

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041918\
 Data File : VX000998.D
 Acq On : 19 Apr 2018 19:20
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 4/20/2018 2:09:32 PM

Quant Time: Apr 20 04:55:07 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 04:18:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	254055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	339001	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	327690	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	231640	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	421564	131.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	262.46%	
35) Dibromofluoromethane	5.51	113	367136	154.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	308.90%	
50) Toluene-d8	8.73	98	1328668	155.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	311.40%	
62) 4-Bromofluorobenzene	11.15	95	560035	158.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	317.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	490654	202.53	ug/l	98
3) Chloromethane	1.32	50	436815	175.20	ug/l	100
4) Vinyl Chloride	1.41	62	441988	182.02	ug/l	99
5) Bromomethane	1.64	94	207645	129.96	ug/l	99
6) Chloroethane	1.72	64	248138	145.39	ug/l	99
7) Trichlorofluoromethane	1.92	101	630647	171.64	ug/l	100
8) Diethyl Ether	2.19	74	232718	165.47	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	366529	166.76	ug/l	99
10) Methyl Iodide	2.51	142	447134	225.50	ug/l	98
11) Tert butyl alcohol	3.09	59	350299	838.55	ug/l	100
12) 1,1-Dichloroethene	2.37	96	346442	165.25	ug/l	98
13) Acrolein	2.30	56	117237	1379.17	ug/l	100
14) Allyl chloride	2.73	41	637504	163.23	ug/l	98
15) Acrylonitrile	3.16	53	921955	834.88	ug/l	99
16) Acetone	2.45	43	788552	754.84	ug/l	98
17) Carbon Disulfide	2.57	76	1037353	159.03	ug/l	100
18) Methyl Acetate	2.78	43	547373	202.28	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	1150450	168.44	ug/l	99
20) Methylene Chloride	2.86	84	370372	151.04	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	379056	159.92	ug/l	97
22) Diisopropyl ether	3.88	45	1255475	168.09	ug/l	99
23) Vinyl Acetate	3.83	43	5108972	838.17	ug/l	100
24) 1,1-Dichloroethane	3.70	63	679461	168.73	ug/l	100
25) 2-Butanone	4.71	43	1328259	826.06	ug/l	99
26) 2,2-Dichloropropane	4.59	77	604077	170.97	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	436881	170.34	ug/l	98
28) Bromochloromethane	5.03	49	265841	157.45	ug/l	99
29) Tetrahydrofuran	5.17	42	845041	824.60	ug/l	100
30) Chloroform	5.23	83	710893	171.38	ug/l	98
31) Cyclohexane	5.58	56	629941	172.86	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	661979	179.25	ug/l	99
36) 1,1-Dichloropropene	5.81	75	552046	170.85	ug/l	99
37) Ethyl Acetate	4.87	43	523740	173.98	ug/l	100
38) Carbon Tetrachloride	5.79	117	601620	178.86	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	663915	171.93	ug/l	99
40) Benzene	6.15	78	1572717	174.48	ug/l	100
41) Methacrylonitrile	5.07	41	313754	166.41	ug/l	99
42) 1,2-Dichloroethane	6.21	62	574728	164.18	ug/l	99
43) Isopropyl Acetate	6.48	43	920277	180.73	ug/l	100
44) Trichloroethene	7.22	130	478389	168.43	ug/l	98
45) 1,2-Dichloropropane	7.52	63	404923	172.84	ug/l	100
46) Dibromomethane	7.67	93	277099	171.53	ug/l	99
47) Bromodichloromethane	7.91	83	555266	185.60	ug/l	98
48) Methyl methacrylate	7.79	41	490278	171.55	ug/l	99
49) 1,4-Dioxane	7.77	88	147468	3788.35	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	2805479	908.96	ug/l	99
52) Toluene	8.79	92	1045809	176.77	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	677224	188.61	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	663846	193.85	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	414455	180.10	ug/l	99
56) Ethyl methacrylate	9.19	69	652983	187.25	ug/l	98
57) 1,3-Dichloropropane	9.38	76	673304	177.02	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1534509	965.43	ug/l	99
59) 2-Hexanone	9.51	43	2154073	910.04	ug/l	98
60) Dibromochloromethane	9.59	129	496813	195.76	ug/l	99
61) 1,2-Dibromoethane	9.68	107	448598	180.38	ug/l	100
64) Tetrachloroethene	9.34	164	471024	162.15	ug/l	98
65) Chlorobenzene	10.15	112	1231918	171.34	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	462892	185.11	ug/l	99
67) Ethyl Benzene	10.26	91	2054620	174.34	ug/l	99
68) m/p-Xylenes	10.37	106	1639051	350.85	ug/l	98
69) o-Xylene	10.71	106	792135	174.20	ug/l	99
70) Styrene	10.72	104	1346394	178.95	ug/l	99
71) Bromoform	10.87	173	437861	203.73	ug/l	99
73) Isopropylbenzene	11.02	105	2131802	167.40	ug/l	99
74) N-amyl acetate	6.48	43	920277	173.10	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	638493	177.67	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	579222m	146.41	ug/l	
77) Bromobenzene	11.26	156	625676	167.95	ug/l	100
78) n-propylbenzene	11.37	91	2405557	163.34	ug/l	99
79) 2-Chlorotoluene	11.43	91	1426748	163.73	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1835632	169.71	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.09	75	208130	206.85	ug/l	92
82) 4-Chlorotoluene	11.52	91	1727267	164.65	ug/l	100
83) tert-Butylbenzene	11.78	119	1893196	170.31	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	1890804	171.56	ug/l	100
85) sec-Butylbenzene	11.95	105	2185971	163.76	ug/l	99
86) p-Isopropyltoluene	12.07	119	2047772	166.40	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	1163953	166.49	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	1180728	165.97	ug/l	99
89) n-Butylbenzene	12.40	91	1815826	163.53	ug/l	99
90) Hexachloroethane	12.60	117	349570	196.49	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	1139794	168.84	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	143522	191.18	ug/l	99

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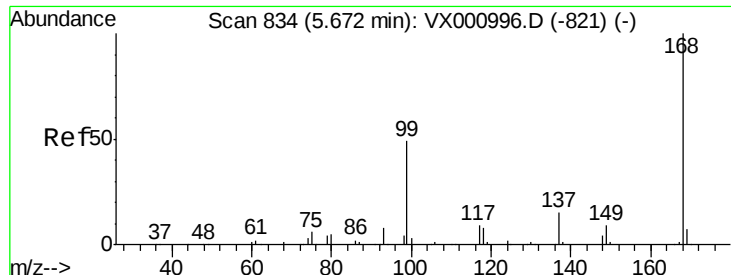
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	959708	160.89	ug/l	100
94) Hexachlorobutadiene	13.79	225	432003	162.74	ug/l	99
95) Naphthalene	13.84	128	2428433	173.44	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	923133	165.79	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 254055

Ion Ratio Lower Upper

168 100

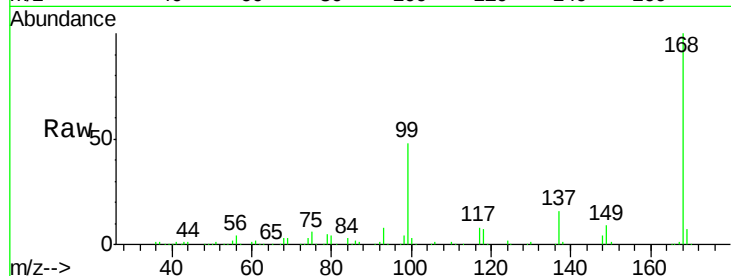
99 48.2 39.2 58.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

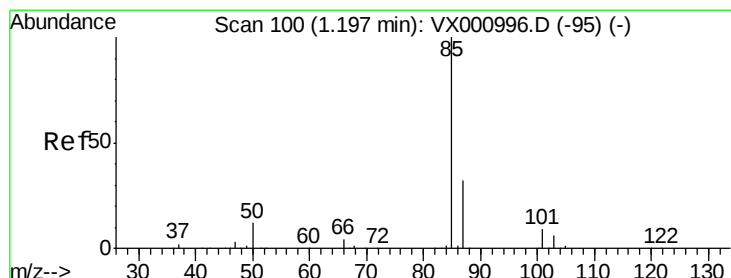
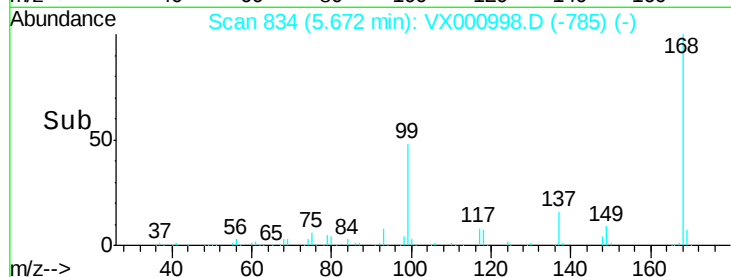
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50000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 202.53 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX000998.D

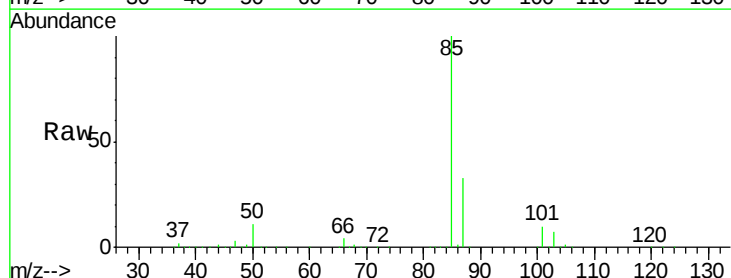
Acq: 19 Apr 2018 19:20

Tgt Ion: 85 Resp: 490654

Ion Ratio Lower Upper

85 100

87 32.6 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

500000

400000

300000

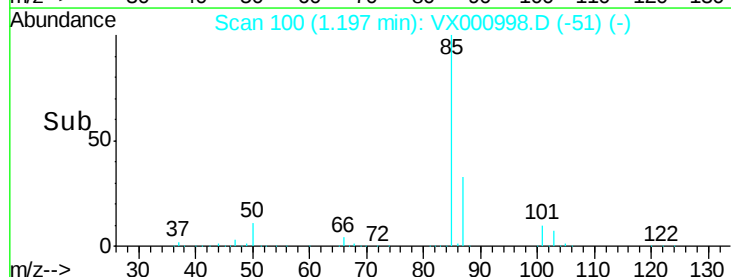
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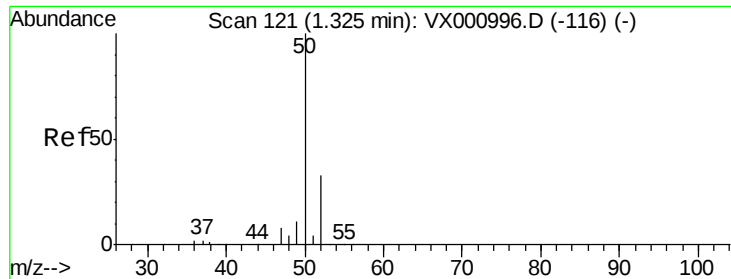
100000

0

1.10 1.20 1.30 1.40

Time-->





#3

Chloromethane

Concen: 175.20 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 436815

Ion Ratio Lower Upper

50 100

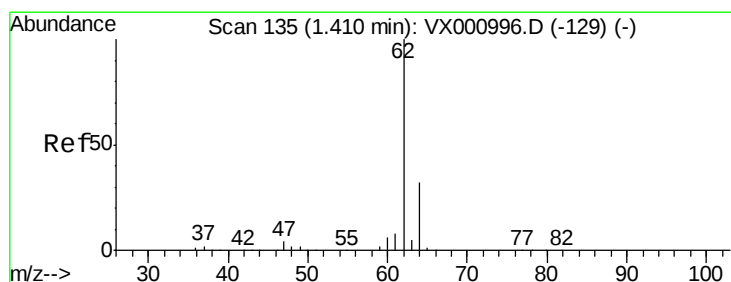
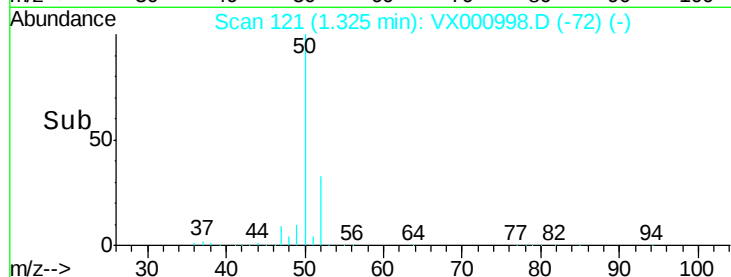
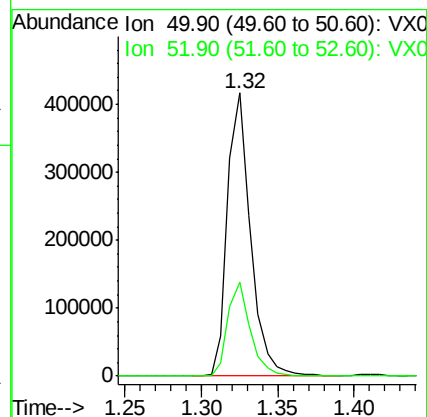
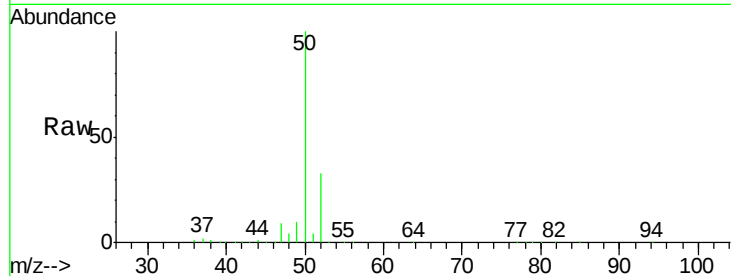
52 33.1 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 182.02 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX000998.D

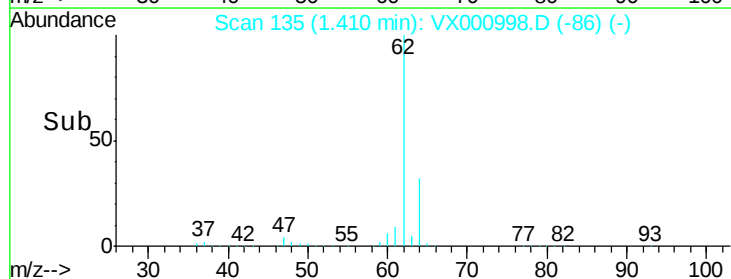
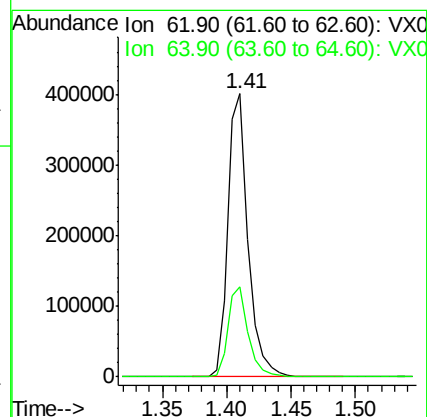
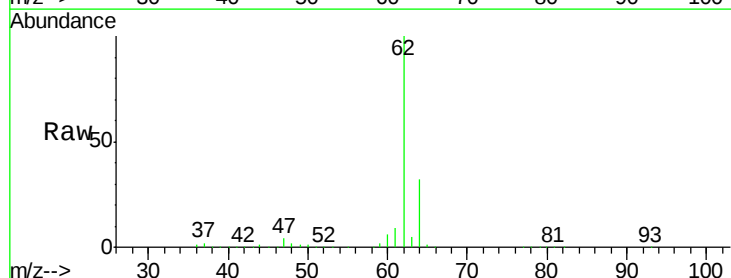
Acq: 19 Apr 2018 19:20

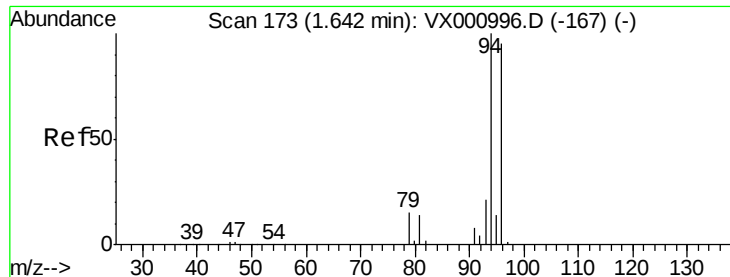
Tgt Ion: 62 Resp: 441988

Ion Ratio Lower Upper

62 100

64 31.7 25.6 38.4





#5

Bromomethane

Concen: 129.96 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 207645

Ion Ratio Lower Upper

94 100

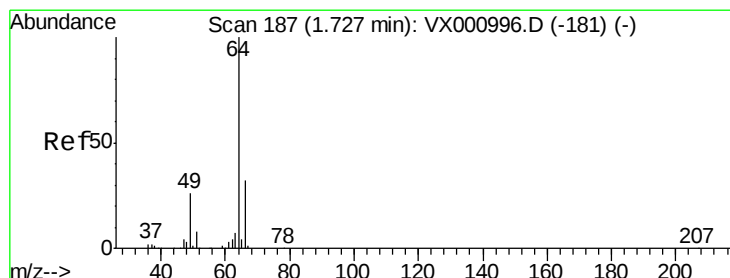
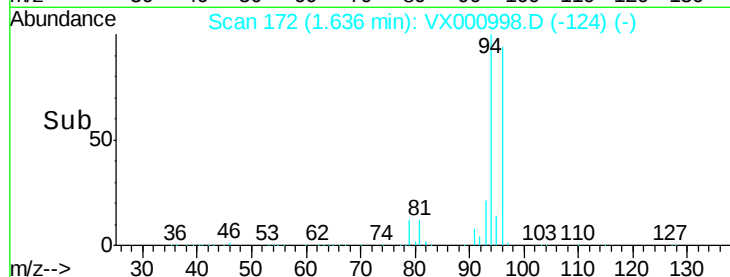
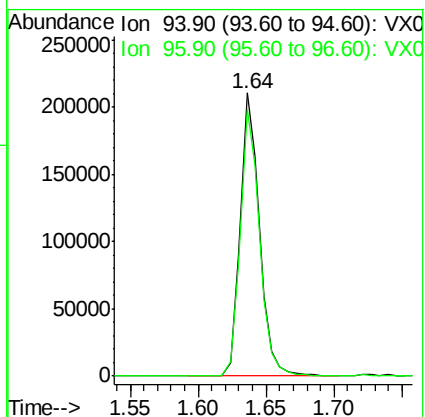
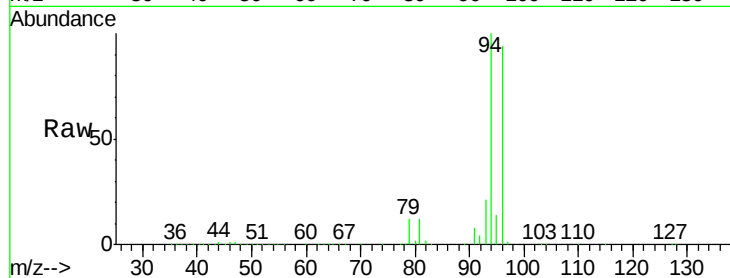
96 94.2 76.0 114.0

Manual Integrations

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#6

Chloroethane

Concen: 145.39 ug/l

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX000998.D

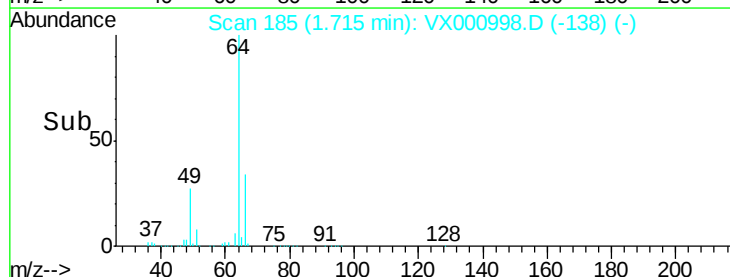
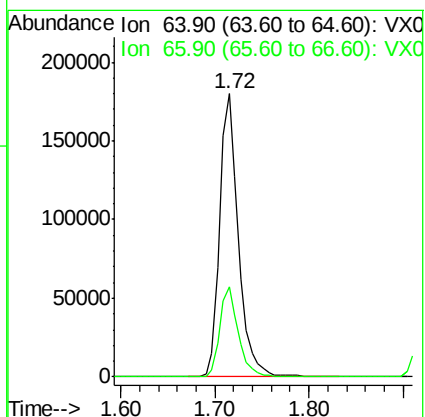
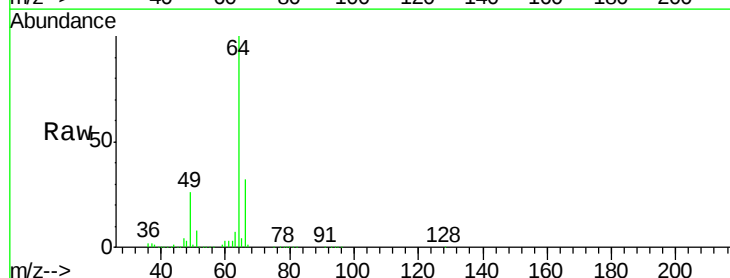
Acq: 19 Apr 2018 19:20

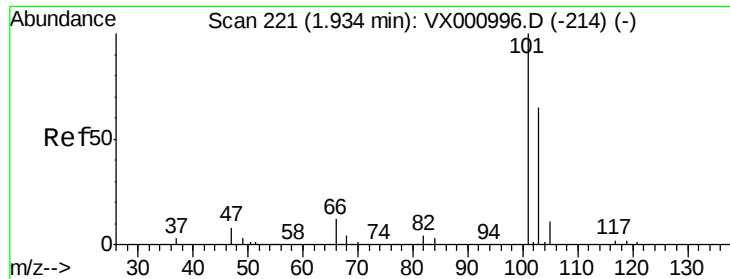
Tgt Ion: 64 Resp: 248138

Ion Ratio Lower Upper

64 100

66 32.0 25.3 37.9





#7

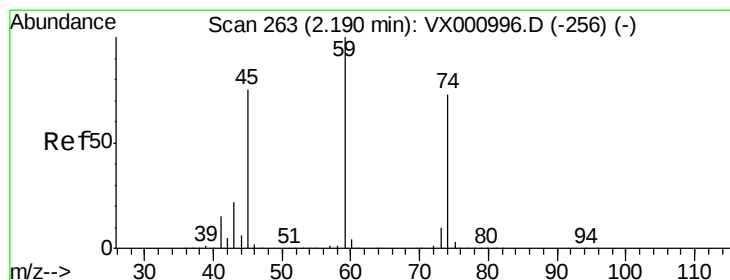
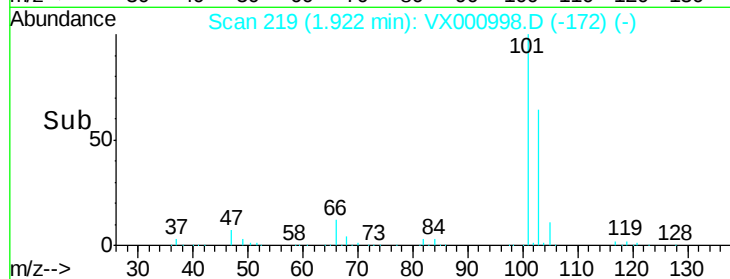
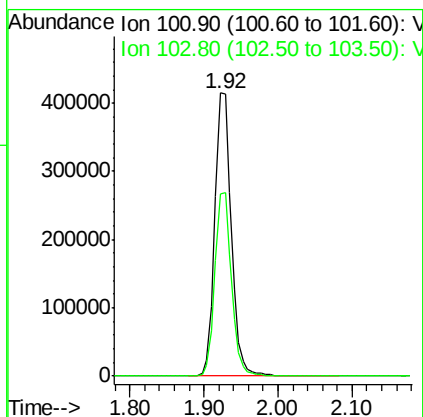
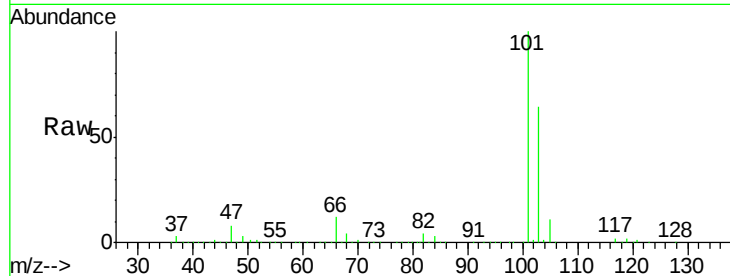
Trichlorofluoromethane
 Concen: 171.64 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VX000998.D
 Acq: 19 Apr 2018 19:20

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 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.8	77.8

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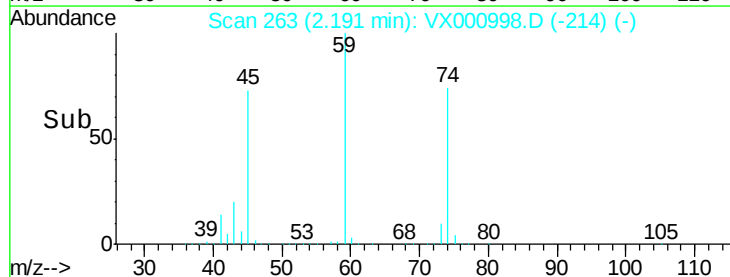
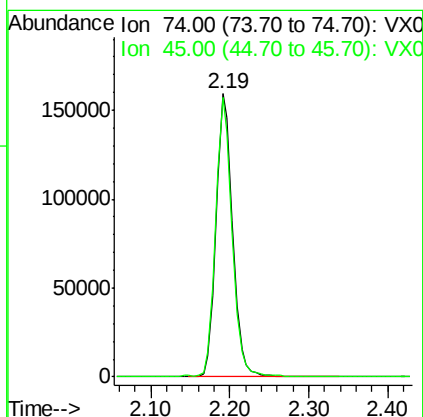
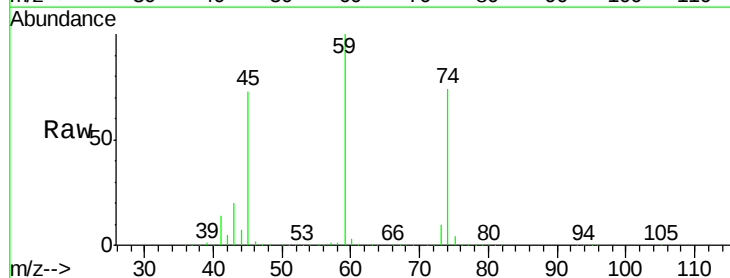
MMDadoda
 4/20/2018 2:09:32 PM

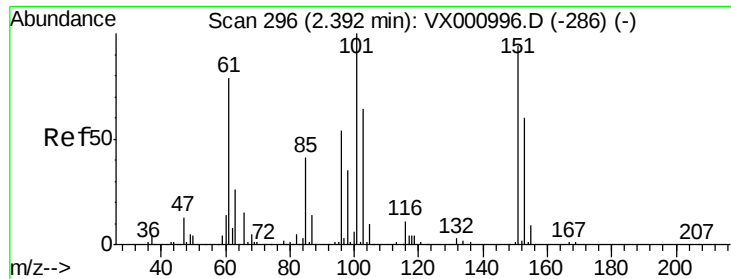


#8

Diethyl Ether
 Concen: 165.47 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX000998.D
 Acq: 19 Apr 2018 19:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.1	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 166.76 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

Instrument :

MSVOA_X

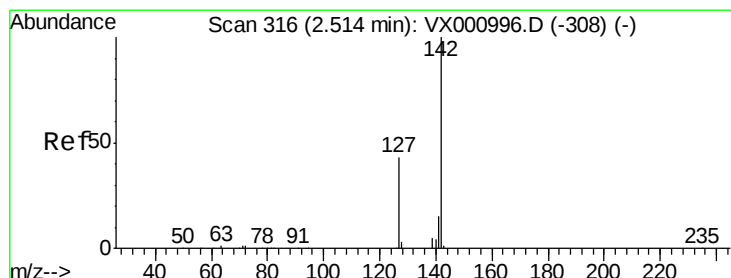
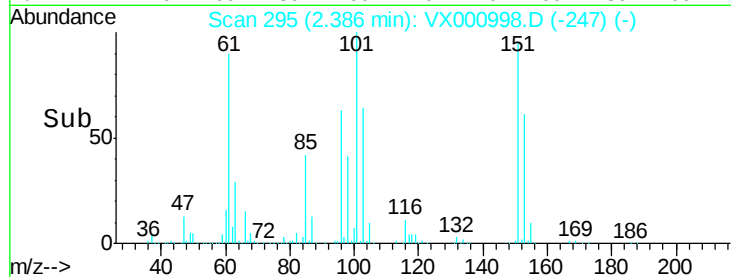
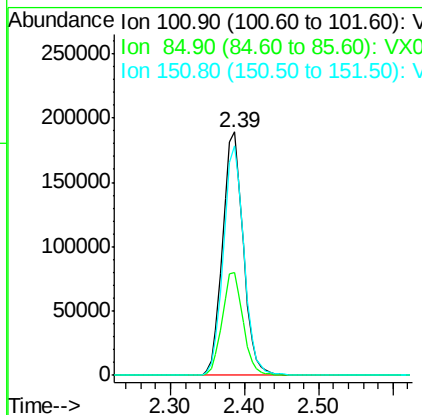
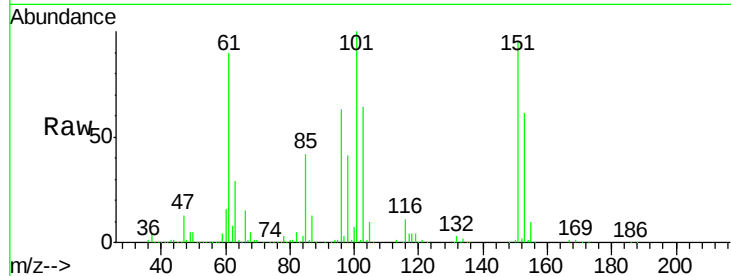
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	366529
Ion Ratio	Lower	Upper	
101	100		
85	42.6	33.9	50.9
151	93.8	73.5	110.3

Manual Integrations
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#10

Methyl Iodide

Concen: 225.50 ug/l

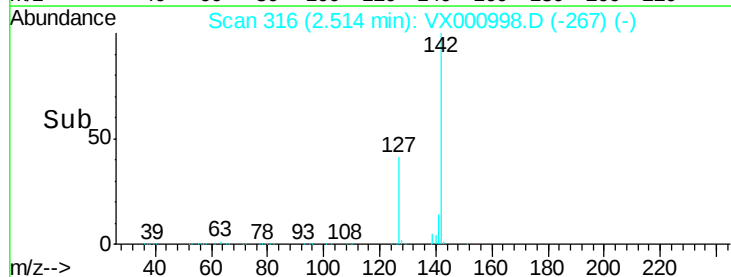
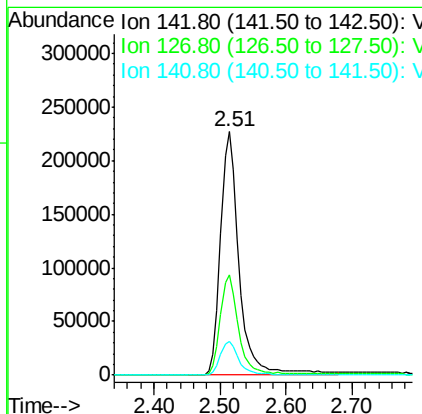
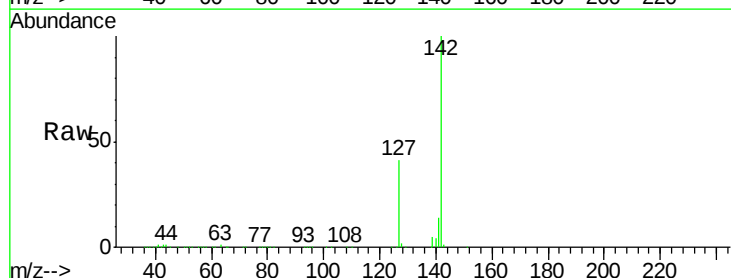
RT: 2.51 min Scan# 316

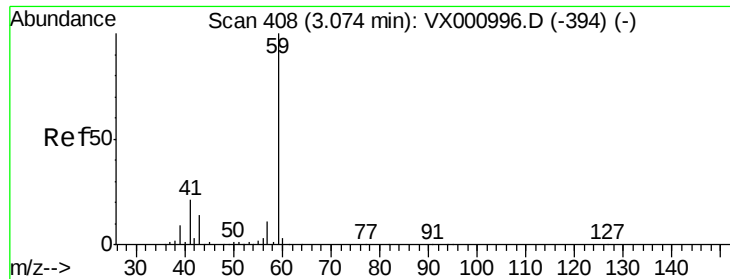
Delta R.T. 0.00 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

Tgt Ion:	142	Resp:	447134
Ion Ratio	Lower	Upper	
142	100		
127	40.7	34.0	51.0
141	13.8	11.4	17.2





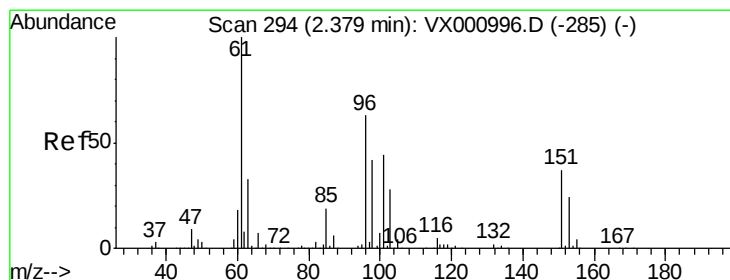
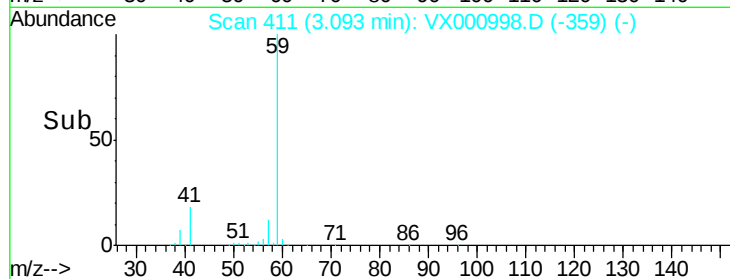
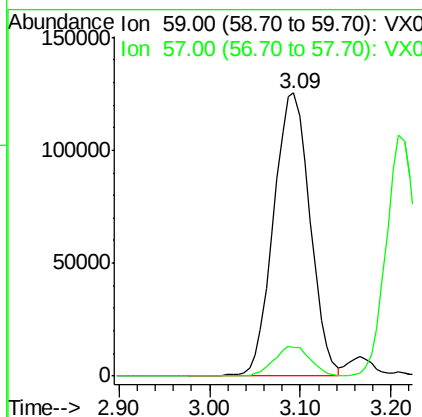
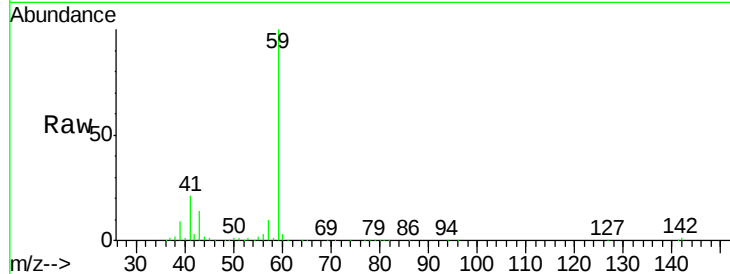
#11
Tert butyl alcohol
Concen: 838.55 ug/l
RT: 3.09 min Scan# 411
Delta R.T. 0.02 min
Lab File: VX000998.D
Acq: 19 Apr 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.3	12.5

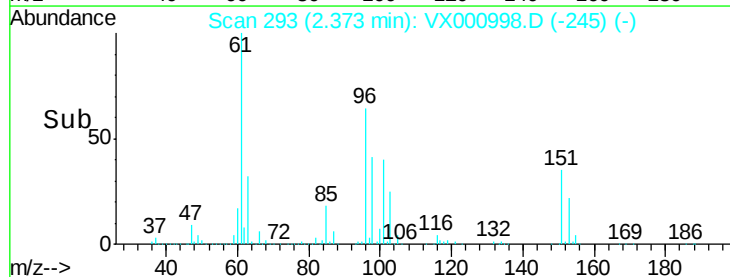
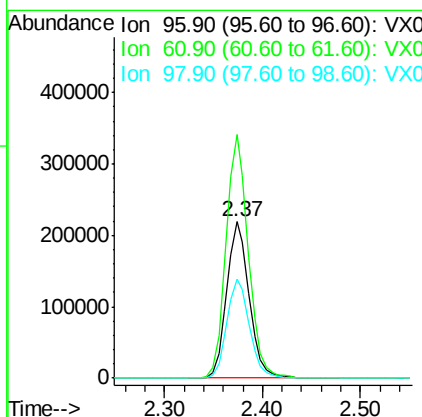
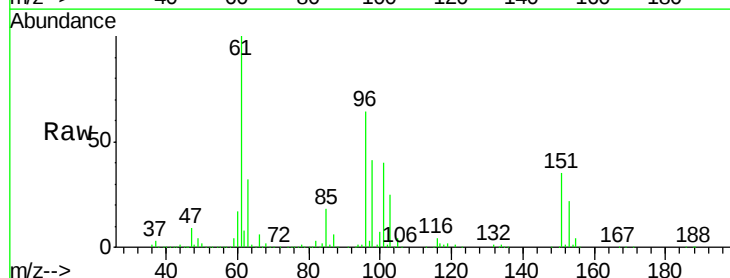
Manual Integrations
APPROVED

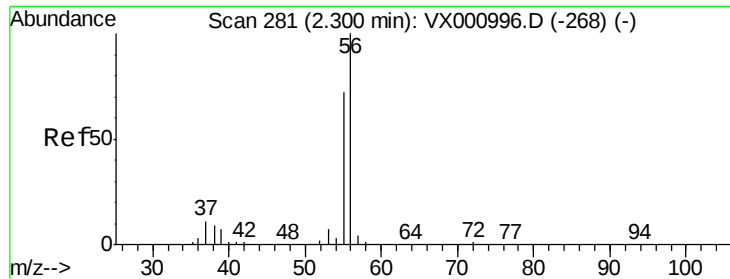
MMDadoda
4/20/2018 2:09:32 PM



#12
1,1-Dichloroethene
Concen: 165.25 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.01 min
Lab File: VX000998.D
Acq: 19 Apr 2018 19:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.8	126.4	189.6
98	63.6	52.6	78.8





#13

Acrolein

Concen: 1379.17 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 117237

Ion Ratio Lower Upper

56 100

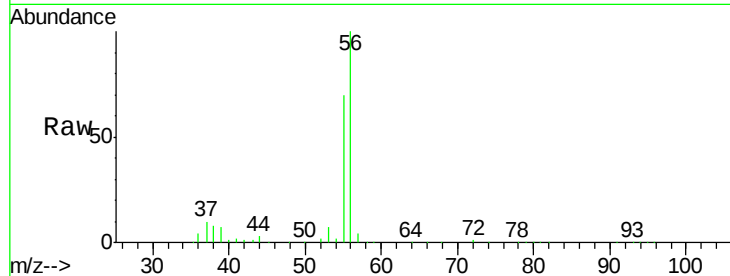
55 71.6 57.4 86.2

Manual Integrations

APPROVED

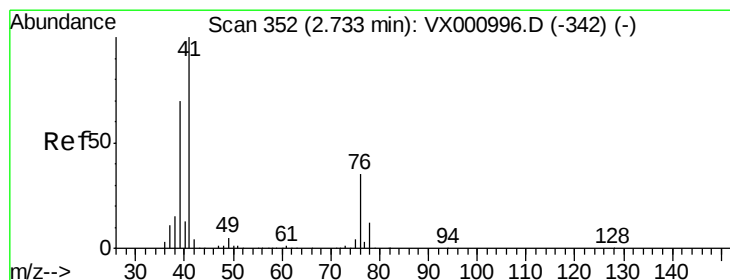
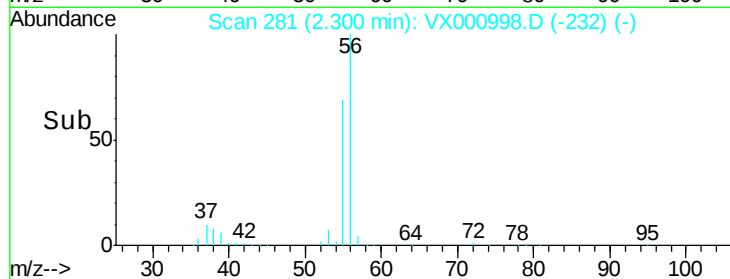
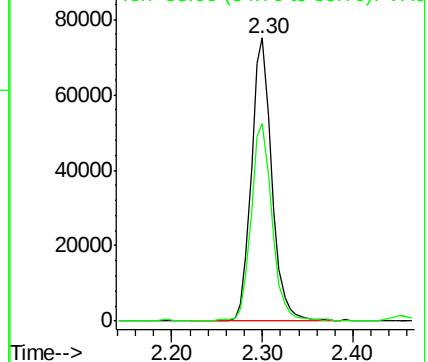
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 163.23 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

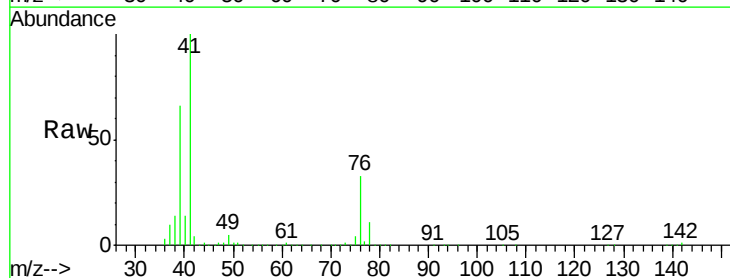
Tgt Ion: 41 Resp: 637504

Ion Ratio Lower Upper

41 100

39 64.4 53.0 79.6

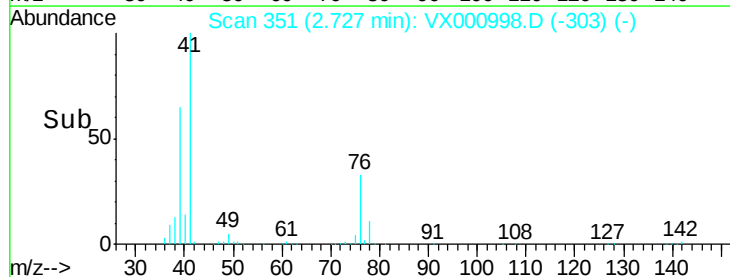
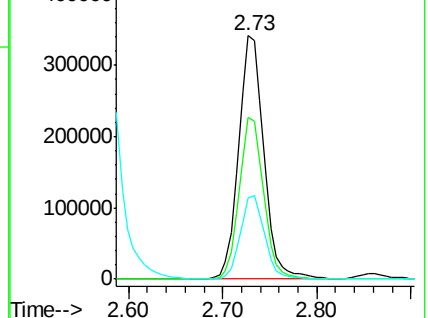
76 32.8 25.9 38.9



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 834.88 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

Instrument :

MSVOA_X

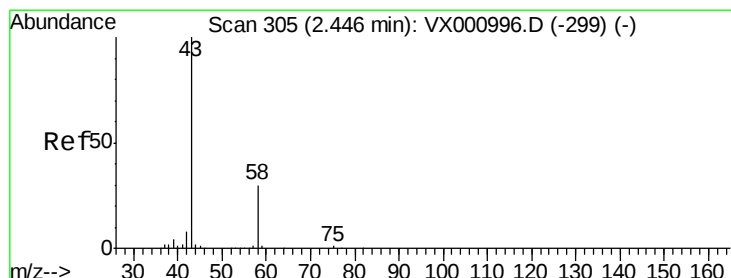
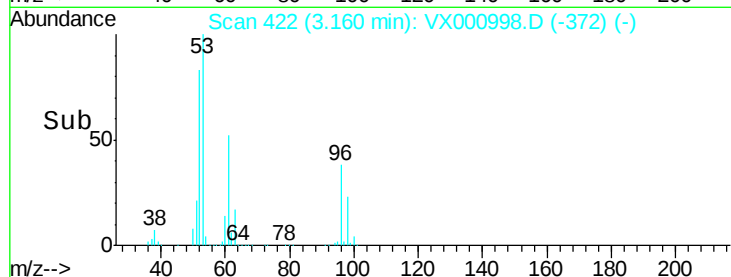
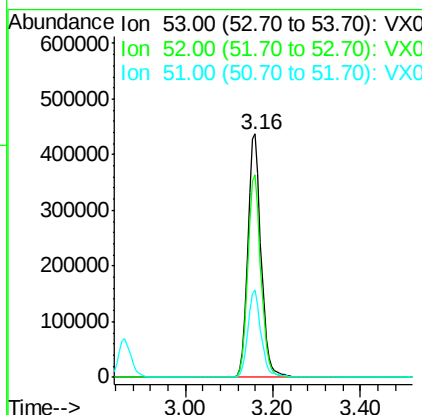
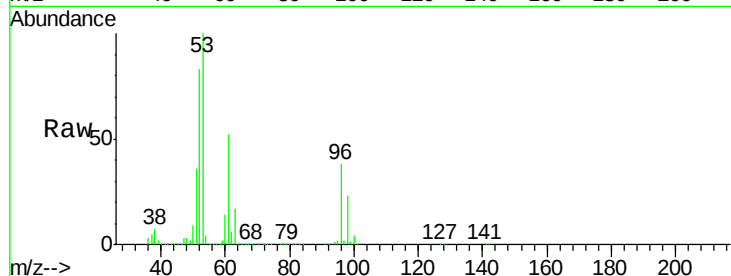
ClientSampleId :

VSTDICC150

Tot Ion:	53	Resp:	921955
Ion Ratio	Lower	Upper	
53	100		
52	82.2	66.4	99.6
51	35.8	29.0	43.6

Manual Integrations
APPROVED

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#16

Acetone

Concen: 754.84 ug/l

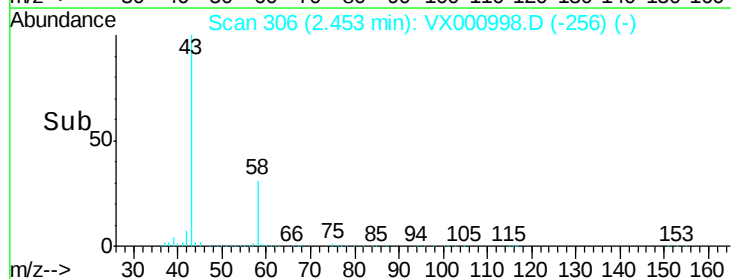
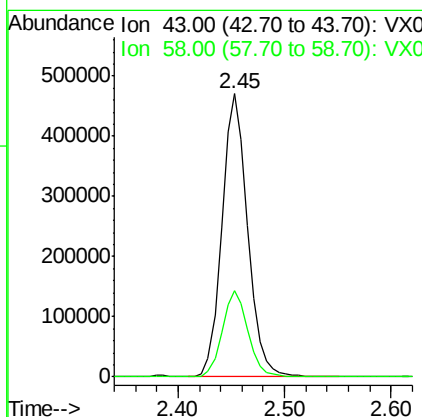
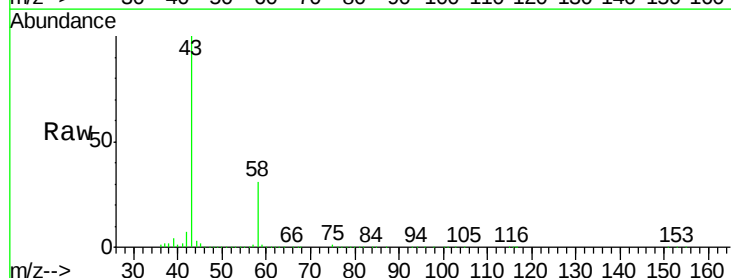
RT: 2.45 min Scan# 306

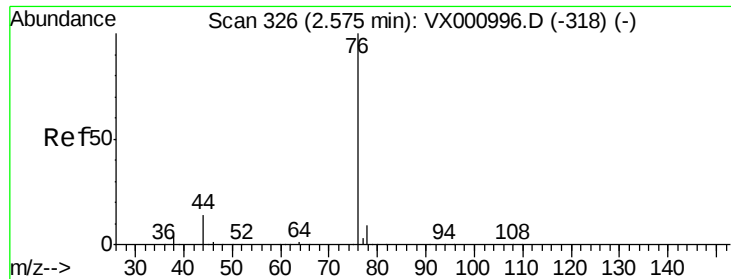
Delta R.T. 0.01 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

Tgt Ion:	43	Resp:	788552
Ion Ratio	Lower	Upper	
43	100		
58	30.7	23.7	35.5





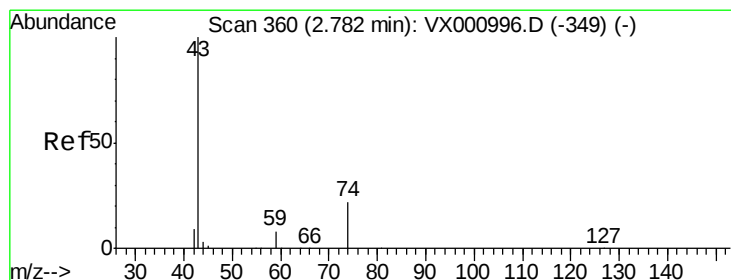
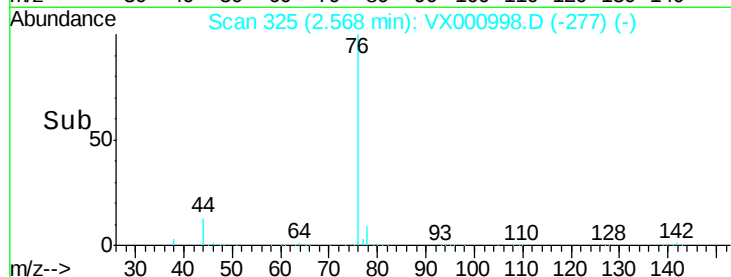
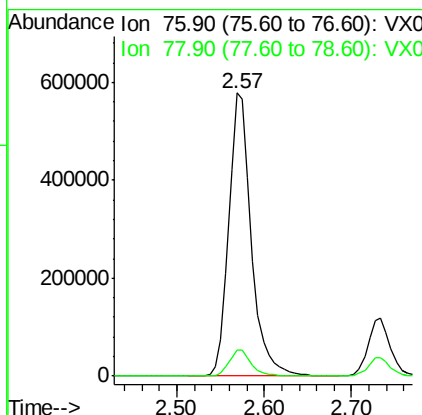
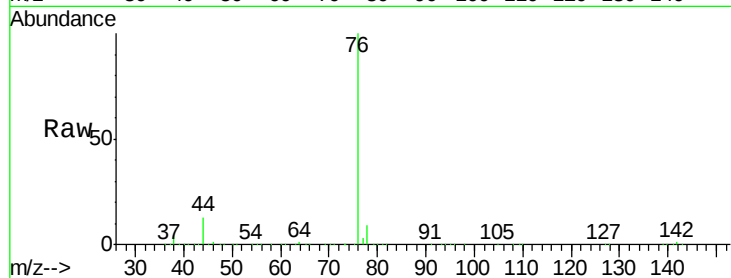
#17
Carbon Disulfide
Concen: 159.03 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.01 min
Lab File: VX000998.D
Acq: 19 Apr 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1037353
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

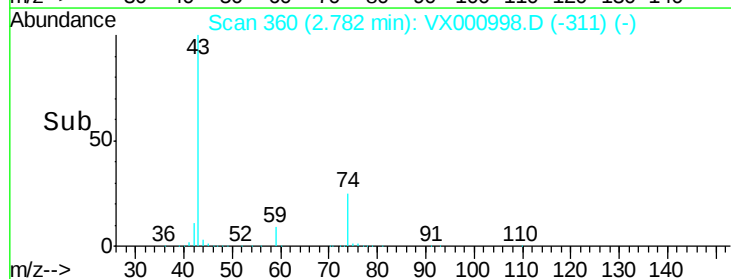
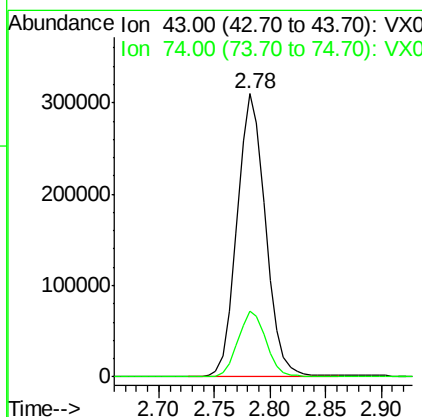
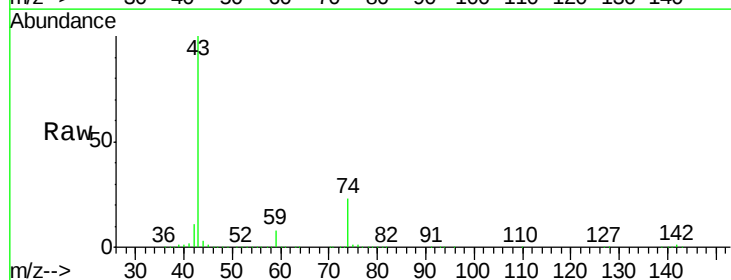
Manual Integrations
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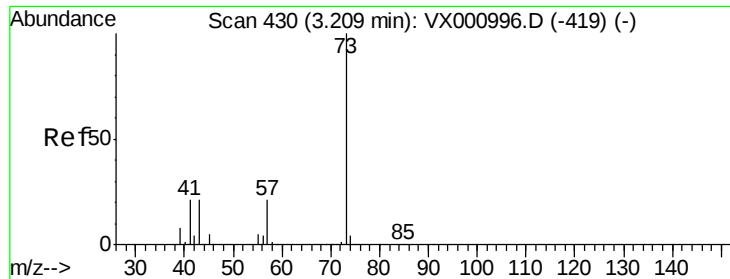
MMDadoda
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#18
Methyl Acetate
Concen: 202.28 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX000998.D
Acq: 19 Apr 2018 19:20

Tgt Ion: 43 Resp: 547373
Ion Ratio Lower Upper
43 100
74 23.2 18.3 27.5





#19

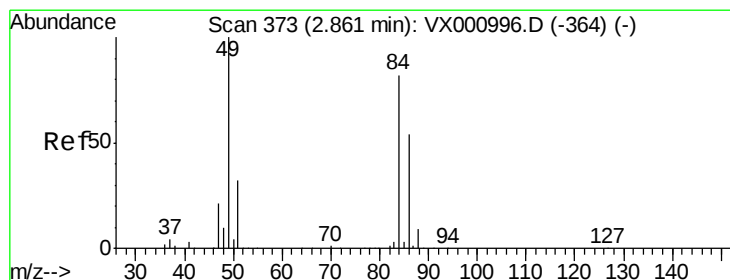
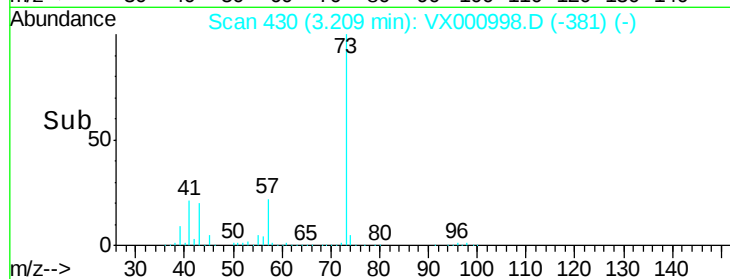
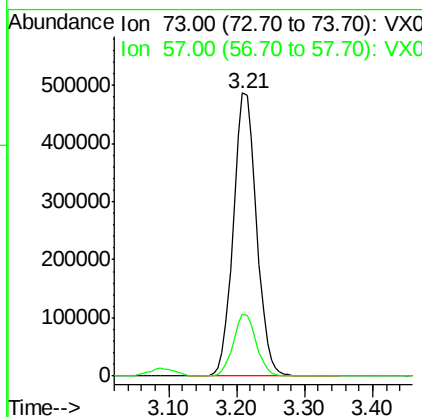
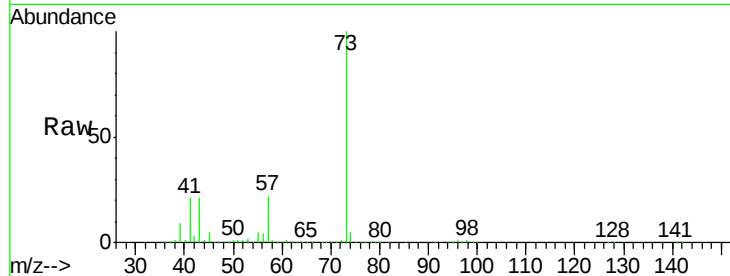
Methyl tert-butyl Ether
 Concen: 168.44 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX000998.D
 Acq: 19 Apr 2018 19:20

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion: 73 Resp: 1150450
 Ion Ratio Lower Upper
 73 100
 57 21.9 17.1 25.7

Manual Integrations
 APPROVED

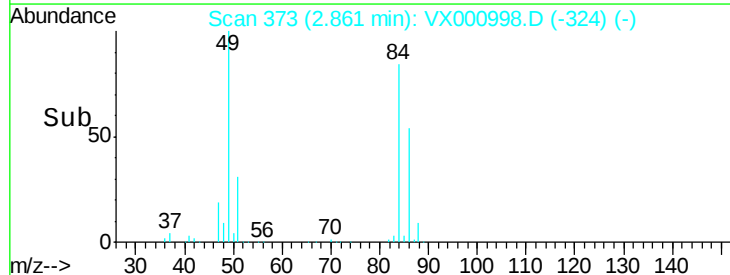
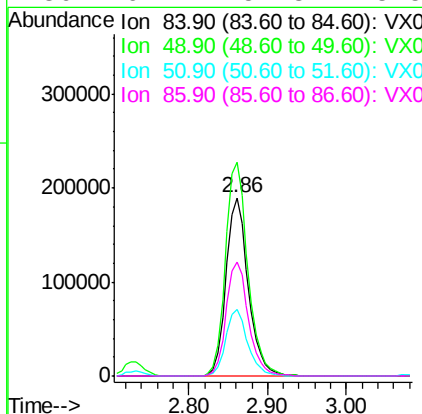
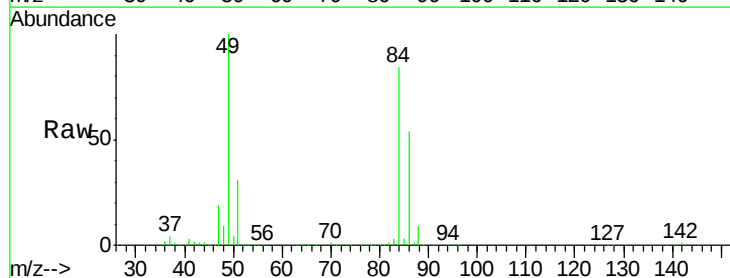
MMDadoda
 4/20/2018 2:09:32 PM

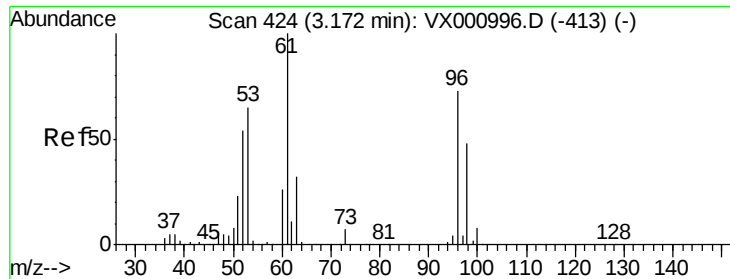


#20

Methylene Chloride
 Concen: 151.04 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX000998.D
 Acq: 19 Apr 2018 19:20

Tgt Ion: 84 Resp: 370372
 Ion Ratio Lower Upper
 84 100
 49 119.7 97.1 145.7
 51 37.1 30.8 46.2
 86 64.1 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 159.92 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 379056

Ion Ratio Lower Upper

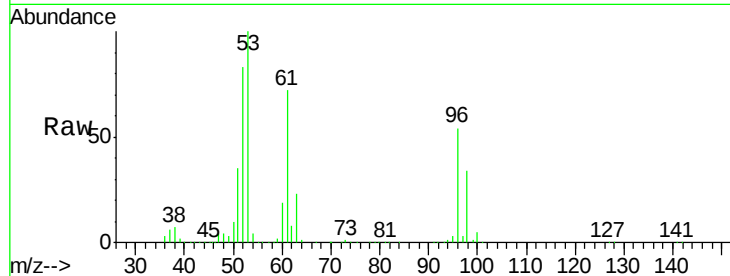
96 100

61 132.7 109.4 164.2

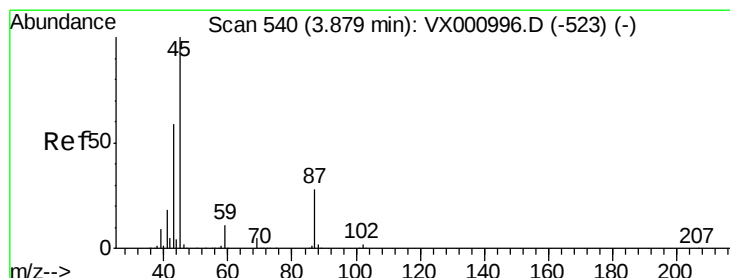
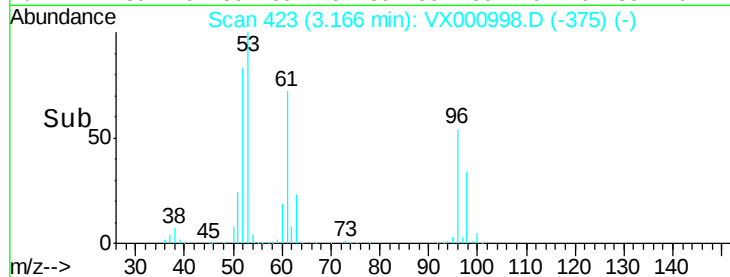
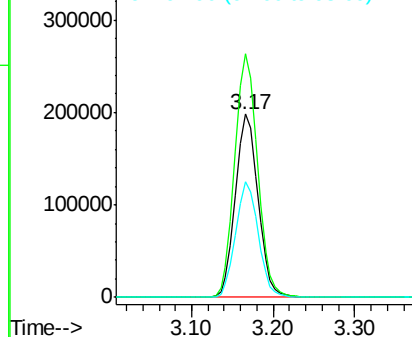
98 63.2 52.6 78.8

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 168.09 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

Tgt Ion: 45 Resp: 1255475

Ion Ratio Lower Upper

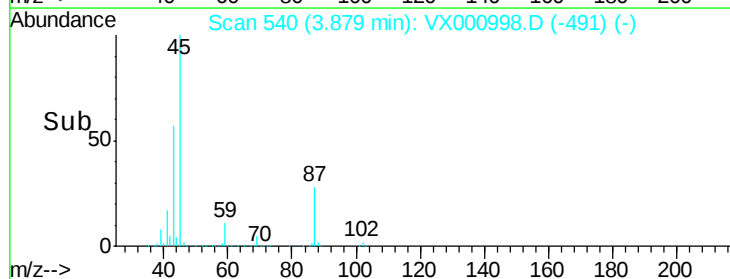
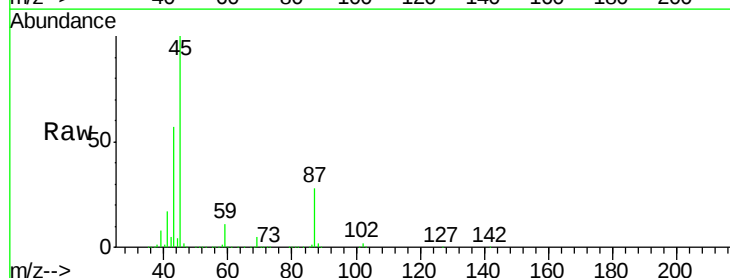
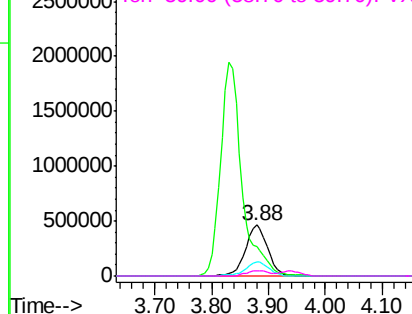
45 100

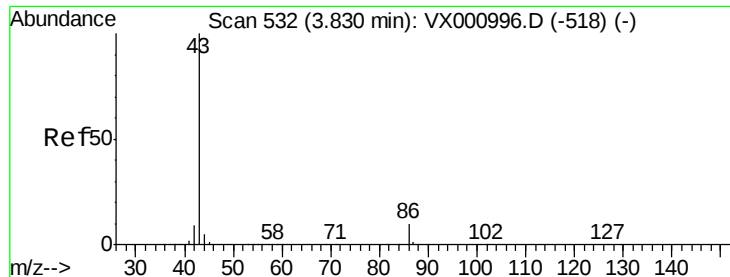
43 57.2 47.0 70.4

87 28.3 22.5 33.7

59 11.4 8.8 13.2

Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 838.17 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 5108972

Ion Ratio Lower Upper

43 100

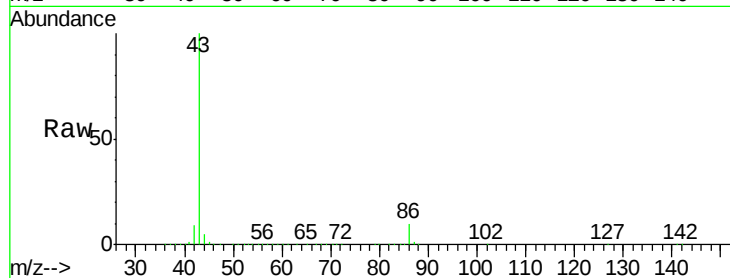
86 10.2 8.1 12.1

Manual Integrations

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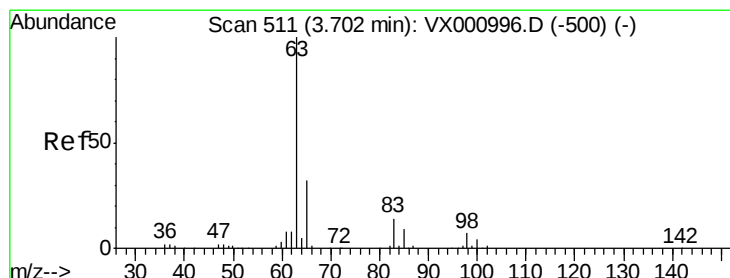
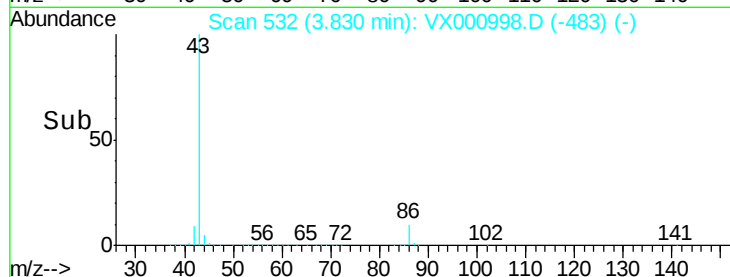
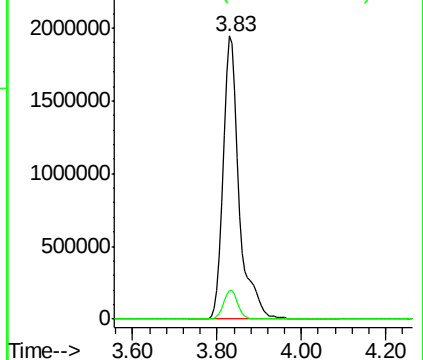
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 168.73 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

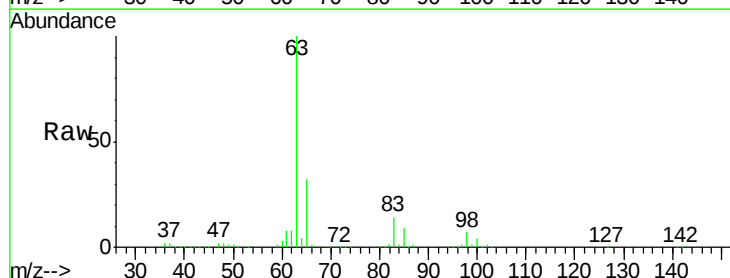
Tgt Ion: 63 Resp: 679461

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

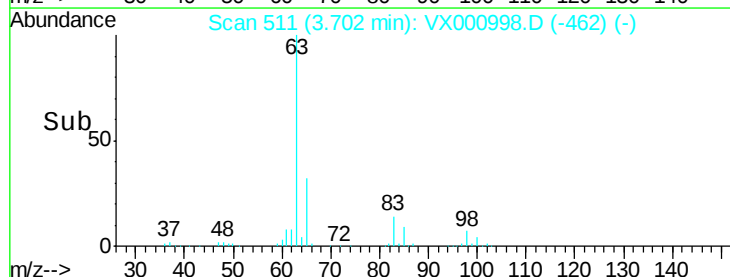
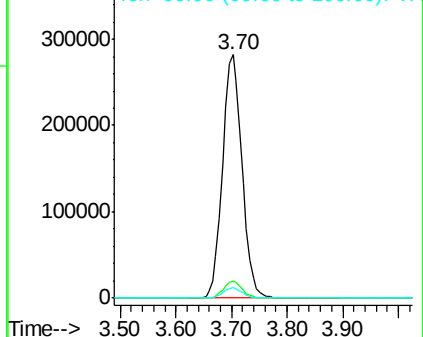
100 4.3 2.1 6.3

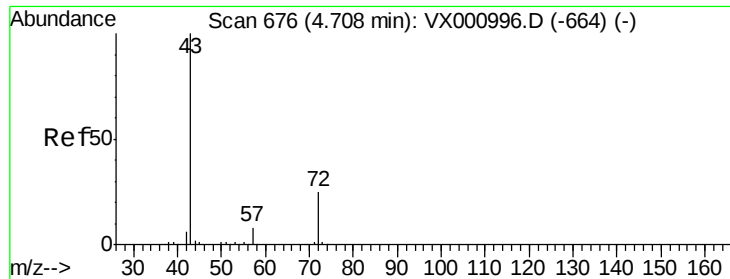


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 826.06 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1328259

Ion Ratio Lower Upper

43 100

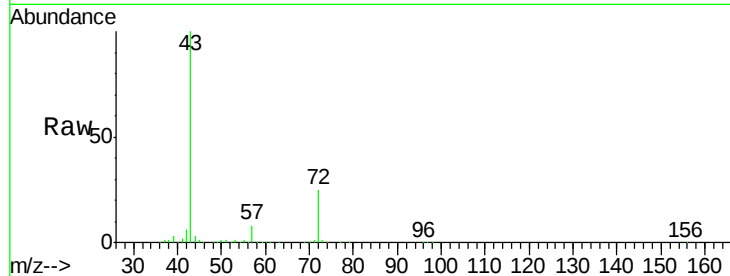
72 25.3 19.9 29.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

500000

400000

300000

200000

100000

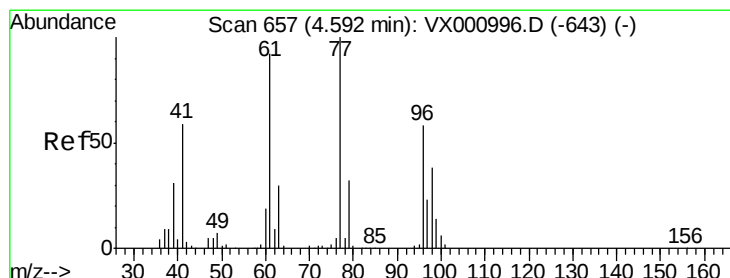
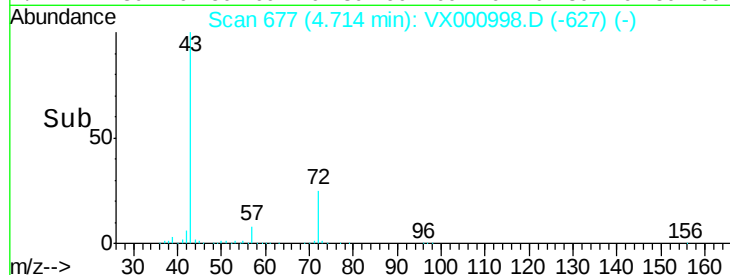
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 170.97 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX000998.D

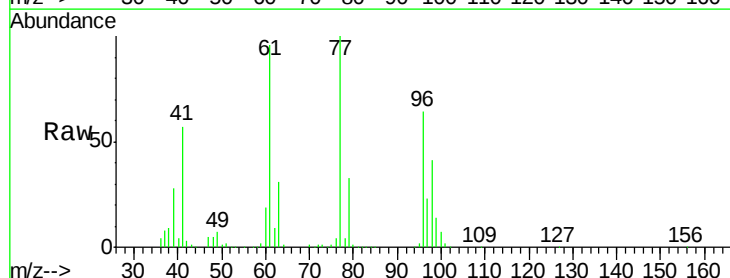
Acq: 19 Apr 2018 19:20

Tgt Ion: 77 Resp: 604077

Ion Ratio Lower Upper

77 100

97 23.1 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

200000

150000

100000

50000

0

4.40

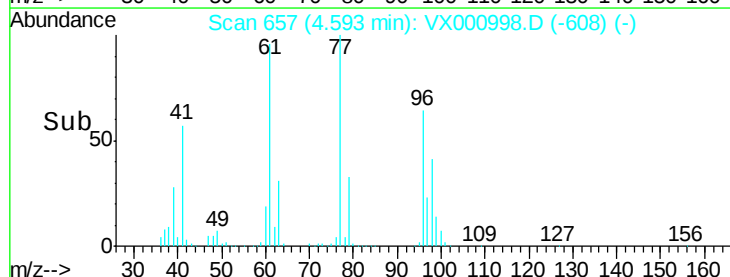
4.50

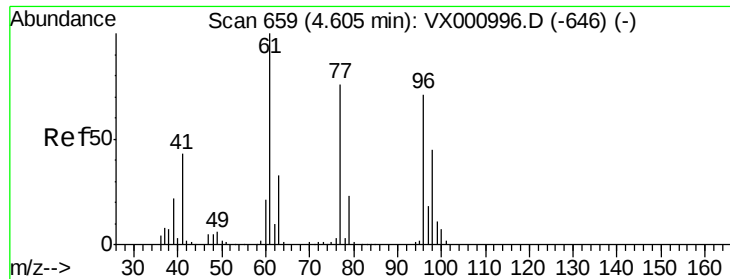
4.60

4.70

4.80

Time-->





#27

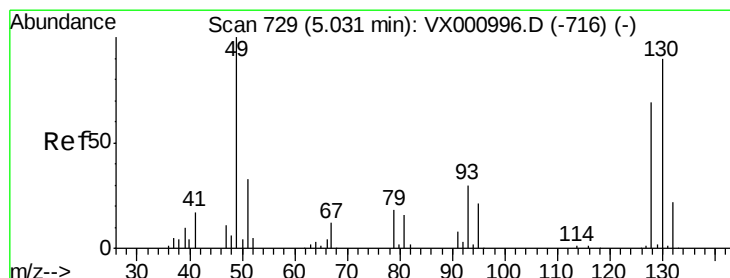
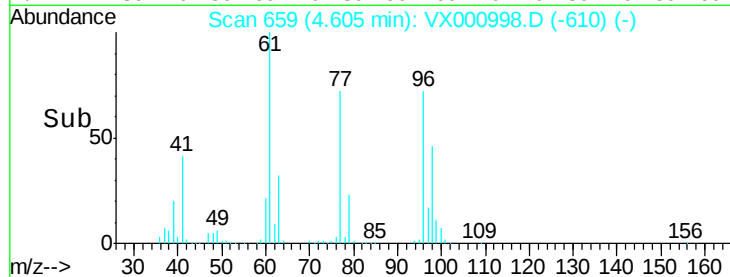
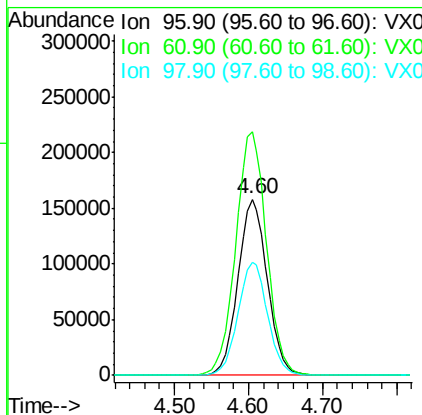
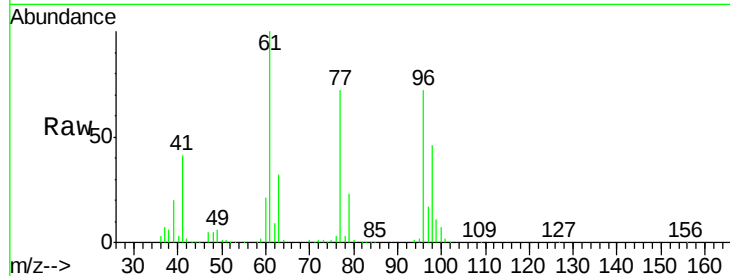
cis-1,2-Dichloroethene
 Concen: 170.34 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VX000998.D
 Acq: 19 Apr 2018 19:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	436881		
61	144.8	0.0	297.0	
98	64.8	0.0	130.0	

Manual Integrations
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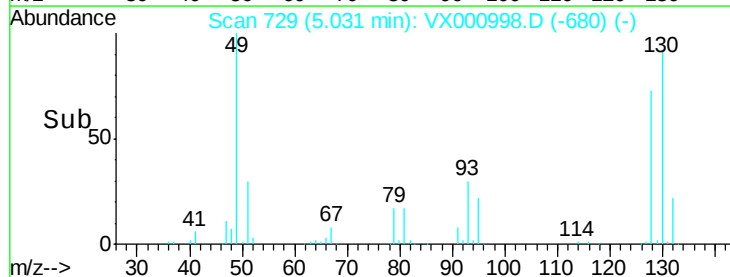
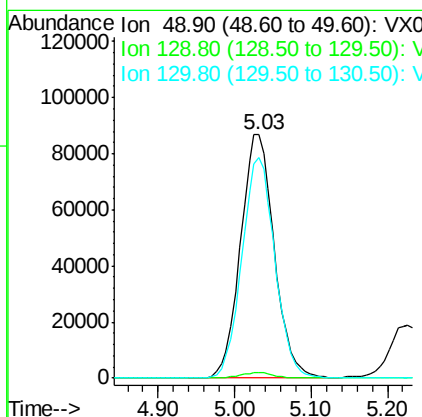
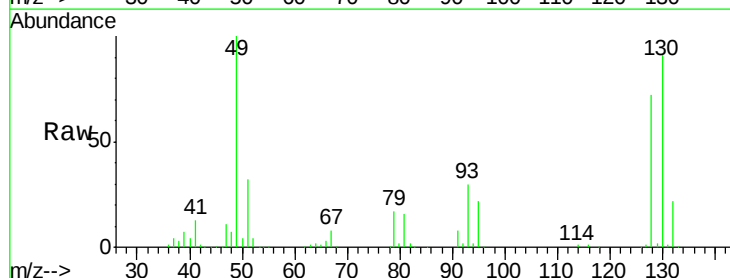
MMDadoda
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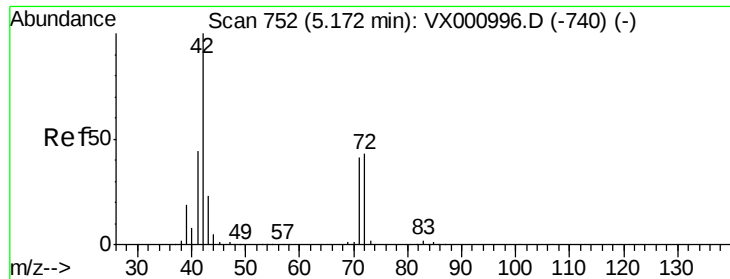


#28

Bromochloromethane
 Concen: 157.45 ug/l
 RT: 5.03 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VX000998.D
 Acq: 19 Apr 2018 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	265841		
129	2.4	0.0	4.8	
130	88.7	70.6	105.8	





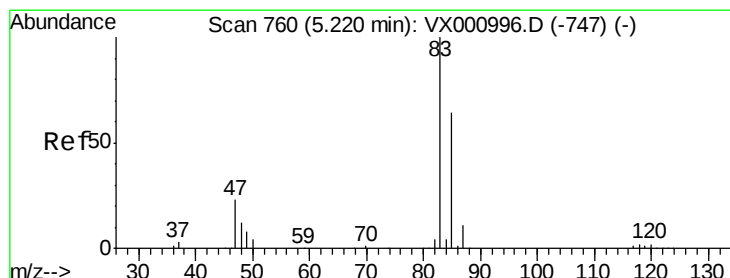
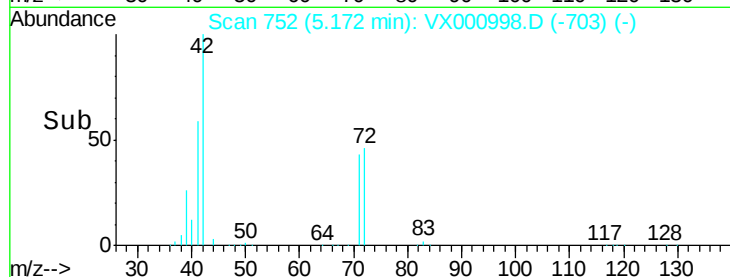
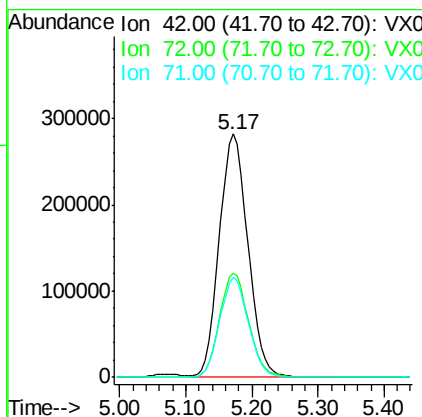
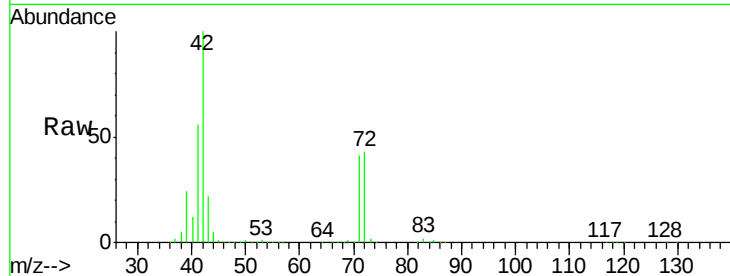
#29
Tetrahydrofuran
Concen: 824.60 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX000998.D
Acq: 19 Apr 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.6	52.0
71	40.9	32.6	49.0

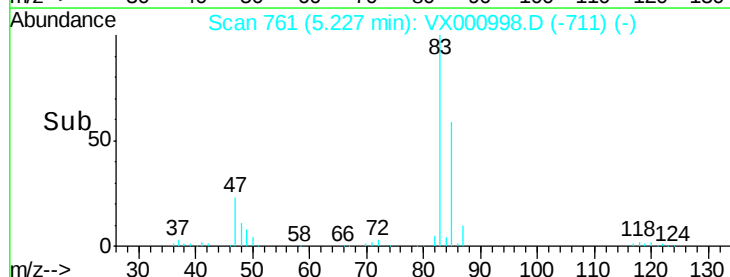
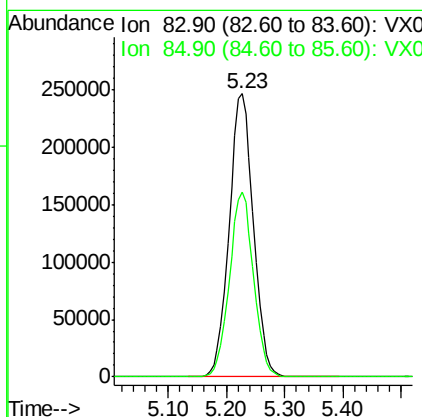
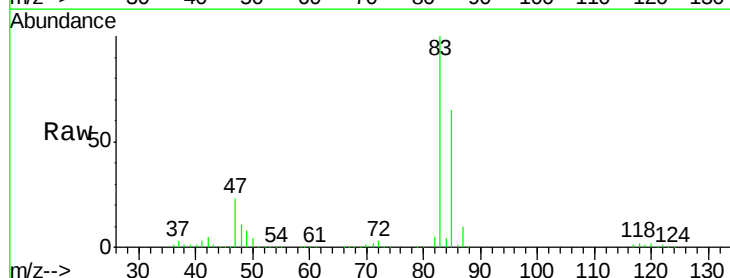
Manual Integrations
APPROVED

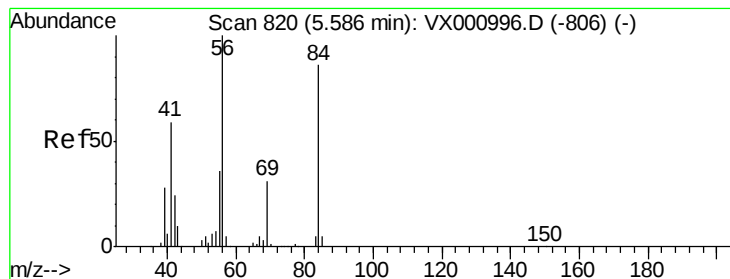
MMDadoda
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#30
Chloroform
Concen: 171.38 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX000998.D
Acq: 19 Apr 2018 19:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.3	76.9





#31

Cyclohexane

Concen: 172.86 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.01 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

Instrument :

MSVOA_X

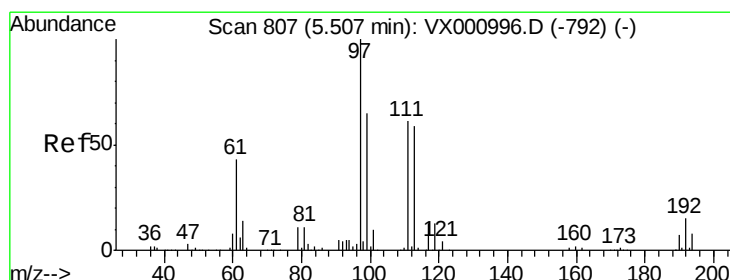
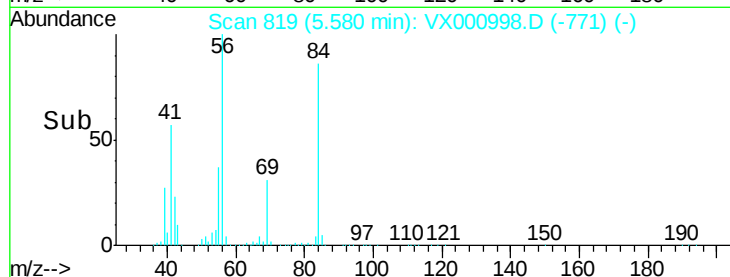
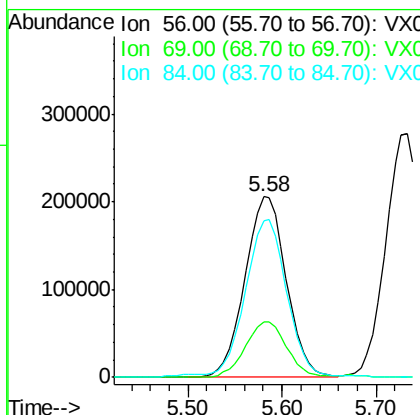
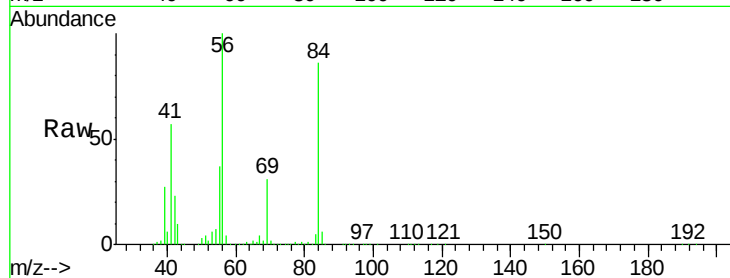
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	629941
Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.6	36.8
84	85.4	69.0	103.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 179.25 ug/l

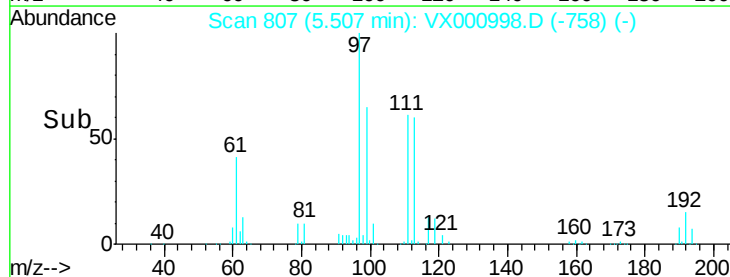
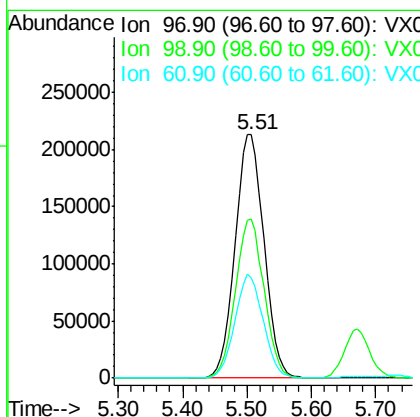
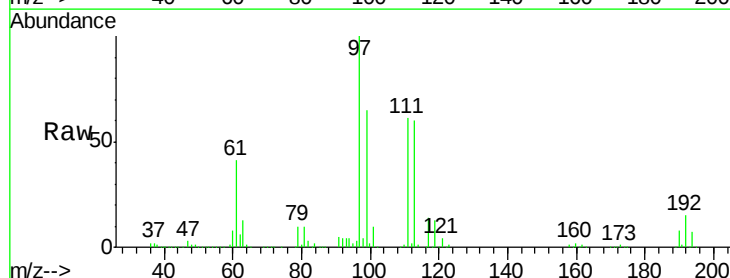
RT: 5.51 min Scan# 807

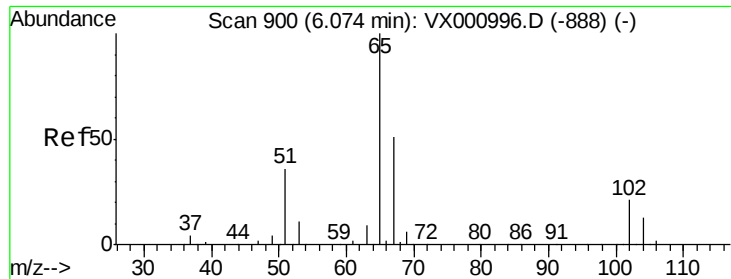
Delta R.T. 0.00 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

Tgt Ion:	97	Resp:	661979
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.1	76.7
61	41.8	34.4	51.6





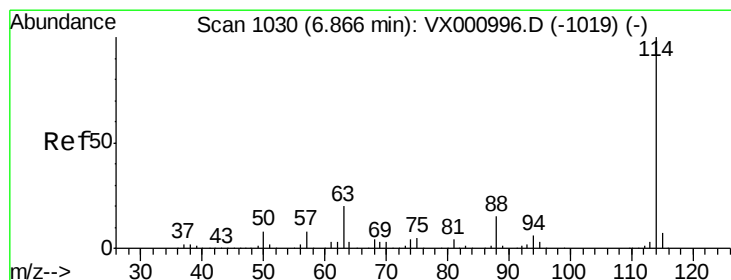
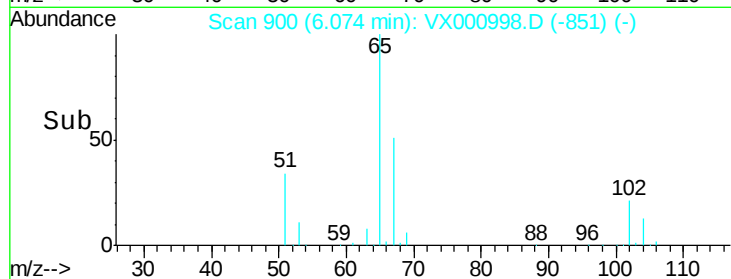
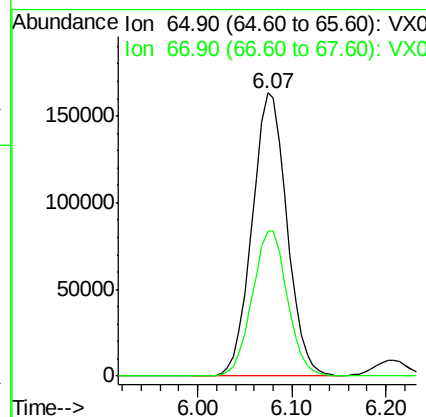
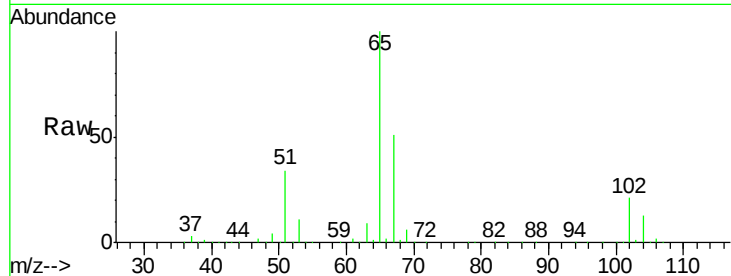
#33
 1,2-Dichloroethane-d4
 Concen: 131.23 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX000998.D
 Acq: 19 Apr 2018 19:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	421564		
67	51.9	0.0	102.6	

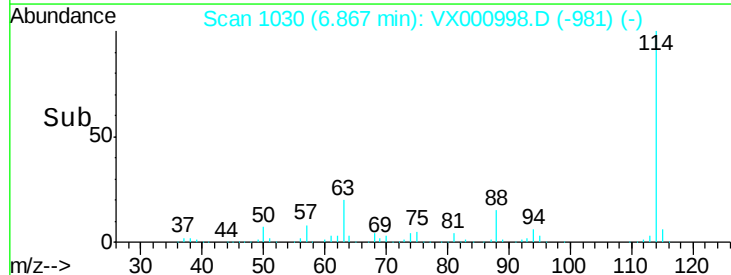
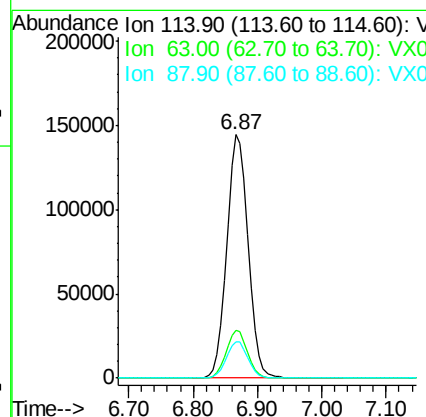
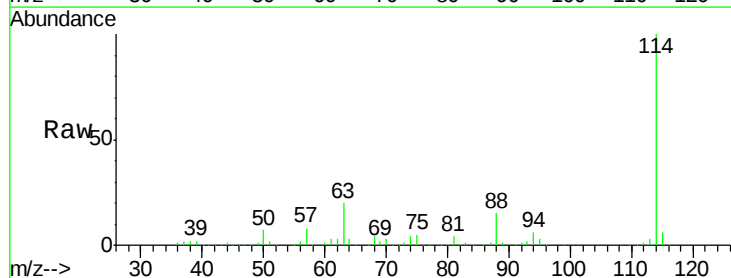
Manual Integrations
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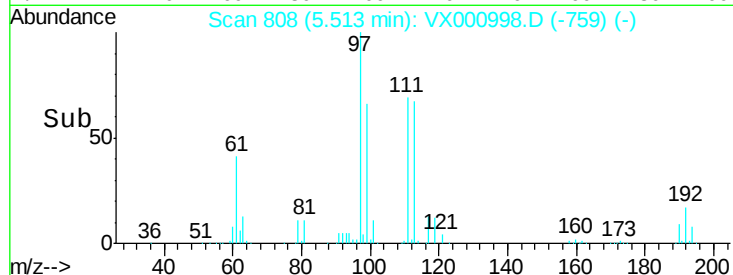
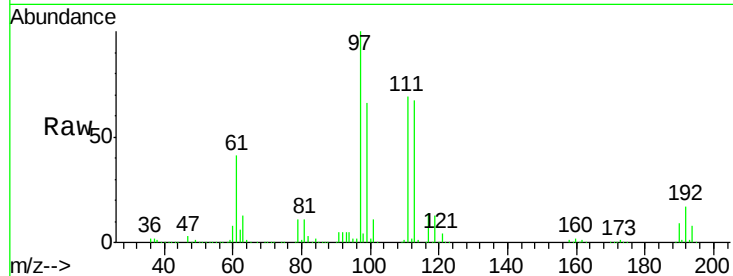
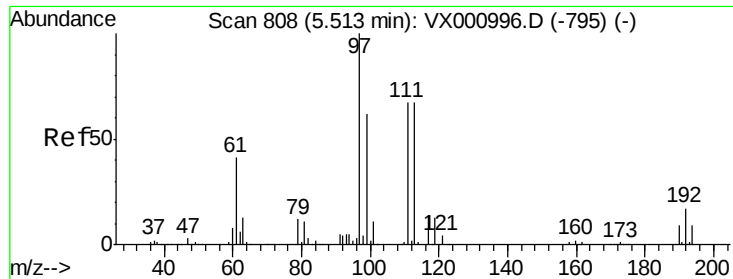
MMDadoda
 4/20/2018 2:09:32 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX000998.D
 Acq: 19 Apr 2018 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	339001		
63	19.9	0.0	39.4	
88	15.1	0.0	29.8	





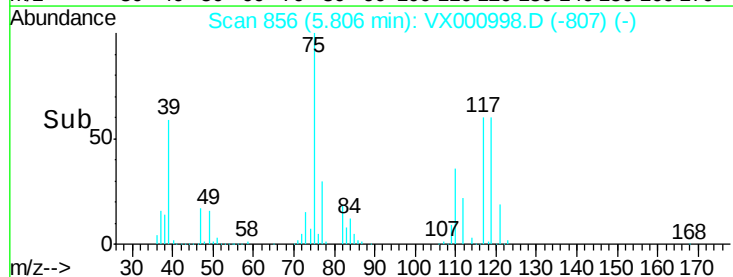
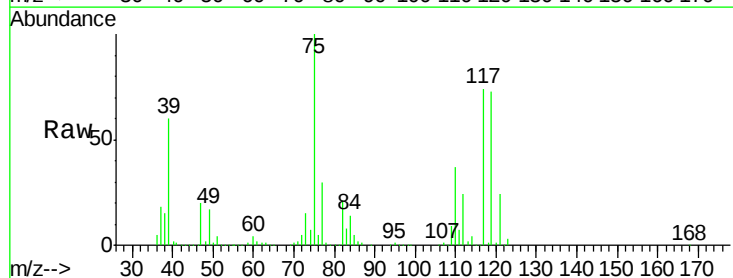
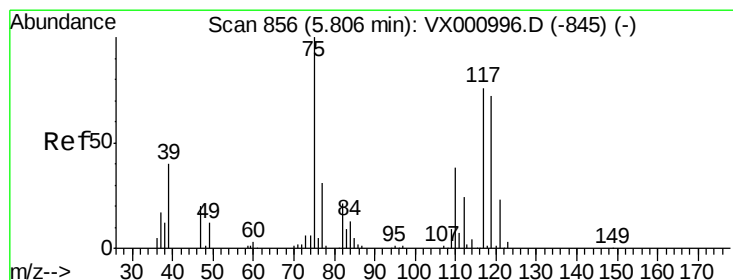
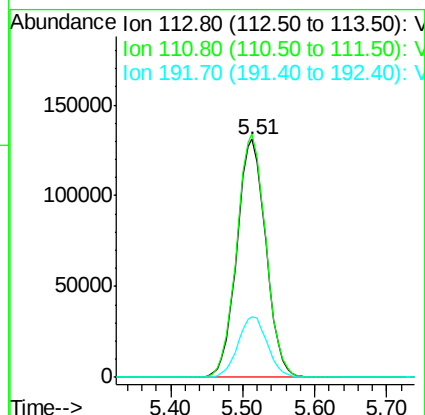
#35
Dibromofluoromethane
Concen: 154.45 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.00 min
Lab File: VX000998.D
Acq: 19 Apr 2018 19:20

Tot Ion	Ratio	Resp	Lower	Upper
113	100	367136		
111	102.2	81.4	122.2	
192	25.7	20.4	30.6	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

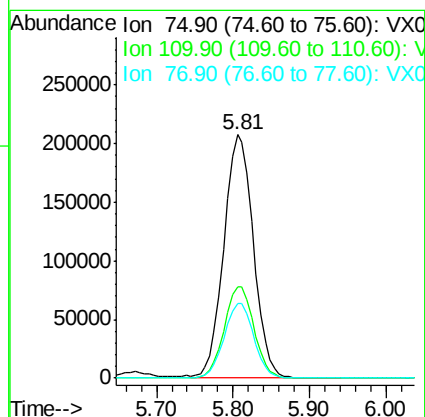
Manual Integrations
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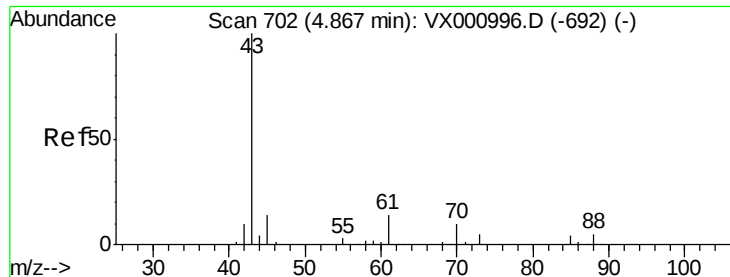
MMDadoda
4/20/2018 2:09:32 PM



#36
1,1-Dichloropropene
Concen: 170.85 ug/l
RT: 5.81 min Scan# 856
Delta R.T. 0.00 min
Lab File: VX000998.D
Acq: 19 Apr 2018 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	552046		
110	37.8	18.7	56.1	
77	30.9	25.0	37.4	





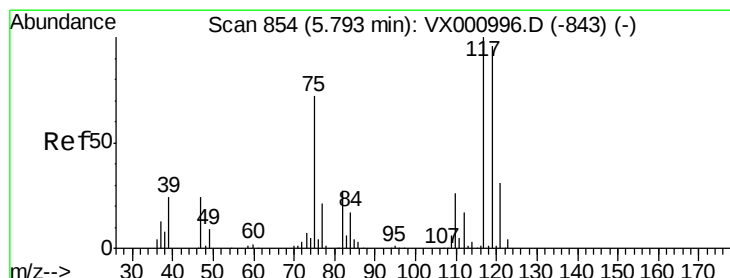
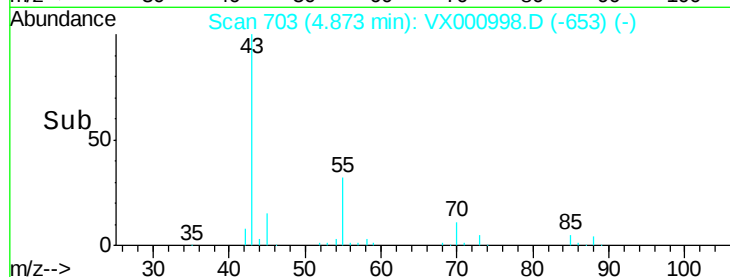
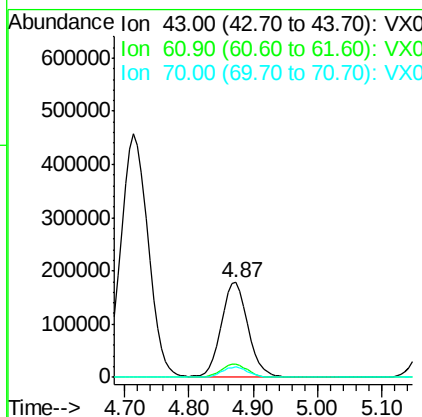
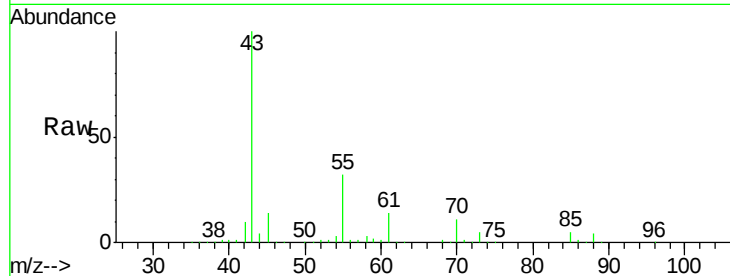
#37
Ethyl Acetate
Concen: 173.98 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX000998.D
Acq: 19 Apr 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	10.5	8.3	12.5

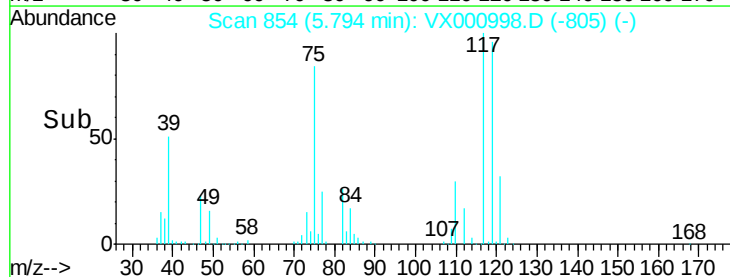
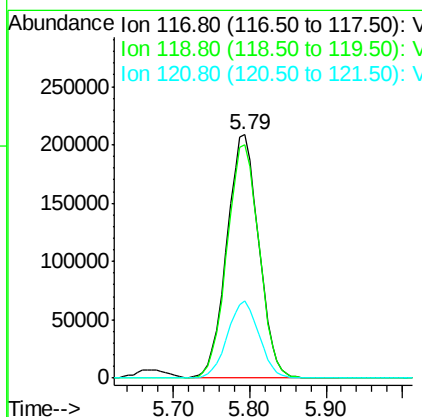
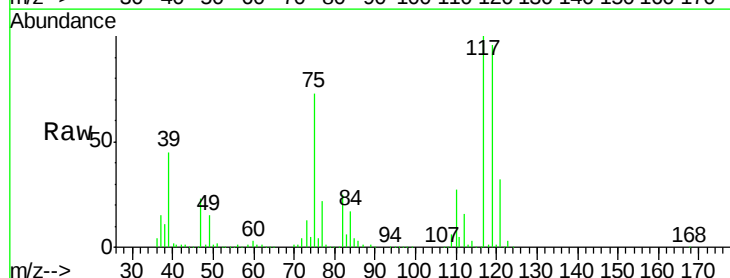
Manual Integrations
APPROVED

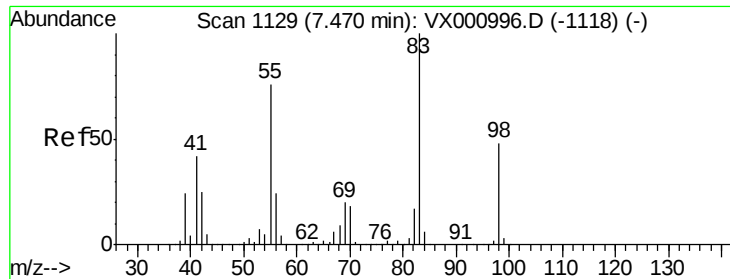
MMDadoda
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#38
Carbon Tetrachloride
Concen: 178.86 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.00 min
Lab File: VX000998.D
Acq: 19 Apr 2018 19:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.5	114.7
121	31.6	24.5	36.7





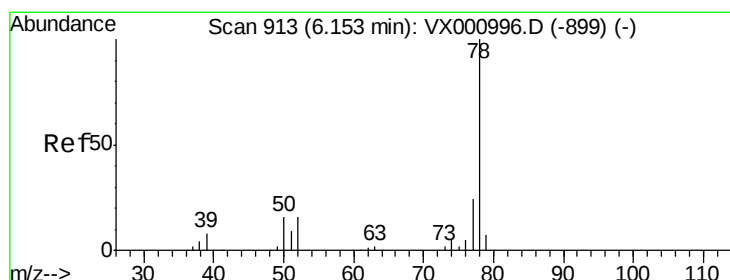
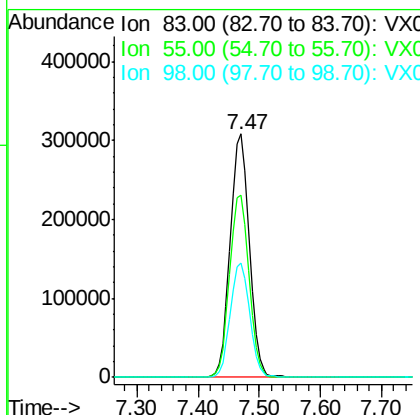
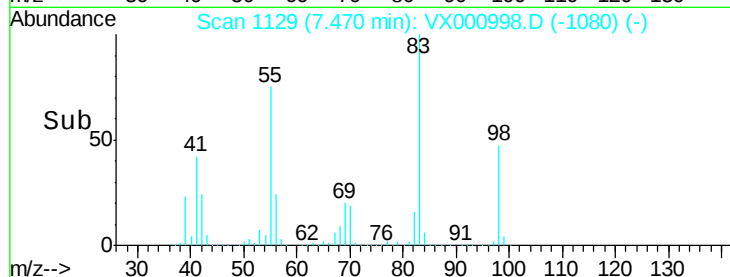
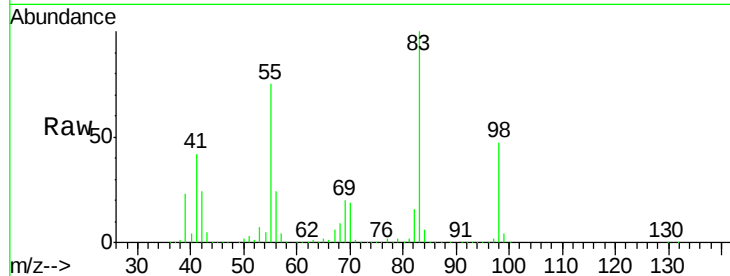
#39
Methvlcvclohexane
Concen: 171.93 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX000998.D
Acq: 19 Apr 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	663915		
55	74.8		60.6	91.0
98	46.9		38.2	57.4

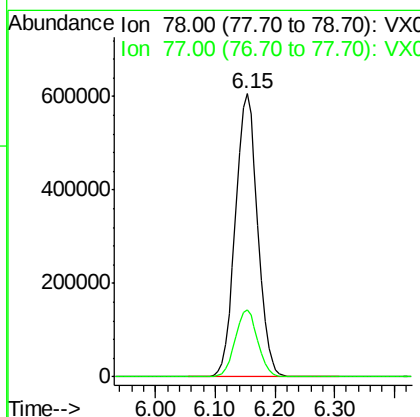
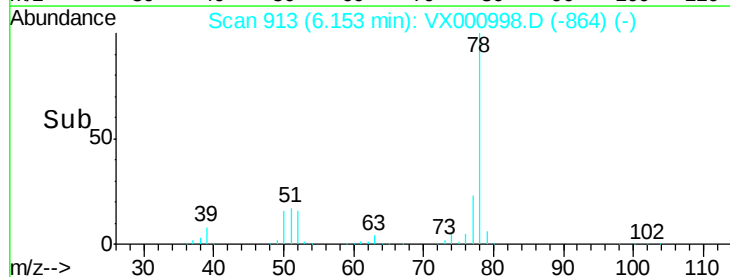
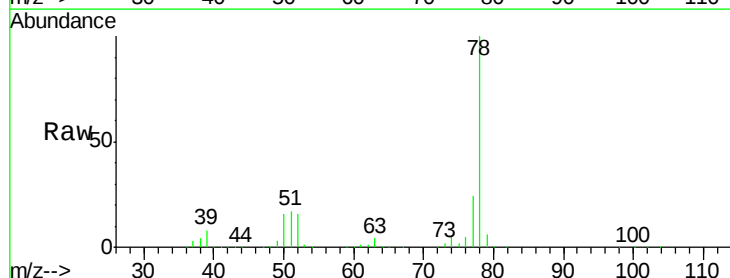
Manual Integrations
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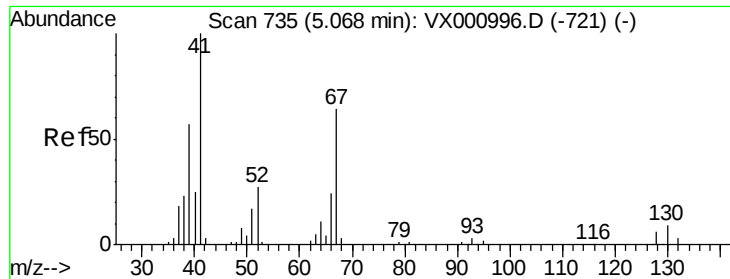
MMDadoda
4/20/2018 2:09:32 PM



#40
Benzene
Concen: 174.48 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX000998.D
Acq: 19 Apr 2018 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1572717		
77	23.8		18.9	28.3





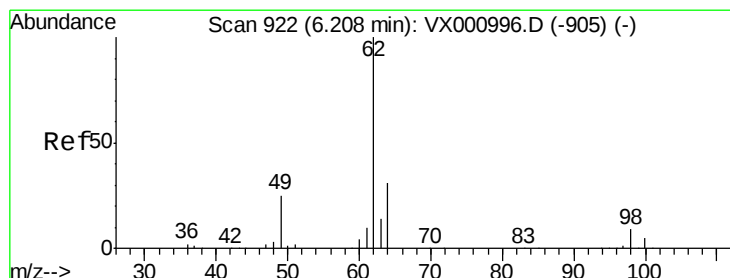
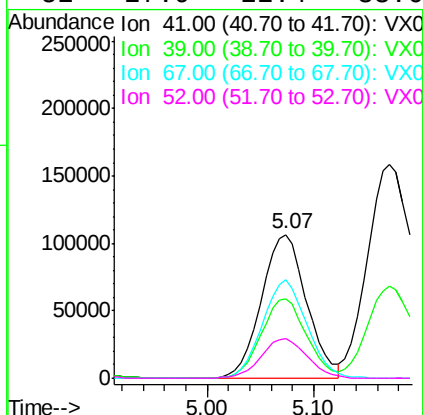
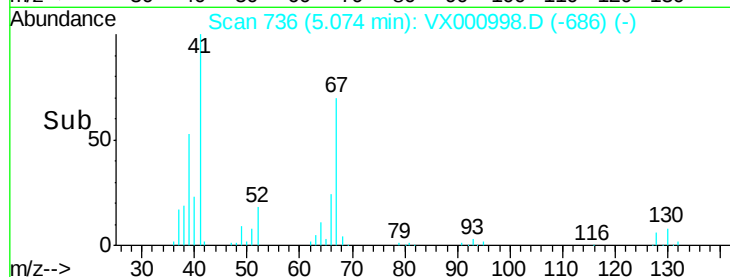
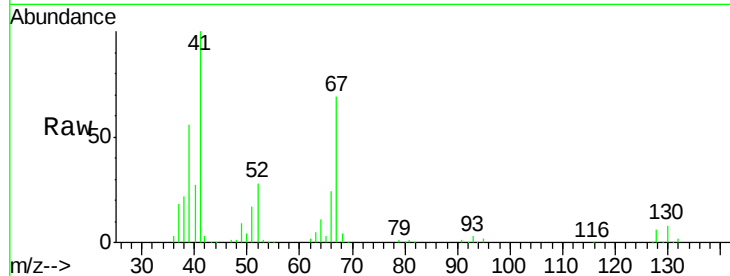
#41
Methacrylonitrile
Concen: 166.41 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX000998.D
Acq: 19 Apr 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
313754	41	100		
	39	55.4	45.2	67.8
	67	67.8	53.8	80.8
	52	27.9	22.4	33.6

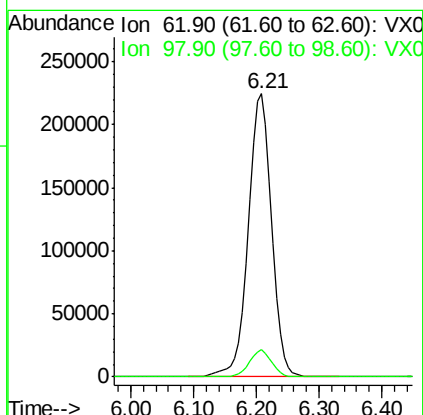
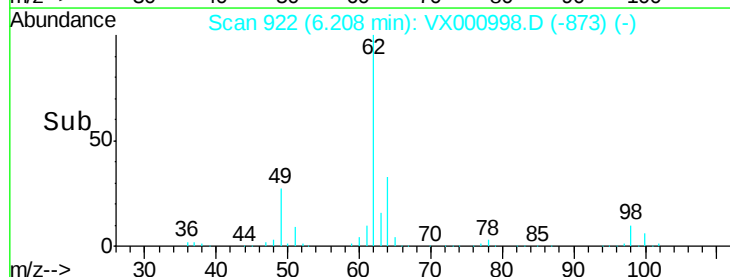
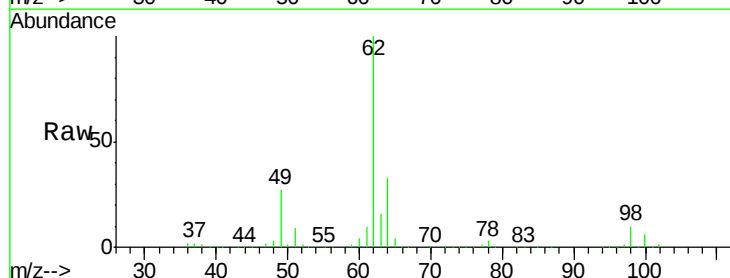
Manual Integrations
APPROVED

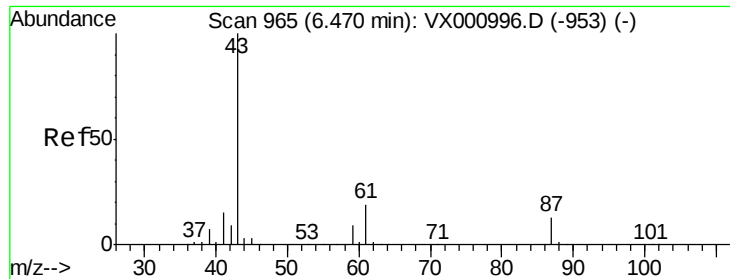
MMDadoda
4/20/2018 2:09:32 PM



#42
1,2-Dichloroethane
Concen: 164.18 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX000998.D
Acq: 19 Apr 2018 19:20

Tgt Ion	Ion	Ratio	Lower	Upper
574728	62	100		
	98	9.1	0.0	17.6





#43

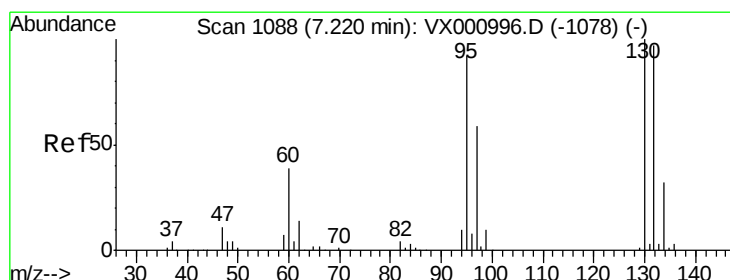
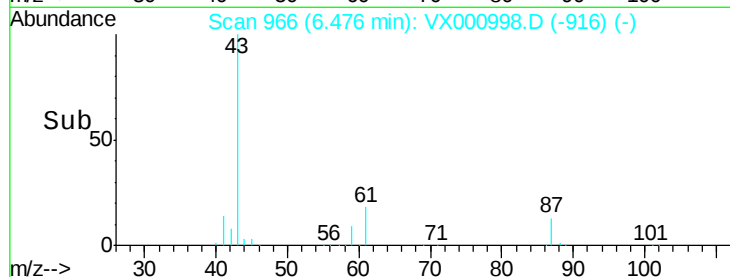
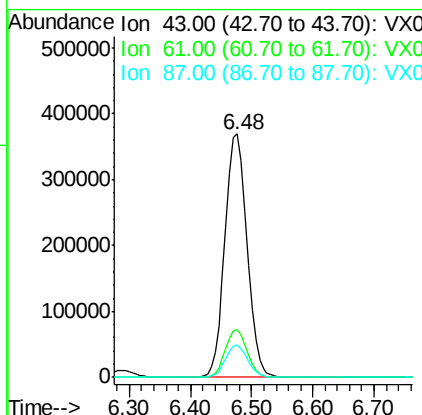
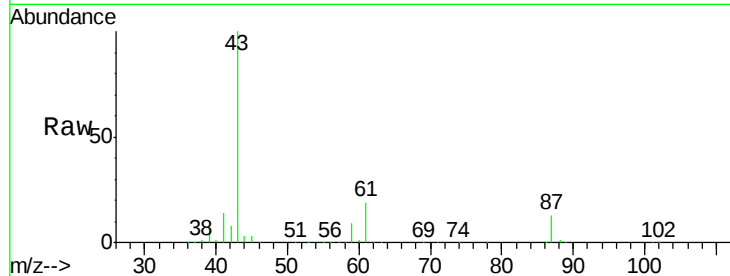
Isopropyl Acetate
 Concen: 180.73 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.01 min
 Lab File: VX000998.D
 Acq: 19 Apr 2018 19:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.4	23.2
87	13.3	10.6	15.8

Manual Integrations
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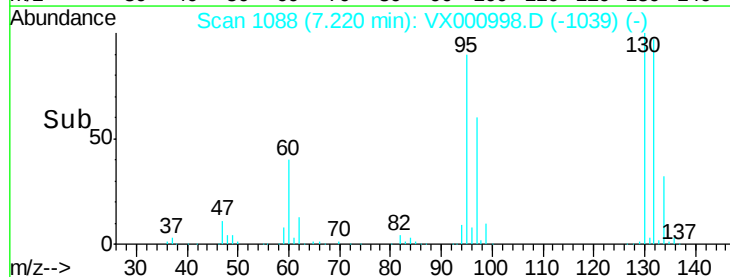
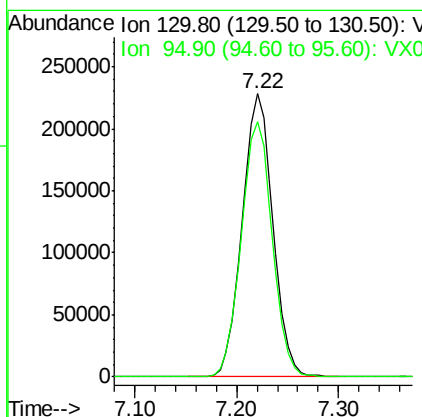
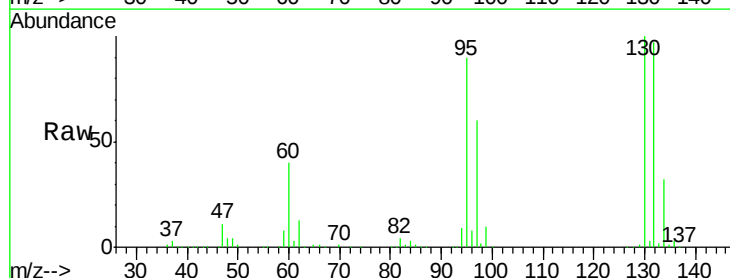
MMDadoda
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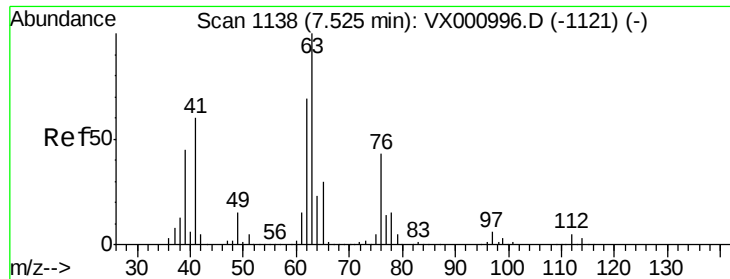


#44

Trichloroethene
 Concen: 168.43 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX000998.D
 Acq: 19 Apr 2018 19:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	184.2





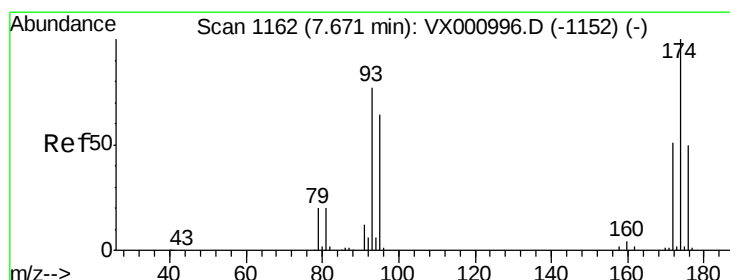
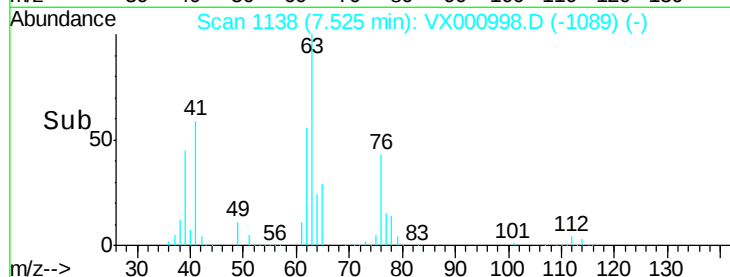
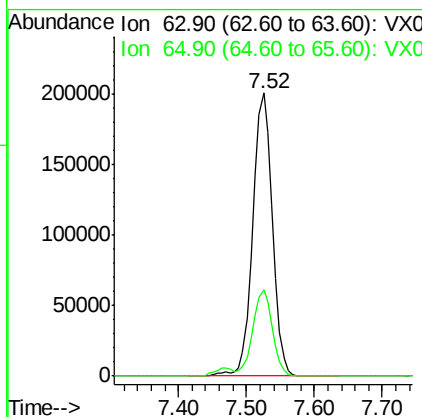
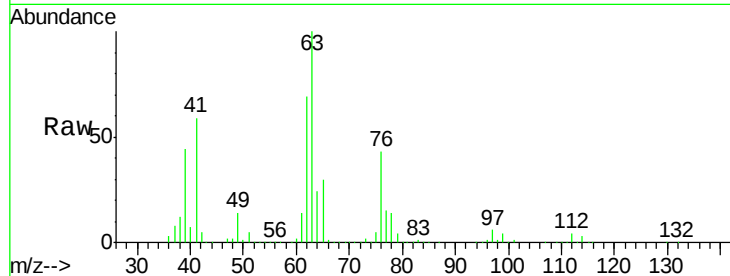
#45
 1,2-Dichloropropane
 Concen: 172.84 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX000998.D
 Acq: 19 Apr 2018 19:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 404923
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.4 36.6

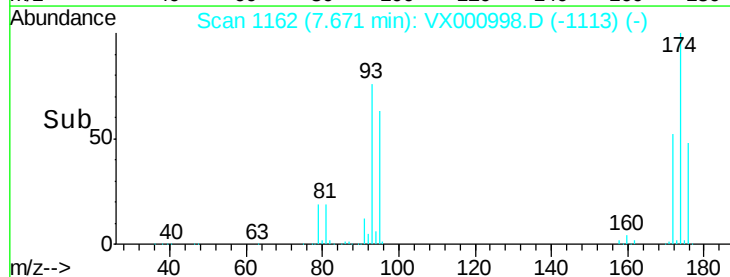
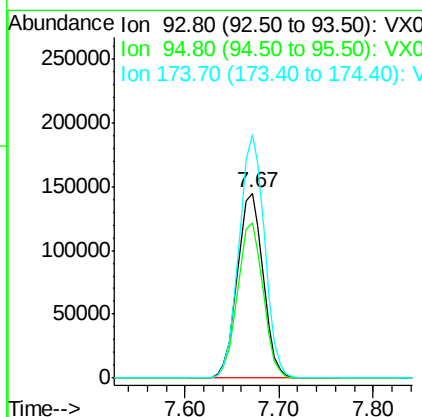
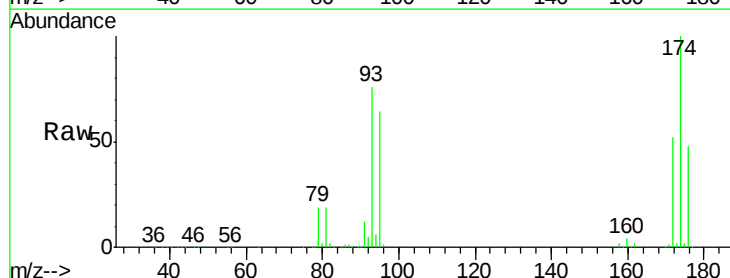
Manual Integrations
 APPROVED

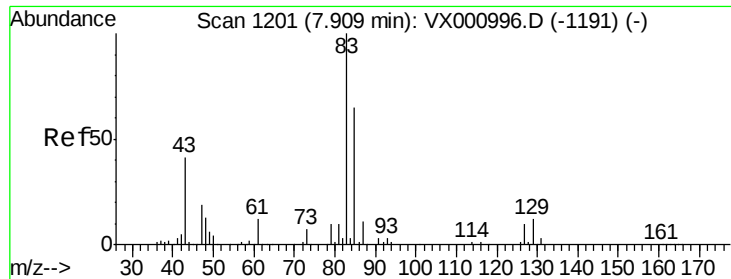
MMDadoda
 4/20/2018 2:09:32 PM



#46
 Dibromomethane
 Concen: 171.53 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX000998.D
 Acq: 19 Apr 2018 19:20

Tgt Ion: 93 Resp: 277099
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.7 100.1
 174 129.6 101.8 152.6





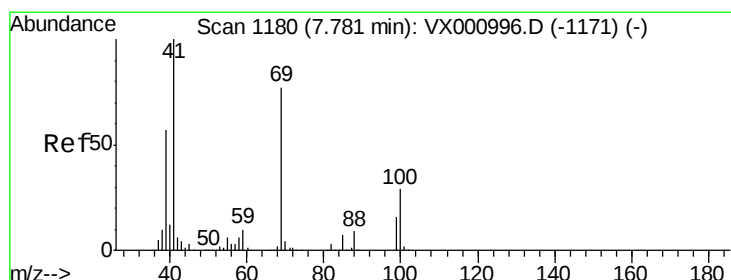
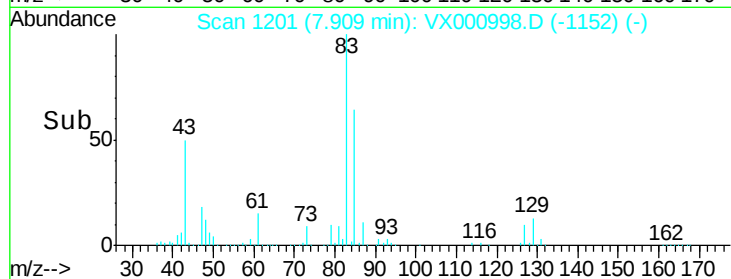
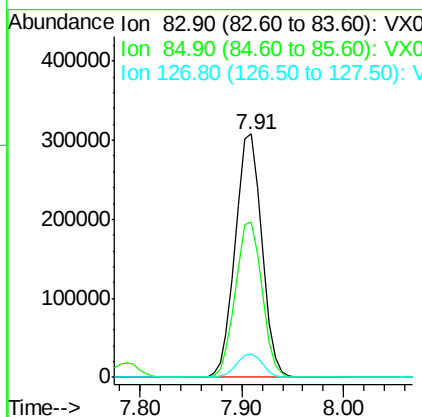
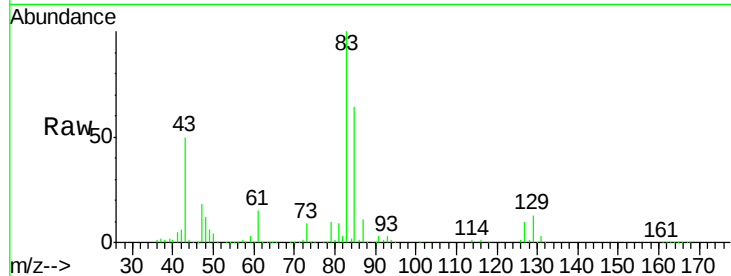
#47
 Bromodichloromethane
 Concen: 185.60 ug/l
 RT: 7.91 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VX000998.D
 Acq: 19 Apr 2018 19:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.9	52.3	78.5	
127	9.5	7.8	11.6	

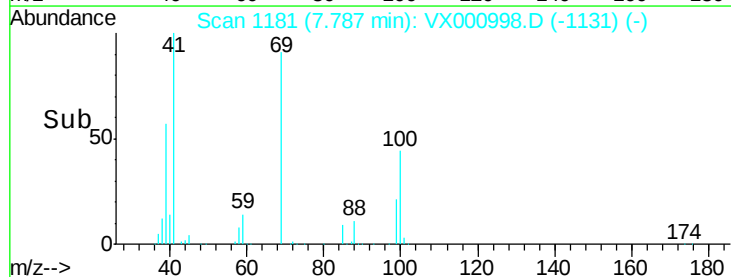
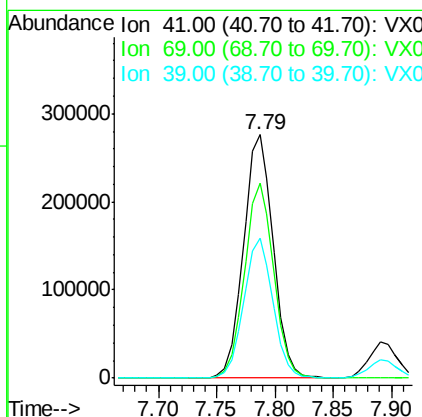
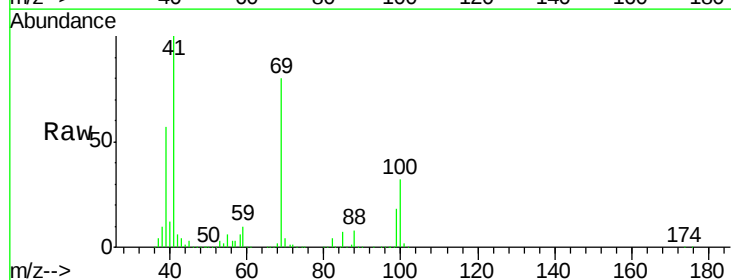
Manual Integrations
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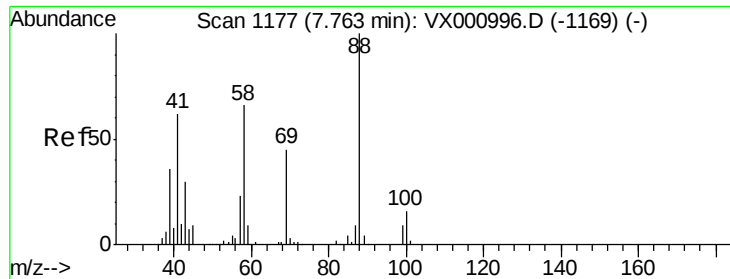
MMDadoda
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#48
 Methyl methacrylate
 Concen: 171.55 ug/l
 RT: 7.79 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VX000998.D
 Acq: 19 Apr 2018 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	79.4	62.6	94.0	
39	56.5	45.3	67.9	





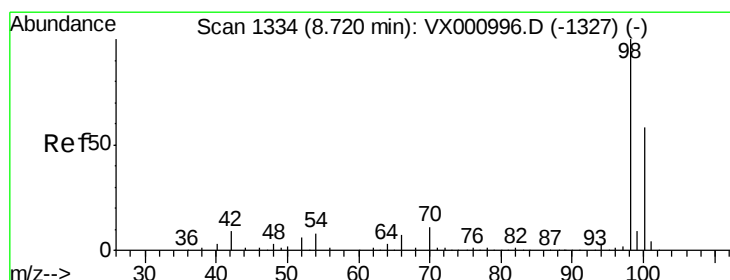
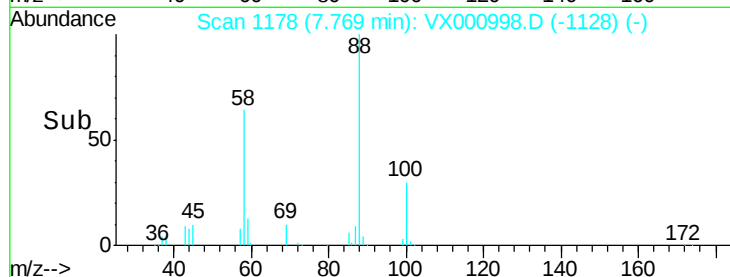
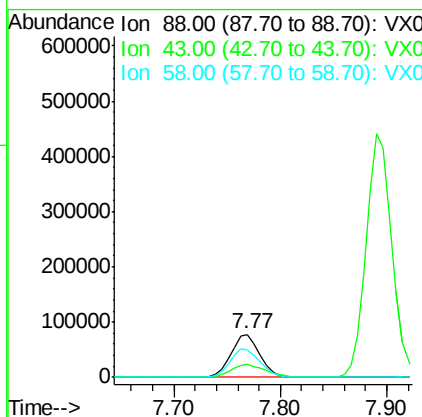
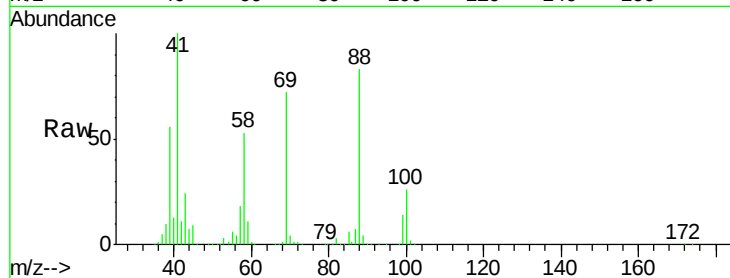
#49
1,4-Dioxane
Concen: 3788.35 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX000998.D
Acq: 19 Apr 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.3	29.2	43.8
58	69.3	55.0	82.6

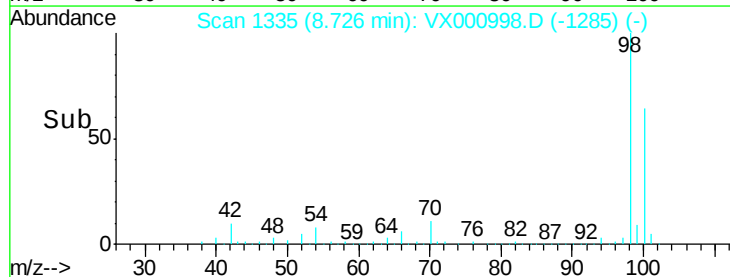
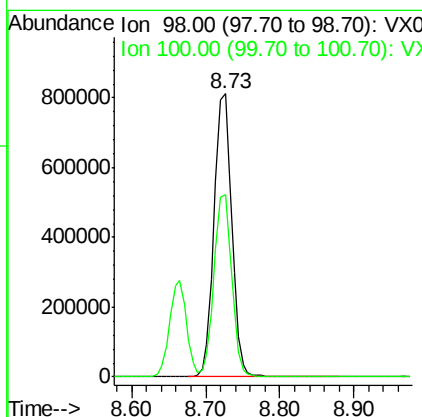
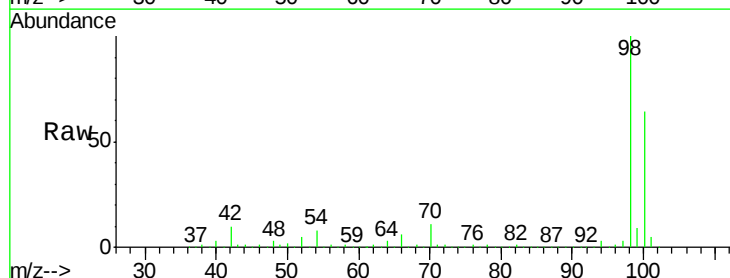
Manual Integrations
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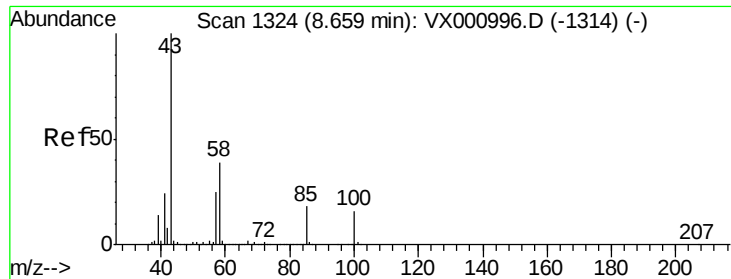
MMDadoda
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#50
Toluene-d8
Concen: 155.70 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.01 min
Lab File: VX000998.D
Acq: 19 Apr 2018 19:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 908.96 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2805479

Ion Ratio Lower Upper

43 100

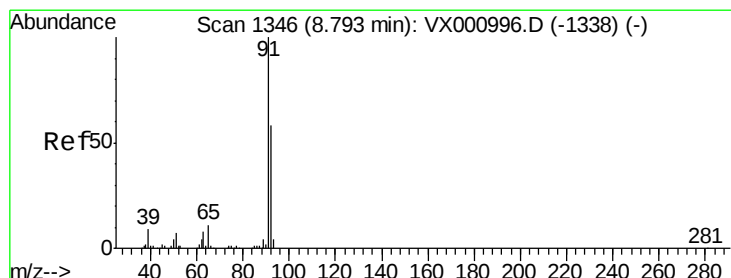
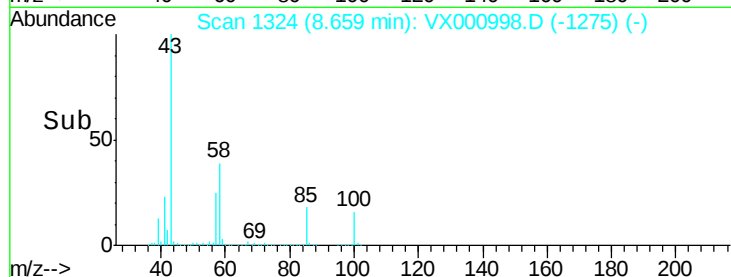
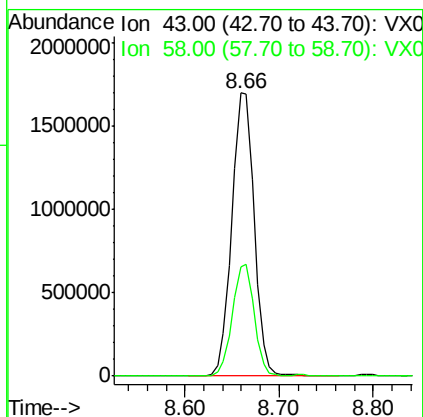
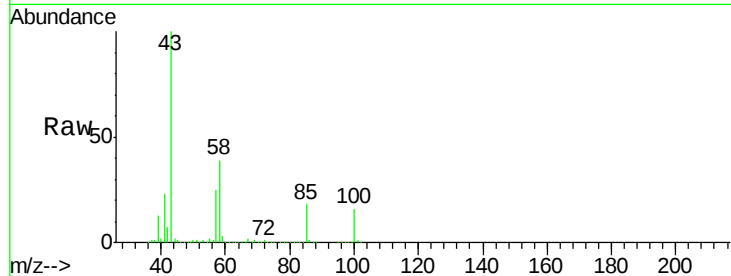
58 38.6 30.2 45.4

Manual Integrations

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#52

Toluene

Concen: 176.77 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX000998.D

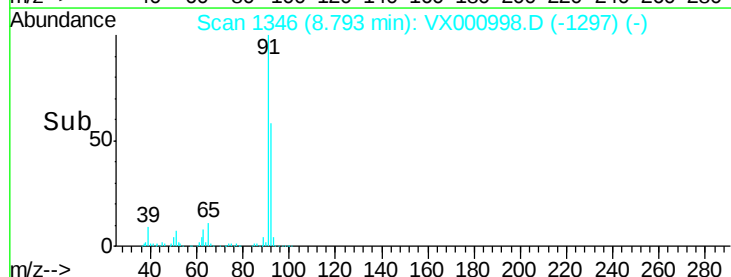
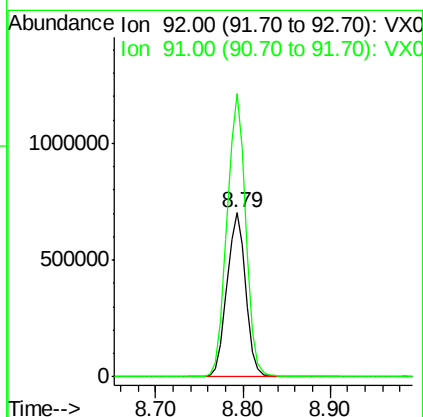
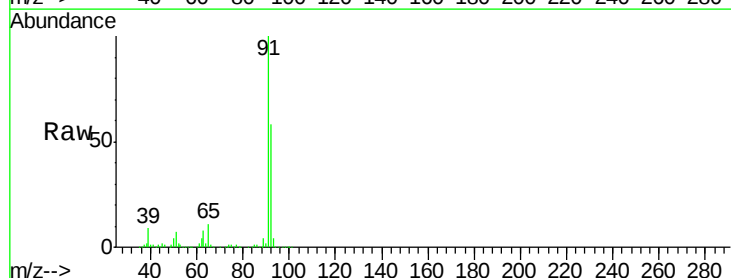
Acq: 19 Apr 2018 19:20

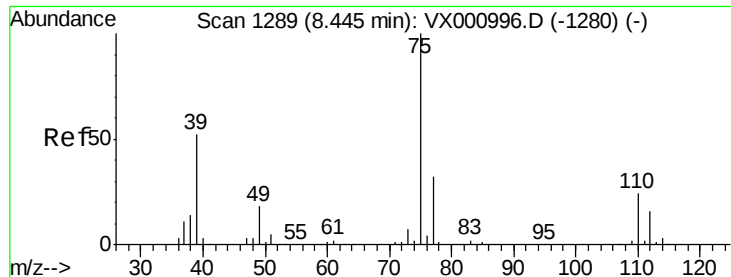
Tgt Ion: 92 Resp: 1045809

Ion Ratio Lower Upper

92 100

91 172.3 138.2 207.4





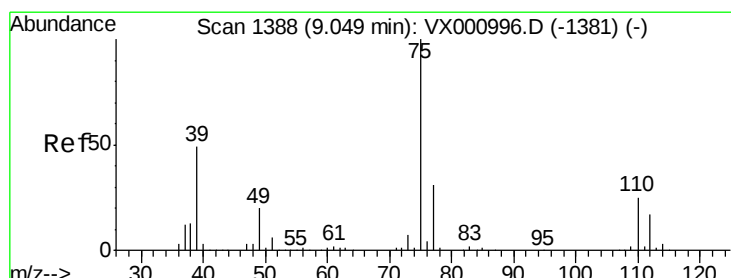
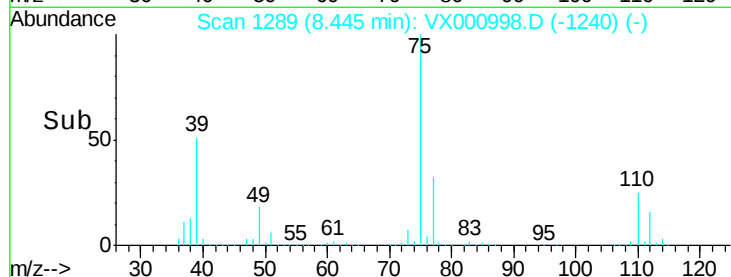
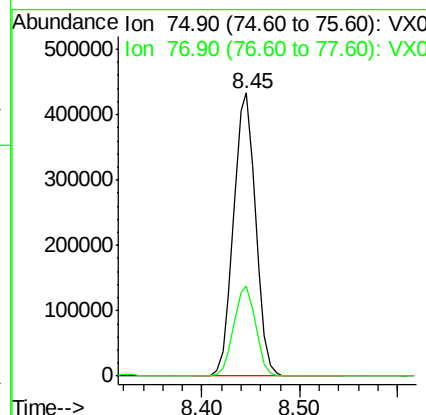
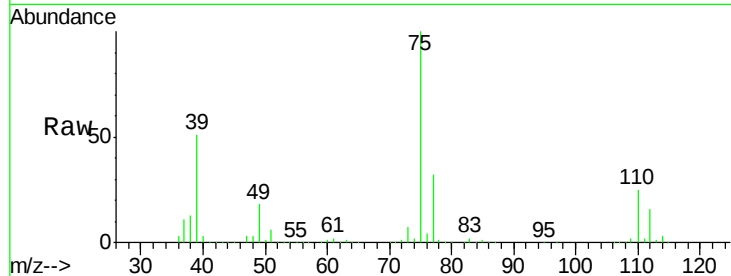
#53
t-1,3-Dichloropropene
Concen: 188.61 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VX000998.D
Acq: 19 Apr 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 677224
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.6

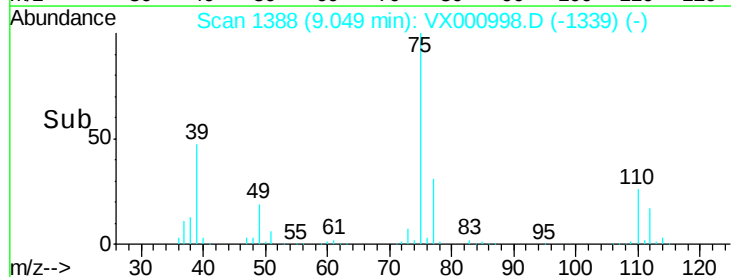
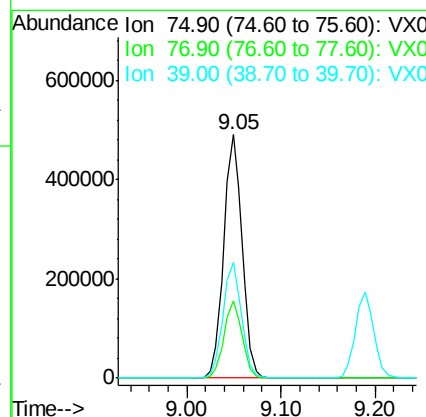
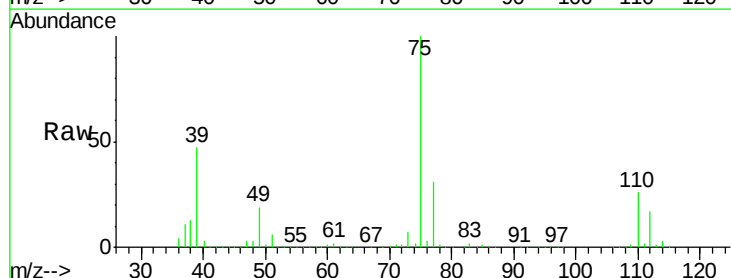
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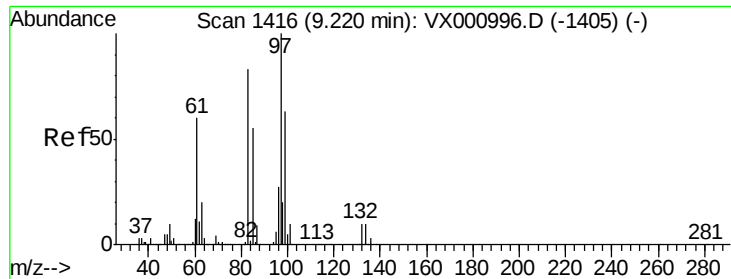
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#54
cis-1,3-Dichloropropene
Concen: 193.85 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX000998.D
Acq: 19 Apr 2018 19:20

Tgt Ion: 75 Resp: 663846
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.6
39 47.4 39.2 58.8





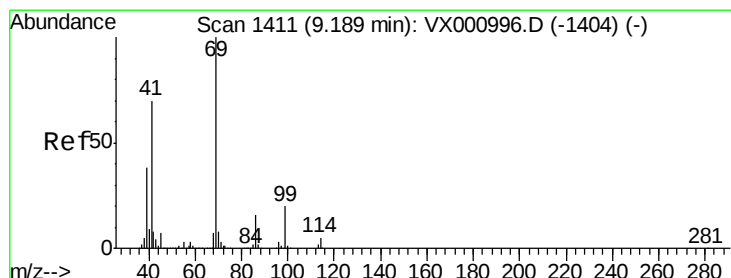
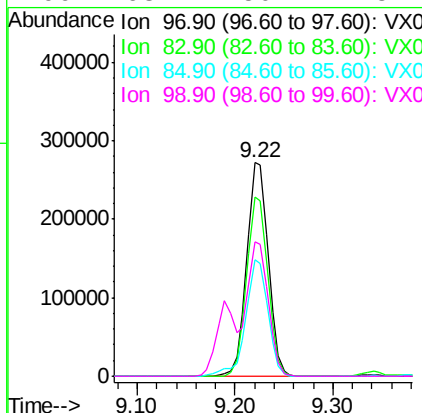
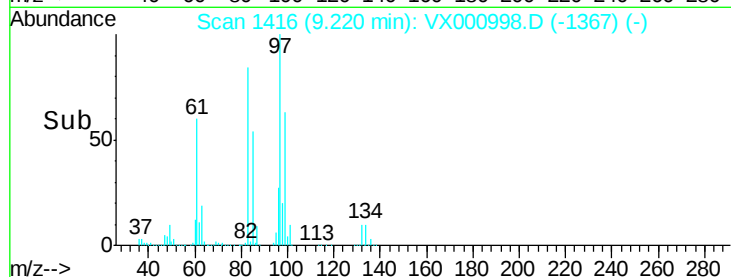
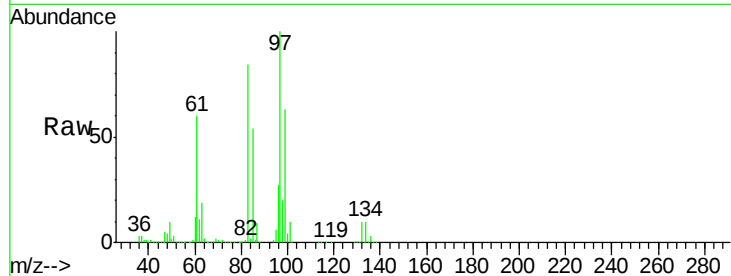
#55
 1,1,2-Trichloroethane
 Concen: 180.10 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX000998.D
 Acq: 19 Apr 2018 19:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	414455
Ion	Ratio	Lower	Upper
97	100		
83	83.7	66.2	99.4
85	54.4	44.2	66.4
99	63.2	50.2	75.4

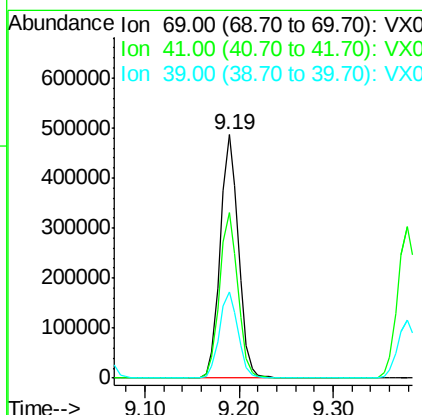
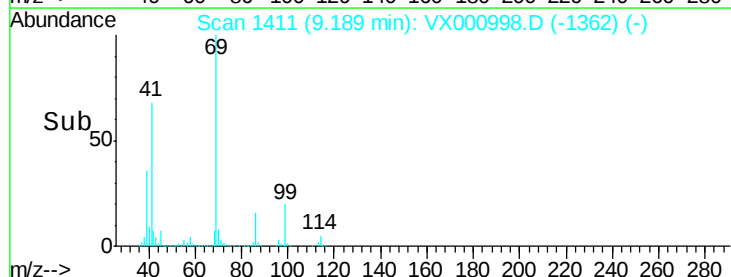
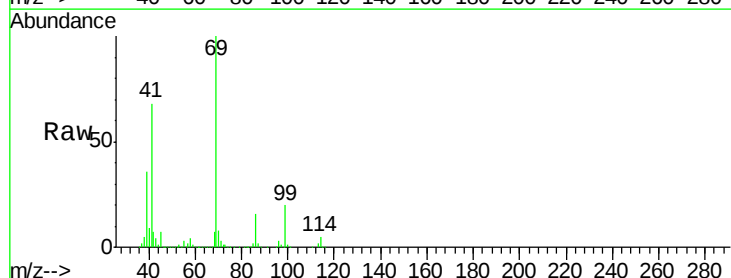
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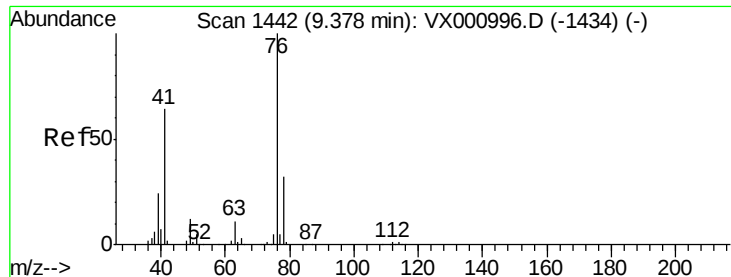
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#56
 Ethyl methacrylate
 Concen: 187.25 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX000998.D
 Acq: 19 Apr 2018 19:20

Tgt Ion:	69	Resp:	652983
Ion	Ratio	Lower	Upper
69	100		
41	68.6	56.3	84.5
39	36.2	30.4	45.6





#57

1,3-Dichloropropane

Concen: 177.02 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 673304

Ion Ratio Lower Upper

76 100

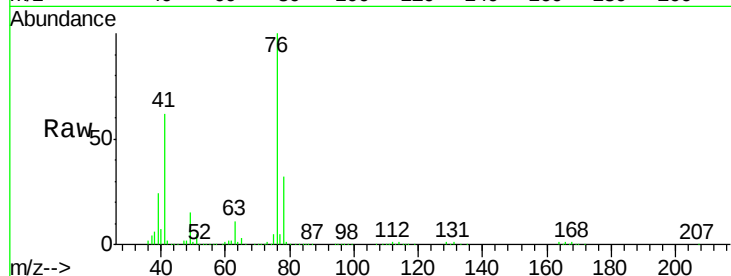
78 32.2 25.8 38.6

Manual Integrations

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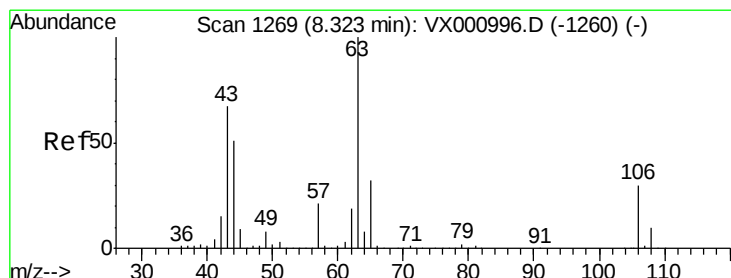
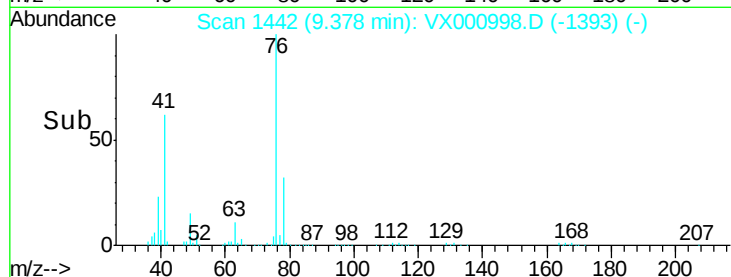
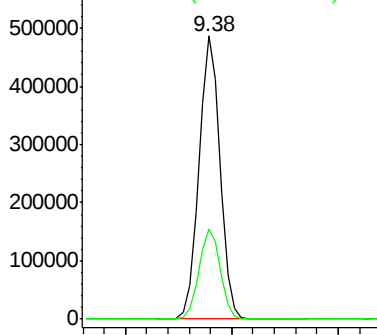
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 965.43 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VX000998.D

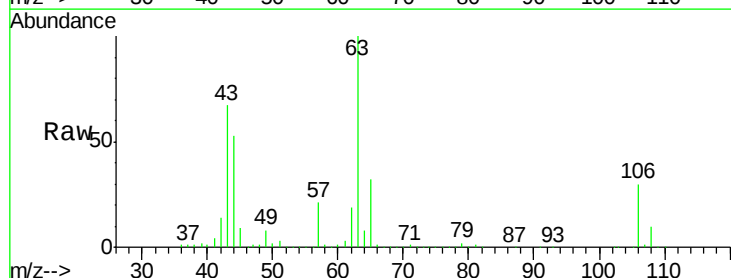
Acq: 19 Apr 2018 19:20

Tgt Ion: 63 Resp: 1534509

Ion Ratio Lower Upper

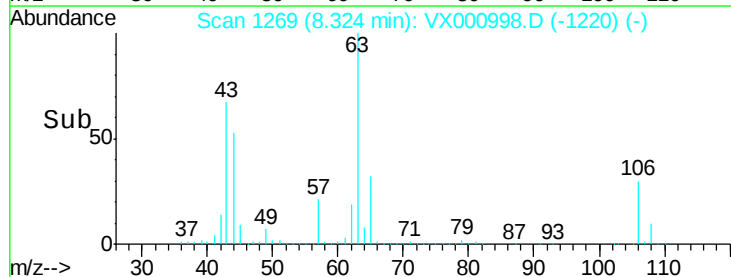
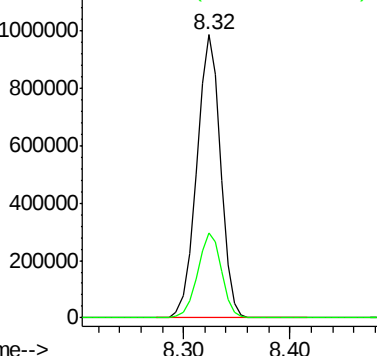
63 100

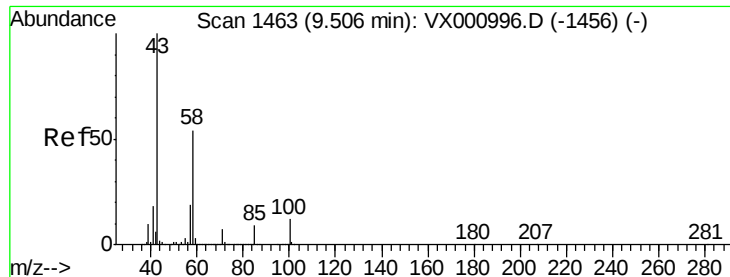
106 30.1 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





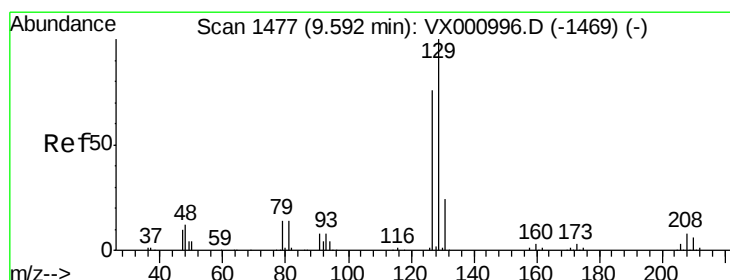
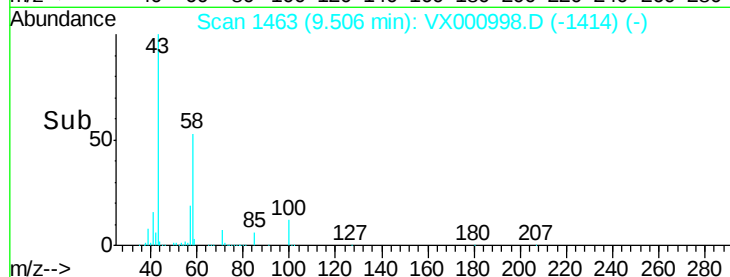
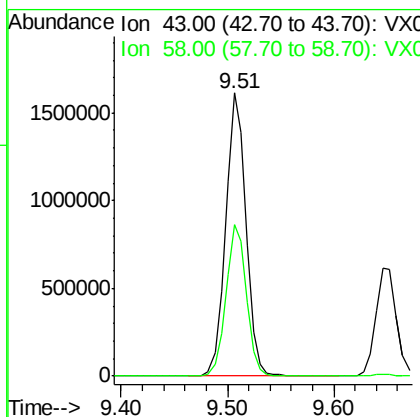
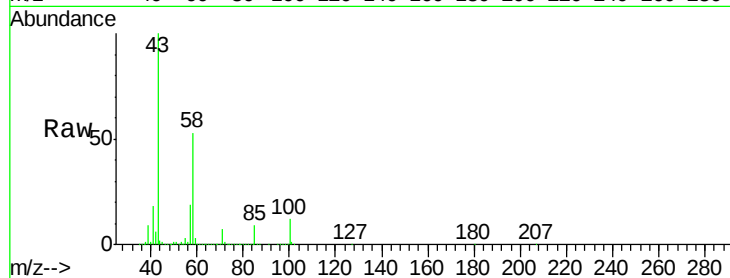
#59
2-Hexanone
Concen: 910.04 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX000998.D
Acq: 19 Apr 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2154073
Ion Ratio Lower Upper
43 100
58 53.7 26.3 78.9

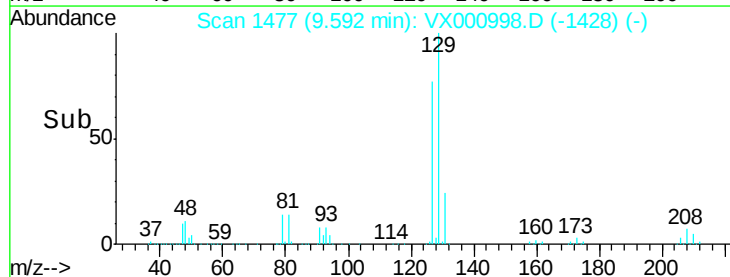
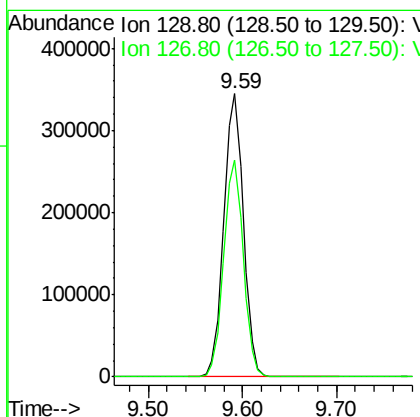
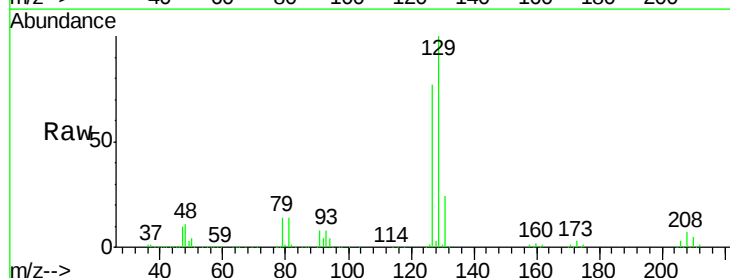
Manual Integrations
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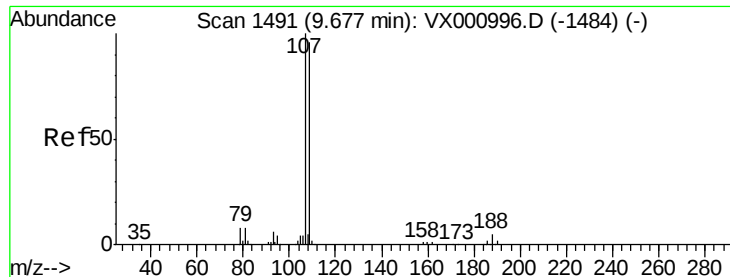
MMDadoda
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#60
Dibromochloromethane
Concen: 195.76 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000998.D
Acq: 19 Apr 2018 19:20

Tgt Ion: 129 Resp: 496813
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.8





#61

1,2-Dibromoethane

Concen: 180.38 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. 0.01 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 448598

Ion Ratio Lower Upper

107 100

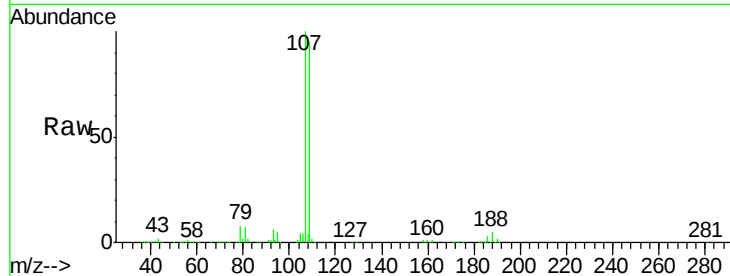
109 94.7 76.0 114.0

Manual Integrations

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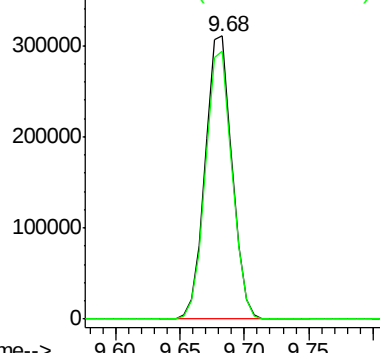
MMDadoda

4/20/2018 2:09:32 PM

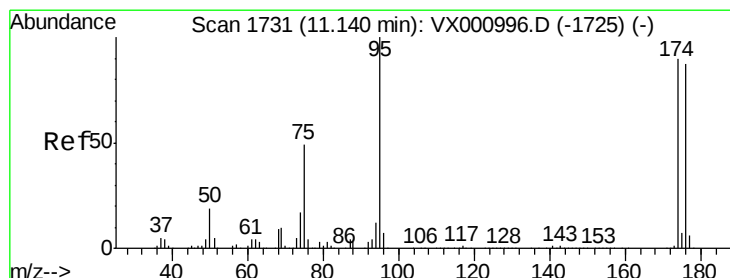
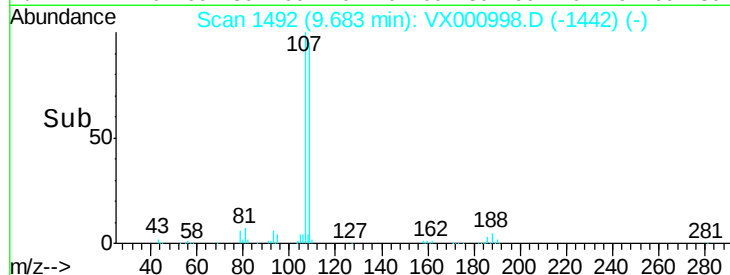


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 158.89 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

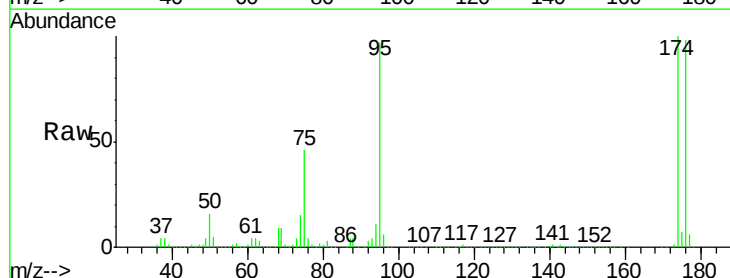
Tgt Ion: 95 Resp: 560035

Ion Ratio Lower Upper

95 100

174 99.3 0.0 198.4

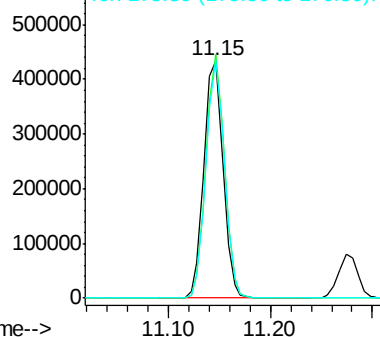
176 97.0 0.0 192.0



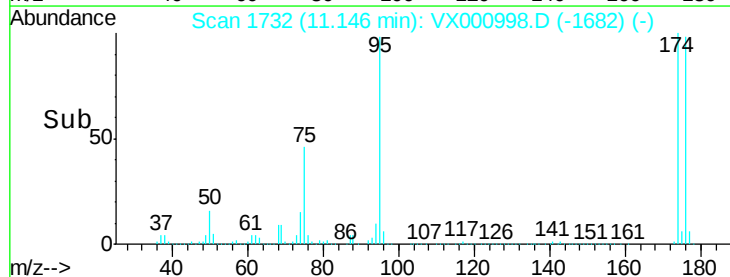
Abundance Ion 94.90 (94.60 to 95.60): VX0

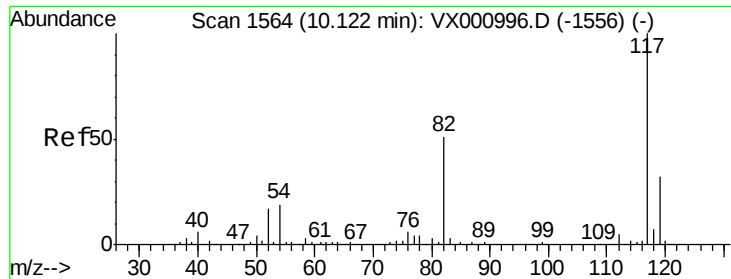
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





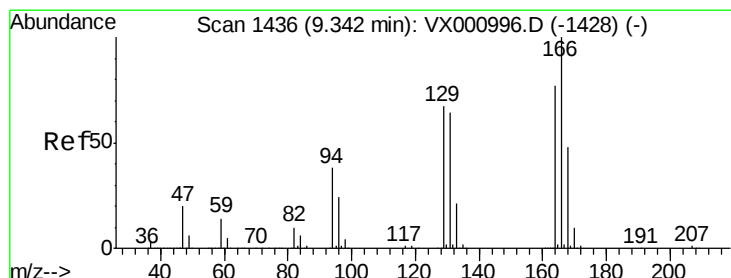
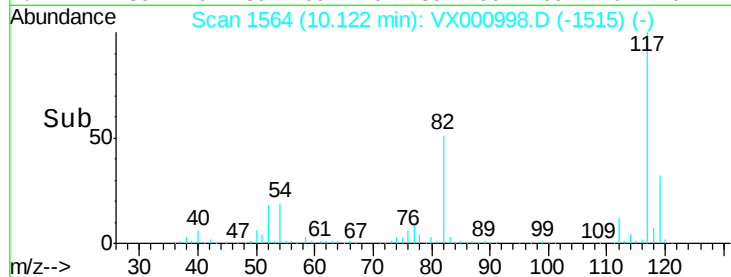
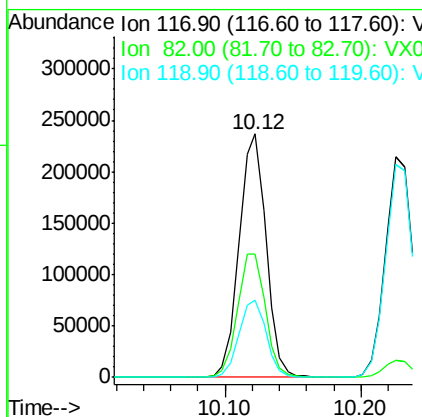
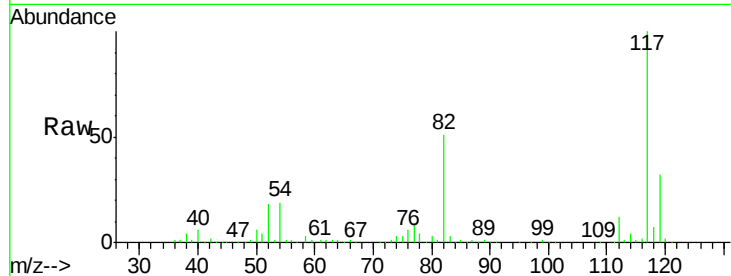
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000998.D
Acq: 19 Apr 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.7	40.6	60.8
119	31.7	26.0	39.0

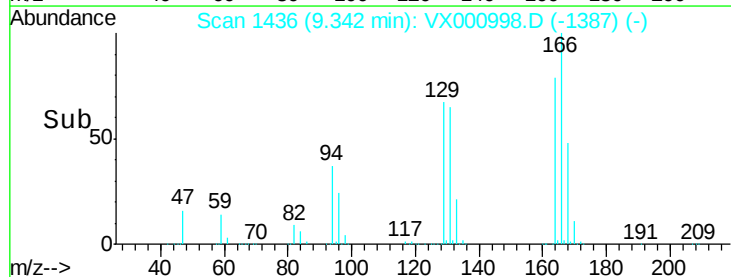
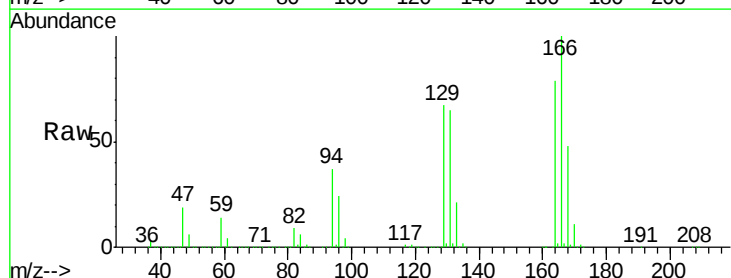
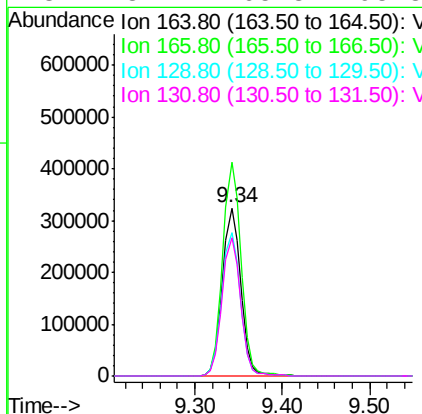
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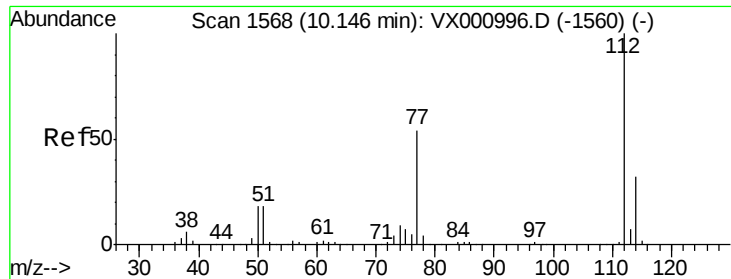
MMDadoda
4/20/2018 2:09:32 PM



#64
Tetrachloroethene
Concen: 162.15 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX000998.D
Acq: 19 Apr 2018 19:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	103.5	155.3
129	85.3	69.6	104.4
131	82.1	65.8	98.8





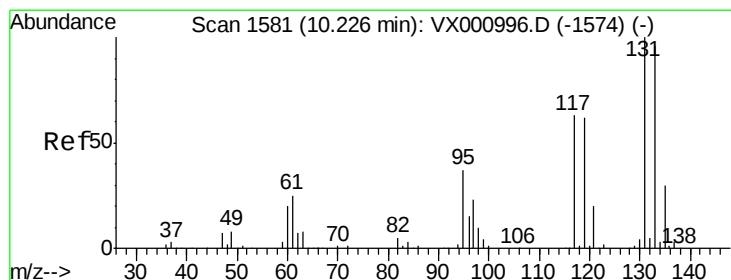
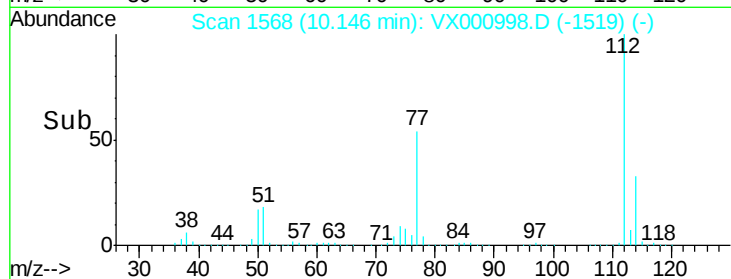
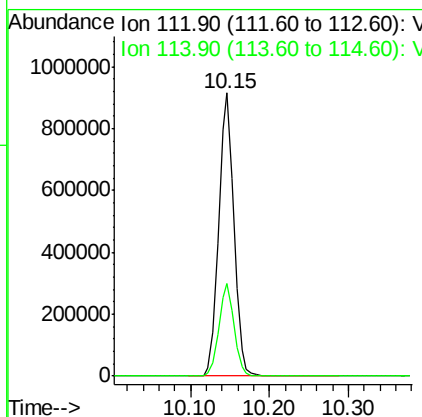
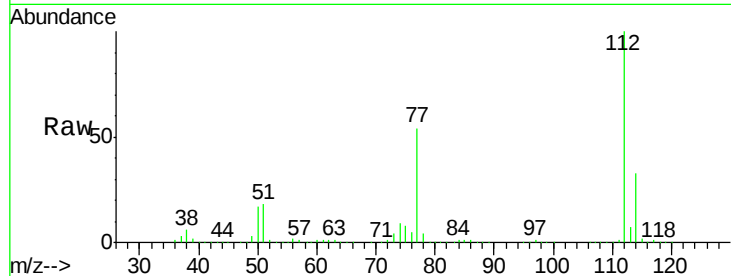
#65
Chlorobenzene
Concen: 171.34 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX000998.D
Acq: 19 Apr 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1231918
Ion Ratio Lower Upper
112 100
114 32.5 25.5 38.3

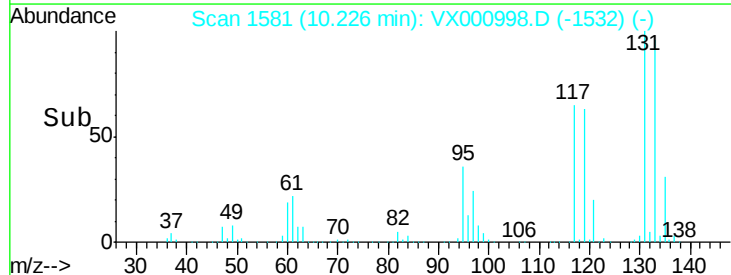
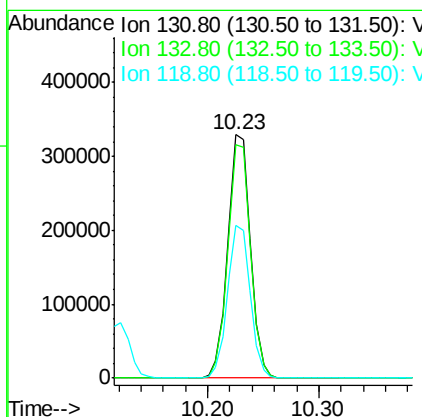
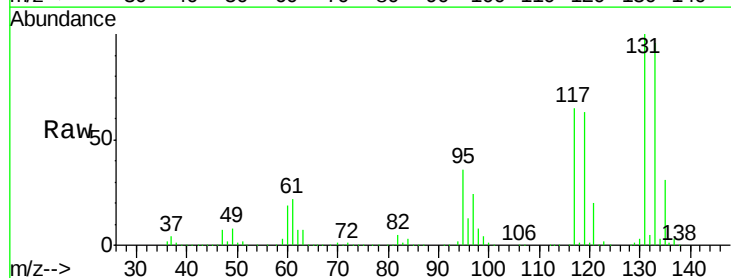
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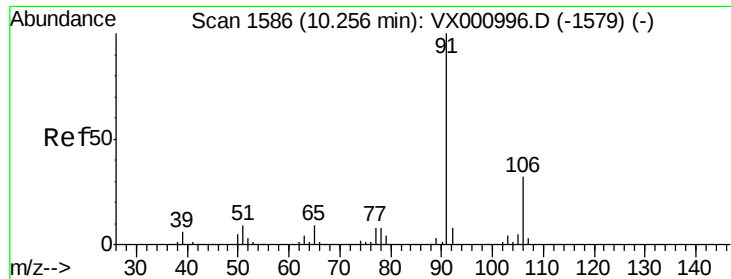
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#66
1,1,1,2-Tetrachloroethane
Concen: 185.11 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX000998.D
Acq: 19 Apr 2018 19:20

Tgt Ion:131 Resp: 462892
Ion Ratio Lower Upper
131 100
133 96.5 47.6 142.8
119 63.2 31.1 93.2





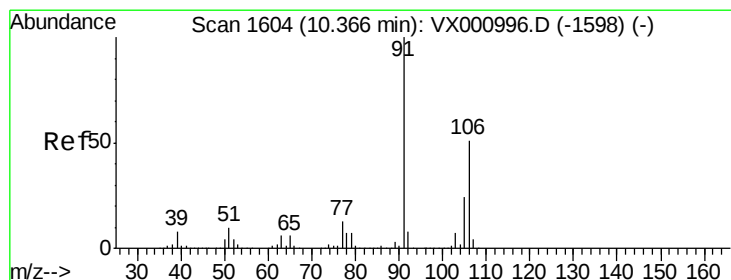
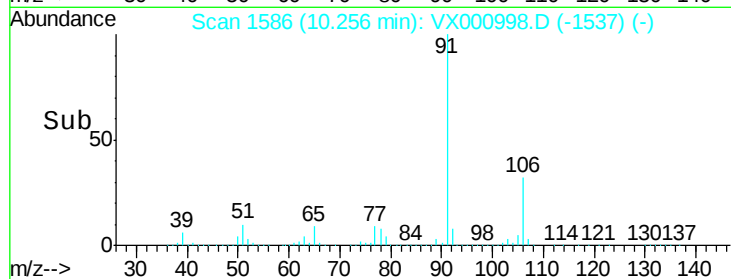
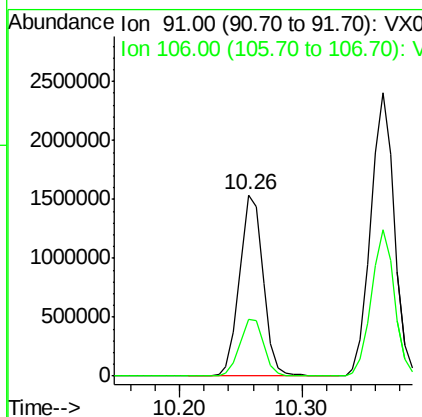
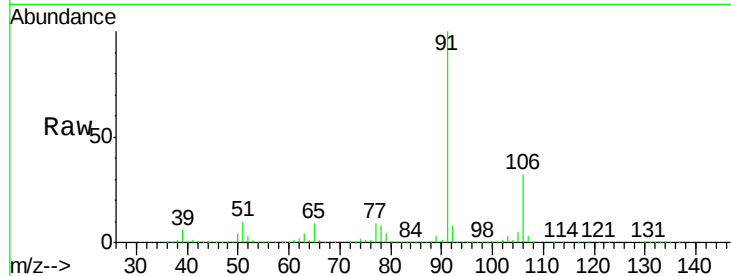
#67
Ethyl Benzene
Concen: 174.34 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX000998.D
Acq: 19 Apr 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2054620
Ion Ratio Lower Upper
91 100
106 31.6 25.7 38.5

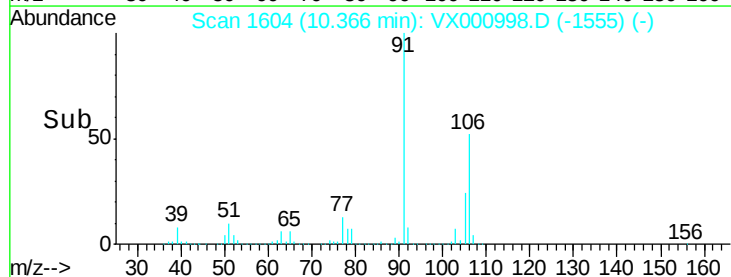
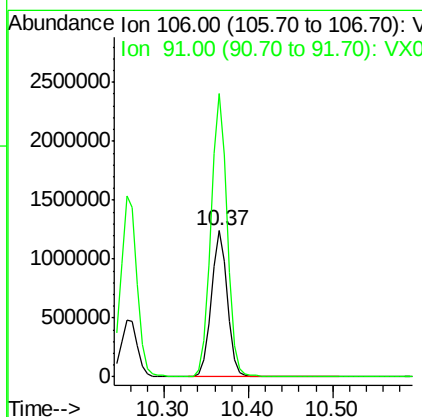
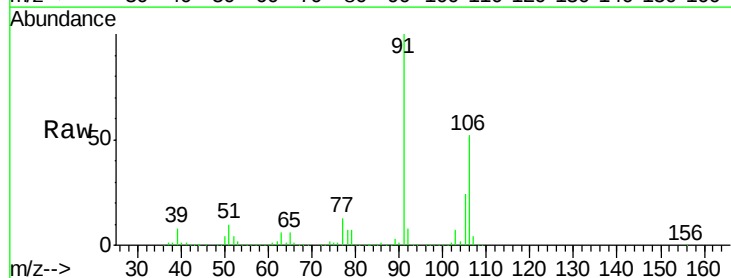
Manual Integrations
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4/20/2018 2:09:32 PM



#68
m/p-Xylenes
Concen: 350.85 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000998.D
Acq: 19 Apr 2018 19:20

Tgt Ion: 106 Resp: 1639051
Ion Ratio Lower Upper
106 100
91 196.4 159.3 238.9





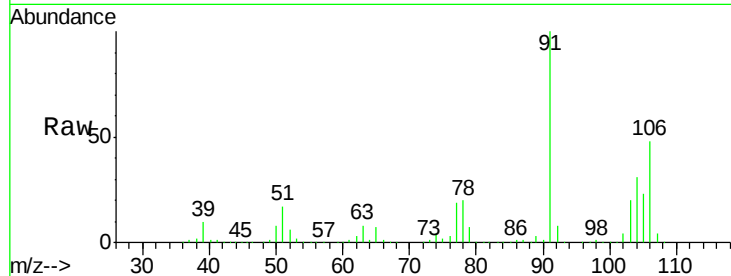
#69
o-Xylene
Concen: 174.20 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000998.D
Acq: 19 Apr 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

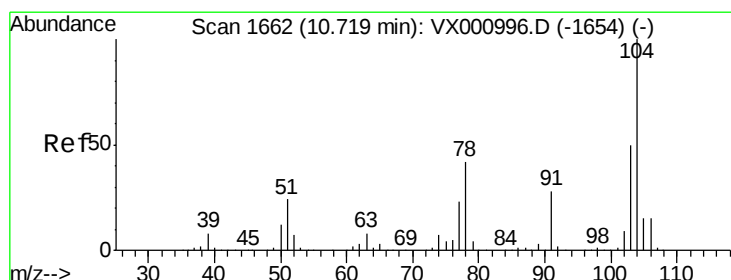
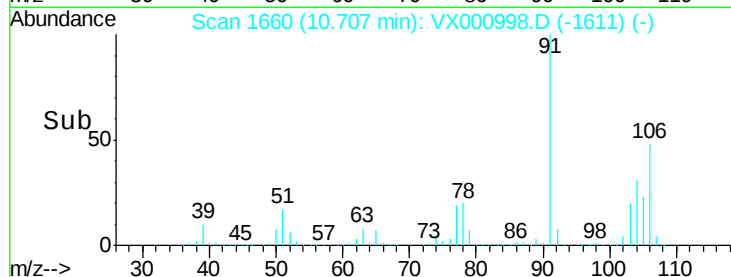
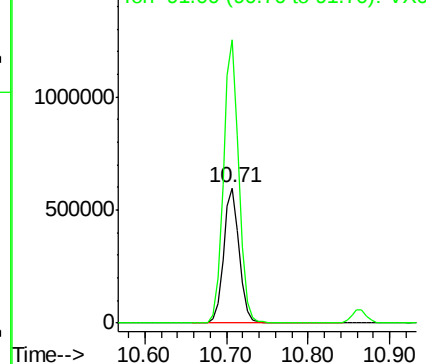
Tot Ion:106 Resp: 792135
Ion Ratio Lower Upper
106 100
91 208.9 105.1 315.1

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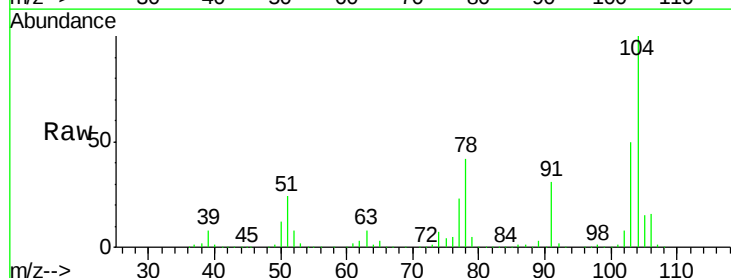


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX

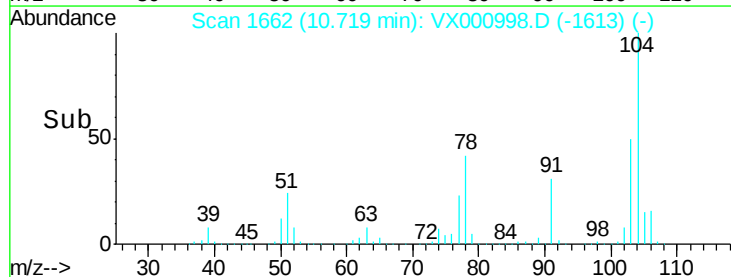
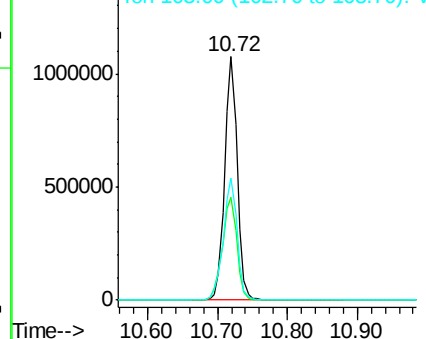


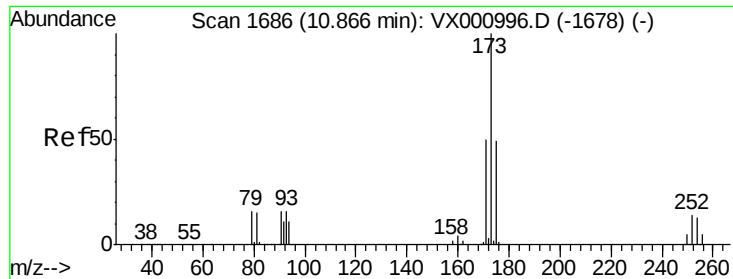
#70
Styrene
Concen: 178.95 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000998.D
Acq: 19 Apr 2018 19:20

Tgt Ion:104 Resp: 1346394
Ion Ratio Lower Upper
104 100
78 48.4 39.4 59.2
103 55.0 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 203.73 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

Instrument :

MSVOA_X

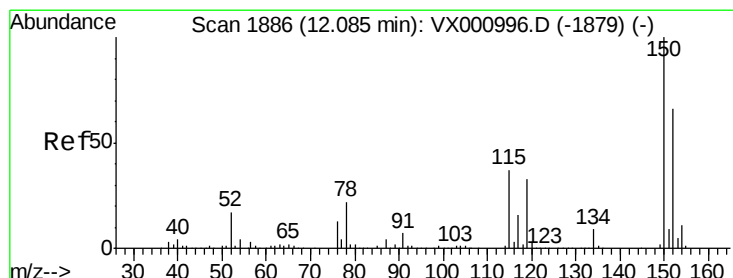
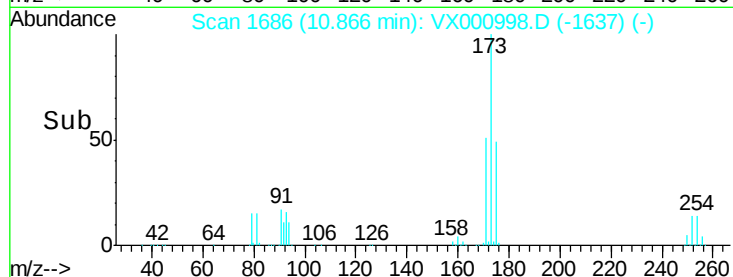
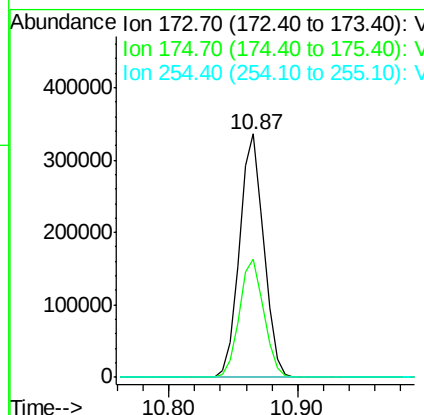
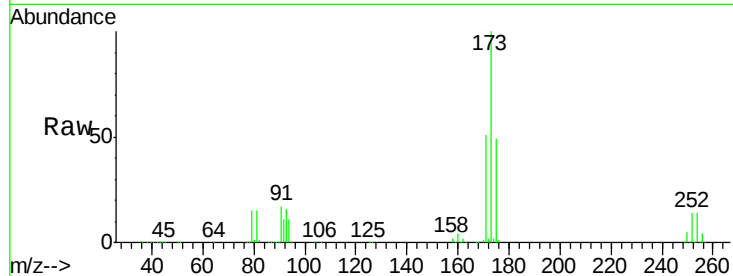
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.8	74.3
254	0.2	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

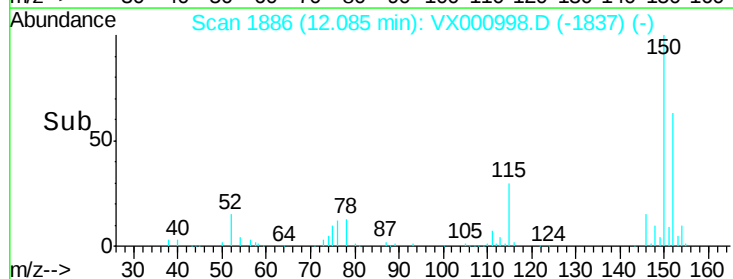
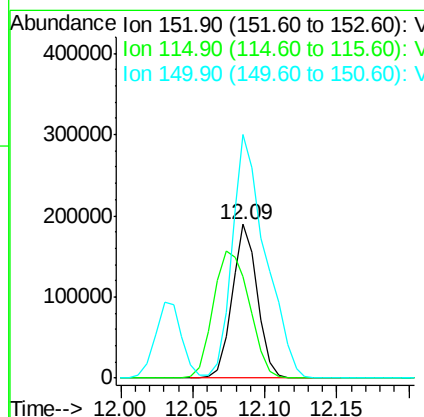
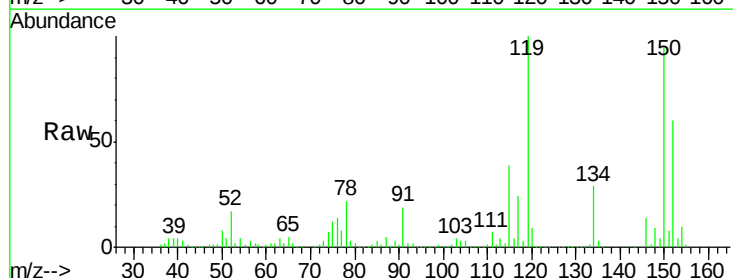
RT: 12.09 min Scan# 1886

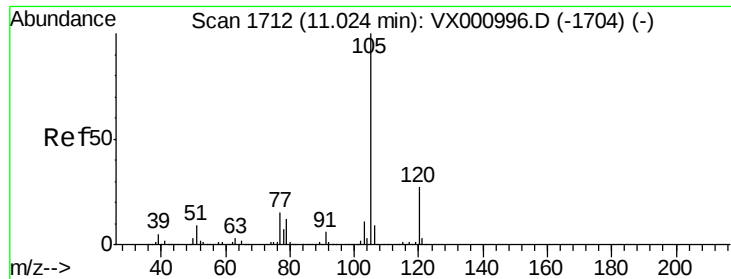
Delta R.T. 0.00 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	118.3	38.2	114.6#
150	208.8	0.0	350.4





#73

Isopropylbenzene

Concen: 167.40 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2131802

Ion Ratio Lower Upper

105 100

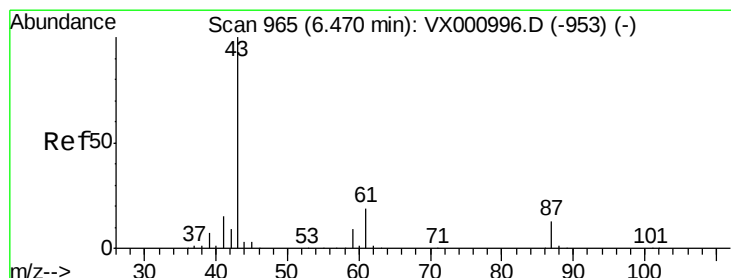
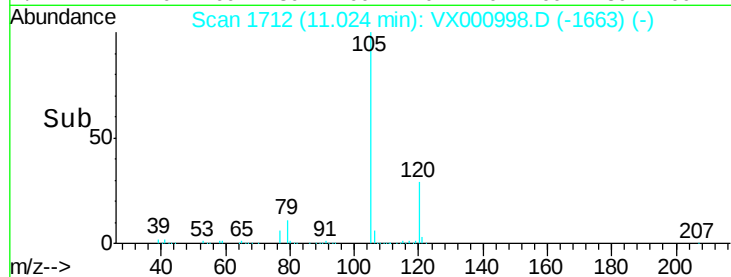
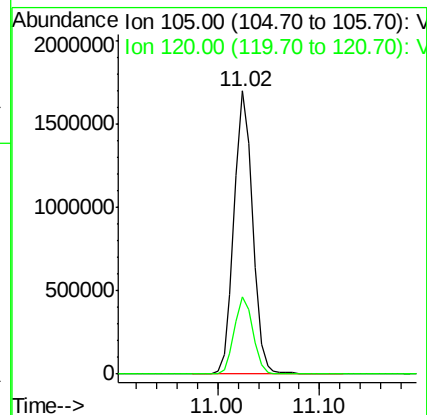
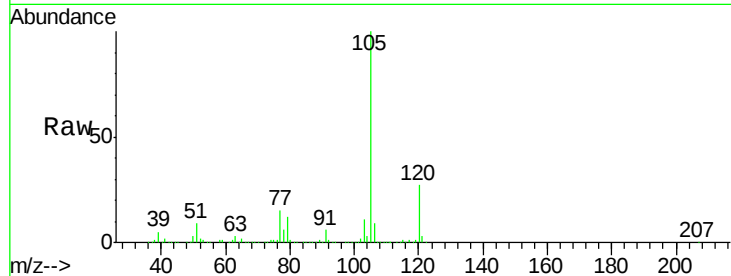
120 27.4 13.4 40.2

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#74

N-ethyl acetate

Concen: 173.10 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

Tgt Ion: 43 Resp: 920277

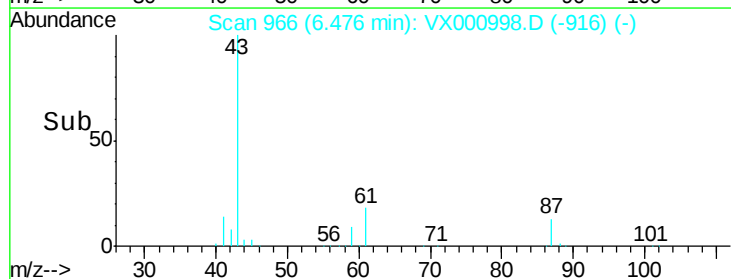
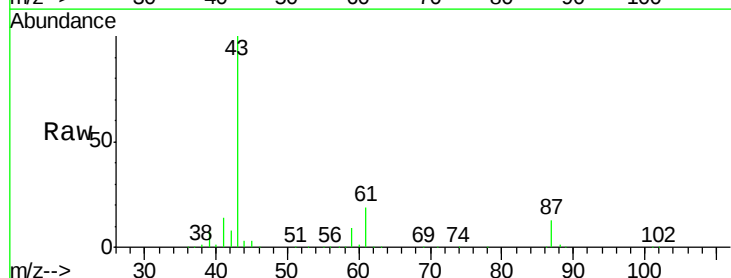
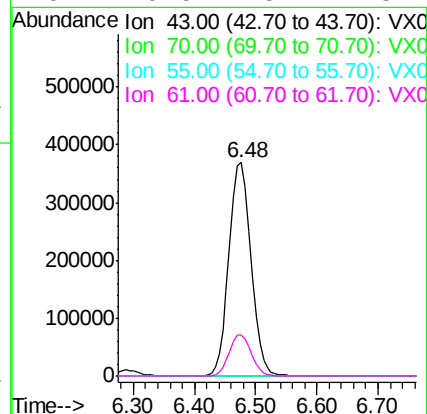
Ion Ratio Lower Upper

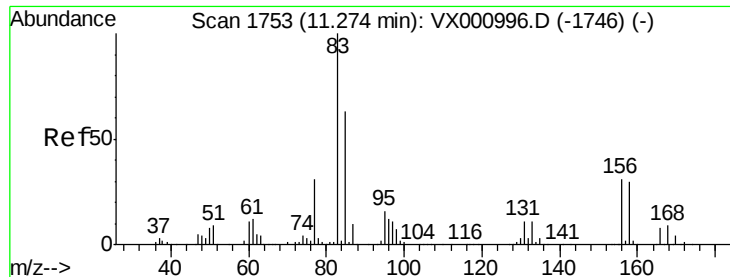
43 100

70 0.0 0.0 0.0#

55 0.0 0.1 0.1#

61 19.5 15.4 23.2





#75

1,1,2,2-Tetrachloroethane

Concen: 177.67 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 638493

Ion Ratio Lower Upper

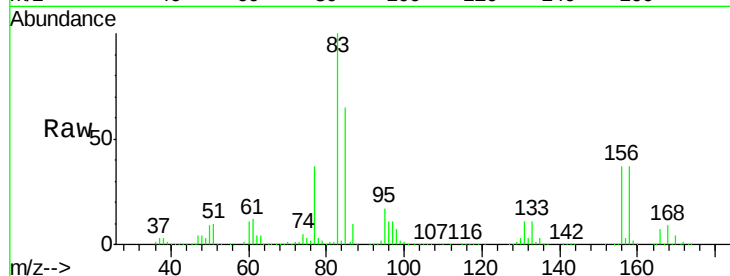
83 100

131 11.7 5.8 17.4

85 64.9 32.0 96.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

11.27

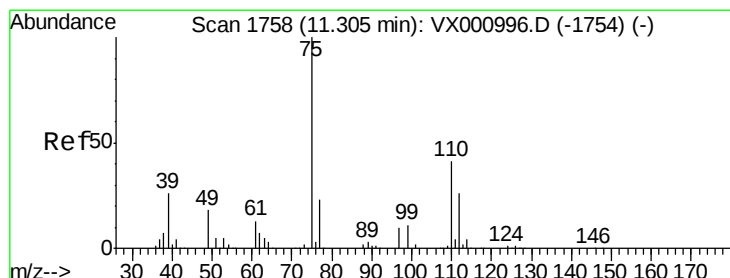
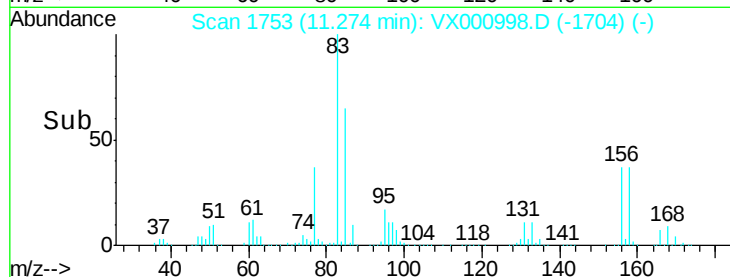
600000

400000

200000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 146.41 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX000998.D

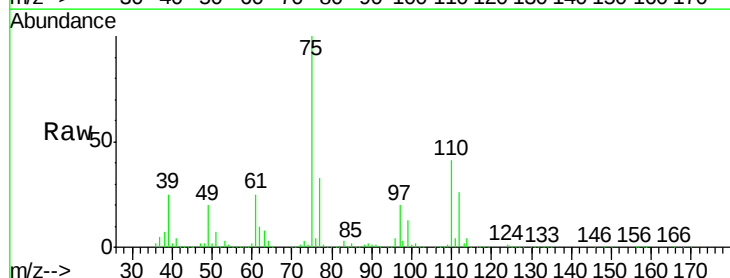
Acq: 19 Apr 2018 19:20

Tgt Ion: 75 Resp: 579222

Ion Ratio Lower Upper

75 100

77 42.1 19.6 58.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

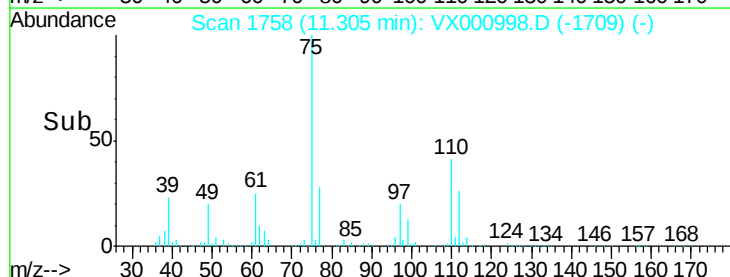
600000

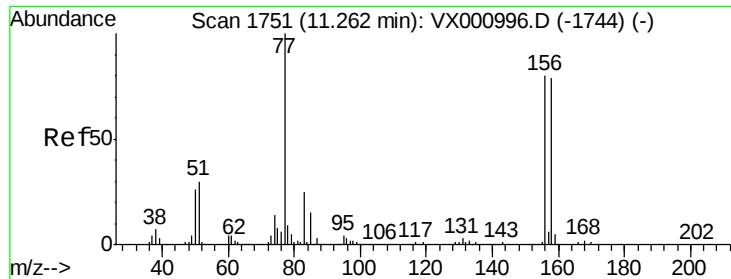
400000

200000

0

Time-->





#77

Bromobenzene

Concen: 167.95 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

Instrument :

MSVOA_X

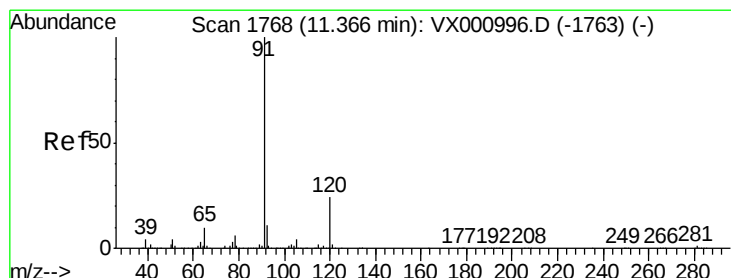
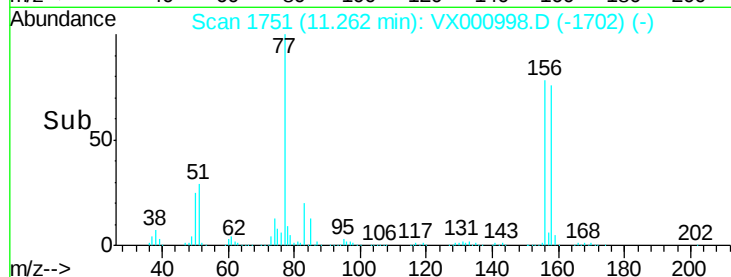
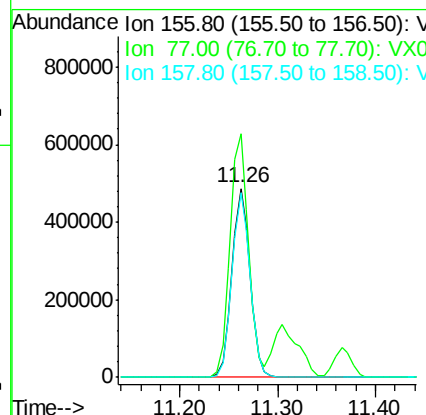
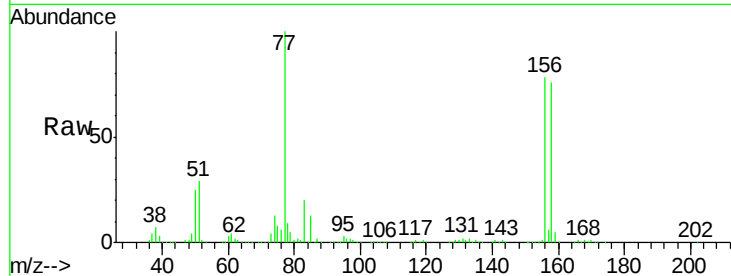
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	625676
Ion Ratio	Lower	Upper	
156	100		
77	132.2	66.3	199.0
158	98.0	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 163.34 ug/l

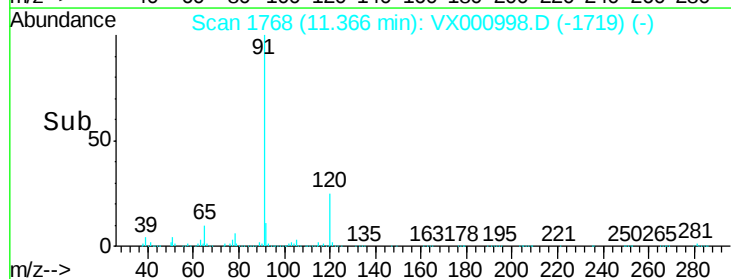
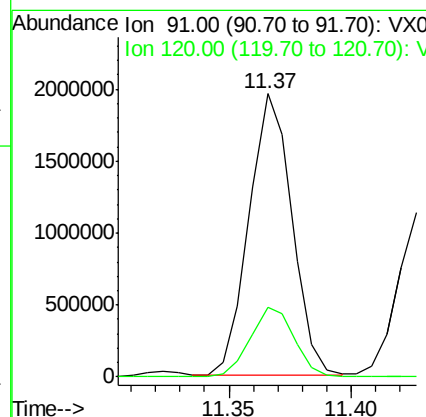
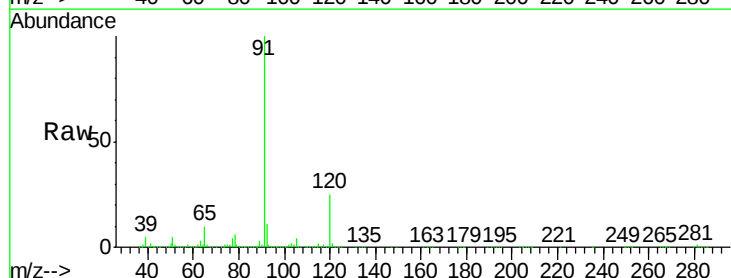
RT: 11.37 min Scan# 1768

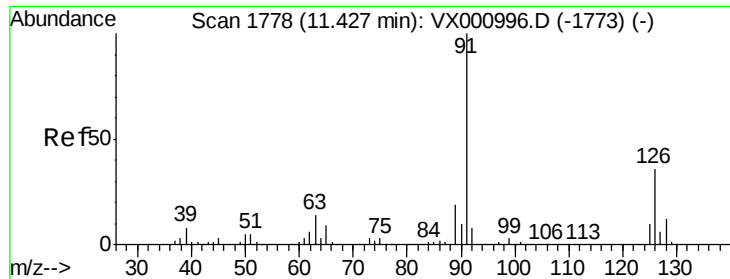
Delta R.T. 0.00 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

Tgt Ion:	91	Resp:	2405557
Ion Ratio	Lower	Upper	
91	100		
120	25.4	12.4	37.0





#79

2-Chlorotoluene

Concen: 163.73 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1426748

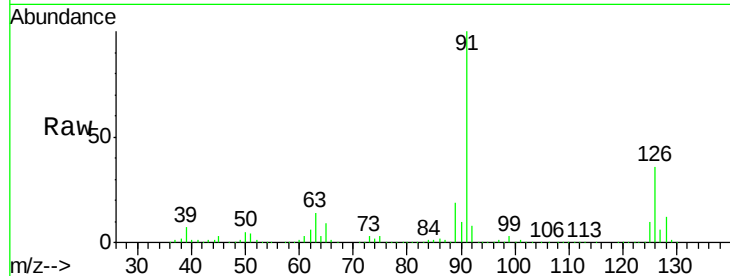
Ion Ratio Lower Upper

91 100

126 36.9 18.3 54.9

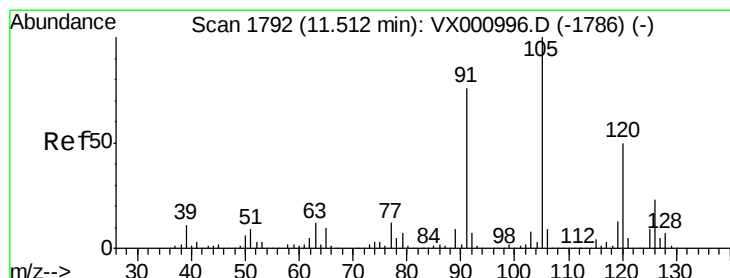
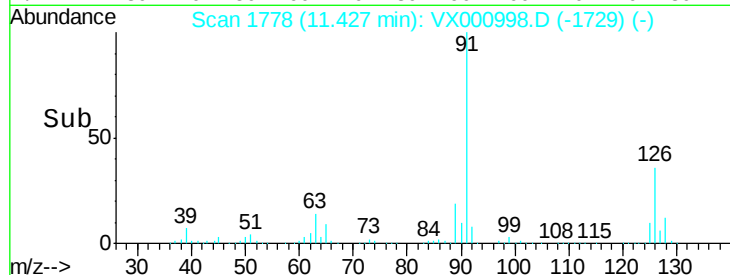
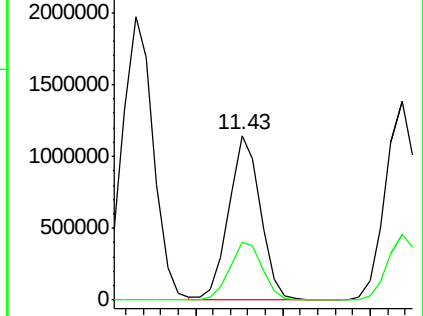
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX000998.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX000998.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 169.71 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX000998.D

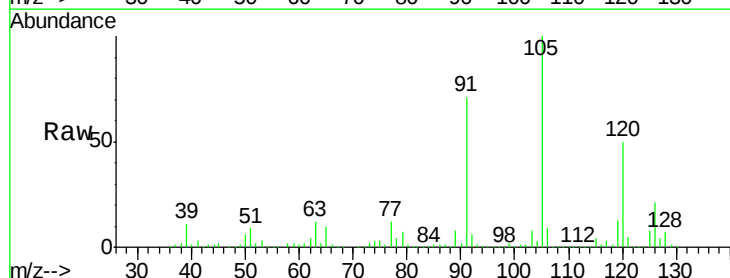
Acq: 19 Apr 2018 19:20

Tgt Ion:105 Resp: 1835632

Ion Ratio Lower Upper

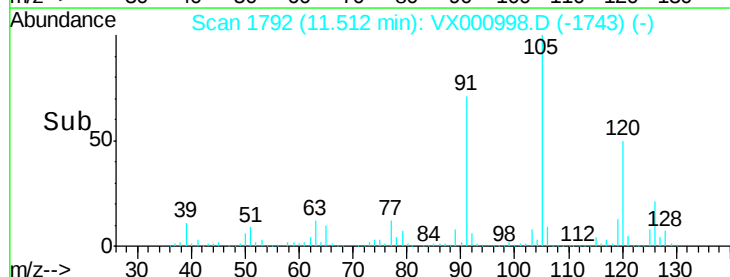
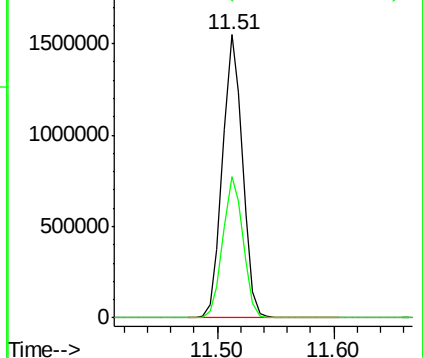
105 100

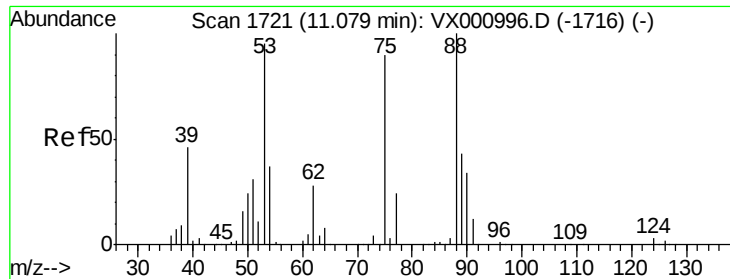
120 50.3 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VX000998.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX000998.D (-1786) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 206.85 ug/l

RT: 11.09 min Scan# 1722

Delta R.T. 0.01 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 208130

Ion Ratio Lower Upper

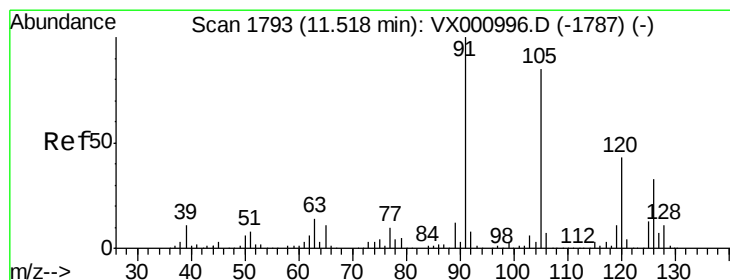
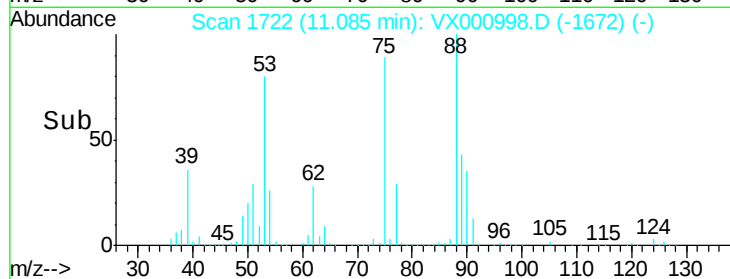
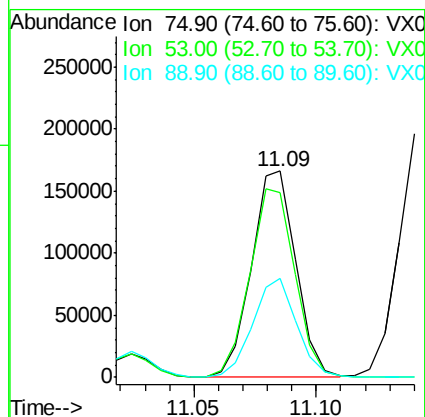
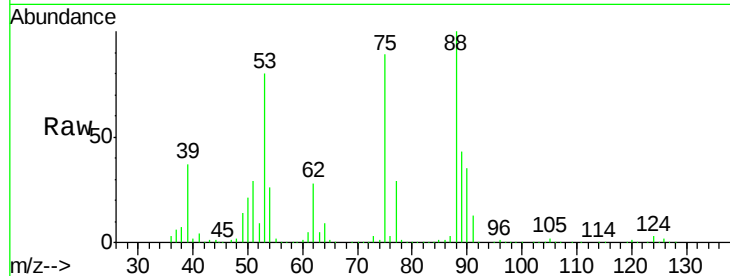
75 100

53 94.0 83.4 125.2

89 47.9 39.7 59.5

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#82

4-Chlorotoluene

Concen: 164.65 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX000998.D

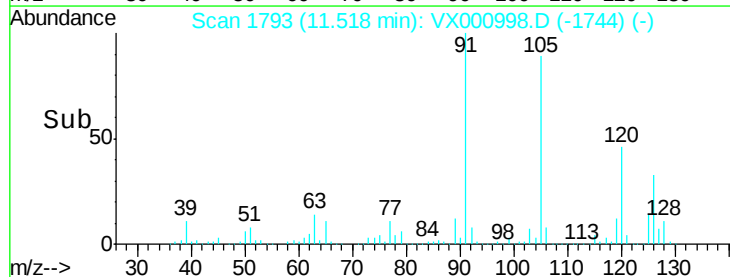
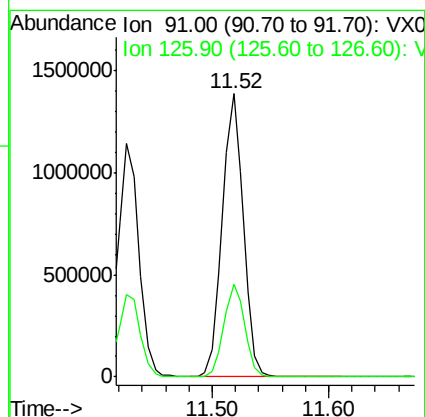
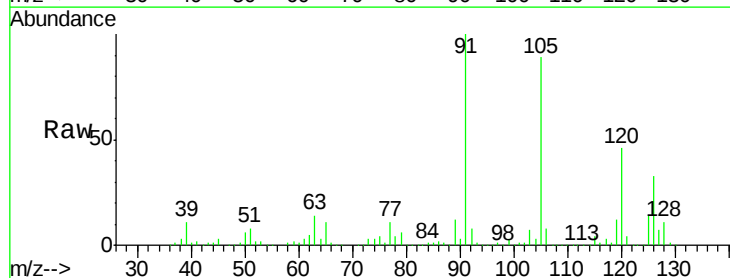
Acq: 19 Apr 2018 19:20

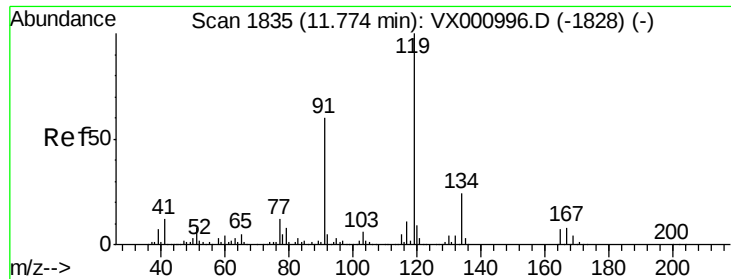
Tgt Ion: 91 Resp: 1727267

Ion Ratio Lower Upper

91 100

126 32.4 16.2 48.5





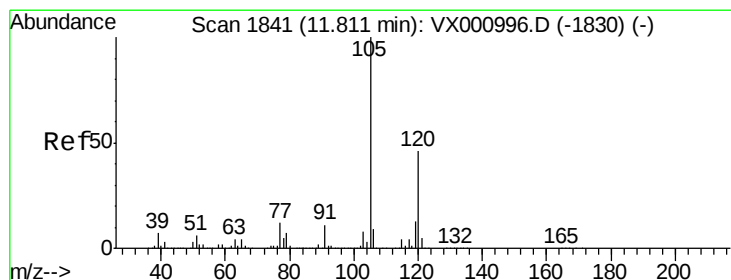
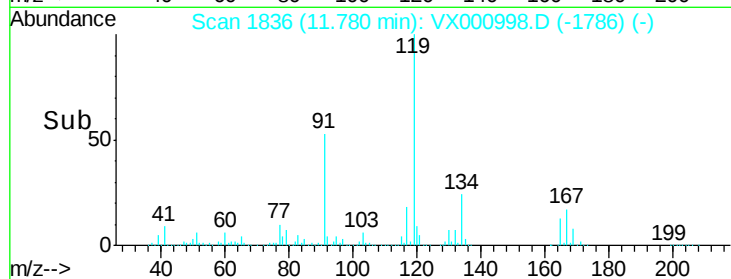
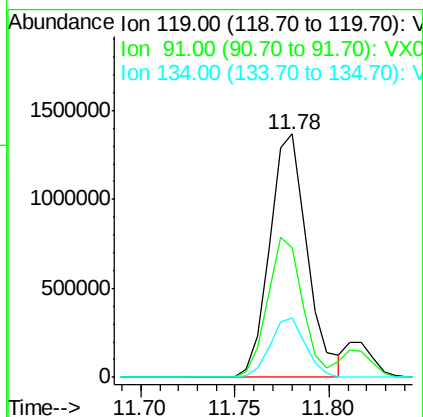
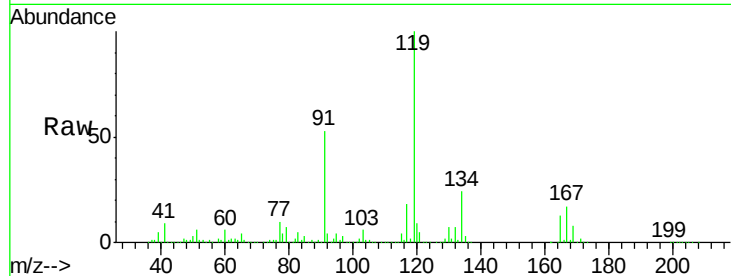
#83
 tert-Butylbenzene
 Concen: 170.31 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. 0.01 min
 Lab File: VX000998.D
 Acq: 19 Apr 2018 19:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	53.3	27.0	81.0
134	23.1	11.6	34.7

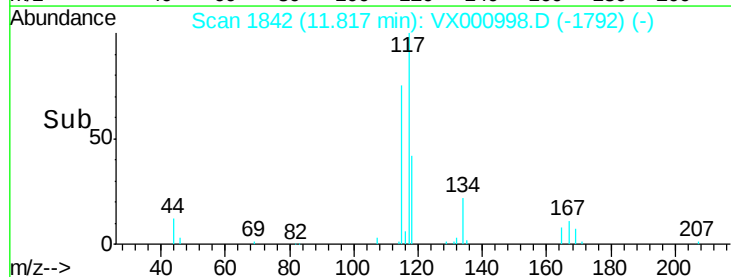
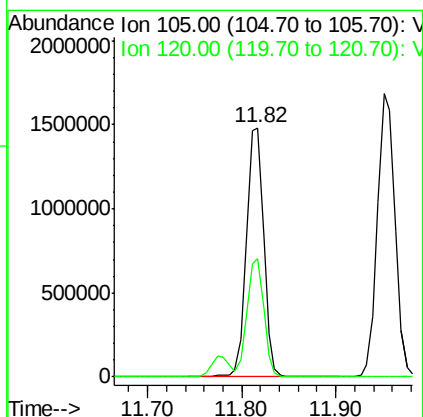
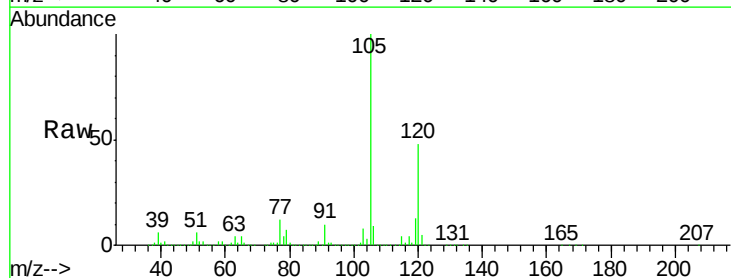
Manual Integrations
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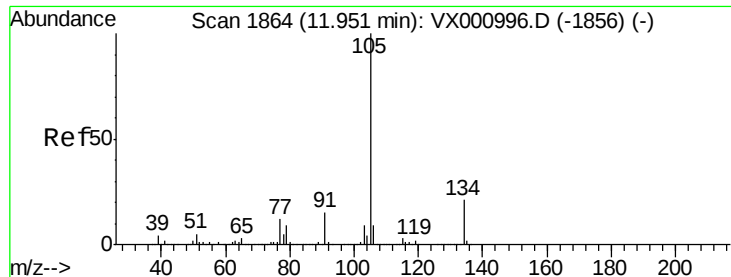
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#84
 1,2,4-Trimethylbenzene
 Concen: 171.56 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. 0.01 min
 Lab File: VX000998.D
 Acq: 19 Apr 2018 19:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.0	69.0





#85

sec-Butylbenzene

Concen: 163.76 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2185971

Ion Ratio Lower Upper

105 100

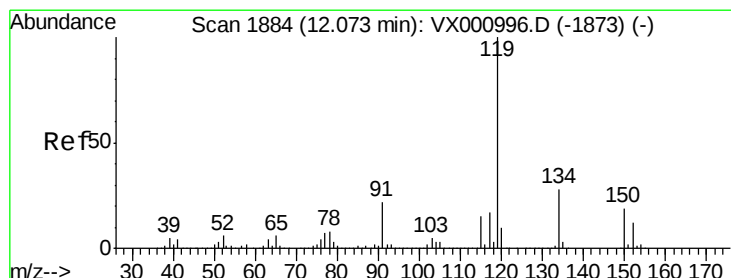
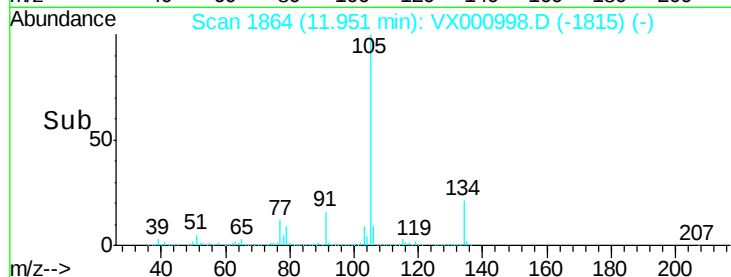
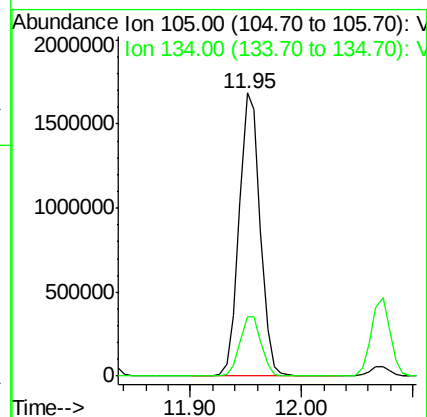
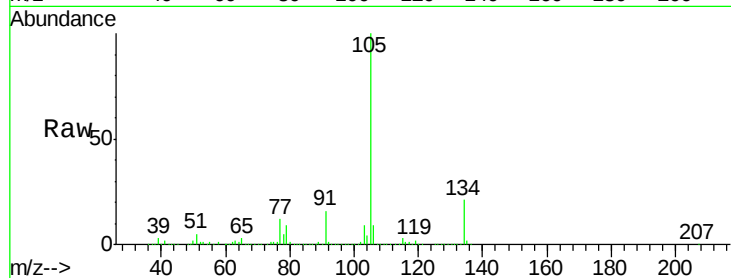
134 21.5 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 166.40 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

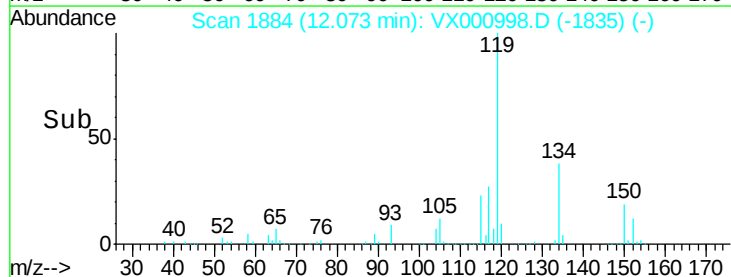
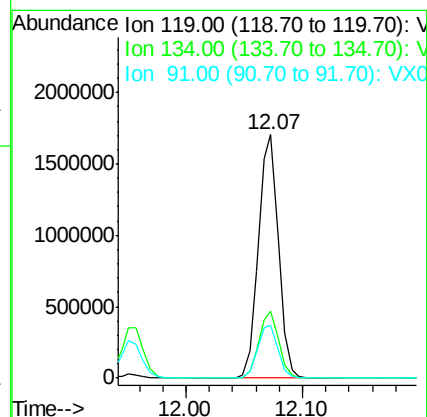
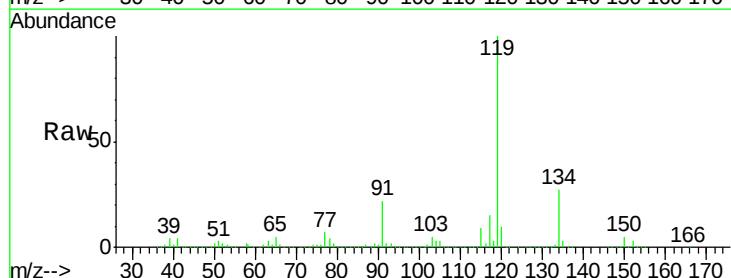
Tgt Ion:119 Resp: 2047772

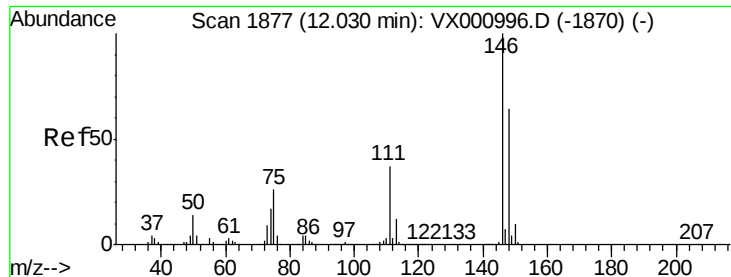
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

91 22.2 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 166.49 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1163953

Ion Ratio Lower Upper

146 100

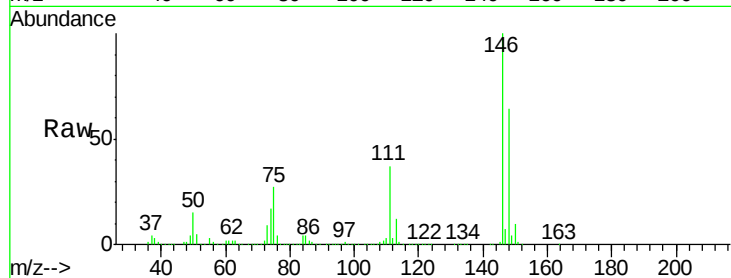
111 36.8 18.3 54.8

148 63.9 32.2 96.6

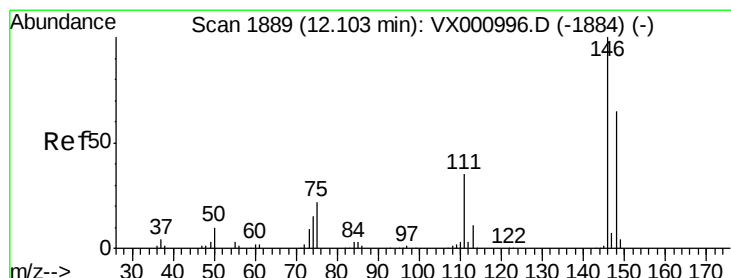
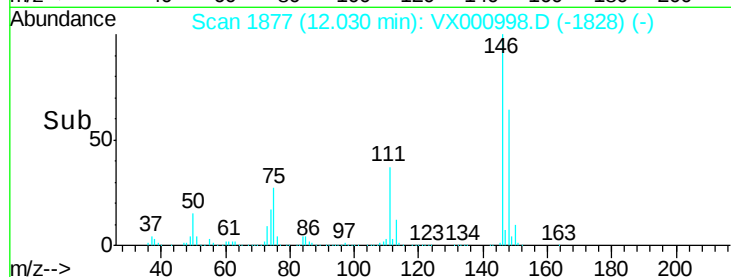
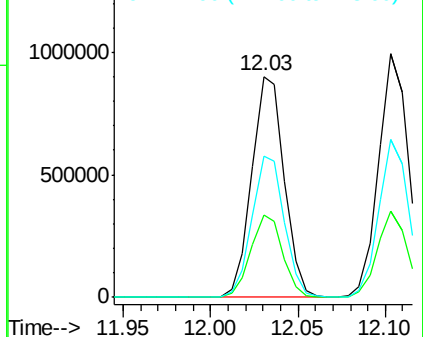
Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 165.97 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

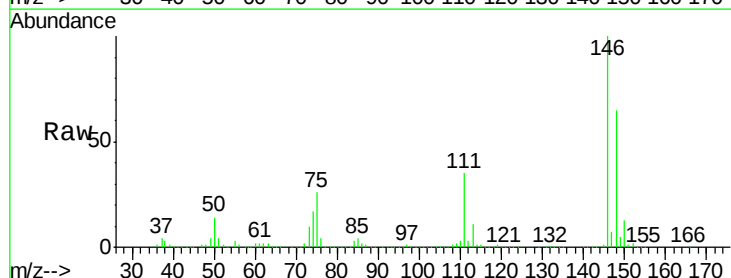
Tgt Ion:146 Resp: 1180728

Ion Ratio Lower Upper

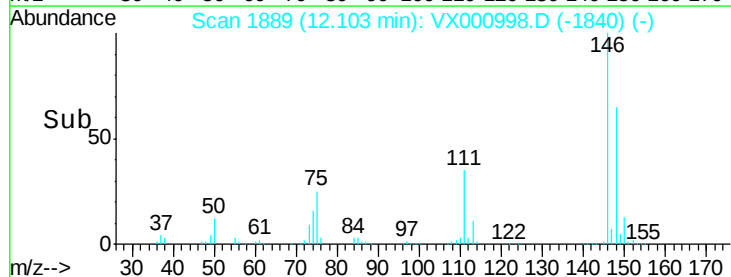
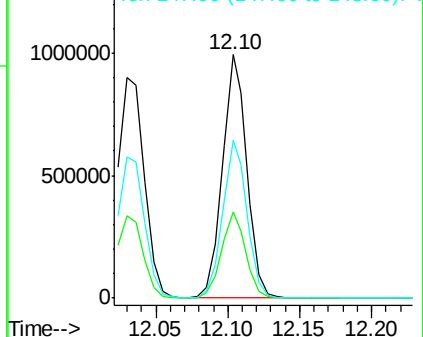
146 100

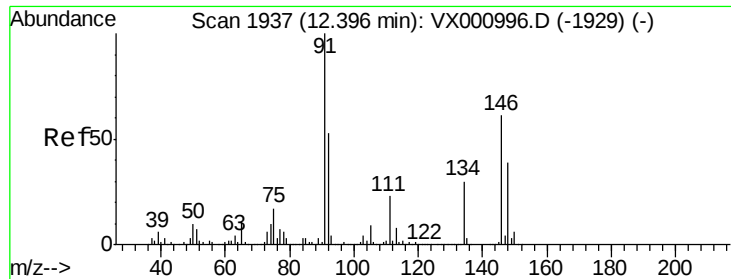
111 35.2 18.0 54.0

148 64.7 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





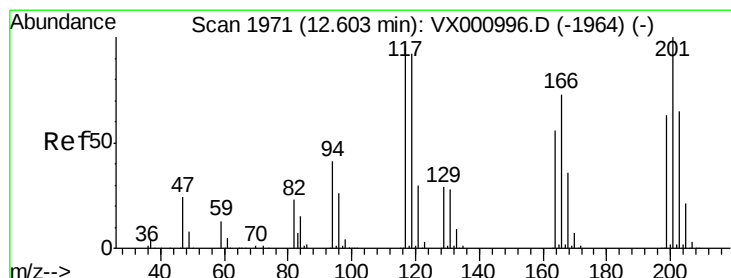
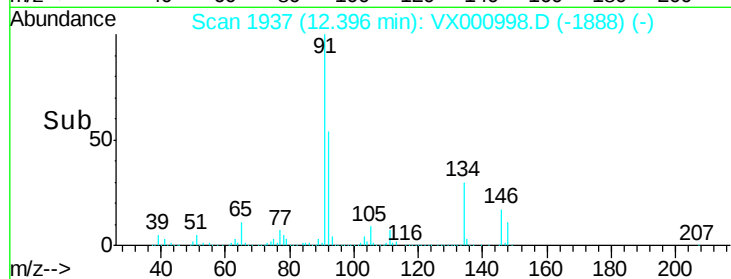
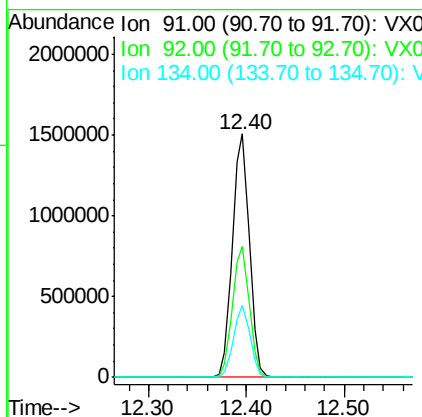
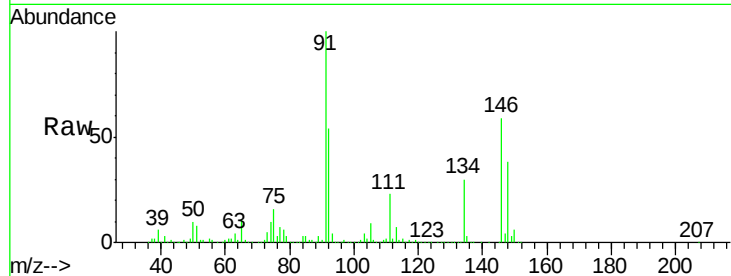
#89
n-Butylbenzene
Concen: 163.53 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX000998.D
Acq: 19 Apr 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1815826
Ion Ratio Lower Upper
91 100
92 53.5 26.3 78.9
134 29.0 14.4 43.0

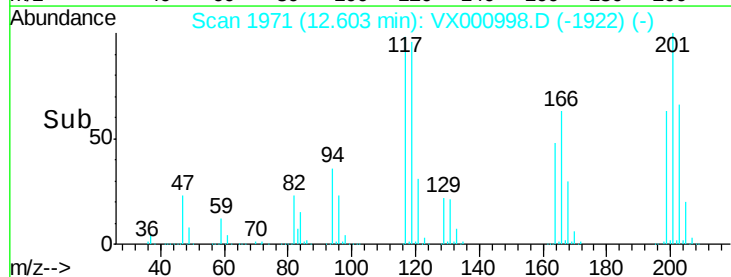
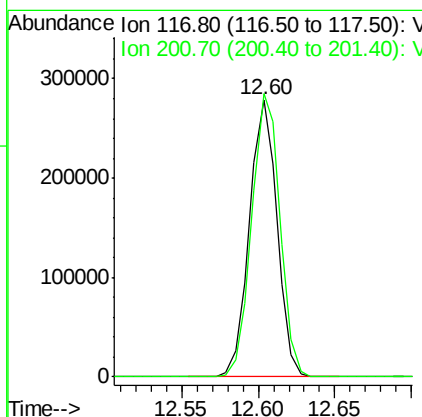
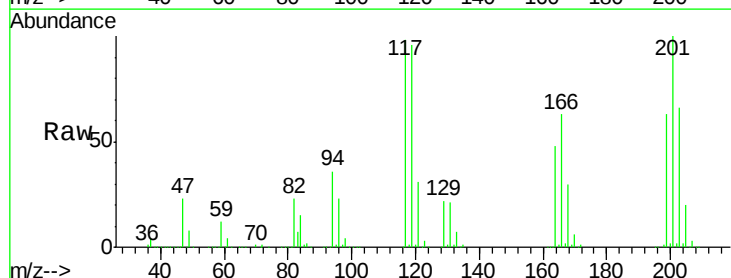
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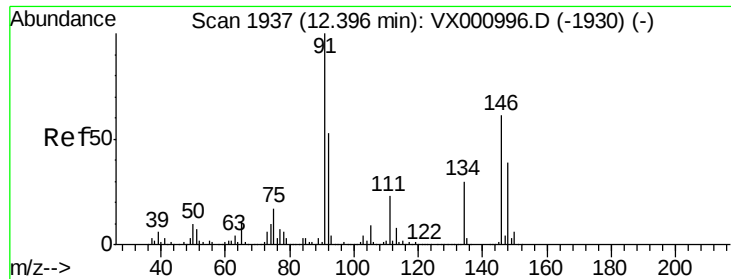
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#90
Hexachloroethane
Concen: 196.49 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX000998.D
Acq: 19 Apr 2018 19:20

Tgt Ion: 117 Resp: 349570
Ion Ratio Lower Upper
117 100
201 104.7 52.3 157.1





#91

1,2-Dichlorobenzene

Concen: 168.84 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1139794

Ion Ratio Lower Upper

146 100

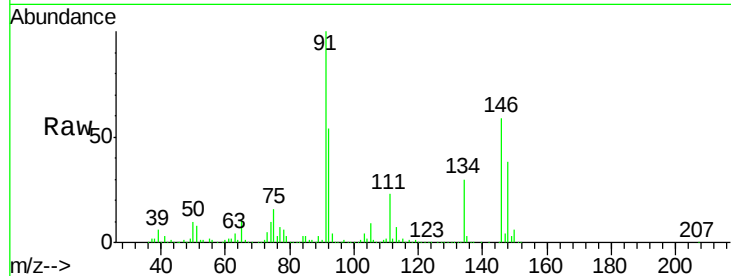
111 37.9 18.6 56.0

148 64.3 32.3 96.8

Manual Integrations
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MMDadoda

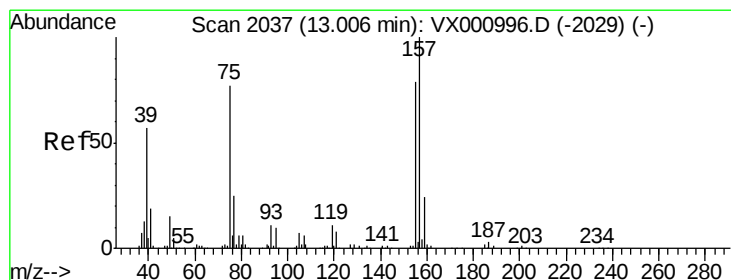
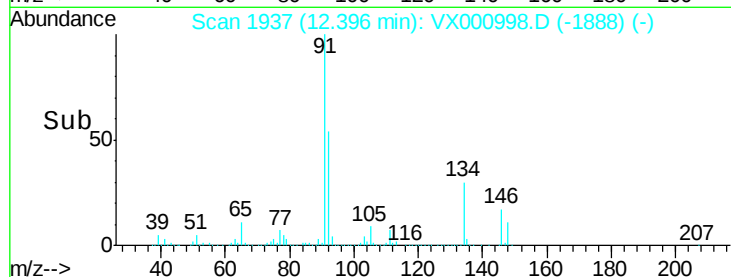
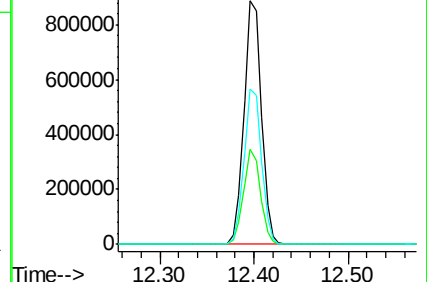
4/20/2018 2:09:32 PM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 191.18 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

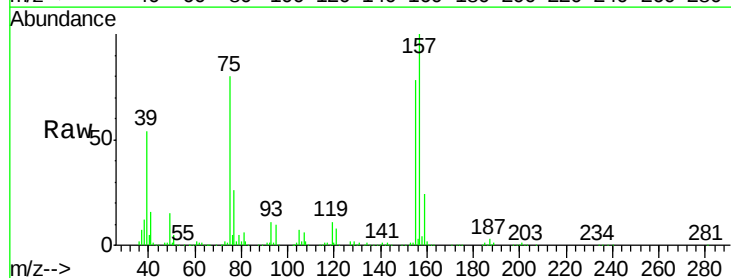
Tgt Ion: 75 Resp: 143522

Ion Ratio Lower Upper

75 100

155 102.6 51.0 153.0

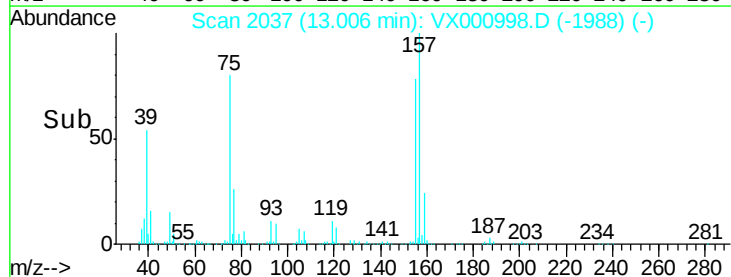
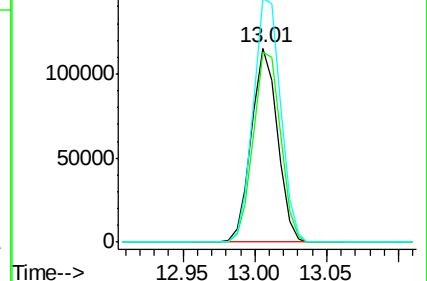
157 131.8 64.9 194.7

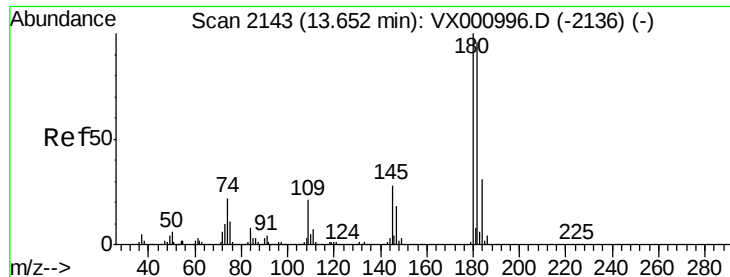


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





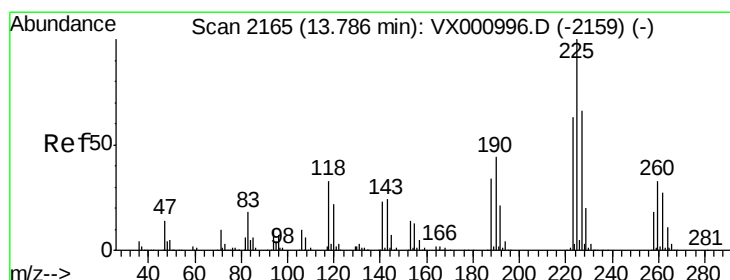
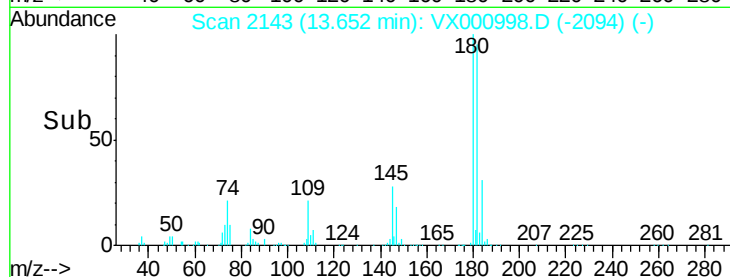
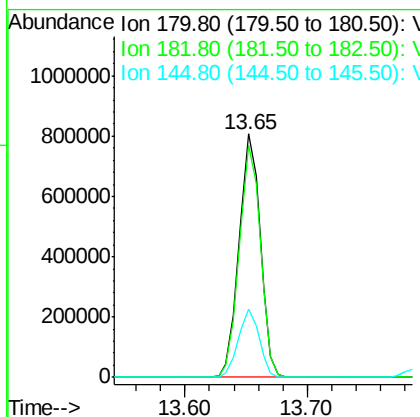
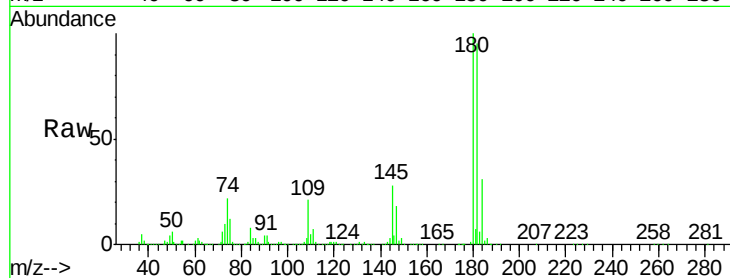
#93
 1,2,4-Trichlorobenzene
 Concen: 160.89 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX000998.D
 Acq: 19 Apr 2018 19:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	48.0	144.0	
145	27.5	13.9	41.7	

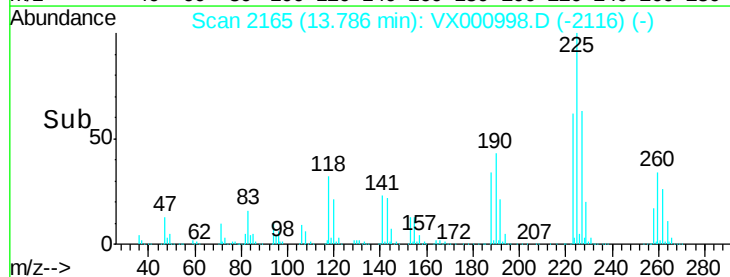
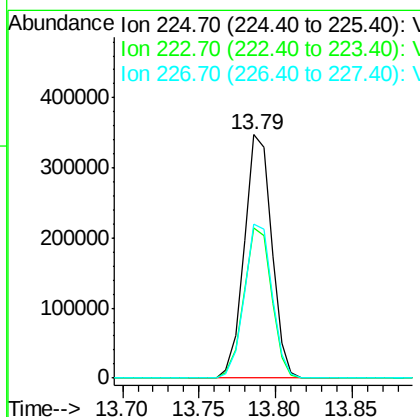
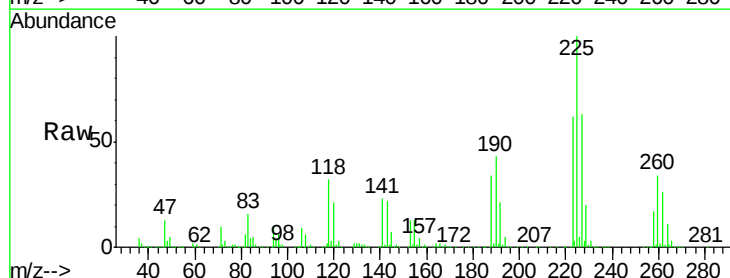
Manual Integrations
 APPROVED

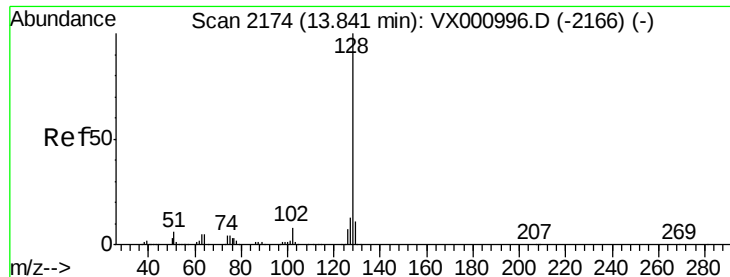
MMDadoda
 4/20/2018 2:09:32 PM



#94
 Hexachlorobutadiene
 Concen: 162.74 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX000998.D
 Acq: 19 Apr 2018 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.3	31.5	94.5	
227	63.8	32.6	97.8	





#95

Naphthalene

Concen: 173.44 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 2428433

Ion Ratio Lower Upper

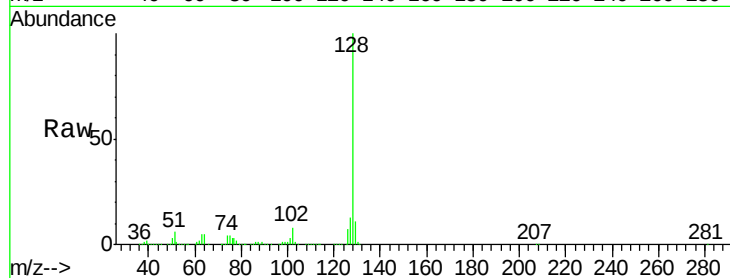
128 100

127 13.0 10.2 15.4

129 11.1 8.7 13.1

Manual Integrations
APPROVED

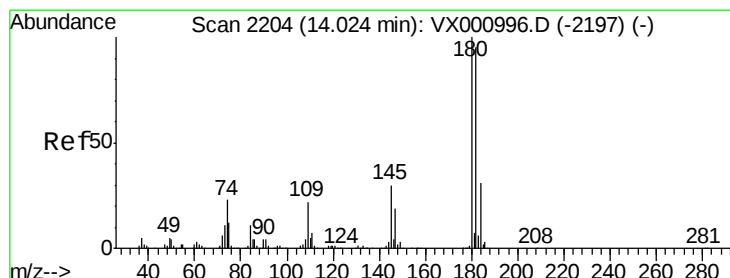
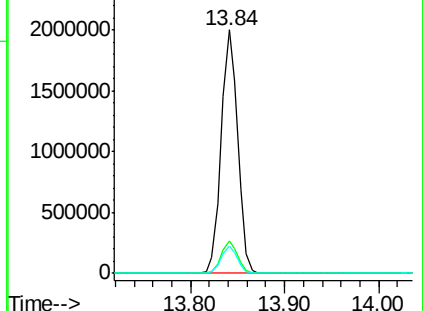
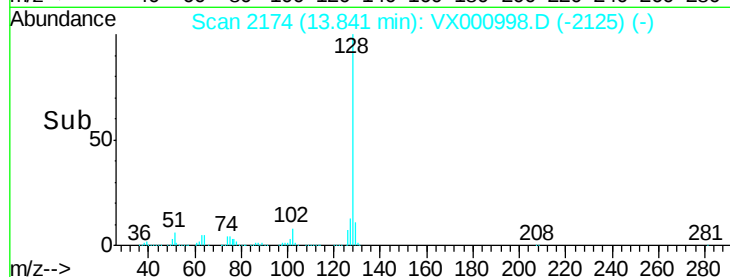
MMDadoda
4/20/2018 2:09:32 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 165.79 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.01 min

Lab File: VX000998.D

Acq: 19 Apr 2018 19:20

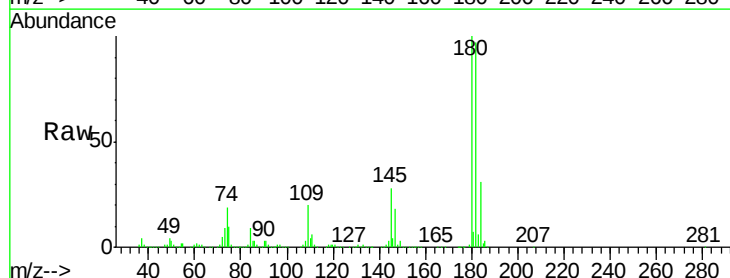
Tgt Ion:180 Resp: 923133

Ion Ratio Lower Upper

180 100

182 96.4 47.9 143.7

145 29.3 14.5 43.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

