

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL121317\
 Data File : VL031219.D
 Acq On : 14 Dec 2017 3:31
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL121317

Manual Integrations
 APPROVED

MMDadoda
 12/15/2017 4:07:01 PM

Quant Time: Dec 14 08:42:23 2017
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL121317AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 14 2017
 QLast Update : Thu Dec 14 04:29:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.91	49	1644952	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.46	114	4007506	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.42	117	4103317m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	3143389	10.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.18	85	1551067	11.16	ppbv	100
3) Chlorodifluoromethane	3.12	51	1534314	8.20	ppbv	100
4) Chloromethane	3.27	50	984458	9.74	ppbv	97
5) Vinyl Chloride	3.40	62	936142	8.96	ppbv	98
6) Bromomethane	3.63	94	583164	9.42	ppbv	99
7) Chloroethane	3.72	64	367038	9.48	ppbv	95
8) Dichlorotetrafluoroethane	3.32	85	1990719	10.32	ppbv	98
9) Propene	3.13	41	866135	9.44	ppbv	100
10) Heptane	8.41	43	2332018	8.35	ppbv	99
11) Trichlorofluoromethane	4.13	101	2095700	9.18	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.68	101	1368616	8.55	ppbv	98
13) Ethanol	3.77	45	194263	7.34	ppbv	100
14) Bromoethene	3.91	108	652259	9.48	ppbv	99
15) Acetone	4.02	43	1843498	8.49	ppbv	98
16) 1,3-Butadiene	3.47	39	849898	9.10	ppbv	97
17) tert-Butyl alcohol	4.49	59	900563	7.39	ppbv	99
18) 1,1-Dichloroethene	4.48	96	661706	9.23	ppbv	97
19) Isopropyl Alcohol	4.14	45	1186649	8.64	ppbv #	88
20) Methylene Chloride	4.54	84	606515	8.44	ppbv	97
21) Allyl Chloride	4.61	41	1126092	8.82	ppbv	98
22) trans-1,2-Dichloroethene	5.10	96	739766	8.39	ppbv	97
23) Vinyl Acetate	5.30	43	2730645	7.81	ppbv	99
24) 1,1-Dichloroethane	5.23	63	2125229	8.37	ppbv	100
25) Ethyl Acetate	5.92	43	3521546	7.94	ppbv	99
26) Hexane	5.93	57	1676150	7.97	ppbv	98
27) Carbon Disulfide	4.76	76	1807667	8.58	ppbv	99
28) Methyl tert-Butyl Ether	5.25	73	2242168	8.15	ppbv	99
29) Chloroform	6.00	83	2338590	8.23	ppbv	99
30) Cyclohexane	7.41	84	1388566	7.49	ppbv	99
31) cis-1,2-Dichloroethene	5.79	61	1539801	8.07	ppbv	99
32) 1,1,1-Trichloroethane	6.78	97	2378809	7.83	ppbv	99
34) 2-Butanone	5.47	43	2375626	8.39	ppbv	100
35) Carbon Tetrachloride	7.30	117	2304116	8.03	ppbv	97
36) Benzene	7.17	78	3428822	8.07	ppbv	99
37) 1,2-Dichloroethane	6.57	62	1913688	8.17	ppbv	100
38) Trichloroethene	8.13	130	1326277	8.01	ppbv	98
39) 1,2-Dichloropropane	7.90	63	1285439	8.56	ppbv	99
40) 1,4-Dioxane	8.12	88	499886	9.22	ppbv #	96
41) Tetrahydrofuran	6.30	42	1355502	8.52	ppbv	99
42) Bromodichloromethane	8.08	83	2531722	9.17	ppbv	99
43) Methyl Methacrylate	8.30	69	1280922	9.00	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.16	57	5612538	8.75	ppbv	100
45) t-1,3-Dichloropropene	9.58	75	1739079	8.94	ppbv	99
46) cis-1,3-Dichloropropene	9.00	75	2165796	8.85	ppbv	98
47) 1,1,2-Trichloroethane	9.79	97	1429016	9.17	ppbv	98
48) Dibromochloromethane	10.63	129	2302240	9.46	ppbv	99
49) Bromoform	13.38	173	1711246	9.53	ppbv	100
50) 4-Methyl-2-Pentanone	9.04	43	3019269	8.72	ppbv	100
51) 2-Hexanone	10.44	43	2839357	8.59	ppbv #	100
52) Tetrachloroethene	11.55	164	1261373	8.05	ppbv	97
53) Toluene	10.12	91	4189756	9.09	ppbv	100
54) 1,2-Dibromoethane	10.94	107	2150042	9.11	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.46	131	1541506	8.42	ppbv	93
57) Chlorobenzene	12.48	112	3097092	8.10	ppbv	99
58) Ethyl Benzene	13.04	91	5605398	8.27	ppbv	98
59) m/p-Xylene	13.32	91	8777448m	16.18	ppbv	
60) o-Xylene	14.03	91	4405838	8.06	ppbv	99
61) Styrene	13.86	104	1288410	8.22	ppbv	99
62) Isopropylbenzene	15.00	105	5941855	8.29	ppbv	99
63) 1,1,2,2-Tetrachloroethane	14.01	83	2863815	7.82	ppbv	100
64) n-propylbenzene	15.90	120	1594260	8.38	ppbv	100
65) tert-Butylbenzene	17.08	119	5054202	7.96	ppbv	99
66) Benzyl Chloride	17.33	91	616747	9.01	ppbv	99
67) sec-Butylbenzene	17.63	105	7194405	8.24	ppbv	99
69) p-Isopropyltoluene	17.99	119	5908909	8.11	ppbv	100
70) n-Butylbenzene	18.88	91	5841180	8.32	ppbv	100
71) 2-Chlorotoluene	15.79	91	4431196	8.33	ppbv	100
72) 4-Ethyltoluene	16.18	105	4953493	8.27	ppbv	100
73) 1,3,5-Trimethylbenzene	16.33	105	4377370	8.21	ppbv	100
74) 1,2,4-Trimethylbenzene	17.10	105	4388230	7.83	ppbv	98
75) 1,3-Dichlorobenzene	17.34	146	2862599	8.05	ppbv	100
76) 1,4-Dichlorobenzene	17.48	146	2889607	8.04	ppbv	99
77) 1,2-Dichlorobenzene	18.16	146	2872043	8.27	ppbv	99
78) Hexachloro-1,3-Butadiene	23.71	225	636922	7.98	ppbv	100
79) Naphthalene	22.62	128	3834192	8.45	ppbv	100
80) Naphthalene, 2-methyl-	25.25	142	1222873	7.24	ppbv	100
81) 1,2,4-Trichlorobenzene	22.34	180	1726671	8.17	ppbv	100

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

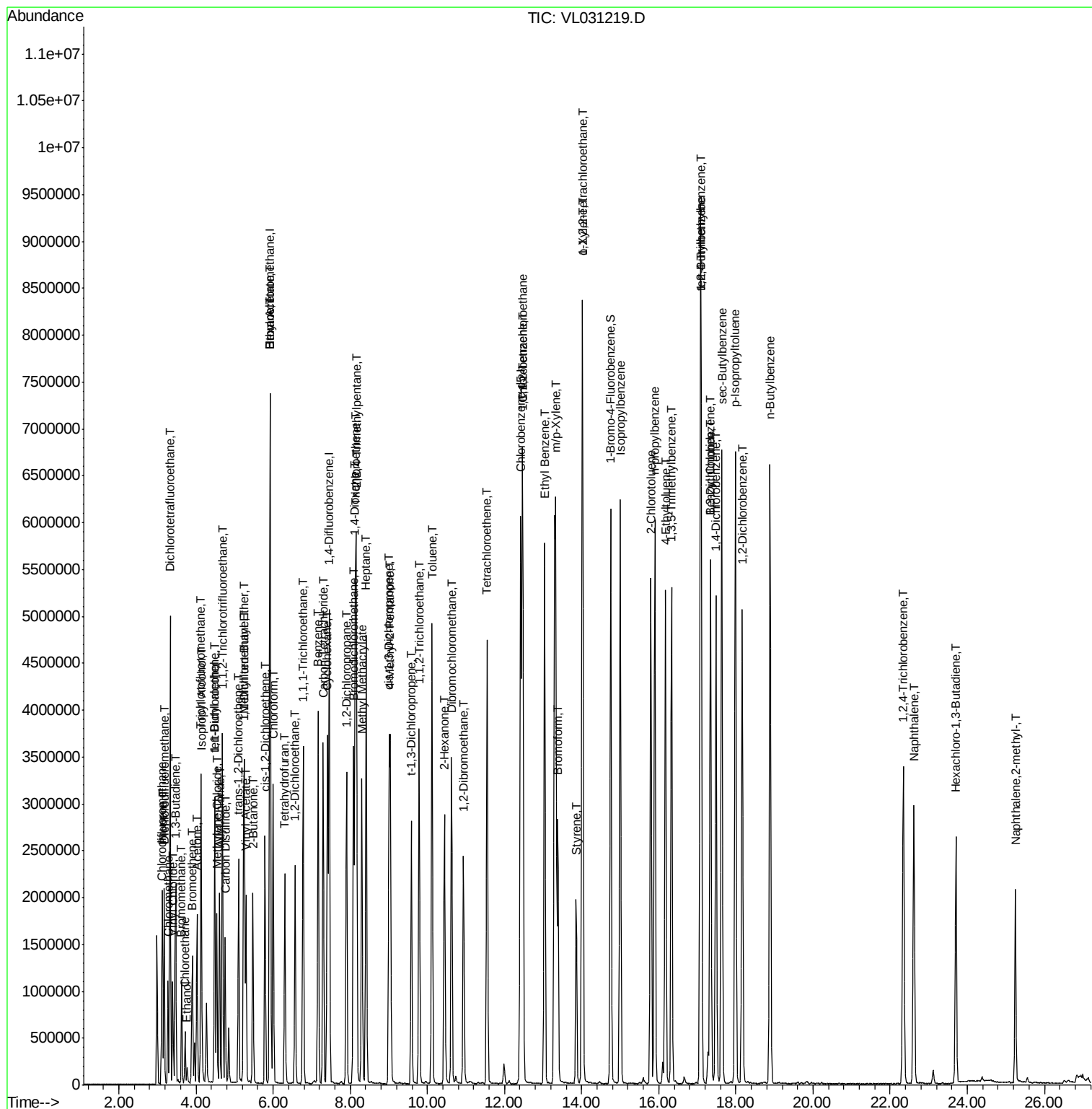
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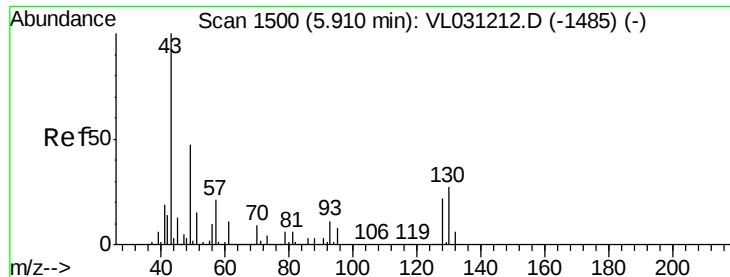
Instrument :
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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.91 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VL031219.D

Acq: 14 Dec 2017 3:31

Instrument :

MSVOA_L

ClientSampleId :

ICVVL121317

Tot Ion: 49 Resp: 1644952

Ion Ratio Lower Upper

49 100

128 47.5 23.2 69.5

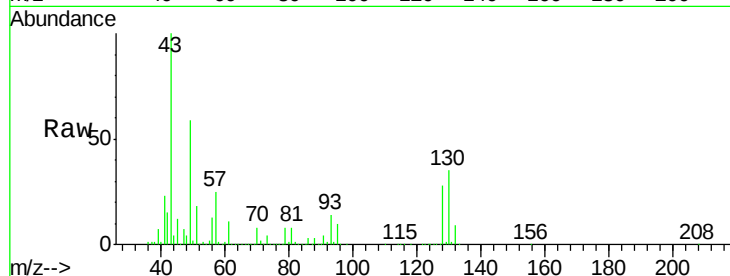
130 60.8 29.6 88.8

Manual Integrations

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MMDadoda

12/15/2017 4:07:01 PM

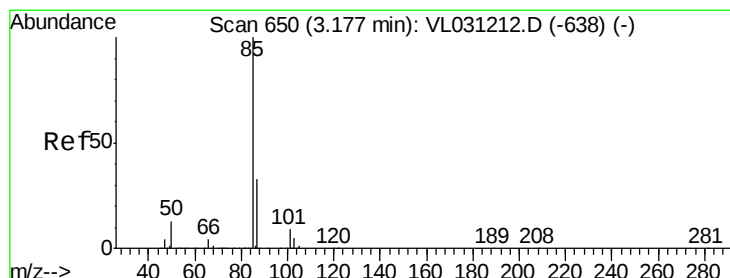
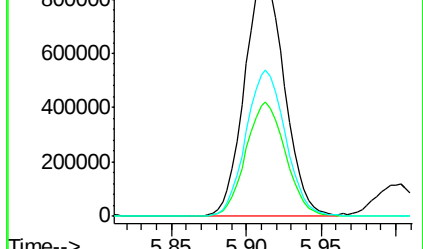
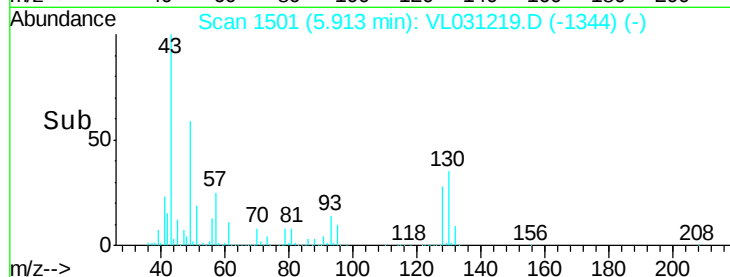


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

Time-->



#2

Dichlorodifluoromethane

Concen: 11.16 ppbv

RT: 3.18 min Scan# 651

Delta R.T. 0.00 min

Lab File: VL031219.D

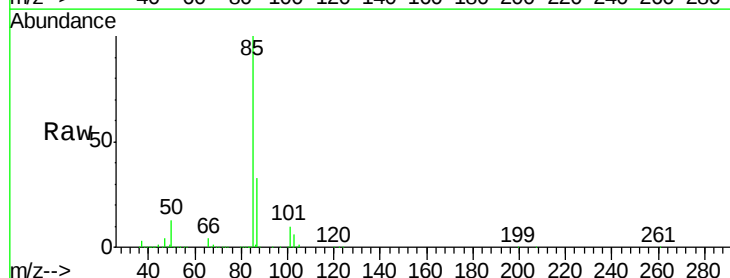
Acq: 14 Dec 2017 3:31

Tgt Ion: 85 Resp: 1551067

Ion Ratio Lower Upper

85 100

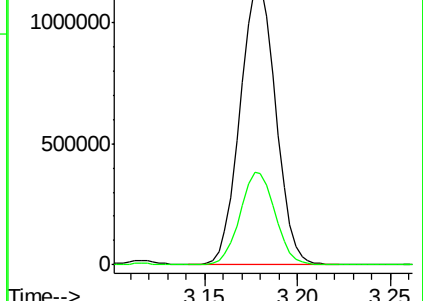
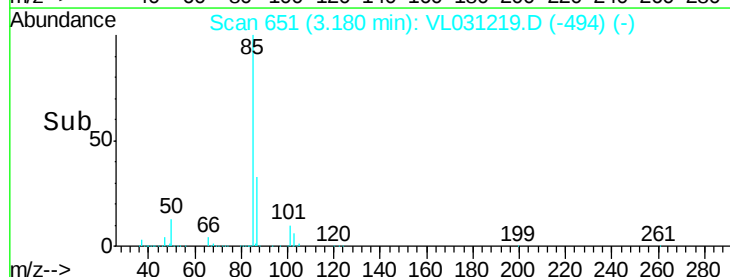
87 32.5 26.2 39.2

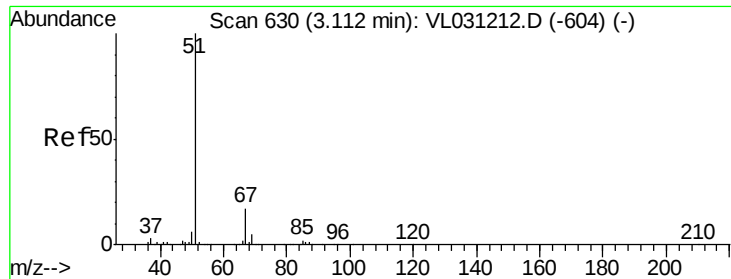


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

Time-->





#3

Chlorodifluoromethane

Concen: 8.20 ppbv

RT: 3.12 min Scan# 631

Delta R.T. 0.00 min

Lab File: VL031219.D

Acq: 14 Dec 2017 3:31

Instrument :

MSVOA_L

ClientSampleId :

ICVVL121317

Tot Ion: 51 Resp: 1534314

Ion Ratio Lower Upper

51 100

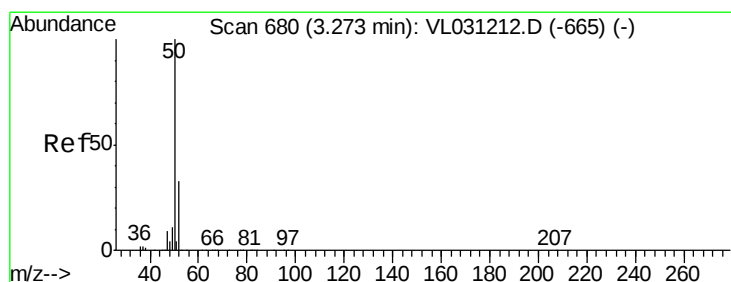
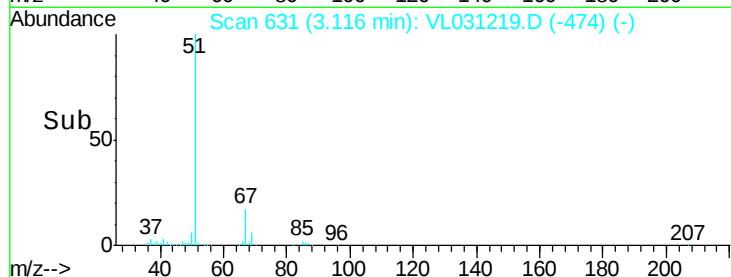
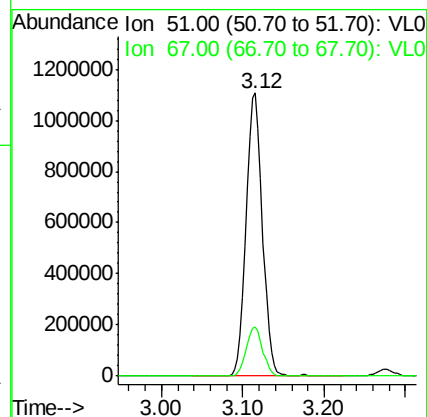
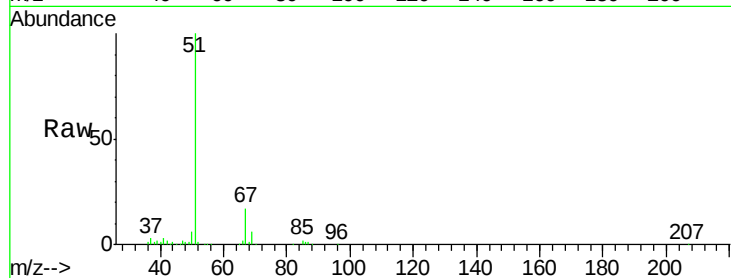
67 17.4 13.8 20.6

Manual Integrations

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#4

Chloromethane

Concen: 9.74 ppbv

RT: 3.27 min Scan# 680

Delta R.T. 0.00 min

Lab File: VL031219.D

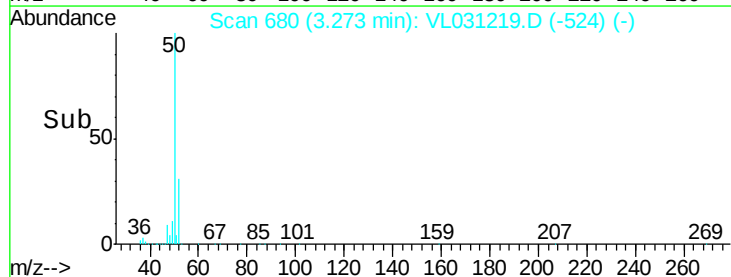
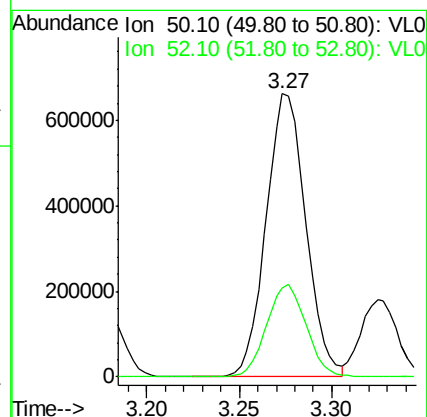
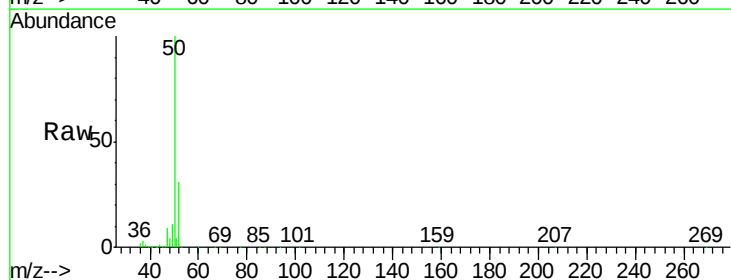
Acq: 14 Dec 2017 3:31

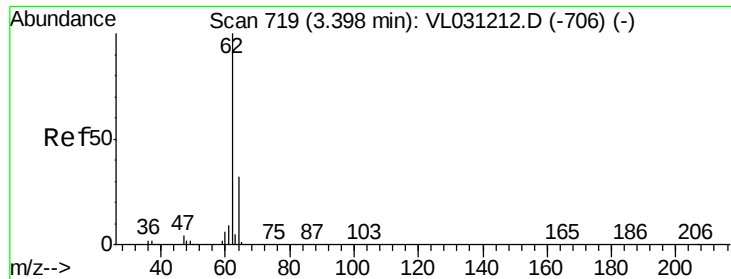
Tgt Ion: 50 Resp: 984458

Ion Ratio Lower Upper

50 100

52 31.3 26.5 39.7





#5

Vinyl Chloride

Concen: 8.96 ppbv

RT: 3.40 min Scan# 719

Delta R.T. 0.00 min

Lab File: VL031219.D

Acq: 14 Dec 2017 3:31

Instrument :

MSVOA_L

ClientSampleId :

ICVVL121317

Tot Ion: 62 Resp: 936142

Ion Ratio Lower Upper

62 100

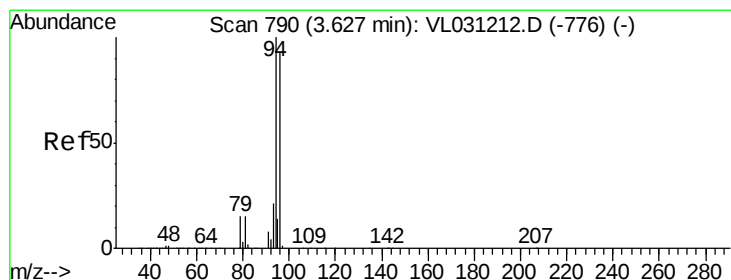
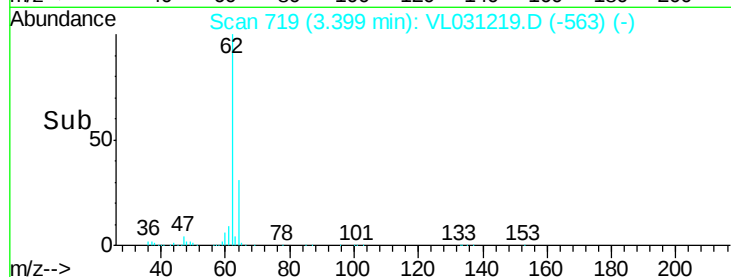
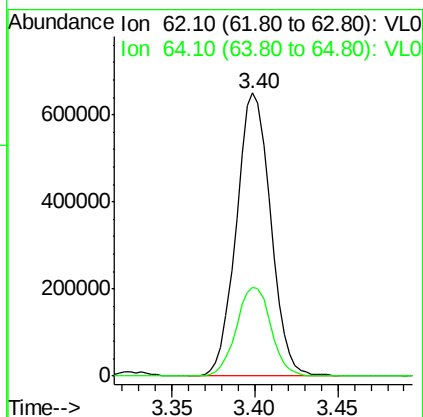
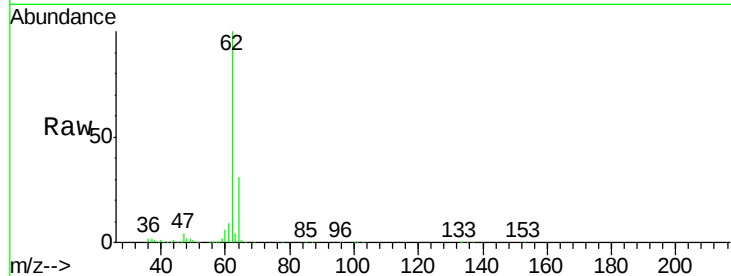
64 31.3 25.9 38.9

Manual Integrations

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#6

Bromomethane

Concen: 9.42 ppbv

RT: 3.63 min Scan# 790

Delta R.T. 0.00 min

Lab File: VL031219.D

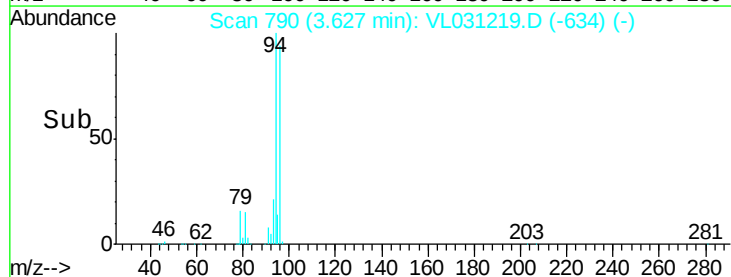
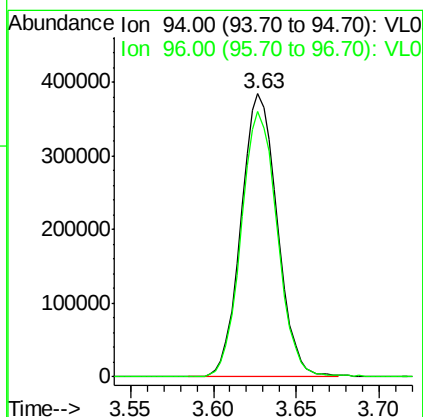
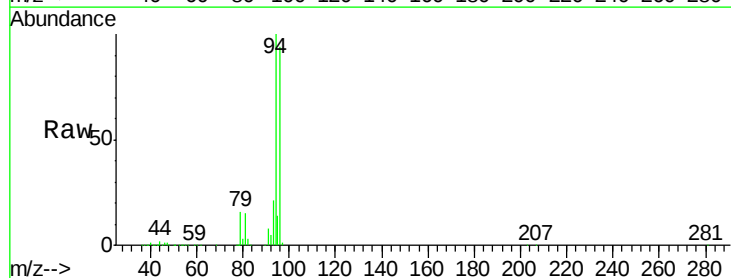
Acq: 14 Dec 2017 3:31

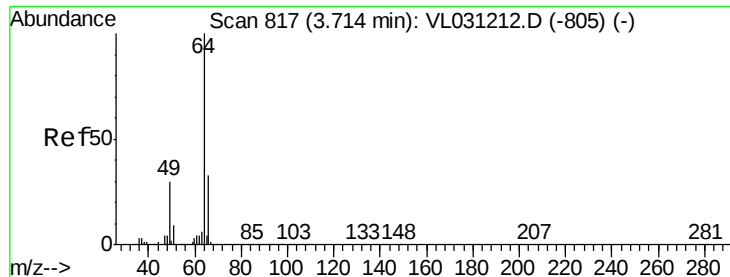
Tgt Ion: 94 Resp: 583164

Ion Ratio Lower Upper

94 100

96 94.0 74.4 111.6





#7

Chloroethane

Concen: 9.48 ppbv

RT: 3.72 min Scan# 818

Delta R.T. 0.00 min

Lab File: VL031219.D

Acq: 14 Dec 2017 3:31

Instrument :

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ClientSampleId :

ICVVL121317

Tot Ion: 64 Resp: 367038

Ion Ratio Lower Upper

64 100

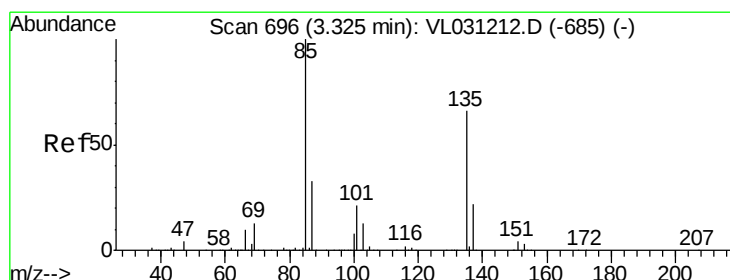
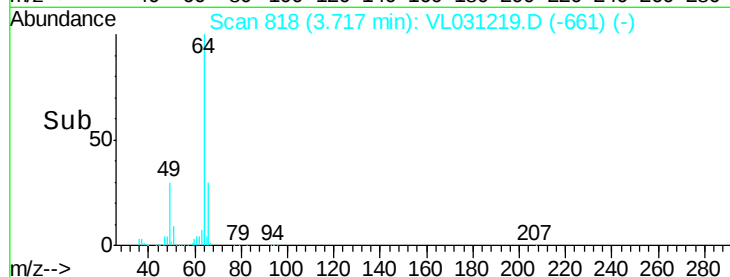
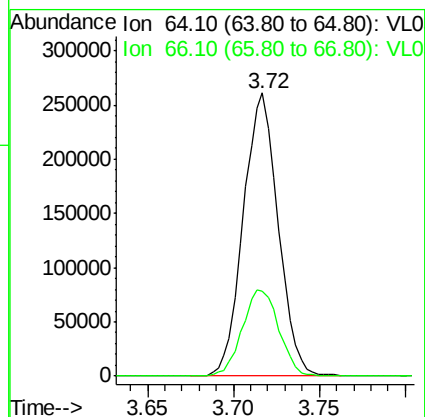
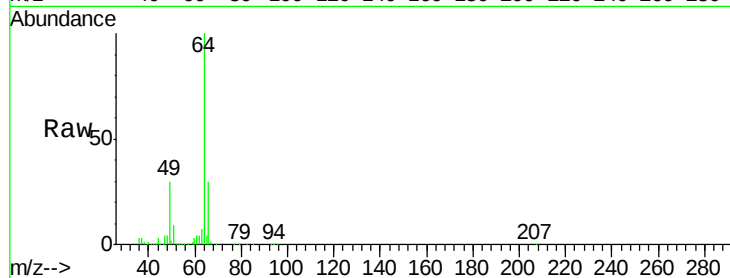
66 30.0 26.2 39.2

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 10.32 ppbv

RT: 3.32 min Scan# 696

Delta R.T. 0.00 min

Lab File: VL031219.D

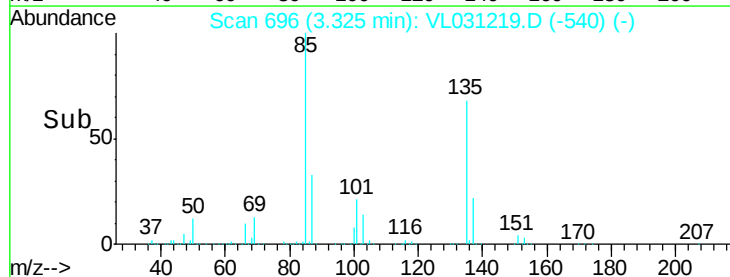
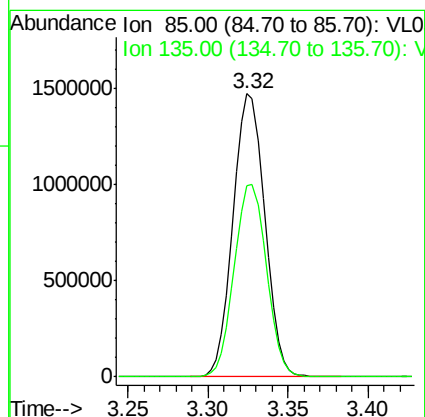
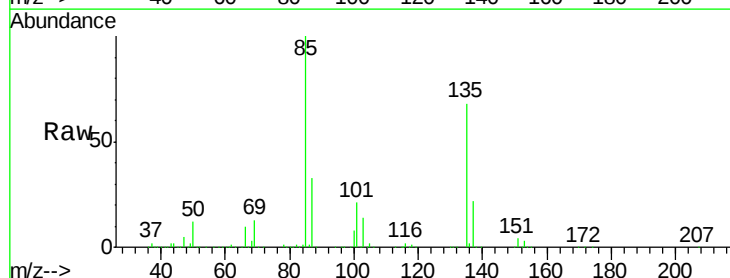
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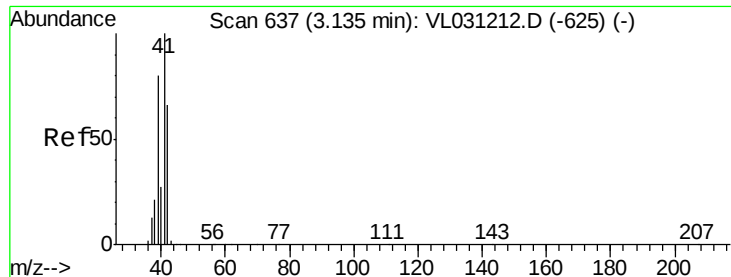
Tgt Ion: 85 Resp: 1990719

Ion Ratio Lower Upper

85 100

135 69.3 54.0 81.0





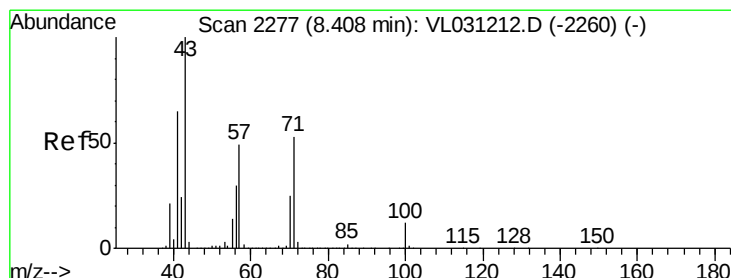
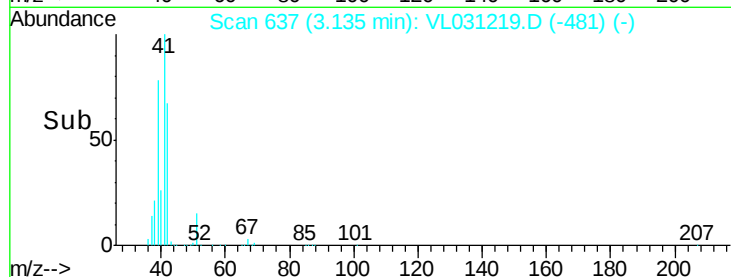
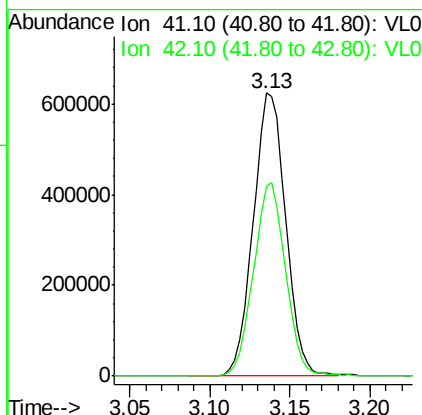
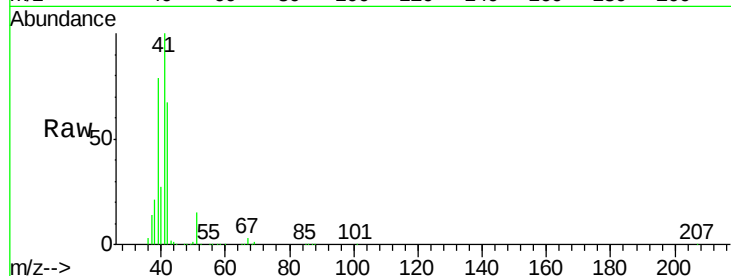
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 Propene
 Concen: 9.44 ppbv
 RT: 3.13 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VL031219.D
 Acq: 14 Dec 2017 3:31

Instrument :
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 ICVVL121317

Tot Ion	41	Resp	866135
Ion Ratio	41	100	
Lower	42	67.6	54.3
Upper			81.5

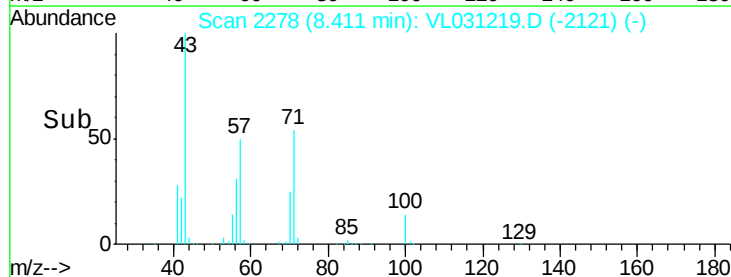
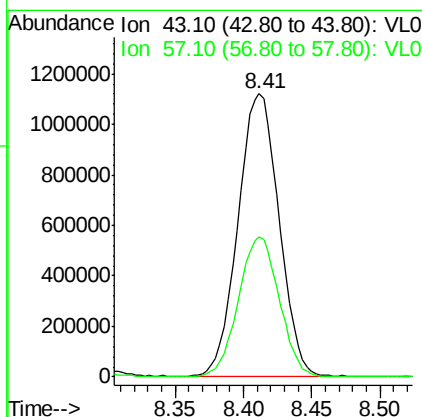
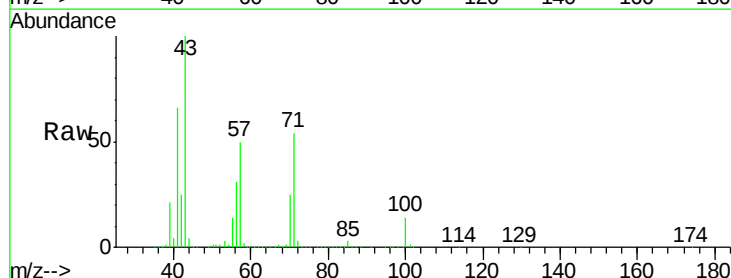
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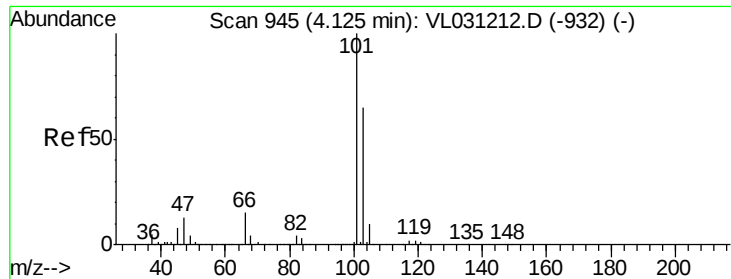
MM Dadoda
 12/15/2017 4:07:01 PM



#10
 Heptane
 Concen: 8.35 ppbv
 RT: 8.41 min Scan# 2278
 Delta R.T. 0.00 min
 Lab File: VL031219.D
 Acq: 14 Dec 2017 3:31

Tgt Ion	43	Resp	2332018
Ion Ratio	43	100	
Lower	57	49.2	39.8
Upper			59.8





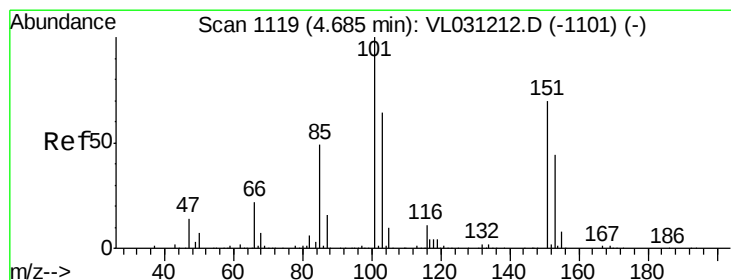
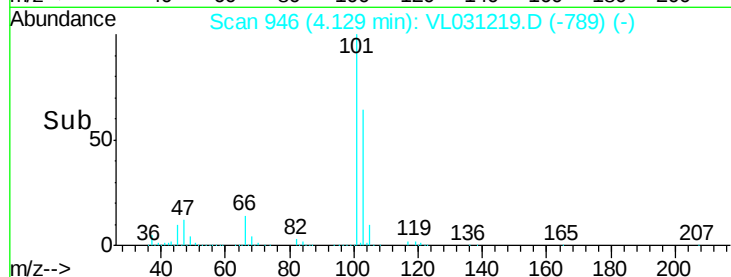
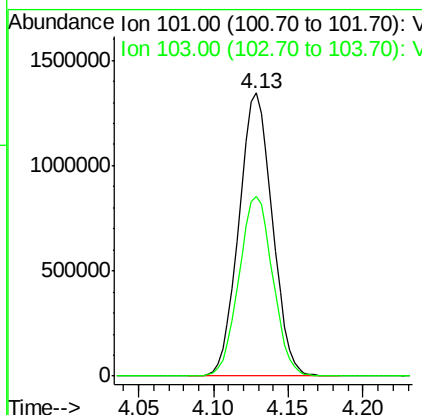
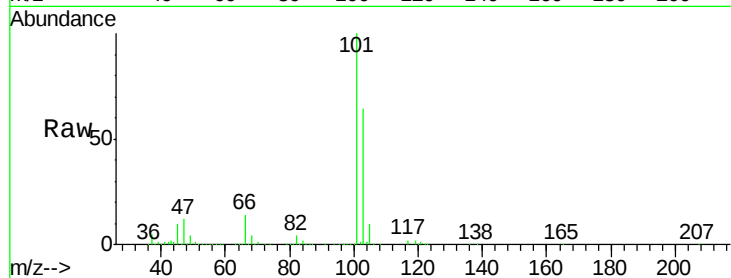
#11
 Trichlorofluoromethane
 Concen: 9.18 ppbv
 RT: 4.13 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VL031219.D
 Acq: 14 Dec 2017 3:31

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL121317

Tot Ion:101 Resp: 2095700
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.8 77.8

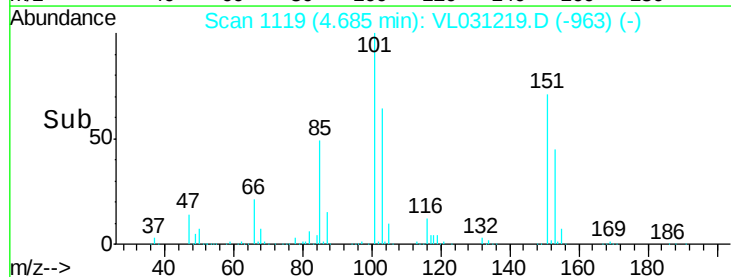
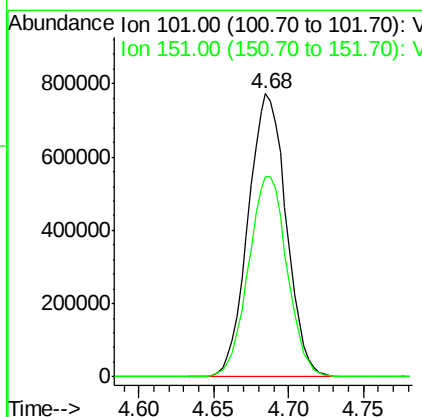
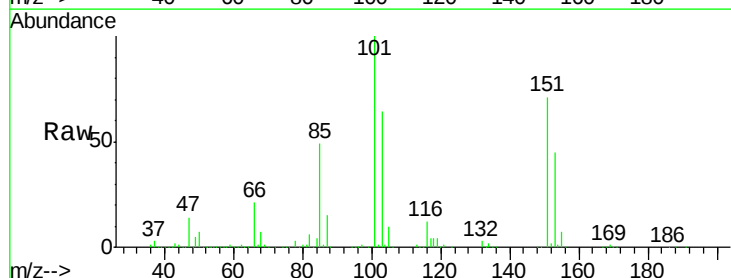
Manual Integrations
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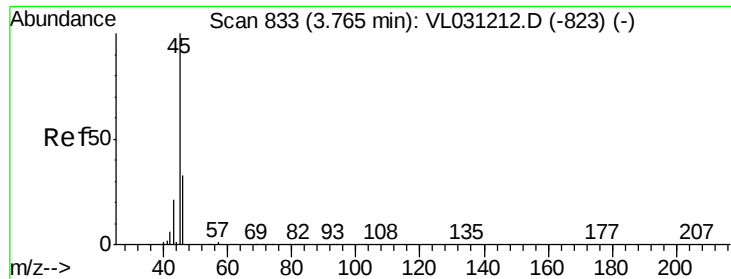
MMMadoda
 12/15/2017 4:07:01 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.55 ppbv
 RT: 4.68 min Scan# 1119
 Delta R.T. 0.00 min
 Lab File: VL031219.D
 Acq: 14 Dec 2017 3:31

Tgt Ion:101 Resp: 1368616
 Ion Ratio Lower Upper
 101 100
 151 72.1 56.5 84.7





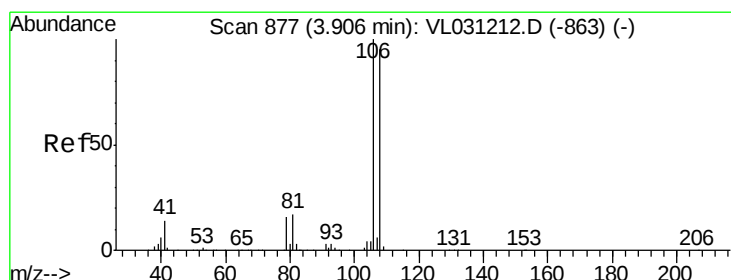
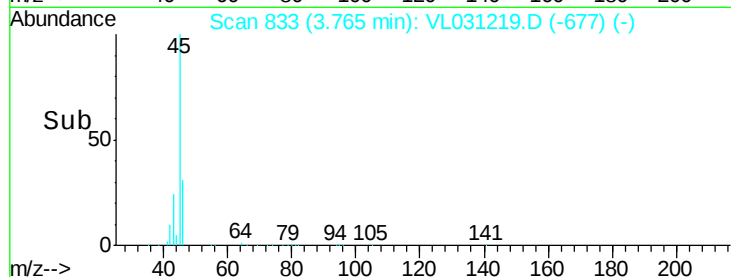
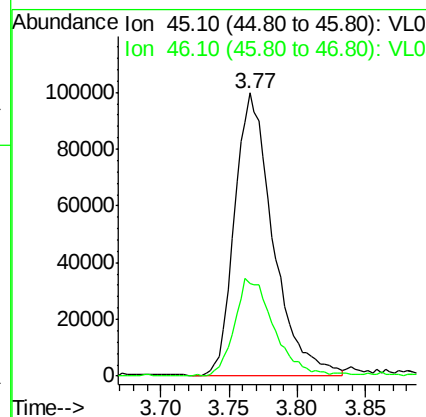
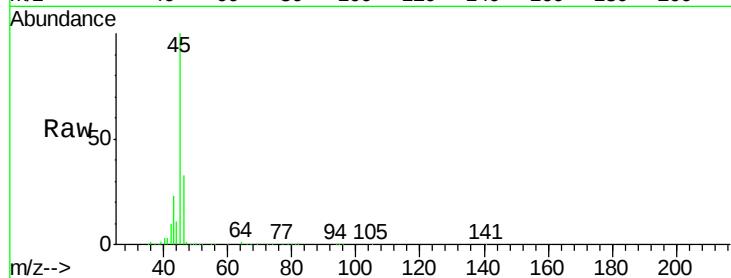
#13
Ethanol
Concen: 7.34 ppbv
RT: 3.77 min Scan# 833
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
ICVVL121317

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.2	14.6	58.4

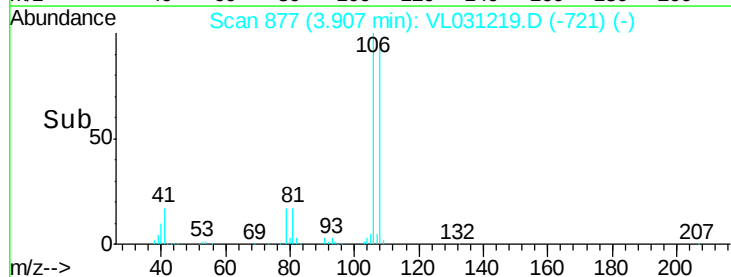
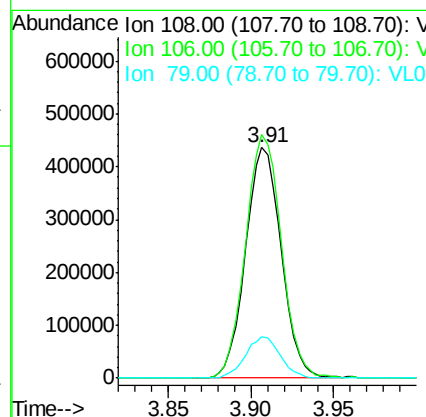
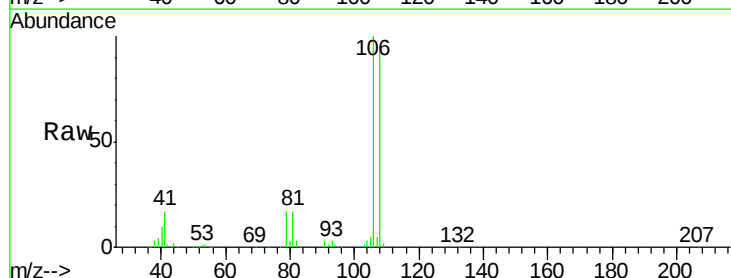
Manual Integrations
APPROVED

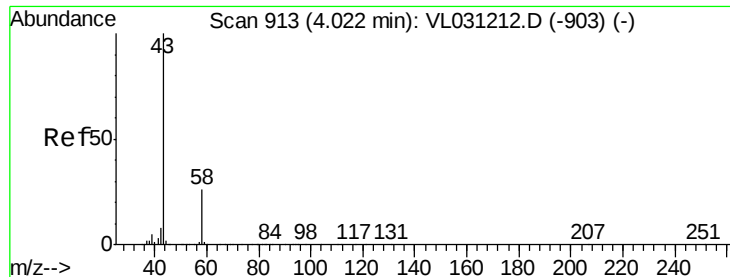
MM Dadoda
12/15/2017 4:07:01 PM



#14
Bromoethene
Concen: 9.48 ppbv
RT: 3.91 min Scan# 877
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.8	86.5	129.7
79	17.8	14.2	21.4





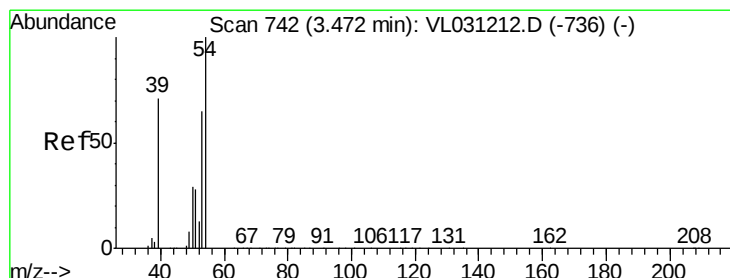
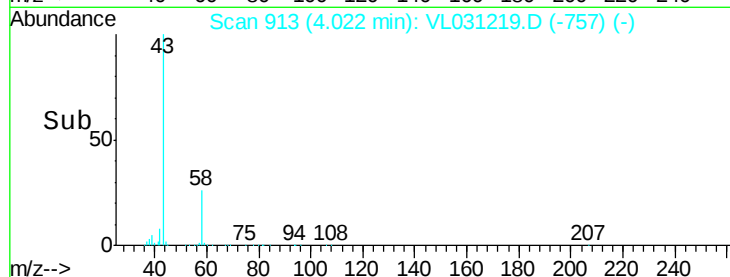
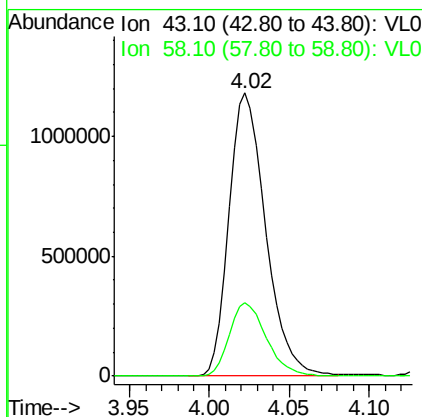
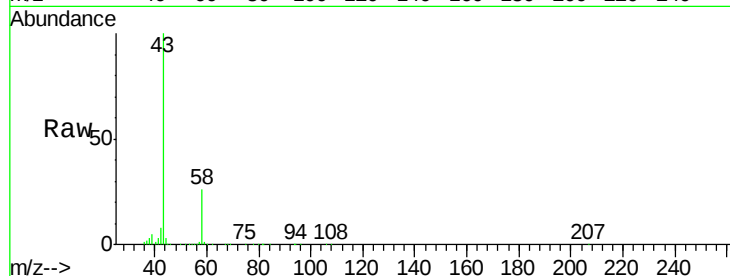
#15
Acetone
Concen: 8.49 ppbv
RT: 4.02 min Scan# 913
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
ICVVL121317

Tot Ion: 43 Resp: 1843498
Ion Ratio Lower Upper
43 100
58 26.4 20.3 30.5

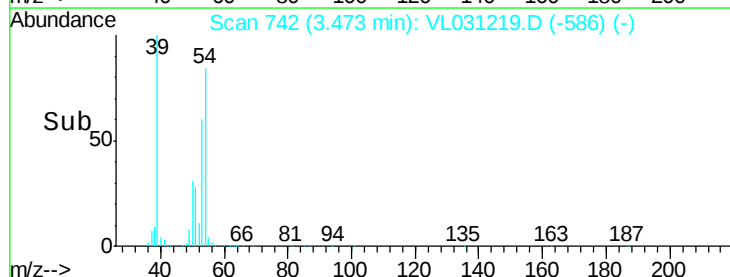
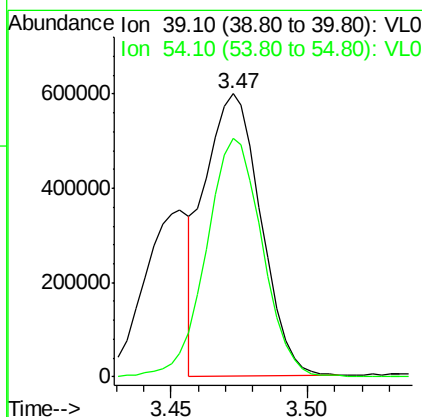
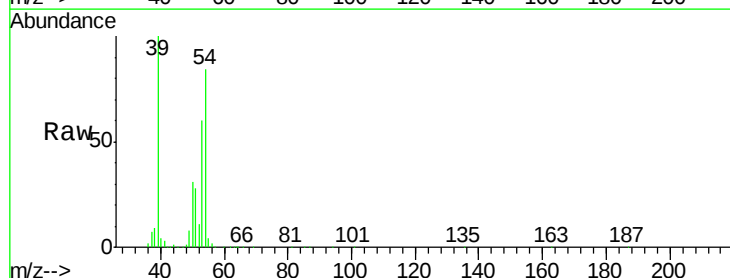
Manual Integrations
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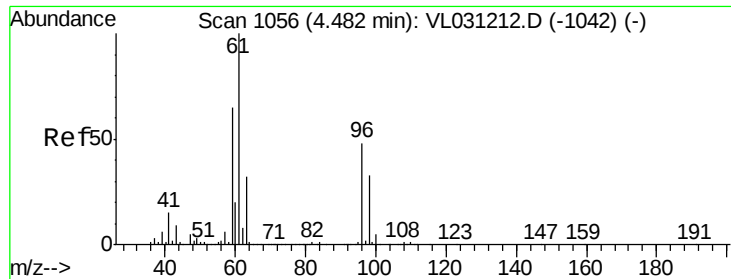
MMDadoda
12/15/2017 4:07:01 PM



#16
1,3-Butadiene
Concen: 9.10 ppbv
RT: 3.47 min Scan# 742
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 39 Resp: 849898
Ion Ratio Lower Upper
39 100
54 85.3 66.4 99.6





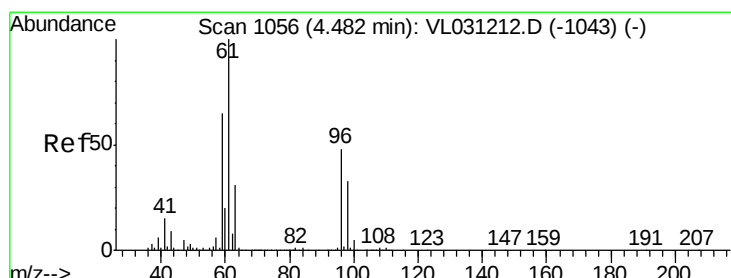
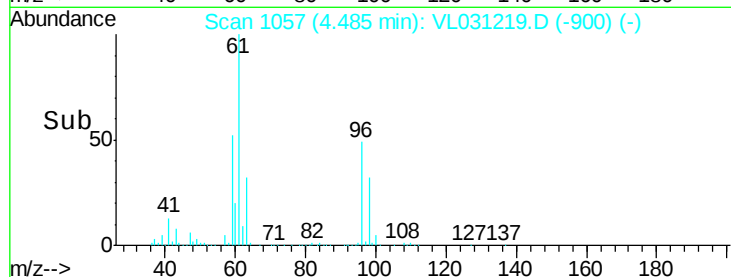
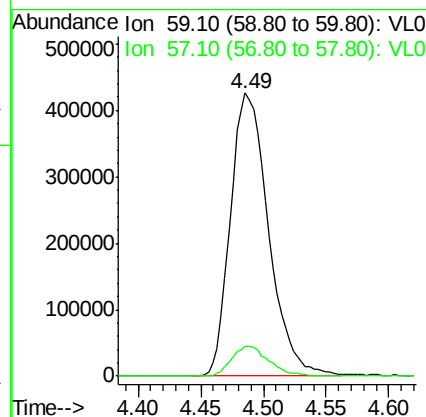
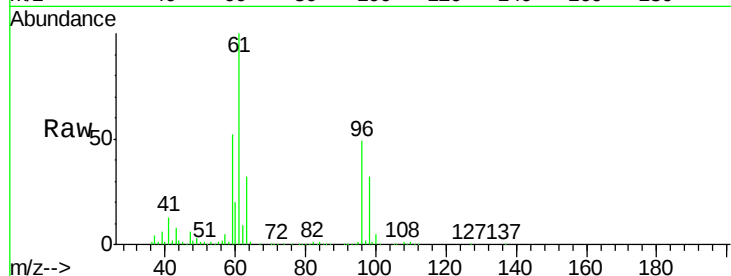
#17
 tert-Butyl alcohol
 Concen: 7.39 ppbv
 RT: 4.49 min Scan# 1057
 Delta R.T. 0.00 min
 Lab File: VL031219.D
 Acq: 14 Dec 2017 3:31

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL121317

Tot Ion	59	Resp	900563
Ion Ratio	59	100	Lower Upper
	57	10.5	8.2 12.2

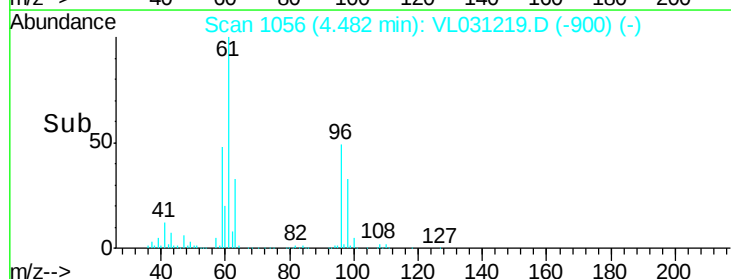
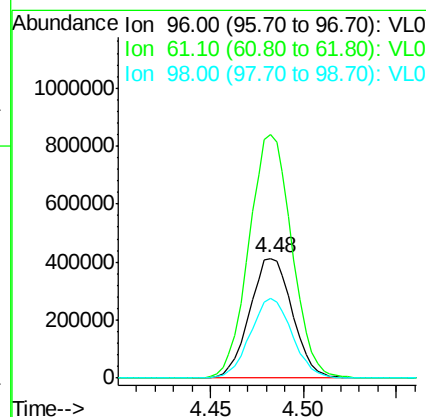
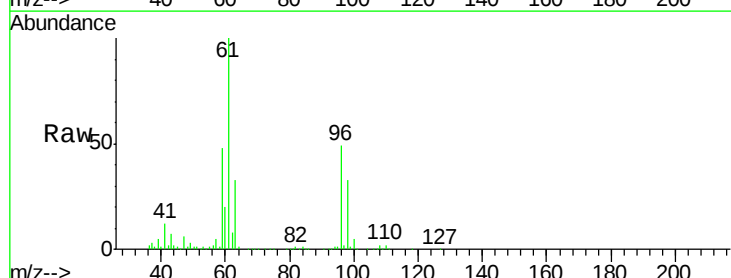
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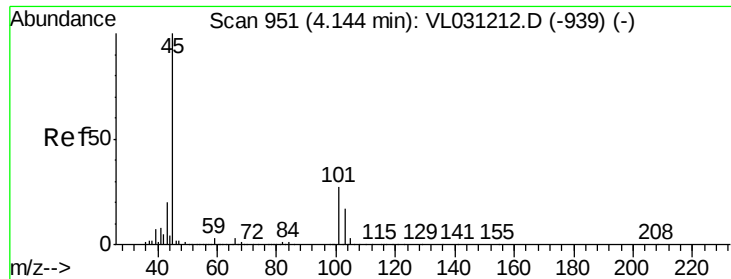
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 12/15/2017 4:07:01 PM



#18
 1,1-Dichloroethene
 Concen: 9.23 ppbv
 RT: 4.48 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: VL031219.D
 Acq: 14 Dec 2017 3:31

Tgt Ion	96	Resp	661706
Ion Ratio	96	100	Lower Upper
	61	203.5	166.8 250.2
	98	66.4	55.0 82.6





#19

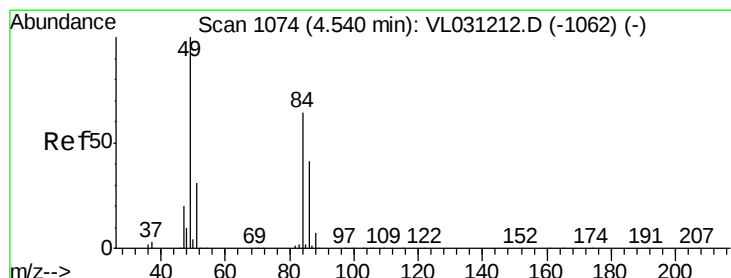
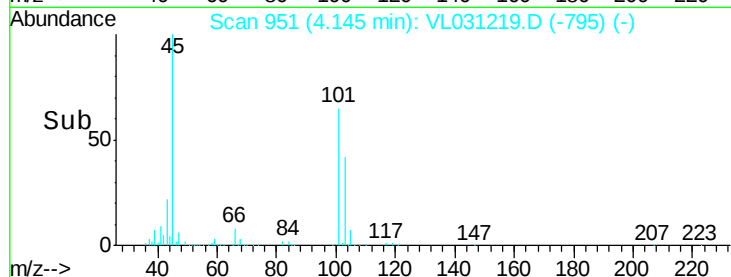
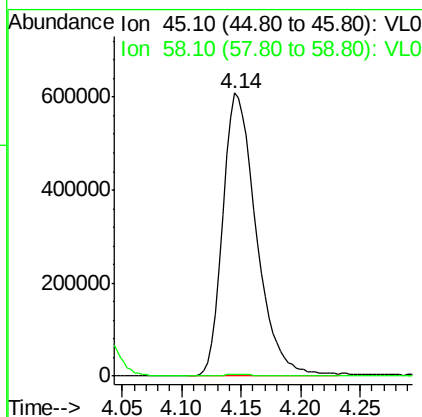
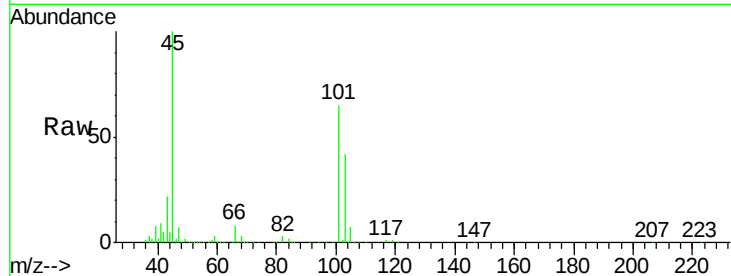
Isopropyl Alcohol
 Concen: 8.64 ppbv
 RT: 4.14 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: VL031219.D
 Acq: 14 Dec 2017 3:31

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL121317

Tot Ion: 45 Resp: 1186649
 Ion Ratio Lower Upper
 45 100
 58 41.0 27.2 40.8#

Manual Integrations
 APPROVED

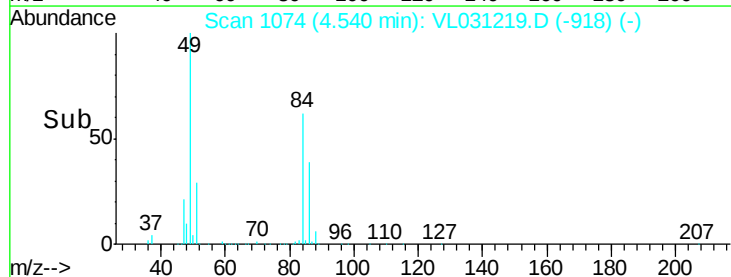
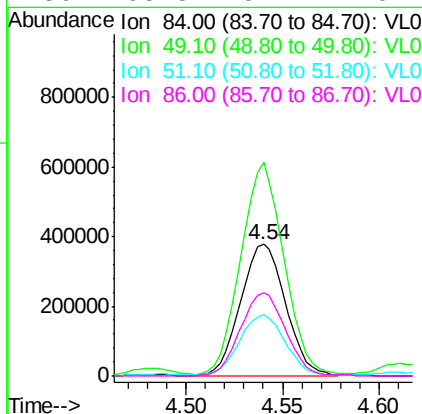
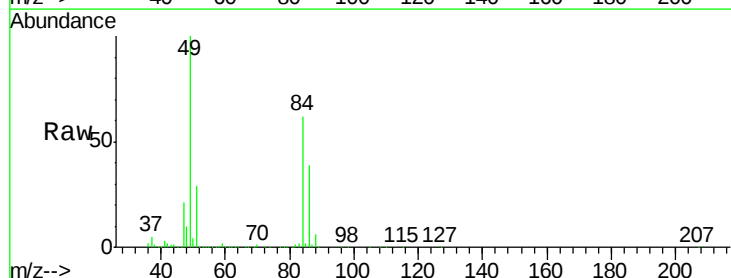
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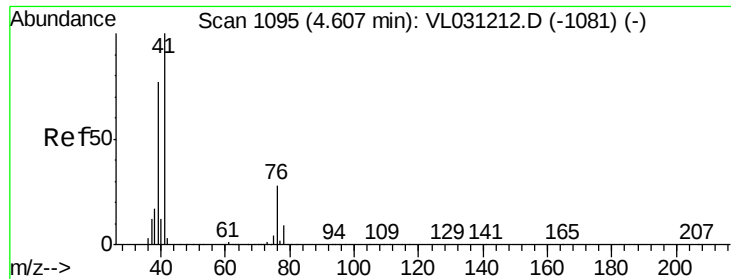


#20

Methylene Chloride
 Concen: 8.44 ppbv
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VL031219.D
 Acq: 14 Dec 2017 3:31

Tgt Ion: 84 Resp: 606515
 Ion Ratio Lower Upper
 84 100
 49 161.3 125.8 188.6
 51 46.6 39.3 58.9
 86 63.8 51.1 76.7





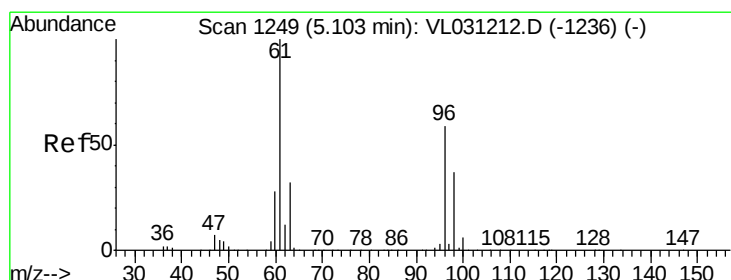
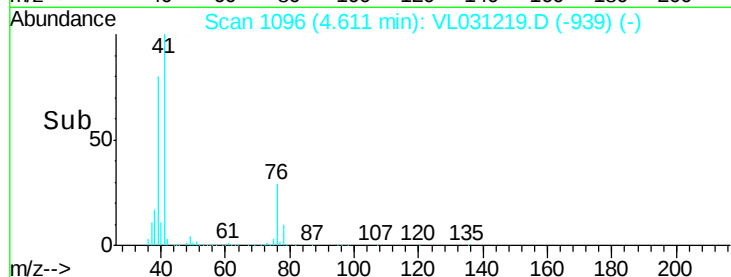
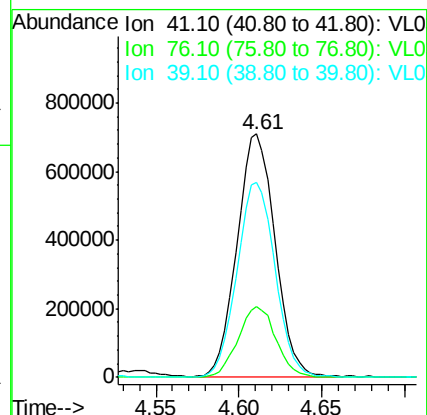
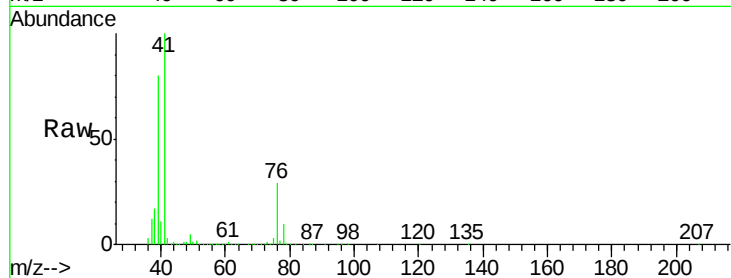
#21
Allvl Chloride
Concen: 8.82 ppbv
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
ICVVL121317

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.0	22.9	34.3
39	80.8	62.6	93.8

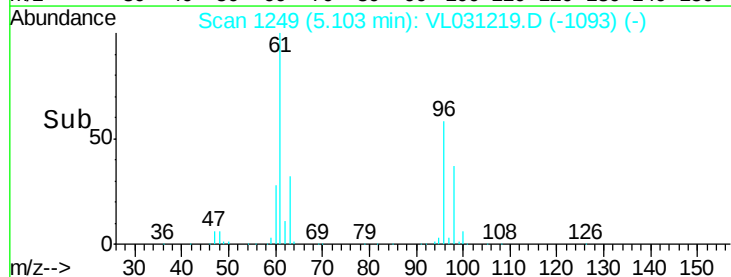
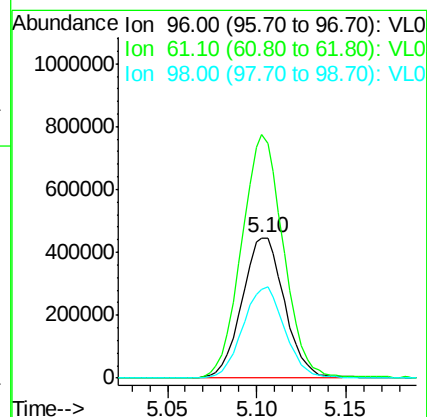
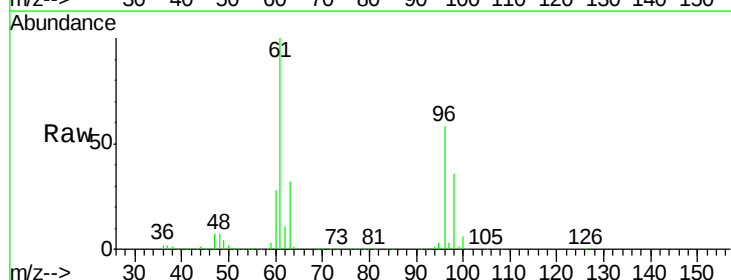
Manual Integrations
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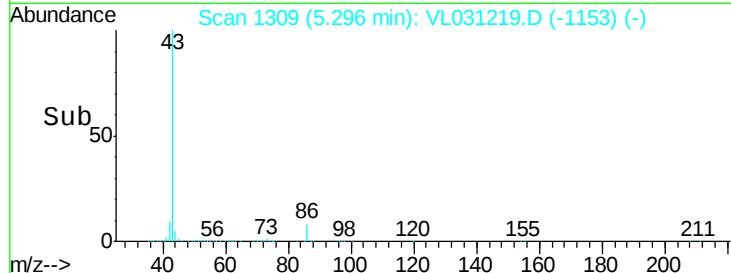
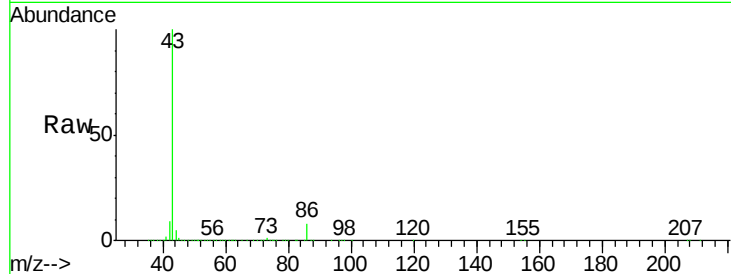
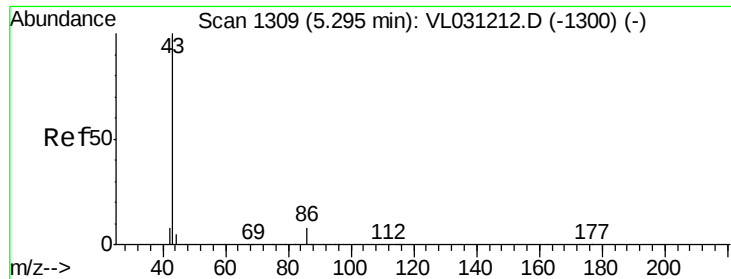
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12/15/2017 4:07:01 PM



#22
trans-1,2-Dichloroethene
Concen: 8.39 ppbv
RT: 5.10 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.6	135.0	202.4
98	62.9	50.5	75.7





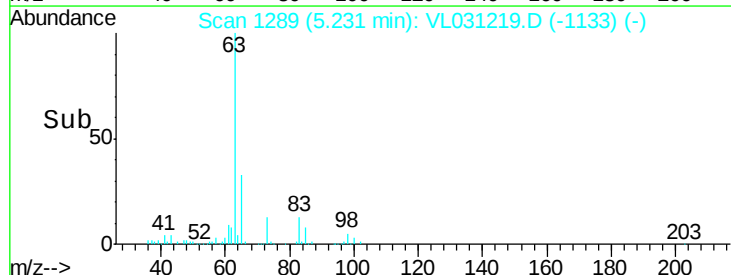
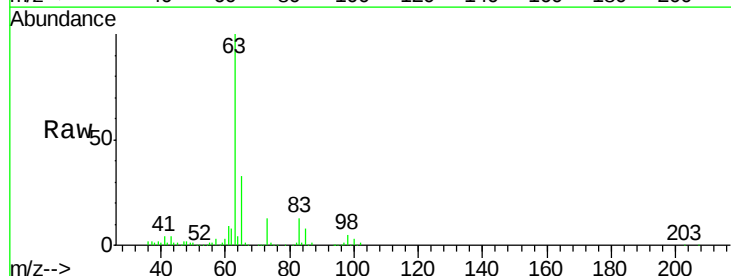
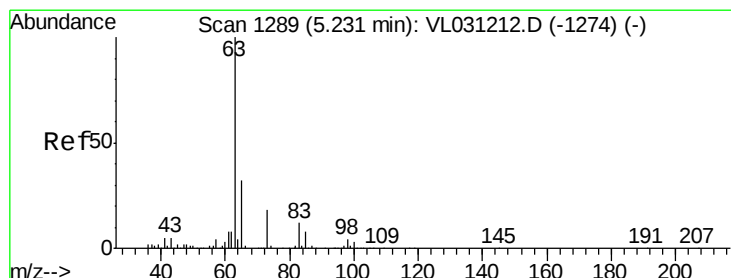
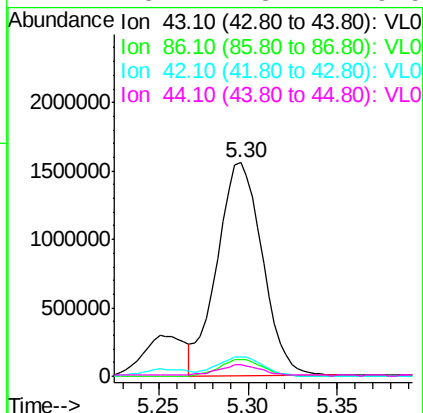
#23
 Vinyl Acetate
 Concen: 7.81 ppbv
 RT: 5.30 min Scan# 1309
 Delta R.T. 0.00 min
 Lab File: VL031219.D
 Acq: 14 Dec 2017 3:31

Tot Ion: 43 Resp: 2730645
 Ion Ratio Lower Upper
 43 100
 86 8.0 5.9 8.9
 42 9.1 7.3 10.9
 44 5.1 3.7 5.5

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL121317

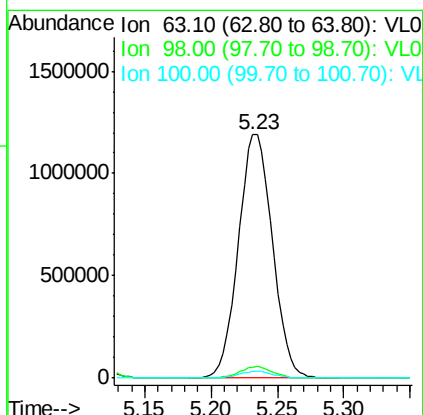
Manual Integrations
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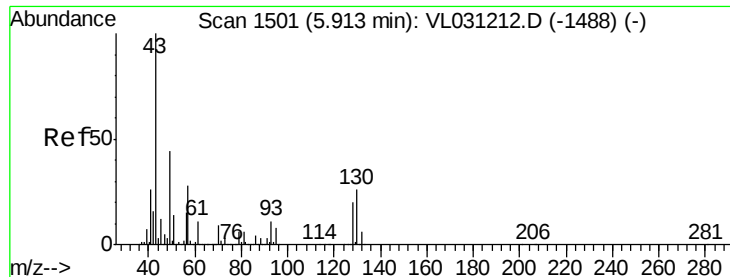
MMDadoda
 12/15/2017 4:07:01 PM



#24
 1,1-Dichloroethane
 Concen: 8.37 ppbv
 RT: 5.23 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VL031219.D
 Acq: 14 Dec 2017 3:31

Tgt Ion: 63 Resp: 2125229
 Ion Ratio Lower Upper
 63 100
 98 4.6 2.3 6.8
 100 2.6 1.4 4.2





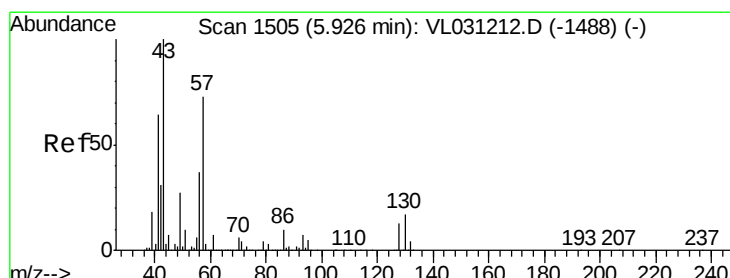
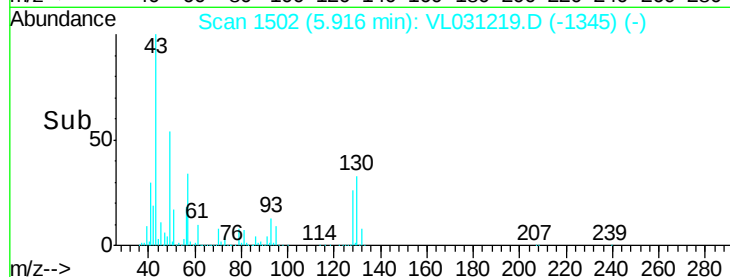
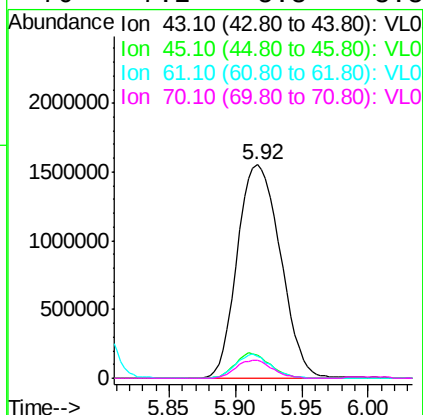
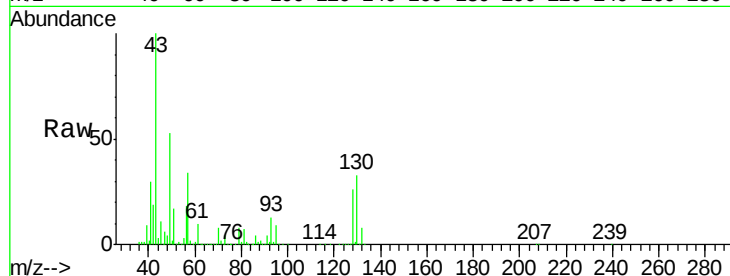
#25
Ethyl Acetate
Concen: 7.94 ppbv
RT: 5.92 min Scan# 1502
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
ICVVL121317

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.0	12.0
61	8.9	7.4	11.0
70	7.2	5.8	8.8

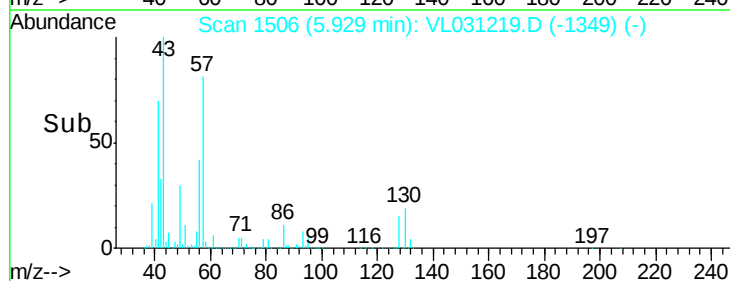
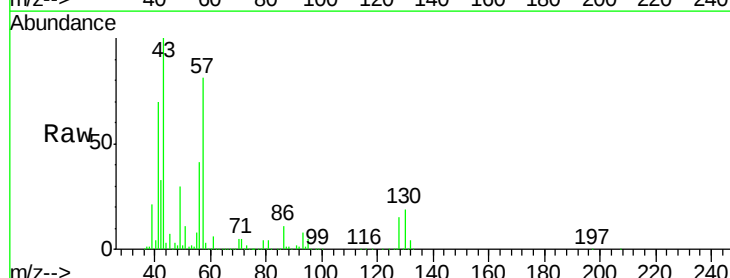
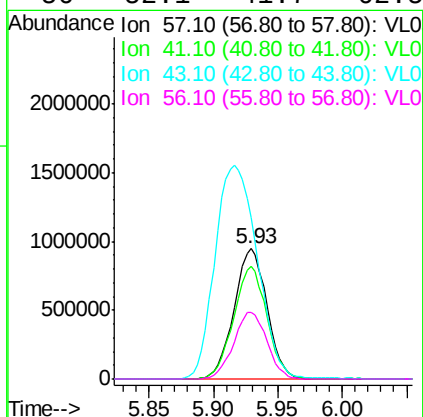
Manual Integrations
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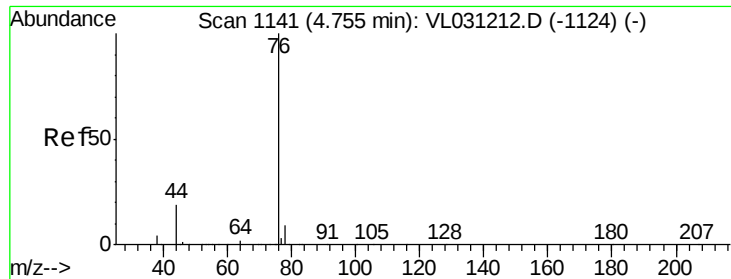
MMDadoda
12/15/2017 4:07:01 PM



#26
Hexane
Concen: 7.97 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion	Ratio	Lower	Upper
57	100		
41	87.9	70.3	105.5
43	211.3	173.8	260.8
56	52.1	41.7	62.5





#27

Carbon Disulfide

Concen: 8.58 ppbv

RT: 4.76 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VL031219.D

Acq: 14 Dec 2017 3:31

Instrument :

MSVOA_L

ClientSampleId :

ICVVL121317

Tot Ion: 76 Resp: 1807667

Ion Ratio Lower Upper

76 100

44 19.5 16.0 24.0

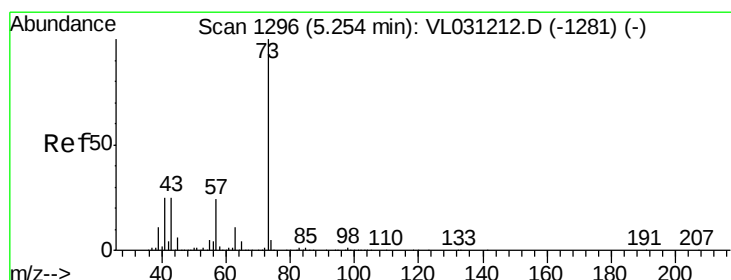
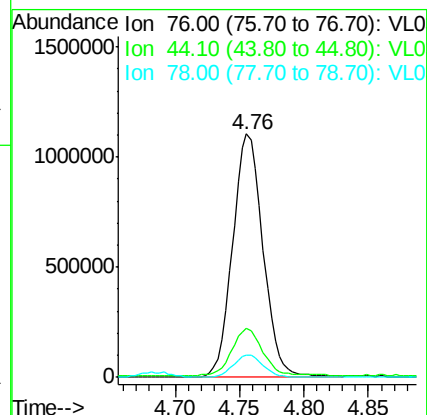
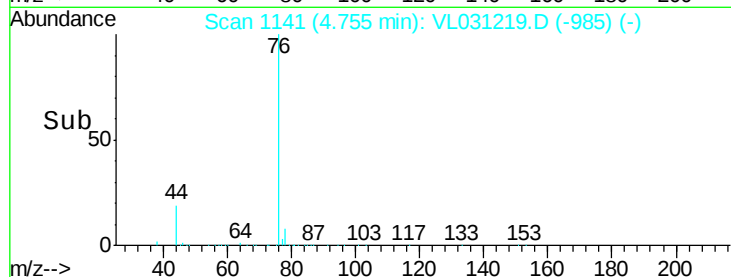
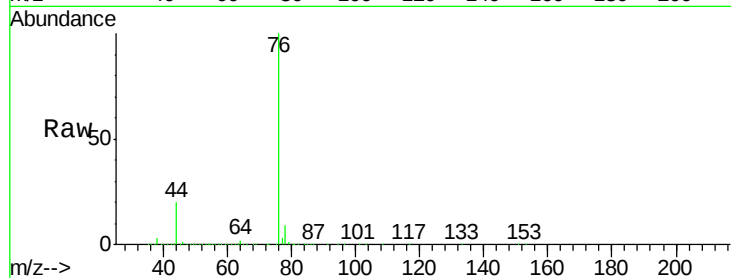
78 9.1 7.5 11.3

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#28

Methyl tert-Butyl Ether

Concen: 8.15 ppbv

RT: 5.25 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VL031219.D

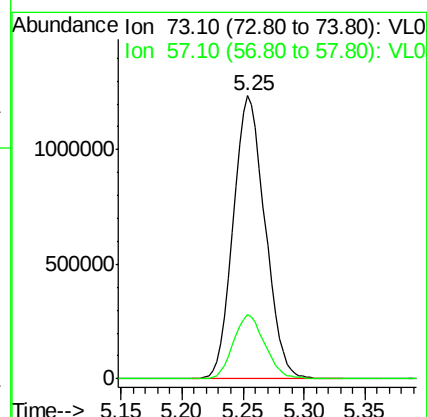
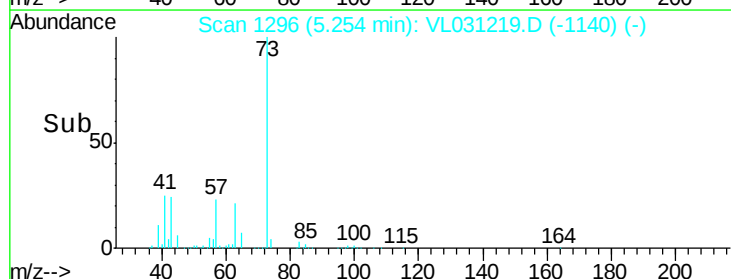
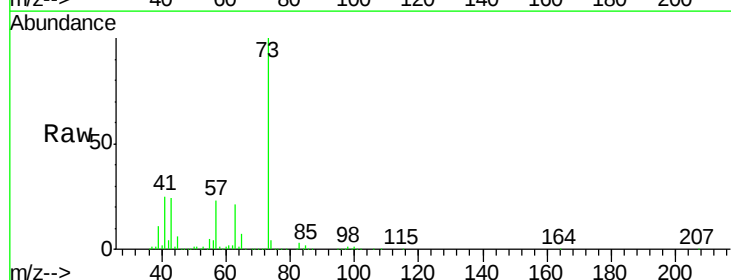
Acq: 14 Dec 2017 3:31

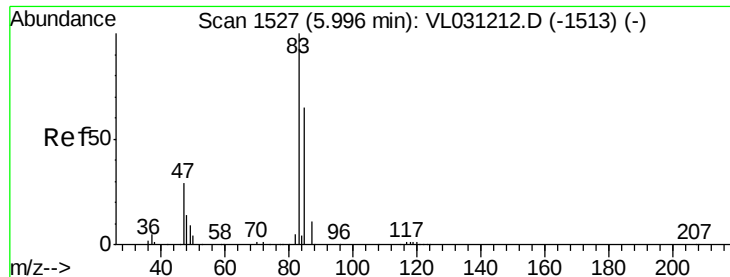
Tgt Ion: 73 Resp: 2242168

Ion Ratio Lower Upper

73 100

57 22.7 18.5 27.7





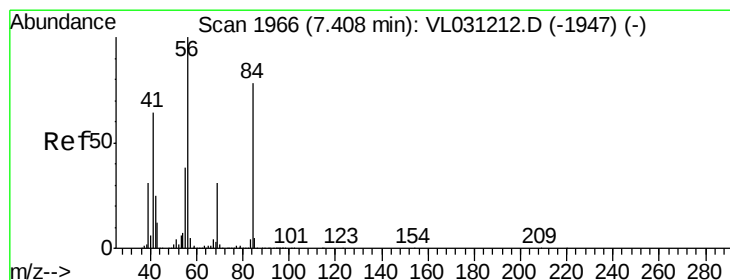
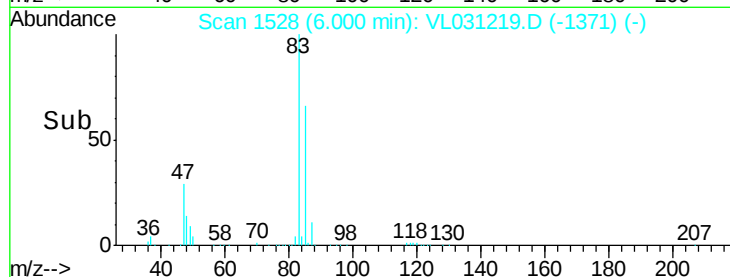
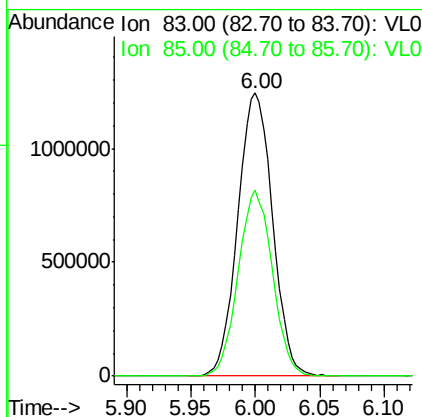
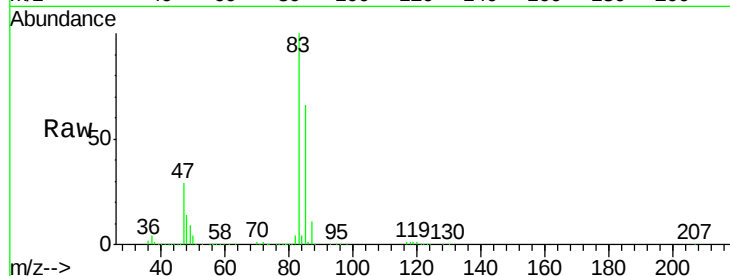
#29
Chloroform
Concen: 8.23 ppbv
RT: 6.00 min Scan# 1528
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
ICVVL121317

Tot Ion: 83 Resp: 2338590
Ion Ratio Lower Upper
83 100
85 65.6 51.8 77.6

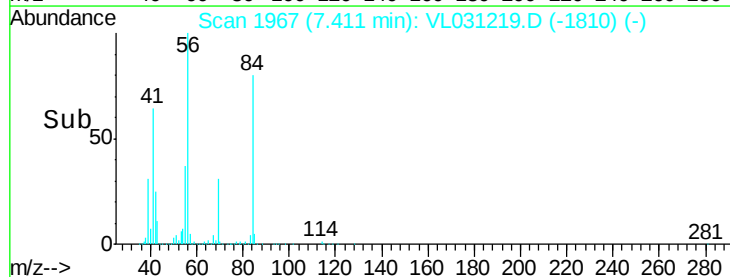
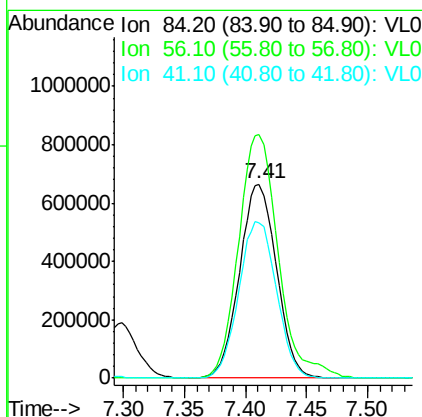
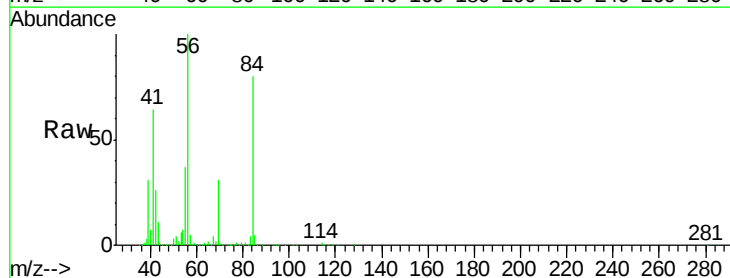
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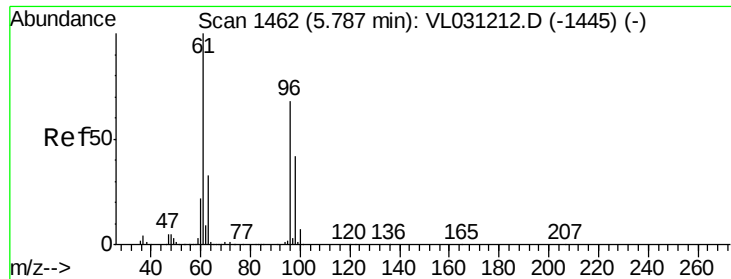
MMDadoda
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#30
Cyclohexane
Concen: 7.49 ppbv
RT: 7.41 min Scan# 1967
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 84 Resp: 1388566
Ion Ratio Lower Upper
84 100
56 135.6 108.0 162.0
41 82.2 66.2 99.4





#31

cis-1,2-Dichloroethene

Concen: 8.07 ppbv

RT: 5.79 min Scan# 1462

Delta R.T. 0.00 min

Lab File: VL031219.D

Acq: 14 Dec 2017 3:31

Instrument :

MSVOA_L

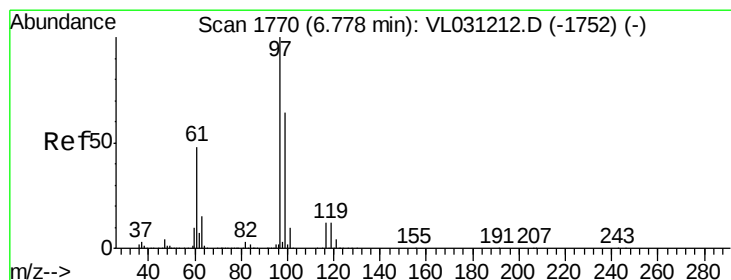
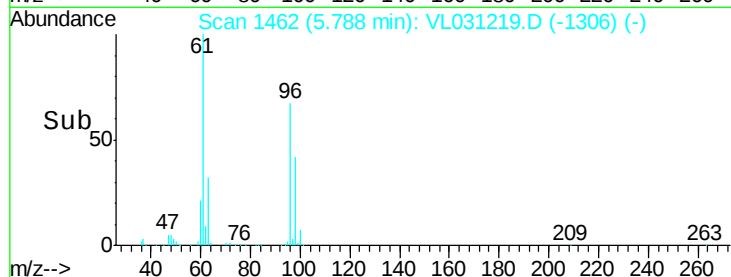
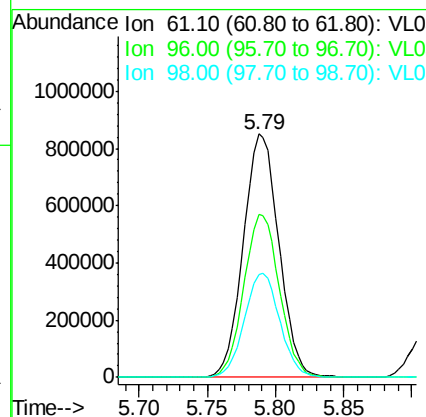
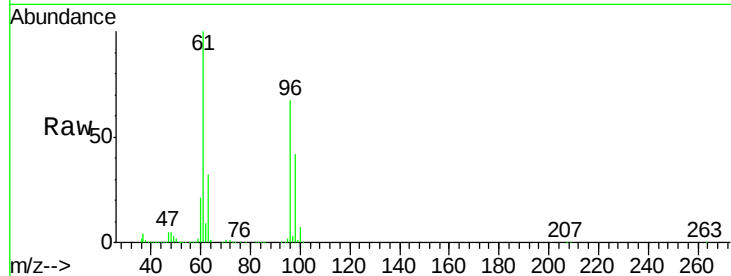
ClientSampleId :

ICVVL121317

Tot Ion:	61	Resp:	1539801
Ion	Ratio	Lower	Upper
61	100		
96	67.0	54.4	81.6
98	42.4	33.6	50.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 7.83 ppbv

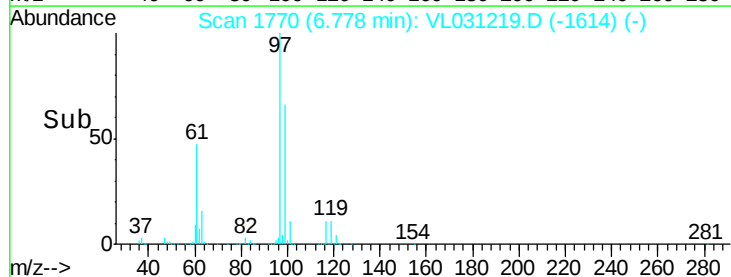
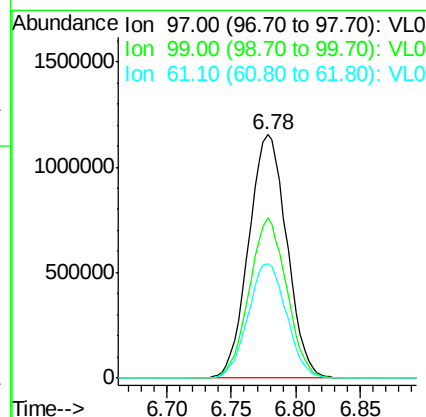
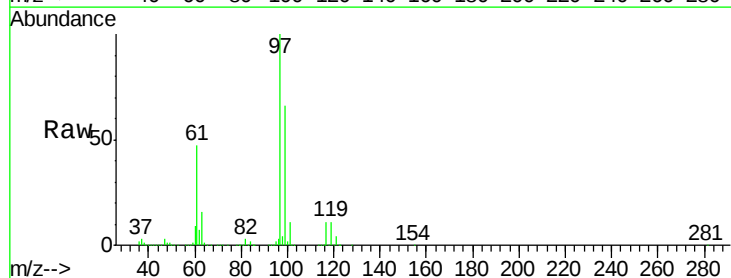
RT: 6.78 min Scan# 1770

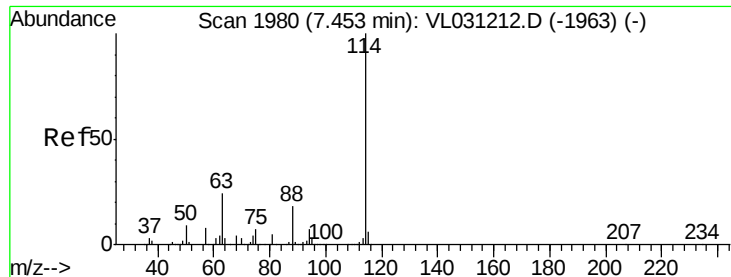
Delta R.T. 0.00 min

Lab File: VL031219.D

Acq: 14 Dec 2017 3:31

Tgt Ion:	97	Resp:	2378809
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.0
61	47.4	38.4	57.6





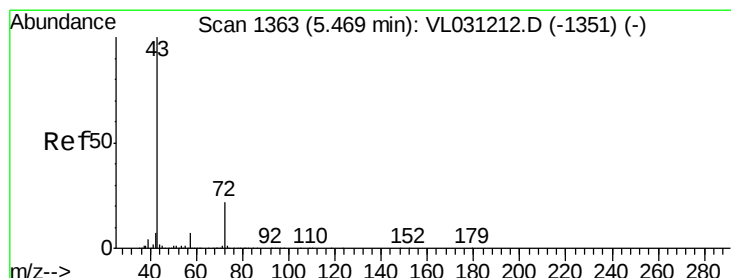
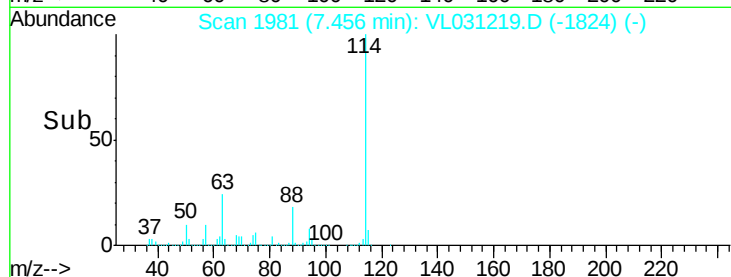
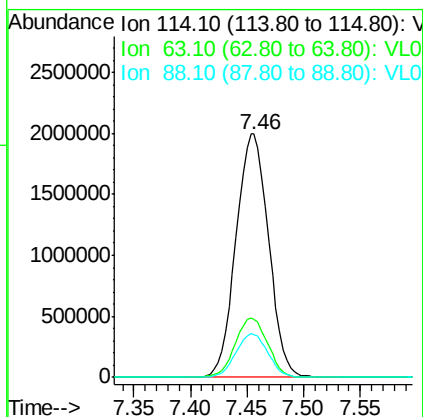
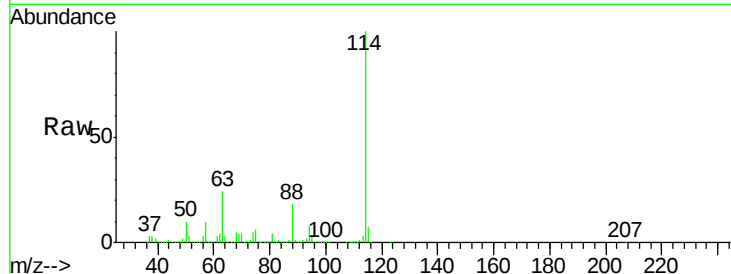
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VL031219.D
 Acq: 14 Dec 2017 3:31

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL121317

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.8	29.8
88	17.6	14.2	21.4

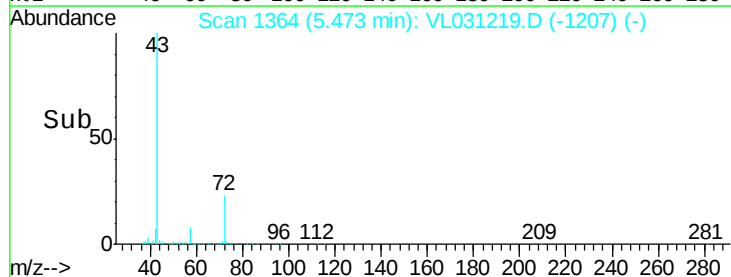
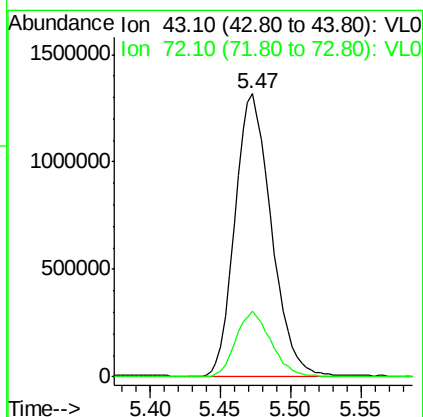
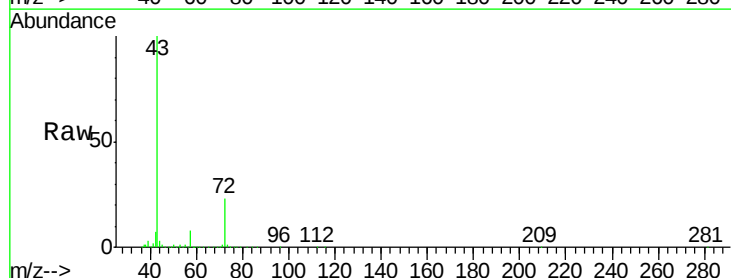
Manual Integrations
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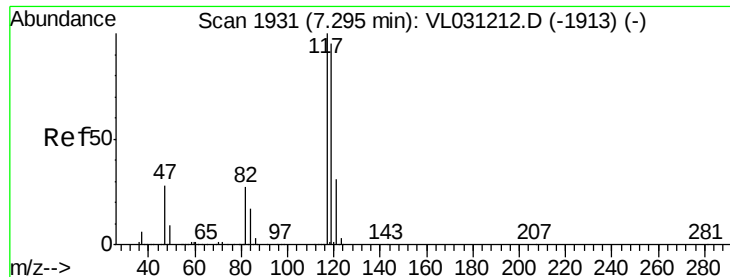
MMDadoda
 12/15/2017 4:07:01 PM



#34
 2-Butanone
 Concen: 8.39 ppbv
 RT: 5.47 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VL031219.D
 Acq: 14 Dec 2017 3:31

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.1	27.1





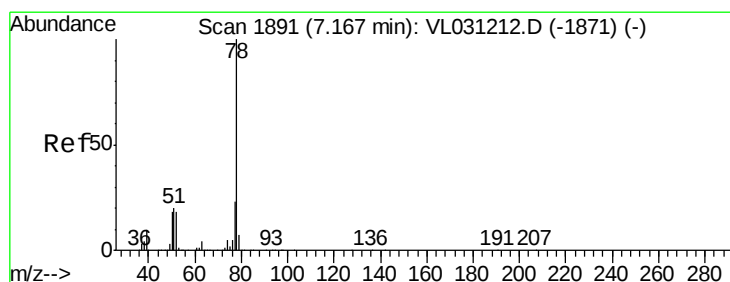
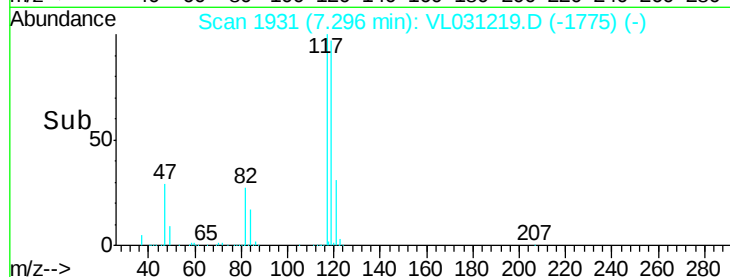
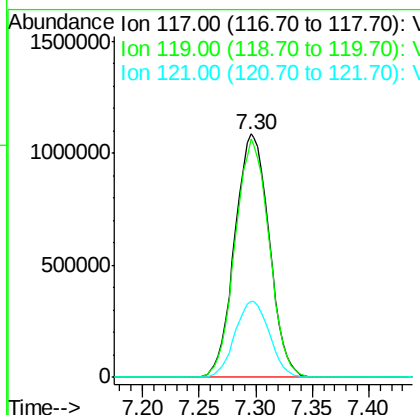
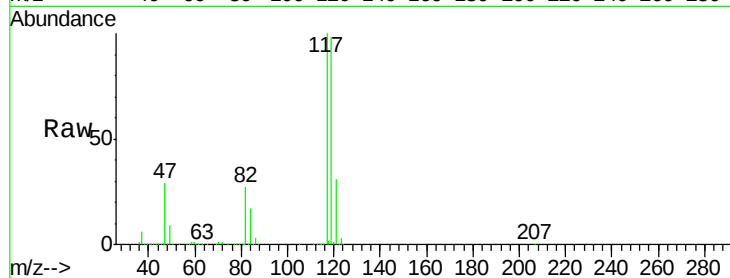
#35
Carbon Tetrachloride
Concen: 8.03 ppbv
RT: 7.30 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
ICVVL121317

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.9	75.9	113.9
121	31.4	24.6	37.0

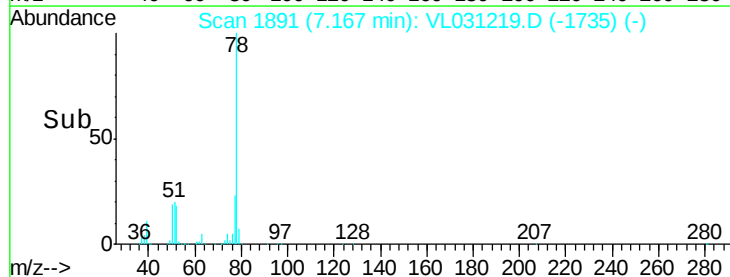
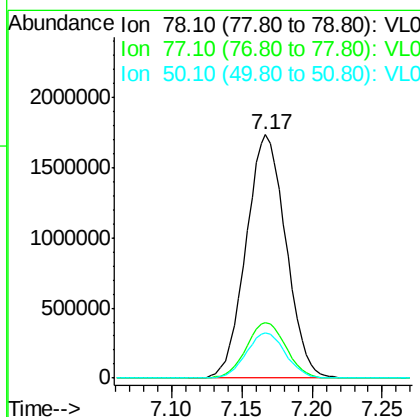
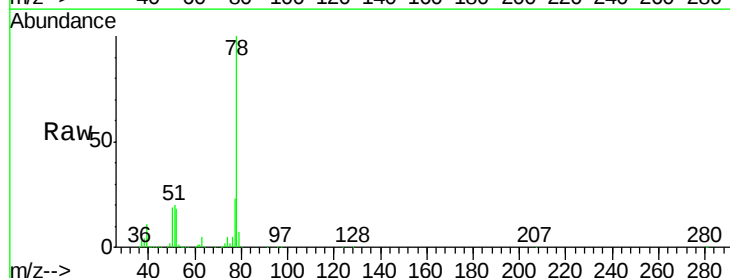
Manual Integrations
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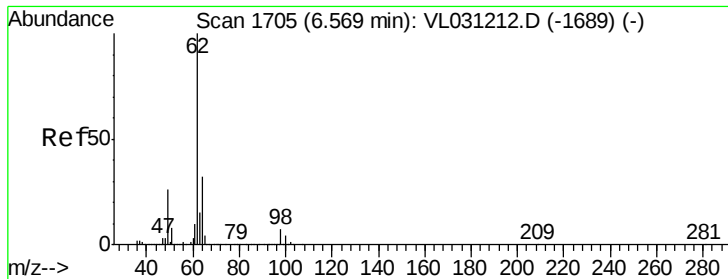
MMDadoda
12/15/2017 4:07:01 PM



#36
Benzene
Concen: 8.07 ppbv
RT: 7.17 min Scan# 1891
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.1	27.1
50	18.8	14.6	21.8





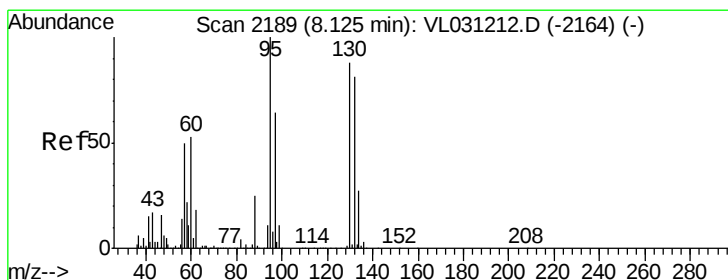
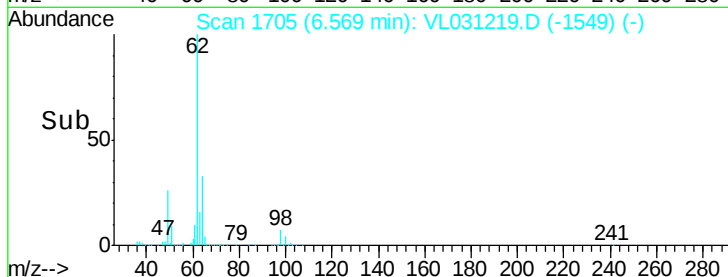
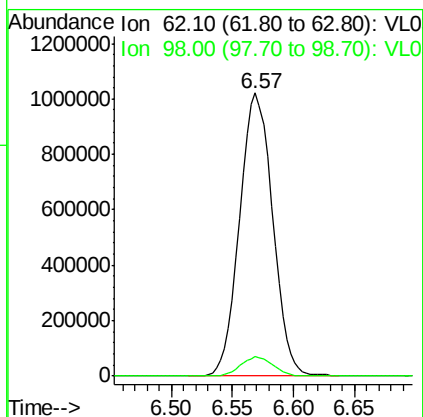
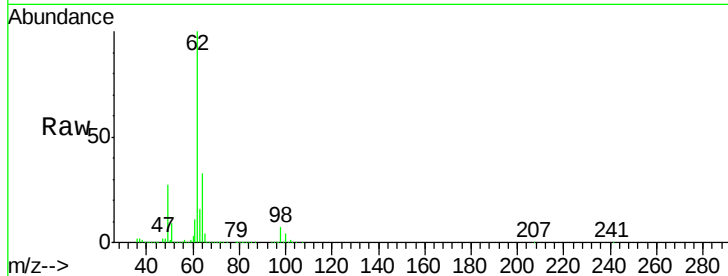
#37
 1,2-Dichloroethane
 Concen: 8.17 ppbv
 RT: 6.57 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VL031219.D
 Acq: 14 Dec 2017 3:31

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL121317

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.8	5.4	8.2

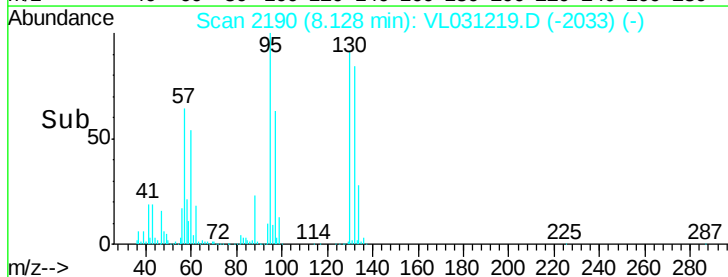
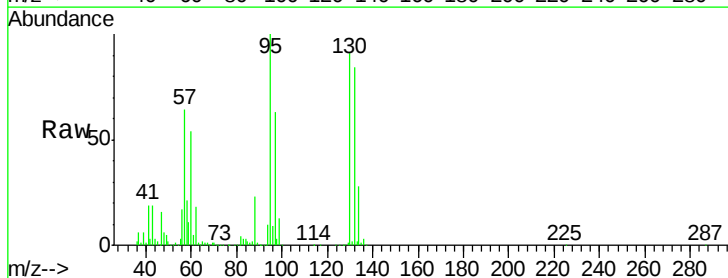
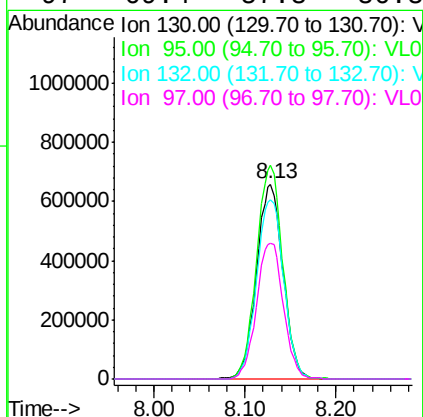
Manual Integrations
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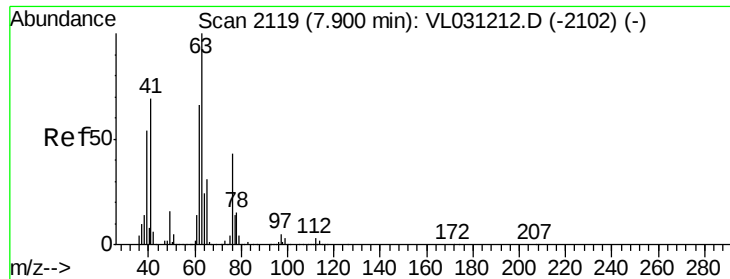
MMDadoda
 12/15/2017 4:07:01 PM



#38
 Trichloroethene
 Concen: 8.01 ppbv
 RT: 8.13 min Scan# 2190
 Delta R.T. 0.00 min
 Lab File: VL031219.D
 Acq: 14 Dec 2017 3:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.4	90.6	135.8
132	92.0	73.5	110.3
97	69.4	57.8	86.8





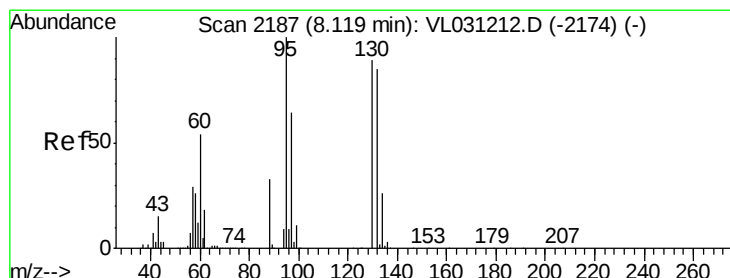
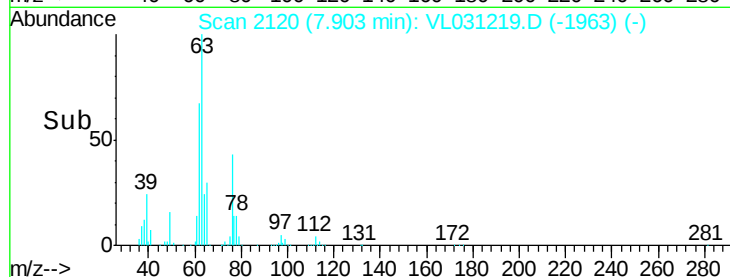
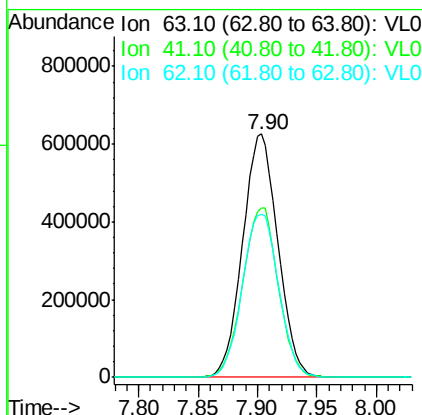
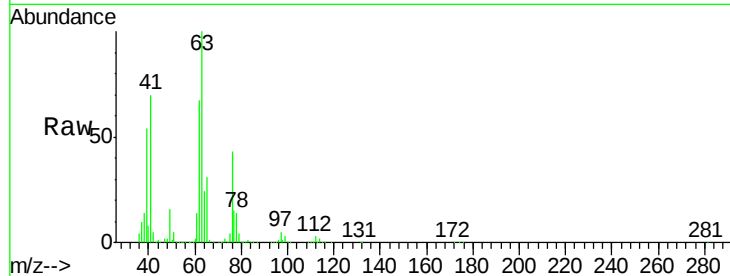
#39
 1,2-Dichloropropane
 Concen: 8.56 ppbv
 RT: 7.90 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VL031219.D
 Acq: 14 Dec 2017 3:31

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL121317

Tot Ion	Ratio	Lower	Upper
63	100		
41	69.7	55.2	82.8
62	67.0	53.0	79.4

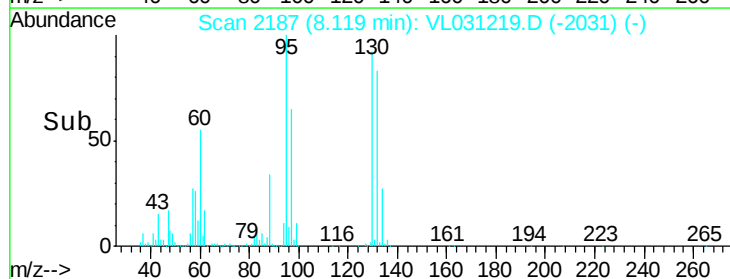
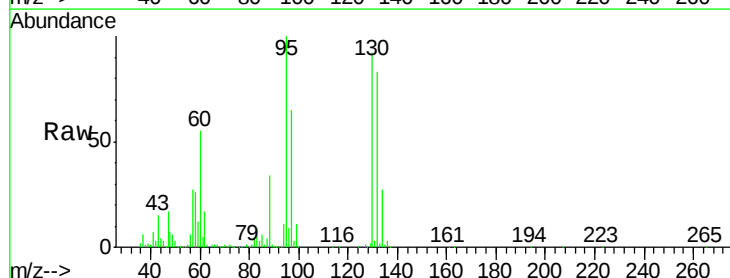
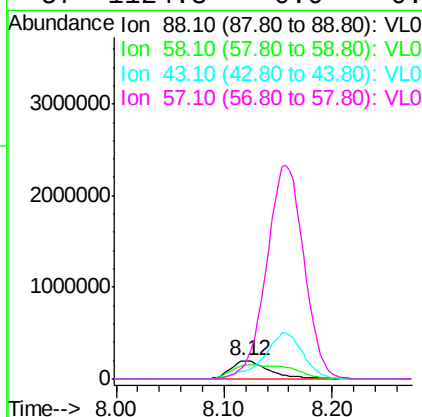
Manual Integrations
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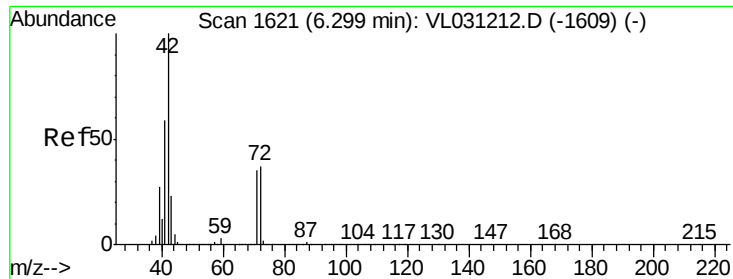
MMDadoda
 12/15/2017 4:07:01 PM



#40
 1,4-Dioxane
 Concen: 9.22 ppbv
 RT: 8.12 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VL031219.D
 Acq: 14 Dec 2017 3:31

Tgt Ion	Ratio	Lower	Upper
88	100		
58	125.6	104.3	156.5
43	255.7	0.0	0.0#
57	1124.3	0.0	0.0#





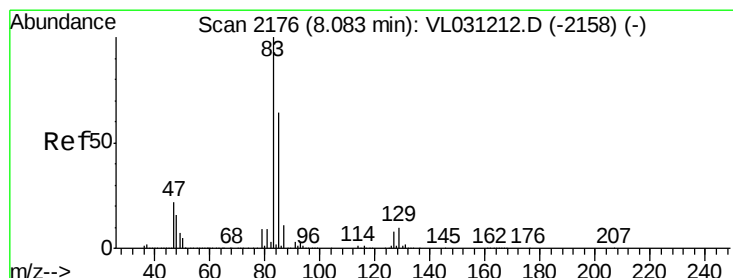
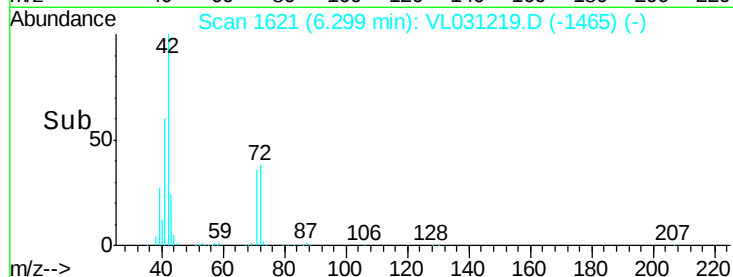
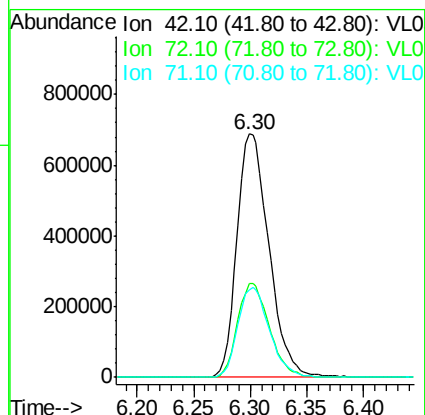
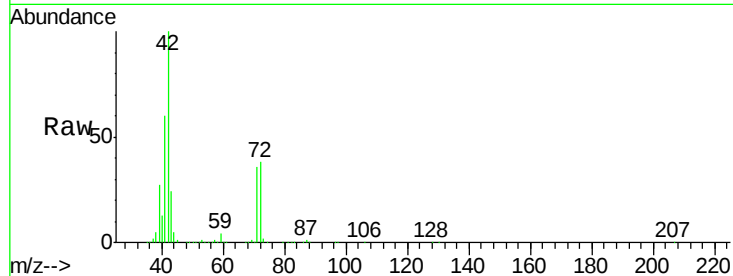
#41
Tetrahydrofuran
Concen: 8.52 ppbv
RT: 6.30 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
ICVVL121317

Tot Ion: 42 Resp: 1355502
Ion Ratio Lower Upper
42 100
72 38.6 30.2 45.4
71 36.8 29.0 43.6

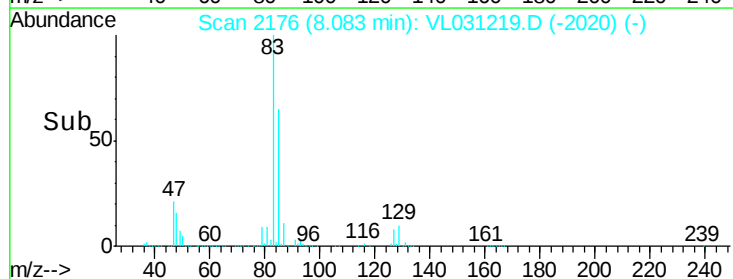
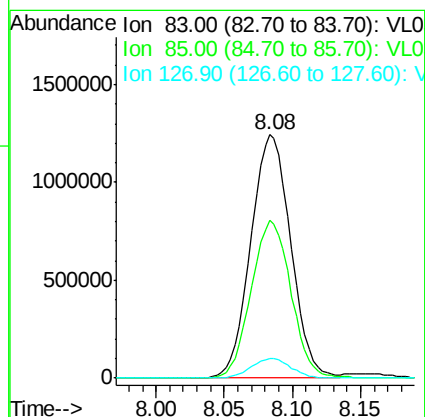
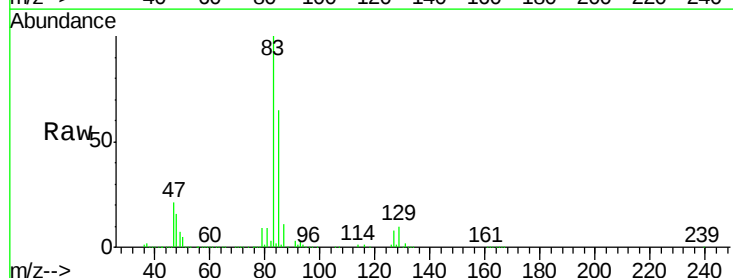
Manual Integrations
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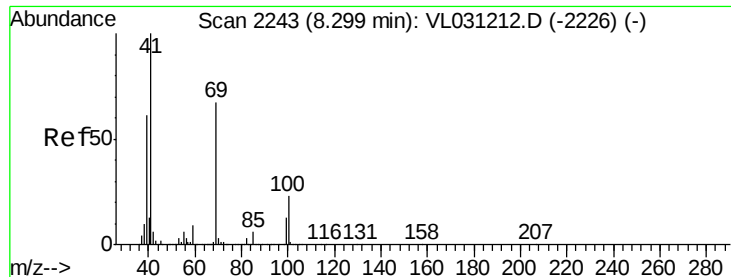
MMDadoda
12/15/2017 4:07:01 PM



#42
Bromodichloromethane
Concen: 9.17 ppbv
RT: 8.08 min Scan# 2176
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 83 Resp: 2531722
Ion Ratio Lower Upper
83 100
85 64.8 51.5 77.3
127 7.8 6.5 9.7





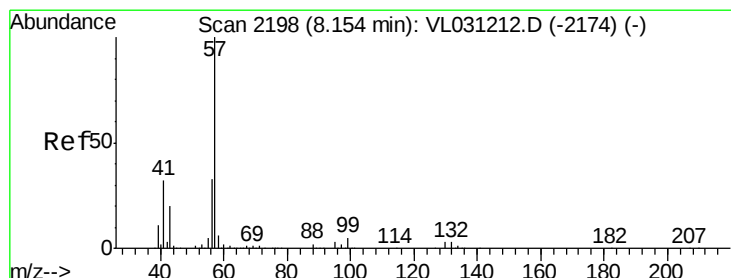
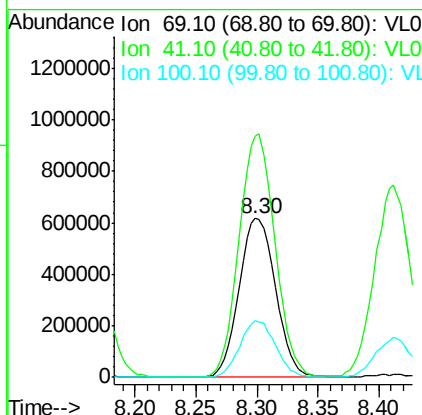
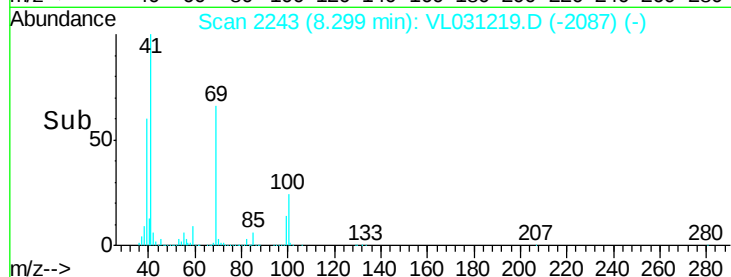
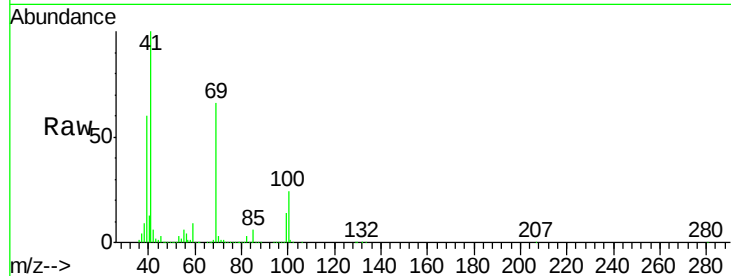
#43
Methvl Methacrvlate
Concen: 9.00 ppbv
RT: 8.30 min Scan# 2243
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
ICVVL121317

Tot Ion: 69 Resp: 1280922
Ion Ratio Lower Upper
69 100
41 149.8 121.1 181.7
100 34.8 27.4 41.2

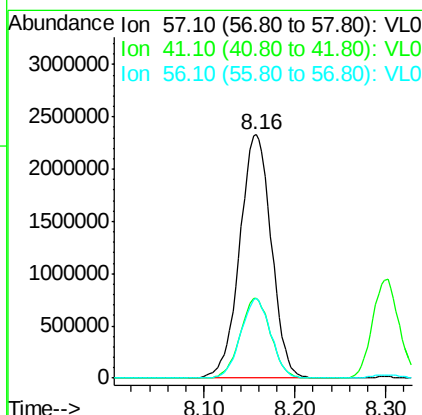
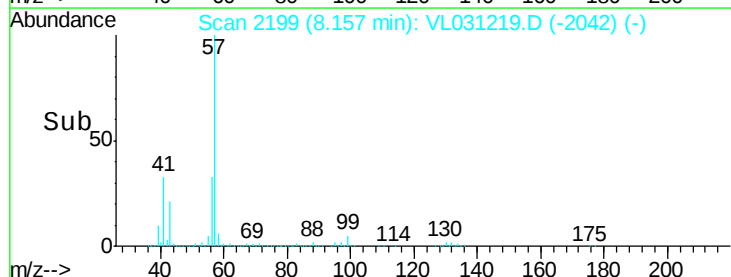
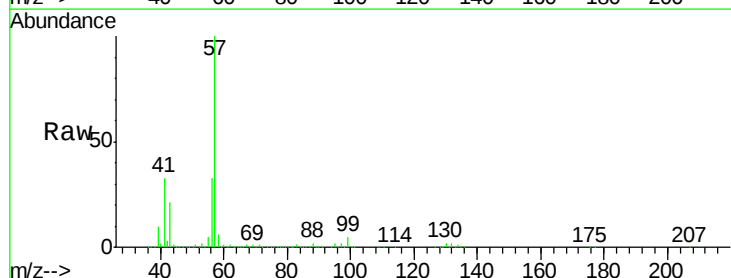
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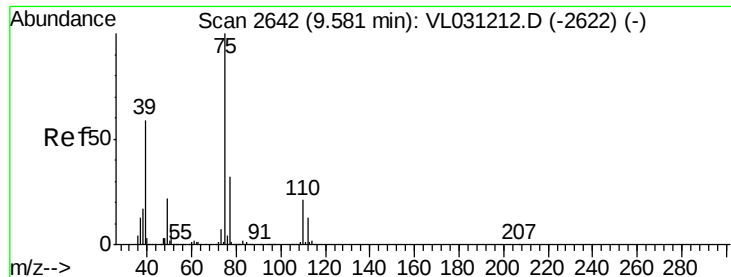
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 8.75 ppbv
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 57 Resp: 5612538
Ion Ratio Lower Upper
57 100
41 31.6 25.5 38.3
56 31.1 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 8.94 ppbv

RT: 9.58 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VL031219.D

Acq: 14 Dec 2017 3:31

Instrument :

MSVOA_L

ClientSampleId :

ICVVL121317

Tot Ion: 75 Resp: 1739079

Ion Ratio Lower Upper

75 100

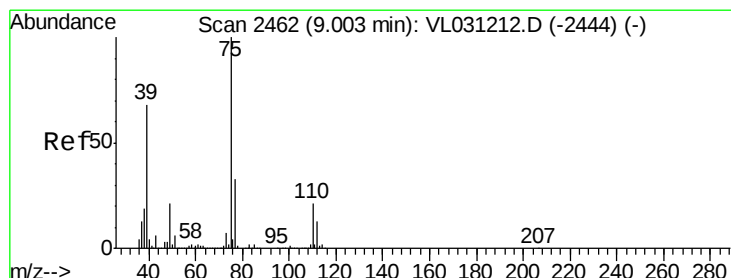
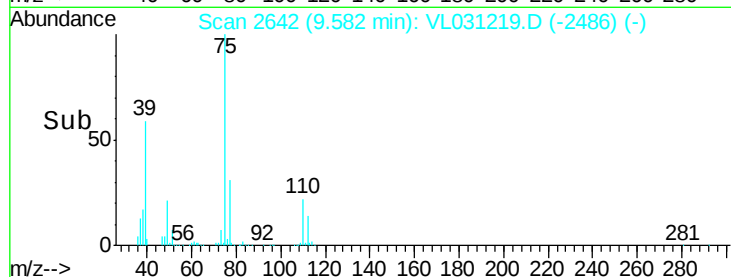
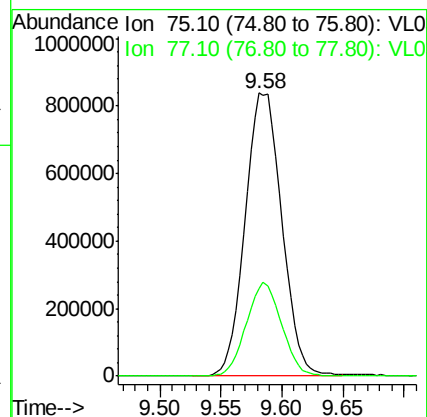
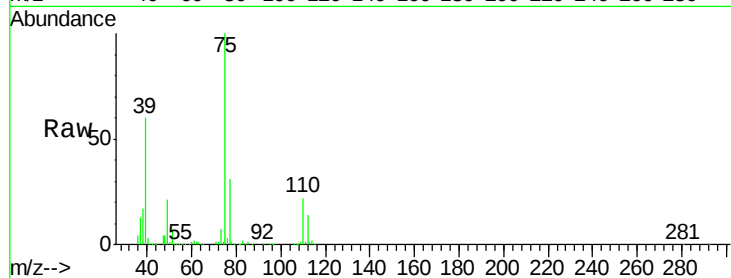
77 31.2 25.4 38.2

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#46

cis-1,3-Dichloropropene

Concen: 8.85 ppbv

RT: 9.00 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VL031219.D

Acq: 14 Dec 2017 3:31

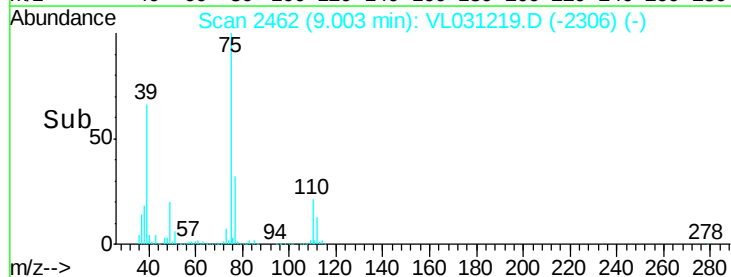
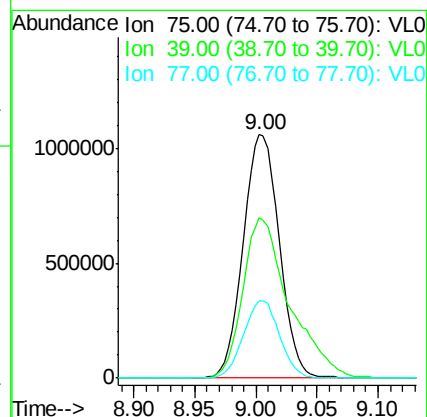
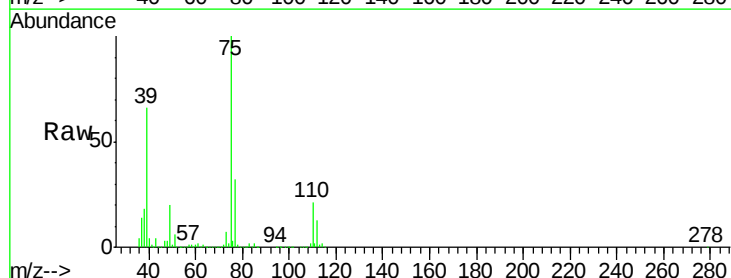
Tgt Ion: 75 Resp: 2165796

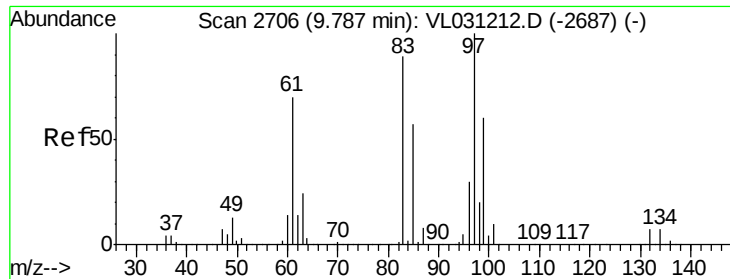
Ion Ratio Lower Upper

75 100

39 66.0 54.2 81.4

77 32.0 26.2 39.4





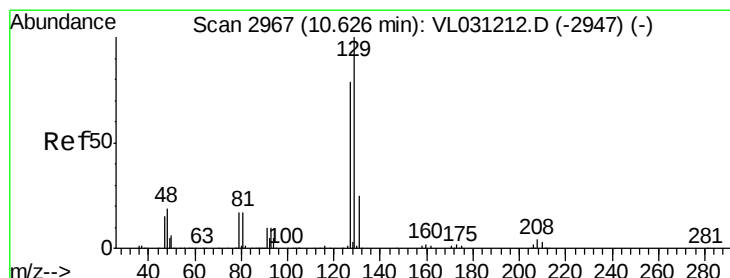
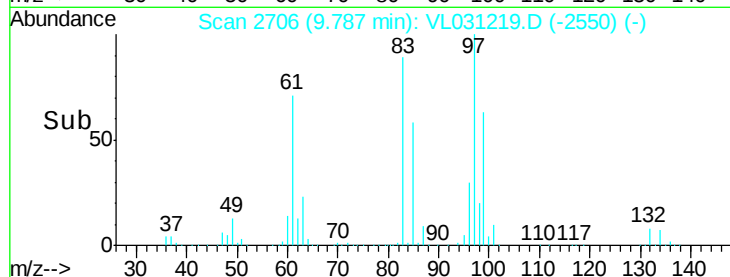
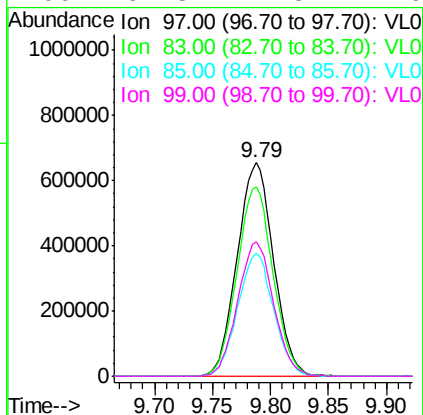
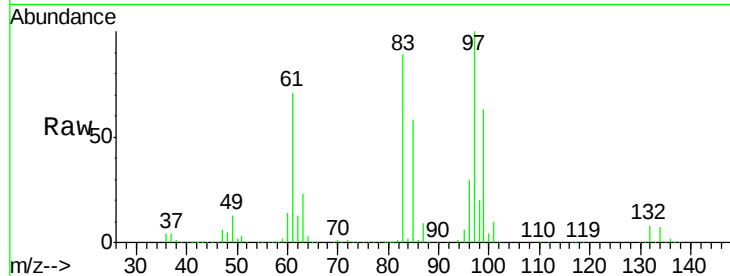
#47
 1,1,2-Trichloroethane
 Concen: 9.17 ppbv
 RT: 9.79 min Scan# 2706
 Delta R.T. 0.00 min
 Lab File: VL031219.D
 Acq: 14 Dec 2017 3:31

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL121317

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	88.6	71.0	106.4	
85	57.5	45.3	67.9	
99	62.8	47.8	71.6	

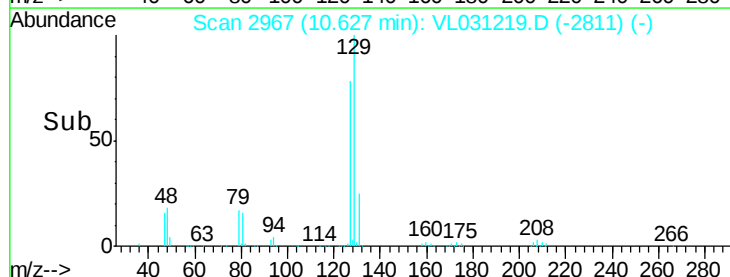
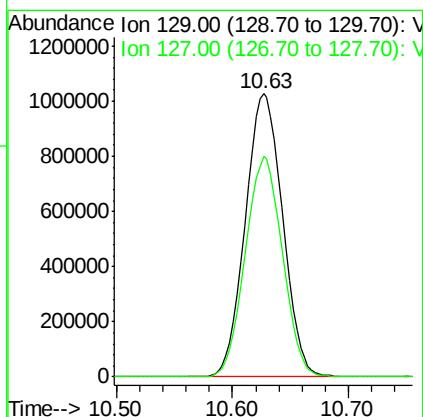
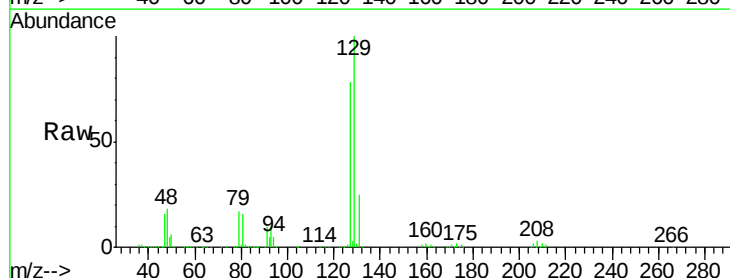
Manual Integrations
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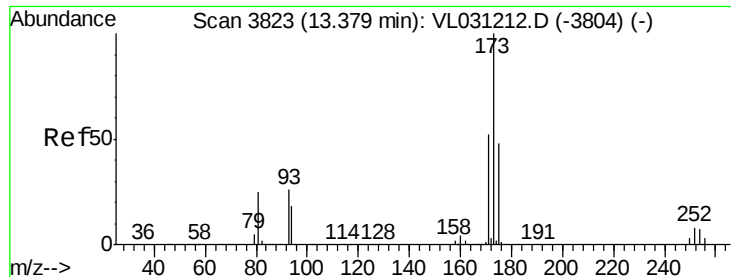
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#48
 Dibromochloromethane
 Concen: 9.46 ppbv
 RT: 10.63 min Scan# 2967
 Delta R.T. 0.00 min
 Lab File: VL031219.D
 Acq: 14 Dec 2017 3:31

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.6	39.1	117.5	





#49

Bromoform

Concen: 9.53 ppbv

RT: 13.38 min Scan# 3824

Delta R.T. 0.00 min

Lab File: VL031219.D

Acq: 14 Dec 2017 3:31

Instrument :

MSVOA_L

ClientSampleId :

ICVVL121317

Tot Ion:173 Resp: 1711246

Ion Ratio Lower Upper

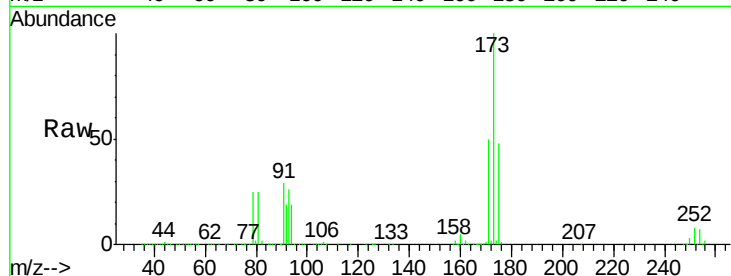
173 100

175 48.4 39.0 58.4

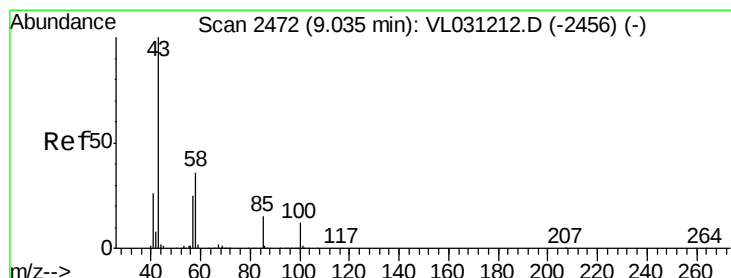
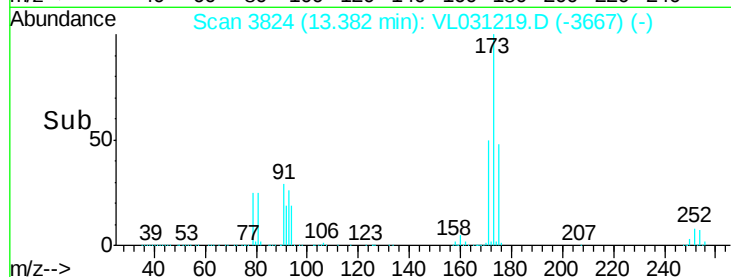
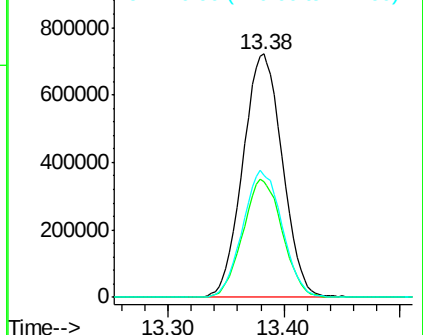
171 52.1 41.8 62.8

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



#50

4-Methyl-2-Pentanone

Concen: 8.72 ppbv

RT: 9.04 min Scan# 2473

Delta R.T. 0.00 min

Lab File: VL031219.D

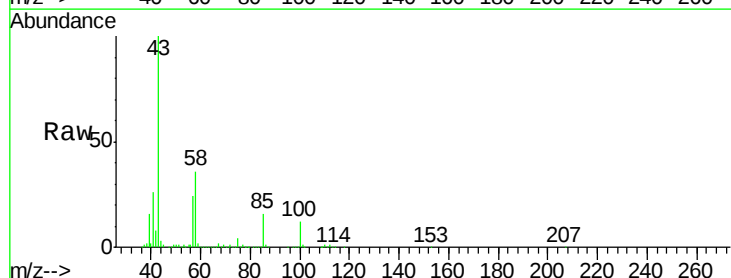
Acq: 14 Dec 2017 3:31

Tgt Ion: 43 Resp: 3019269

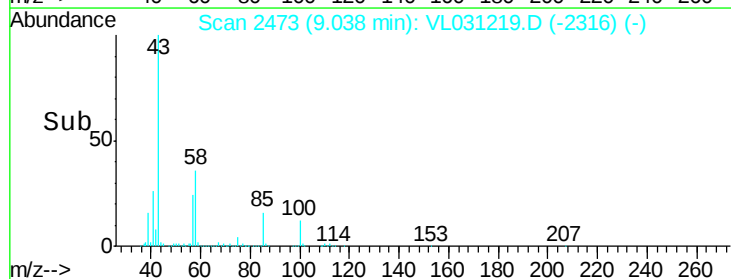
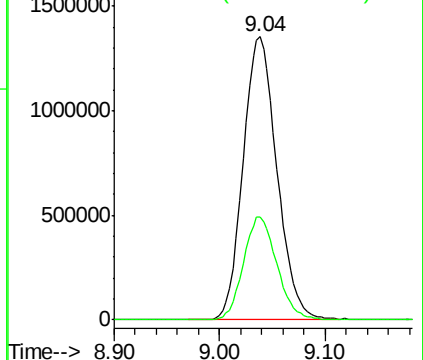
Ion Ratio Lower Upper

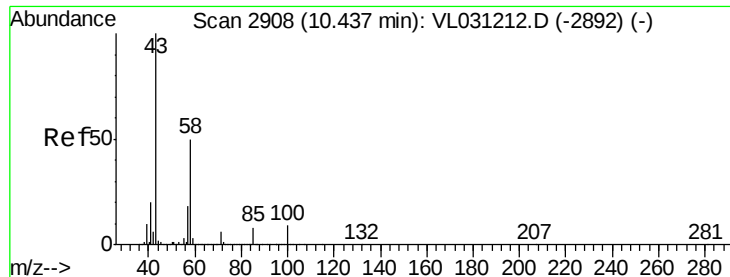
43 100

58 36.0 28.8 43.2



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





#51

2-Hexanone

Concen: 8.59 ppbv

RT: 10.44 min Scan# 2909

Delta R.T. 0.00 min

Lab File: VL031219.D

Acq: 14 Dec 2017 3:31

Instrument :

MSVOA_L

ClientSampleId :

ICVVL121317

Tot Ion: 43 Resp: 2839357

Ion Ratio Lower Upper

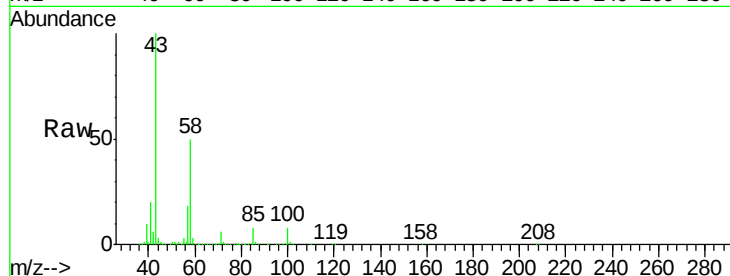
43 100

58 49.5 39.8 59.6

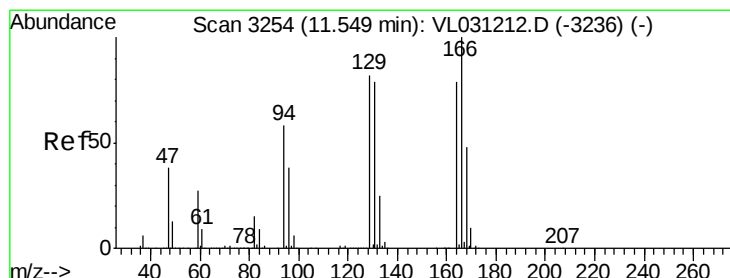
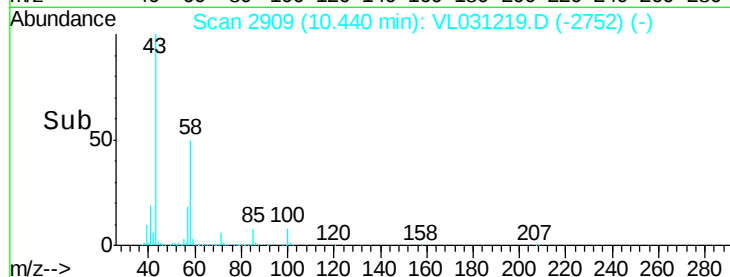
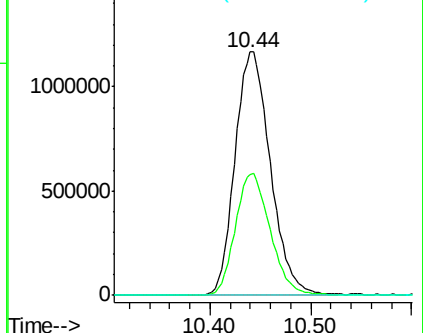
98 0.1 0.0 0.0#

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.05 ppbv

RT: 11.55 min Scan# 3254

Delta R.T. 0.00 min

Lab File: VL031219.D

Acq: 14 Dec 2017 3:31

Tgt Ion: 164 Resp: 1261373

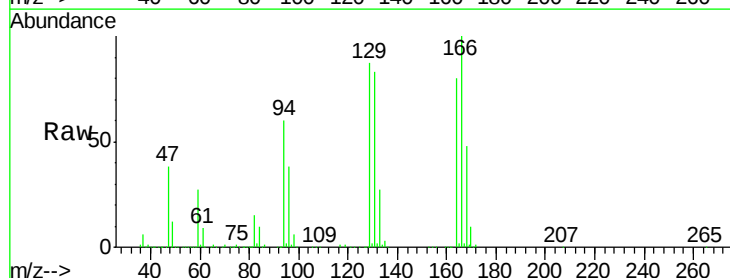
Ion Ratio Lower Upper

164 100

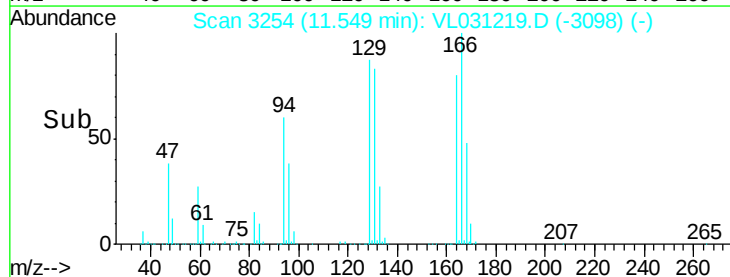
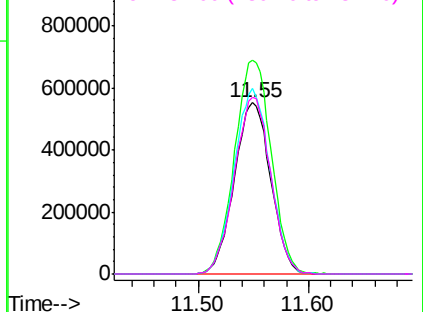
166 124.7 100.6 151.0

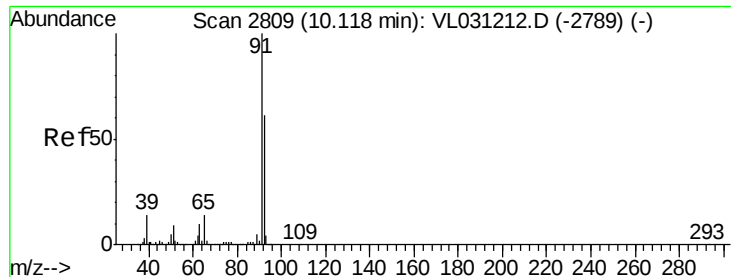
129 108.0 82.9 124.3

131 103.2 79.2 118.8



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.09 ppbv

RT: 10.12 min Scan# 2809

Delta R.T. 0.00 min

Lab File: VL031219.D

Acq: 14 Dec 2017 3:31

Instrument :

MSVOA_L

ClientSampleId :

ICVVL121317

Tot Ion: 91 Resp: 4189756

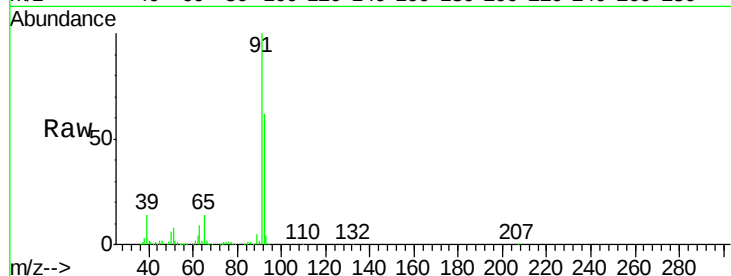
Ion Ratio Lower Upper

91 100

92 61.2 49.1 73.7

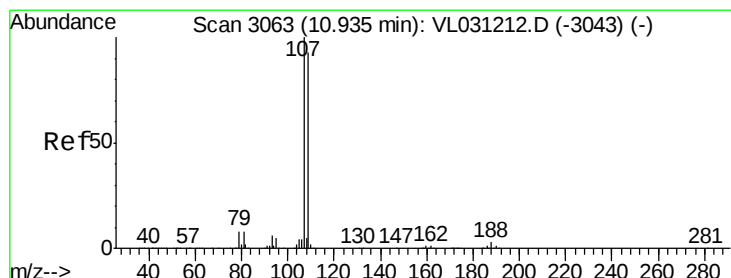
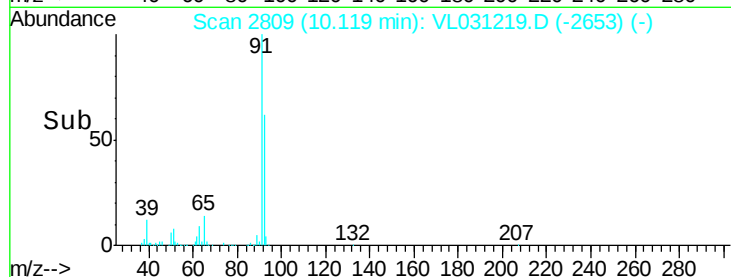
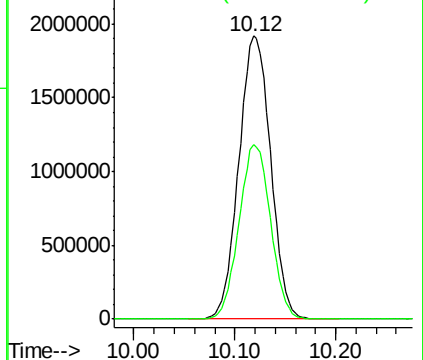
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.11 ppbv

RT: 10.94 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VL031219.D

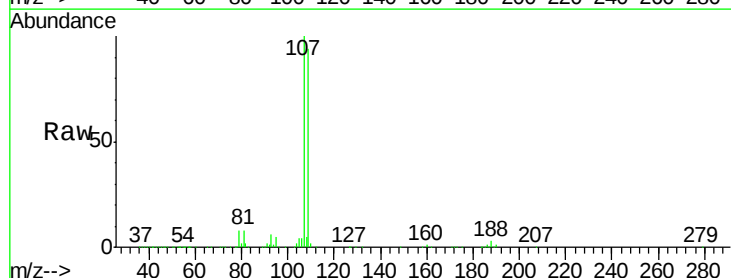
Acq: 14 Dec 2017 3:31

Tgt Ion: 107 Resp: 2150042

Ion Ratio Lower Upper

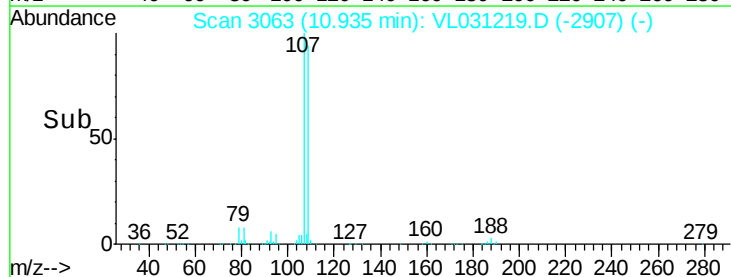
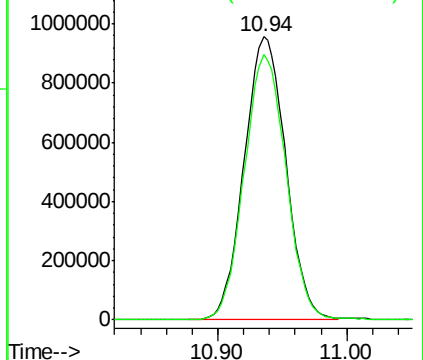
107 100

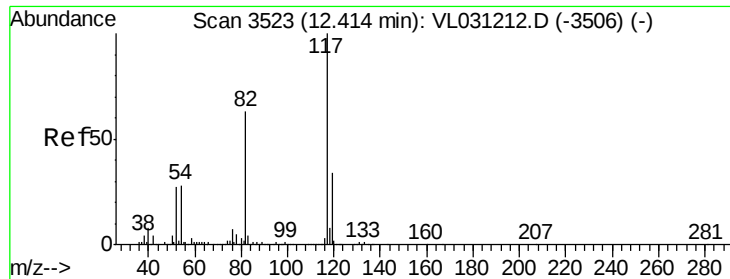
109 93.8 74.7 112.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

Chlorobenzene-d5

Concen: 10.00 ppbv m

RT: 12.42 min Scan# 3524

Delta R.T. 0.00 min

Lab File: VL031219.D

Acq: 14 Dec 2017 3:31

Instrument :

MSVOA_L

ClientSampleId :

ICVVL121317

Tot Ion:117 Resp: 4103317

Ion Ratio Lower Upper

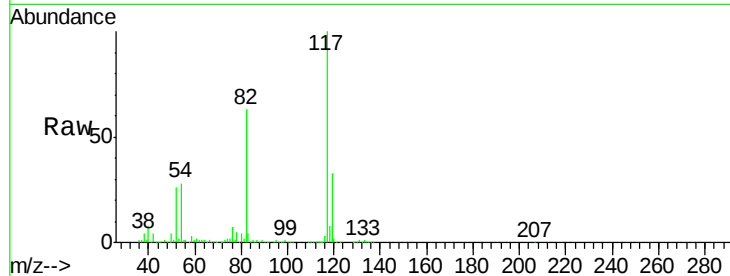
117 100

82 64.0 48.1 72.1

119 56.0 23.1 34.7#

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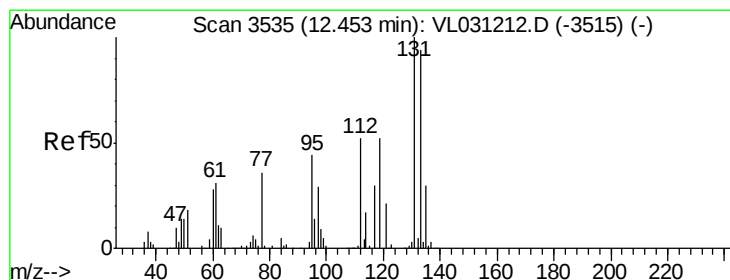
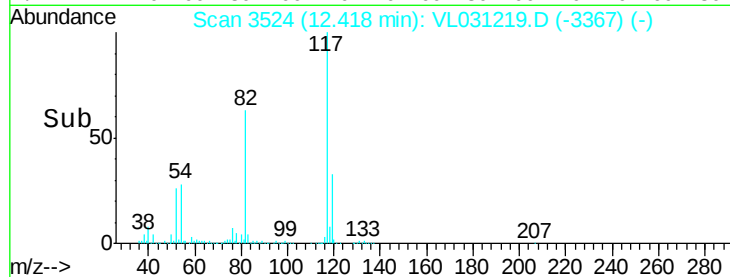
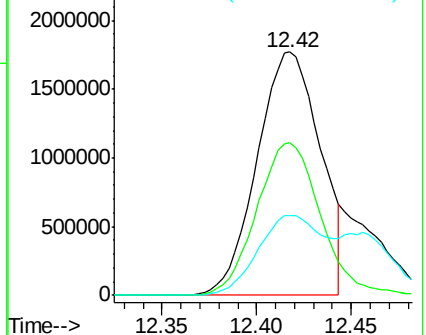
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.42 ppbv

RT: 12.46 min Scan# 3536

Delta R.T. 0.00 min

Lab File: VL031219.D

Acq: 14 Dec 2017 3:31

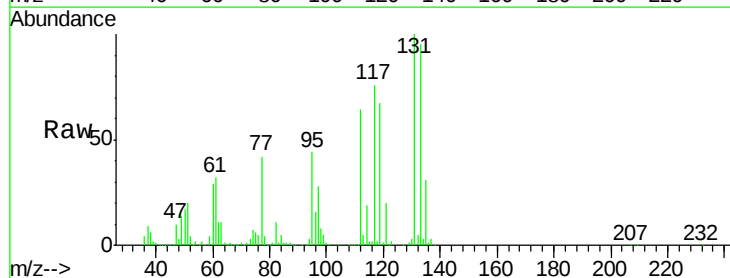
Tgt Ion:131 Resp: 1541506

Ion Ratio Lower Upper

131 100

133 94.8 76.1 114.1

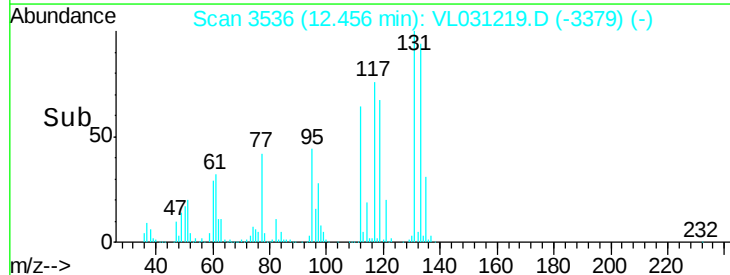
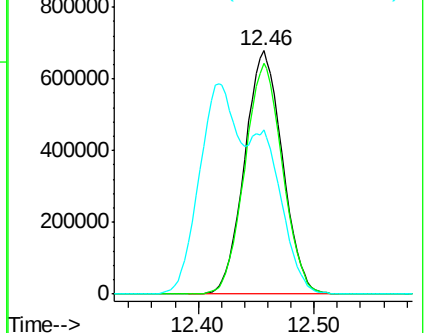
119 148.8 108.5 162.7

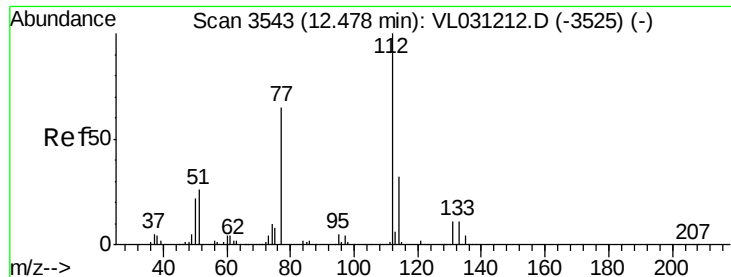


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 8.10 ppbv

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VL031219.D

Acq: 14 Dec 2017 3:31

Instrument :

MSVOA_L

ClientSampleId :

ICVVL121317

Tot Ion:112 Resp: 3097092

Ion Ratio Lower Upper

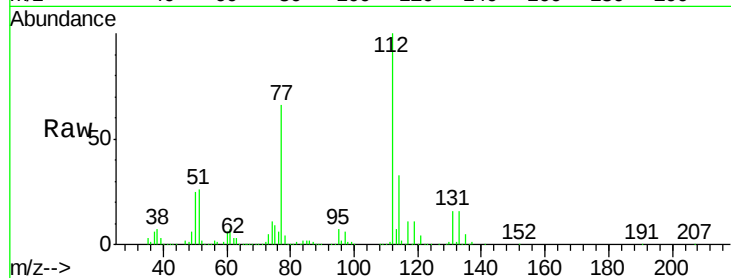
112 100

77 65.3 52.9 79.3

114 32.6 29.1 35.5

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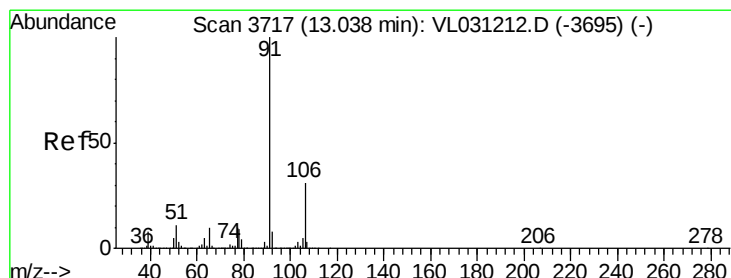
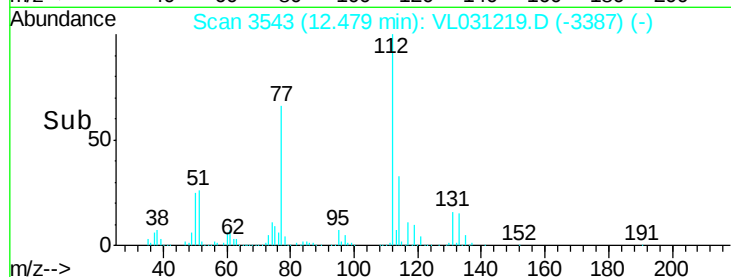
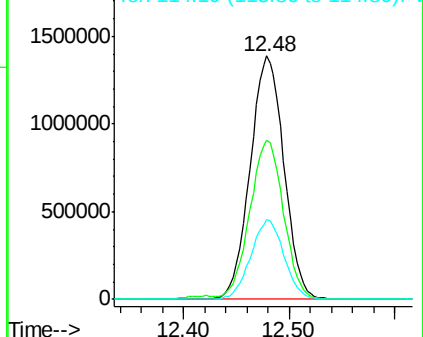
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.27 ppbv

RT: 13.04 min Scan# 3717

Delta R.T. 0.00 min

Lab File: VL031219.D

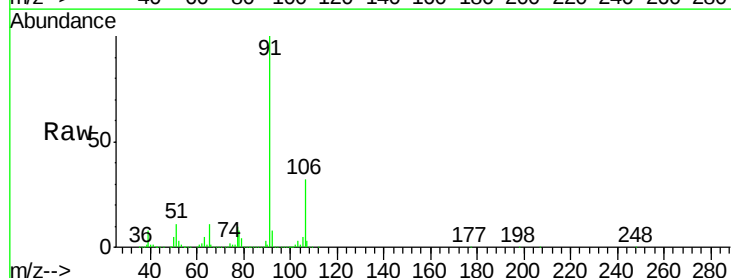
Acq: 14 Dec 2017 3:31

Tgt Ion: 91 Resp: 5605398

Ion Ratio Lower Upper

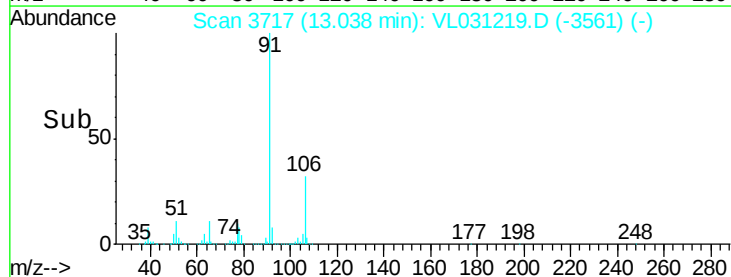
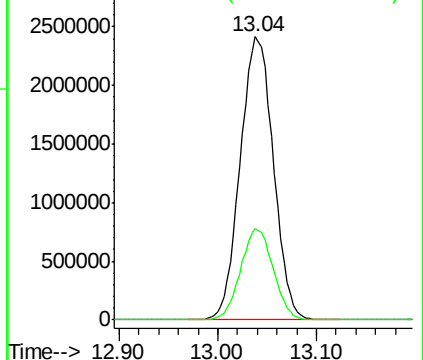
91 100

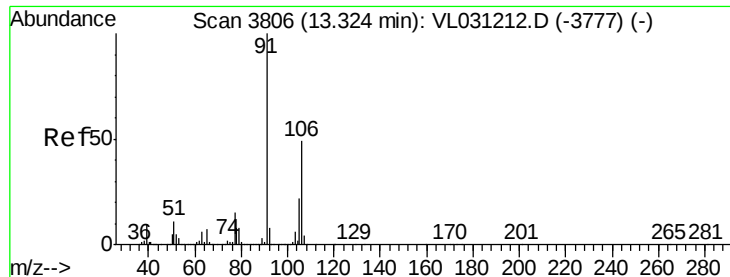
106 32.5 25.1 37.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





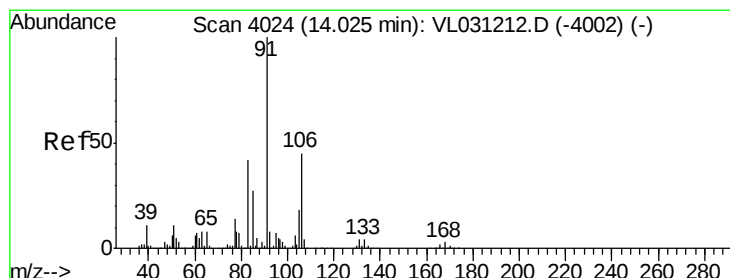
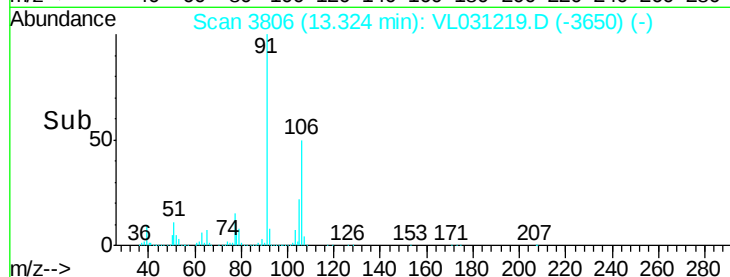
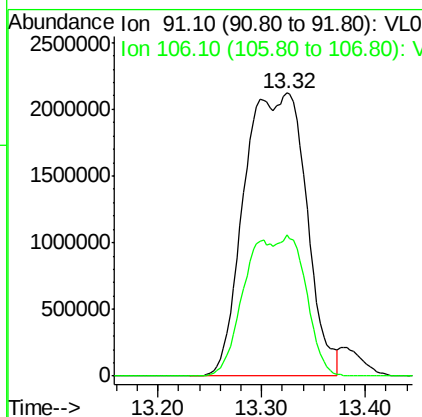
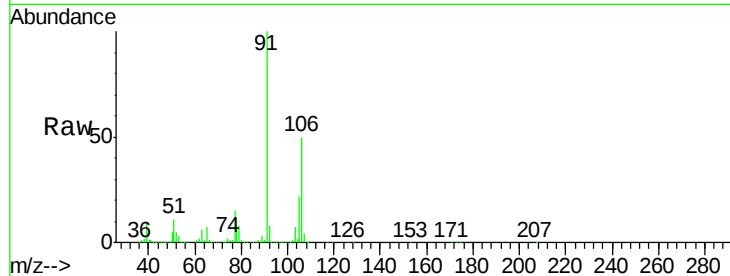
#59
m/p-Xylene
Concen: 16.18 ppbv m
RT: 13.32 min Scan# 3806
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
ICVVL121317

Tot Ion: 91 Resp: 8777448
Ion Ratio Lower Upper
91 100
106 48.2 38.5 57.7

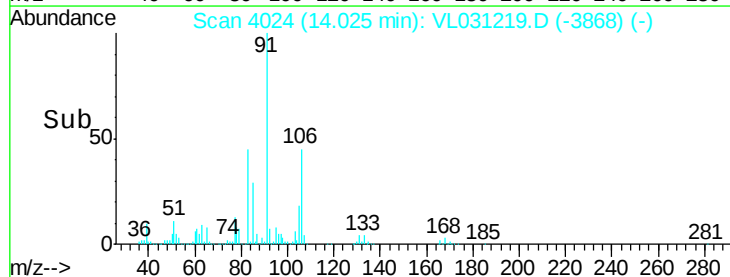
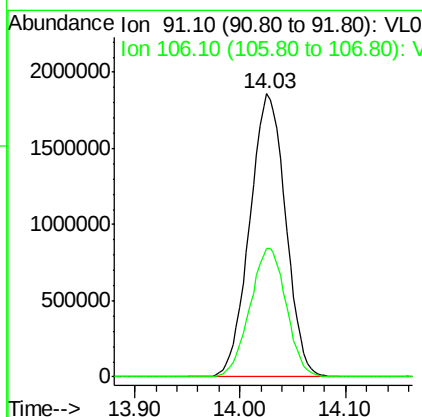
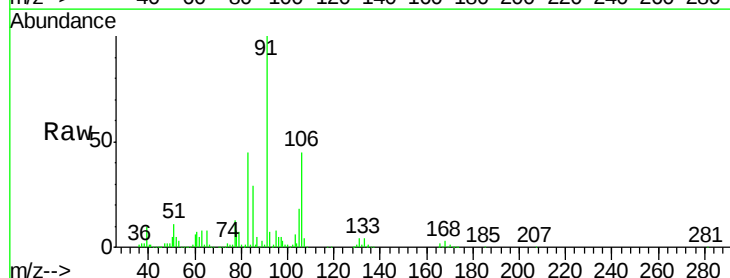
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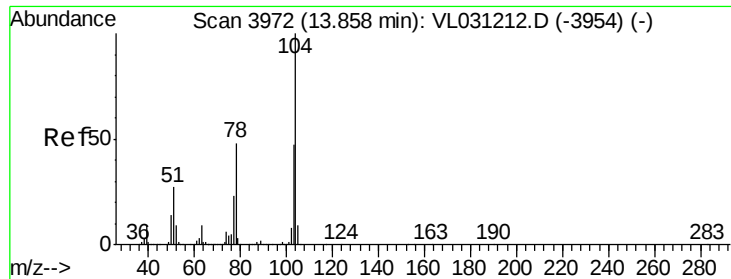
MMDadoda
12/15/2017 4:07:01 PM



#60
o-Xylene
Concen: 8.06 ppbv
RT: 14.03 min Scan# 4024
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion: 91 Resp: 4405838
Ion Ratio Lower Upper
91 100
106 45.9 22.7 68.1





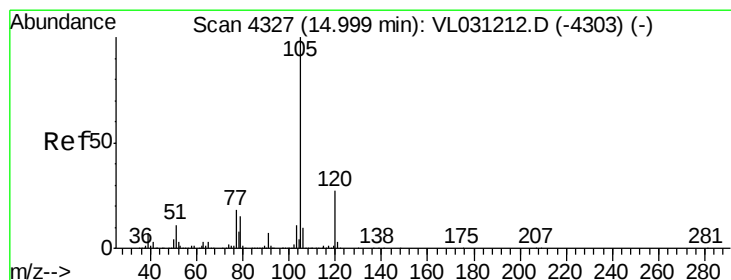
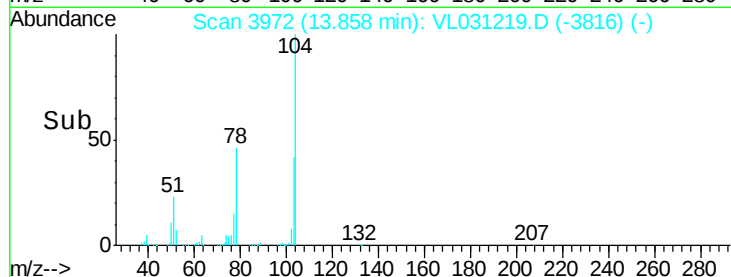
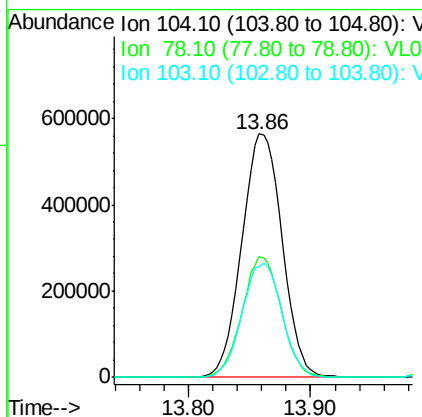
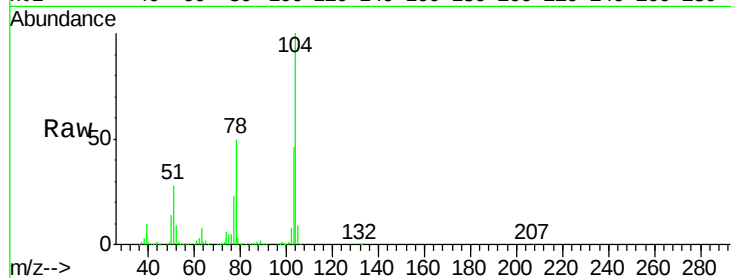
#61
Stvrene
Concen: 8.22 ppbv
RT: 13.86 min Scan# 3972
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
ICVVL121317

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.2	39.1	58.7
103	46.7	37.3	55.9

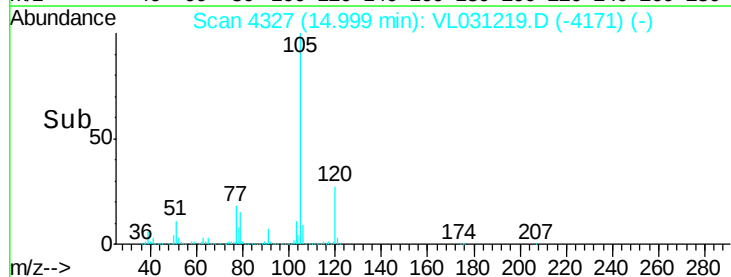
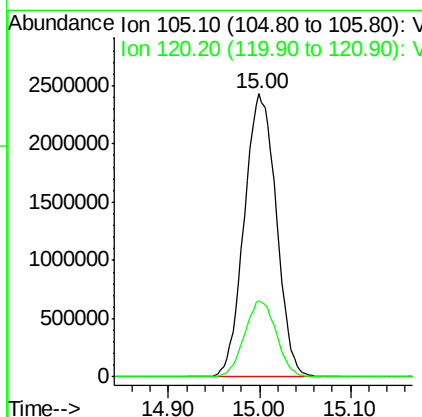
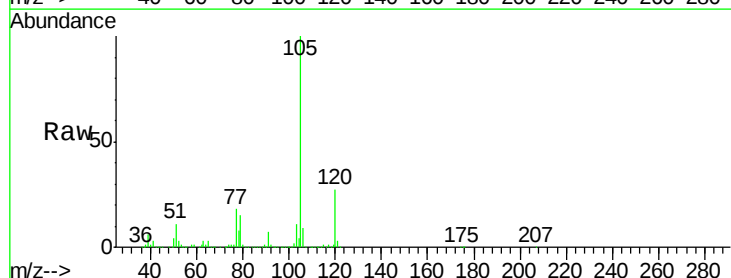
Manual Integrations
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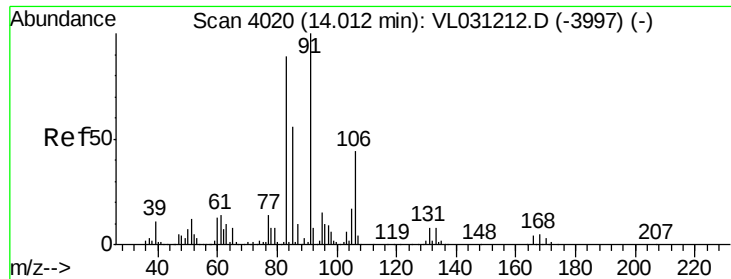
MMDadoda
12/15/2017 4:07:01 PM



#62
Isopropylbenzene
Concen: 8.29 ppbv
RT: 15.00 min Scan# 4327
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.0	31.6





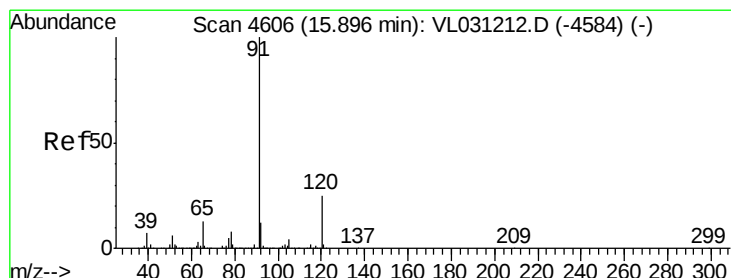
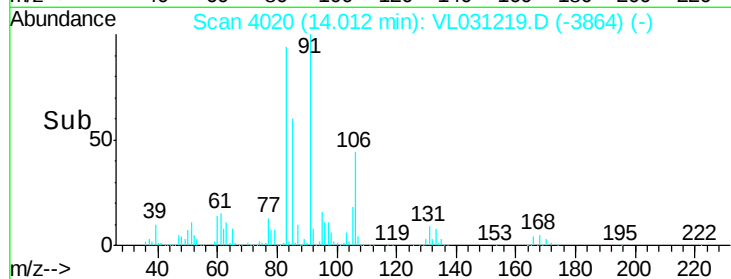
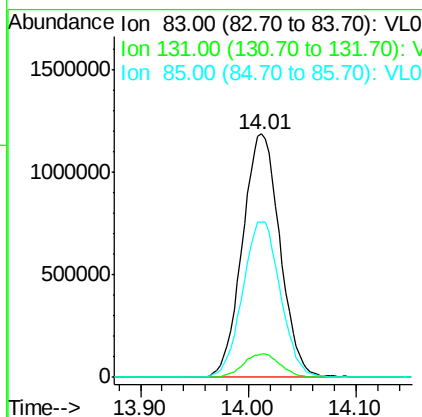
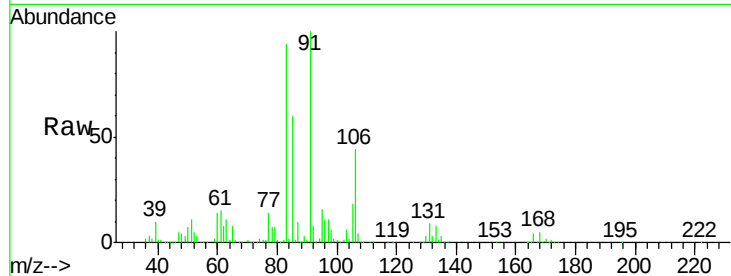
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.82 ppbv
 RT: 14.01 min Scan# 4020
 Delta R.T. 0.00 min
 Lab File: VL031219.D
 Acq: 14 Dec 2017 3:31

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL121317

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.3
85	64.4	32.1	96.5

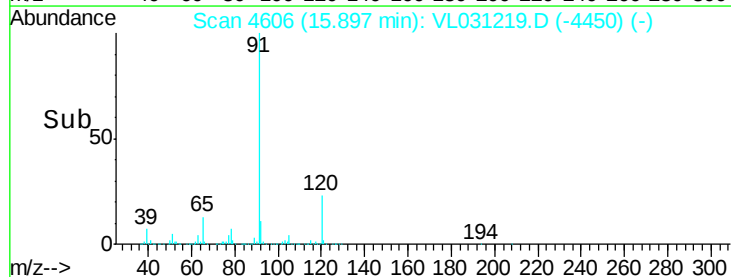
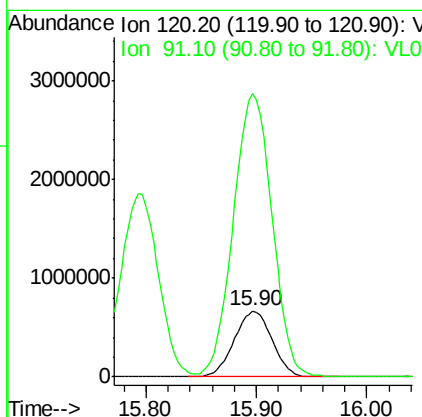
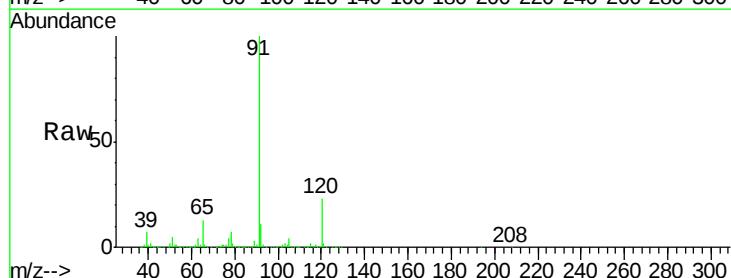
Manual Integrations
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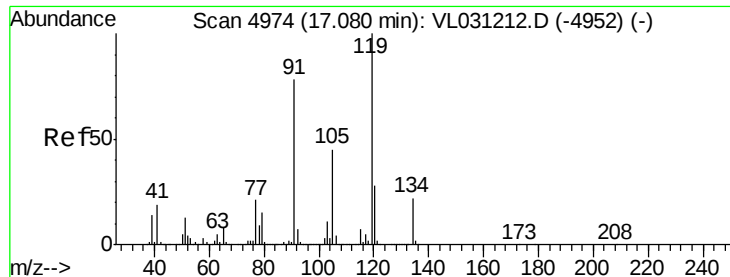
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#64
 n-propylbenzene
 Concen: 8.38 ppbv
 RT: 15.90 min Scan# 4606
 Delta R.T. 0.00 min
 Lab File: VL031219.D
 Acq: 14 Dec 2017 3:31

Tgt Ion	Ratio	Lower	Upper
120	100		
91	439.5	352.1	528.1





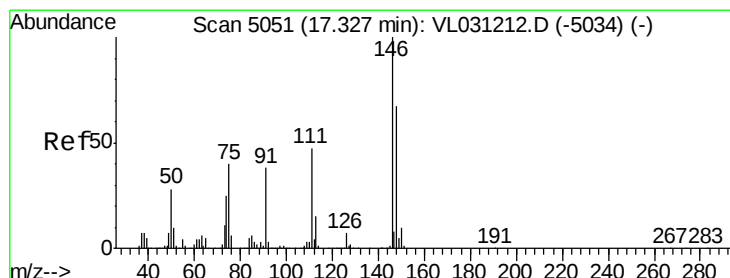
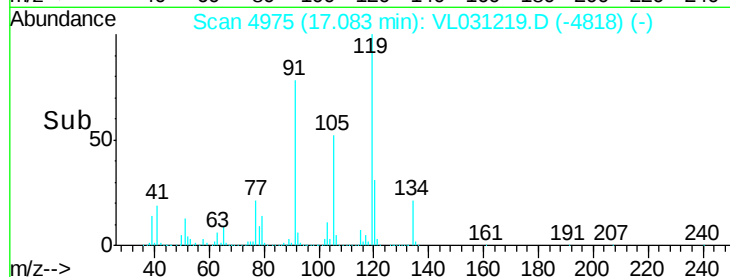
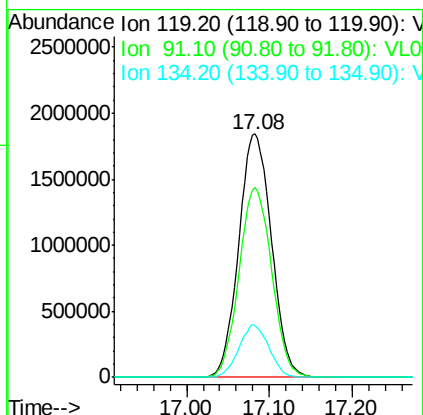
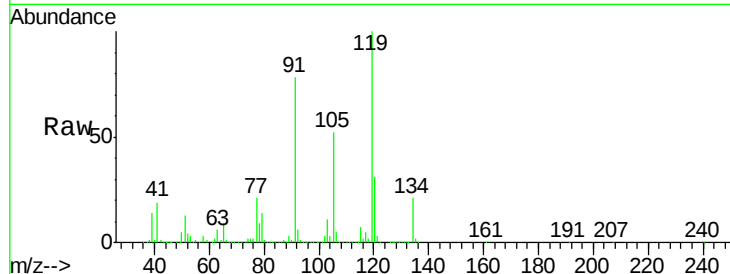
#65
tert-Butylbenzene
Concen: 7.96 ppbv
RT: 17.08 min Scan# 4975
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
ICVVL121317

Tot Ion	Ratio	Lower	Upper
119	100		
91	77.8	63.3	94.9
134	20.0	16.1	24.1

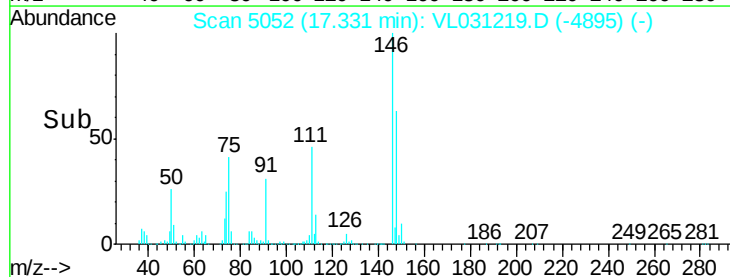
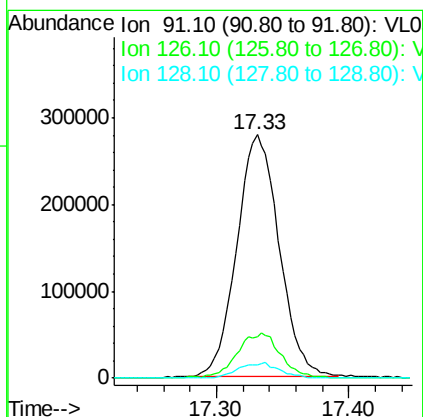
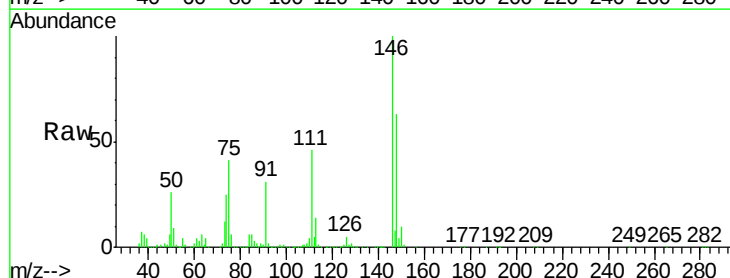
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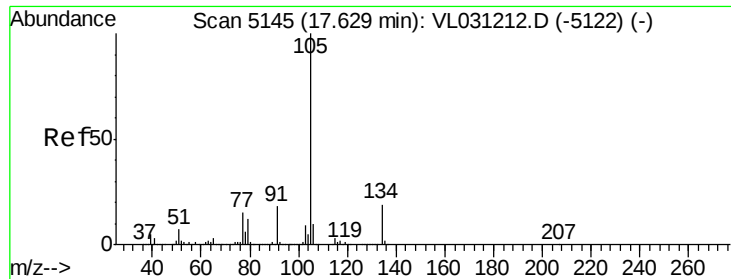
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#66
Benzyl Chloride
Concen: 9.01 ppbv
RT: 17.33 min Scan# 5052
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	19.6	15.2	22.8
128	6.3	4.9	7.3





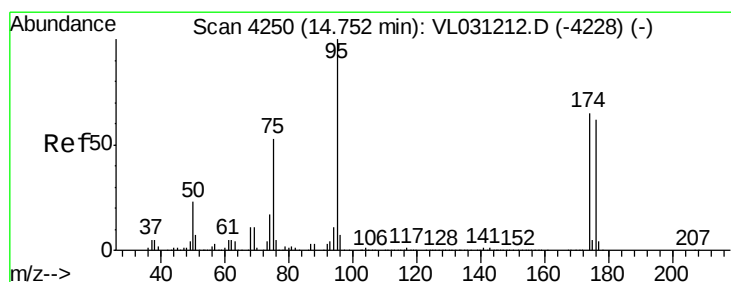
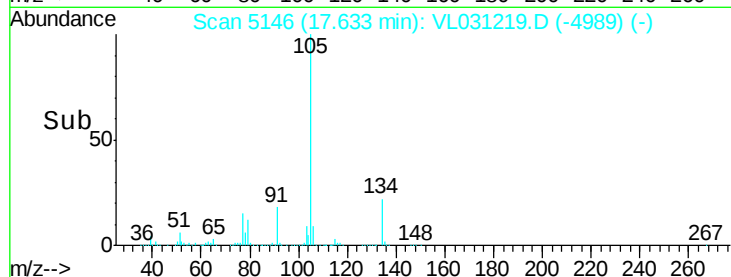
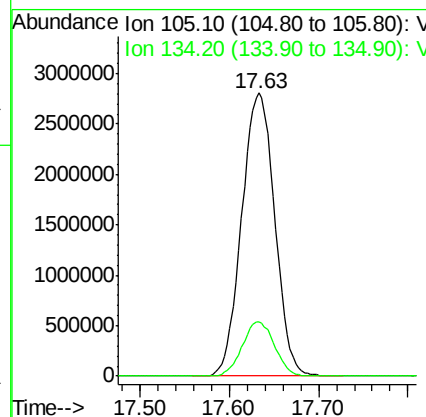
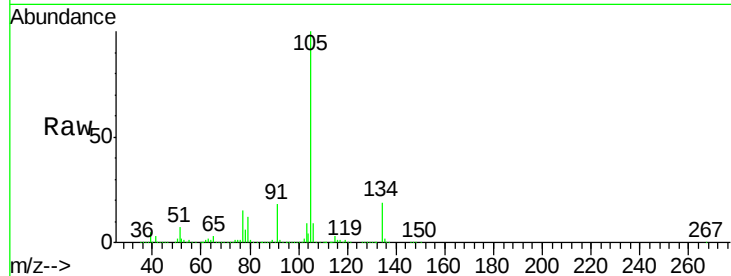
#67
 sec-Butylbenzene
 Concen: 8.24 ppbv
 RT: 17.63 min Scan# 5146
 Delta R.T. 0.00 min
 Lab File: VL031219.D
 Acq: 14 Dec 2017 3:31

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL121317

Tot Ion: 105 Resp: 7194405
 Ion Ratio Lower Upper
 105 100
 134 18.9 15.3 22.9

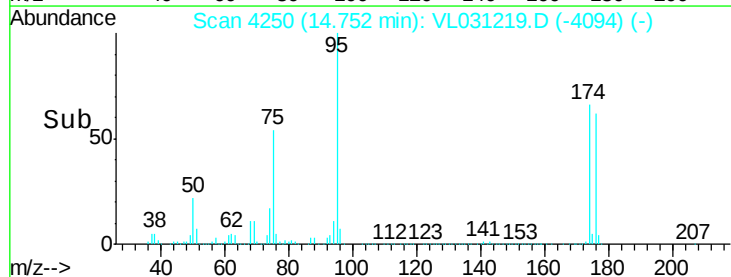
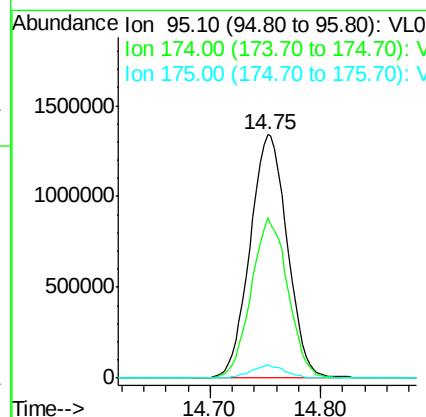
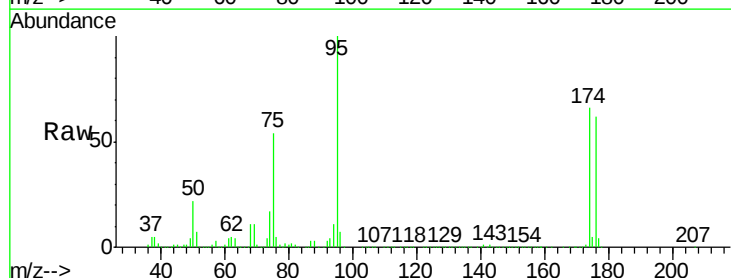
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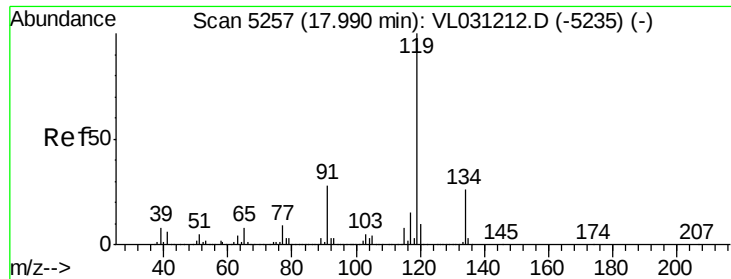
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.77 ppbv
 RT: 14.75 min Scan# 4250
 Delta R.T. 0.00 min
 Lab File: VL031219.D
 Acq: 14 Dec 2017 3:31

Tgt Ion: 95 Resp: 3143389
 Ion Ratio Lower Upper
 95 100
 174 65.1 52.5 78.7
 175 4.9 4.1 6.1





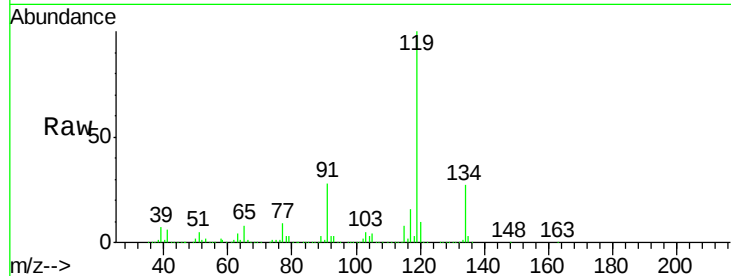
#69
p-Isopropyltoluene
Concen: 8.11 ppbv
RT: 17.99 min Scan# 5257
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
ICVVL121317

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.7	31.1
91	27.9	22.3	33.5

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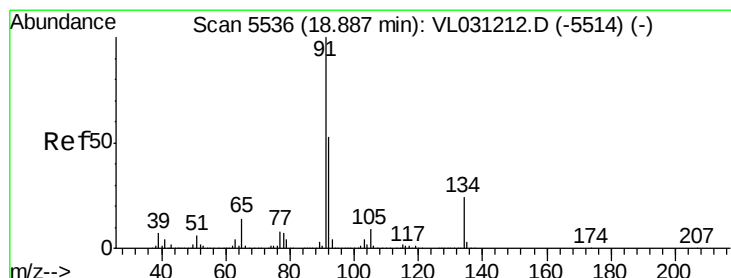
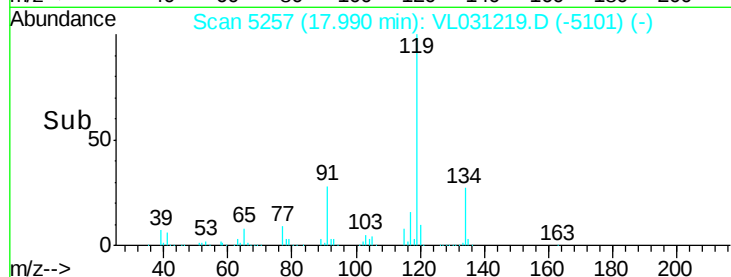
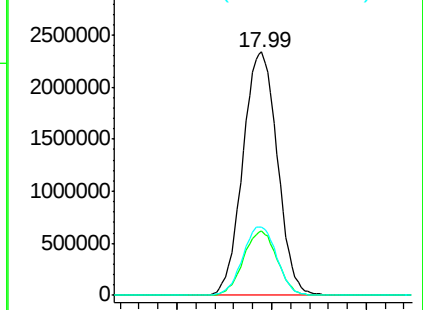


Abundance

Ion 119.10 (118.80 to 119.80): V

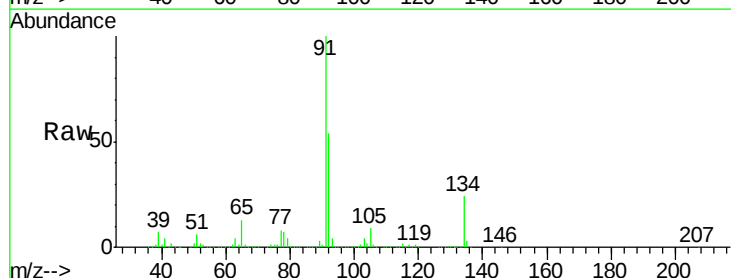
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70
n-Butylbenzene
Concen: 8.32 ppbv
RT: 18.88 min Scan# 5535
Delta R.T. -0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.2	43.4	65.2
134	24.1	19.3	28.9

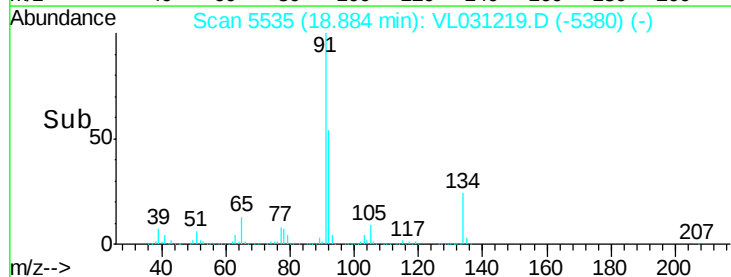
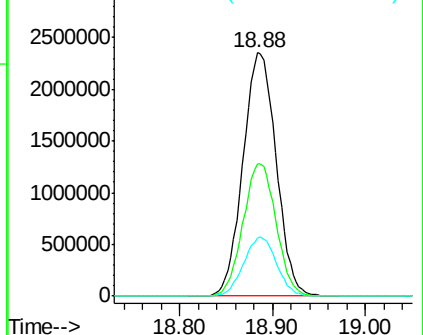


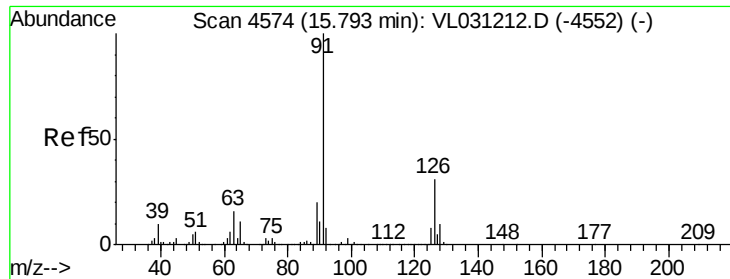
Abundance

Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





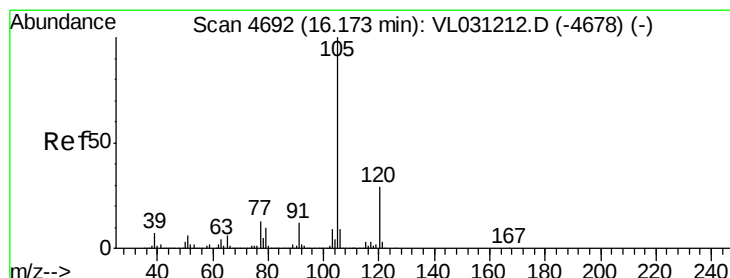
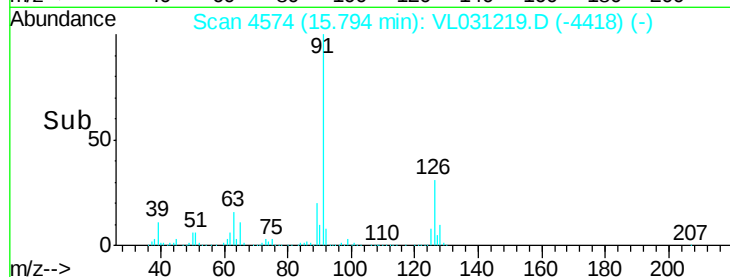
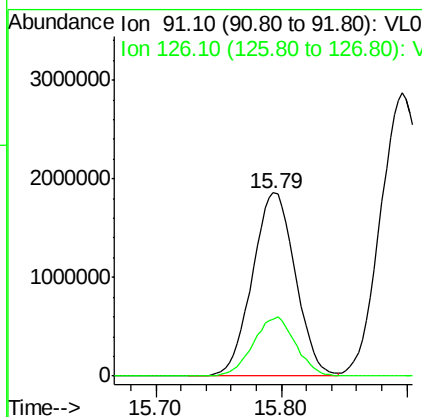
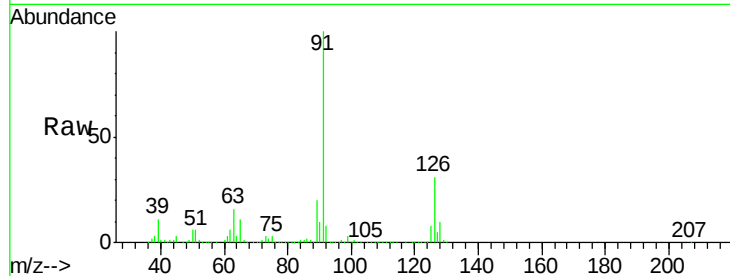
#71
 2-Chlorotoluene
 Concen: 8.33 ppbv
 RT: 15.79 min Scan# 4574
 Delta R.T. 0.00 min
 Lab File: VL031219.D
 Acq: 14 Dec 2017 3:31

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL121317

Tot Ion: 91 Resp: 4431196
 Ion Ratio Lower Upper
 91 100
 126 31.7 12.6 50.6

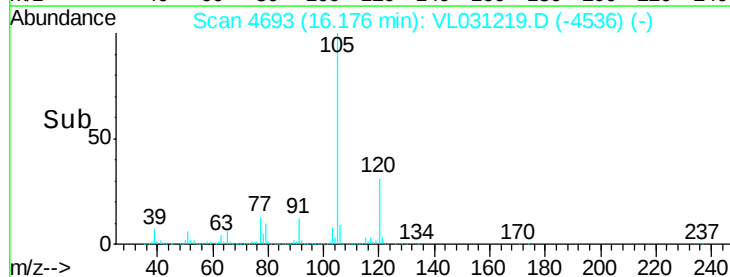
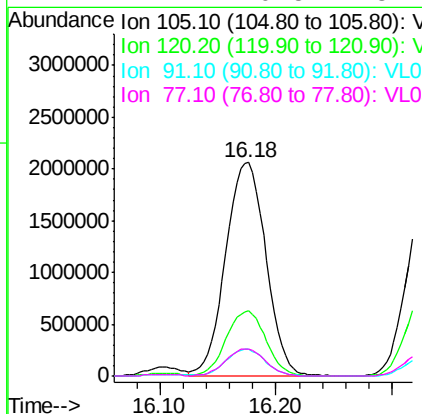
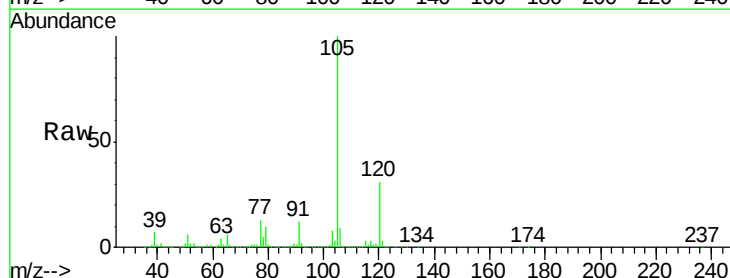
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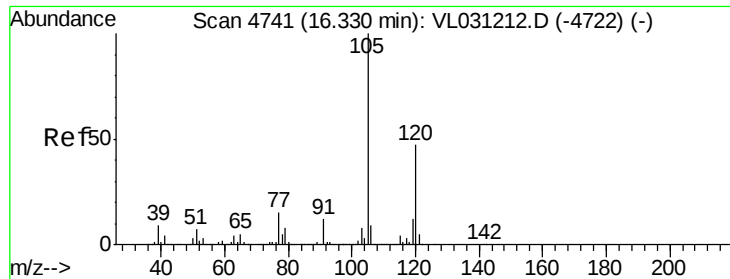
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#72
 4-Ethyltoluene
 Concen: 8.27 ppbv
 RT: 16.18 min Scan# 4693
 Delta R.T. 0.00 min
 Lab File: VL031219.D
 Acq: 14 Dec 2017 3:31

Tgt Ion: 105 Resp: 4953493
 Ion Ratio Lower Upper
 105 100
 120 30.2 24.2 36.2
 91 12.1 9.8 14.8
 77 12.7 10.5 15.7





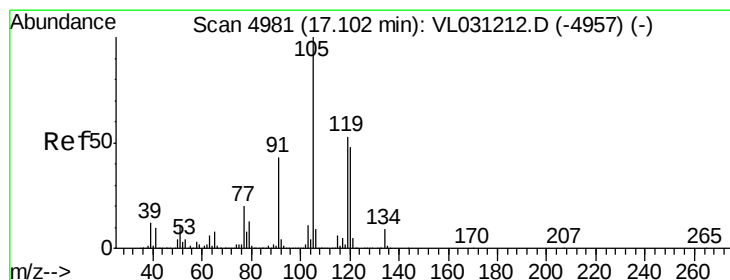
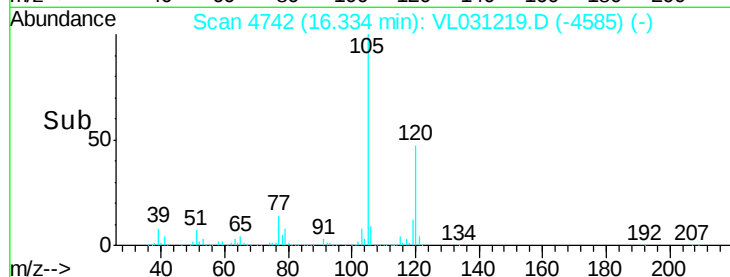
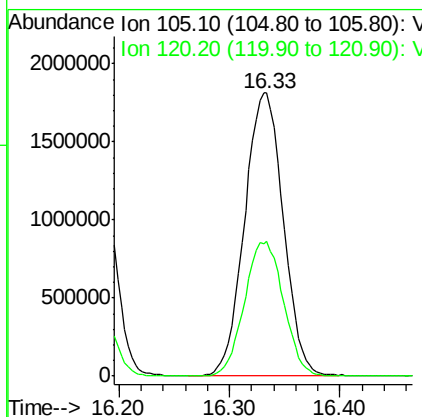
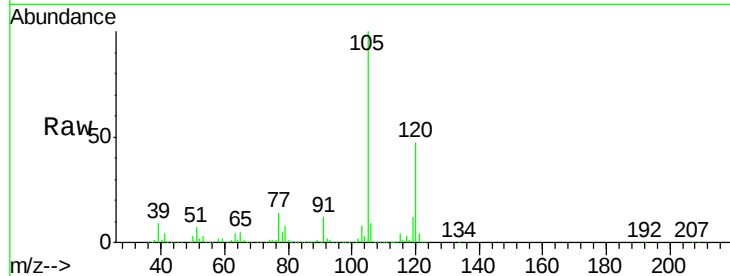
#73
 1,3,5-Trimethylbenzene
 Concen: 8.21 ppbv
 RT: 16.33 min Scan# 4742
 Delta R.T. 0.00 min
 Lab File: VL031219.D
 Acq: 14 Dec 2017 3:31

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL121317

Tot Ion:105 Resp: 4377370
 Ion Ratio Lower Upper
 105 100
 120 47.5 37.8 56.6

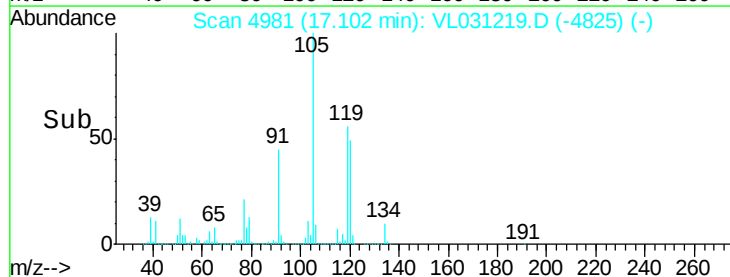
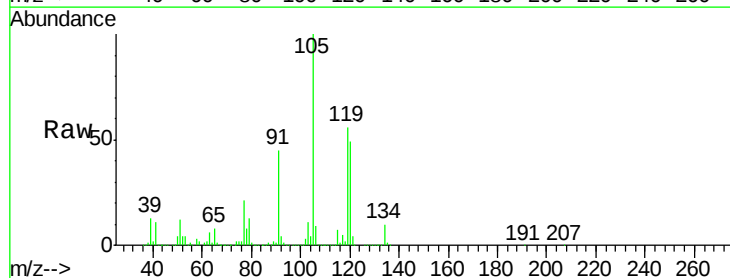
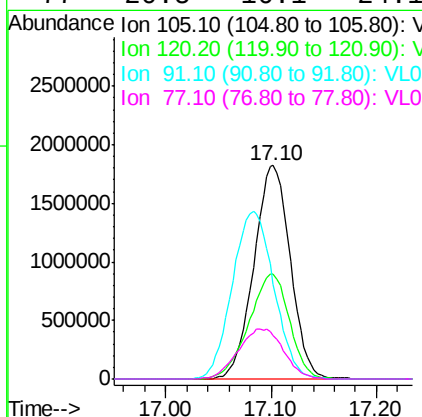
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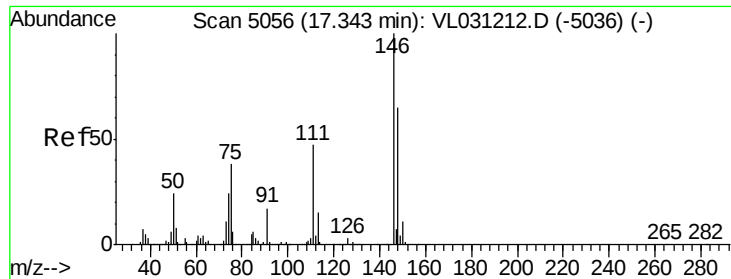
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#74
 1,2,4-Trimethylbenzene
 Concen: 7.83 ppbv
 RT: 17.10 min Scan# 4981
 Delta R.T. 0.00 min
 Lab File: VL031219.D
 Acq: 14 Dec 2017 3:31

Tgt Ion:105 Resp: 4388230
 Ion Ratio Lower Upper
 105 100
 120 49.0 38.6 58.0
 91 44.4 34.2 51.4
 77 20.5 16.1 24.1





#75

1,3-Dichlorobenzene

Concen: 8.05 ppbv

RT: 17.34 min Scan# 5055

Delta R.T. -0.00 min

Lab File: VL031219.D

Acq: 14 Dec 2017 3:31

Instrument :

MSVOA_L

ClientSampleId :

ICVVL121317

Tot Ion:146 Resp: 2862599

Ion Ratio Lower Upper

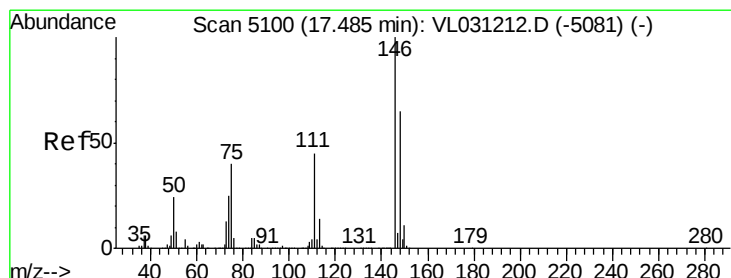
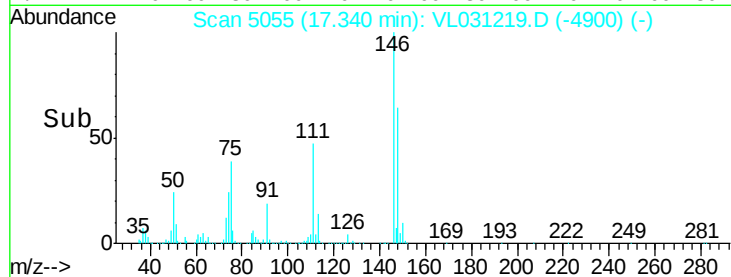
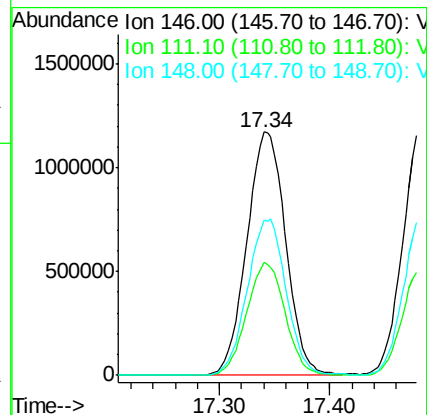
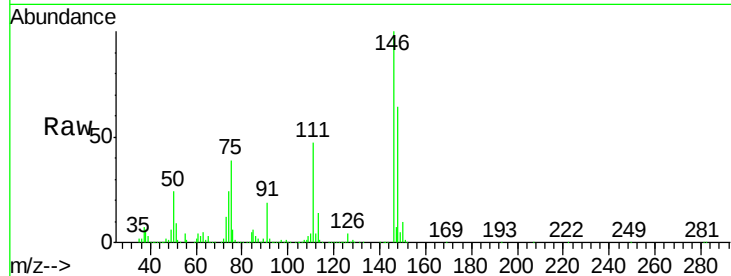
146 100

111 45.8 22.7 68.1

148 64.0 32.0 96.2

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#76

1,4-Dichlorobenzene

Concen: 8.04 ppbv

RT: 17.48 min Scan# 5100

Delta R.T. 0.00 min

Lab File: VL031219.D

Acq: 14 Dec 2017 3:31

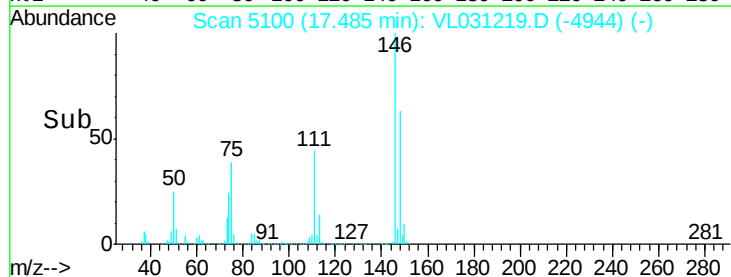
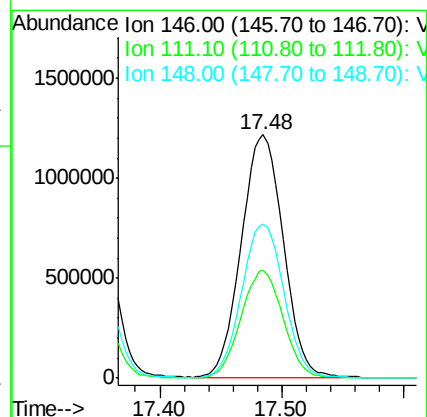
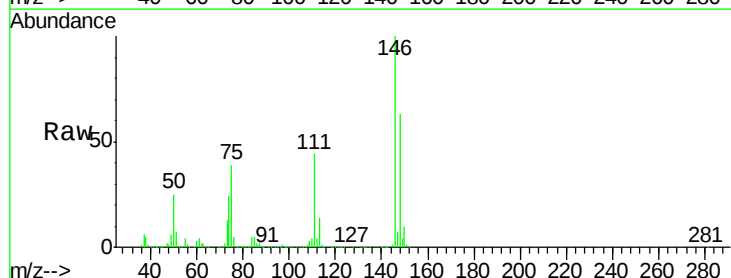
Tgt Ion:146 Resp: 2889607

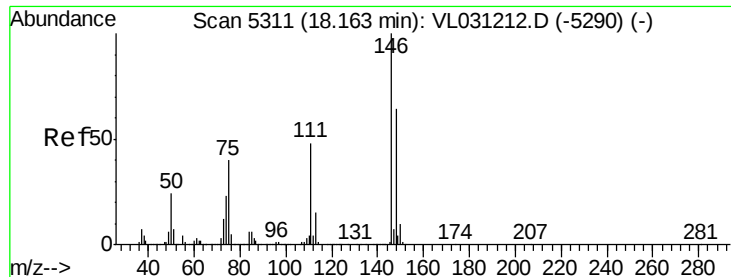
Ion Ratio Lower Upper

146 100

111 44.8 22.1 66.1

148 64.6 32.0 96.0





#77

1,2-Dichlorobenzene

Concen: 8.27 ppbv

RT: 18.16 min Scan# 5311

Delta R.T. 0.00 min

Lab File: VL031219.D

Acq: 14 Dec 2017 3:31

Instrument :

MSVOA_L

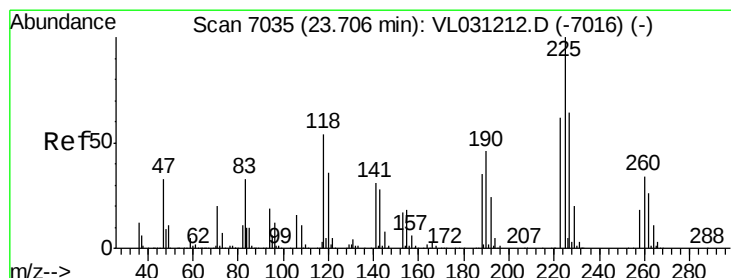
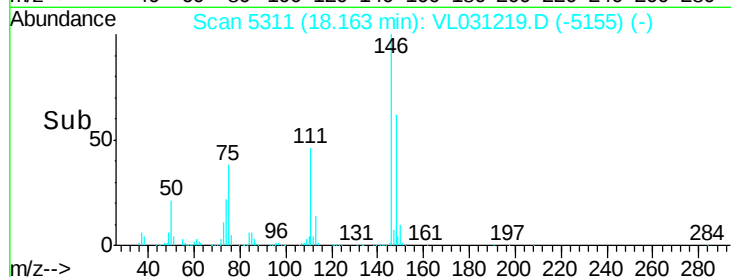
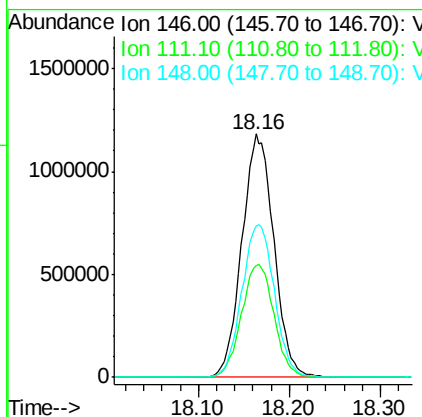
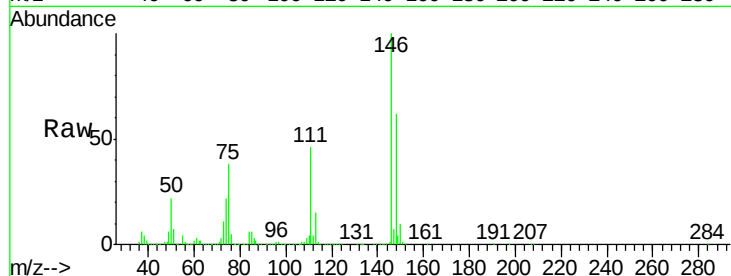
ClientSampleId :

ICVVL121317

Tot Ion:	146	Resp:	2872043
Ion	Ratio	Lower	Upper
146	100		
111	47.3	23.3	69.8
148	64.3	31.9	95.7

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#78

Hexachloro-1,3-Butadiene

Concen: 7.98 ppbv

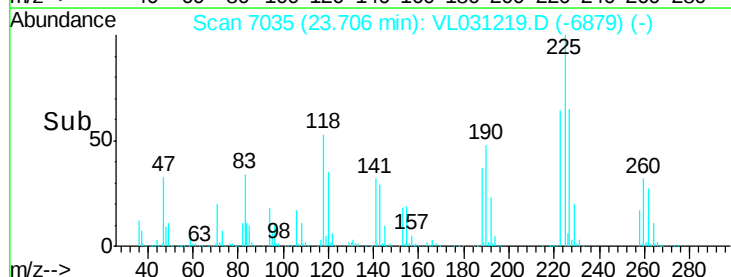
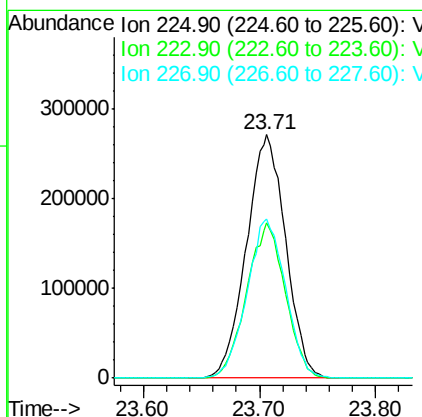
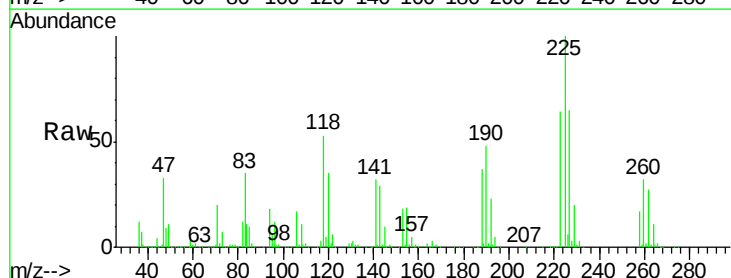
RT: 23.71 min Scan# 7035

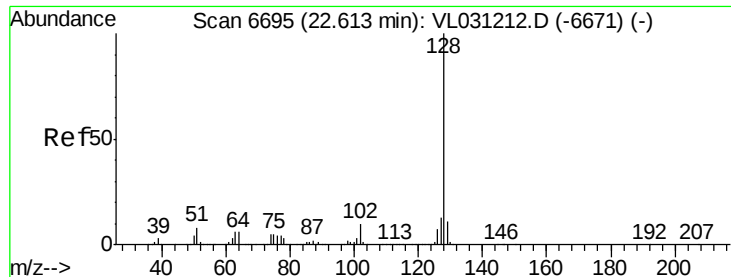
Delta R.T. 0.00 min

Lab File: VL031219.D

Acq: 14 Dec 2017 3:31

Tgt Ion:	225	Resp:	636922
Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.4	75.6
227	64.5	51.3	76.9





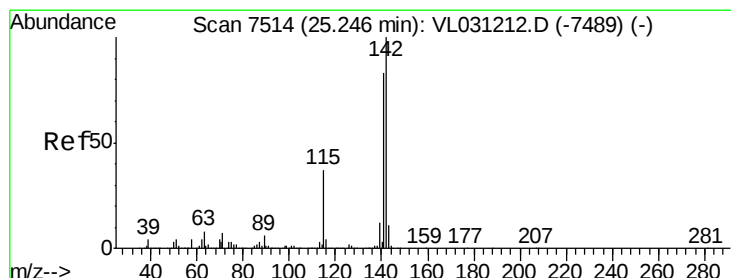
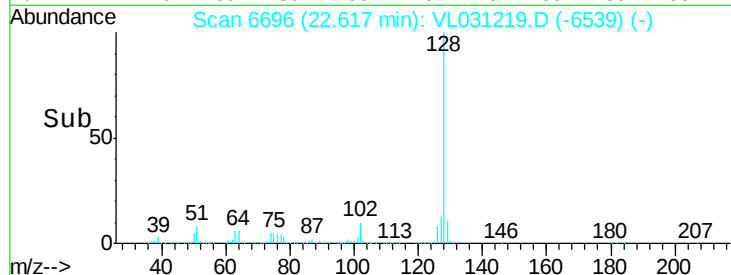
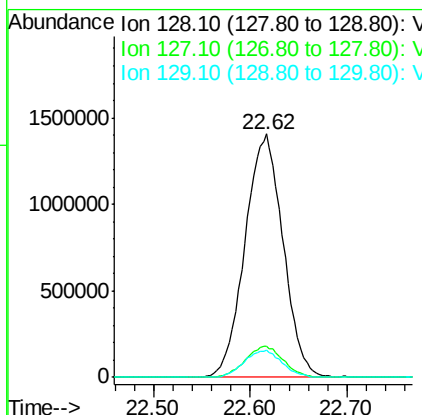
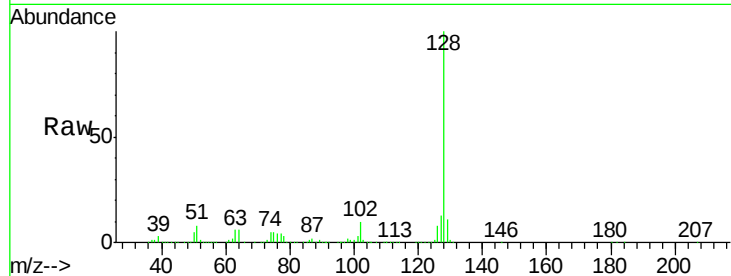
#79
Naphthalene
Concen: 8.45 ppbv
RT: 22.62 min Scan# 6696
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Instrument :
MSVOA_L
ClientSampleId :
ICVVL121317

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	11.0	8.9	13.3

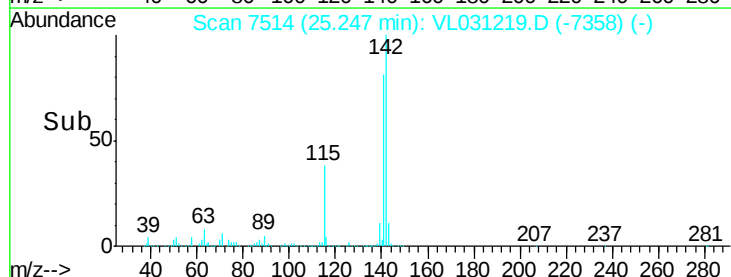
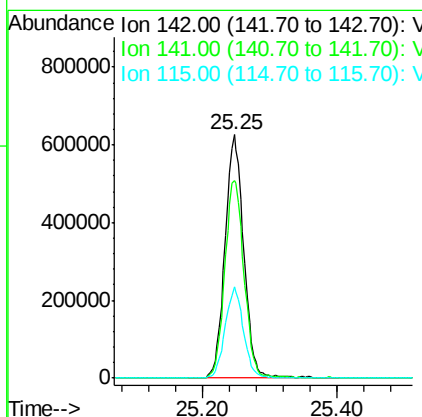
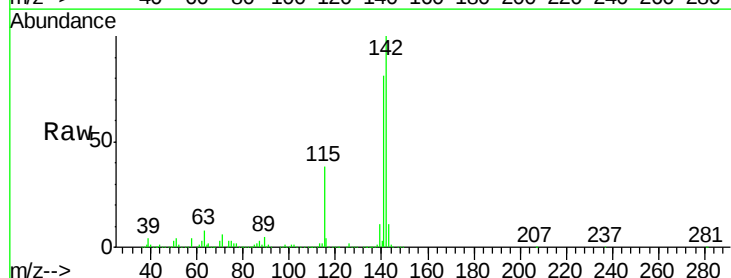
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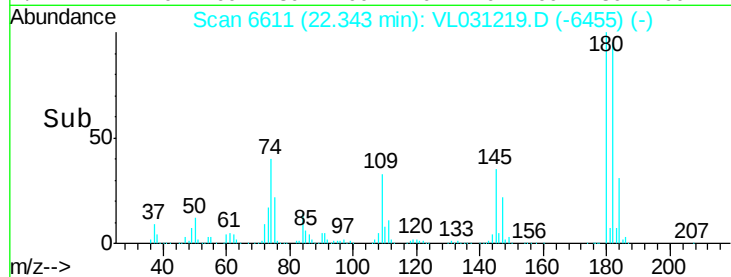
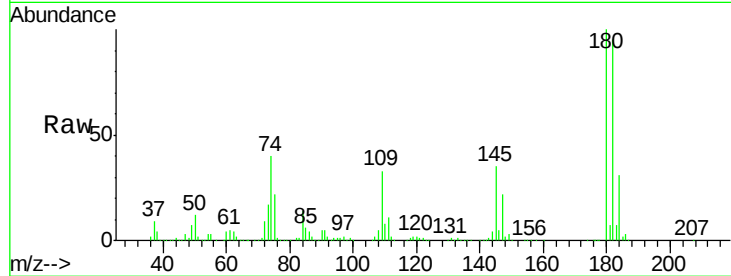
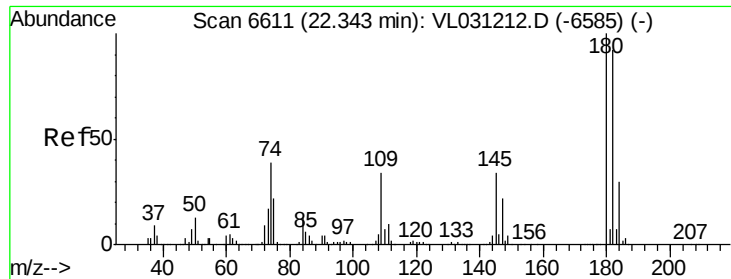
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#80
Naphthalene, 2-methyl-
Concen: 7.24 ppbv
RT: 25.25 min Scan# 7514
Delta R.T. 0.00 min
Lab File: VL031219.D
Acq: 14 Dec 2017 3:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.5	66.8	100.2
115	36.9	29.7	44.5





#81
 1,2,4-Trichlorobenzene
 Concen: 8.17 ppbv
 RT: 22.34 min Scan# 6611
 Delta R.T. 0.00 min
 Lab File: VL031219.D
 Acq: 14 Dec 2017 3:31

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.9	113.9
184	30.1	24.2	36.2

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL121317

Manual Integrations
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