

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061618\
 Data File : VX002654.D
 Acq On : 16 Jun 2018 18:32
 Operator : JC/MD
 Sample : VX0616WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0616WBS01

Manual Integrations
 APPROVED

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 6/19/2018 1:04:50 PM

Quant Time: Jun 18 02:08:16 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	154561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	262681	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	261452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	160841	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	144859	61.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.34%	
35) Dibromofluoromethane	5.51	113	109128	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
50) Toluene-d8	8.72	98	389033	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
62) 4-Bromofluorobenzene	11.14	95	148239	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	20379	12.420	ug/l	97
3) Chloromethane	1.32	50	39224	20.096	ug/l	97
4) Vinyl Chloride	1.41	62	36853	18.195	ug/l	94
5) Bromomethane	1.64	94	28564	23.373	ug/l	96
6) Chloroethane	1.72	64	31863	23.868	ug/l	99
7) Trichlorofluoromethane	1.93	101	52821	16.052	ug/l	95
8) Diethyl Ether	2.19	74	31160	24.896	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	25494	13.860	ug/l	98
10) Methyl Iodide	2.51	142	38325	19.020	ug/l	98
11) Tert butyl alcohol	3.08	59	70032m	144.233	ug/l	
12) 1,1-Dichloroethene	2.37	96	32528	18.835	ug/l	97
13) Acrolein	2.30	56	23940	109.148	ug/l	100
14) Allyl chloride	2.73	41	80516	23.481	ug/l	99
15) Acrylonitrile	3.15	53	140323	132.438	ug/l	100
16) Acetone	2.45	43	150392	145.132	ug/l	99
17) Carbon Disulfide	2.57	76	80639	19.687	ug/l	100
18) Methyl Acetate	2.78	43	77207	27.967	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	164914	25.455	ug/l	99
20) Methylene Chloride	2.86	84	49503	23.299	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	41031	21.900	ug/l	96
22) Diisopropyl ether	3.88	45	150403	24.243	ug/l	98
23) Vinyl Acetate	3.83	43	649980	125.178	ug/l	100
24) 1,1-Dichloroethane	3.70	63	75924	22.548	ug/l	100
25) 2-Butanone	4.71	43	189769	139.448	ug/l	99
26) 2,2-Dichloropropane	4.59	77	51663	21.353	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	46277	24.275	ug/l	97
28) Bromochloromethane	5.03	49	37193	23.586	ug/l	98
29) Tetrahydrofuran	5.17	42	119793	134.315	ug/l	98
30) Chloroform	5.22	83	80412	24.765	ug/l	99
31) Cyclohexane	5.58	56	39428	14.222	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	58583	21.572	ug/l	98
36) 1,1-Dichloropropene	5.81	75	44942	16.109	ug/l	96
37) Ethyl Acetate	4.87	43	71939	22.782	ug/l	99
38) Carbon Tetrachloride	5.79	117	45517	16.384	ug/l	99

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Manual Integrations
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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	35911	11.011	ug/l	97
40) Benzene	6.15	78	168597	20.154	ug/l	99
41) Methacrylonitrile	5.07	41	40555	22.747	ug/l	97
42) 1,2-Dichloroethane	6.20	62	73317	22.638	ug/l	99
43) Isopropyl Acetate	6.48	43	112351	21.475	ug/l	99
44) Trichloroethene	7.22	130	45138	18.695	ug/l	93
45) 1,2-Dichloropropane	7.53	63	45675	20.746	ug/l	97
46) Dibromomethane	7.67	93	33558	22.786	ug/l	98
47) Bromodichloromethane	7.90	83	55865	21.507	ug/l	98
48) Methyl methacrylate	7.78	41	58866	22.018	ug/l	97
49) 1,4-Dioxane	7.76	88	24313	480.215	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	383834	114.266	ug/l	99
52) Toluene	8.79	92	106614	19.979	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	64952	20.380	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	59693	20.242	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	49781	23.087	ug/l	96
56) Ethyl methacrylate	9.18	69	71966	21.688	ug/l	97
57) 1,3-Dichloropropane	9.38	76	80535	22.084	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	177821	110.797	ug/l	98
59) 2-Hexanone	9.50	43	295974	116.928	ug/l	100
60) Dibromochloromethane	9.59	129	45941	21.277	ug/l	98
61) 1,2-Dibromoethane	9.68	107	50250	22.502	ug/l	100
64) Tetrachloroethene	9.34	164	47191	16.260	ug/l	98
65) Chlorobenzene	10.14	112	129898	20.231	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	45054	20.582	ug/l	98
67) Ethyl Benzene	10.26	91	202949	18.739	ug/l	98
68) m/p-Xylenes	10.36	106	156460	37.452	ug/l	100
69) o-Xylene	10.70	106	79798	19.442	ug/l	98
70) Styrene	10.71	104	134836	19.975	ug/l	99
71) Bromoform	10.86	173	33683	20.106	ug/l #	100
73) Isopropylbenzene	11.02	105	197383	18.349	ug/l	100
74) N-amyl acetate	6.48	43	112351	21.021	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	73196	23.041	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	64452m	21.236	ug/l	
77) Bromobenzene	11.26	156	62863	20.976	ug/l	97
78) n-propylbenzene	11.37	91	221189	17.929	ug/l	99
79) 2-Chlorotoluene	11.43	91	145304	19.727	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	172844	19.013	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	15625	19.278	ug/l	88
82) 4-Chlorotoluene	11.51	91	169545	19.507	ug/l	99
83) tert-Butylbenzene	11.77	119	160738	18.354	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	183523	19.784	ug/l	100
85) sec-Butylbenzene	11.95	105	182972	16.802	ug/l	99
86) p-Isopropyltoluene	12.07	119	170365	17.291	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	108148	19.678	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	111700	19.975	ug/l	99
89) n-Butylbenzene	12.39	91	138569	15.942	ug/l	99
90) Hexachloroethane	12.60	117	23052	16.846	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	121837	22.026	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	14751	22.169	ug/l	98

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ClientSampleId :
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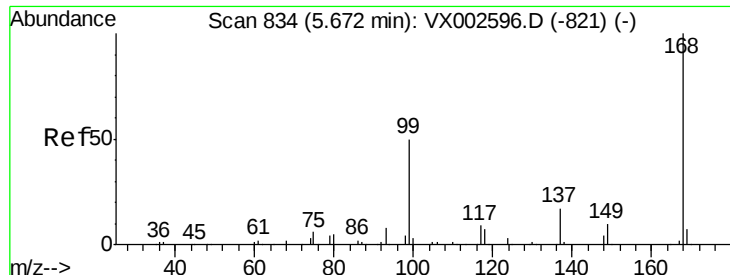
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	76801	19.130	ug/l	98
94) Hexachlorobutadiene	13.79	225	30230	14.295	ug/l	100
95) Naphthalene	13.84	128	236081	21.854	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	82479	20.456	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0616WBS01

Tot Ion:168 Resp: 154561

Ion Ratio Lower Upper

168 100

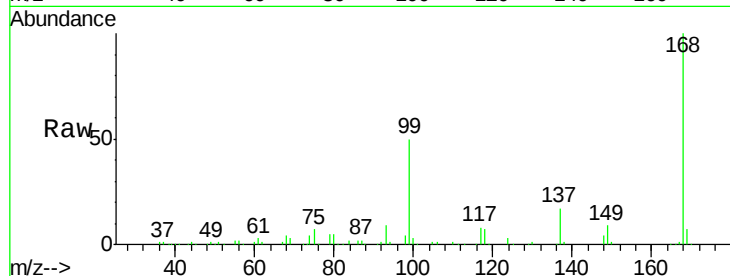
99 49.5 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

50000

40000

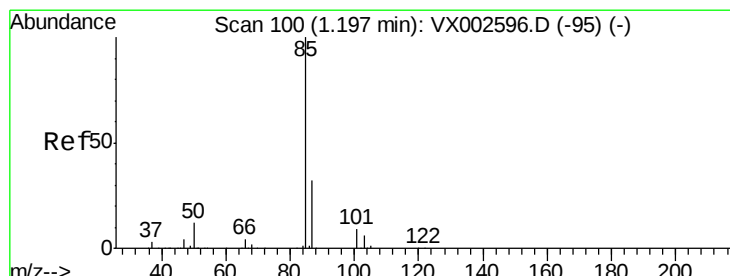
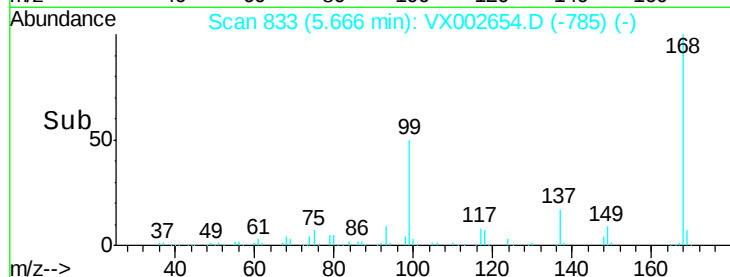
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 12.420 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002654.D

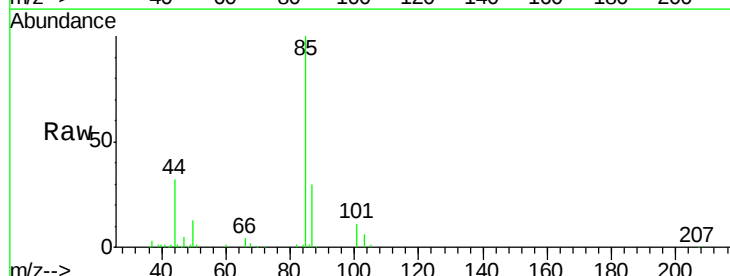
Acq: 16 Jun 2018 18:32

Tgt Ion: 85 Resp: 20379

Ion Ratio Lower Upper

85 100

87 30.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

25000

20000

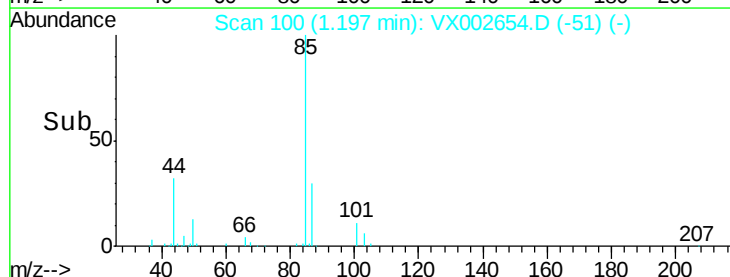
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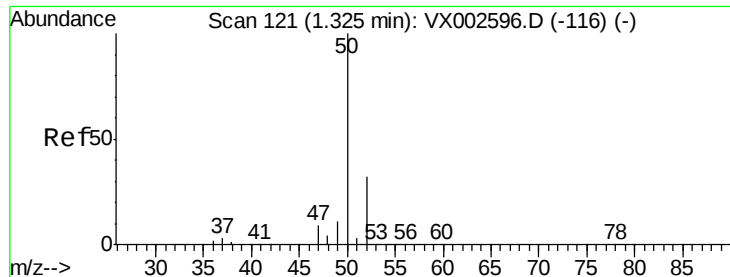
10000

5000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 20.096 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0616WBS01

Tot Ion: 50 Resp: 39224

Ion Ratio Lower Upper

50 100

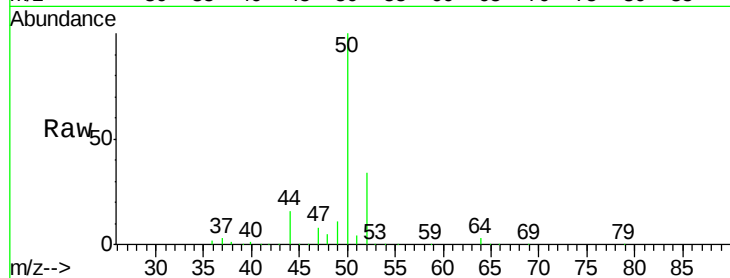
52 33.7 25.7 38.5

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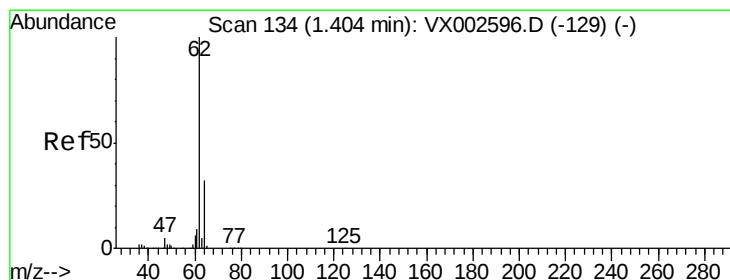
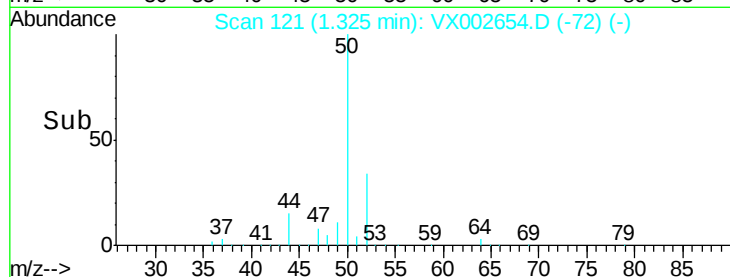
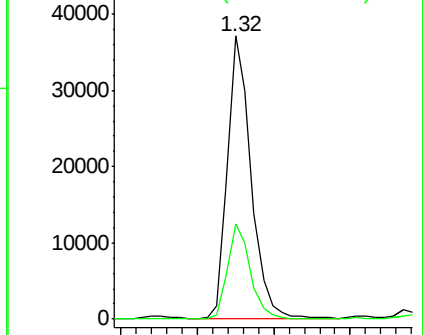
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.195 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002654.D

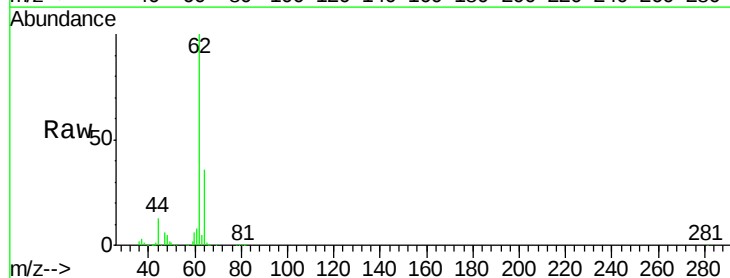
Acq: 16 Jun 2018 18:32

Tgt Ion: 62 Resp: 36853

Ion Ratio Lower Upper

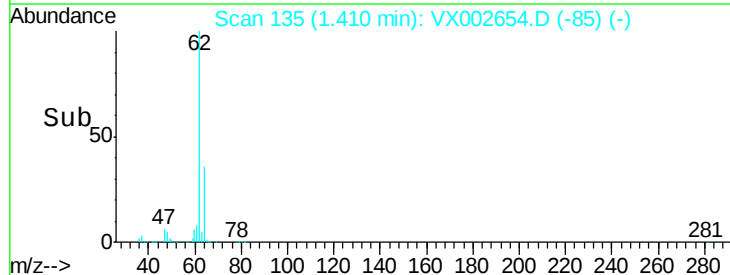
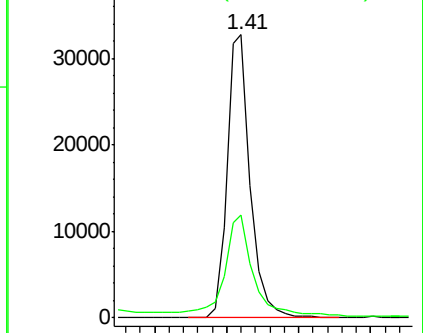
62 100

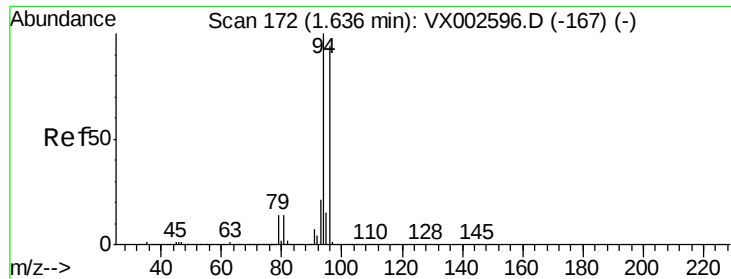
64 35.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 23.373 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0616WBS01

Tot Ion: 94 Resp: 28564

Ion Ratio Lower Upper

94 100

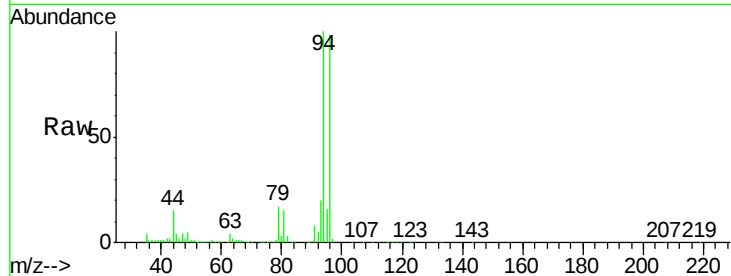
96 97.7 74.9 112.3

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

30000

25000

20000

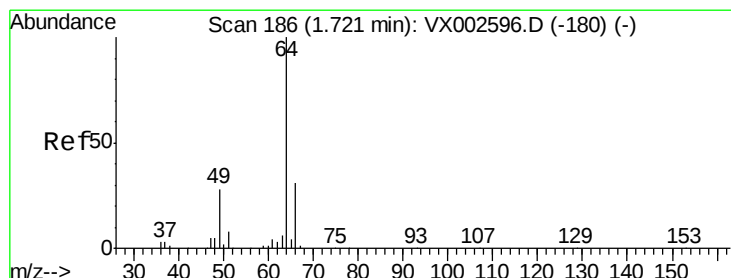
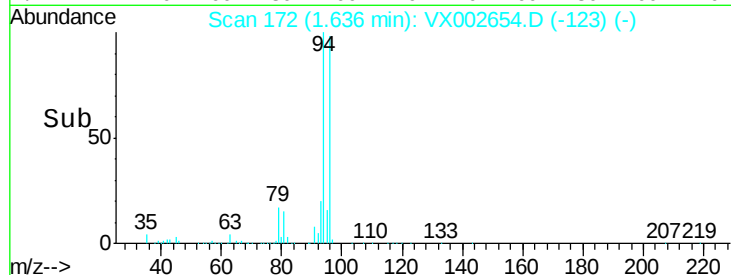
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 23.868 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX002654.D

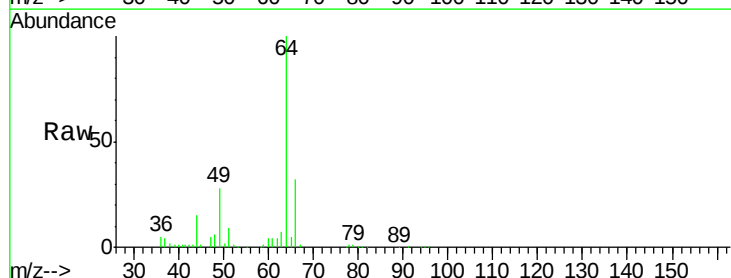
Acq: 16 Jun 2018 18:32

Tgt Ion: 64 Resp: 31863

Ion Ratio Lower Upper

64 100

66 32.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

25000

20000

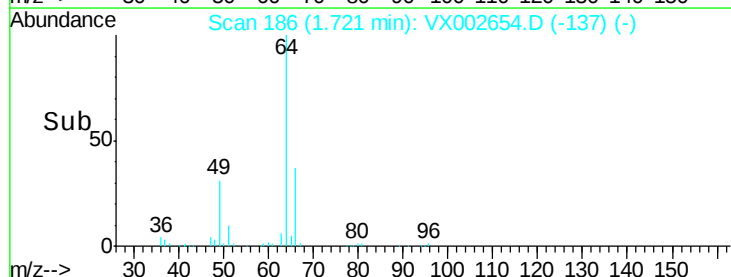
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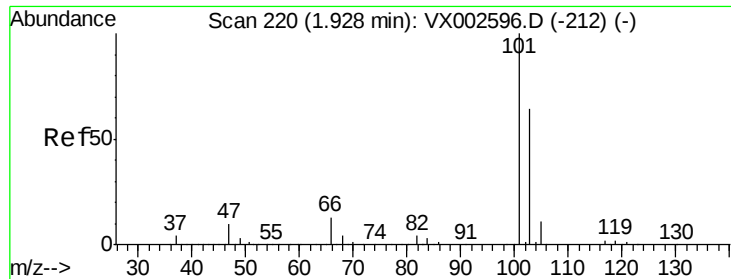
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5000

0

Time-->





#7

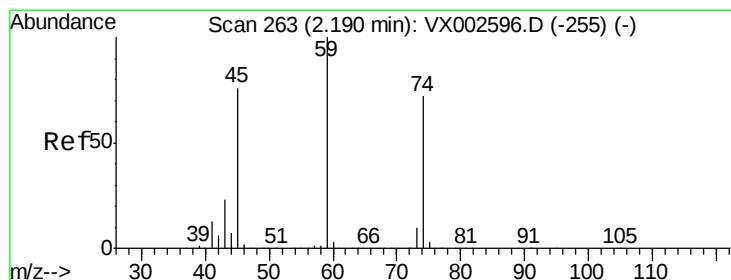
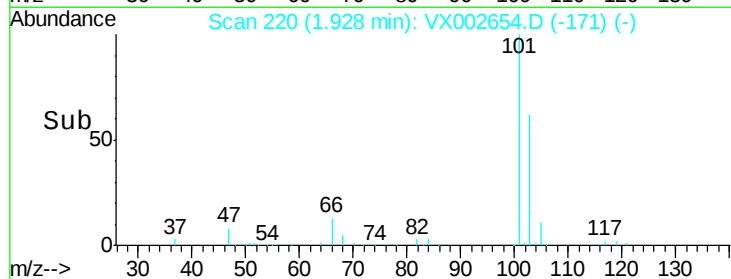
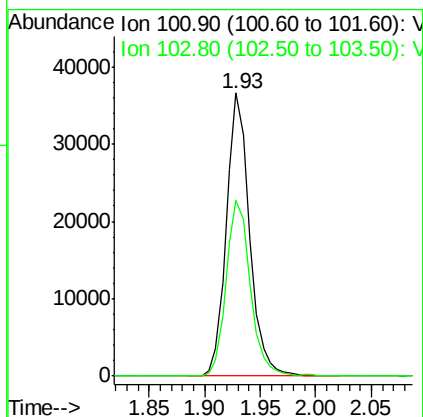
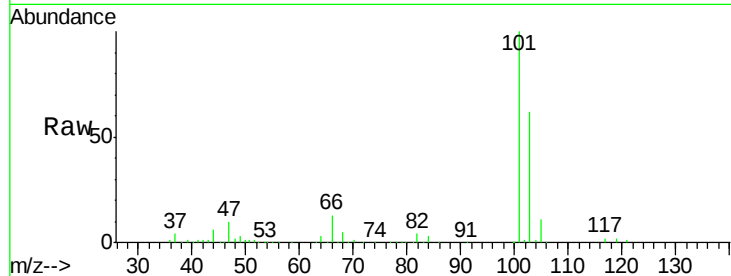
Trichlorofluoromethane
 Concen: 16.052 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VX002654.D
 Acq: 16 Jun 2018 18:32

Instrument :
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 VX0616WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	52.8	79.2

Manual Integrations
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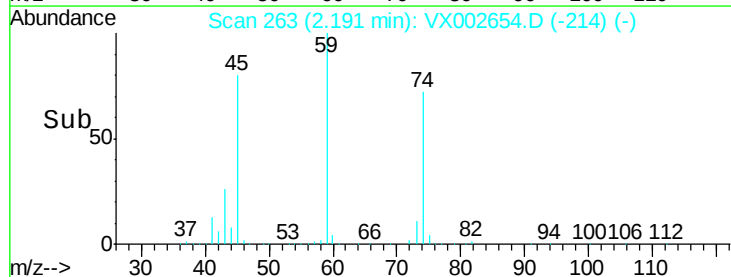
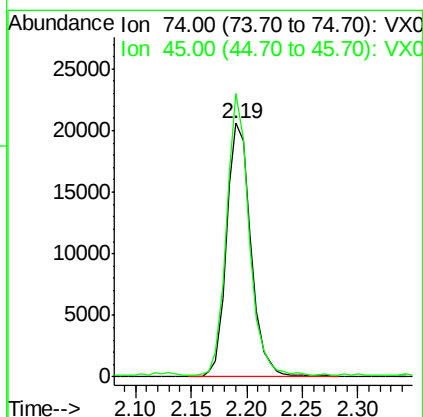
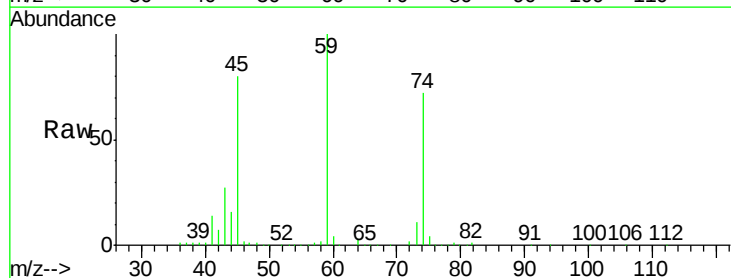
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#8

Diethyl Ether
 Concen: 24.896 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002654.D
 Acq: 16 Jun 2018 18:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.7	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 13.860 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Instrument :

MSVOA_X

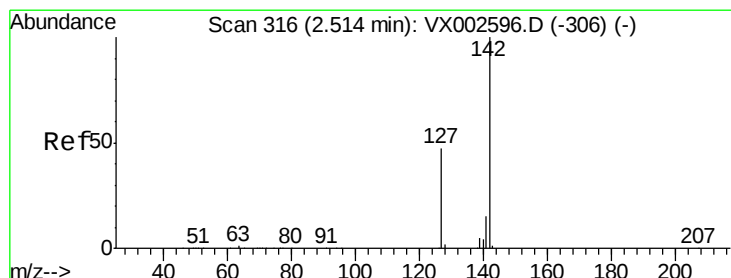
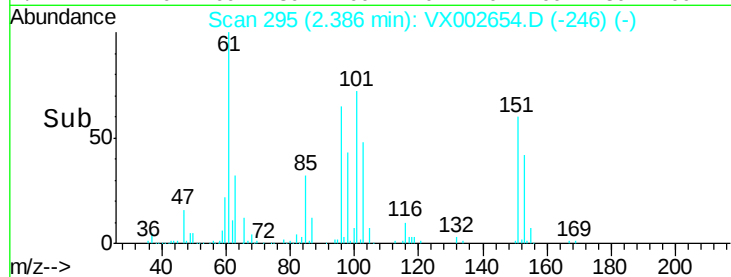
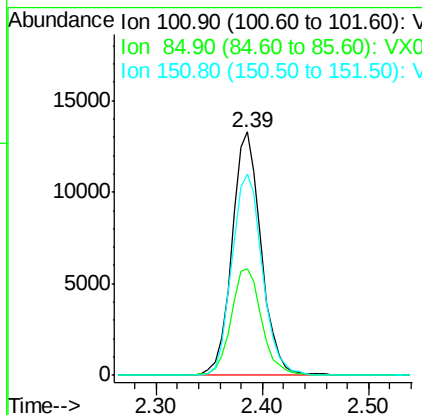
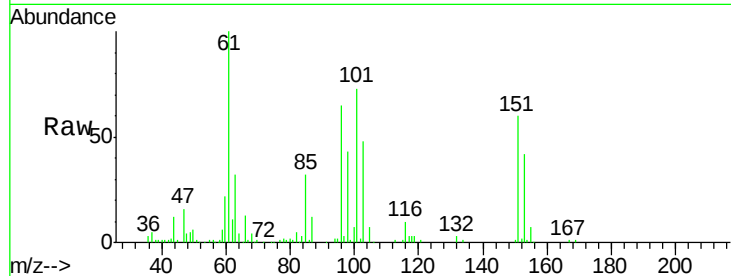
ClientSampleId :

VX0616WBS01

Tot Ion:	101	Resp:	25494
Ion Ratio	Lower	Upper	
101	100		
85	46.0	36.0	54.0
151	86.7	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 19.020 ug/l

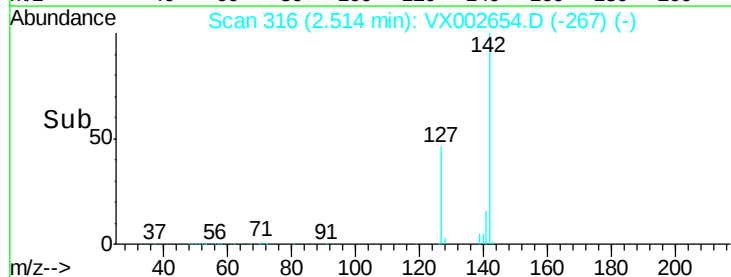
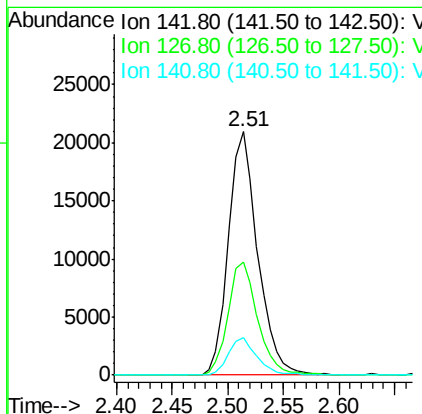
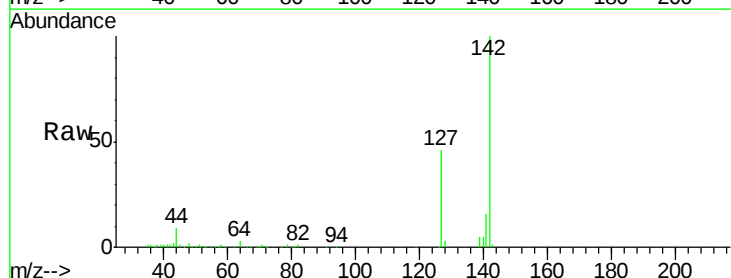
RT: 2.51 min Scan# 316

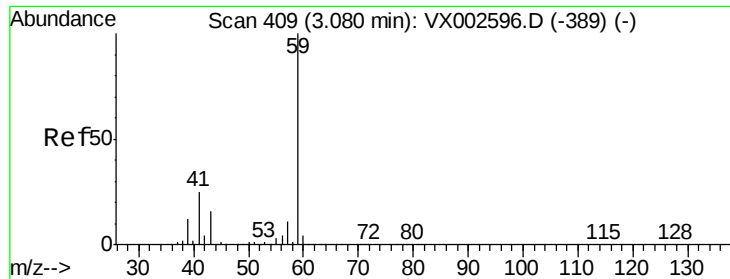
Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Tgt Ion:	142	Resp:	38325
Ion Ratio	Lower	Upper	
142	100		
127	47.0	36.6	55.0
141	15.0	11.3	16.9





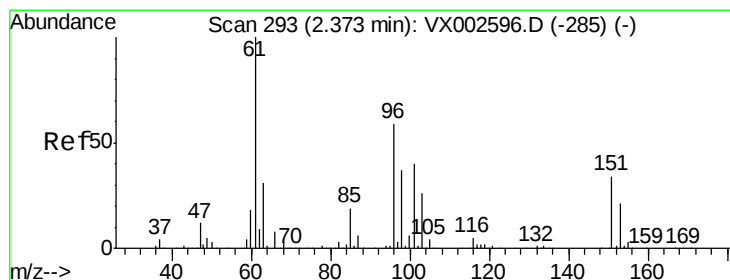
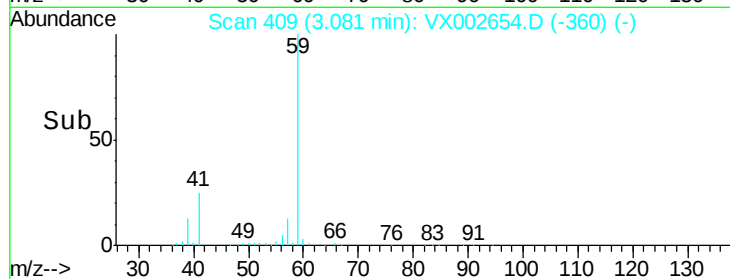
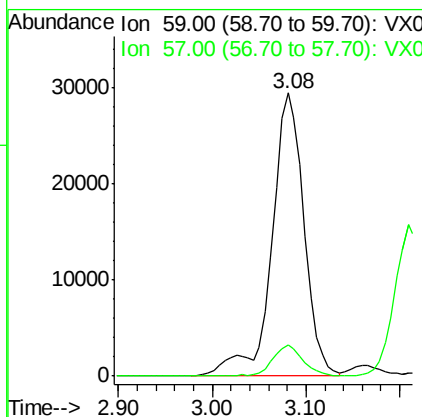
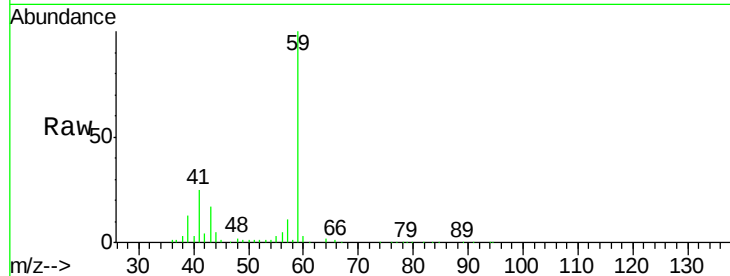
#11
Tert butyl alcohol
Concen: 144.233 ug/l m
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX002654.D
Acq: 16 Jun 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBS01

Tot Ion: 59 Resp: 70032
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.2

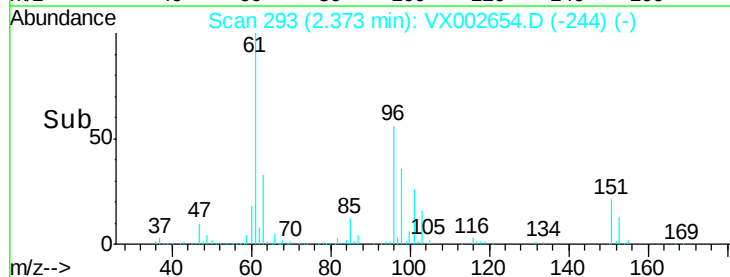
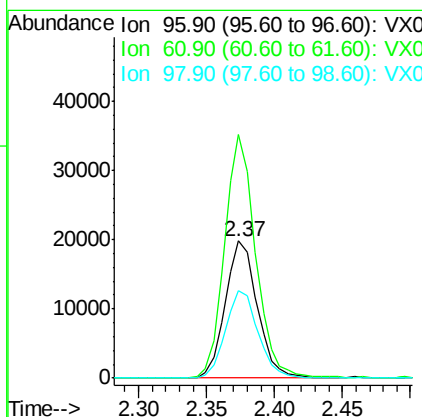
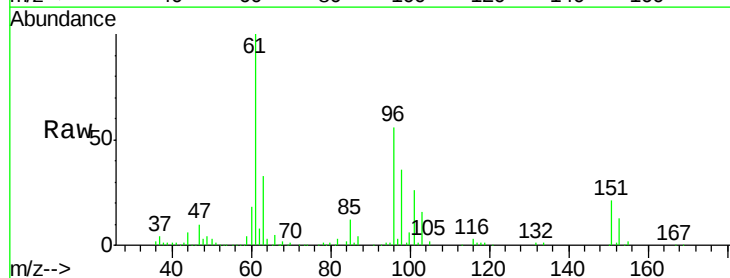
Manual Integrations
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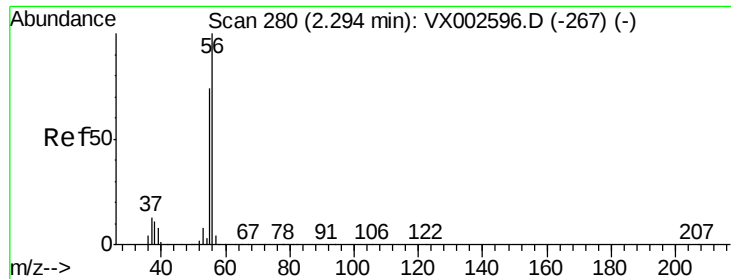
MMDadoda
6/19/2018 1:04:50 PM



#12
1,1-Dichloroethene
Concen: 18.835 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX002654.D
Acq: 16 Jun 2018 18:32

Tgt Ion: 96 Resp: 32528
Ion Ratio Lower Upper
96 100
61 177.3 137.9 206.9
98 64.1 51.6 77.4





#13

Acrolein

Concen: 109.148 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0616WBS01

Tot Ion: 56 Resp: 23940

Ion Ratio Lower Upper

56 100

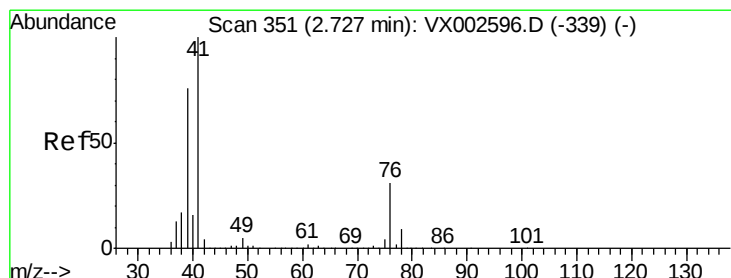
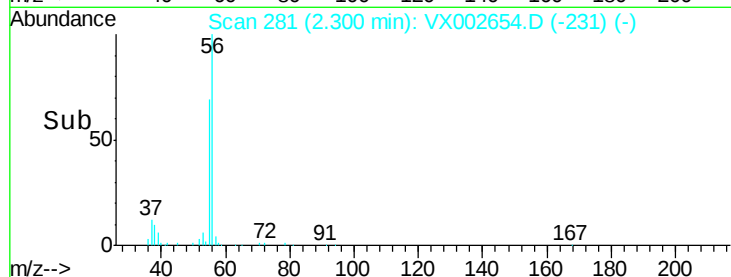
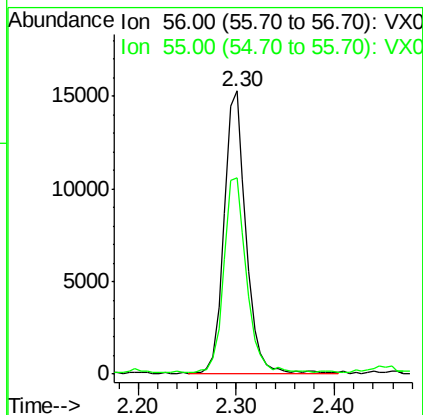
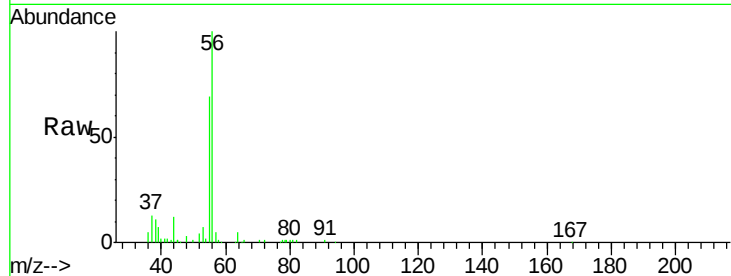
55 71.0 57.0 85.4

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#14

Allyl chloride

Concen: 23.481 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

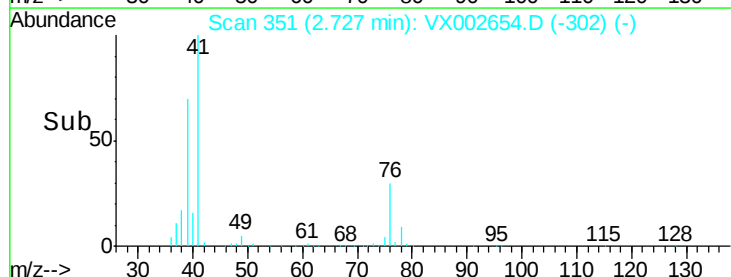
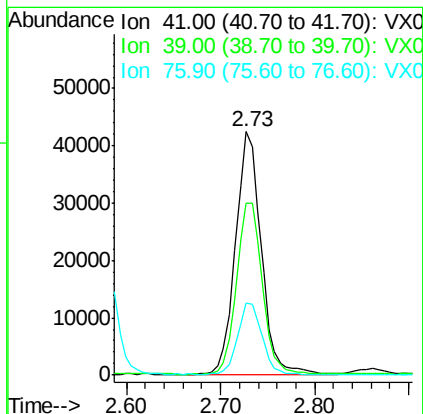
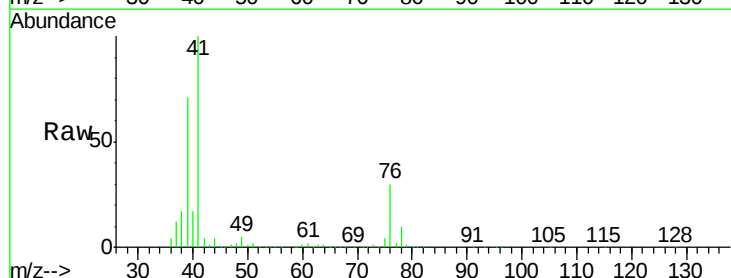
Tgt Ion: 41 Resp: 80516

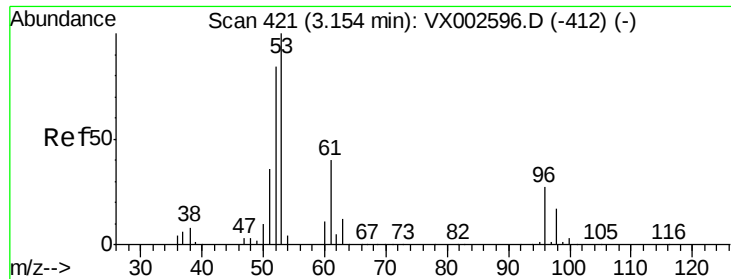
Ion Ratio Lower Upper

41 100

39 71.7 56.8 85.2

76 28.9 23.8 35.8





#15

Acrylonitrile

Concen: 132.438 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Instrument :

MSVOA_X

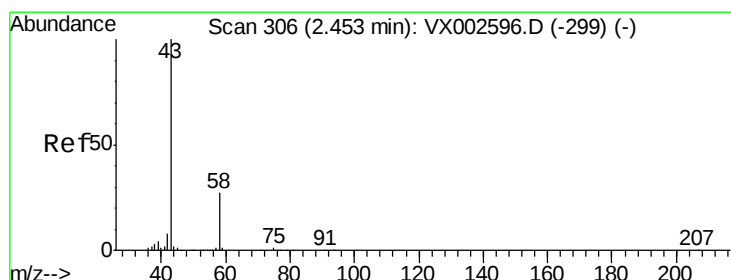
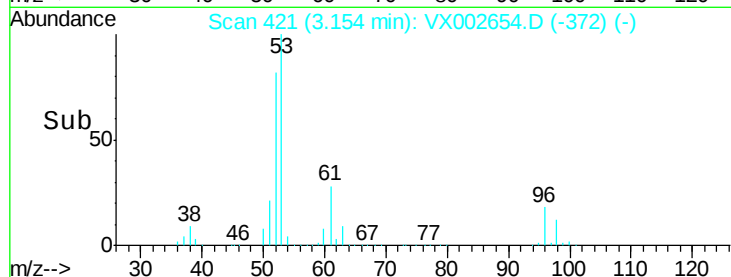
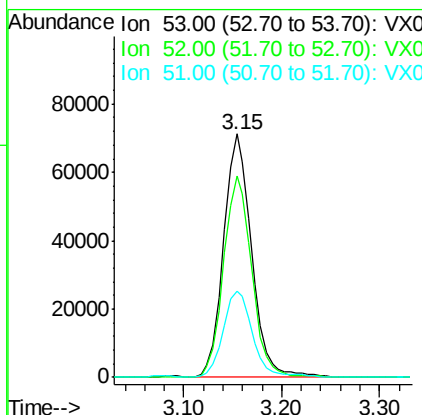
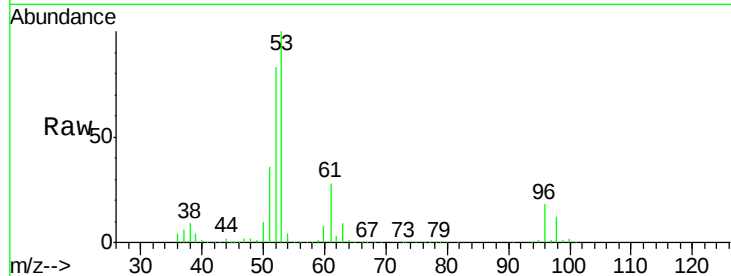
ClientSampleId :

VX0616WBS01

Tot Ion:	53	Resp:	140323
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.7	100.1
51	37.4	29.9	44.9

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#16

Acetone

Concen: 145.132 ug/l

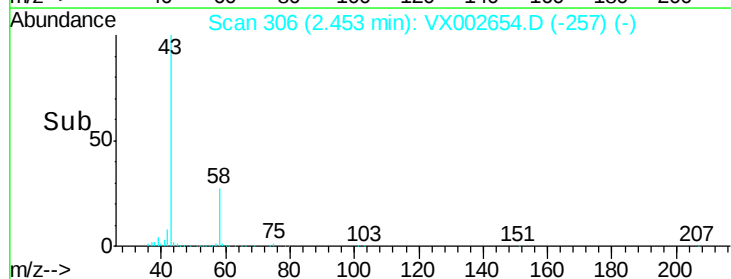
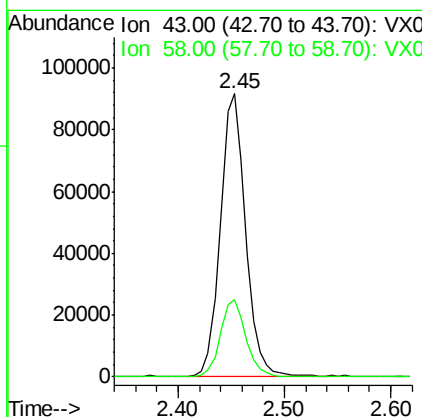
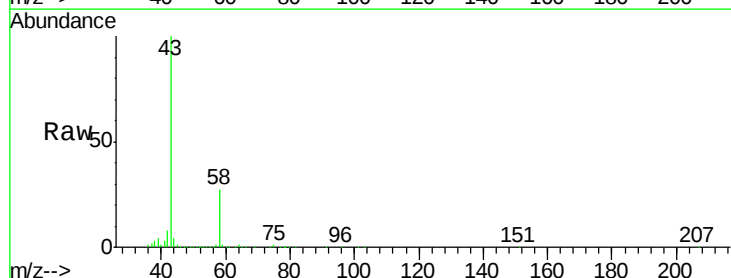
RT: 2.45 min Scan# 306

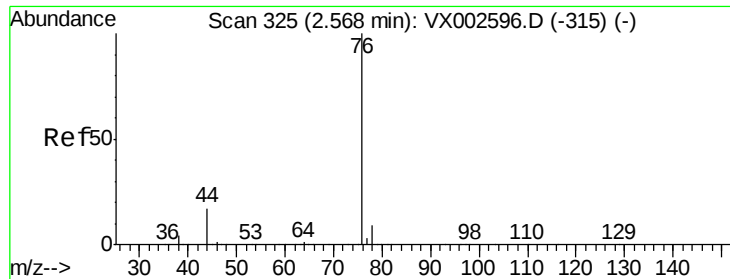
Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Tgt Ion:	43	Resp:	150392
Ion Ratio	Lower	Upper	
43	100		
58	27.3	22.1	33.1





#17

Carbon Disulfide

Concen: 19.687 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0616WBS01

Tot Ion: 76 Resp: 80639

Ion Ratio Lower Upper

76 100

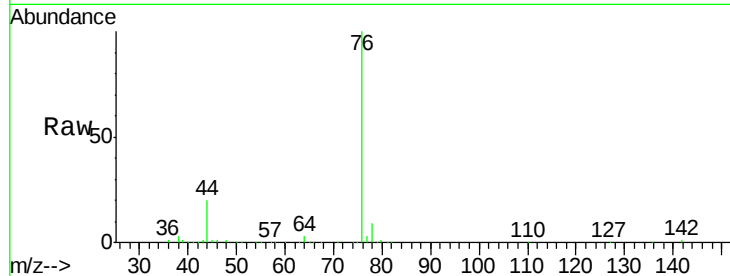
78 8.7 6.9 10.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

50000

40000

30000

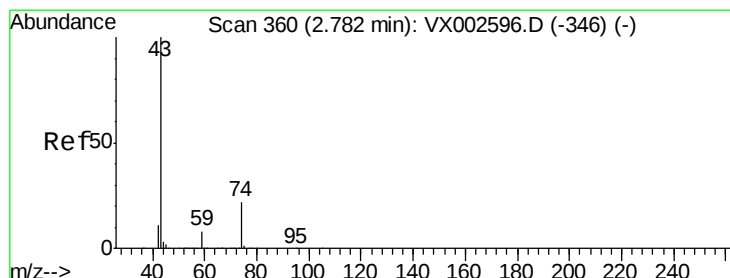
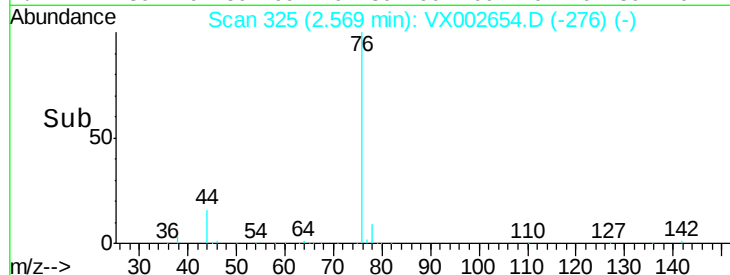
20000

10000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#18

Methyl Acetate

Concen: 27.967 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002654.D

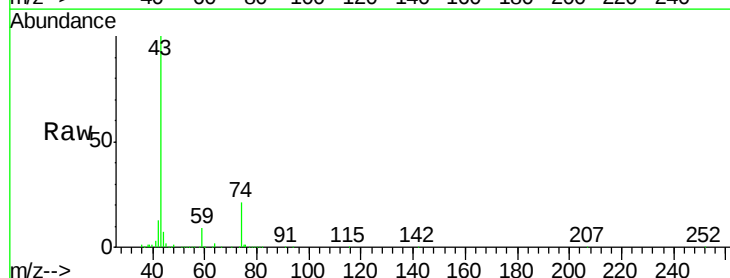
Acq: 16 Jun 2018 18:32

Tgt Ion: 43 Resp: 77207

Ion Ratio Lower Upper

43 100

74 21.6 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

50000

40000

30000

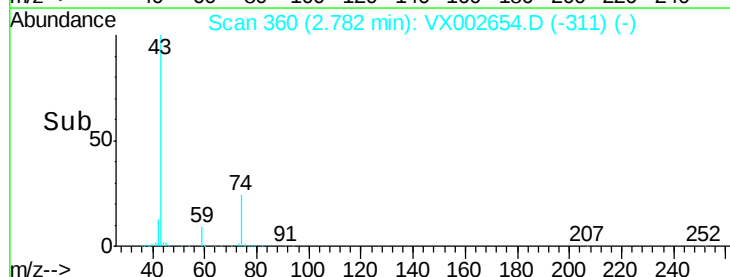
20000

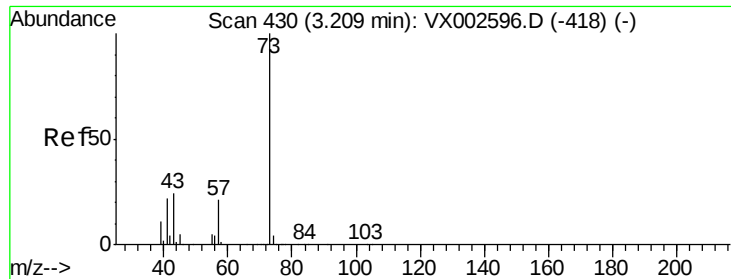
10000

0

Time-->

2.70 2.75 2.80 2.85





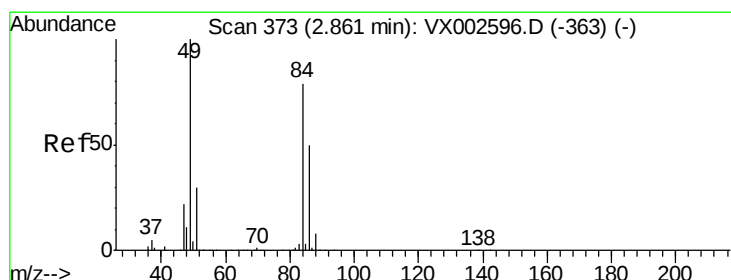
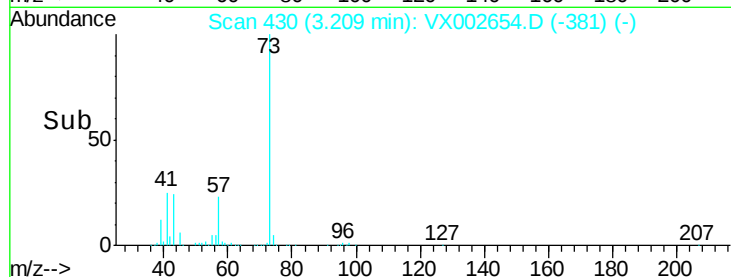
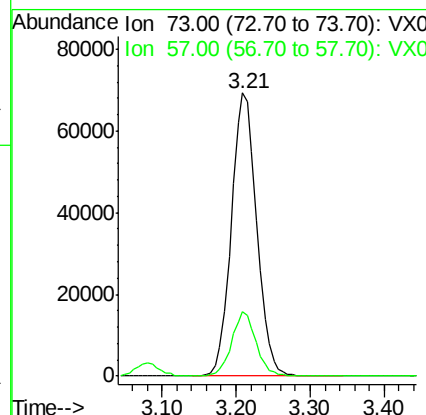
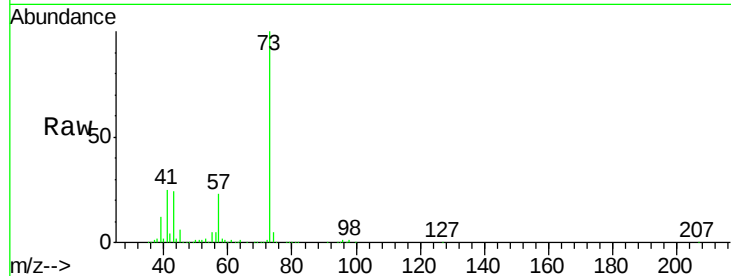
#19
Methyl tert-butyl Ether
Concen: 25.455 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002654.D
Acq: 16 Jun 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBS01

Tot Ion: 73 Resp: 164914
Ion Ratio Lower Upper
73 100
57 22.7 17.7 26.5

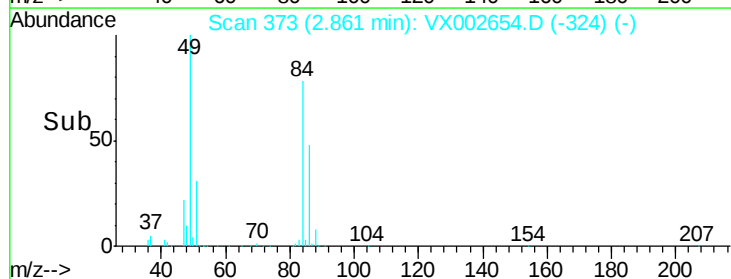
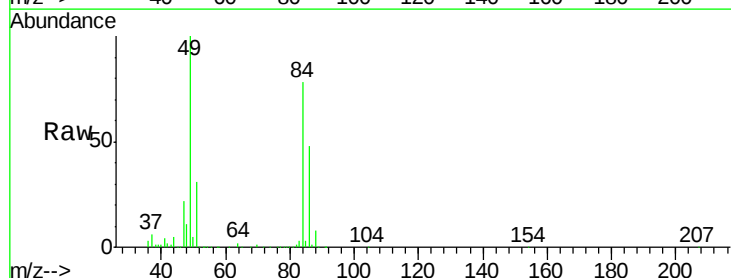
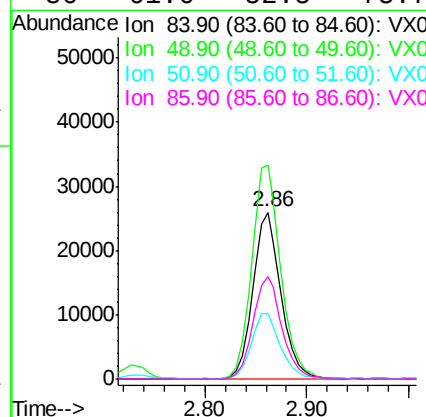
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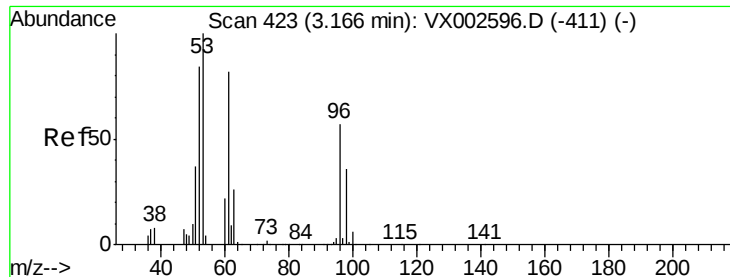
MMDadoda
6/19/2018 1:04:50 PM



#20
Methylene Chloride
Concen: 23.299 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002654.D
Acq: 16 Jun 2018 18:32

Tgt Ion: 84 Resp: 49503
Ion Ratio Lower Upper
84 100
49 127.9 107.8 161.6
51 39.0 32.8 49.2
86 61.6 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 21.900 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Instrument :

MSVOA_X

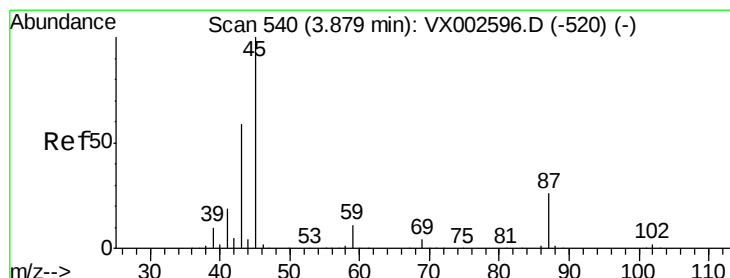
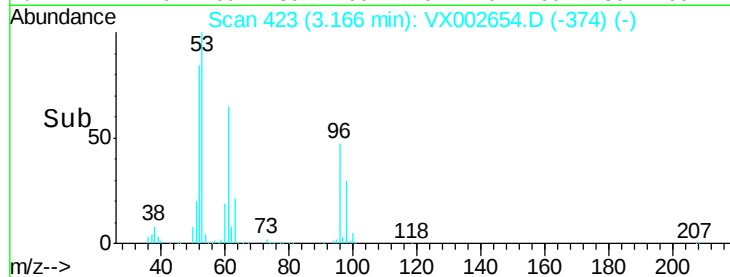
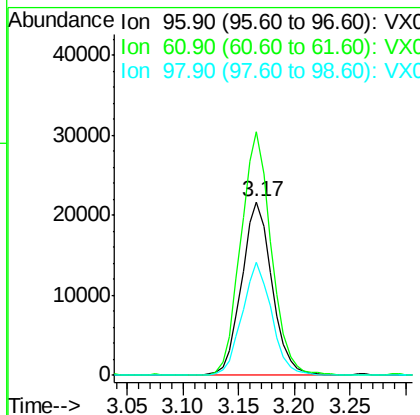
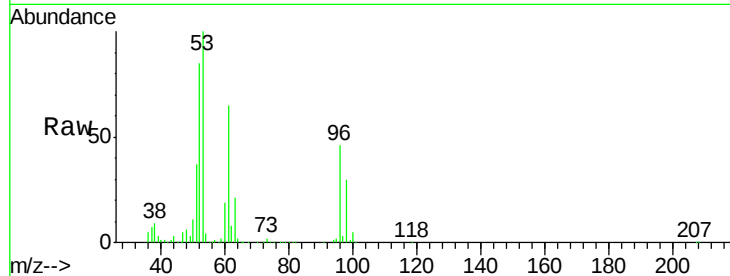
ClientSampleId :

VX0616WBS01

Tot Ion:	96	Resp:	41031
Ion	Ratio	Lower	Upper
96	100		
61	140.2	117.0	175.4
98	64.9	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 24.243 ug/l

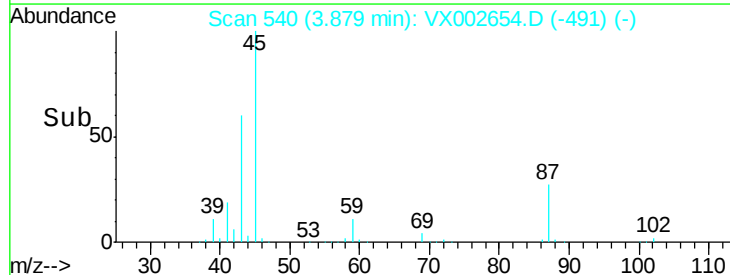
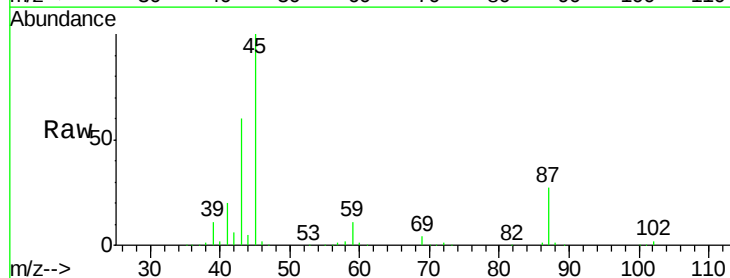
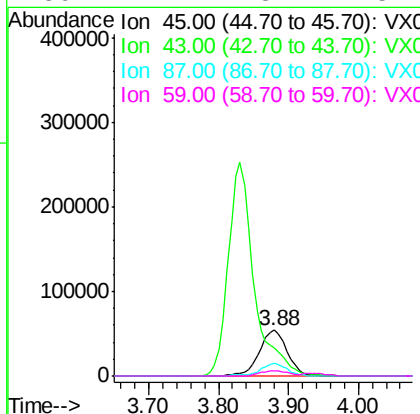
RT: 3.88 min Scan# 540

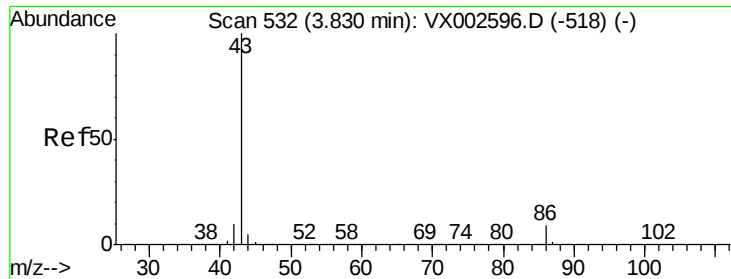
Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Tgt Ion:	45	Resp:	150403
Ion	Ratio	Lower	Upper
45	100		
43	60.0	46.8	70.2
87	27.2	20.2	30.4
59	11.1	8.7	13.1





#23

Vinyl Acetate

Concen: 125.178 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0616WBS01

Tot Ion: 43 Resp: 649980

Ion Ratio Lower Upper

43 100

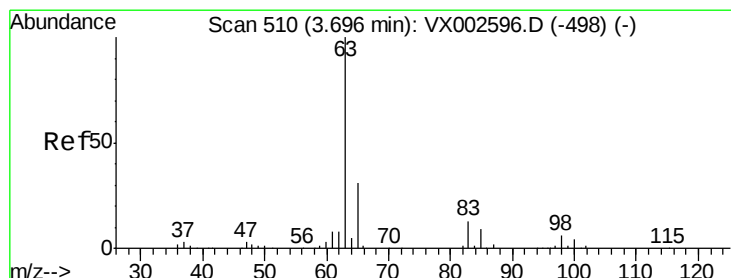
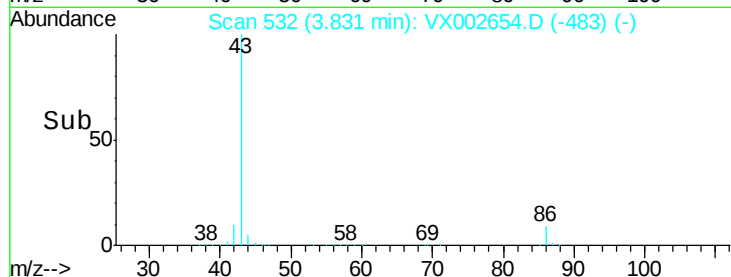
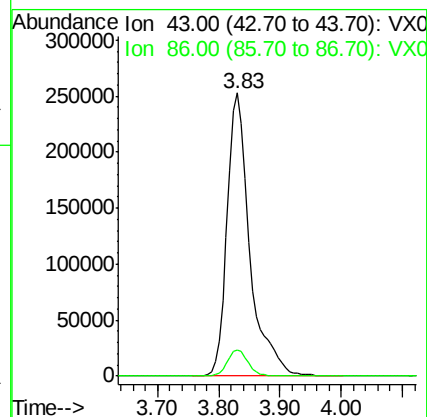
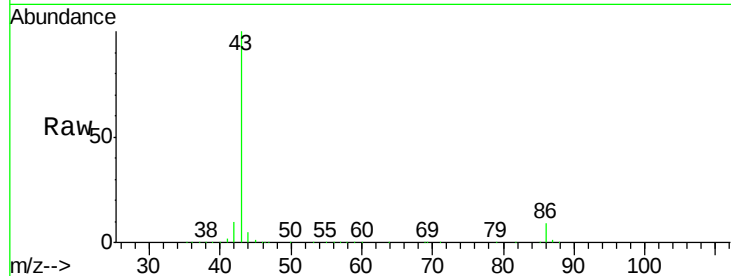
86 9.3 7.4 11.0

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#24

1,1-Dichloroethane

Concen: 22.548 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

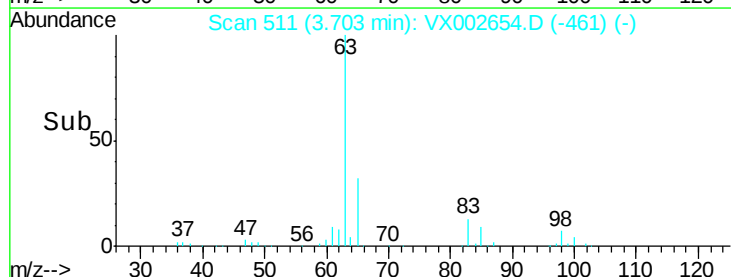
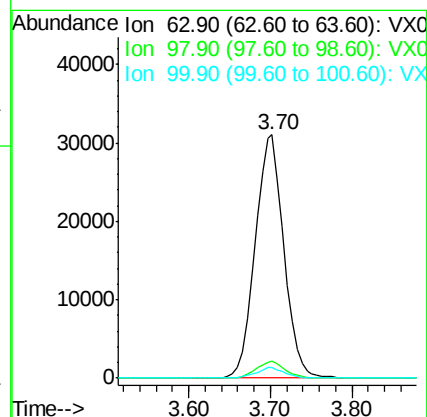
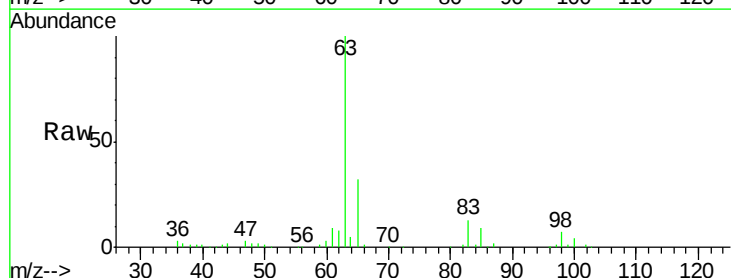
Tgt Ion: 63 Resp: 75924

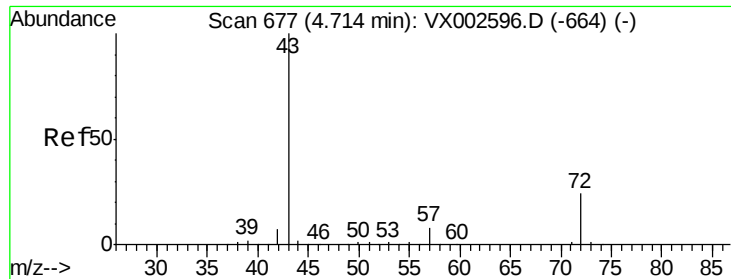
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 139.448 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0616WBS01

Tot Ion: 43 Resp: 189769

Ion Ratio Lower Upper

43 100

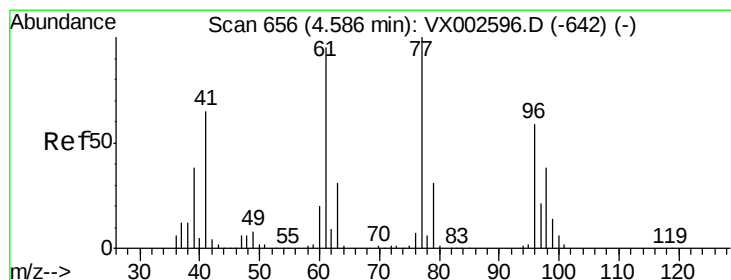
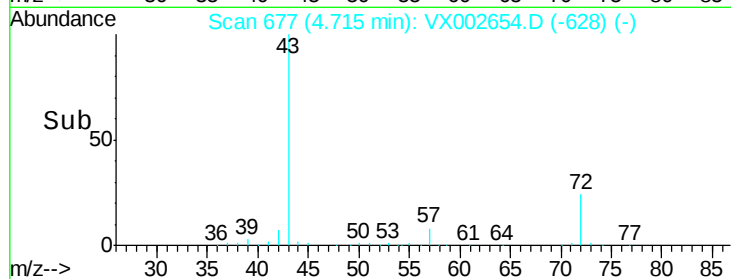
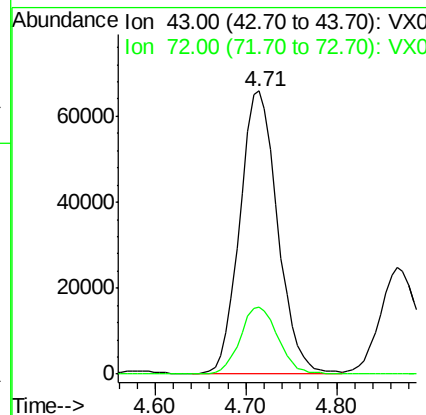
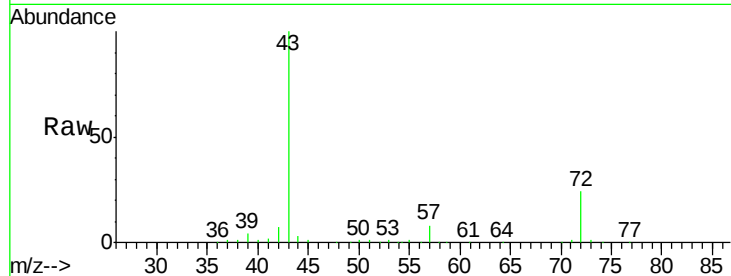
72 23.7 18.5 27.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.353 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX002654.D

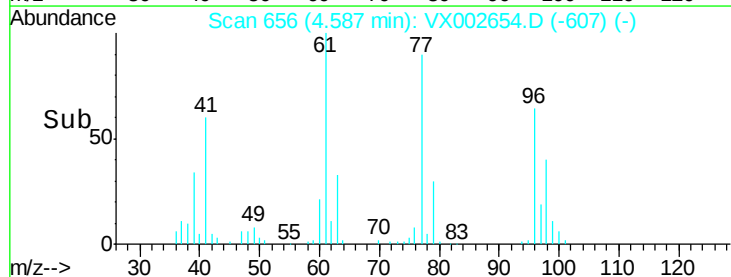
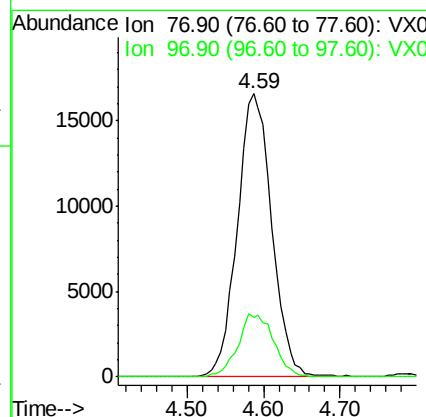
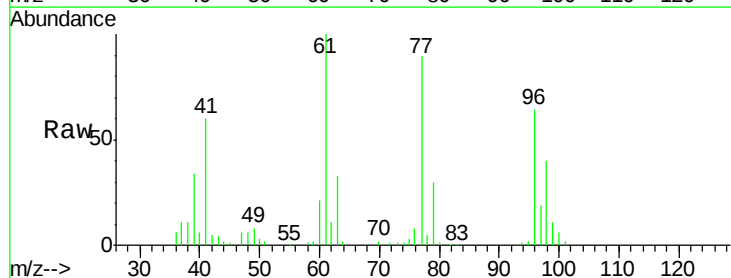
Acq: 16 Jun 2018 18:32

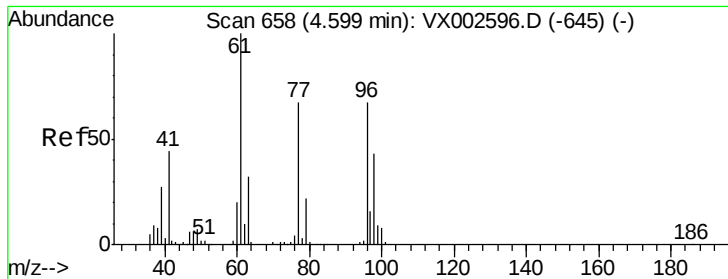
Tgt Ion: 77 Resp: 51663

Ion Ratio Lower Upper

77 100

97 23.0 11.2 33.5





#27

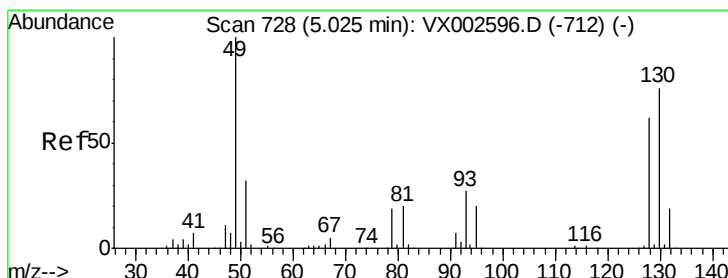
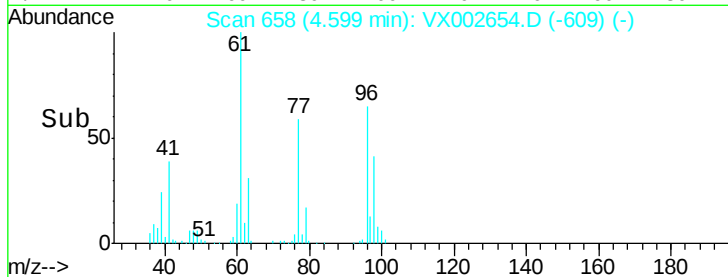
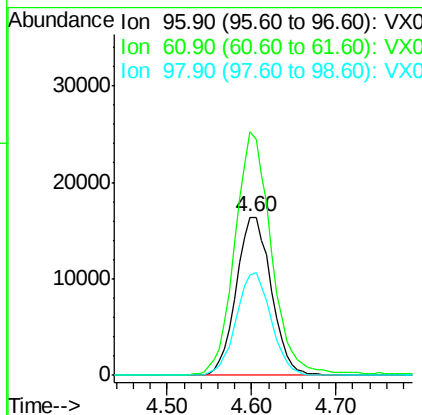
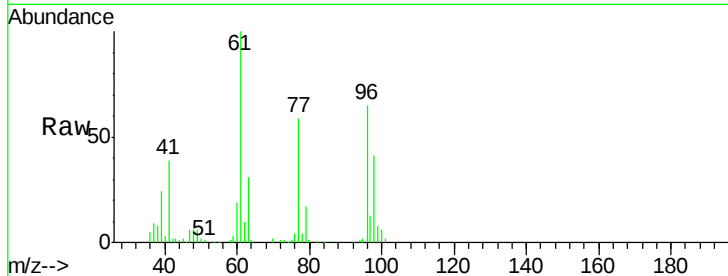
cis-1,2-Dichloroethene
Concen: 24.275 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX002654.D
Acq: 16 Jun 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.8	0.0	330.2
98	64.1	0.0	130.2

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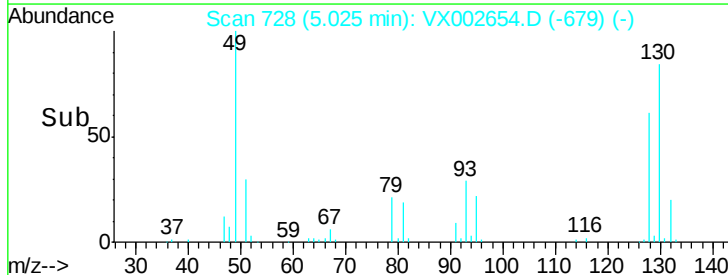
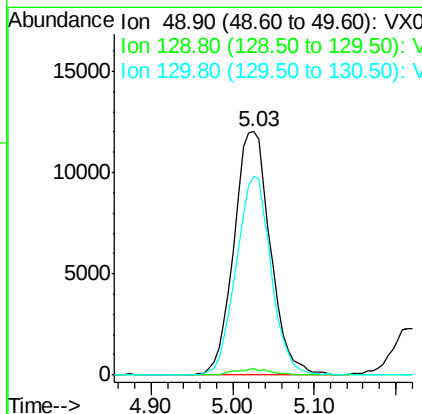
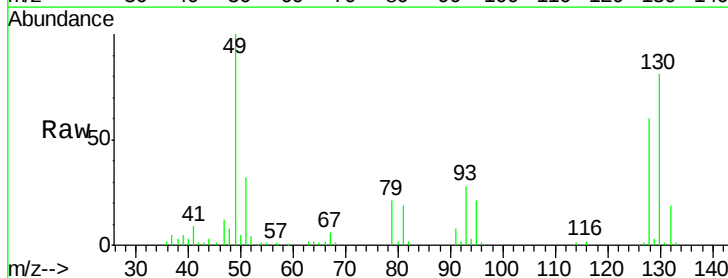
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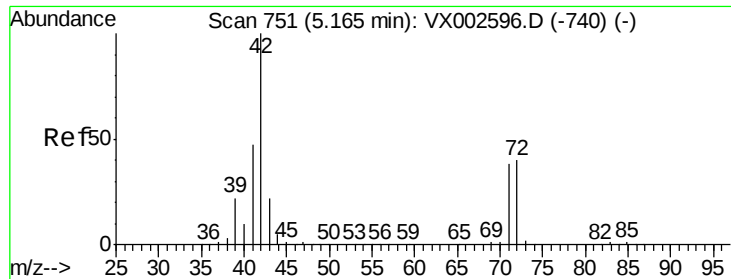


#28

Bromochloromethane
Concen: 23.586 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002654.D
Acq: 16 Jun 2018 18:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.2
130	78.2	61.2	91.8





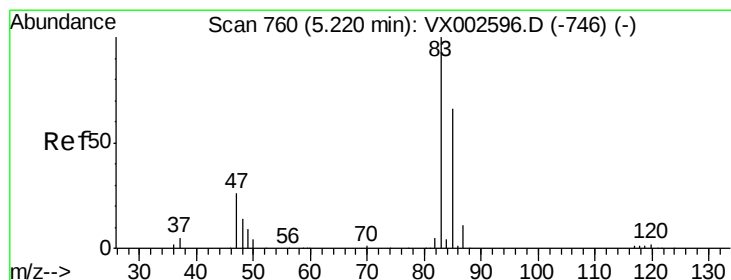
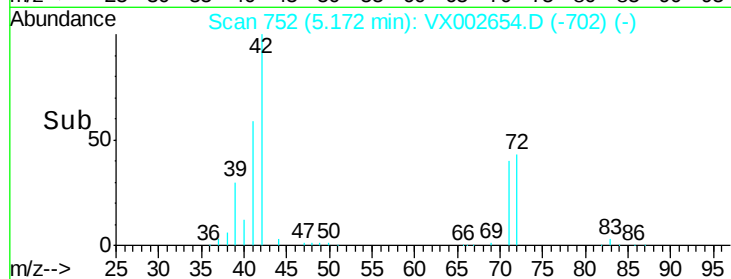
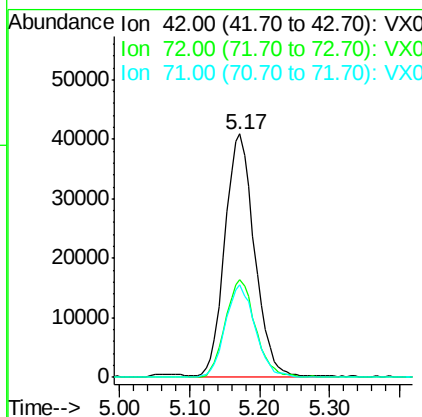
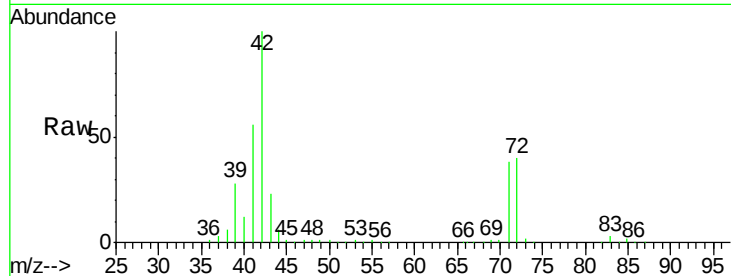
#29
Tetrahydrofuran
Concen: 134.315 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002654.D
Acq: 16 Jun 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	32.0	48.0
71	38.4	30.1	45.1

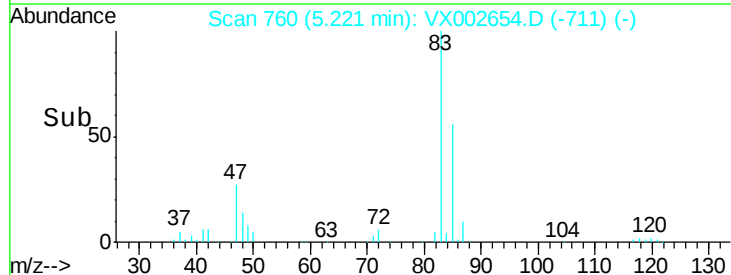
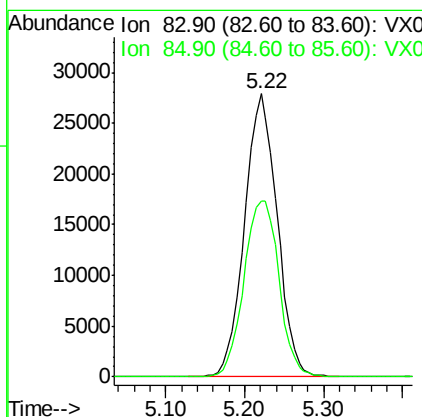
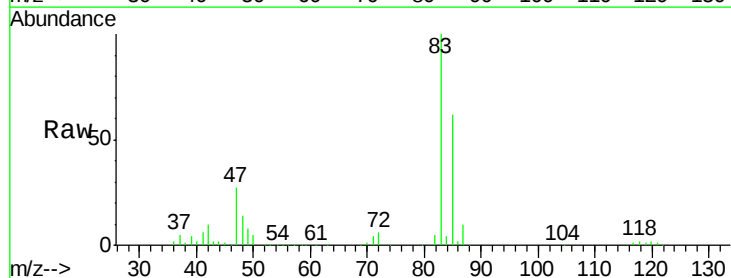
Manual Integrations
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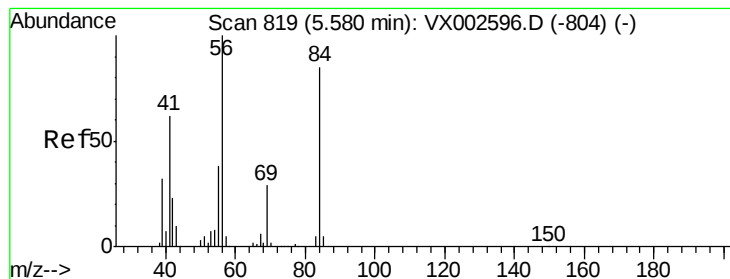
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#30
Chloroform
Concen: 24.765 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX002654.D
Acq: 16 Jun 2018 18:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	50.4	75.6





#31

Cyclohexane

Concen: 14.222 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Instrument :

MSVOA_X

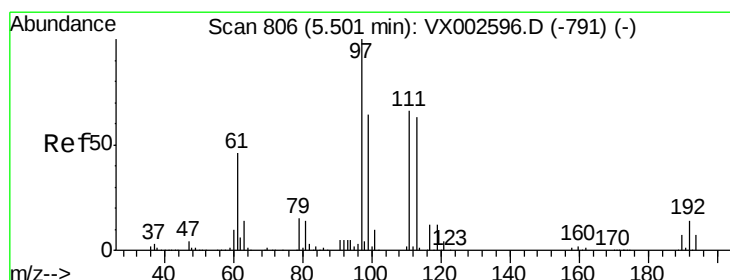
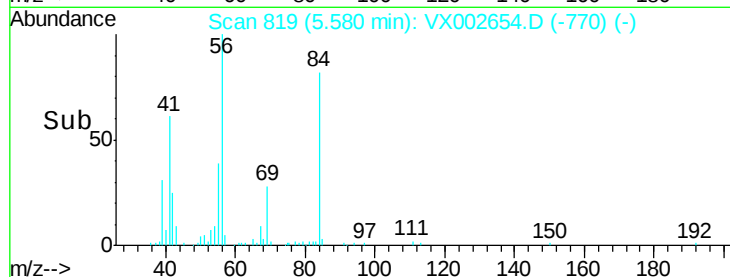
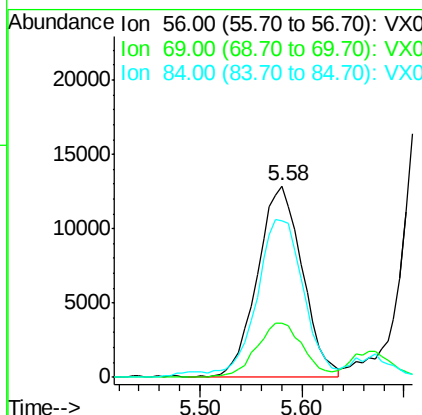
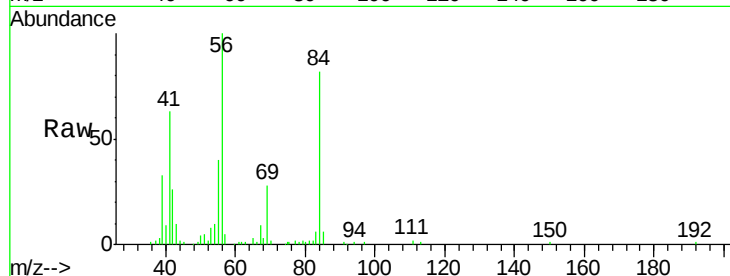
ClientSampleId :

VX0616WBS01

Tot Ion:	56	Resp:	39428
Ion	Ratio	Lower	Upper
56	100		
69	28.3	23.7	35.5
84	79.0	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.572 ug/l

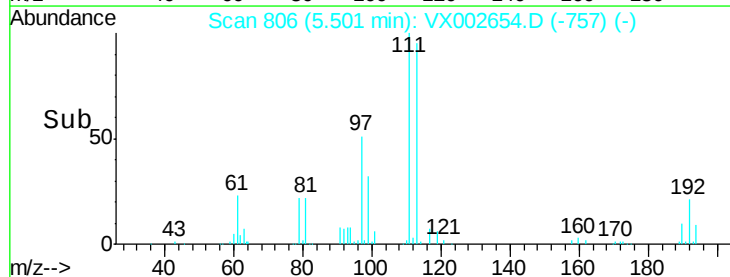
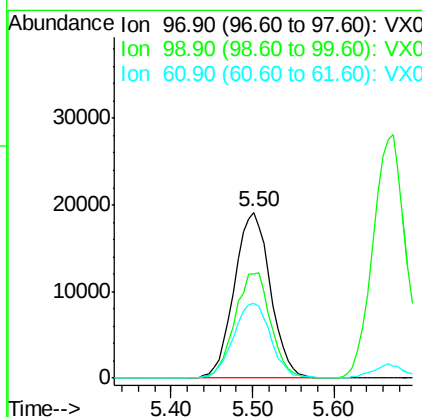
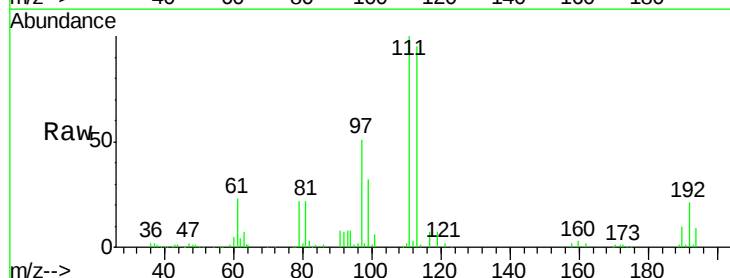
RT: 5.50 min Scan# 806

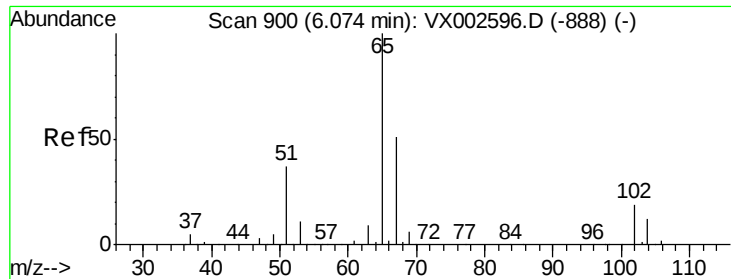
Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Tgt Ion:	97	Resp:	58583
Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.6	77.4
61	46.7	36.4	54.6





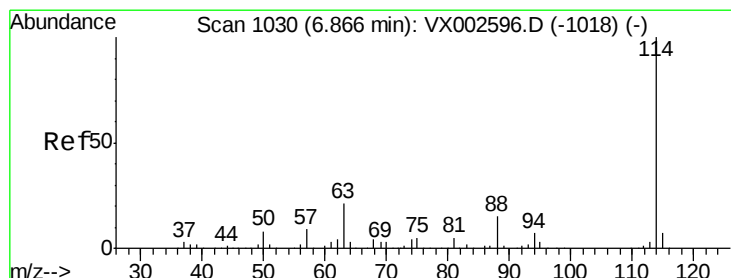
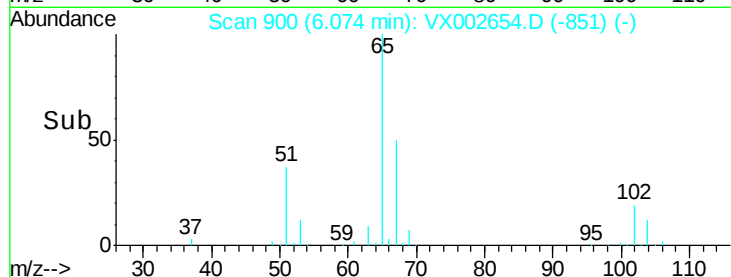
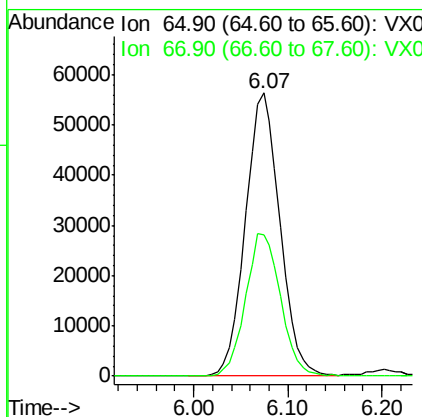
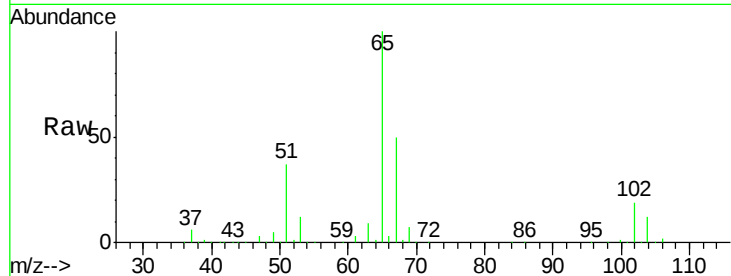
#33
 1,2-Dichloroethane-d4
 Concen: 61.675 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002654.D
 Acq: 16 Jun 2018 18:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0616WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	144859		
67	51.3	0.0	102.6	

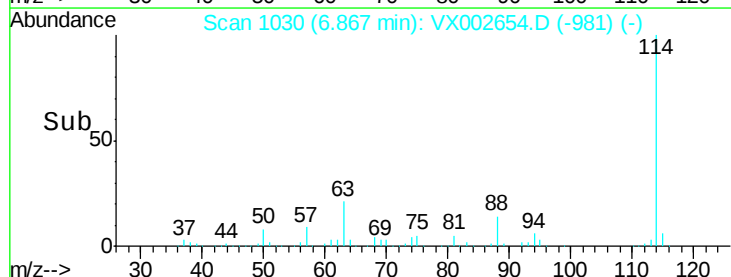
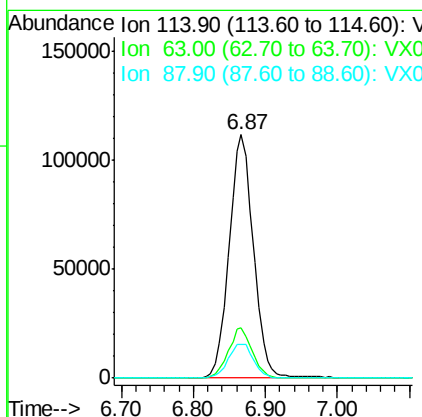
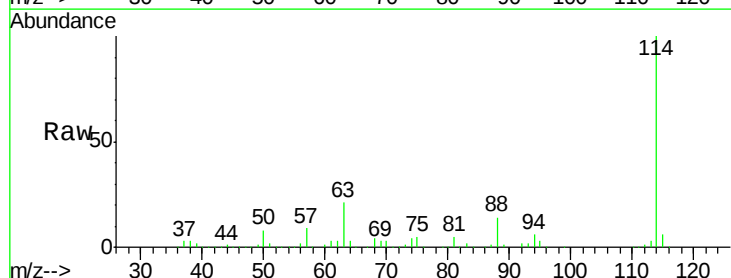
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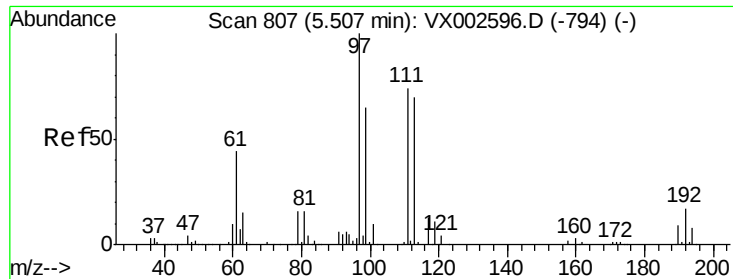
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002654.D
 Acq: 16 Jun 2018 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	262681		
63	20.5	0.0	41.4	
88	13.9	0.0	30.0	





#35

Dibromofluoromethane

Concen: 52.054 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Instrument :

MSVOA_X

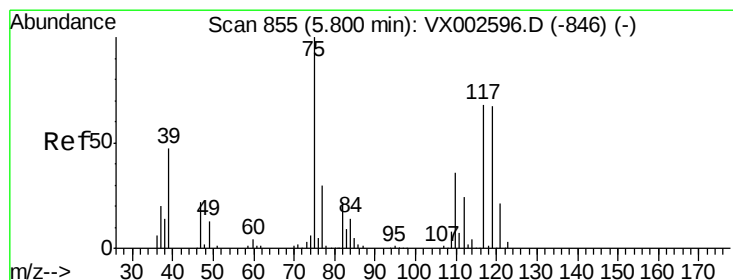
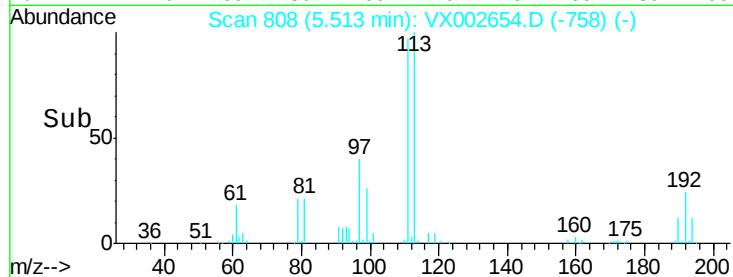
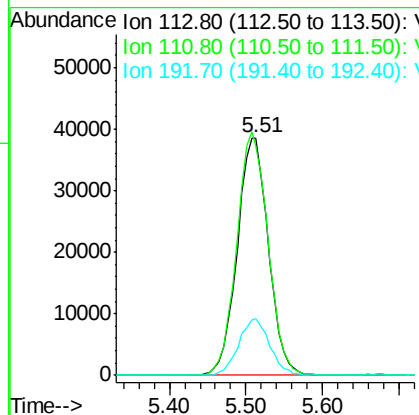
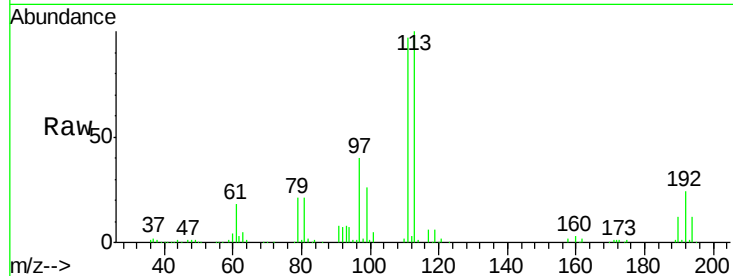
ClientSampleId :

VX0616WBS01

Tot Ion:	113	Resp:	109128
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.4	122.0
192	23.8	19.1	28.7

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#36

1,1-Dichloropropene

Concen: 16.109 ug/l

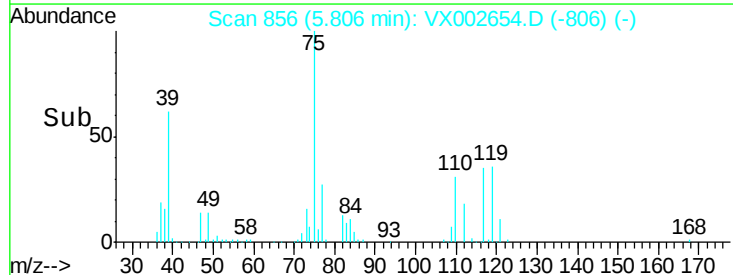
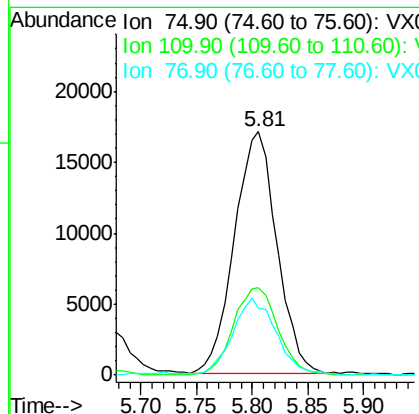
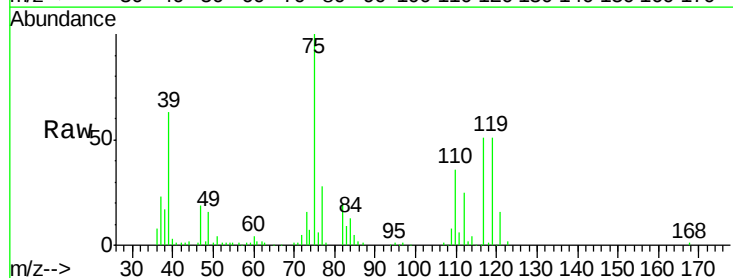
RT: 5.81 min Scan# 856

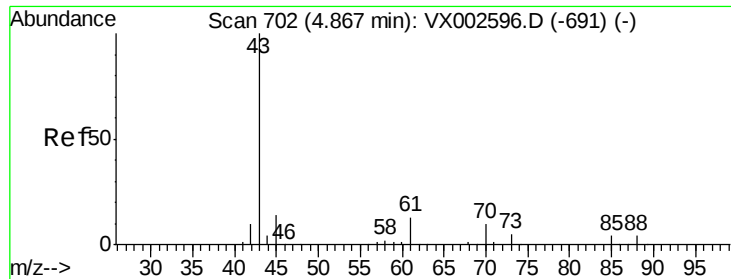
Delta R.T. 0.01 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Tgt Ion:	75	Resp:	44942
Ion Ratio	Lower	Upper	
75	100		
110	38.3	18.1	54.4
77	32.9	24.3	36.5





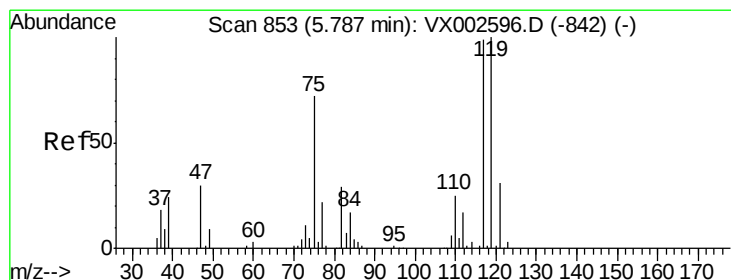
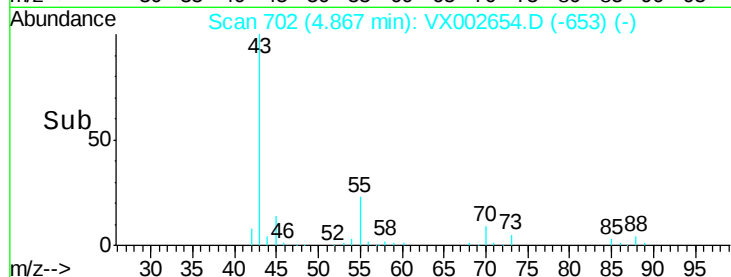
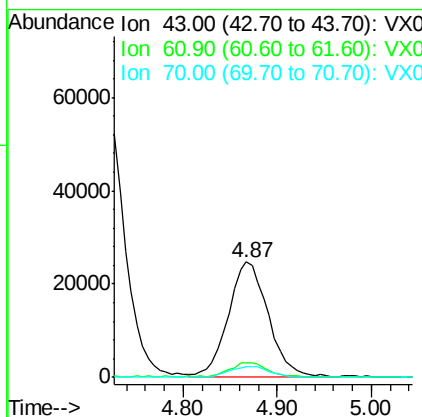
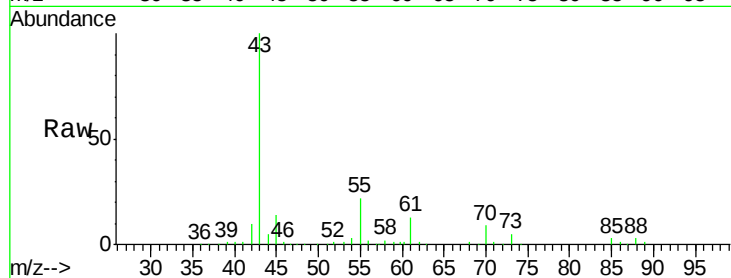
#37
Ethyl Acetate
Concen: 22.782 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX002654.D
Acq: 16 Jun 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.4	15.6
70	9.6	7.6	11.4

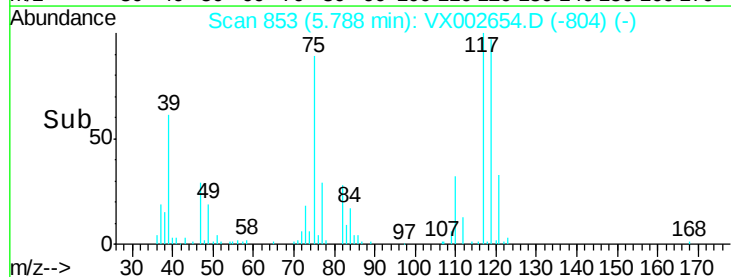
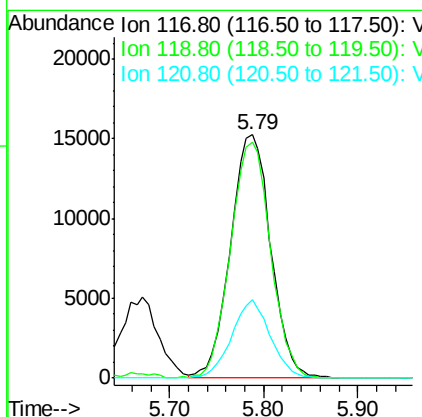
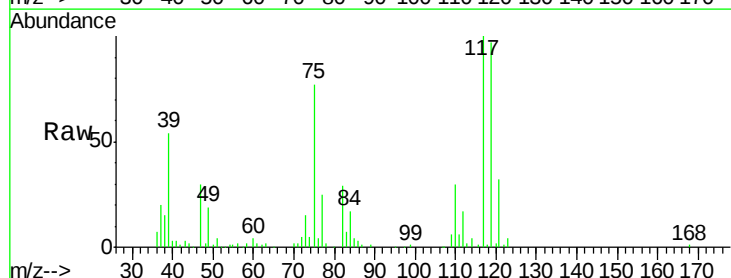
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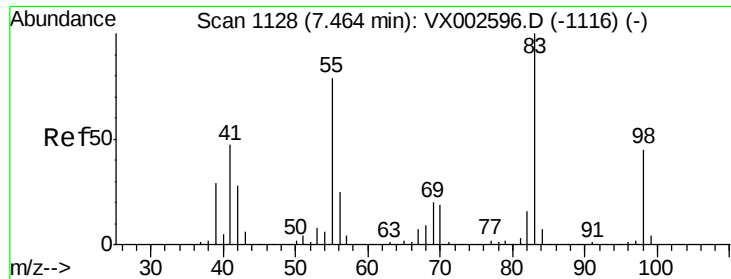
MMDadoda
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#38
Carbon Tetrachloride
Concen: 16.384 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX002654.D
Acq: 16 Jun 2018 18:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.4	116.0
121	32.2	24.4	36.6





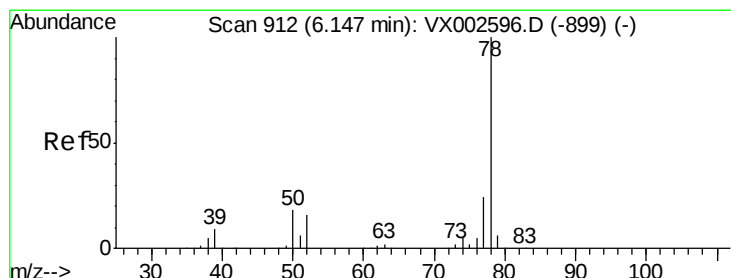
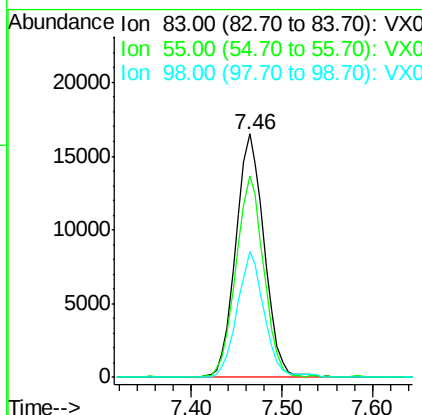
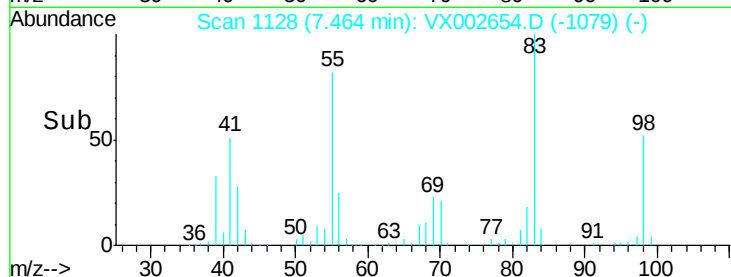
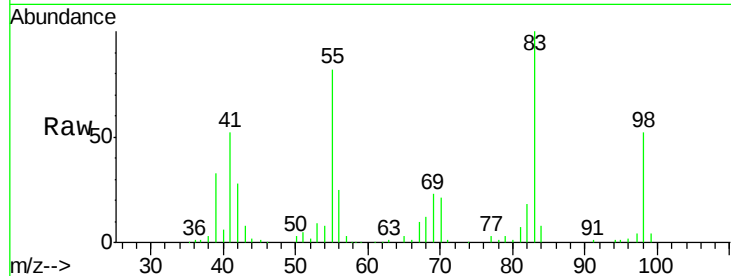
#39
Methvlcvclohexane
Concen: 11.011 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002654.D
Acq: 16 Jun 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	82.5	65.4	98.0	
98	51.7	37.4	56.0	

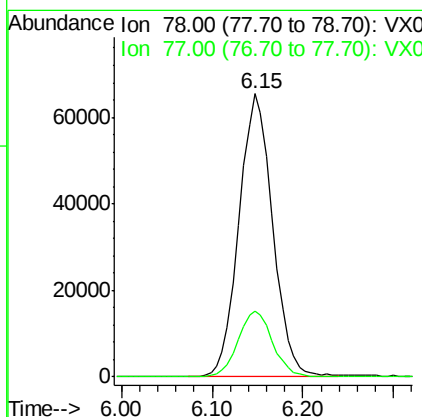
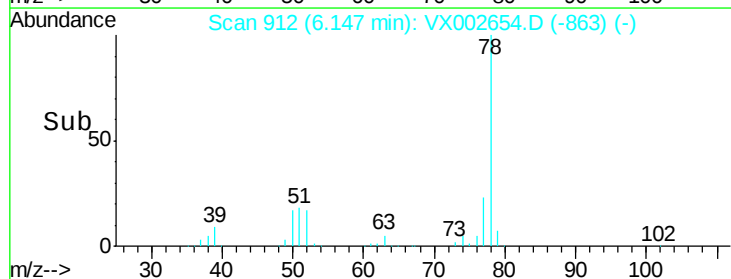
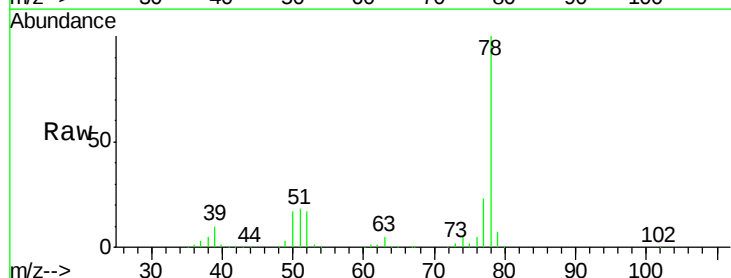
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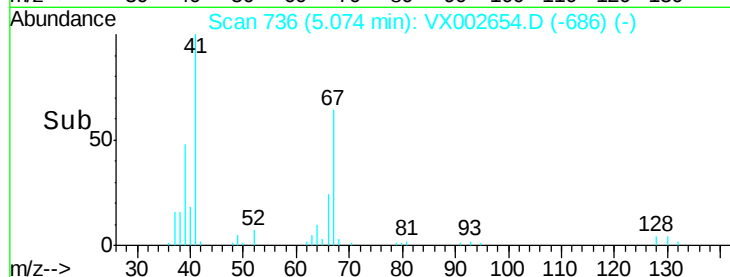
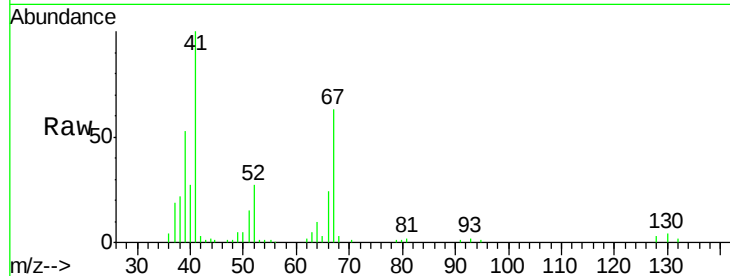
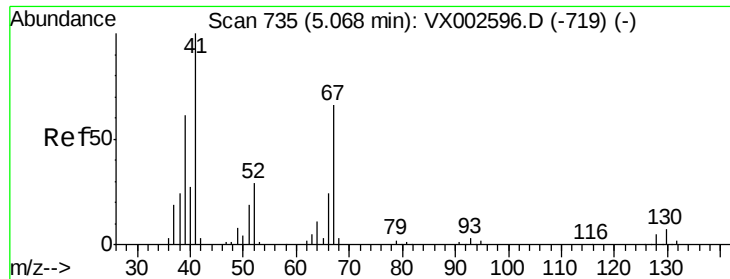
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#40
Benzene
Concen: 20.154 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002654.D
Acq: 16 Jun 2018 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.2	19.1	28.7	





#41

Methacrylonitrile

Concen: 22.747 ug/l

RT: 5.07 min Scan# 736

Delta R.T. 0.01 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Tot Ion	41	Resp	40555
Ion Ratio	Lower	Upper	
41	100		
39	56.1	45.8	68.6
67	66.9	51.3	76.9
52	30.9	23.0	34.6

Instrument :

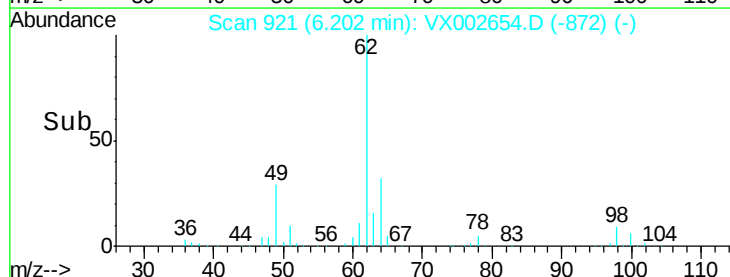
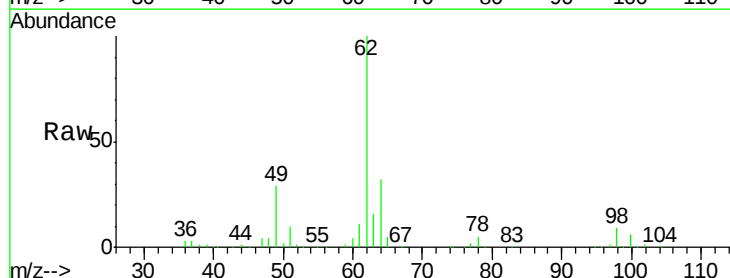
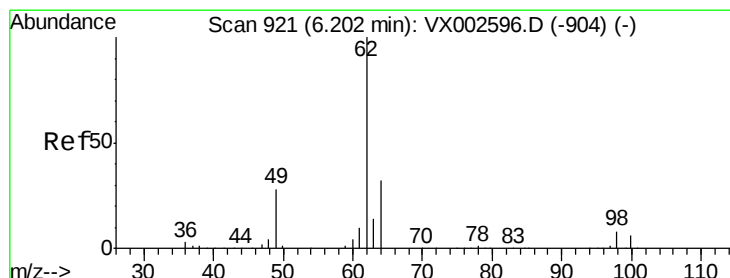
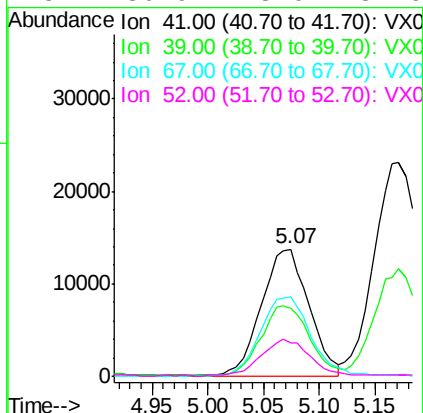
MSVOA_X

ClientSampleId :

VX0616WBS01

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 22.638 ug/l

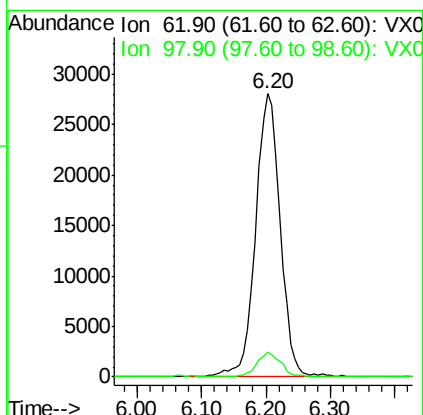
RT: 6.20 min Scan# 921

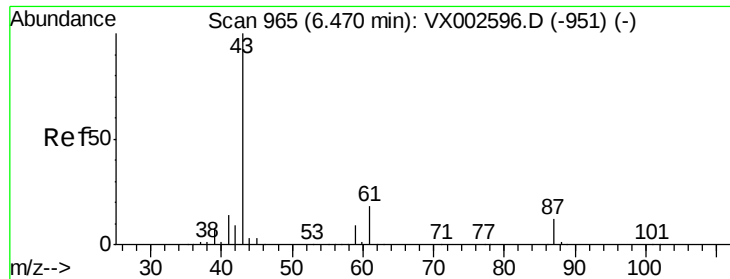
Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Tgt Ion	62	Resp	73317
Ion Ratio	Lower	Upper	
62	100		
98	8.5	0.0	16.6





#43

Isopropyl Acetate

Concen: 21.475 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Instrument :

MSVOA_X

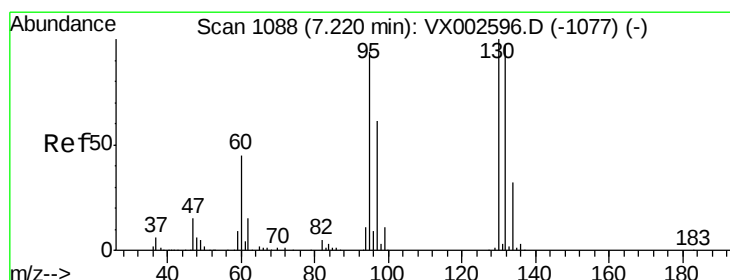
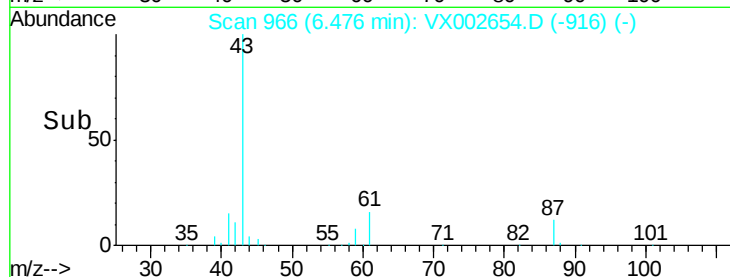
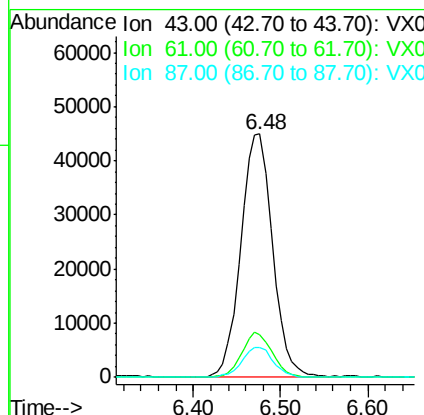
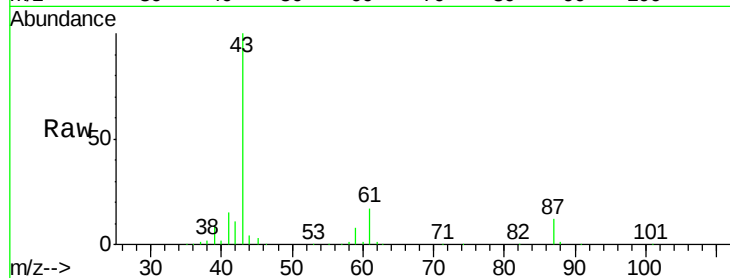
ClientSampleId :

VX0616WBS01

Tot Ion:	43	Resp:	112351
Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.4	21.6
87	12.3	9.5	14.3

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#44

Trichloroethene

Concen: 18.695 ug/l

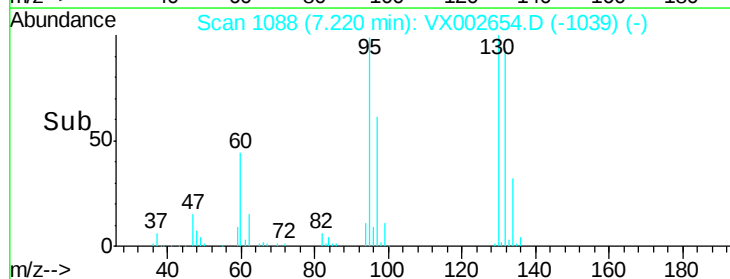
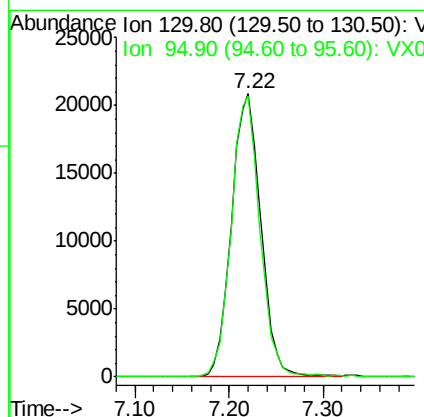
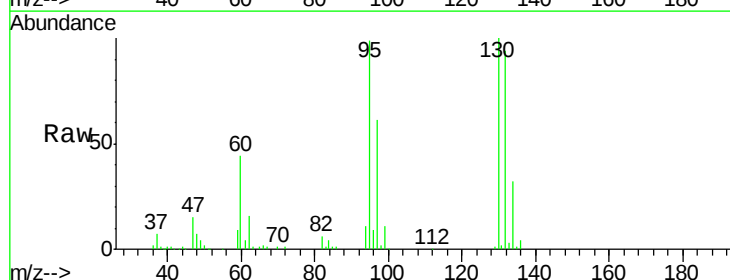
RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Tgt Ion:	130	Resp:	45138
Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	185.4





#45

1,2-Dichloropropane

Concen: 20.746 ug/l

RT: 7.53 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Instrument :

MSVOA_X

ClientSampled :

VX0616WBS01

Tot Ion: 63 Resp: 45675

Ion Ratio Lower Upper

63 100

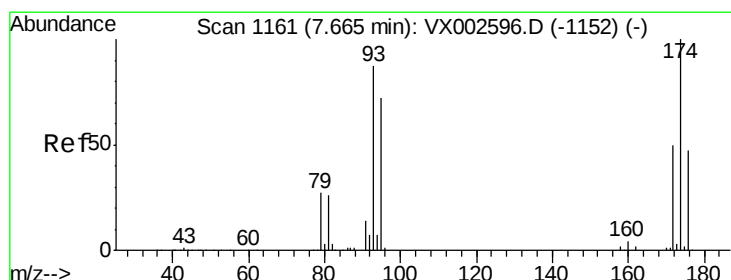
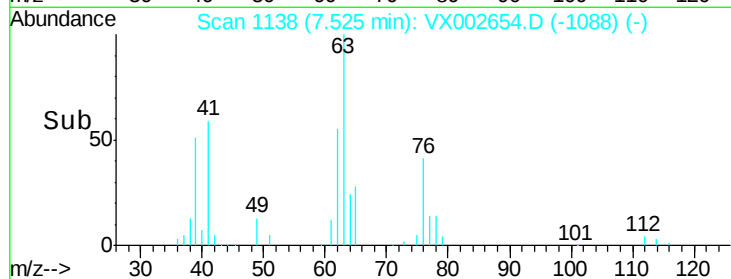
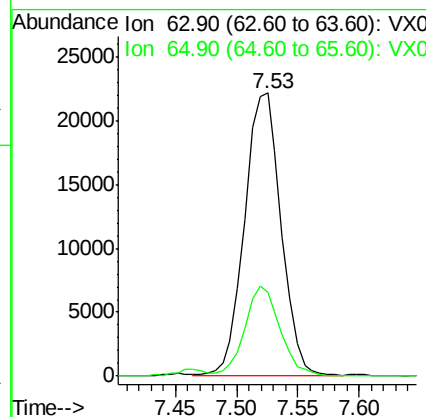
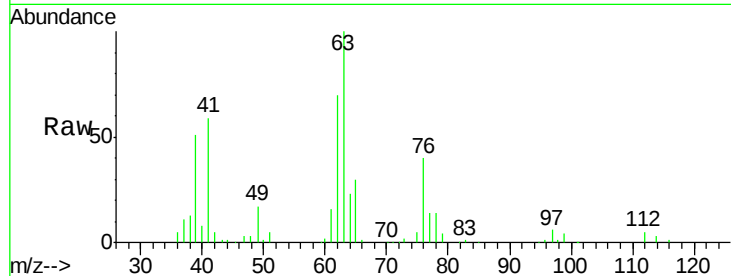
65 29.2 24.7 37.1

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#46

Dibromomethane

Concen: 22.786 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

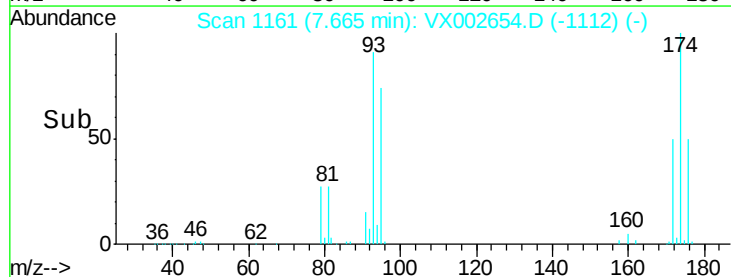
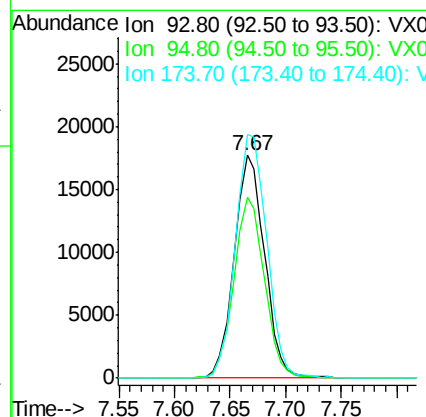
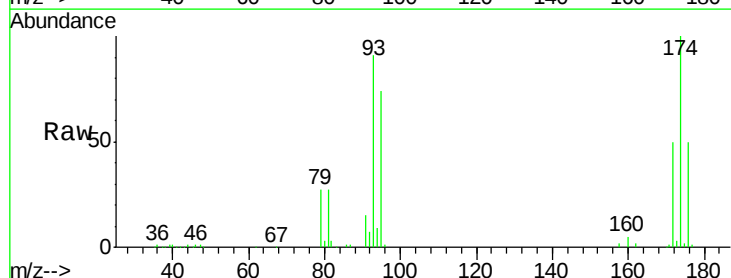
Tgt Ion: 93 Resp: 33558

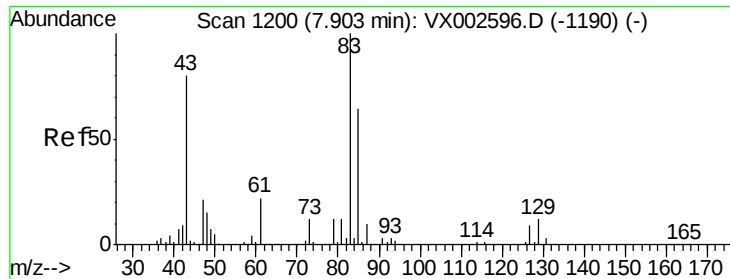
Ion Ratio Lower Upper

93 100

95 81.5 65.9 98.9

174 112.9 92.4 138.6





#47

Bromodichloromethane

Concen: 21.507 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Instrument :

MSVOA_X

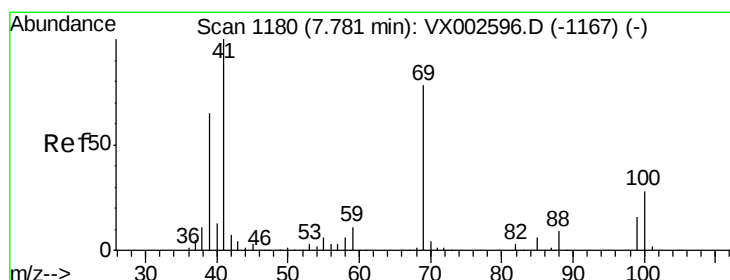
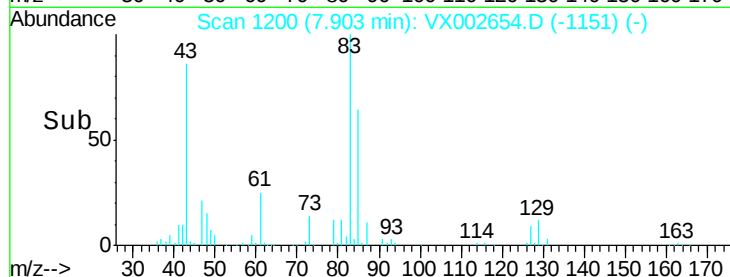
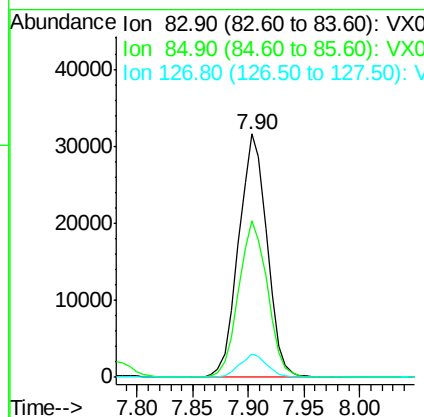
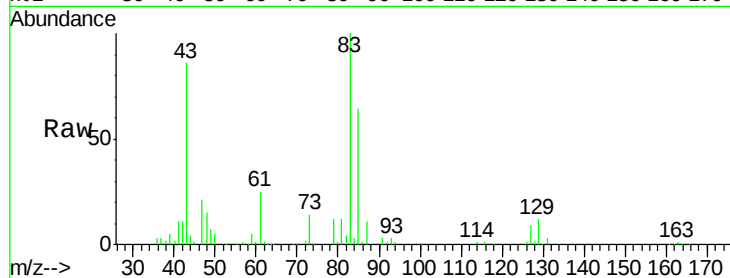
ClientSampleId :

VX0616WBS01

Tot Ion:	83	Resp:	55865
Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.3	75.5
127	9.5	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.018 ug/l

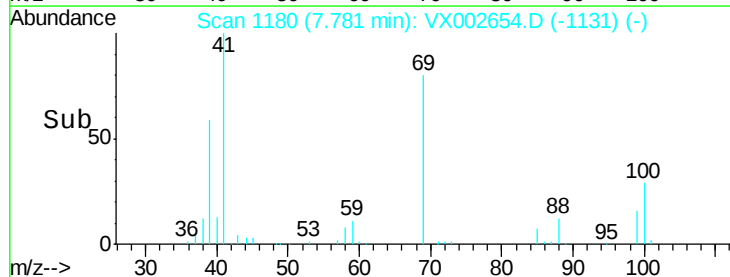
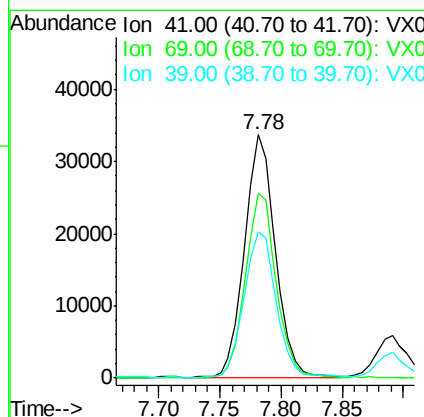
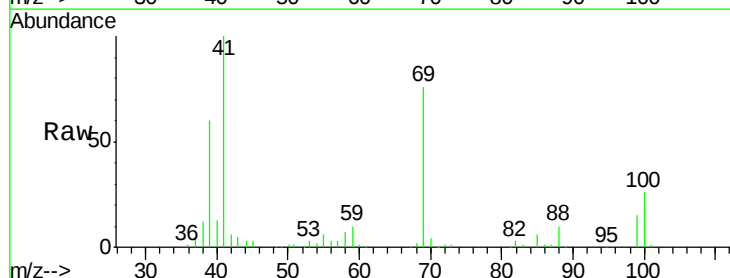
RT: 7.78 min Scan# 1180

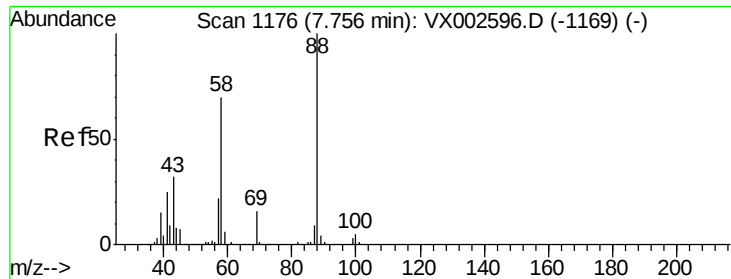
Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Tgt Ion:	41	Resp:	58866
Ion	Ratio	Lower	Upper
41	100		
69	76.8	59.1	88.7
39	63.0	48.9	73.3





#49

1,4-Dioxane

Concen: 480.215 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Instrument :

MSVOA_X

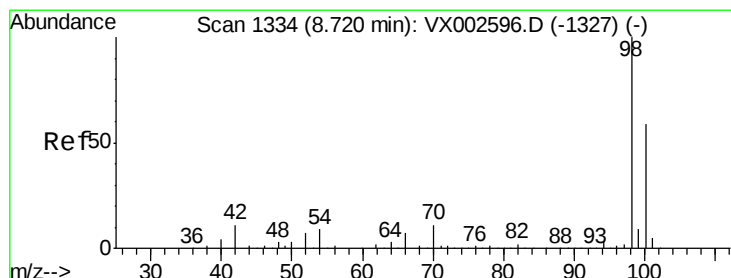
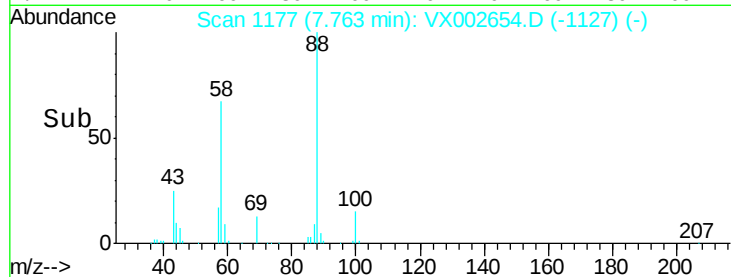
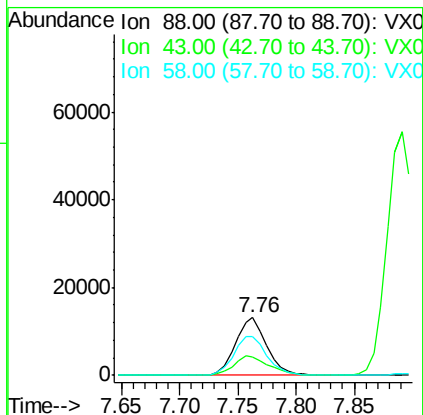
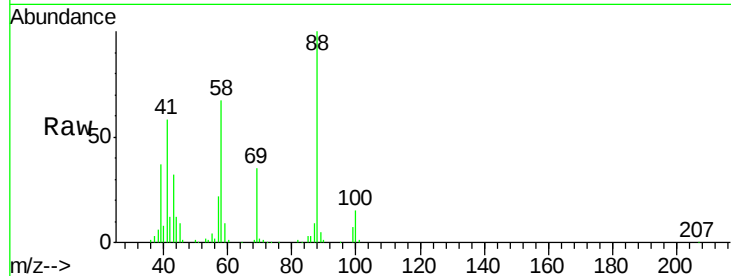
ClientSampleId :

VX0616WBS01

Tot Ion:	88	Resp:	24313
Ion	Ratio	Lower	Upper
88	100		
43	38.0	29.8	44.6
58	72.7	57.1	85.7

Manual Integrations
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#50

Toluene-d8

Concen: 48.872 ug/l

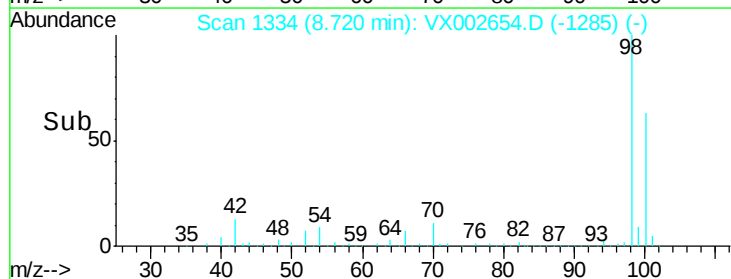
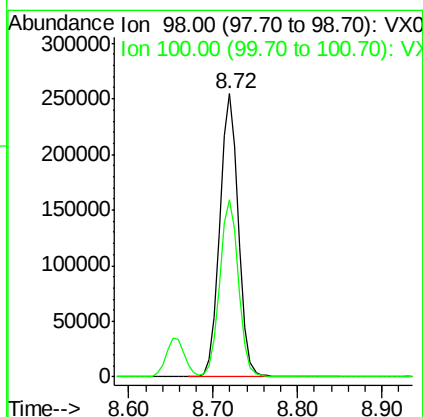
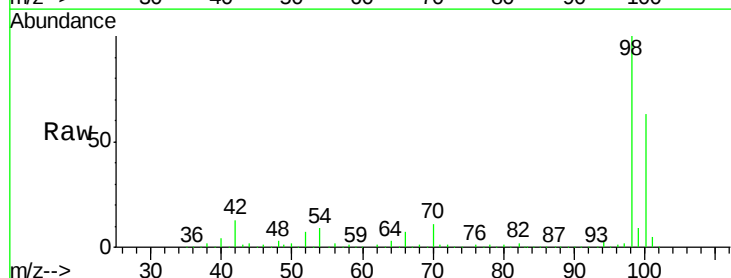
RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Tgt Ion:	98	Resp:	389033
Ion	Ratio	Lower	Upper
98	100		
100	63.3	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 114.266 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Instrument :

MSVOA_X

ClientSampled :

VX0616WBS01

Tot Ion: 43 Resp: 383834

Ion Ratio Lower Upper

43 100

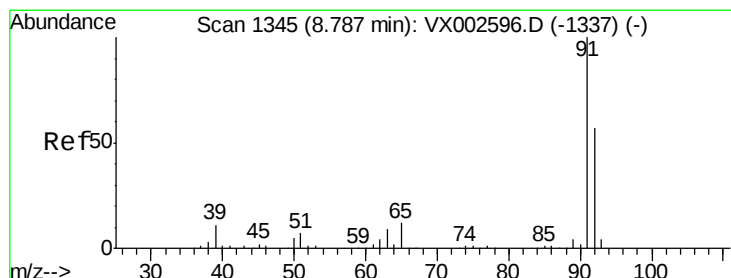
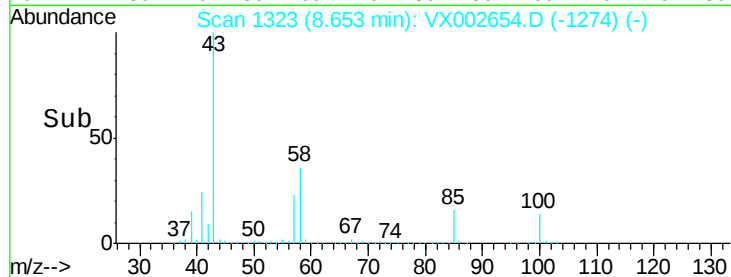
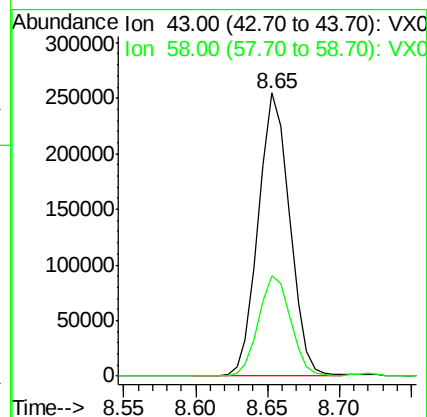
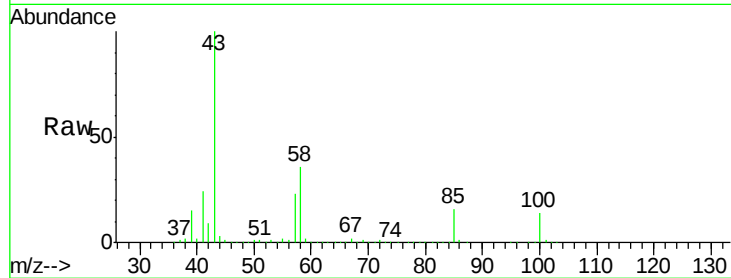
58 36.1 28.6 42.8

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#52

Toluene

Concen: 19.979 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002654.D

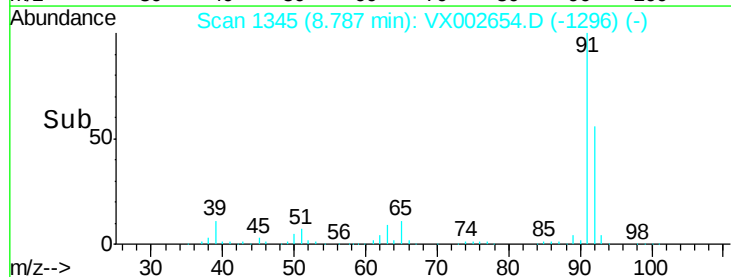
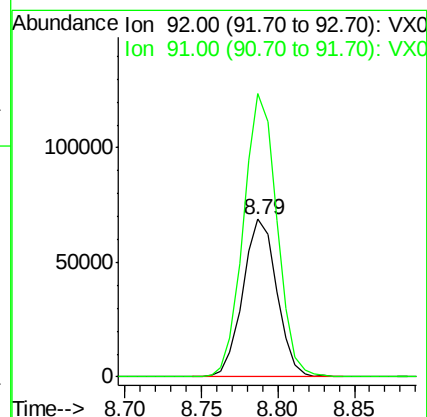
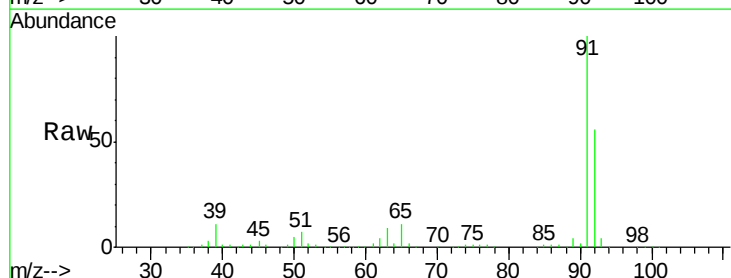
Acq: 16 Jun 2018 18:32

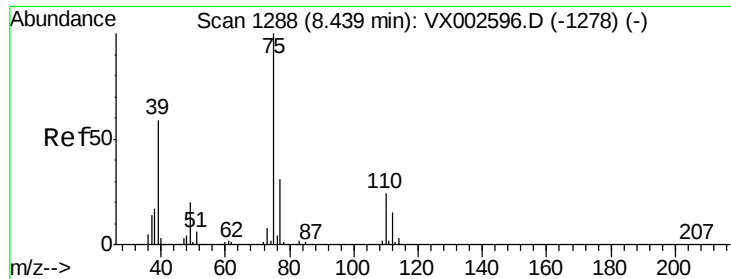
Tgt Ion: 92 Resp: 106614

Ion Ratio Lower Upper

92 100

91 176.6 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 20.380 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0616WBS01

Tot Ion: 75 Resp: 64952

Ion Ratio Lower Upper

75 100

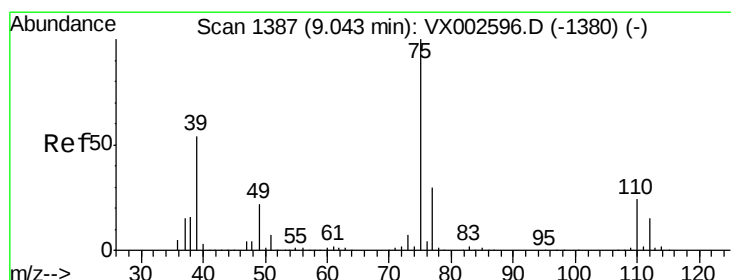
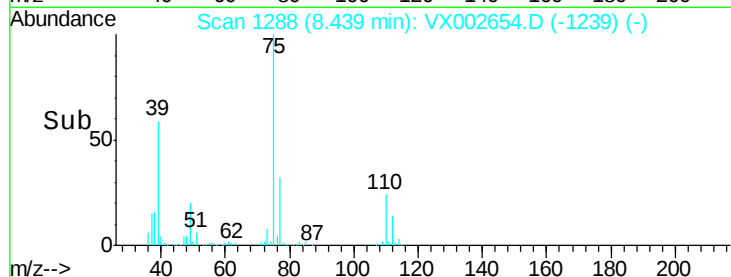
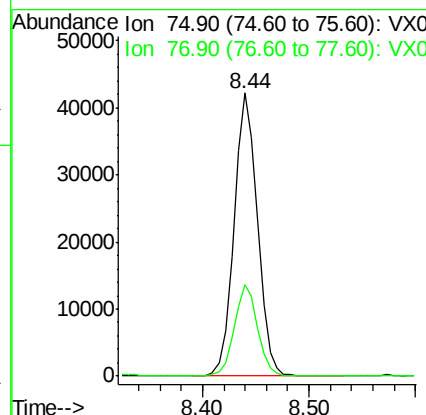
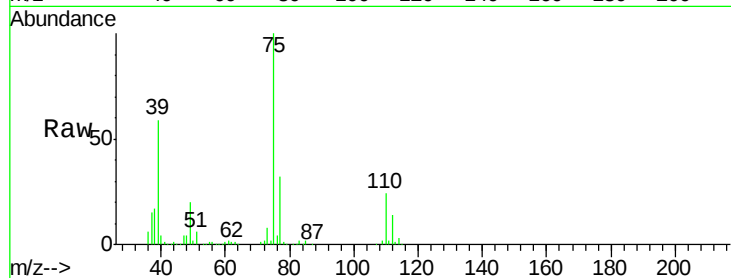
77 32.4 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.242 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

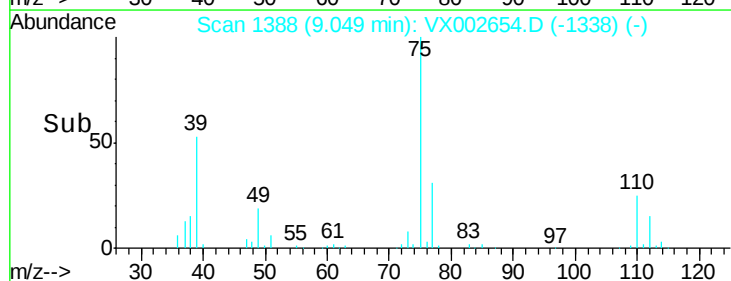
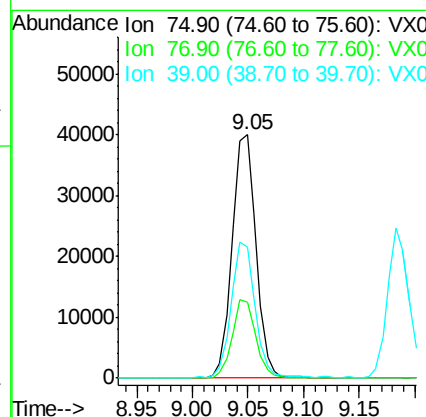
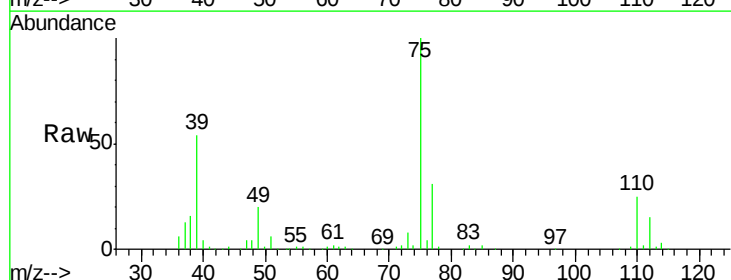
Tgt Ion: 75 Resp: 59693

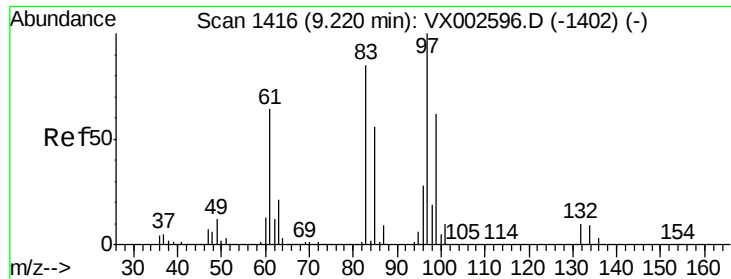
Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2

39 53.4 42.4 63.6





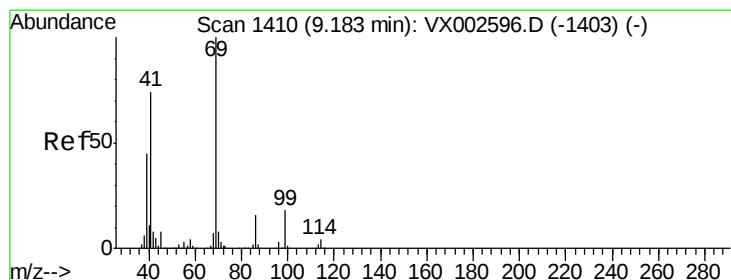
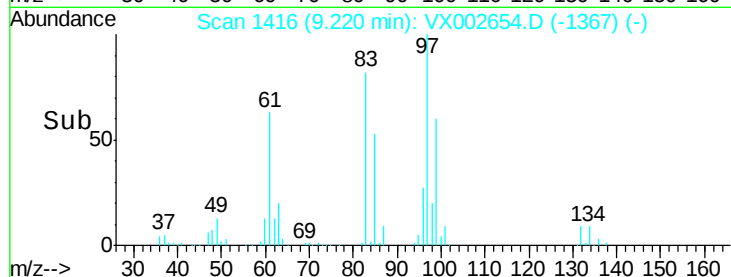
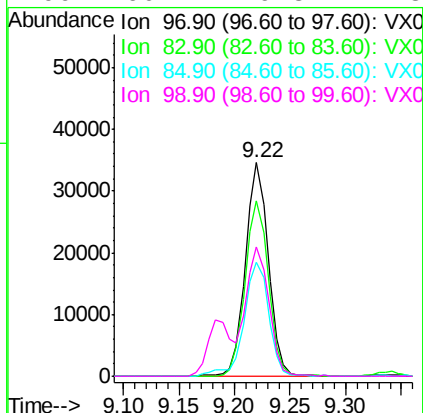
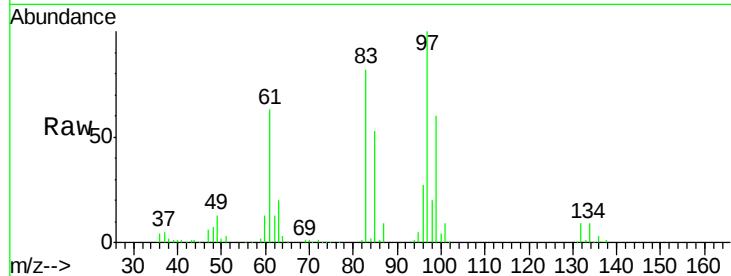
#55
 1,1,2-Trichloroethane
 Concen: 23.087 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002654.D
 Acq: 16 Jun 2018 18:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0616WBS01

Tot Ion:	97	Resp:	49781
Ion	Ratio	Lower	Upper
97	100		
83	81.9	70.2	105.2
85	53.4	44.9	67.3
99	60.4	49.8	74.8

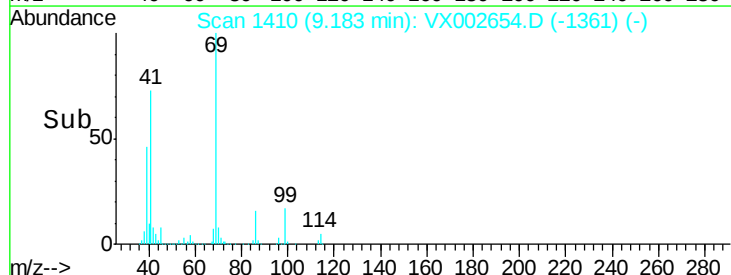
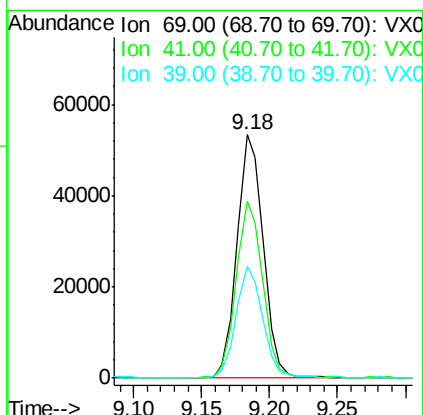
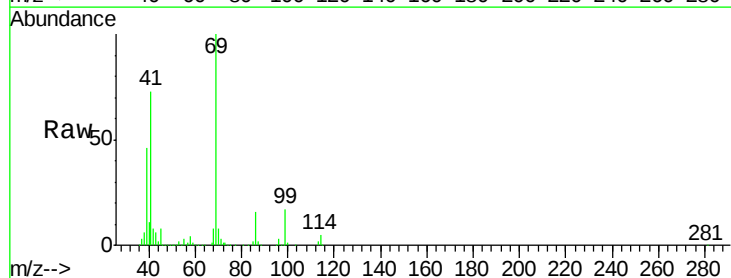
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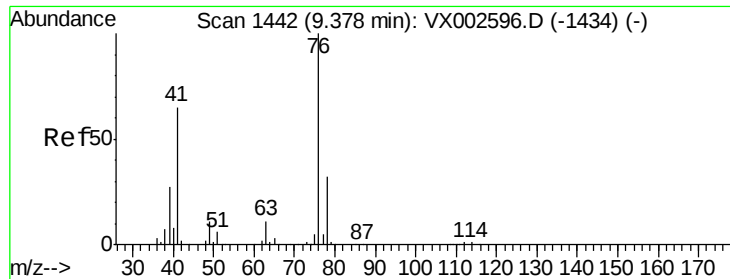
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 21.688 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX002654.D
 Acq: 16 Jun 2018 18:32

Tgt Ion:	69	Resp:	71966
Ion	Ratio	Lower	Upper
69	100		
41	72.7	60.3	90.5
39	46.1	35.8	53.8





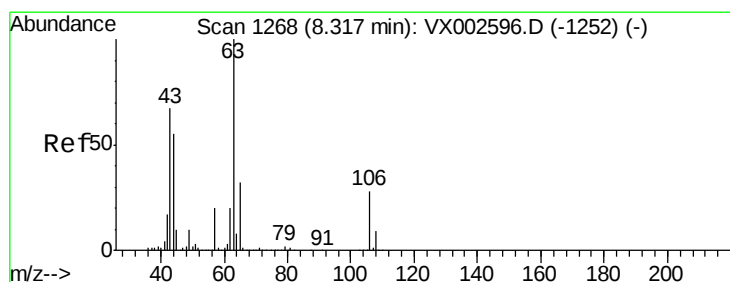
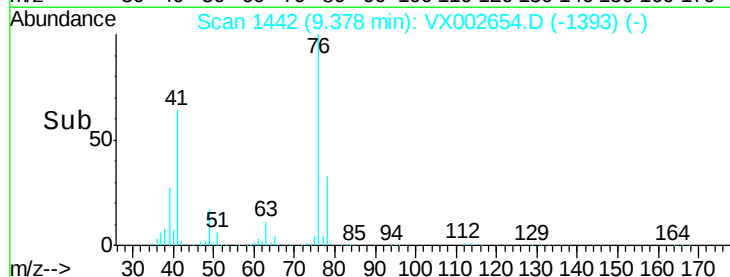
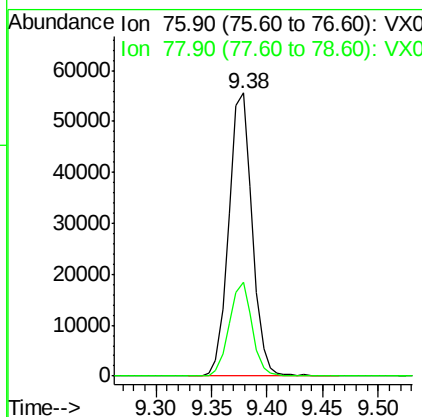
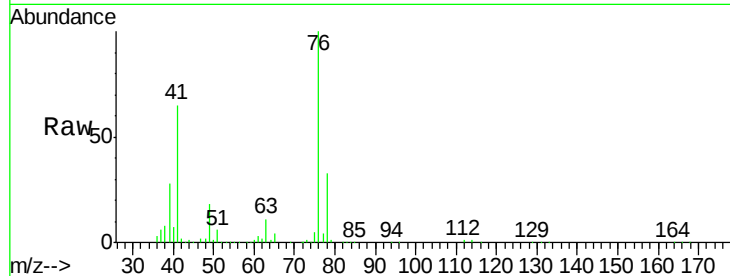
#57
 1,3-Dichloropropane
 Concen: 22.084 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX002654.D
 Acq: 16 Jun 2018 18:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0616WBS01

Tot Ion: 76 Resp: 80535
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6

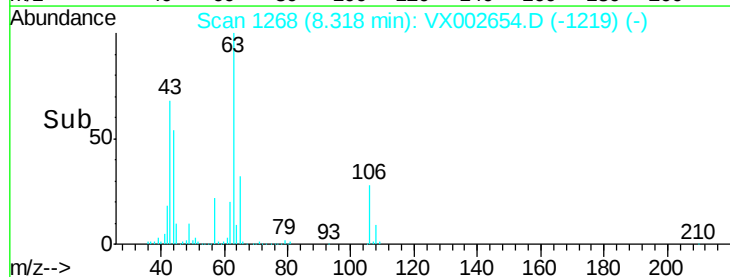
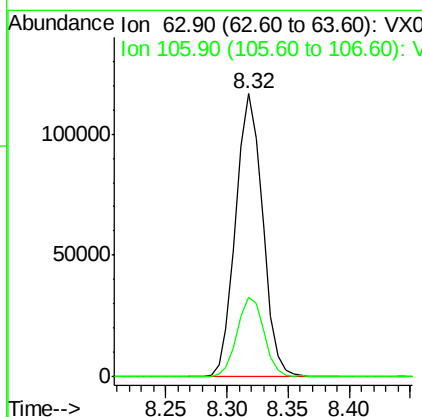
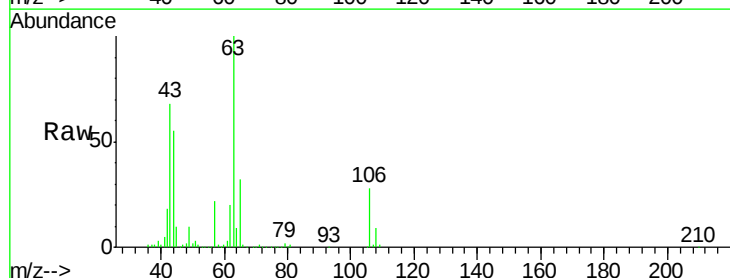
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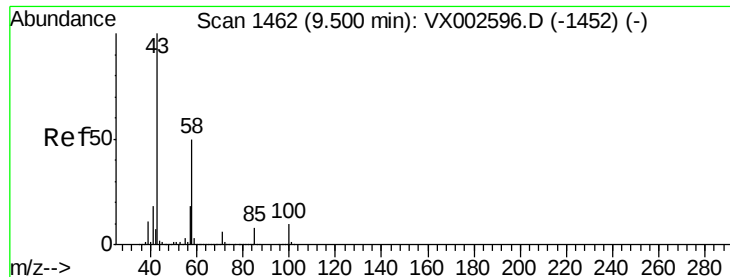
MMDadoda
 6/19/2018 1:04:50 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.797 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX002654.D
 Acq: 16 Jun 2018 18:32

Tgt Ion: 63 Resp: 177821
 Ion Ratio Lower Upper
 63 100
 106 28.3 21.8 32.8





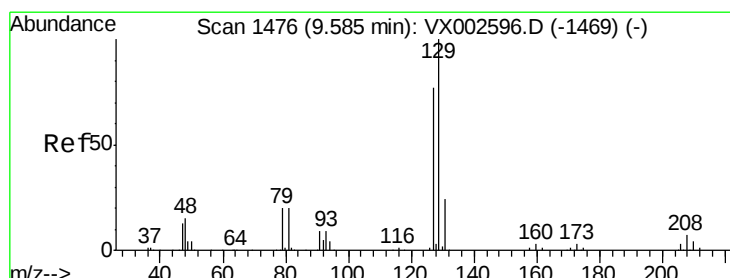
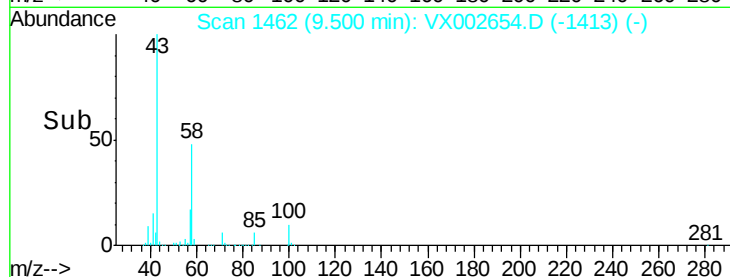
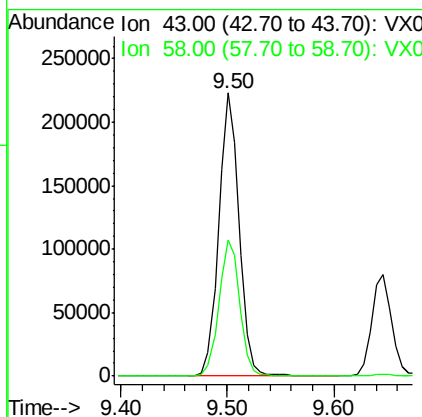
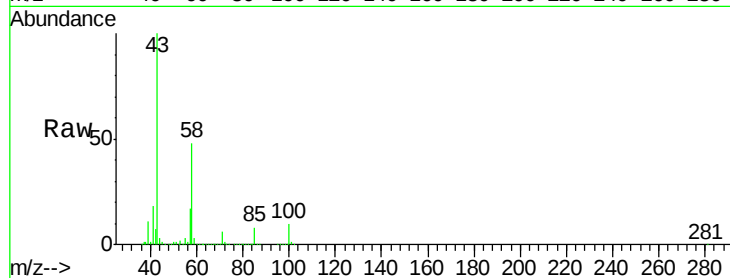
#59
2-Hexanone
Concen: 116.928 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX002654.D
Acq: 16 Jun 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBS01

Tot Ion: 43 Resp: 295974
Ion Ratio Lower Upper
43 100
58 49.2 24.6 73.6

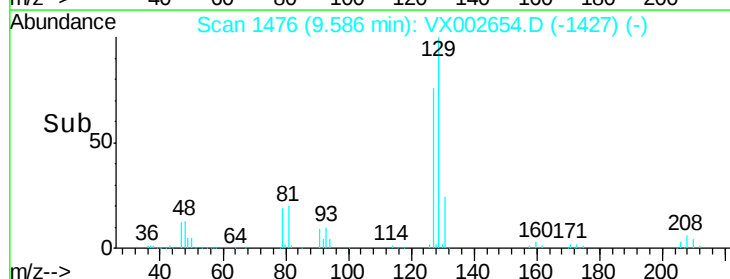
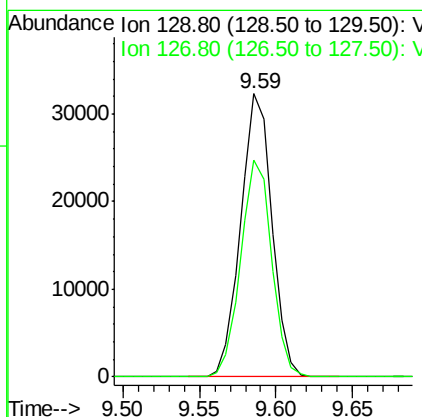
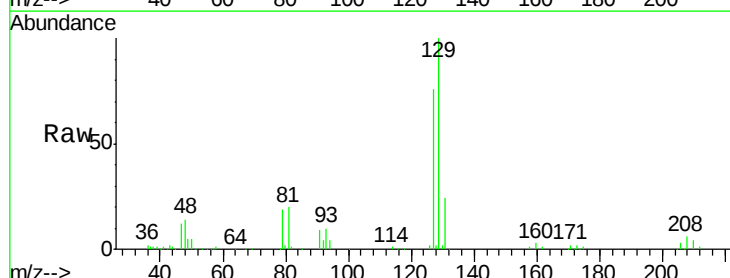
Manual Integrations
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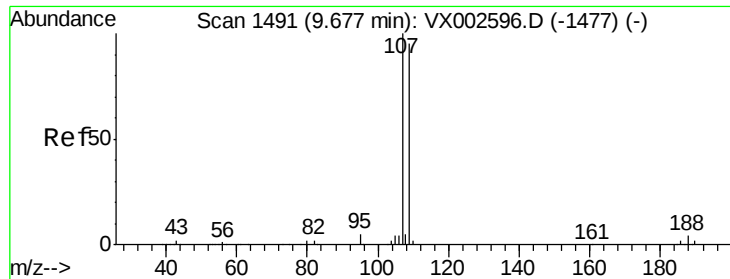
MMDadoda
6/19/2018 1:04:50 PM



#60
Dibromochloromethane
Concen: 21.277 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002654.D
Acq: 16 Jun 2018 18:32

Tgt Ion: 129 Resp: 45941
Ion Ratio Lower Upper
129 100
127 75.5 38.5 115.3





#61

1,2-Dibromoethane

Concen: 22.502 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0616WBS01

Tot Ion:107 Resp: 50250

Ion Ratio Lower Upper

107 100

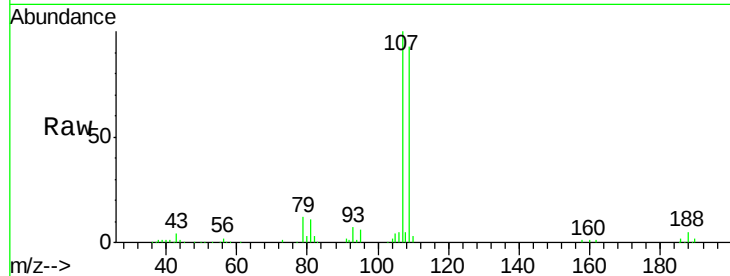
109 94.6 75.3 112.9

Manual Integrations

APPROVED

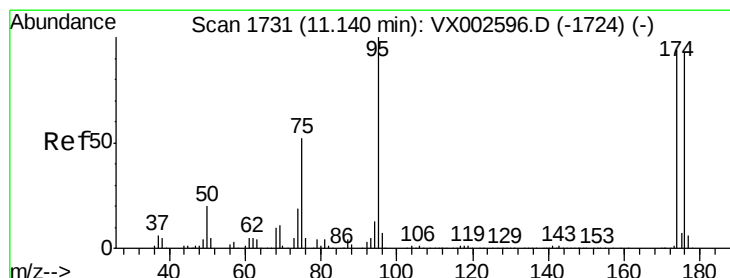
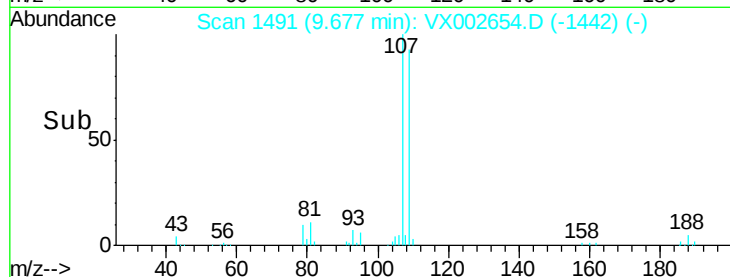
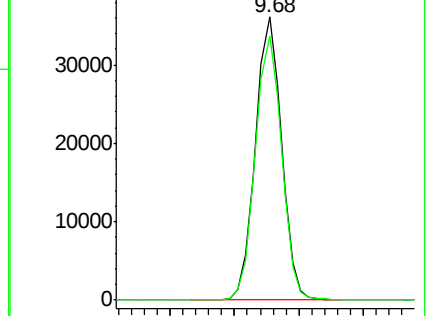
MMDadoda

6/19/2018 1:04:50 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.145 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

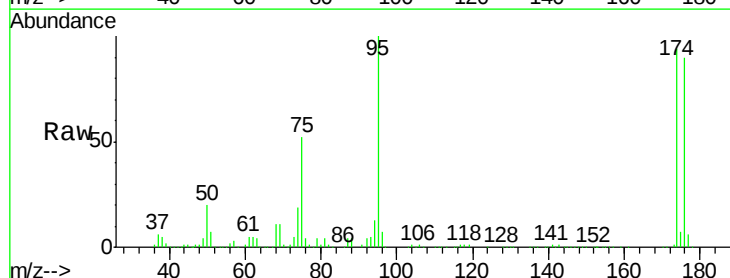
Tgt Ion: 95 Resp: 148239

Ion Ratio Lower Upper

95 100

174 97.2 0.0 187.4

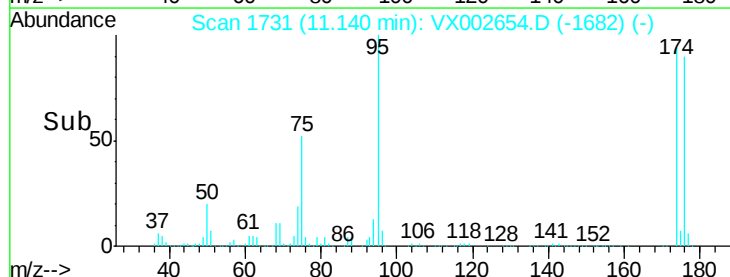
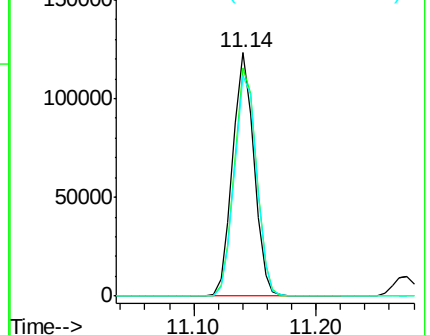
176 94.3 0.0 181.0

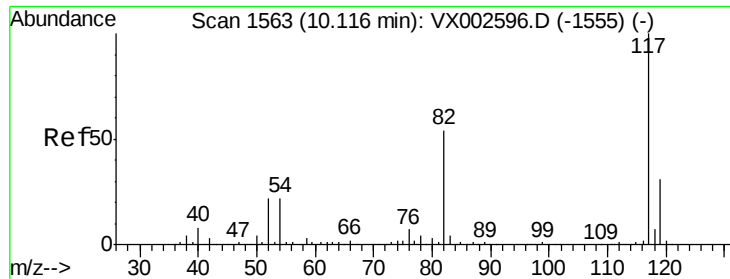


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Instrument :

MSVOA_X

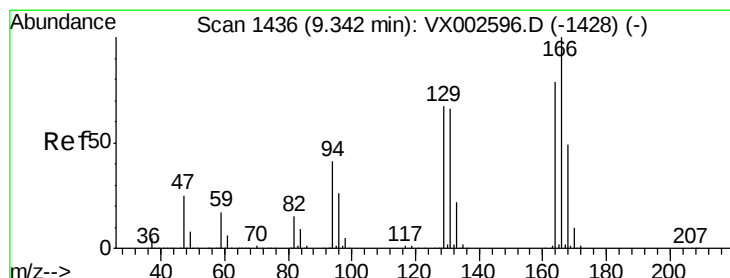
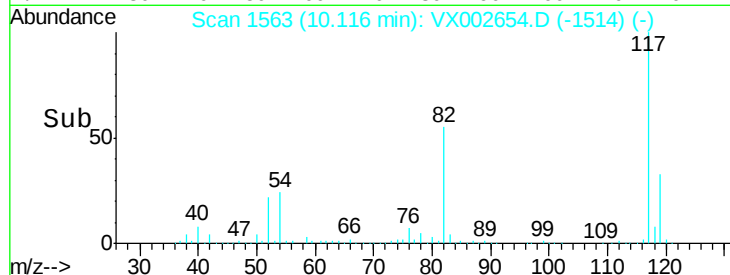
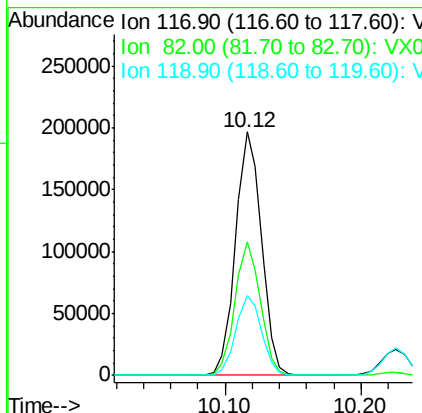
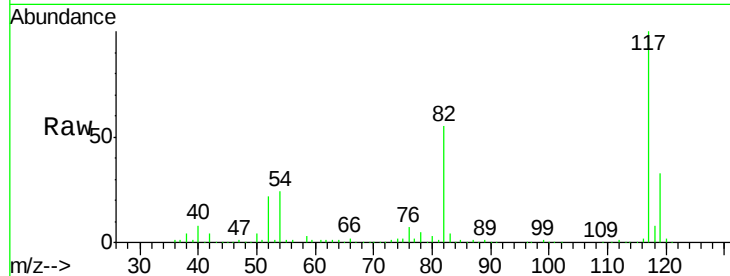
ClientSampled :

VX0616WBS01

Tot Ion:	117	Resp:	261452
Ion Ratio	Lower	Upper	
117	100		
82	54.9	45.0	67.4
119	32.6	25.8	38.6

Manual Integrations
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#64

Tetrachloroethene

Concen: 16.260 ug/l

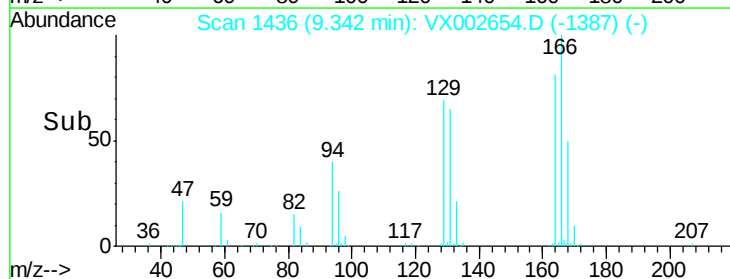
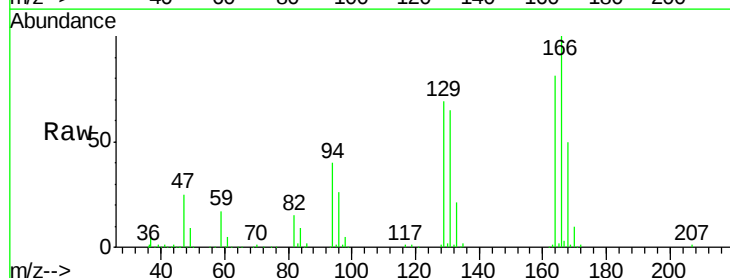
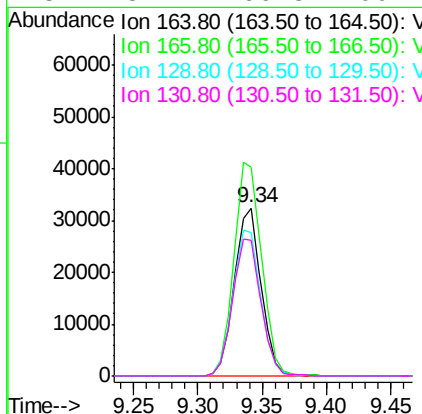
RT: 9.34 min Scan# 1436

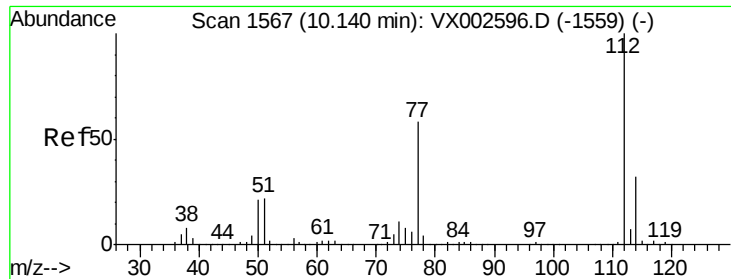
Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Tgt Ion:	164	Resp:	47191
Ion Ratio	Lower	Upper	
164	100		
166	124.1	102.9	154.3
129	85.8	68.6	102.8
131	81.1	66.8	100.2





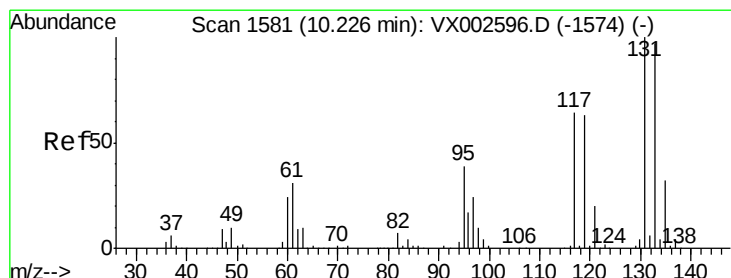
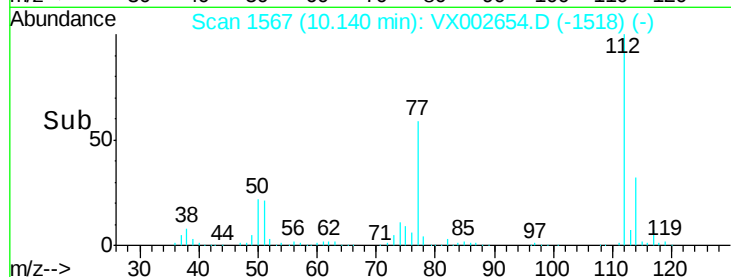
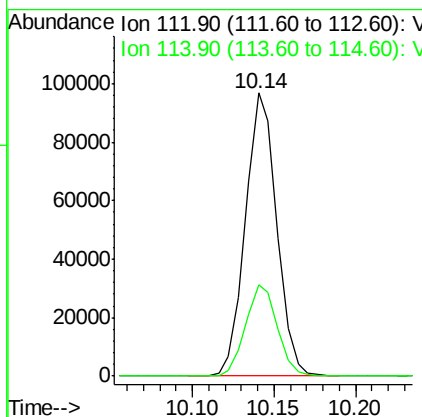
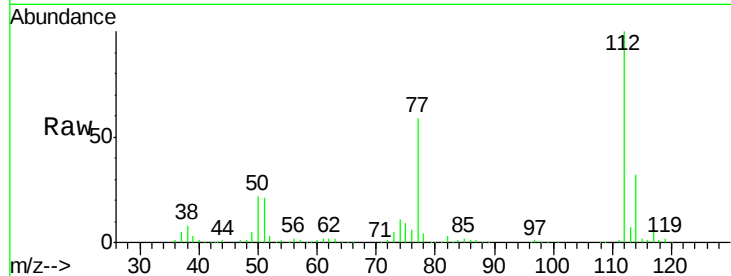
#65
Chlorobenzene
Concen: 20.231 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002654.D
Acq: 16 Jun 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBS01

Tot Ion:112 Resp: 129898
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9

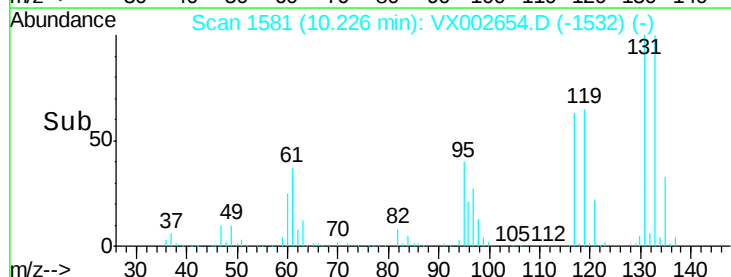
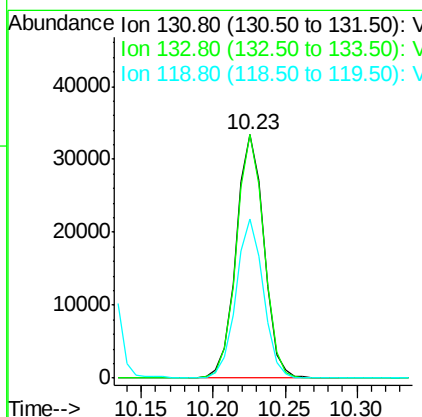
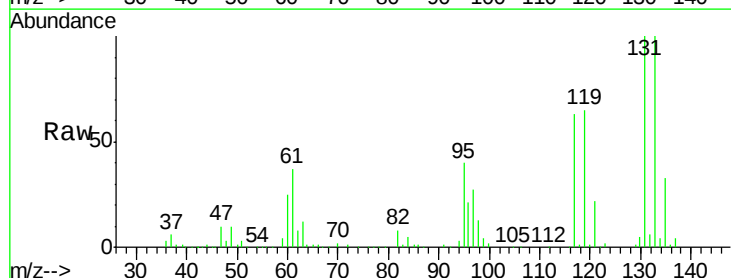
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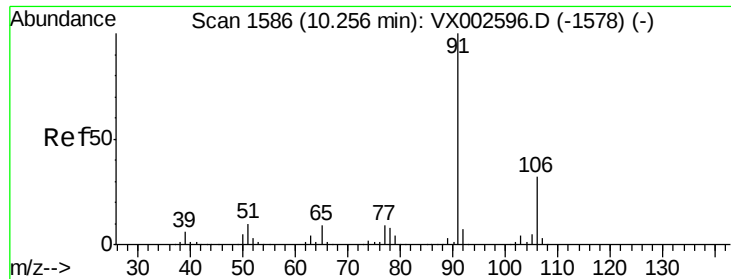
MMDadoda
6/19/2018 1:04:50 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.582 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX002654.D
Acq: 16 Jun 2018 18:32

Tgt Ion:131 Resp: 45054
Ion Ratio Lower Upper
131 100
133 98.4 47.9 143.6
119 64.4 31.8 95.3





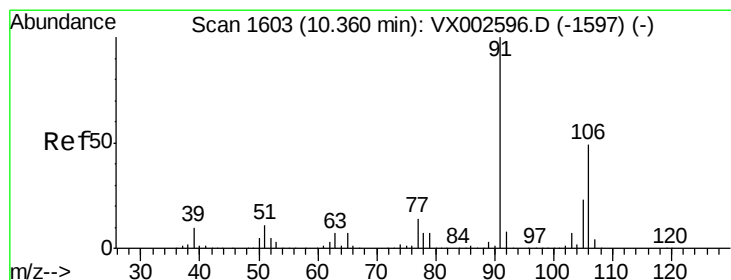
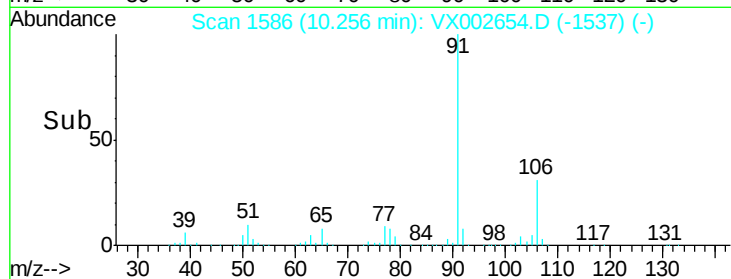
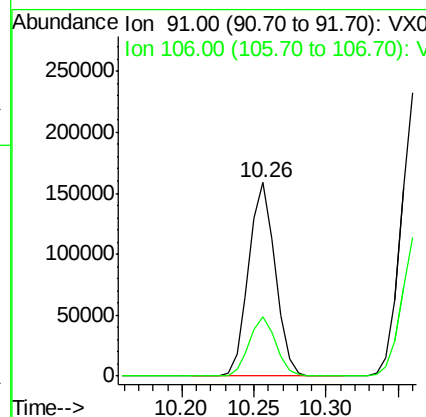
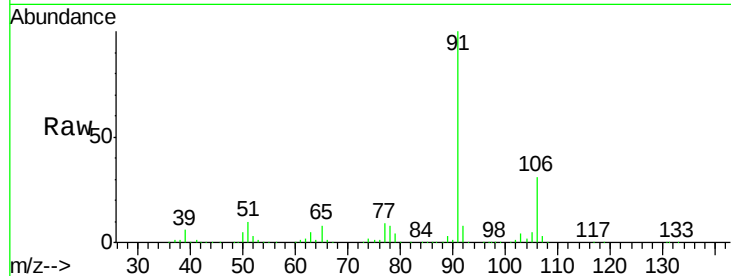
#67
Ethyl Benzene
Concen: 18.739 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002654.D
Acq: 16 Jun 2018 18:32

Instrument :
MSVOA_X
ClientSampled :
VX0616WBS01

Tot Ion: 91 Resp: 202949
Ion Ratio Lower Upper
91 100
106 30.7 25.5 38.3

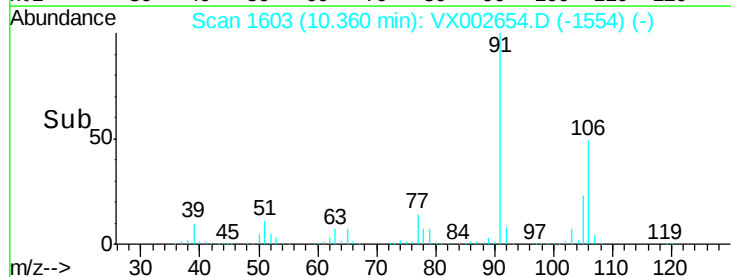
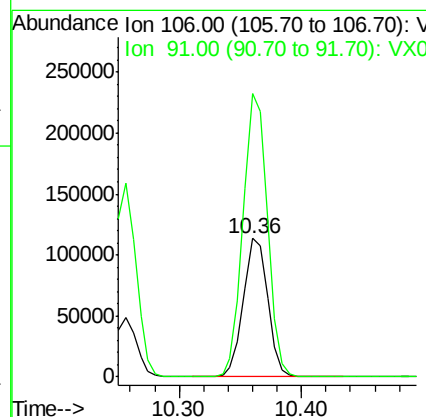
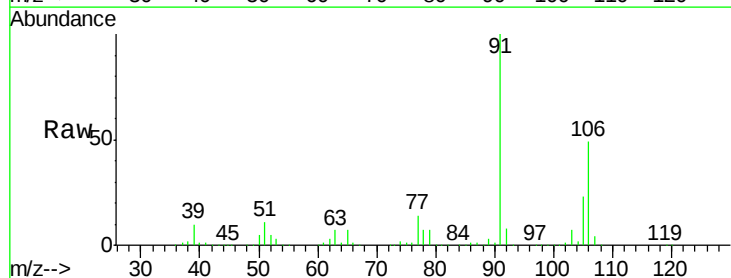
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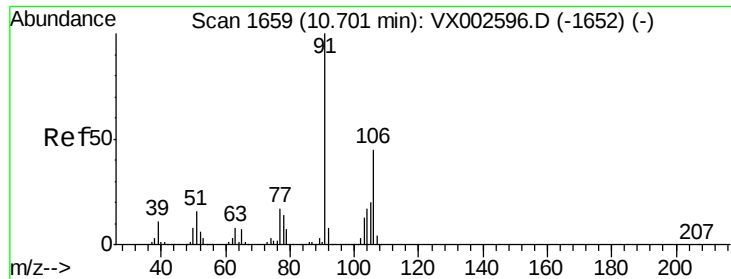
MMDadoda
6/19/2018 1:04:50 PM



#68
m/p-Xylenes
Concen: 37.452 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX002654.D
Acq: 16 Jun 2018 18:32

Tgt Ion: 106 Resp: 156460
Ion Ratio Lower Upper
106 100
91 204.3 163.4 245.2





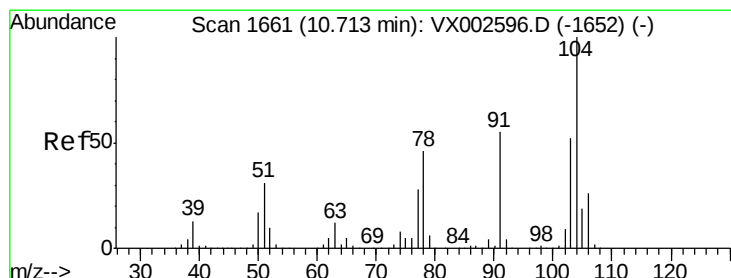
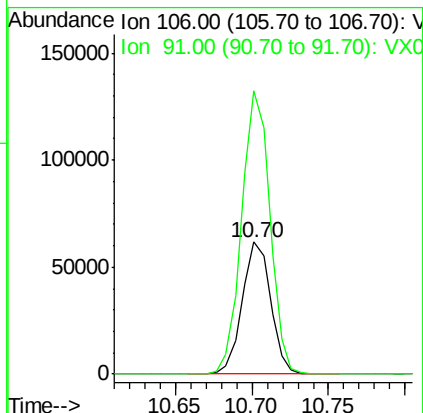
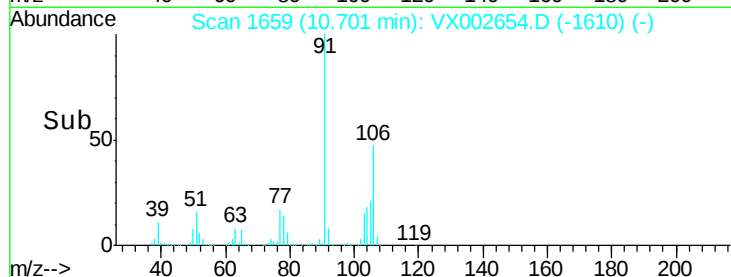
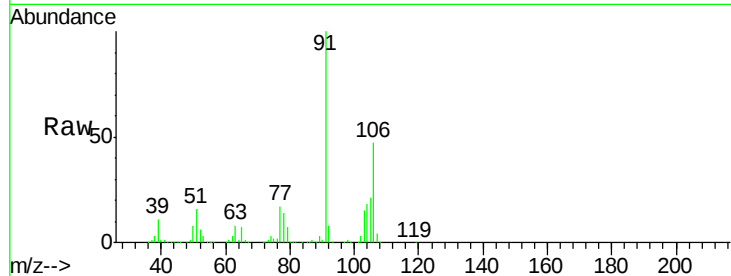
#69
o-Xylene
Concen: 19.442 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002654.D
Acq: 16 Jun 2018 18:32

Instrument :
MSVOA_X
ClientSampled :
VX0616WBS01

Tot Ion:106 Resp: 79798
Ion Ratio Lower Upper
106 100
91 213.2 108.2 324.6

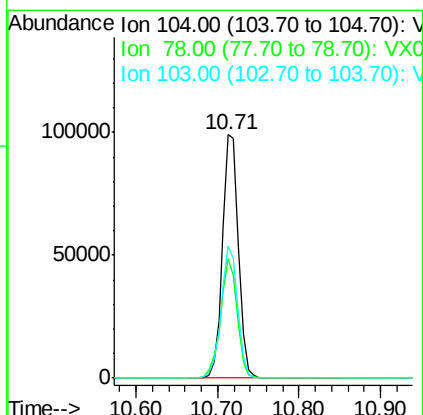
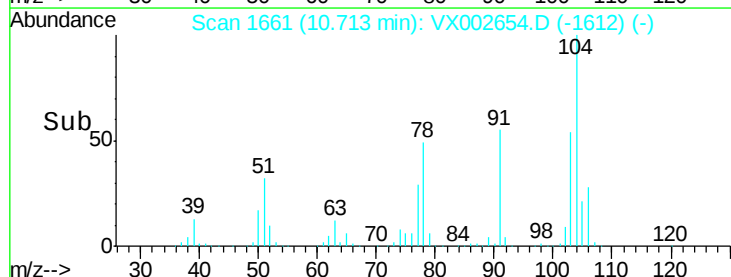
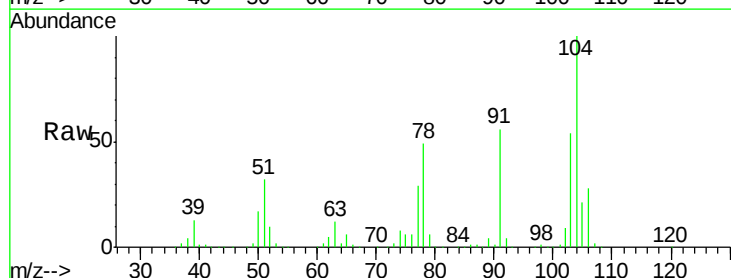
Manual Integrations
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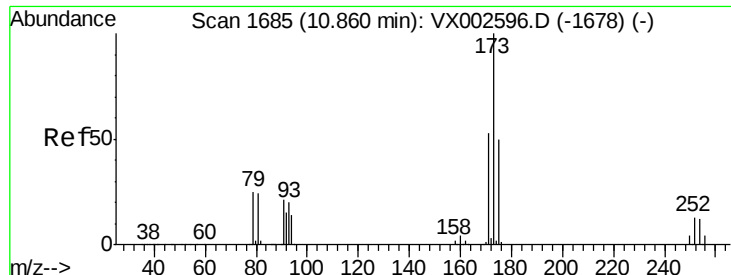
MMDadoda
6/19/2018 1:04:50 PM



#70
Styrene
Concen: 19.975 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX002654.D
Acq: 16 Jun 2018 18:32

Tgt Ion:104 Resp: 134836
Ion Ratio Lower Upper
104 100
78 51.1 41.0 61.6
103 56.2 44.2 66.4





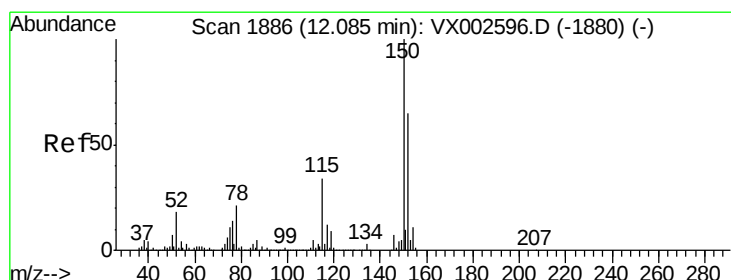
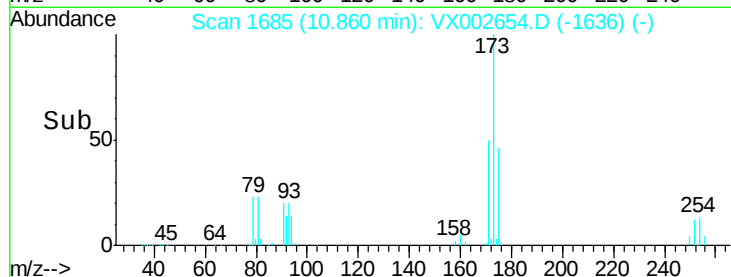
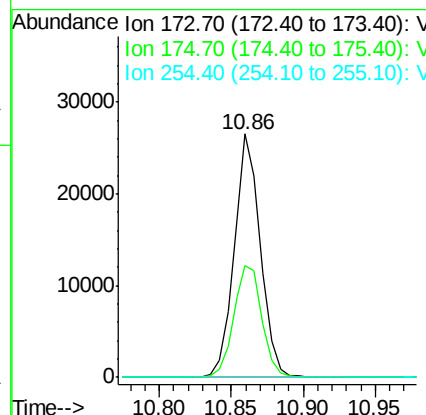
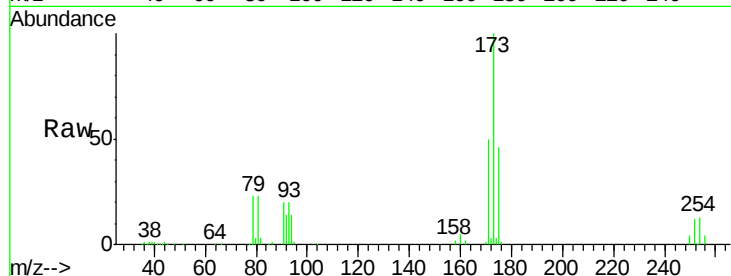
#71
Bromoform
Concen: 20.106 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002654.D
Acq: 16 Jun 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.7	74.1
254	0.1	0.2	0.2

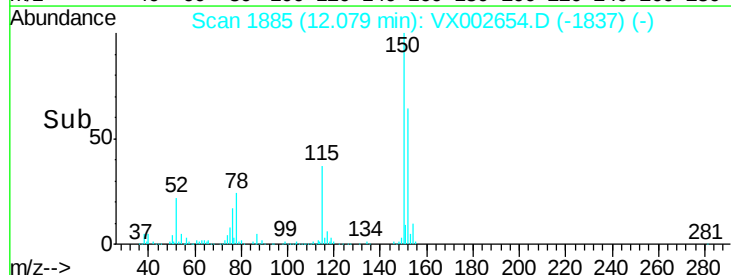
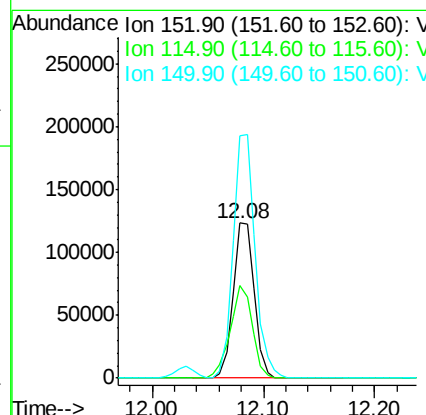
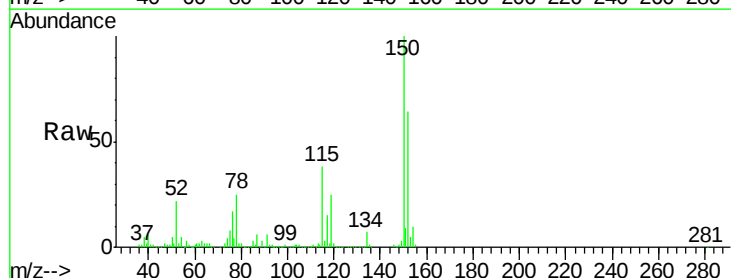
Manual Integrations
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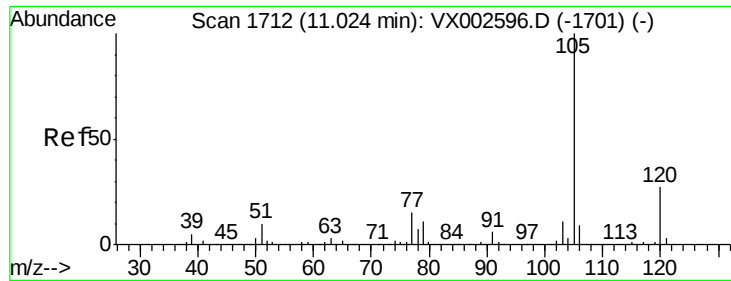
MMDadoda
6/19/2018 1:04:50 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002654.D
Acq: 16 Jun 2018 18:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.9	40.1	120.2
150	163.5	0.0	347.2





#73

Isopropylbenzene

Concen: 18.349 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0616WBS01

Tot Ion: 105 Resp: 197383

Ion Ratio Lower Upper

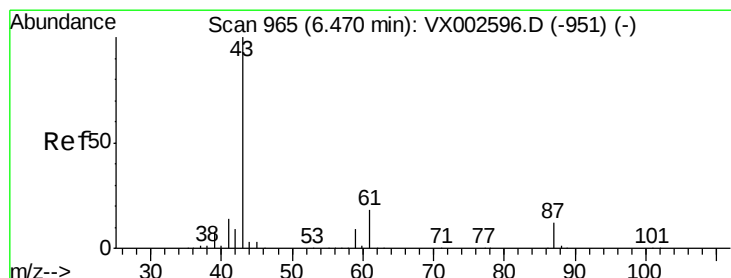
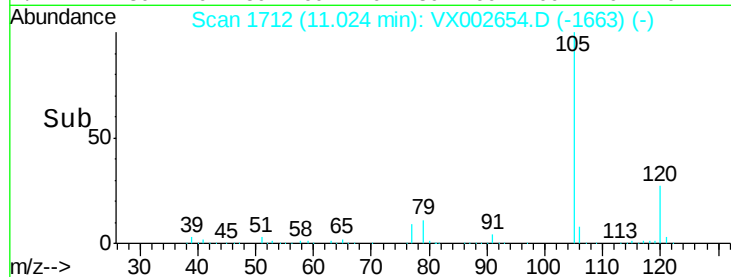
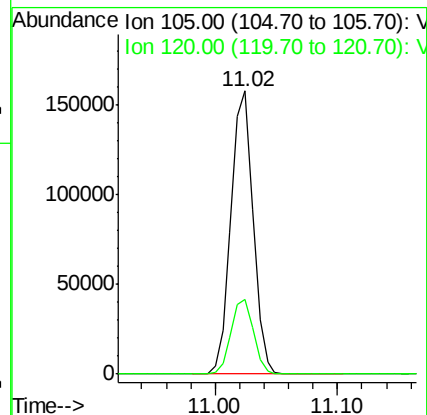
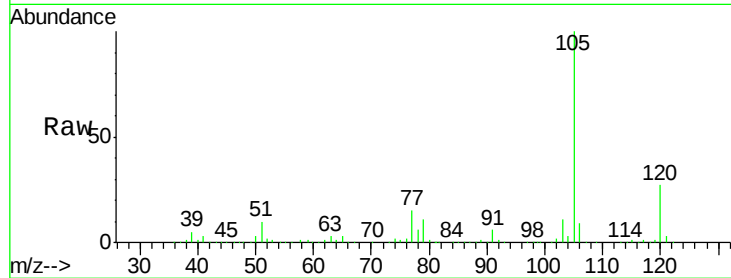
105 100

120 26.7 13.5 40.4

Manual Integrations
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6/19/2018 1:04:50 PM



#74

N-ethyl acetate

Concen: 21.021 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Tgt Ion: 43 Resp: 112351

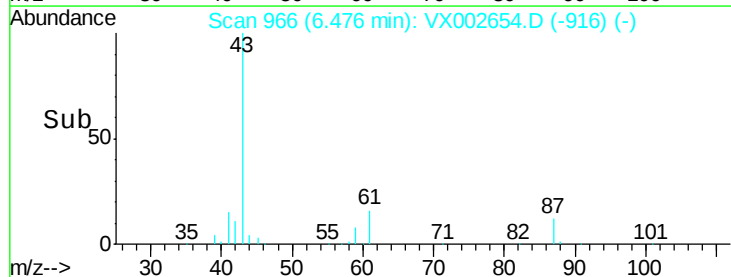
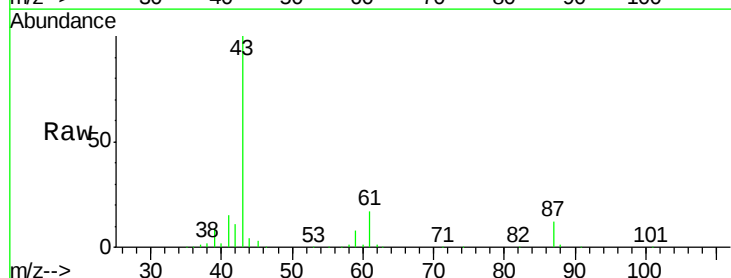
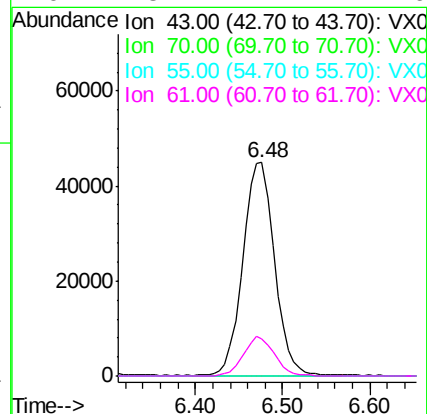
Ion Ratio Lower Upper

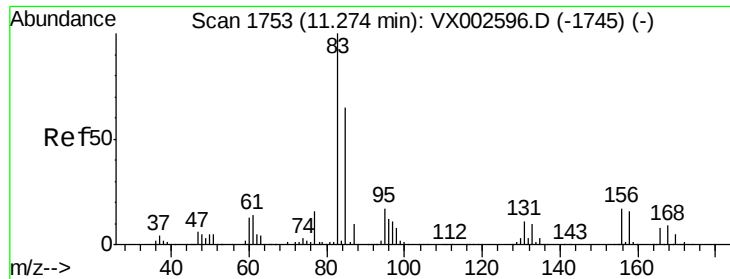
43 100

70 0.0 0.0 0.0

55 0.2 0.0 0.0#

61 18.1 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.041 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Instrument :

MSVOA_X

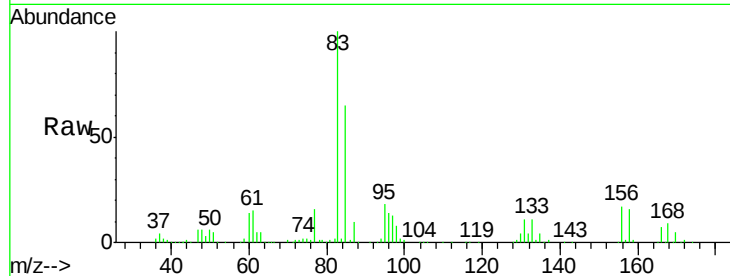
ClientSampleId :

VX0616WBS01

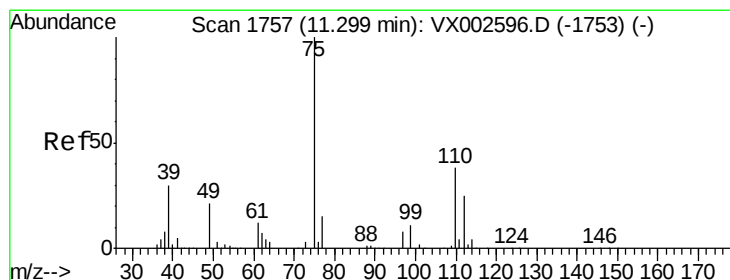
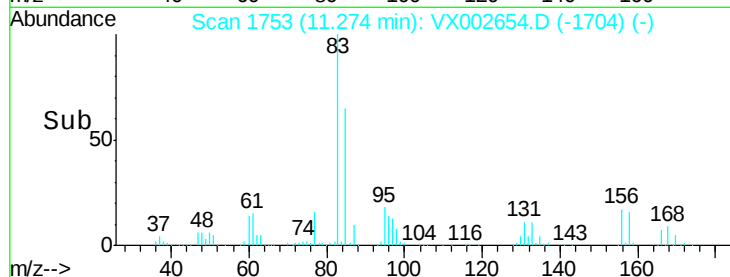
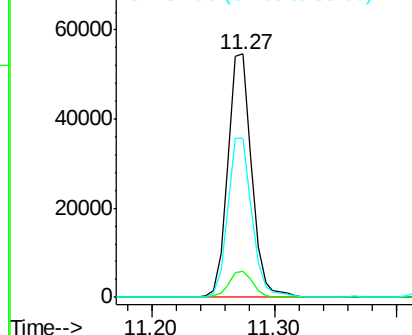
Tot Ion:	83	Resp:	73196
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.6	16.8
85	65.9	32.4	97.2

Manual Integrations
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6/19/2018 1:04:50 PM



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: 21.236 ug/l m

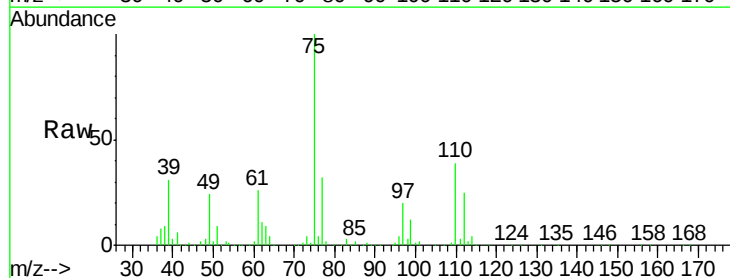
RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

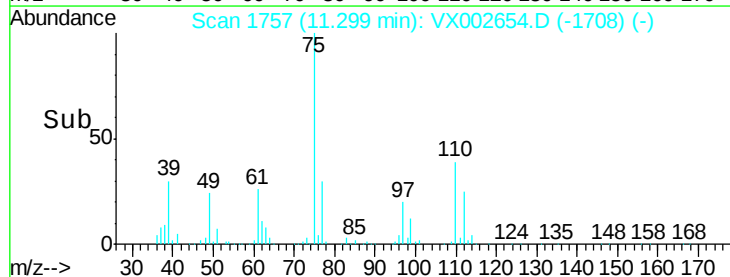
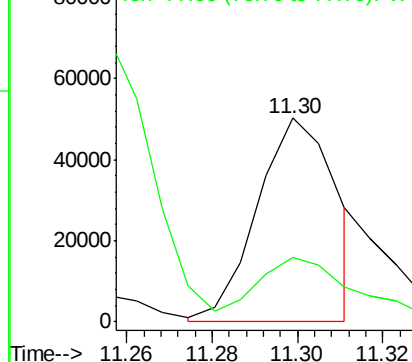
Lab File: VX002654.D

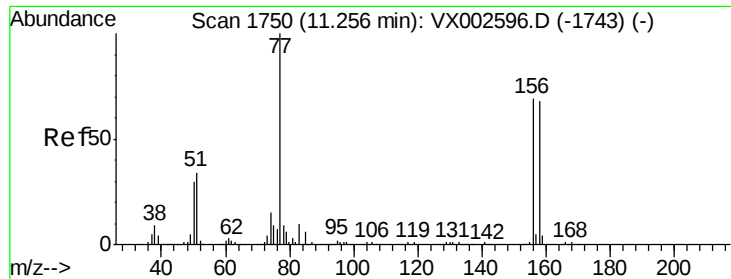
Acq: 16 Jun 2018 18:32

Tgt Ion:	75	Resp:	64452
Ion Ratio	Lower	Upper	
75	100		
77	40.1	22.8	68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





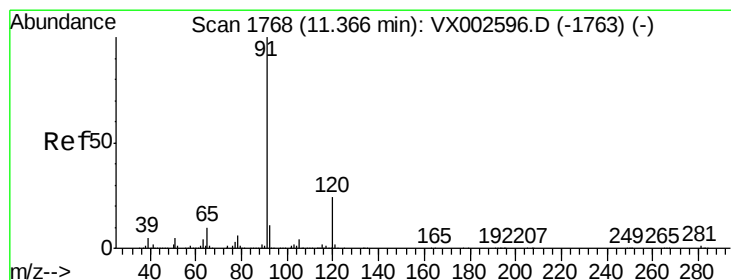
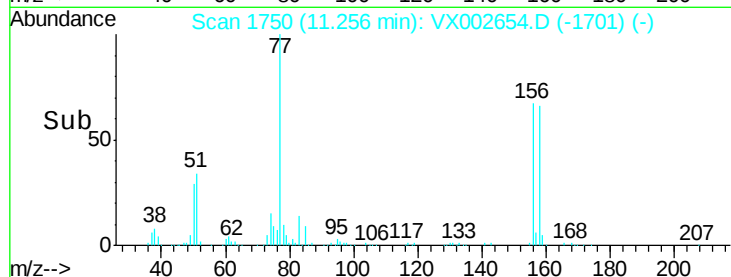
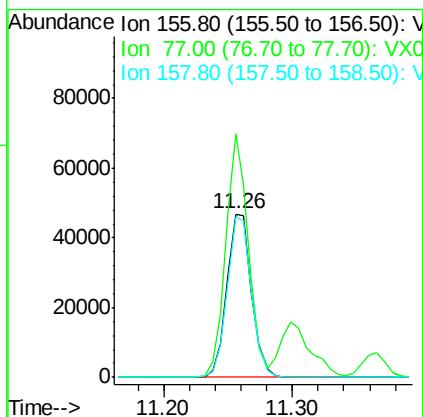
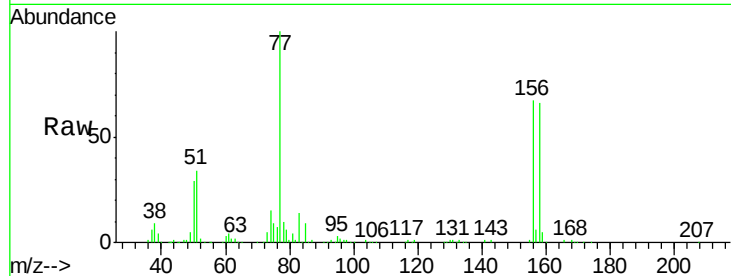
#77
Bromobenzene
Concen: 20.976 ug/l
RT: 11.26 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX002654.D
Acq: 16 Jun 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	137.5	71.4	214.2	
158	96.5	48.9	146.6	

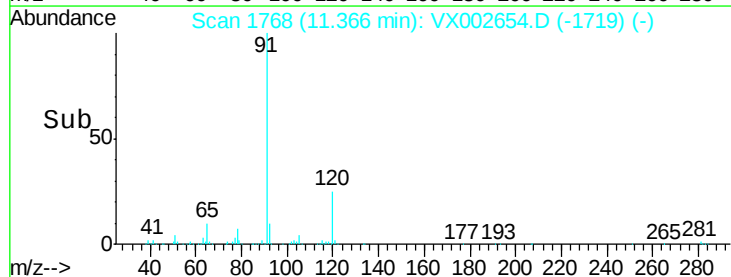
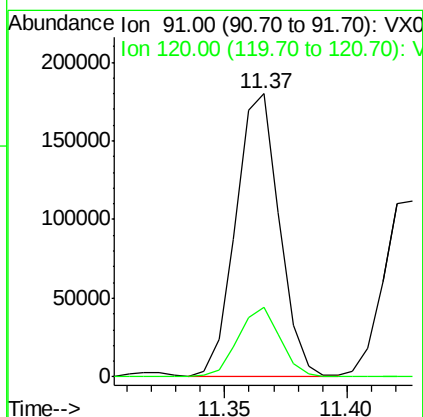
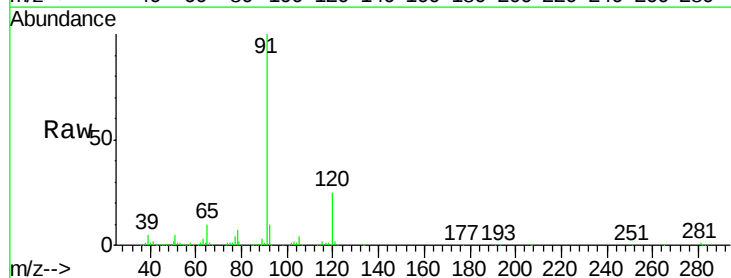
Manual Integrations
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#78
n-propylbenzene
Concen: 17.929 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. 0.00 min
Lab File: VX002654.D
Acq: 16 Jun 2018 18:32

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.0	11.8	35.4	





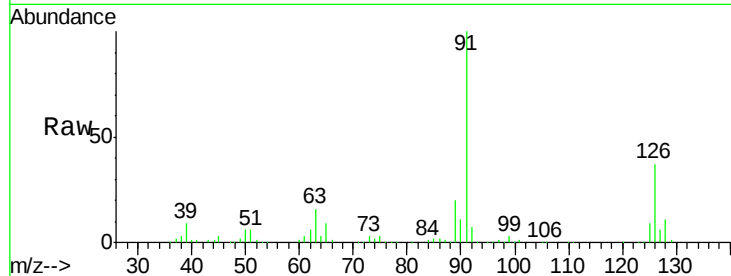
#79
2-Chlorotoluene
Concen: 19.727 ug/l
RT: 11.43 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VX002654.D
Acq: 16 Jun 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBS01

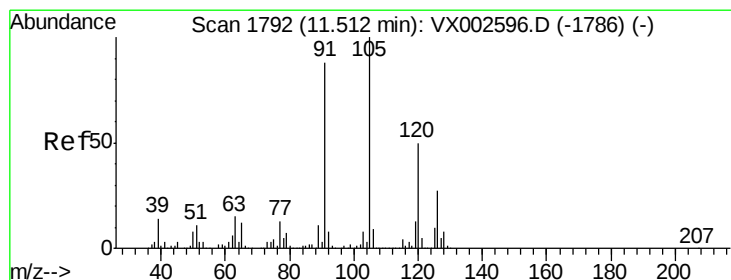
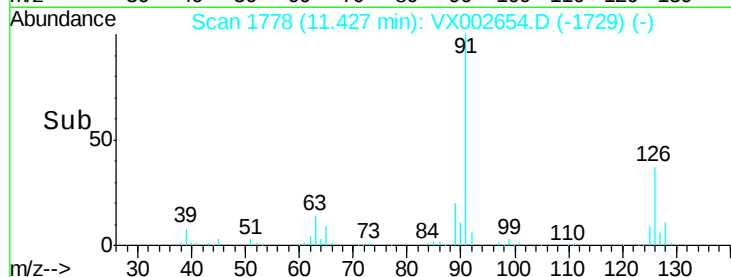
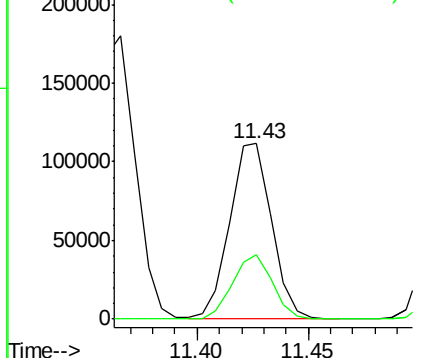
Tot Ion: 91 Resp: 145304
Ion Ratio Lower Upper
91 100
126 35.5 17.7 53.1

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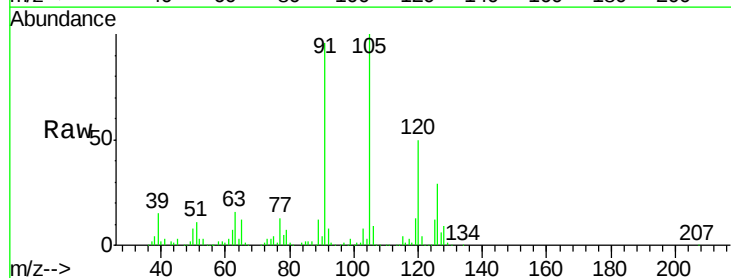


Abundance Ion 91.00 (90.70 to 91.70): VX002654.D (-1773) (-)
Ion 125.90 (125.60 to 126.60): VX002654.D (-1773) (-)

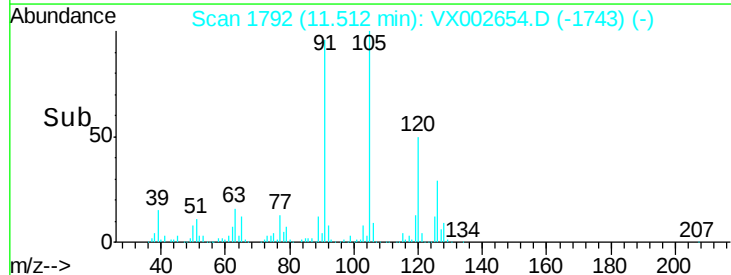
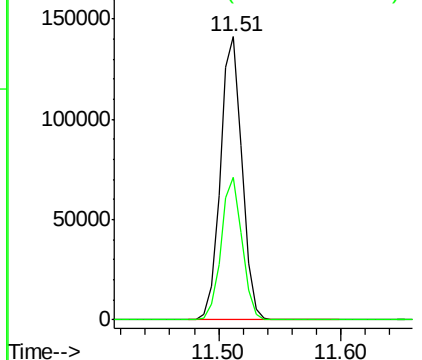


#80
1,3,5-Trimethylbenzene
Concen: 19.013 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX002654.D
Acq: 16 Jun 2018 18:32

Tgt Ion: 105 Resp: 172844
Ion Ratio Lower Upper
105 100
120 49.0 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX002654.D (-1786) (-)
Ion 120.00 (119.70 to 120.70): VX002654.D (-1786) (-)





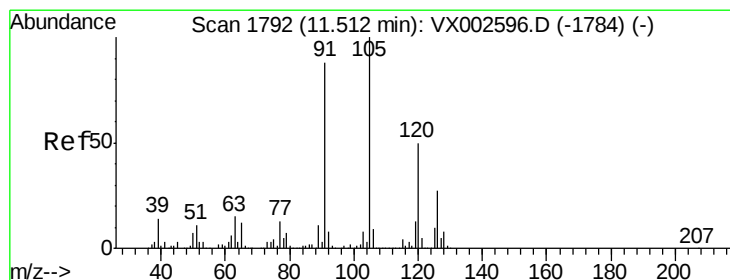
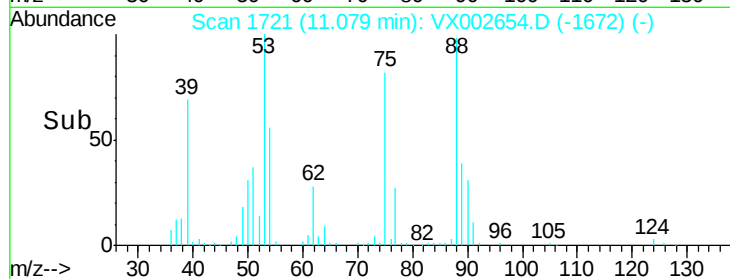
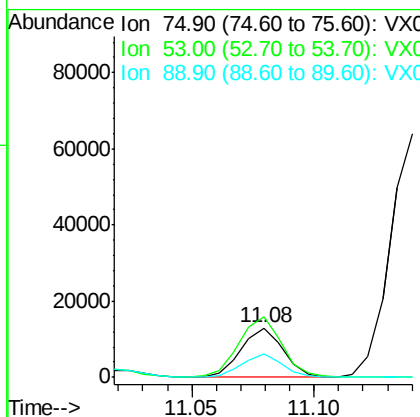
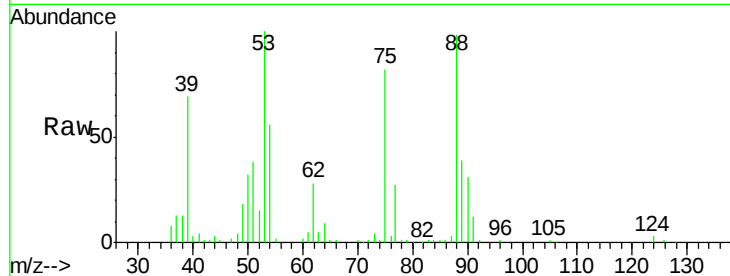
#81
trans-1,4-Dichloro-2-butene
Concen: 19.278 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX002654.D
Acq: 16 Jun 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	126.1	86.8	130.2
89	46.2	38.2	57.2

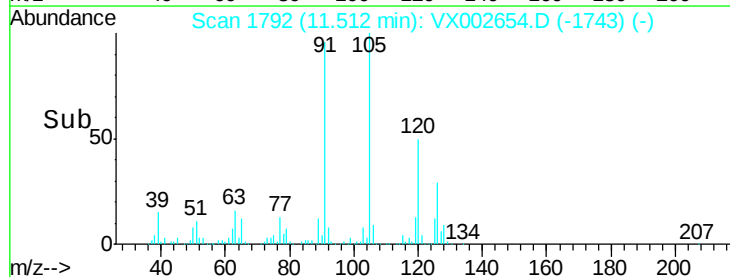
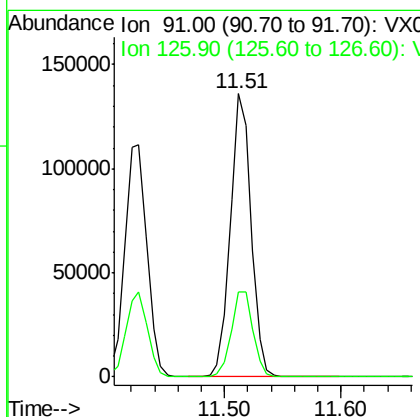
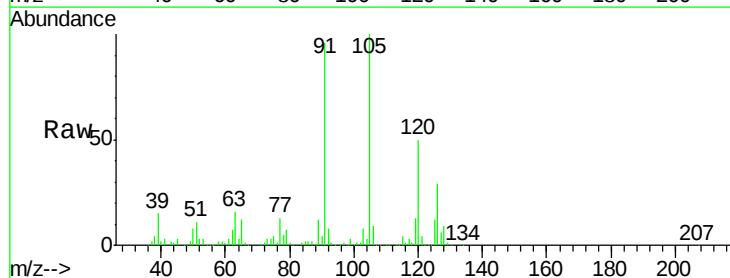
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#82
4-Chlorotoluene
Concen: 19.507 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX002654.D
Acq: 16 Jun 2018 18:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.4	46.4





#83

tert-Butylbenzene

Concen: 18.354 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

VX0616WBS01

Tot Ion:119 Resp: 160738

Ion Ratio Lower Upper

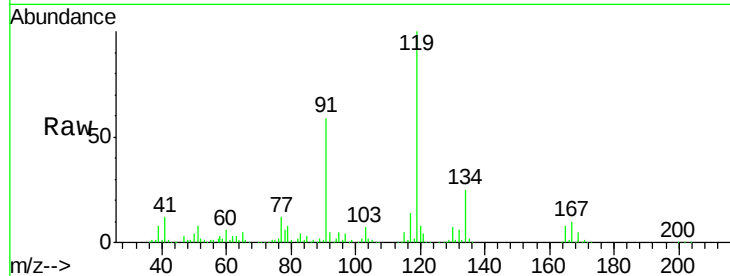
119 100

91 57.5 30.3 90.9

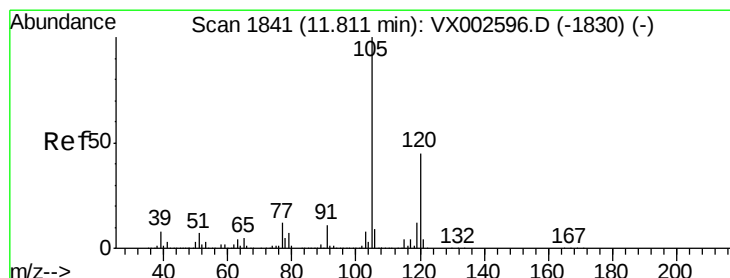
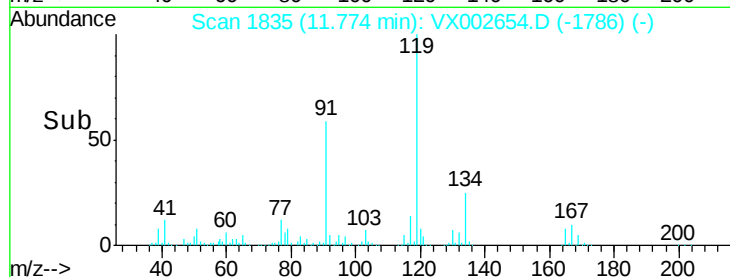
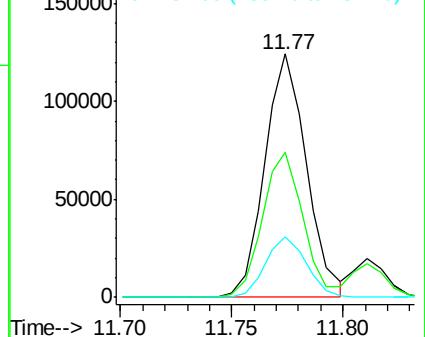
134 24.6 11.7 35.1

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.784 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX002654.D

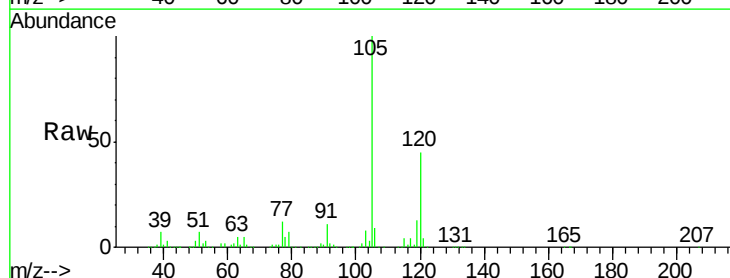
Acq: 16 Jun 2018 18:32

Tgt Ion:105 Resp: 183523

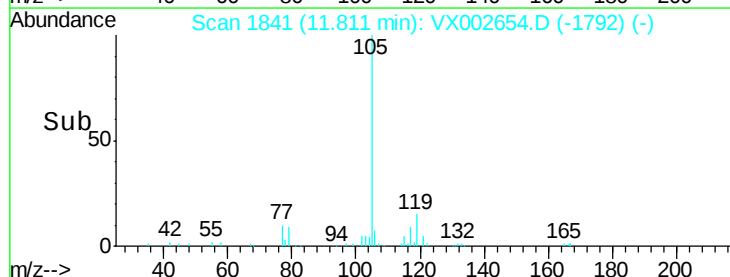
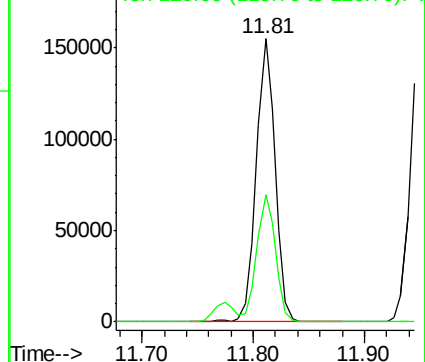
Ion Ratio Lower Upper

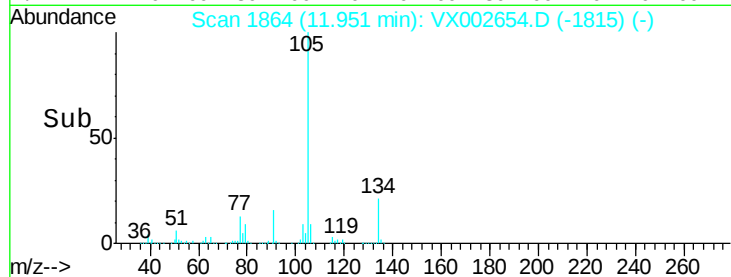
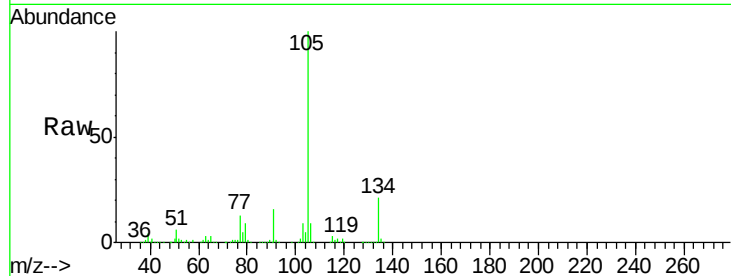
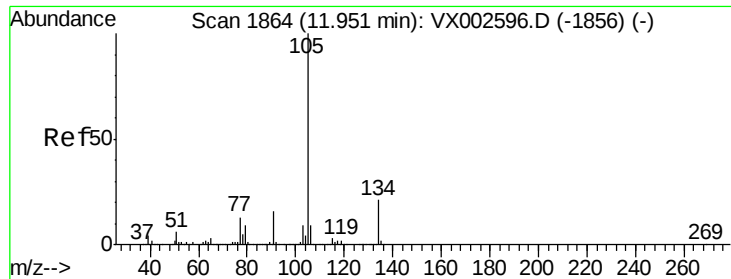
105 100

120 44.7 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 16.802 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Tot Ion:105 Resp: 182972

Ion Ratio Lower Upper

105 100

134 21.2 10.4 31.1

Instrument :

MSVOA_X

ClientSampleId :

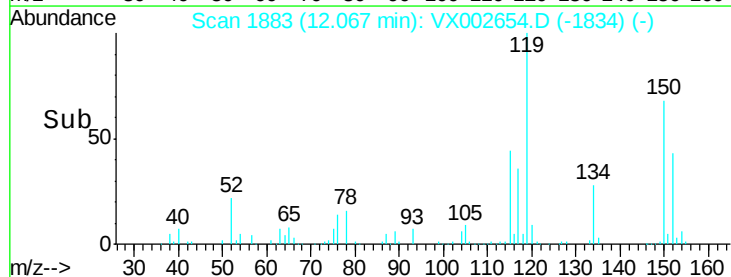
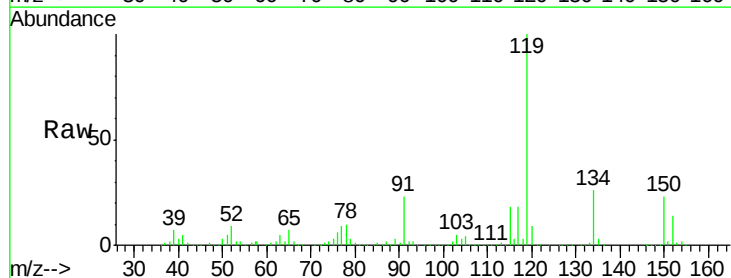
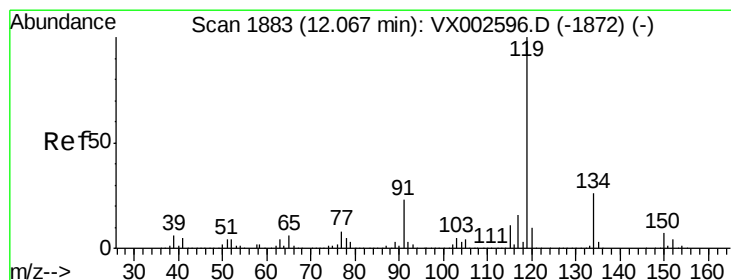
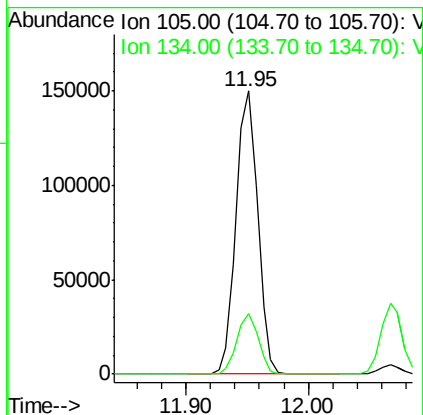
VX0616WBS01

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#86

p-Isopropyltoluene

Concen: 17.291 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

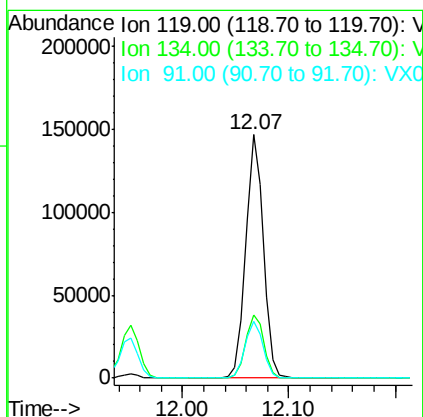
Tgt Ion:119 Resp: 170365

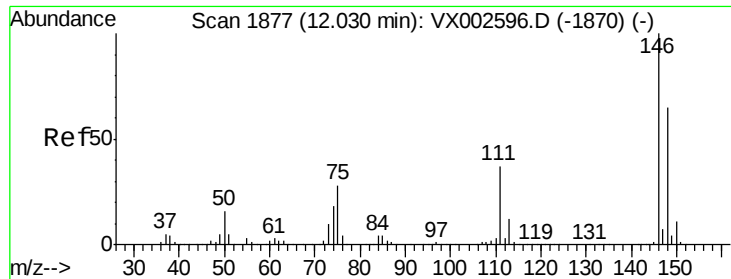
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 24.1 11.9 35.7





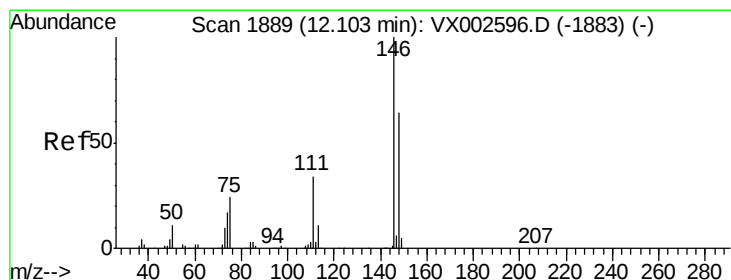
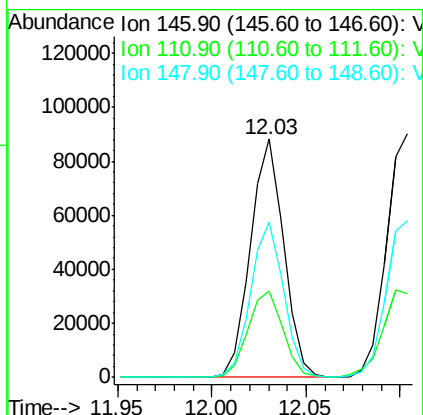
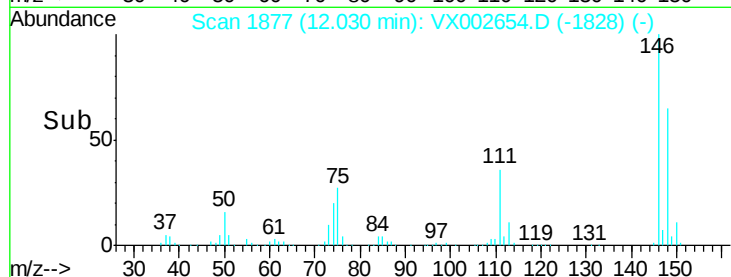
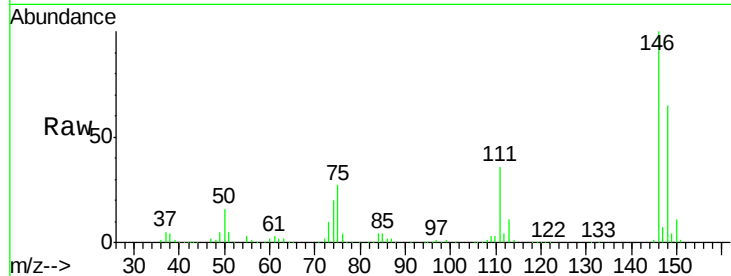
#87
 1,3-Dichlorobenzene
 Concen: 19.678 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002654.D
 Acq: 16 Jun 2018 18:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0616WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.7
148	64.4	32.1	96.3

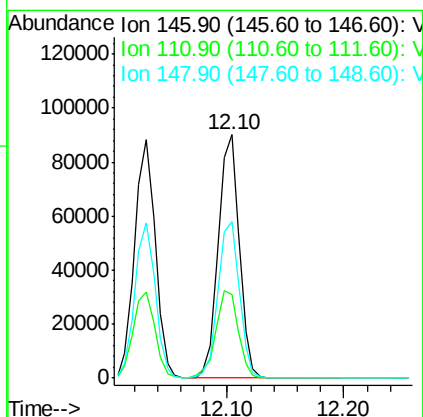
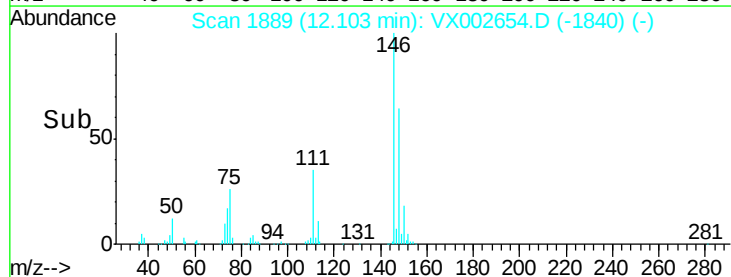
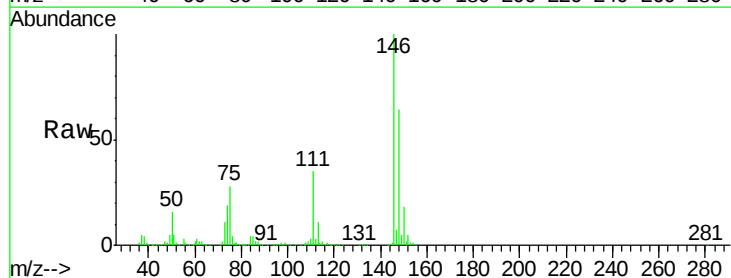
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#88
 1,4-Dichlorobenzene
 Concen: 19.975 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002654.D
 Acq: 16 Jun 2018 18:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.7	56.1
148	65.7	32.4	97.0





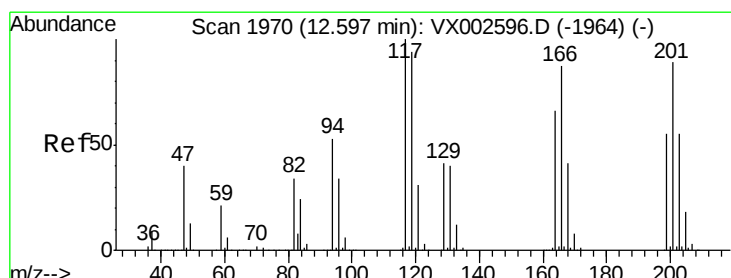
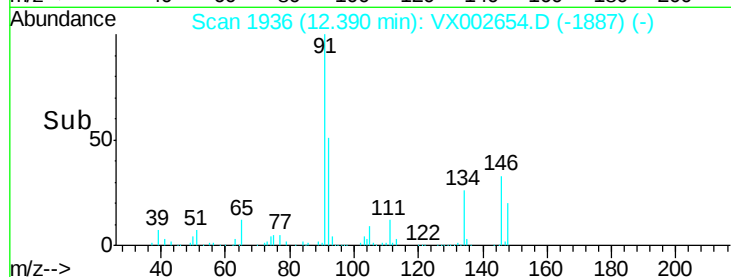
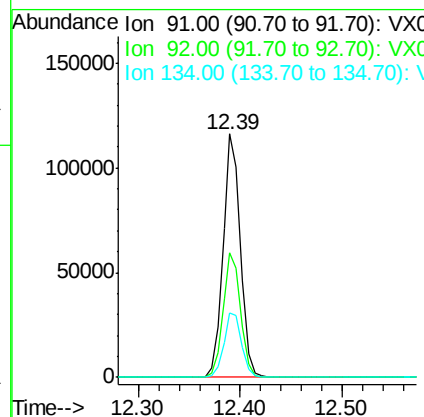
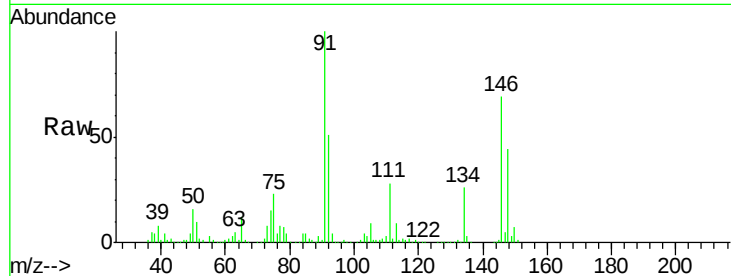
#89
n-Butylbenzene
Concen: 15.942 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002654.D
Acq: 16 Jun 2018 18:32

Instrument :
MSVOA_X
ClientSampleId :
VX0616WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.0	78.0
134	27.1	13.5	40.5

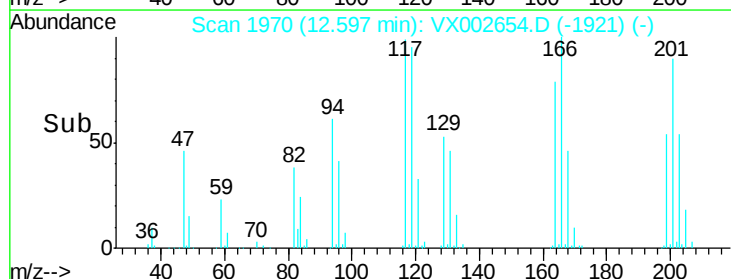
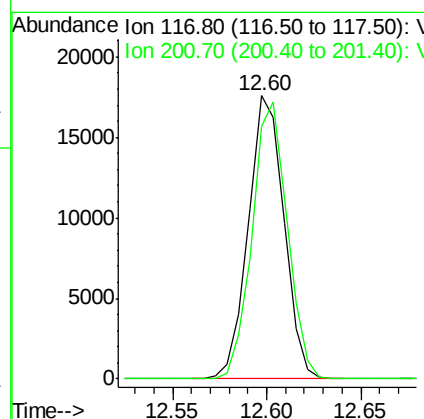
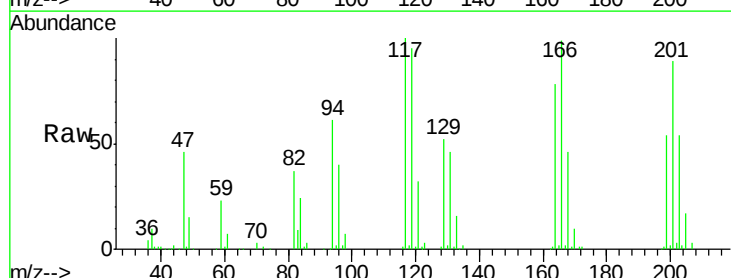
Manual Integrations
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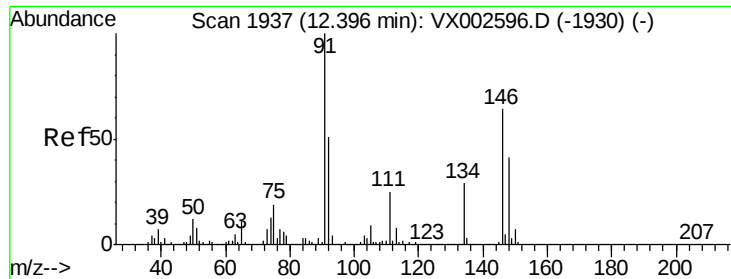
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#90
Hexachloroethane
Concen: 16.846 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX002654.D
Acq: 16 Jun 2018 18:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.5	49.0	147.0





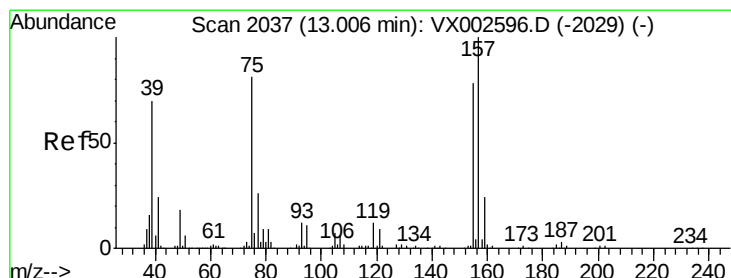
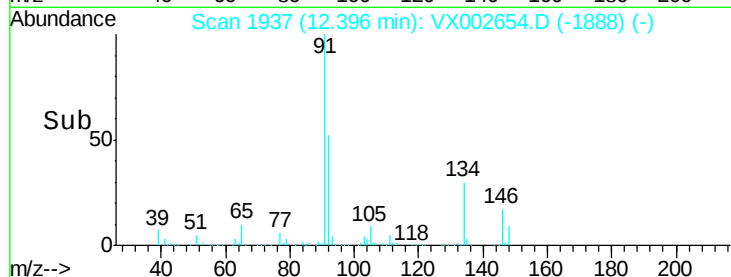
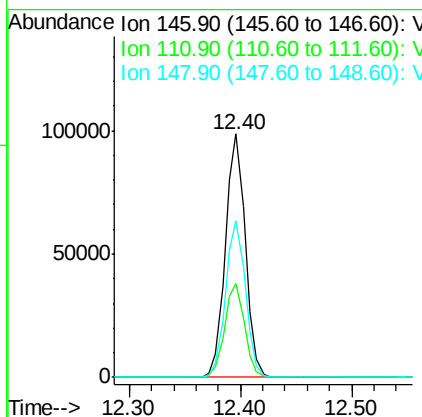
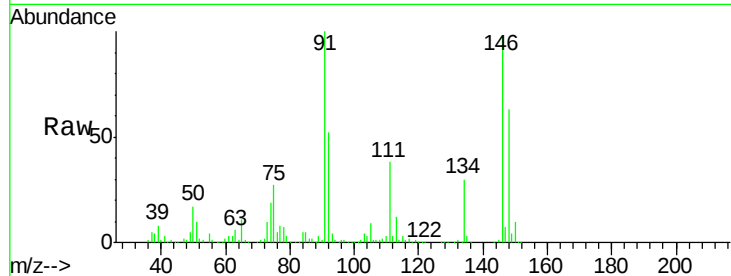
#91
 1,2-Dichlorobenzene
 Concen: 22.026 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX002654.D
 Acq: 16 Jun 2018 18:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0616WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	121837		
111	38.4	19.4	58.1	
148	64.5	31.7	95.1	

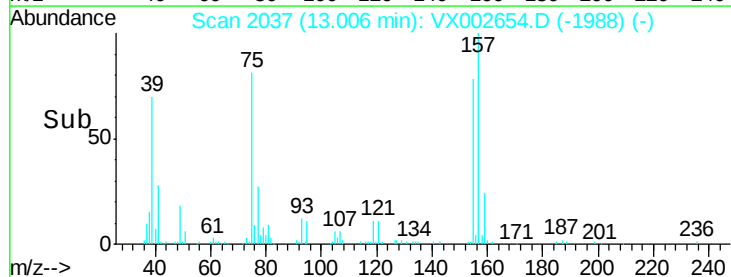
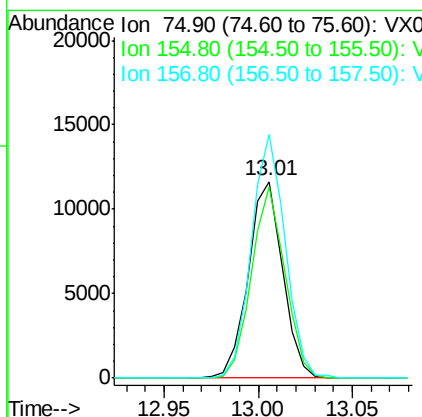
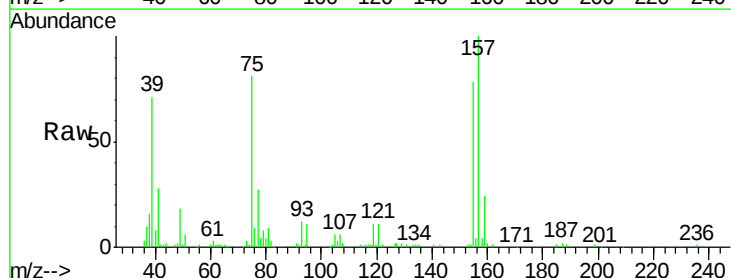
Manual Integrations
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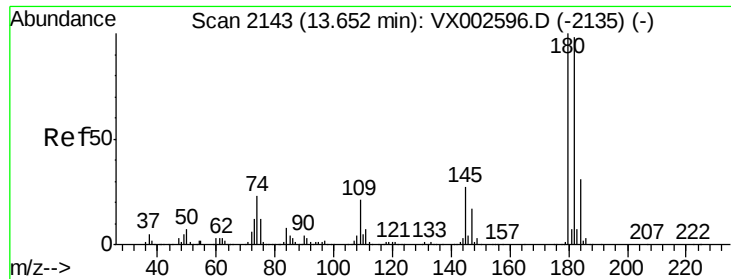
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.169 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX002654.D
 Acq: 16 Jun 2018 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	14751		
155	94.3	45.8	137.4	
157	121.3	60.1	180.3	





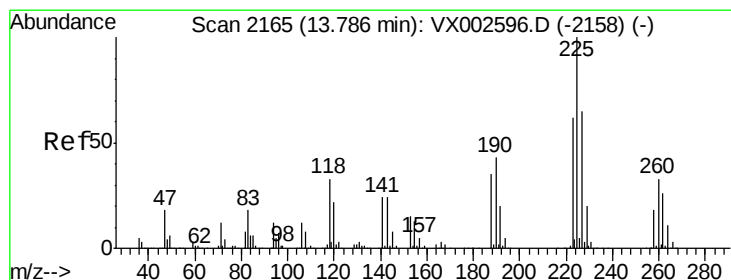
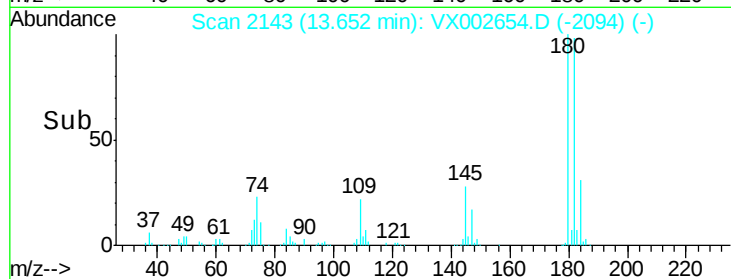
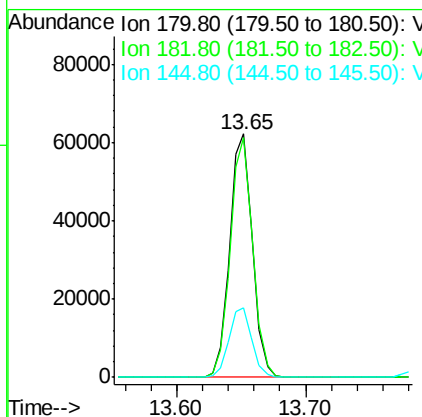
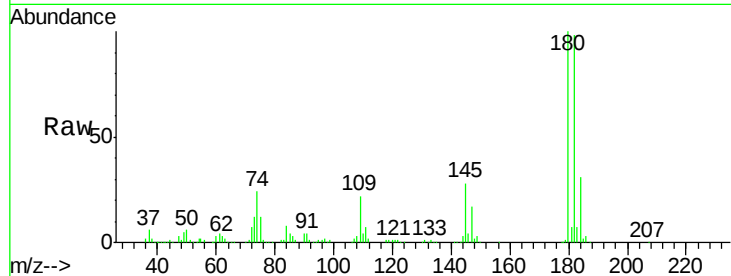
#93
 1,2,4-Trichlorobenzene
 Concen: 19.130 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002654.D
 Acq: 16 Jun 2018 18:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0616WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	47.7	143.1
145	28.8	14.1	42.4

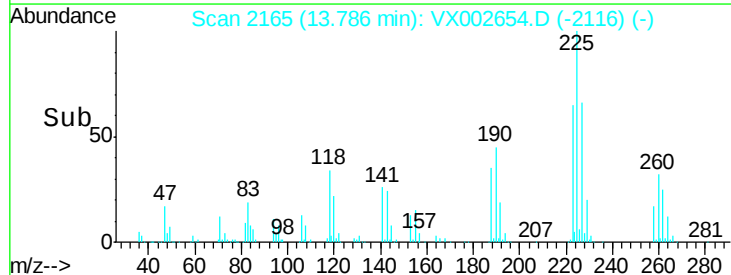
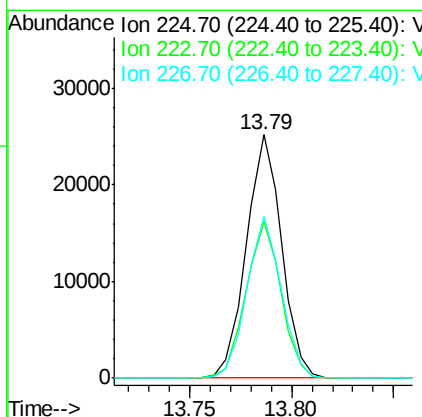
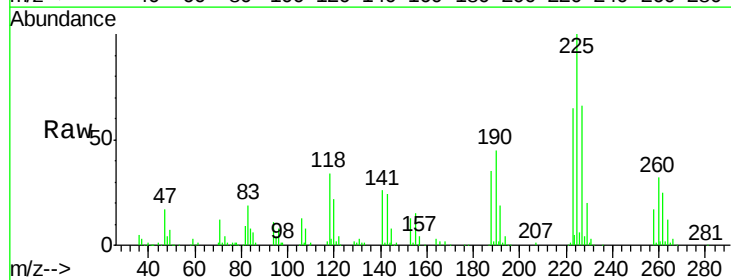
Manual Integrations
 APPROVED

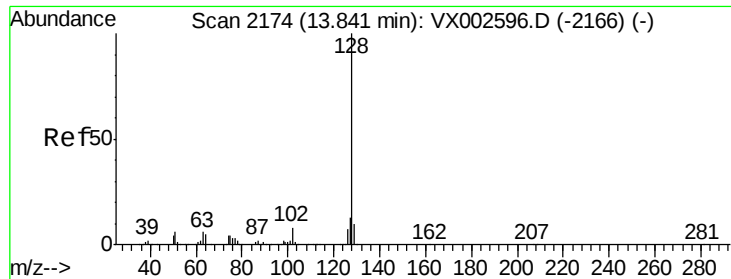
MMDadoda
 6/19/2018 1:04:50 PM



#94
 Hexachlorobutadiene
 Concen: 14.295 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002654.D
 Acq: 16 Jun 2018 18:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.6	95.0
227	64.7	32.4	97.2





#95

Naphthalene

Concen: 21.854 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Instrument :

MSVOA_X

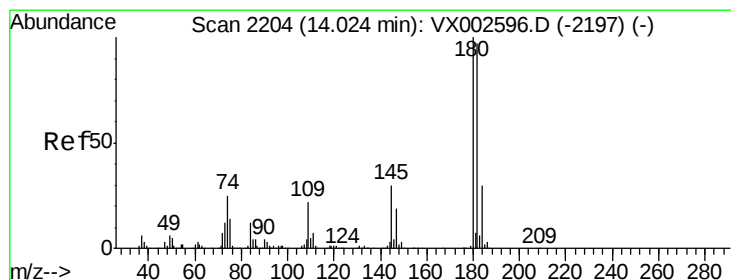
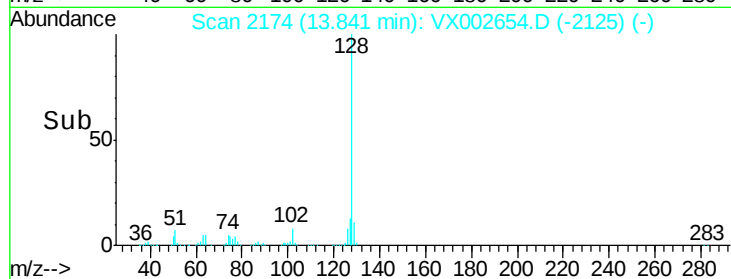
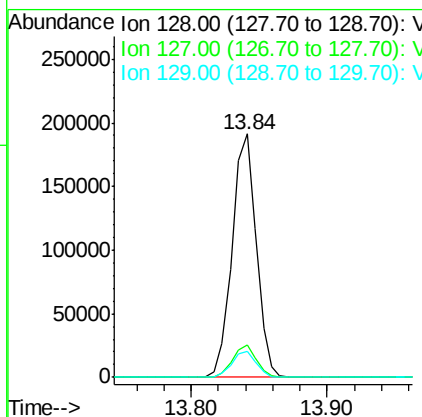
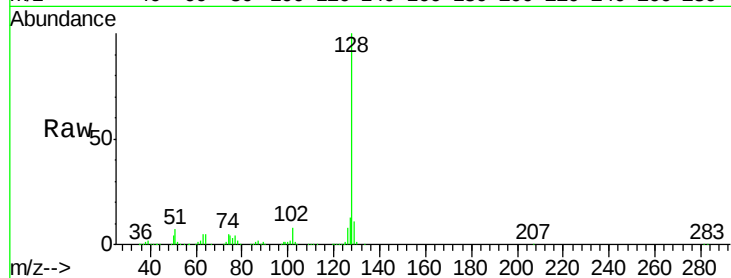
ClientSampleId :

VX0616WBS01

Tot Ion:	128	Resp:	236081
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:04:50 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.456 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX002654.D

Acq: 16 Jun 2018 18:32

Tgt Ion:	180	Resp:	82479
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.0	144.0
145	29.2	14.8	44.3

