

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL013020\
 Data File : VL034568.D
 Acq On : 30 Jan 2020 12:05
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
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 1/31/2020 4:25:54 PM

Quant Time: Jan 30 14:47:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 2020
 QLast Update : Thu Jan 30 11:35:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1188394	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2406952	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2599794	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2145421	9.89	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	2248101	11.995	ppbv	97
3) Chlorodifluoromethane	2.95	51	1278316	9.028	ppbv	97
4) Chloromethane	3.10	50	778907	9.261	ppbv	98
5) Vinyl Chloride	3.22	62	737262	8.952	ppbv	98
6) Bromomethane	3.44	94	399811	9.752	ppbv	97
7) Chloroethane	3.52	64	280168	9.762	ppbv	100
8) Dichlorotetrafluoroethane	3.15	85	1757271	9.349	ppbv	99
9) Propene	2.97	41	504161	9.235	ppbv	98
10) Heptane	8.13	43	1392182	9.875	ppbv	100
11) Trichlorofluoromethane	3.92	101	2088615	9.630	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1385809	10.046	ppbv	99
13) Ethanol	3.57	45	117638	7.767	ppbv	99
14) Bromoethene	3.71	108	567877	10.178	ppbv	99
15) Acetone	3.82	43	1457476	8.404	ppbv	100
16) 1,3-Butadiene	3.29	39	665039	9.970	ppbv	99
17) tert-Butyl alcohol	4.27	59	1228135	8.844	ppbv	100
18) 1,1-Dichloroethene	4.26	96	607026	10.102	ppbv	92
19) Isopropyl Alcohol	3.94	45	935438	8.332	ppbv	# 99
20) Methylene Chloride	4.32	84	541338	7.933	ppbv	98
21) Allyl Chloride	4.39	41	1019617	10.229	ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	634345	10.379	ppbv	90
23) Vinyl Acetate	5.06	43	1914146	9.560	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1506024	9.362	ppbv	100
25) Ethyl Acetate	5.67	43	2576523	9.513	ppbv	100
26) Hexane	5.68	57	1091724	9.566	ppbv	99
27) Carbon Disulfide	4.53	76	1608457	11.150	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1906155	10.000	ppbv	99
29) Chloroform	5.75	83	1880018	9.520	ppbv	95
30) Cyclohexane	7.14	84	863381	10.178	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1186481	10.202	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	1950547	9.516	ppbv	100
34) 2-Butanone	5.23	43	1612701	9.376	ppbv	99
35) Carbon Tetrachloride	7.02	117	2124035	9.731	ppbv	99
36) Benzene	6.90	78	2065649	9.845	ppbv	96
37) 1,2-Dichloroethane	6.31	62	1634178	9.591	ppbv	100
38) Trichloroethene	7.85	130	898430	10.600	ppbv	97
39) 1,2-Dichloropropane	7.63	63	834530	9.673	ppbv	96
40) 1,4-Dioxane	7.84	88	323543	9.266	ppbv	# 100
41) Tetrahydrofuran	6.04	42	885312	10.034	ppbv	98
42) Bromodichloromethane	7.80	83	2082504	9.933	ppbv	94
43) Methyl Methacrylate	8.02	69	870065	10.166	ppbv	100

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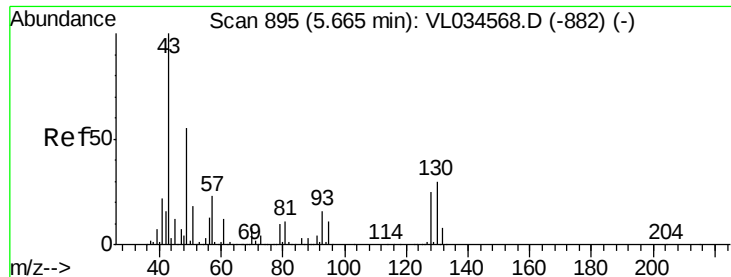
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3672612	9.462	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1262308	11.450	ppbv	94
46) cis-1,3-Dichloropropene	8.72	75	1389868	11.028	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	905911	9.525	ppbv	98
48) Dibromochloromethane	10.33	129	1778931	10.790	ppbv	99
49) Bromoform	13.08	173	1601306	10.728	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2430082	9.733	ppbv	99
51) 2-Hexanone	10.15	43	2024126	10.043	ppbv #	99
52) Tetrachloroethene	11.25	164	800872	9.781	ppbv	96
53) Toluene	9.83	91	2411244	10.460	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1381271	9.980	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	1175658	9.368	ppbv	100
57) Chlorobenzene	12.18	112	1916724	8.936	ppbv	99
58) Ethyl Benzene	12.74	91	3343669	9.537	ppbv	97
59) m/p-Xylene	13.03	91	5707647m	18.616	ppbv	
60) o-Xylene	13.73	91	2869428	9.327	ppbv	99
61) Styrene	13.56	104	2108288	10.023	ppbv	99
62) Isopropylbenzene	14.70	105	3691247	9.172	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	2018788	8.180	ppbv	100
64) n-propylbenzene	15.60	120	978991	9.527	ppbv	95
65) tert-Butylbenzene	16.79	119	3332926	9.167	ppbv	100
66) Benzyl Chloride	17.03	91	1659069	10.412	ppbv	99
67) sec-Butylbenzene	17.34	105	4498193	8.810	ppbv	99
69) p-Isopropyltoluene	17.69	119	3790087	9.152	ppbv	100
70) n-Butylbenzene	18.59	91	3926147	8.787	ppbv	100
71) 2-Chlorotoluene	15.49	91	2898423	9.274	ppbv	100
72) 4-Ethyltoluene	15.88	105	3209405	9.322	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	3107385	9.200	ppbv	95
74) 1,2,4-Trimethylbenzene	16.81	105	3238131	8.962	ppbv #	91
75) 1,3-Dichlorobenzene	17.04	146	1822703	8.422	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1826400	8.766	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1742566	8.568	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	1601016	8.293	ppbv	100
79) Naphthalene	22.26	128	2741592	10.074	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	1292502	17.144	ppbv #	93
81) 1,2,4-Trichlorobenzene	21.99	180	1649011	9.306	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL034568.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 49 Resp: 1188394

Ion Ratio Lower Upper

49 100

128 45.4 22.4 67.2

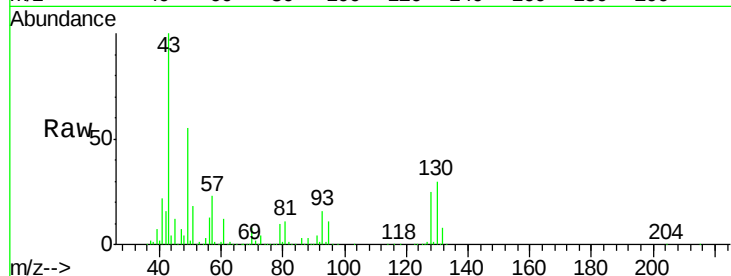
130 57.2 28.3 85.0

Manual Integrations

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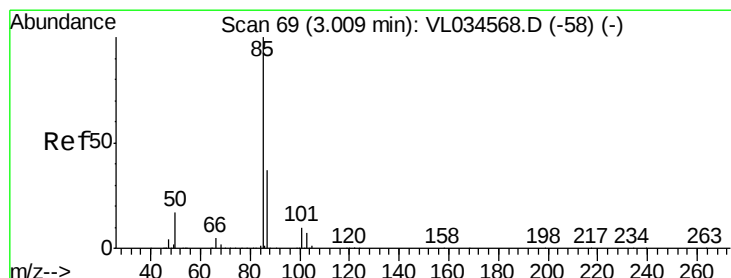
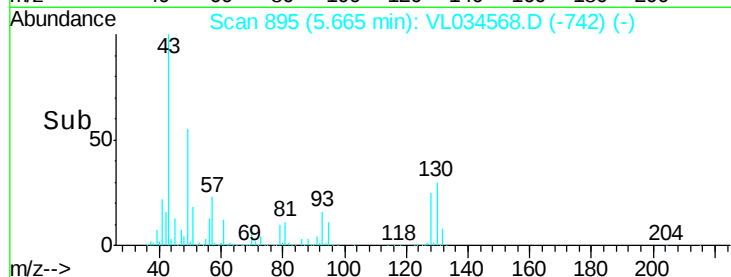
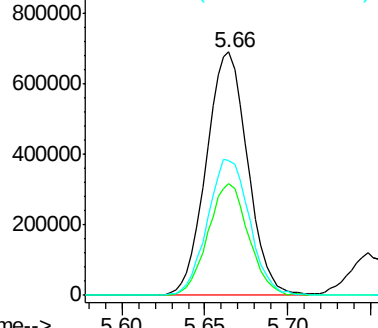
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 11.995 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.01 min

Lab File: VL034568.D

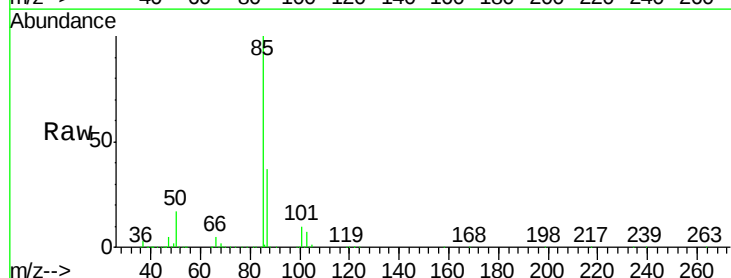
Acq: 30 Jan 2020 12:05

Tgt Ion: 85 Resp: 2248101

Ion Ratio Lower Upper

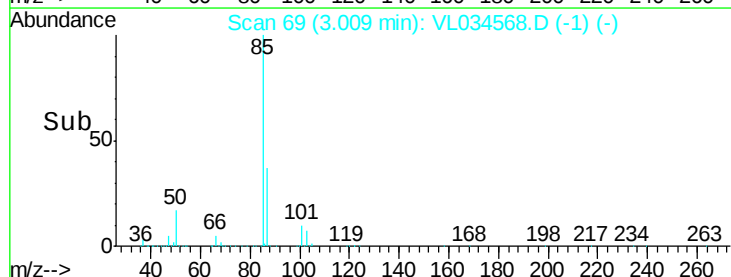
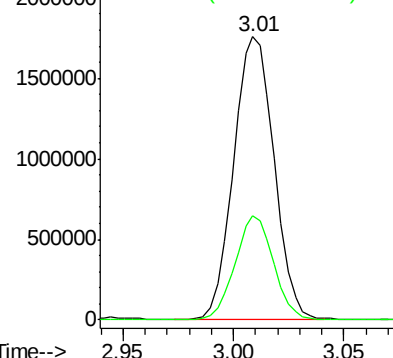
85 100

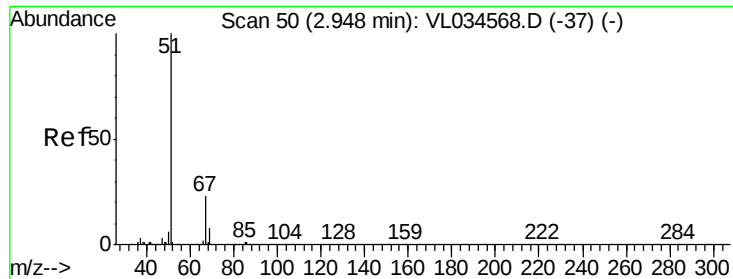
87 36.9 27.9 41.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.028 ppbv

RT: 2.95 min Scan# 50

Delta R.T. -0.01 min

Lab File: VL034568.D

Acq: 30 Jan 2020 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 51 Resp: 1278316

Ion Ratio Lower Upper

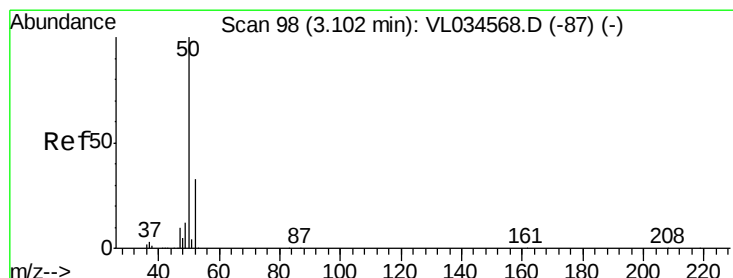
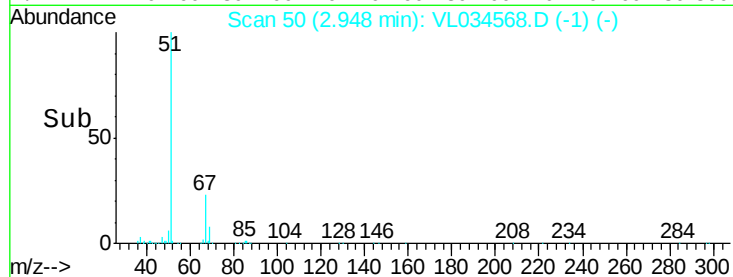
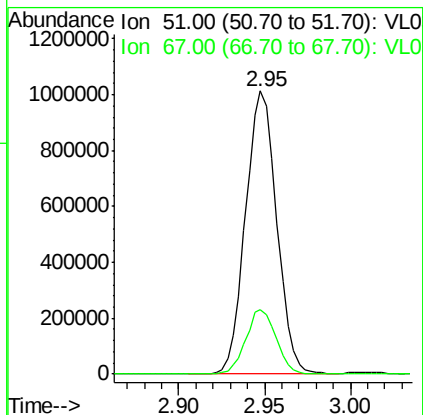
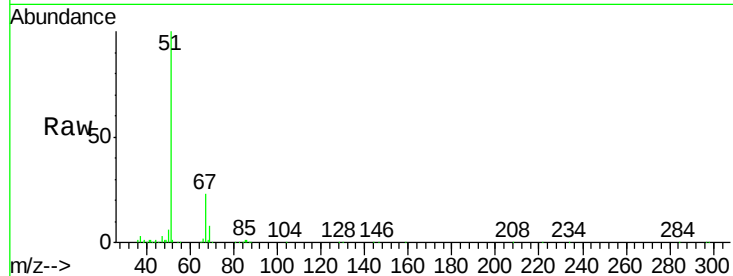
51 100

67 22.3 16.8 25.2

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#4

Chloromethane

Concen: 9.261 ppbv

RT: 3.10 min Scan# 98

Delta R.T. -0.01 min

Lab File: VL034568.D

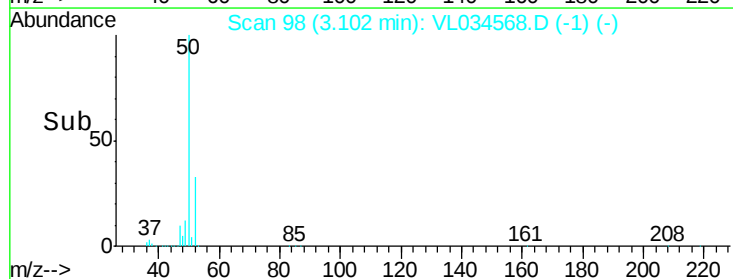
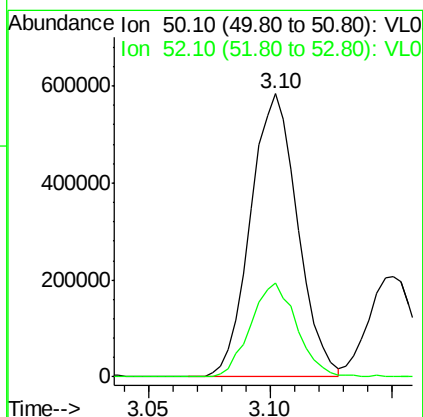
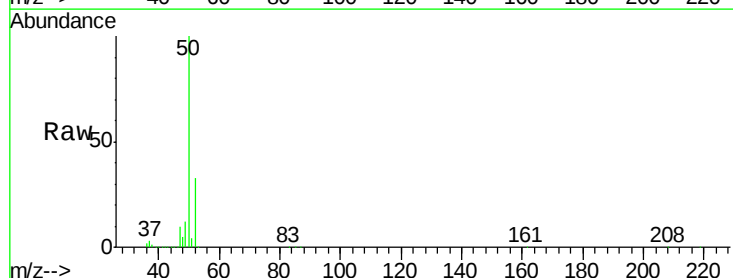
Acq: 30 Jan 2020 12:05

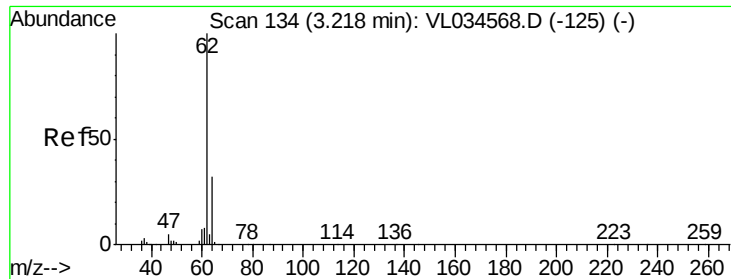
Tgt Ion: 50 Resp: 778907

Ion Ratio Lower Upper

50 100

52 33.2 27.6 41.4





#5

Vinyl Chloride

Concen: 8.952 ppbv

RT: 3.22 min Scan# 134

Delta R.T. -0.01 min

Lab File: VL034568.D

Acq: 30 Jan 2020 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 737262

Ion Ratio Lower Upper

62 100

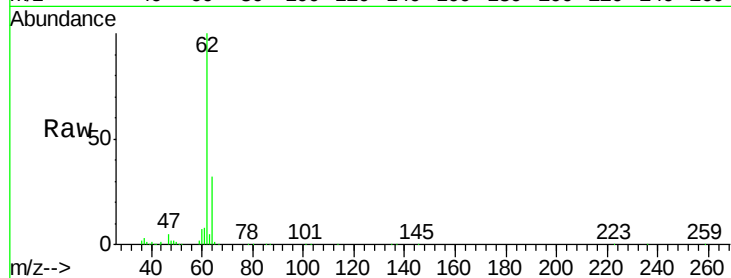
64 32.2 24.9 37.3

Manual Integrations

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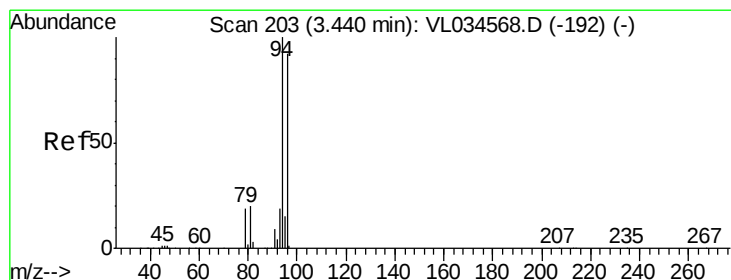
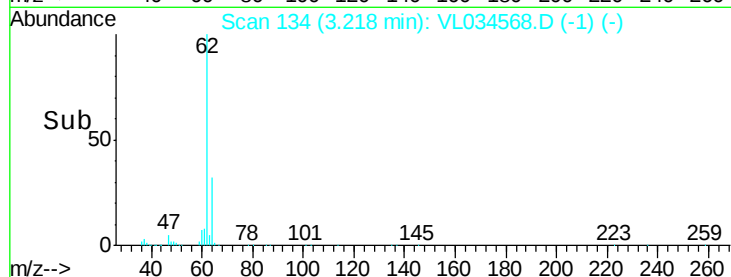
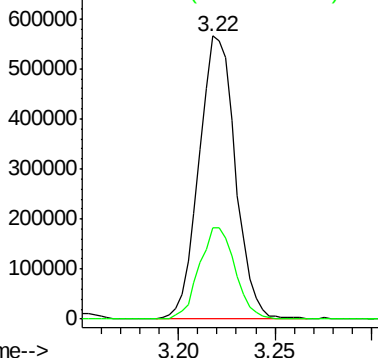
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.752 ppbv

RT: 3.44 min Scan# 203

Delta R.T. -0.01 min

Lab File: VL034568.D

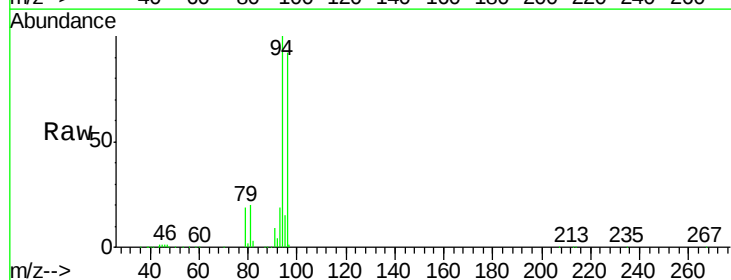
Acq: 30 Jan 2020 12:05

Tgt Ion: 94 Resp: 399811

Ion Ratio Lower Upper

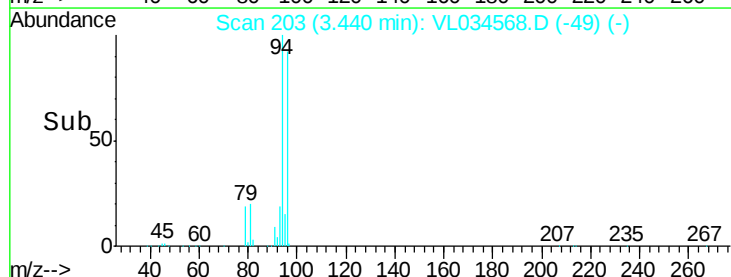
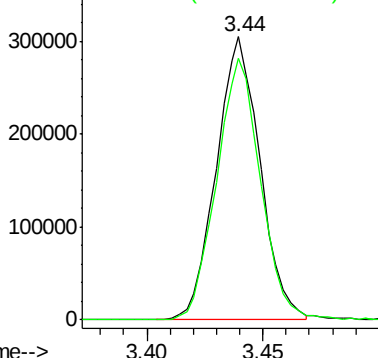
94 100

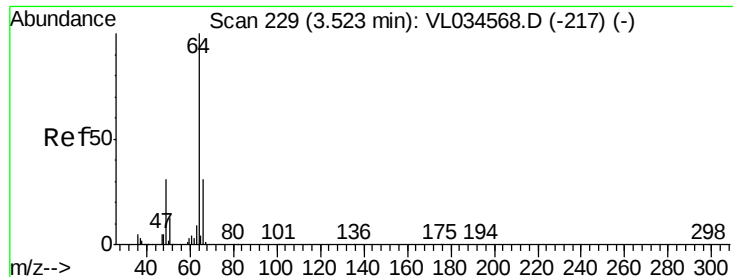
96 92.3 71.2 106.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.762 ppbv

RT: 3.52 min Scan# 229

Delta R.T. -0.01 min

Lab File: VL034568.D

Acq: 30 Jan 2020 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 280168

Ion Ratio Lower Upper

64 100

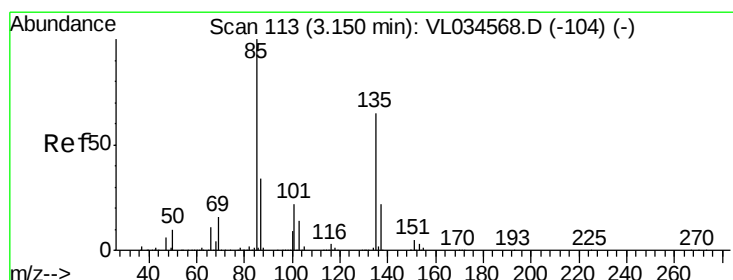
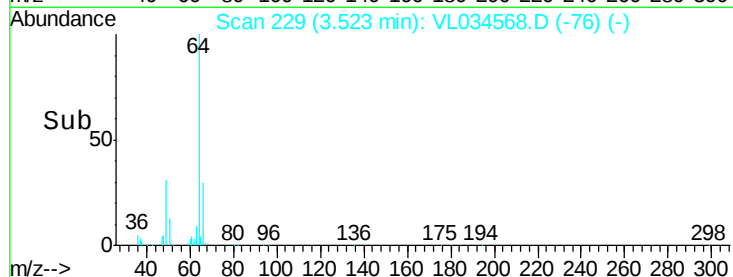
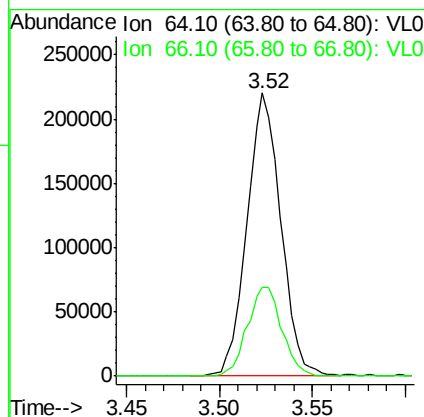
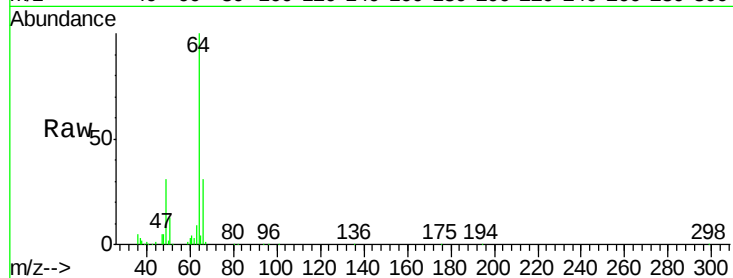
66 31.2 25.0 37.4

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#8

Dichlorotetrafluoroethane

Concen: 9.349 ppbv

RT: 3.15 min Scan# 113

Delta R.T. -0.01 min

Lab File: VL034568.D

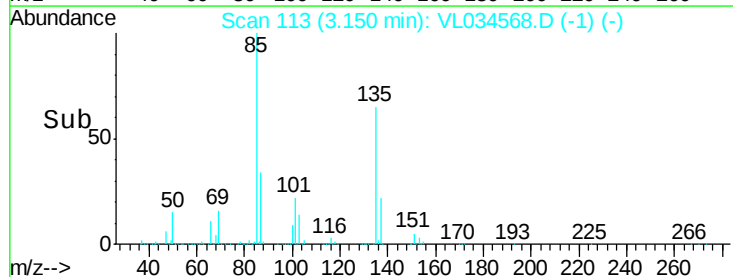
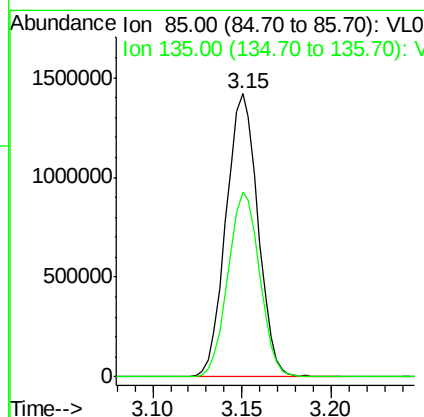
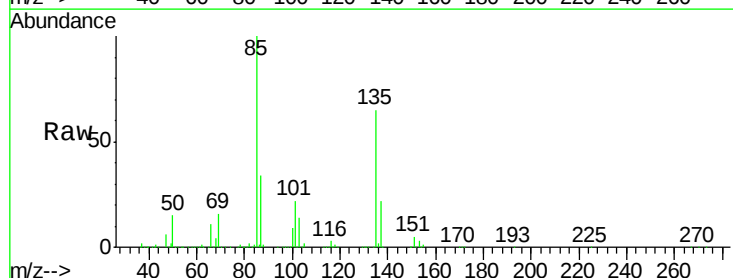
Acq: 30 Jan 2020 12:05

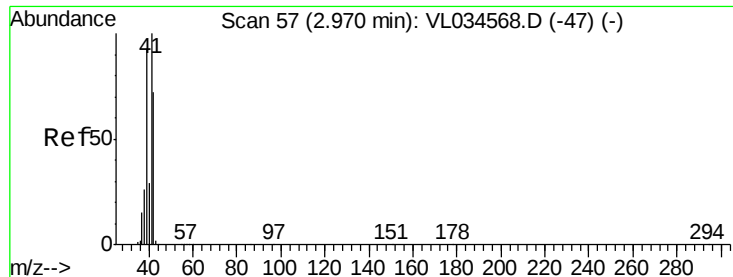
Tgt Ion: 85 Resp: 1757271

Ion Ratio Lower Upper

85 100

135 65.2 51.8 77.8





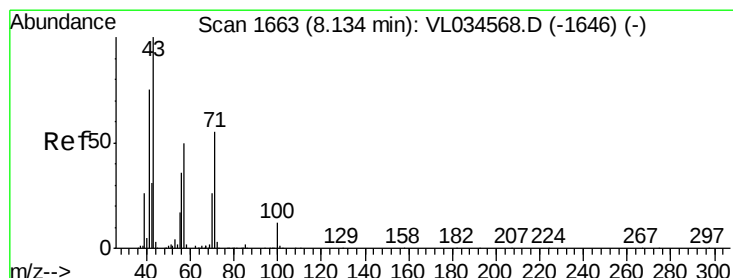
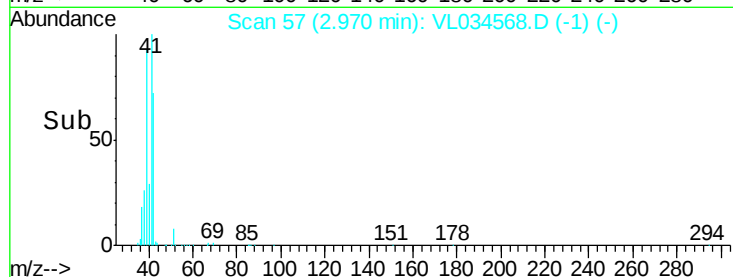
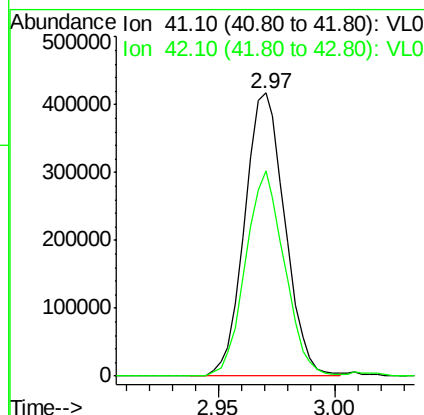
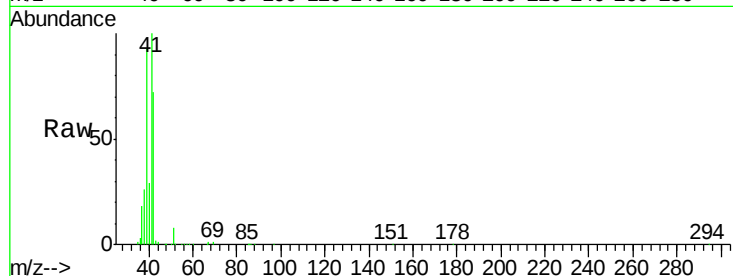
#9
 Propene
 Concen: 9.235 ppbv
 RT: 2.97 min Scan# 57
 Delta R.T. -0.01 min
 Lab File: VL034568.D
 Acq: 30 Jan 2020 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 41 Resp: 504161
 Ion Ratio Lower Upper
 41 100
 42 71.2 55.8 83.6

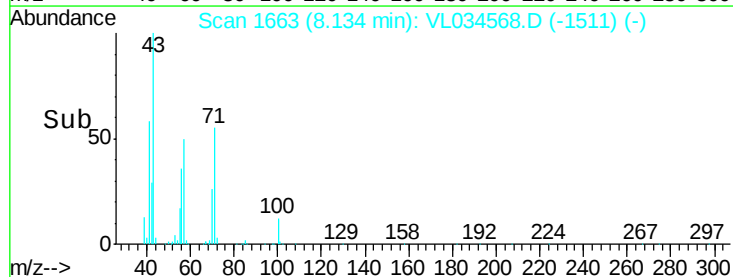
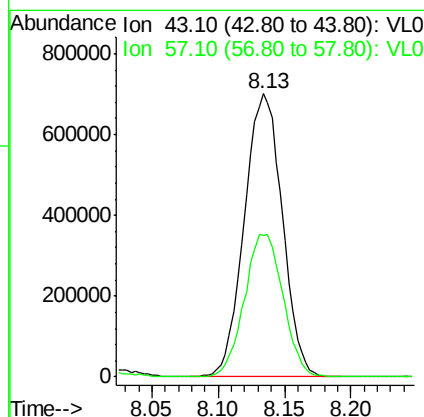
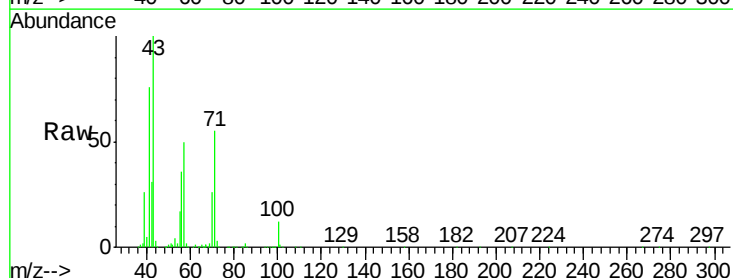
Manual Integrations
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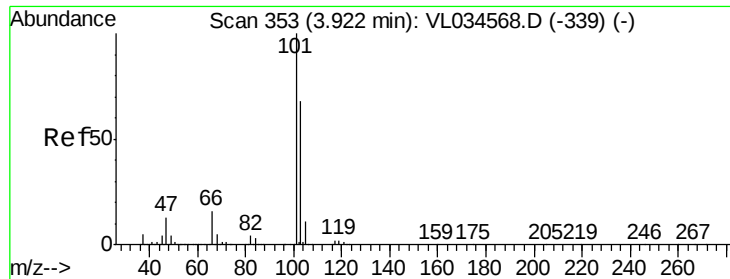
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#10
 Heptane
 Concen: 9.875 ppbv
 RT: 8.13 min Scan# 1663
 Delta R.T. -0.01 min
 Lab File: VL034568.D
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Tgt Ion: 43 Resp: 1392182
 Ion Ratio Lower Upper
 43 100
 57 51.5 41.0 61.6





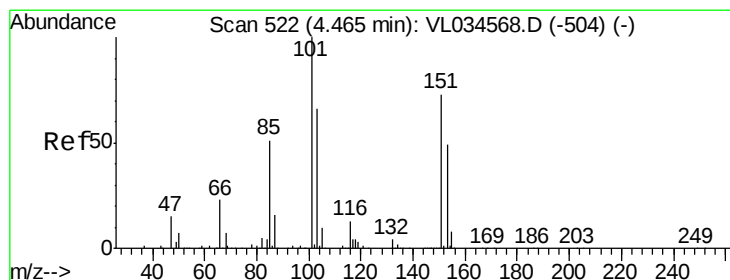
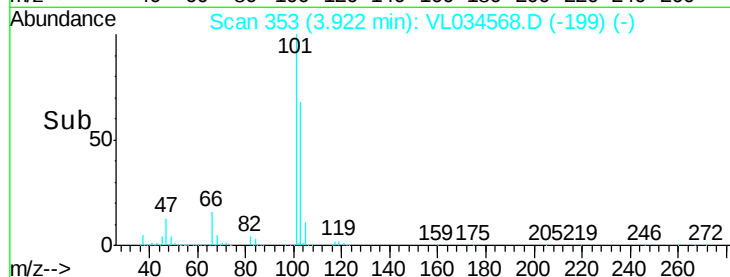
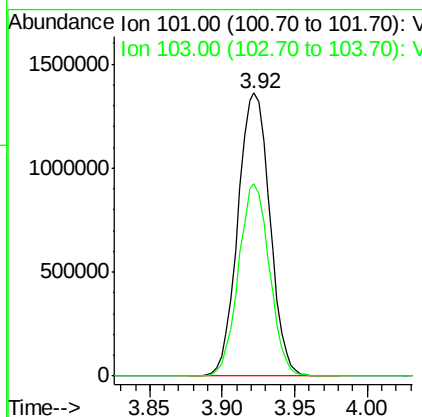
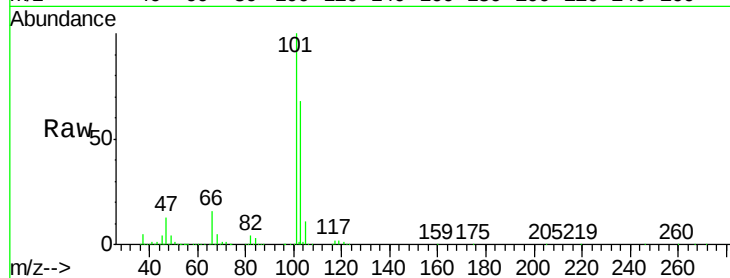
#11
 Trichlorofluoromethane
 Concen: 9.630 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VL034568.D
 Acq: 30 Jan 2020 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:101 Resp: 2088615
 Ion Ratio Lower Upper
 101 100
 103 68.0 52.1 78.1

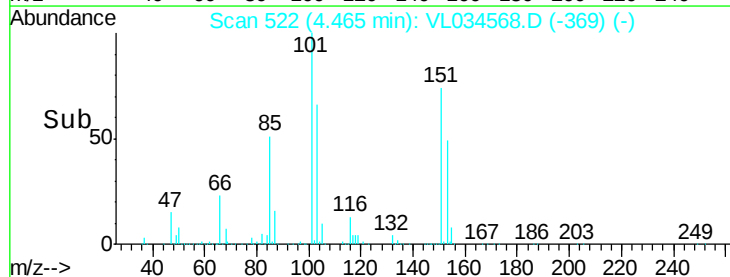
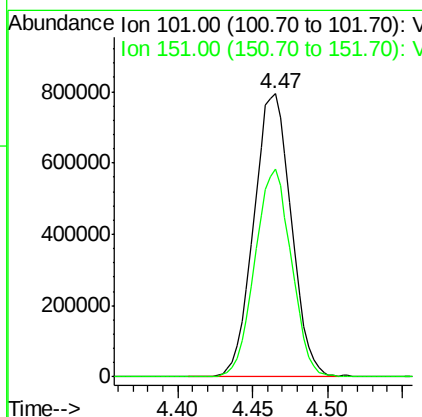
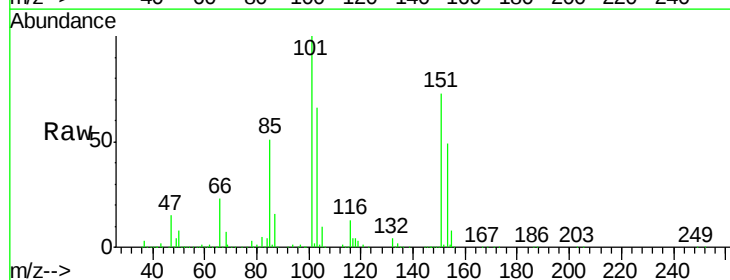
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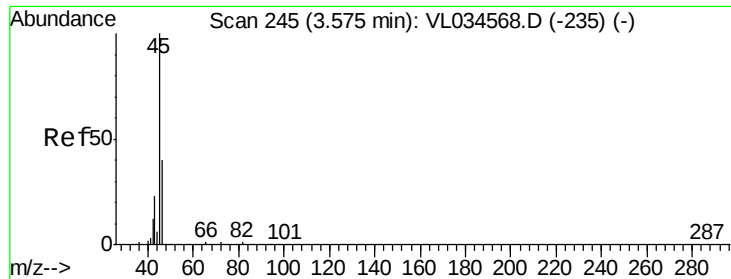
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.046 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. -0.01 min
 Lab File: VL034568.D
 Acq: 30 Jan 2020 12:05

Tgt Ion:101 Resp: 1385809
 Ion Ratio Lower Upper
 101 100
 151 71.3 57.8 86.6





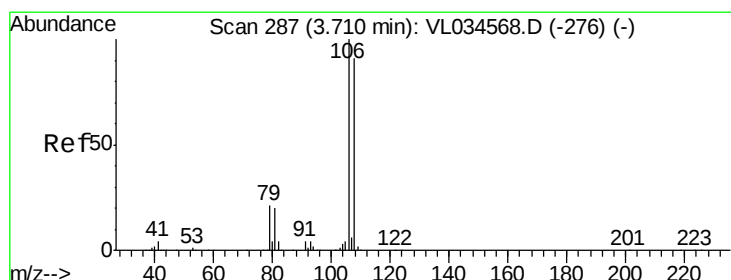
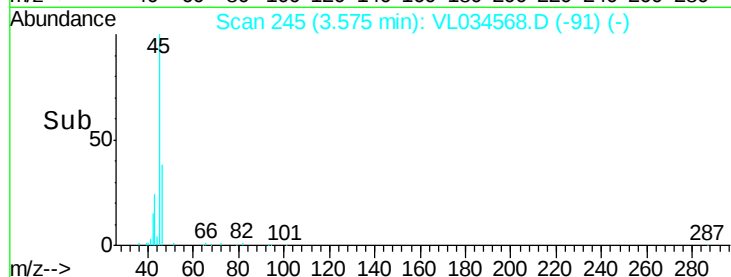
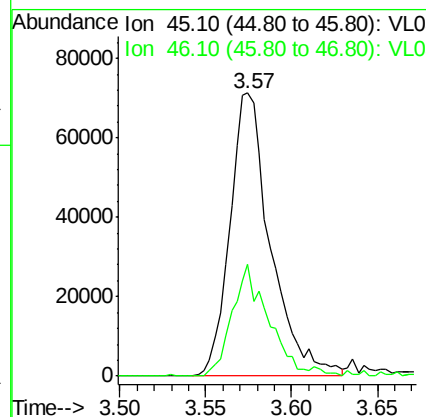
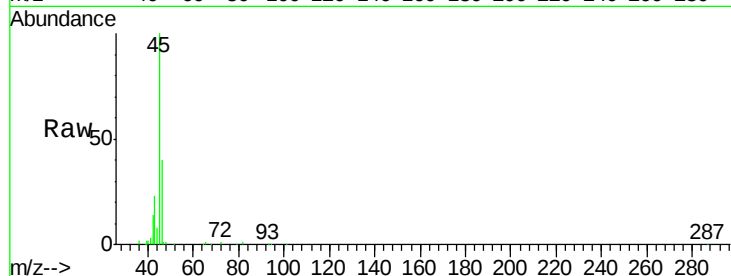
#13
Ethanol
Concen: 7.767 ppbv
RT: 3.57 min Scan# 245
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 45 Resp: 117638
Ion Ratio Lower Upper
45 100
46 37.0 14.9 59.7

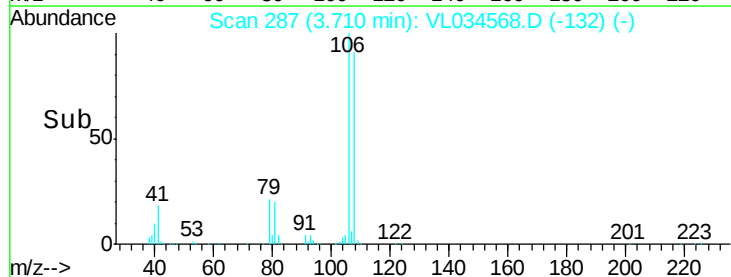
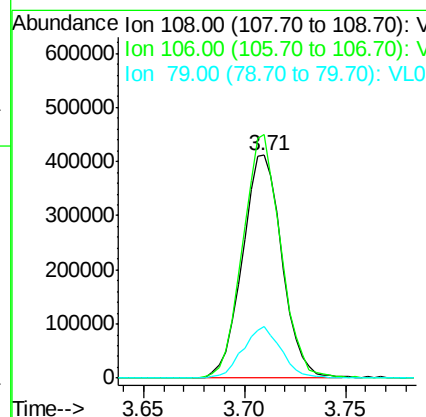
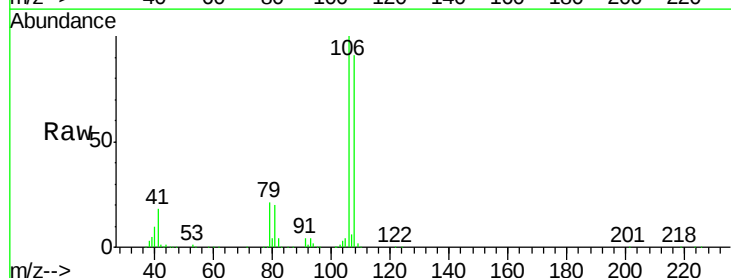
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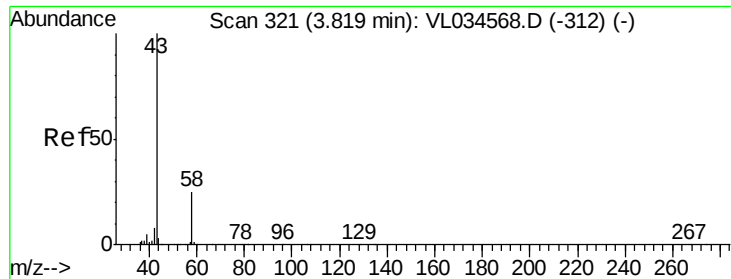
MMDadoda
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#14
Bromoethene
Concen: 10.178 ppbv
RT: 3.71 min Scan# 287
Delta R.T. -0.00 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 108 Resp: 567877
Ion Ratio Lower Upper
108 100
106 105.8 85.2 127.8
79 22.7 17.4 26.2





#15

Acetone

Concen: 8.404 ppbv

RT: 3.82 min Scan# 321

Delta R.T. -0.01 min

Lab File: VL034568.D

Acq: 30 Jan 2020 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 1457476

Ion Ratio Lower Upper

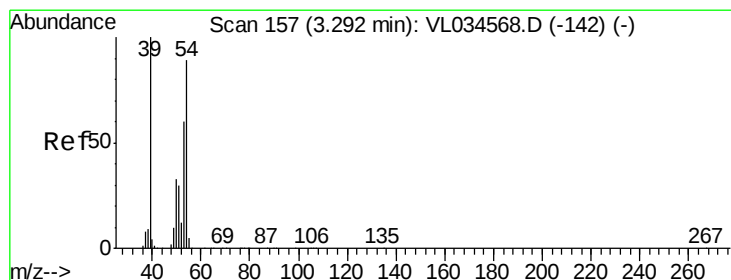
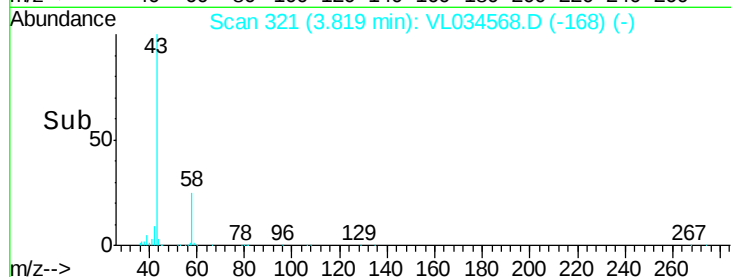
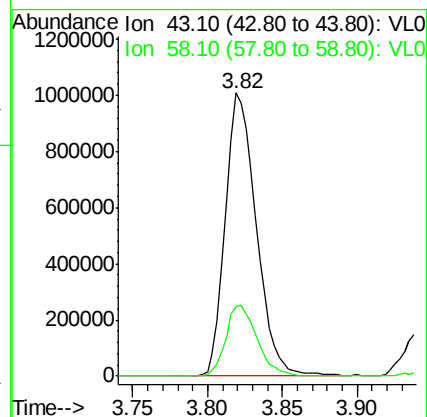
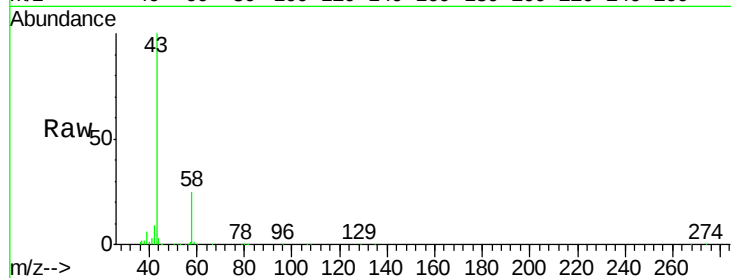
43 100

58 25.4 20.4 30.6

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#16

1,3-Butadiene

Concen: 9.970 ppbv

RT: 3.29 min Scan# 157

Delta R.T. -0.01 min

Lab File: VL034568.D

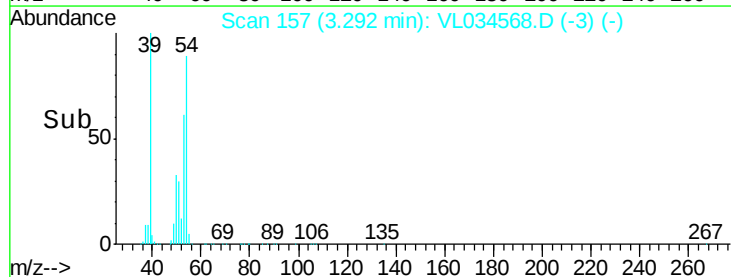
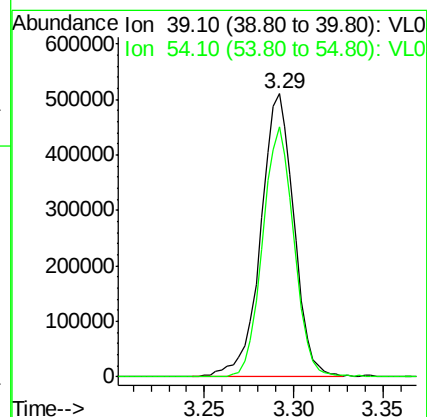
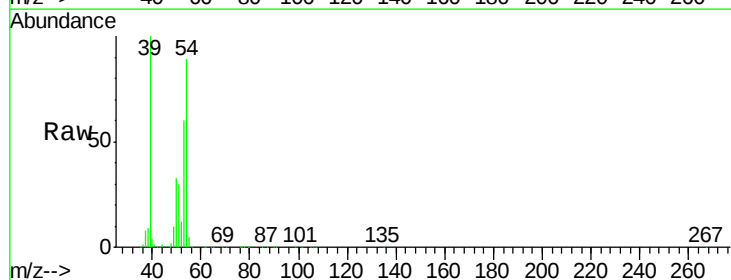
Acq: 30 Jan 2020 12:05

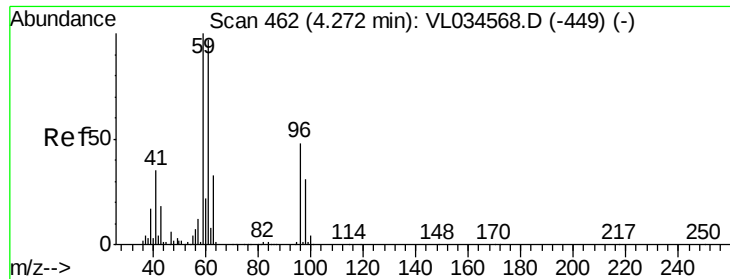
Tgt Ion: 39 Resp: 665039

Ion Ratio Lower Upper

39 100

54 83.4 66.2 99.2





#17

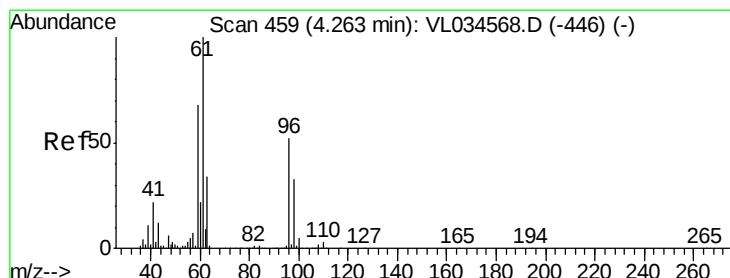
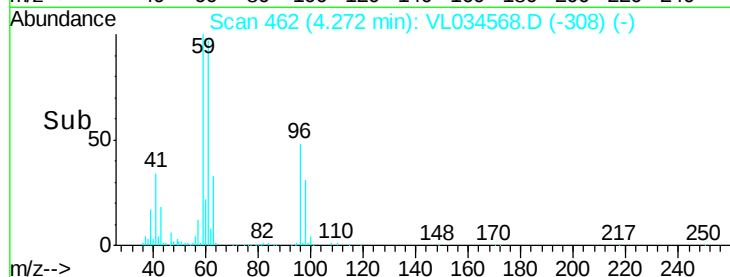
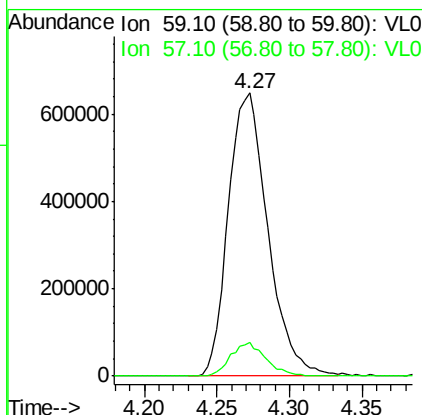
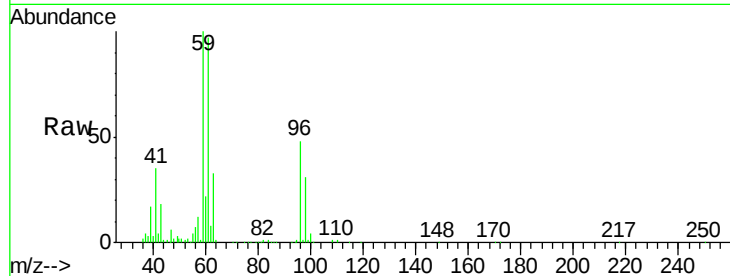
tert-Butyl alcohol
Concen: 8.844 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 59 Resp: 1228135
Ion Ratio Lower Upper
59 100
57 10.9 8.6 12.8

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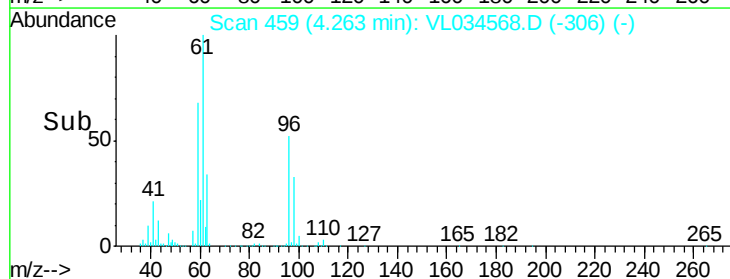
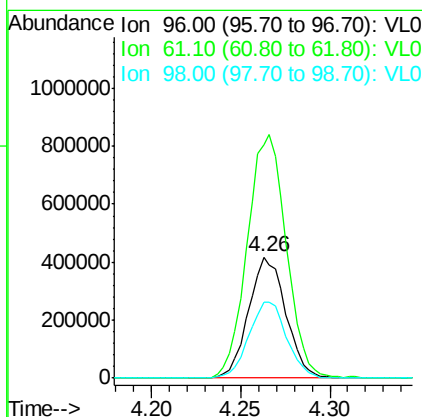
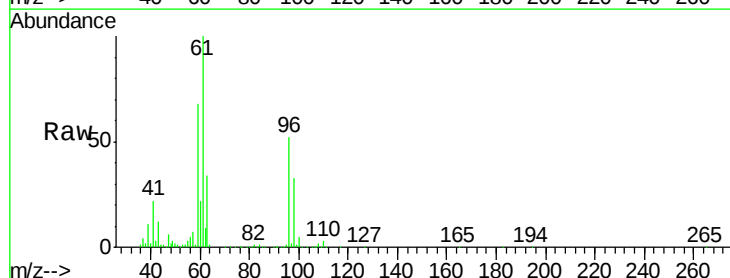
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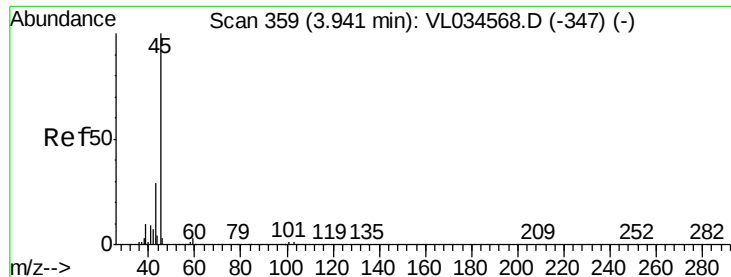


#18

1,1-Dichloroethene
Concen: 10.102 ppbv
RT: 4.26 min Scan# 459
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 96 Resp: 607026
Ion Ratio Lower Upper
96 100
61 193.1 165.9 248.9
98 62.9 51.9 77.9





#19

Isopropyl Alcohol

Concen: 8.332 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.01 min

Lab File: VL034568.D

Acq: 30 Jan 2020 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 45 Resp: 935438

Ion Ratio Lower Upper

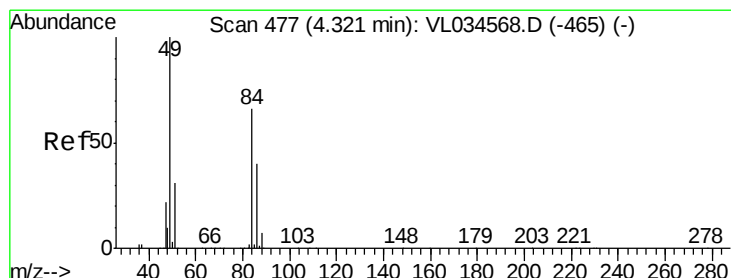
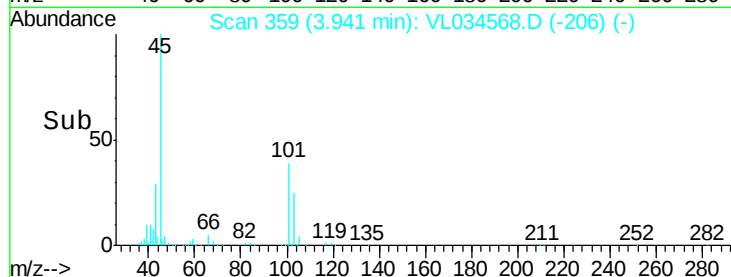
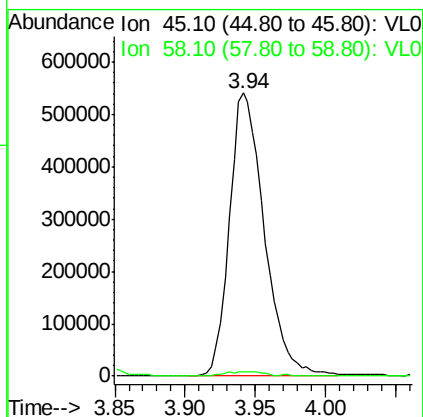
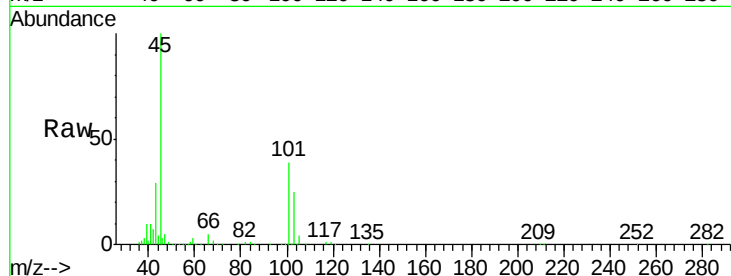
45 100

58 2.1 1.4 2.0#

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#20

Methylene Chloride

Concen: 7.933 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.01 min

Lab File: VL034568.D

Acq: 30 Jan 2020 12:05

Tgt Ion: 84 Resp: 541338

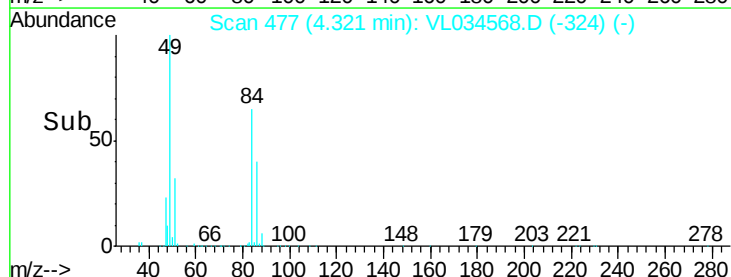
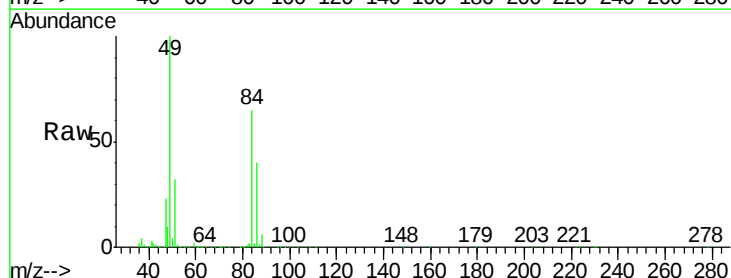
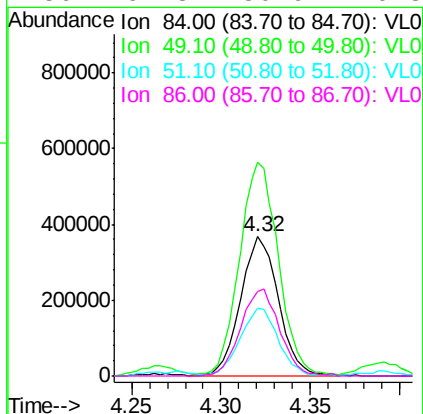
Ion Ratio Lower Upper

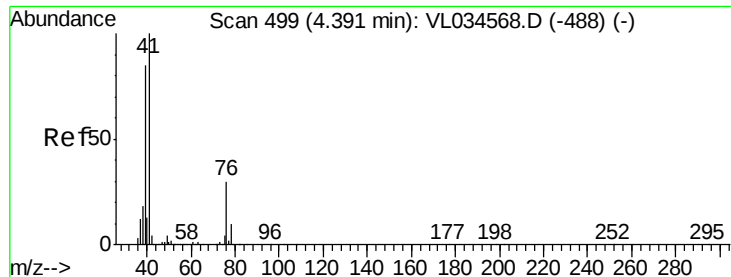
84 100

49 153.0 124.4 186.6

51 48.2 37.0 55.6

86 61.3 50.9 76.3





#21

Allvl Chloride

Concen: 10.229 ppbv

RT: 4.39 min Scan# 499

Delta R.T. -0.01 min

Lab File: VL034568.D

Acq: 30 Jan 2020 12:05

Instrument :

MSVOA_L

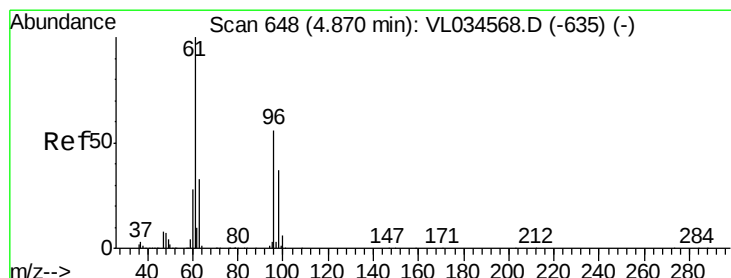
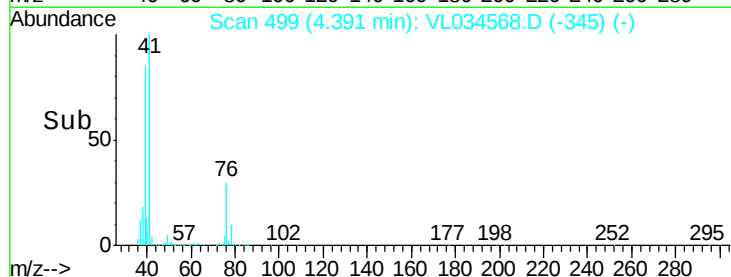
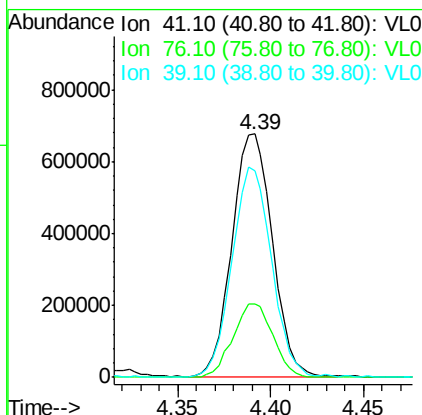
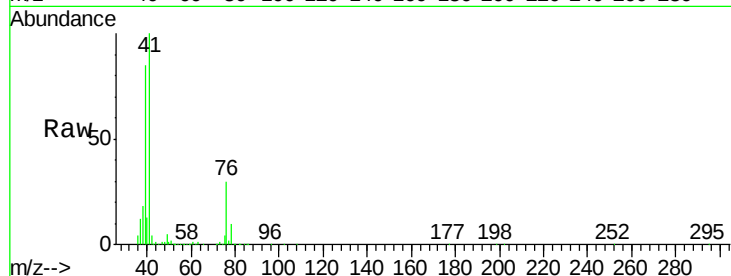
ClientSampleId :

VSTDICCC010

Tot Ion:	41	Resp:	1019617
Ion	Ratio	Lower	Upper
41	100		
76	30.2	24.2	36.4
39	85.4	65.8	98.6

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#22

trans-1,2-Dichloroethene

Concen: 10.379 ppbv

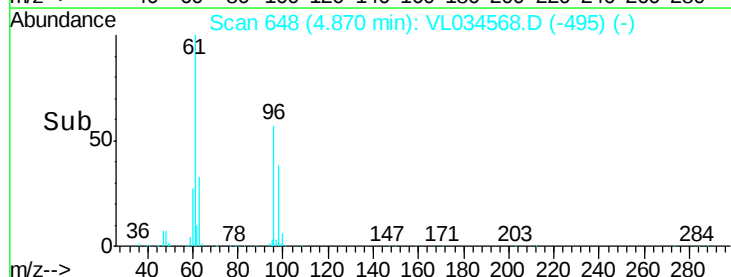
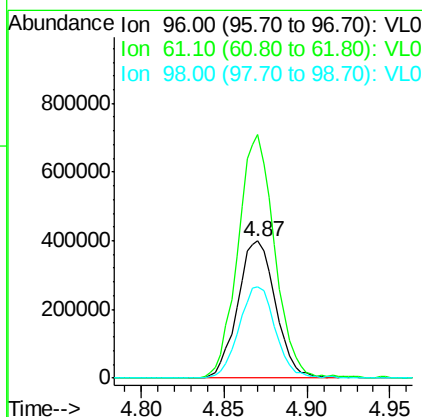
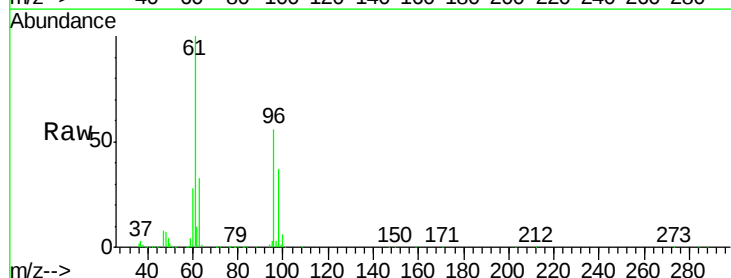
RT: 4.87 min Scan# 648

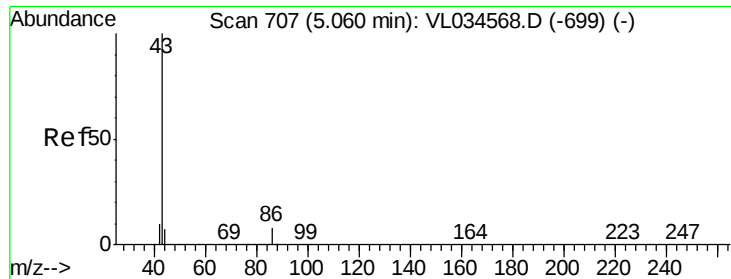
Delta R.T. -0.01 min

Lab File: VL034568.D

Acq: 30 Jan 2020 12:05

Tgt Ion:	96	Resp:	634345
Ion	Ratio	Lower	Upper
96	100		
61	177.4	128.4	192.6
98	66.4	50.6	75.8





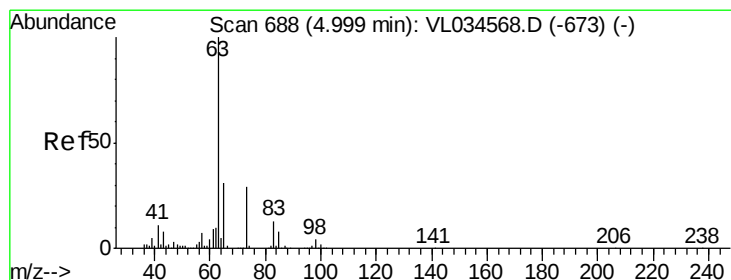
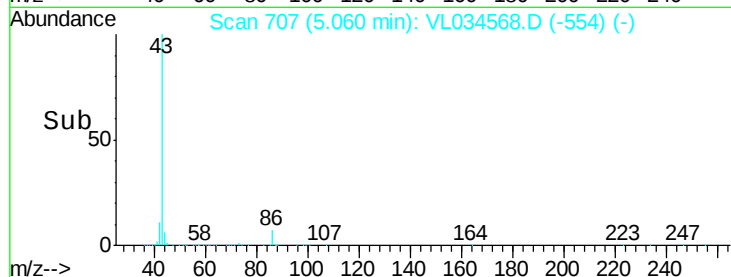
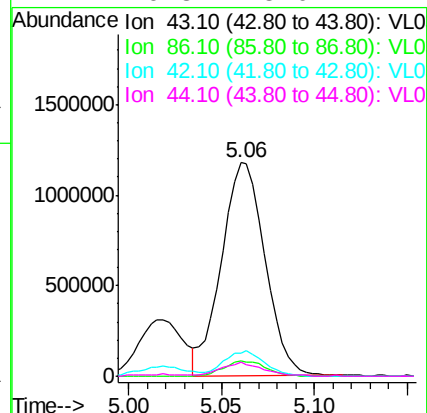
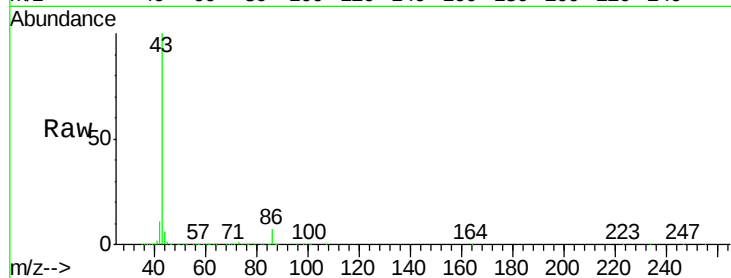
#23
 Vinyl Acetate
 Concen: 9.560 ppbv
 RT: 5.06 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VL034568.D
 Acq: 30 Jan 2020 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	43	Resp	1914146
Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.4	8.2
42	11.0	8.9	13.3
44	6.3	5.0	7.4

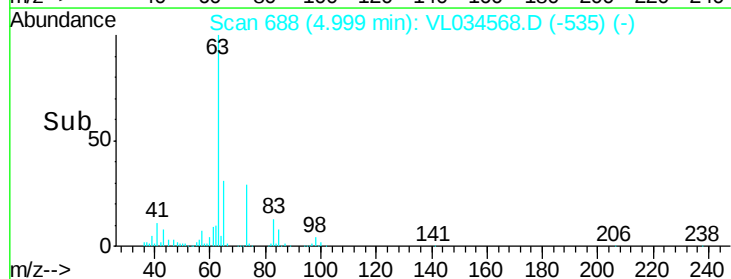
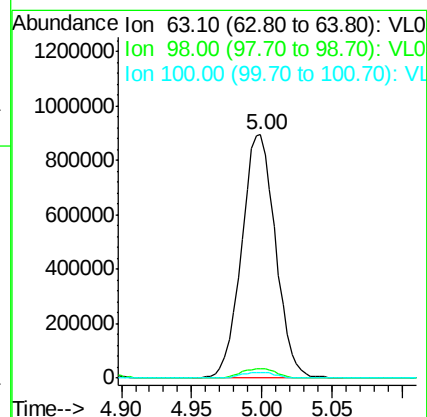
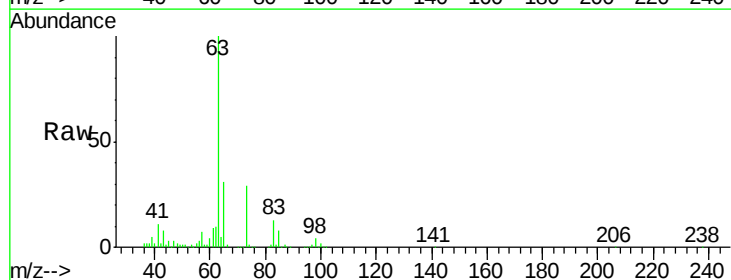
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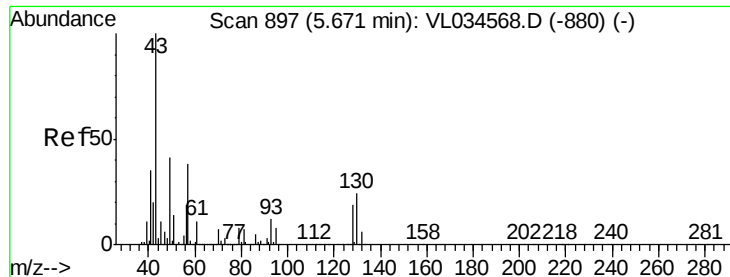
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#24
 1,1-Dichloroethane
 Concen: 9.362 ppbv
 RT: 5.00 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: VL034568.D
 Acq: 30 Jan 2020 12:05

Tgt Ion	63	Resp	1506024
Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.3
100	2.3	1.1	3.3





#25

Ethyl Acetate

Concen: 9.513 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.01 min

Lab File: VL034568.D

Acq: 30 Jan 2020 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 2576523

Ion Ratio Lower Upper

43 100

45 10.6 8.3 12.5

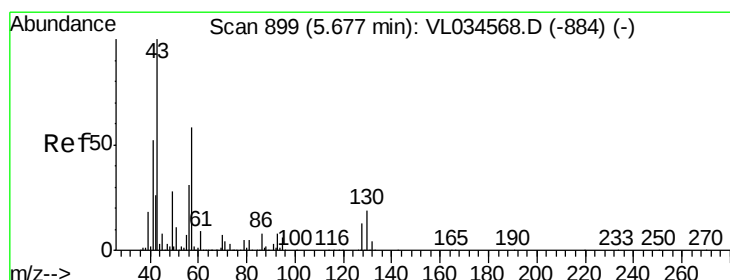
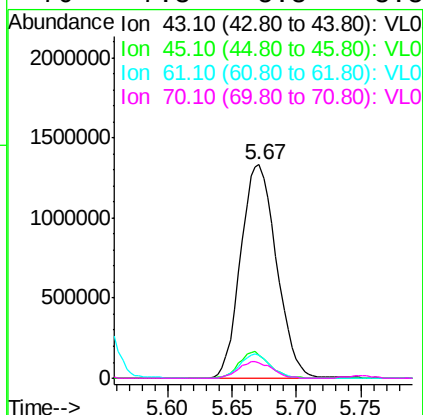
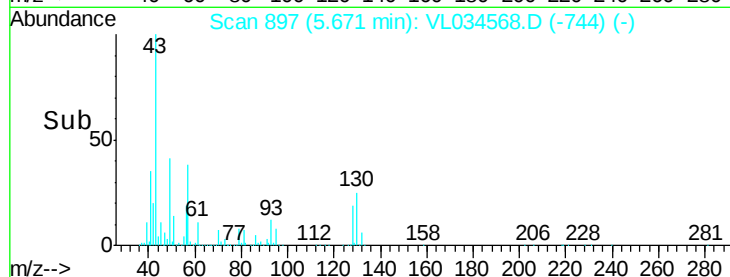
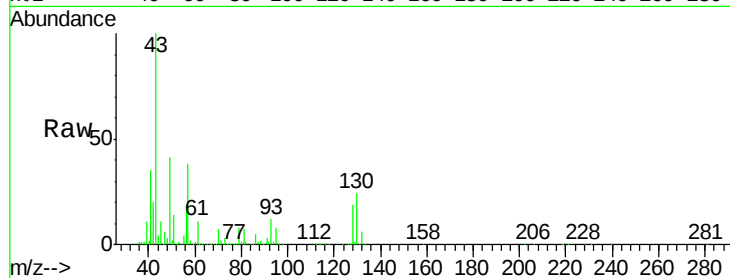
61 9.7 7.8 11.6

70 7.3 5.8 8.8

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#26

Hexane

Concen: 9.566 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.01 min

Lab File: VL034568.D

Acq: 30 Jan 2020 12:05

Tgt Ion: 57 Resp: 1091724

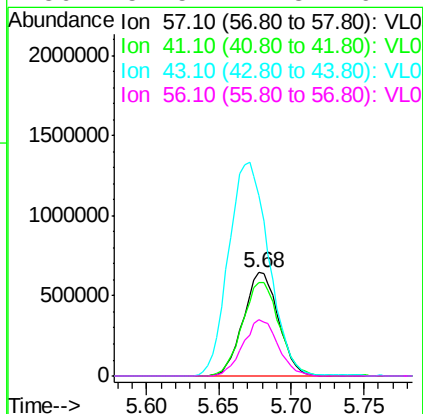
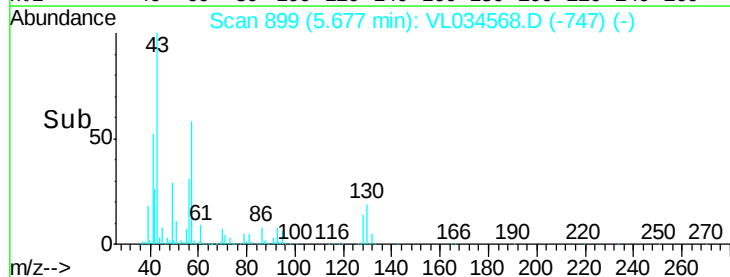
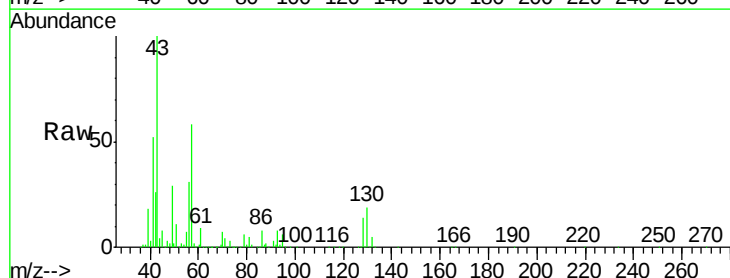
Ion Ratio Lower Upper

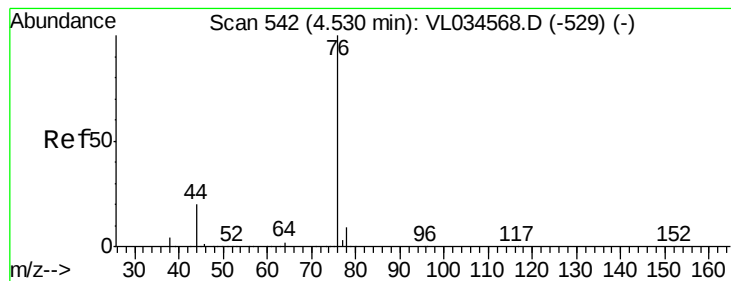
57 100

41 95.2 75.3 112.9

43 237.4 189.4 284.2

56 54.5 42.8 64.2





#27

Carbon Disulfide

Concen: 11.150 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.01 min

Lab File: VL034568.D

Acq: 30 Jan 2020 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 76 Resp: 1608457

Ion Ratio Lower Upper

76 100

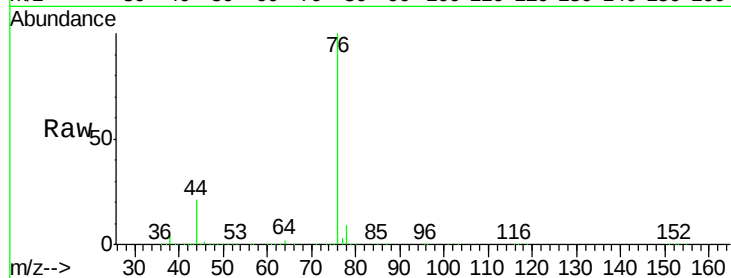
44 20.4 16.6 25.0

78 9.3 7.4 11.0

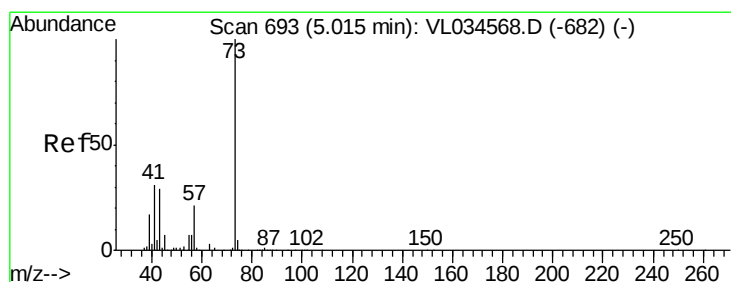
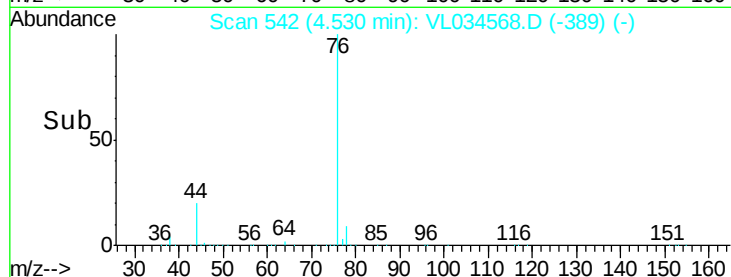
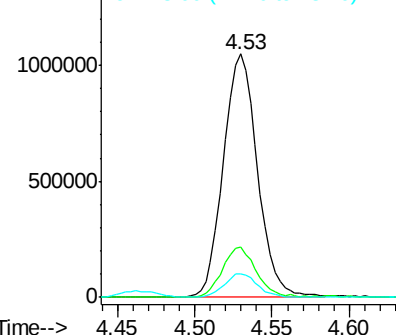
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.000 ppbv

RT: 5.02 min Scan# 693

Delta R.T. -0.01 min

Lab File: VL034568.D

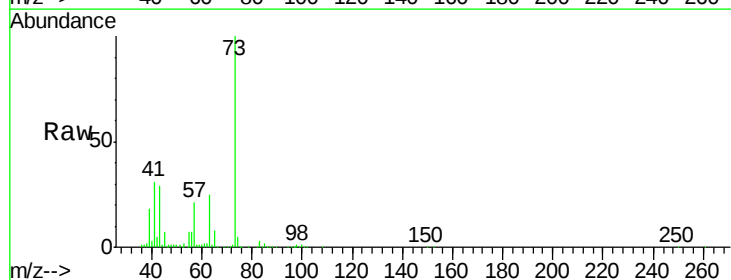
Acq: 30 Jan 2020 12:05

Tgt Ion: 73 Resp: 1906155

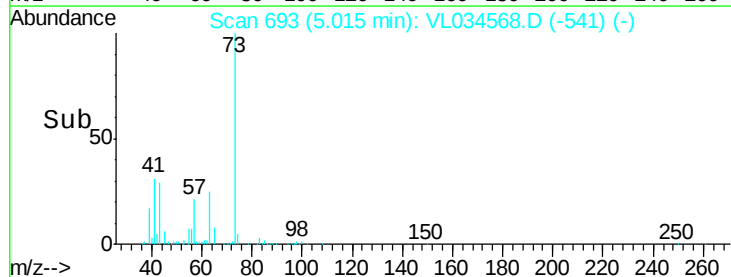
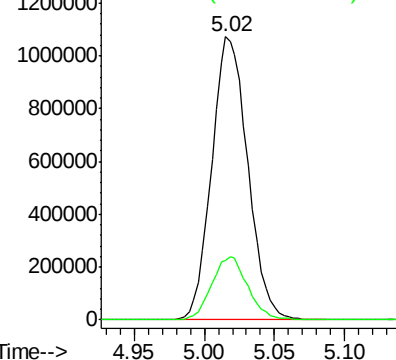
Ion Ratio Lower Upper

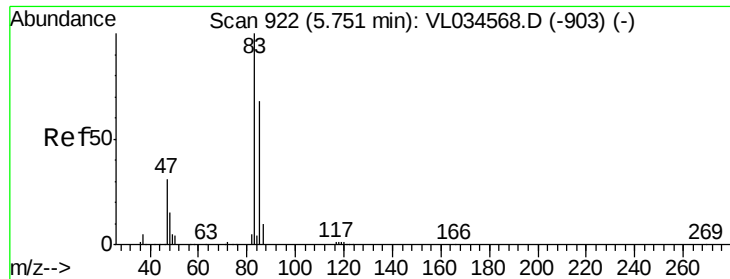
73 100

57 22.4 18.2 27.2



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





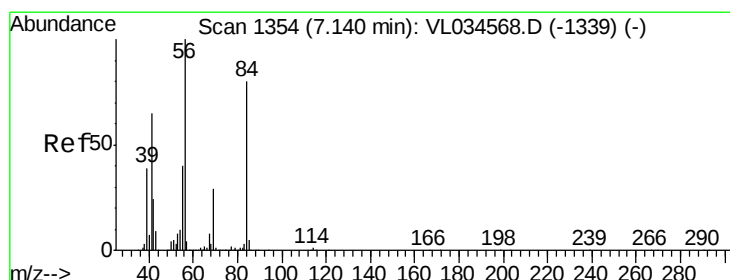
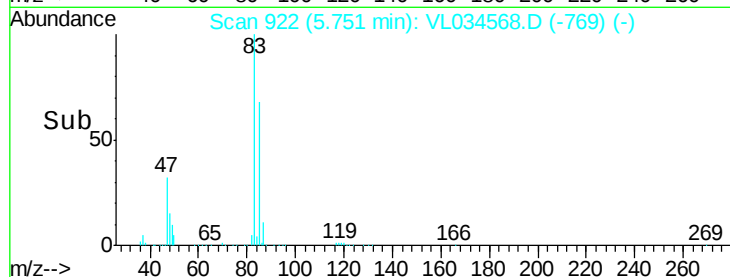
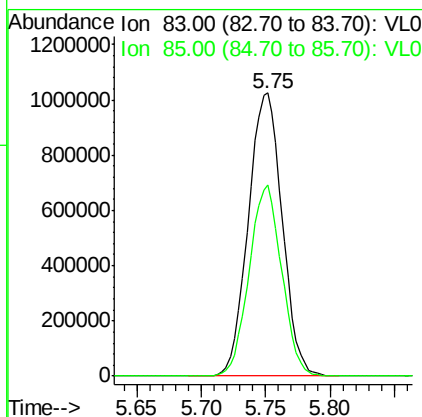
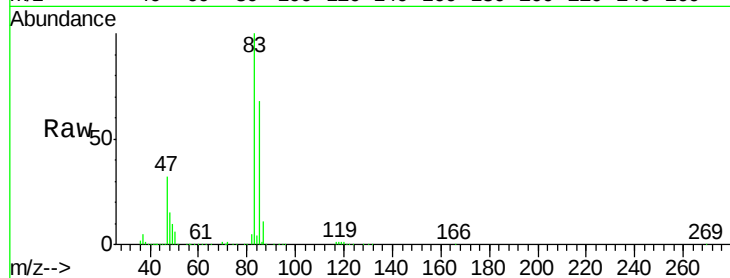
#29
Chloroform
Concen: 9.520 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 1880018
Ion Ratio Lower Upper
83 100
85 67.5 51.0 76.6

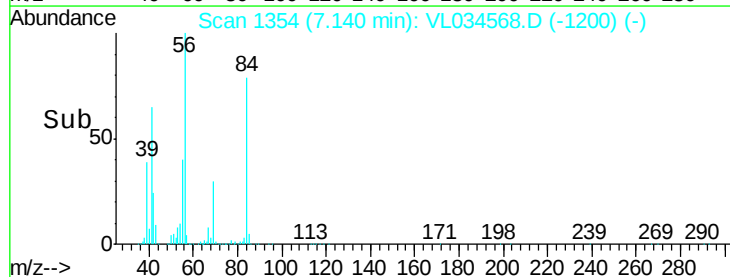
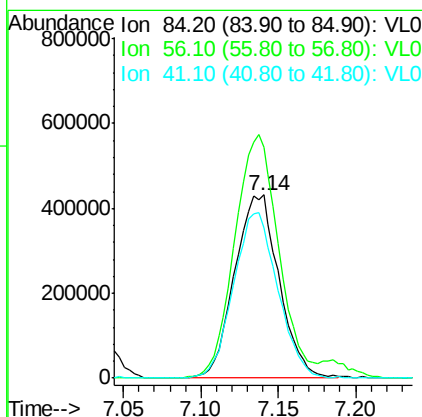
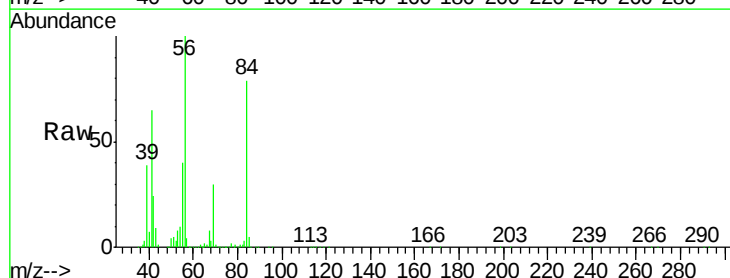
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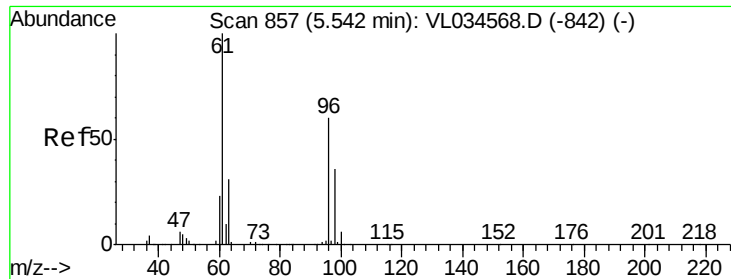
MMDadoda
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#30
Cyclohexane
Concen: 10.178 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 84 Resp: 863381
Ion Ratio Lower Upper
84 100
56 138.1 112.7 169.1
41 89.9 73.0 109.4





#31

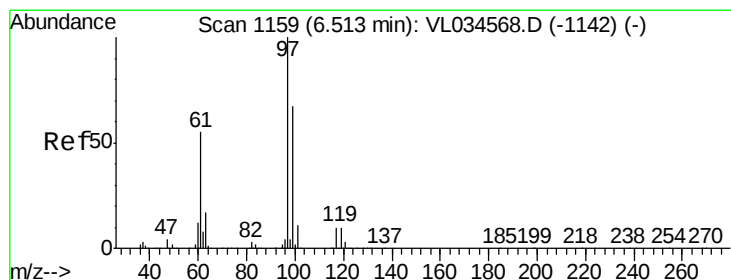
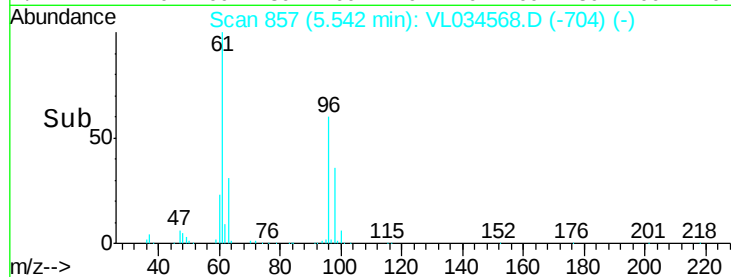
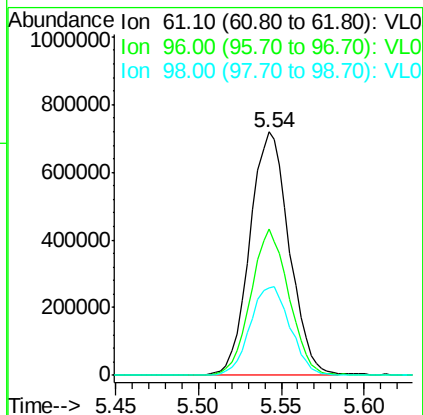
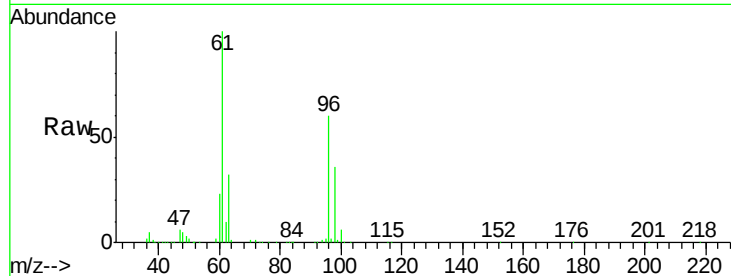
cis-1,2-Dichloroethene
Concen: 10.202 ppbv
RT: 5.54 min Scan# 857
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	60.0	47.1	70.7
98	35.8	31.0	46.6

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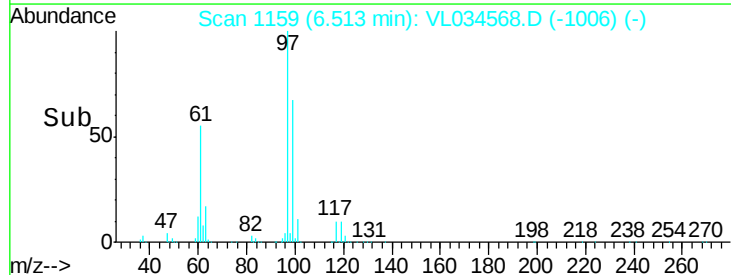
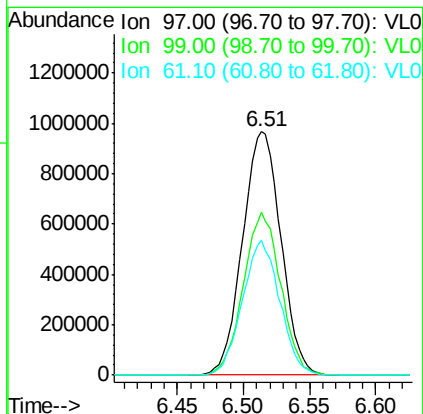
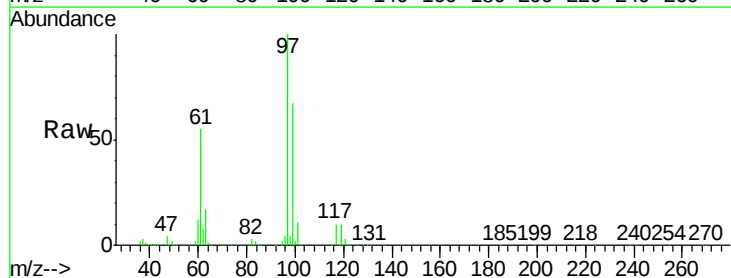
MMDadoda
1/31/2020 4:25:54 PM

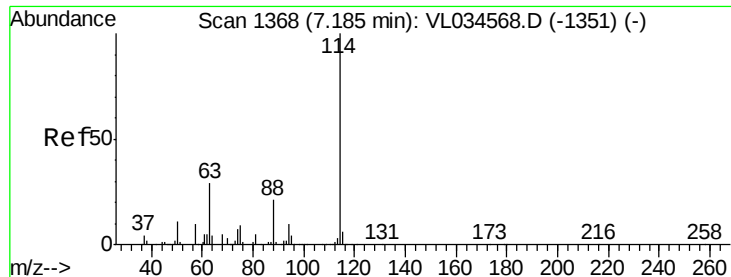


#32

1,1,1-Trichloroethane
Concen: 9.516 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.7	77.5
61	53.7	42.9	64.3





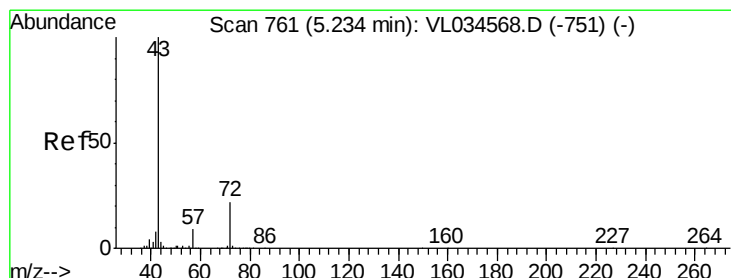
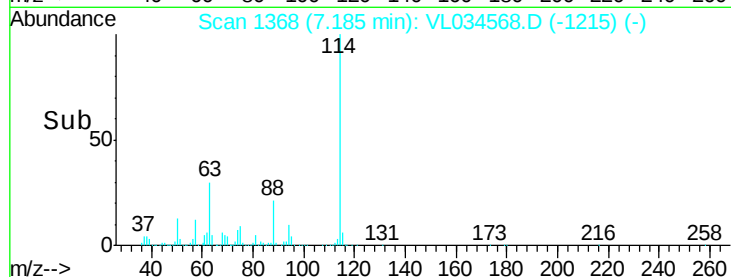
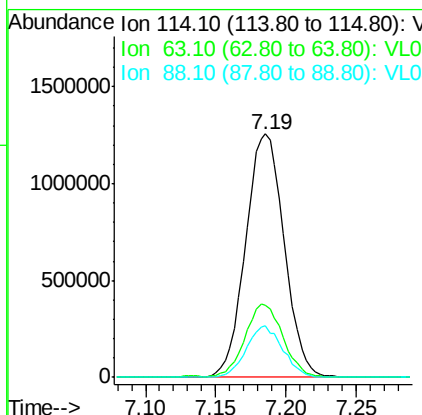
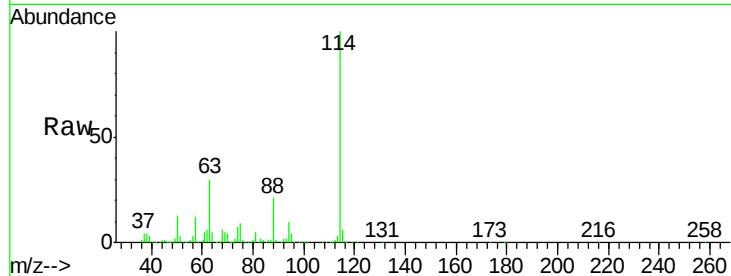
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VL034568.D
 Acq: 30 Jan 2020 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	30.1	24.1	36.1
88	19.9	15.7	23.5

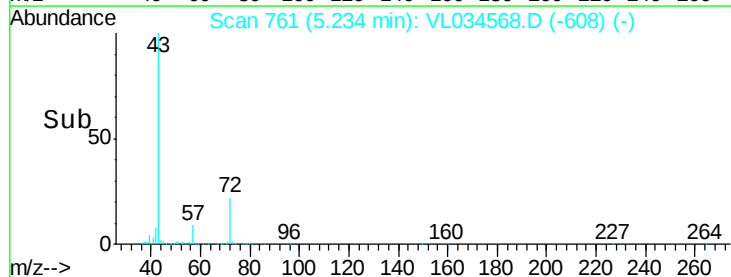
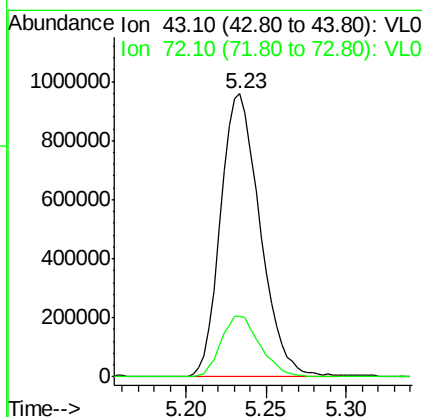
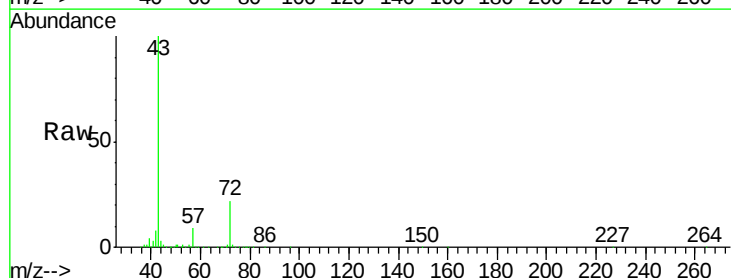
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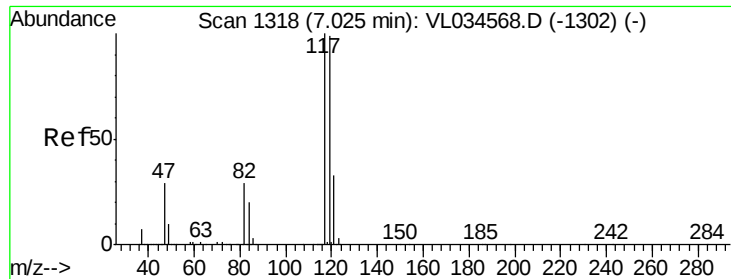
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#34
 2-Butanone
 Concen: 9.376 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VL034568.D
 Acq: 30 Jan 2020 12:05

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.5	17.0	25.4





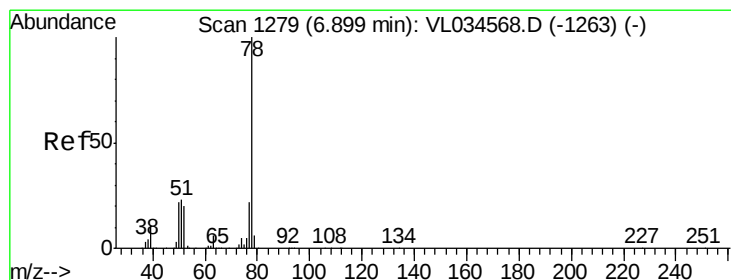
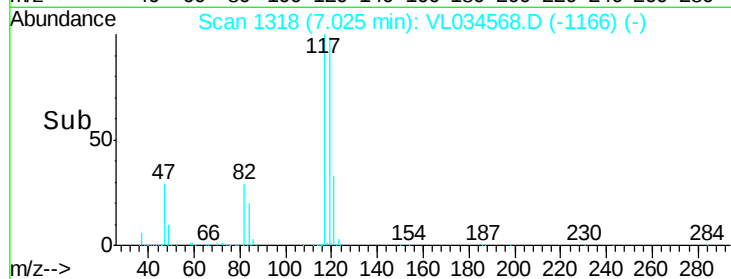
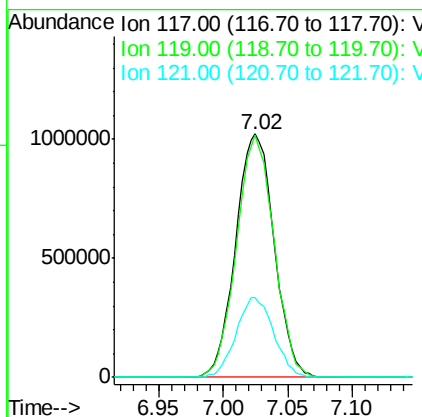
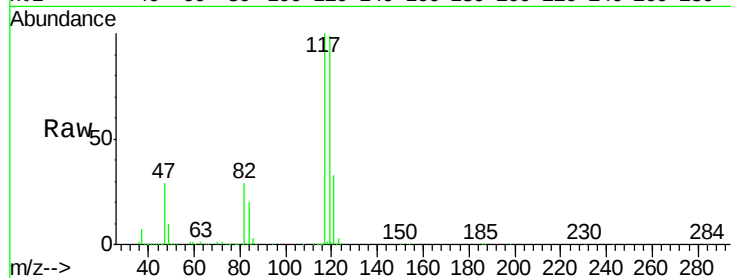
#35
Carbon Tetrachloride
Concen: 9.731 ppbv
RT: 7.02 min Scan# 1318
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:117 Resp: 2124035
Ion Ratio Lower Upper
117 100
119 99.4 78.7 118.1
121 32.7 25.9 38.9

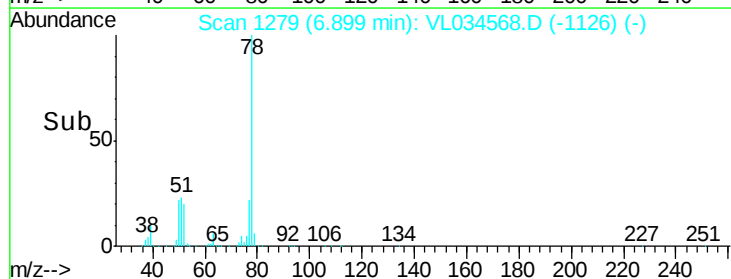
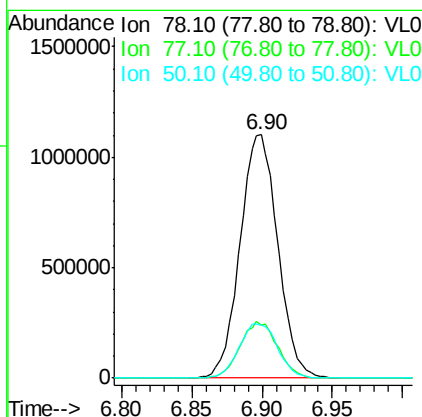
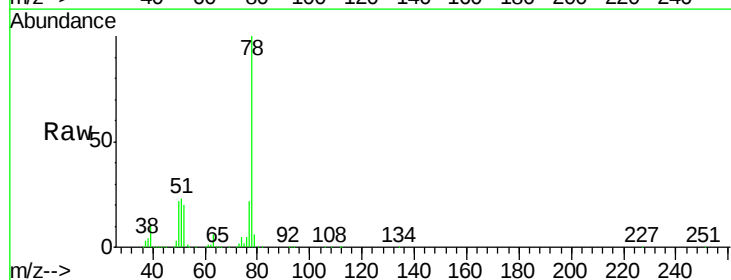
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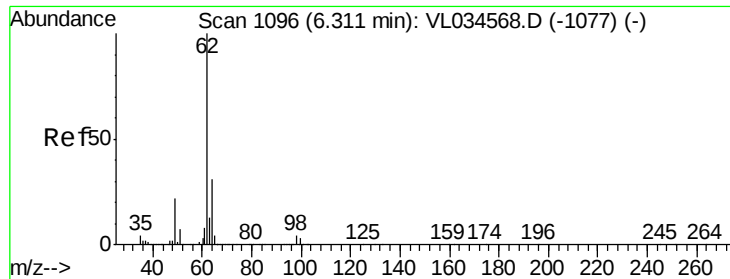
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#36
Benzene
Concen: 9.845 ppbv
RT: 6.90 min Scan# 1279
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 78 Resp: 2065649
Ion Ratio Lower Upper
78 100
77 21.6 18.6 28.0
50 21.8 18.8 28.2





#37

1,2-Dichloroethane

Concen: 9.591 ppbv

RT: 6.31 min Scan# 1096

Delta R.T. -0.01 min

Lab File: VL034568.D

Acq: 30 Jan 2020 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 1634178

Ion Ratio Lower Upper

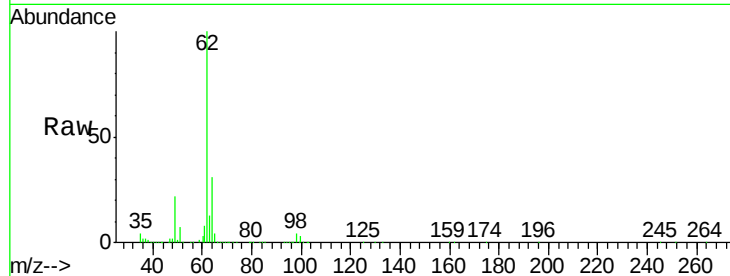
62 100

98 4.6 3.8 5.6

Manual Integrations
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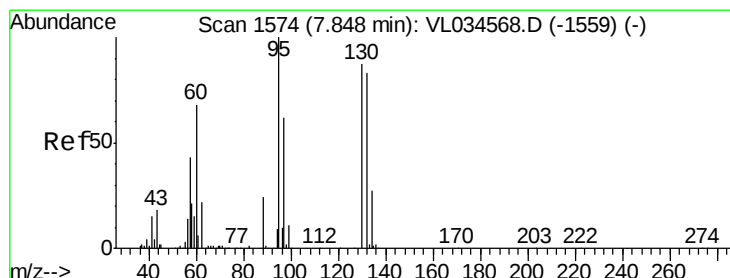
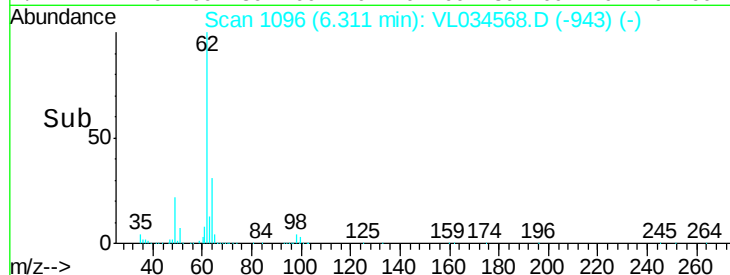


Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.31

Time--> 6.20 6.25 6.30 6.35



#38

Trichloroethene

Concen: 10.600 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. -0.01 min

Lab File: VL034568.D

Acq: 30 Jan 2020 12:05

Tgt Ion:130 Resp: 898430

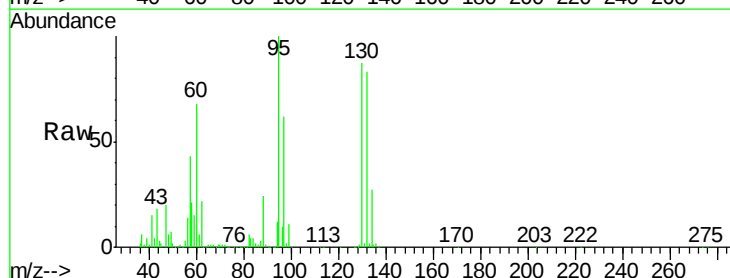
Ion Ratio Lower Upper

130 100

95 114.5 94.2 141.2

132 95.1 76.1 114.1

97 70.7 60.2 90.2



Abundance Ion 130.00 (129.70 to 130.70): V

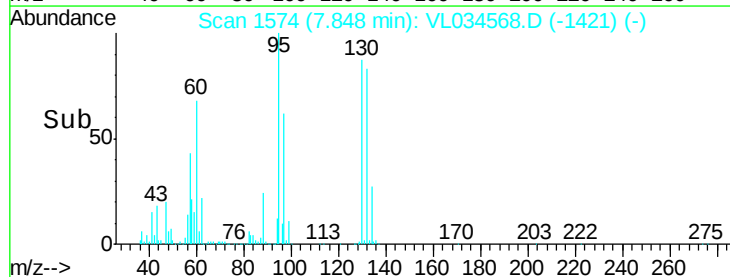
Ion 95.00 (94.70 to 95.70): VL0

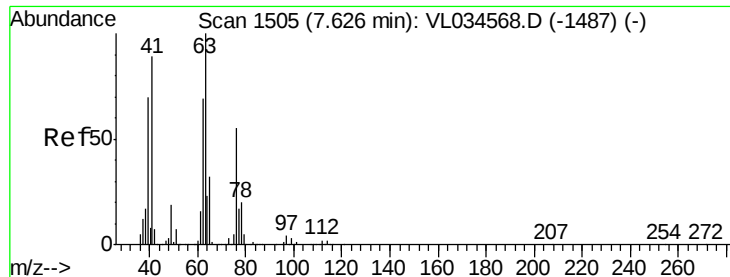
Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

7.85

Time--> 7.75 7.80 7.85 7.90





#39

1,2-Dichloropropane

Concen: 9.673 ppbv

RT: 7.63 min Scan# 1505

Delta R.T. -0.01 min

Lab File: VL034568.D

Acq: 30 Jan 2020 12:05

Instrument :

MSVOA_L

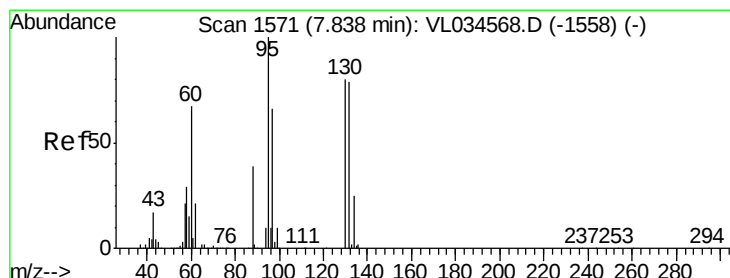
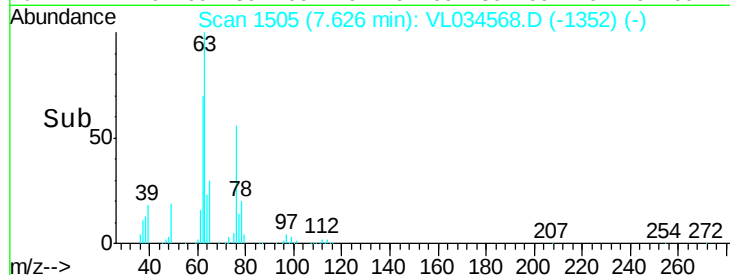
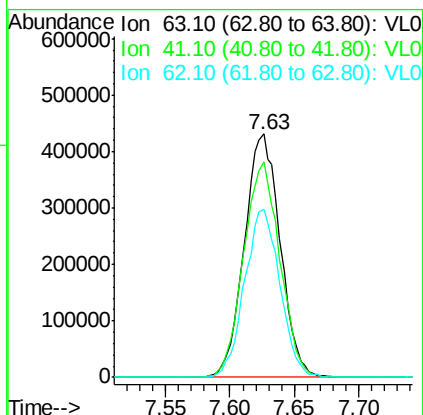
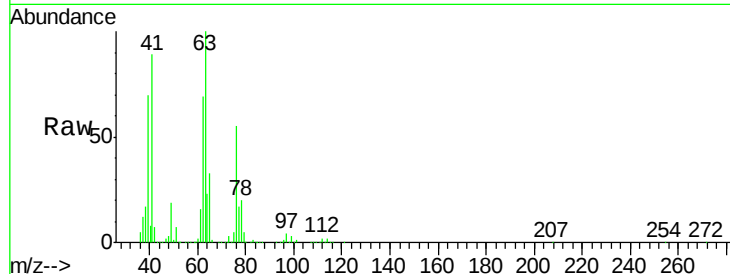
ClientSampleId :

VSTDICCC010

Tot Ion:	63	Resp:	834530
Ion	Ratio	Lower	Upper
63	100		
41	88.7	66.1	99.1
62	69.2	54.9	82.3

Manual Integrations
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#40

1,4-Dioxane

Concen: 9.266 ppbv

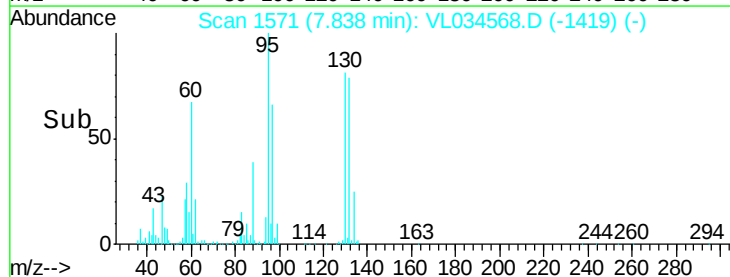
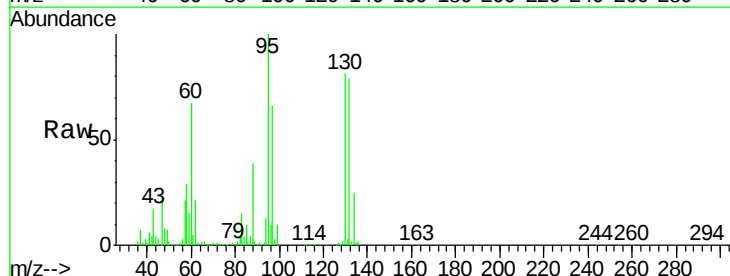
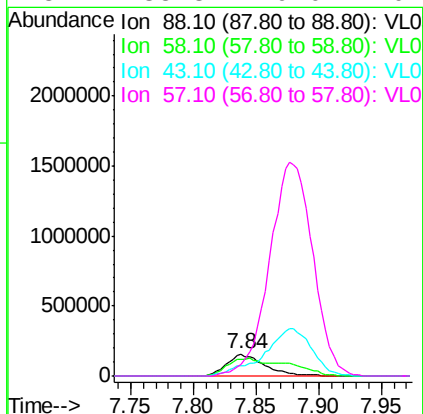
RT: 7.84 min Scan# 1571

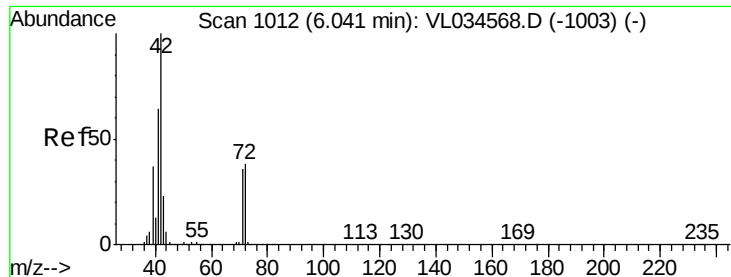
Delta R.T. -0.01 min

Lab File: VL034568.D

Acq: 30 Jan 2020 12:05

Tgt Ion:	88	Resp:	323543
Ion	Ratio	Lower	Upper
88	100		
58	134.8	107.9	161.9
43	276.1	0.0	0.0#
57	1135.8	0.0	0.0#





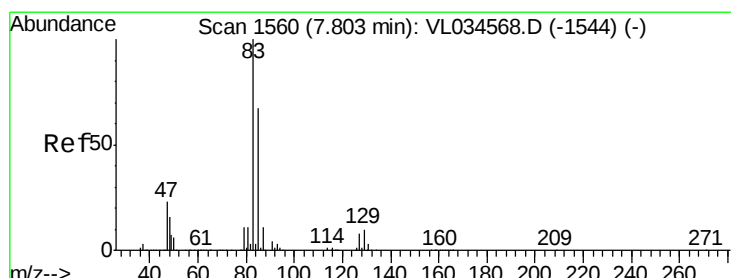
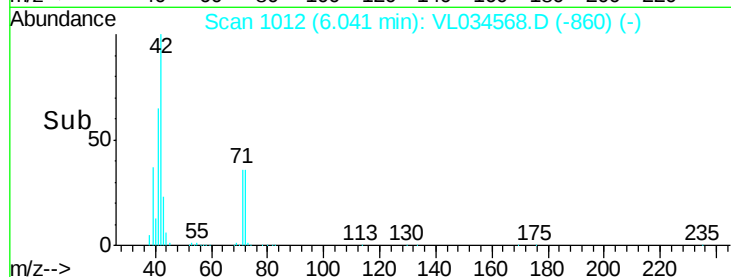
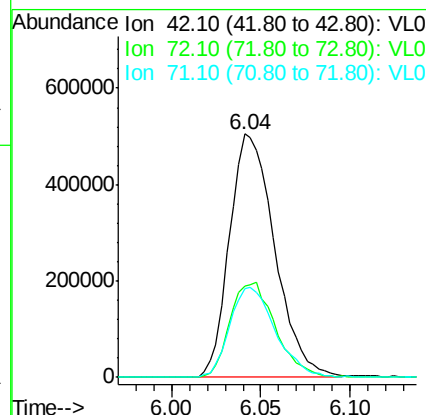
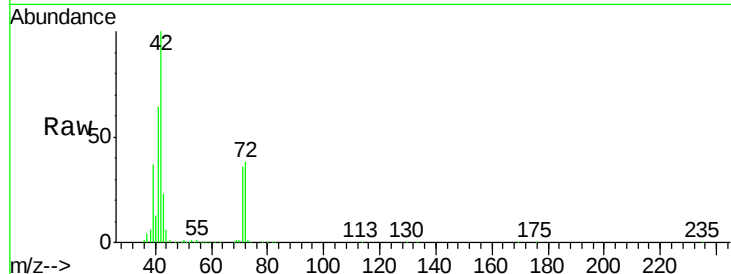
#41
Tetrahydrofuran
Concen: 10.034 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	30.9	46.3
71	37.8	28.9	43.3

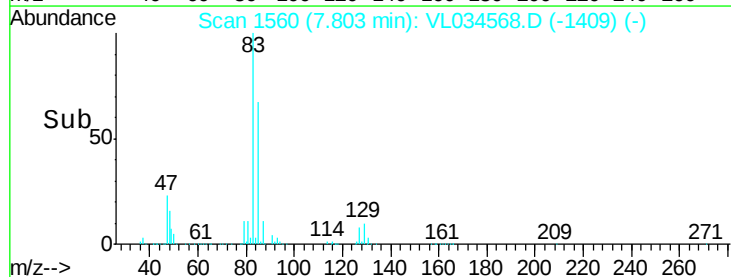
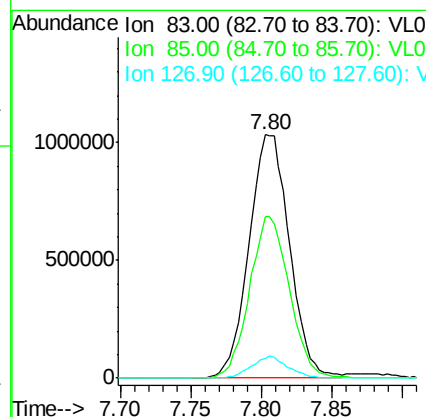
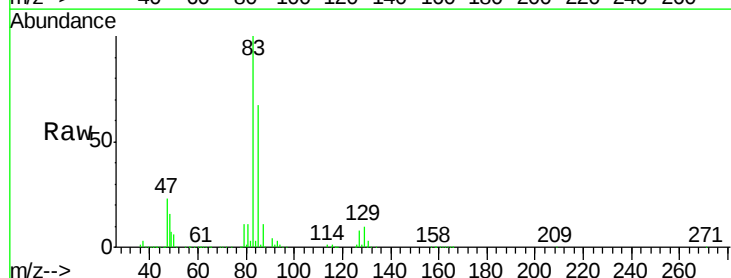
Manual Integrations
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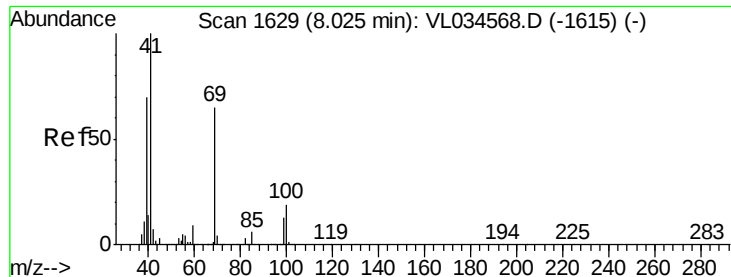
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#42
Bromodichloromethane
Concen: 9.933 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	49.4	74.2
127	8.1	6.2	9.4





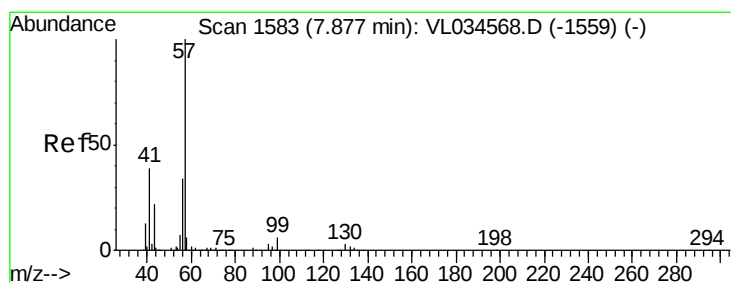
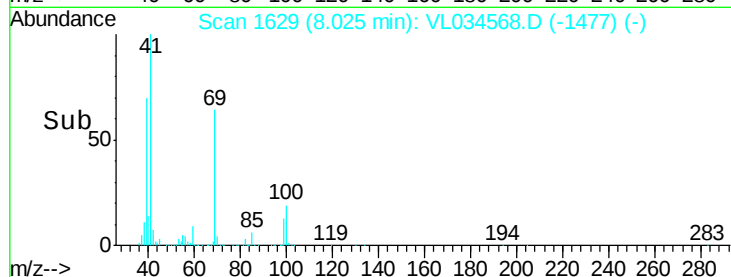
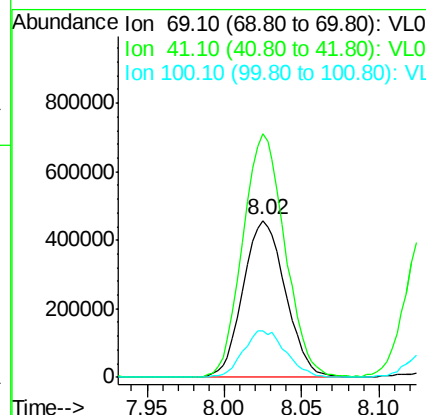
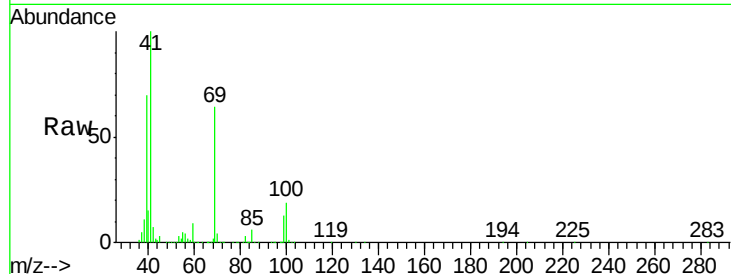
#43
Methvl Methacrilate
Concen: 10.166 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	154.9	124.0	186.0	
100	30.1	23.1	34.7	

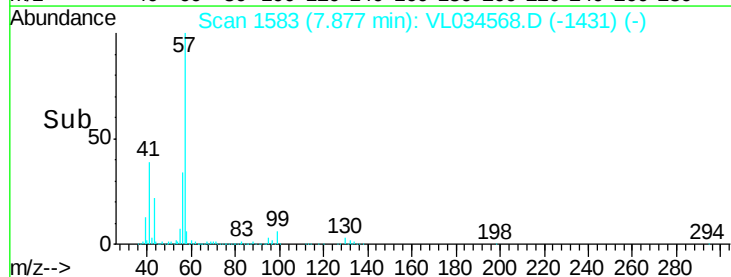
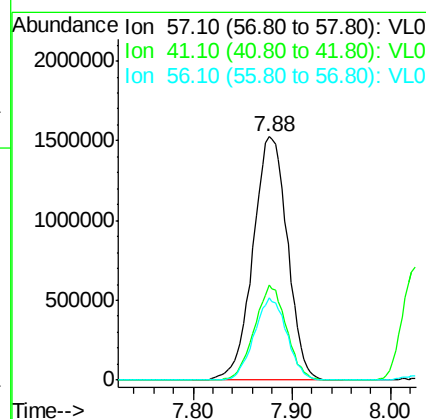
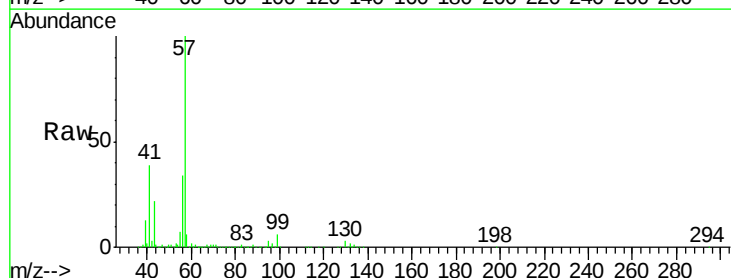
Manual Integrations
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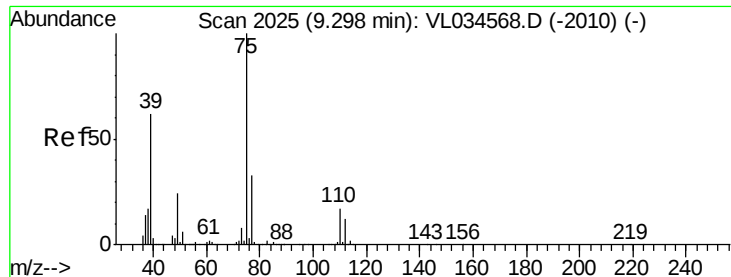
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.462 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	36.1	29.0	43.4	
56	31.9	24.9	37.3	





#45

t-1,3-Dichloropropene

Concen: 11.450 ppbv

RT: 9.30 min Scan# 2025

Delta R.T. -0.01 min

Lab File: VL034568.D

Acq: 30 Jan 2020 12:05

Tot Ion: 75 Resp: 1262308

Ion Ratio Lower Upper

75 100

77 33.4 24.2 36.2

Instrument :

MSVOA_L

ClientSampleId :

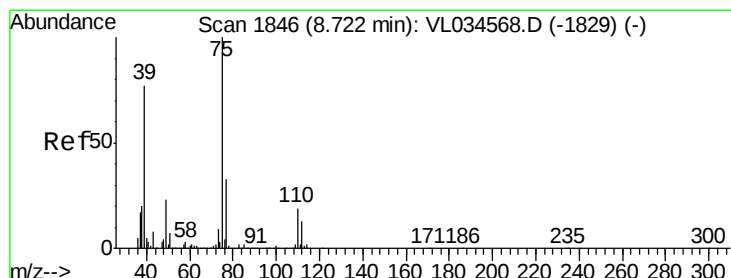
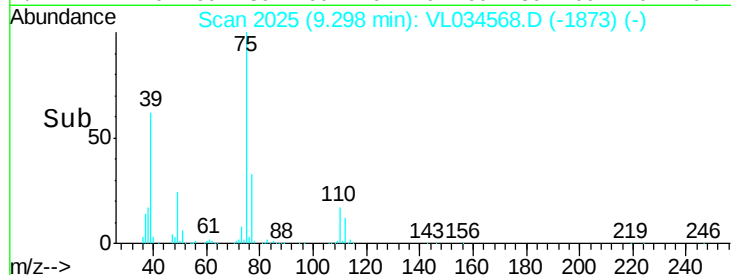
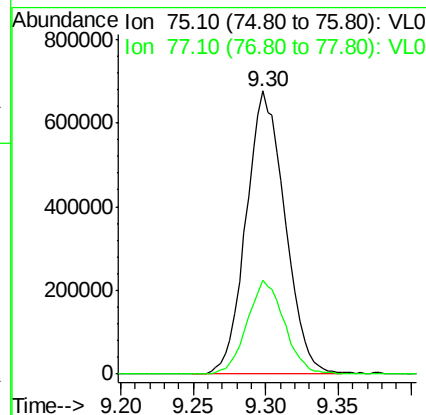
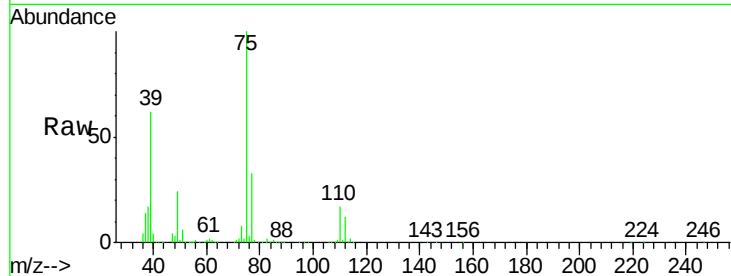
VSTDICCC010

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#46

cis-1,3-Dichloropropene

Concen: 11.028 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VL034568.D

Acq: 30 Jan 2020 12:05

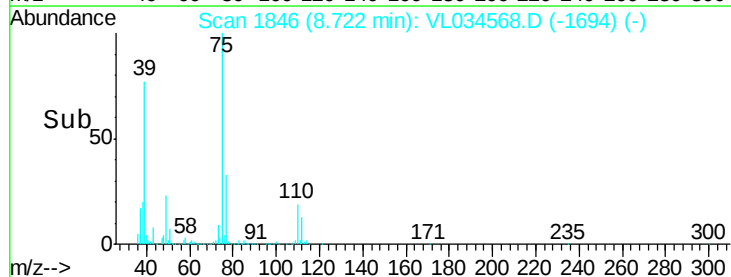
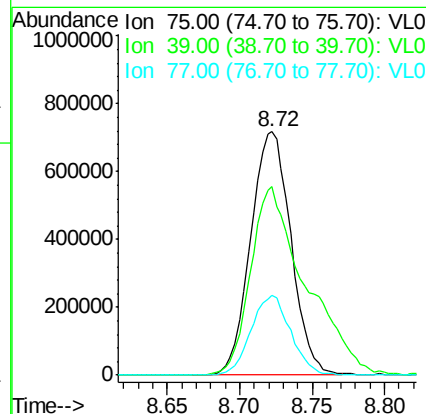
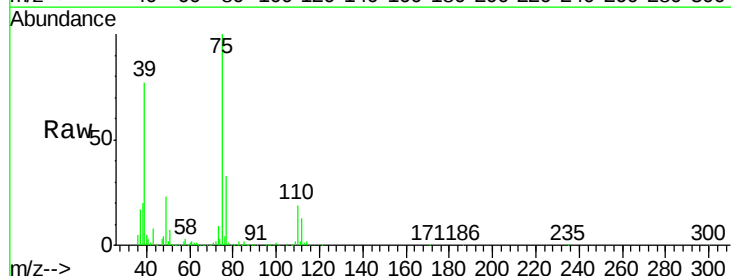
Tgt Ion: 75 Resp: 1389868

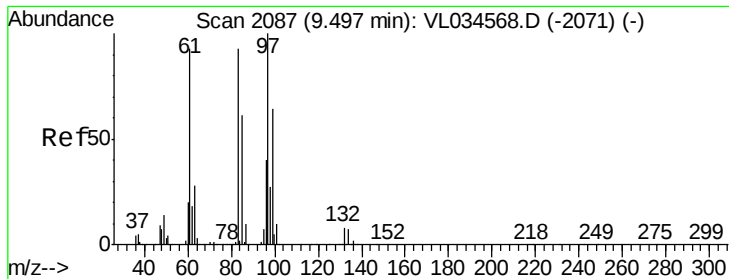
Ion Ratio Lower Upper

75 100

39 77.4 60.5 90.7

77 32.6 24.8 37.2





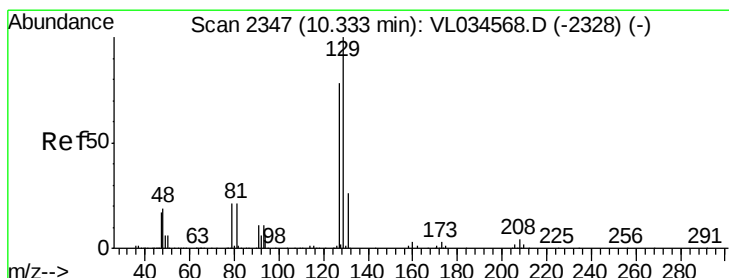
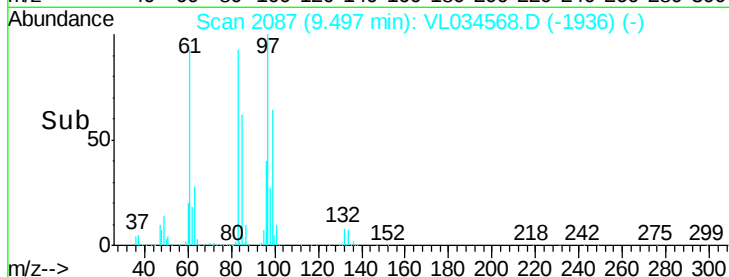
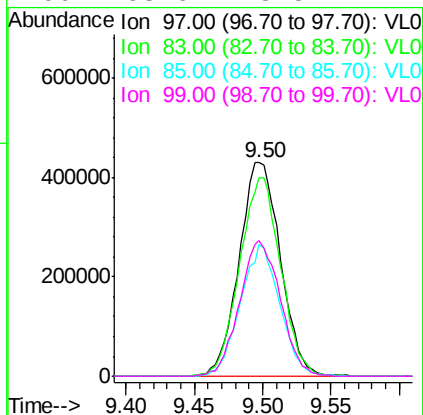
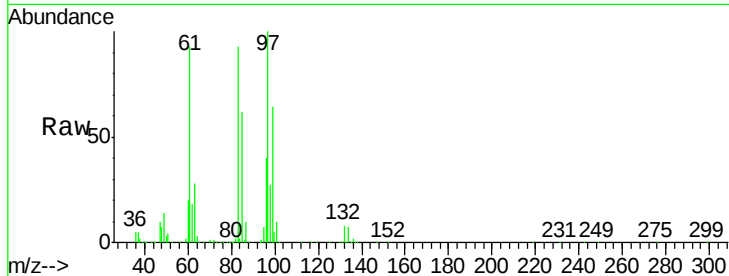
#47
 1,1,2-Trichloroethane
 Concen: 9.525 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. -0.02 min
 Lab File: VL034568.D
 Acq: 30 Jan 2020 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		905911		
83	93.0	75.0	112.4		
85	61.5	48.2	72.4		
99	63.6	48.5	72.7		

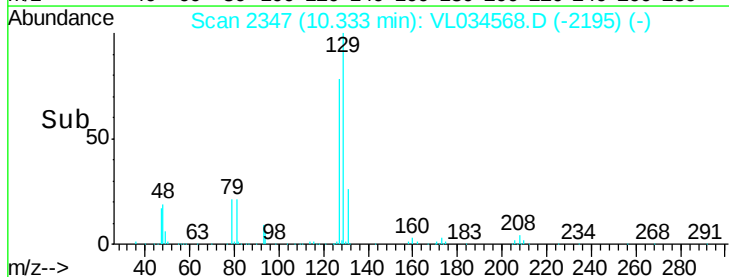
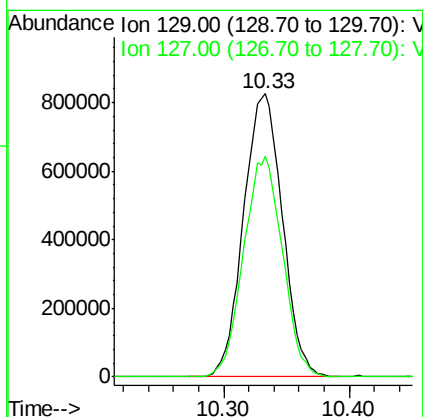
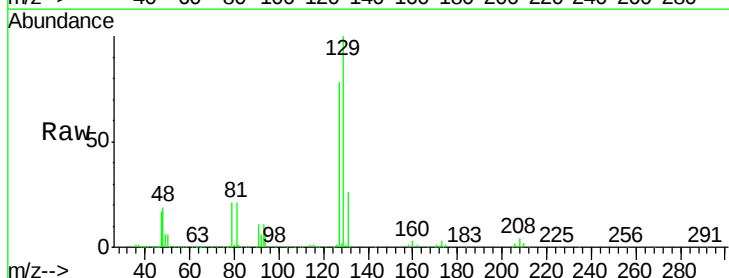
Manual Integrations
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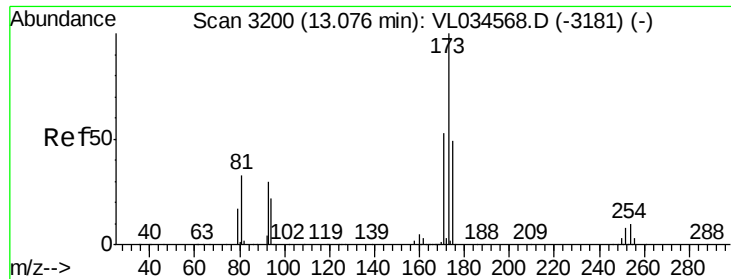
MMDadoda
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#48
 Dibromochloromethane
 Concen: 10.790 ppbv
 RT: 10.33 min Scan# 2347
 Delta R.T. -0.01 min
 Lab File: VL034568.D
 Acq: 30 Jan 2020 12:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1778931		
127	78.1	39.4	118.2		





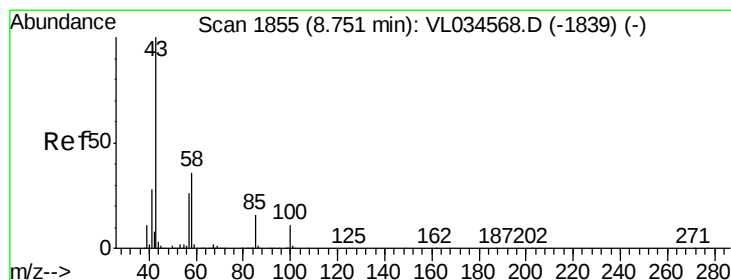
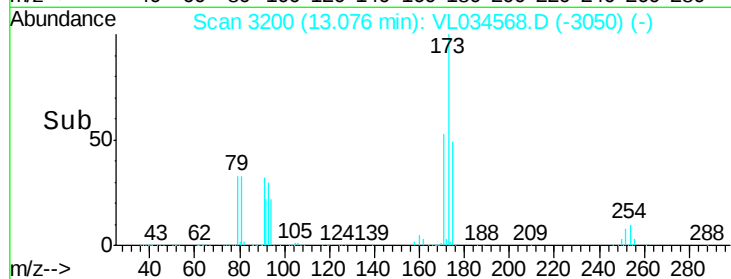
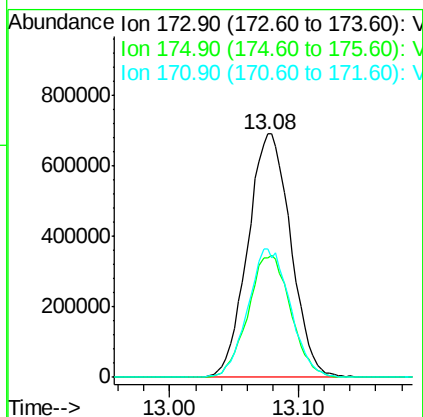
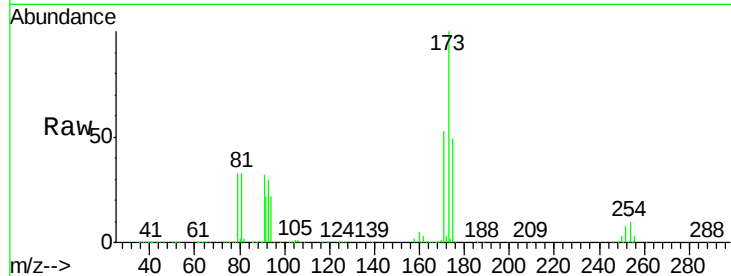
#49
Bromoform
Concen: 10.728 ppbv
RT: 13.08 min Scan# 3200
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:173 Resp: 1601306
Ion Ratio Lower Upper
173 100
175 49.6 39.8 59.8
171 52.0 42.1 63.1

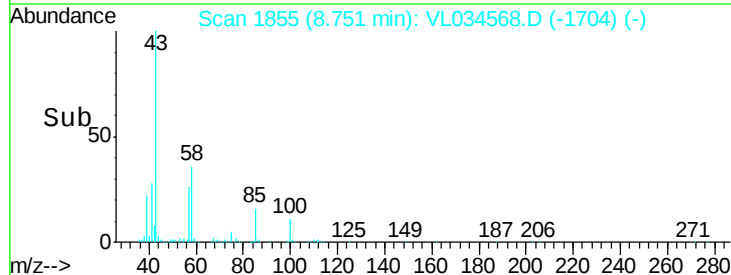
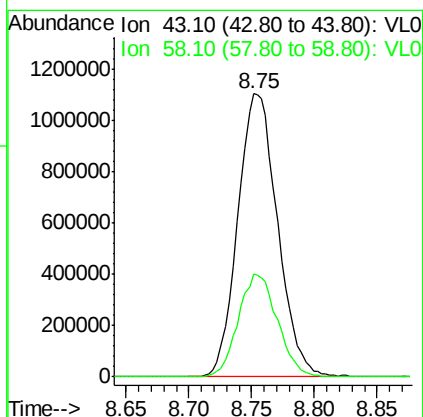
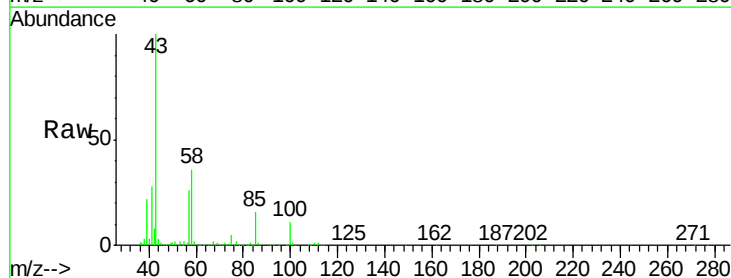
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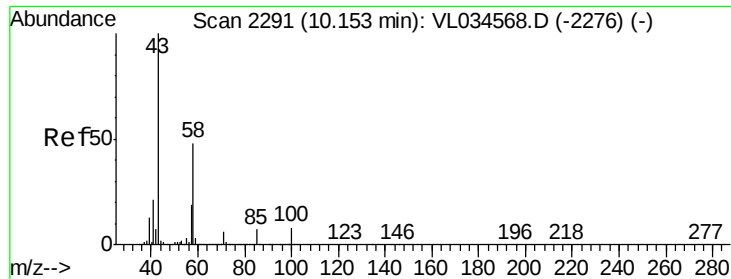
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#50
4-Methyl-2-Pentanone
Concen: 9.733 ppbv
RT: 8.75 min Scan# 1855
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 43 Resp: 2430082
Ion Ratio Lower Upper
43 100
58 35.8 28.2 42.2





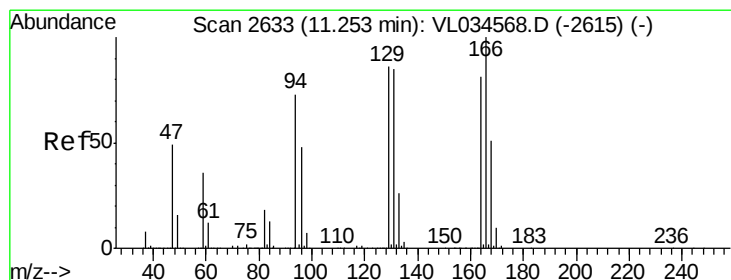
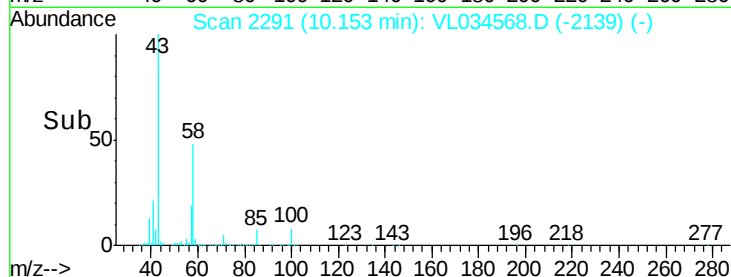
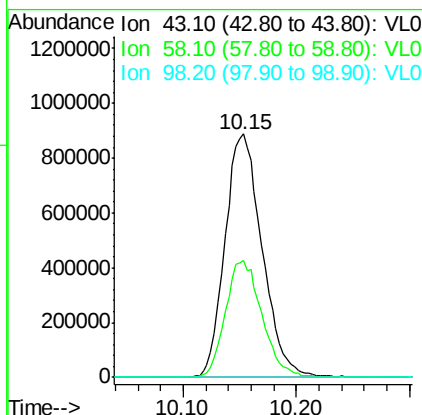
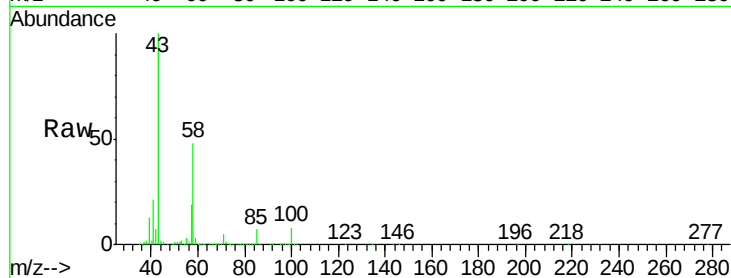
#51
2-Hexanone
Concen: 10.043 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 2024126
Ion Ratio Lower Upper
43 100
58 47.4 37.4 56.0
98 0.4 0.2 0.2#

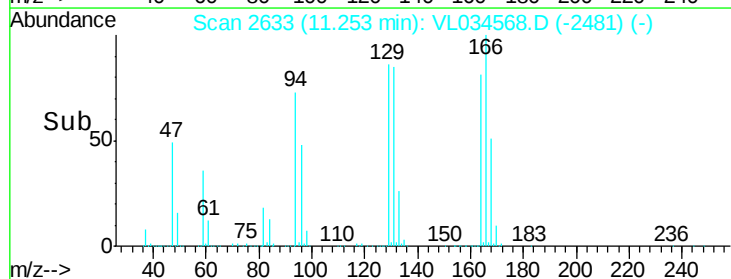
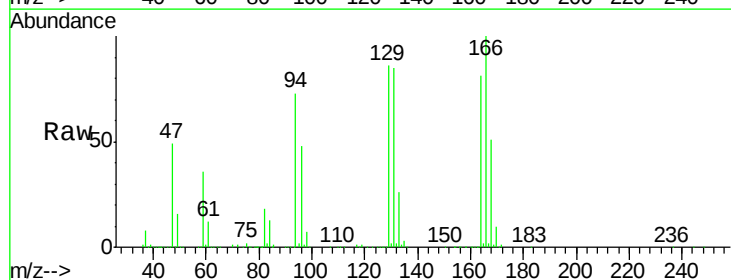
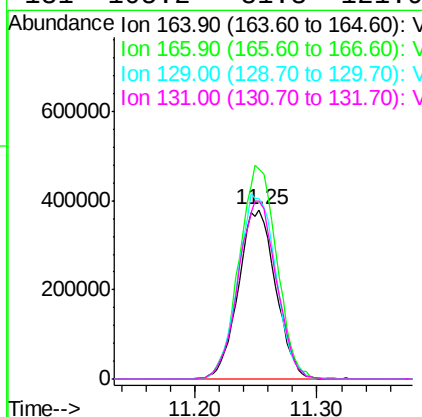
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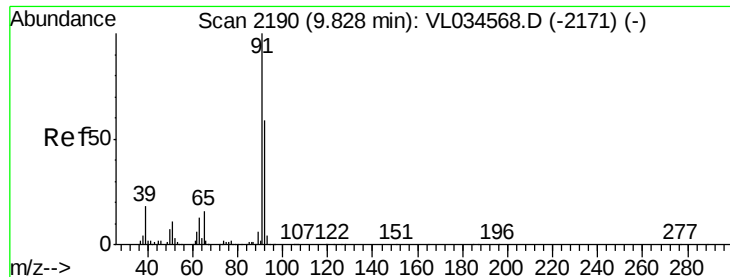
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#52
Tetrachloroethene
Concen: 9.781 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion:164 Resp: 800872
Ion Ratio Lower Upper
164 100
166 123.7 95.7 143.5
129 106.6 82.2 123.2
131 105.2 81.3 121.9





#53

Toluene

Concen: 10.460 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. -0.01 min

Lab File: VL034568.D

Acq: 30 Jan 2020 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 2411244

Ion Ratio Lower Upper

91 100

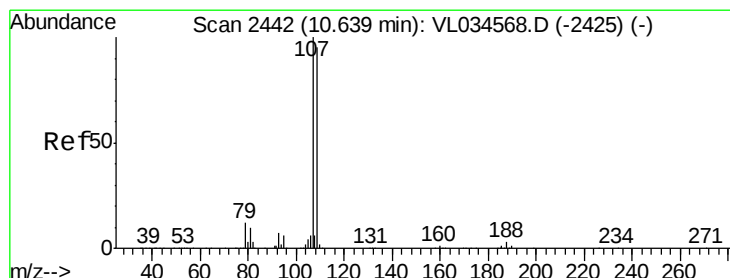
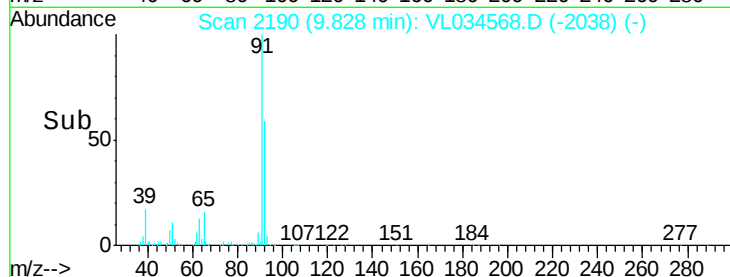
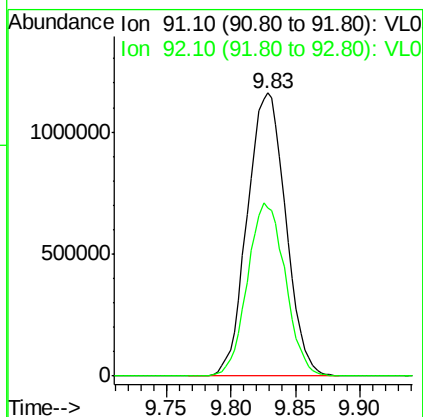
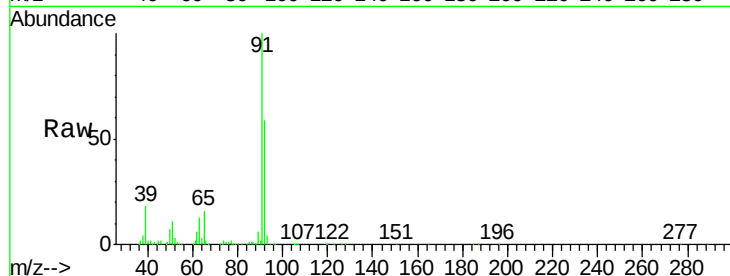
92 60.2 48.4 72.6

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#54

1,2-Dibromoethane

Concen: 9.980 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. -0.02 min

Lab File: VL034568.D

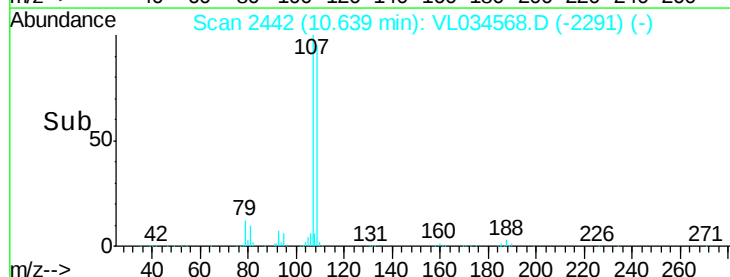
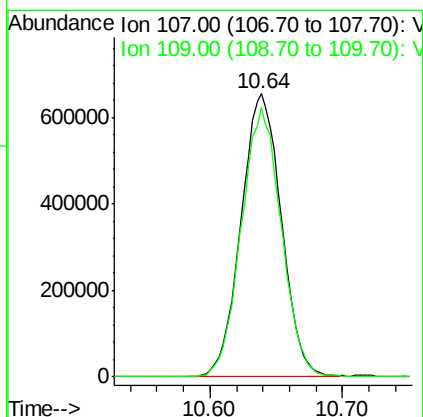
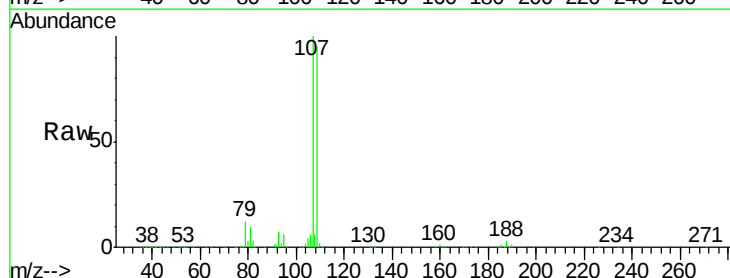
Acq: 30 Jan 2020 12:05

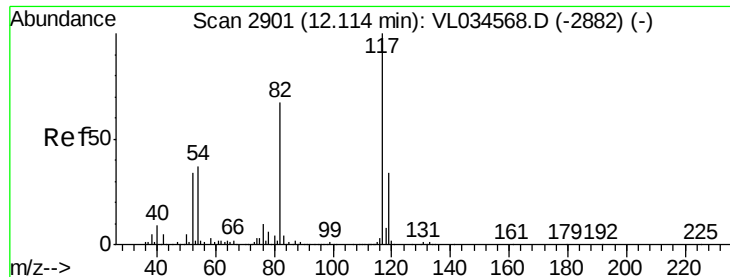
Tgt Ion: 107 Resp: 1381271

Ion Ratio Lower Upper

107 100

109 94.9 75.5 113.3





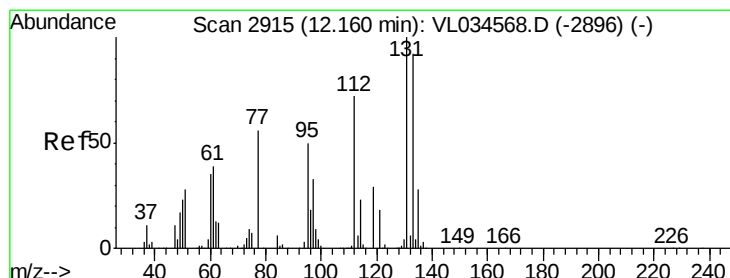
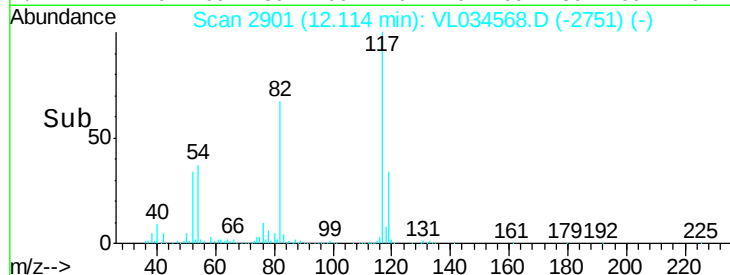
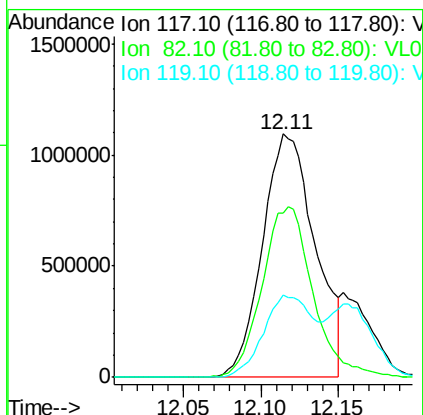
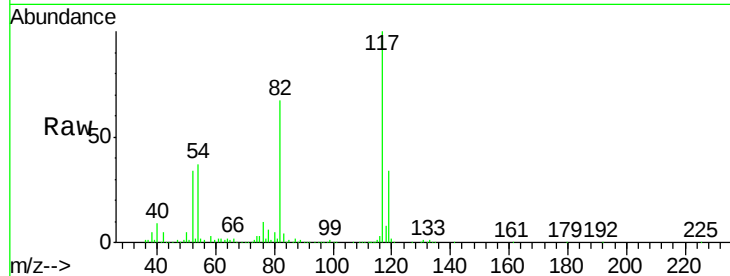
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampled :
VSTDICCC010

Tot Ion:117 Resp: 2599794
Ion Ratio Lower Upper
117 100
82 67.8 56.2 84.4
119 32.6 27.1 40.7

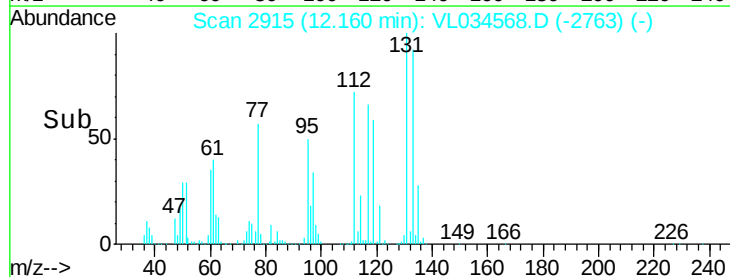
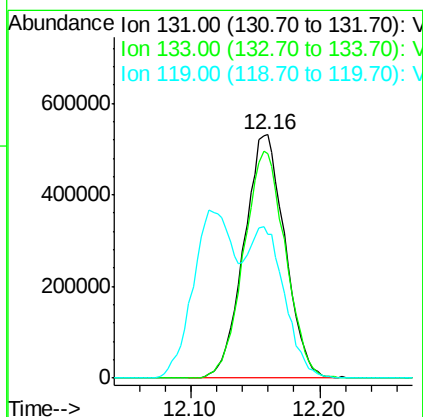
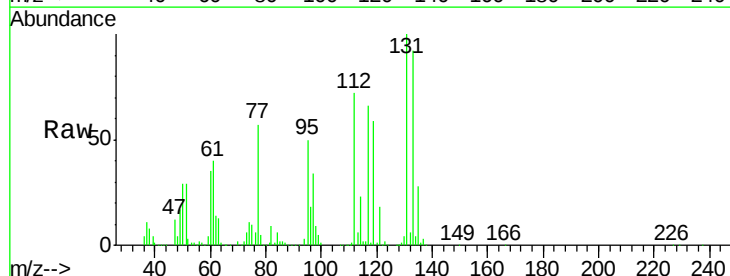
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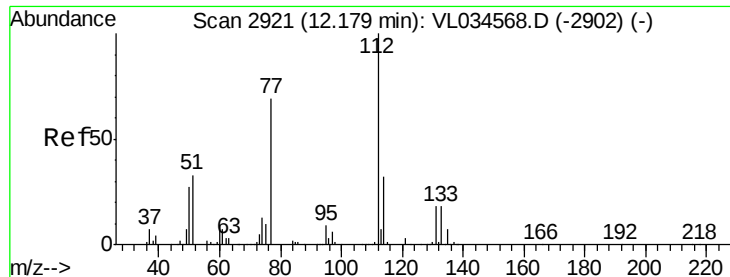
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.368 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion:131 Resp: 1175658
Ion Ratio Lower Upper
131 100
133 94.8 76.2 114.2
119 58.8 47.1 70.7





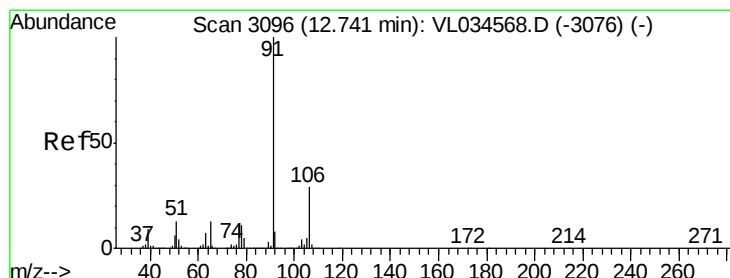
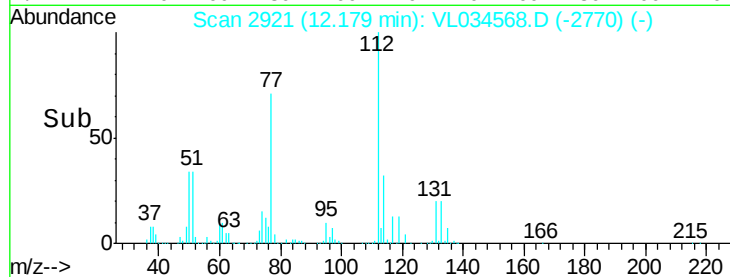
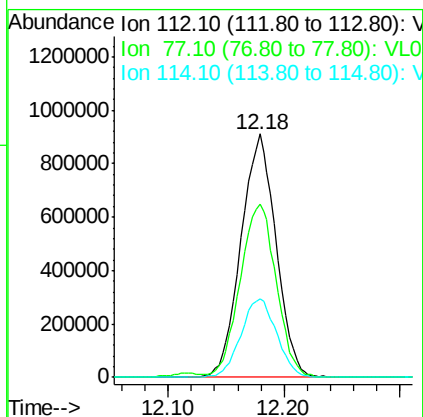
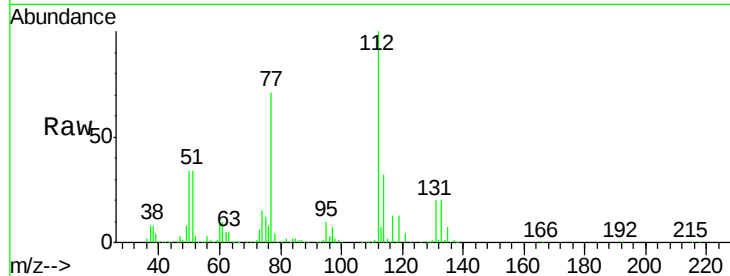
#57
Chlorobenzene
Concen: 8.936 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:112 Resp: 1916724
Ion Ratio Lower Upper
112 100
77 70.6 57.4 86.0
114 32.4 28.4 34.8

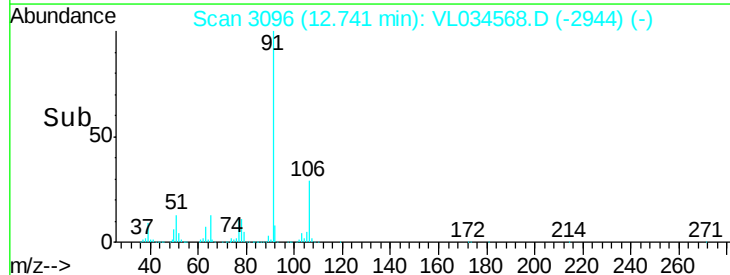
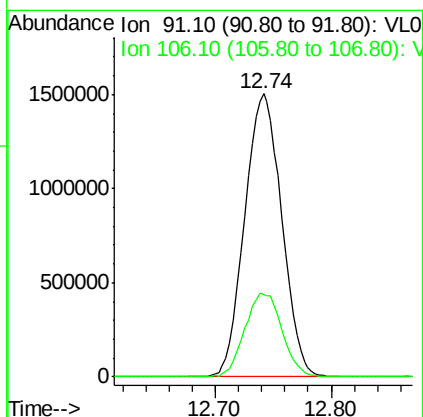
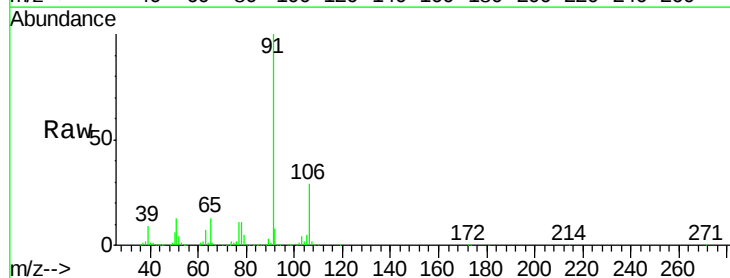
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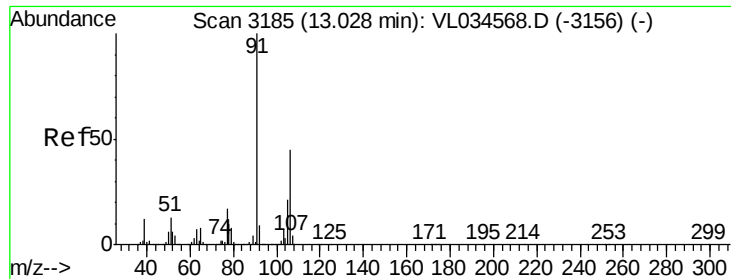
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#58
Ethyl Benzene
Concen: 9.537 ppbv
RT: 12.74 min Scan# 3096
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 91 Resp: 3343669
Ion Ratio Lower Upper
91 100
106 29.1 24.6 36.8





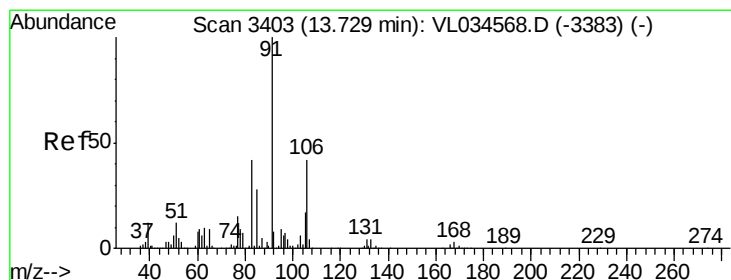
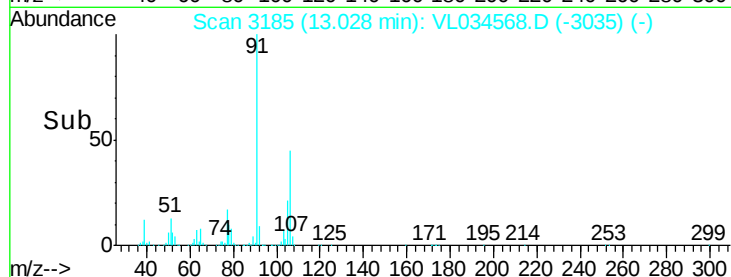
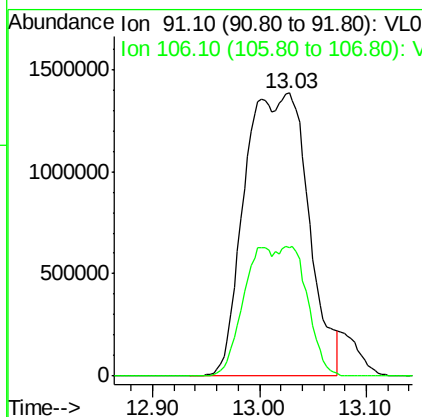
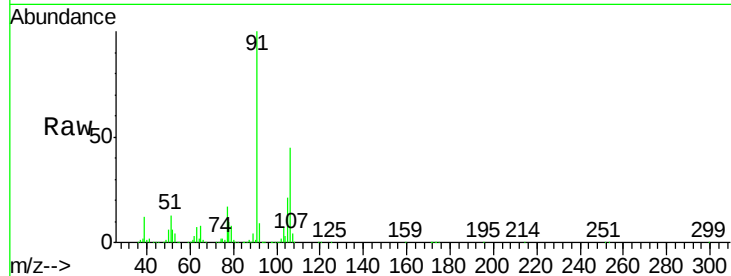
#59
m/p-Xylene
Concen: 18.616 ppbv m
RT: 13.03 min Scan# 3185
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 5707647
Ion Ratio Lower Upper
91 100
106 44.1 35.6 53.4

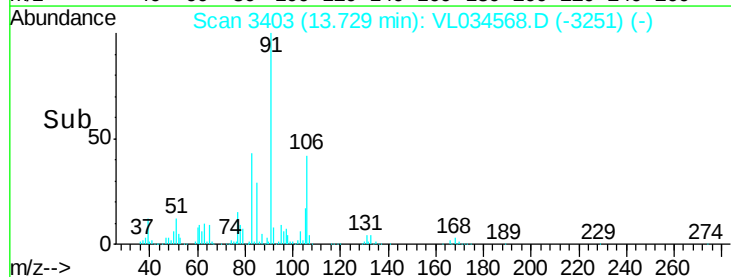
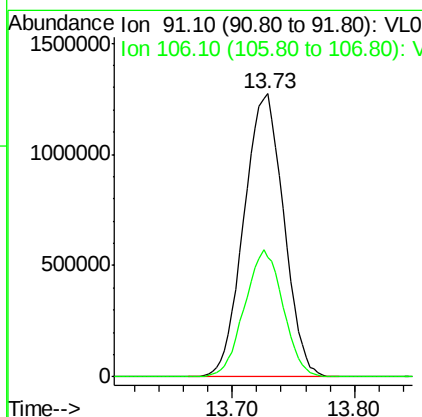
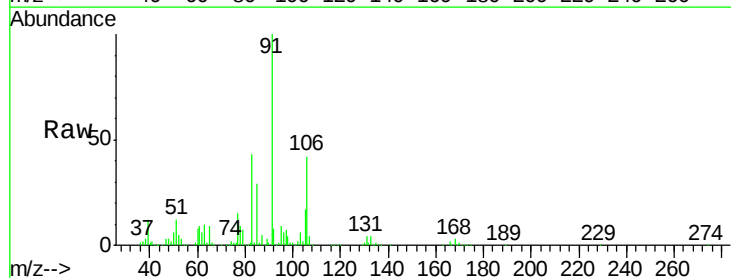
Manual Integrations
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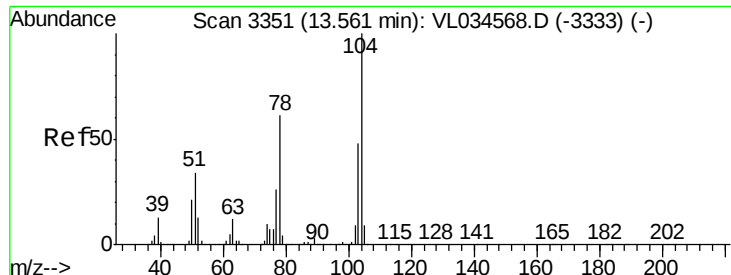
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#60
o-Xylene
Concen: 9.327 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 91 Resp: 2869428
Ion Ratio Lower Upper
91 100
106 43.3 21.4 64.3





#61

Stvrene

Concen: 10.023 ppbv

RT: 13.56 min Scan# 3351

Delta R.T. -0.01 min

Lab File: VL034568.D

Acq: 30 Jan 2020 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:104 Resp: 2108288

Ion Ratio Lower Upper

104 100

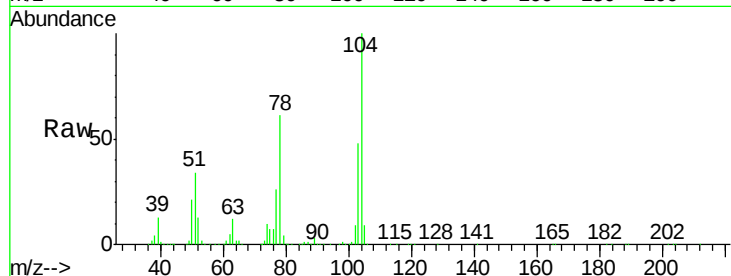
78 58.8 47.7 71.5

103 48.1 38.6 58.0

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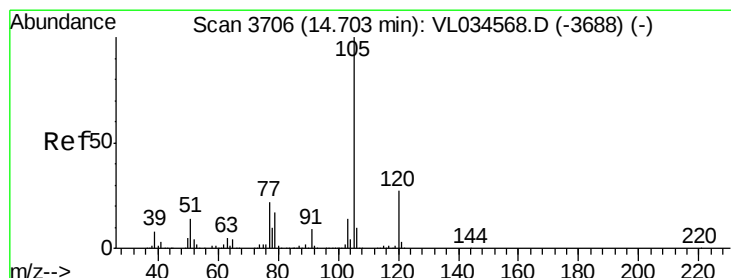
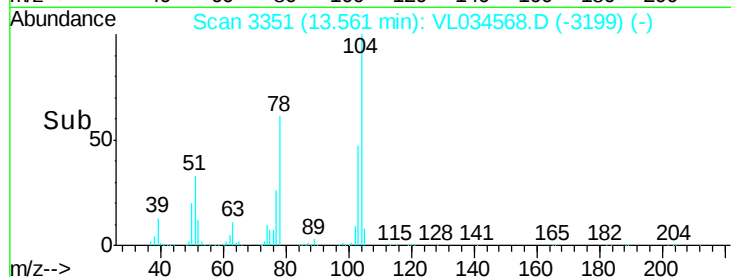
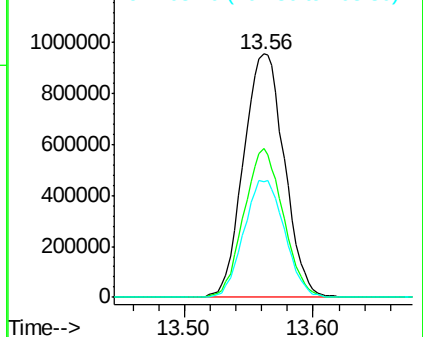
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.172 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. -0.02 min

Lab File: VL034568.D

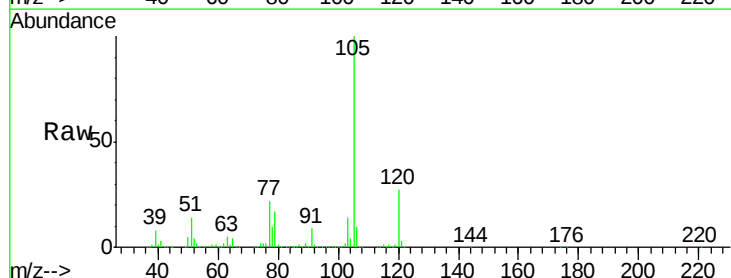
Acq: 30 Jan 2020 12:05

Tgt Ion:105 Resp: 3691247

Ion Ratio Lower Upper

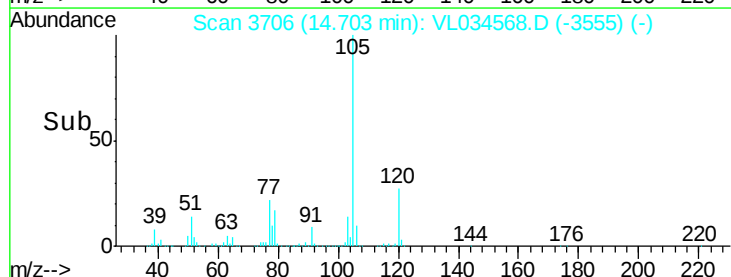
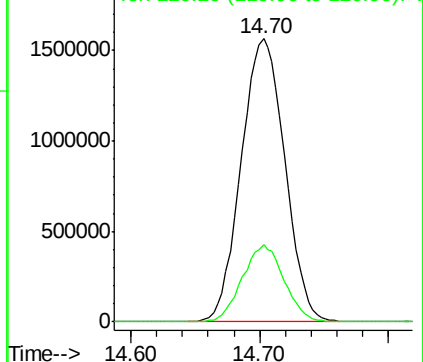
105 100

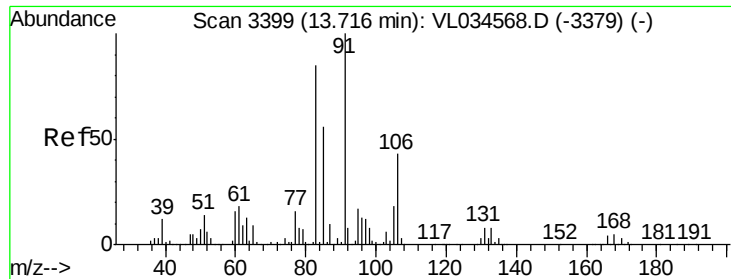
120 25.9 20.6 30.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





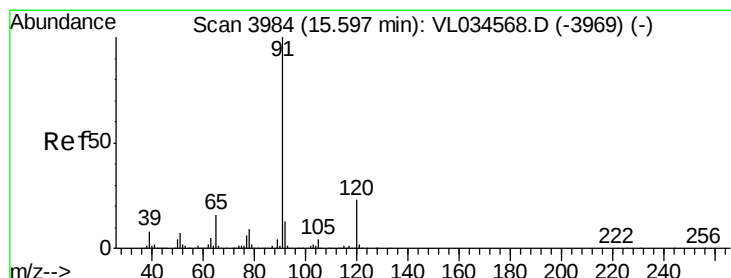
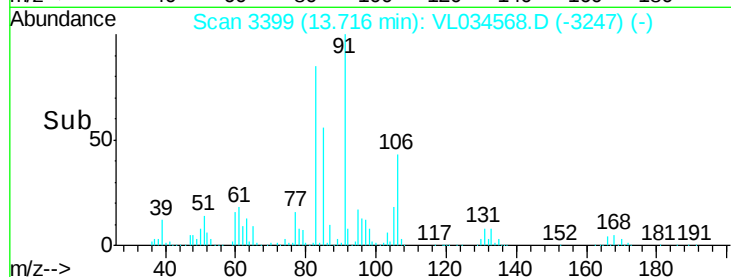
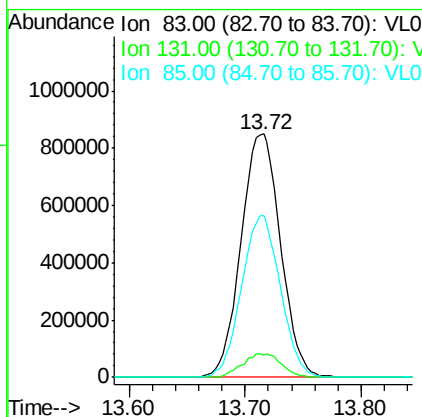
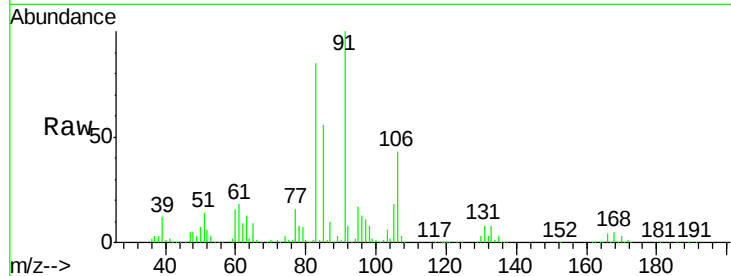
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.180 ppbv
 RT: 13.72 min Scan# 3399
 Delta R.T. -0.01 min
 Lab File: VL034568.D
 Acq: 30 Jan 2020 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 83 Resp: 2018788
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.8 14.4
 85 65.3 32.5 97.4

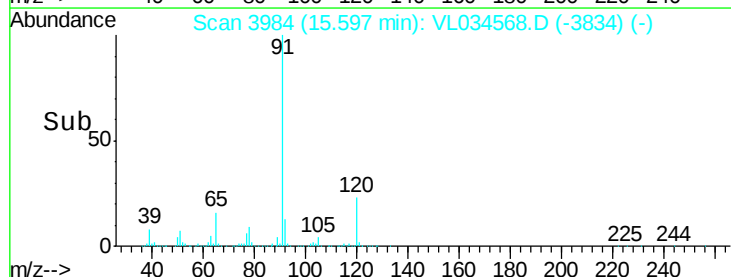
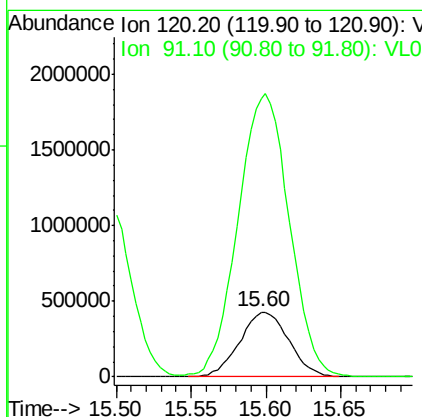
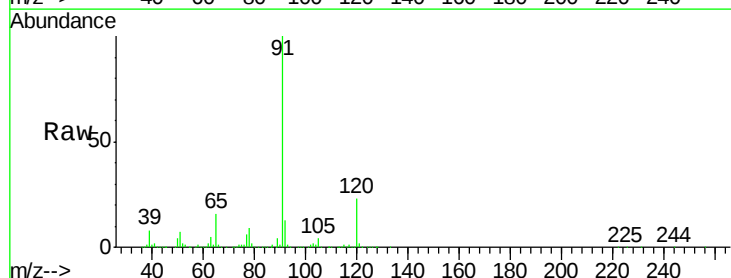
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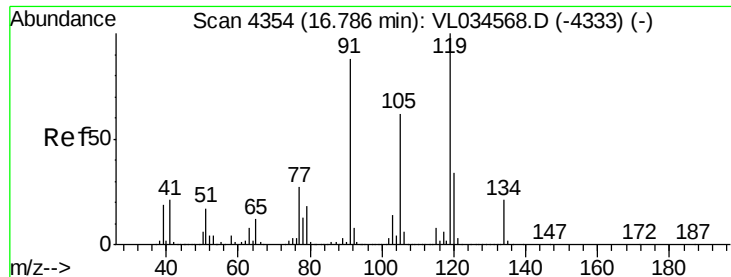
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#64
 n-propylbenzene
 Concen: 9.527 ppbv
 RT: 15.60 min Scan# 3984
 Delta R.T. -0.02 min
 Lab File: VL034568.D
 Acq: 30 Jan 2020 12:05

Tgt Ion: 120 Resp: 978991
 Ion Ratio Lower Upper
 120 100
 91 456.6 375.6 563.4





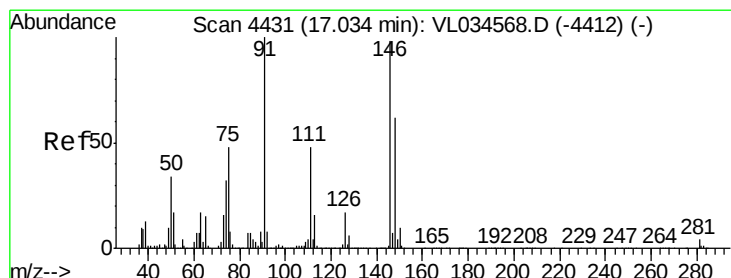
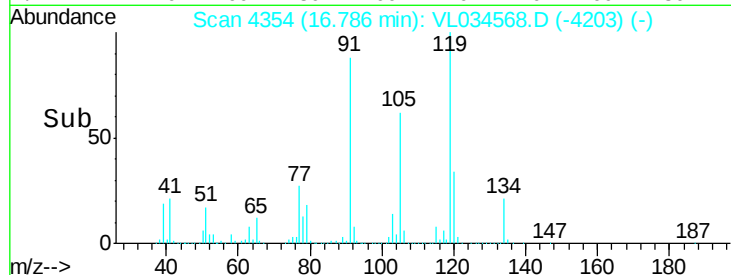
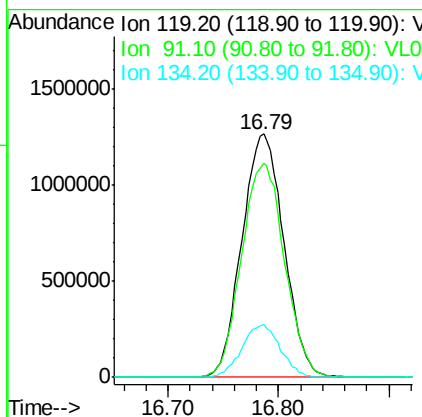
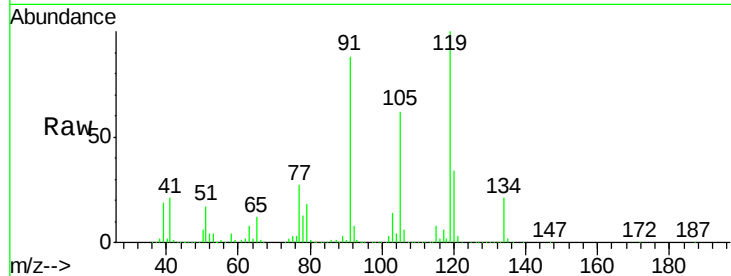
#65
tert-Butylbenzene
Concen: 9.167 ppbv
RT: 16.79 min Scan# 4354
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:119 Resp: 3332926
Ion Ratio Lower Upper
119 100
91 90.3 72.0 108.0
134 19.9 16.1 24.1

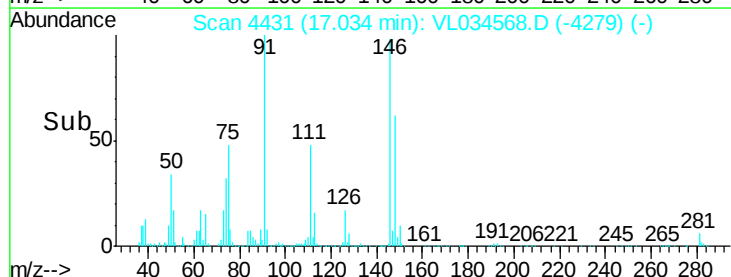
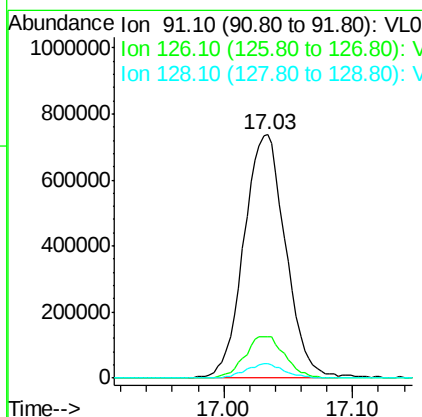
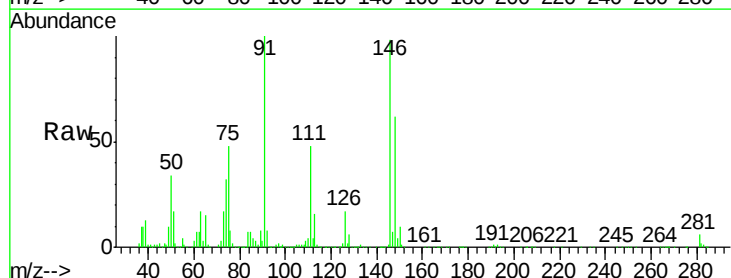
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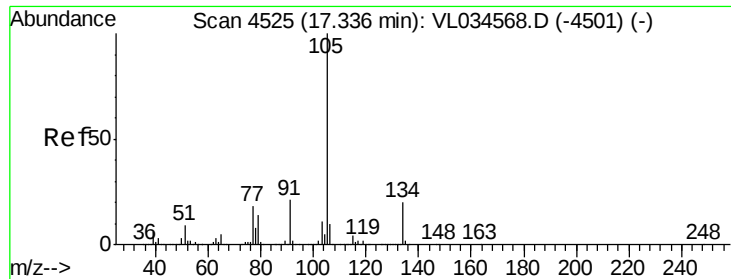
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#66
Benzyl Chloride
Concen: 10.412 ppbv
RT: 17.03 min Scan# 4431
Delta R.T. -0.01 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion: 91 Resp: 1659069
Ion Ratio Lower Upper
91 100
126 16.7 13.1 19.7
128 5.4 4.2 6.4





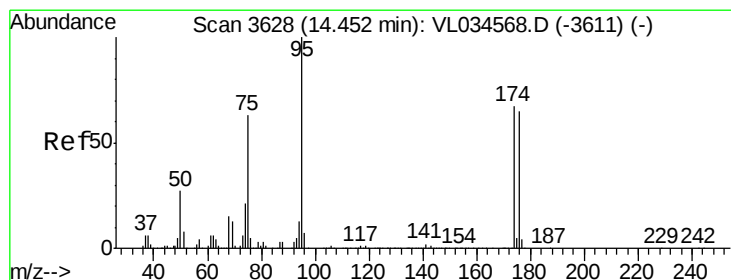
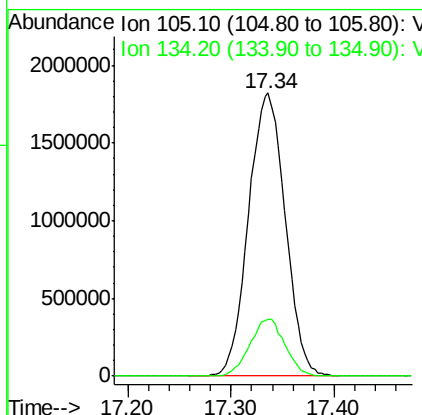
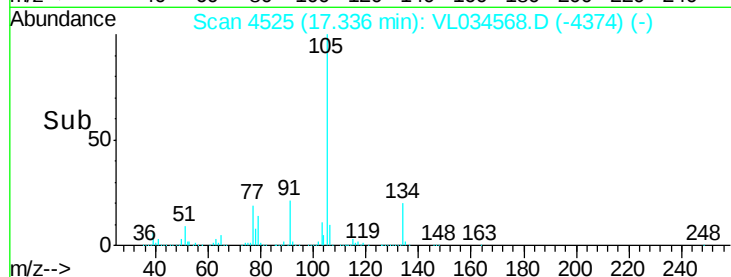
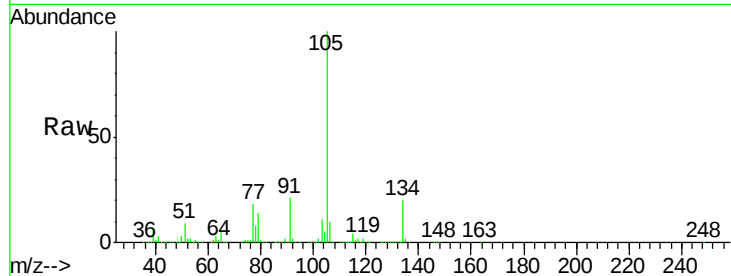
#67
 sec-Butylbenzene
 Concen: 8.810 ppbv
 RT: 17.34 min Scan# 4525
 Delta R.T. -0.02 min
 Lab File: VL034568.D
 Acq: 30 Jan 2020 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 105 Resp: 4498193
 Ion Ratio Lower Upper
 105 100
 134 19.4 15.1 22.7

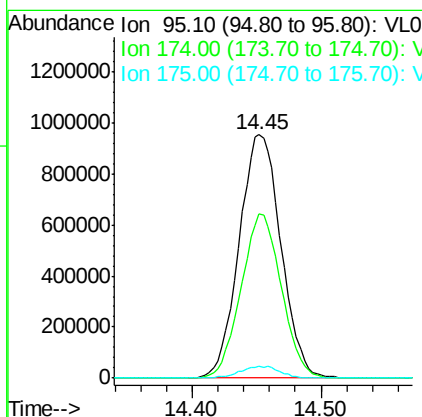
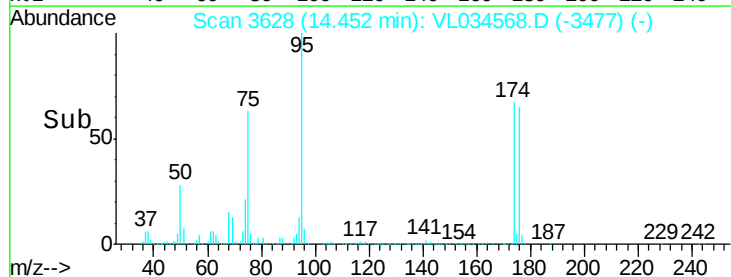
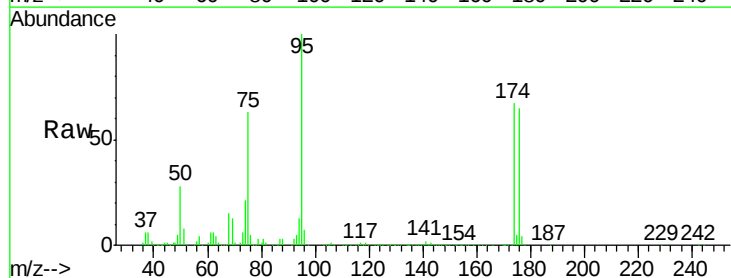
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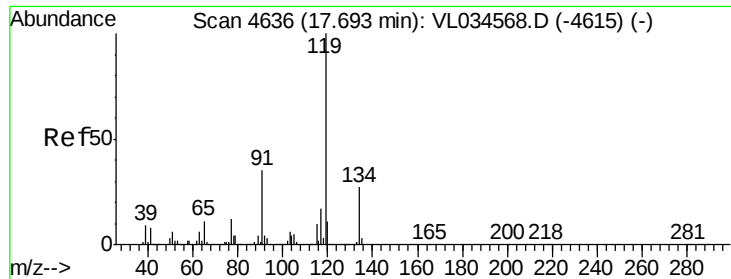
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.889 ppbv
 RT: 14.45 min Scan# 3628
 Delta R.T. -0.02 min
 Lab File: VL034568.D
 Acq: 30 Jan 2020 12:05

Tgt Ion: 95 Resp: 2145421
 Ion Ratio Lower Upper
 95 100
 174 65.4 52.4 78.6
 175 4.7 3.9 5.9





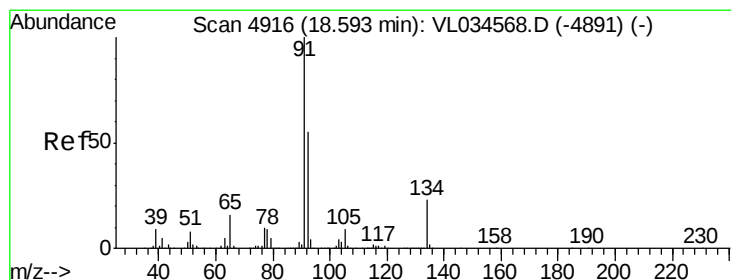
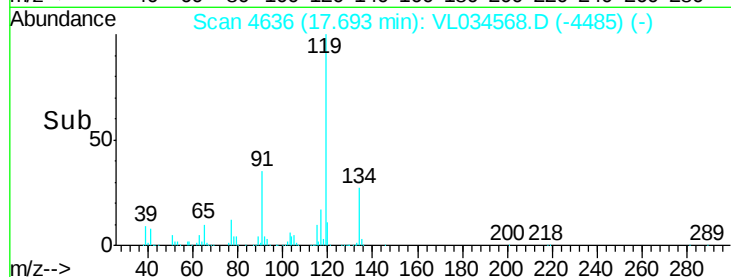
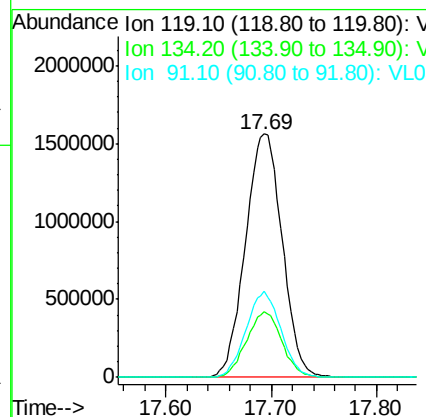
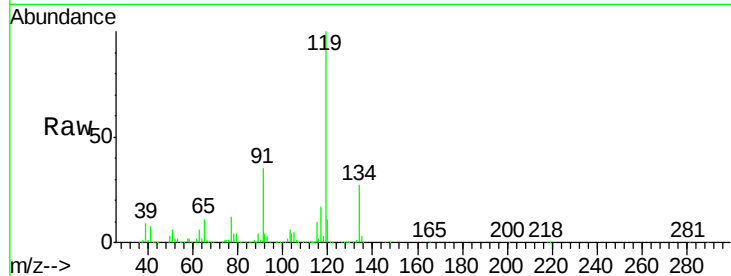
#69
 p-Isopropyltoluene
 Concen: 9.152 ppbv
 RT: 17.69 min Scan# 4636
 Delta R.T. -0.02 min
 Lab File: VL034568.D
 Acq: 30 Jan 2020 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.7	31.1
91	33.6	26.6	39.8

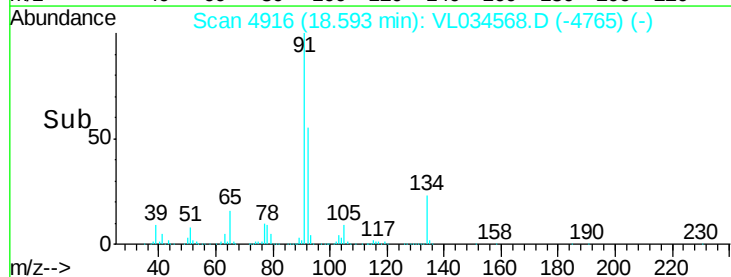
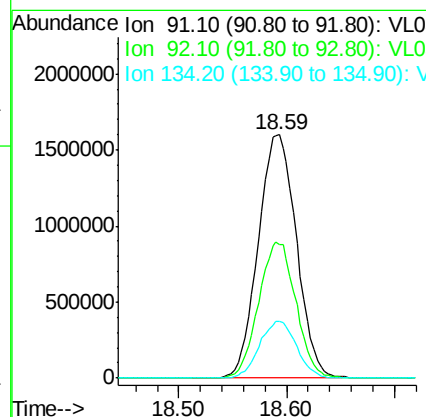
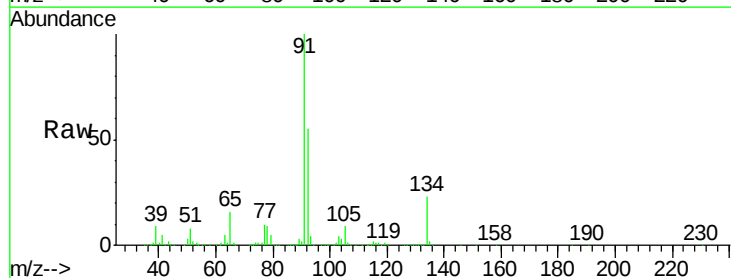
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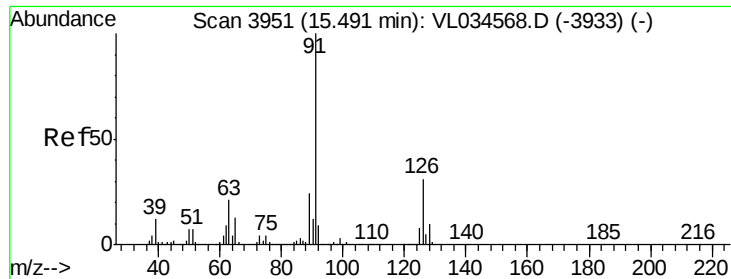
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#70
 n-Butylbenzene
 Concen: 8.787 ppbv
 RT: 18.59 min Scan# 4916
 Delta R.T. -0.02 min
 Lab File: VL034568.D
 Acq: 30 Jan 2020 12:05

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.5	43.8	65.6
134	22.8	18.0	27.0





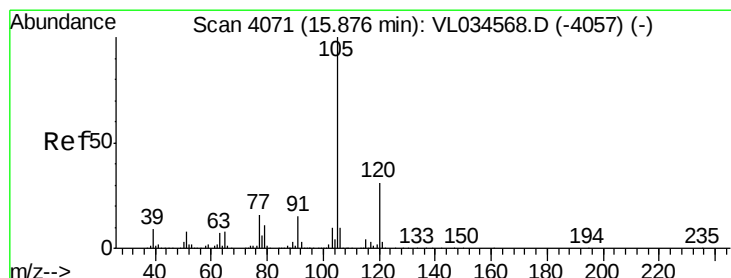
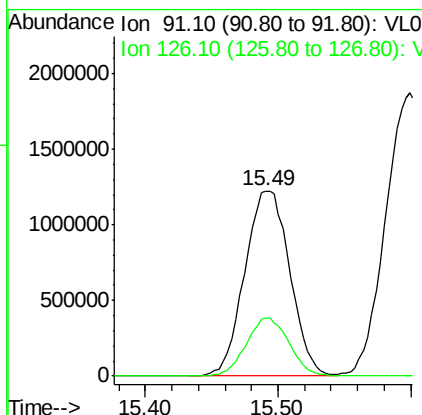
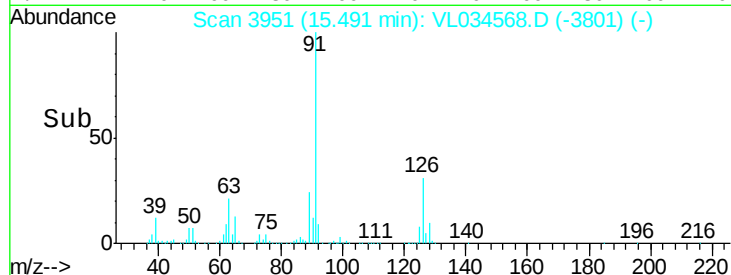
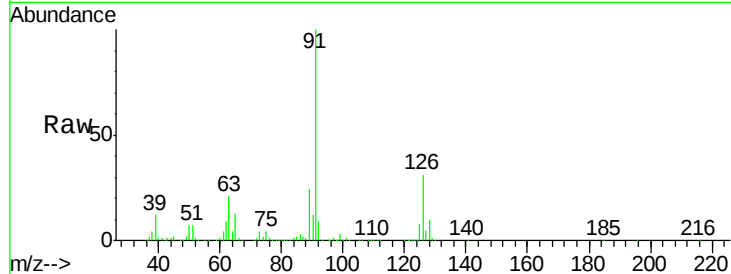
#71
2-Chlorotoluene
Concen: 9.274 ppbv
RT: 15.49 min Scan# 3951
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 2898423
Ion Ratio Lower Upper
91 100
126 29.9 12.0 47.8

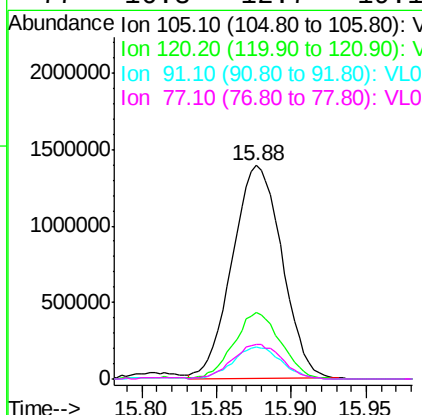
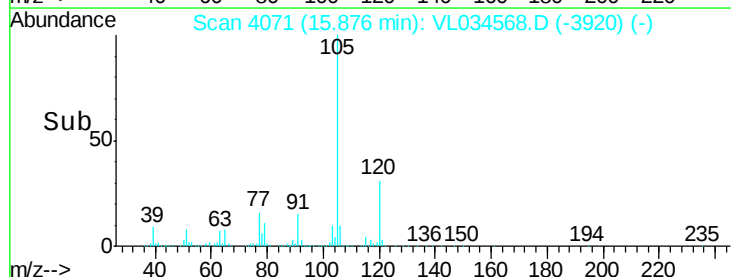
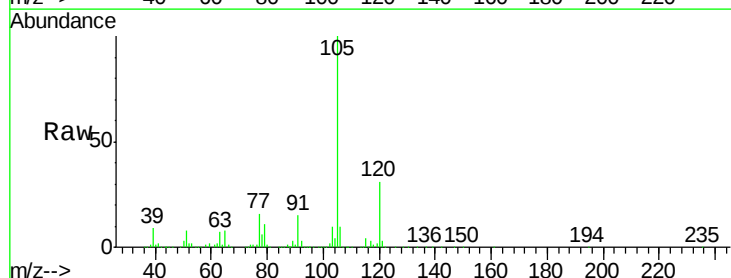
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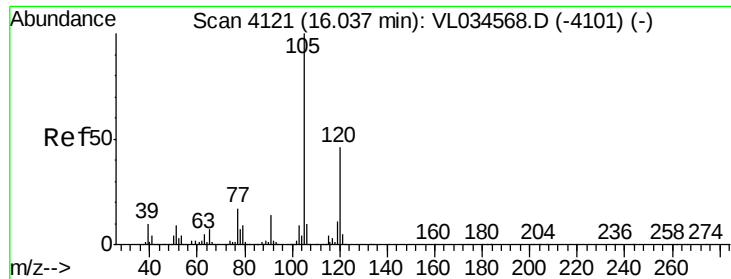
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#72
4-Ethyltoluene
Concen: 9.322 ppbv
RT: 15.88 min Scan# 4071
Delta R.T. -0.02 min
Lab File: VL034568.D
Acq: 30 Jan 2020 12:05

Tgt Ion:105 Resp: 3209405
Ion Ratio Lower Upper
105 100
120 29.7 23.7 35.5
91 14.8 11.5 17.3
77 16.3 12.7 19.1





#73

1,3,5-Trimethylbenzene

Concen: 9.200 ppbv

RT: 16.04 min Scan# 4121

Delta R.T. -0.02 min

Lab File: VL034568.D

Acq: 30 Jan 2020 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 3107385

Ion Ratio Lower Upper

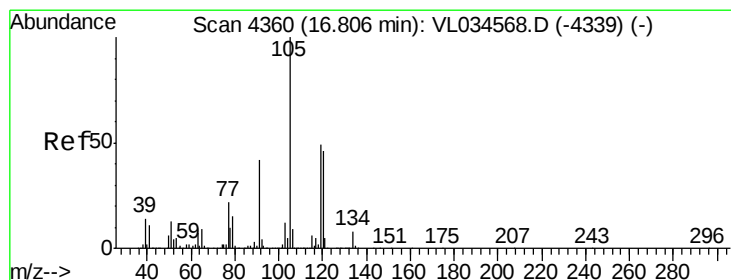
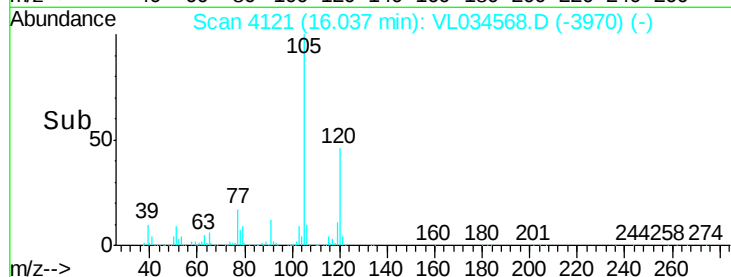
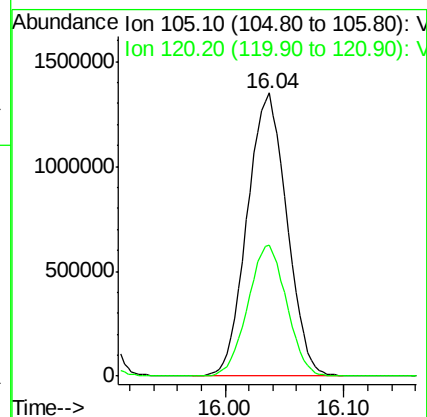
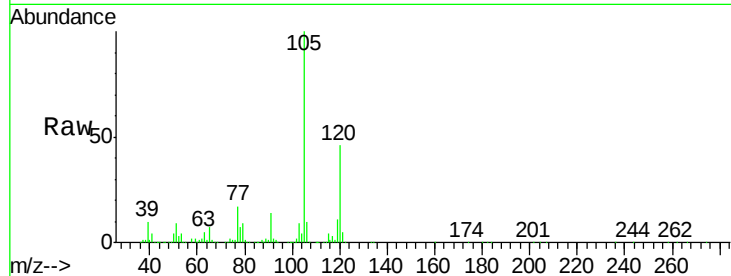
105 100

120 46.3 34.6 52.0

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#74

1,2,4-Trimethylbenzene

Concen: 8.962 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. -0.01 min

Lab File: VL034568.D

Acq: 30 Jan 2020 12:05

Tgt Ion:105 Resp: 3238131

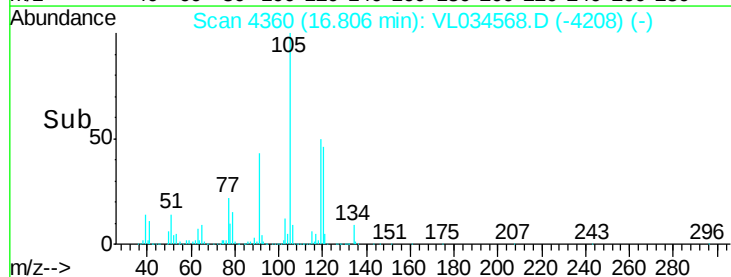
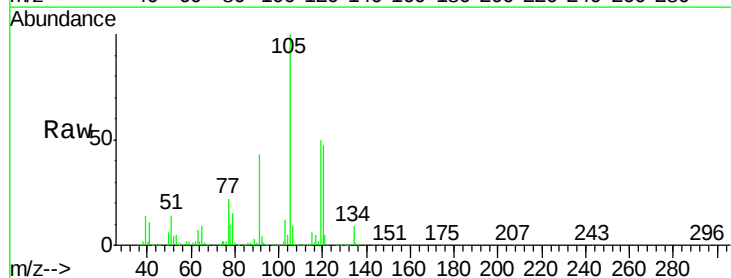
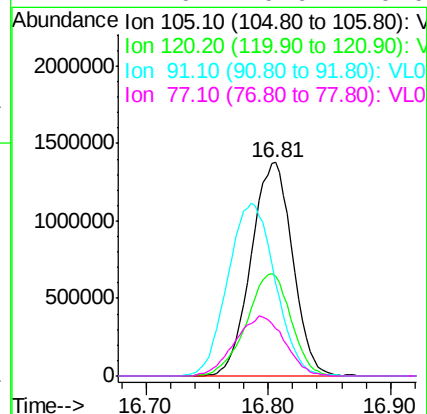
Ion Ratio Lower Upper

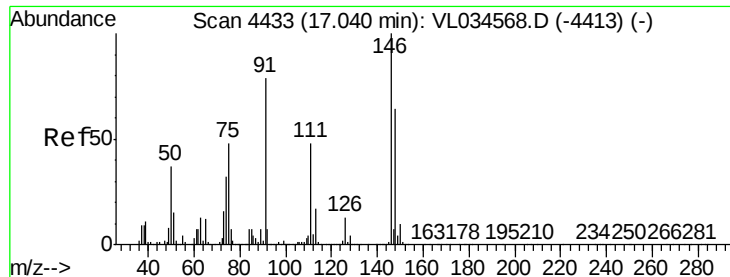
105 100

120 46.4 36.7 55.1

91 42.9 44.0 66.0#

77 21.9 19.9 29.9





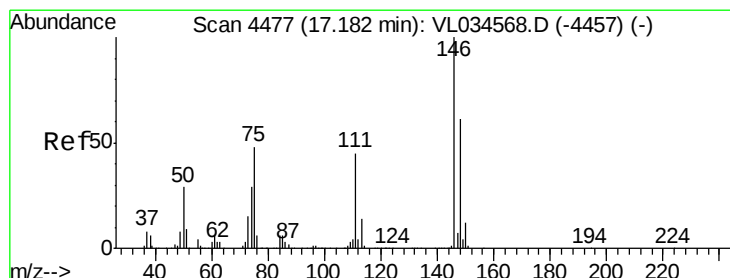
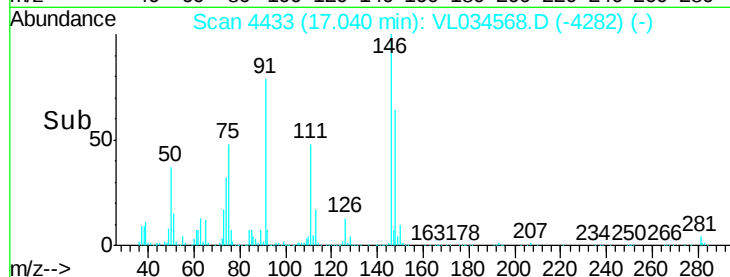
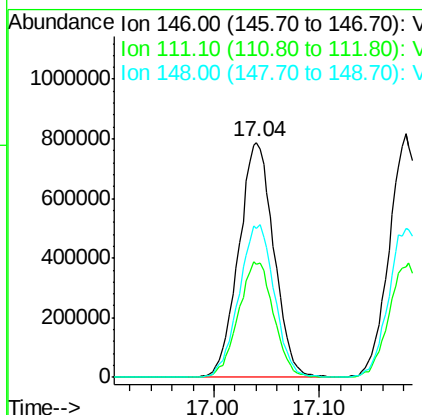
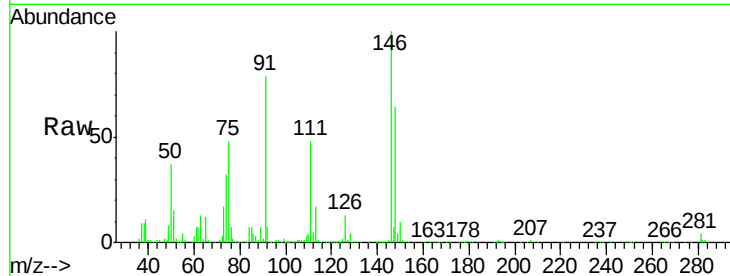
#75
 1,3-Dichlorobenzene
 Concen: 8.422 ppbv
 RT: 17.04 min Scan# 4433
 Delta R.T. -0.02 min
 Lab File: VL034568.D
 Acq: 30 Jan 2020 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:146 Resp: 1822703
 Ion Ratio Lower Upper
 146 100
 111 49.4 25.1 75.3
 148 65.6 33.0 99.0

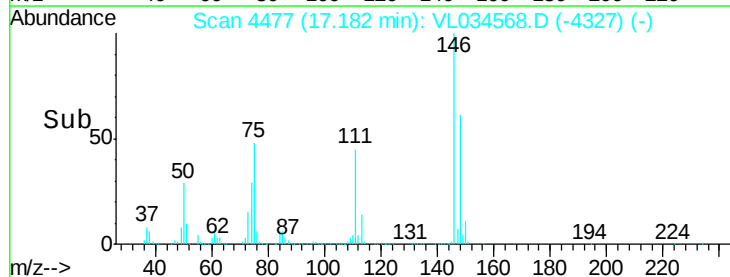
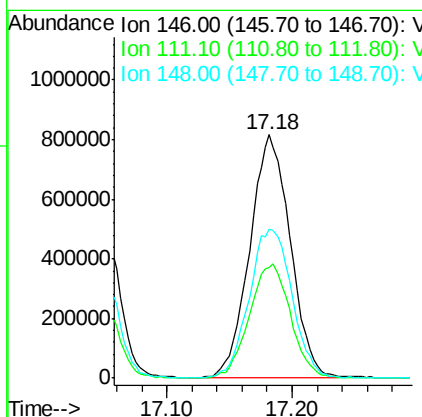
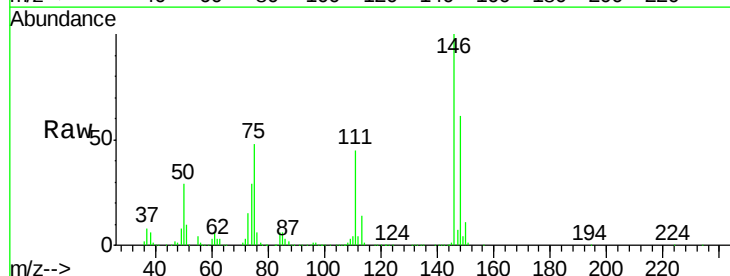
Manual Integrations
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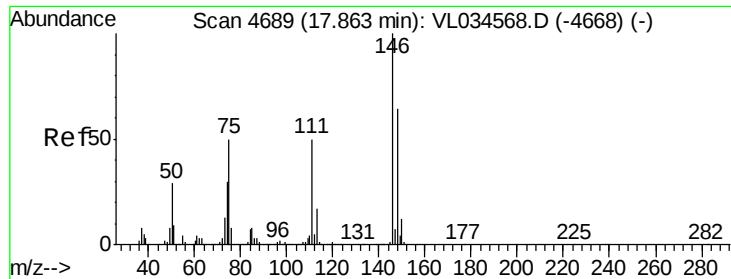
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#76
 1,4-Dichlorobenzene
 Concen: 8.766 ppbv
 RT: 17.18 min Scan# 4477
 Delta R.T. -0.02 min
 Lab File: VL034568.D
 Acq: 30 Jan 2020 12:05

Tgt Ion:146 Resp: 1826400
 Ion Ratio Lower Upper
 146 100
 111 48.1 23.5 70.6
 148 65.3 32.1 96.3





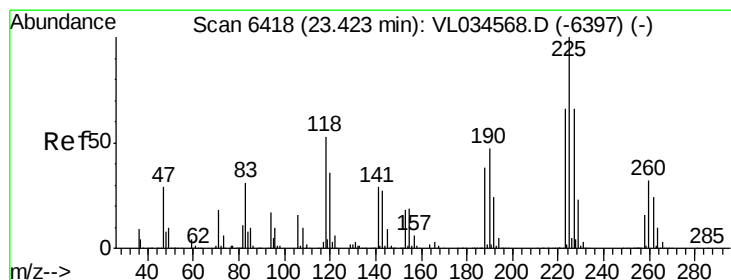
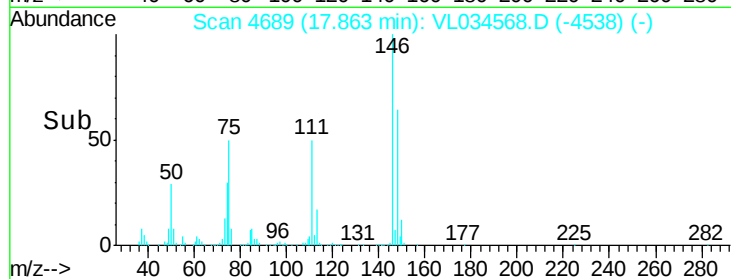
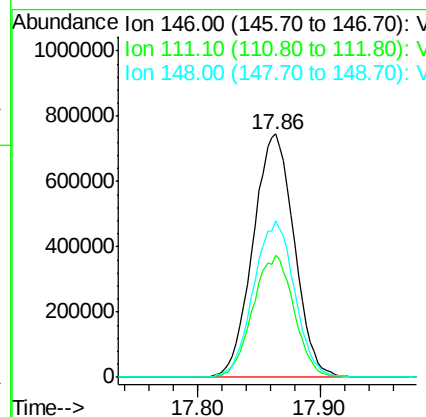
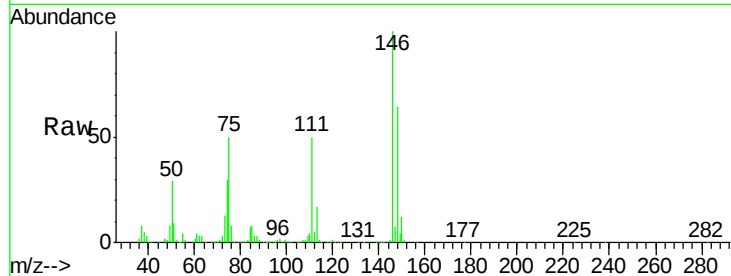
#77
 1,2-Dichlorobenzene
 Concen: 8.568 ppbv
 RT: 17.86 min Scan# 4689
 Delta R.T. -0.02 min
 Lab File: VL034568.D
 Acq: 30 Jan 2020 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.2	25.3	75.8
148	64.4	32.1	96.3

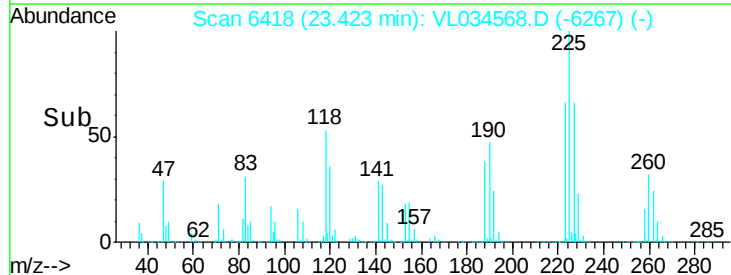
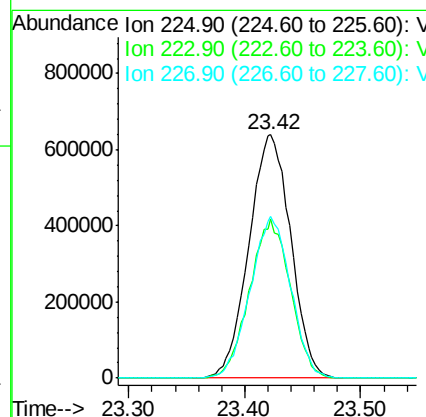
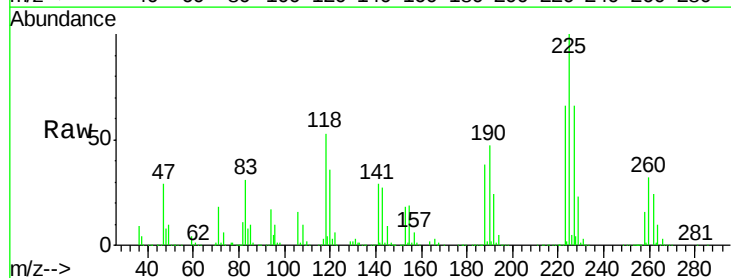
Manual Integrations
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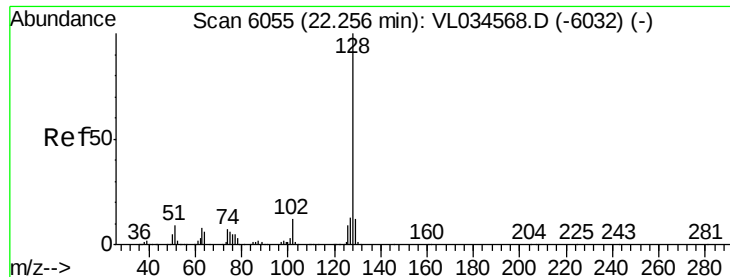
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.293 ppbv
 RT: 23.42 min Scan# 6418
 Delta R.T. -0.02 min
 Lab File: VL034568.D
 Acq: 30 Jan 2020 12:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	51.0	76.6
227	64.5	51.8	77.6





#79

Naphthalene

Concen: 10.074 ppbv

RT: 22.26 min Scan# 6055

Delta R.T. -0.02 min

Lab File: VL034568.D

Acq: 30 Jan 2020 12:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:128 Resp: 2741592

Ion Ratio Lower Upper

128 100

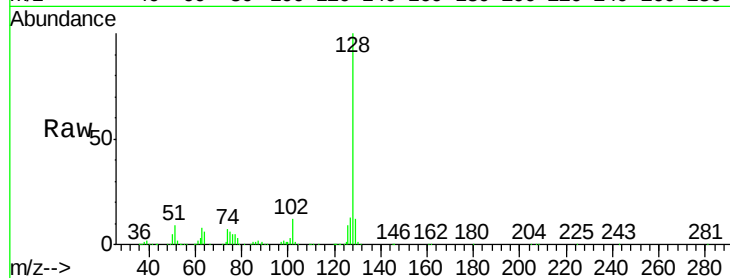
127 12.6 10.6 15.8

129 11.6 8.7 13.1

Manual Integrations
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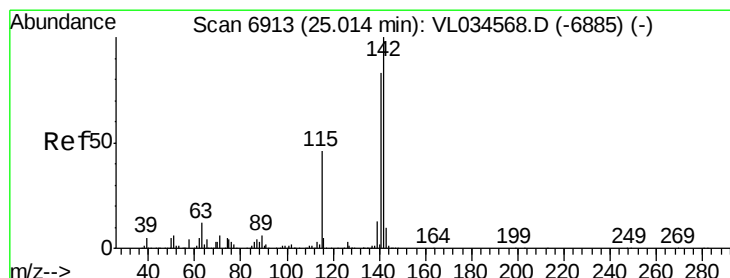
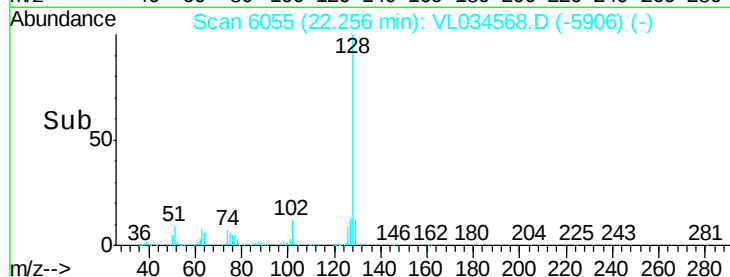
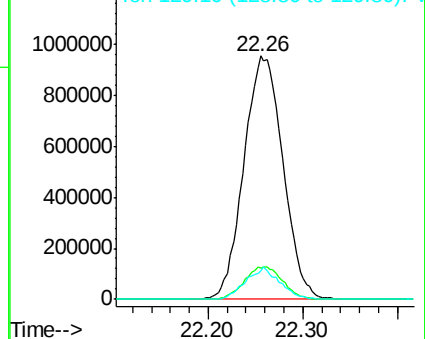
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Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 17.144 ppbv

RT: 25.01 min Scan# 6913

Delta R.T. -0.02 min

Lab File: VL034568.D

Acq: 30 Jan 2020 12:05

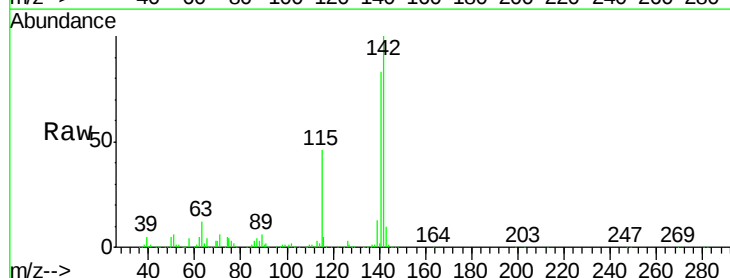
Tgt Ion:142 Resp: 1292502

Ion Ratio Lower Upper

142 100

141 83.7 65.8 98.8

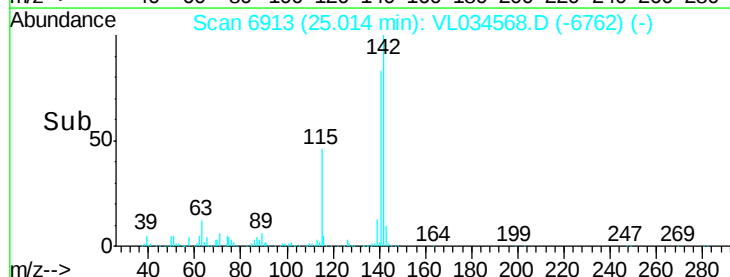
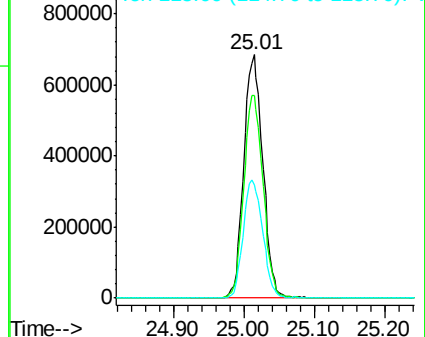
115 49.4 30.4 45.6#

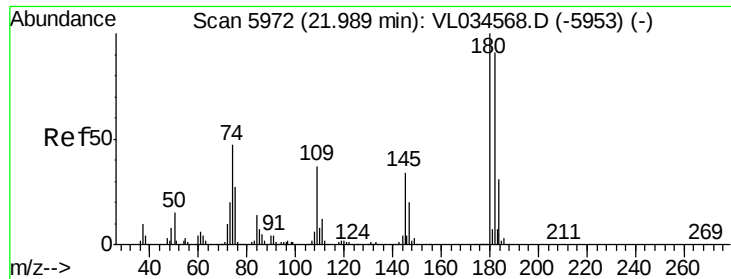


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.306 ppbv
 RT: 21.99 min Scan# 5972
 Delta R.T. -0.02 min
 Lab File: VL034568.D
 Acq: 30 Jan 2020 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	77.8	116.8
184	31.7	25.2	37.8

Manual Integrations
 APPROVED

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