

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061618\
 Data File : VX002674.D
 Acq On : 17 Jun 2018 03:22
 Operator : JC/MD
 Sample : J3509-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-061318MSD

Manual Integrations
 APPROVED

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 6/19/2018 1:04:55 PM

Quant Time: Jun 18 04:28:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	214677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	310932	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	296059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	188982	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	153720	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	
35) Dibromofluoromethane	5.51	113	124870	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
50) Toluene-d8	8.72	98	456198	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
62) 4-Bromofluorobenzene	11.14	95	173459	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	102417	44.939	ug/l	99
3) Chloromethane	1.32	50	118623	43.756	ug/l	99
4) Vinyl Chloride	1.41	62	132901	47.242	ug/l	97
5) Bromomethane	1.64	94	73945	43.563	ug/l	98
6) Chloroethane	1.73	64	88958	47.976	ug/l	99
7) Trichlorofluoromethane	1.93	101	225573	49.353	ug/l	96
8) Diethyl Ether	2.19	74	82556	47.490	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	121137	47.415	ug/l	99
10) Methyl Iodide	2.51	142	146023	43.145	ug/l	99
11) Tert butyl alcohol	3.07	59	136335	202.157	ug/l	98
12) 1,1-Dichloroethene	2.37	96	114234	47.623	ug/l	99
13) Acrolein	2.30	56	59798	190.809	ug/l	97
14) Allyl chloride	2.73	41	218957	45.973	ug/l	98
15) Acrylonitrile	3.15	53	342596	232.798	ug/l	99
16) Acetone	2.45	43	318665	221.405	ug/l	100
17) Carbon Disulfide	2.57	76	285241	50.137	ug/l	99
18) Methyl Acetate	2.78	43	168586	43.966	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	425631	47.300	ug/l	99
20) Methylene Chloride	2.86	84	130543	44.236	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	123602	47.497	ug/l	99
22) Diisopropyl ether	3.88	45	411557	47.762	ug/l	97
23) Vinyl Acetate	3.83	43	1596241	221.330	ug/l	99
24) 1,1-Dichloroethane	3.70	63	233933	50.019	ug/l	99
25) 2-Butanone	4.71	43	445770	235.837	ug/l	100
26) 2,2-Dichloropropane	4.59	77	121845	36.258	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	131425	49.636	ug/l	91
28) Bromochloromethane	5.03	49	103456	47.236	ug/l	96
29) Tetrahydrofuran	5.17	42	290023	234.121	ug/l	97
30) Chloroform	5.22	83	230663	51.146	ug/l	97
31) Cyclohexane	5.57	56	180543	46.887	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	199732	52.952	ug/l	100
36) 1,1-Dichloropropene	5.81	75	161000	48.754	ug/l	99
37) Ethyl Acetate	4.87	43	166851	44.640	ug/l	99
38) Carbon Tetrachloride	5.79	117	173455	52.748	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	181504	47.016	ug/l	96
40) Benzene	6.15	78	488929	49.378	ug/l	99
41) Methacrylonitrile	5.07	41	103052	48.831	ug/l	98
42) 1,2-Dichloroethane	6.20	62	191175	49.868	ug/l	99
43) Isopropyl Acetate	6.47	43	282963	45.693	ug/l	99
44) Trichloroethene	7.22	130	141533	49.522	ug/l	98
45) 1,2-Dichloropropane	7.52	63	131021	50.276	ug/l	99
46) Dibromomethane	7.67	93	89579	51.387	ug/l	98
47) Bromodichloromethane	7.90	83	166371	54.111	ug/l	100
48) Methyl methacrylate	7.78	41	153499	48.505	ug/l	97
49) 1,4-Dioxane	7.76	88	50413	841.206	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	965173	242.740	ug/l	100
52) Toluene	8.79	92	318610	50.442	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	183592	45.343	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	170900	44.402	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	132895	52.069	ug/l	97
56) Ethyl methacrylate	9.18	69	197416	50.262	ug/l	97
57) 1,3-Dichloropropane	9.38	76	214551	49.703	ug/l	99
59) 2-Hexanone	9.50	43	726404	242.442	ug/l	98
60) Dibromochloromethane	9.59	129	137991	48.209	ug/l	99
61) 1,2-Dibromoethane	9.68	107	139285	52.693	ug/l	100
64) Tetrachloroethene	9.34	164	144358	43.927	ug/l	99
65) Chlorobenzene	10.14	112	368677	50.707	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	135797	54.784	ug/l	99
67) Ethyl Benzene	10.26	91	619821	50.542	ug/l	99
68) m/p-Xylenes	10.36	106	476975	100.828	ug/l	99
69) o-Xylene	10.70	106	234354	50.423	ug/l	98
70) Stvrene	10.71	104	394303	51.586	ug/l	99
71) Bromoform	10.86	173	103953	46.446	ug/l	100
73) Isopropylbenzene	11.02	105	630330	49.871	ug/l	100
74) N-amyl acetate	6.47	43	282963	45.059	ug/l	# 99
75) 1,1,2,2-Tetrachloroethane	11.27	83	196106	52.540	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	167707m	47.028	ug/l	
77) Bromobenzene	11.26	156	179023	50.841	ug/l	97
78) n-propylbenzene	11.37	91	716728	49.445	ug/l	99
79) 2-Chlorotoluene	11.43	91	424060	48.999	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	528794	49.506	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	44381	40.674	ug/l	94
82) 4-Chlorotoluene	11.51	91	509847	49.926	ug/l	99
83) tert-Butylbenzene	11.77	119	527209	51.235	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	547705	50.251	ug/l	99
85) sec-Butylbenzene	11.95	105	636723	49.763	ug/l	100
86) p-Isopropyltoluene	12.07	119	574759	49.647	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	322504	49.942	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	330582	50.313	ug/l	98
89) n-Butylbenzene	12.39	91	506567	49.601	ug/l	100
90) Hexachloroethane	12.60	117	84513	46.998	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	324990	50.004	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	42287	54.088	ug/l	97
93) 1,2,4-Trichlorobenzene	13.65	180	237360	50.320	ug/l	99

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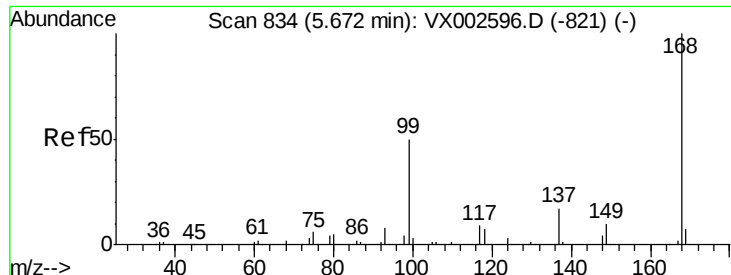
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	116060	46.708	ug/l	99
95) Naphthalene	13.84	128	668678	52.681	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	241903	51.061	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002674.D

Acq: 17 Jun 2018 03:22

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MSD

Tot Ion:168 Resp: 214677

Ion Ratio Lower Upper

168 100

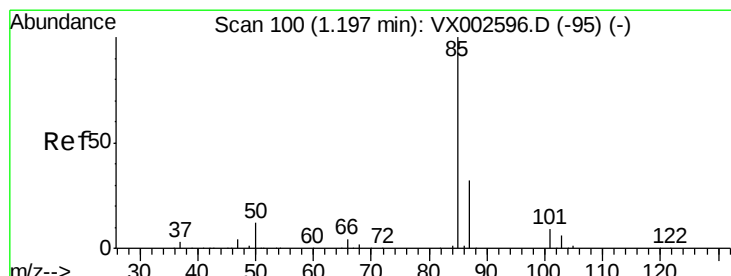
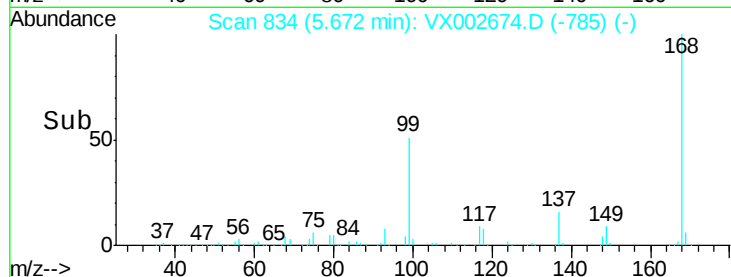
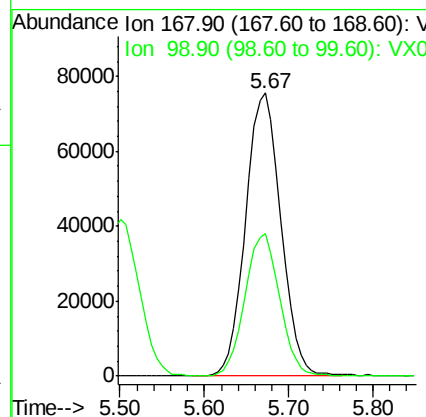
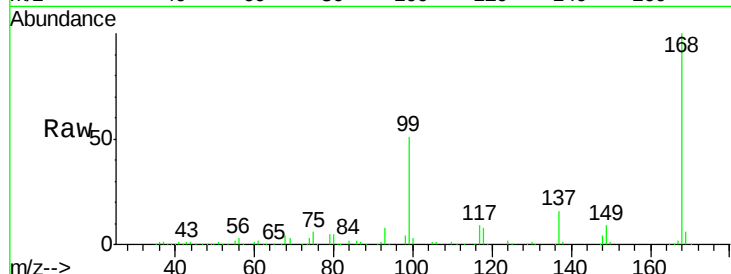
99 50.3 39.3 58.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 44.939 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002674.D

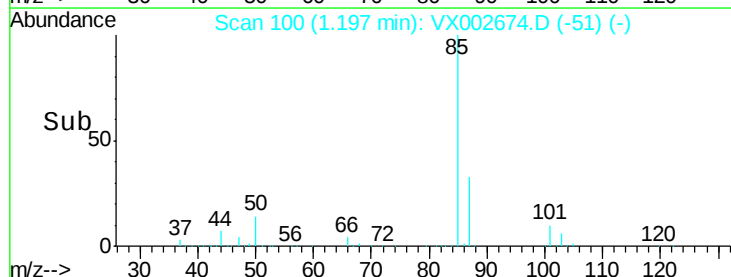
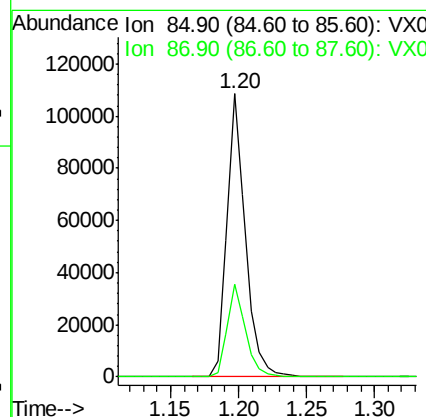
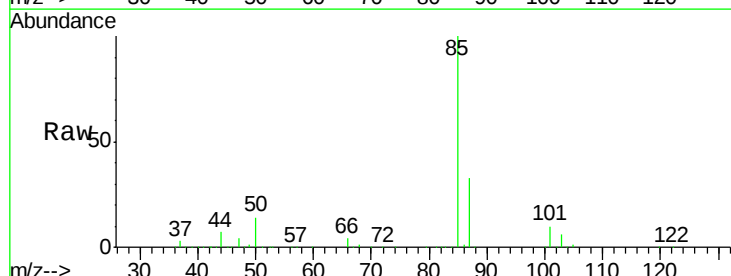
Acq: 17 Jun 2018 03:22

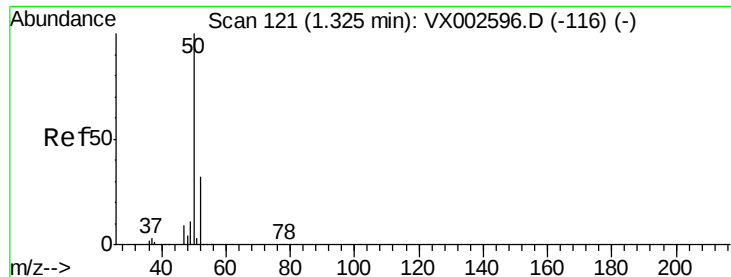
Tgt Ion: 85 Resp: 102417

Ion Ratio Lower Upper

85 100

87 32.7 16.0 47.9





#3

Chloromethane

Concen: 43.756 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002674.D

Acq: 17 Jun 2018 03:22

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MSD

Tot Ion: 50 Resp: 118623

Ion Ratio Lower Upper

50 100

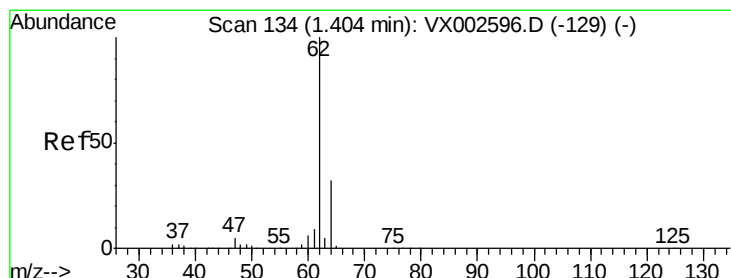
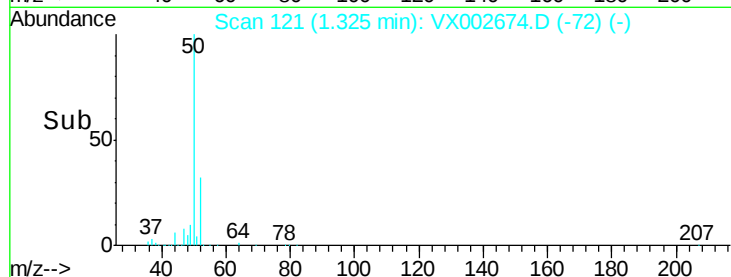
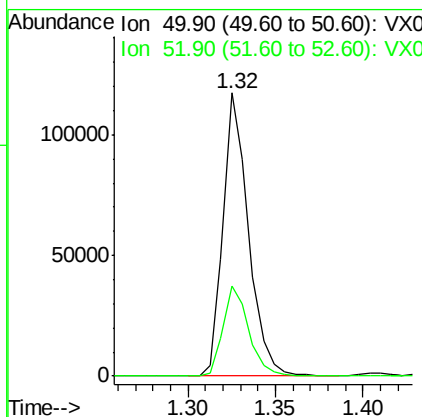
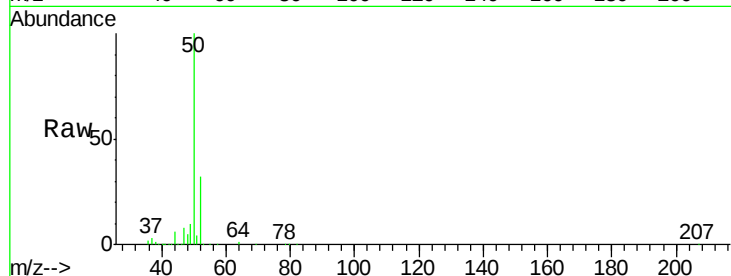
52 31.8 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.242 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002674.D

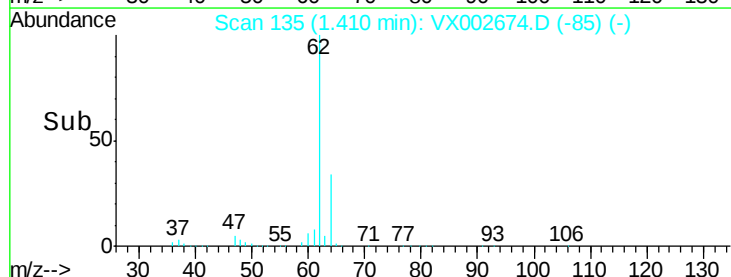
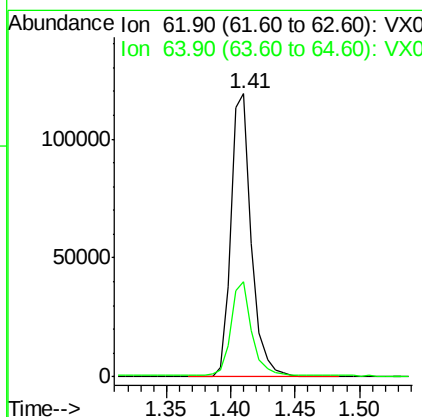
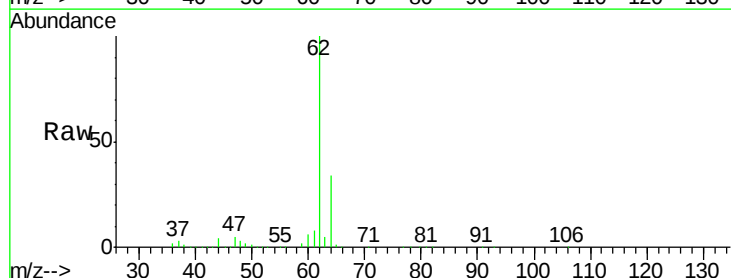
Acq: 17 Jun 2018 03:22

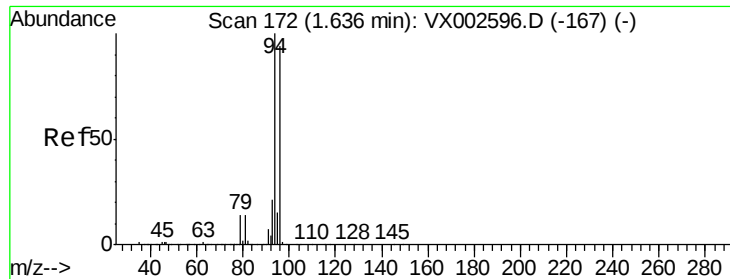
Tgt Ion: 62 Resp: 132901

Ion Ratio Lower Upper

62 100

64 33.2 25.4 38.2





#5

Bromomethane

Concen: 43.563 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002674.D

Acq: 17 Jun 2018 03:22

Instrument :

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MWHR2-6-061318MSD

Tot Ion: 94 Resp: 73945

Ion Ratio Lower Upper

94 100

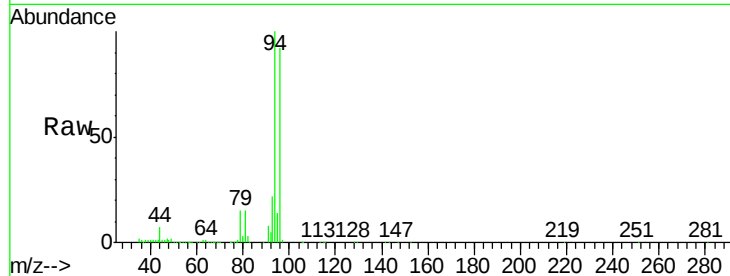
96 91.7 74.9 112.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

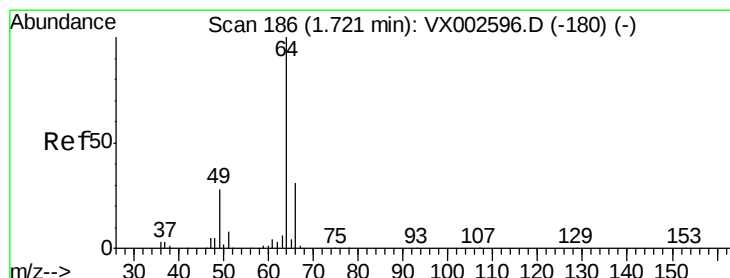
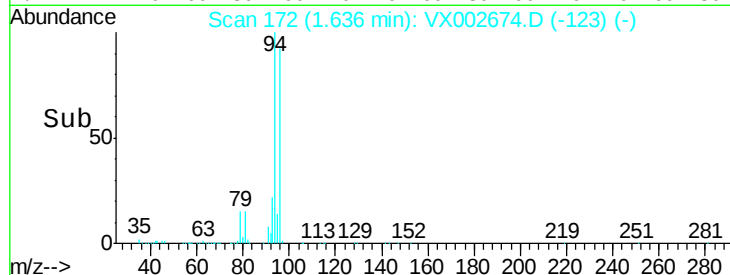
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 47.976 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002674.D

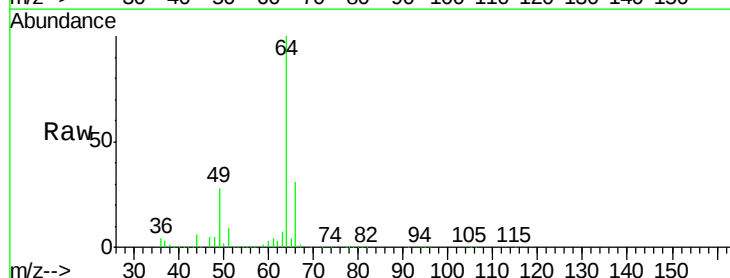
Acq: 17 Jun 2018 03:22

Tgt Ion: 64 Resp: 88958

Ion Ratio Lower Upper

64 100

66 31.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

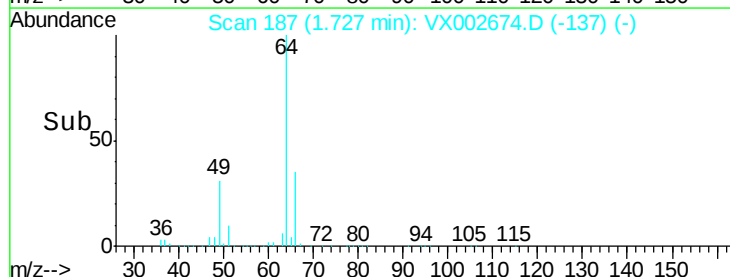
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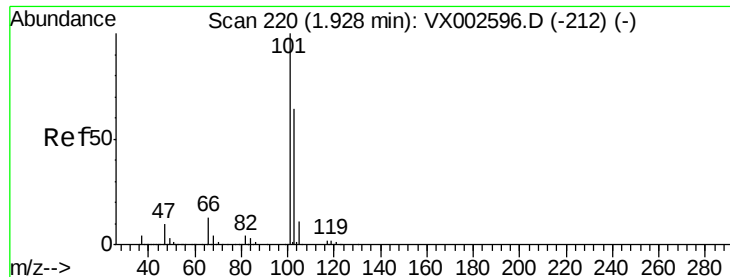
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Time-->





#7

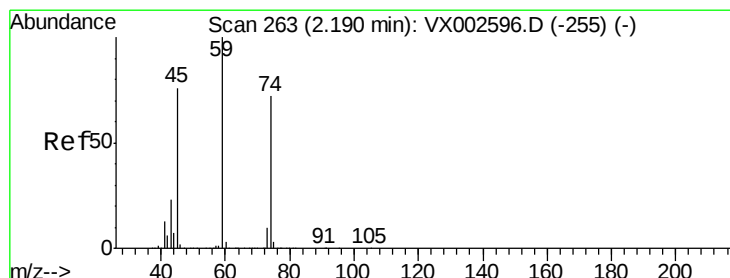
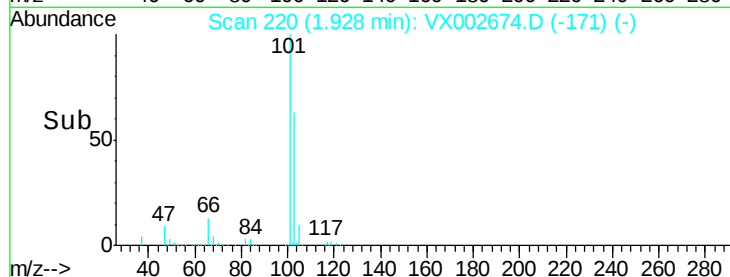
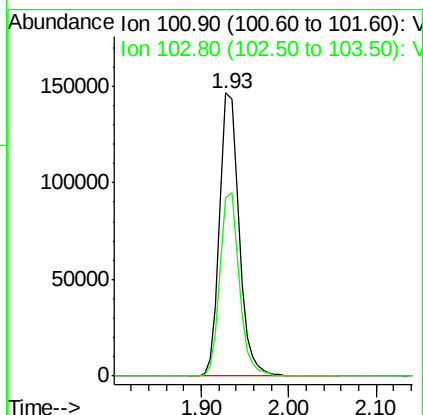
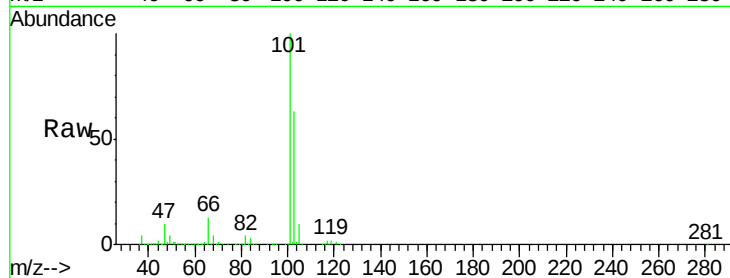
Trichlorofluoromethane
Concen: 49.353 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Instrument :
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MWHR2-6-061318MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.8	79.2

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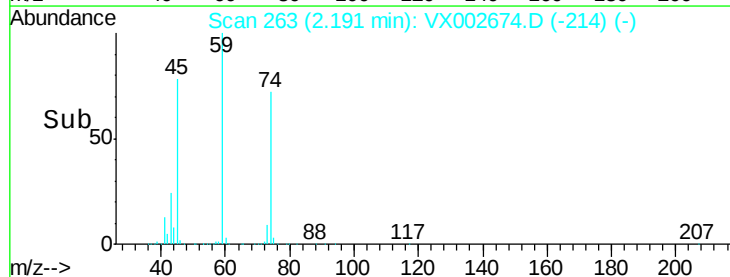
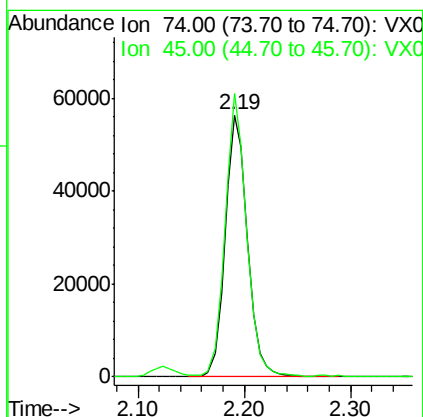
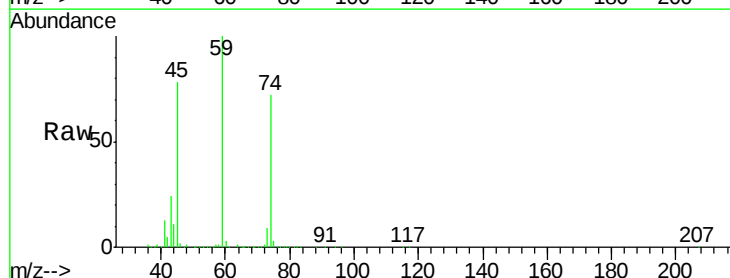
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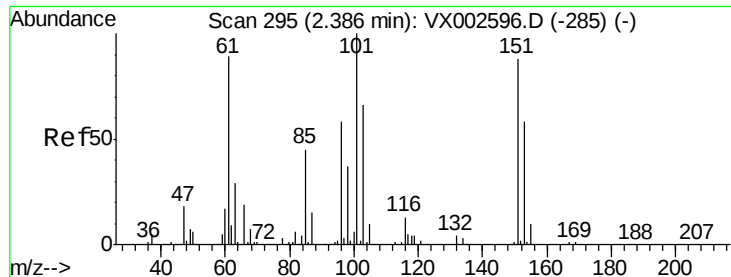


#8

Diethyl Ether
Concen: 47.490 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.0	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.415 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX002674.D

Acq: 17 Jun 2018 03:22

Instrument :

MSVOA_X

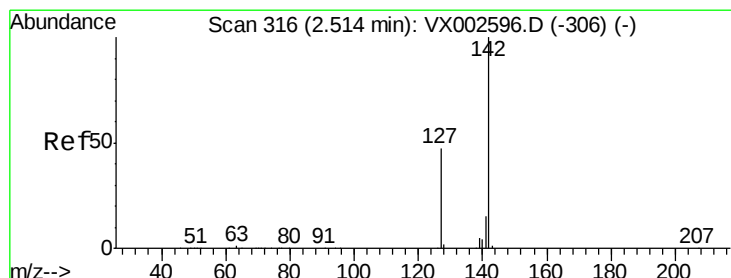
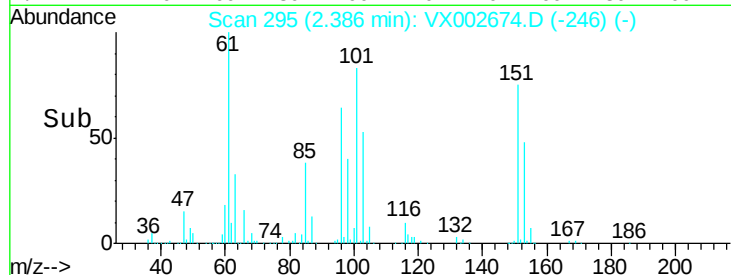
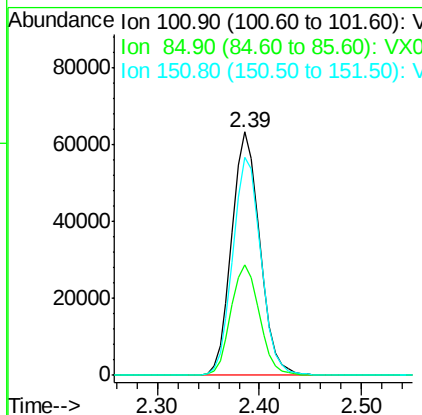
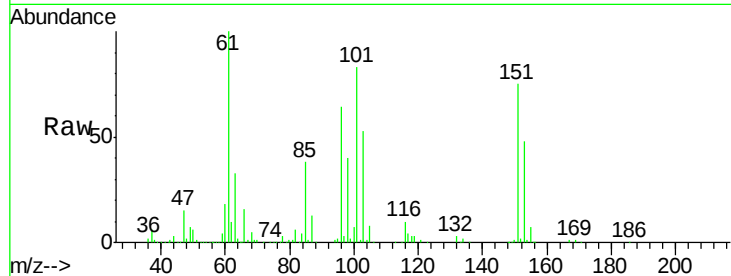
ClientSampleId :

MWHR2-6-061318MSD

Tot Ion:	101	Resp:	121137
Ion Ratio	Lower	Upper	
101	100		
85	45.8	36.0	54.0
151	89.6	70.9	106.3

Manual Integrations
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6/19/2018 1:04:55 PM



#10

Methyl Iodide

Concen: 43.145 ug/l

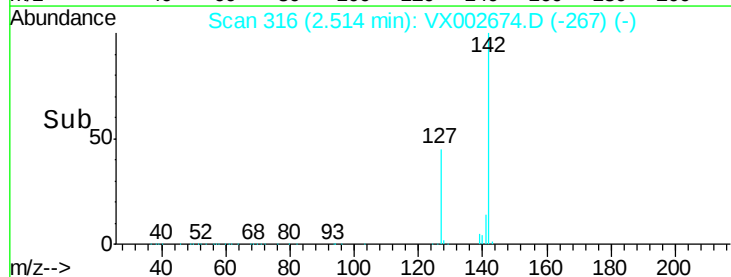
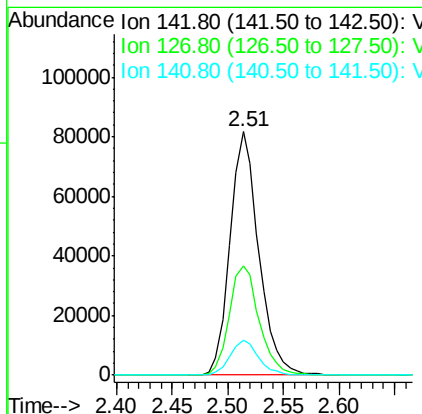
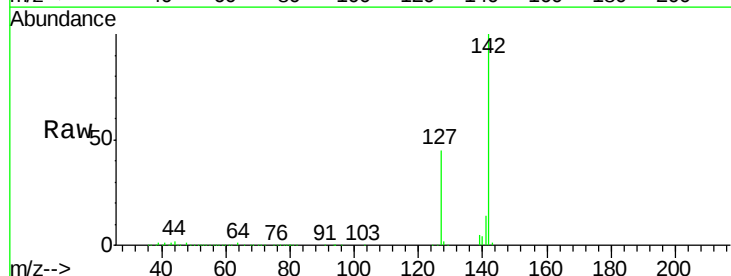
RT: 2.51 min Scan# 316

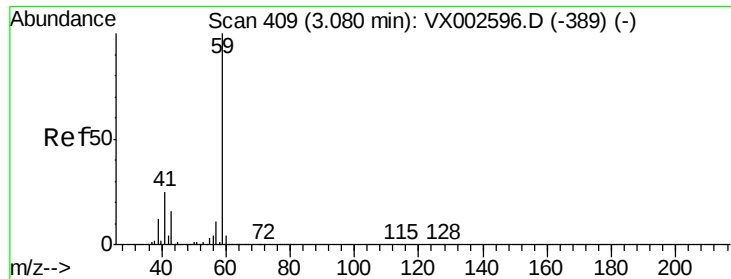
Delta R.T. 0.00 min

Lab File: VX002674.D

Acq: 17 Jun 2018 03:22

Tgt Ion:	142	Resp:	146023
Ion Ratio	Lower	Upper	
142	100		
127	46.8	36.6	55.0
141	14.4	11.3	16.9





#11

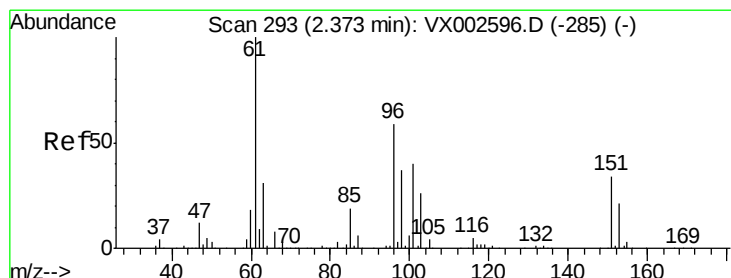
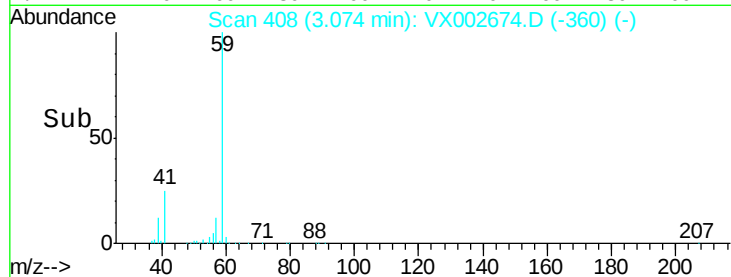
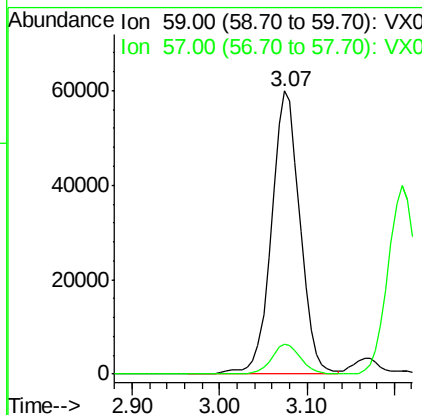
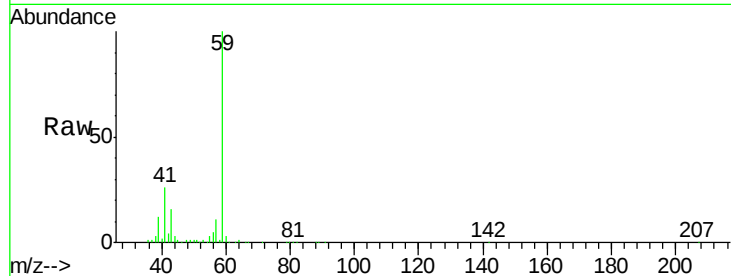
Tert butyl alcohol
Concen: 202.157 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MSD

Tot Ion: 59 Resp: 136335
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.2

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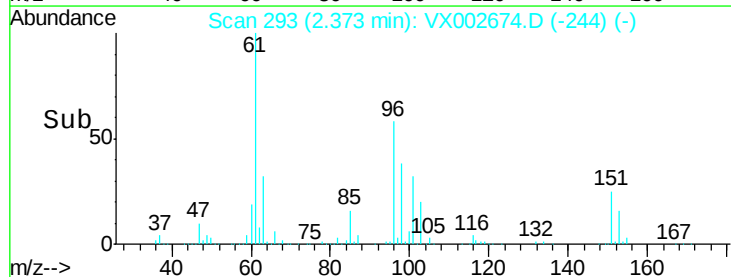
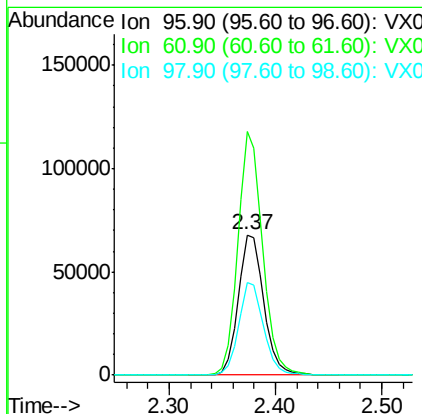
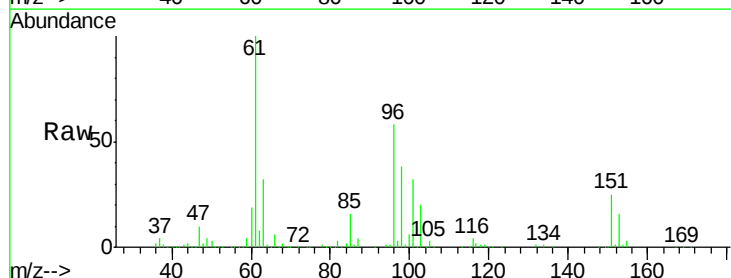
MMDadoda
6/19/2018 1:04:55 PM

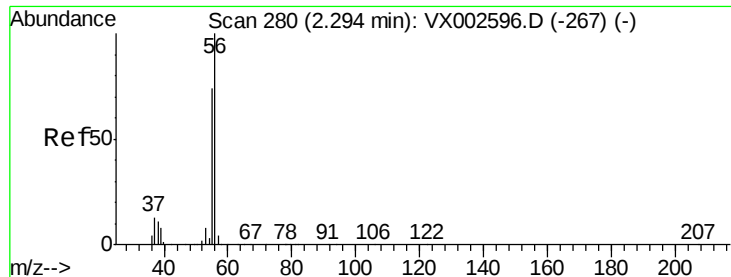


#12

1,1-Dichloroethene
Concen: 47.623 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Tgt Ion: 96 Resp: 114234
Ion Ratio Lower Upper
96 100
61 173.7 137.9 206.9
98 65.6 51.6 77.4





#13

Acrolein

Concen: 190.809 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX002674.D

Acq: 17 Jun 2018 03:22

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MSD

Tot Ion: 56 Resp: 59798

Ion Ratio Lower Upper

56 100

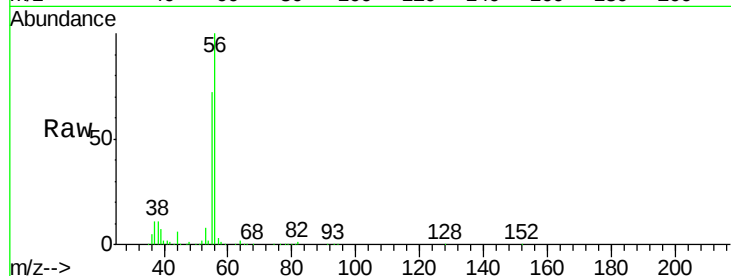
55 73.7 57.0 85.4

Manual Integrations

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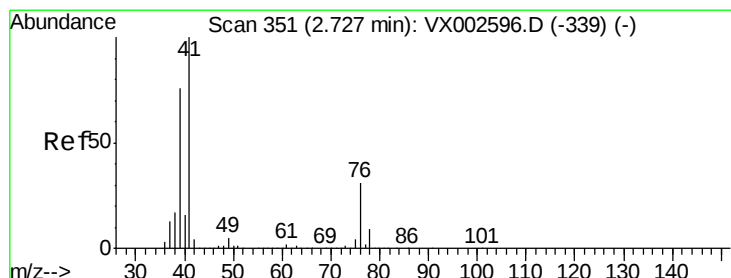
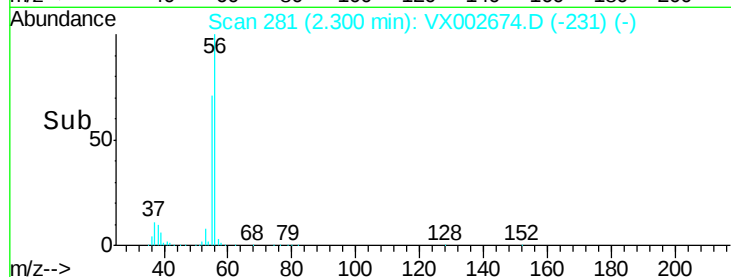
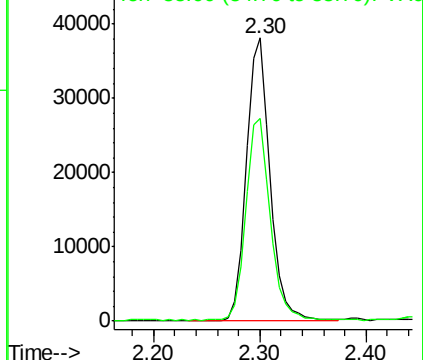
MMDadoda

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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: 45.973 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002674.D

Acq: 17 Jun 2018 03:22

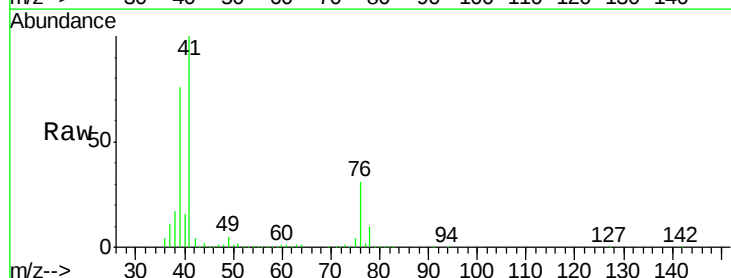
Tgt Ion: 41 Resp: 218957

Ion Ratio Lower Upper

41 100

39 73.1 56.8 85.2

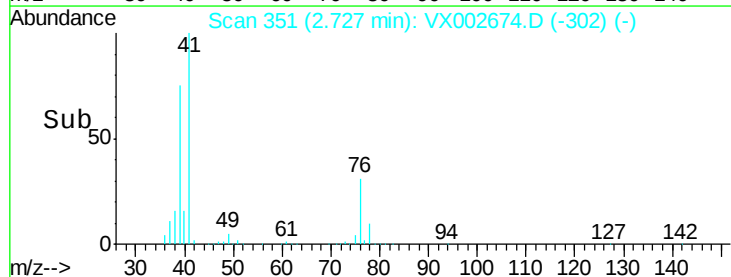
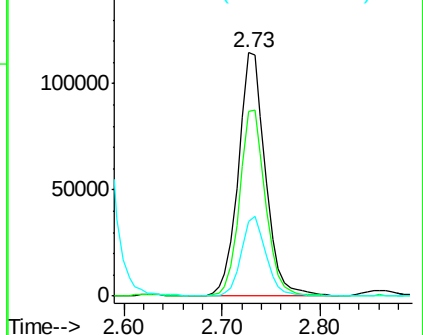
76 29.9 23.8 35.8

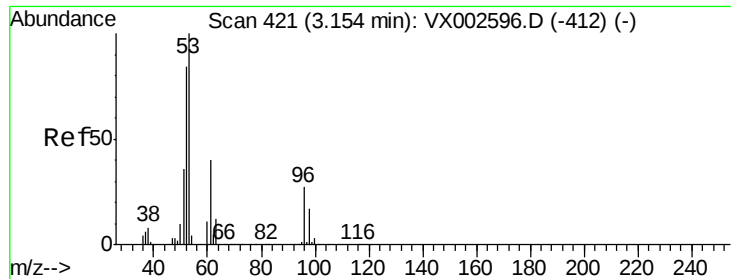


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 232.798 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002674.D

Acq: 17 Jun 2018 03:22

Instrument :

MSVOA_X

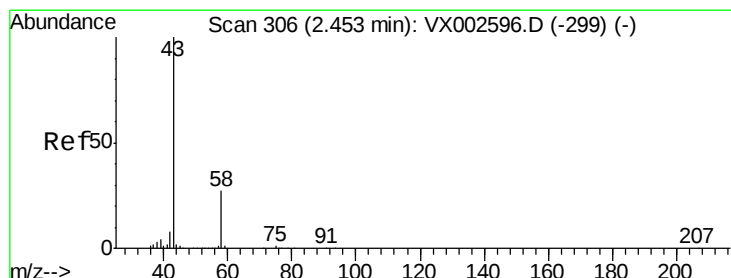
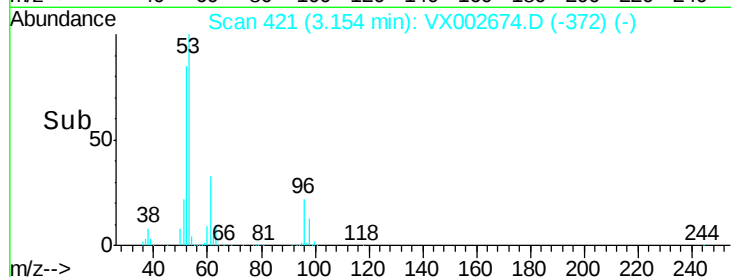
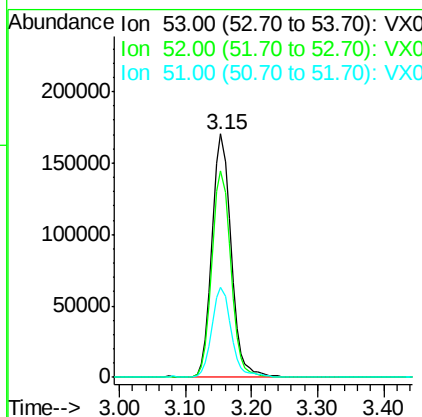
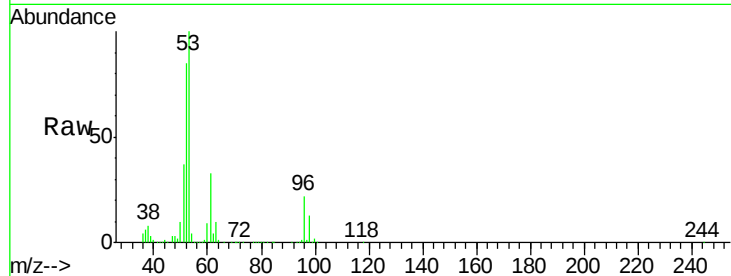
ClientSampleId :

MWHR2-6-061318MSD

Tot Ion:	53	Resp:	342596
Ion Ratio	Lower	Upper	
53	100		
52	84.1	66.7	100.1
51	37.2	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 221.405 ug/l

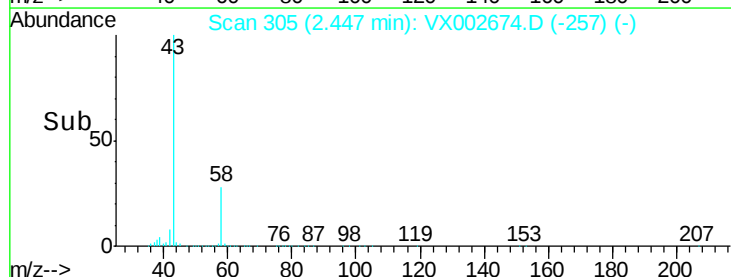
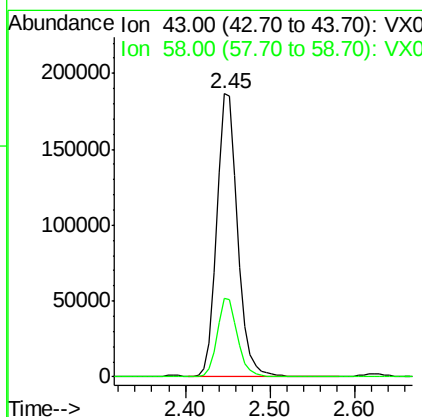
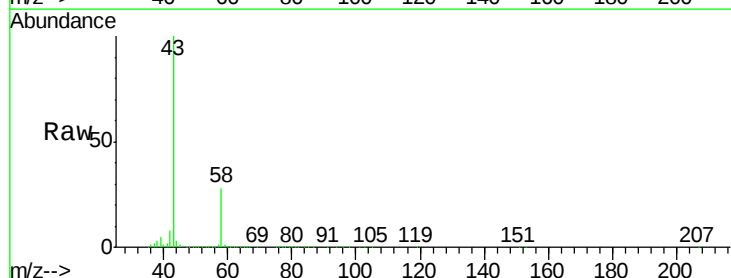
RT: 2.45 min Scan# 305

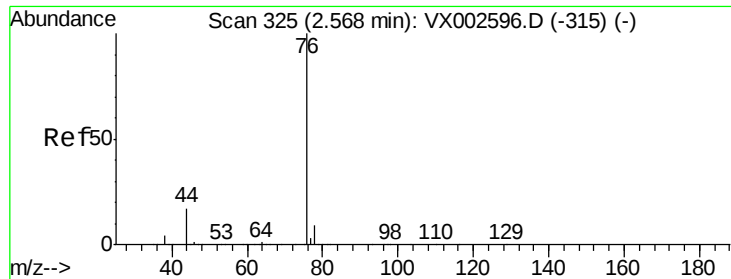
Delta R.T. -0.01 min

Lab File: VX002674.D

Acq: 17 Jun 2018 03:22

Tgt Ion:	43	Resp:	318665
Ion Ratio	Lower	Upper	
43	100		
58	27.7	22.1	33.1





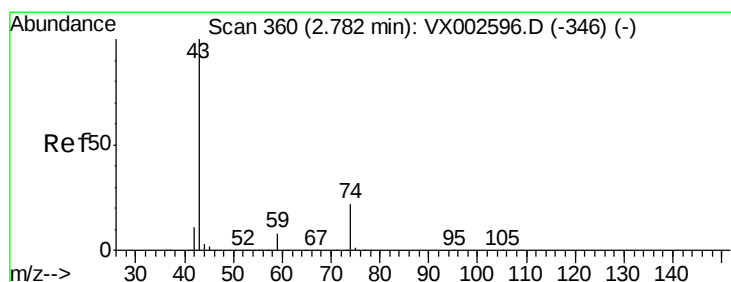
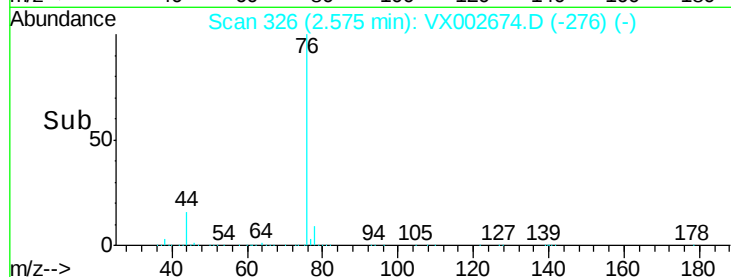
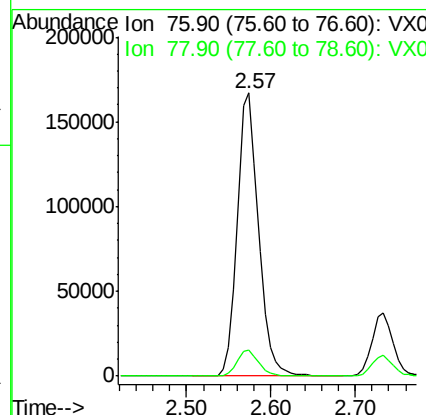
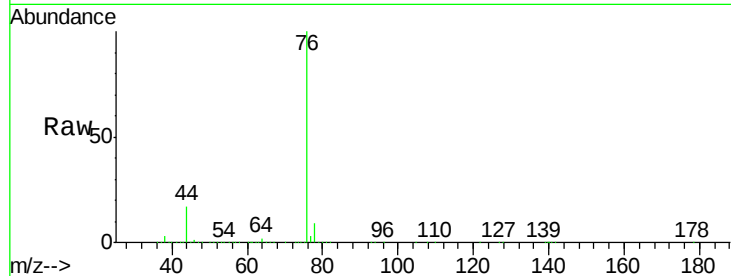
#17
Carbon Disulfide
Concen: 50.137 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MSD

Tot Ion	Ratio	Resp	Lower	Upper
76	100	285241		
78	9.1		6.9	10.3

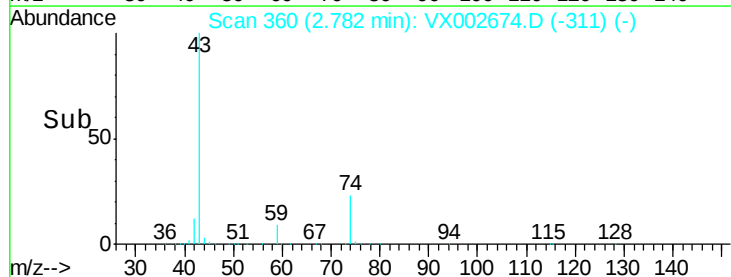
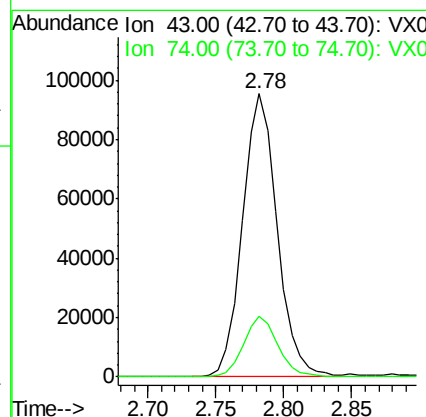
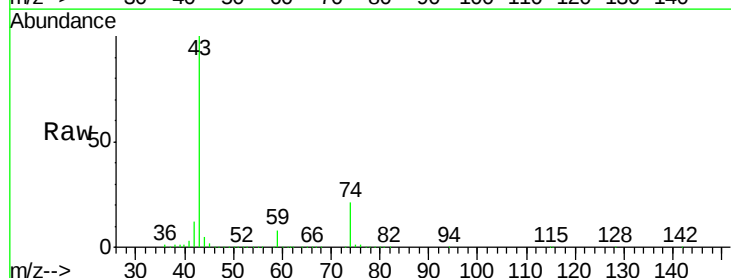
Manual Integrations
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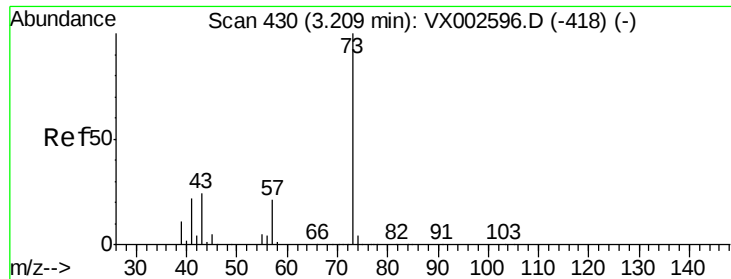
MMDadoda
6/19/2018 1:04:55 PM



#18
Methyl Acetate
Concen: 43.966 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	168586		
74	21.7		16.7	25.1





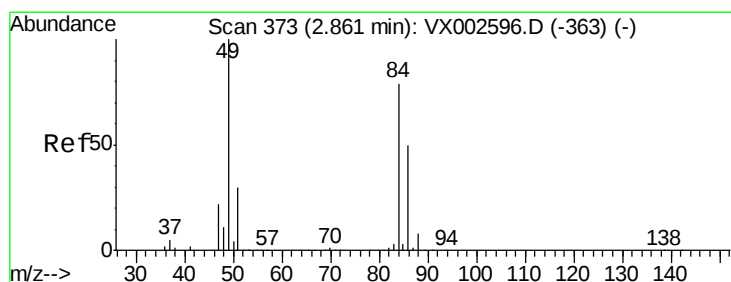
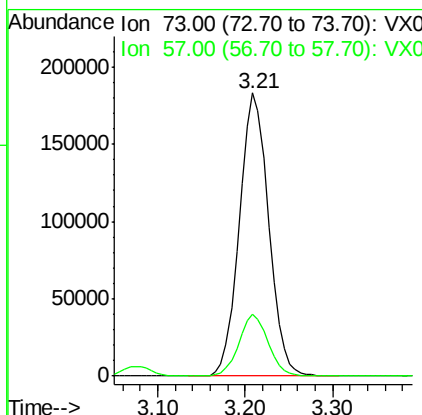
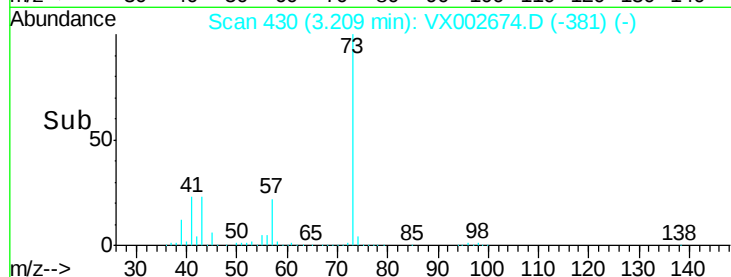
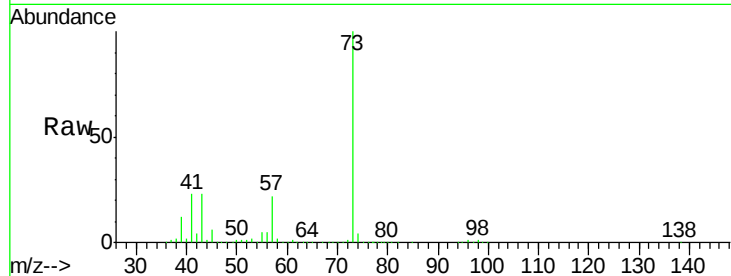
#19
Methyl tert-butyl Ether
Concen: 47.300 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MSD

Tot Ion: 73 Resp: 425631
Ion Ratio Lower Upper
73 100
57 21.7 17.7 26.5

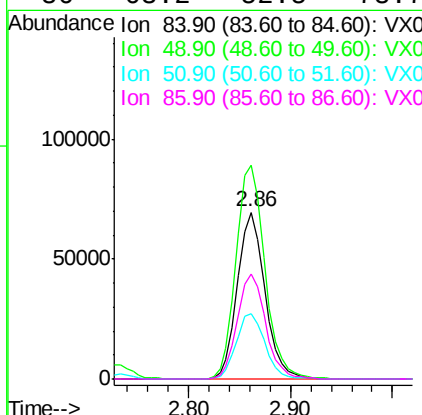
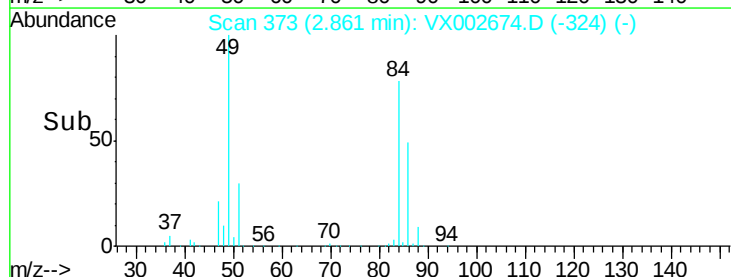
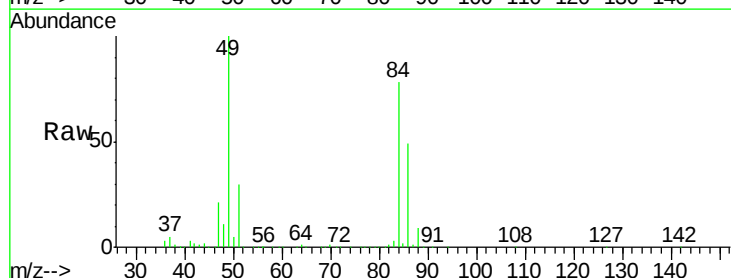
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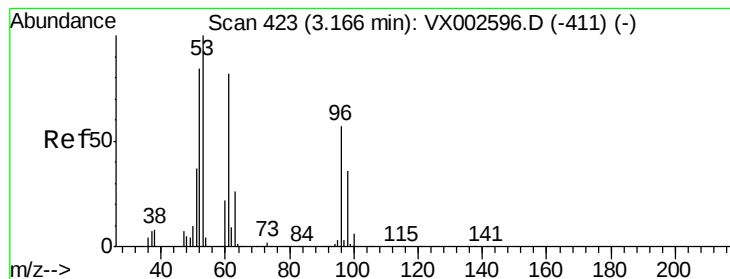
MMDadoda
6/19/2018 1:04:55 PM



#20
Methylene Chloride
Concen: 44.236 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Tgt Ion: 84 Resp: 130543
Ion Ratio Lower Upper
84 100
49 128.3 107.8 161.6
51 39.0 32.8 49.2
86 63.2 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 47.497 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002674.D

Acq: 17 Jun 2018 03:22

Instrument :

MSVOA_X

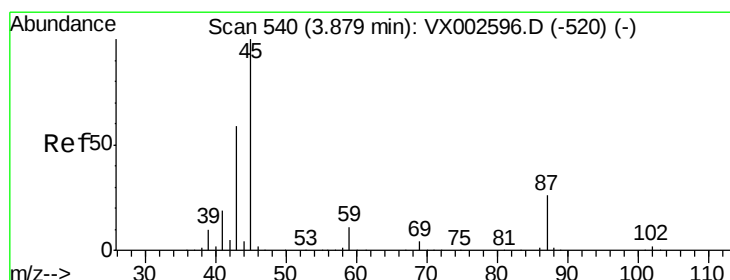
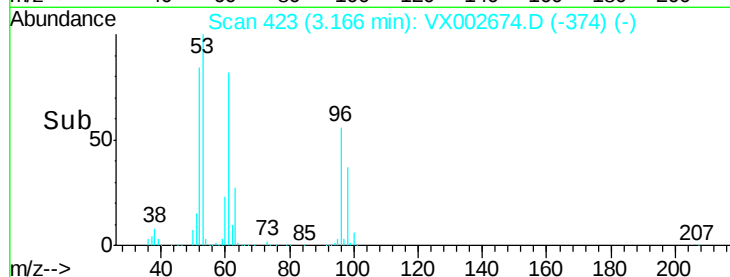
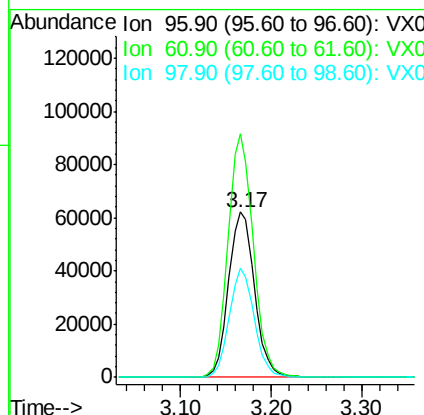
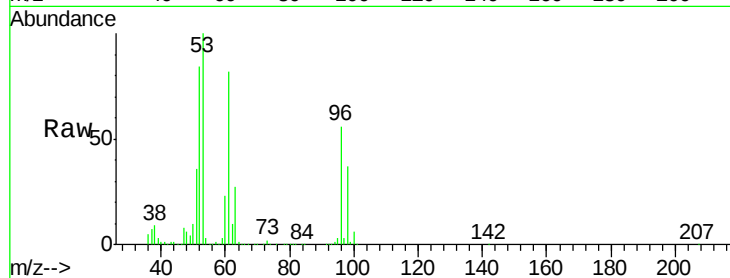
ClientSampleId :

MWHR2-6-061318MSD

Tot Ion:	96	Resp:	123602
Ion Ratio	Lower	Upper	
96	100		
61	147.2	117.0	175.4
98	66.3	52.4	78.6

Manual Integrations
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6/19/2018 1:04:55 PM



#22

Diisopropyl ether

Concen: 47.762 ug/l

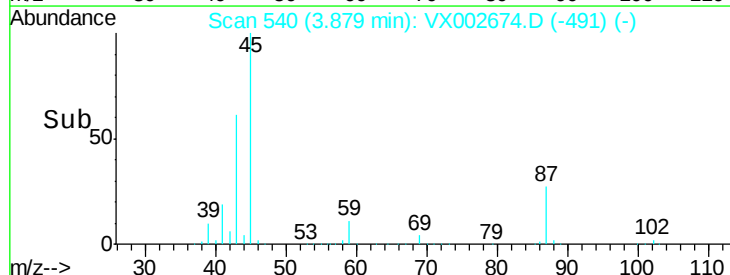
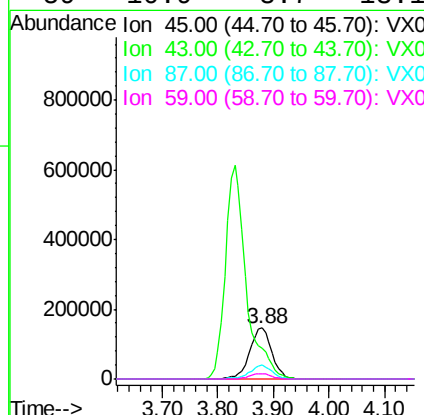
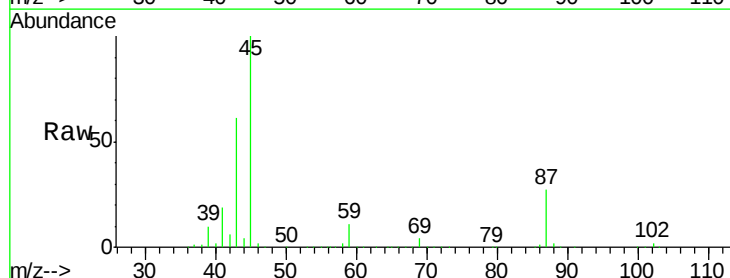
RT: 3.88 min Scan# 540

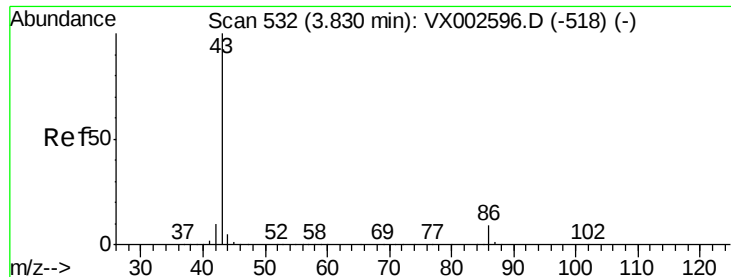
Delta R.T. 0.00 min

Lab File: VX002674.D

Acq: 17 Jun 2018 03:22

Tgt Ion:	45	Resp:	411557
Ion Ratio	Lower	Upper	
45	100		
43	61.1	46.8	70.2
87	27.1	20.2	30.4
59	10.9	8.7	13.1





#23

Vinyl Acetate

Concen: 221.330 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX002674.D

Acq: 17 Jun 2018 03:22

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MSD

Tot Ion: 43 Resp: 1596241

Ion Ratio Lower Upper

43 100

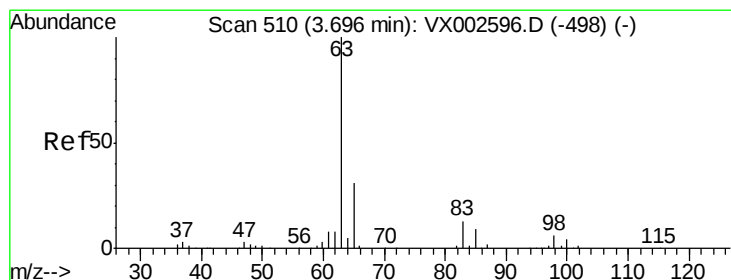
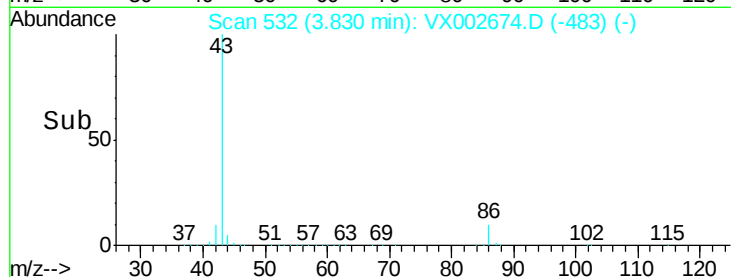
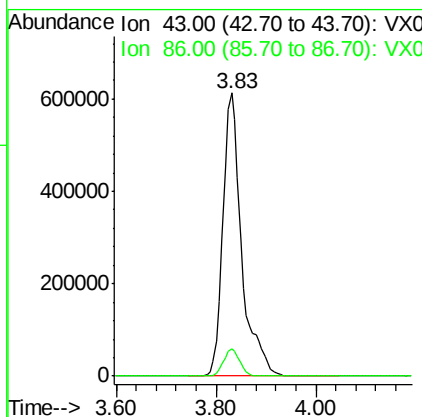
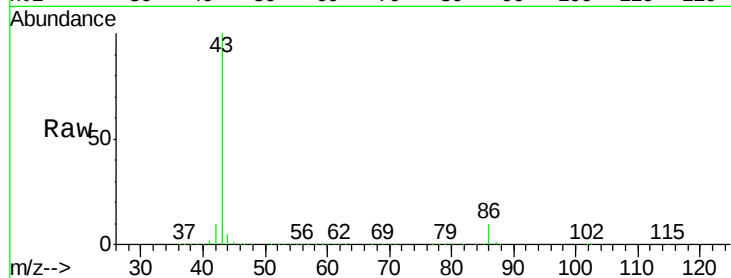
86 9.5 7.4 11.0

Manual Integrations

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6/19/2018 1:04:55 PM



#24

1,1-Dichloroethane

Concen: 50.019 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002674.D

Acq: 17 Jun 2018 03:22

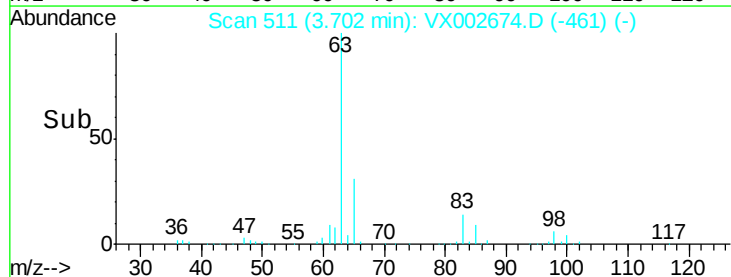
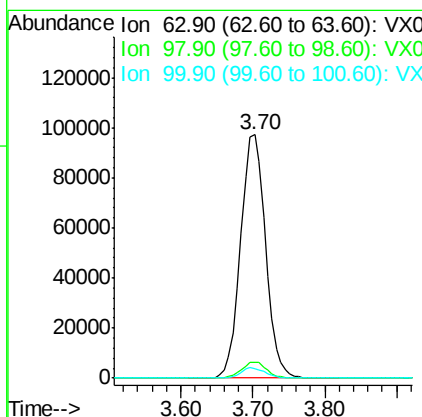
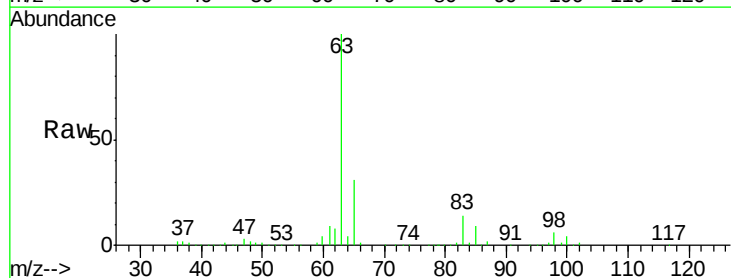
Tgt Ion: 63 Resp: 233933

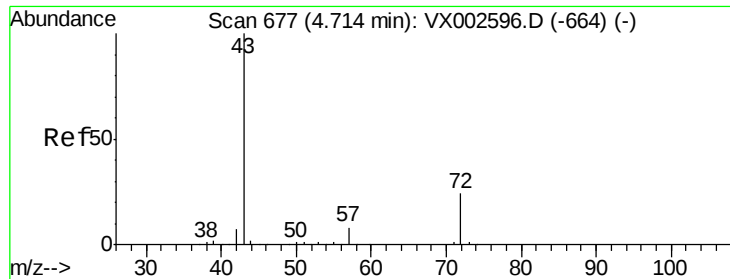
Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.2

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 235.837 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002674.D

Acq: 17 Jun 2018 03:22

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MSD

Tot Ion: 43 Resp: 445770

Ion Ratio Lower Upper

43 100

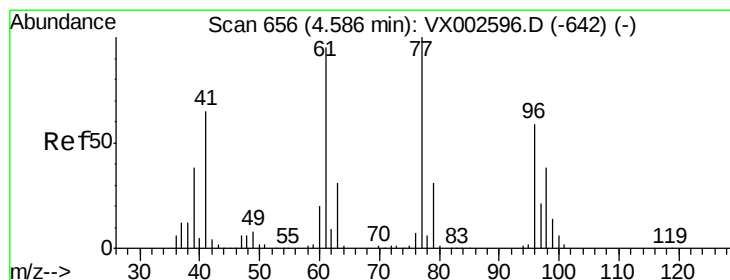
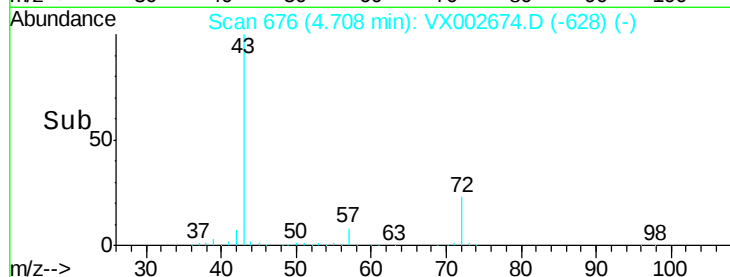
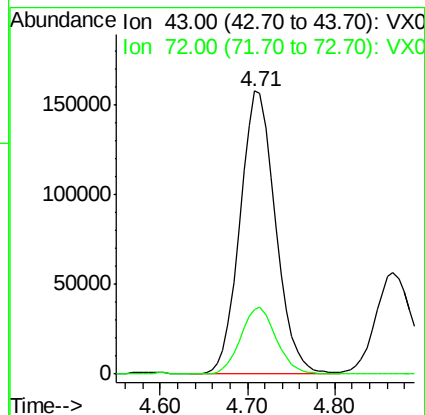
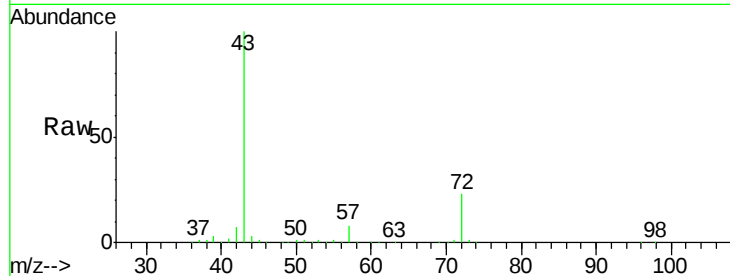
72 23.0 18.5 27.7

Manual Integrations

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MMDadoda

6/19/2018 1:04:55 PM



#26

2,2-Dichloropropane

Concen: 36.258 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX002674.D

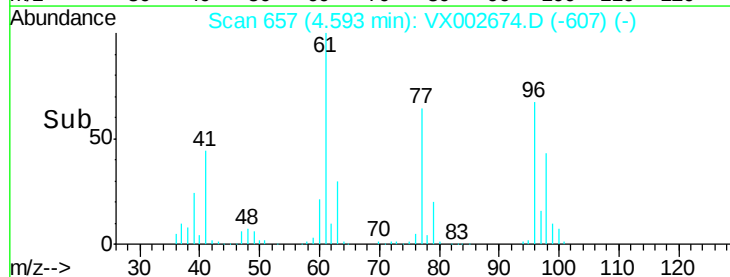
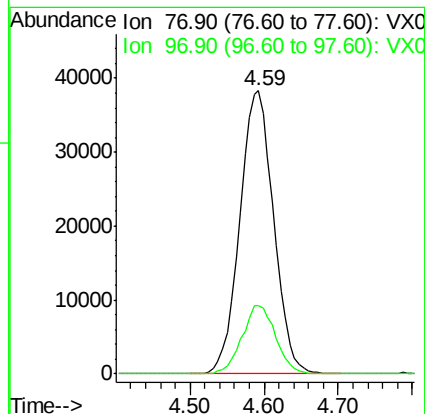
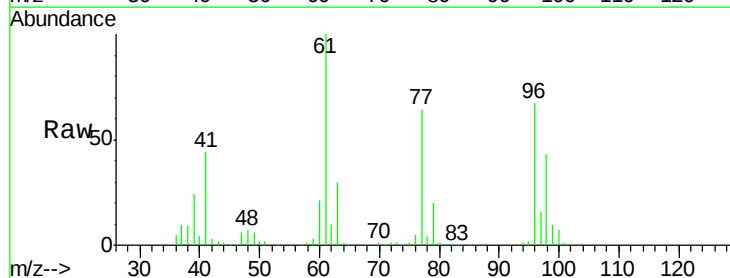
Acq: 17 Jun 2018 03:22

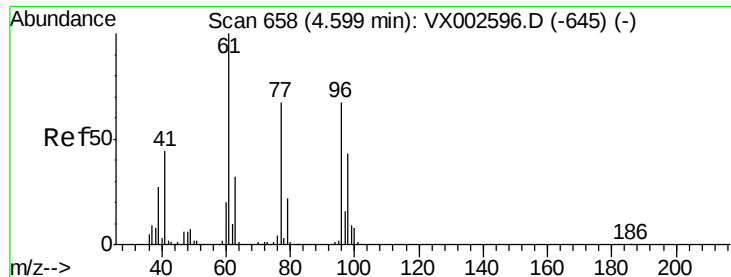
Tgt Ion: 77 Resp: 121845

Ion Ratio Lower Upper

77 100

97 24.0 11.2 33.5





#27

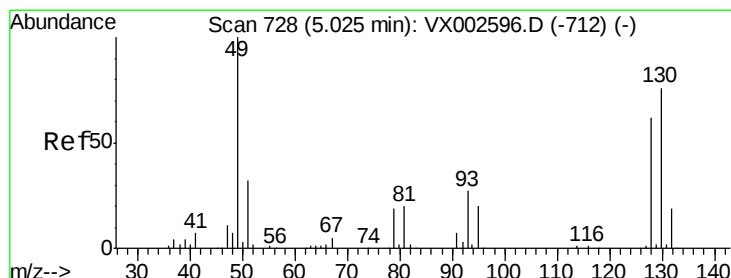
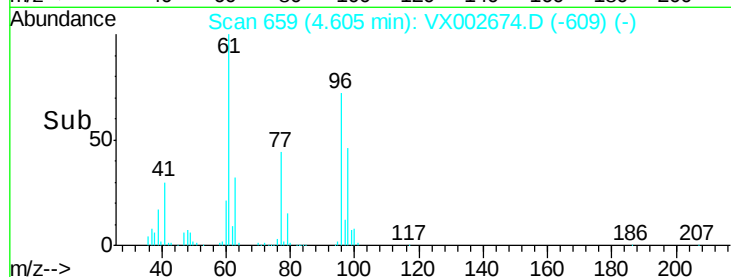
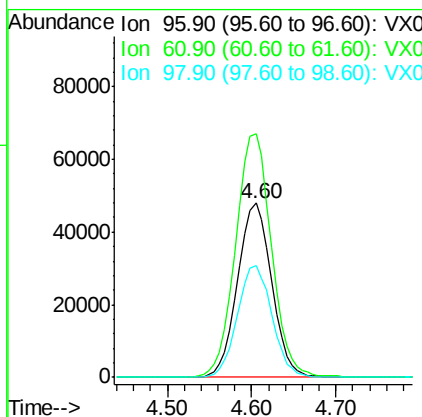
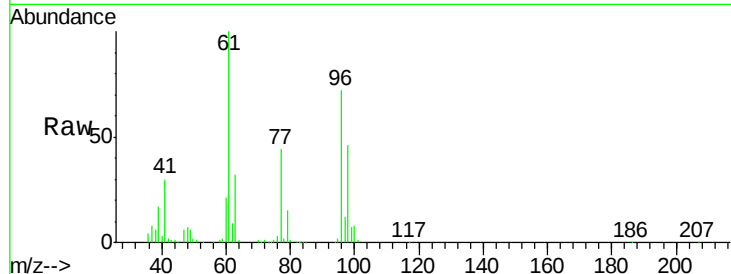
cis-1,2-Dichloroethene
Concen: 49.636 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	147.7	0.0	330.2	
98	64.8	0.0	130.2	

Manual Integrations
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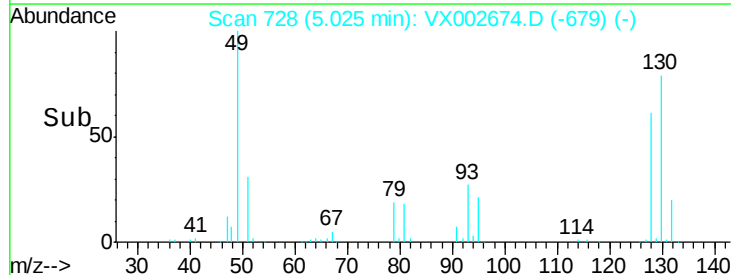
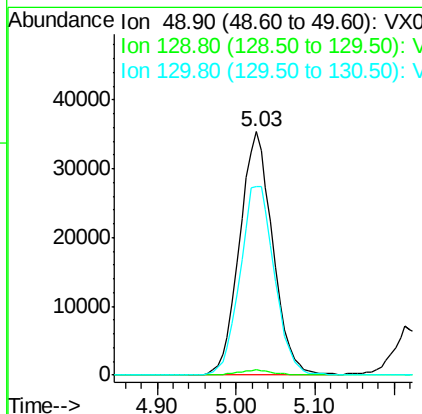
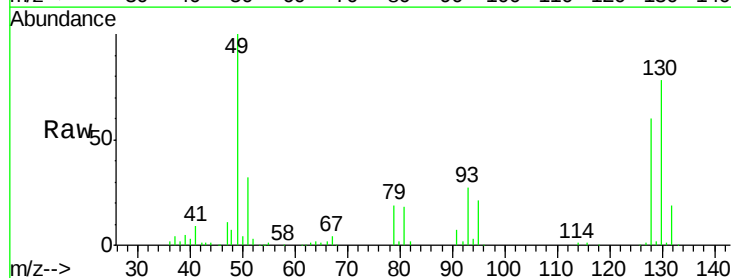
MMDadoda
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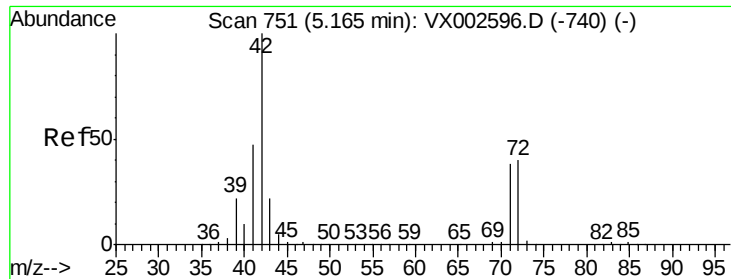


#28

Bromochloromethane
Concen: 47.236 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.2	
130	80.2	61.2	91.8	





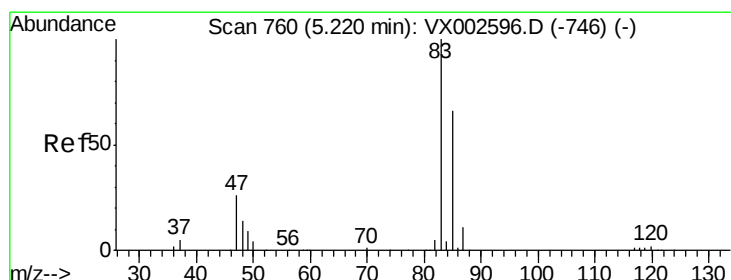
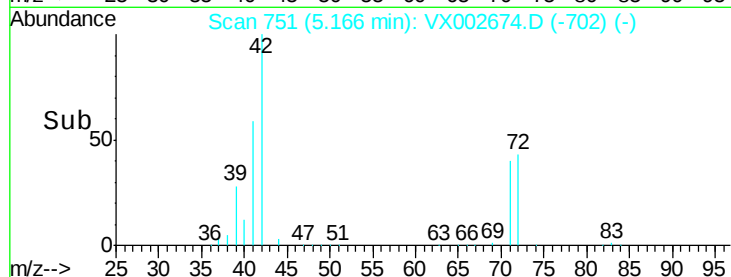
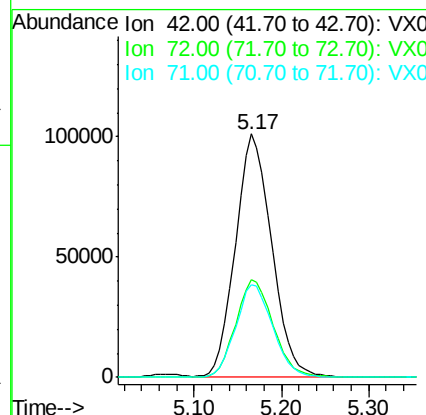
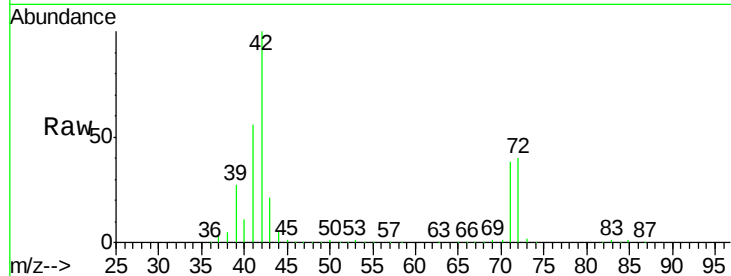
#29
Tetrahydrofuran
Concen: 234.121 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	32.0	48.0
71	39.2	30.1	45.1

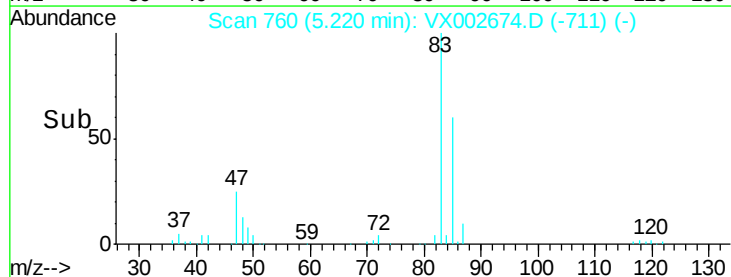
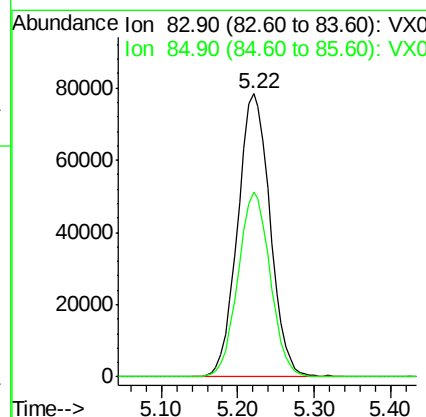
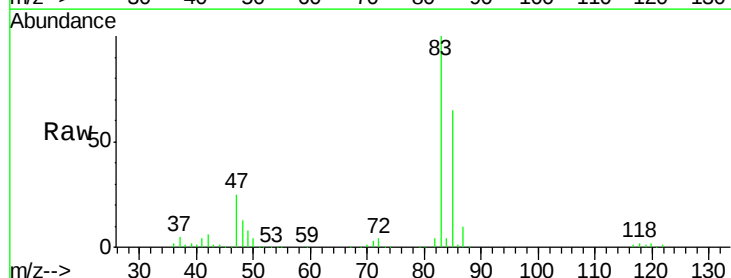
Manual Integrations
APPROVED

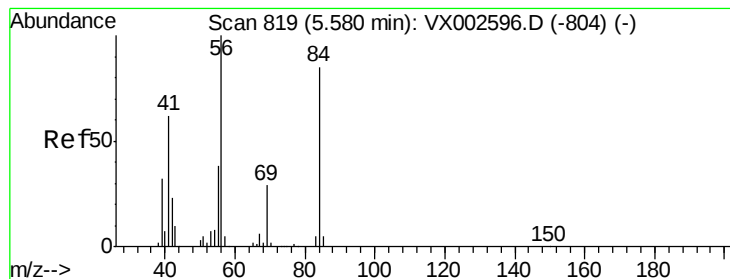
MMDadoda
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#30
Chloroform
Concen: 51.146 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.4	75.6





#31

Cyclohexane

Concen: 46.887 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002674.D

Acq: 17 Jun 2018 03:22

Instrument :

MSVOA_X

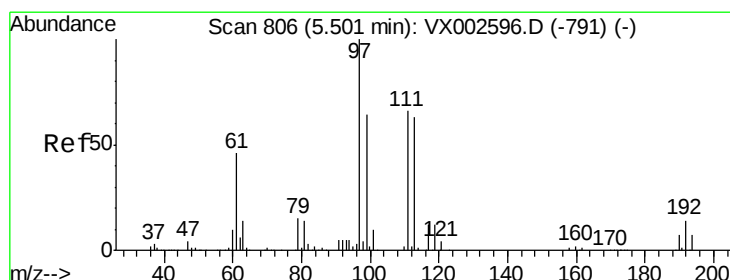
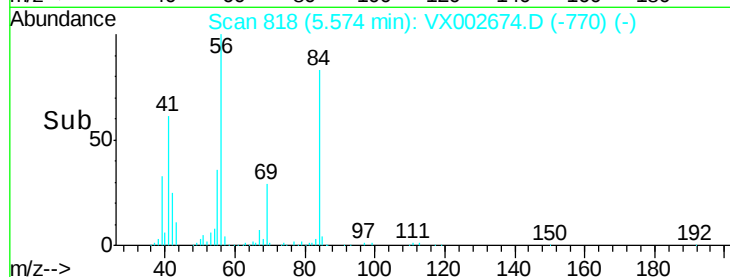
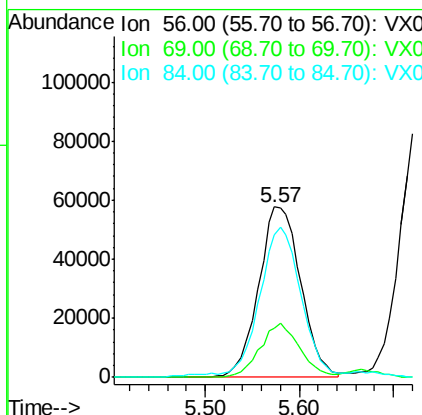
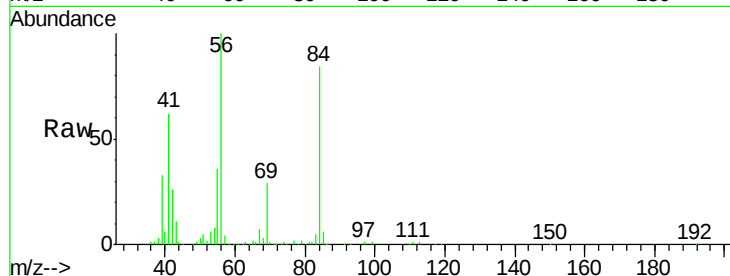
ClientSampleId :

MWHR2-6-061318MSD

Tot Ion:	56	Resp:	180543
Ion	Ratio	Lower	Upper
56	100		
69	28.5	23.7	35.5
84	82.1	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.952 ug/l

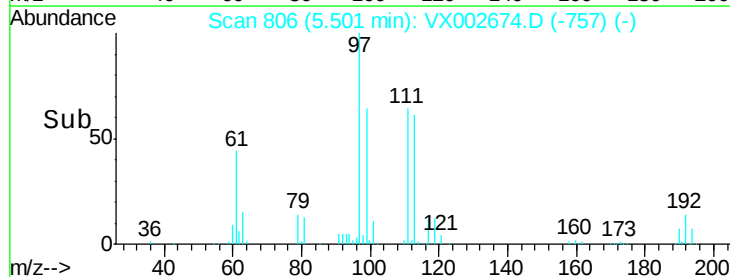
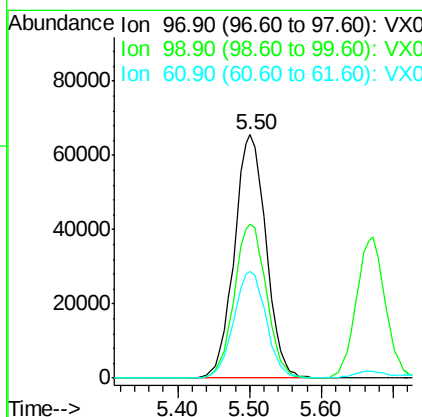
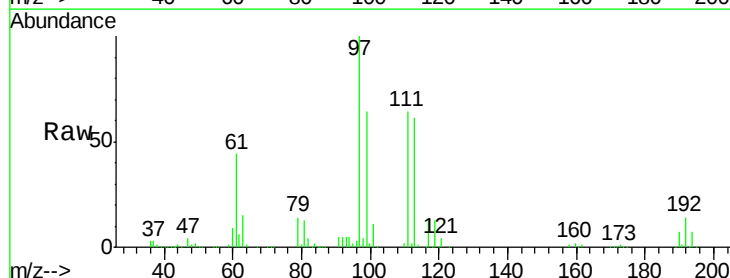
RT: 5.50 min Scan# 806

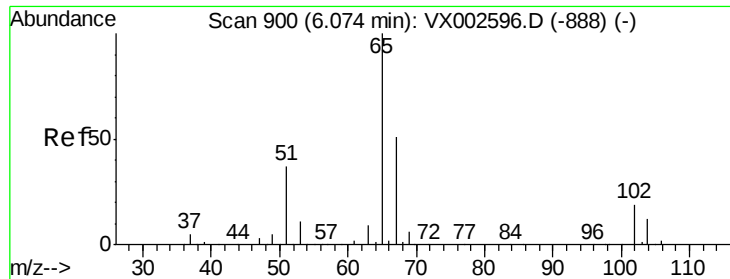
Delta R.T. 0.00 min

Lab File: VX002674.D

Acq: 17 Jun 2018 03:22

Tgt Ion:	97	Resp:	199732
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	44.8	36.4	54.6





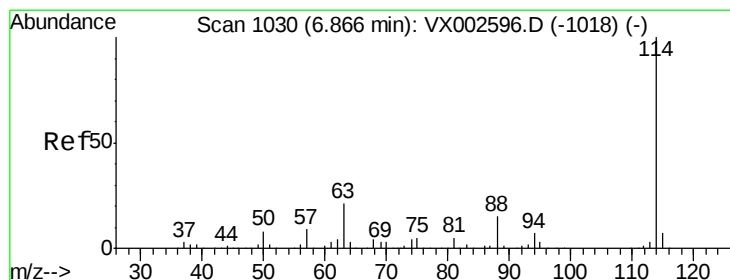
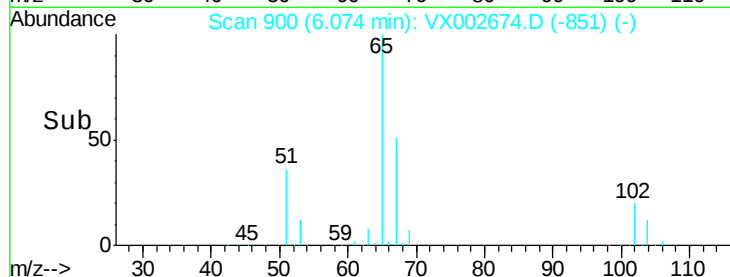
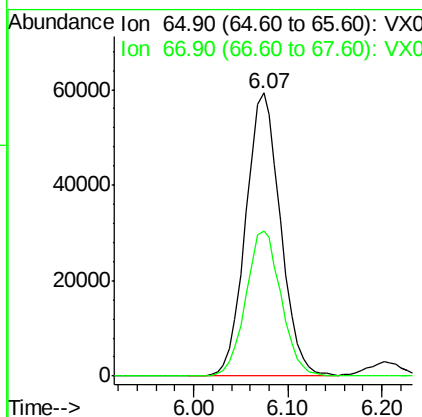
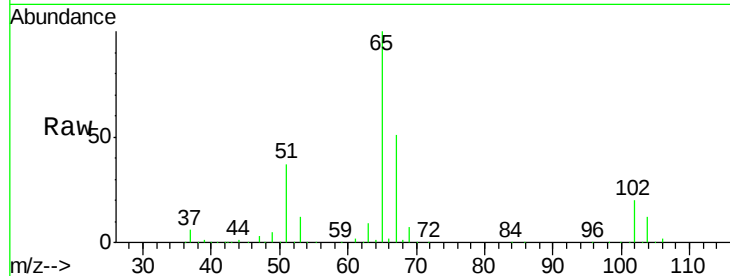
#33
 1,2-Dichloroethane-d4
 Concen: 47.120 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002674.D
 Acq: 17 Jun 2018 03:22

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-061318MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	102.6

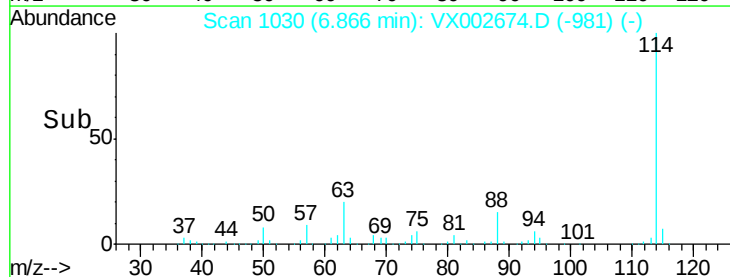
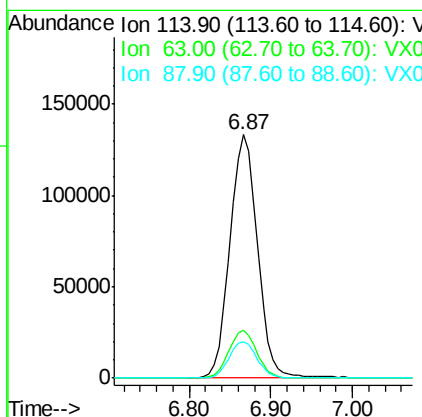
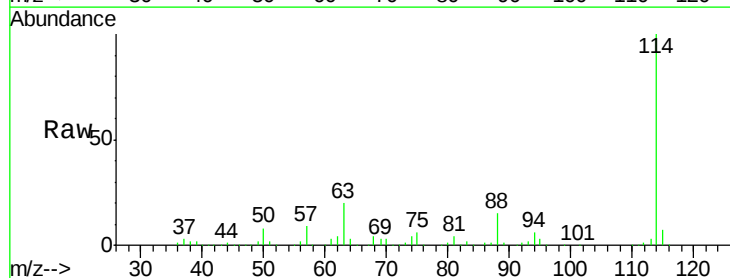
Manual Integrations
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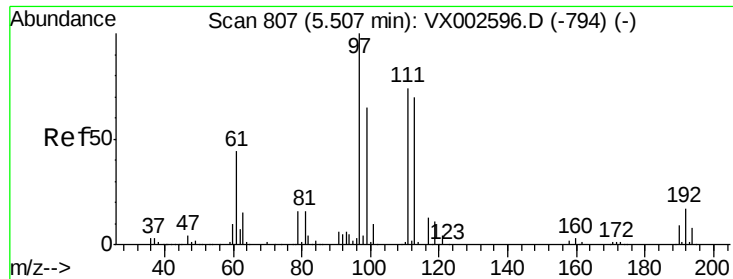
MMDadoda
 6/19/2018 1:04:55 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002674.D
 Acq: 17 Jun 2018 03:22

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	41.4
88	14.8	0.0	30.0





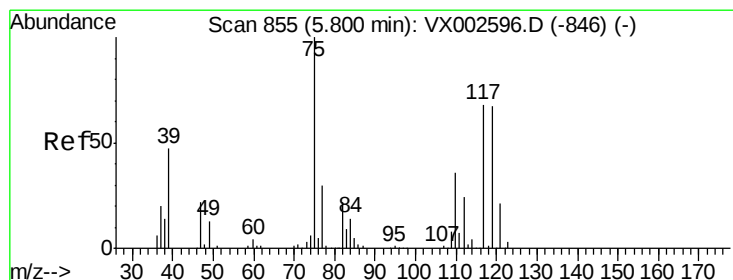
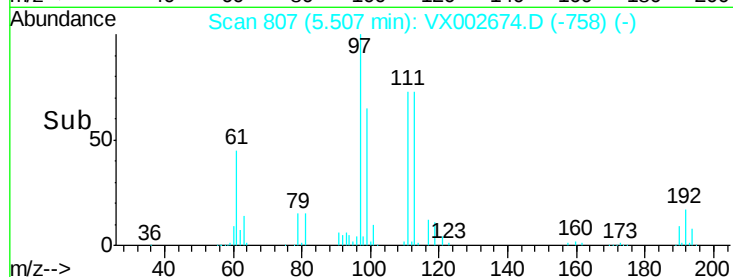
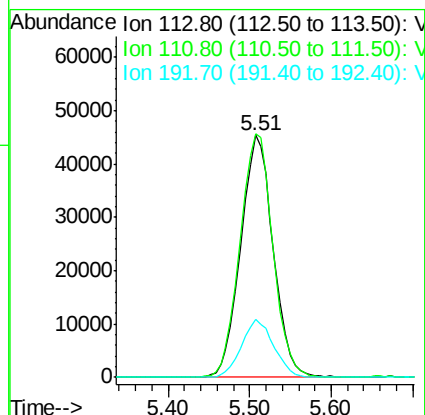
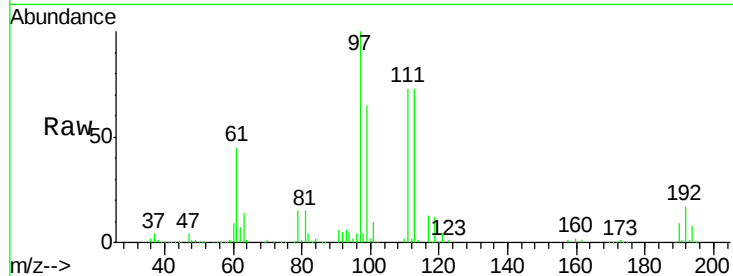
#35
 Dibromofluoromethane
 Concen: 50.320 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX002674.D
 Acq: 17 Jun 2018 03:22

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-061318MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	124870		
111	102.1	81.4	122.0	
192	23.8	19.1	28.7	

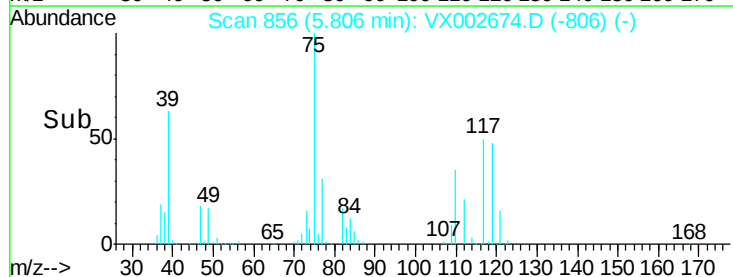
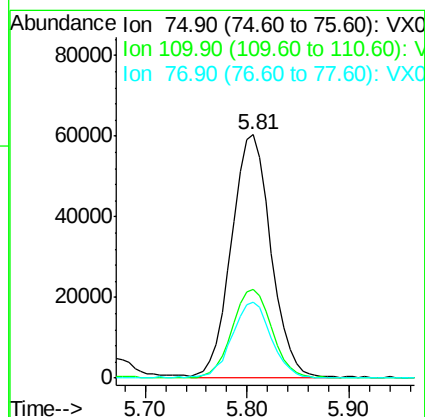
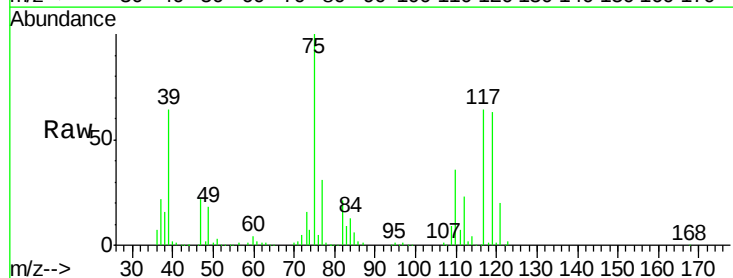
Manual Integrations
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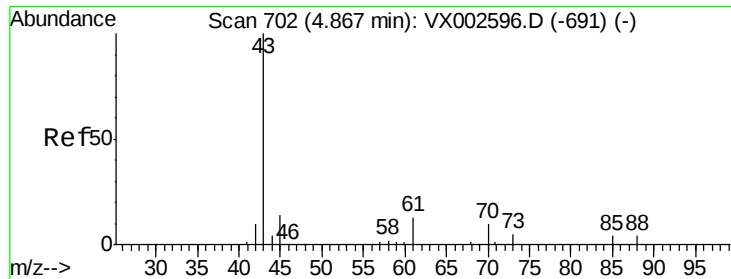
MMDadoda
 6/19/2018 1:04:55 PM



#36
 1,1-Dichloropropene
 Concen: 48.754 ug/l
 RT: 5.81 min Scan# 855
 Delta R.T. 0.01 min
 Lab File: VX002674.D
 Acq: 17 Jun 2018 03:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	161000		
110	37.4	18.1	54.4	
77	30.7	24.3	36.5	





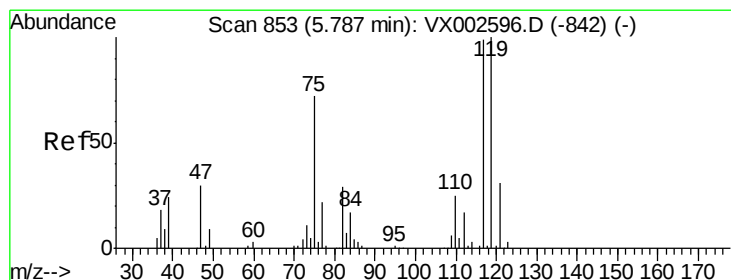
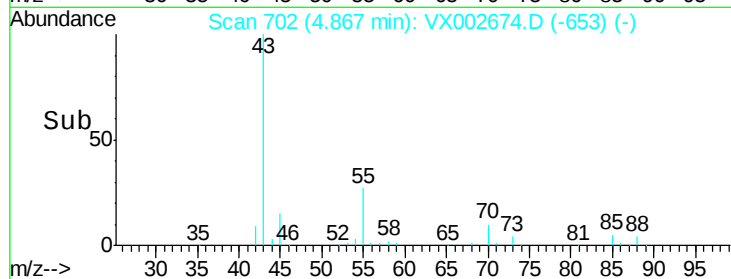
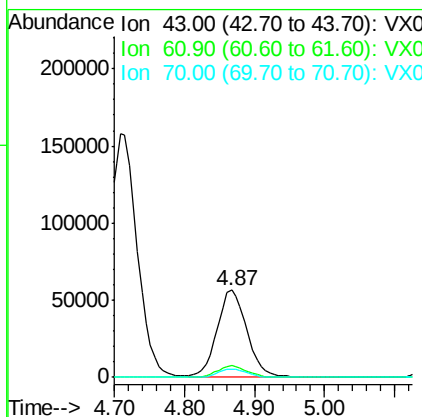
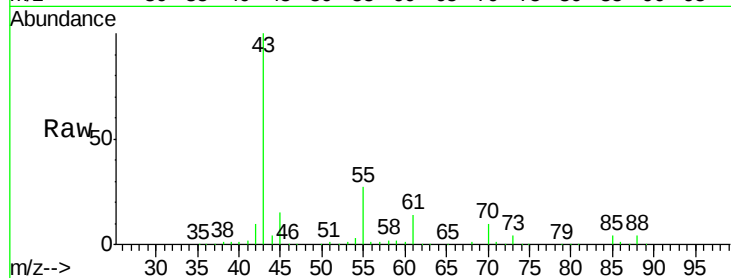
#37
Ethyl Acetate
Concen: 44.640 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Instrument :
MSVOA_X
ClientSampleId :
MWHHR2-6-061318MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.4	15.6
70	9.2	7.6	11.4

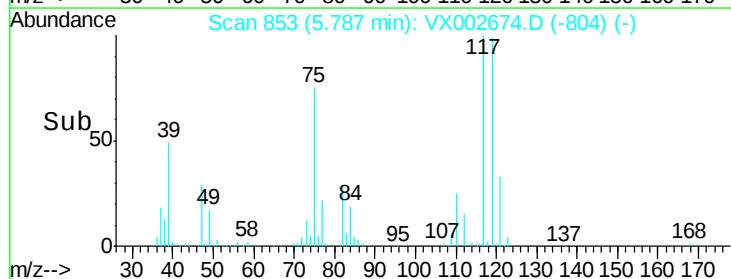
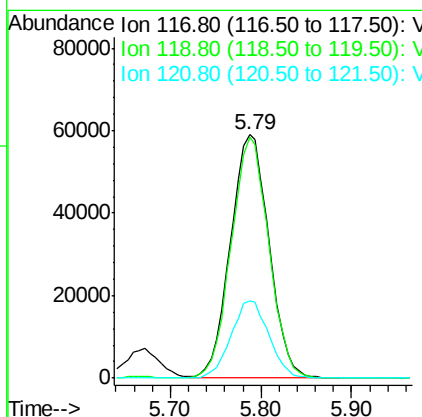
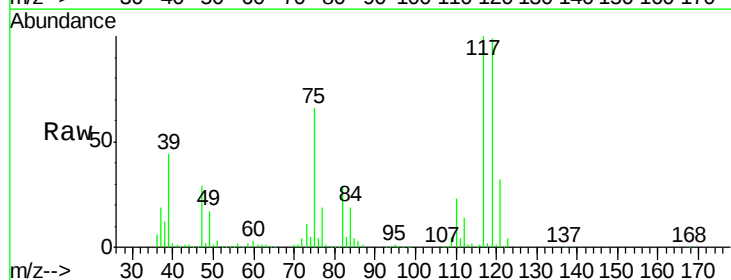
Manual Integrations
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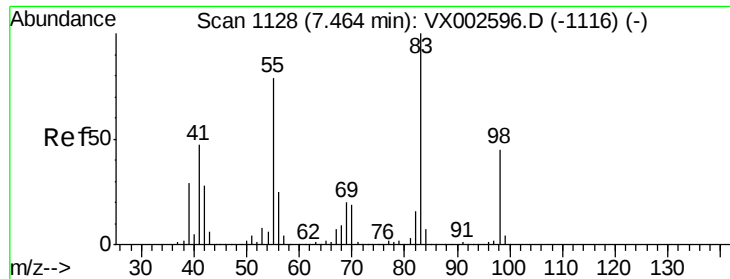
MMDadoda
6/19/2018 1:04:55 PM



#38
Carbon Tetrachloride
Concen: 52.748 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.0	77.4	116.0
121	31.9	24.4	36.6





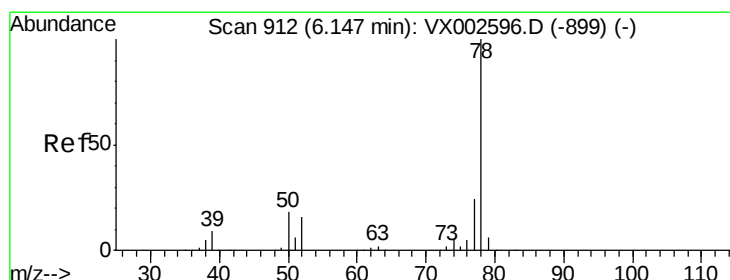
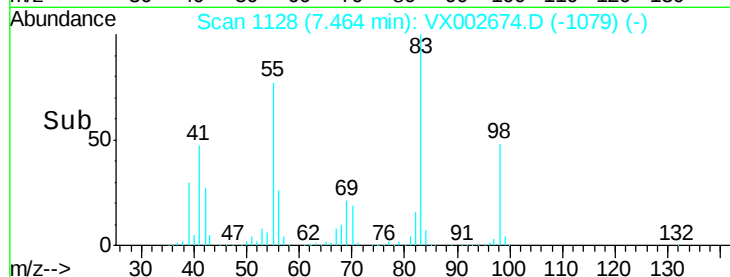
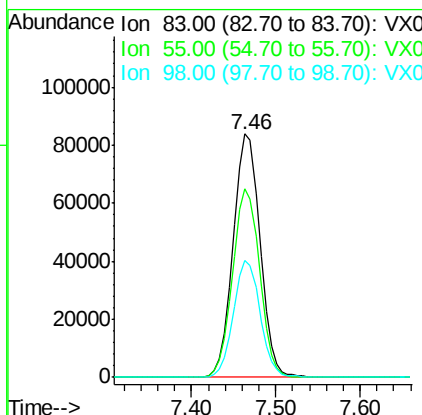
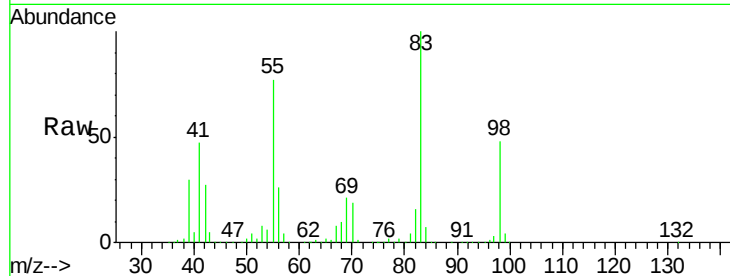
#39
Methvlcvclohexane
Concen: 47.016 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.2	65.4	98.0
98	47.8	37.4	56.0

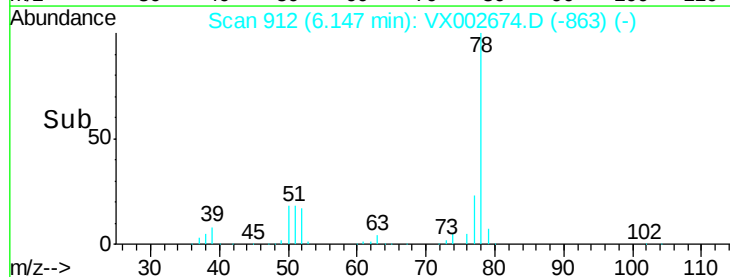
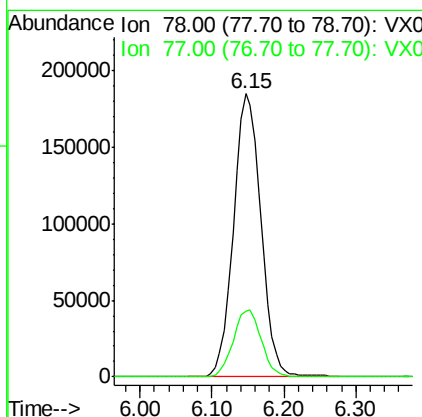
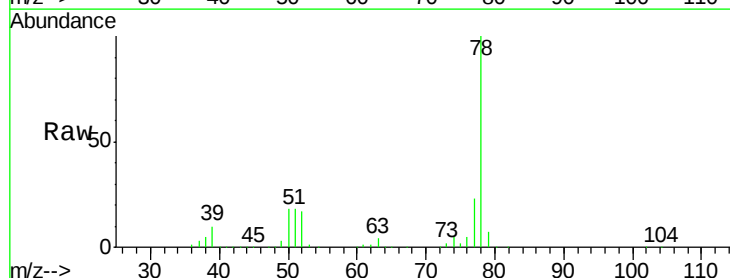
Manual Integrations
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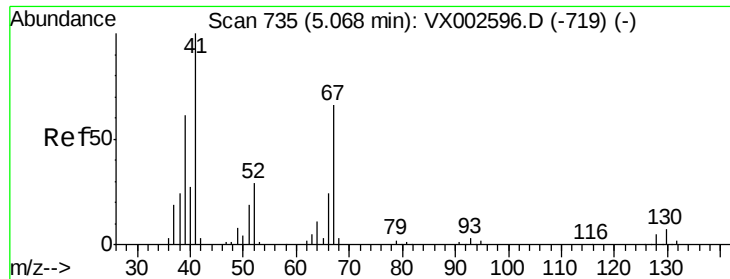
MMDadoda
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#40
Benzene
Concen: 49.378 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7





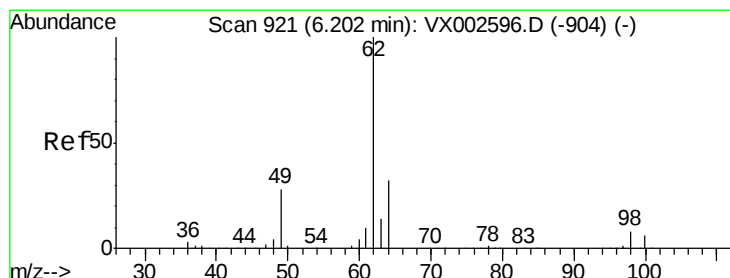
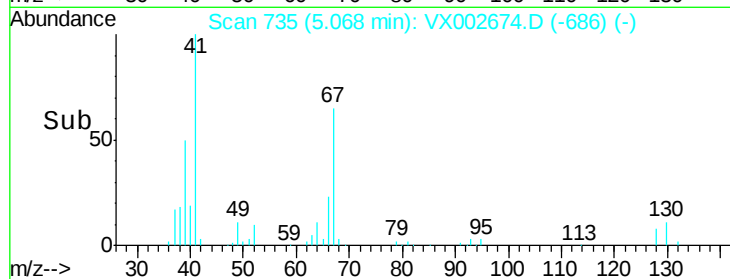
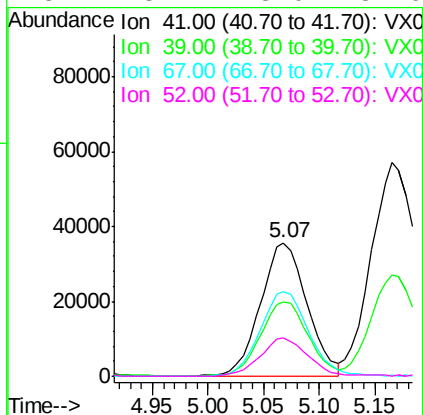
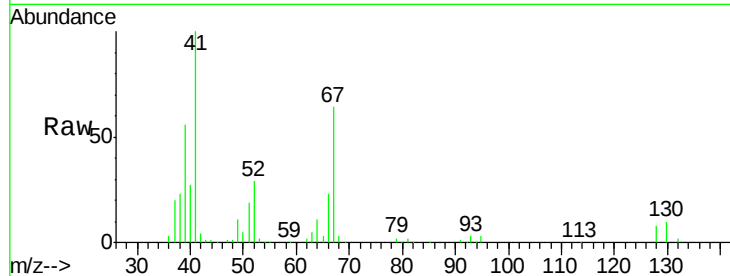
#41
Methacrylonitrile
Concen: 48.831 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.1	45.8	68.6	
67	66.7	51.3	76.9	
52	28.7	23.0	34.6	

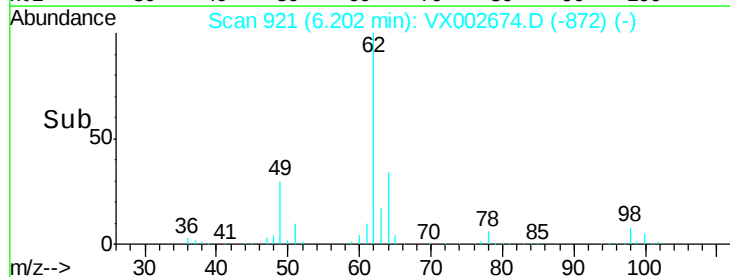
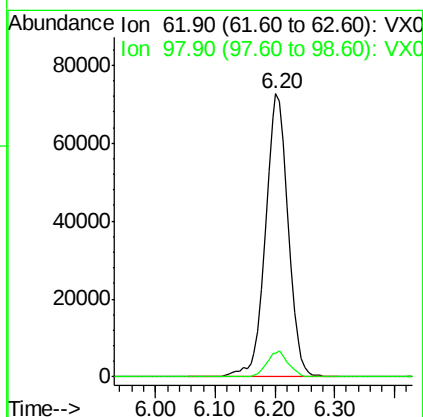
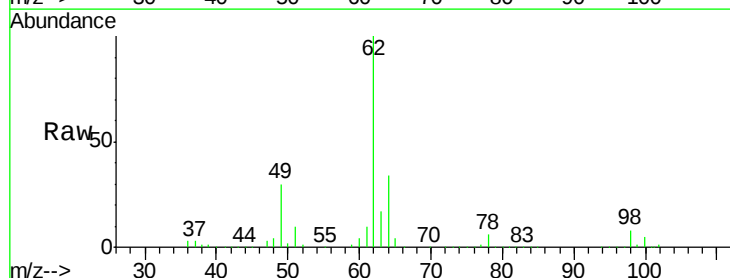
Manual Integrations
APPROVED

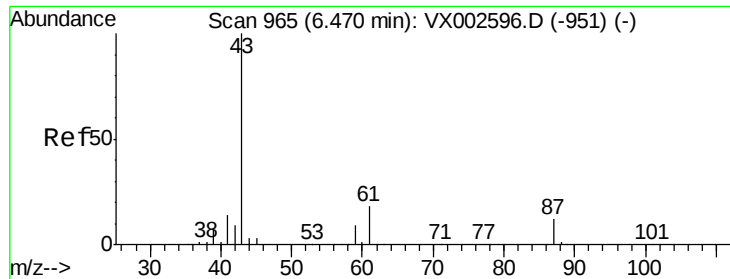
MMDadoda
6/19/2018 1:04:55 PM



#42
1,2-Dichloroethane
Concen: 49.868 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	16.6	





#43

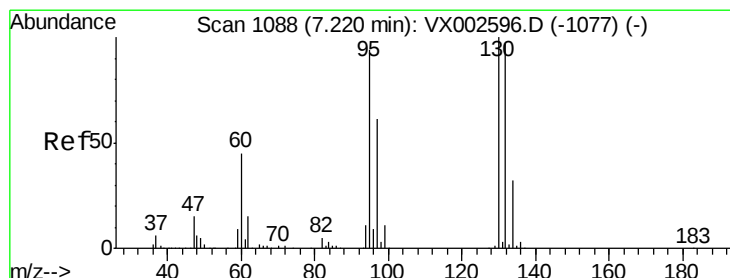
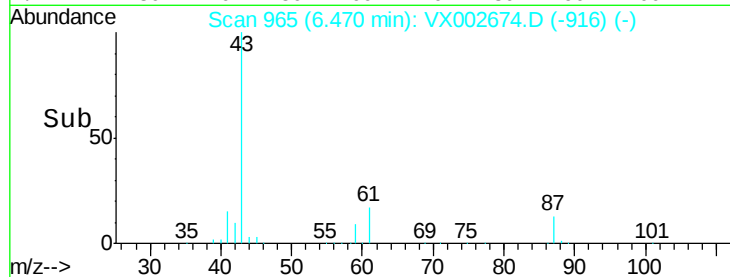
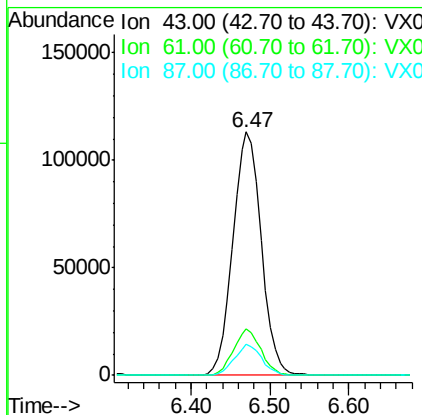
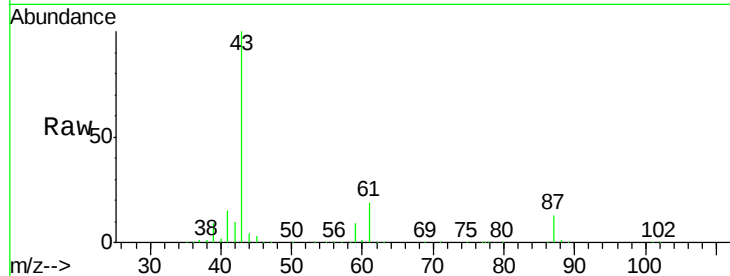
Isopropyl Acetate
 Concen: 45.693 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX002674.D
 Acq: 17 Jun 2018 03:22

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-061318MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.4	21.6
87	12.3	9.5	14.3

Manual Integrations
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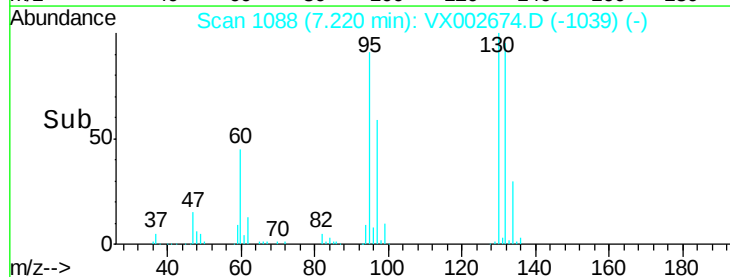
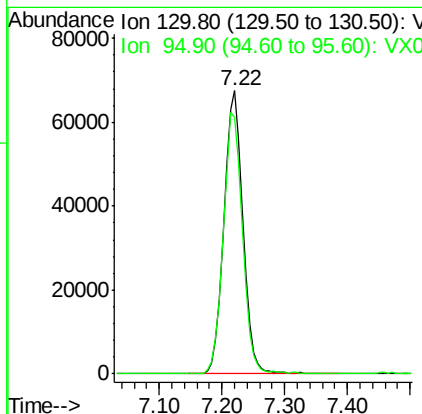
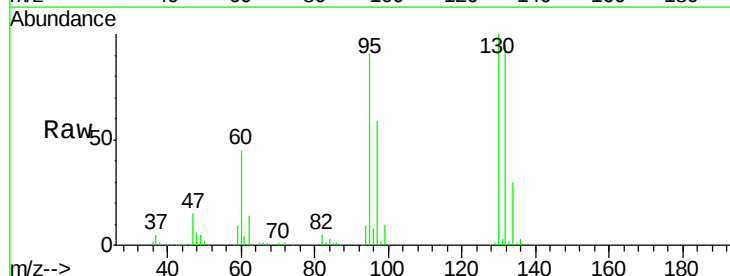
MMDadoda
 6/19/2018 1:04:55 PM

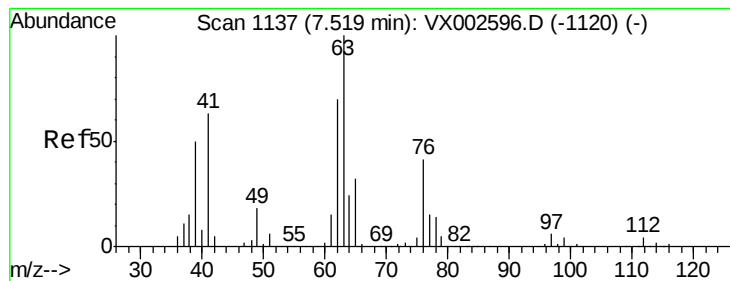


#44

Trichloroethene
 Concen: 49.522 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX002674.D
 Acq: 17 Jun 2018 03:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.6	0.0	185.4





#45

1,2-Dichloropropane

Concen: 50.276 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX002674.D

Acq: 17 Jun 2018 03:22

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MSD

Tot Ion: 63 Resp: 131021

Ion Ratio Lower Upper

63 100

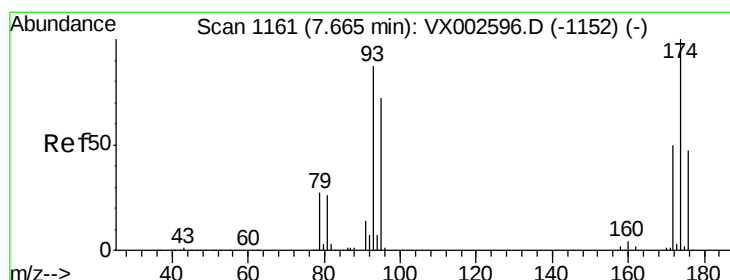
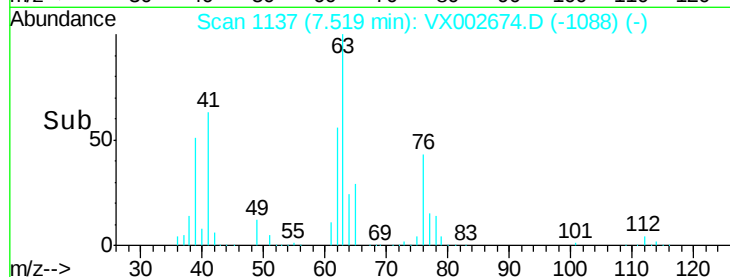
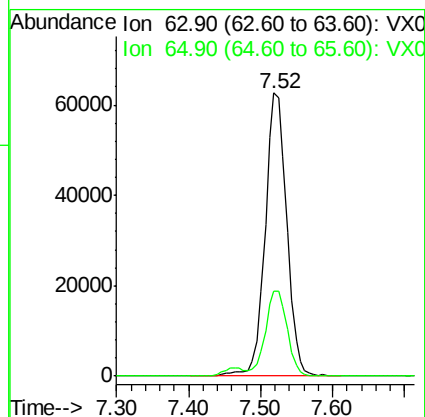
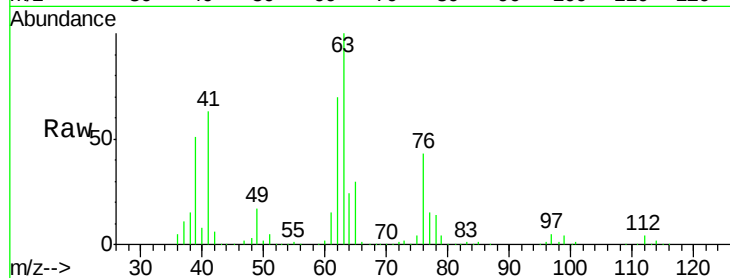
65 30.1 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 51.387 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX002674.D

Acq: 17 Jun 2018 03:22

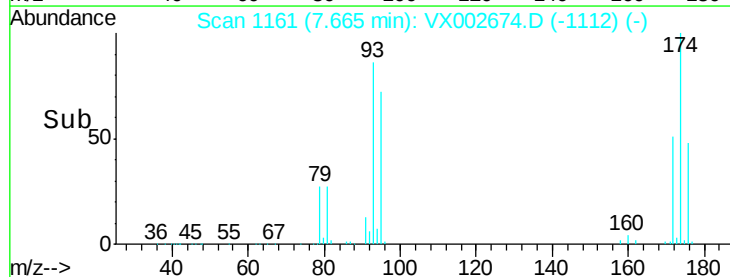
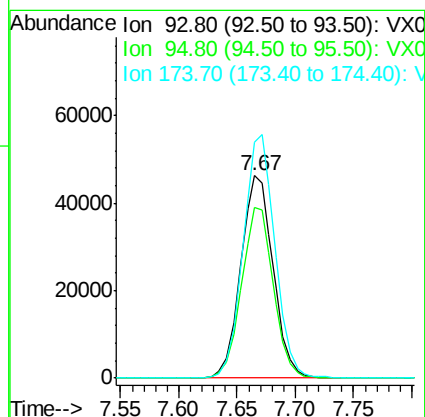
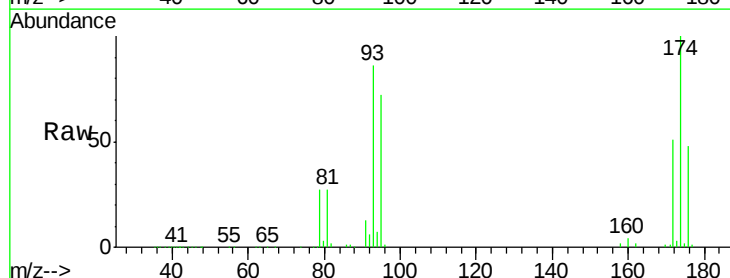
Tgt Ion: 93 Resp: 89579

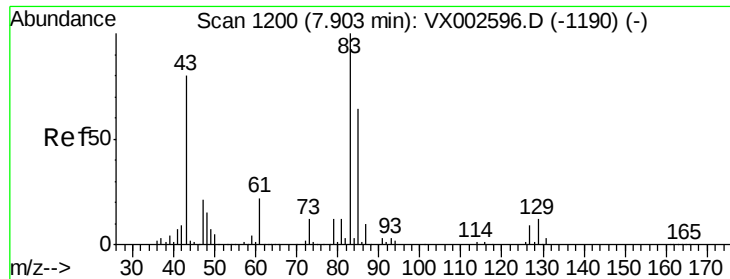
Ion Ratio Lower Upper

93 100

95 83.2 65.9 98.9

174 118.4 92.4 138.6





#47

Bromodichloromethane

Concen: 54.111 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002674.D

Acq: 17 Jun 2018 03:22

Instrument :

MSVOA_X

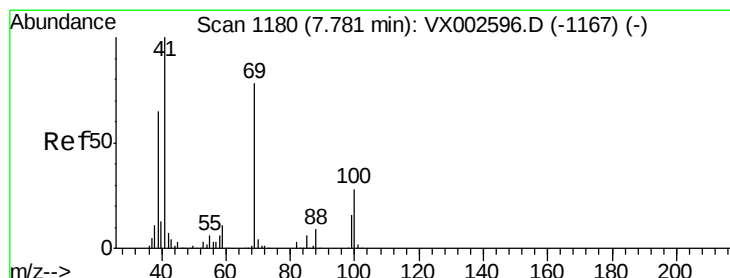
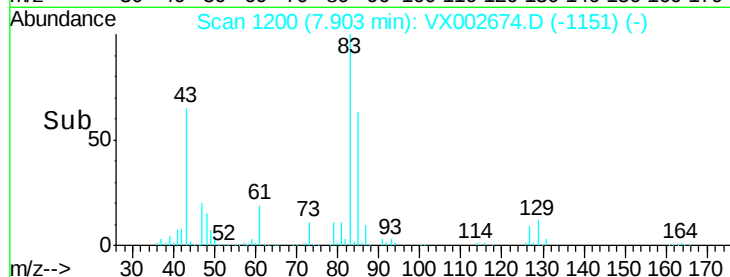
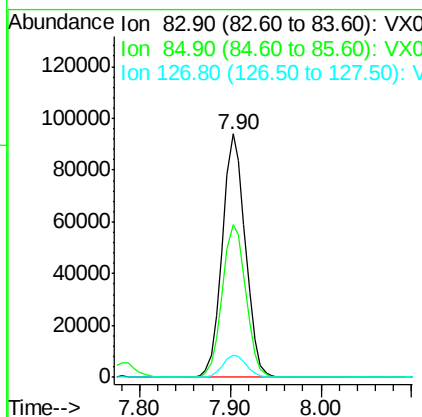
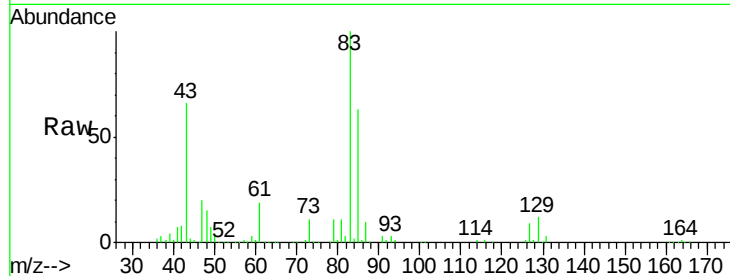
ClientSampleId :

MWHR2-6-061318MSD

Tot Ion:	83	Resp:	166371
Ion Ratio	Lower	Upper	
83	100		
85	63.0	50.3	75.5
127	9.2	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.505 ug/l

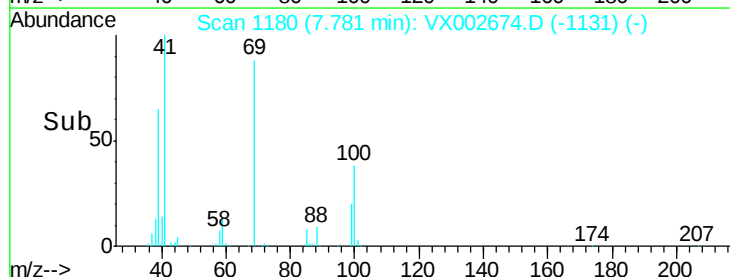
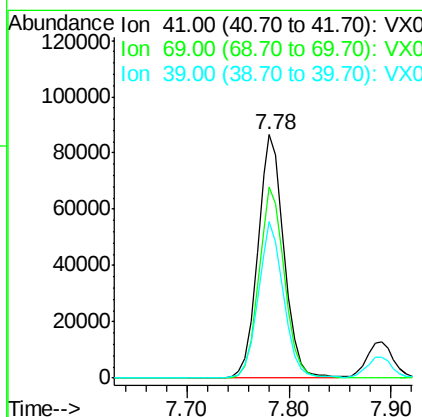
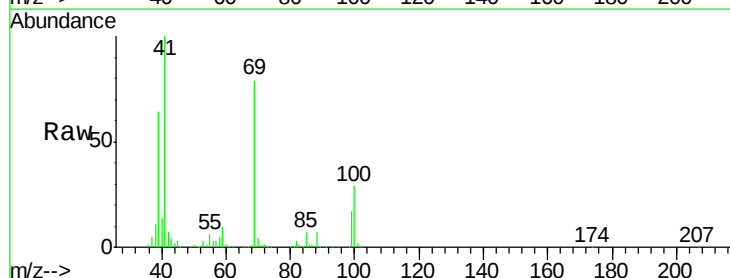
RT: 7.78 min Scan# 1180

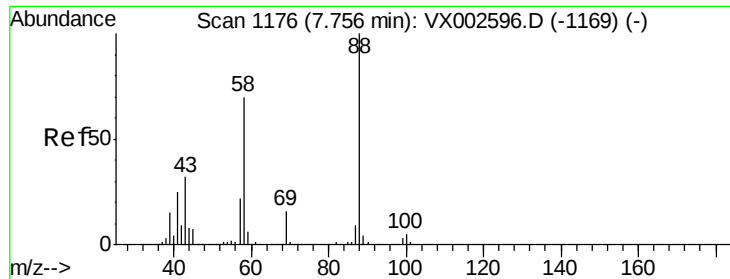
Delta R.T. 0.00 min

Lab File: VX002674.D

Acq: 17 Jun 2018 03:22

Tgt Ion:	41	Resp:	153499
Ion Ratio	Lower	Upper	
41	100		
69	77.8	59.1	88.7
39	62.5	48.9	73.3





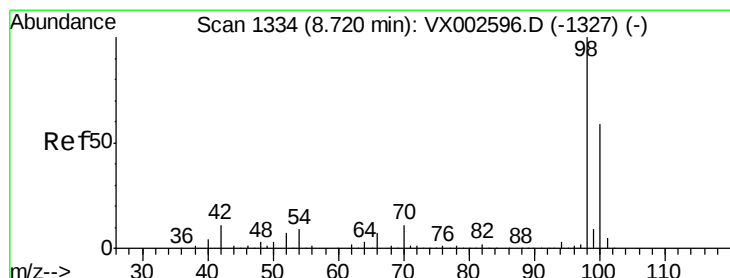
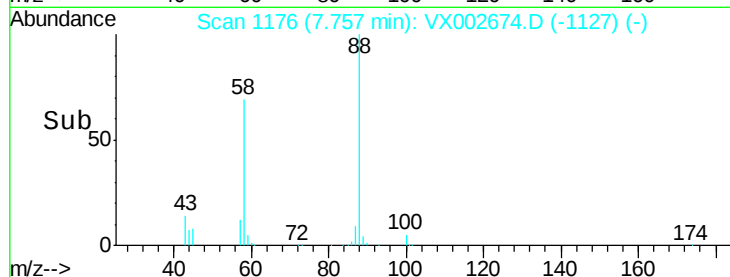
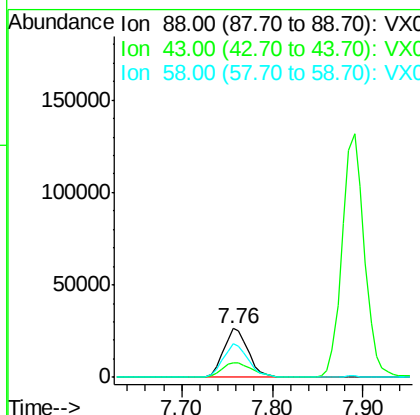
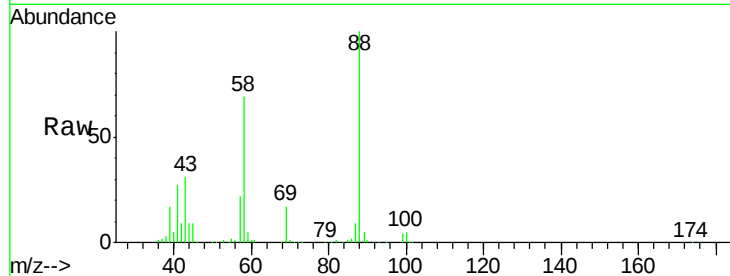
#49
1,4-Dioxane
Concen: 841.206 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	29.8	44.6
58	70.6	57.1	85.7

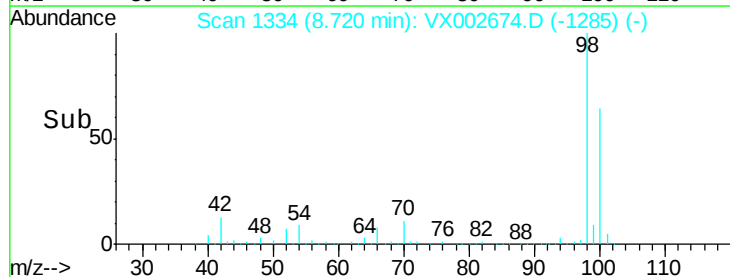
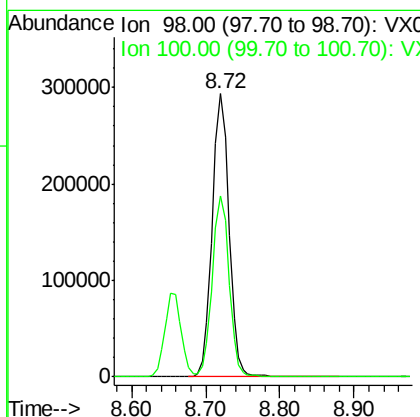
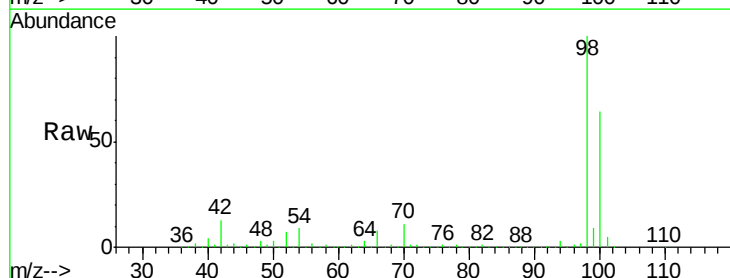
Manual Integrations
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6/19/2018 1:04:55 PM



#50
Toluene-d8
Concen: 48.417 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 242.740 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX002674.D

Acq: 17 Jun 2018 03:22

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MSD

Tot Ion: 43 Resp: 965173

Ion Ratio Lower Upper

43 100

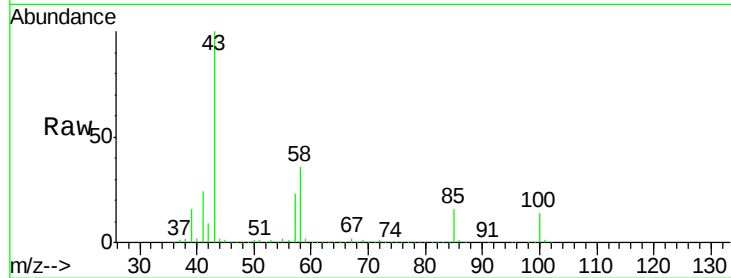
58 35.9 28.6 42.8

Manual Integrations

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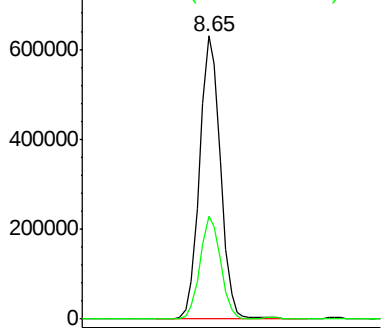
MMDadoda

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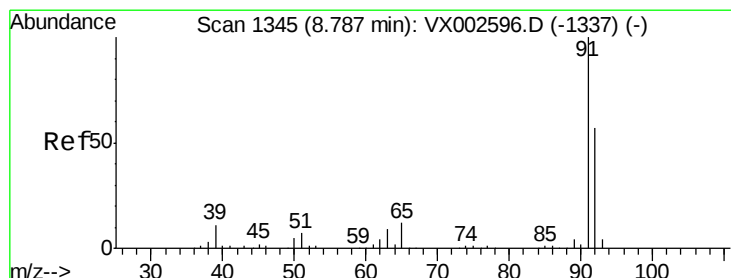
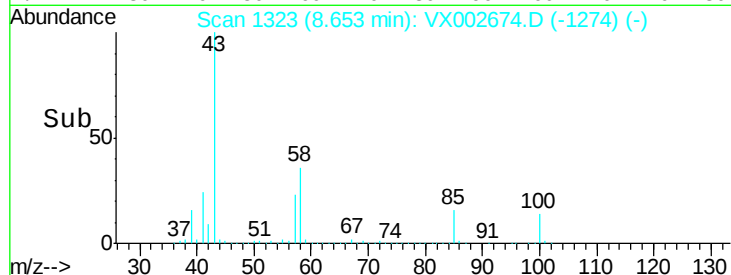


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#52

Toluene

Concen: 50.442 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002674.D

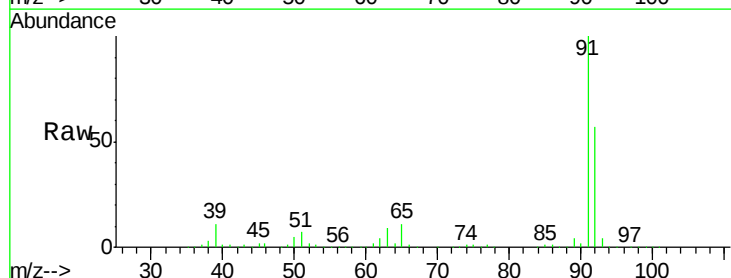
Acq: 17 Jun 2018 03:22

Tgt Ion: 92 Resp: 318610

Ion Ratio Lower Upper

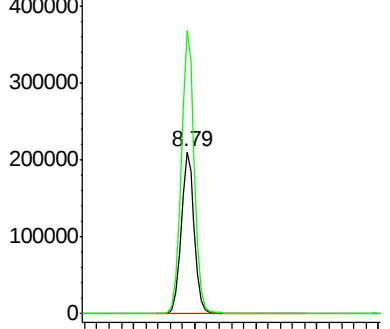
92 100

91 175.0 140.4 210.6

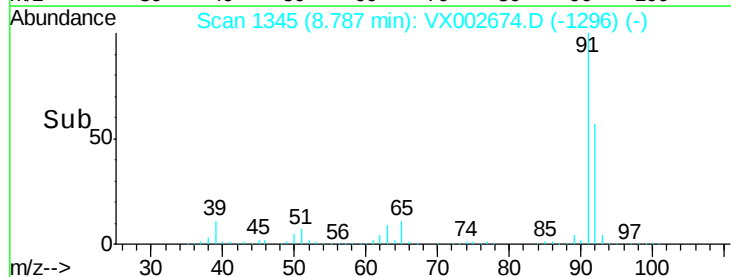


Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->





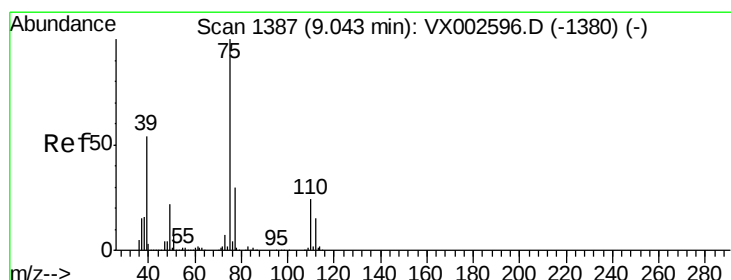
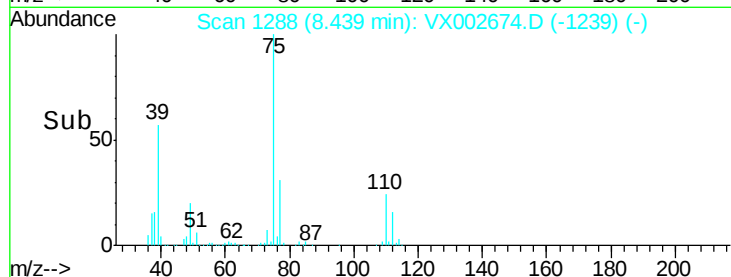
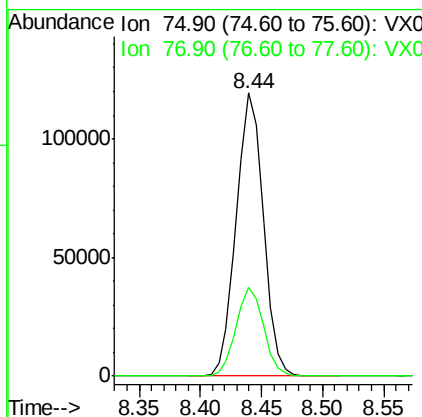
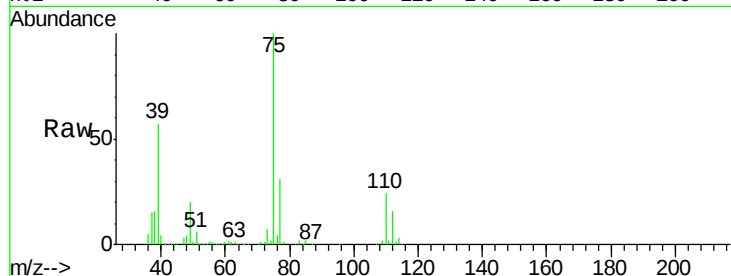
#53
t-1,3-Dichloropropene
Concen: 45.343 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.2

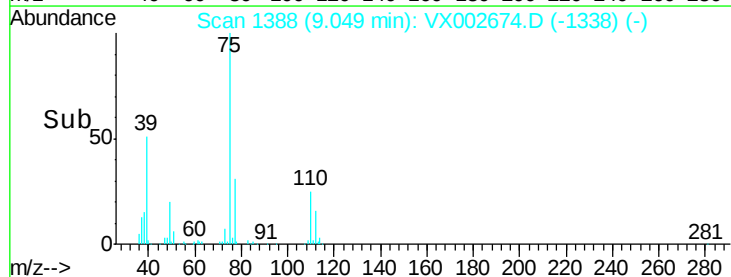
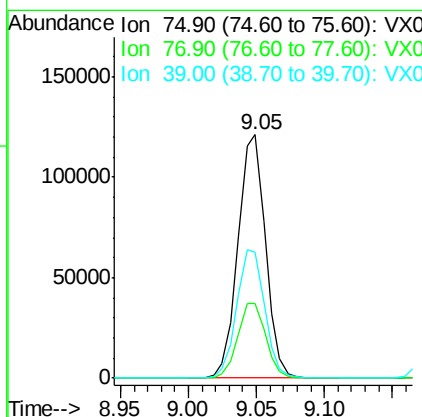
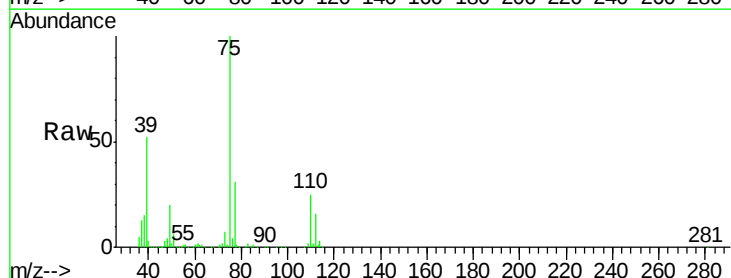
Manual Integrations
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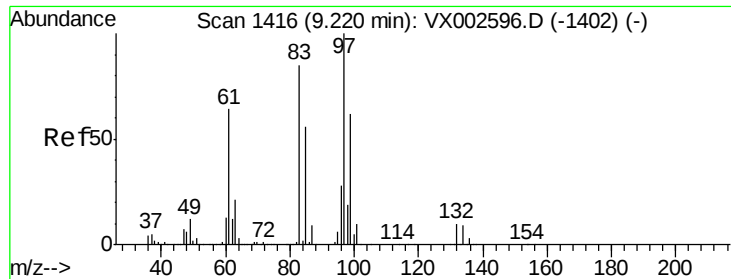
MMDadoda
6/19/2018 1:04:55 PM



#54
cis-1,3-Dichloropropene
Concen: 44.402 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.8	37.2
39	51.6	42.4	63.6





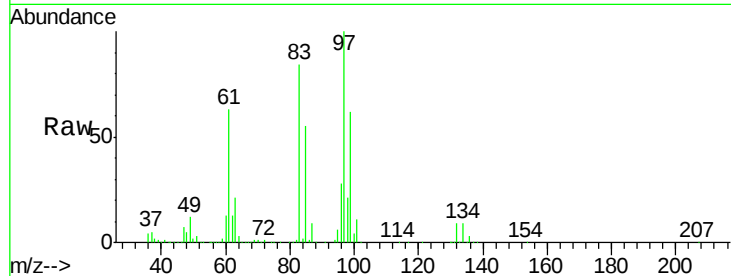
#55
 1,1,2-Trichloroethane
 Concen: 52.069 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002674.D
 Acq: 17 Jun 2018 03:22

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-061318MSD

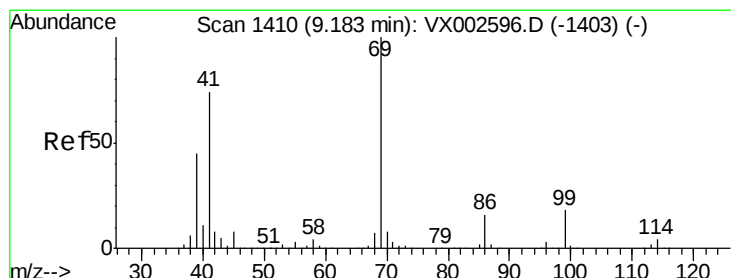
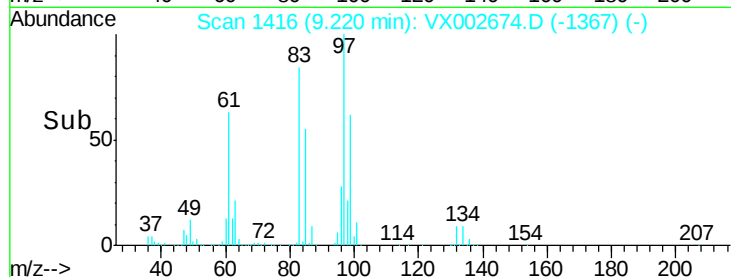
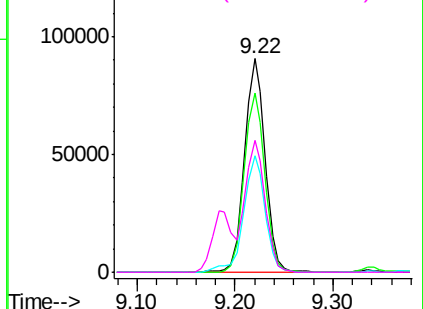
Tot Ion:	97	Resp:	132895
Ion	Ratio	Lower	Upper
97	100		
83	83.8	70.2	105.2
85	54.6	44.9	67.3
99	61.8	49.8	74.8

Manual Integrations
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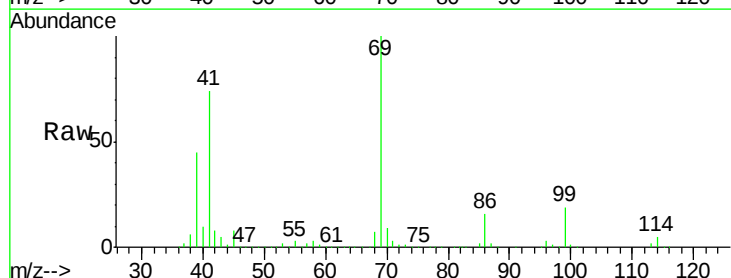


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

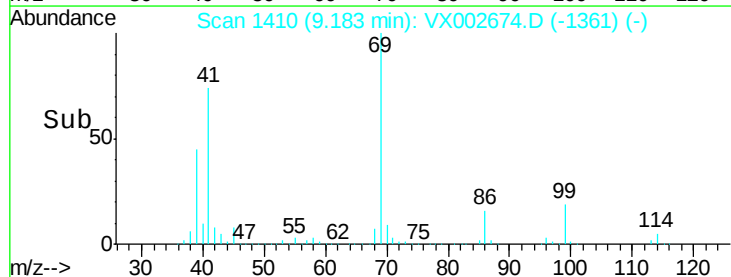
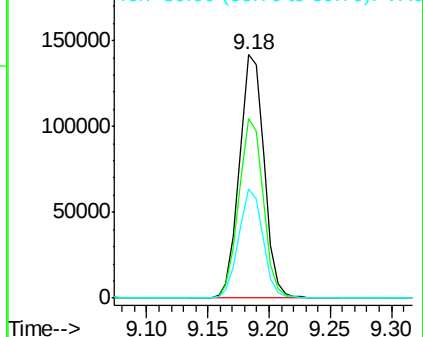


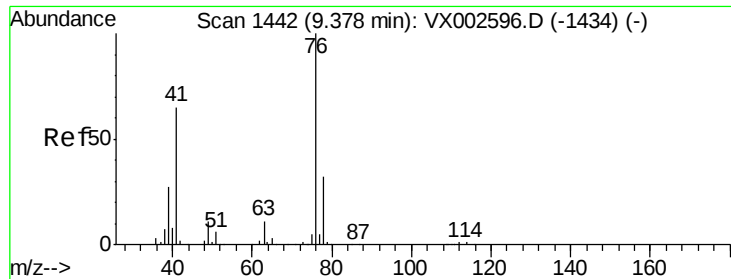
#56
 Ethyl methacrylate
 Concen: 50.262 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX002674.D
 Acq: 17 Jun 2018 03:22

Tgt Ion:	69	Resp:	197416
Ion	Ratio	Lower	Upper
69	100		
41	72.8	60.3	90.5
39	43.6	35.8	53.8



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





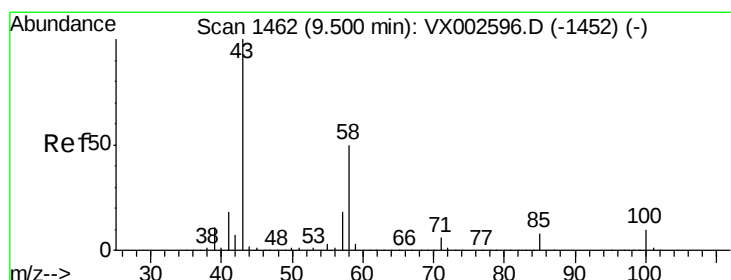
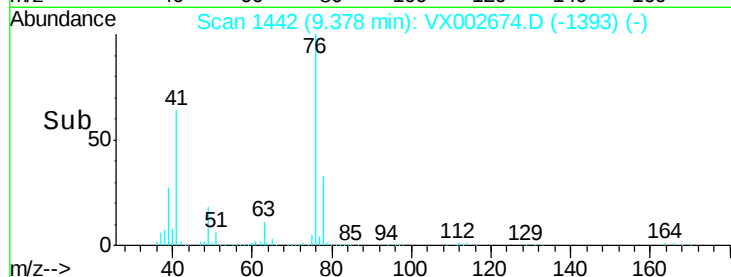
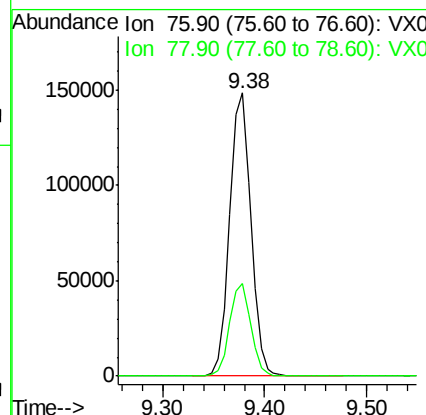
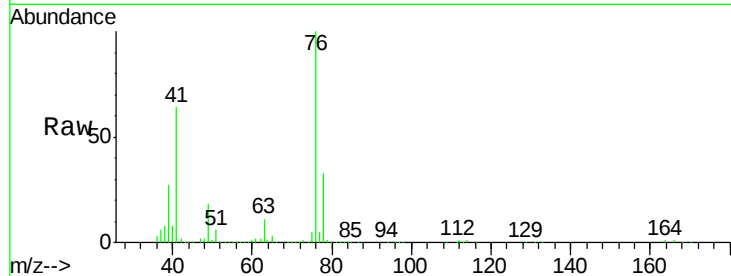
#57
 1,3-Dichloropropane
 Concen: 49.703 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX002674.D
 Acq: 17 Jun 2018 03:22

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-061318MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.6

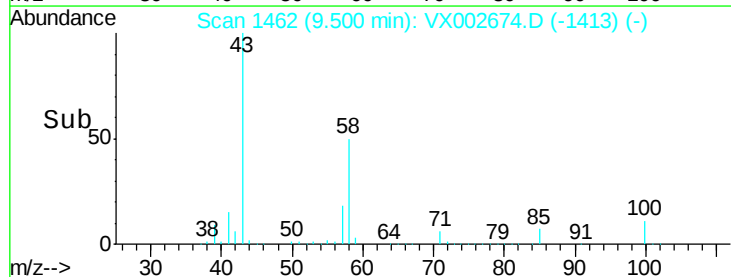
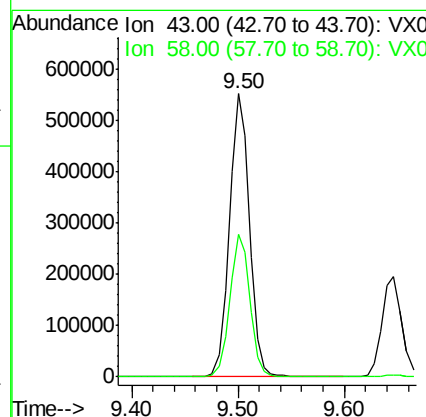
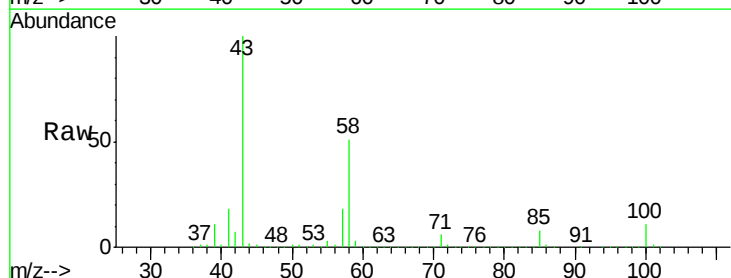
Manual Integrations
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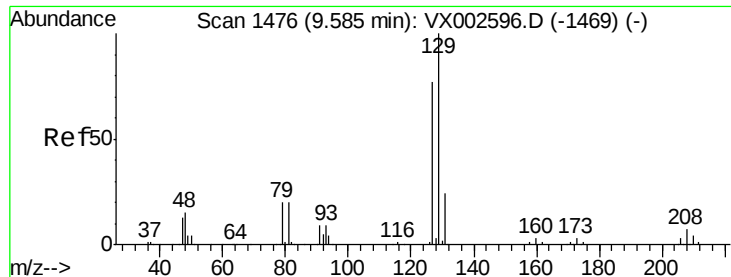
MMDadoda
 6/19/2018 1:04:55 PM



#59
 2-Hexanone
 Concen: 242.442 ug/l
 RT: 9.50 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: VX002674.D
 Acq: 17 Jun 2018 03:22

Tgt Ion	Ratio	Lower	Upper
43	100		
58	50.4	24.6	73.6





#60

Dibromochloromethane

Concen: 48.209 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX002674.D

Acq: 17 Jun 2018 03:22

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MSD

Tot Ion:129 Resp: 137991

Ion Ratio Lower Upper

129 100

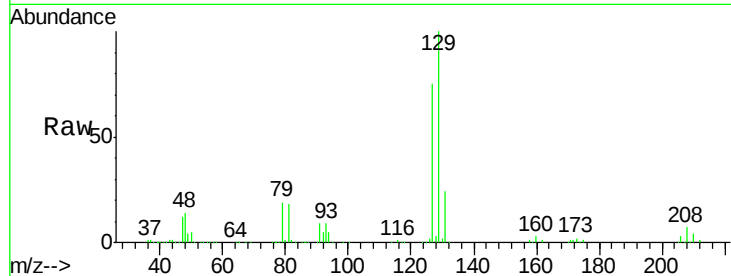
127 76.3 38.5 115.3

Manual Integrations

APPROVED

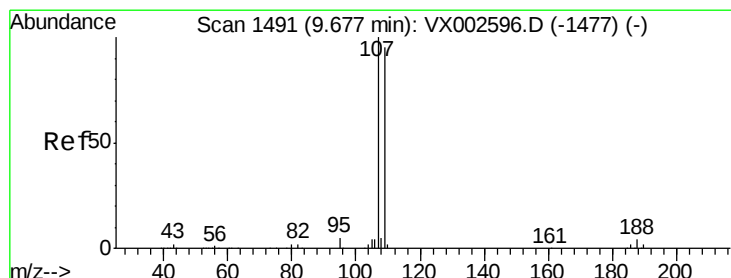
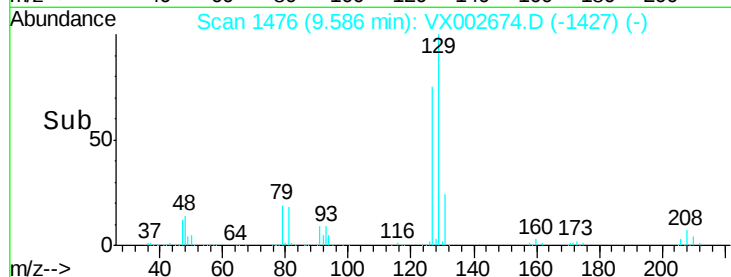
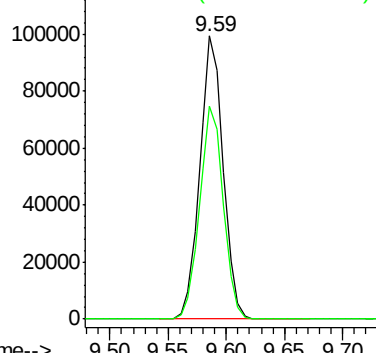
MMDadoda

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 52.693 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002674.D

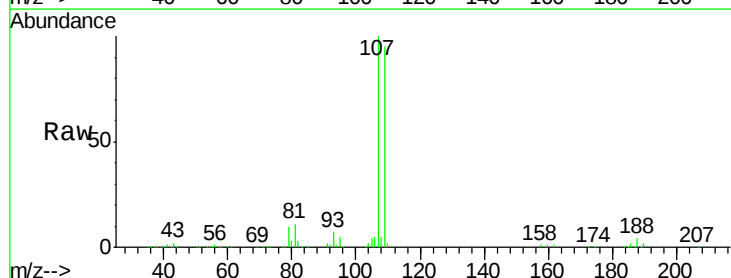
Acq: 17 Jun 2018 03:22

Tgt Ion:107 Resp: 139285

Ion Ratio Lower Upper

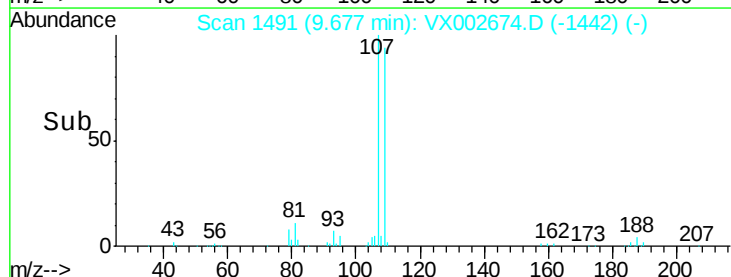
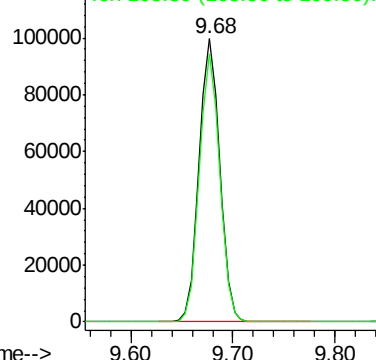
107 100

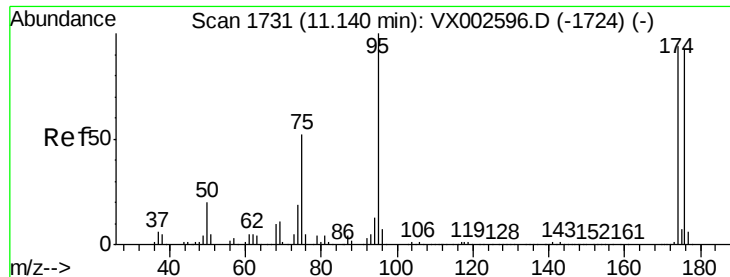
109 93.7 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





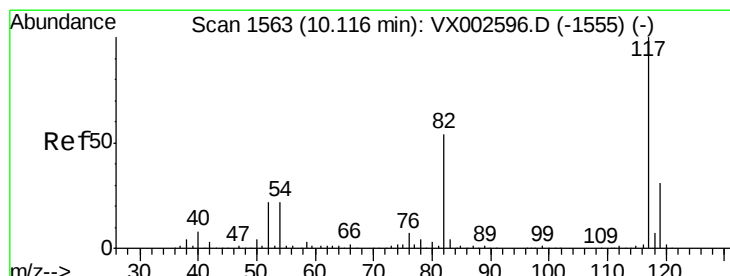
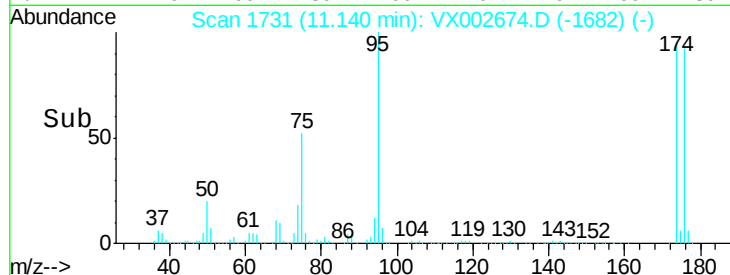
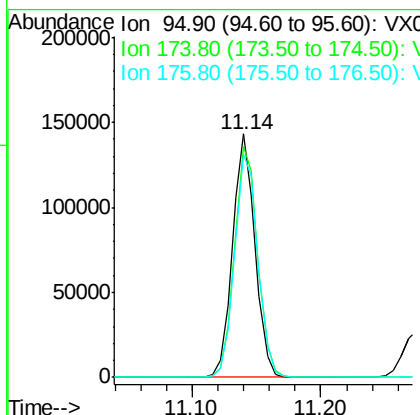
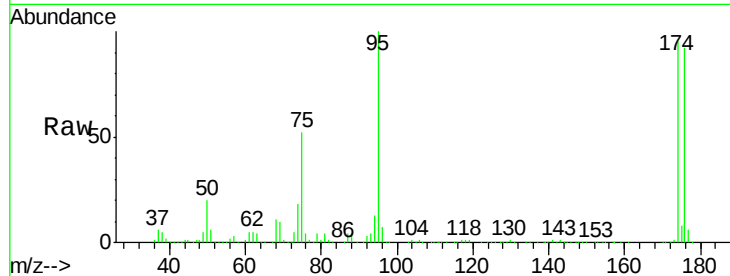
#62
4-Bromofluorobenzene
Concen: 48.582 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	173459		
174	98.0	0.0	187.4	
176	94.9	0.0	181.0	

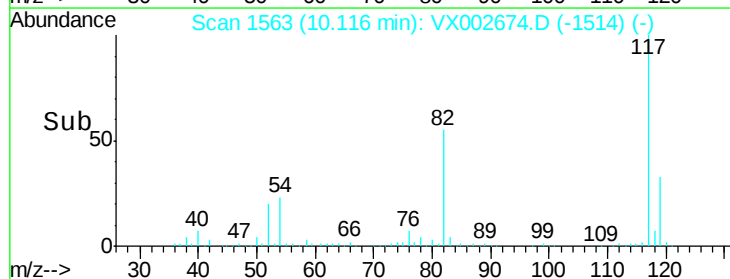
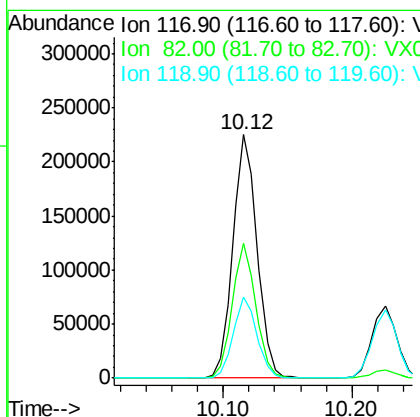
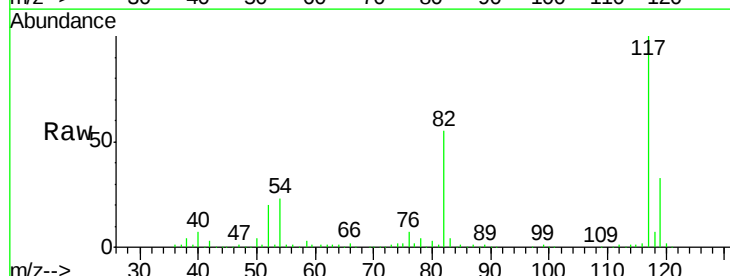
Manual Integrations
APPROVED

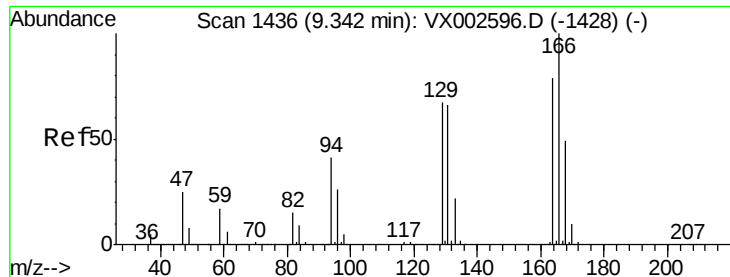
MMDadoda
6/19/2018 1:04:55 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	296059		
82	55.1	45.0	67.4	
119	33.0	25.8	38.6	





#64

Tetrachloroethene

Concen: 43.927 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX002674.D

Acq: 17 Jun 2018 03:22

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MSD

Tot Ion:164 Resp: 144358

Ion Ratio Lower Upper

164 100

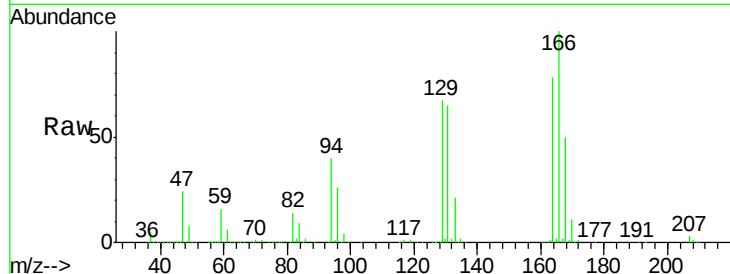
166 127.7 102.9 154.3

129 85.2 68.6 102.8

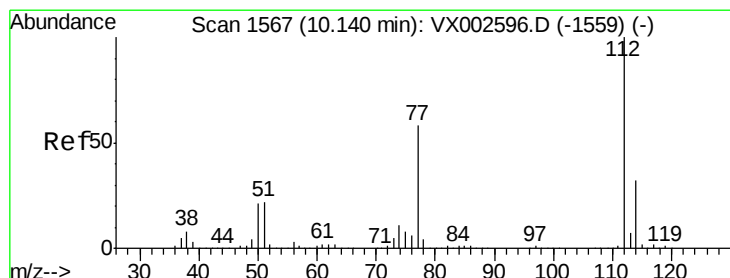
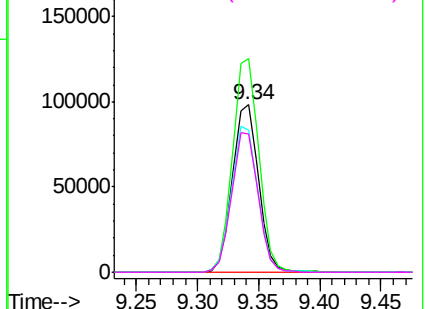
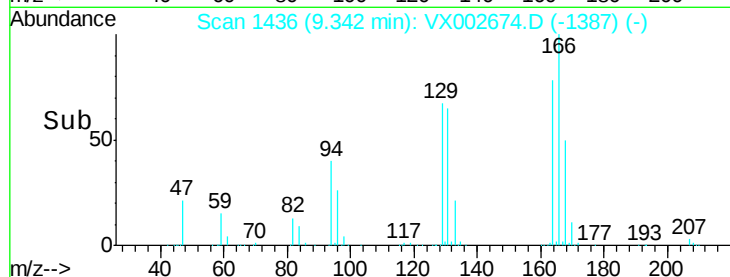
131 83.0 66.8 100.2

Manual Integrations
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Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 50.707 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX002674.D

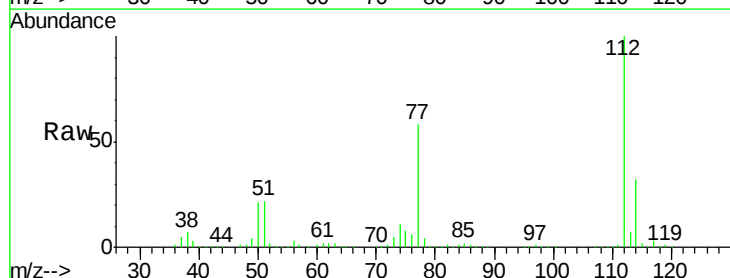
Acq: 17 Jun 2018 03:22

Tgt Ion:112 Resp: 368677

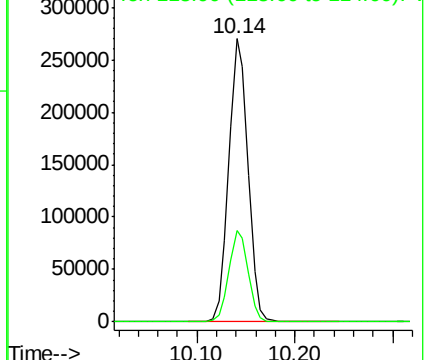
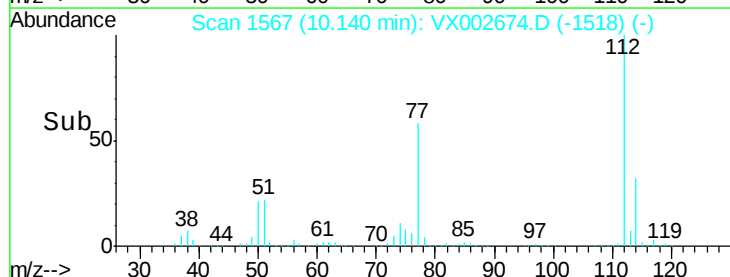
Ion Ratio Lower Upper

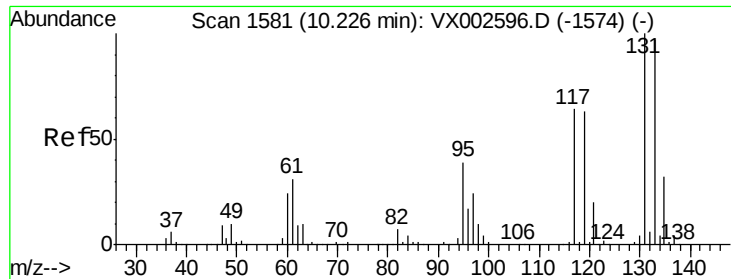
112 100

114 32.5 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 54.784 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX002674.D

Acq: 17 Jun 2018 03:22

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MSD

Tot Ion:131 Resp: 135797

Ion Ratio Lower Upper

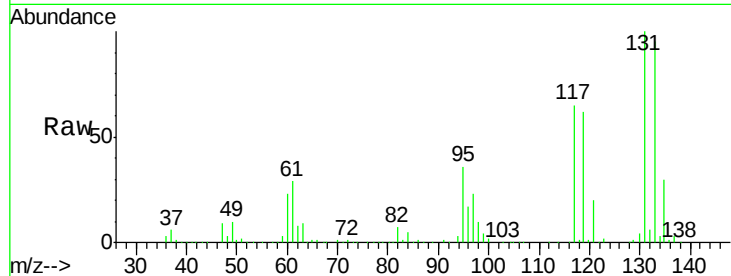
131 100

133 95.7 47.9 143.6

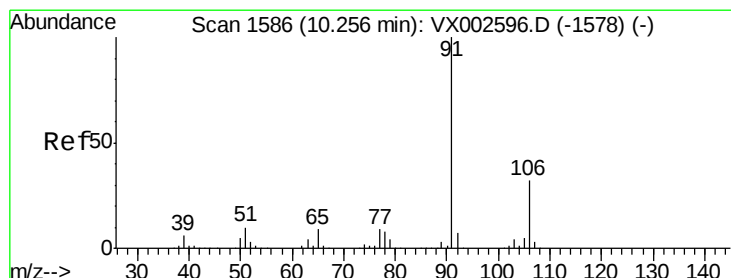
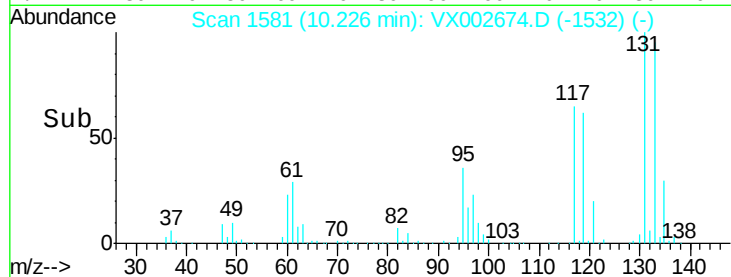
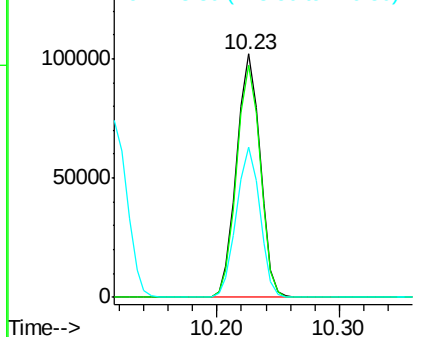
119 61.7 31.8 95.3

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Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 50.542 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX002674.D

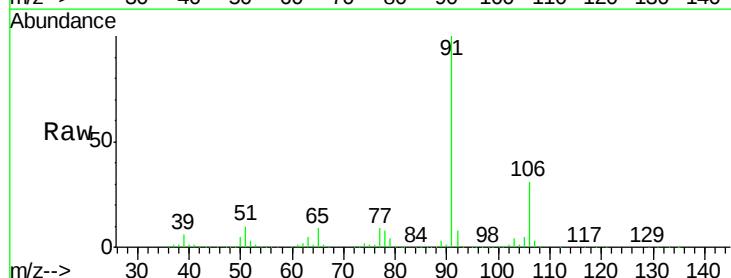
Acq: 17 Jun 2018 03:22

Tgt Ion: 91 Resp: 619821

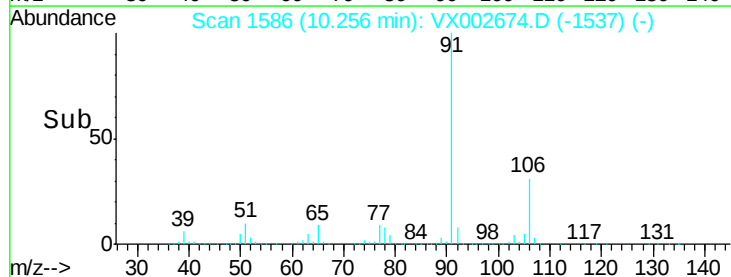
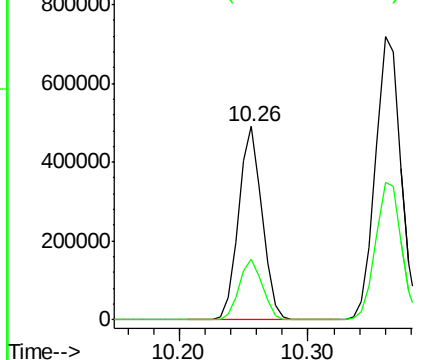
Ion Ratio Lower Upper

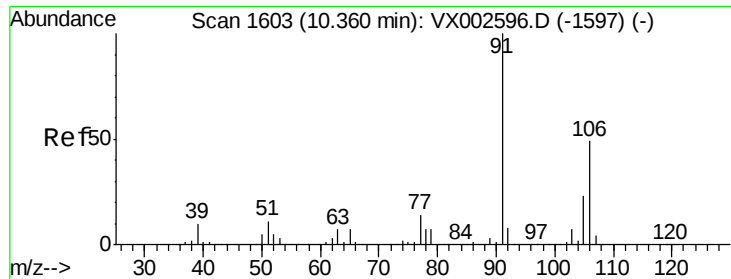
91 100

106 31.1 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V





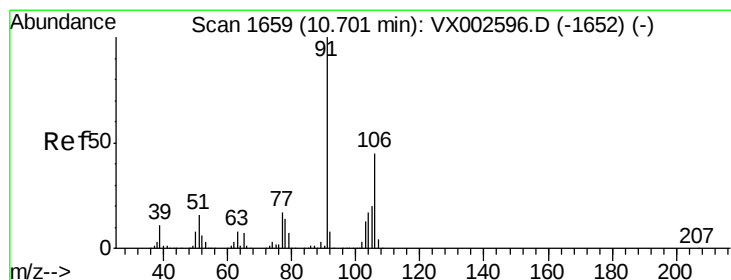
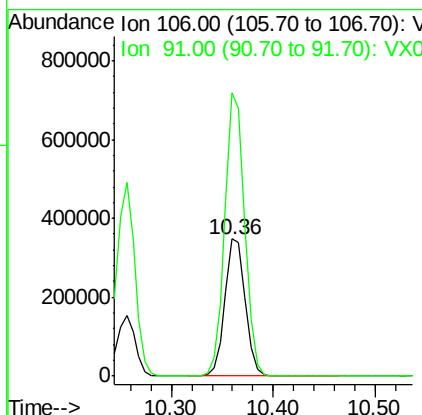
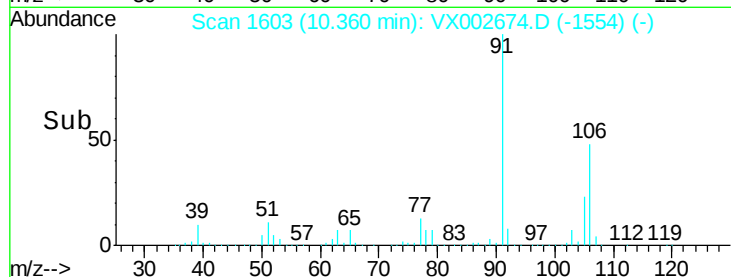
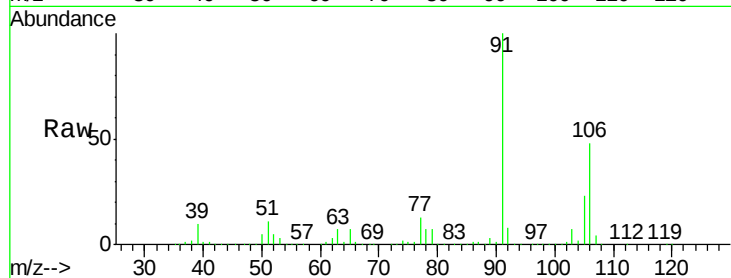
#68
m/p-Xylenes
Concen: 100.828 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MSD

Tot Ion:106 Resp: 476975
Ion Ratio Lower Upper
106 100
91 203.2 163.4 245.2

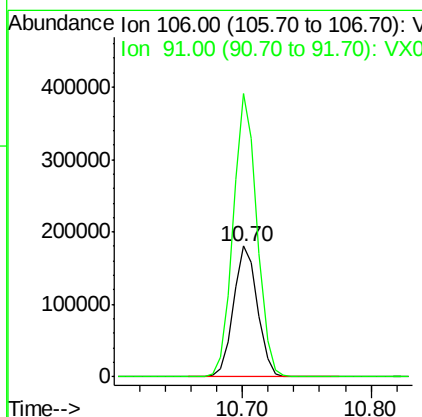
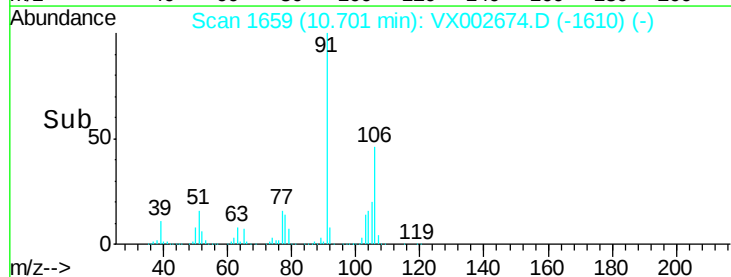
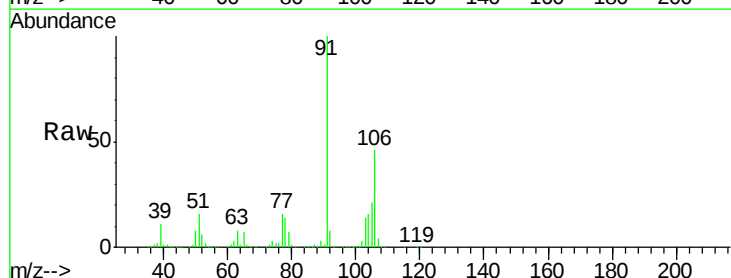
Manual Integrations
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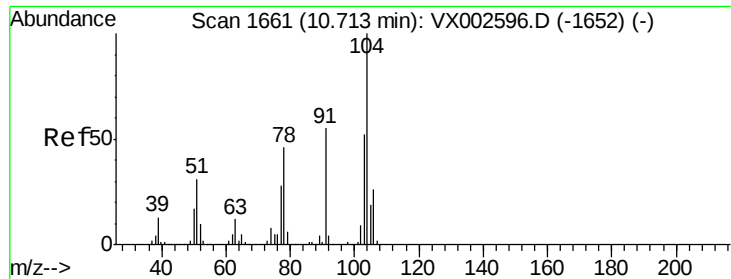
MMDadoda
6/19/2018 1:04:55 PM



#69
o-Xylene
Concen: 50.423 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Tgt Ion:106 Resp: 234354
Ion Ratio Lower Upper
106 100
91 213.4 108.2 324.6





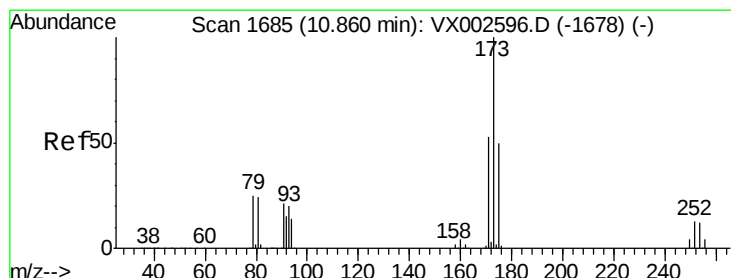
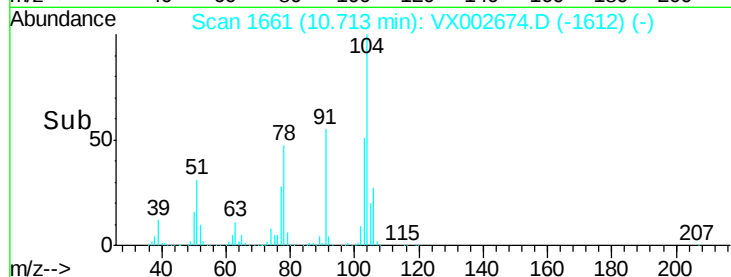
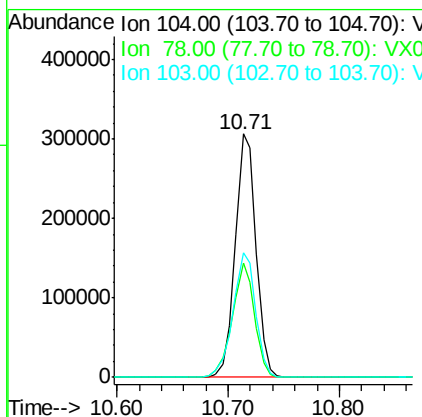
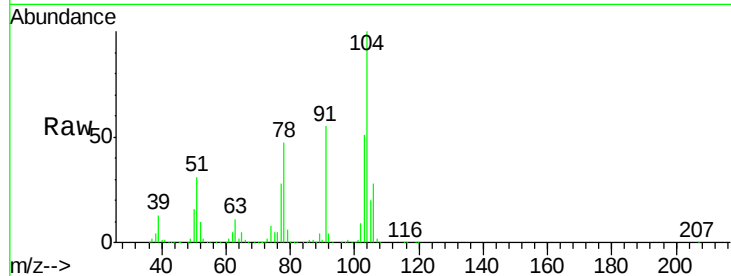
#70
Stvrene
Concen: 51.586 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Instrument :
MSVOA_X
ClientSampleId :
MWHHR2-6-061318MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.5	41.0	61.6
103	55.9	44.2	66.4

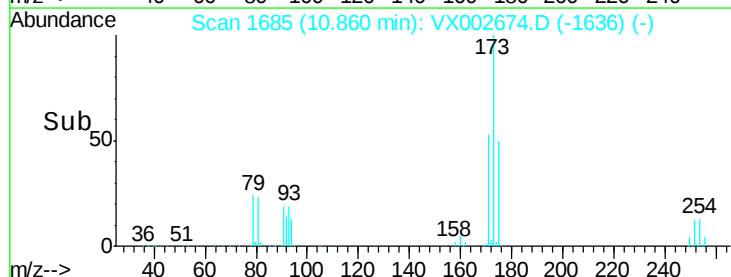
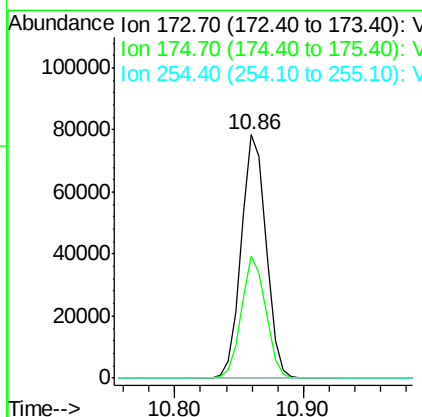
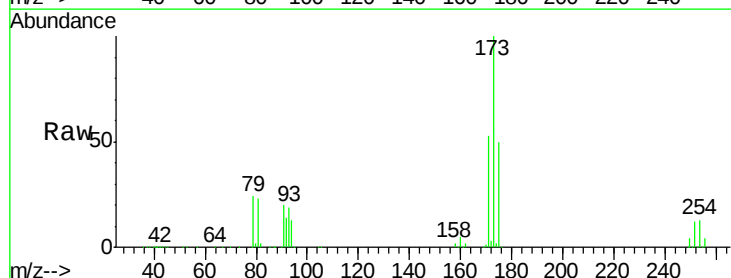
Manual Integrations
APPROVED

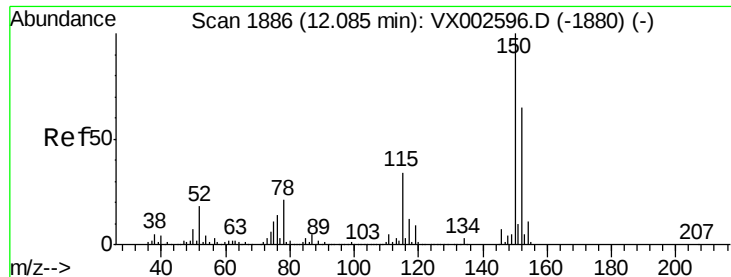
MMDadoda
6/19/2018 1:04:55 PM



#71
Bromoform
Concen: 46.446 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.7	74.1
254	0.2	0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002674.D

Acq: 17 Jun 2018 03:22

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MSD

Tot Ion:152 Resp: 188982

Ion Ratio Lower Upper

152 100

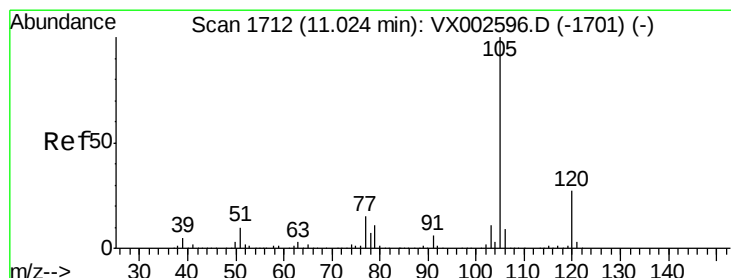
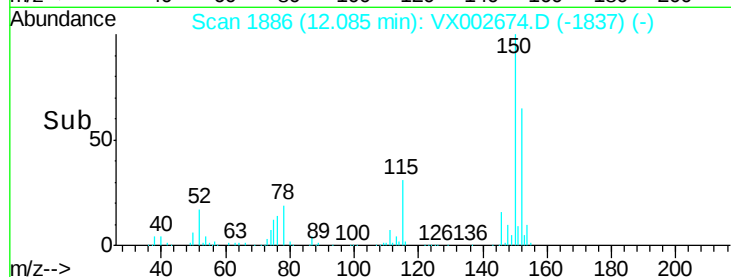
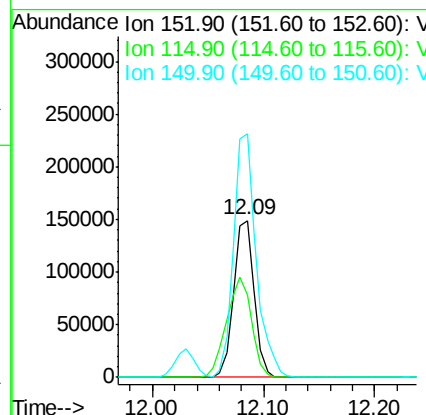
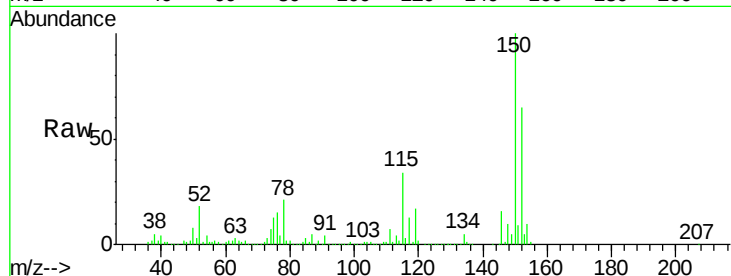
115 77.5 40.1 120.2

150 172.2 0.0 347.2

Manual Integrations
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6/19/2018 1:04:55 PM



#73

Isopropylbenzene

Concen: 49.871 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002674.D

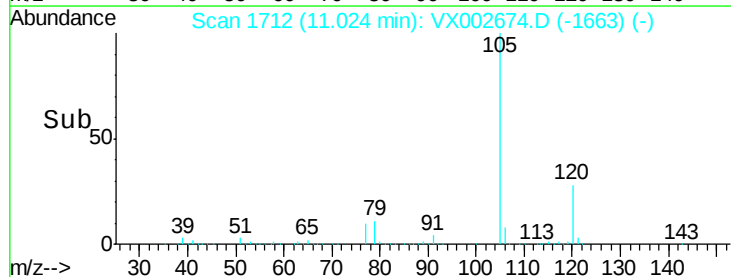
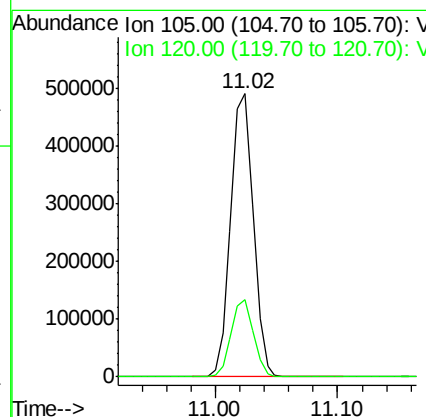
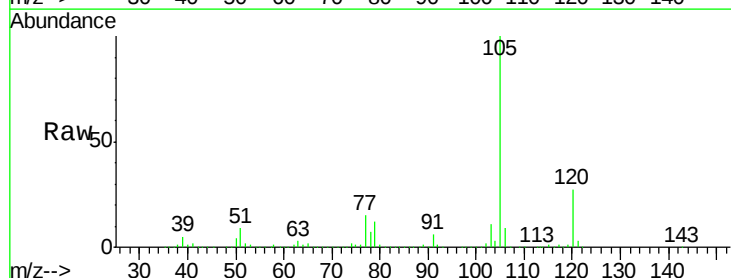
Acq: 17 Jun 2018 03:22

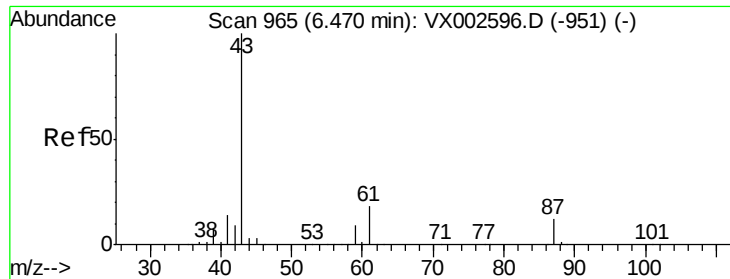
Tgt Ion:105 Resp: 630330

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.4





#74

N-amvl acetate

Concen: 45.059 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX002674.D

Acq: 17 Jun 2018 03:22

Instrument :

MSVOA_X

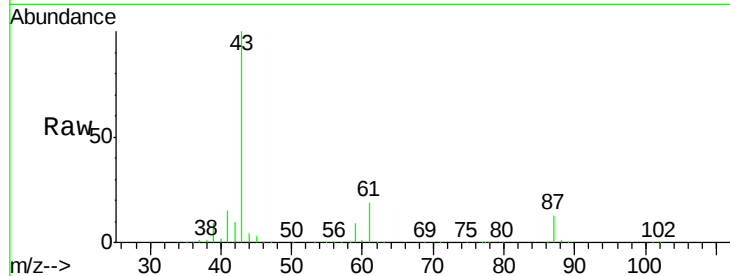
ClientSampleId :

MWHR2-6-061318MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		282963		
70	0.0	0.0	0.0		
55	0.0	0.0	0.0		
61	18.4	14.4	21.6		

Manual Integrations
APPROVED

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6/19/2018 1:04:55 PM

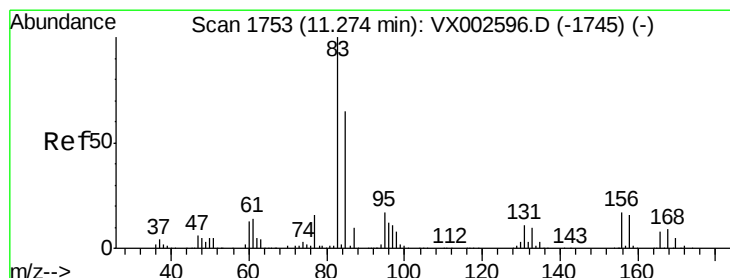
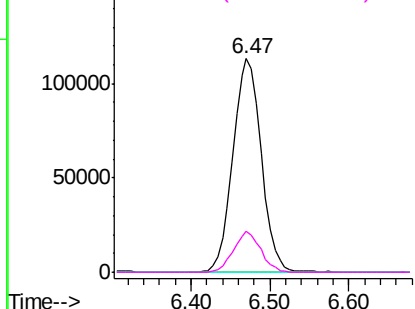
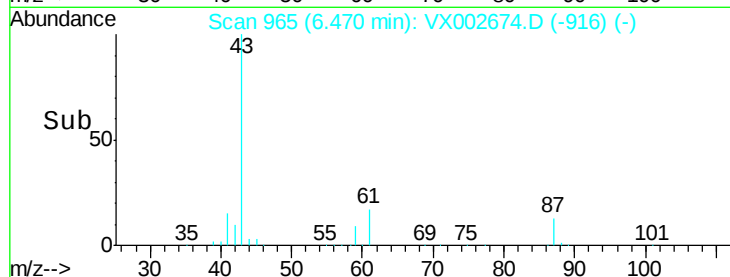


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 52.540 ug/l

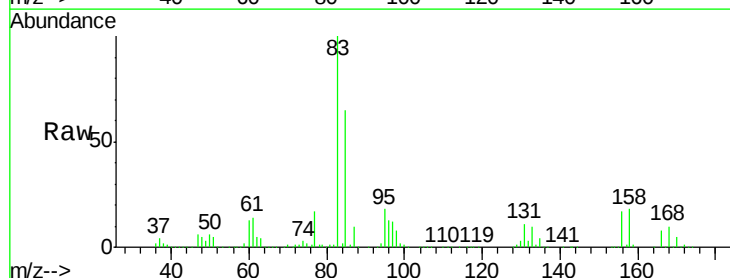
RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002674.D

Acq: 17 Jun 2018 03:22

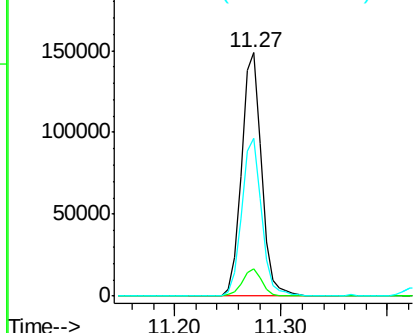
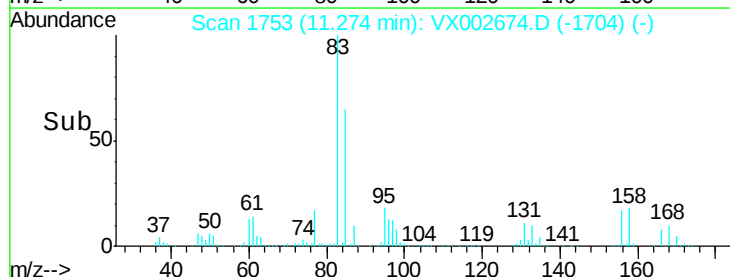
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		196106		
131	10.9	5.6	16.8		
85	64.6	32.4	97.2		

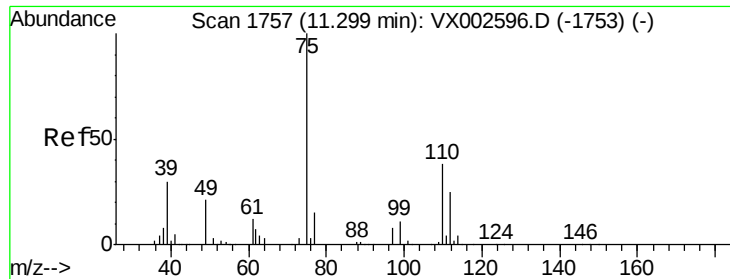


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





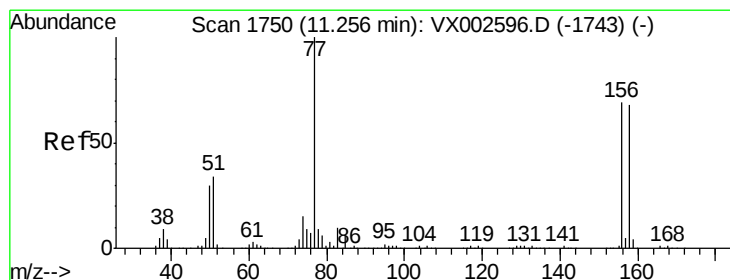
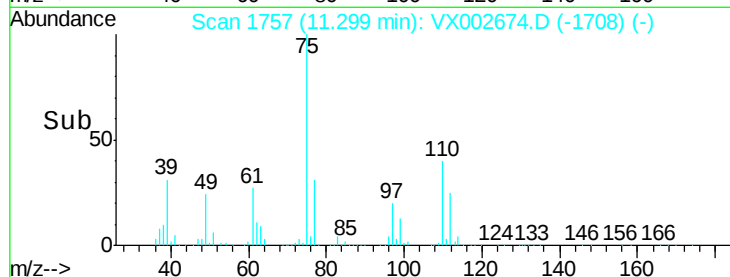
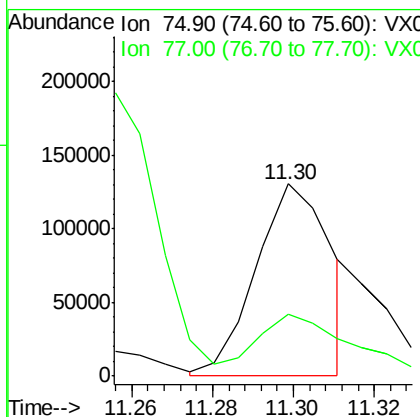
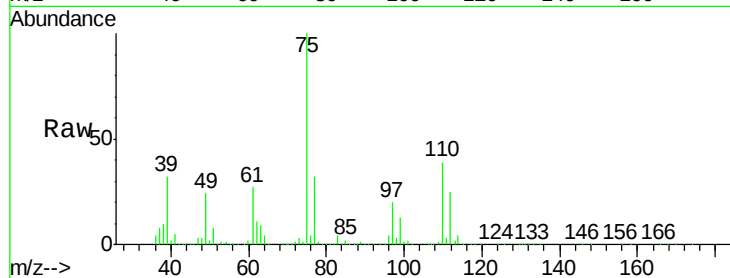
#76
 1,2,3-Trichloropropane
 Concen: 47.028 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VX002674.D
 Acq: 17 Jun 2018 03:22

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-061318MSD

Tot Ion: 75 Resp: 167707
 Ion Ratio Lower Upper
 75 100
 77 41.3 22.8 68.3

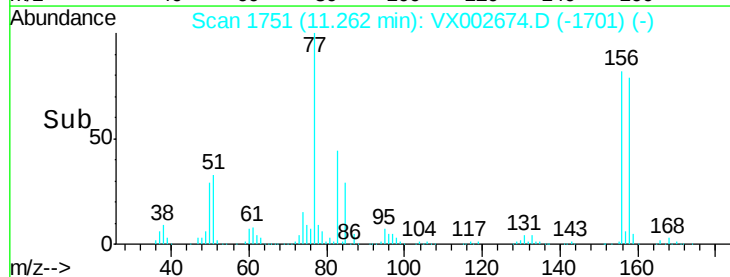
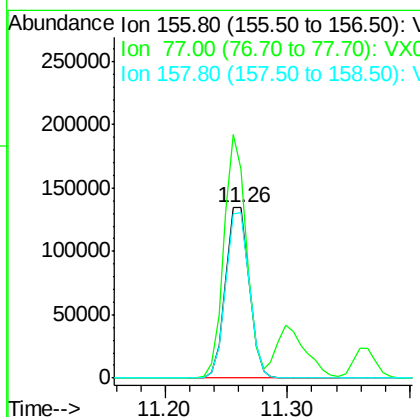
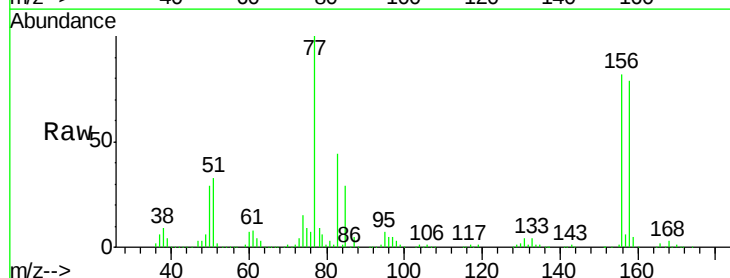
Manual Integrations
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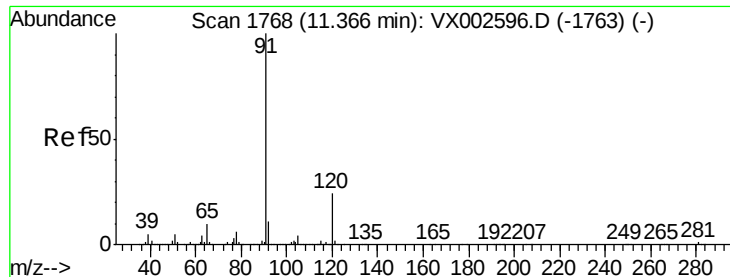
MMDadoda
 6/19/2018 1:04:55 PM



#77
 Bromobenzene
 Concen: 50.841 ug/l
 RT: 11.26 min Scan# 1751
 Delta R.T. 0.01 min
 Lab File: VX002674.D
 Acq: 17 Jun 2018 03:22

Tgt Ion: 156 Resp: 179023
 Ion Ratio Lower Upper
 156 100
 77 136.0 71.4 214.2
 158 97.5 48.9 146.6





#78

n-propylbenzene

Concen: 49.445 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002674.D

Acq: 17 Jun 2018 03:22

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MSD

Tot Ion: 91 Resp: 716728

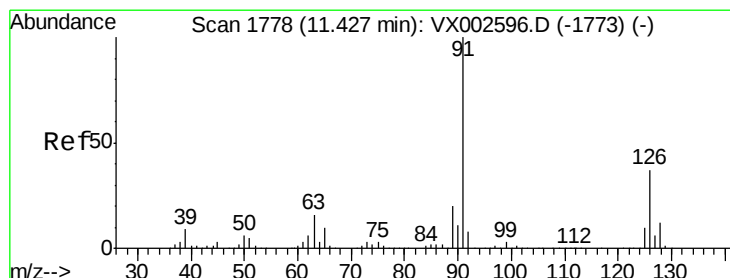
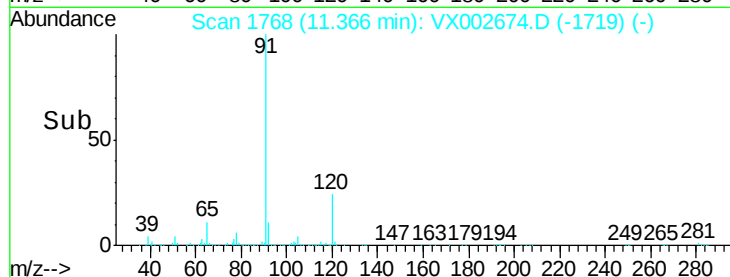
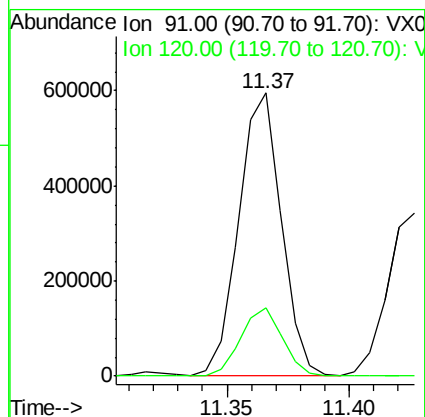
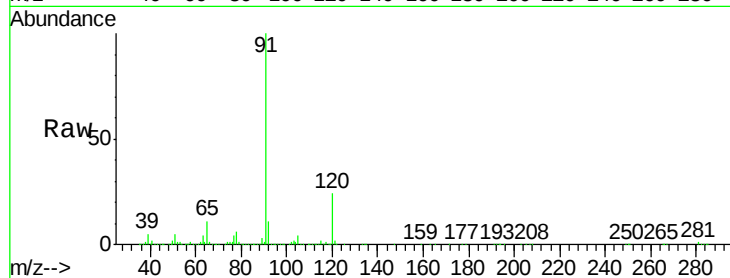
Ion Ratio Lower Upper

91 100

120 23.9 11.8 35.4

Manual Integrations
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#79

2-Chlorotoluene

Concen: 48.999 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002674.D

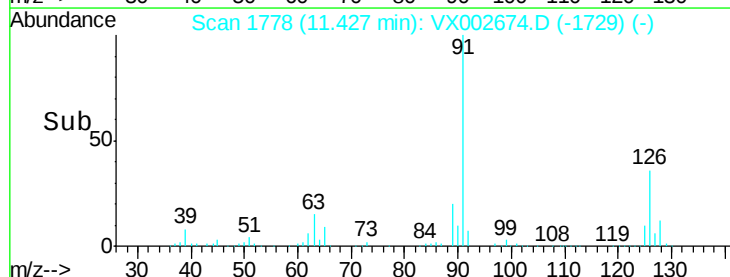
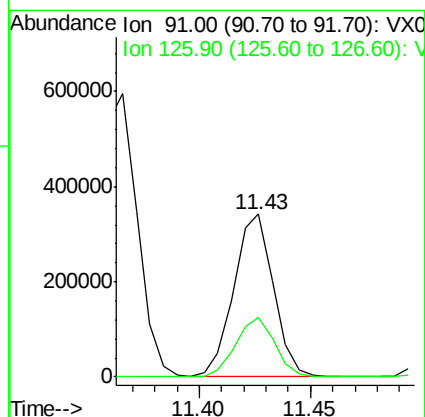
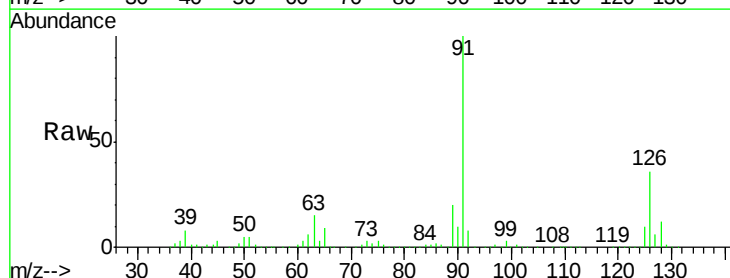
Acq: 17 Jun 2018 03:22

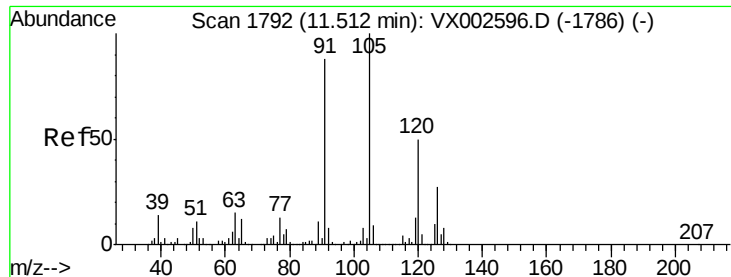
Tgt Ion: 91 Resp: 424060

Ion Ratio Lower Upper

91 100

126 36.1 17.7 53.1





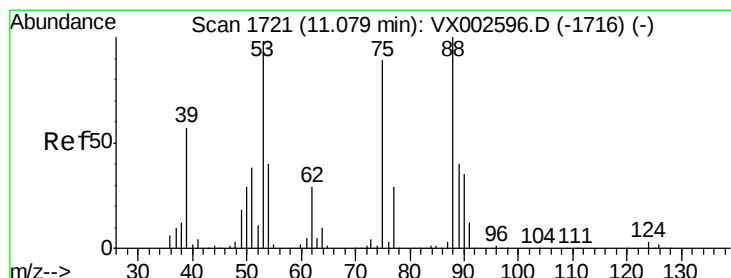
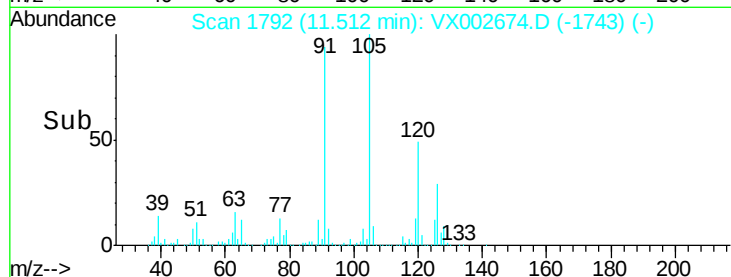
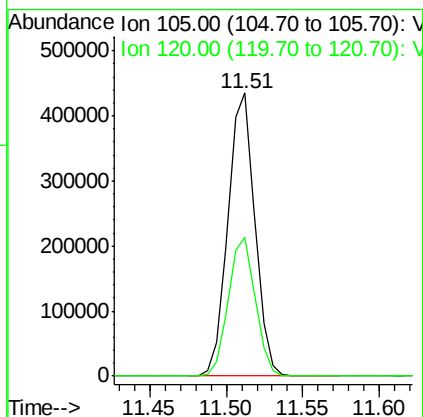
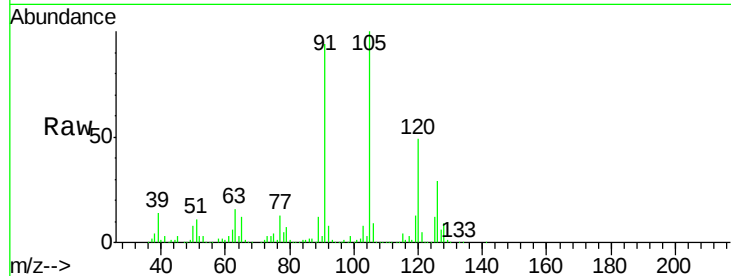
#80
 1,3,5-Trimethylbenzene
 Concen: 49.506 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX002674.D
 Acq: 17 Jun 2018 03:22

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-061318MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	49.4	24.4	73.4

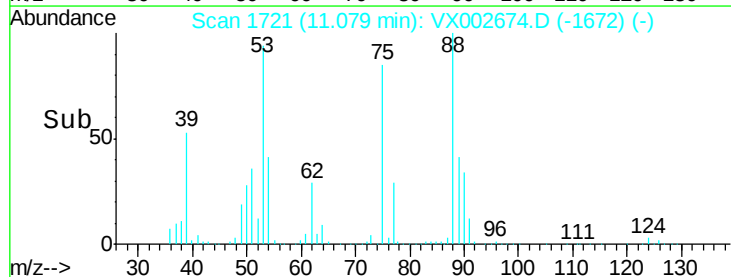
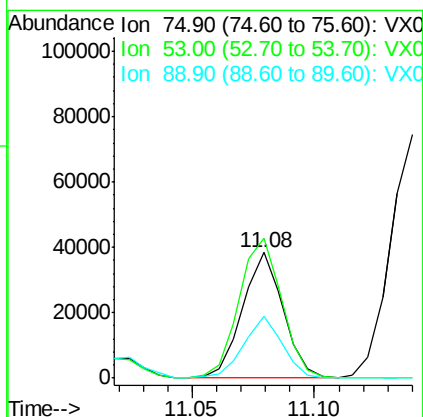
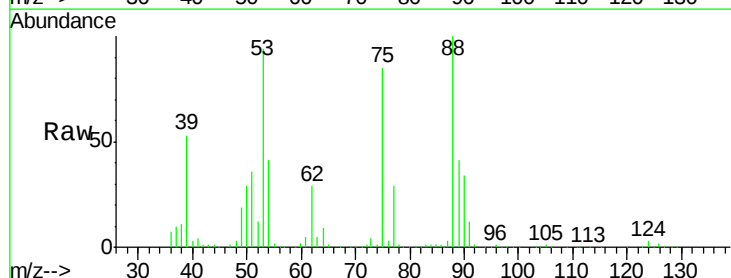
Manual Integrations
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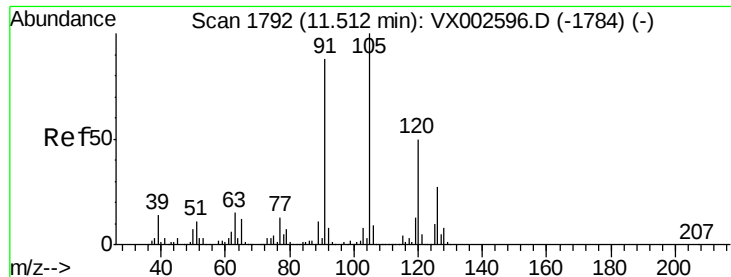
MMDadoda
 6/19/2018 1:04:55 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 40.674 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX002674.D
 Acq: 17 Jun 2018 03:22

Tgt Ion	Ratio	Lower	Upper
75	100		
53	117.5	86.8	130.2
89	47.5	38.2	57.2





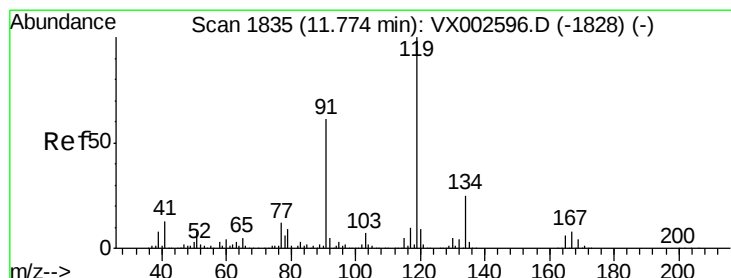
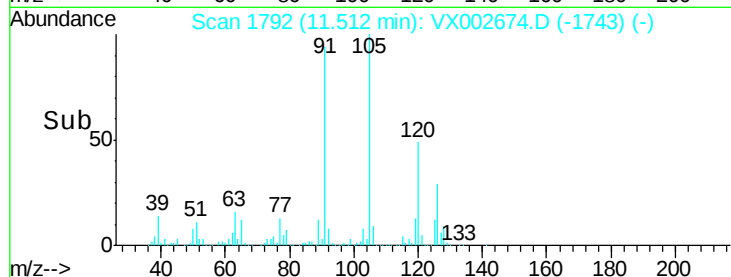
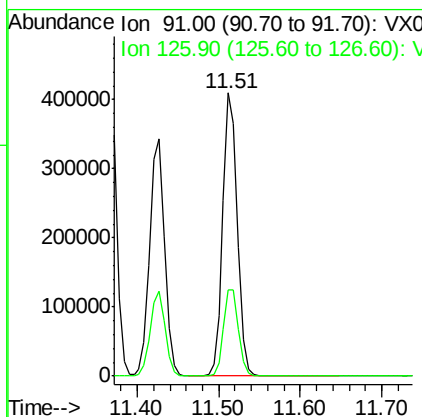
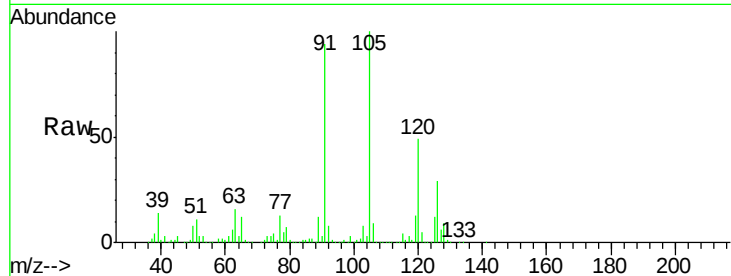
#82
4-Chlorotoluene
Concen: 49.926 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MSD

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.4	46.4

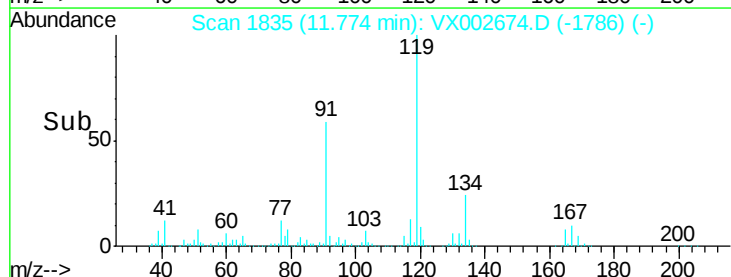
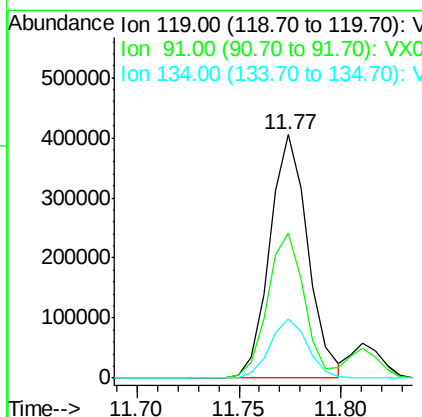
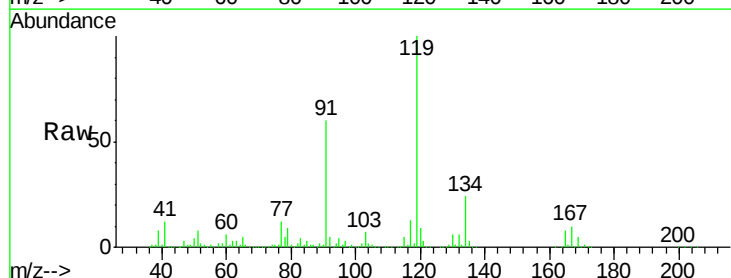
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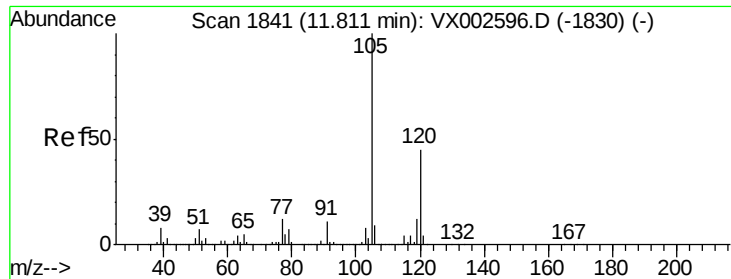
MMDadoda
6/19/2018 1:04:55 PM



#83
tert-Butylbenzene
Concen: 51.235 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Tgt Ion	Ratio	Lower	Upper
119	100		
91	58.0	30.3	90.9
134	23.8	11.7	35.1





#84

1,2,4-Trimethylbenzene

Concen: 50.251 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX002674.D

Acq: 17 Jun 2018 03:22

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-061318MSD

Tot Ion:105 Resp: 547705

Ion Ratio Lower Upper

105 100

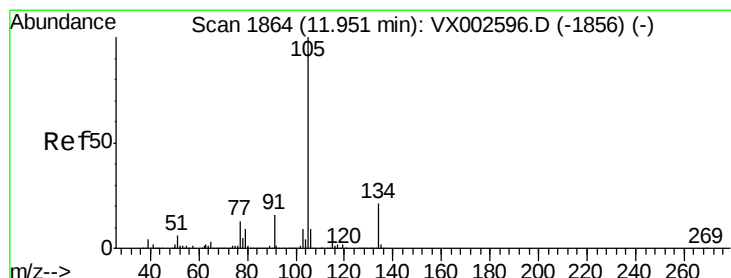
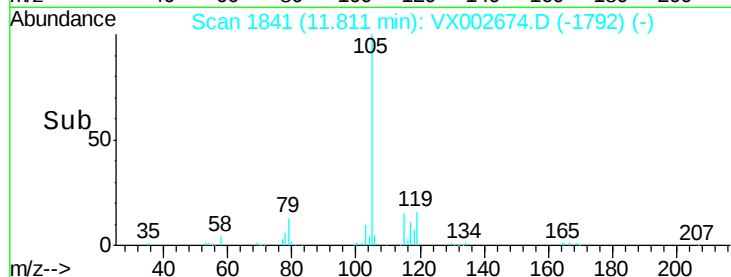
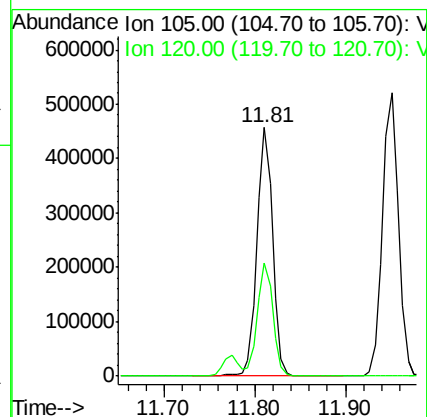
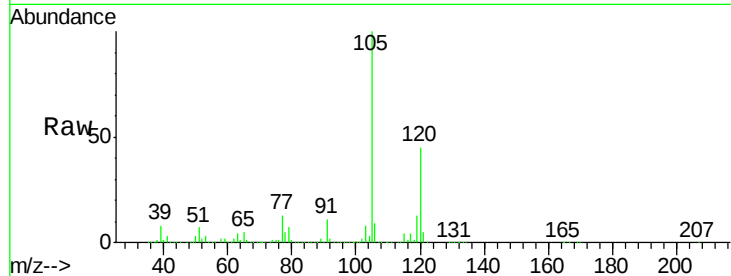
120 45.2 22.3 66.8

Manual Integrations

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6/19/2018 1:04:55 PM



#85

sec-Butylbenzene

Concen: 49.763 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002674.D

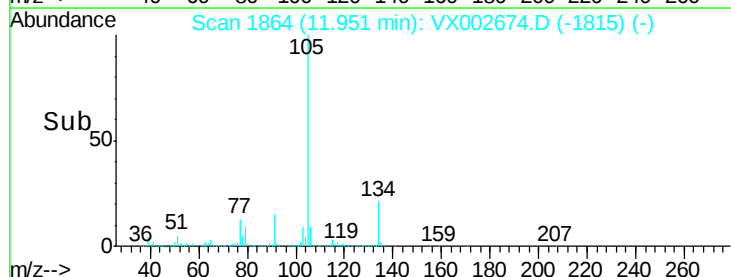
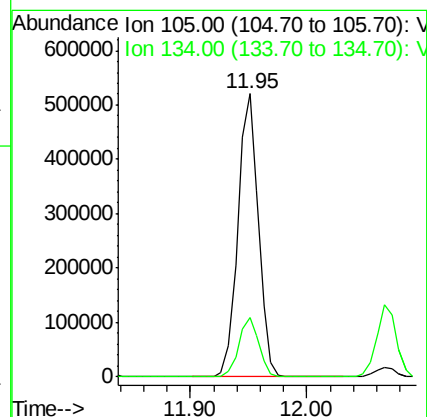
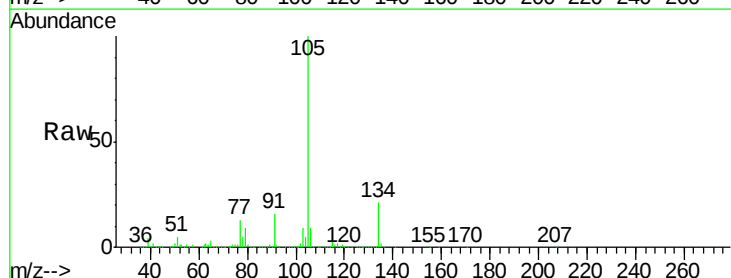
Acq: 17 Jun 2018 03:22

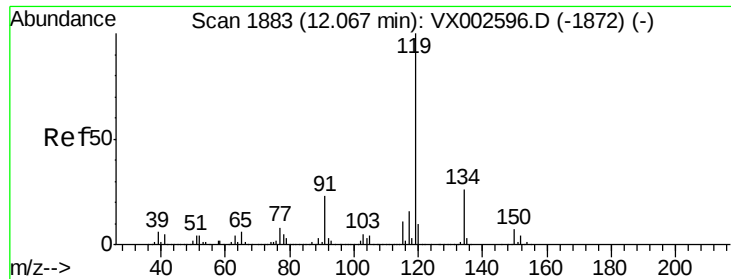
Tgt Ion:105 Resp: 636723

Ion Ratio Lower Upper

105 100

134 20.8 10.4 31.1





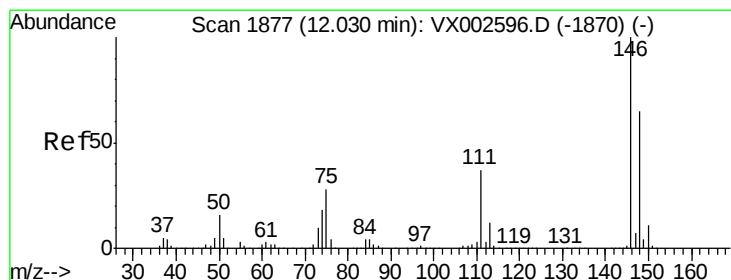
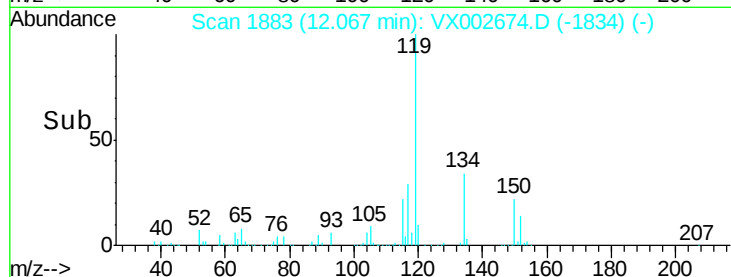
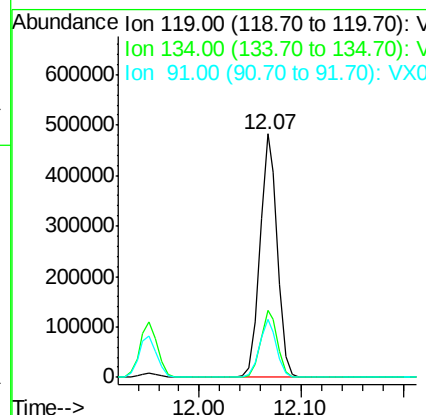
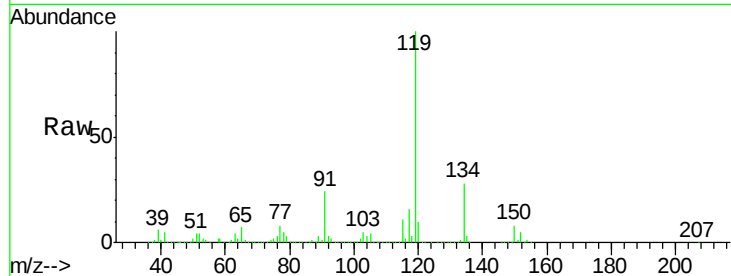
#86
p-Isopropyltoluene
Concen: 49.647 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	574759		
134	27.1		13.4	40.1
91	23.5		11.9	35.7

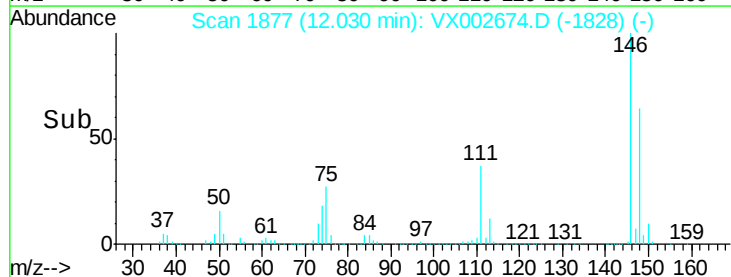
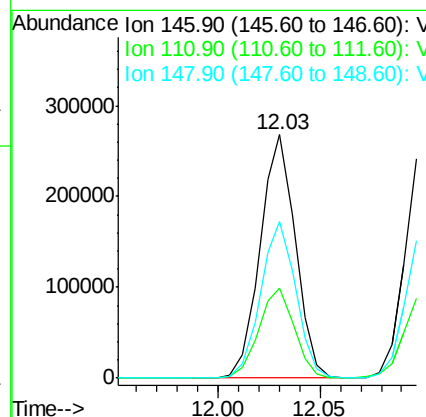
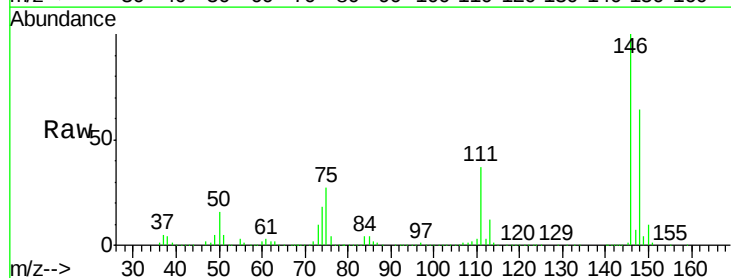
Manual Integrations
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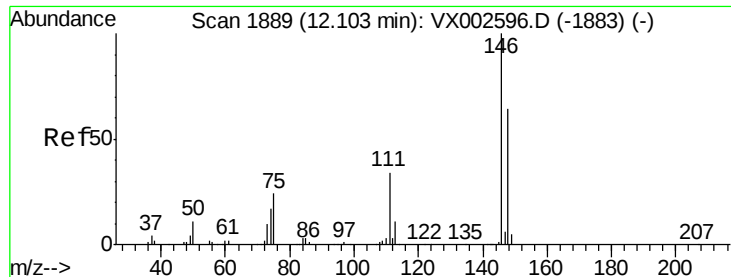
MMDadoda
6/19/2018 1:04:55 PM



#87
1,3-Dichlorobenzene
Concen: 49.942 ug/l
RT: 12.03 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	322504		
111	37.1		18.9	56.7
148	64.0		32.1	96.3





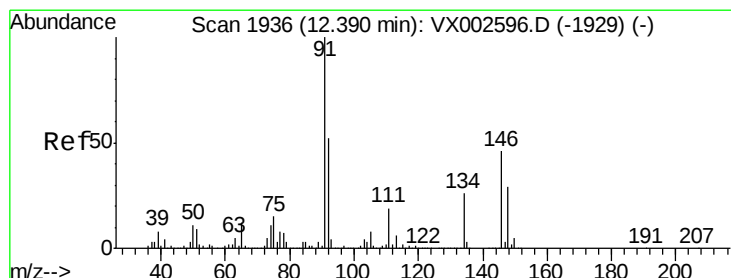
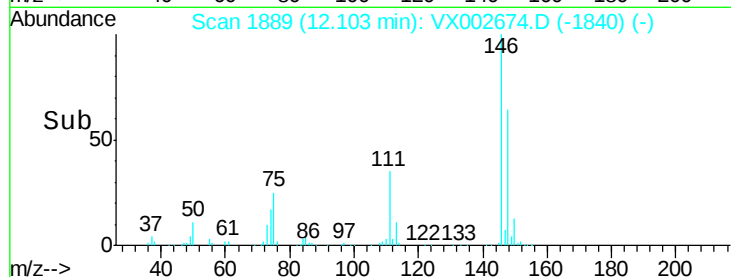
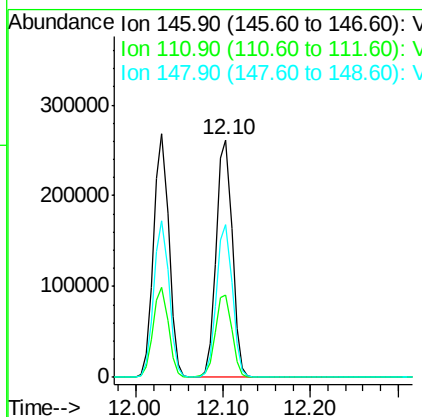
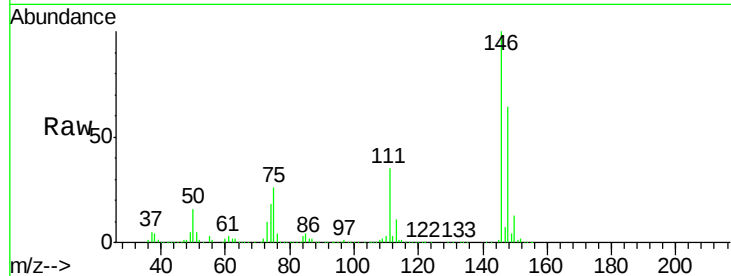
#88
1,4-Dichlorobenzene
Concen: 50.313 ug/l
RT: 12.10 min Scan# 1889
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.7	56.1
148	63.8	32.4	97.0

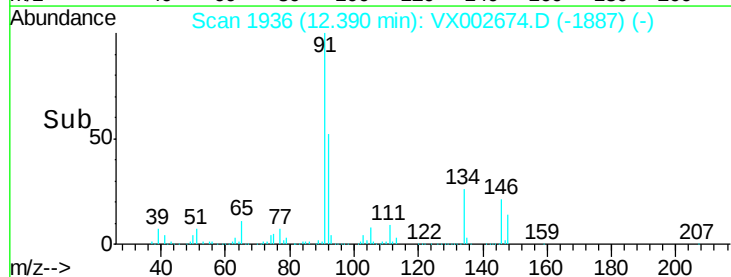
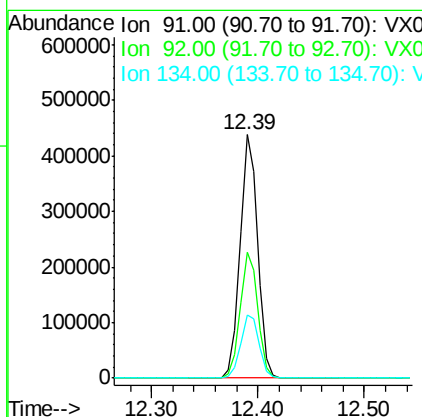
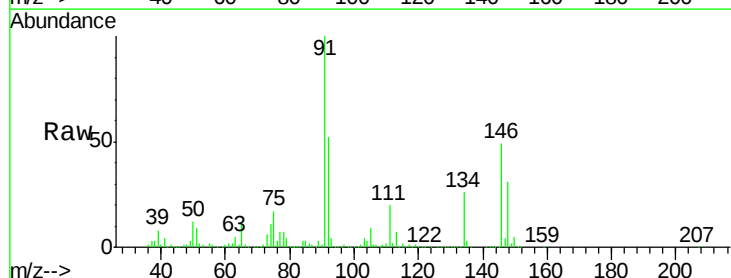
Manual Integrations
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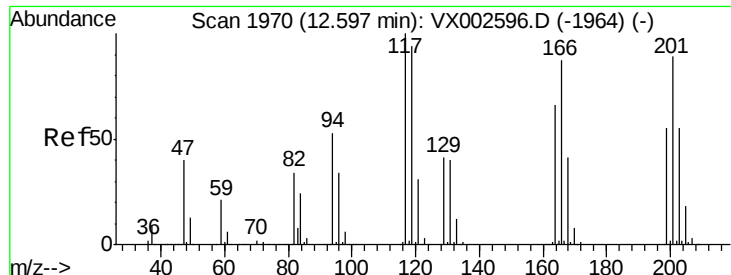
MMDadoda
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#89
n-Butylbenzene
Concen: 49.601 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.0	78.0
134	27.2	13.5	40.5





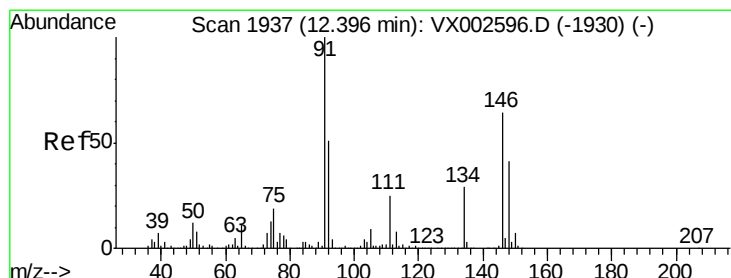
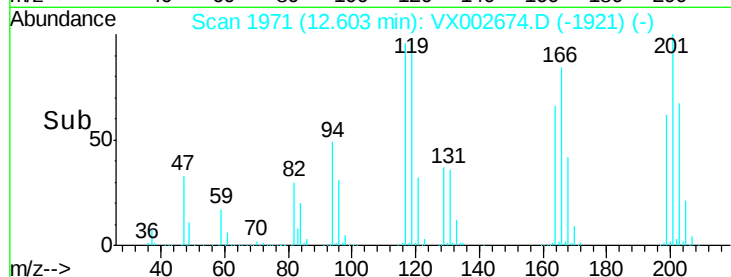
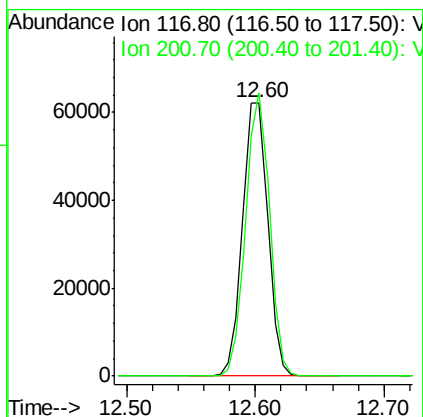
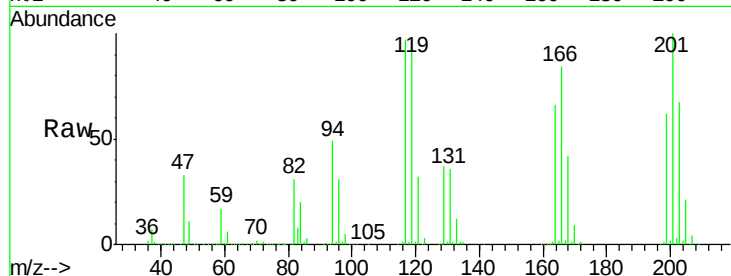
#90
Hexachloroethane
Concen: 46.998 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.01 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-061318MSD

Tot Ion:117 Resp: 84513
Ion Ratio Lower Upper
117 100
201 97.0 49.0 147.0

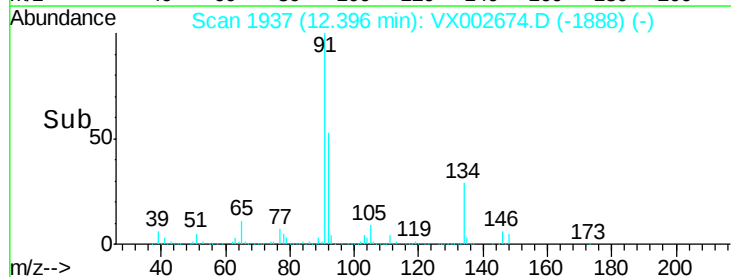
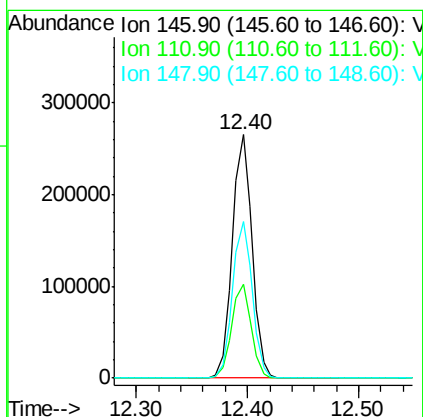
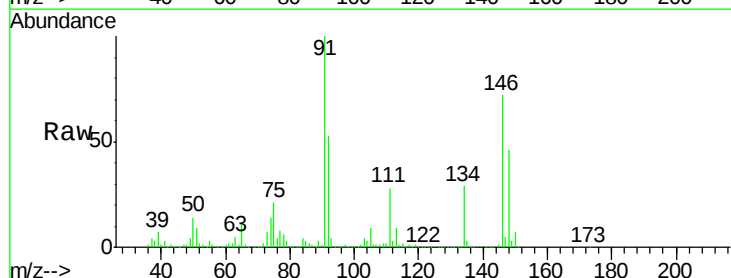
Manual Integrations
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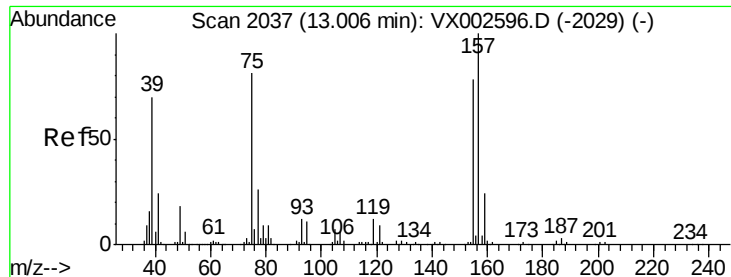
MMDadoda
6/19/2018 1:04:55 PM



#91
1,2-Dichlorobenzene
Concen: 50.004 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX002674.D
Acq: 17 Jun 2018 03:22

Tgt Ion:146 Resp: 324990
Ion Ratio Lower Upper
146 100
111 38.4 19.4 58.1
148 64.5 31.7 95.1





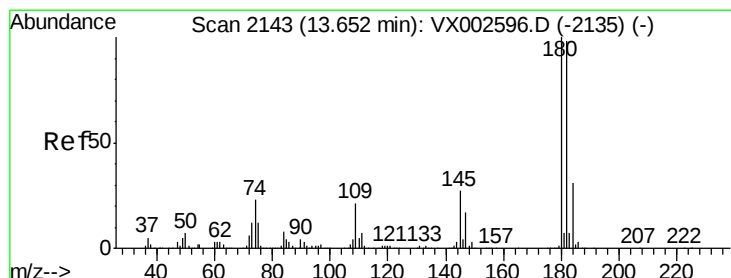
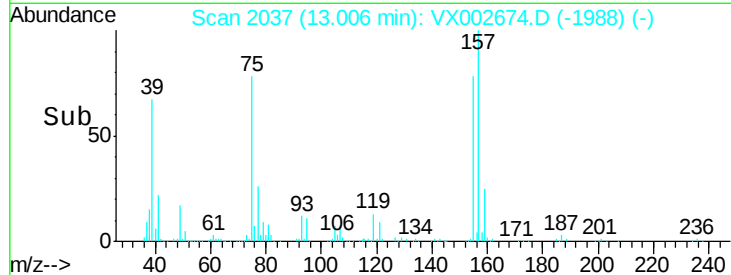
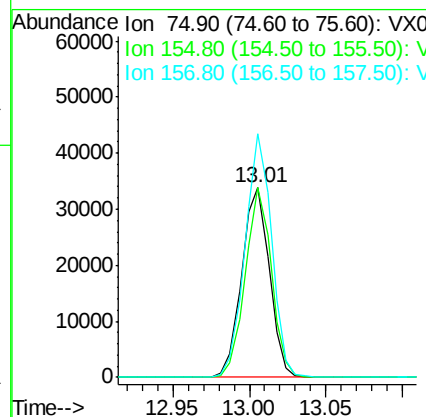
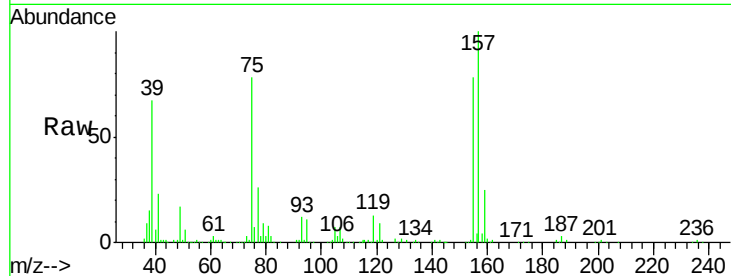
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.088 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX002674.D
 Acq: 17 Jun 2018 03:22

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-061318MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	95.1	45.8	137.4
157	123.2	60.1	180.3

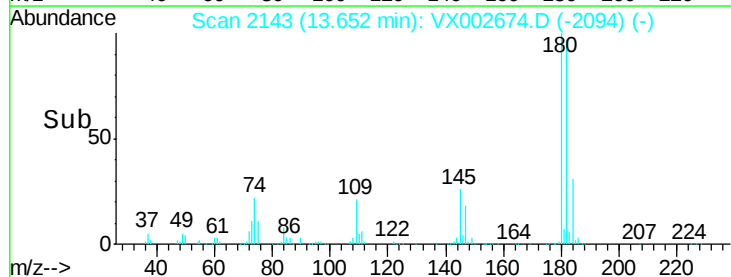
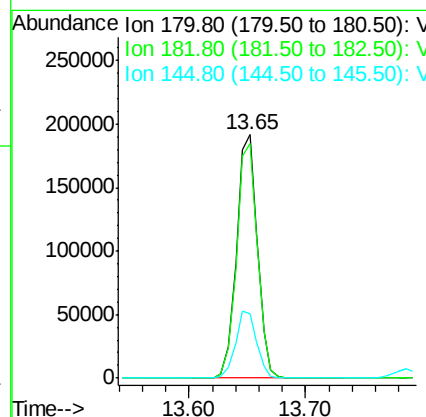
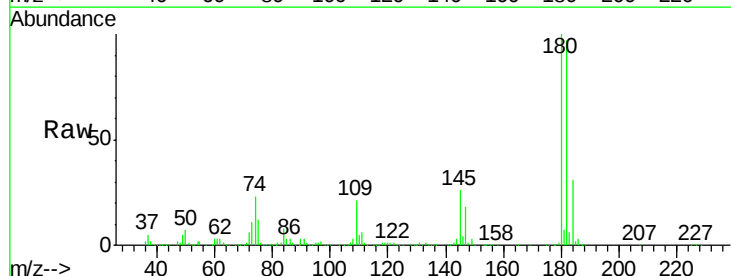
Manual Integrations
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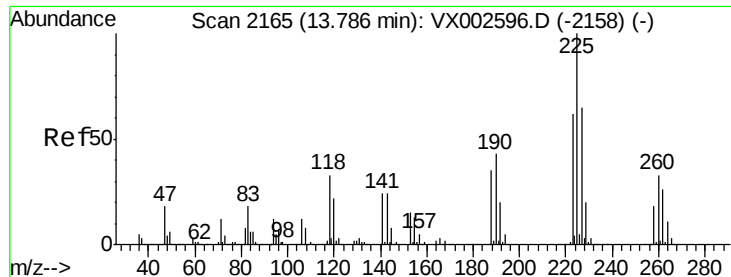
MMDadoda
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#93
 1,2,4-Trichlorobenzene
 Concen: 50.320 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002674.D
 Acq: 17 Jun 2018 03:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.7	143.1
145	27.8	14.1	42.4





#94

Hexachlorobutadiene

Concen: 46.708 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX002674.D

Acq: 17 Jun 2018 03:22

Instrument :

MSVOA_X

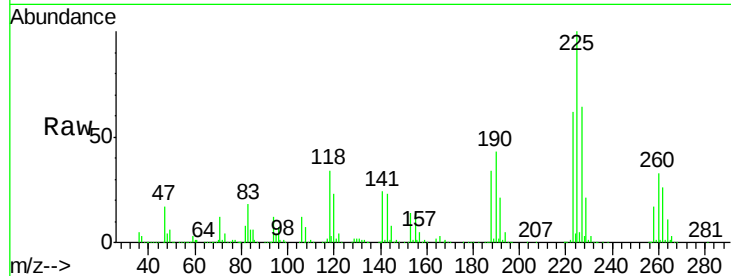
ClientSampleId :

MWHR2-6-061318MSD

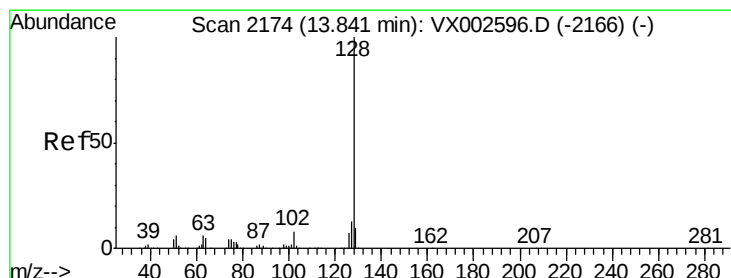
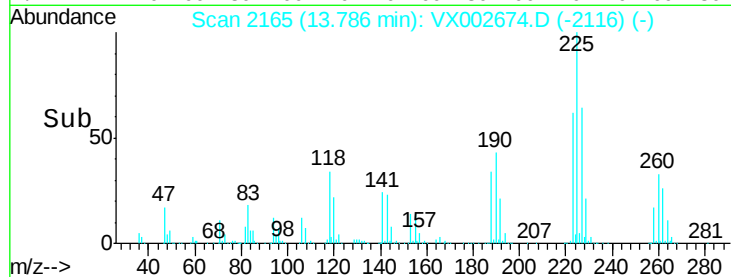
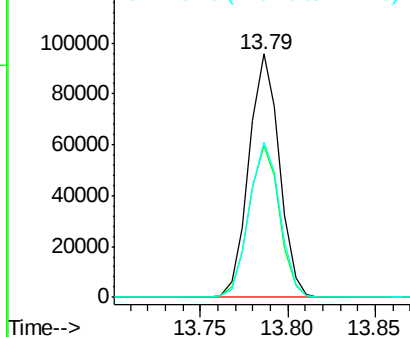
Tot Ion:	225	Resp:	116060
Ion Ratio		Lower	Upper
225	100		
223	62.4	31.6	95.0
227	64.0	32.4	97.2

Manual Integrations
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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 52.681 ug/l

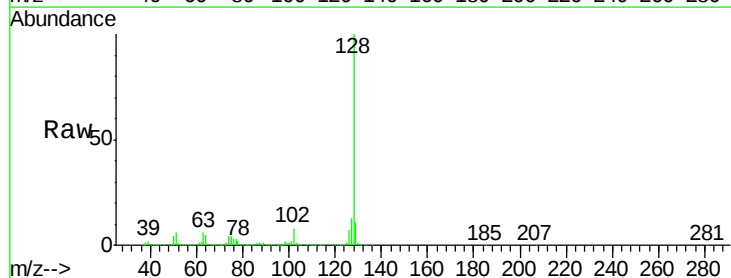
RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

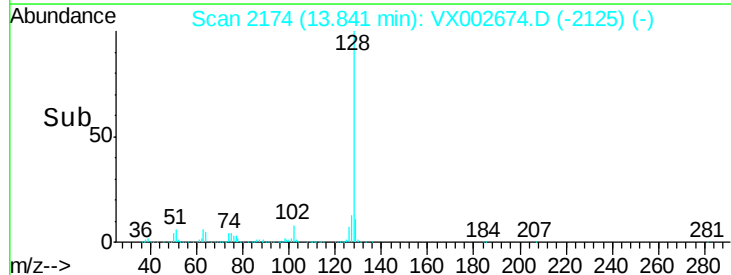
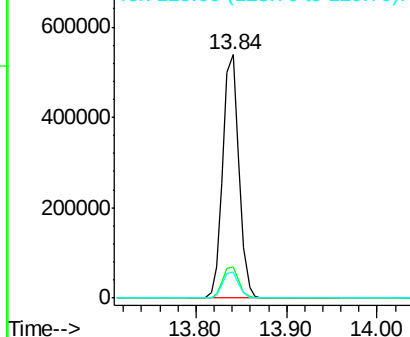
Lab File: VX002674.D

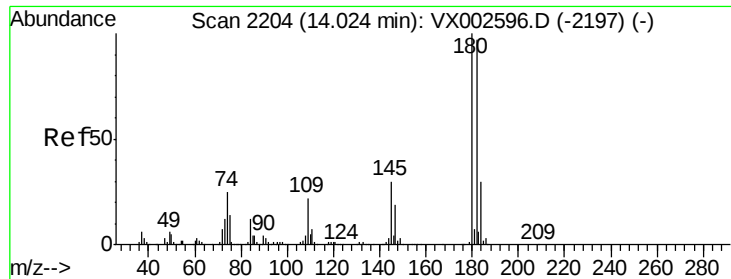
Acq: 17 Jun 2018 03:22

Tgt Ion:	128	Resp:	668678
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	13.0



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: 51.061 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VX002674.D
 Acq: 17 Jun 2018 03:22

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-061318MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	241903		
182	95.5	48.0	144.0	
145	29.5	14.8	44.3	

Manual Integrations
 APPROVED

MMDadoda
 6/19/2018 1:04:55 PM

