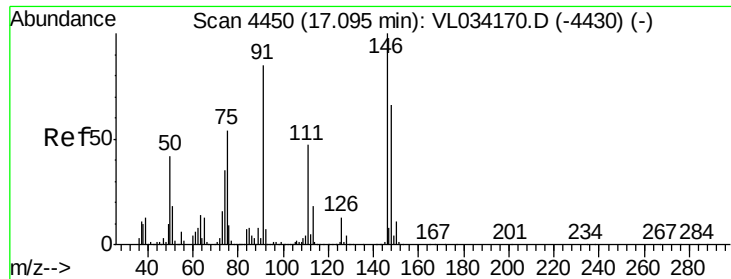
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.230 ppbv
 RT: 16.84 min Scan# 4371
 Delta R.T. -0.02 min
 Lab File: VL034253.D
 Acq: 8 Oct 2019 17:16

Tgt Ion:105 Resp: 2673815
 Ion Ratio Lower Upper
 105 100
 120 44.3 37.5 56.3
 91 57.2 41.1 61.7
 77 26.0 19.9 29.9





#75

1,3-Dichlorobenzene

Concen: 8.980 ppbv

RT: 17.08 min Scan# 4446

Delta R.T. -0.01 min

Lab File: VL034253.D

Acq: 8 Oct 2019 17:16

Instrument :

MSVOA_L

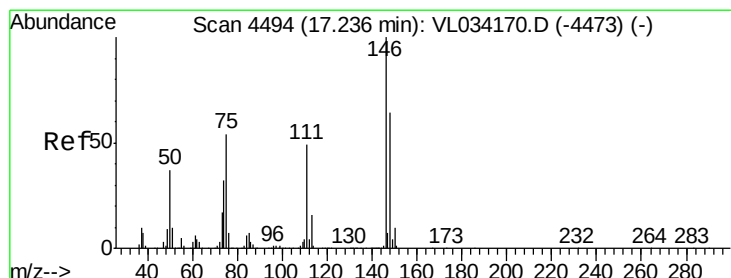
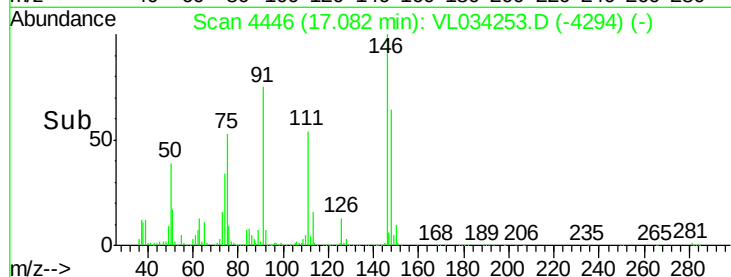
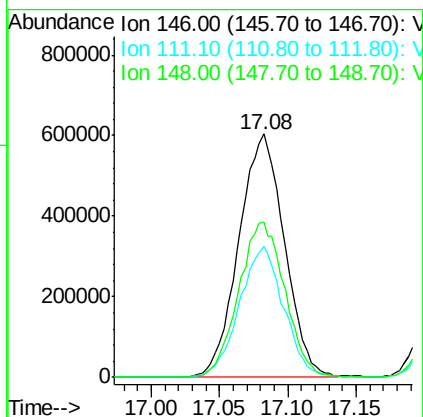
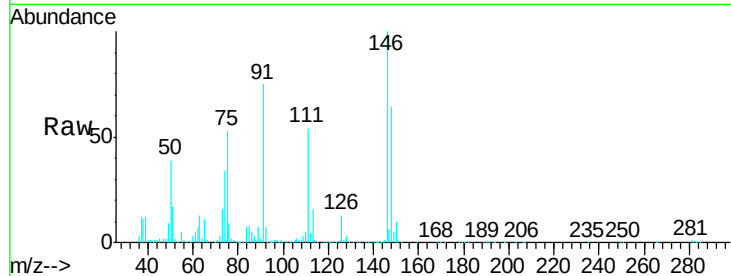
ClientSampleId :

VL1008ABS01

Tgt Ion:	146	Resp:	1395766
Ion	Ratio	Lower	Upper
146	100		
111	52.5	25.9	77.8
148	65.1	32.6	97.7

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#76

1,4-Dichlorobenzene

Concen: 8.962 ppbv

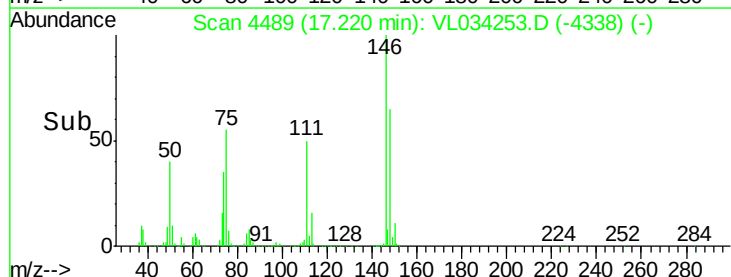
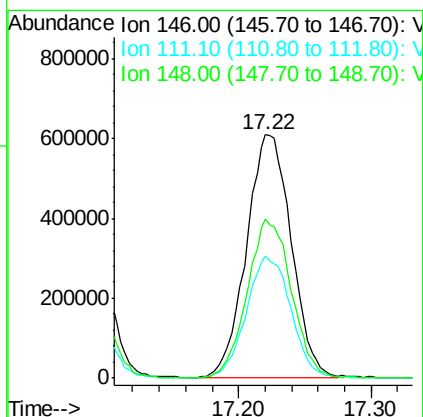
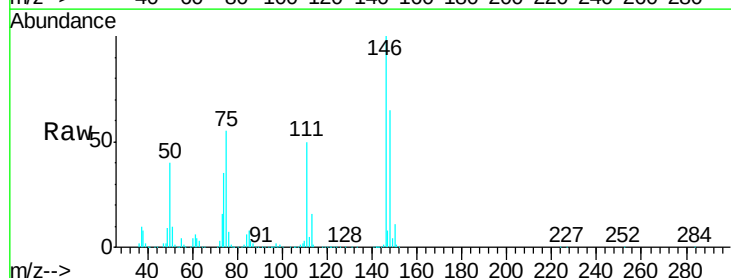
RT: 17.22 min Scan# 4489

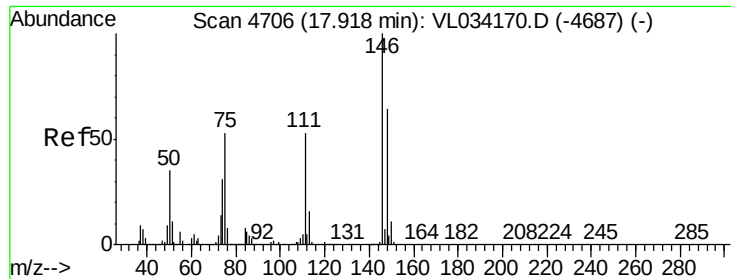
Delta R.T. -0.02 min

Lab File: VL034253.D

Acq: 8 Oct 2019 17:16

Tgt Ion:	146	Resp:	1426547
Ion	Ratio	Lower	Upper
146	100		
111	50.0	24.6	74.0
148	64.7	32.4	97.0





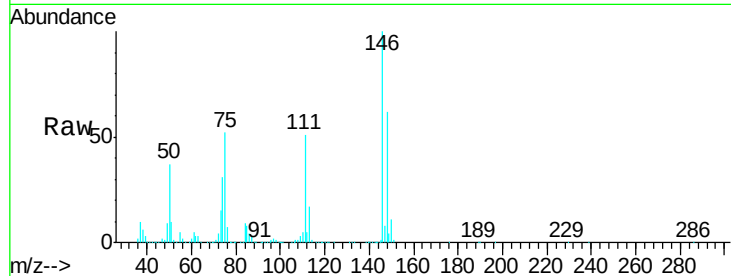
#77
 1,2-Dichlorobenzene
 Concen: 8.925 ppbv
 RT: 17.91 min Scan# 4702
 Delta R.T. -0.01 min
 Lab File: VL034253.D
 Acq: 8 Oct 2019 17:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1008ABS01

Tgt Ion:146 Resp: 1404072
 Ion Ratio Lower Upper
 146 100
 111 52.2 26.1 78.3
 148 64.1 31.9 95.9

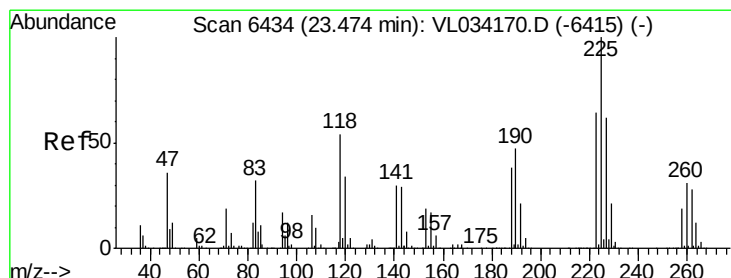
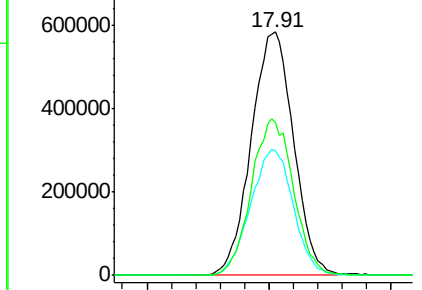
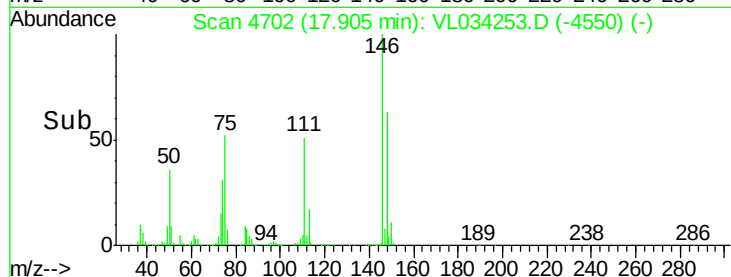
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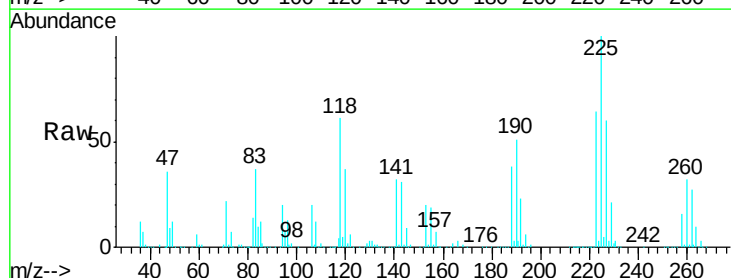
Abundance Ion 146.00 (145.70 to 146.70): V
 800000
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

17.91



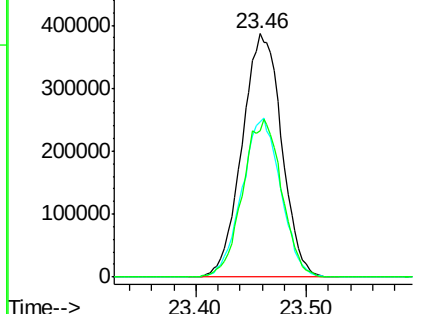
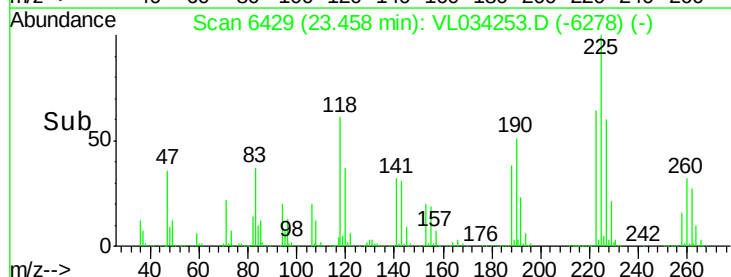
#78
 Hexachloro-1,3-Butadiene
 Concen: 9.225 ppbv
 RT: 23.46 min Scan# 6429
 Delta R.T. -0.02 min
 Lab File: VL034253.D
 Acq: 8 Oct 2019 17:16

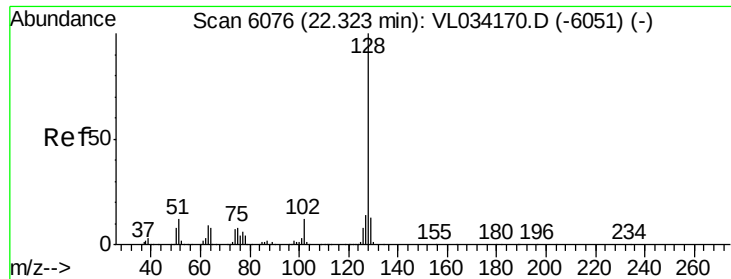
Tgt Ion:225 Resp: 961241
 Ion Ratio Lower Upper
 225 100
 223 64.0 51.7 77.5
 227 64.0 52.1 78.1



Abundance Ion 224.90 (224.60 to 225.60): V
 500000
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V

23.46





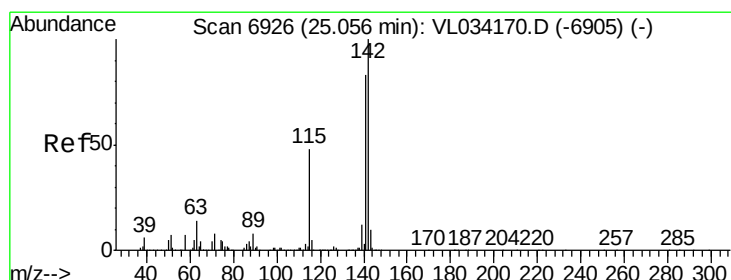
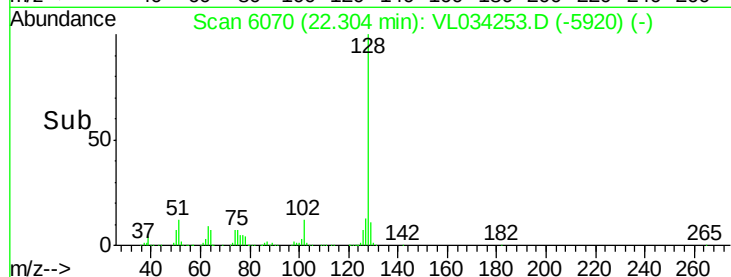
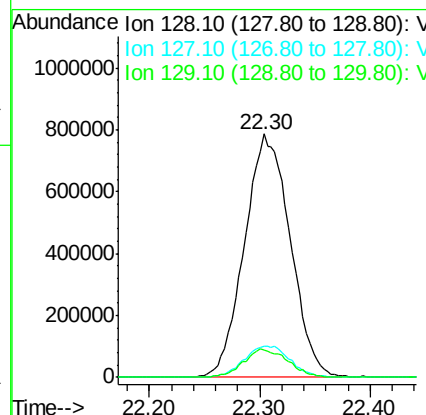
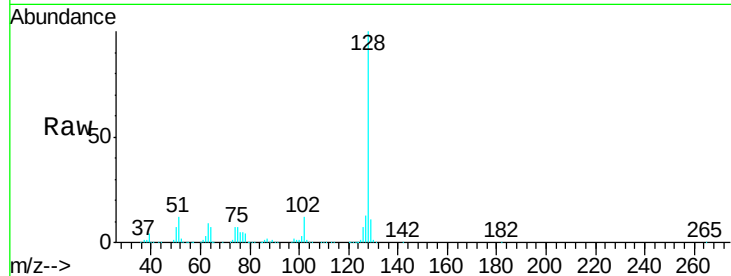
#79
Naphthalene
Concen: 8.806 ppbv
RT: 22.30 min Scan# 6070
Delta R.T. -0.02 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Instrument :
MSVOA_L
ClientSampleId :
VL1008ABS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	11.1	16.7
129	11.3	10.2	15.4

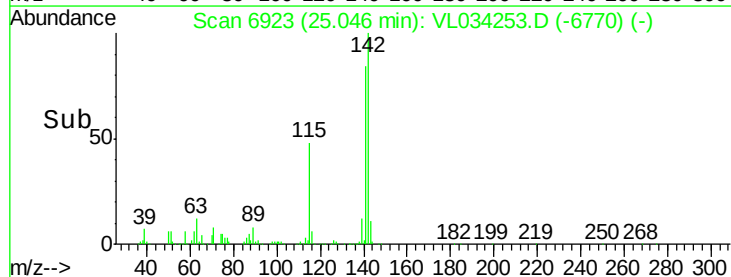
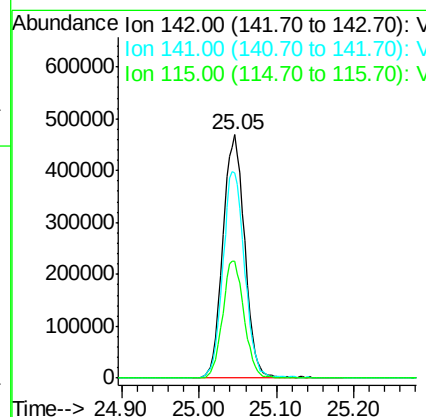
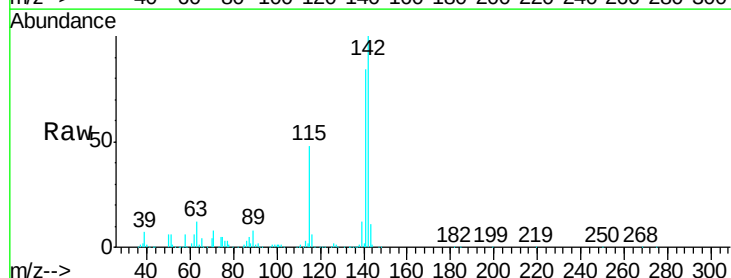
Manual Integrations
APPROVED

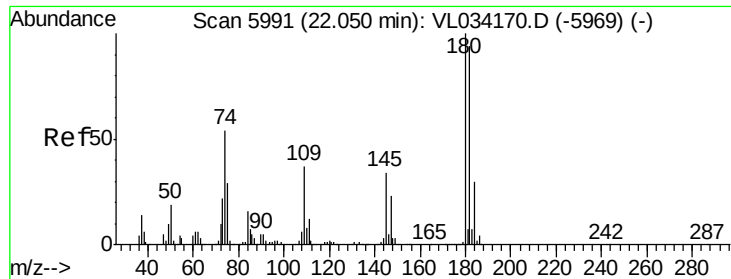
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#80
Naphthalene, 2-methyl-
Concen: 7.855 ppbv
RT: 25.05 min Scan# 6923
Delta R.T. -0.01 min
Lab File: VL034253.D
Acq: 8 Oct 2019 17:16

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.6	67.6	101.4
115	47.2	36.9	55.3





#81
 1,2,4-Trichlorobenzene
 Concen: 8.850 ppbv
 RT: 22.03 min Scan# 5986
 Delta R.T. -0.02 min
 Lab File: VL034253.D
 Acq: 8 Oct 2019 17:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1008ABS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.4	116.2
184	30.6	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
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