

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL050318\
 Data File : VL031963.D
 Acq On : 3 May 2018 13:22
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 5/4/2018 5:00:58 PM

Quant Time: May 03 14:14:17 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL050318AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 03 2018
 QLast Update : Thu May 03 12:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.88	49	1270328	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.42	114	2606501	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.39	117	2484455	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.72	95	1986094	9.94	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.16	85	88569	0.34	ppbv	92
3) Chlorodifluoromethane	3.10	51	67178	0.45	ppbv	95
4) Chloromethane	3.25	50	33240	0.44	ppbv #	78
5) Vinyl Chloride	3.38	62	35457	0.42	ppbv	92
6) Bromomethane	3.61	94	26773	0.48	ppbv	85
7) Chloroethane	3.70	64	14649m	0.43	ppbv	
8) Dichlorotetrafluoroethane	3.31	85	94647	0.44	ppbv	99
9) Propene	3.12	41	20086	0.39	ppbv	92
10) Heptane	8.38	43	75137	0.45	ppbv	99
11) Trichlorofluoromethane	4.11	101	123535	0.48	ppbv	91
12) 1,1,2-Trichlorotrifluoroet	4.66	101	79098	0.47	ppbv	100
13) Ethanol	3.76	45	10920m	0.63	ppbv	
14) Bromoethene	3.89	108	28530	0.45	ppbv	96
15) Acetone	4.01	43	119810	0.61	ppbv	94
16) 1,3-Butadiene	3.45	39	28465	0.39	ppbv #	79
17) tert-Butyl alcohol	4.49	59	42858	0.53	ppbv #	94
18) 1,1-Dichloroethene	4.46	96	35308	0.49	ppbv	96
19) Isopropyl Alcohol	4.14	45	57441m	0.53	ppbv	
20) Methylene Chloride	4.52	84	33601	0.47	ppbv	94
21) Allyl Chloride	4.58	41	54946	0.49	ppbv	97
22) trans-1,2-Dichloroethene	5.08	96	39476	0.53	ppbv	88
23) Vinyl Acetate	5.27	43	98226	0.50	ppbv #	94
24) 1,1-Dichloroethane	5.21	63	110196	0.56	ppbv	98
25) Ethyl Acetate	5.90	43	160236	0.53	ppbv	99
26) Hexane	5.90	57	76848m	0.54	ppbv	
27) Carbon Disulfide	4.74	76	76164	0.41	ppbv #	83
28) Methyl tert-Butyl Ether	5.24	73	89107	0.51	ppbv	98
29) Chloroform	5.96	83	126235	0.52	ppbv	99
30) Cyclohexane	7.38	84	47250m	0.47	ppbv	
31) cis-1,2-Dichloroethene	5.76	61	63896	0.50	ppbv	92
32) 1,1,1-Trichloroethane	6.75	97	102716	0.44	ppbv	99
34) 2-Butanone	5.45	43	122209	0.68	ppbv	98
35) Carbon Tetrachloride	7.27	117	101258	0.45	ppbv	88
36) Benzene	7.13	78	118420	0.51	ppbv	99
37) 1,2-Dichloroethane	6.54	62	88120	0.51	ppbv #	96
38) Trichloroethene	8.10	130	47596m	0.50	ppbv	
39) 1,2-Dichloropropane	7.87	63	45310m	0.52	ppbv	
40) 1,4-Dioxane	8.12	88	21728m	0.61	ppbv	
41) Tetrahydrofuran	6.30	42	41634m	0.50	ppbv	
42) Bromodichloromethane	8.05	83	102241	0.49	ppbv	98
43) Methyl Methacrylate	8.28	69	38650	0.47	ppbv	98

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 ClientSampleId :
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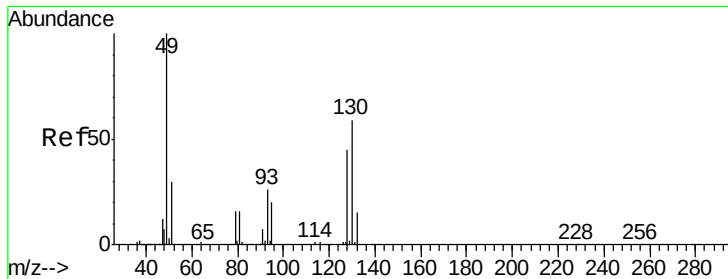
Manual Integrations
 APPROVED

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 5/4/2018 5:00:58 PM

Quant Time: May 03 14:14:17 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL050318AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 03 2018
 QLast Update : Thu May 03 12:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.13	57	199956	0.50	ppbv	97
45) t-1,3-Dichloropropene	9.55	75	46174m	0.43	ppbv	
46) cis-1,3-Dichloropropene	8.97	75	58024	0.42	ppbv	91
47) 1,1,2-Trichloroethane	9.76	97	52477	0.51	ppbv	93
48) Dibromochloromethane	10.59	129	76024	0.45	ppbv	97
49) Bromoform	13.35	173	57405	0.45	ppbv	98
50) 4-Methyl-2-Pentanone	9.03	43	98245	0.47	ppbv	99
51) 2-Hexanone	10.43	43	79345	0.44	ppbv #	99
52) Tetrachloroethene	11.52	164	45873m	0.50	ppbv	
53) Toluene	10.09	91	114649	0.44	ppbv	99
54) 1,2-Dibromoethane	10.90	107	71974	0.48	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.43	131	59936m	0.51	ppbv	
57) Chlorobenzene	12.45	112	119088	0.57	ppbv	93
58) Ethyl Benzene	13.01	91	163624	0.47	ppbv	98
59) m/p-Xylene	13.30	91	301582m	1.01	ppbv	
60) o-Xylene	14.00	91	145837	0.49	ppbv	99
61) Styrene	13.84	104	23556m	0.41	ppbv	
62) Isopropylbenzene	14.97	105	192400	0.50	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.98	83	112448	0.49	ppbv	98
64) n-propylbenzene	15.87	120	48090m	0.51	ppbv	
65) tert-Butylbenzene	17.05	119	175391m	0.53	ppbv	
66) Benzyl Chloride	17.30	91	14456m	0.48	ppbv	
67) sec-Butylbenzene	17.61	105	233318	0.49	ppbv	100
69) p-Isopropyltoluene	17.96	119	179531	0.49	ppbv	99
70) n-Butylbenzene	18.86	91	188140	0.49	ppbv	98
71) 2-Chlorotoluene	15.76	91	133159	0.48	ppbv	100
72) 4-Ethyltoluene	16.14	105	139462	0.46	ppbv	98
73) 1,3,5-Trimethylbenzene	16.30	105	136187	0.49	ppbv	91
74) 1,2,4-Trimethylbenzene	17.07	105	158724	0.51	ppbv	94
75) 1,3-Dichlorobenzene	17.31	146	100789m	0.53	ppbv	
76) 1,4-Dichlorobenzene	17.46	146	100456m	0.54	ppbv	
77) 1,2-Dichlorobenzene	18.14	146	102590m	0.54	ppbv	
78) Hexachloro-1,3-Butadiene	23.69	225	43428m	0.60	ppbv	
79) Naphthalene	22.59	128	91991m	0.52	ppbv	
80) Naphthalene, 2-methyl-	25.23	142	12115	0.35	ppbv	94
81) 1,2,4-Trichlorobenzene	22.32	180	59779m	0.61	ppbv	

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



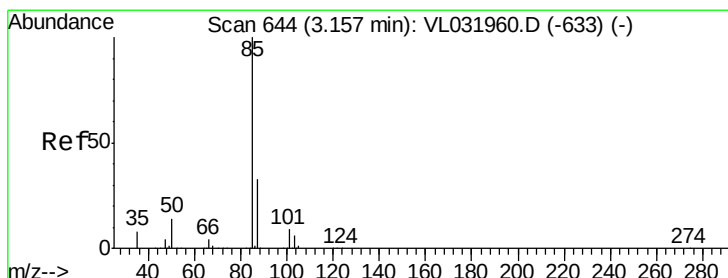
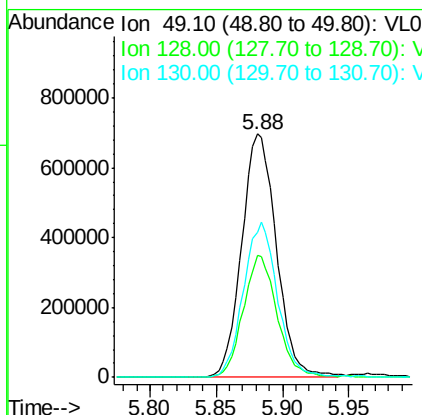
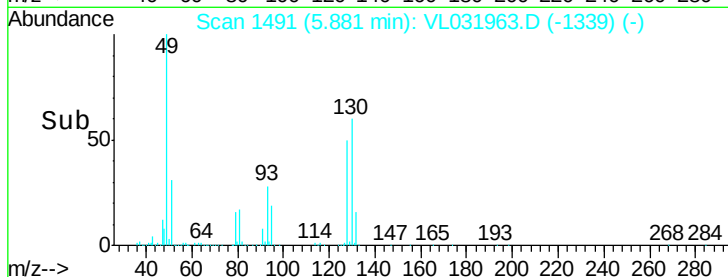
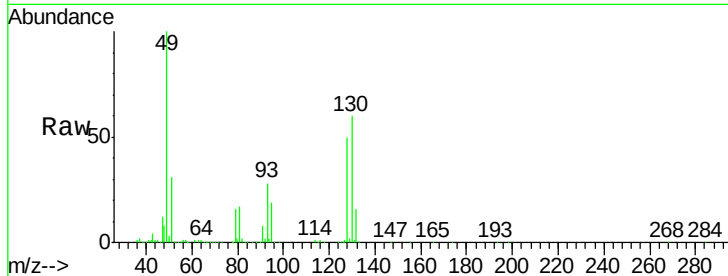
#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.88 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: VL031963.D
 Acq: 3 May 2018 13:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	49	Resp:	1270328
Ion	Ratio	Lower	Upper
49	100		
128	49.1	23.9	71.7
130	63.3	30.9	92.7

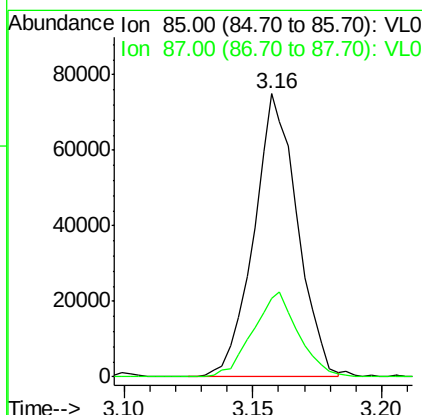
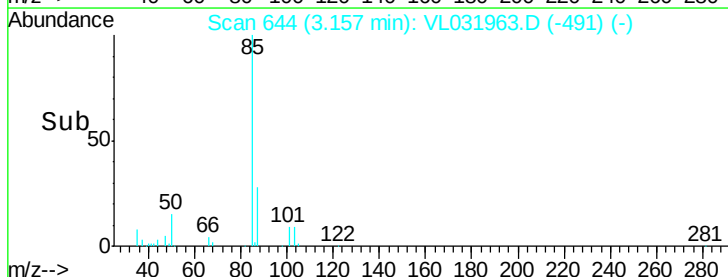
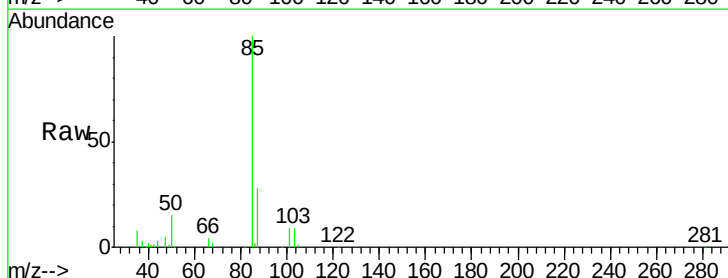
Manual Integrations
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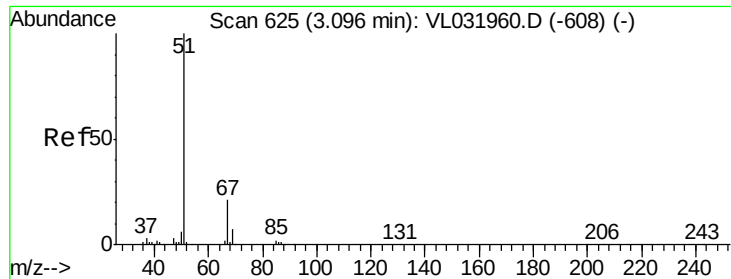
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#2
 Dichlorodifluoromethane
 Concen: 0.34 ppbv
 RT: 3.16 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: VL031963.D
 Acq: 3 May 2018 13:22

Tgt Ion:	85	Resp:	88569
Ion	Ratio	Lower	Upper
85	100		
87	27.7	25.9	38.9





#3

Chlorodifluoromethane

Concen: 0.45 ppbv

RT: 3.10 min Scan# 626

Delta R.T. -0.00 min

Lab File: VL031963.D

Acq: 3 May 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 51 Resp: 67178

Ion Ratio Lower Upper

51 100

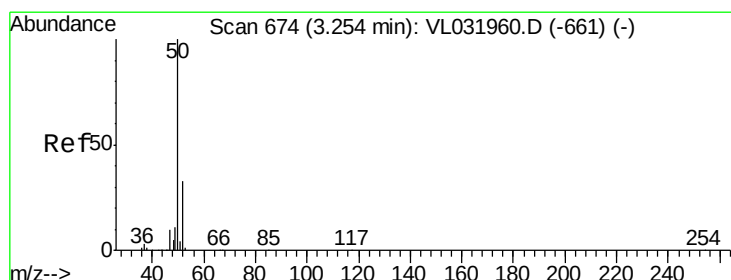
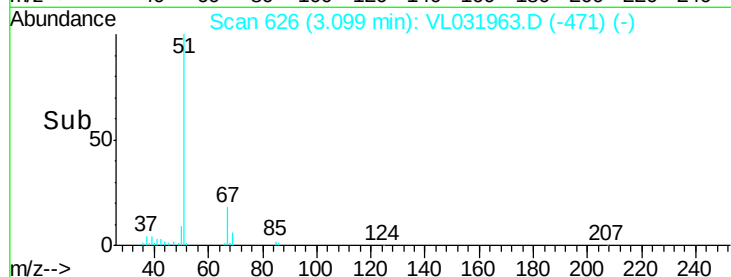
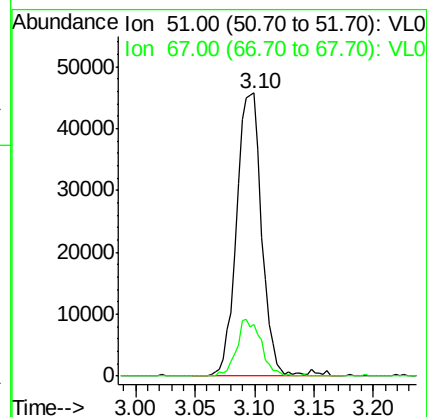
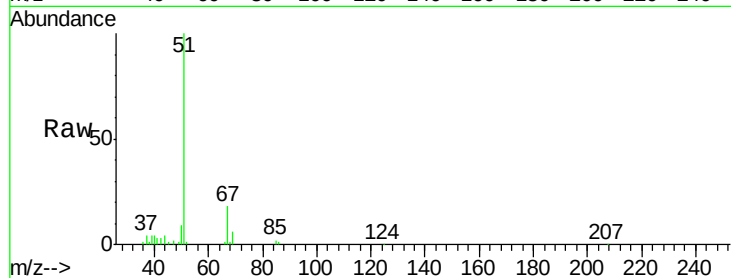
67 19.3 17.5 26.3

Manual Integrations

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#4

Chloromethane

Concen: 0.44 ppbv

RT: 3.25 min Scan# 674

Delta R.T. -0.01 min

Lab File: VL031963.D

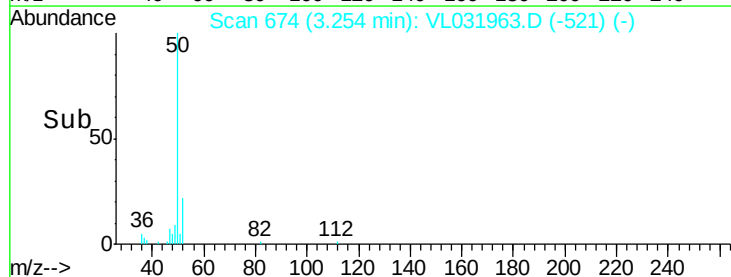
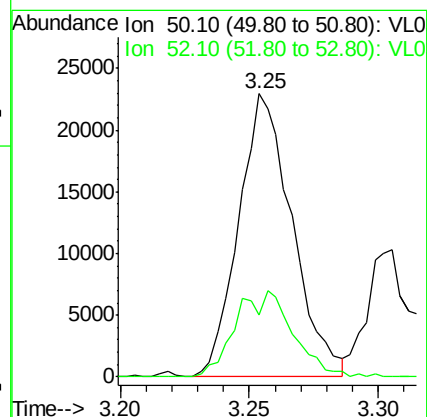
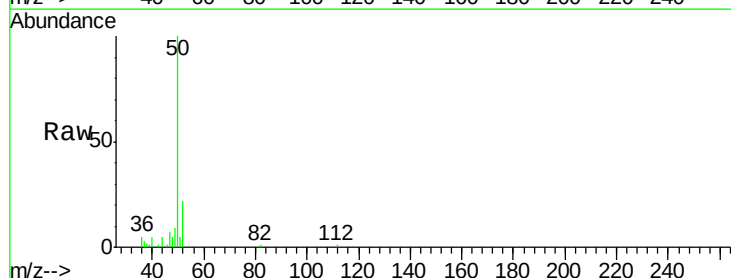
Acq: 3 May 2018 13:22

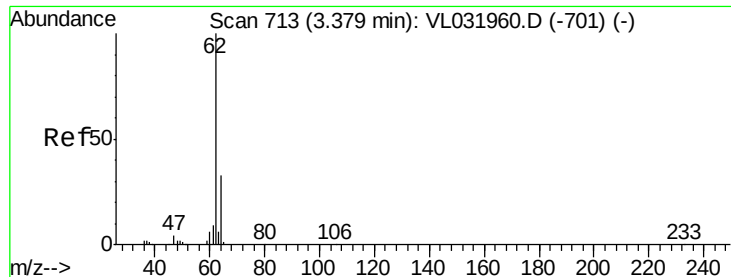
Tgt Ion: 50 Resp: 33240

Ion Ratio Lower Upper

50 100

52 22.0 28.1 42.1#





#5

Vinyl Chloride

Concen: 0.42 ppbv

RT: 3.38 min Scan# 713

Delta R.T. -0.00 min

Lab File: VL031963.D

Acq: 3 May 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 35457

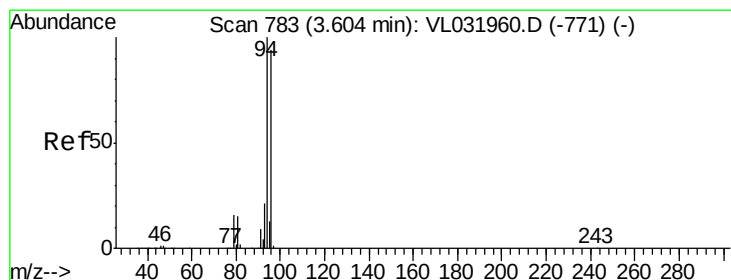
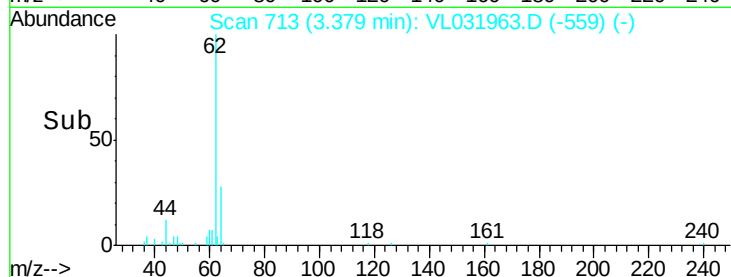
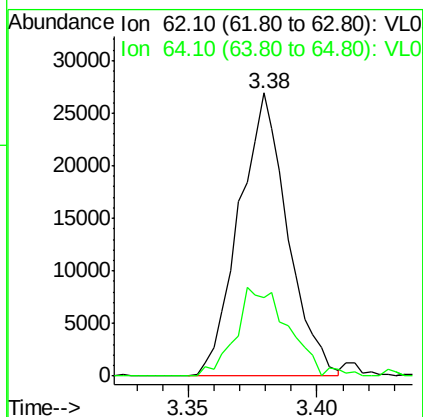
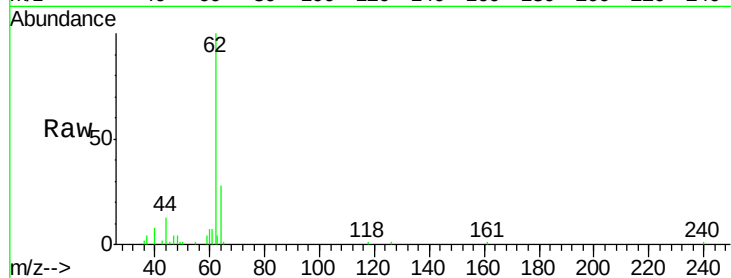
Ion Ratio Lower Upper

62 100

64 27.9 25.9 38.9

Manual Integrations
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#6

Bromomethane

Concen: 0.48 ppbv

RT: 3.61 min Scan# 784

Delta R.T. -0.00 min

Lab File: VL031963.D

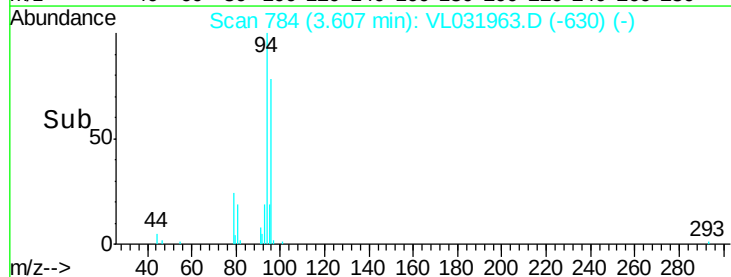
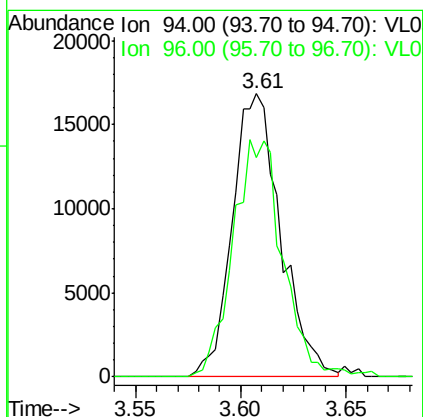
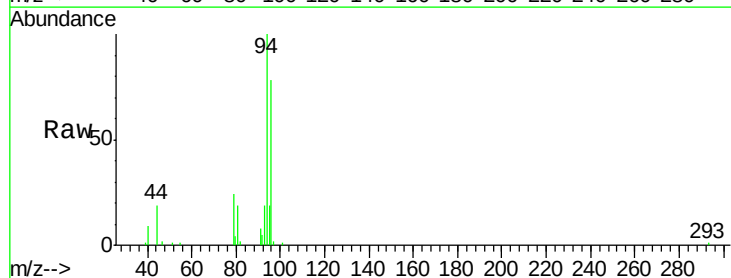
Acq: 3 May 2018 13:22

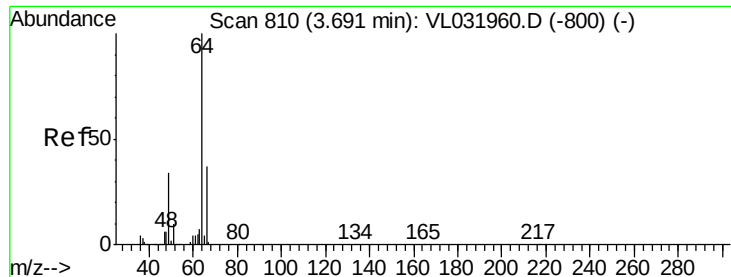
Tgt Ion: 94 Resp: 26773

Ion Ratio Lower Upper

94 100

96 77.6 73.8 110.6





#7

Chloroethane

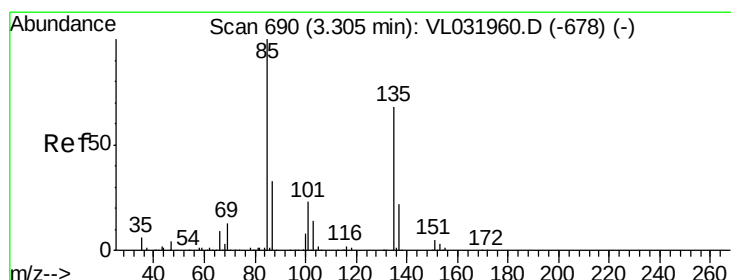
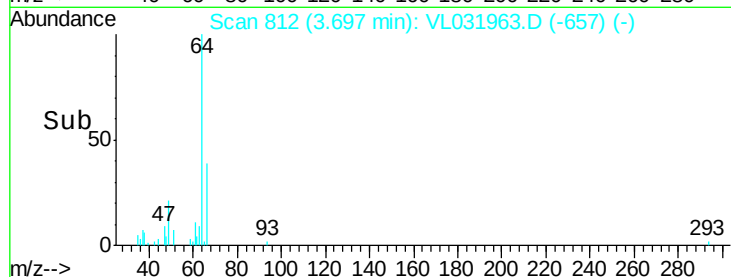
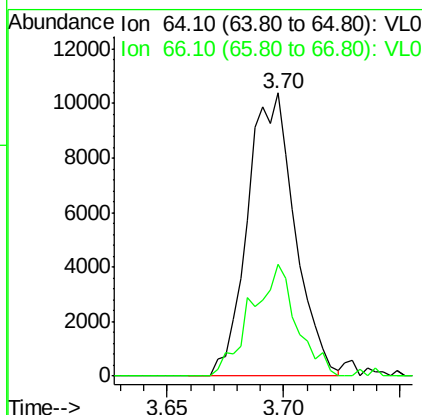
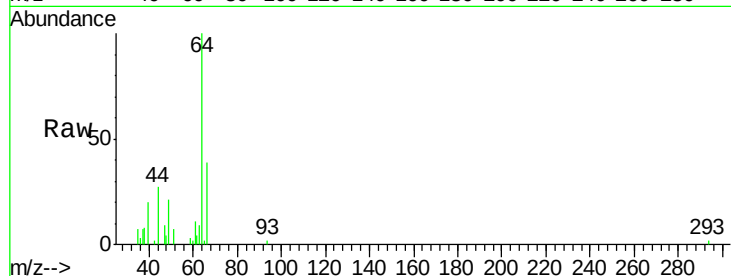
Concen: 0.43 ppbv m
RT: 3.70 min Scan# 812
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
64	100		
66	39.4	23.4	35.0#

Manual Integrations
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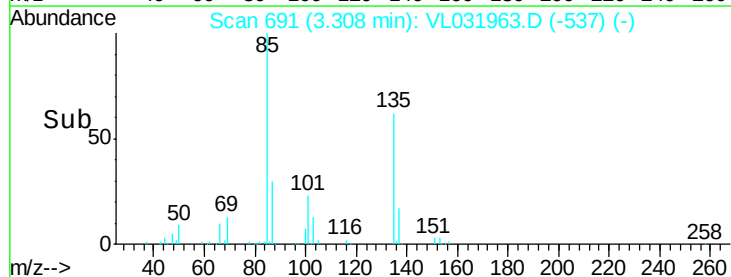
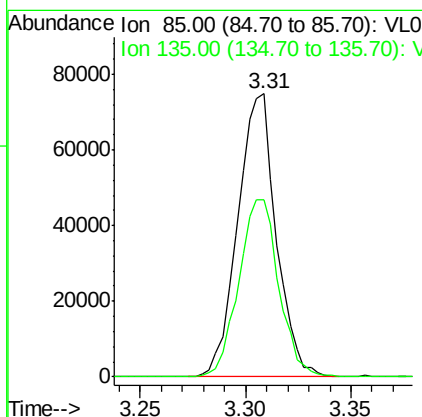
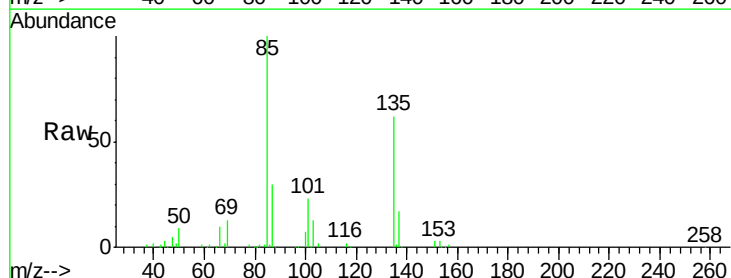


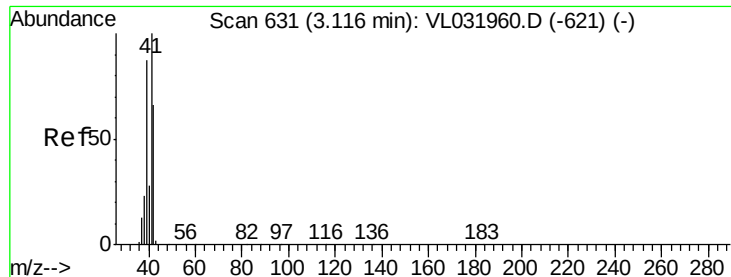
#8

Dichlorotetrafluoroethane

Concen: 0.44 ppbv
RT: 3.31 min Scan# 691
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion	Ratio	Lower	Upper
85	100		
135	65.2	52.7	79.1





#9

Propene

Concen: 0.39 ppbv

RT: 3.12 min Scan# 631

Delta R.T. -0.01 min

Lab File: VL031963.D

Acq: 3 May 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 20086

Ion Ratio Lower Upper

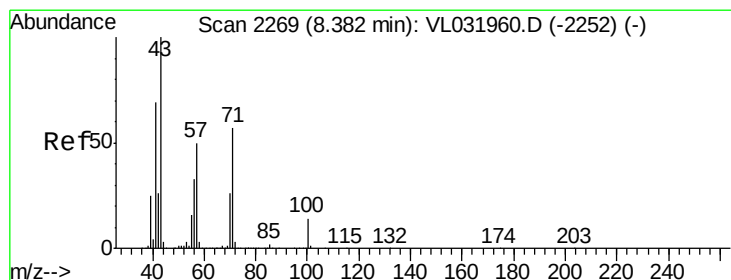
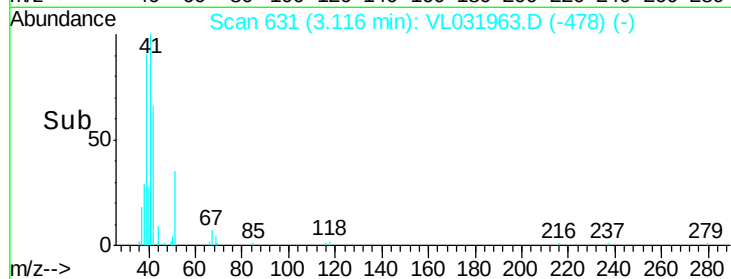
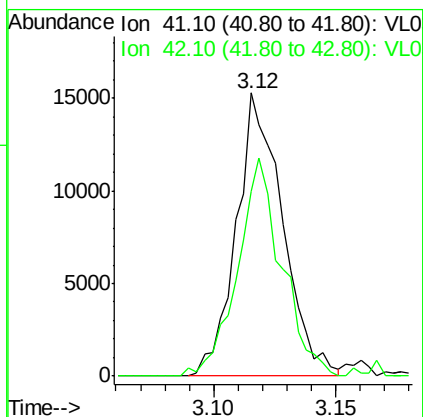
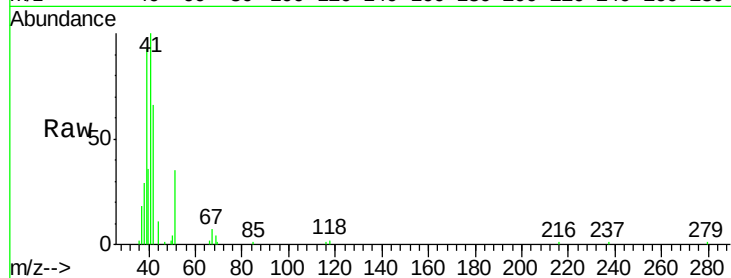
41 100

42 74.9 55.0 82.4

Manual Integrations
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#10

Heptane

Concen: 0.45 ppbv

RT: 8.38 min Scan# 2268

Delta R.T. -0.01 min

Lab File: VL031963.D

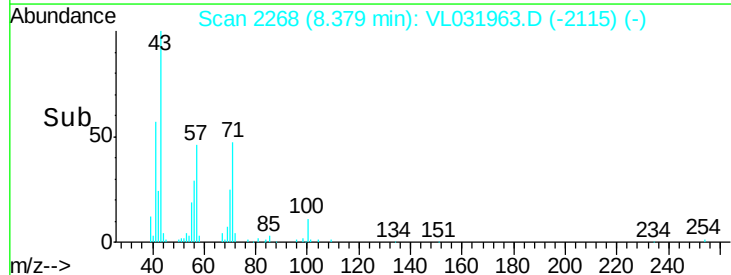
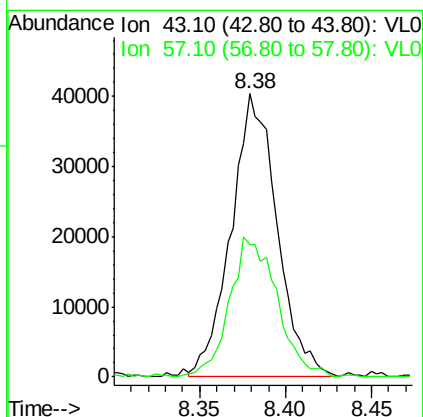
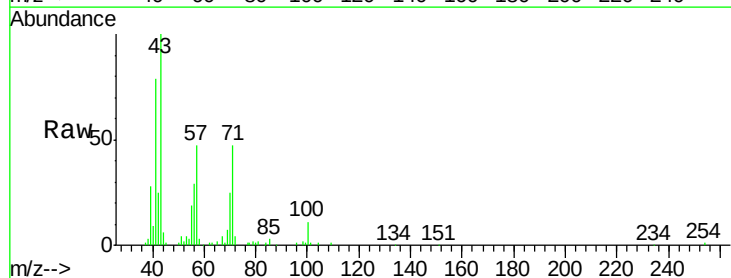
Acq: 3 May 2018 13:22

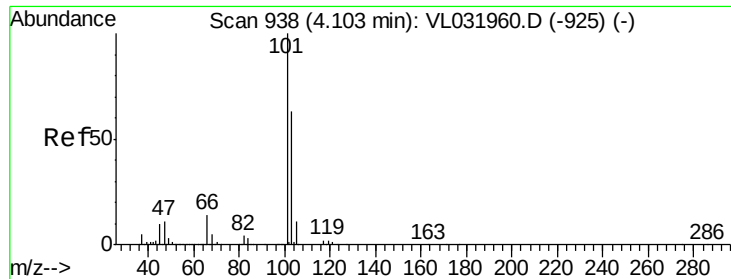
Tgt Ion: 43 Resp: 75137

Ion Ratio Lower Upper

43 100

57 51.5 41.5 62.3





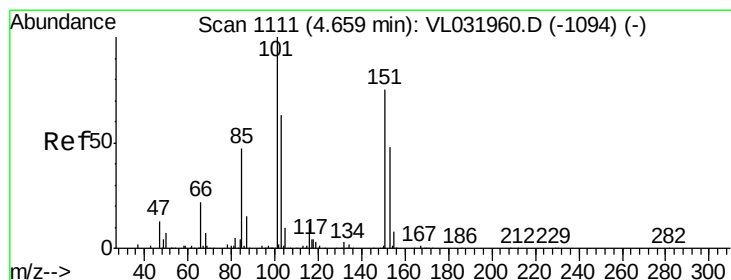
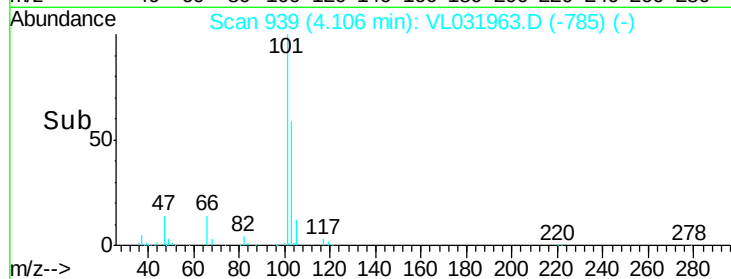
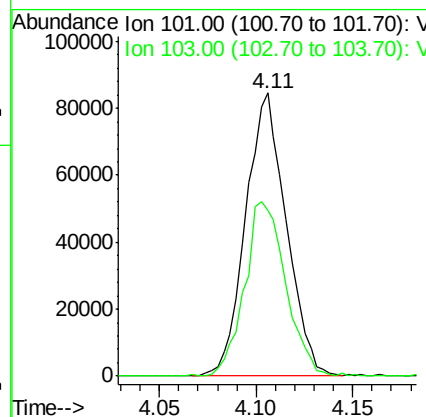
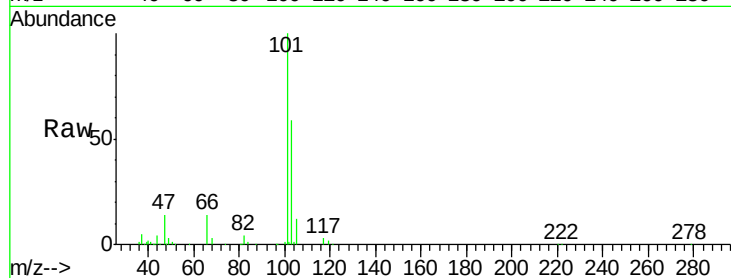
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 Trichlorofluoromethane
 Concen: 0.48 ppbv
 RT: 4.11 min Scan# 939
 Delta R.T. -0.00 min
 Lab File: VL031963.D
 Acq: 3 May 2018 13:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.9	51.8	77.8

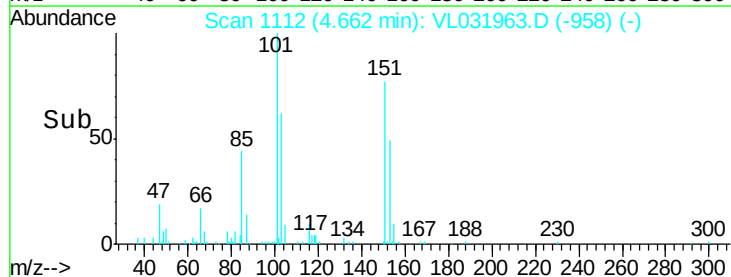
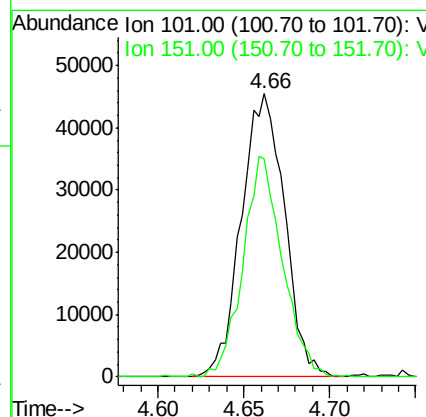
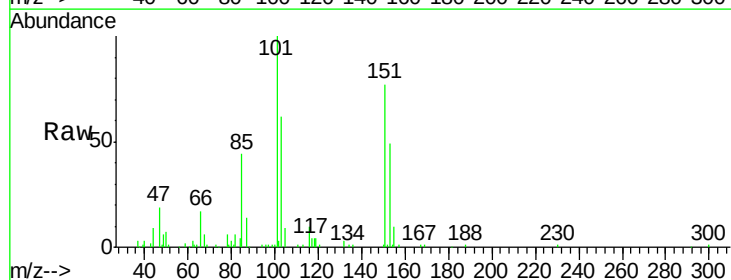
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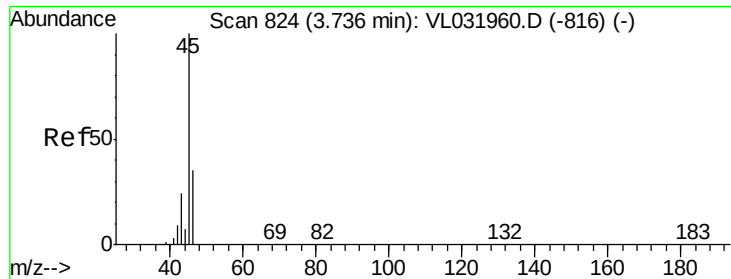
MMDadoda
 5/4/2018 5:00:58 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.47 ppbv
 RT: 4.66 min Scan# 1112
 Delta R.T. -0.00 min
 Lab File: VL031963.D
 Acq: 3 May 2018 13:22

Tgt Ion	Ratio	Lower	Upper
101	100		
151	71.6	57.0	85.6





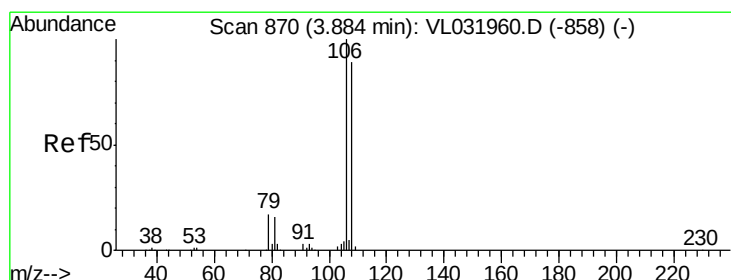
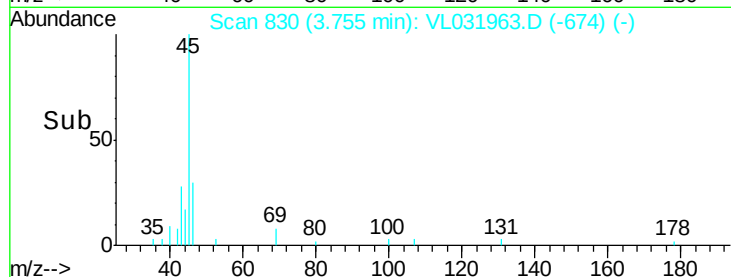
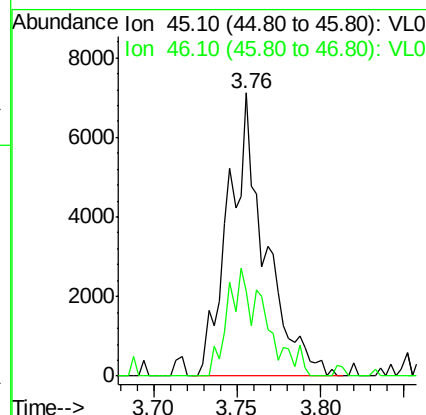
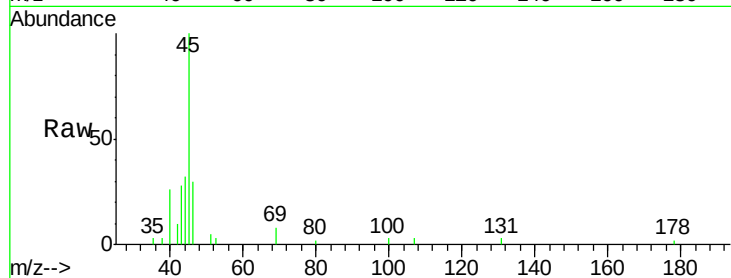
#13
Ethanol
Concen: 0.63 ppbv m
RT: 3.76 min Scan# 830
Delta R.T. 0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	45	46	Ratio	100	0.0	Resp	10920	Lower	Upper
45	100								
46		0.0					14.6		58.6#

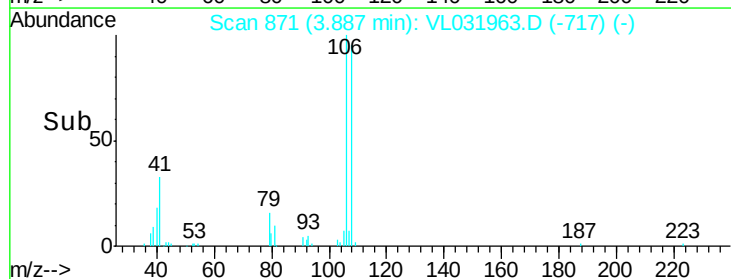
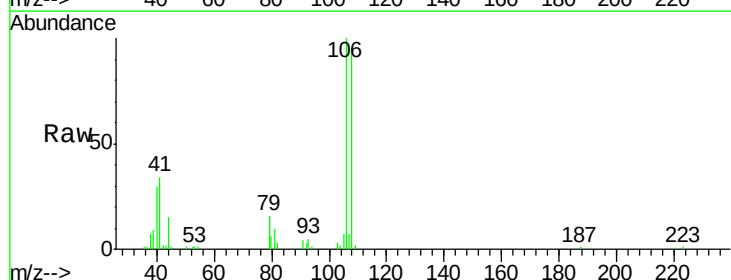
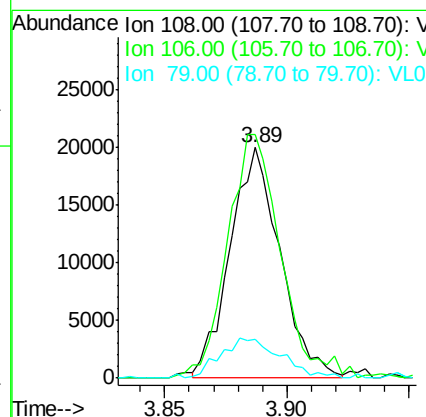
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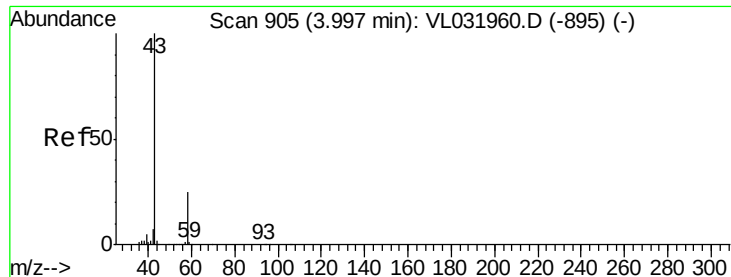
MMDadoda
5/4/2018 5:00:58 PM



#14
Bromoethene
Concen: 0.45 ppbv
RT: 3.89 min Scan# 871
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion	108	106	79	Ratio	100	112.6	21.2	Resp	28530	Lower	Upper
108	100										
106		112.6						86.6			130.0
79			21.2					15.5			23.3





#15

Acetone

Concen: 0.61 ppbv

RT: 4.01 min Scan# 910

Delta R.T. 0.01 min

Lab File: VL031963.D

Acq: 3 May 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 119810

Ion Ratio Lower Upper

43 100

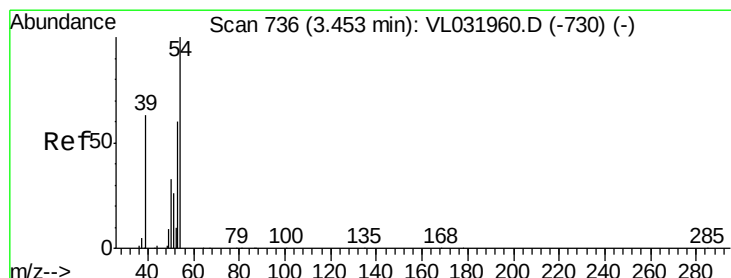
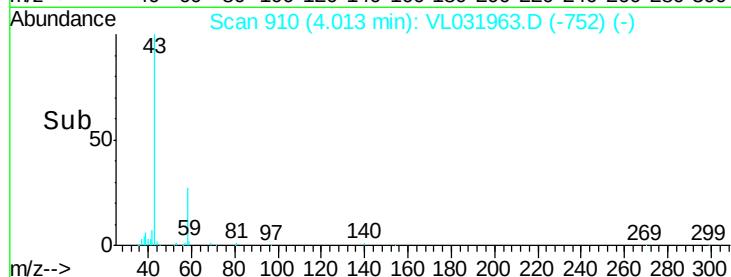
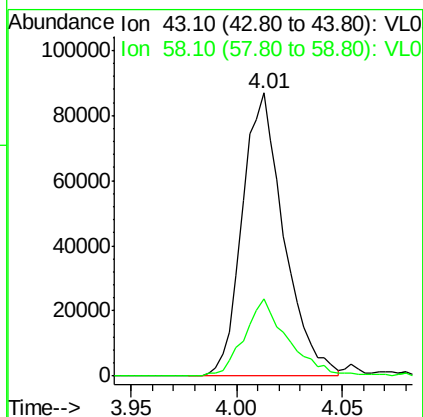
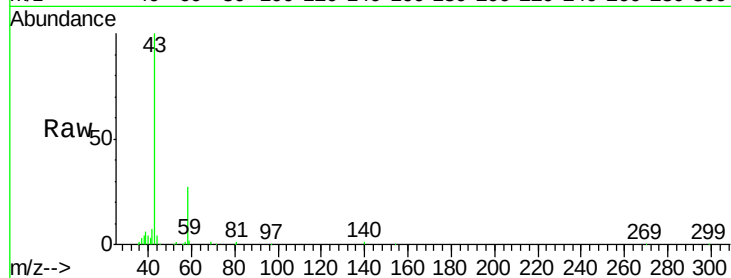
58 29.1 20.9 31.3

Manual Integrations

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#16

1,3-Butadiene

Concen: 0.39 ppbv

RT: 3.45 min Scan# 736

Delta R.T. -0.00 min

Lab File: VL031963.D

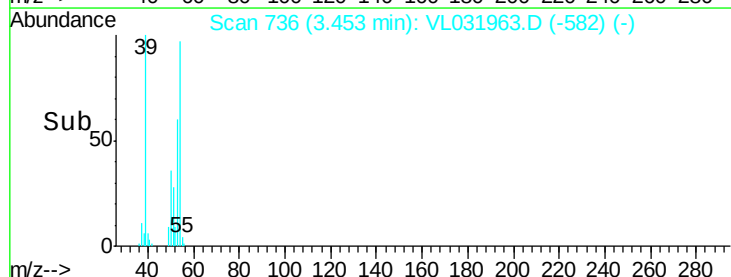
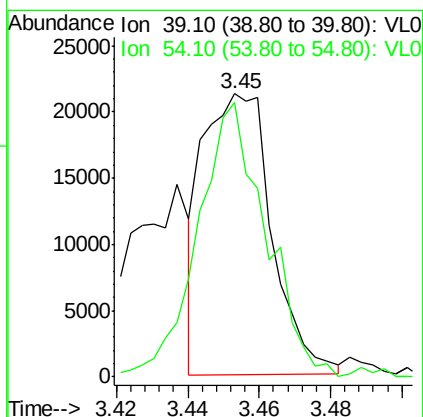
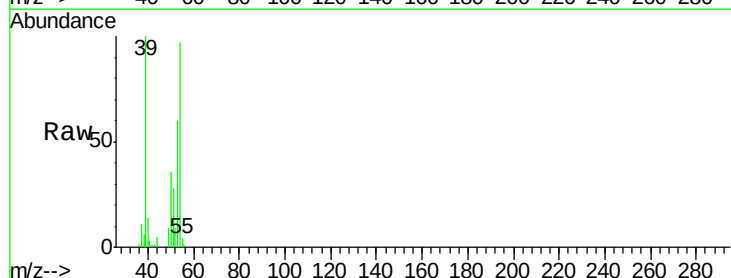
Acq: 3 May 2018 13:22

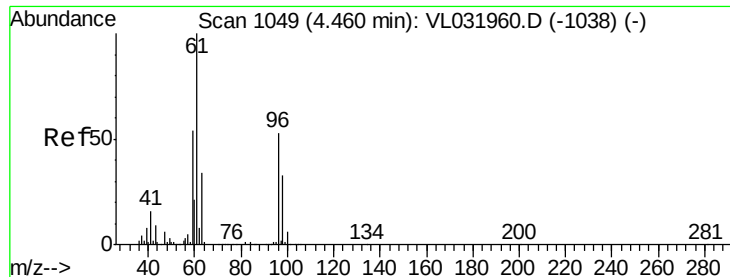
Tgt Ion: 39 Resp: 28465

Ion Ratio Lower Upper

39 100

54 97.9 63.3 94.9#





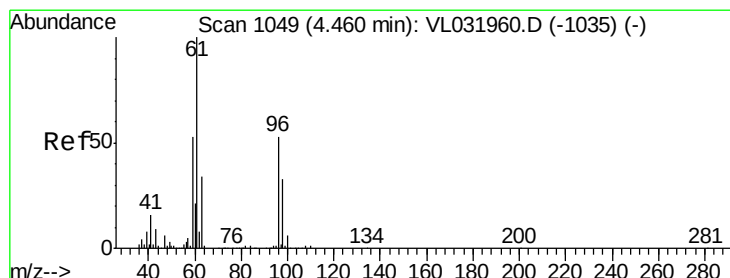
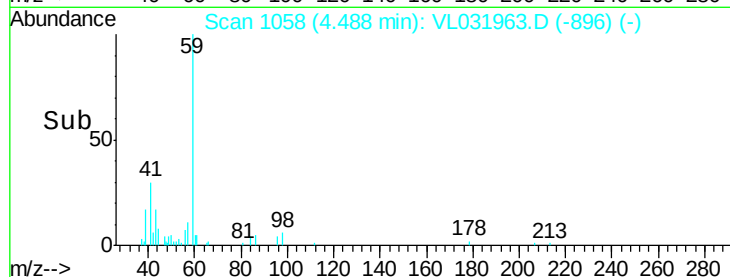
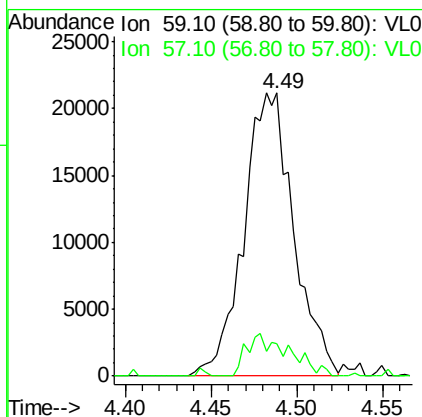
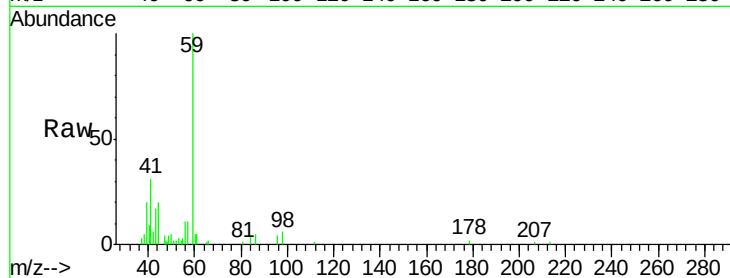
#17
 tert-Butyl alcohol
 Concen: 0.53 ppbv
 RT: 4.49 min Scan# 1058
 Delta R.T. 0.02 min
 Lab File: VL031963.D
 Acq: 3 May 2018 13:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 59 Resp: 42858
 Ion Ratio Lower Upper
 59 100
 57 12.9 8.5 12.7#

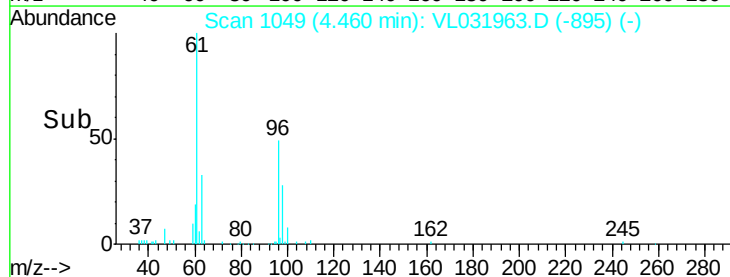
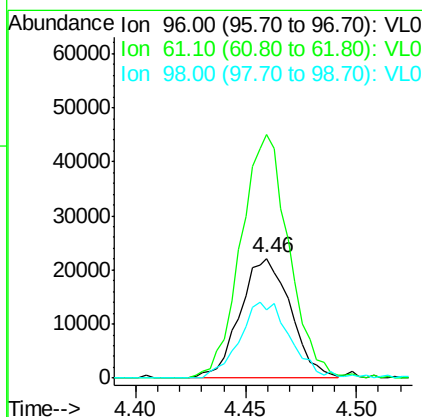
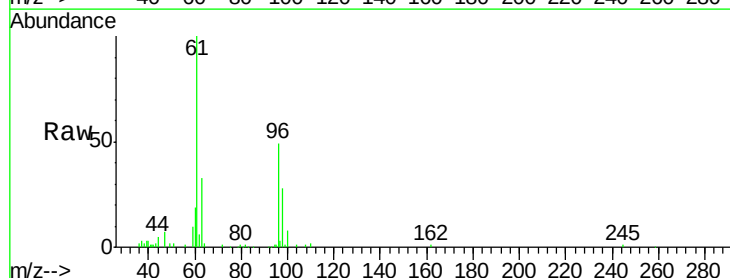
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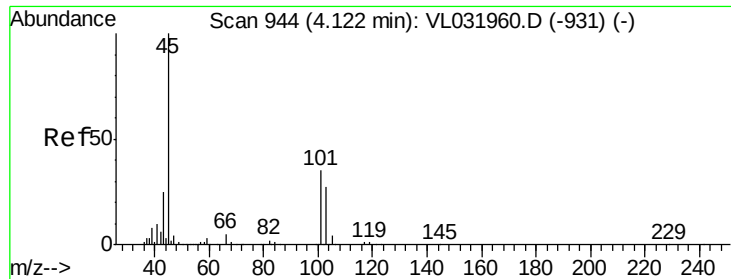
MMDadoda
 5/4/2018 5:00:58 PM



#18
 1,1-Dichloroethene
 Concen: 0.49 ppbv
 RT: 4.46 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VL031963.D
 Acq: 3 May 2018 13:22

Tgt Ion: 96 Resp: 35308
 Ion Ratio Lower Upper
 96 100
 61 203.1 161.0 241.6
 98 57.1 52.7 79.1





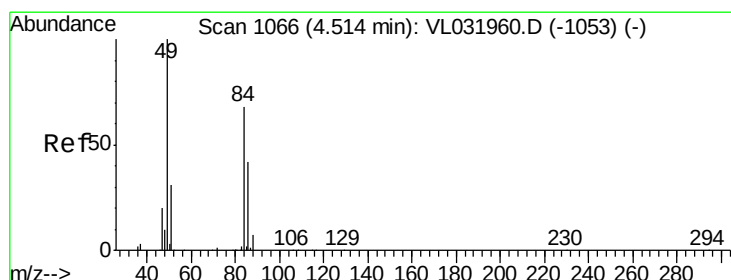
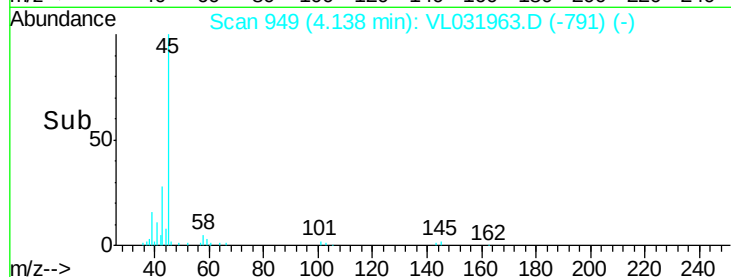
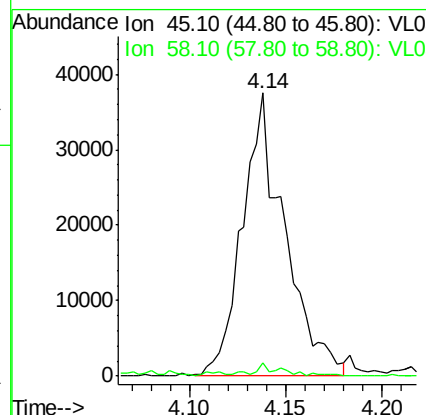
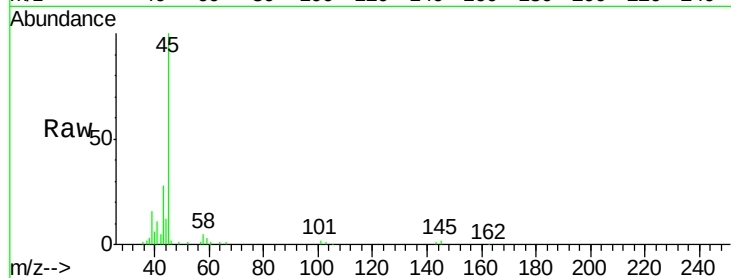
#19
Isopropyl Alcohol
Concen: 0.53 ppbv m
RT: 4.14 min Scan# 949
Delta R.T. 0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 45 Resp: 57441
Ion Ratio Lower Upper
45 100
58 3.8 1.7 2.5#

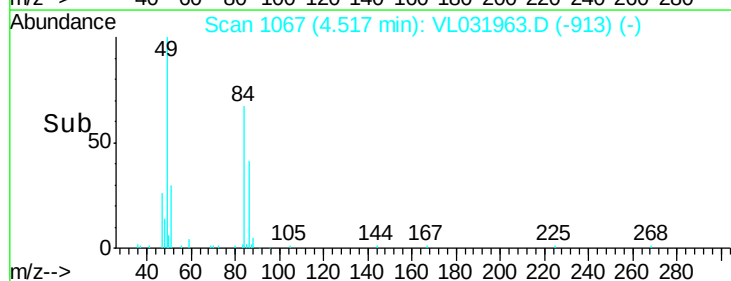
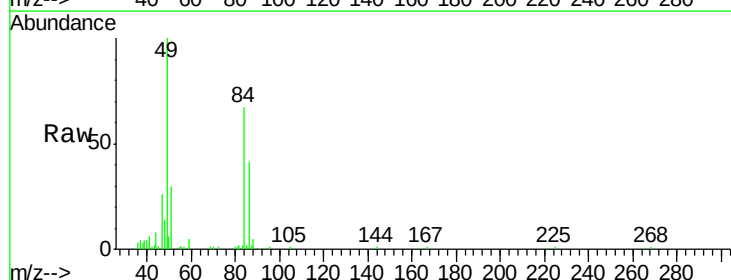
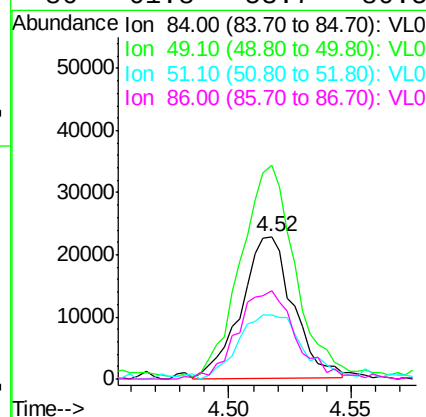
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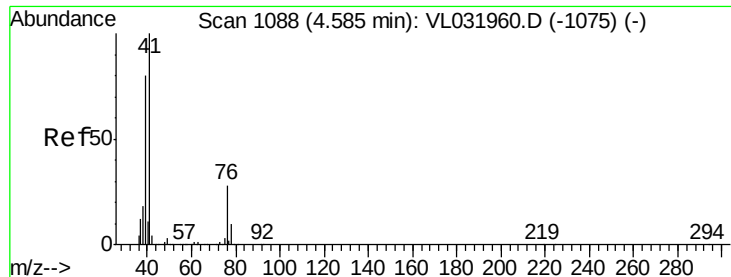
MMDadoda
5/4/2018 5:00:58 PM



#20
Methylene Chloride
Concen: 0.47 ppbv
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion: 84 Resp: 33601
Ion Ratio Lower Upper
84 100
49 149.9 125.6 188.4
51 42.0 36.4 54.6
86 61.8 53.7 80.5





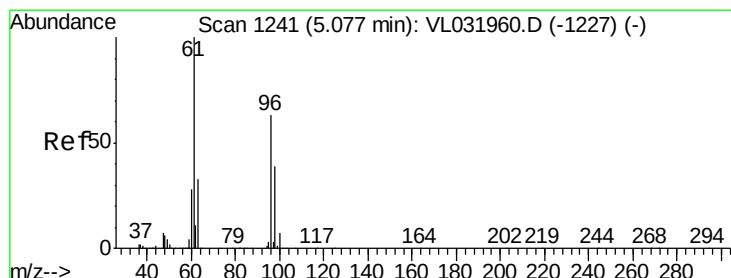
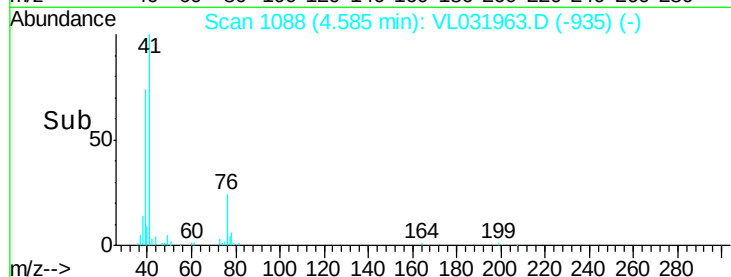
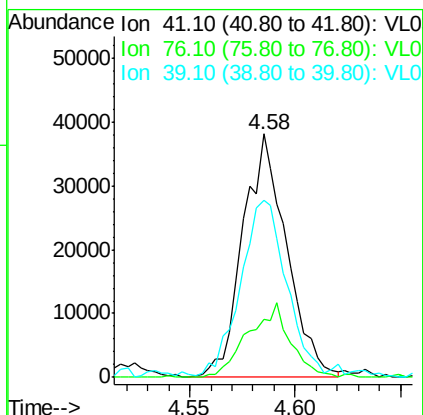
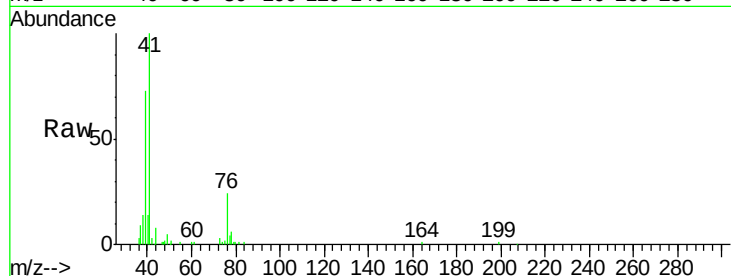
#21
Allvl Chloride
Concen: 0.49 ppbv
RT: 4.58 min Scan# 1088
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.8	23.4	35.2
39	81.7	67.6	101.4

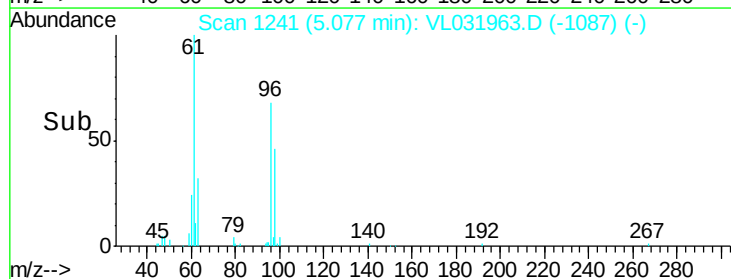
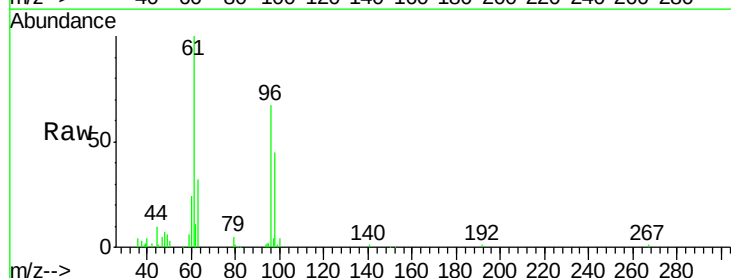
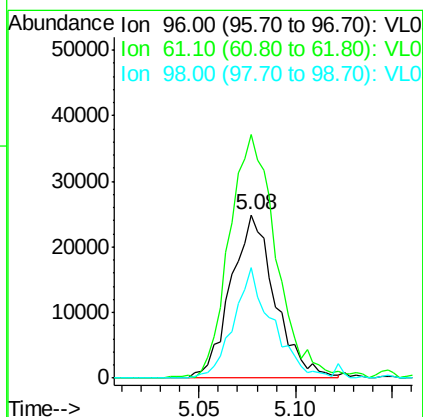
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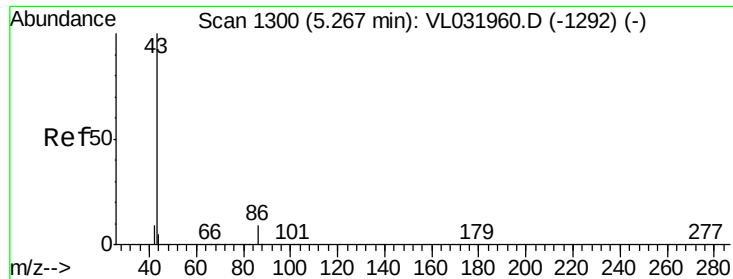
MMDadoda
5/4/2018 5:00:58 PM



#22
trans-1,2-Dichloroethene
Concen: 0.53 ppbv
RT: 5.08 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.6	131.1	196.7
98	67.4	47.6	71.4





#23

Vinyl Acetate

Concen: 0.50 ppbv

RT: 5.27 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VL031963.D

Acq: 3 May 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 98226

Ion Ratio Lower Upper

43 100

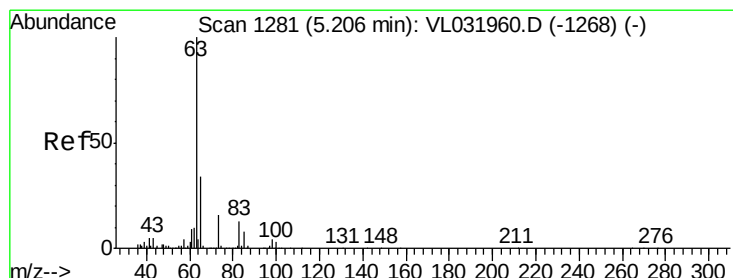
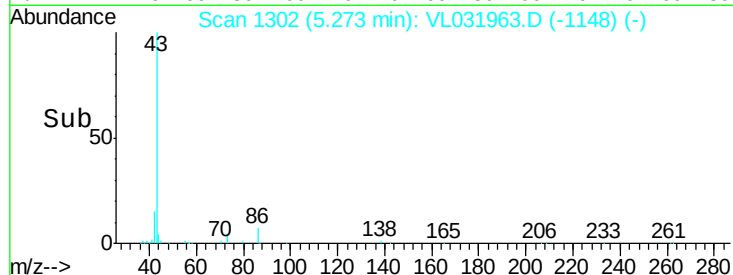
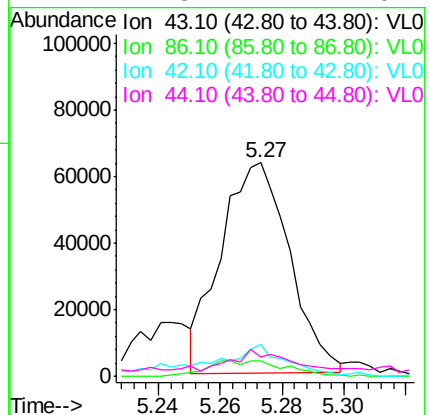
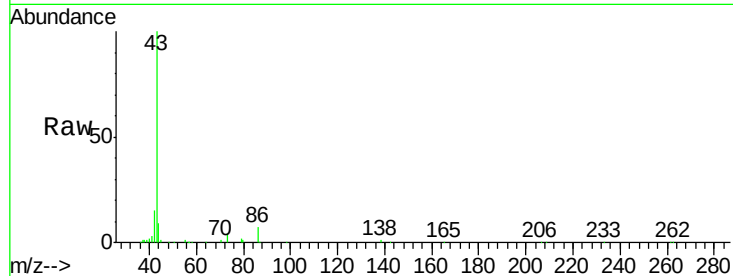
86 6.9 5.8 8.8

42 15.1 8.5 12.7#

44 4.8 4.2 6.4

Manual Integrations
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5/4/2018 5:00:58 PM



#24

1,1-Dichloroethane

Concen: 0.56 ppbv

RT: 5.21 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VL031963.D

Acq: 3 May 2018 13:22

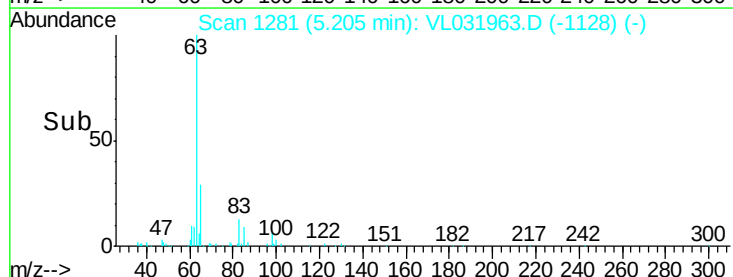
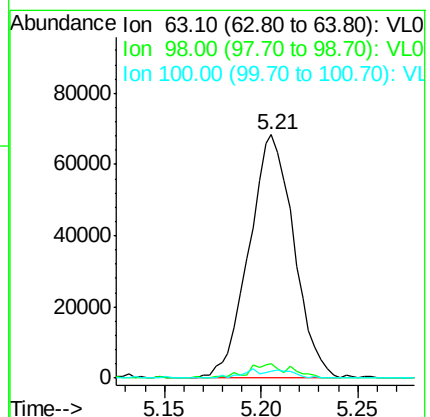
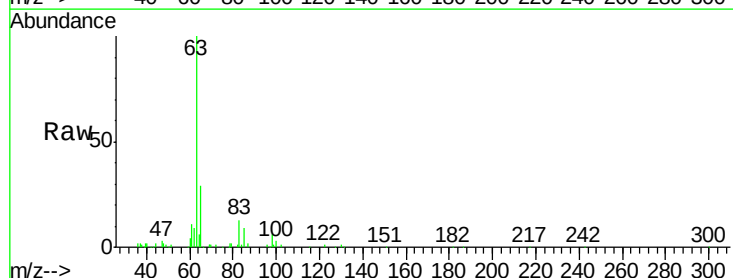
Tgt Ion: 63 Resp: 110196

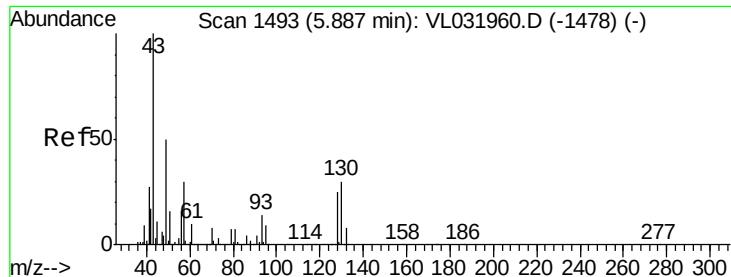
Ion Ratio Lower Upper

63 100

98 6.0 2.4 7.2

100 2.7 1.5 4.4





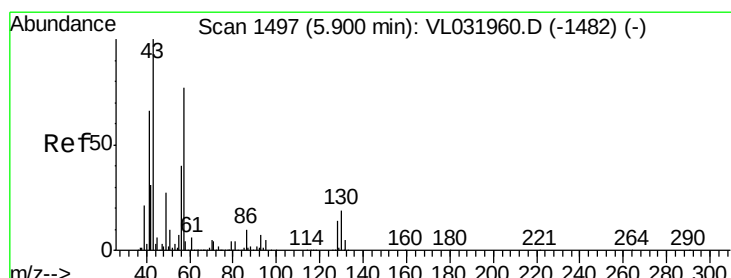
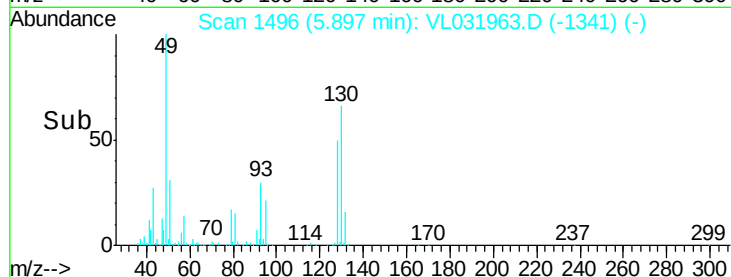
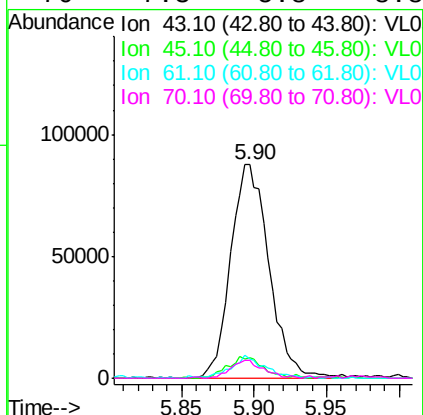
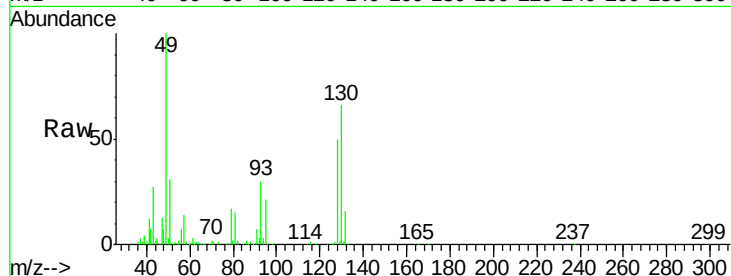
#25
Ethyl Acetate
Concen: 0.53 ppbv
RT: 5.90 min Scan# 1496
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampled :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.8
61	9.7	7.2	10.8
70	7.3	5.8	8.8

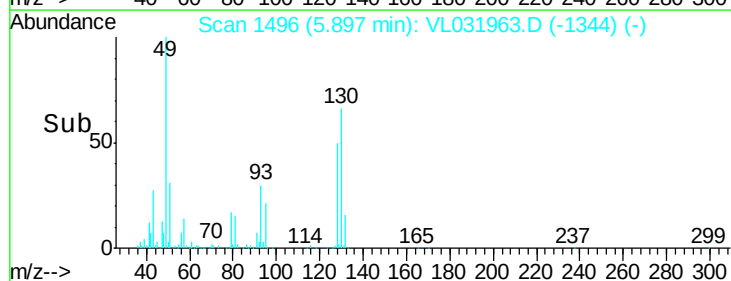
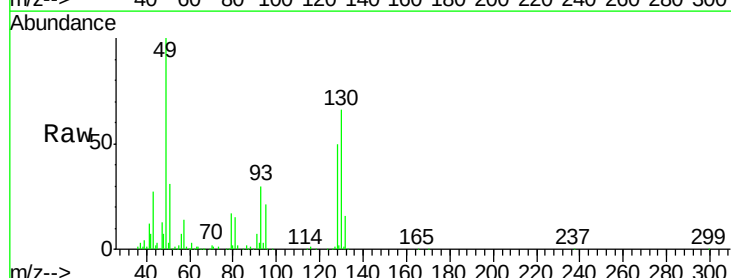
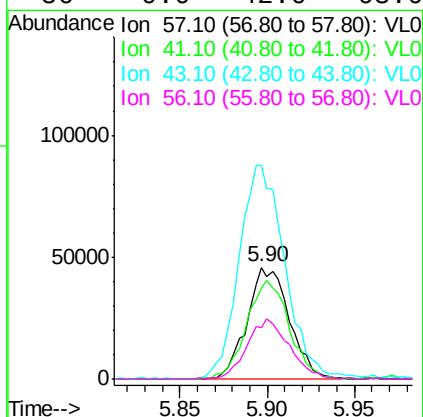
Manual Integrations
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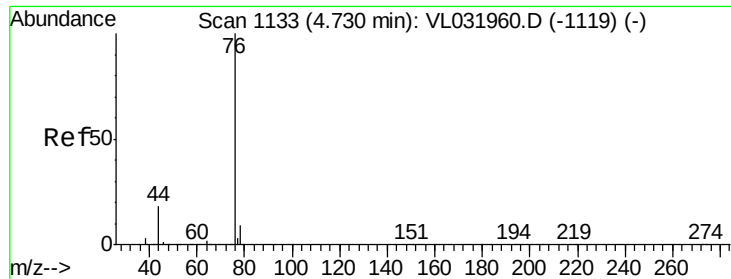
MMDadoda
5/4/2018 5:00:58 PM



#26
Hexane
Concen: 0.54 ppbv m
RT: 5.90 min Scan# 1496
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion	Ratio	Lower	Upper
57	100		
41	0.0	72.0	108.0#
43	209.0	169.8	254.8
56	0.0	42.0	63.0#





#27

Carbon Disulfide

Concen: 0.41 ppbv

RT: 4.74 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VL031963.D

Acq: 3 May 2018 13:22

Instrument :

MSVOA_L

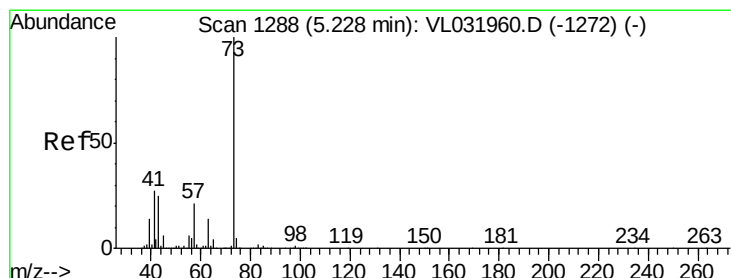
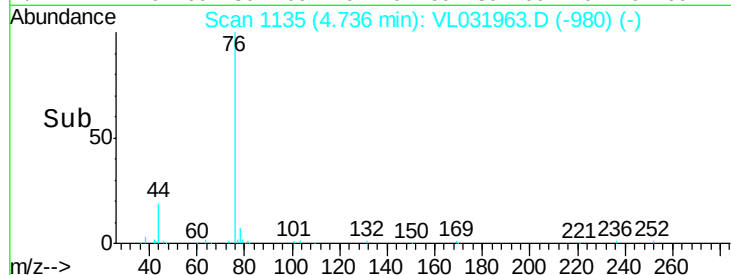
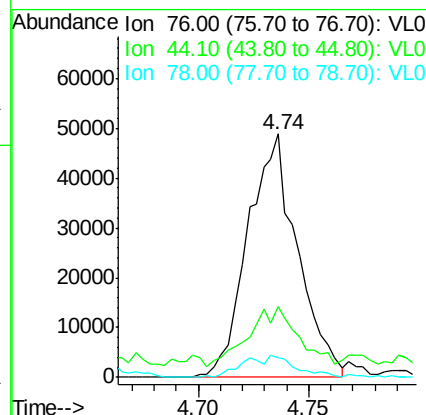
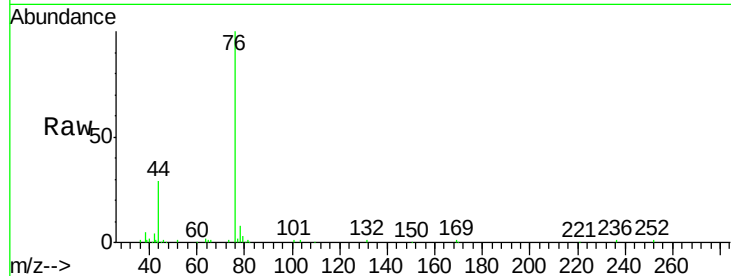
ClientSampleId :

VSTDIC0.5

Tot Ion:	76	Resp:	76164
Ion	Ratio	Lower	Upper
76	100		
44	31.0	15.6	23.4#
78	10.0	7.6	11.4

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#28

Methyl tert-Butyl Ether

Concen: 0.51 ppbv

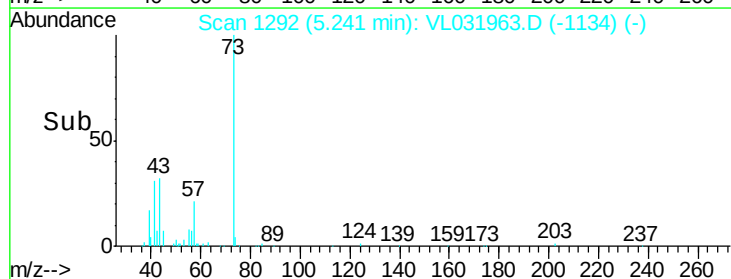
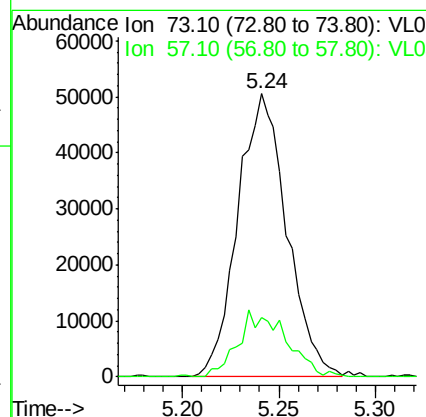
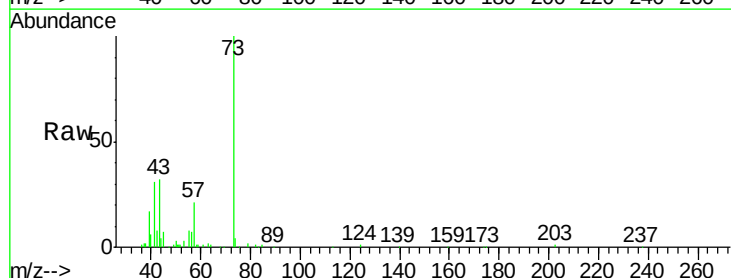
RT: 5.24 min Scan# 1292

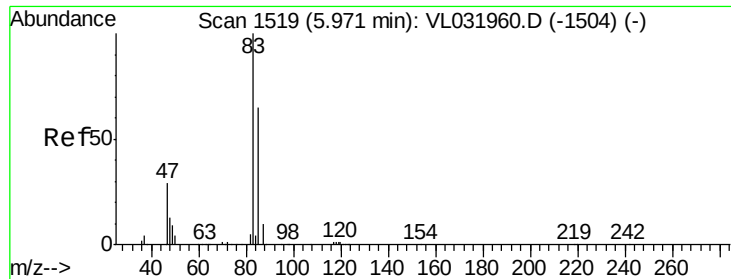
Delta R.T. 0.01 min

Lab File: VL031963.D

Acq: 3 May 2018 13:22

Tgt Ion:	73	Resp:	89107
Ion	Ratio	Lower	Upper
73	100		
57	23.1	17.6	26.4





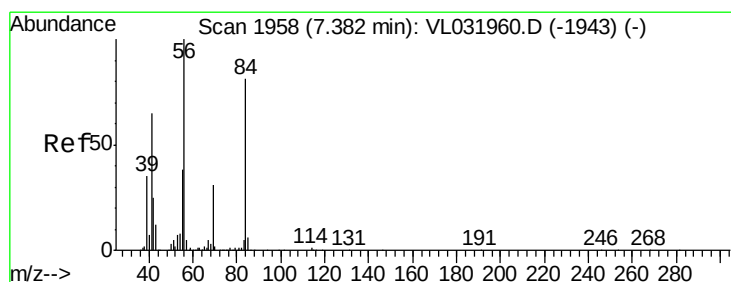
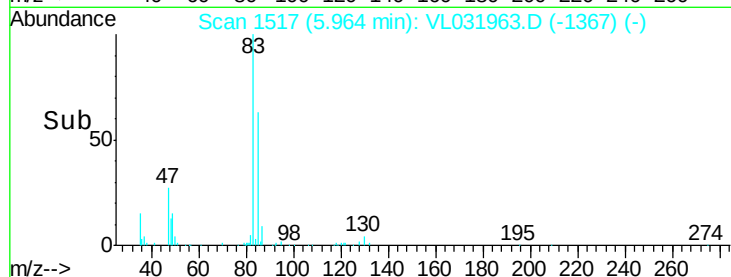
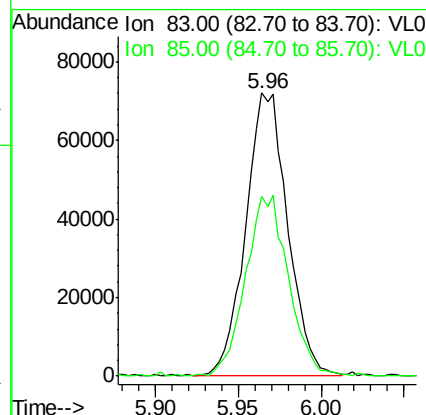
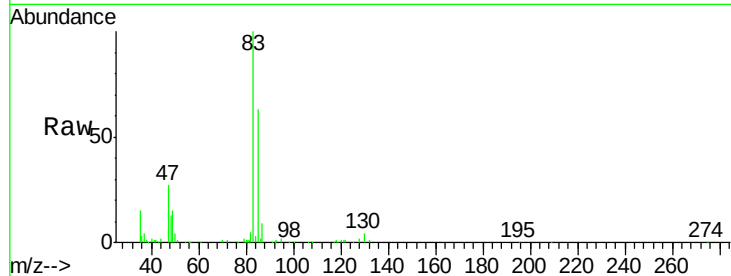
#29
Chloroform
Concen: 0.52 ppbv
RT: 5.96 min Scan# 1517
Delta R.T. -0.02 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	83	Resp	126235
Ion Ratio	Lower	Upper	
83	100		
85	63.4	51.4	77.0

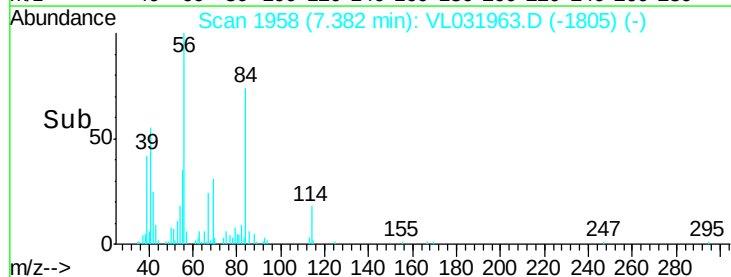
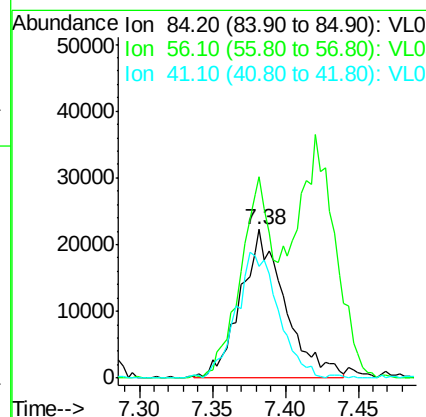
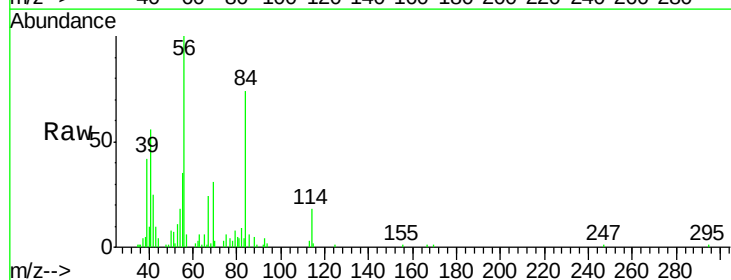
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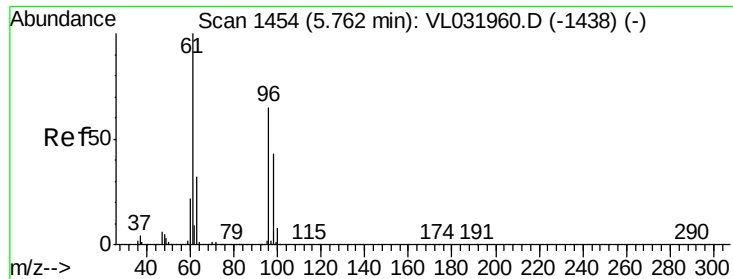
MMDadoda
5/4/2018 5:00:58 PM



#30
Cyclohexane
Concen: 0.47 ppbv m
RT: 7.38 min Scan# 1958
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion	84	Resp	47250
Ion Ratio	Lower	Upper	
84	100		
56	105.2	107.7	161.5#
41	80.9	68.2	102.2





#31

cis-1,2-Dichloroethene

Concen: 0.50 ppbv

RT: 5.76 min Scan# 1452

Delta R.T. -0.01 min

Lab File: VL031963.D

Acq: 3 May 2018 13:22

Instrument :

MSVOA_L

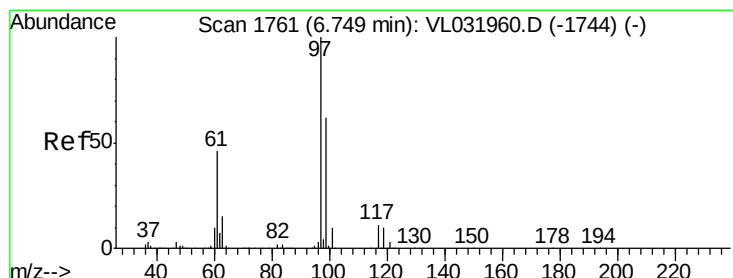
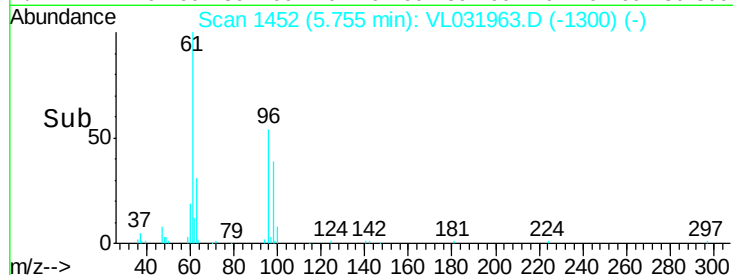
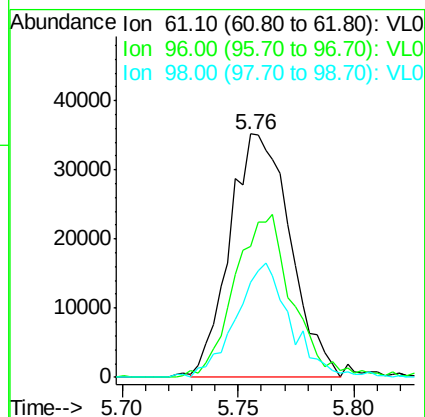
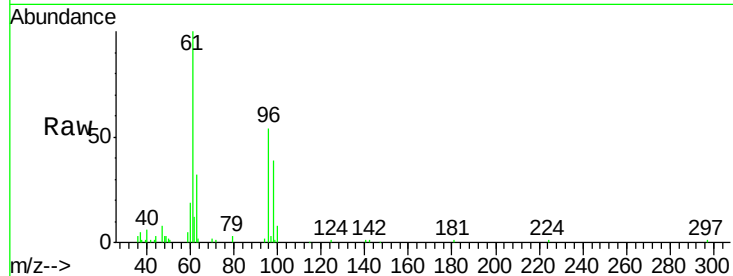
ClientSampleId :

VSTDIC0.5

Tot Ion:	61	Resp:	63896
Ion	Ratio	Lower	Upper
61	100		
96	50.9	47.6	71.4
98	38.8	30.3	45.5

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5/4/2018 5:00:58 PM



#32

1,1,1-Trichloroethane

Concen: 0.44 ppbv

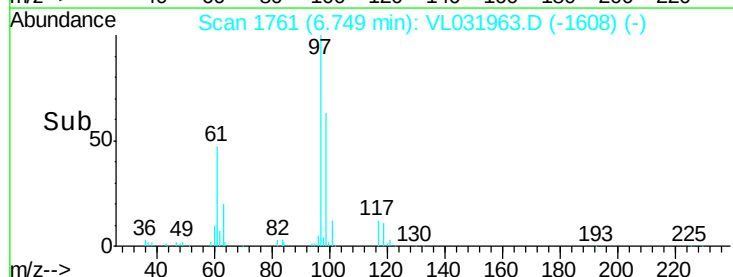
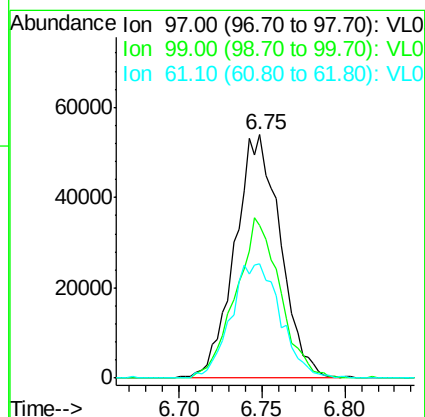
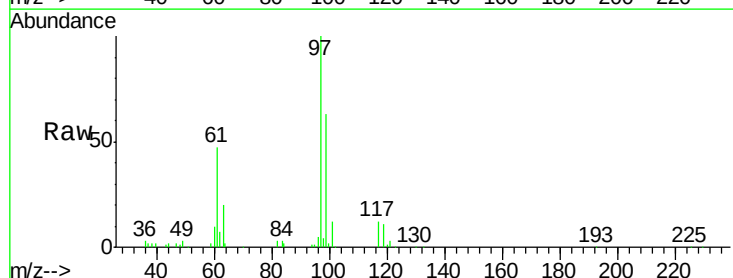
RT: 6.75 min Scan# 1761

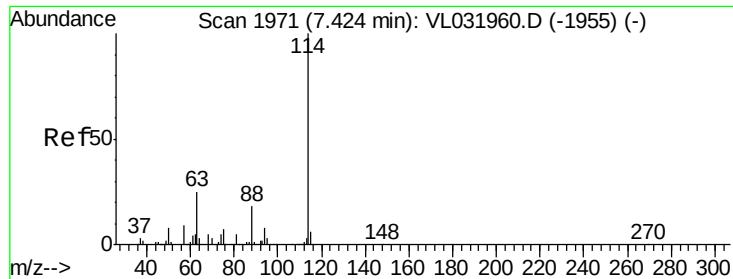
Delta R.T. -0.01 min

Lab File: VL031963.D

Acq: 3 May 2018 13:22

Tgt Ion:	97	Resp:	102716
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.5	77.3
61	51.6	40.0	60.0





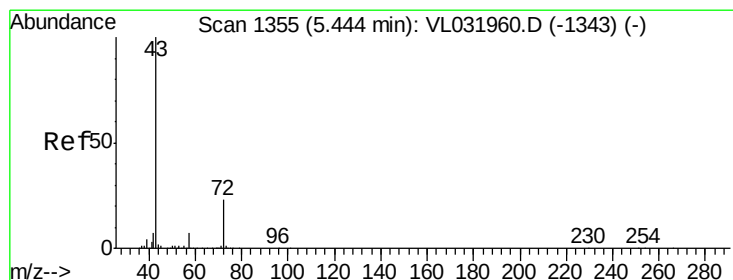
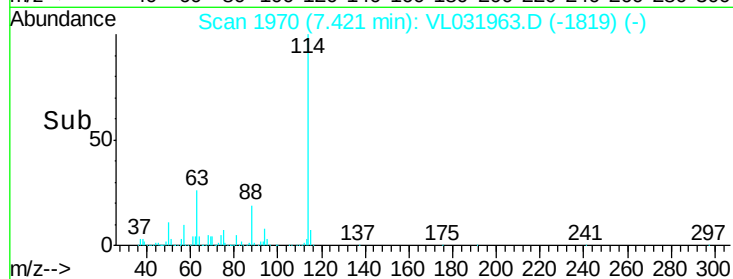
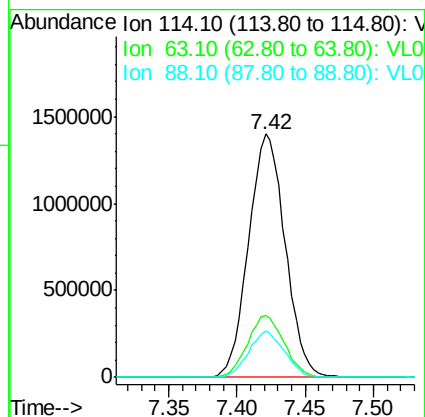
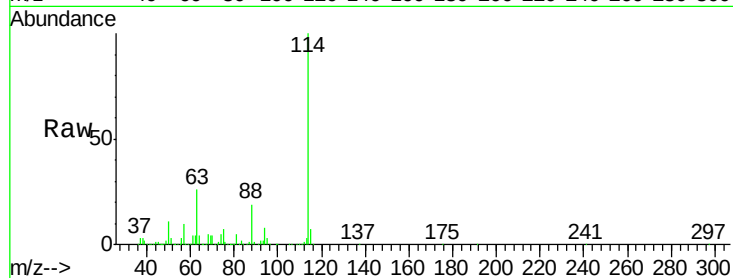
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.42 min Scan# 1970
 Delta R.T. -0.01 min
 Lab File: VL031963.D
 Acq: 3 May 2018 13:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.7	21.8	32.6
88	18.6	14.6	22.0

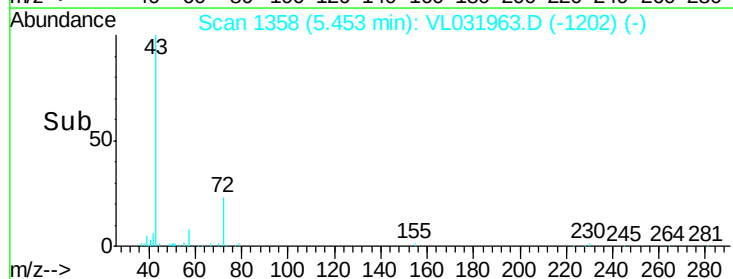
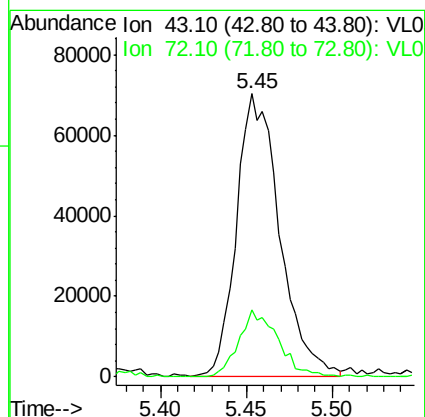
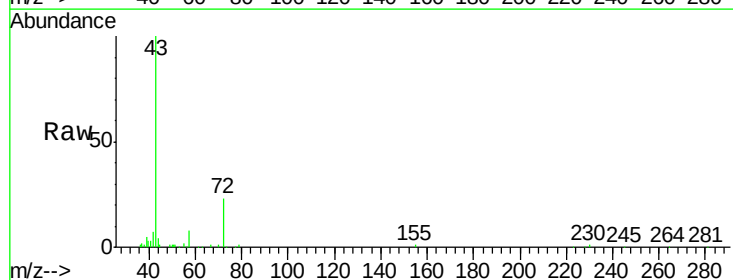
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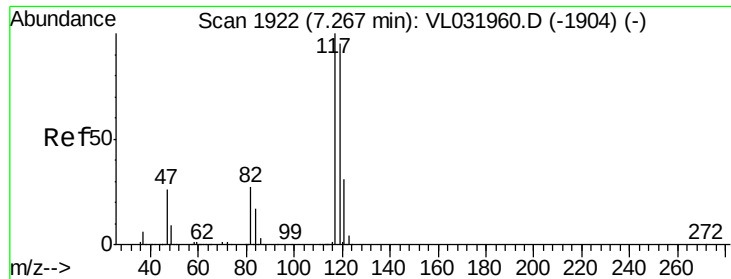
MMDadoda
 5/4/2018 5:00:58 PM



#34
 2-Butanone
 Concen: 0.68 ppbv
 RT: 5.45 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VL031963.D
 Acq: 3 May 2018 13:22

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.3	18.6	27.8





#35

Carbon Tetrachloride

Concen: 0.45 ppbv

RT: 7.27 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VL031963.D

Acq: 3 May 2018 13:22

Instrument :

MSVOA_L

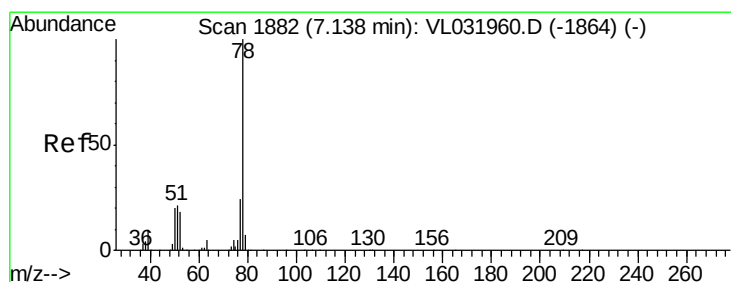
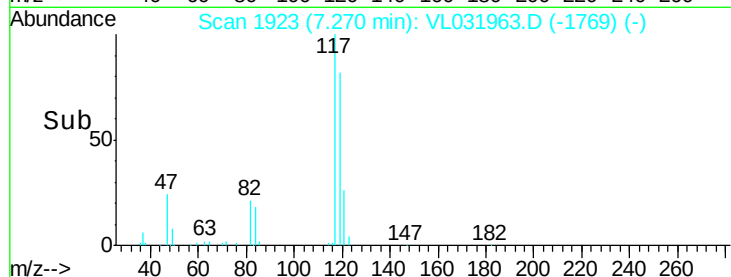
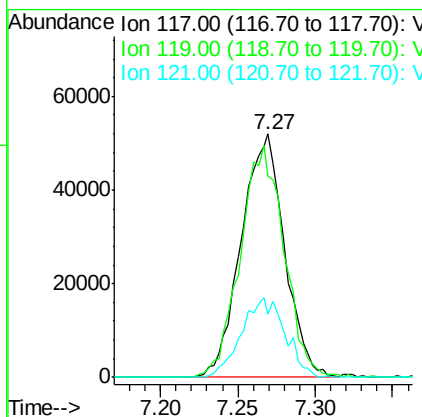
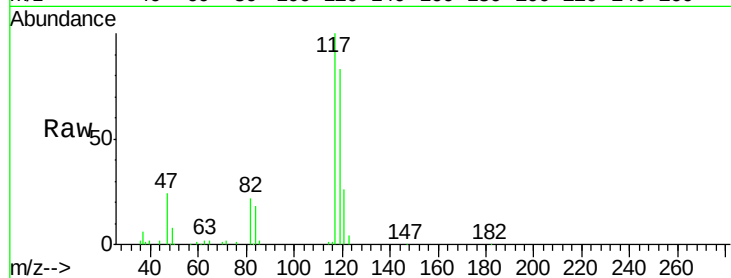
ClientSampleId :

VSTDIC0.5

Tot Ion:	117	Resp:	101258
Ion Ratio	Lower	Upper	
117	100		
119	82.8	76.9	115.3
121	25.8	24.5	36.7

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5/4/2018 5:00:58 PM



#36

Benzene

Concen: 0.51 ppbv

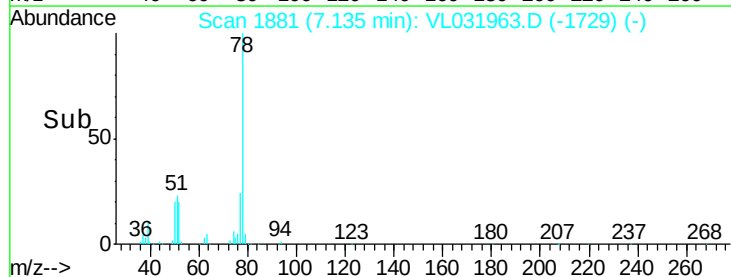
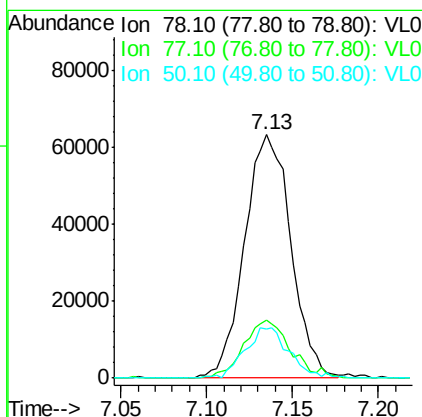
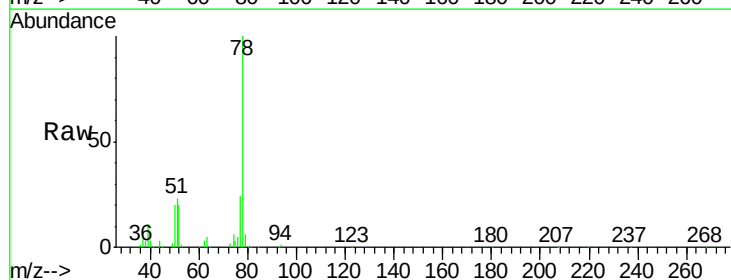
RT: 7.13 min Scan# 1881

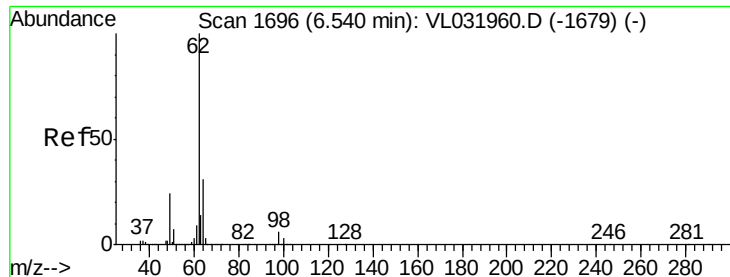
Delta R.T. -0.01 min

Lab File: VL031963.D

Acq: 3 May 2018 13:22

Tgt Ion:	78	Resp:	118420
Ion Ratio	Lower	Upper	
78	100		
77	23.9	19.2	28.8
50	20.4	16.7	25.1





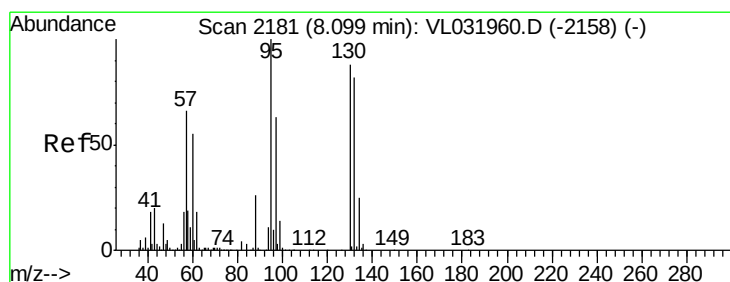
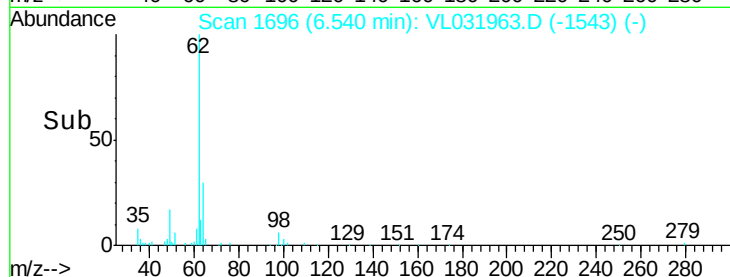
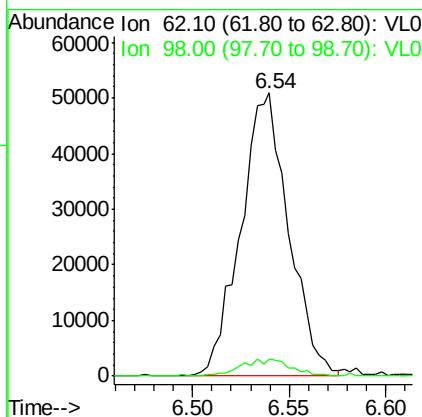
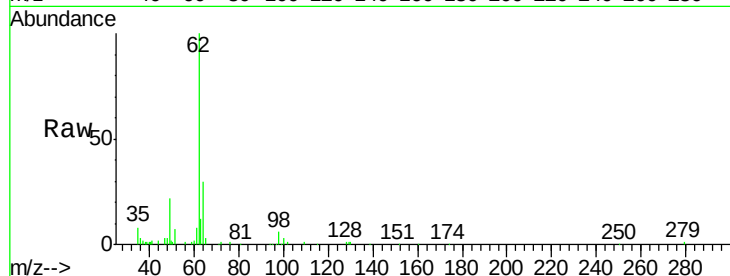
#37
 1,2-Dichloroethane
 Concen: 0.51 ppbv
 RT: 6.54 min Scan# 1696
 Delta R.T. -0.01 min
 Lab File: VL031963.D
 Acq: 3 May 2018 13:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.3	4.0	6.0#

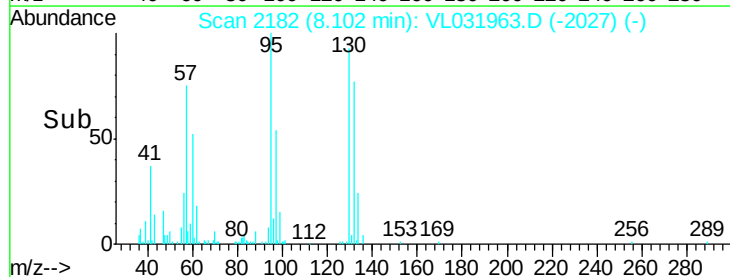
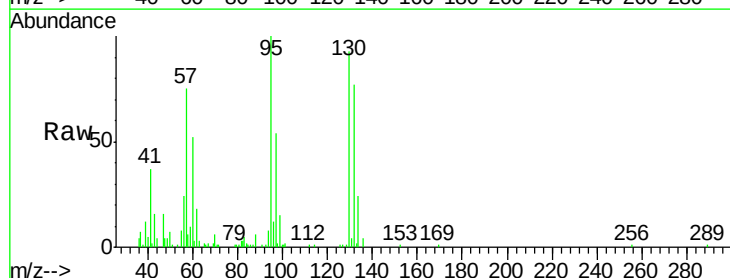
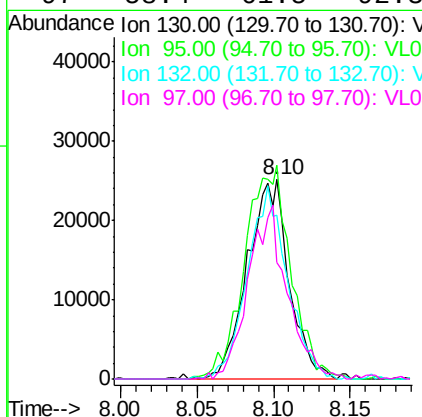
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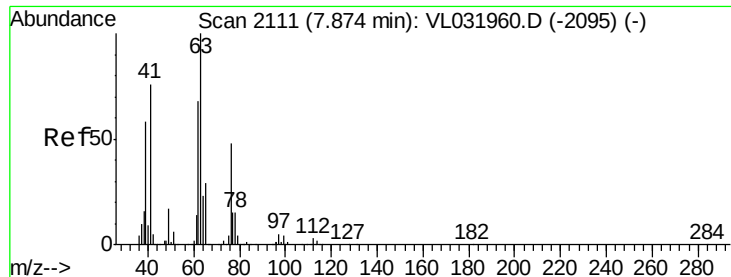
MMDadoda
 5/4/2018 5:00:58 PM



#38
 Trichloroethene
 Concen: 0.50 ppbv m
 RT: 8.10 min Scan# 2182
 Delta R.T. -0.00 min
 Lab File: VL031963.D
 Acq: 3 May 2018 13:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.3	96.6	144.8
132	82.6	79.1	118.7
97	58.4	61.5	92.3#





#39

1,2-Dichloropropane

Concen: 0.52 ppbv m

RT: 7.87 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VL031963.D

Acq: 3 May 2018 13:22

Instrument :

MSVOA_L

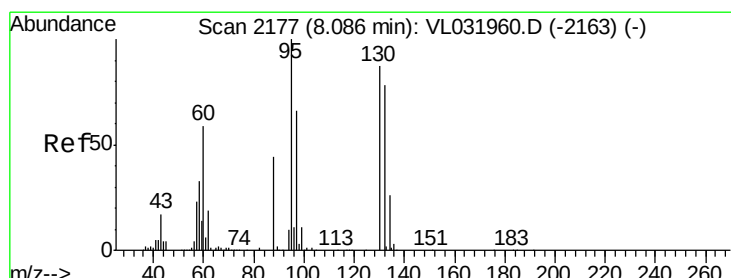
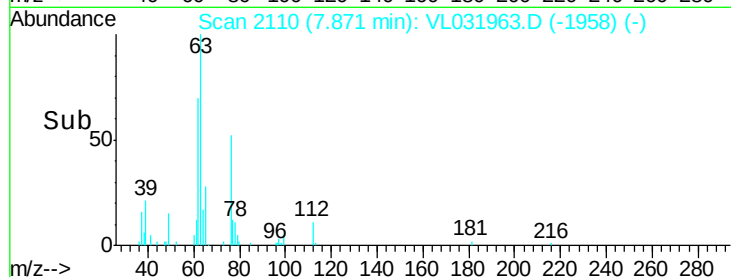
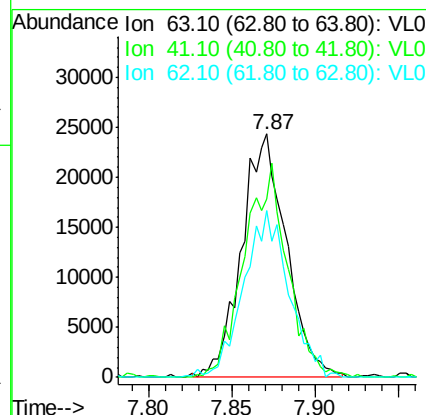
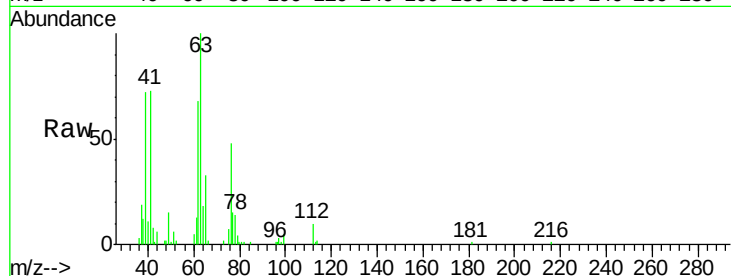
ClientSampleId :

VSTDIC0.5

Tot Ion:	63	Resp:	45310
Ion	Ratio	Lower	Upper
63	100		
41	73.4	65.8	98.6
62	68.3	55.0	82.6

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#40

1,4-Dioxane

Concen: 0.61 ppbv m

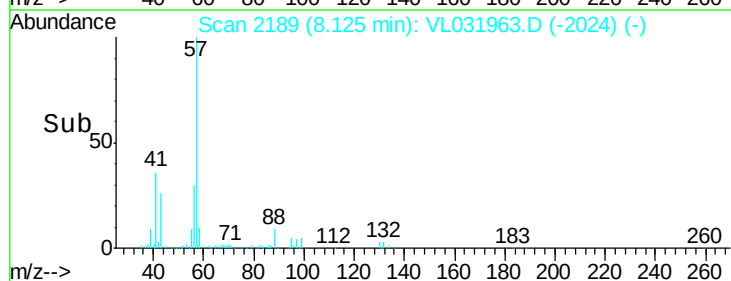
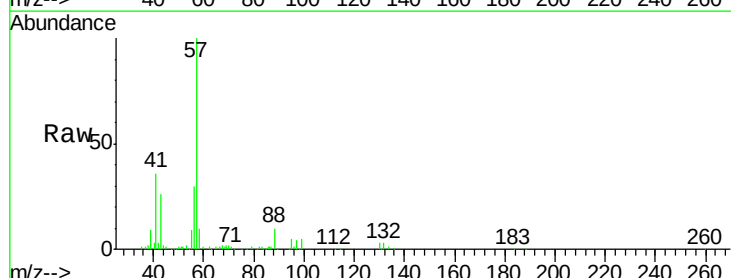
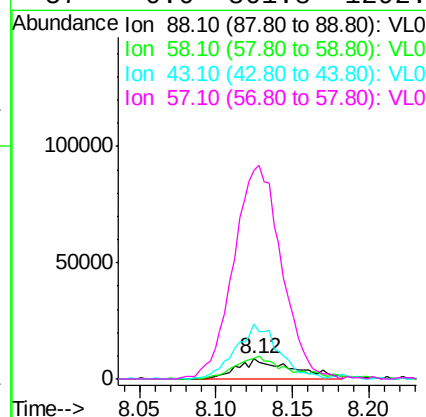
RT: 8.12 min Scan# 2189

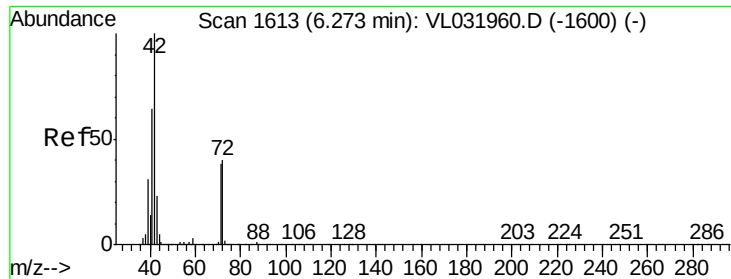
Delta R.T. 0.03 min

Lab File: VL031963.D

Acq: 3 May 2018 13:22

Tgt Ion:	88	Resp:	21728
Ion	Ratio	Lower	Upper
88	100		
58	0.0	98.5	147.7#
43	0.0	194.3	291.5#
57	0.0	861.8	1292.6#





#41

Tetrahydrofuran

Concen: 0.50 ppbv m

RT: 6.30 min Scan# 1620

Delta R.T. 0.02 min

Lab File: VL031963.D

Acq: 3 May 2018 13:22

Instrument :

MSVOA_L

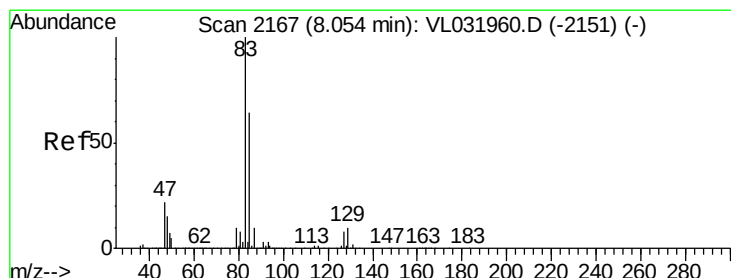
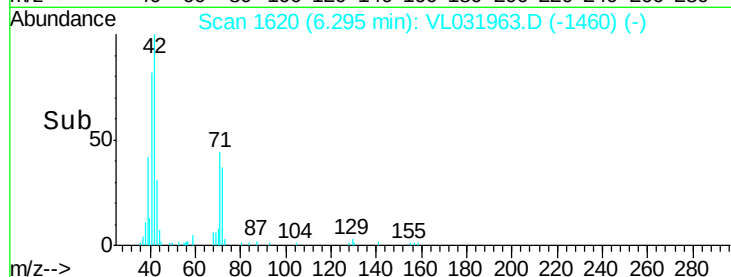
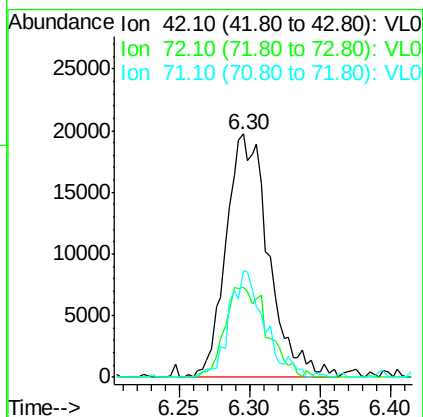
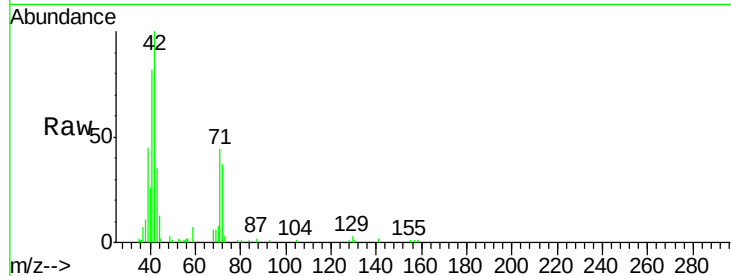
ClientSampleId :

VSTDIC0.5

Tot Ion:	42	Resp:	41634
Ion	Ratio	Lower	Upper
42	100		
72	37.1	33.2	49.8
71	36.9	31.5	47.3

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#42

Bromodichloromethane

Concen: 0.49 ppbv

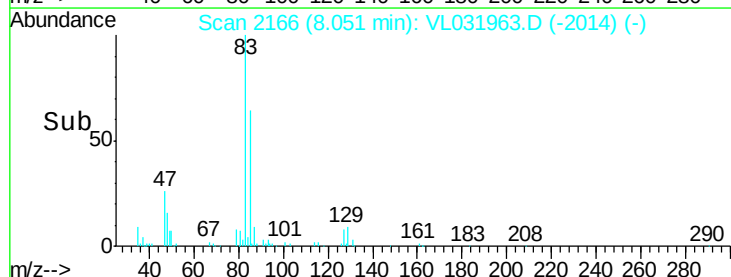
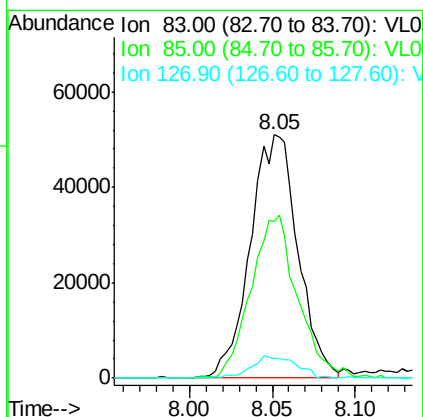
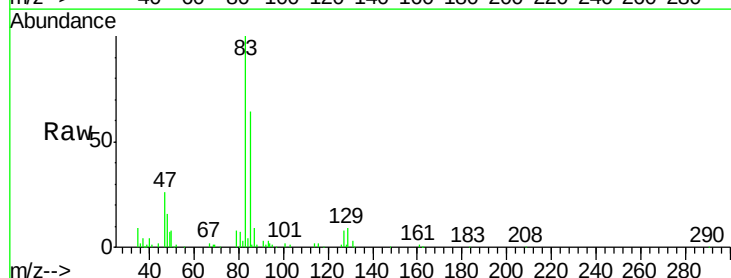
RT: 8.05 min Scan# 2166

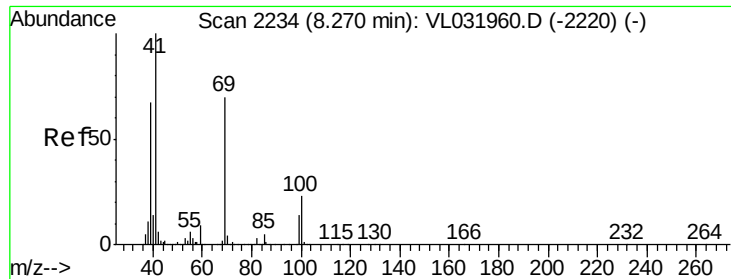
Delta R.T. -0.01 min

Lab File: VL031963.D

Acq: 3 May 2018 13:22

Tgt Ion:	83	Resp:	102241
Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.5	75.7
127	8.0	6.0	9.0





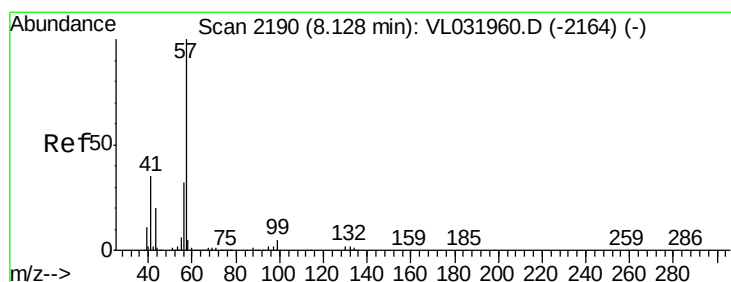
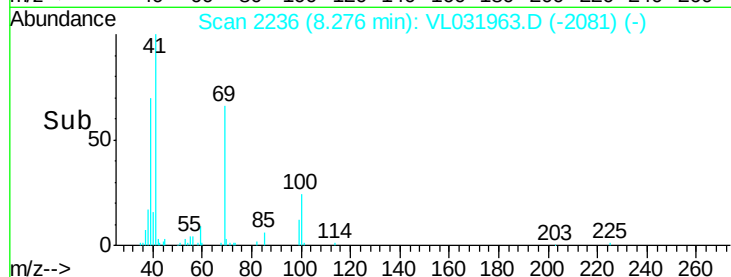
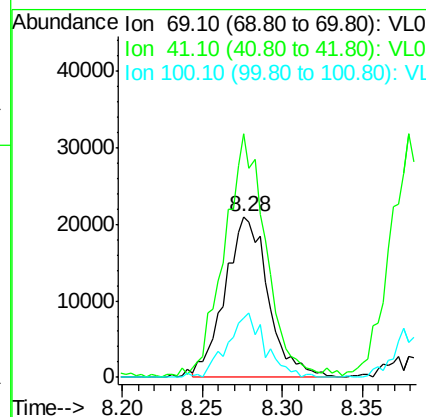
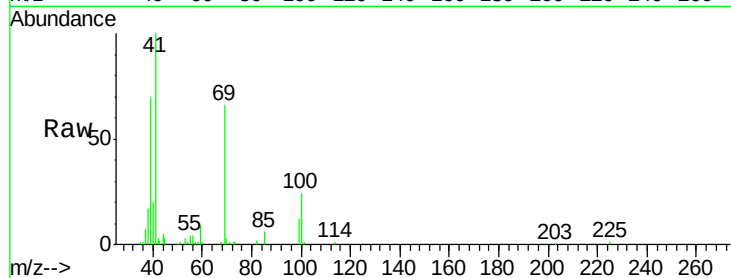
#43
Methyl Methacrylate
Concen: 0.47 ppbv
RT: 8.28 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	147.7	117.8	176.8	
100	35.5	24.6	37.0	

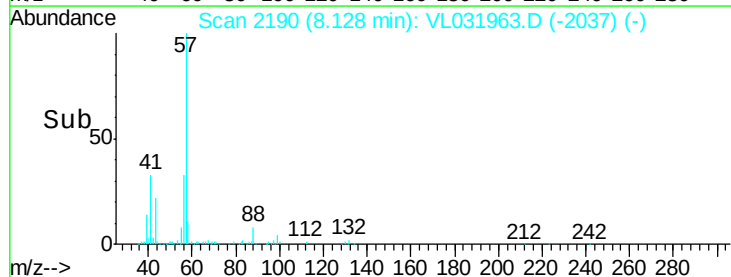
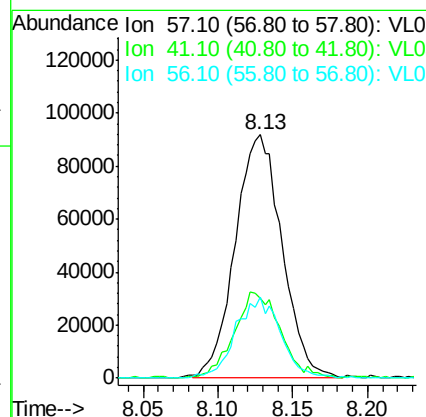
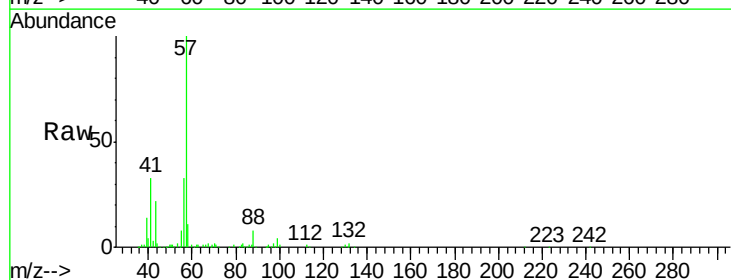
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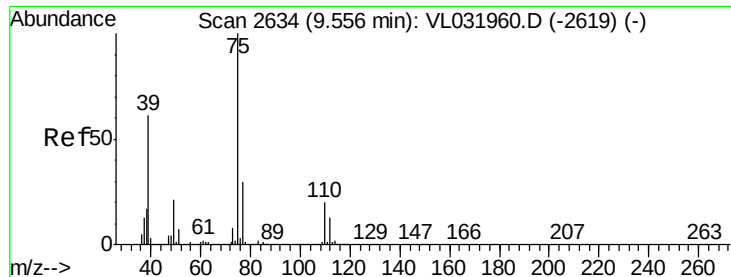
MMDadoda
5/4/2018 5:00:58 PM



#44
2,2,4-Trimethylpentane
Concen: 0.50 ppbv
RT: 8.13 min Scan# 2190
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	35.7	27.0	40.6	
56	31.9	24.1	36.1	





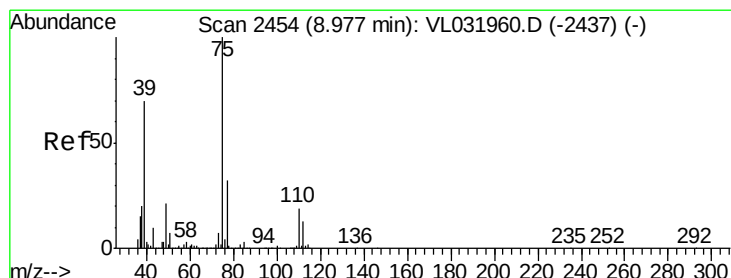
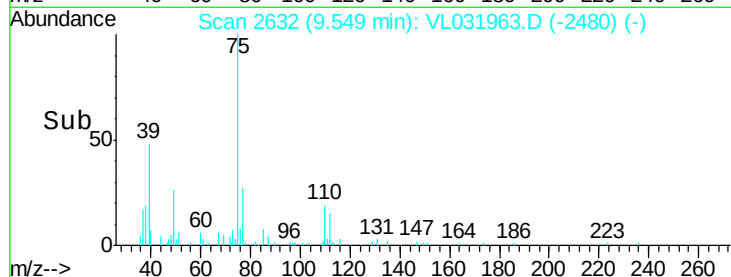
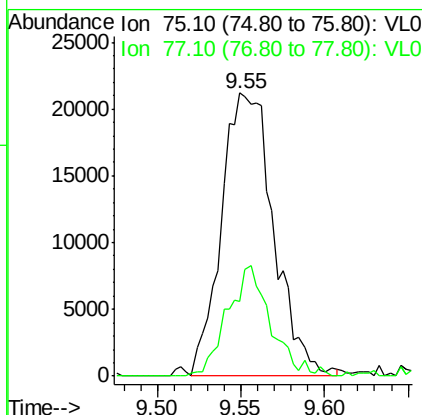
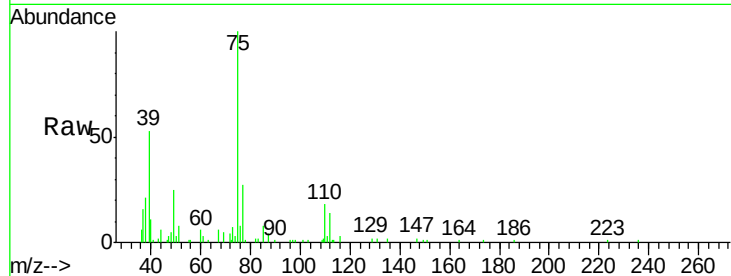
#45
t-1,3-Dichloropropene
Concen: 0.43 ppbv m
RT: 9.55 min Scan# 2632
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 75 Resp: 46174
Ion Ratio Lower Upper
75 100
77 26.6 25.1 37.7

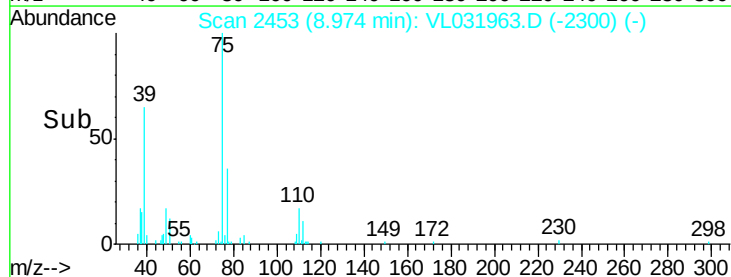
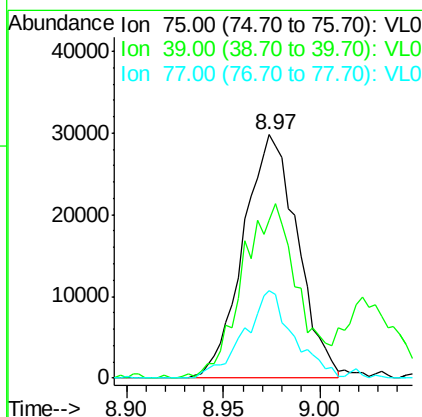
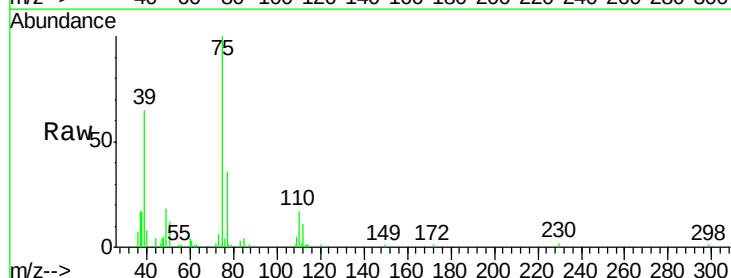
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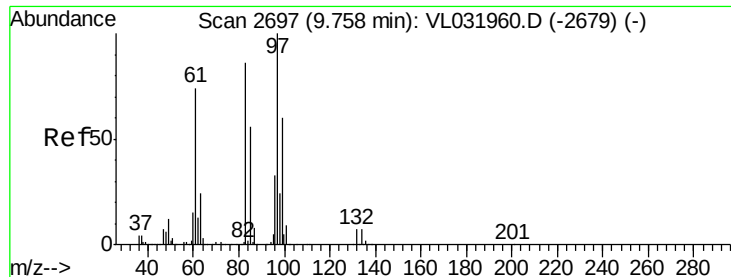
MMDadoda
5/4/2018 5:00:58 PM



#46
cis-1,3-Dichloropropene
Concen: 0.42 ppbv
RT: 8.97 min Scan# 2453
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion: 75 Resp: 58024
Ion Ratio Lower Upper
75 100
39 63.4 58.6 87.8
77 36.0 26.8 40.2





#47

1,1,2-Trichloroethane

Concen: 0.51 ppbv

RT: 9.76 min Scan# 2696

Delta R.T. -0.01 min

Lab File: VL031963.D

Acq: 3 May 2018 13:22

Instrument :

MSVOA_L

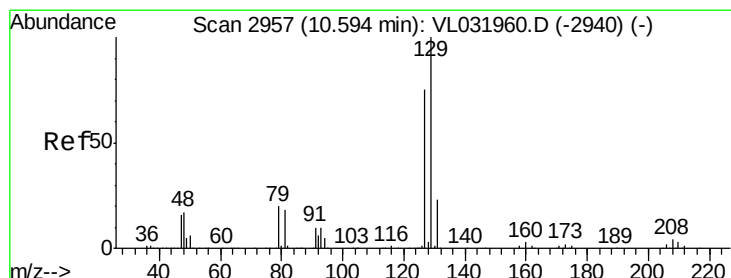
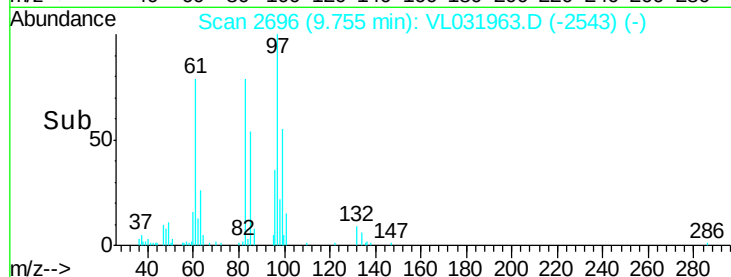
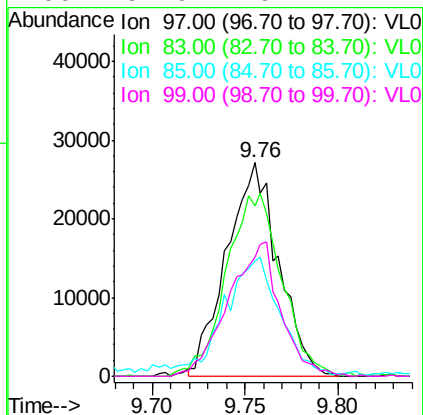
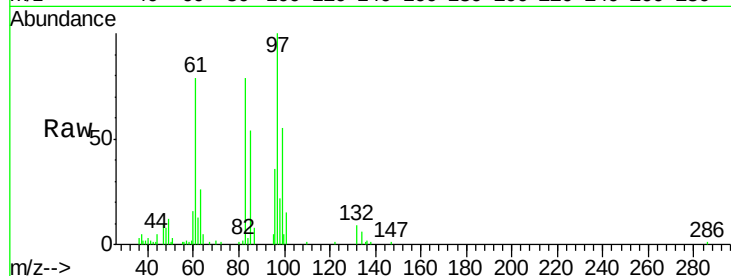
ClientSampleId :

VSTDIC0.5

Tot Ion:	97	Resp:	52477
Ion	Ratio	Lower	Upper
97	100		
83	78.8	69.1	103.7
85	52.6	43.7	65.5
99	54.9	49.4	74.2

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5/4/2018 5:00:58 PM



#48

Dibromochloromethane

Concen: 0.45 ppbv

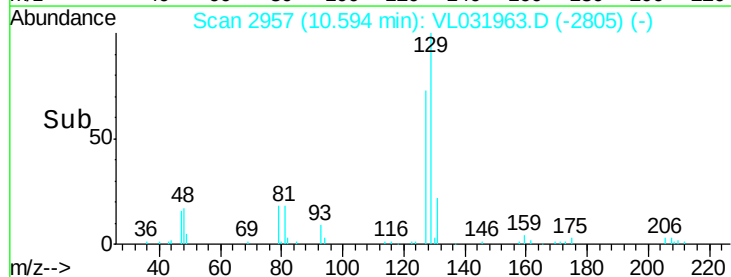
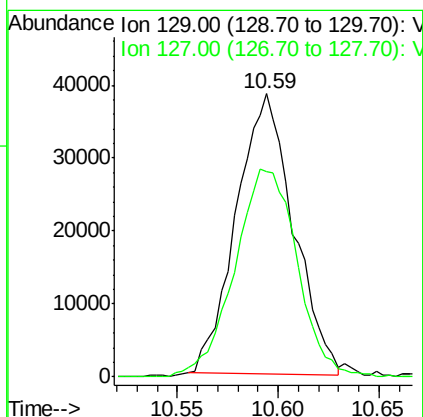
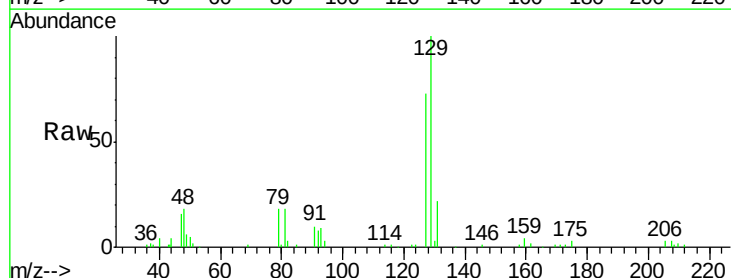
RT: 10.59 min Scan# 2957

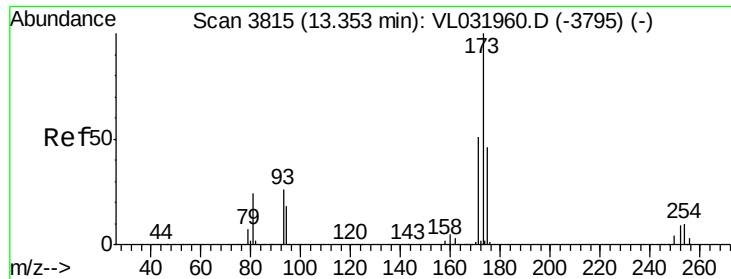
Delta R.T. -0.01 min

Lab File: VL031963.D

Acq: 3 May 2018 13:22

Tgt Ion:	129	Resp:	76024
Ion	Ratio	Lower	Upper
129	100		
127	80.9	39.1	117.5





#49

Bromoform

Concen: 0.45 ppbv

RT: 13.35 min Scan# 3813

Delta R.T. -0.01 min

Lab File: VL031963.D

Acq: 3 May 2018 13:22

Instrument :

MSVOA_L

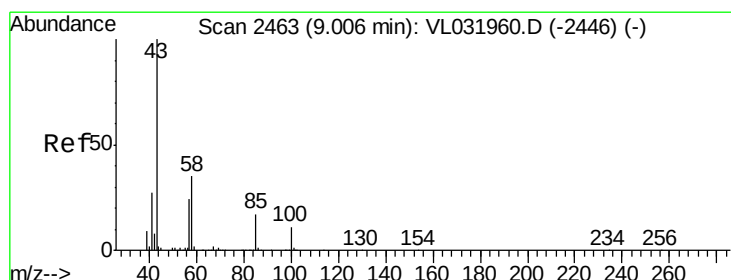
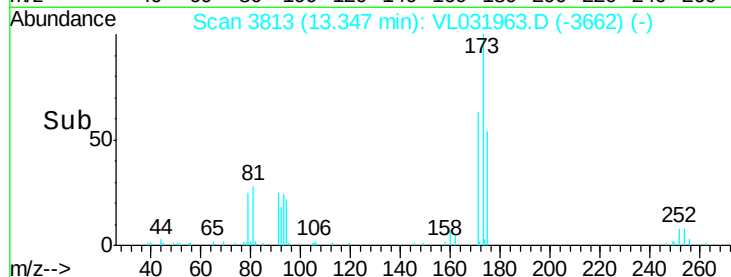
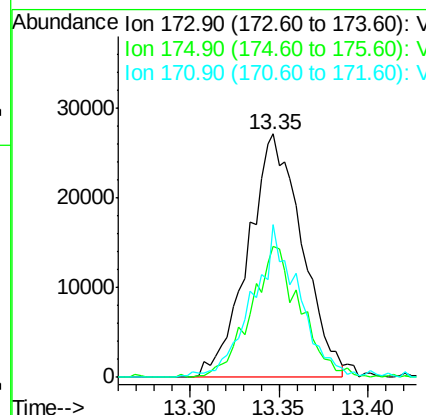
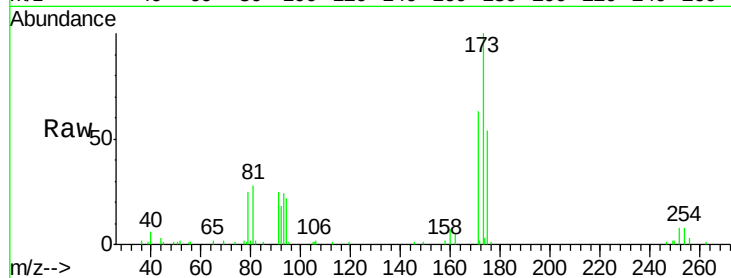
ClientSampleId :

VSTDIC0.5

Tot Ion:	173	Resp:	57405
Ion	Ratio	Lower	Upper
173	100		
175	49.6	39.0	58.6
171	54.3	41.4	62.0

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5/4/2018 5:00:58 PM



#50

4-Methyl-2-Pentanone

Concen: 0.47 ppbv

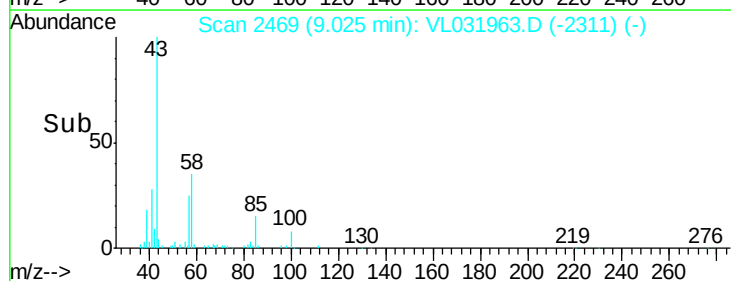
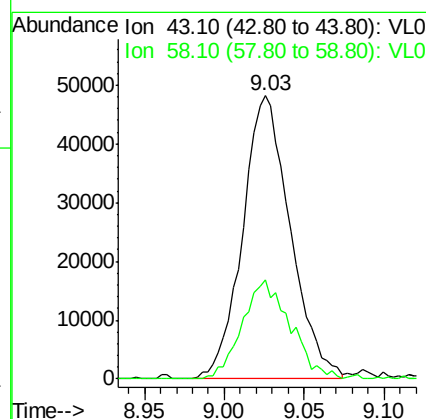
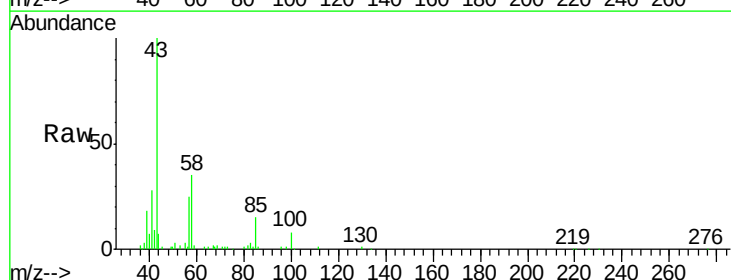
RT: 9.03 min Scan# 2469

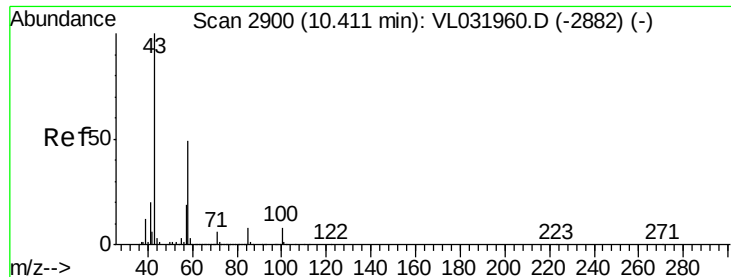
Delta R.T. 0.01 min

Lab File: VL031963.D

Acq: 3 May 2018 13:22

Tgt Ion:	43	Resp:	98245
Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.6	43.0





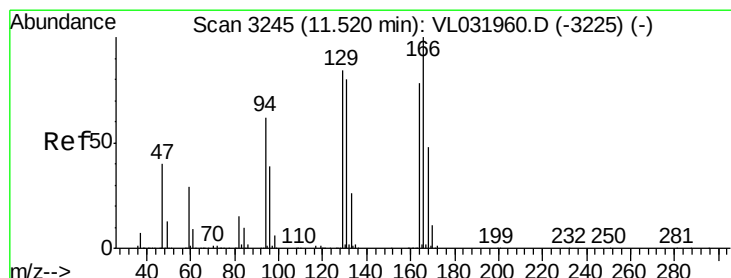
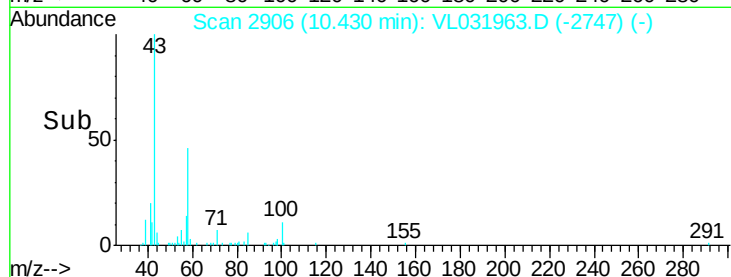
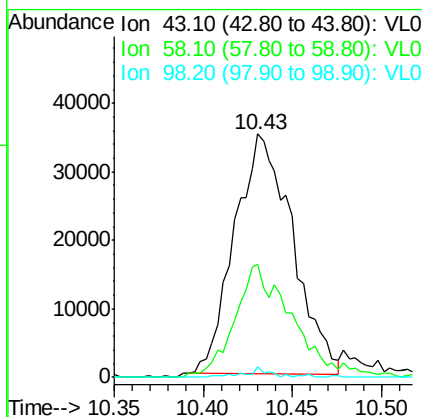
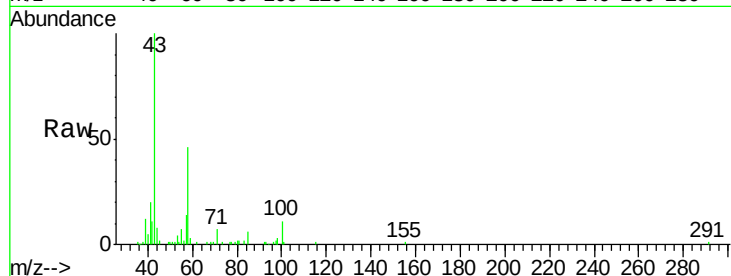
#51
2-Hexanone
Concen: 0.44 ppbv
RT: 10.43 min Scan# 2906
Delta R.T. 0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.2	38.5	57.7
98	2.0	0.2	0.4

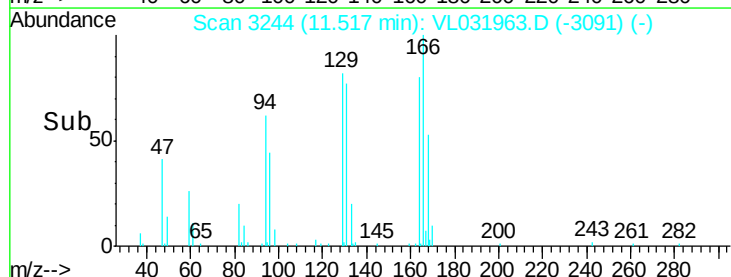
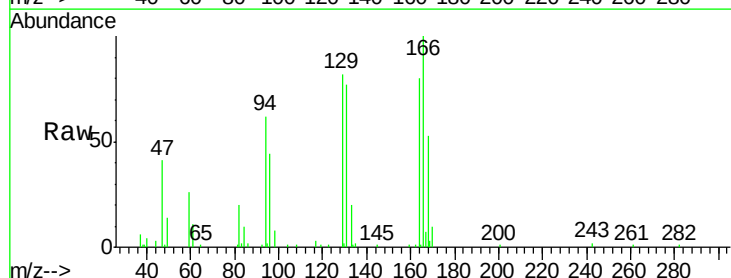
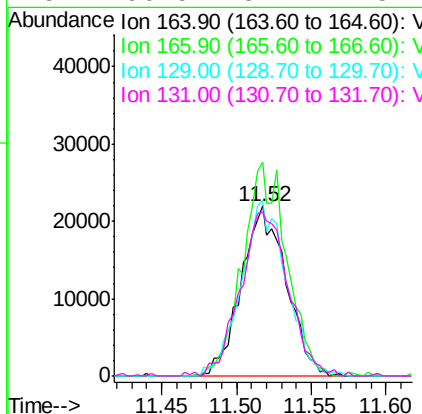
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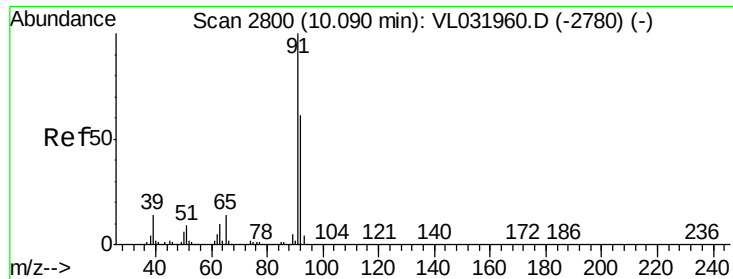
MMDadoda
5/4/2018 5:00:58 PM



#52
Tetrachloroethene
Concen: 0.50 ppbv m
RT: 11.52 min Scan# 3244
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	98.2	147.4
129	103.3	86.5	129.7
131	96.5	82.2	123.2





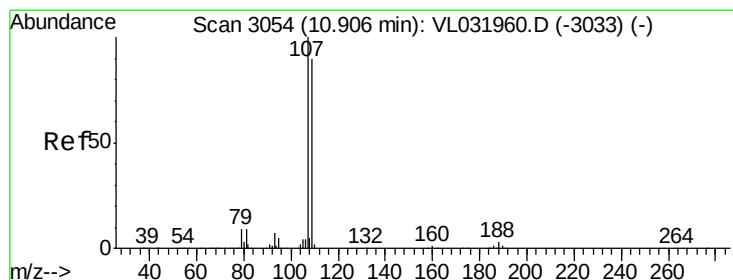
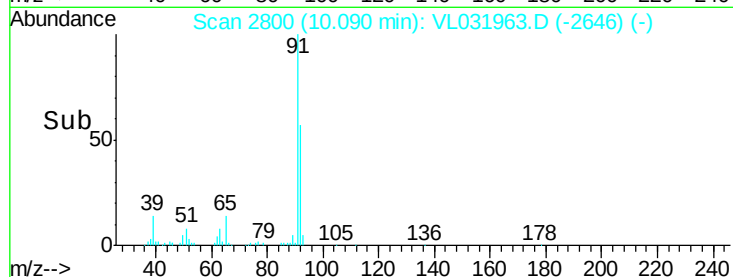
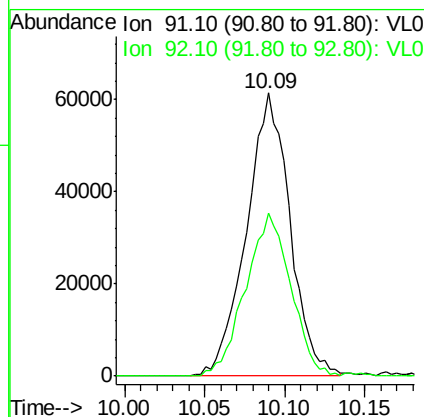
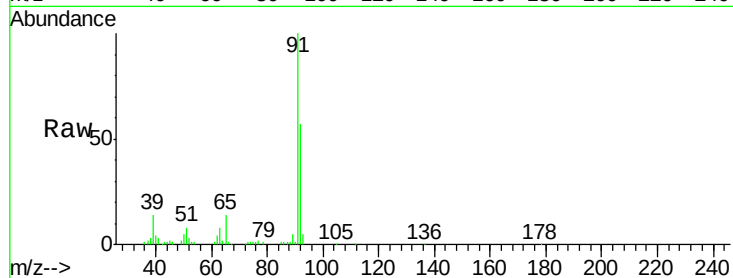
#53
Toluene
Concen: 0.44 ppbv
RT: 10.09 min Scan# 2800
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 114649
Ion Ratio Lower Upper
91 100
92 60.0 47.4 71.2

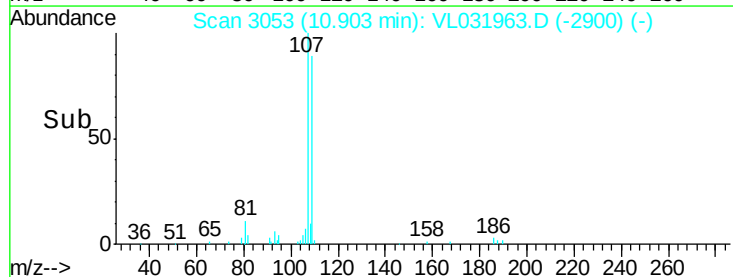
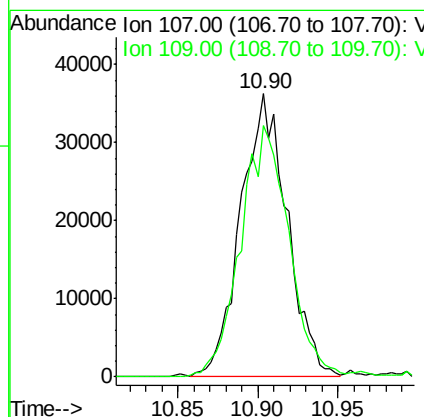
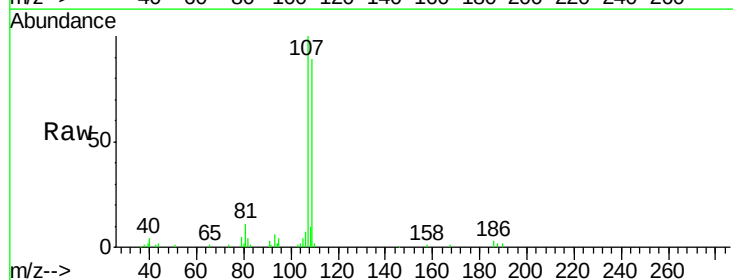
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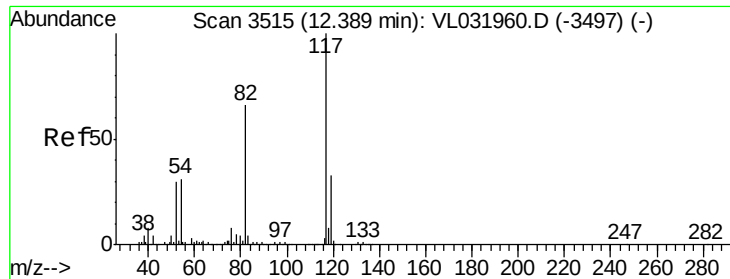
MMDadoda
5/4/2018 5:00:58 PM



#54
1,2-Dibromoethane
Concen: 0.48 ppbv
RT: 10.90 min Scan# 3053
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion: 107 Resp: 71974
Ion Ratio Lower Upper
107 100
109 88.1 74.6 112.0





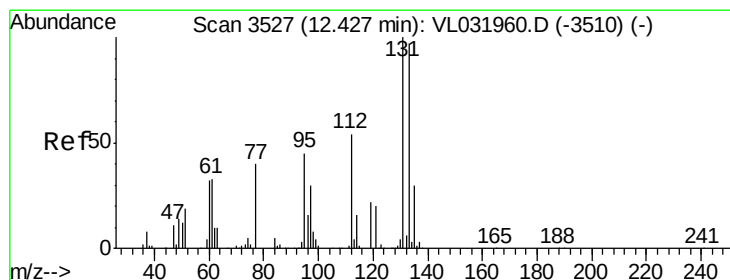
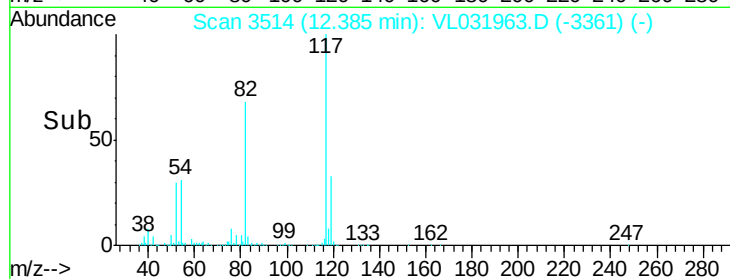
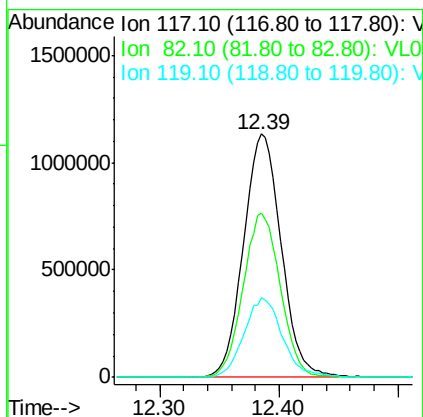
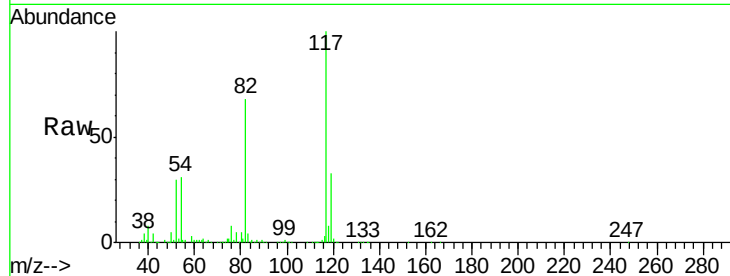
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.39 min Scan# 3514
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
82	66.9	54.6	81.8
119	33.5	26.0	39.0

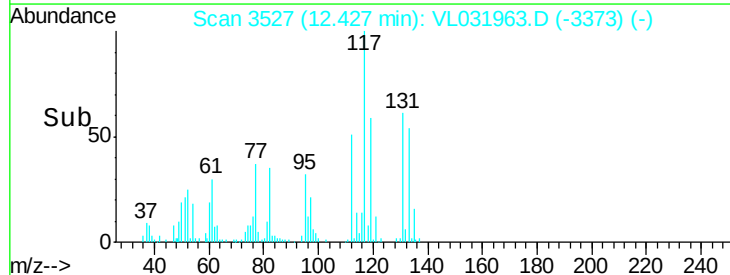
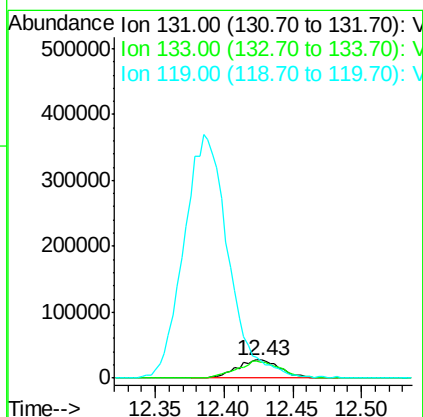
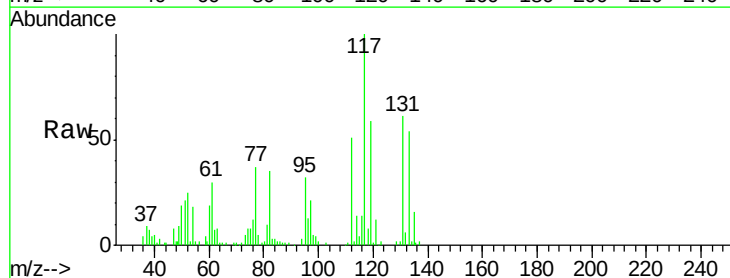
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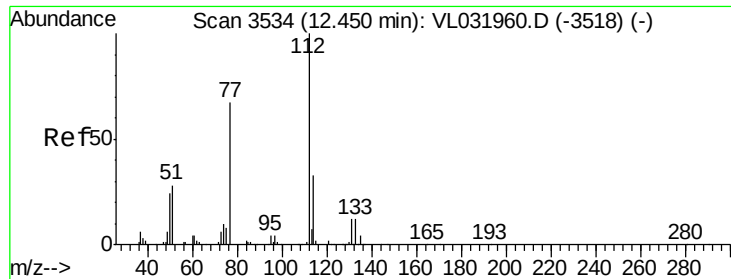
MMDadoda
5/4/2018 5:00:58 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 0.51 ppbv m
RT: 12.43 min Scan# 3527
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	76.1	114.1
119	0.0	106.3	159.5#





#57

Chlorobenzene

Concen: 0.57 ppbv

RT: 12.45 min Scan# 3533

Delta R.T. -0.01 min

Lab File: VL031963.D

Acq: 3 May 2018 13:22

Instrument :

MSVOA_L

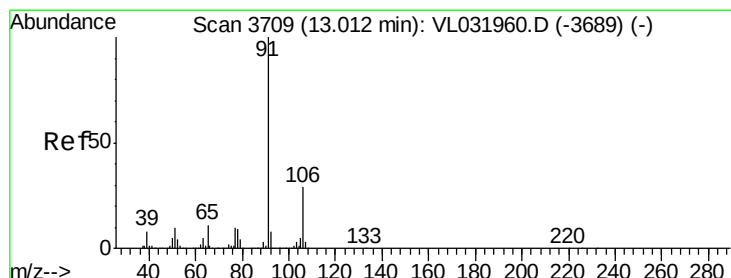
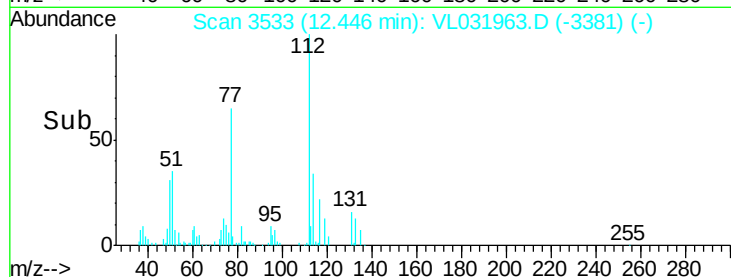
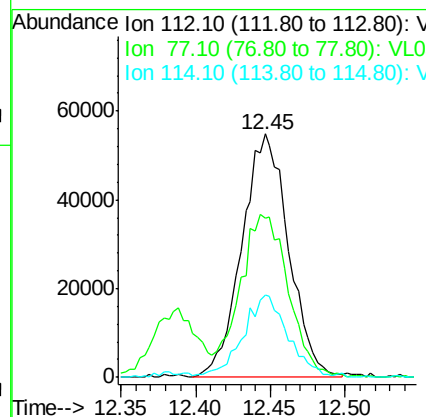
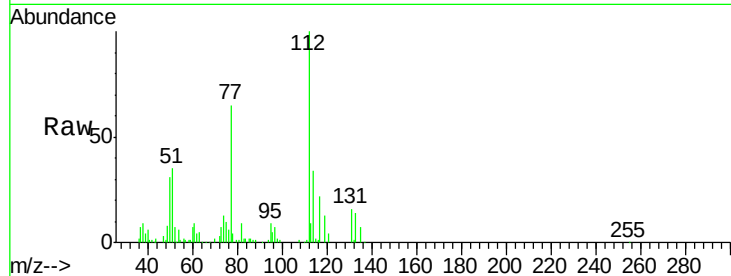
ClientSampleId :

VSTDIC0.5

Tot Ion:	112	Resp:	119088
Ion Ratio	Lower	Upper	
112	100		
77	64.0	57.0	85.6
114	33.1	28.5	34.9

Manual Integrations
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MMDadoda
5/4/2018 5:00:58 PM



#58

Ethyl Benzene

Concen: 0.47 ppbv

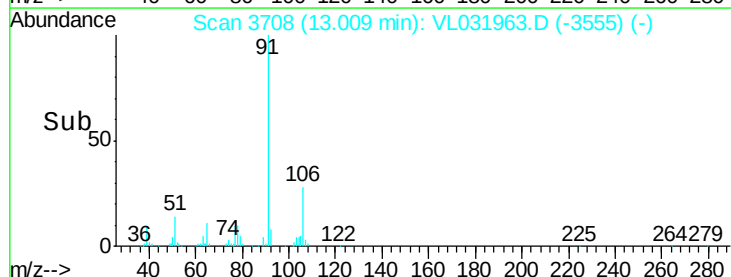
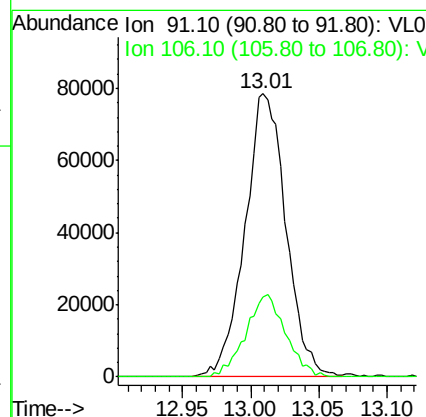
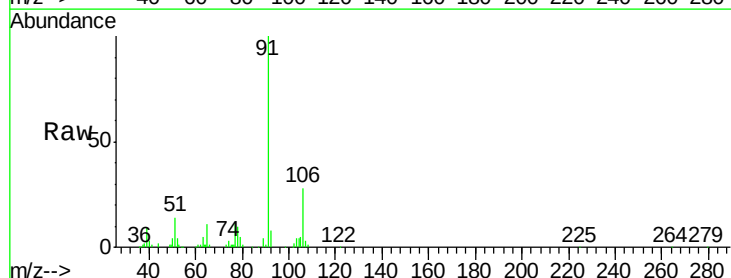
RT: 13.01 min Scan# 3708

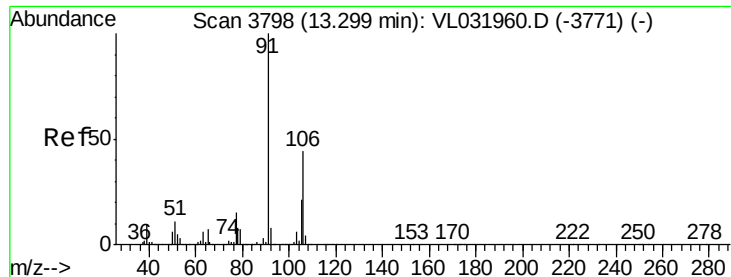
Delta R.T. -0.01 min

Lab File: VL031963.D

Acq: 3 May 2018 13:22

Tgt Ion:	91	Resp:	163624
Ion Ratio	Lower	Upper	
91	100		
106	28.4	23.8	35.6





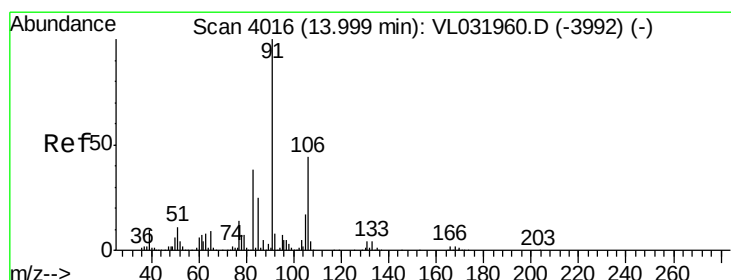
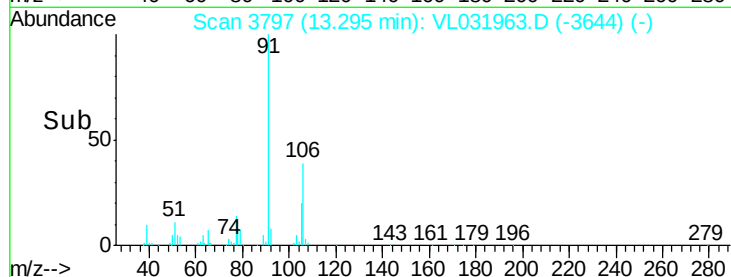
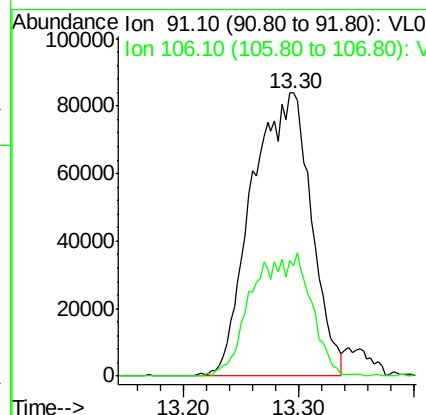
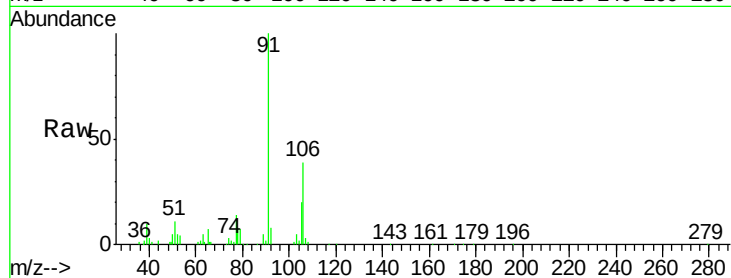
#59
m/p-Xylene
Concen: 1.01 ppbv m
RT: 13.30 min Scan# 3797
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 301582
Ion Ratio Lower Upper
91 100
106 42.8 35.5 53.3

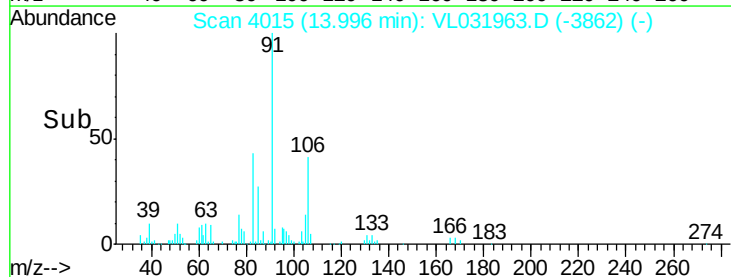
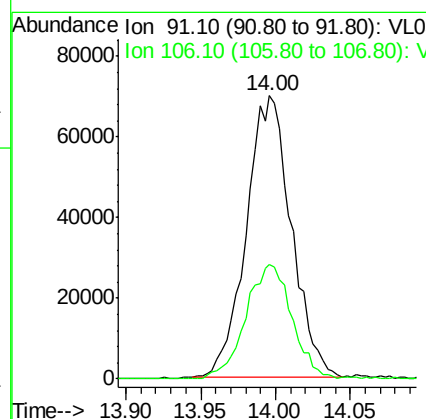
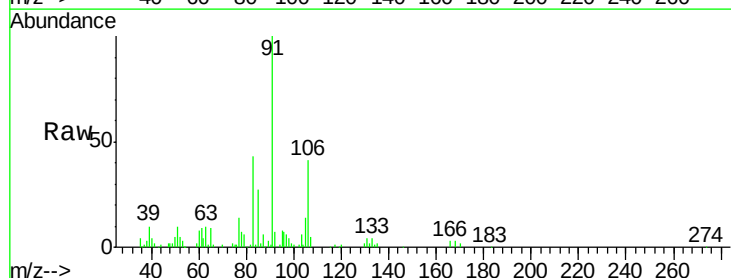
Manual Integrations
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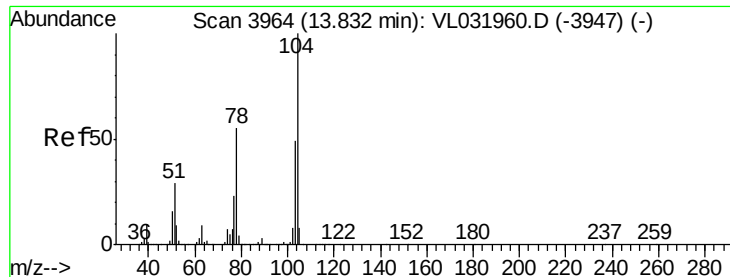
MMDadoda
5/4/2018 5:00:58 PM



#60
o-Xylene
Concen: 0.49 ppbv
RT: 14.00 min Scan# 4015
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion: 91 Resp: 145837
Ion Ratio Lower Upper
91 100
106 42.2 21.3 63.9





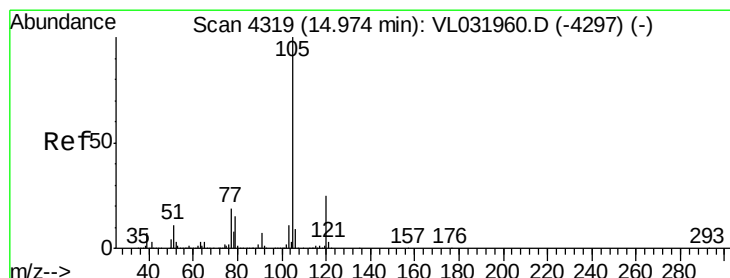
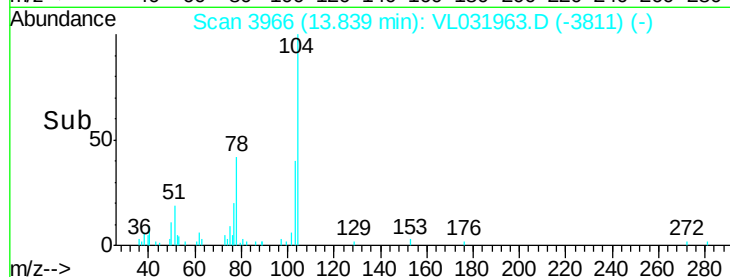
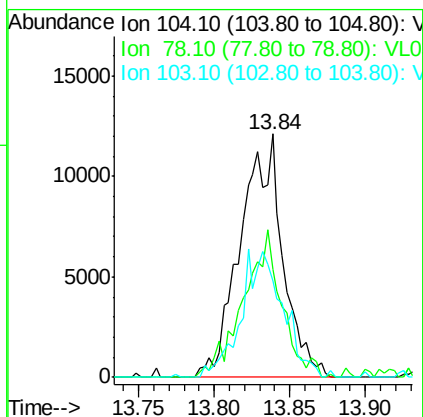
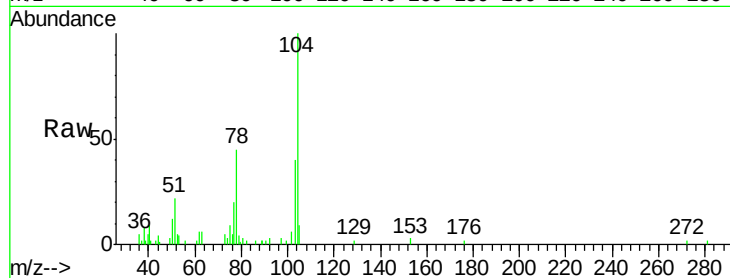
#61
Stvrene
Concen: 0.41 ppbv m
RT: 13.84 min Scan# 3966
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
104	100		
78	0.0	44.4	66.6#
103	51.9	37.9	56.9

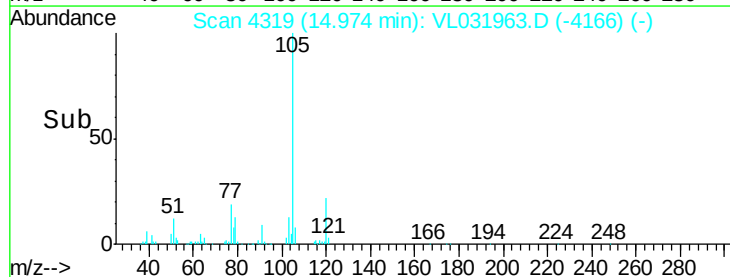
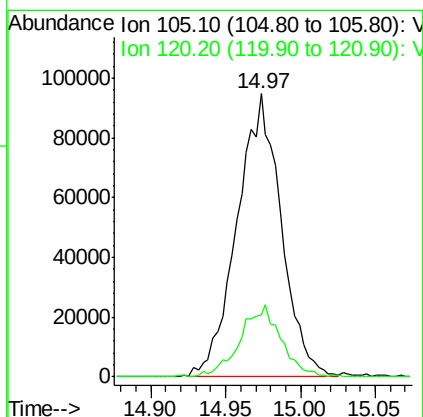
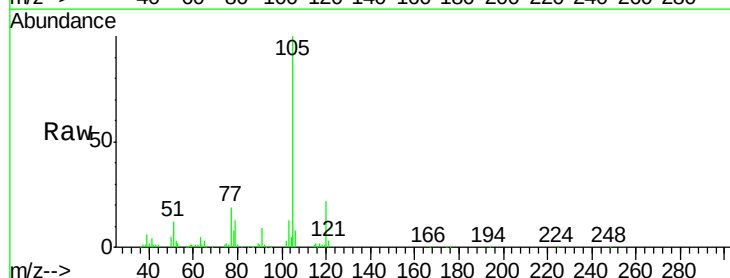
Manual Integrations
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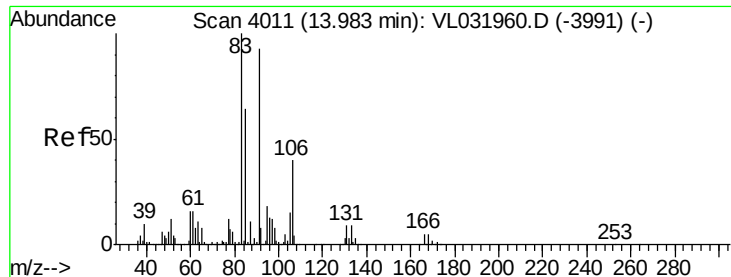
MMDadoda
5/4/2018 5:00:58 PM



#62
Isopropylbenzene
Concen: 0.50 ppbv
RT: 14.97 min Scan# 4319
Delta R.T. -0.01 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.0	19.4	29.2





#63

1,1,2,2-Tetrachloroethane

Concen: 0.49 ppbv

RT: 13.98 min Scan# 4011

Delta R.T. -0.01 min

Lab File: VL031963.D

Acq: 3 May 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 83 Resp: 112448

Ion Ratio Lower Upper

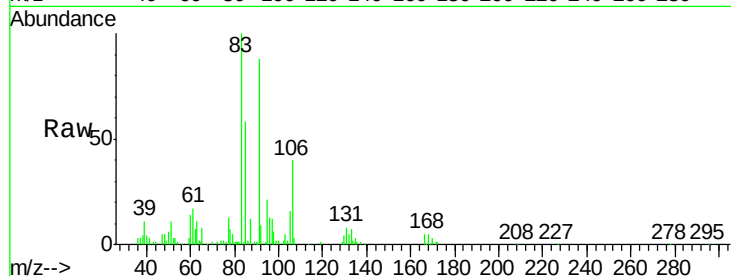
83 100

131 10.3 4.9 14.6

85 66.2 32.2 96.6

Manual Integrations
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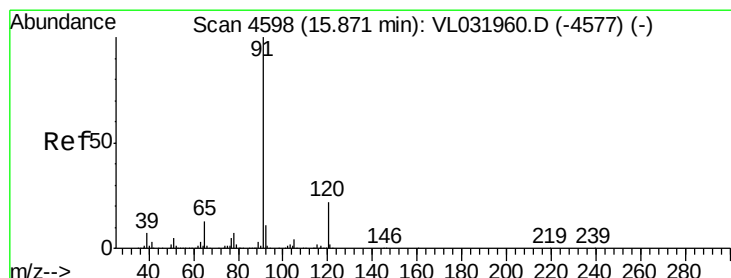
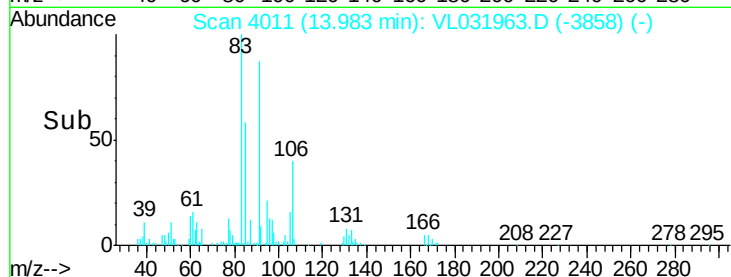
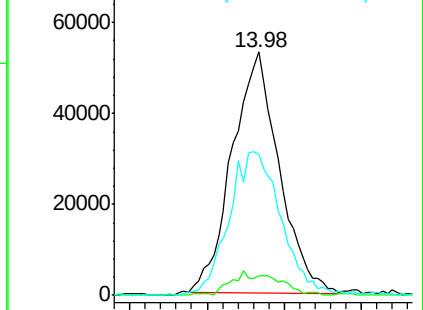
MMDadoda
5/4/2018 5:00:58 PM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.51 ppbv m

RT: 15.87 min Scan# 4599

Delta R.T. -0.00 min

Lab File: VL031963.D

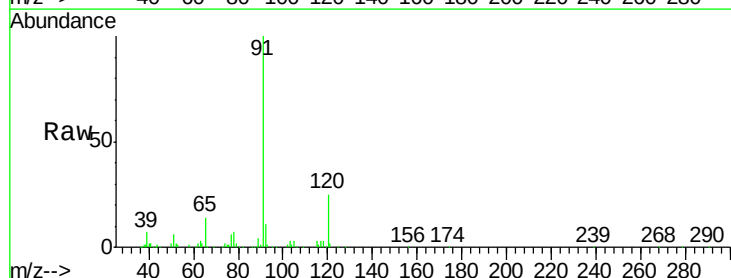
Acq: 3 May 2018 13:22

Tgt Ion: 120 Resp: 48090

Ion Ratio Lower Upper

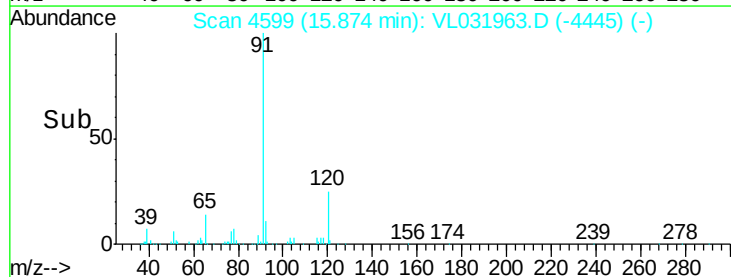
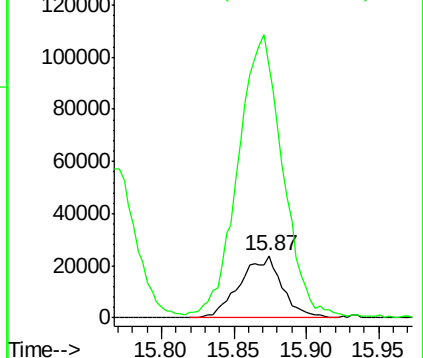
120 100

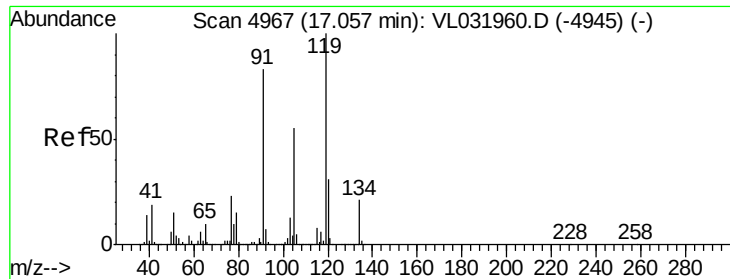
91 276.4 393.7 590.5#



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





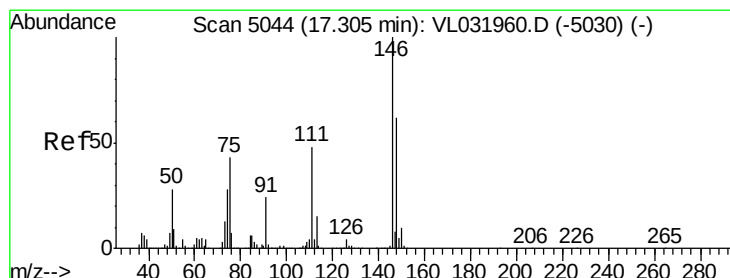
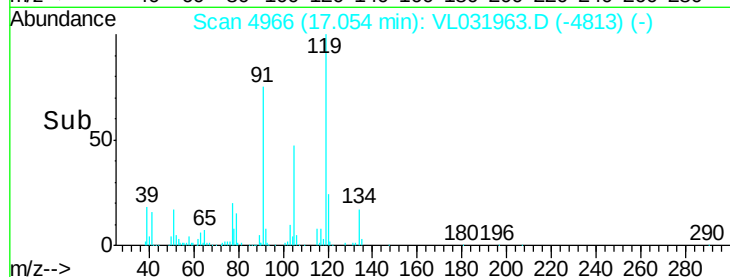
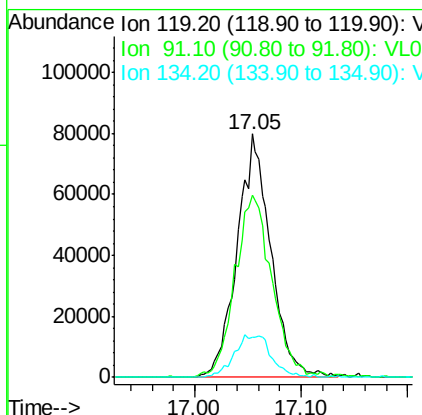
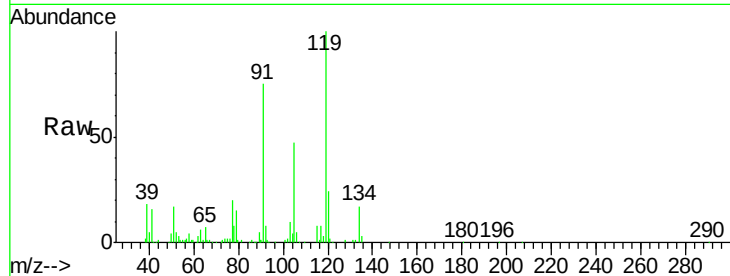
#65
 tert-Butylbenzene
 Concen: 0.53 ppbv m
 RT: 17.05 min Scan# 4966
 Delta R.T. -0.01 min
 Lab File: VL031963.D
 Acq: 3 May 2018 13:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
119	100		
91	83.3	69.4	104.0
134	0.0	15.4	23.2#

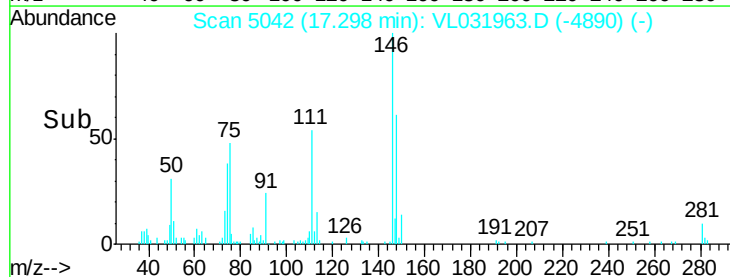
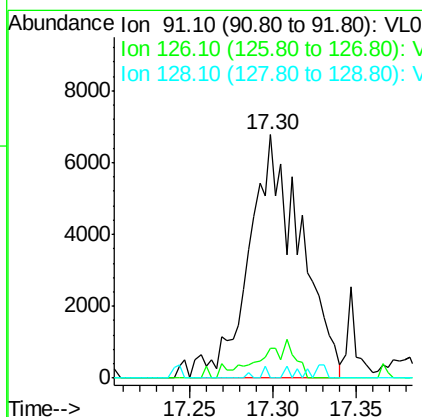
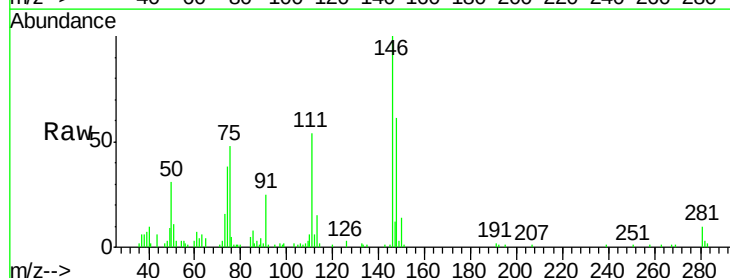
Manual Integrations
 APPROVED

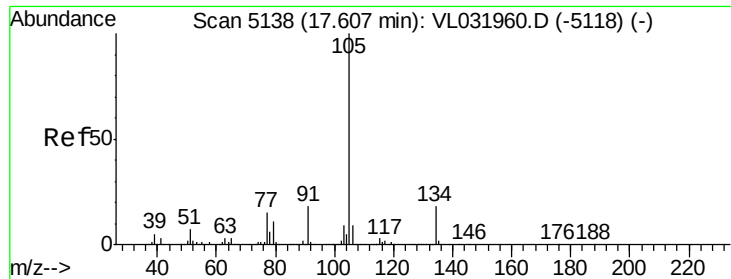
MMDadoda
 5/4/2018 5:00:58 PM



#66
 Benzyl Chloride
 Concen: 0.48 ppbv m
 RT: 17.30 min Scan# 5042
 Delta R.T. -0.01 min
 Lab File: VL031963.D
 Acq: 3 May 2018 13:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	11.5	12.6	19.0#
128	2.1	4.0	6.0#





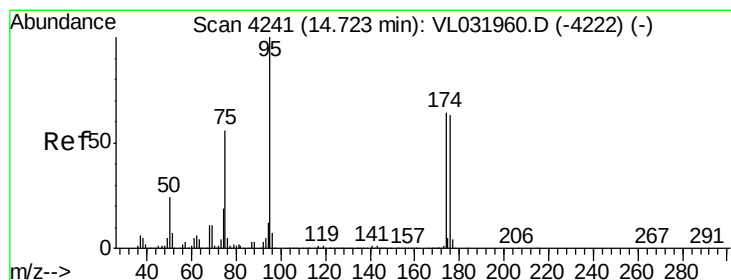
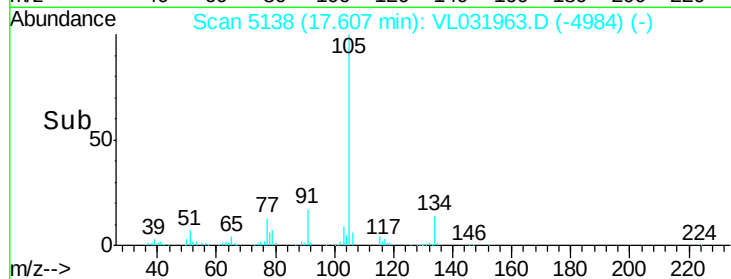
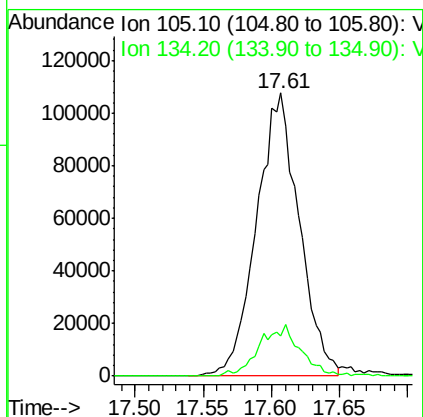
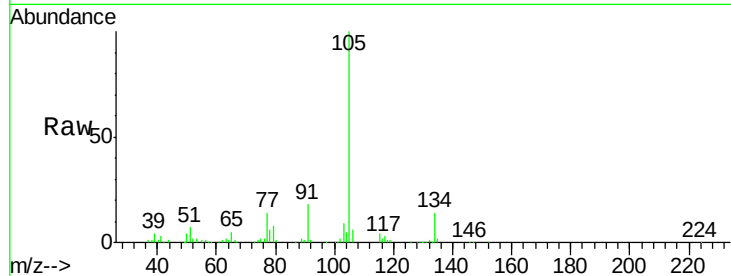
#67
 sec-Butylbenzene
 Concen: 0.49 ppbv
 RT: 17.61 min Scan# 5138
 Delta R.T. -0.00 min
 Lab File: VL031963.D
 Acq: 3 May 2018 13:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.7	14.2	21.2

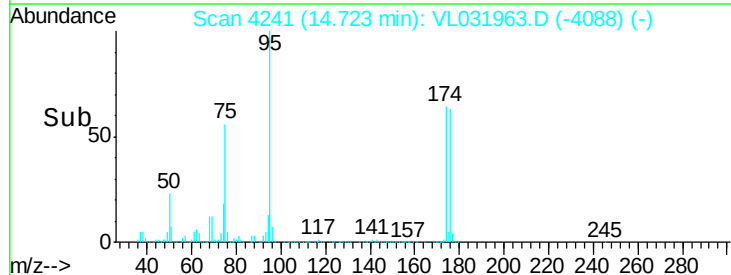
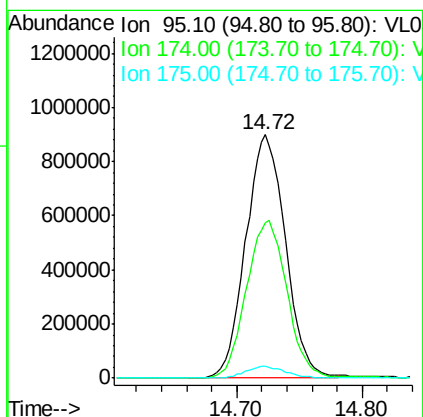
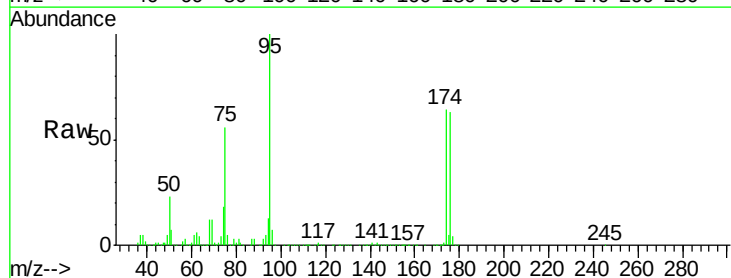
Manual Integrations
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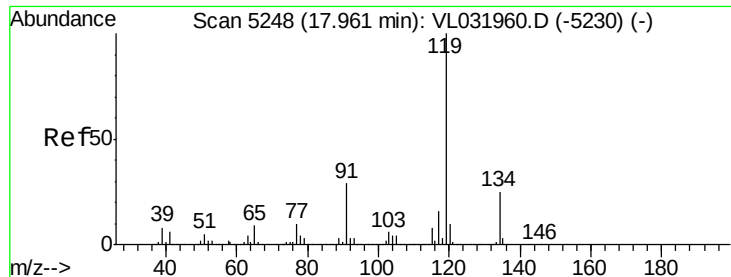
MMDadoda
 5/4/2018 5:00:58 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.94 ppbv
 RT: 14.72 min Scan# 4241
 Delta R.T. -0.01 min
 Lab File: VL031963.D
 Acq: 3 May 2018 13:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.6	52.3	78.5
175	4.8	3.9	5.9





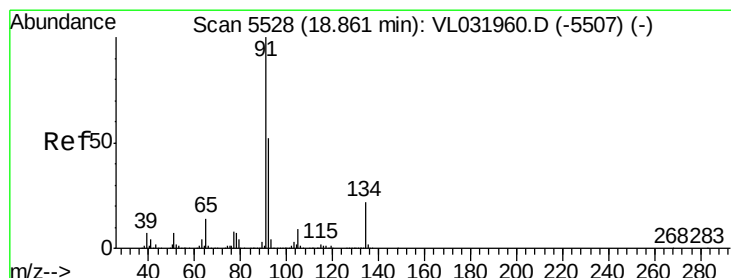
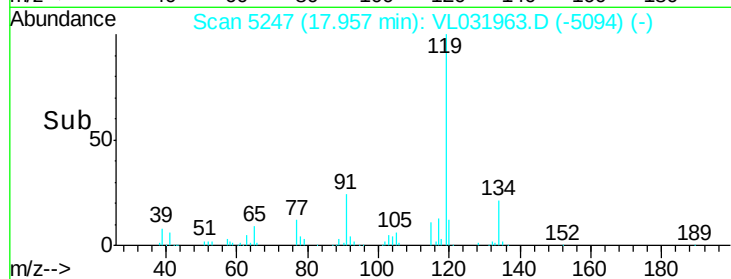
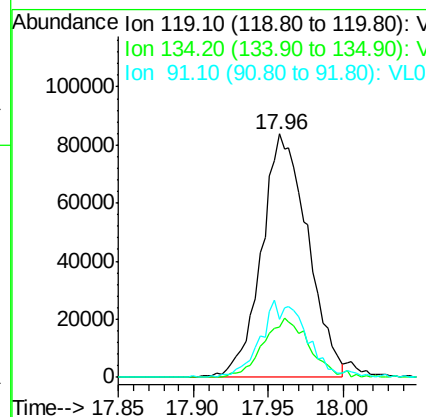
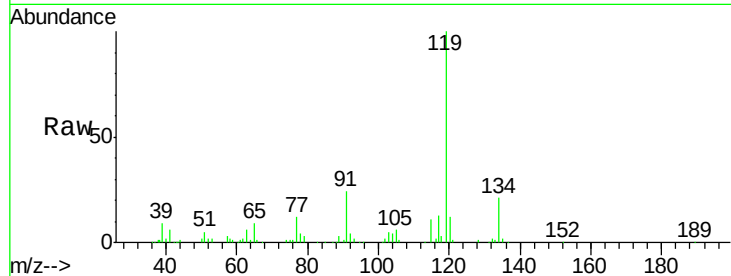
#69
 p-Isopropyltoluene
 Concen: 0.49 ppbv
 RT: 17.96 min Scan# 5247
 Delta R.T. -0.01 min
 Lab File: VL031963.D
 Acq: 3 May 2018 13:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	119	Resp:	179531
Ion Ratio	Lower	Upper	
119	100		
134	24.5	20.0	30.0
91	32.0	24.9	37.3

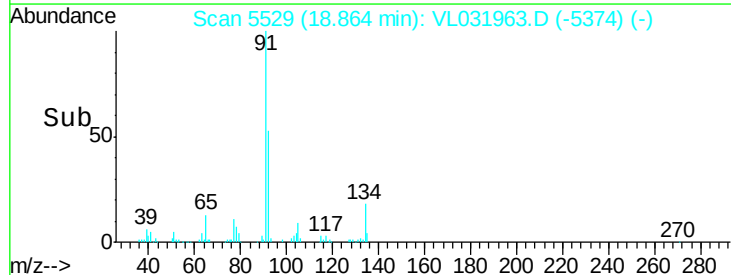
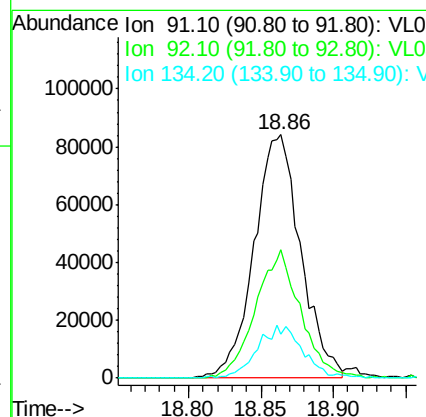
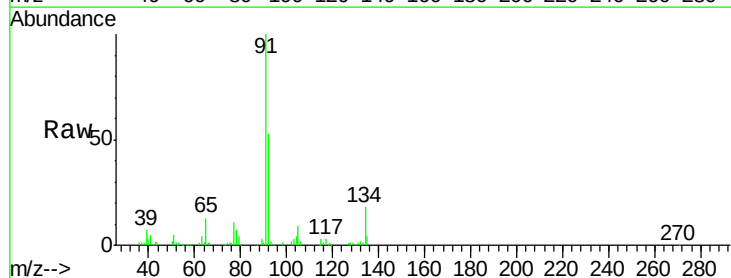
Manual Integrations
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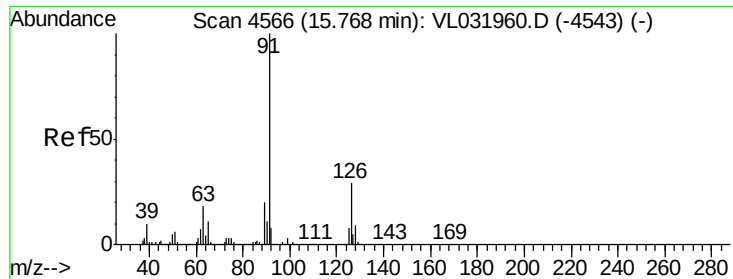
MMDadoda
 5/4/2018 5:00:58 PM



#70
 n-Butylbenzene
 Concen: 0.49 ppbv
 RT: 18.86 min Scan# 5529
 Delta R.T. -0.00 min
 Lab File: VL031963.D
 Acq: 3 May 2018 13:22

Tgt Ion:	91	Resp:	188140
Ion Ratio	Lower	Upper	
91	100		
92	50.9	42.2	63.4
134	21.1	17.4	26.0





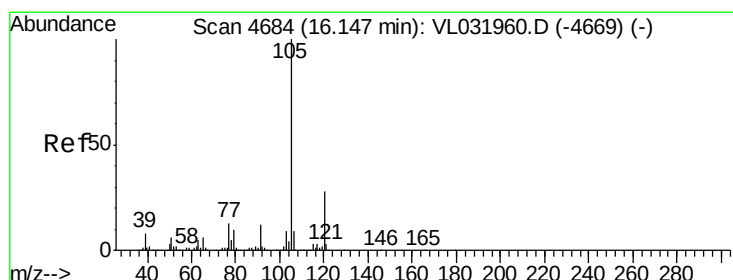
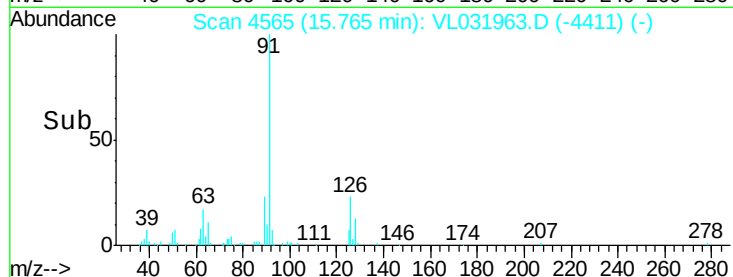
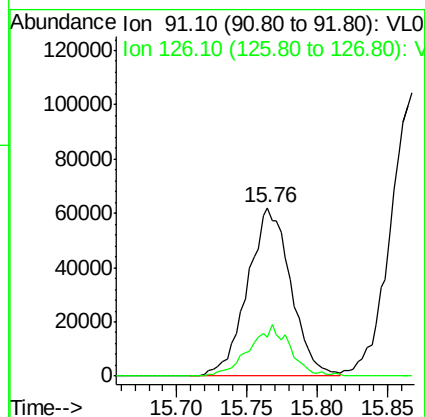
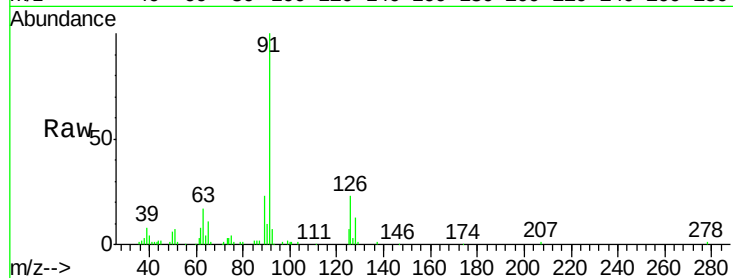
#71
 2-Chlorotoluene
 Concen: 0.48 ppbv
 RT: 15.76 min Scan# 4565
 Delta R.T. -0.00 min
 Lab File: VL031963.D
 Acq: 3 May 2018 13:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 91 Resp: 133159
 Ion Ratio Lower Upper
 91 100
 126 29.0 11.6 46.2

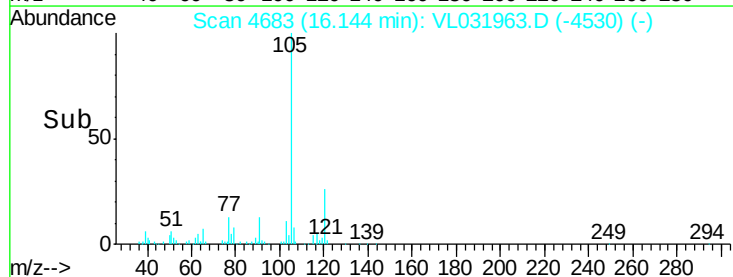
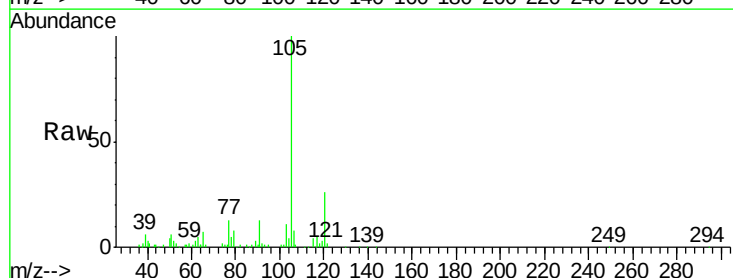
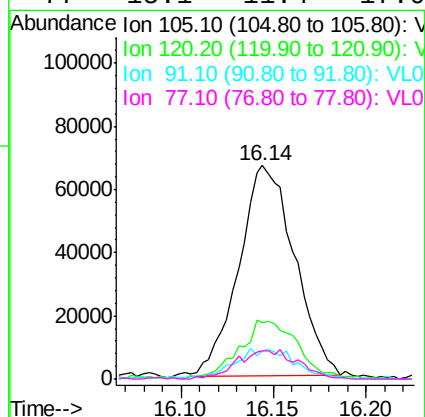
Manual Integrations
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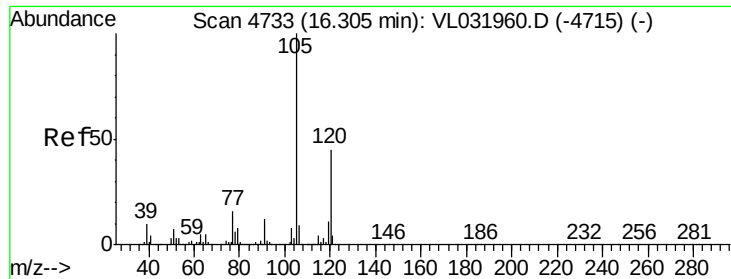
MMDadoda
 5/4/2018 5:00:58 PM



#72
 4-Ethyltoluene
 Concen: 0.46 ppbv
 RT: 16.14 min Scan# 4683
 Delta R.T. -0.01 min
 Lab File: VL031963.D
 Acq: 3 May 2018 13:22

Tgt Ion: 105 Resp: 139462
 Ion Ratio Lower Upper
 105 100
 120 29.4 22.7 34.1
 91 14.9 10.6 16.0
 77 15.1 11.4 17.0





#73

1,3,5-Trimethylbenzene

Concen: 0.49 ppbv

RT: 16.30 min Scan# 4731

Delta R.T. -0.01 min

Lab File: VL031963.D

Acq: 3 May 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 136187

Ion Ratio Lower Upper

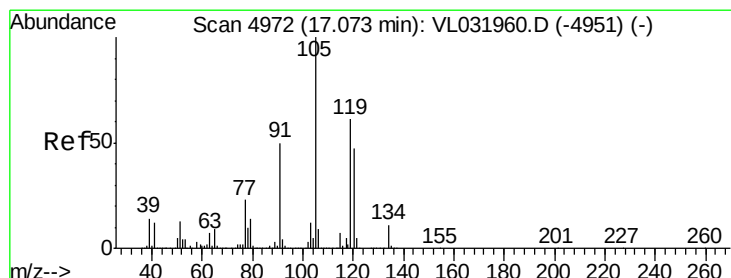
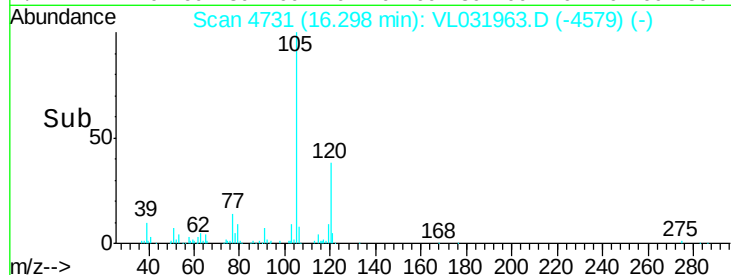
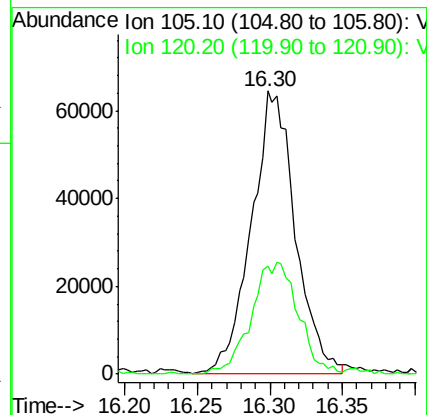
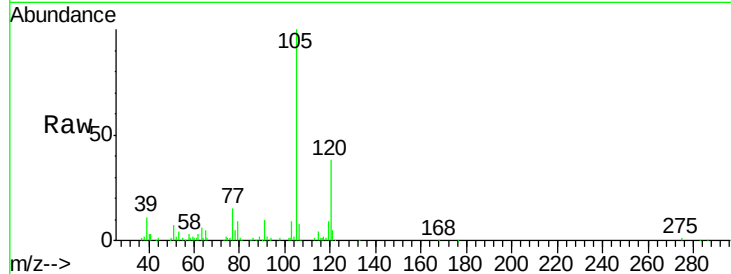
105 100

120 38.2 35.3 52.9

Manual Integrations
APPROVED

MMDadoda

5/4/2018 5:00:58 PM



#74

1,2,4-Trimethylbenzene

Concen: 0.51 ppbv

RT: 17.07 min Scan# 4971

Delta R.T. -0.01 min

Lab File: VL031963.D

Acq: 3 May 2018 13:22

Tgt Ion:105 Resp: 158724

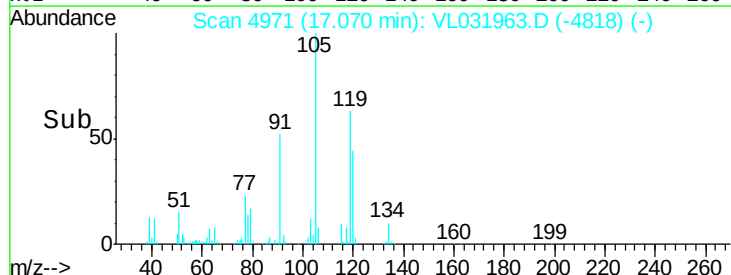
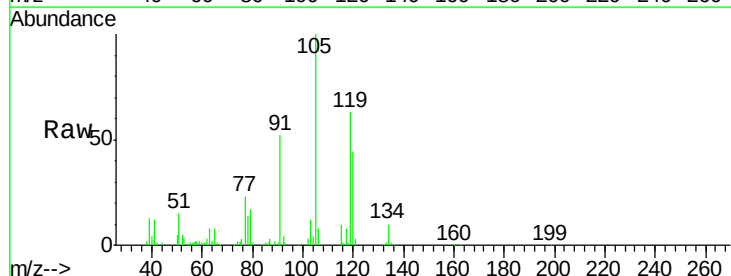
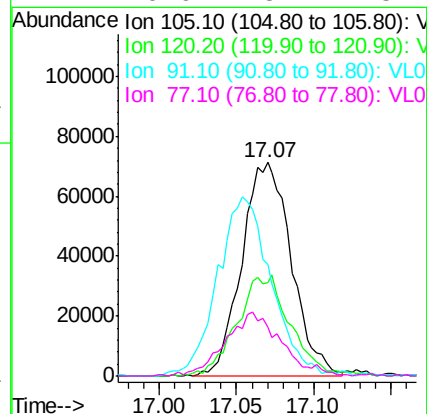
Ion Ratio Lower Upper

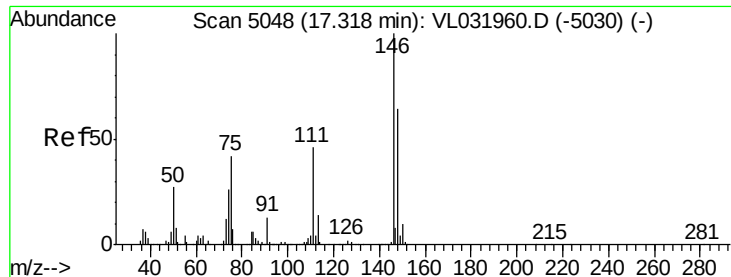
105 100

120 42.4 37.0 55.4

91 50.1 43.0 64.4

77 19.9 18.7 28.1





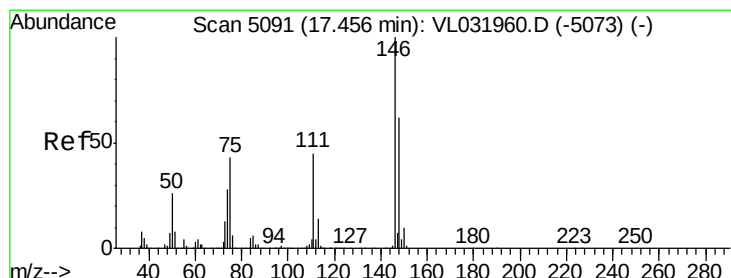
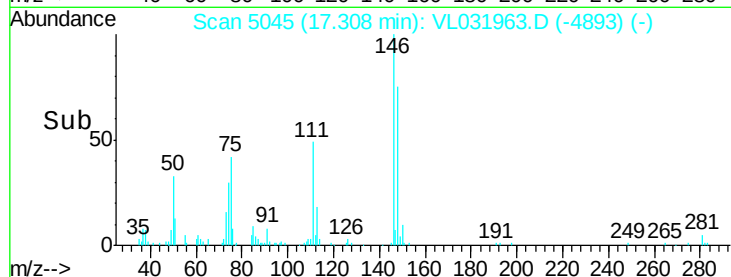
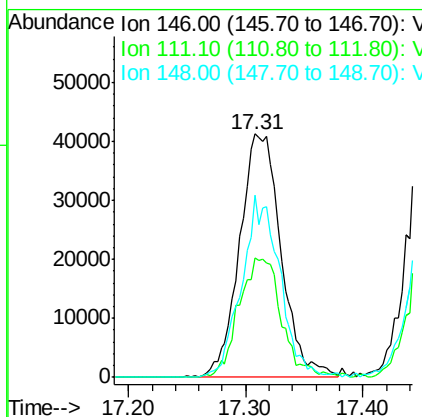
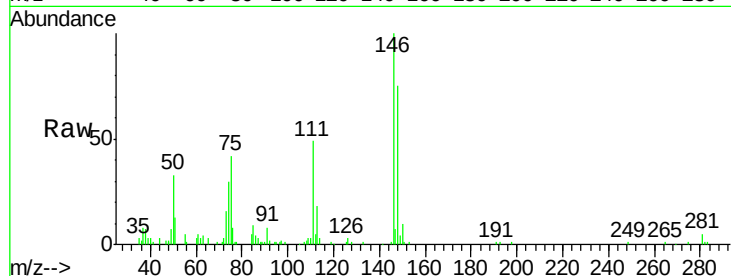
#75
 1,3-Dichlorobenzene
 Concen: 0.53 ppbv m
 RT: 17.31 min Scan# 5045
 Delta R.T. -0.01 min
 Lab File: VL031963.D
 Acq: 3 May 2018 13:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.6	23.8	71.4
148	68.9	32.0	96.2

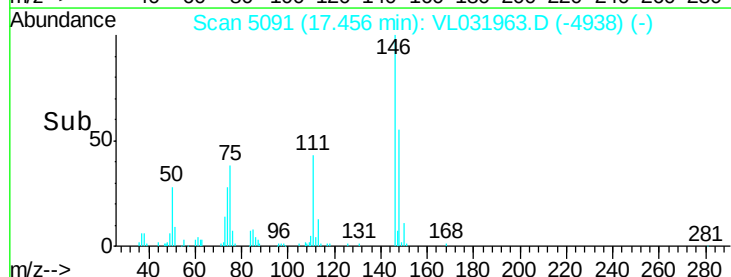
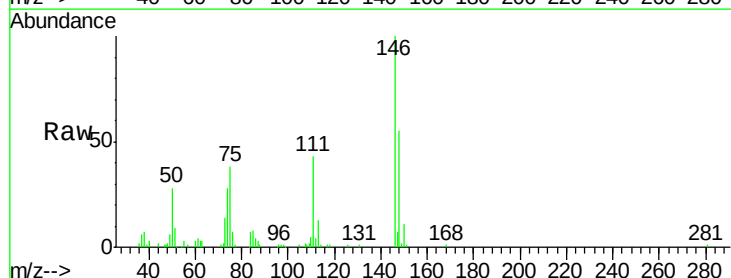
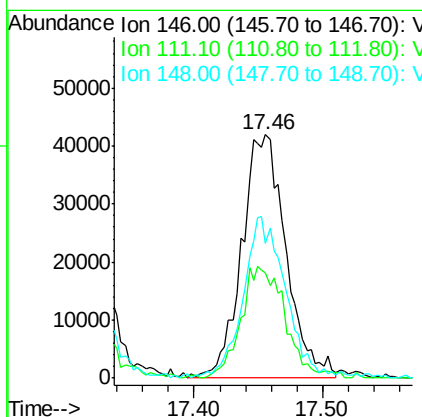
Manual Integrations
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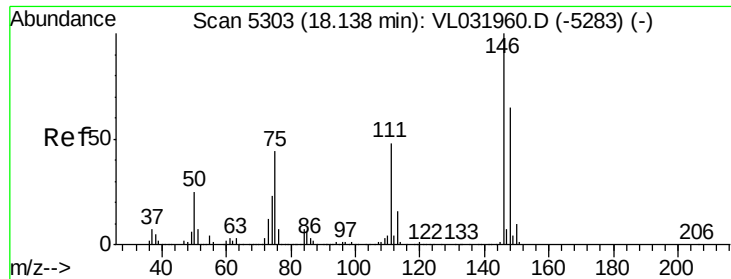
MMDadoda
 5/4/2018 5:00:58 PM



#76
 1,4-Dichlorobenzene
 Concen: 0.54 ppbv m
 RT: 17.46 min Scan# 5091
 Delta R.T. -0.01 min
 Lab File: VL031963.D
 Acq: 3 May 2018 13:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.5	22.9	68.7
148	64.6	32.0	96.0





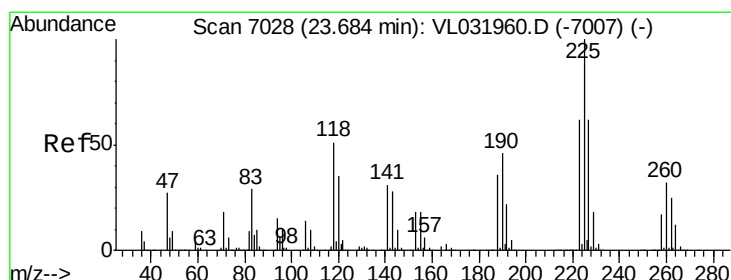
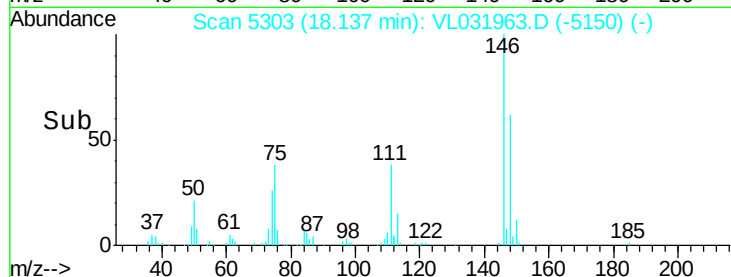
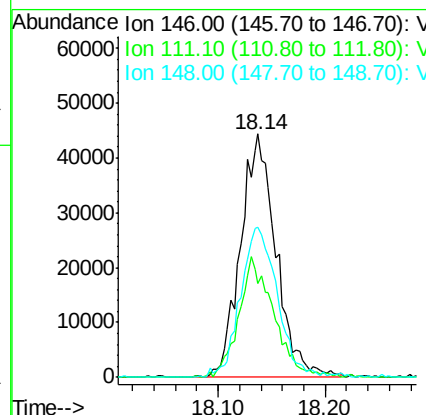
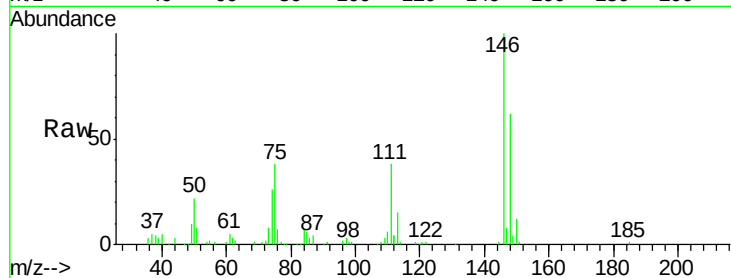
#77
 1,2-Dichlorobenzene
 Concen: 0.54 ppbv m
 RT: 18.14 min Scan# 5303
 Delta R.T. -0.01 min
 Lab File: VL031963.D
 Acq: 3 May 2018 13:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.3	72.8#
148	64.6	31.8	95.3

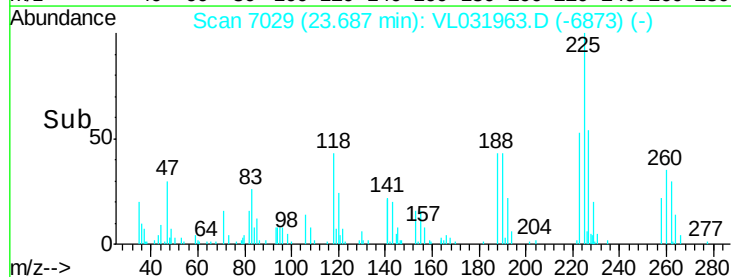
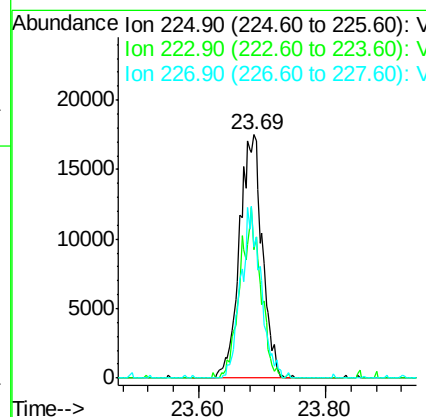
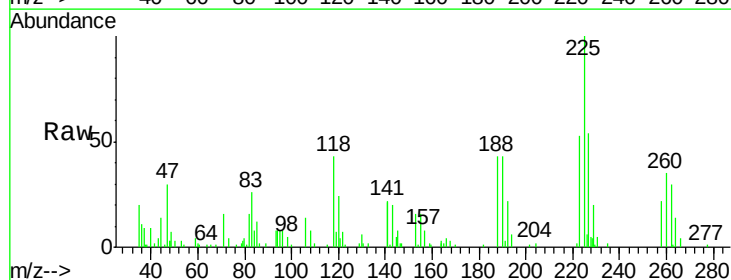
Manual Integrations
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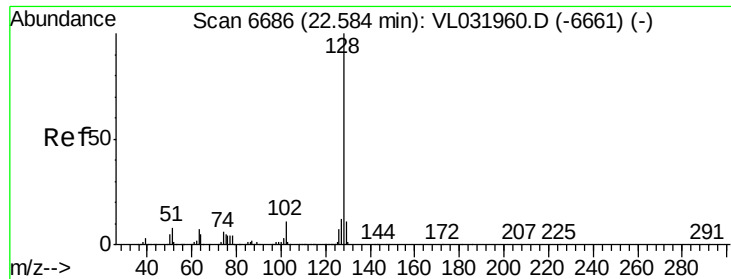
MMDadoda
 5/4/2018 5:00:58 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.60 ppbv m
 RT: 23.69 min Scan# 7029
 Delta R.T. 0.00 min
 Lab File: VL031963.D
 Acq: 3 May 2018 13:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.6	76.0#
227	0.0	52.2	78.4#





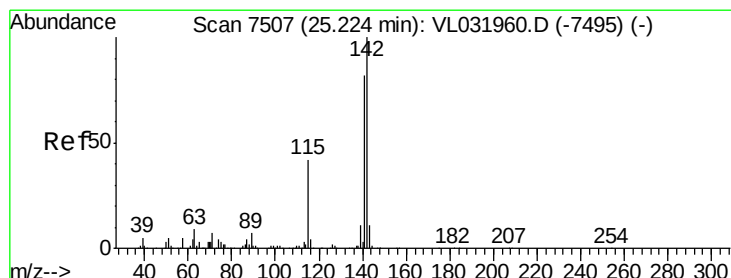
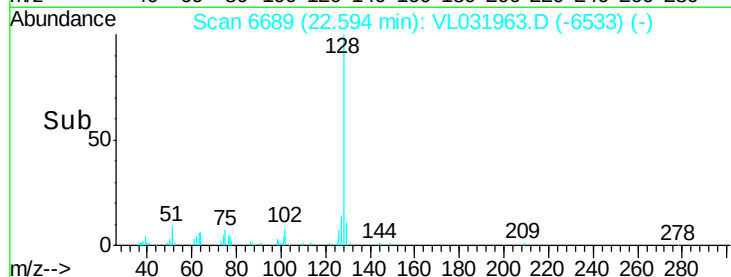
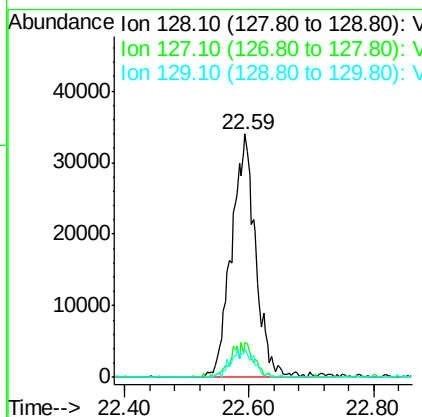
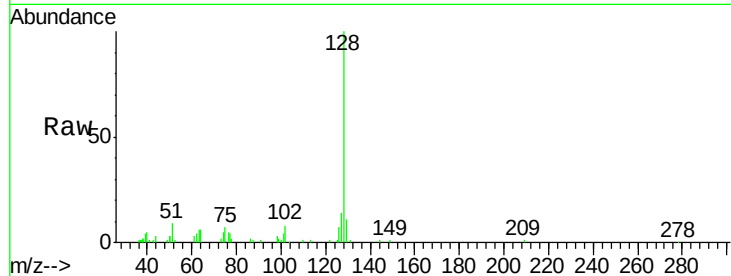
#79
Naphthalene
Concen: 0.52 ppbv m
RT: 22.59 min Scan# 6689
Delta R.T. 0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.2	15.4
129	11.5	9.4	14.2

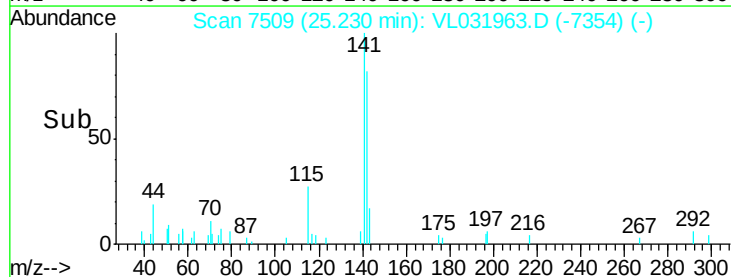
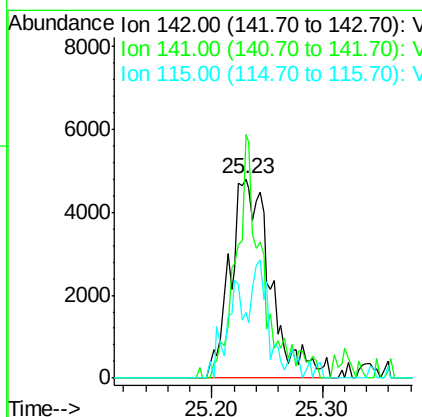
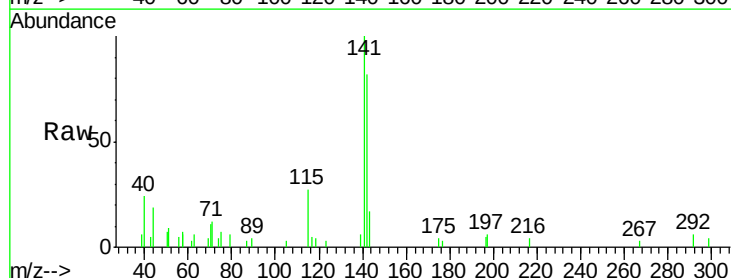
Manual Integrations
APPROVED

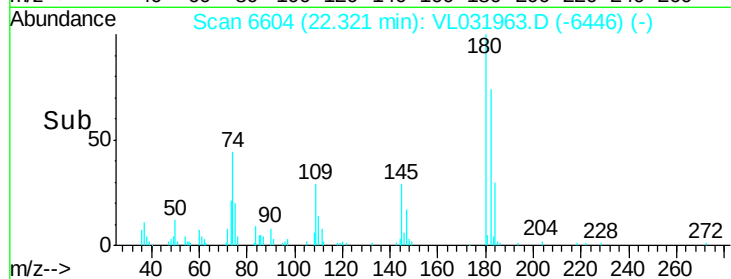
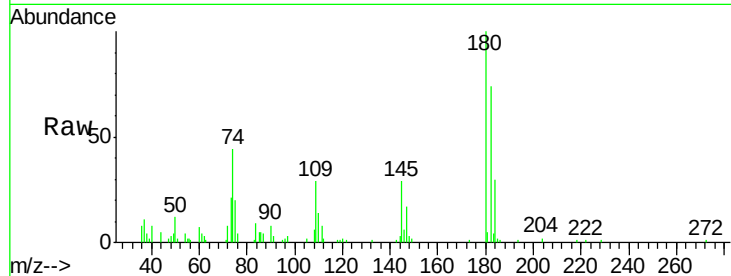
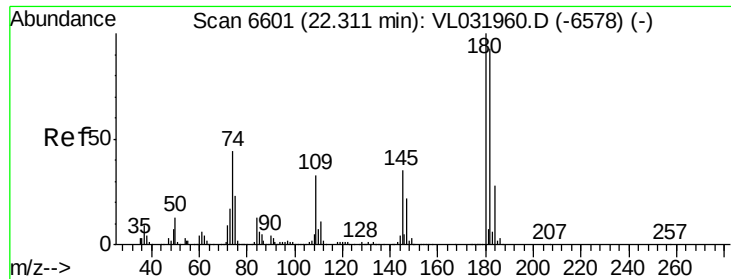
MMDadoda
5/4/2018 5:00:58 PM



#80
Naphthalene, 2-methyl-
Concen: 0.35 ppbv
RT: 25.23 min Scan# 7509
Delta R.T. -0.00 min
Lab File: VL031963.D
Acq: 3 May 2018 13:22

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.2	67.0	100.4
115	52.4	35.3	52.9





#81
 1,2,4-Trichlorobenzene
 Concen: 0.61 ppbv m
 RT: 22.32 min Scan# 6604
 Delta R.T. 0.01 min
 Lab File: VL031963.D
 Acq: 3 May 2018 13:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.3	114.5#
184	0.0	24.2	36.2#

Manual Integrations
 APPROVED

MMDadoda
 5/4/2018 5:00:58 PM

