

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061818\
 Data File : VX002693.D
 Acq On : 18 Jun 2018 22:21
 Operator : JC/MD
 Sample : VX0618WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/19/2018 1:05:34 PM

Quant Time: Jun 19 06:02:49 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	211128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	298965	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	284506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	178486	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	153339	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
35) Dibromofluoromethane	5.51	113	121109	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
50) Toluene-d8	8.72	98	446674	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
62) 4-Bromofluorobenzene	11.14	95	164736	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	38685	17.260	ug/l	98
3) Chloromethane	1.32	50	41637	15.617	ug/l	98
4) Vinyl Chloride	1.40	62	47859	17.298	ug/l	95
5) Bromomethane	1.64	94	29003	17.374	ug/l	98
6) Chloroethane	1.72	64	33371	18.300	ug/l	99
7) Trichlorofluoromethane	1.93	101	87373	19.438	ug/l	98
8) Diethyl Ether	2.19	74	32201	18.835	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	49459	19.684	ug/l	98
10) Methyl Iodide	2.51	142	38276	15.300	ug/l	98
11) Tert butyl alcohol	3.08	59	68826	103.771	ug/l	97
12) 1,1-Dichloroethene	2.37	96	44017	18.659	ug/l	99
13) Acrolein	2.30	56	20033	69.523	ug/l	100
14) Allyl chloride	2.73	41	85689	18.294	ug/l	99
15) Acrylonitrile	3.15	53	143718	99.300	ug/l	99
16) Acetone	2.45	43	136667	96.551	ug/l	99
17) Carbon Disulfide	2.57	76	103021	18.413	ug/l	99
18) Methyl Acetate	2.78	43	80166	21.258	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	167390	18.915	ug/l	98
20) Methylene Chloride	2.86	84	49845	17.174	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	46636	18.222	ug/l	97
22) Diisopropyl ether	3.88	45	161940	19.109	ug/l	99
23) Vinyl Acetate	3.83	43	735705	103.725	ug/l	100
24) 1,1-Dichloroethane	3.70	63	94528	20.552	ug/l	99
25) 2-Butanone	4.71	43	193211	103.938	ug/l	97
26) 2,2-Dichloropropane	4.59	77	51151	15.477	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	49889	19.158	ug/l	98
28) Bromochloromethane	5.03	49	44036	20.444	ug/l	96
29) Tetrahydrofuran	5.17	42	125100	102.685	ug/l	97
30) Chloroform	5.22	83	88465	19.945	ug/l	99
31) Cyclohexane	5.58	56	71533	18.889	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	74735	20.146	ug/l	99
36) 1,1-Dichloropropene	5.80	75	61855	19.481	ug/l	98
37) Ethyl Acetate	4.87	43	73910	20.566	ug/l	100
38) Carbon Tetrachloride	5.79	117	66218	20.943	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	71495	19.261	ug/l	97
40) Benzene	6.15	78	187181	19.660	ug/l	97
41) Methacrylonitrile	5.07	41	42068	20.732	ug/l	97
42) 1,2-Dichloroethane	6.20	62	74512	20.215	ug/l	100
43) Isopropyl Acetate	6.48	43	119324	20.040	ug/l	99
44) Trichloroethene	7.22	130	53838	19.592	ug/l	96
45) 1,2-Dichloropropane	7.53	63	49045	19.573	ug/l	99
46) Dibromomethane	7.67	93	34828	20.779	ug/l	100
47) Bromodichloromethane	7.90	83	61897	20.937	ug/l	99
48) Methyl methacrylate	7.78	41	61564	20.233	ug/l	97
49) 1,4-Dioxane	7.76	88	24883	431.825	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	400065	104.643	ug/l	99
52) Toluene	8.79	92	119254	19.636	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	67849	18.902	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	61287	18.575	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	51553	21.007	ug/l	98
56) Ethyl methacrylate	9.18	69	74885	19.829	ug/l	98
57) 1,3-Dichloropropane	9.38	76	82665	19.917	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	180917	99.045	ug/l	98
59) 2-Hexanone	9.50	43	305034	105.882	ug/l	99
60) Dibromochloromethane	9.59	129	49309	20.279	ug/l	98
61) 1,2-Dibromoethane	9.68	107	51955	20.442	ug/l	99
64) Tetrachloroethene	9.34	164	59988	18.995	ug/l	97
65) Chlorobenzene	10.14	112	139407	19.952	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	51106	21.455	ug/l	99
67) Ethyl Benzene	10.26	91	234196	19.872	ug/l	99
68) m/p-Xylenes	10.37	106	181172	39.853	ug/l	99
69) o-Xylene	10.70	106	87734	19.643	ug/l	100
70) Styrene	10.71	104	145912	19.865	ug/l	99
71) Bromoform	10.86	173	36413	20.006	ug/l #	99
73) Isopropylbenzene	11.02	105	241634	20.242	ug/l	99
74) N-amyl acetate	6.48	43	119324	20.119	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	77751	22.056	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	73626m	21.860	ug/l	
77) Bromobenzene	11.26	156	66814	20.091	ug/l	97
78) n-propylbenzene	11.37	91	272701	19.919	ug/l	100
79) 2-Chlorotoluene	11.43	91	162653	19.899	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	203311	20.153	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	15728	17.876	ug/l	90
82) 4-Chlorotoluene	11.51	91	191495	19.855	ug/l	100
83) tert-Butylbenzene	11.77	119	199780	20.557	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	209322	20.334	ug/l	99
85) sec-Butylbenzene	11.95	105	244894	20.265	ug/l	100
86) p-Isopropyltoluene	12.07	119	219729	20.096	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	121315	19.891	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	121842	19.634	ug/l	99
89) n-Butylbenzene	12.39	91	181484	18.815	ug/l	100
90) Hexachloroethane	12.60	117	29346	18.939	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	125664	20.472	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	15821	21.426	ug/l	95

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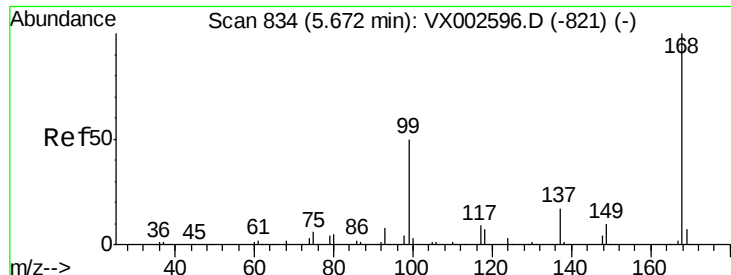
Manual Integrations
APPROVED

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6/19/2018 1:05:34 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
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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	88527	19.871	ug/l	99
94) Hexachlorobutadiene	13.79	225	44914	19.139	ug/l	99
95) Naphthalene	13.84	128	254692	21.246	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	92538	20.682	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS02

Tot Ion:168 Resp: 211128

Ion Ratio Lower Upper

168 100

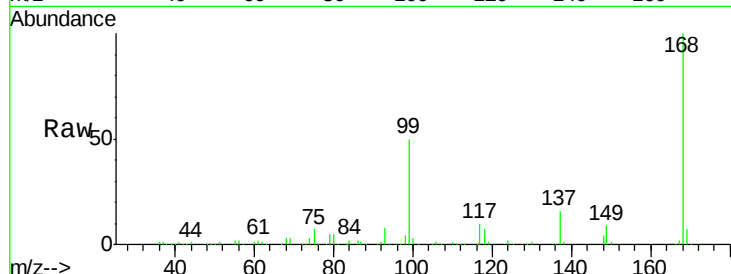
99 49.9 39.3 58.9

Manual Integrations

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6/19/2018 1:05:34 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

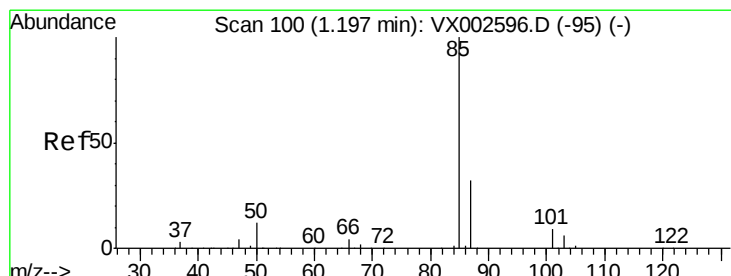
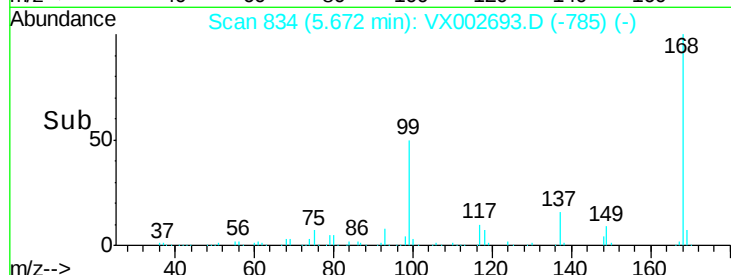
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 17.260 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002693.D

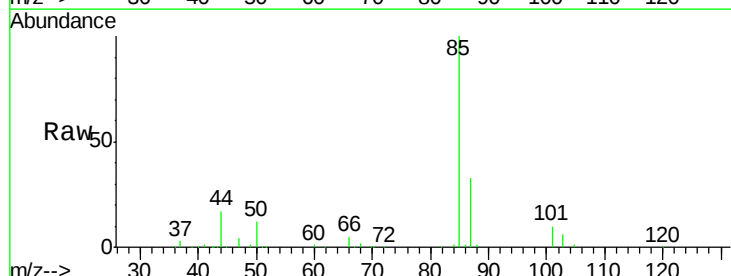
Acq: 18 Jun 2018 22:21

Tgt Ion: 85 Resp: 38685

Ion Ratio Lower Upper

85 100

87 33.3 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

40000

30000

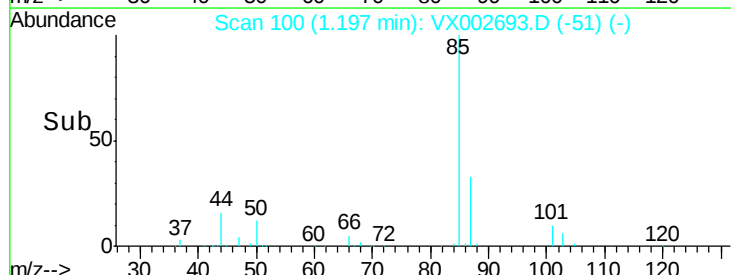
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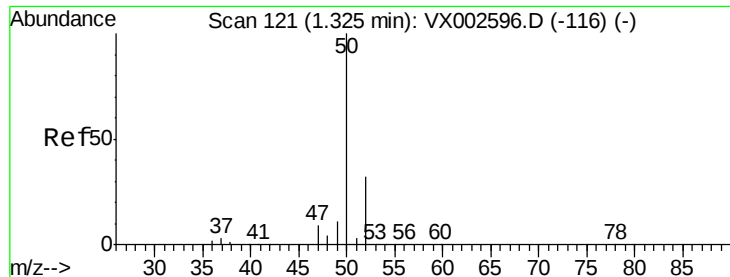
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 15.617 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS02

Tot Ion: 50 Resp: 41637

Ion Ratio Lower Upper

50 100

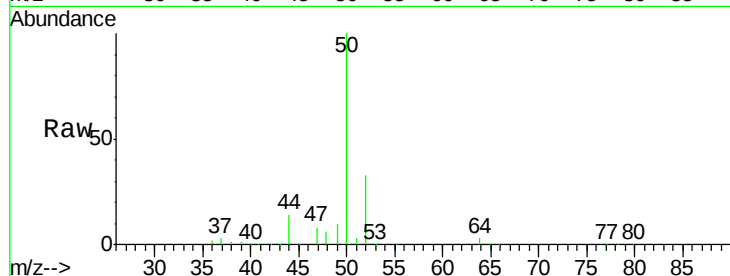
52 33.0 25.7 38.5

Manual Integrations

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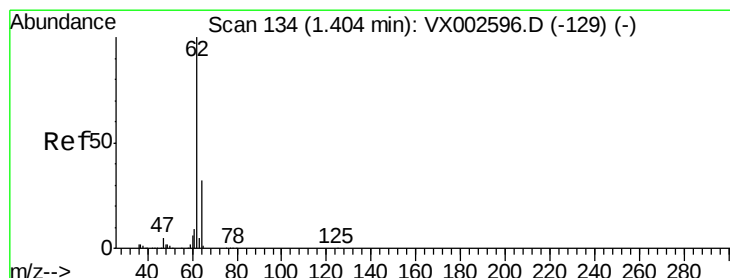
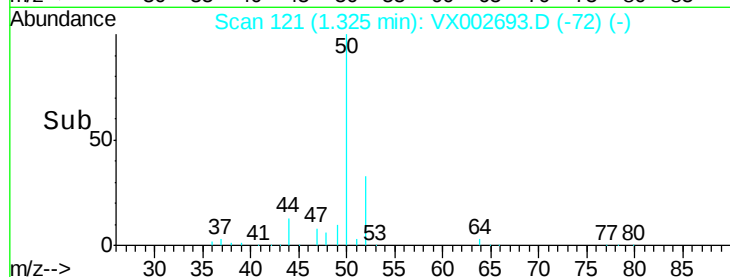
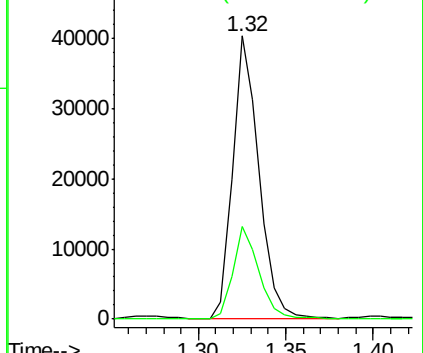
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6/19/2018 1:05:34 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.298 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX002693.D

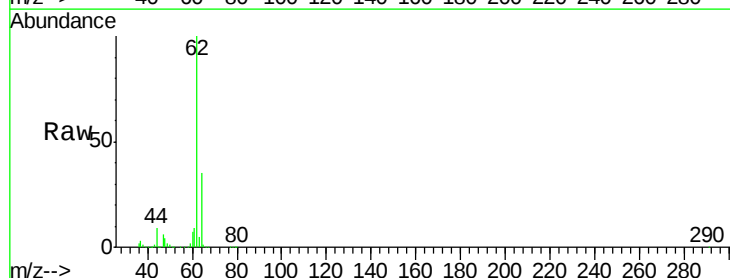
Acq: 18 Jun 2018 22:21

Tgt Ion: 62 Resp: 47859

Ion Ratio Lower Upper

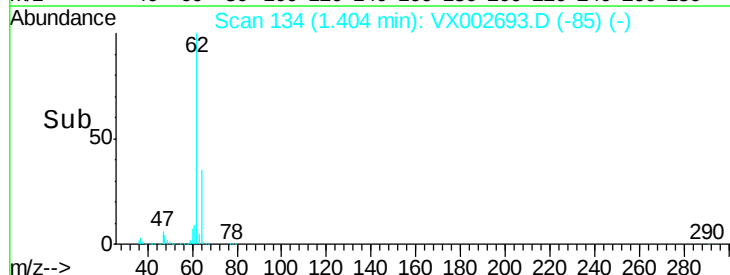
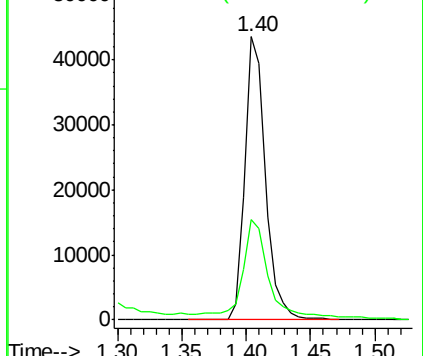
62 100

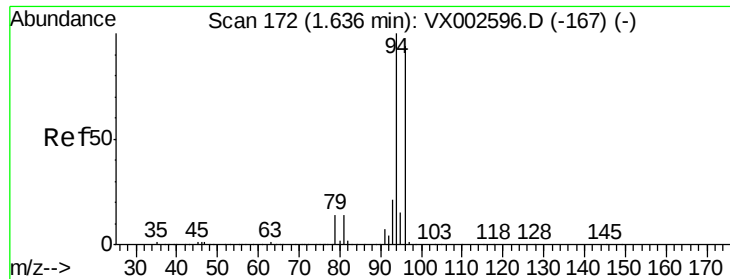
64 34.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 17.374 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS02

Tot Ion: 94 Resp: 29003

Ion Ratio Lower Upper

94 100

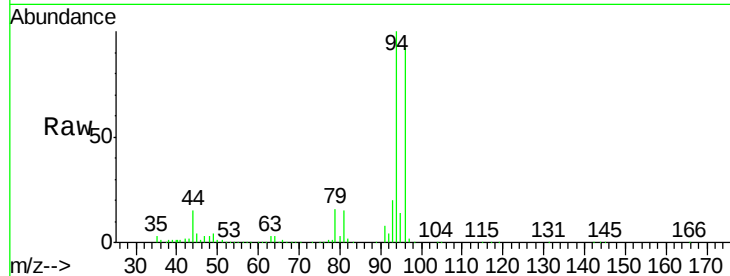
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Manual Integrations

APPROVED

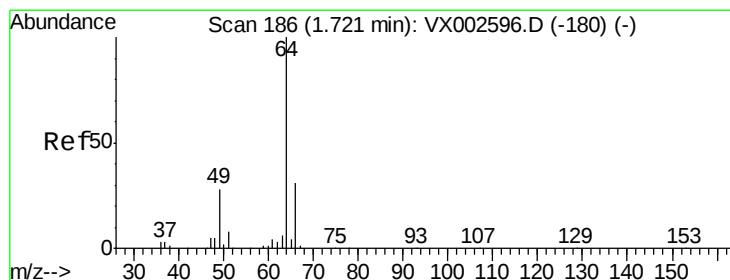
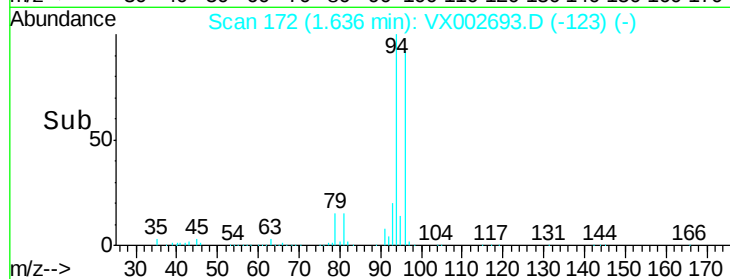
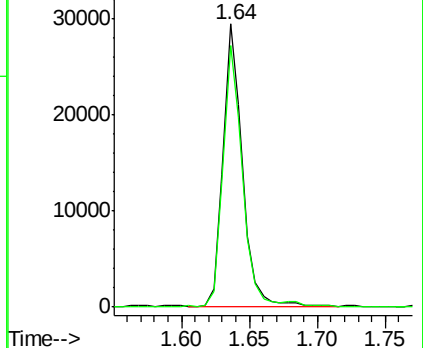
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.300 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX002693.D

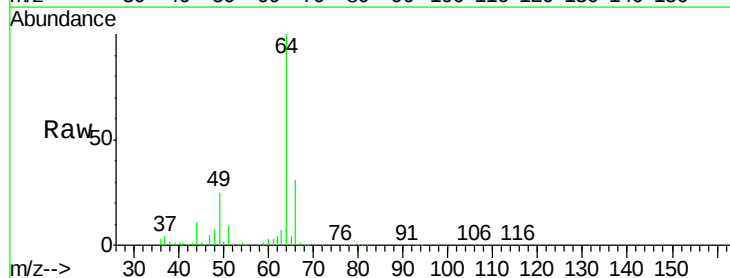
Acq: 18 Jun 2018 22:21

Tgt Ion: 64 Resp: 33371

Ion Ratio Lower Upper

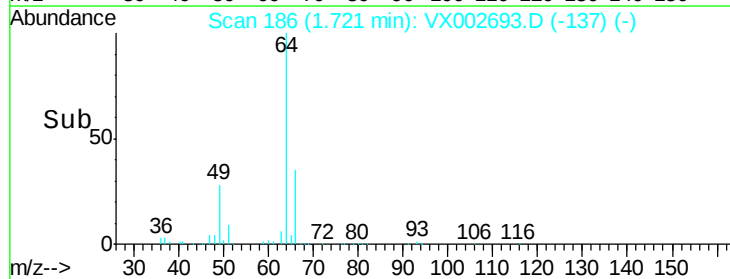
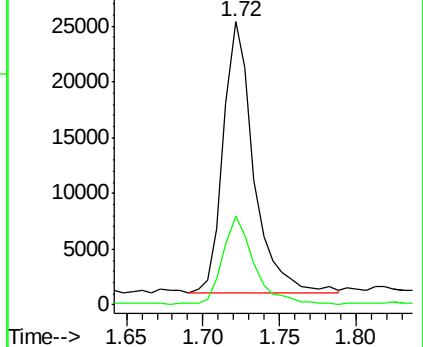
64 100

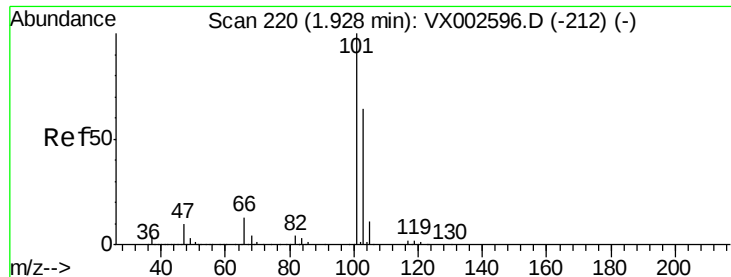
66 32.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

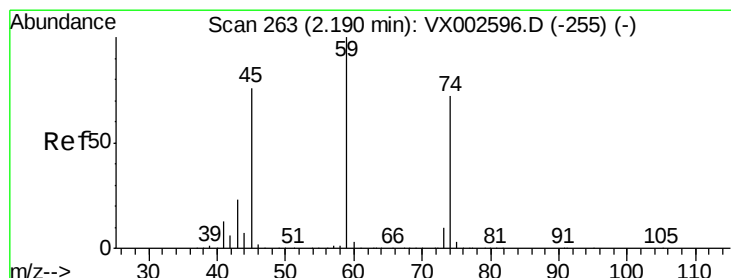
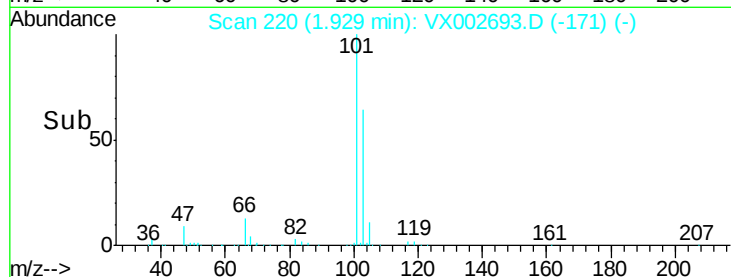
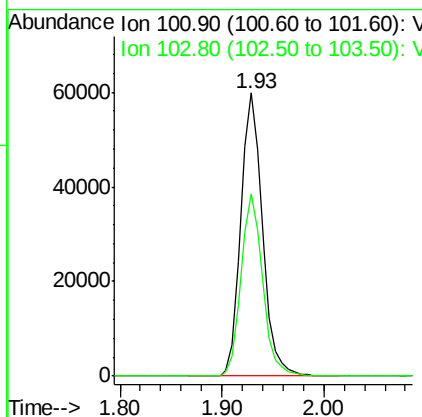
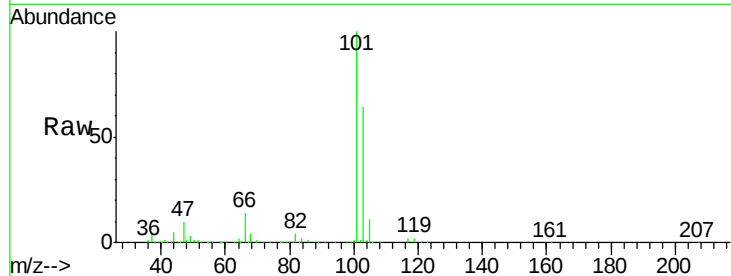
Trichlorofluoromethane
 Concen: 19.438 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VX002693.D
 Acq: 18 Jun 2018 22:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.8	79.2

Manual Integrations
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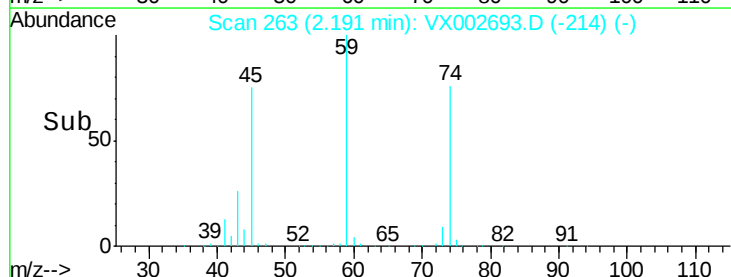
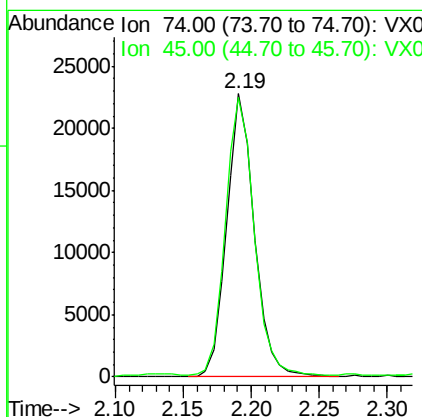
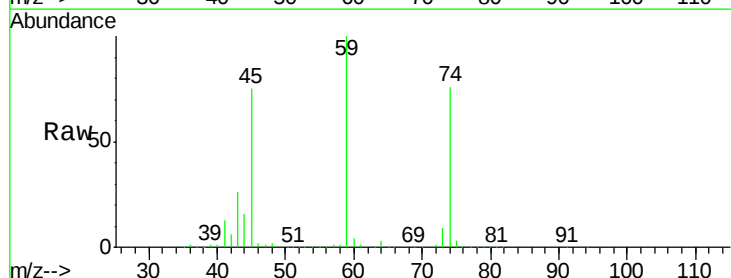
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 6/19/2018 1:05:34 PM

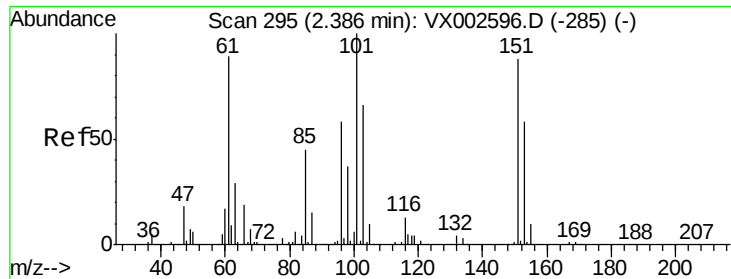


#8

Diethyl Ether
 Concen: 18.835 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002693.D
 Acq: 18 Jun 2018 22:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.4	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.684 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

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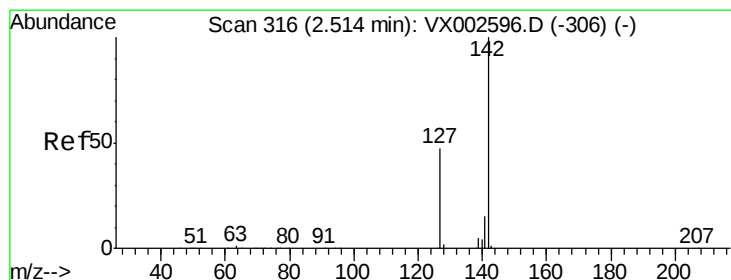
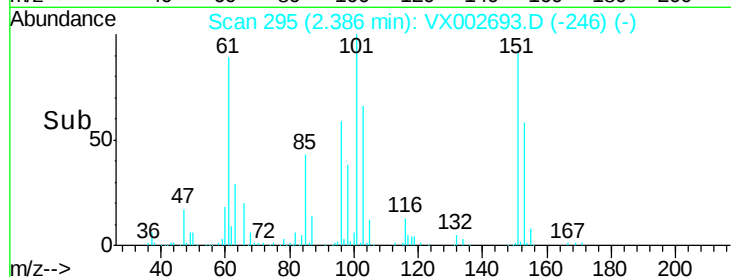
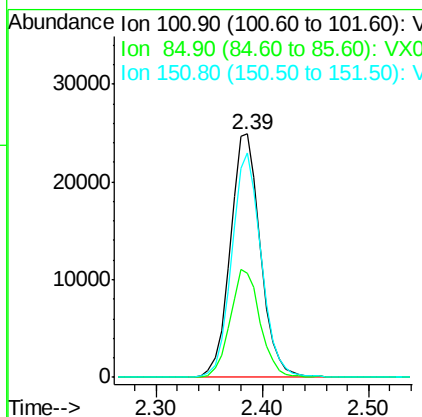
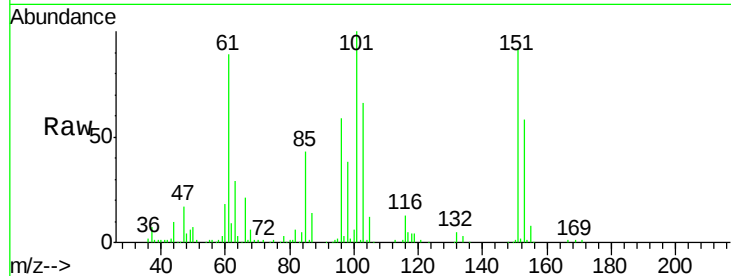
ClientSampleId :

VX0618WBS02

Tot Ion:	101	Resp:	49459
Ion Ratio	Lower	Upper	
101	100		
85	44.0	36.0	54.0
151	90.4	70.9	106.3

Manual Integrations
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6/19/2018 1:05:34 PM



#10

Methyl Iodide

Concen: 15.300 ug/l

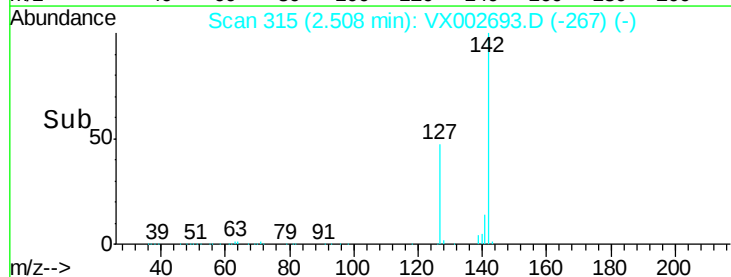
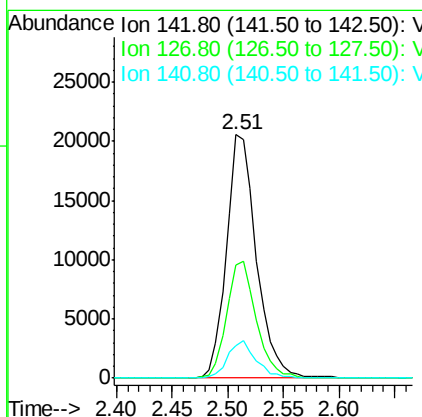
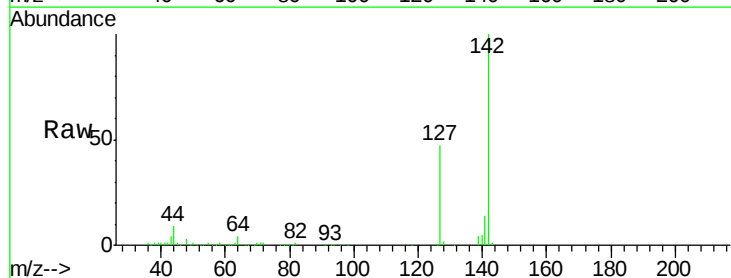
RT: 2.51 min Scan# 315

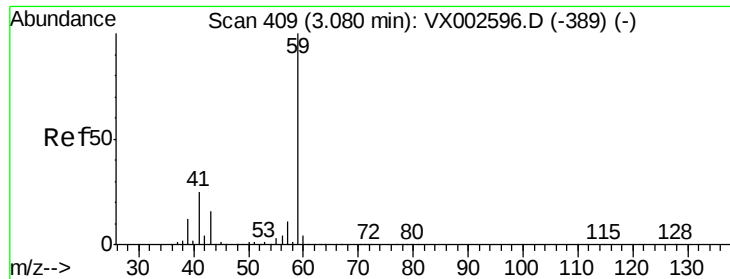
Delta R.T. -0.01 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

Tgt Ion:	142	Resp:	38276
Ion Ratio	Lower	Upper	
142	100		
127	47.6	36.6	55.0
141	14.7	11.3	16.9





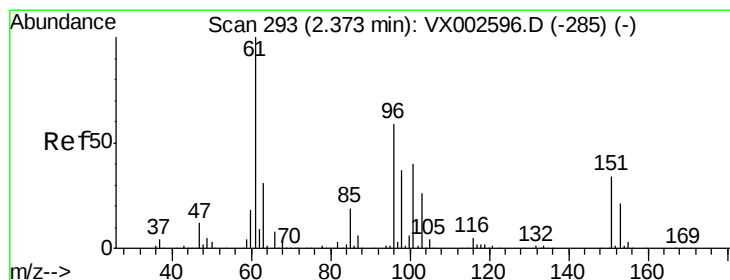
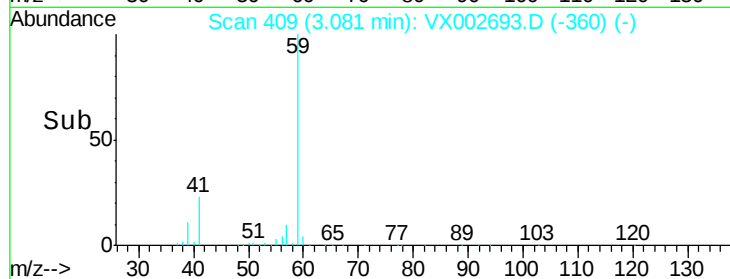
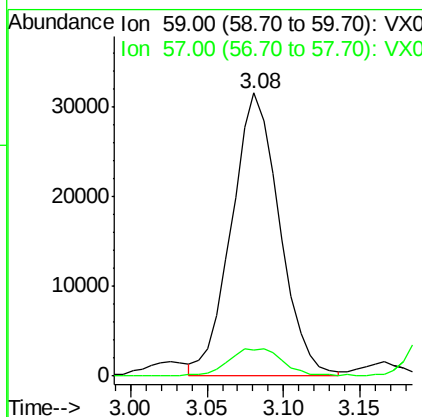
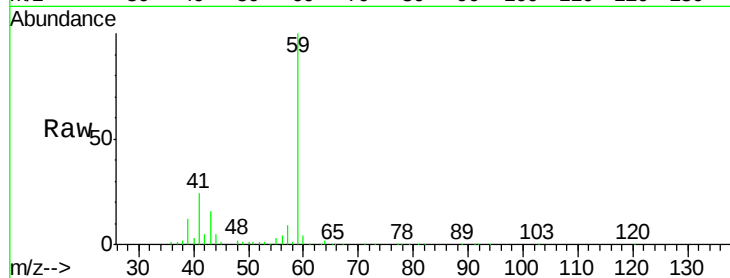
#11
Tert butyl alcohol
Concen: 103.771 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.2	12.2

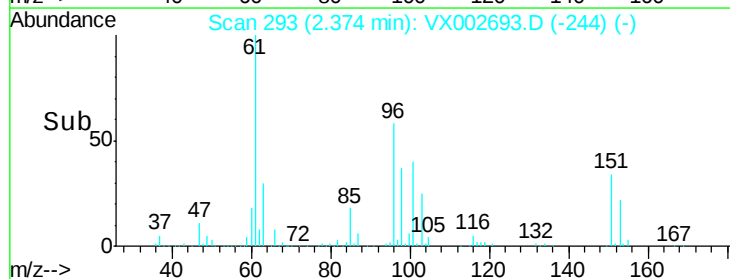
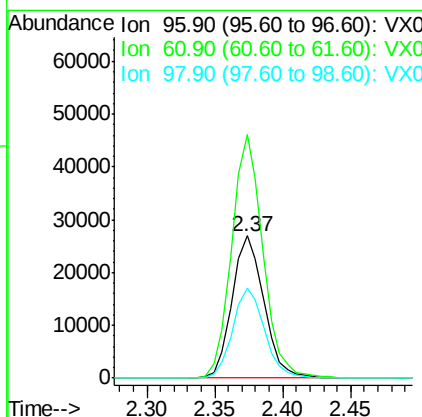
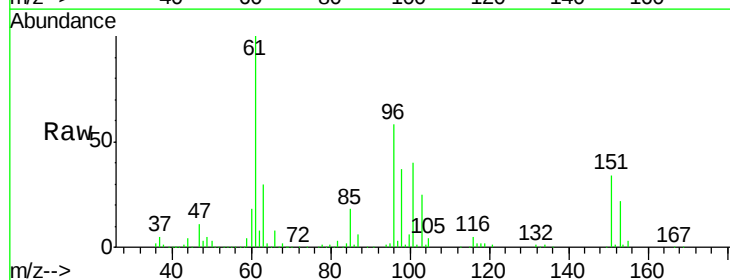
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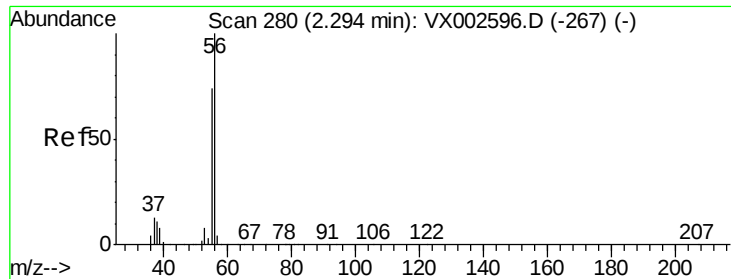
MMDadoda
6/19/2018 1:05:34 PM



#12
1,1-Dichloroethene
Concen: 18.659 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.4	137.9	206.9
98	63.2	51.6	77.4





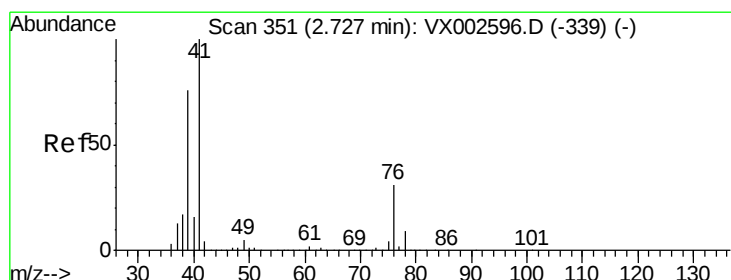
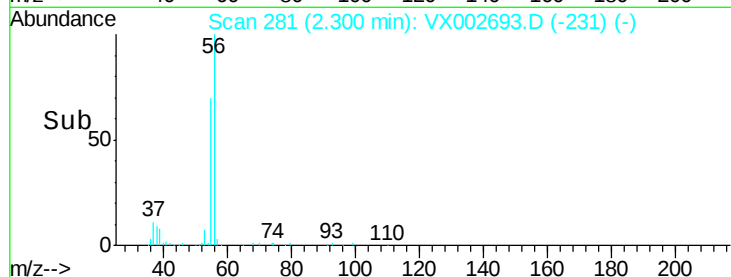
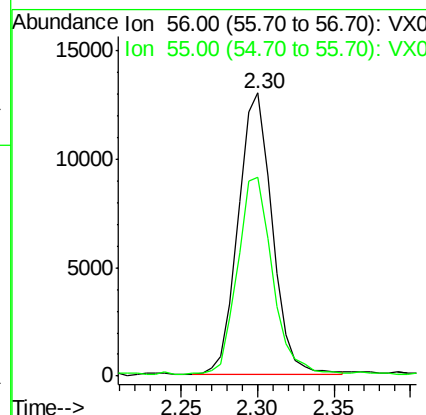
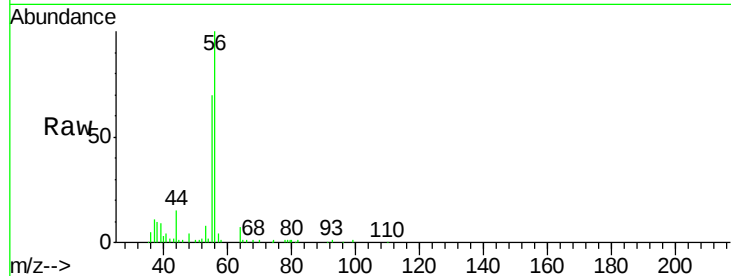
#13
Acrolein
Concen: 69.523 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.0	85.4

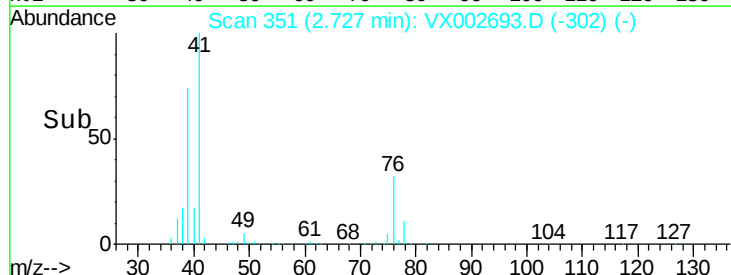
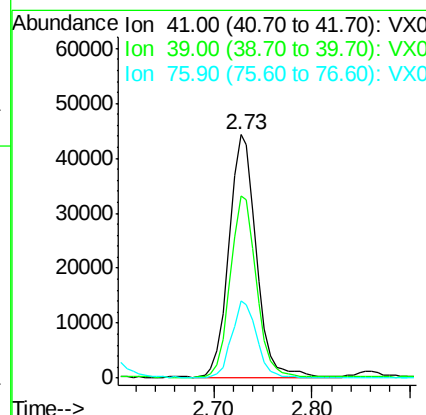
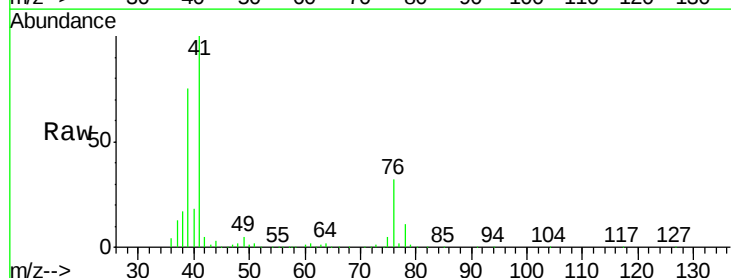
Manual Integrations
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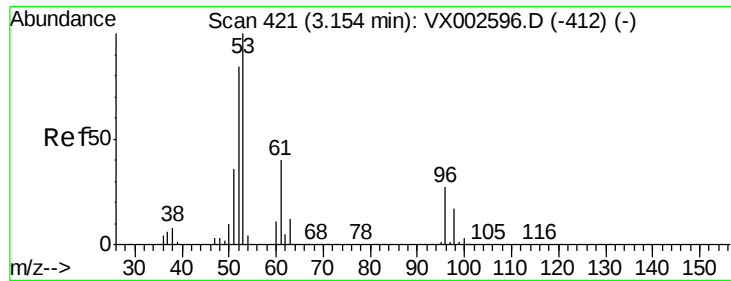
MMDadoda
6/19/2018 1:05:34 PM



#14
Allyl chloride
Concen: 18.294 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Tgt Ion	Ratio	Lower	Upper
41	100		
39	71.5	56.8	85.2
76	29.5	23.8	35.8





#15

Acrylonitrile

Concen: 99.300 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS02

Tot Ion: 53 Resp: 143718

Ion Ratio Lower Upper

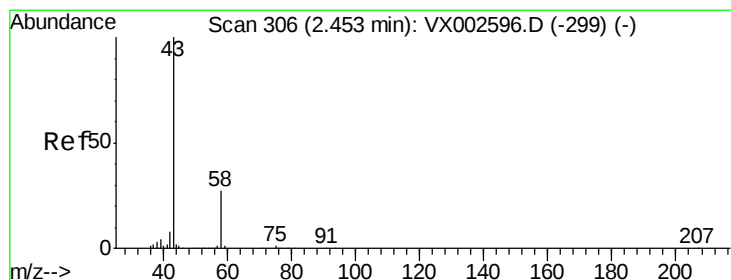
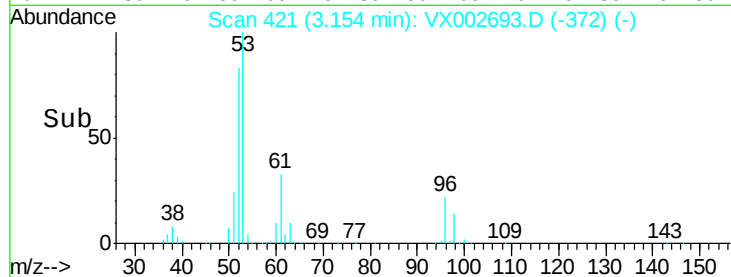
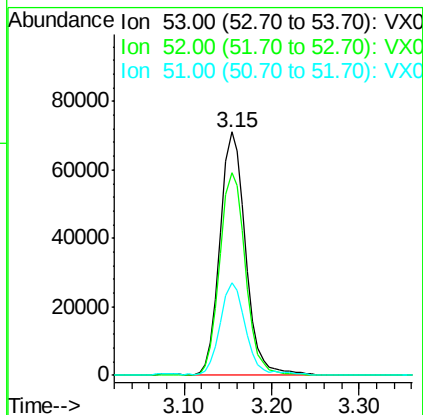
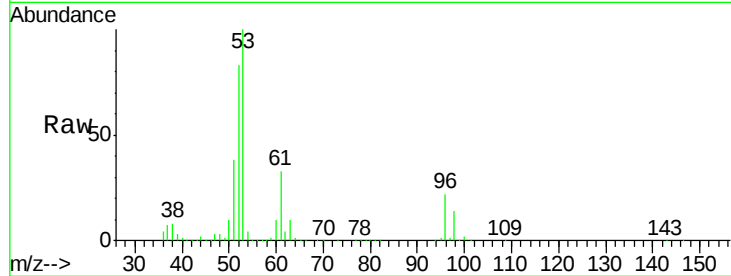
53 100

52 83.8 66.7 100.1

51 38.1 29.9 44.9

Manual Integrations
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#16

Acetone

Concen: 96.551 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002693.D

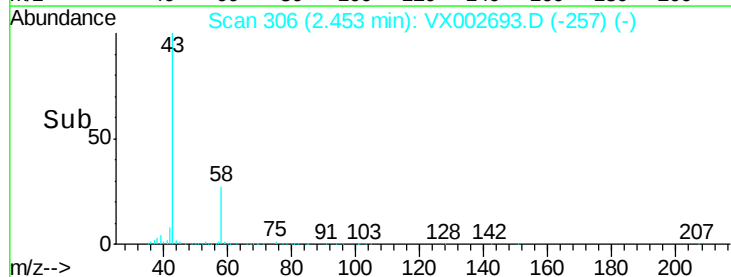
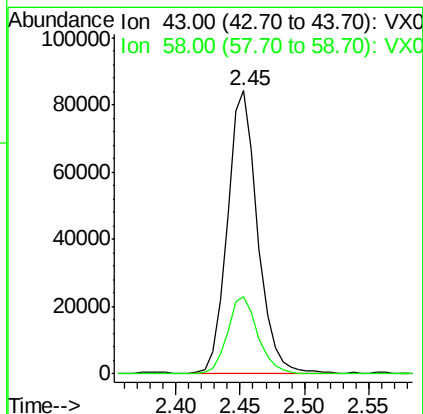
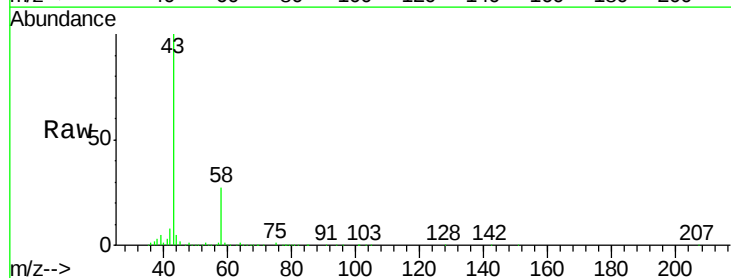
Acq: 18 Jun 2018 22:21

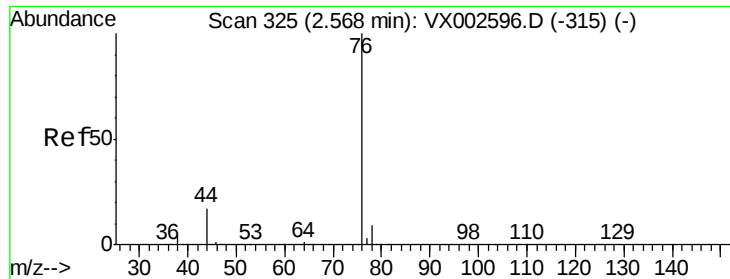
Tgt Ion: 43 Resp: 136667

Ion Ratio Lower Upper

43 100

58 27.3 22.1 33.1





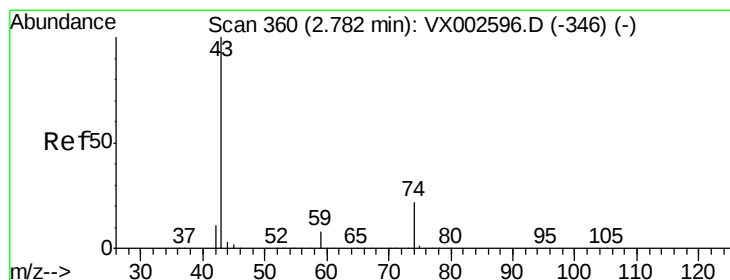
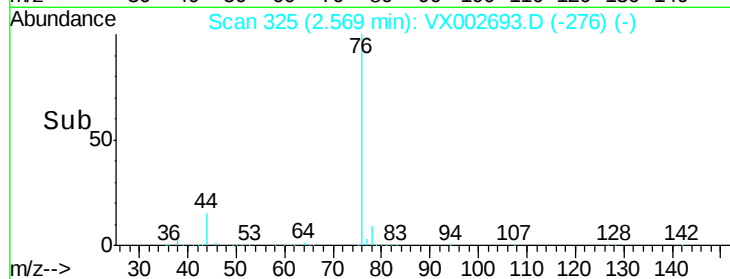
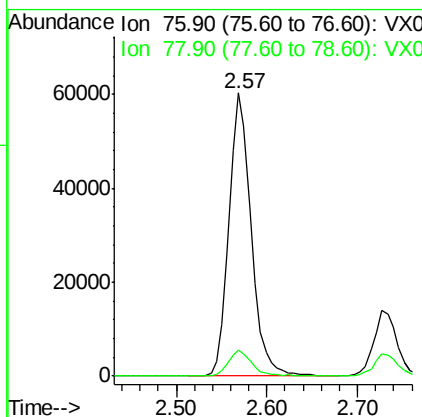
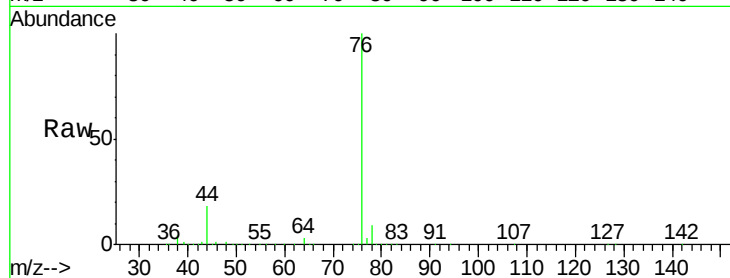
#17
Carbon Disulfide
Concen: 18.413 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.9	10.3

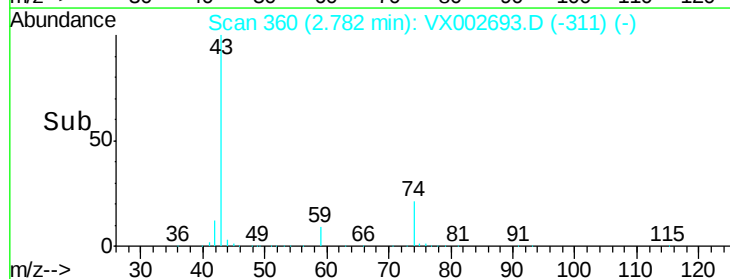
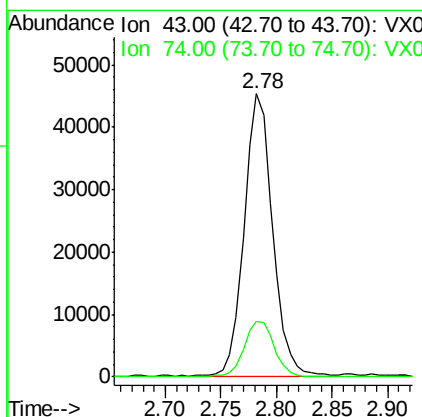
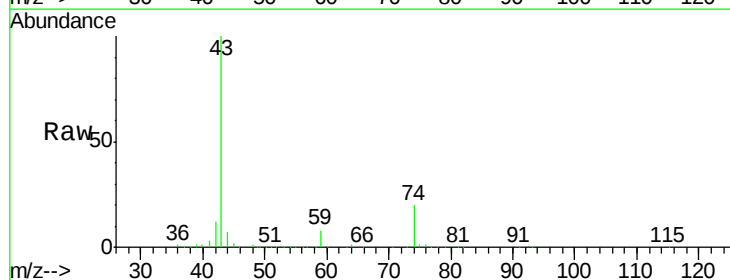
Manual Integrations
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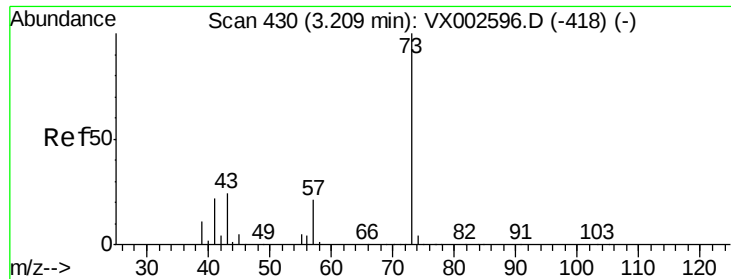
MMDadoda
6/19/2018 1:05:34 PM



#18
Methyl Acetate
Concen: 21.258 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	16.7	25.1





#19

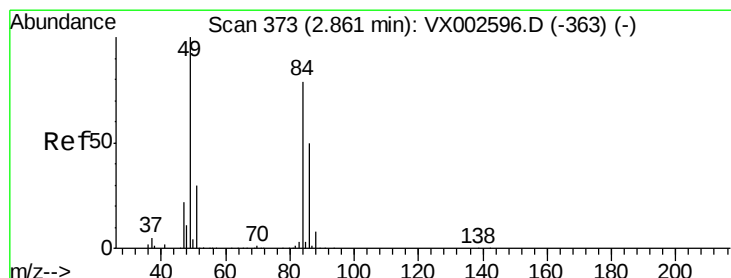
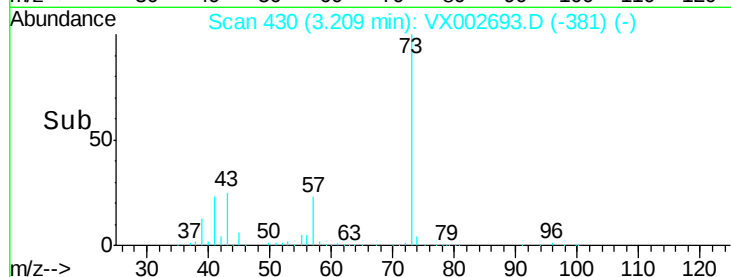
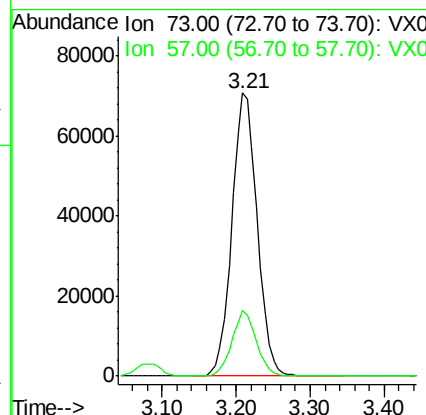
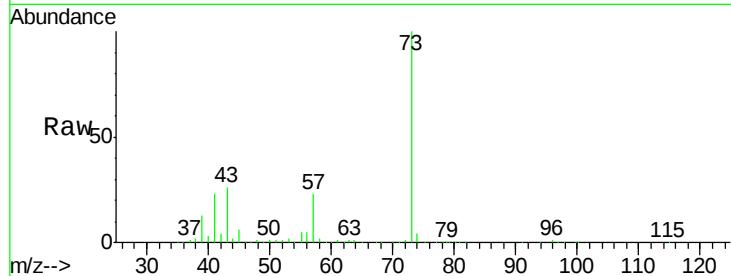
Methyl tert-butyl Ether
 Concen: 18.915 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX002693.D
 Acq: 18 Jun 2018 22:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.3	17.7	26.5

Manual Integrations
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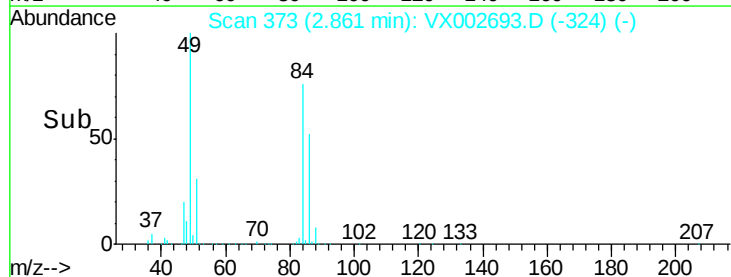
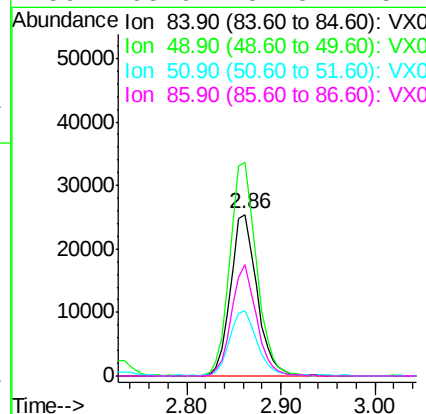
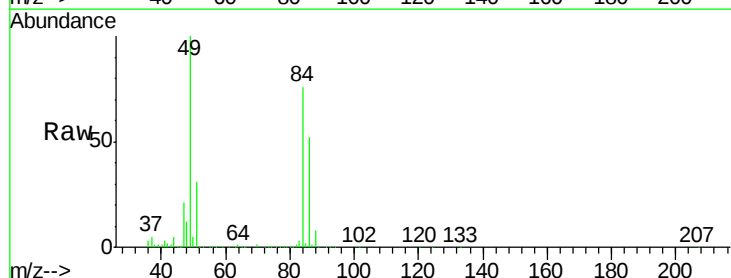
MMDadoda
 6/19/2018 1:05:34 PM

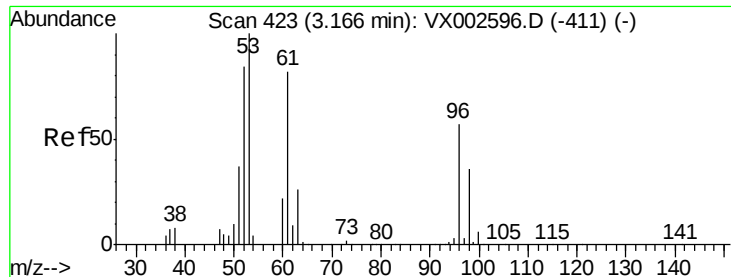


#20

Methylene Chloride
 Concen: 17.174 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX002693.D
 Acq: 18 Jun 2018 22:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.9	107.8	161.6
51	40.2	32.8	49.2
86	68.9	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 18.222 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

Instrument :

MSVOA_X

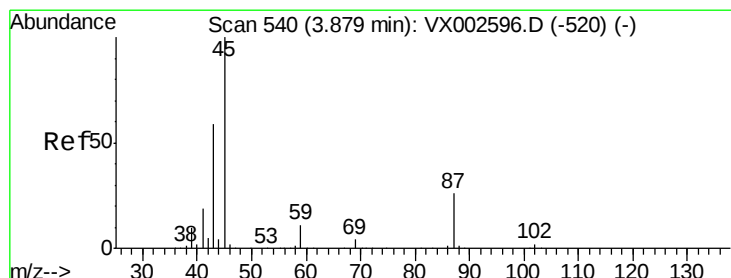
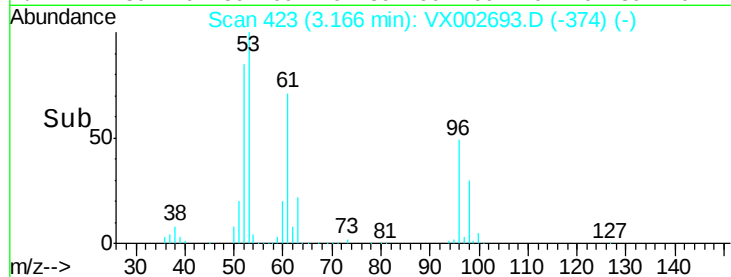
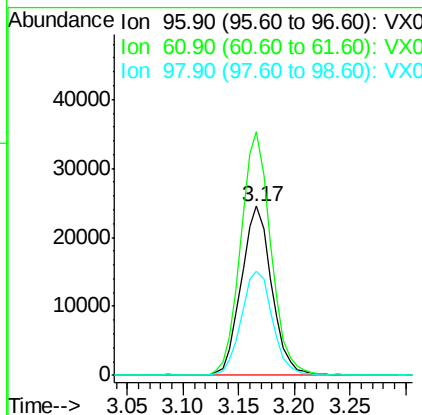
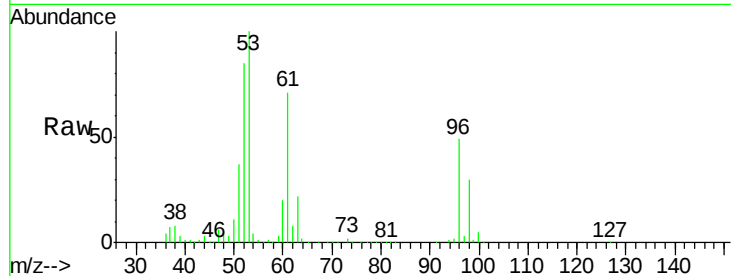
ClientSampleId :

VX0618WBS02

Tot Ion:	96	Resp:	46636
Ion	Ratio	Lower	Upper
96	100		
61	144.2	117.0	175.4
98	61.8	52.4	78.6

Manual Integrations
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6/19/2018 1:05:34 PM



#22

Diisopropyl ether

Concen: 19.109 ug/l

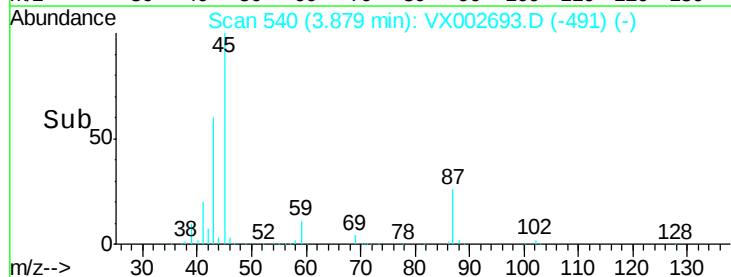
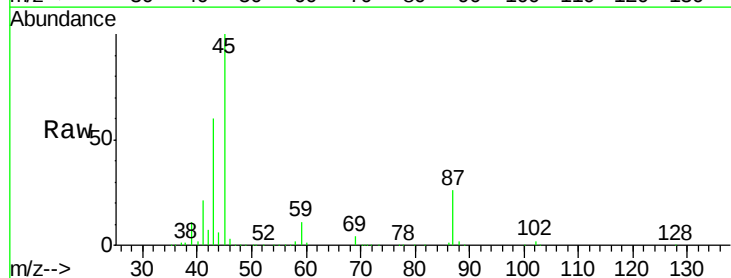
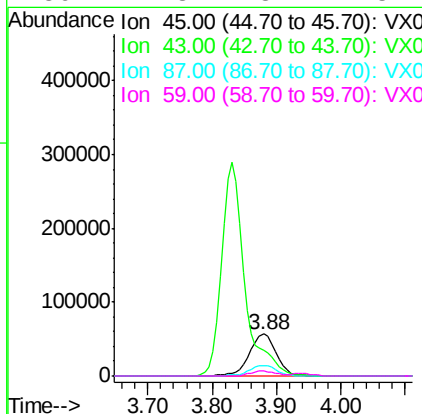
RT: 3.88 min Scan# 540

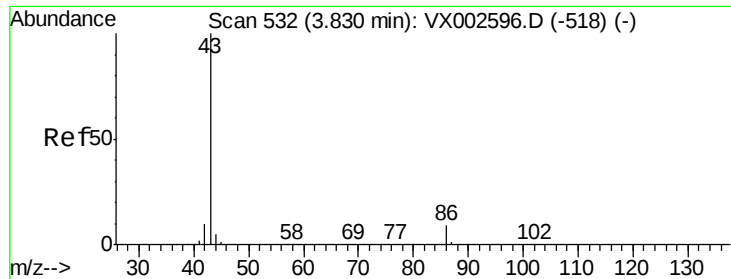
Delta R.T. 0.00 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

Tgt Ion:	45	Resp:	161940
Ion	Ratio	Lower	Upper
45	100		
43	59.7	46.8	70.2
87	25.6	20.2	30.4
59	11.3	8.7	13.1





#23

Vinyl Acetate

Concen: 103.725 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS02

Tot Ion: 43 Resp: 735705

Ion Ratio Lower Upper

43 100

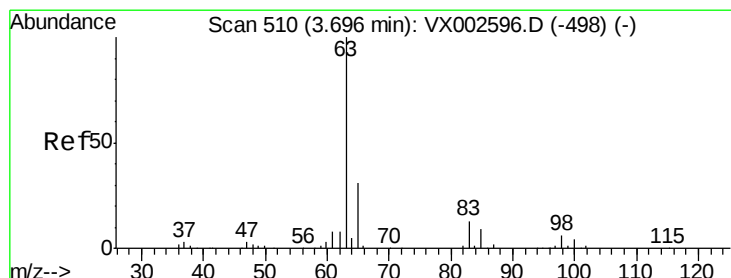
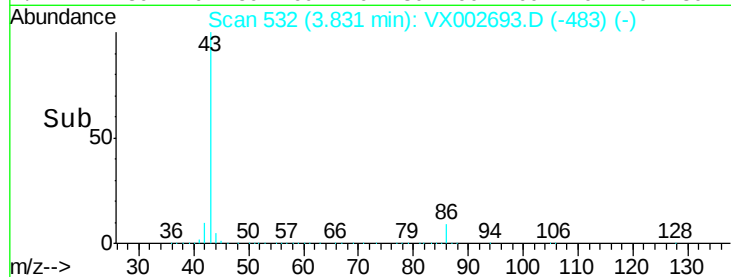
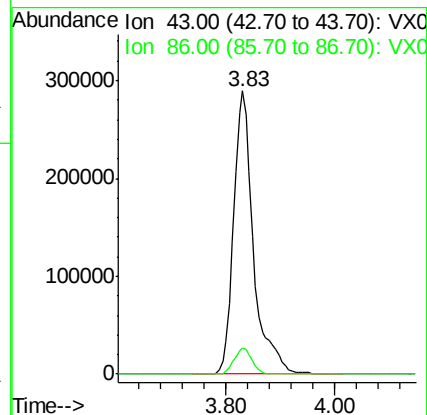
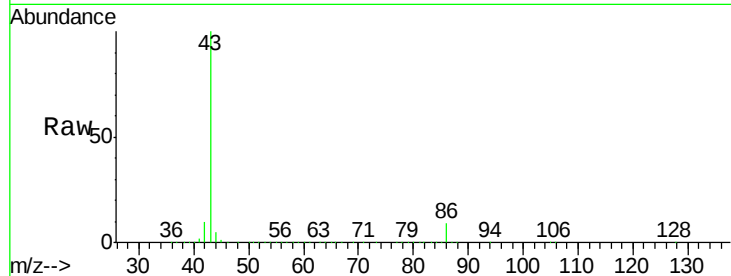
86 9.1 7.4 11.0

Manual Integrations

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MMDadoda

6/19/2018 1:05:34 PM



#24

1,1-Dichloroethane

Concen: 20.552 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

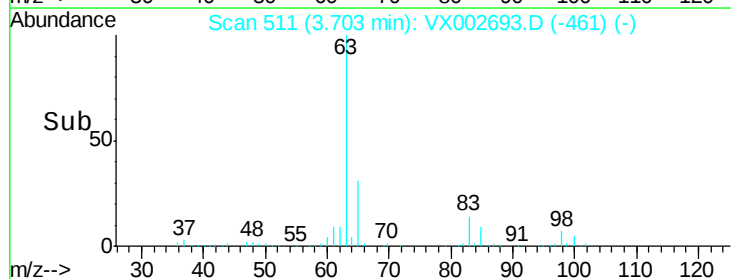
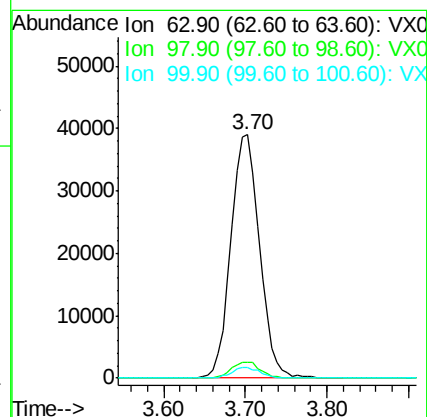
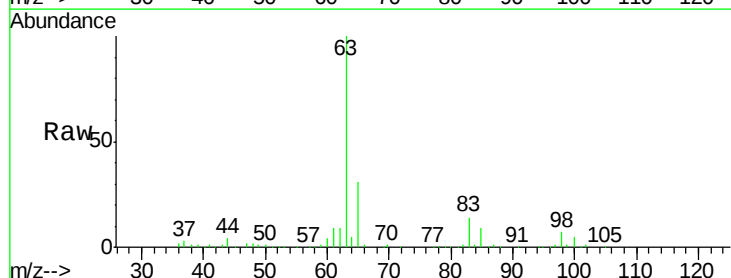
Tgt Ion: 63 Resp: 94528

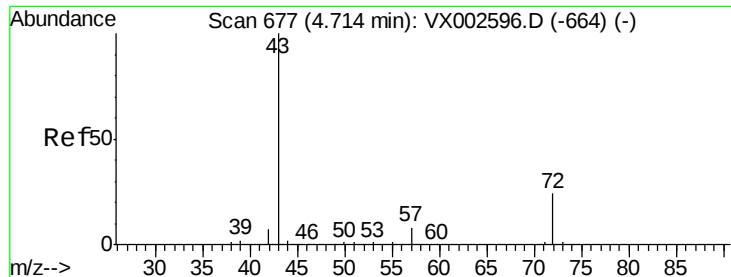
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

100 4.5 2.0 6.0





#25

2-Butanone

Concen: 103.938 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS02

Tot Ion: 43 Resp: 193211

Ion Ratio Lower Upper

43 100

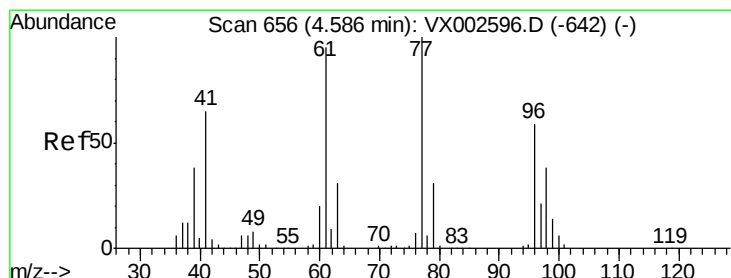
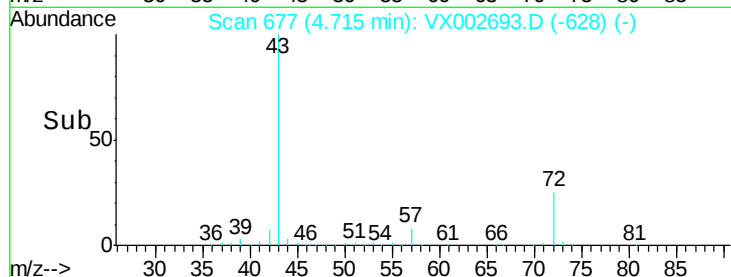
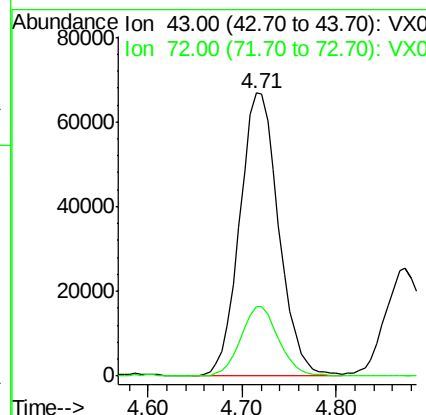
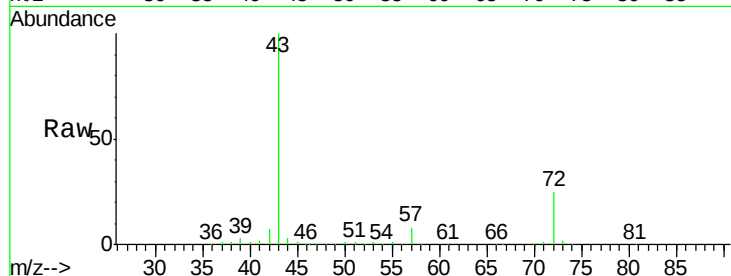
72 24.5 18.5 27.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 15.477 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX002693.D

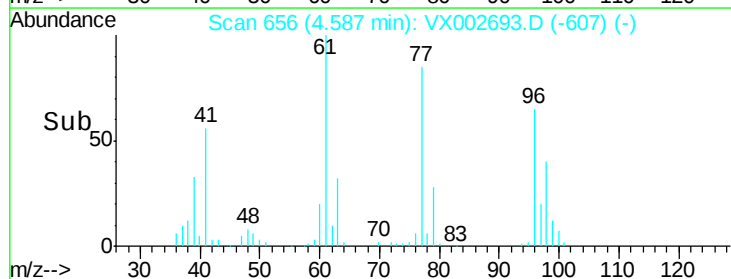
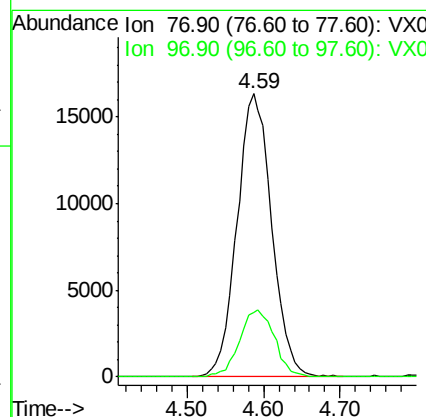
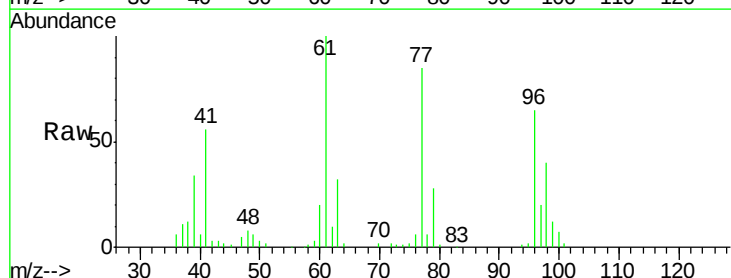
Acq: 18 Jun 2018 22:21

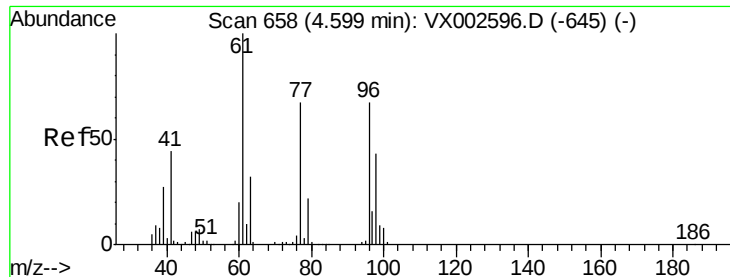
Tgt Ion: 77 Resp: 51151

Ion Ratio Lower Upper

77 100

97 23.9 11.2 33.5





#27

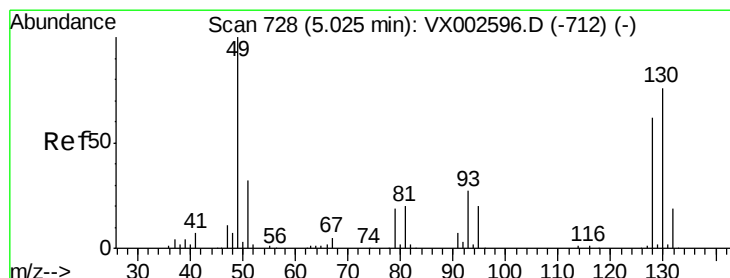
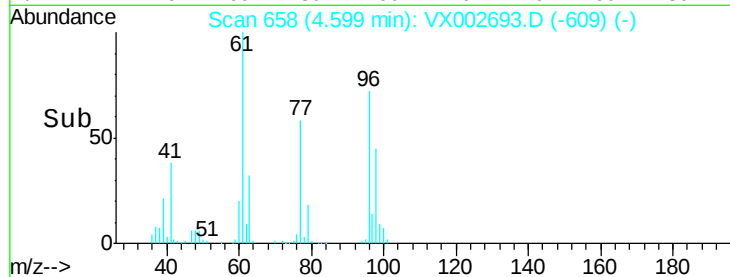
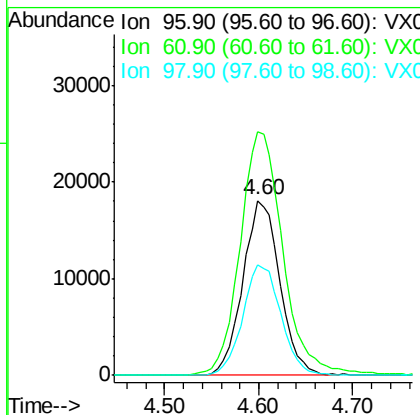
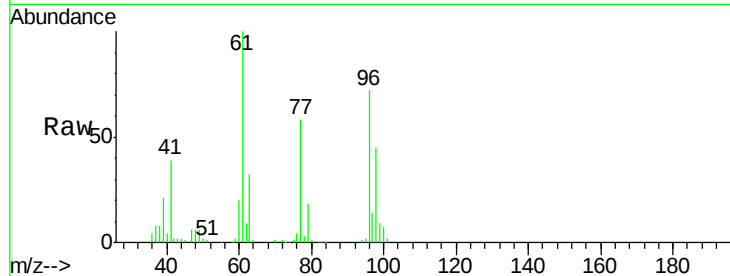
cis-1,2-Dichloroethene
Concen: 19.158 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.8	0.0	330.2
98	65.2	0.0	130.2

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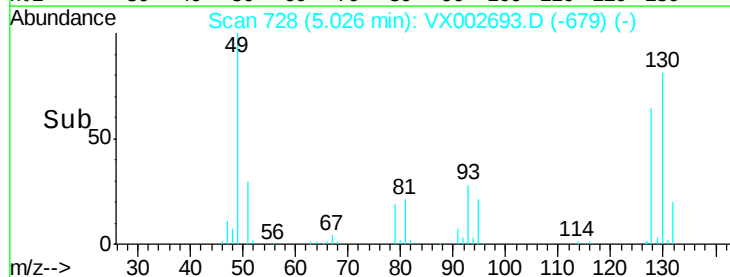
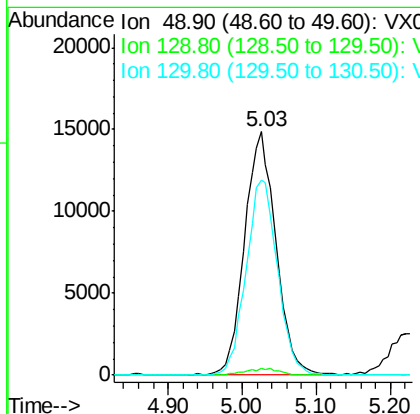
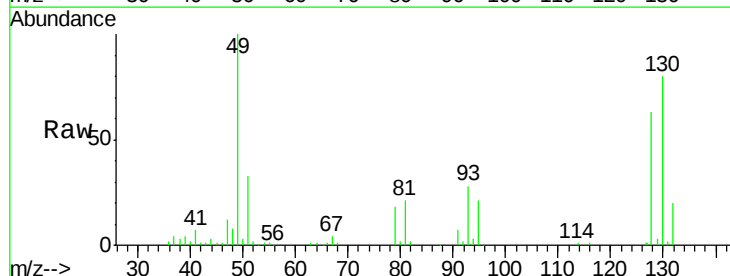
MMDadoda
6/19/2018 1:05:34 PM

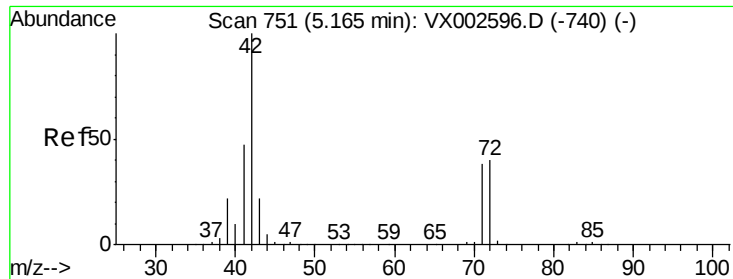


#28

Bromochloromethane
Concen: 20.444 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.2
130	80.1	61.2	91.8





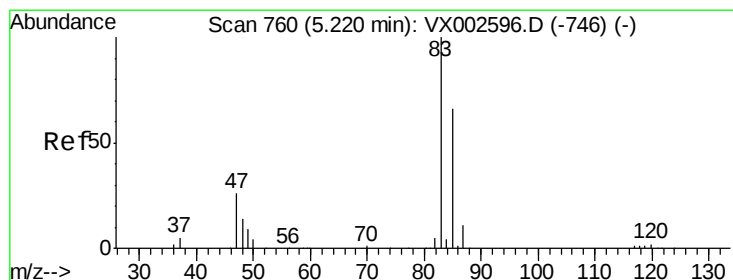
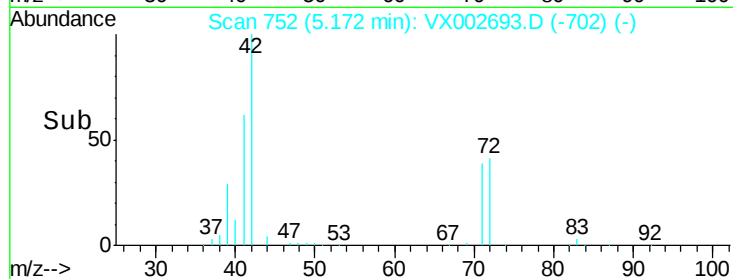
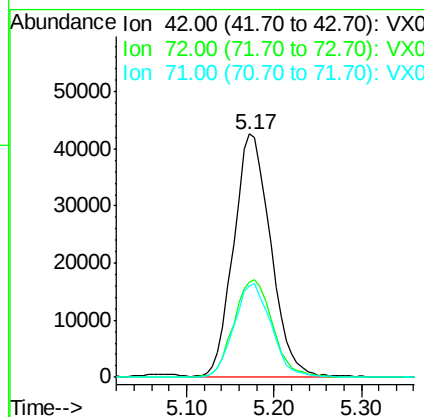
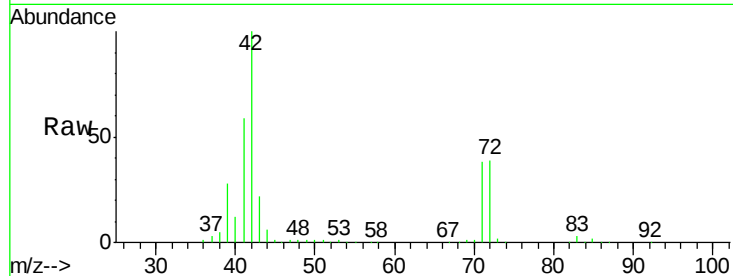
#29
Tetrahydrofuran
Concen: 102.685 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	32.0	48.0
71	38.8	30.1	45.1

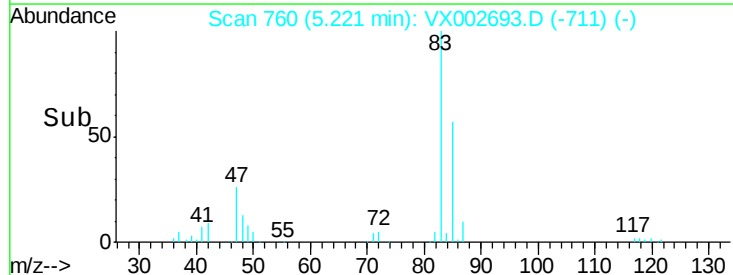
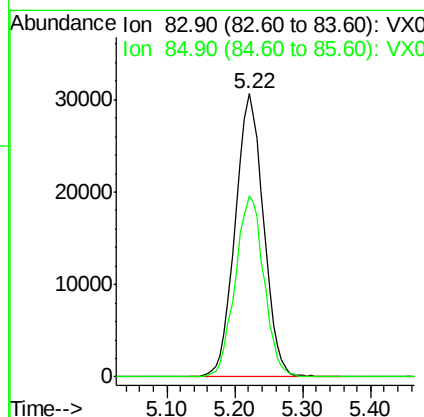
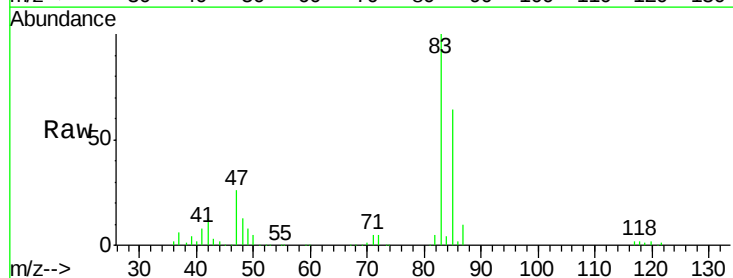
Manual Integrations
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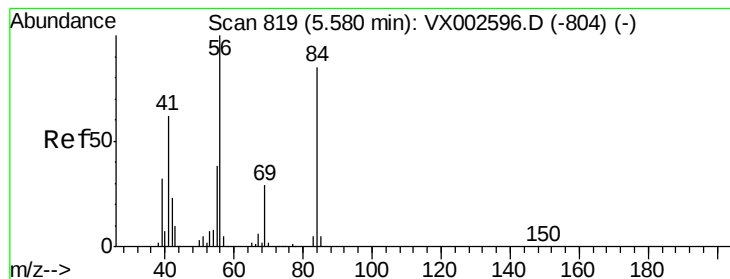
MMDadoda
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#30
Chloroform
Concen: 19.945 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.4	75.6





#31

Cyclohexane

Concen: 18.889 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

Instrument :

MSVOA_X

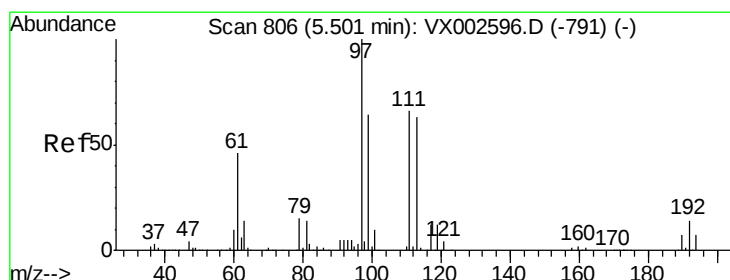
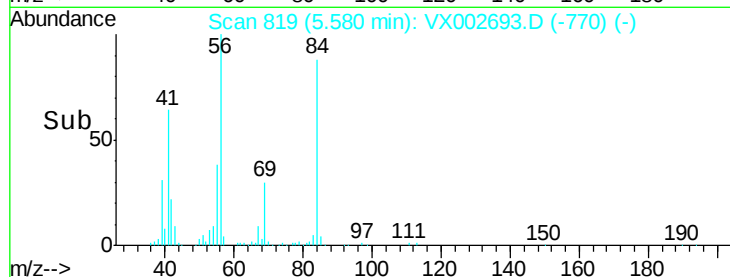
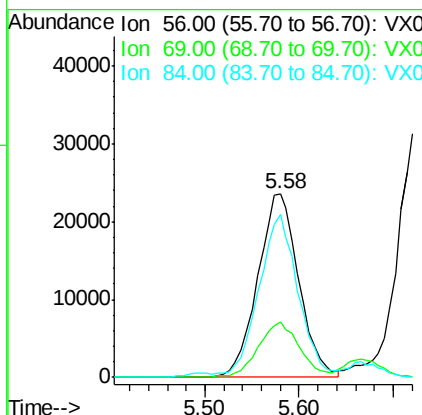
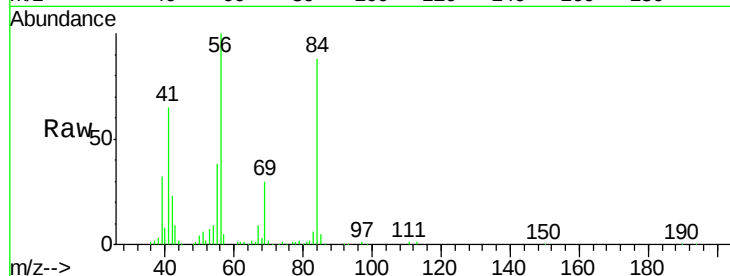
ClientSampleId :

VX0618WBS02

Tot Ion:	56	Resp:	71533
Ion	Ratio	Lower	Upper
56	100		
69	30.2	23.7	35.5
84	86.9	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.146 ug/l

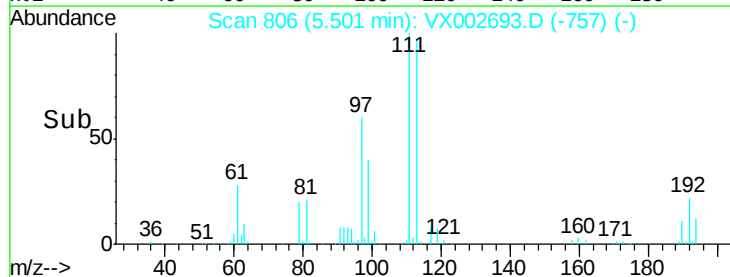
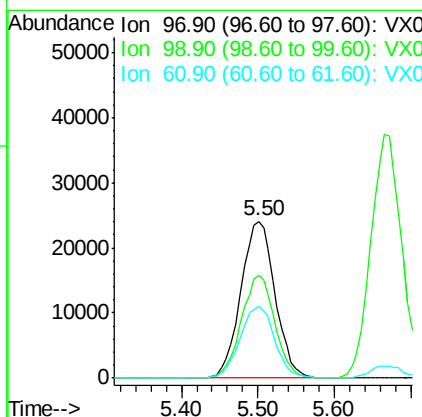
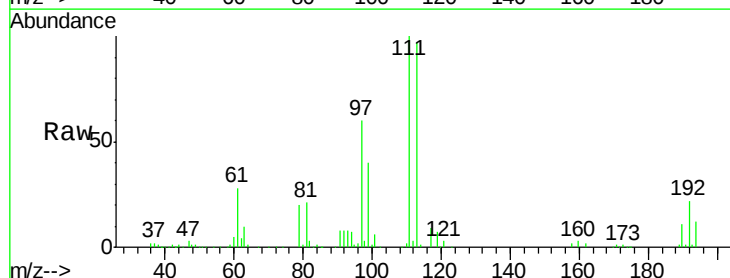
RT: 5.50 min Scan# 806

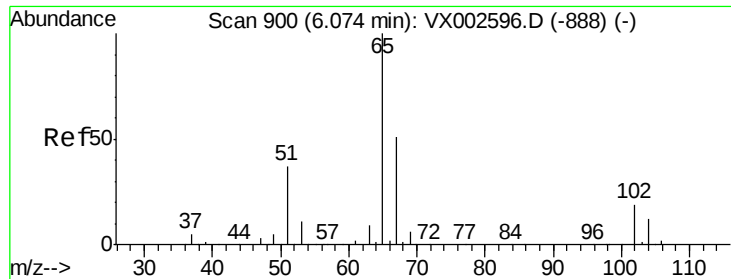
Delta R.T. 0.00 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

Tgt Ion:	97	Resp:	74735
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.6	77.4
61	46.5	36.4	54.6





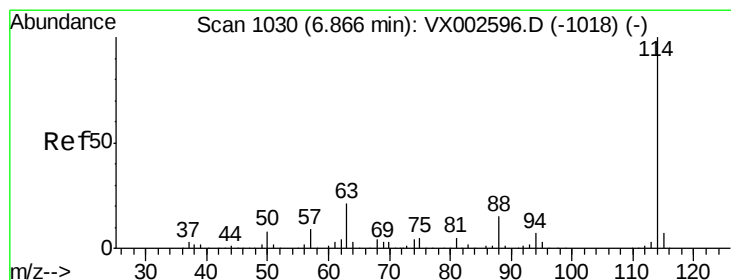
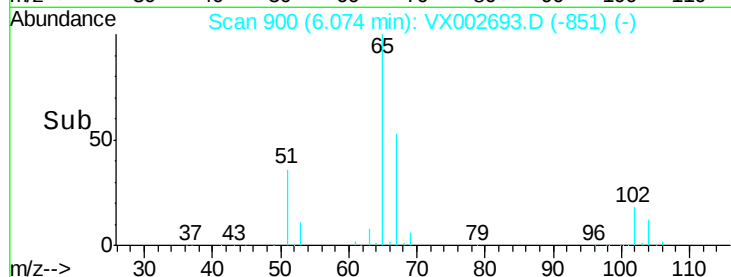
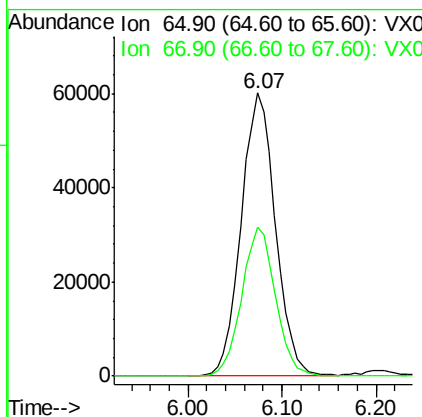
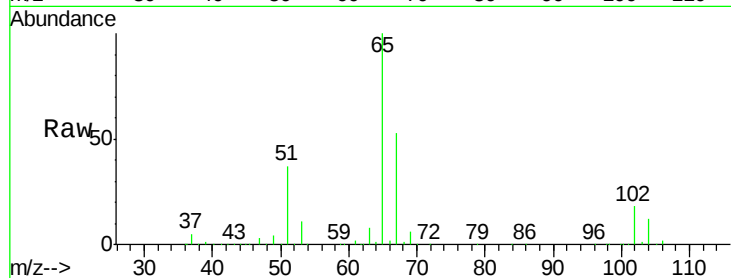
#33
 1,2-Dichloroethane-d4
 Concen: 47.794 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002693.D
 Acq: 18 Jun 2018 22:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	153339		
67	51.8	0.0	102.6	

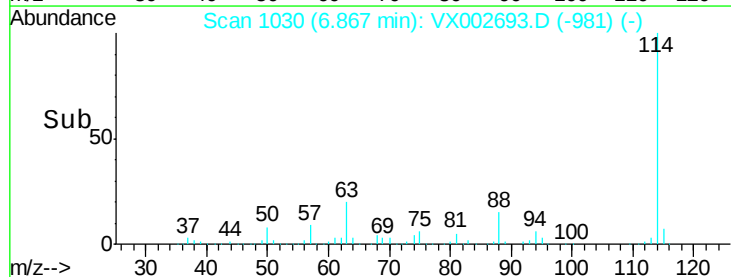
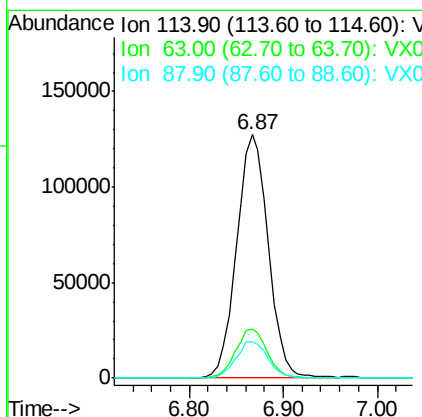
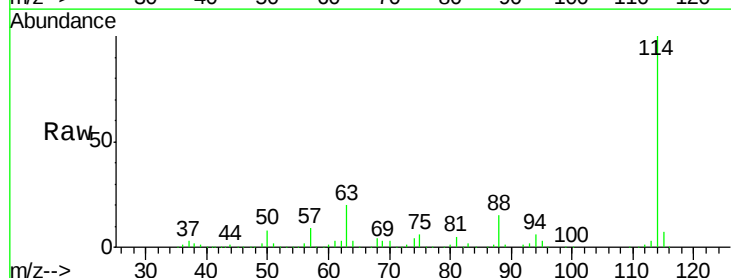
Manual Integrations
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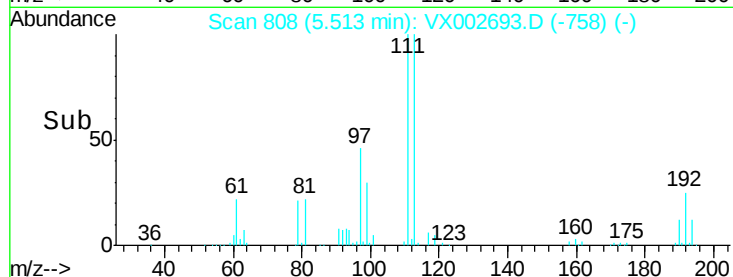
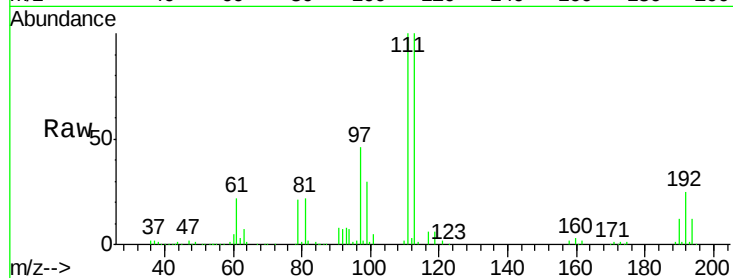
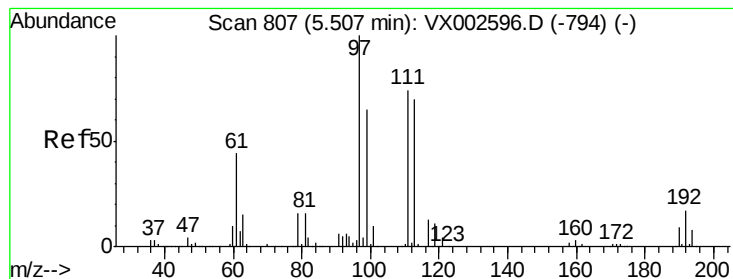
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002693.D
 Acq: 18 Jun 2018 22:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	298965		
63	20.1	0.0	41.4	
88	14.9	0.0	30.0	





#35

Dibromofluoromethane

Concen: 50.758 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX002693.D

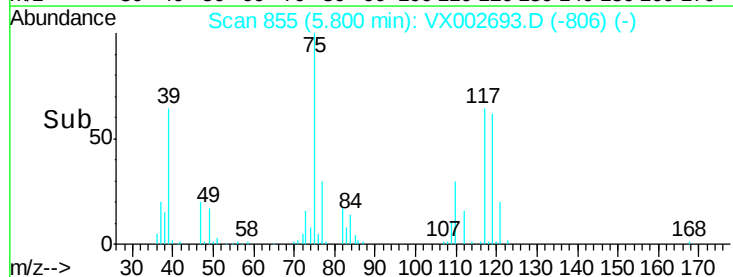
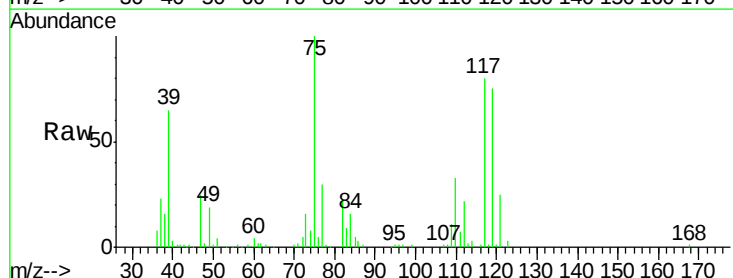
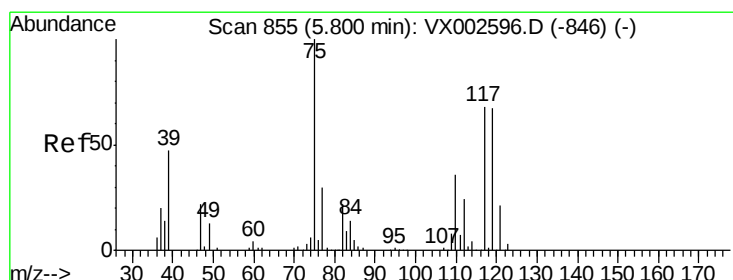
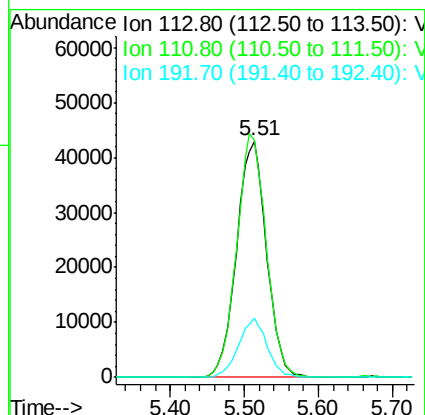
Acq: 18 Jun 2018 22:21

Tot Ion:	113	Resp:	121109
Ion Ratio	Lower	Upper	
113	100		
111	101.6	81.4	122.0
192	23.9	19.1	28.7

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS02

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.481 ug/l

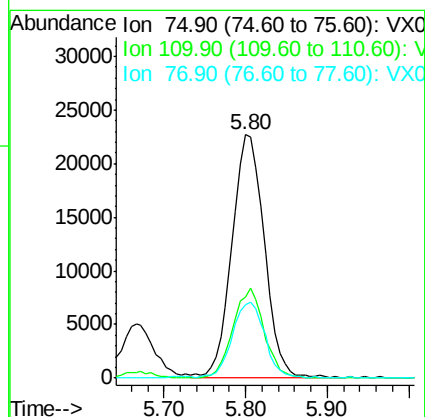
RT: 5.80 min Scan# 855

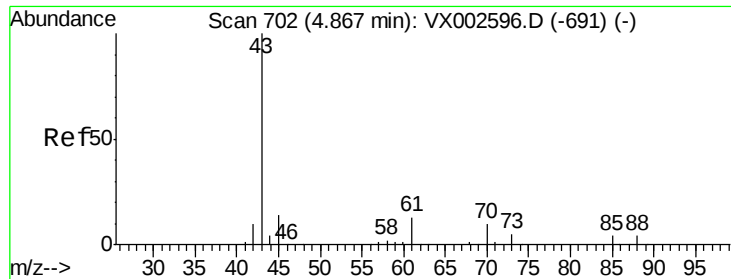
Delta R.T. 0.00 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

Tgt Ion:	75	Resp:	61855
Ion Ratio	Lower	Upper	
75	100		
110	35.7	18.1	54.4
77	31.9	24.3	36.5





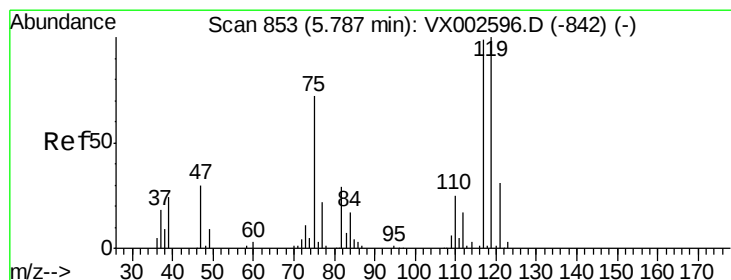
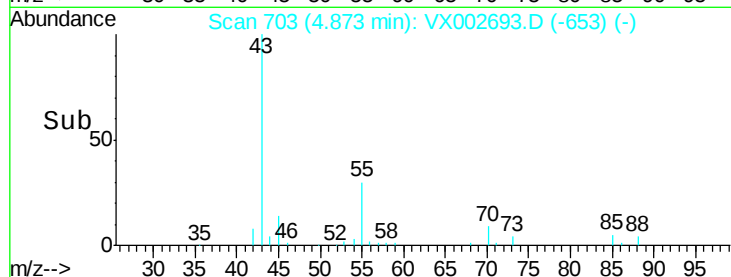
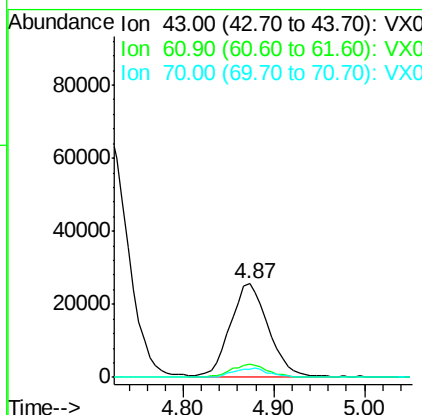
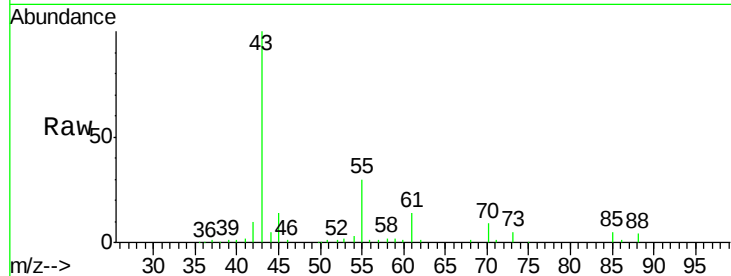
#37
Ethyl Acetate
Concen: 20.566 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Instrument :
MSVOA_X
ClientSampled :
VX0618WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.4	15.6
70	9.8	7.6	11.4

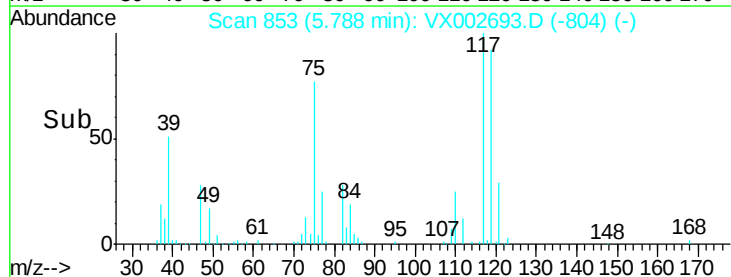
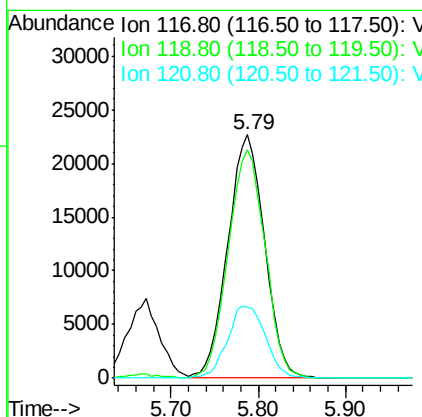
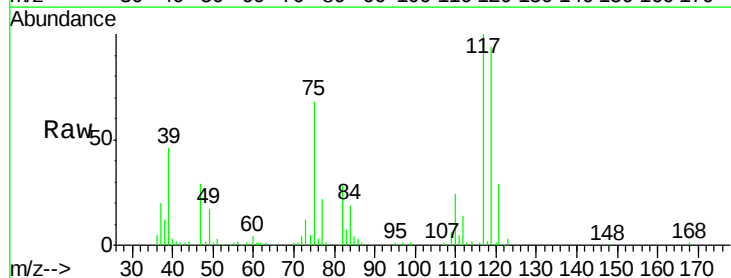
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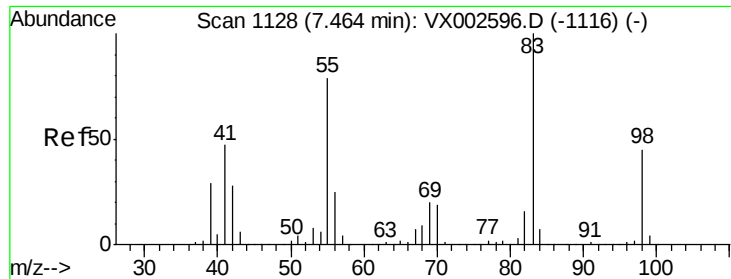
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.943 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	77.4	116.0
121	29.2	24.4	36.6





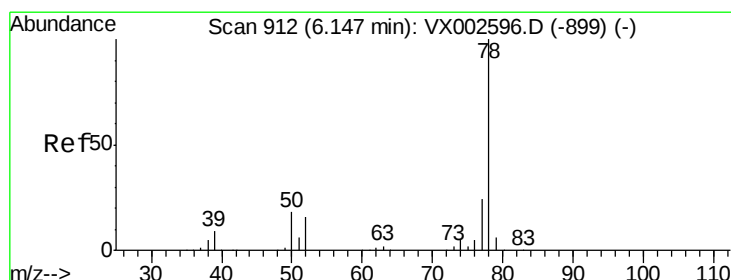
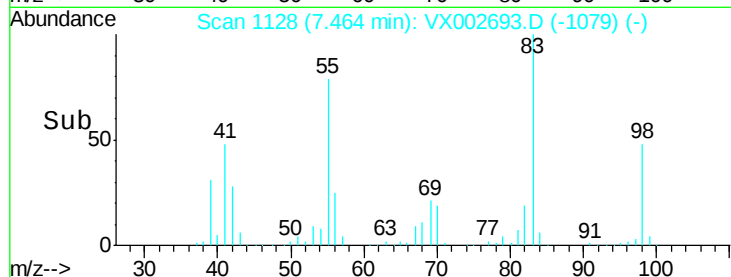
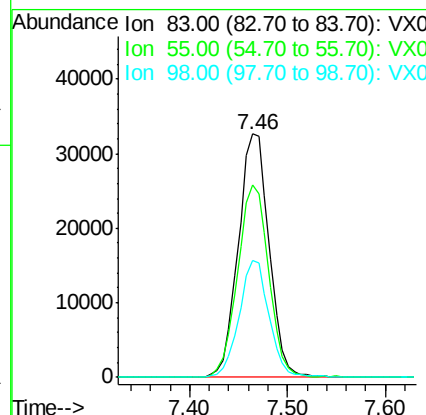
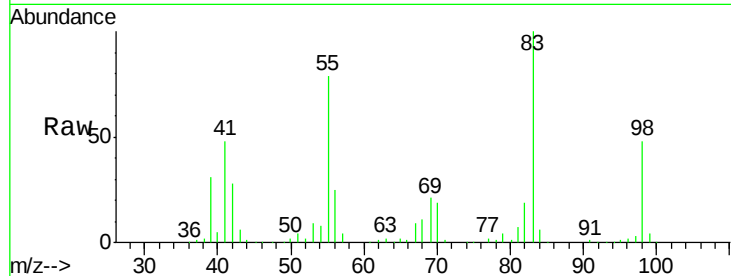
#39
Methvlcvclohexane
Concen: 19.261 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.9	65.4	98.0
98	48.1	37.4	56.0

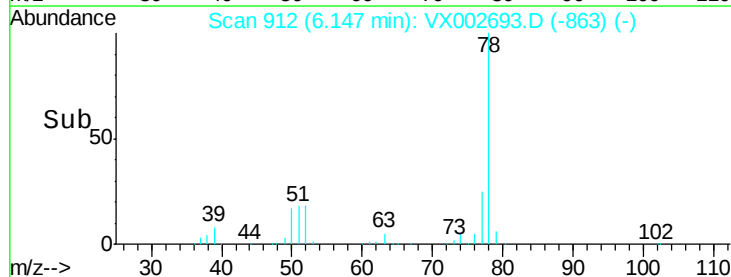
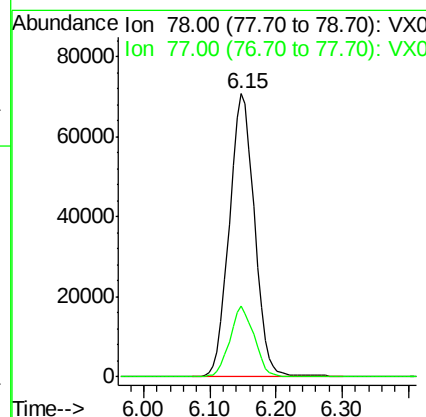
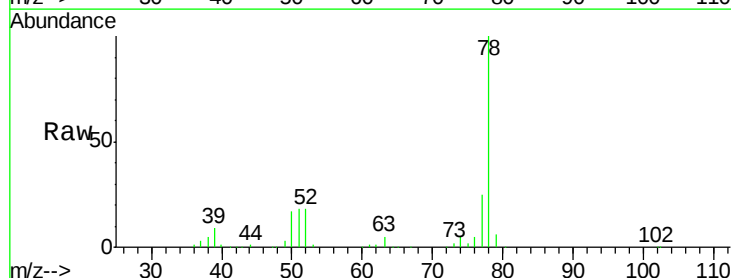
Manual Integrations
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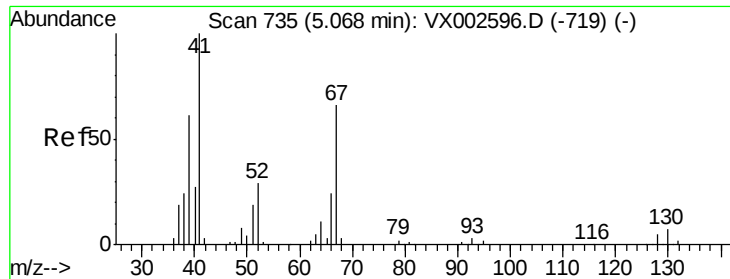
MMDadoda
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#40
Benzene
Concen: 19.660 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.1	28.7





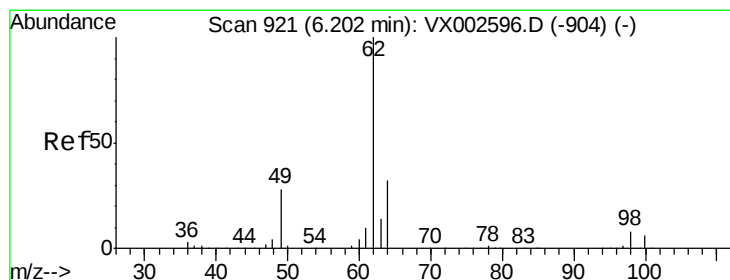
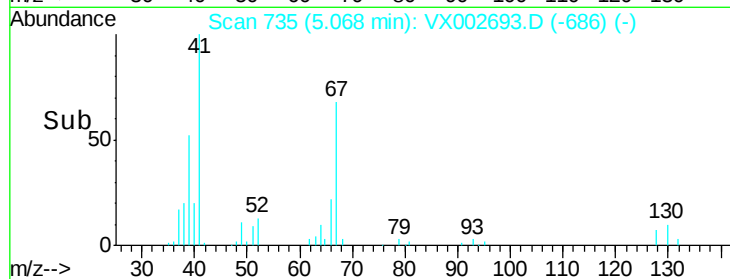
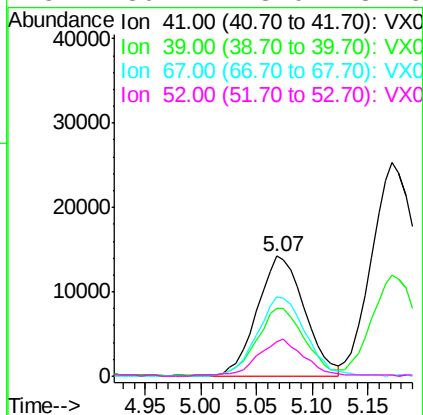
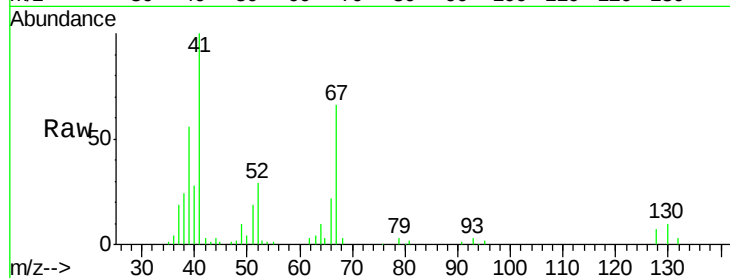
#41
Methacrylonitrile
Concen: 20.732 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS02

Tot Ion	41	Resp	42068
Ion	Ratio	Lower	Upper
41	100		
39	56.7	45.8	68.6
67	67.8	51.3	76.9
52	30.2	23.0	34.6

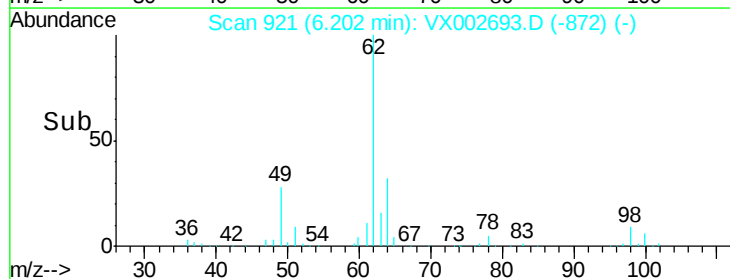
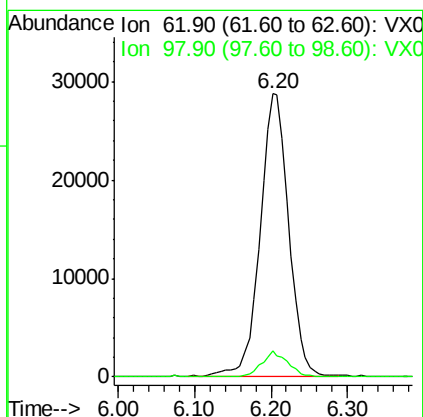
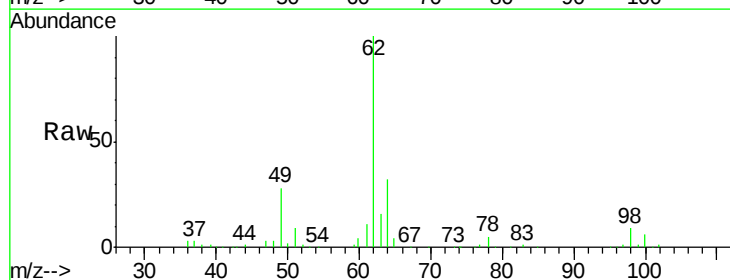
Manual Integrations
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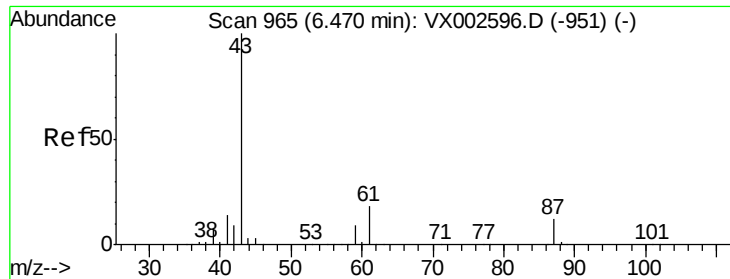
MMDadoda
6/19/2018 1:05:34 PM



#42
1,2-Dichloroethane
Concen: 20.215 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Tgt Ion	62	Resp	74512
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6





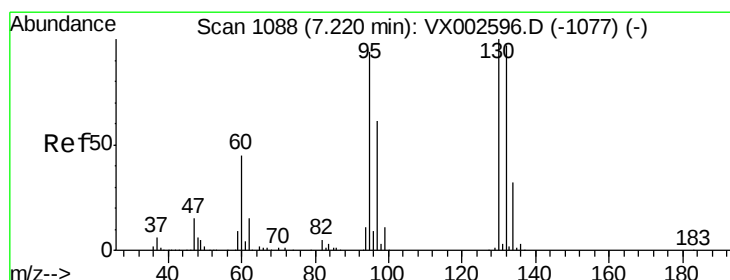
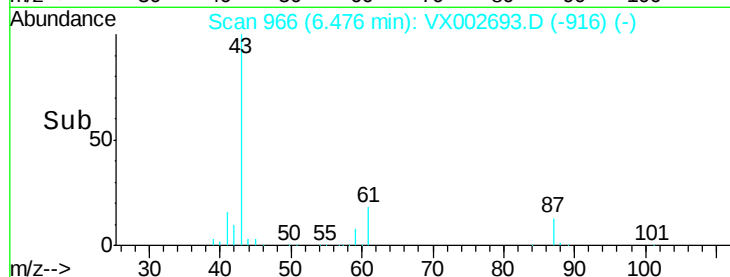
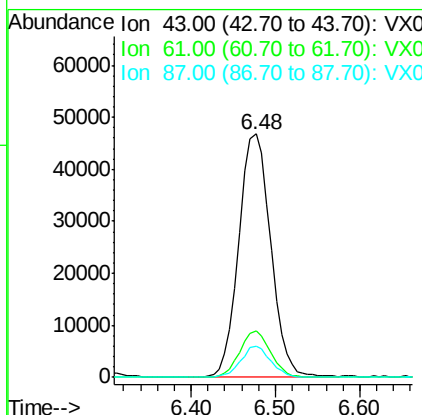
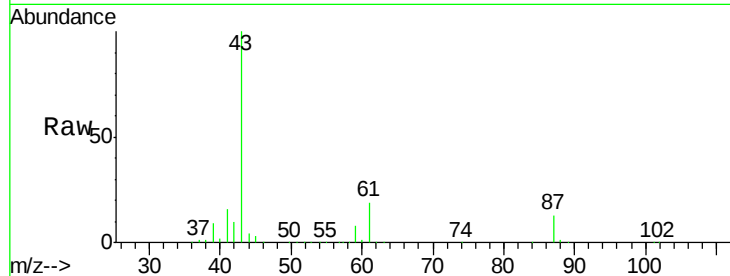
#43
Isopropyl Acetate
Concen: 20.040 ug/l
RT: 6.48 min Scan# 966
Delta R.T. 0.01 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.4	21.6
87	12.1	9.5	14.3

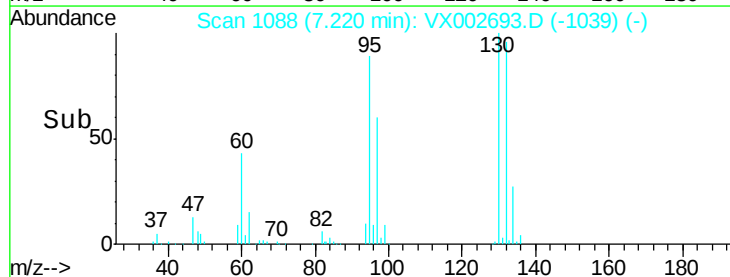
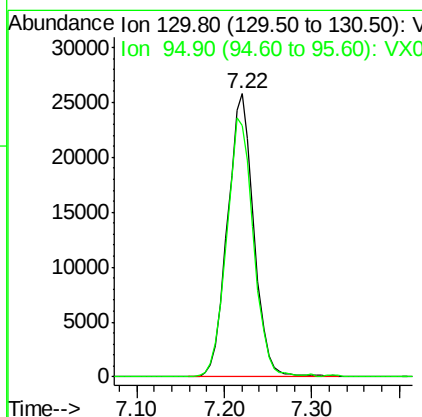
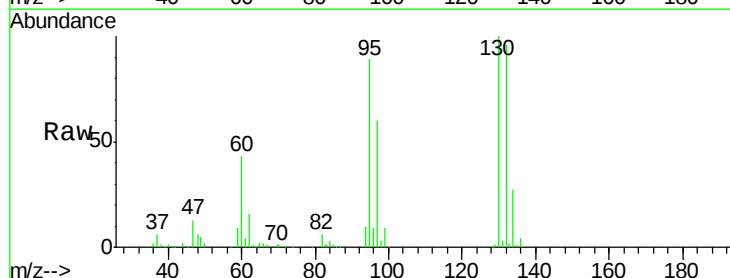
Manual Integrations
APPROVED

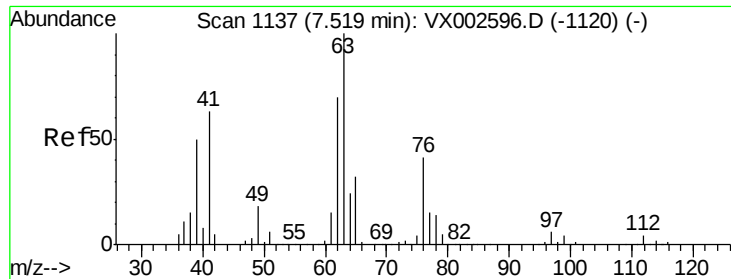
MMDadoda
6/19/2018 1:05:34 PM



#44
Trichloroethene
Concen: 19.592 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.7	0.0	185.4





#45

1,2-Dichloropropane

Concen: 19.573 ug/l

RT: 7.53 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS02

Tot Ion: 63 Resp: 49045

Ion Ratio Lower Upper

63 100

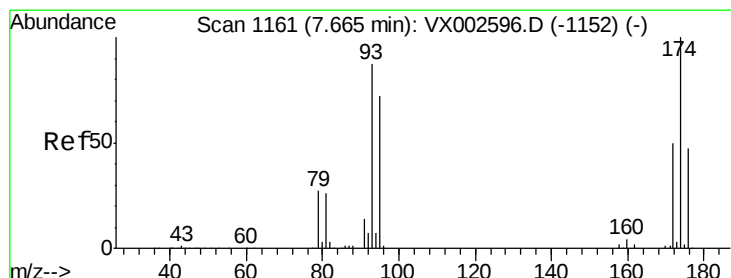
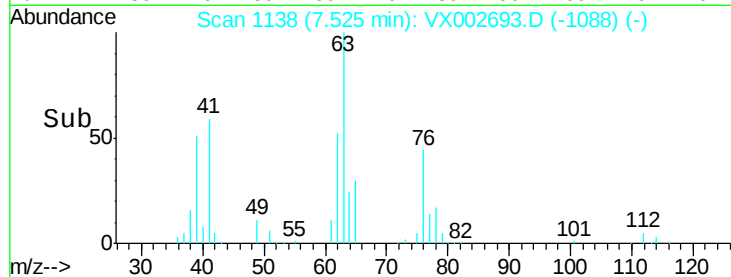
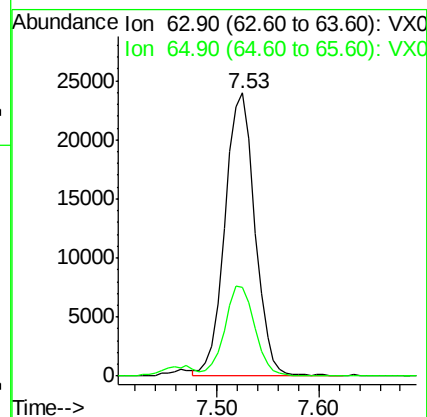
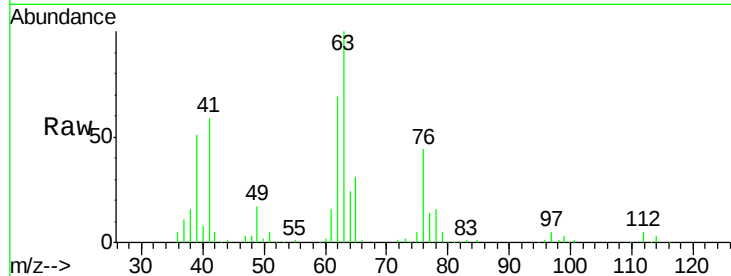
65 31.2 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 20.779 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

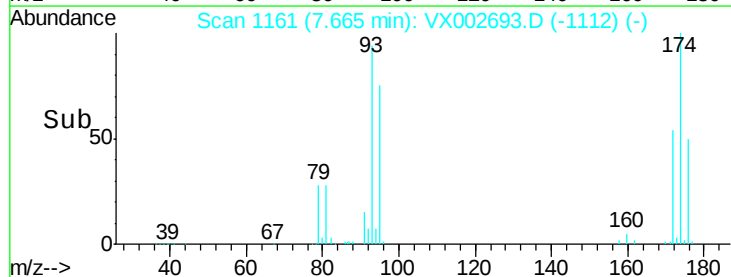
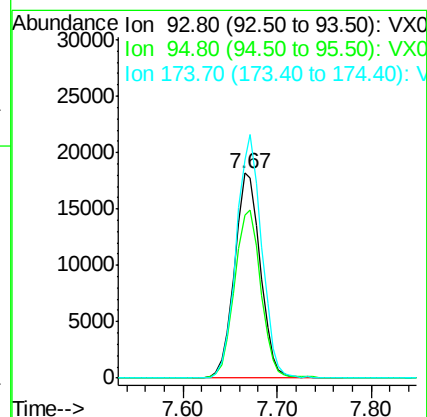
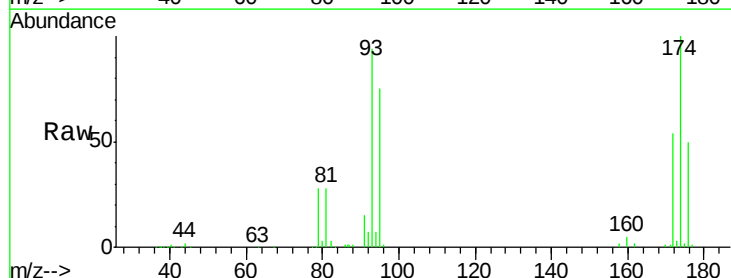
Tgt Ion: 93 Resp: 34828

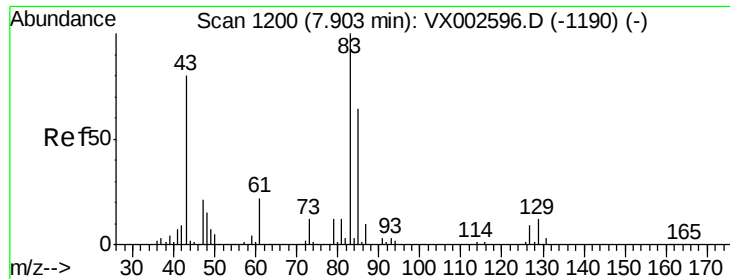
Ion Ratio Lower Upper

93 100

95 83.1 65.9 98.9

174 115.5 92.4 138.6





#47

Bromodichloromethane

Concen: 20.937 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

Instrument :

MSVOA_X

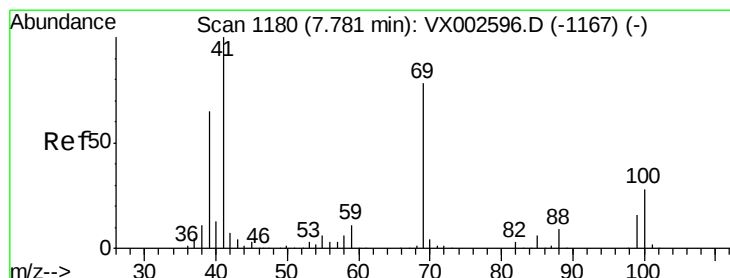
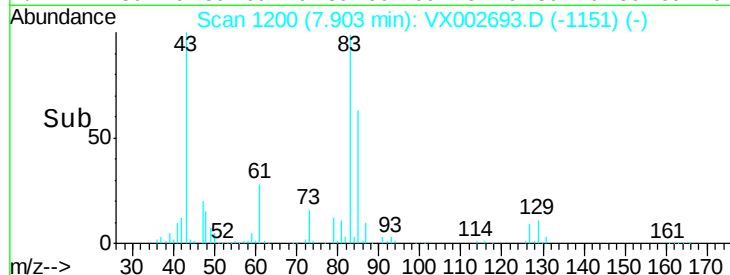
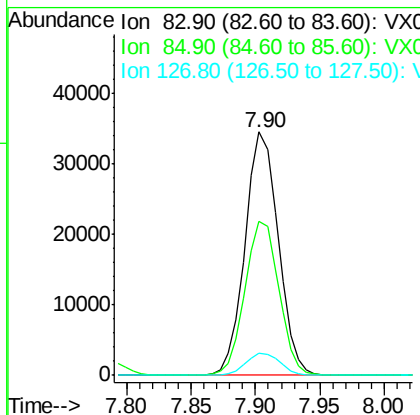
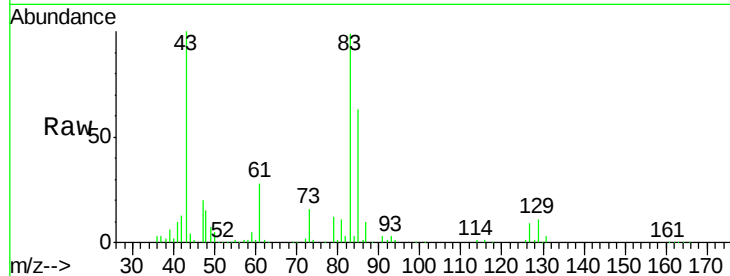
ClientSampleId :

VX0618WBS02

Tot Ion:	83	Resp:	61897
Ion Ratio	Lower	Upper	
83	100		
85	63.5	50.3	75.5
127	9.0	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.233 ug/l

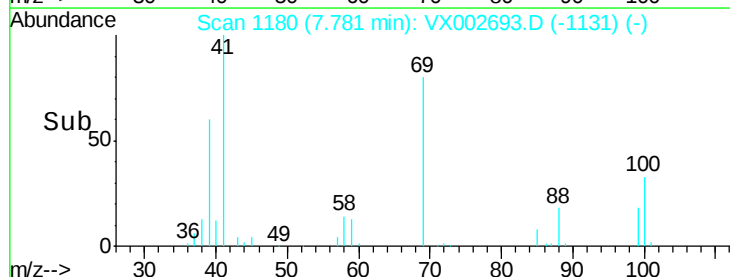
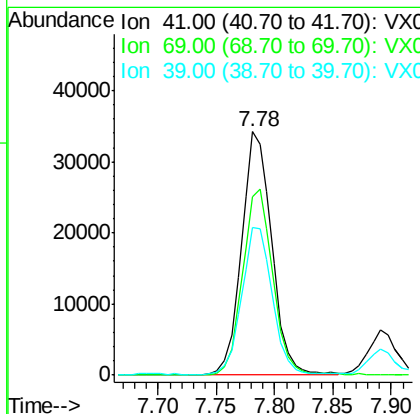
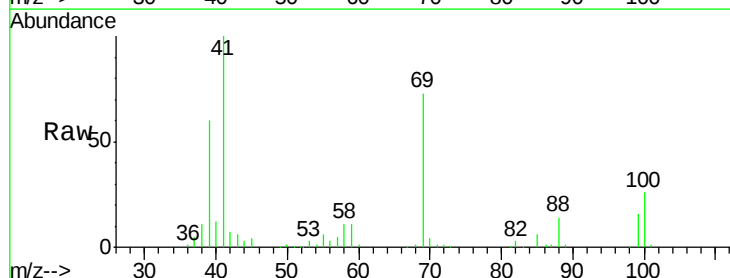
RT: 7.78 min Scan# 1180

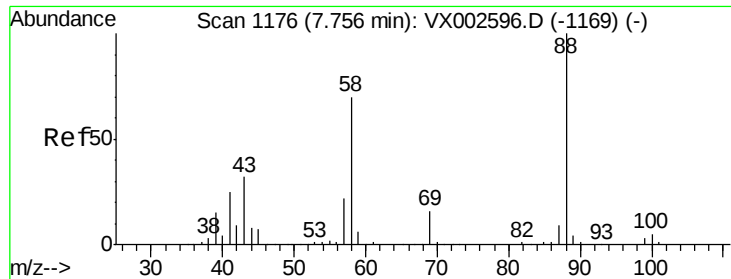
Delta R.T. 0.00 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

Tgt Ion:	41	Resp:	61564
Ion Ratio	Lower	Upper	
41	100		
69	77.1	59.1	88.7
39	61.9	48.9	73.3





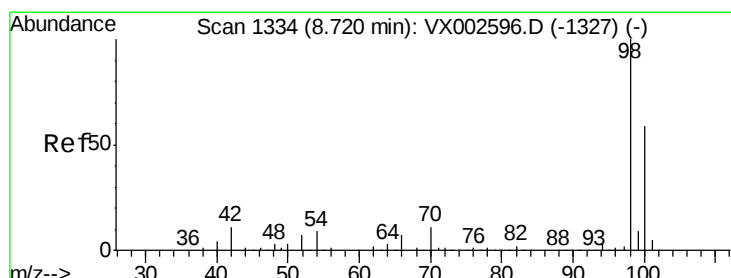
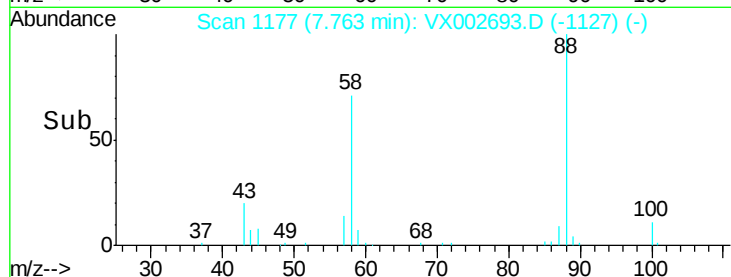
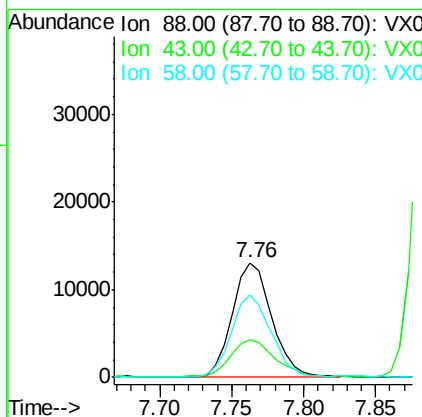
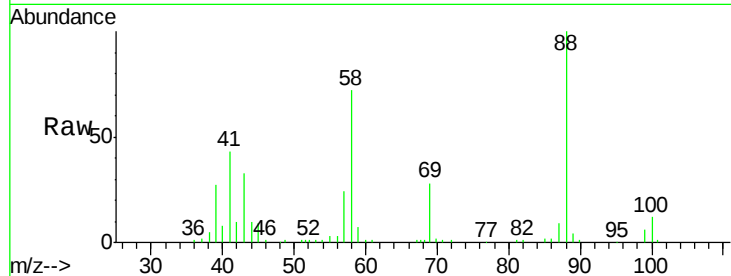
#49
1,4-Dioxane
Concen: 431.825 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	29.8	44.6
58	72.4	57.1	85.7

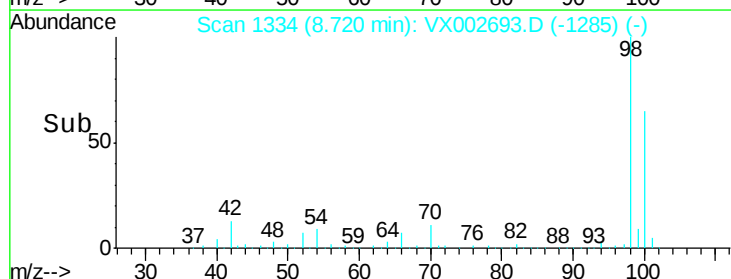
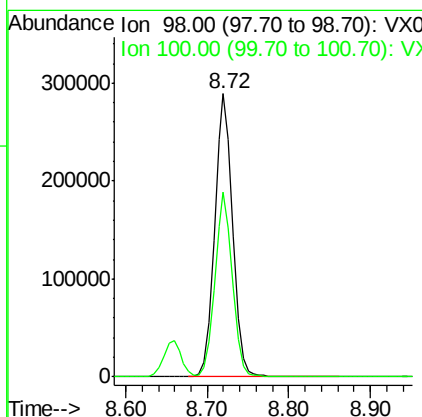
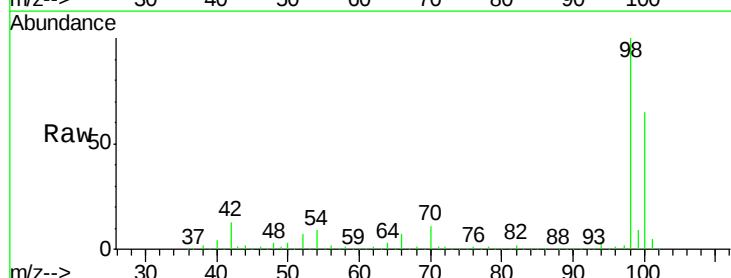
Manual Integrations
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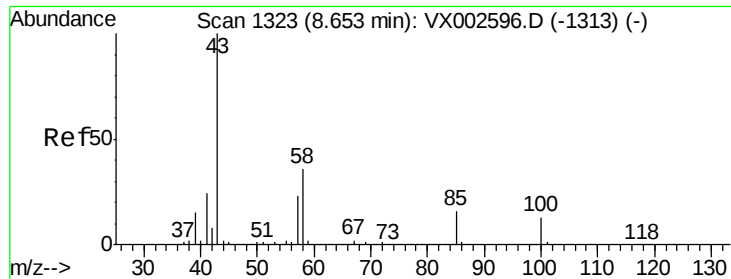
MMDadoda
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#50
Toluene-d8
Concen: 49.303 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 104.643 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS02

Tot Ion: 43 Resp: 400065

Ion Ratio Lower Upper

43 100

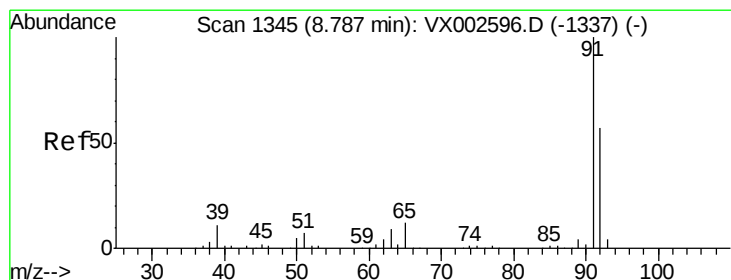
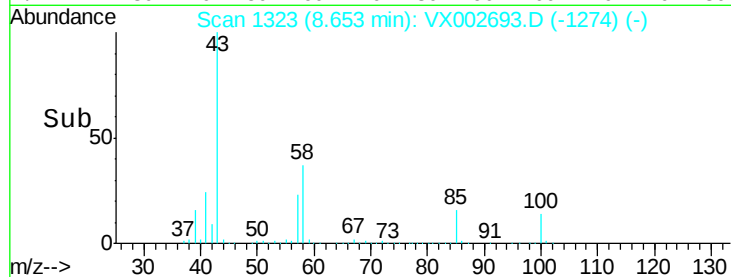
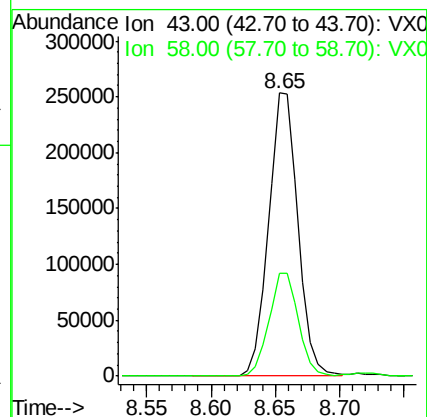
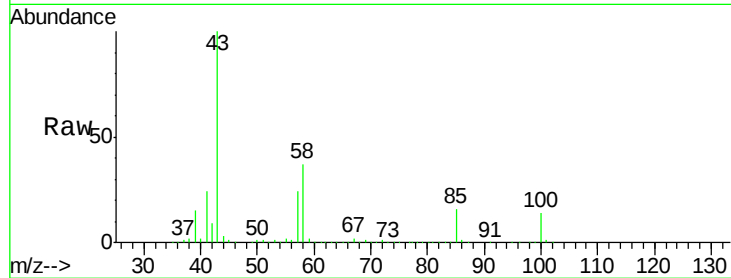
58 36.5 28.6 42.8

Manual Integrations

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#52

Toluene

Concen: 19.636 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002693.D

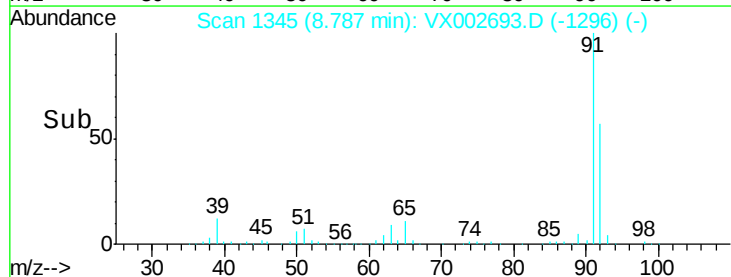
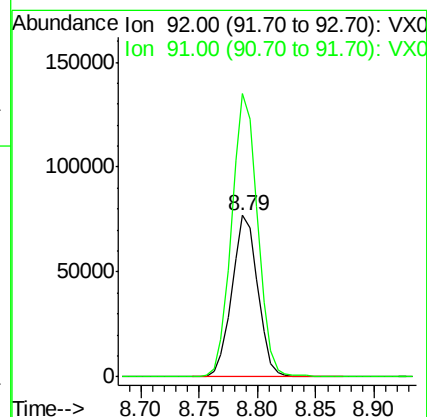
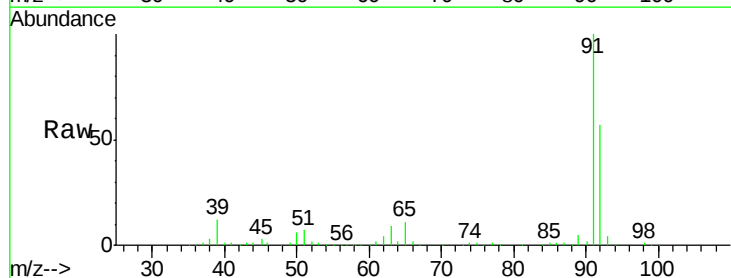
Acq: 18 Jun 2018 22:21

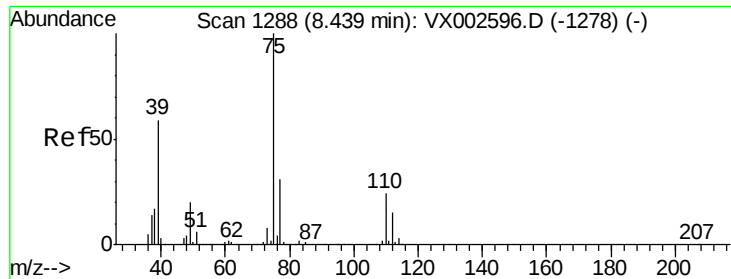
Tgt Ion: 92 Resp: 119254

Ion Ratio Lower Upper

92 100

91 176.5 140.4 210.6





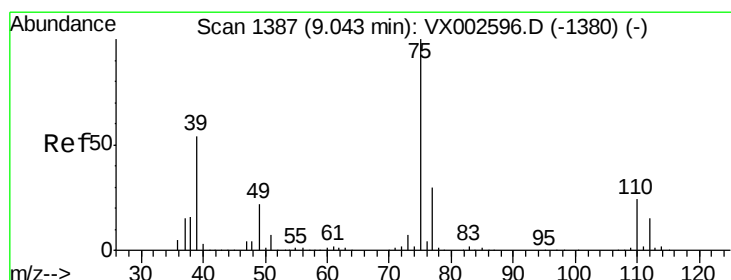
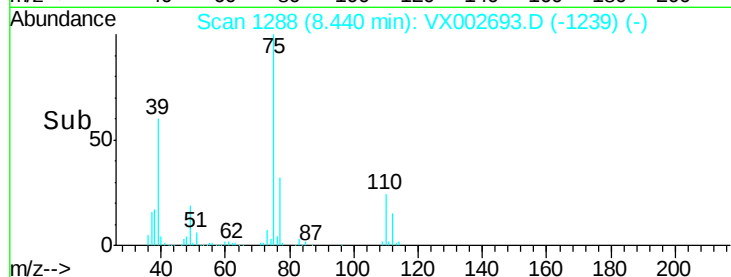
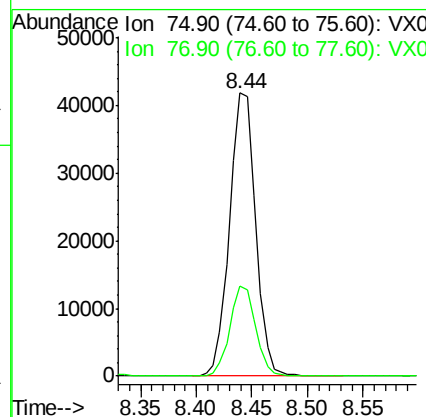
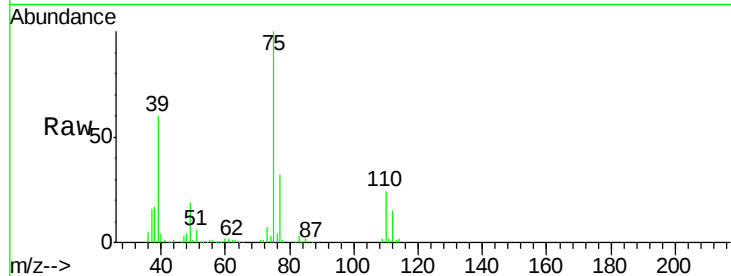
#53
t-1,3-Dichloropropene
Concen: 18.902 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS02

Tot Ion	75	Resp	67849
Ion Ratio	Lower	Upper	
75	100		
77	31.9	25.4	38.2

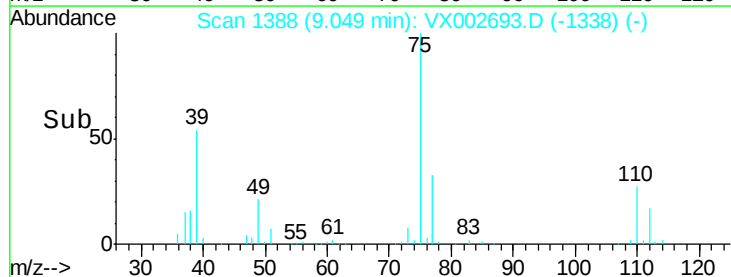
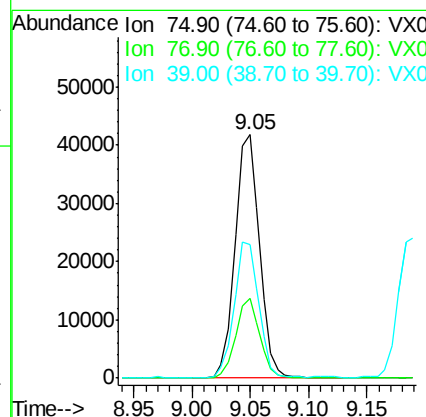
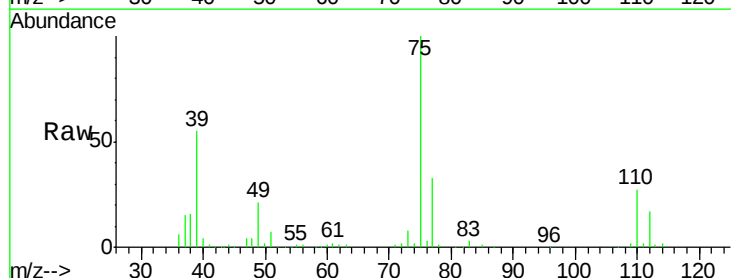
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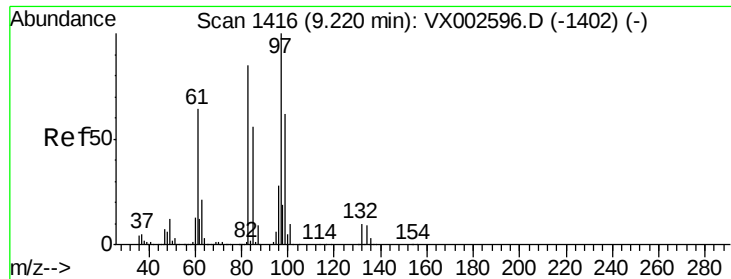
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#54
cis-1,3-Dichloropropene
Concen: 18.575 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Tgt Ion	75	Resp	61287
Ion Ratio	Lower	Upper	
75	100		
77	32.8	24.8	37.2
39	54.6	42.4	63.6





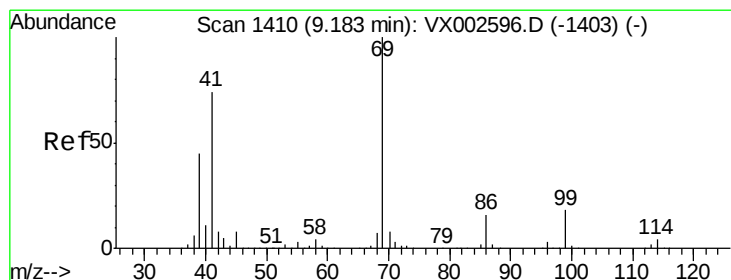
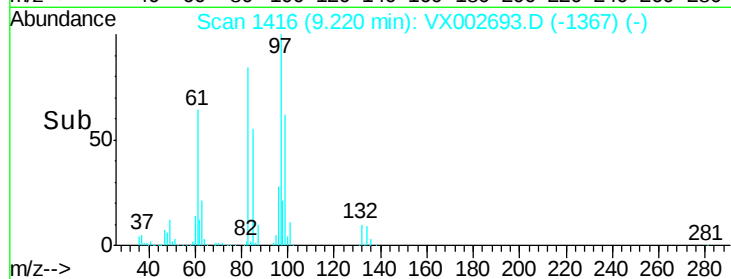
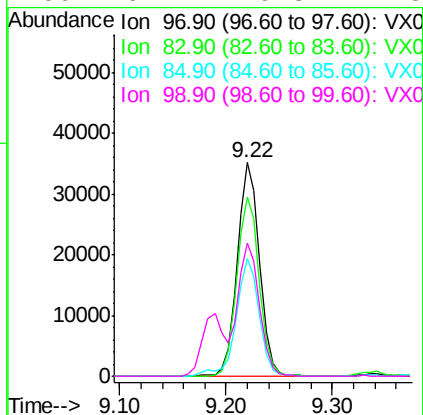
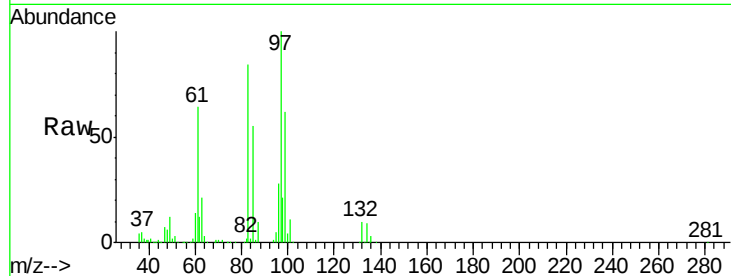
#55
 1,1,2-Trichloroethane
 Concen: 21.007 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002693.D
 Acq: 18 Jun 2018 22:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBS02

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.0	70.2	105.2
85	55.0	44.9	67.3
99	62.2	49.8	74.8

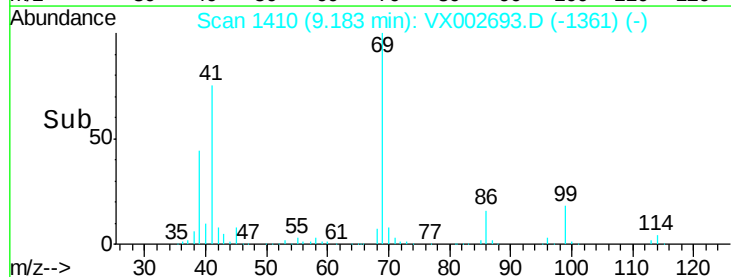
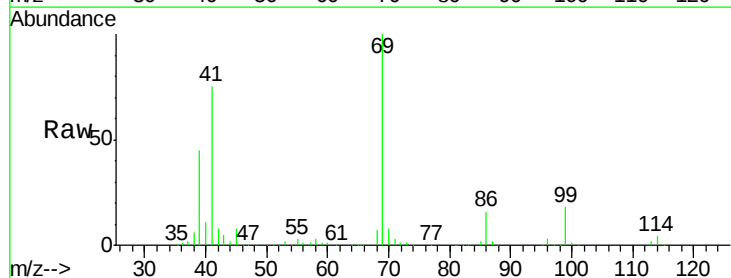
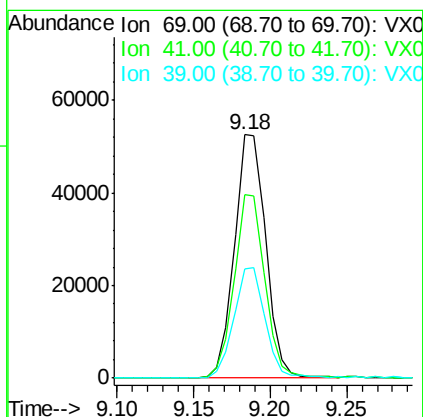
Manual Integrations
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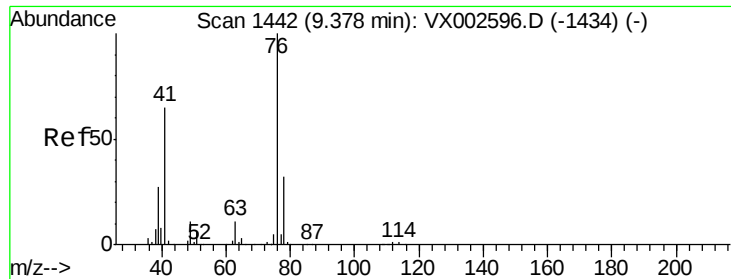
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#56
 Ethyl methacrylate
 Concen: 19.829 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX002693.D
 Acq: 18 Jun 2018 22:21

Tgt Ion	Ratio	Lower	Upper
69	100		
41	73.0	60.3	90.5
39	44.7	35.8	53.8





#57

1,3-Dichloropropane

Concen: 19.917 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS02

Tot Ion: 76 Resp: 82665

Ion Ratio Lower Upper

76 100

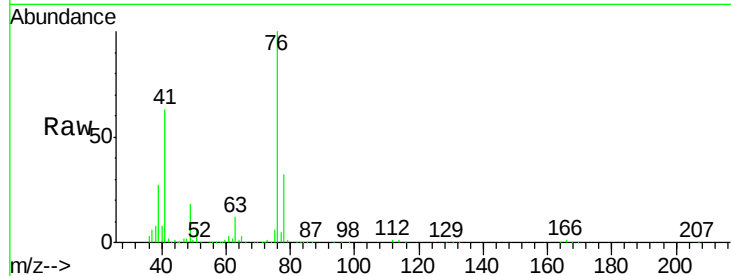
78 32.7 25.8 38.6

Manual Integrations

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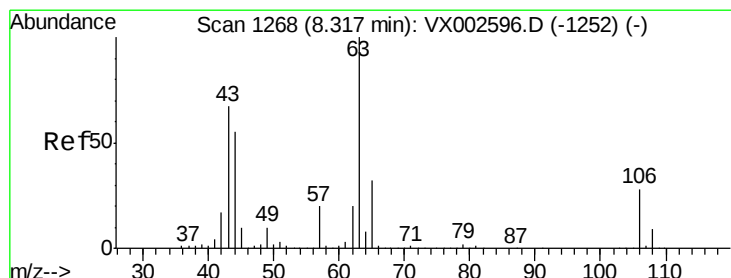
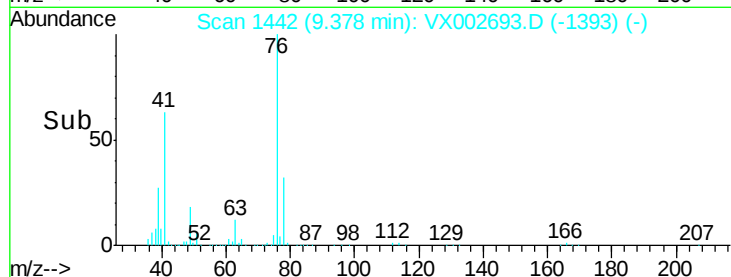
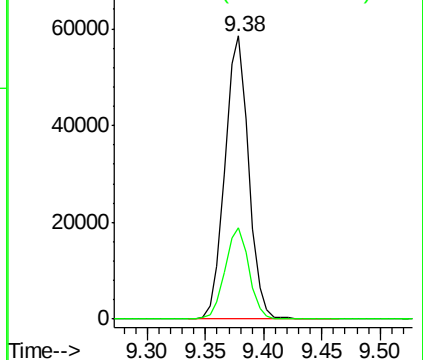
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 99.045 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX002693.D

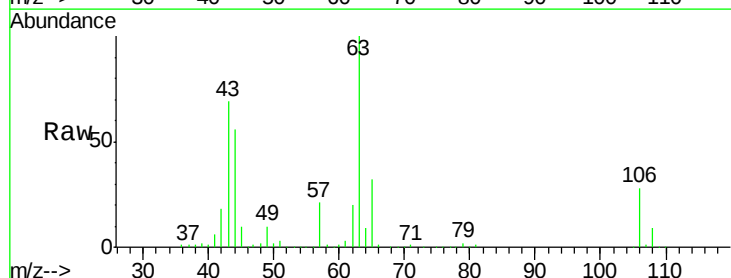
Acq: 18 Jun 2018 22:21

Tgt Ion: 63 Resp: 180917

Ion Ratio Lower Upper

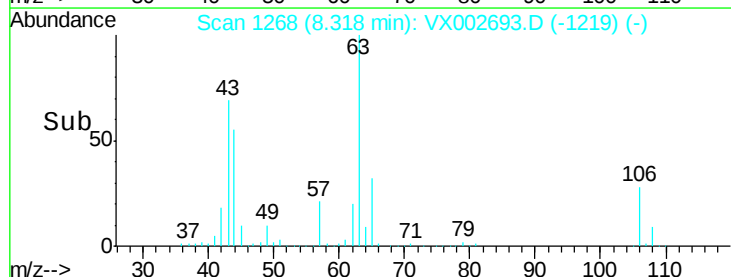
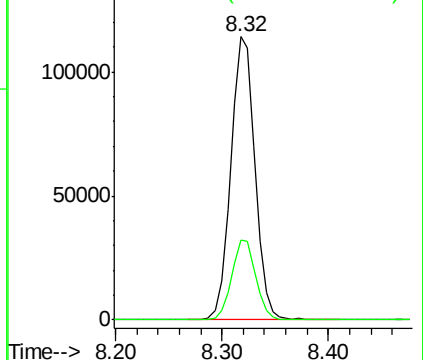
63 100

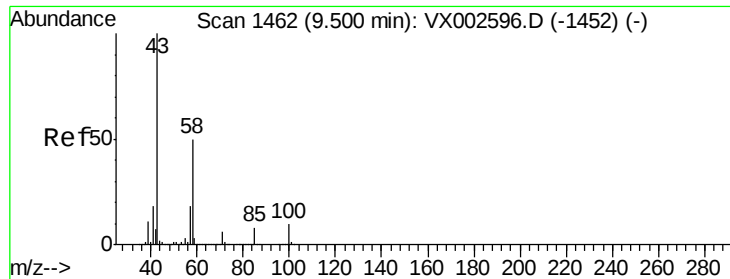
106 28.3 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





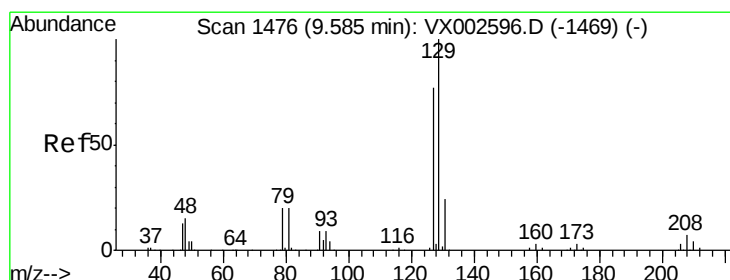
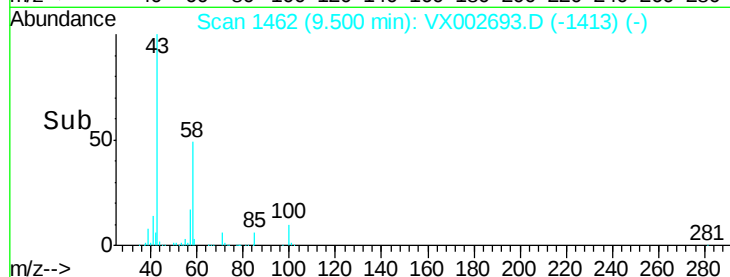
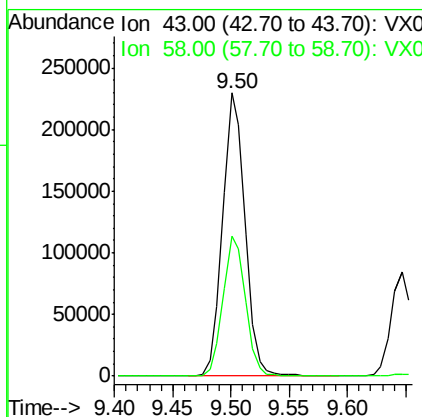
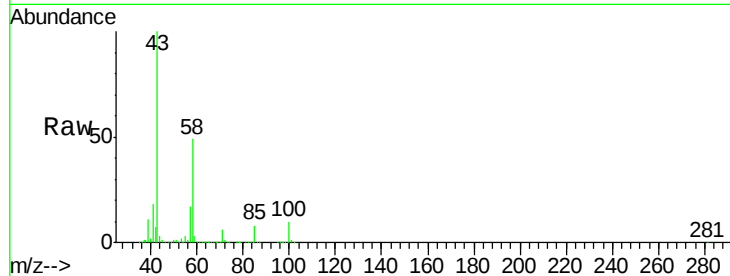
#59
2-Hexanone
Concen: 105.882 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS02

Tot Ion: 43 Resp: 305034
Ion Ratio Lower Upper
43 100
58 49.9 24.6 73.6

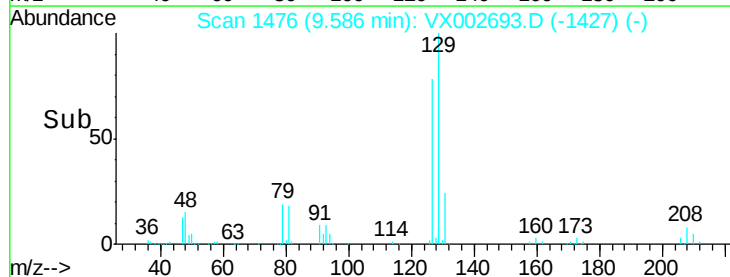
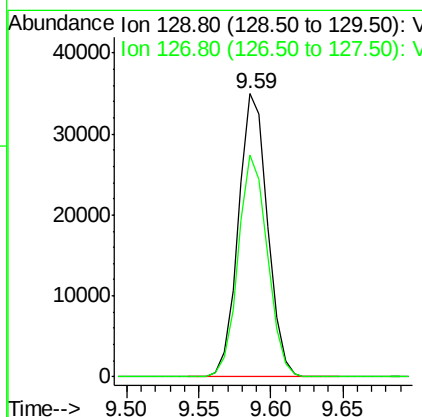
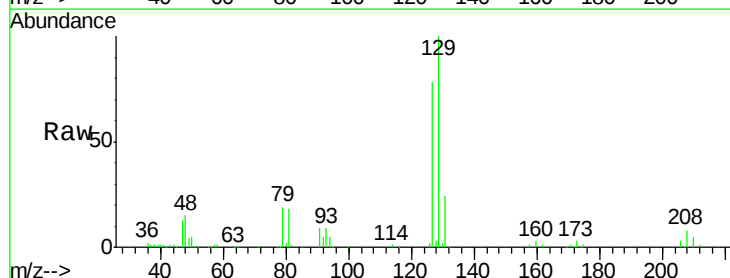
Manual Integrations
APPROVED

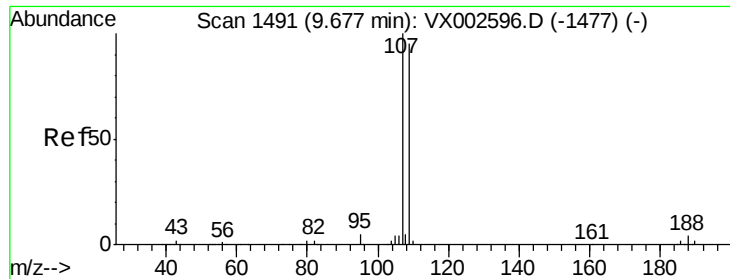
MMDadoda
6/19/2018 1:05:34 PM



#60
Dibromochloromethane
Concen: 20.279 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Tgt Ion: 129 Resp: 49309
Ion Ratio Lower Upper
129 100
127 78.4 38.5 115.3





#61

1,2-Dibromoethane

Concen: 20.442 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS02

Tot Ion:107 Resp: 51955

Ion Ratio Lower Upper

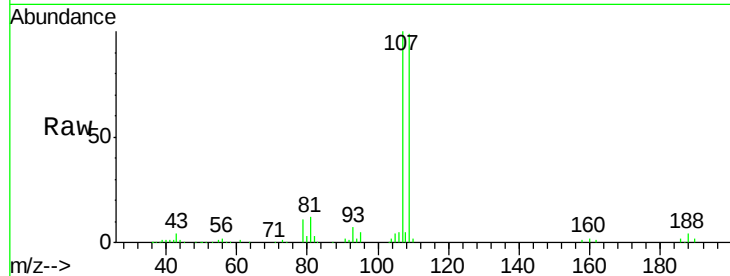
107 100

109 95.0 75.3 112.9

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

40000

30000

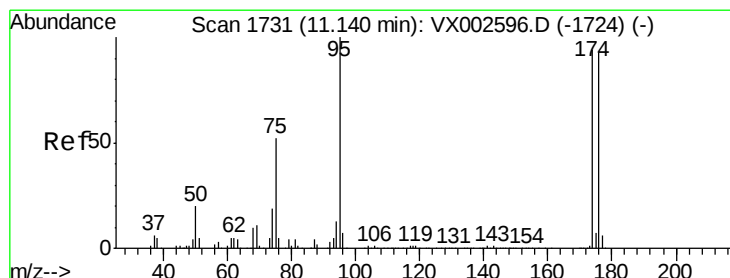
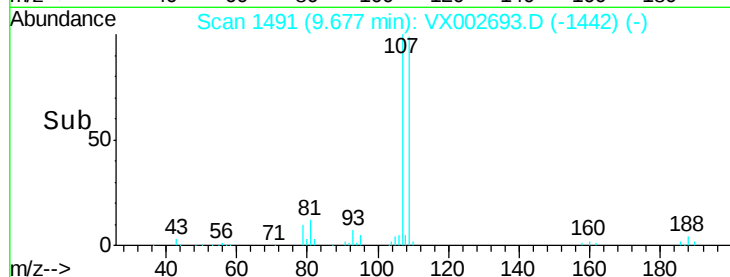
20000

10000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 47.986 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

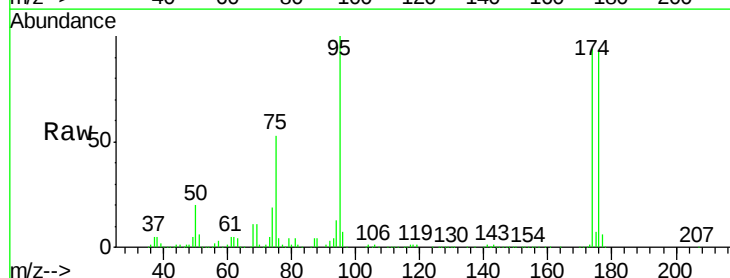
Tgt Ion: 95 Resp: 164736

Ion Ratio Lower Upper

95 100

174 99.0 0.0 187.4

176 96.6 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

11.14

150000

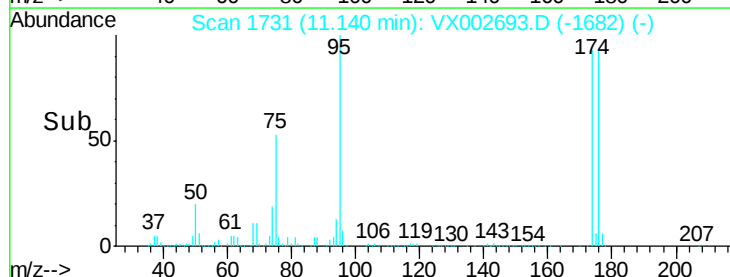
100000

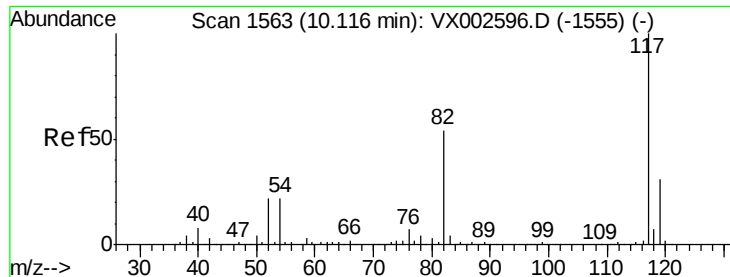
50000

0

Time-->

11.10 11.20





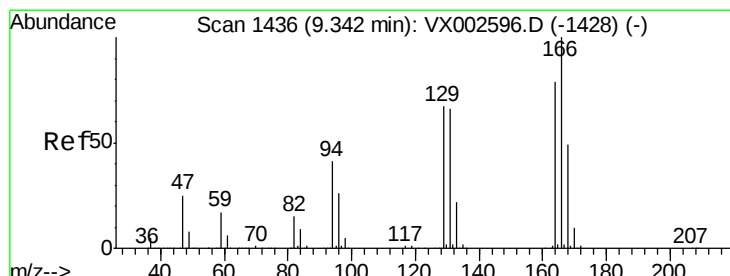
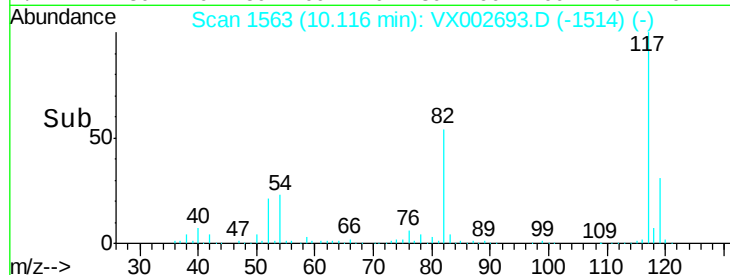
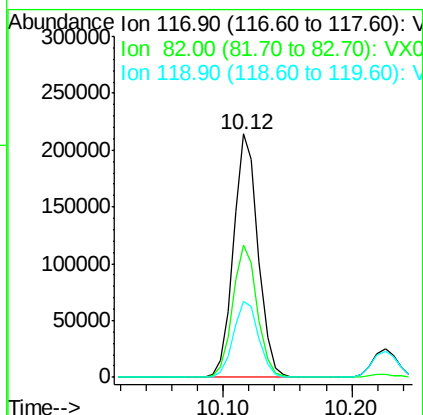
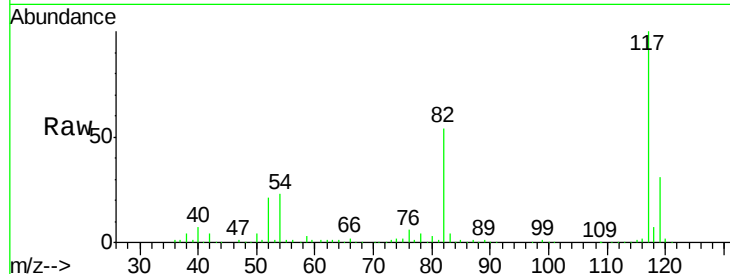
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	45.0	67.4
119	31.4	25.8	38.6

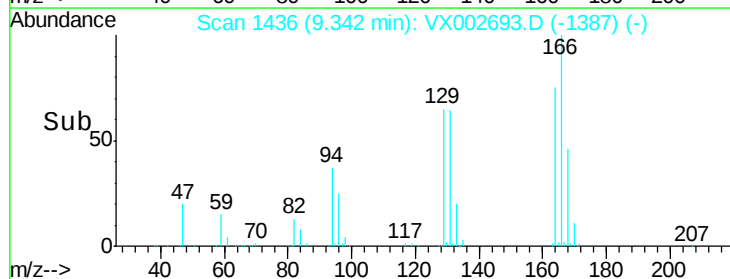
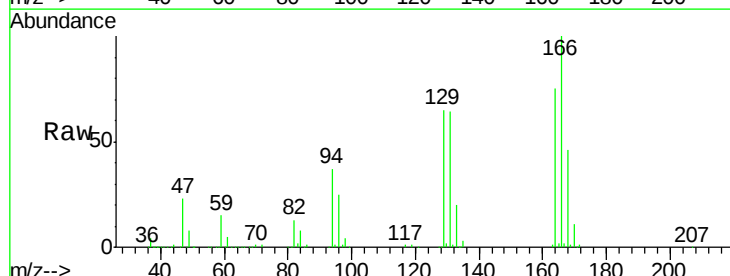
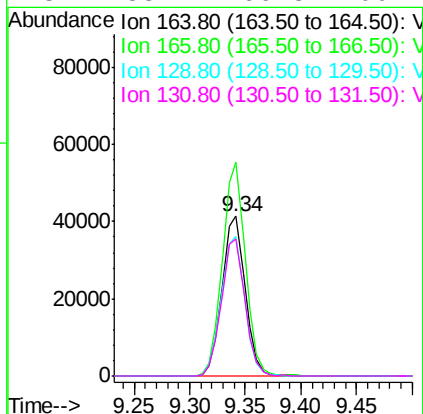
Manual Integrations
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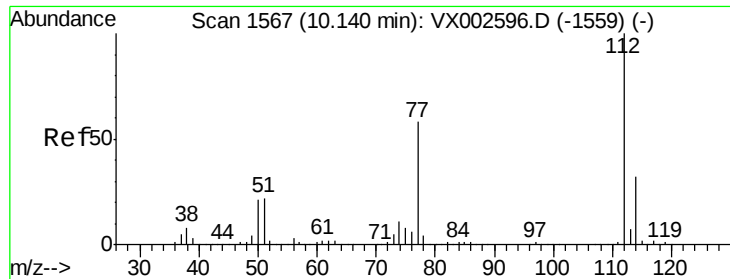
MMDadoda
6/19/2018 1:05:34 PM



#64
Tetrachloroethene
Concen: 18.995 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.0	102.9	154.3
129	87.2	68.6	102.8
131	85.7	66.8	100.2





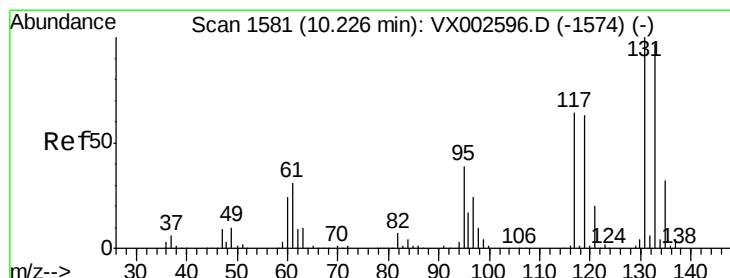
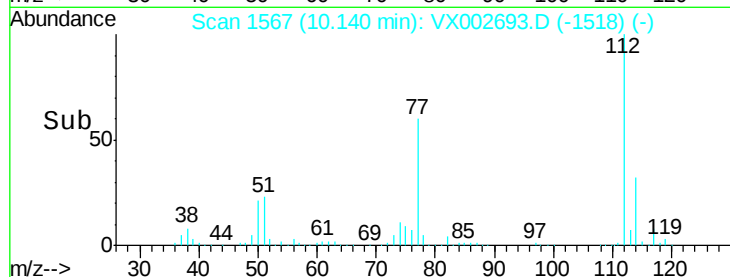
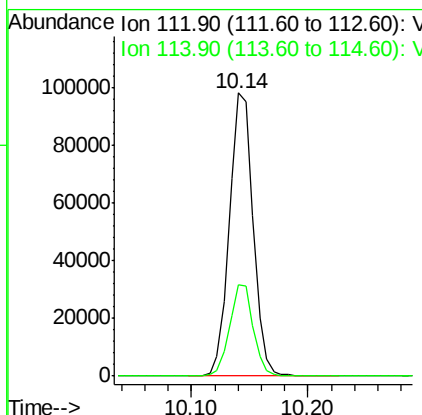
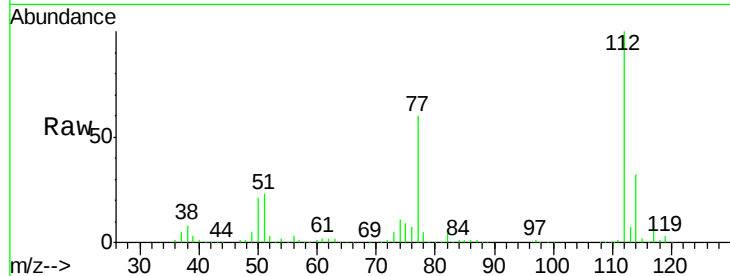
#65
Chlorobenzene
Concen: 19.952 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Instrument :
MSVOA_X
ClientSampled :
VX0618WBS02

Tot Ion:112 Resp: 139407
Ion Ratio Lower Upper
112 100
114 32.3 25.3 37.9

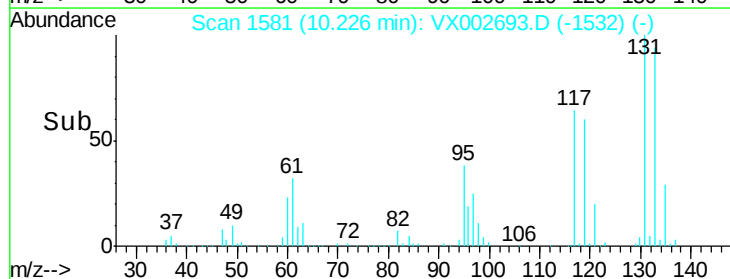
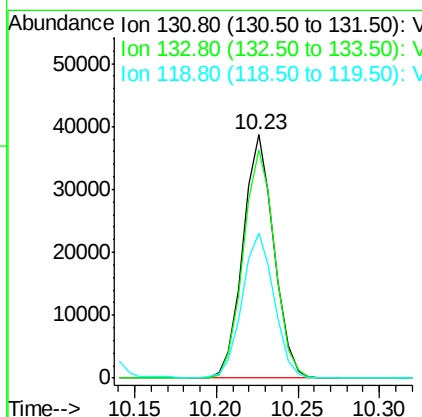
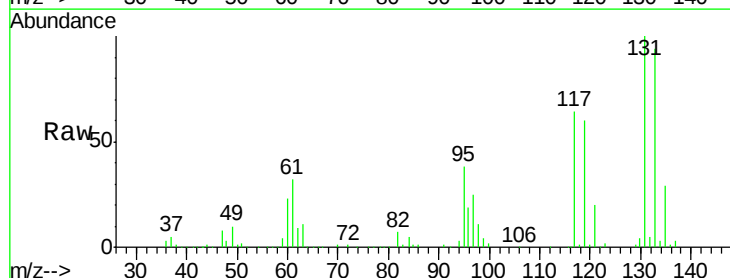
Manual Integrations
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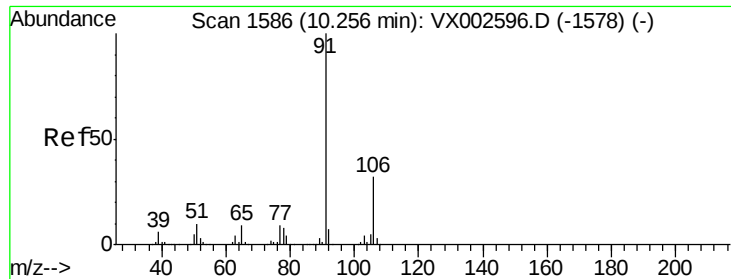
MMDadoda
6/19/2018 1:05:34 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.455 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Tgt Ion:131 Resp: 51106
Ion Ratio Lower Upper
131 100
133 95.5 47.9 143.6
119 61.8 31.8 95.3





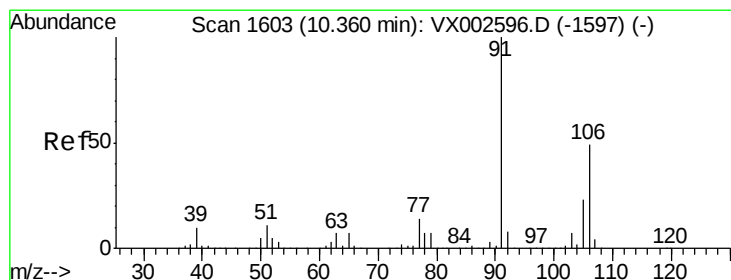
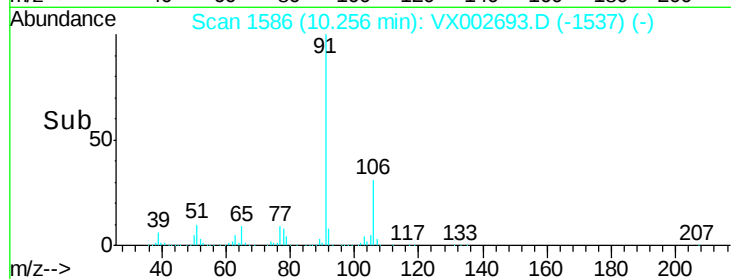
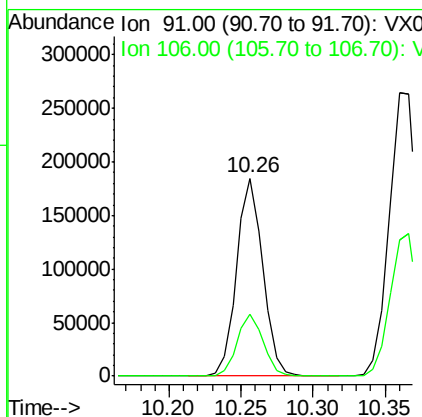
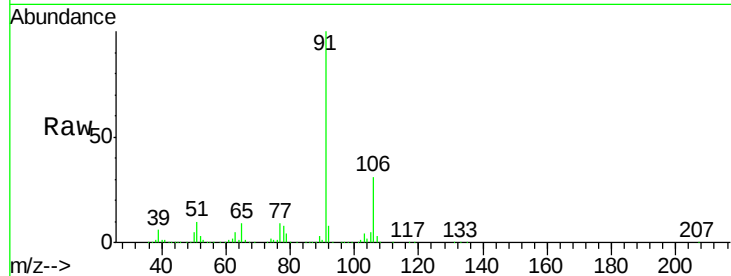
#67
Ethyl Benzene
Concen: 19.872 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS02

Tot Ion: 91 Resp: 234196
Ion Ratio Lower Upper
91 100
106 31.4 25.5 38.3

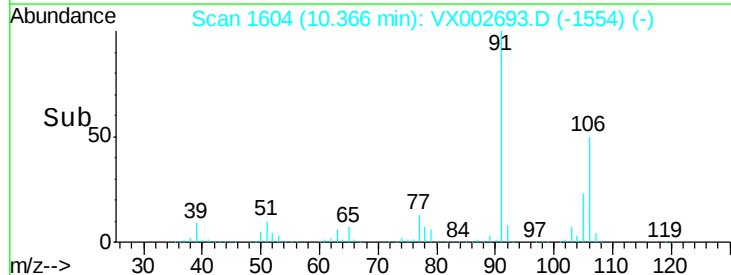
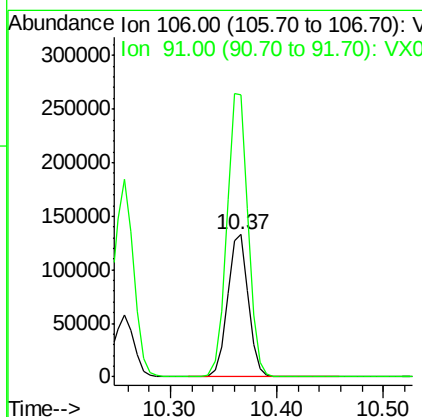
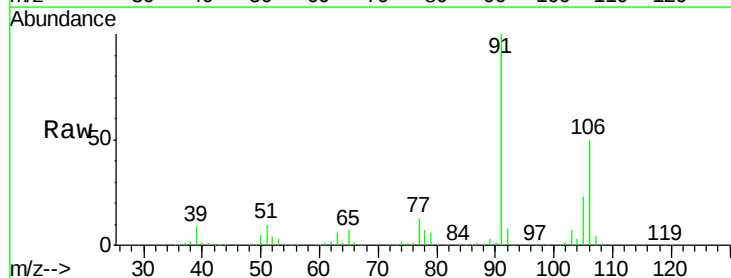
Manual Integrations
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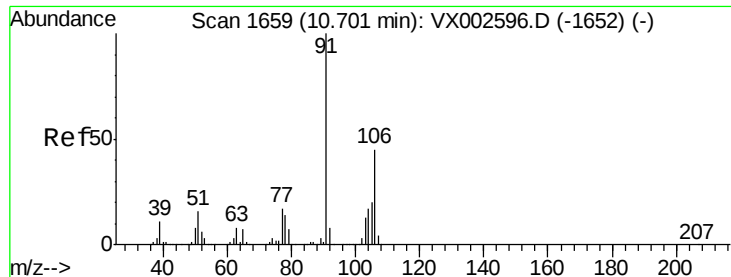
MMDadoda
6/19/2018 1:05:34 PM



#68
m/p-Xylenes
Concen: 39.853 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Tgt Ion: 106 Resp: 181172
Ion Ratio Lower Upper
106 100
91 203.0 163.4 245.2





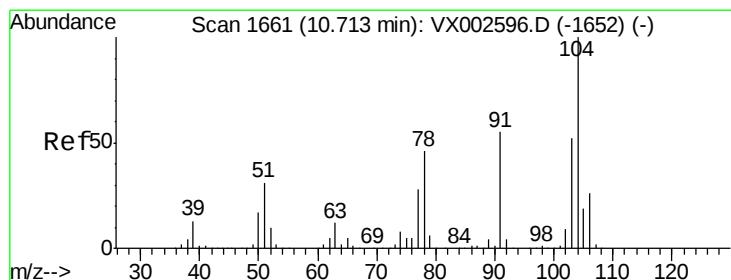
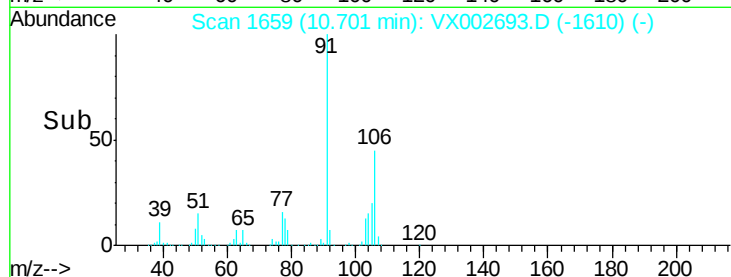
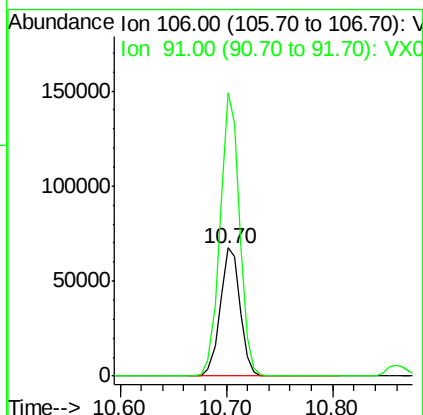
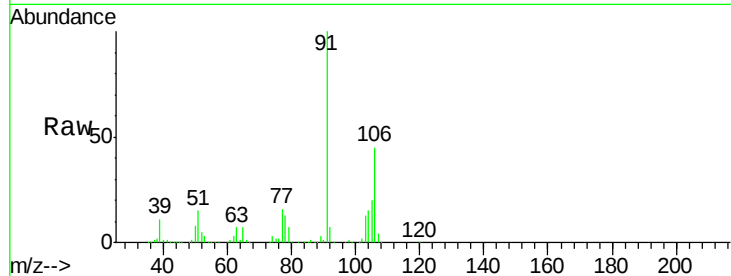
#69
o-Xylene
Concen: 19.643 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS02

Tot Ion:106 Resp: 87734
Ion Ratio Lower Upper
106 100
91 216.6 108.2 324.6

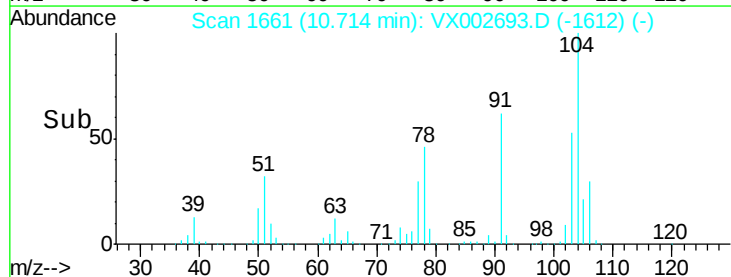
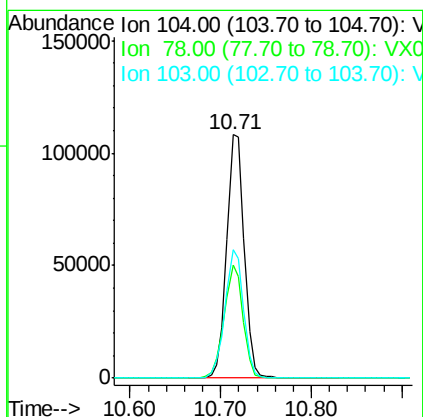
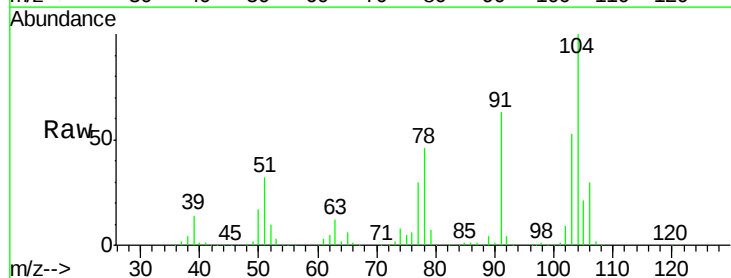
Manual Integrations
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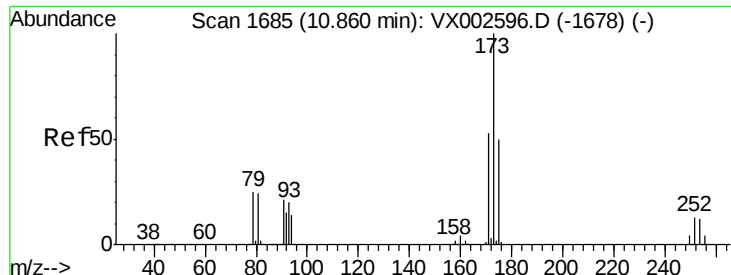
MMDadoda
6/19/2018 1:05:34 PM



#70
Styrene
Concen: 19.865 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Tgt Ion:104 Resp: 145912
Ion Ratio Lower Upper
104 100
78 50.1 41.0 61.6
103 56.1 44.2 66.4





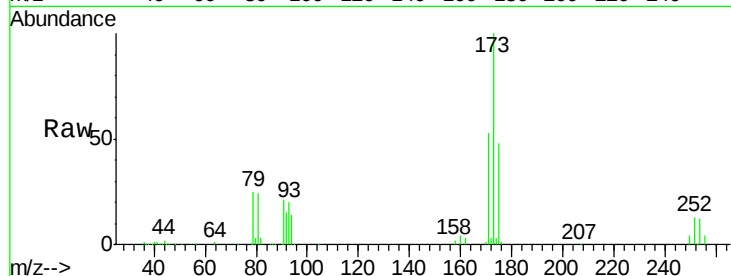
#71
Bromoform
Concen: 20.006 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS02

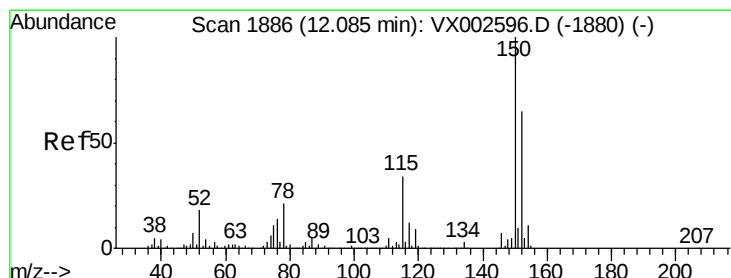
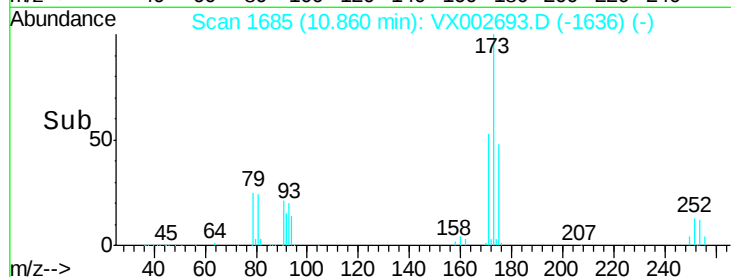
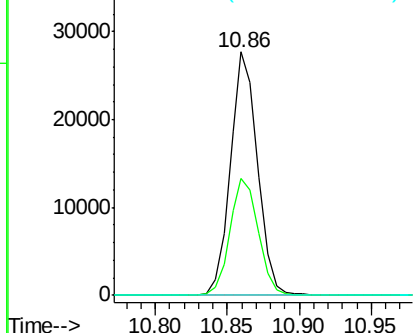
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.7	74.1
254	0.0	0.2	0.2

Manual Integrations
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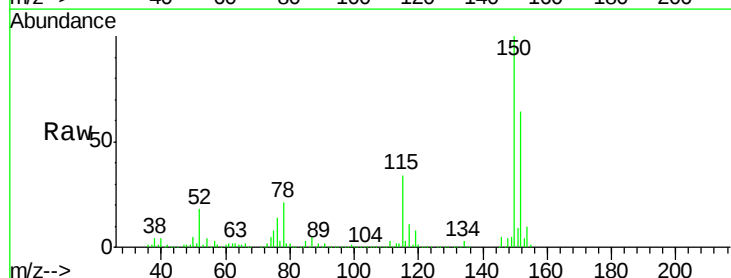


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

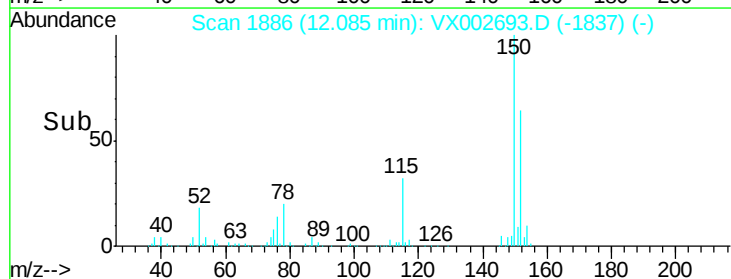
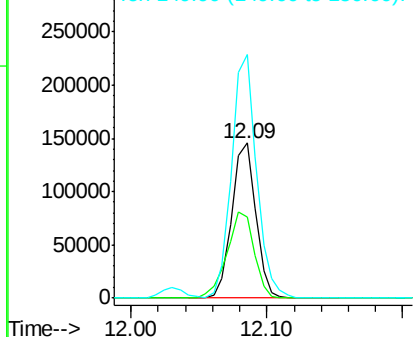


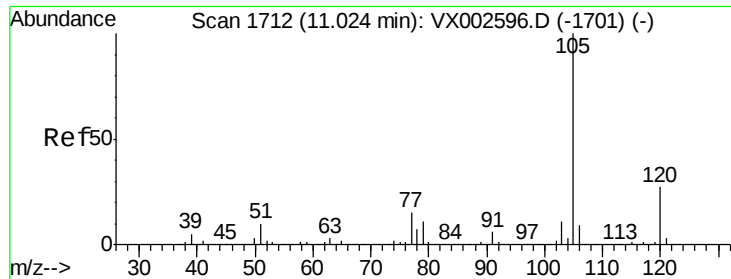
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.9	40.1	120.2
150	163.6	0.0	347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.242 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS02

Tot Ion: 105 Resp: 241634

Ion Ratio Lower Upper

105 100

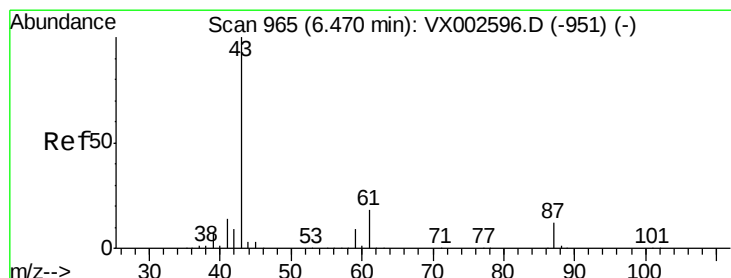
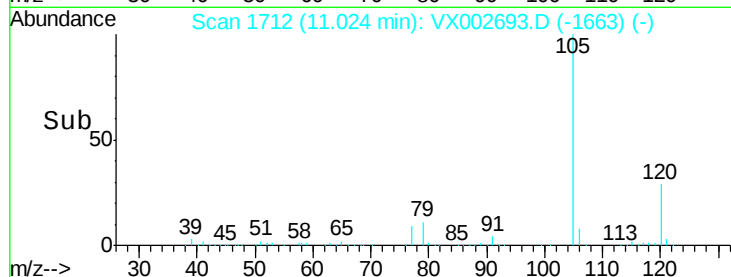
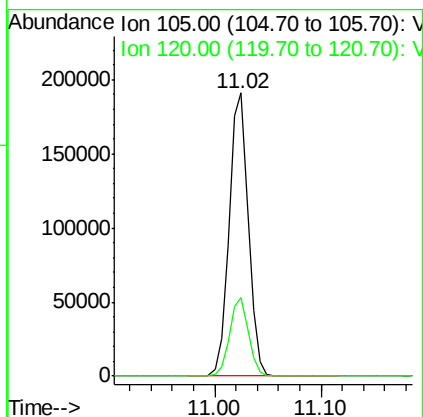
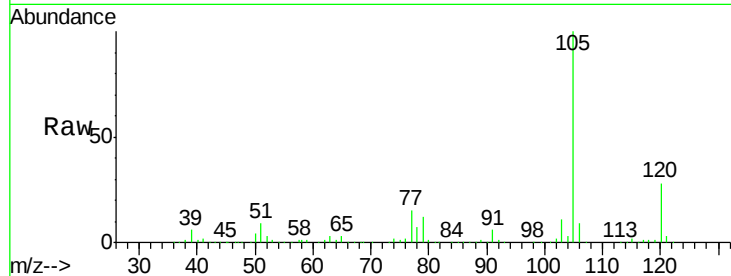
120 27.2 13.5 40.4

Manual Integrations

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6/19/2018 1:05:34 PM



#74

N-ethyl acetate

Concen: 20.119 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

Tgt Ion: 43 Resp: 119324

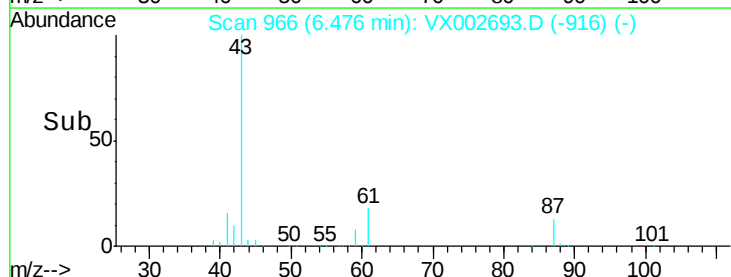
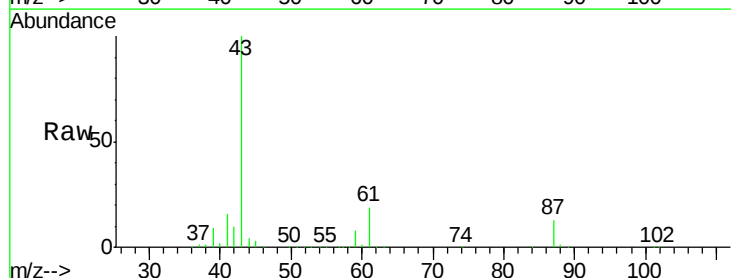
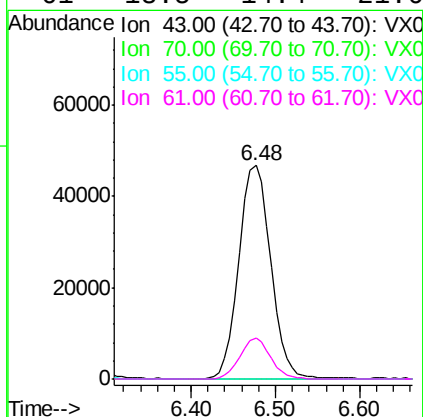
Ion Ratio Lower Upper

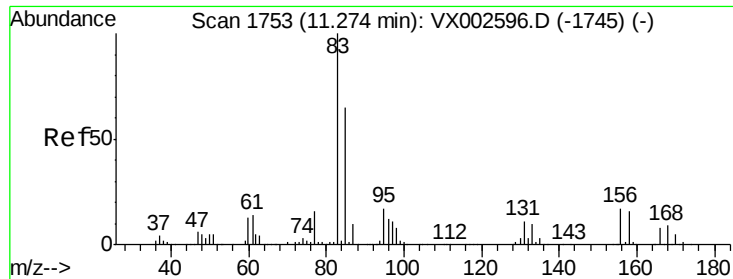
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 18.5 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.056 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

Instrument :

MSVOA_X

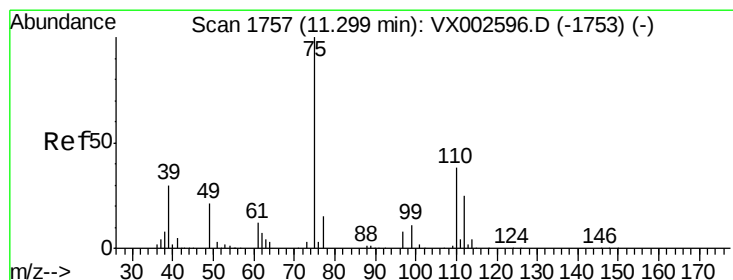
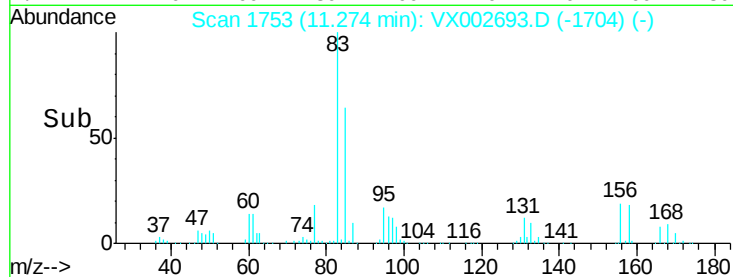
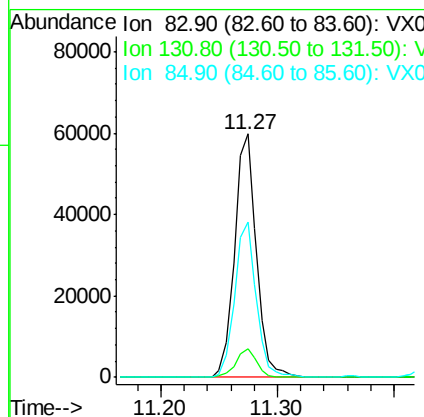
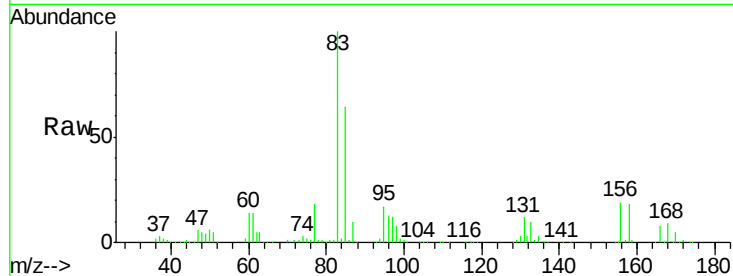
ClientSampleId :

VX0618WBS02

Tot Ion:	83	Resp:	77751
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.6	16.8
85	63.3	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 21.860 ug/l m

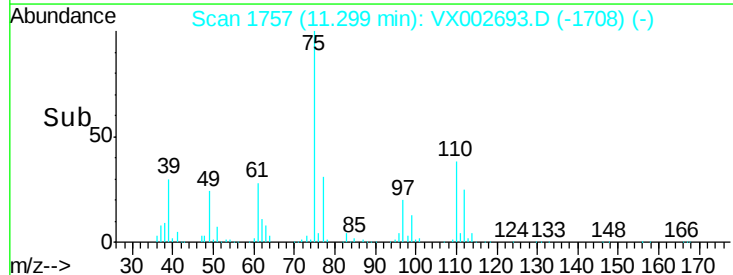
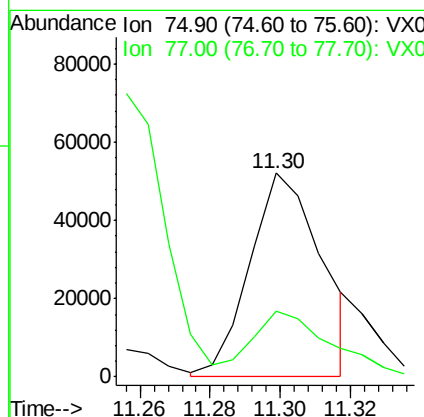
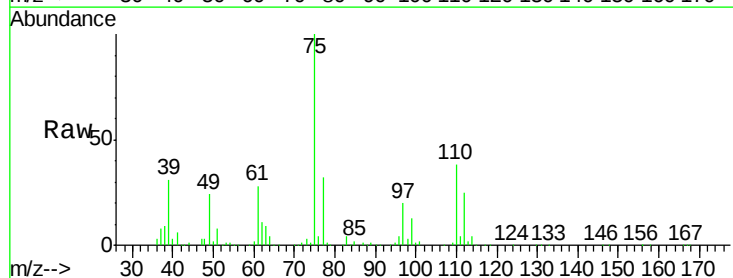
RT: 11.30 min Scan# 1757

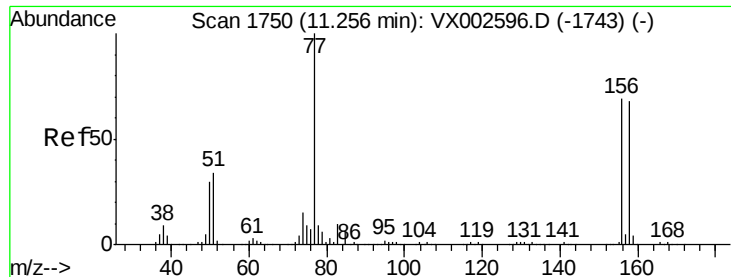
Delta R.T. 0.00 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

Tgt Ion:	75	Resp:	73626
Ion Ratio	Lower	Upper	
75	100		
77	36.2	22.8	68.3





#77

Bromobenzene

Concen: 20.091 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.01 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

Instrument :

MSVOA_X

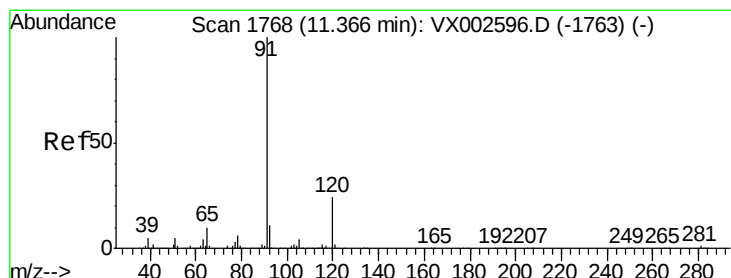
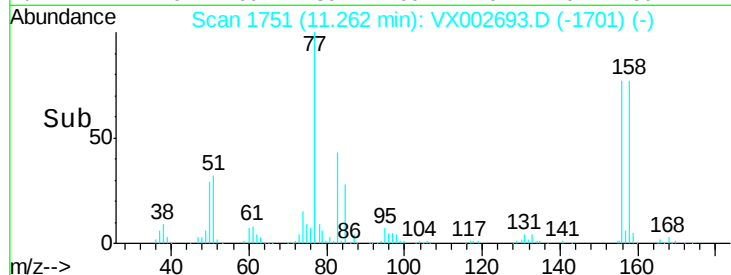
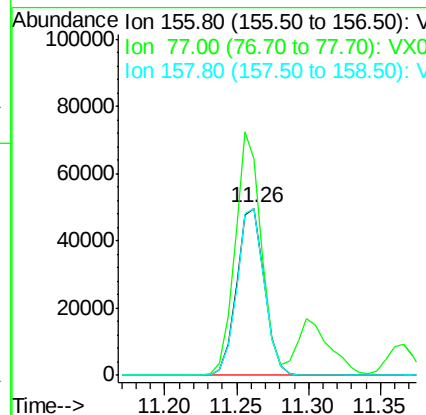
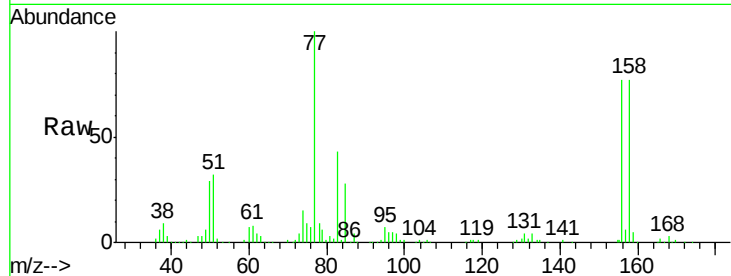
ClientSampleId :

VX0618WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	138.5	71.4	214.2		
158	98.9	48.9	146.6		

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#78

n-propylbenzene

Concen: 19.919 ug/l

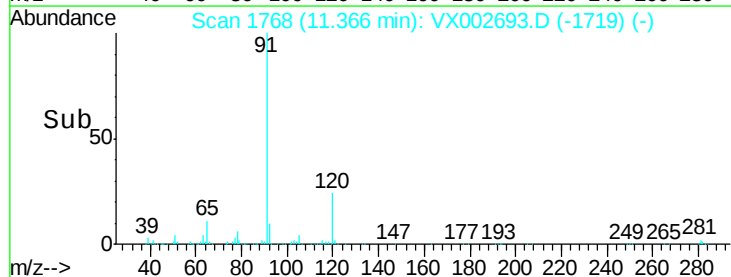
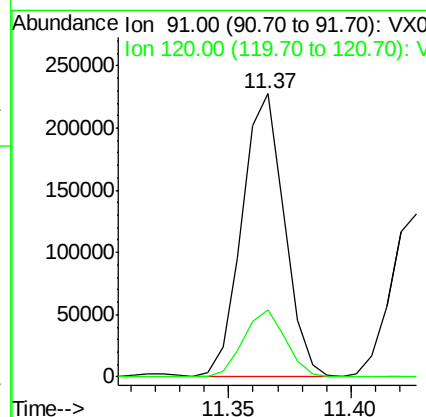
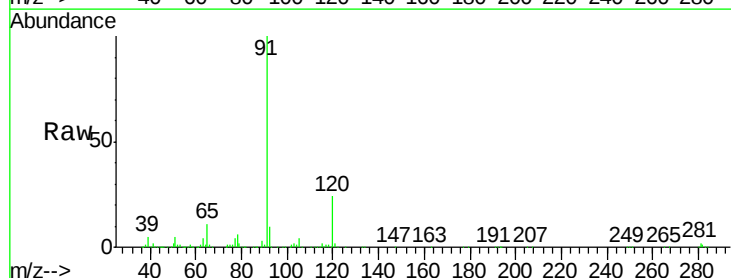
RT: 11.37 min Scan# 1768

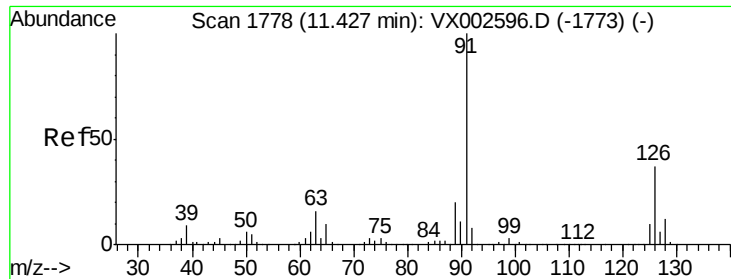
Delta R.T. 0.00 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	23.7	11.8	35.4		





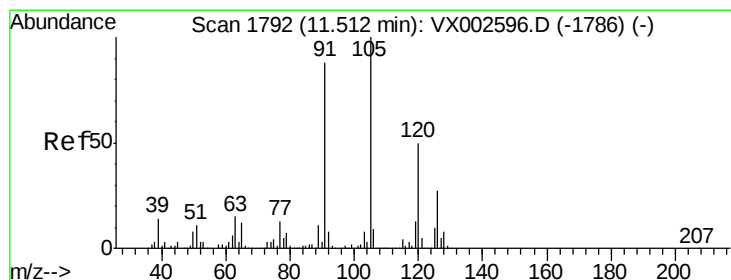
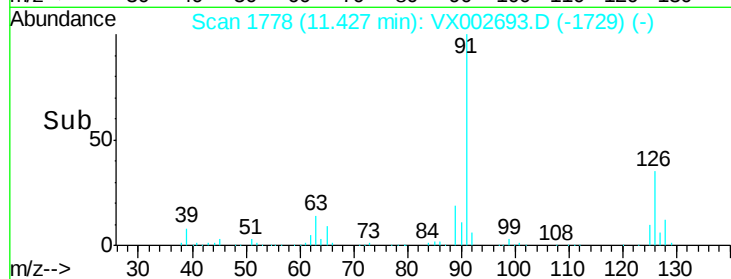
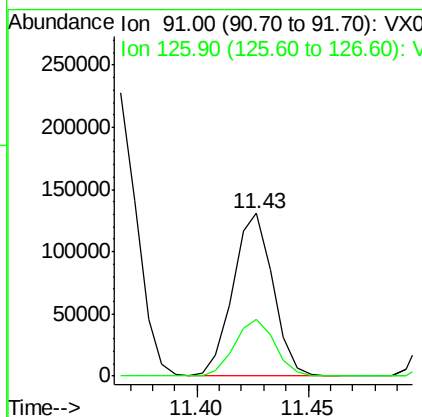
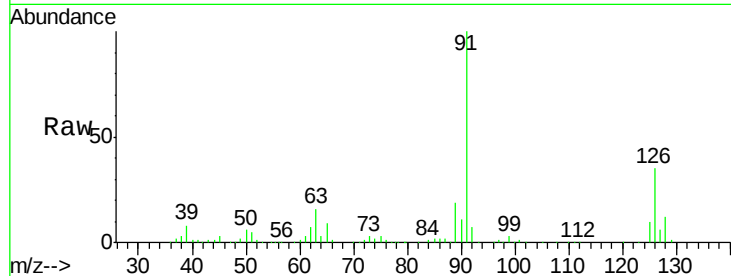
#79
 2-Chlorotoluene
 Concen: 19.899 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX002693.D
 Acq: 18 Jun 2018 22:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBS02

Tot Ion: 91 Resp: 162653
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.7 53.1

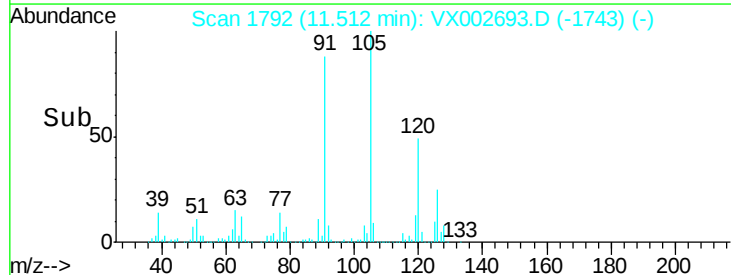
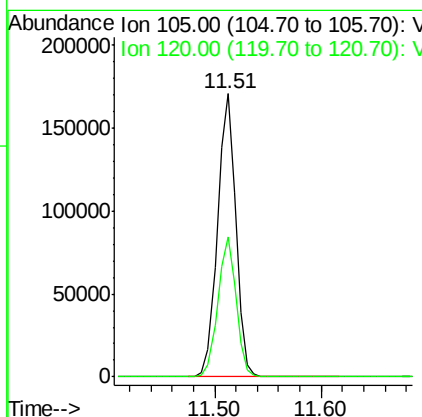
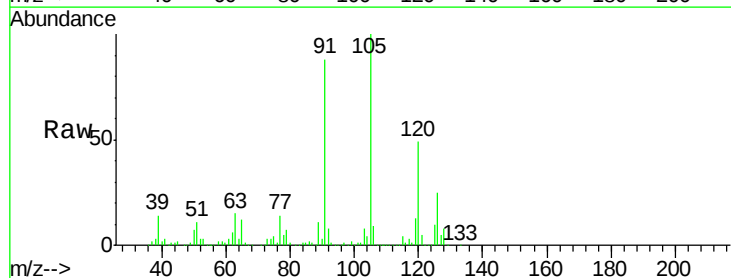
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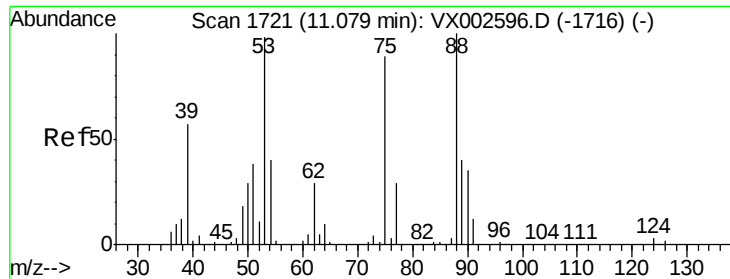
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.153 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX002693.D
 Acq: 18 Jun 2018 22:21

Tgt Ion: 105 Resp: 203311
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 17.876 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS02

Tot Ion: 75 Resp: 15728

Ion Ratio Lower Upper

75 100

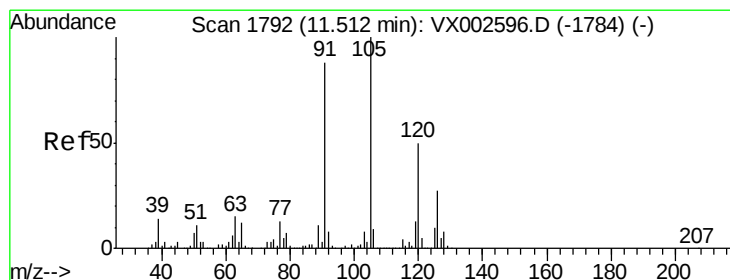
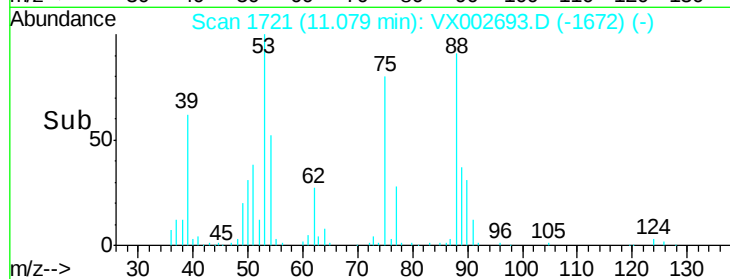
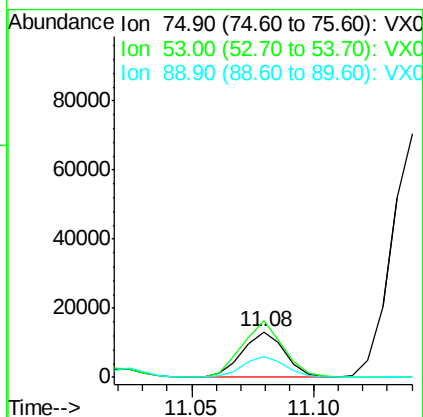
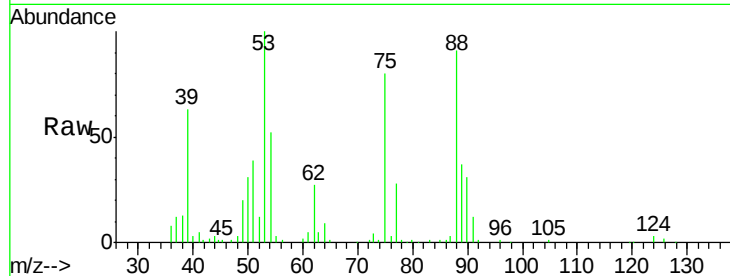
53 122.9 86.8 130.2

89 47.5 38.2 57.2

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#82

4-Chlorotoluene

Concen: 19.855 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002693.D

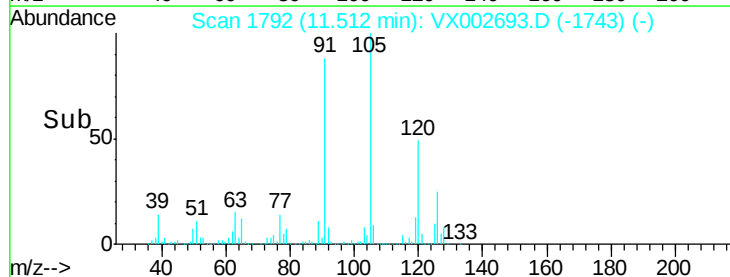
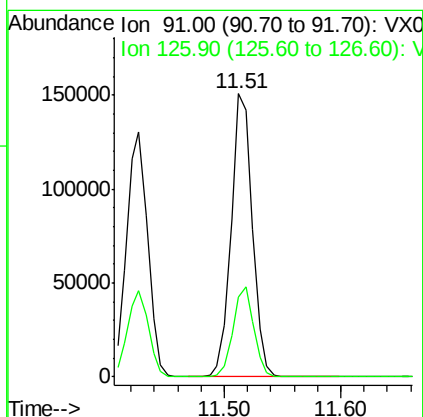
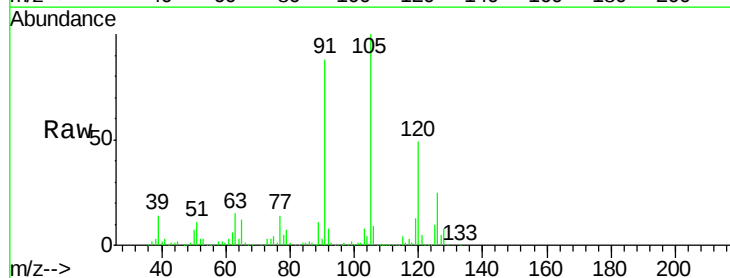
Acq: 18 Jun 2018 22:21

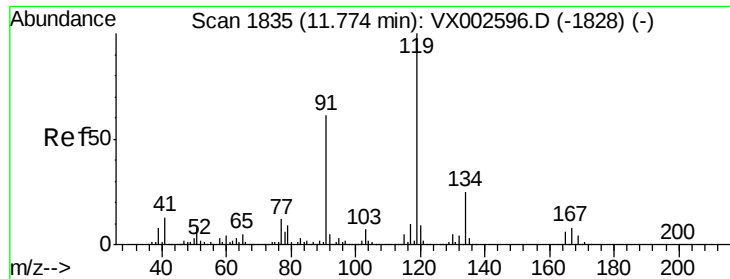
Tgt Ion: 91 Resp: 191495

Ion Ratio Lower Upper

91 100

126 31.1 15.4 46.4





#83

tert-Butylbenzene

Concen: 20.557 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

Instrument :

MSVOA_X

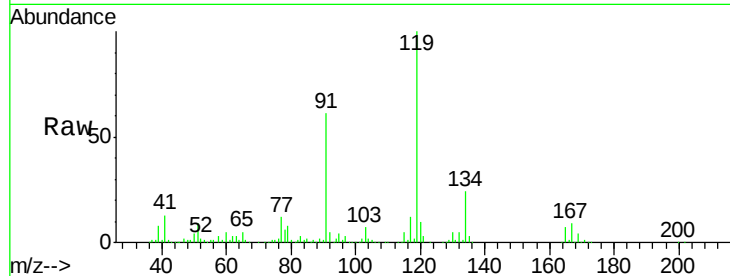
ClientSampleId :

VX0618WBS02

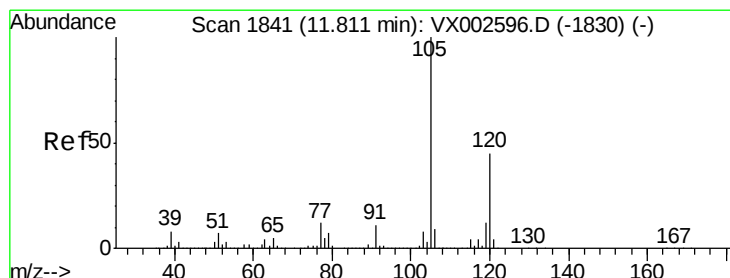
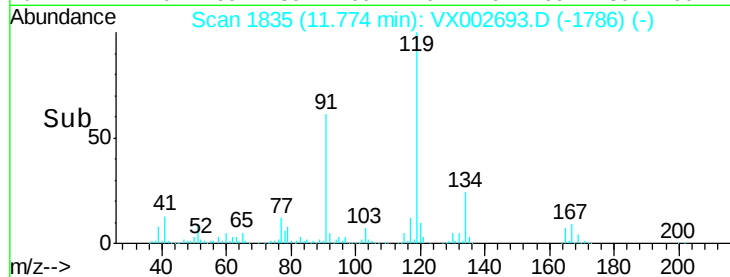
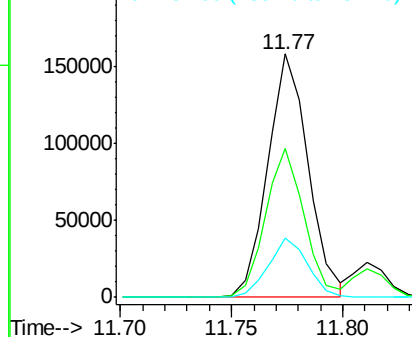
Tot Ion:	119	Resp:	199780
Ion Ratio	Lower	Upper	
119	100		
91	58.7	30.3	90.9
134	23.8	11.7	35.1

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



#84

1,2,4-Trimethylbenzene

Concen: 20.334 ug/l

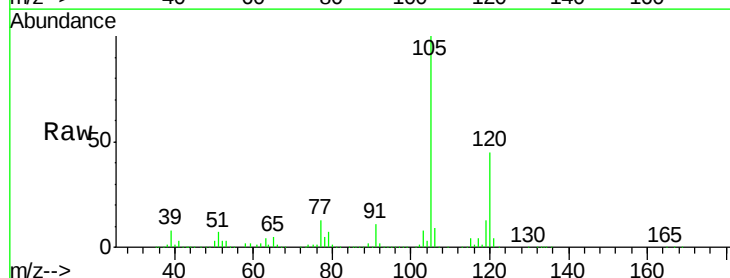
RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

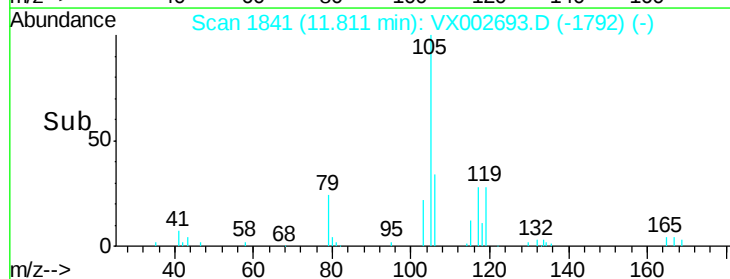
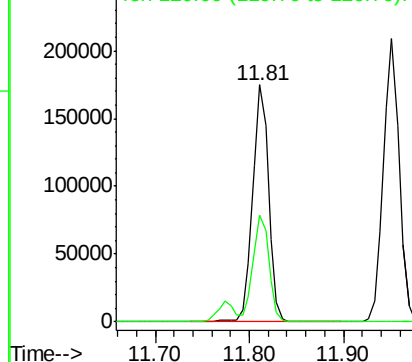
Lab File: VX002693.D

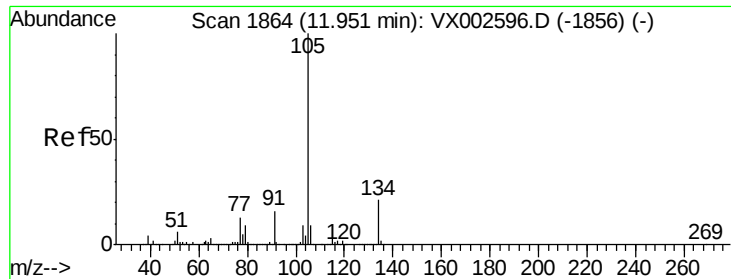
Acq: 18 Jun 2018 22:21

Tgt Ion:	105	Resp:	209322
Ion Ratio	Lower	Upper	
105	100		
120	45.5	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: 20.265 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBS02

Tot Ion:105 Resp: 244894

Ion Ratio Lower Upper

105 100

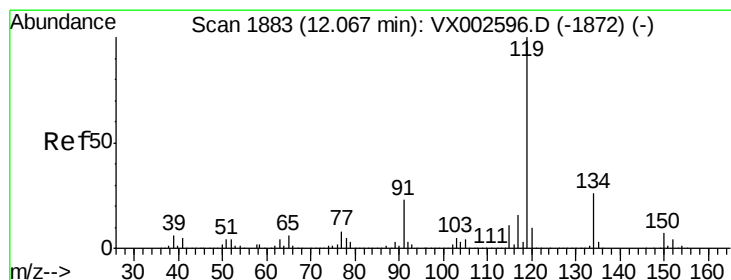
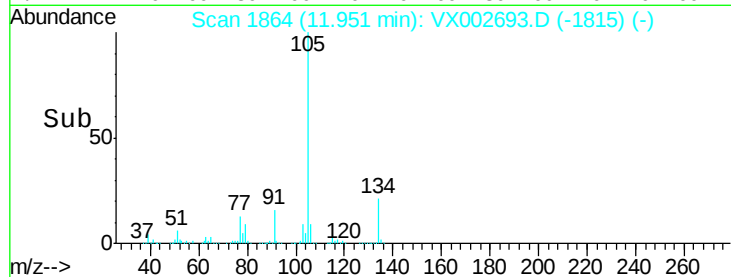
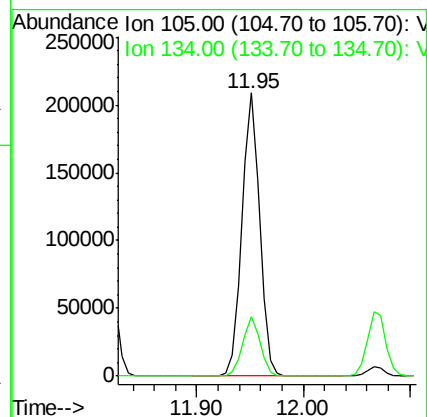
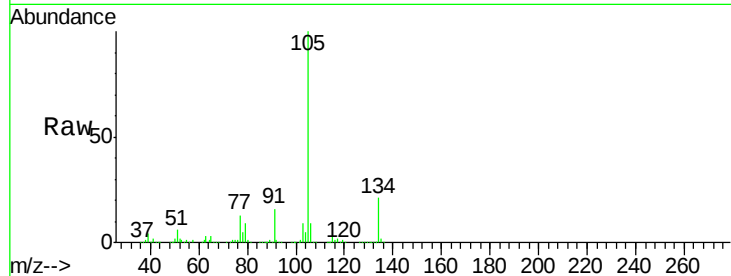
134 20.9 10.4 31.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.096 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

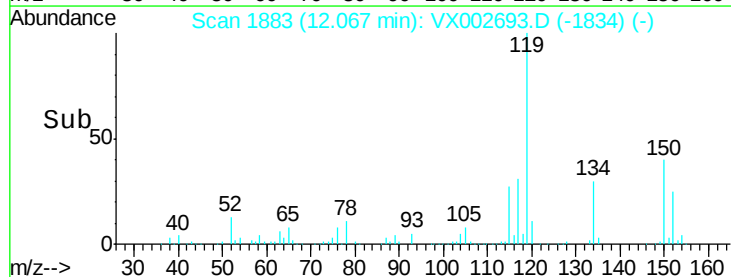
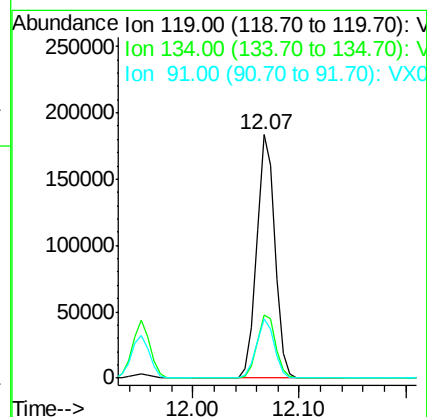
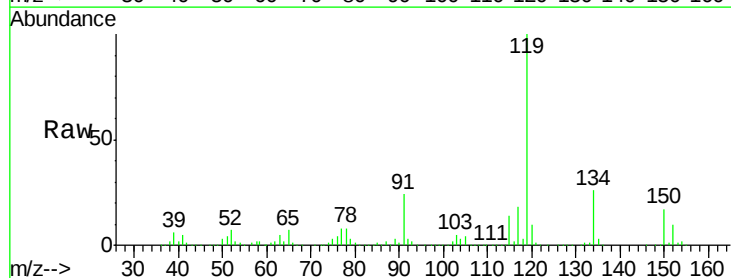
Tgt Ion:119 Resp: 219729

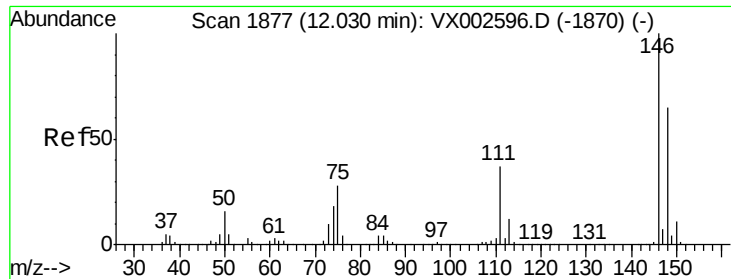
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 24.2 11.9 35.7





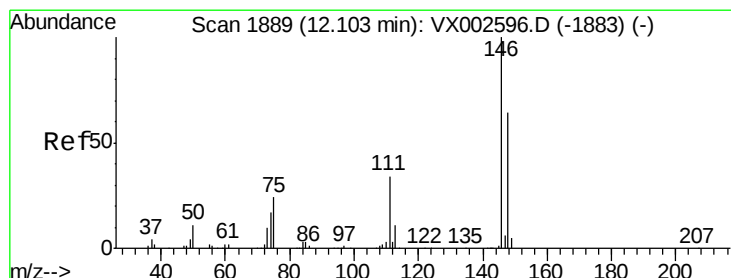
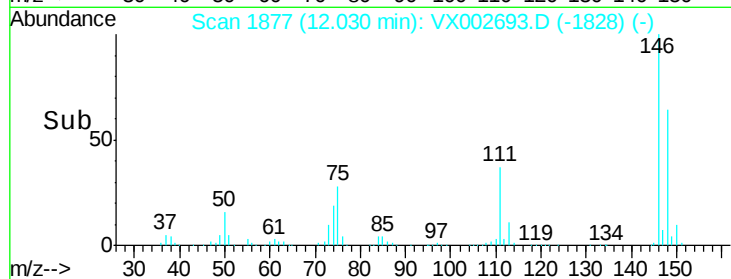
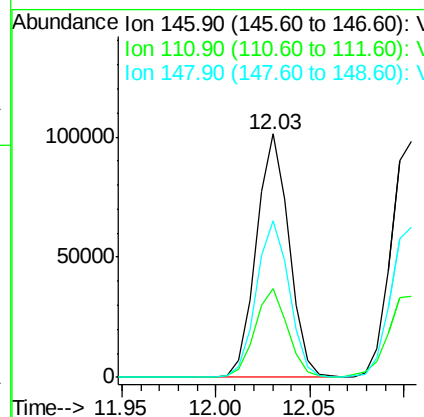
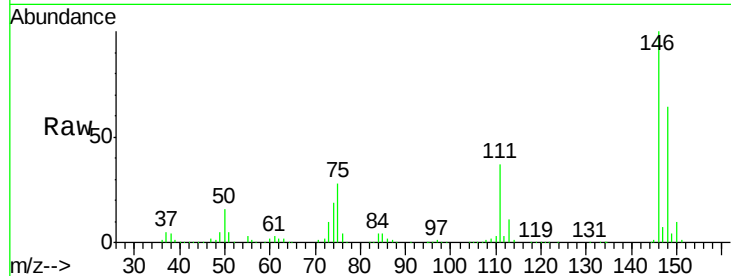
#87
 1,3-Dichlorobenzene
 Concen: 19.891 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002693.D
 Acq: 18 Jun 2018 22:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.9	56.7
148	64.9	32.1	96.3

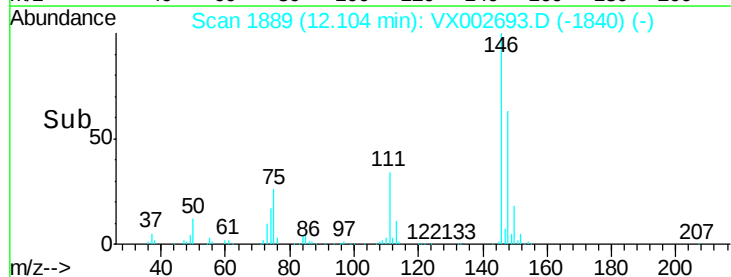
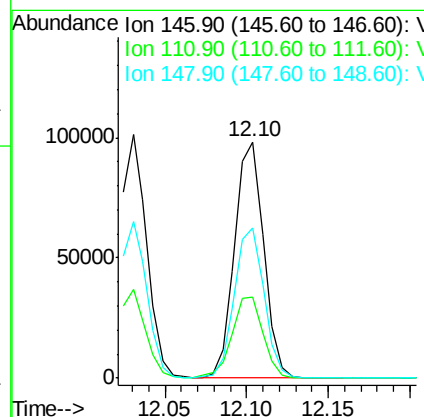
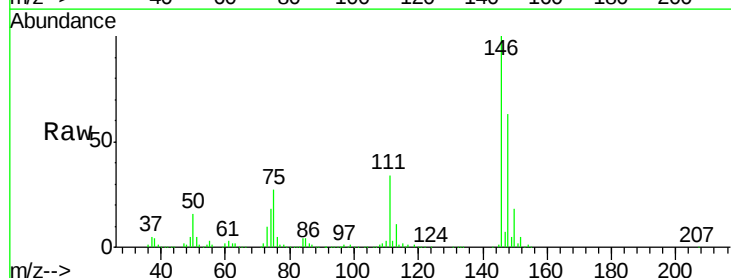
Manual Integrations
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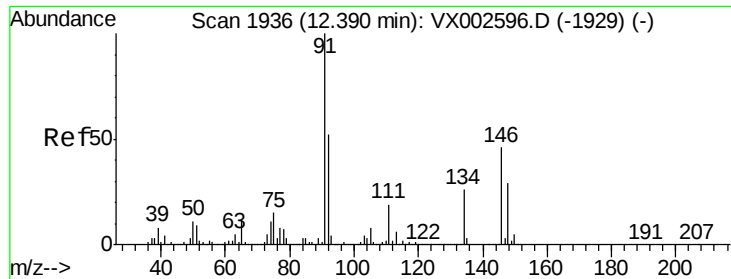
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#88
 1,4-Dichlorobenzene
 Concen: 19.634 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002693.D
 Acq: 18 Jun 2018 22:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.7	56.1
148	65.1	32.4	97.0





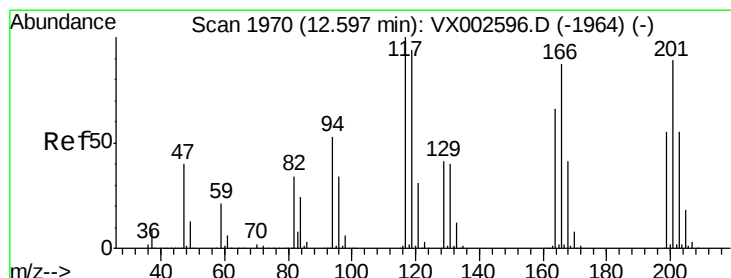
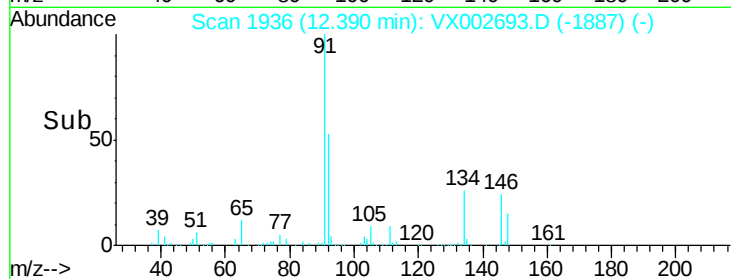
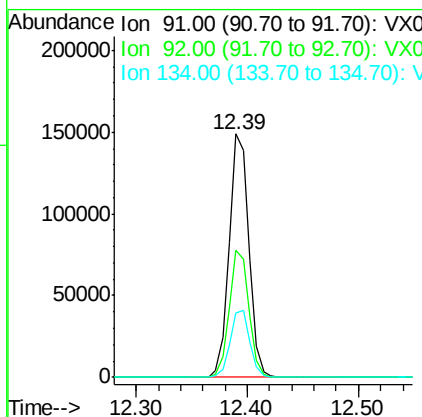
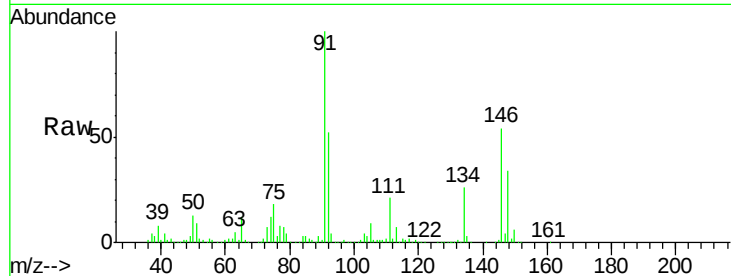
#89
n-Butylbenzene
Concen: 18.815 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.0	78.0
134	27.2	13.5	40.5

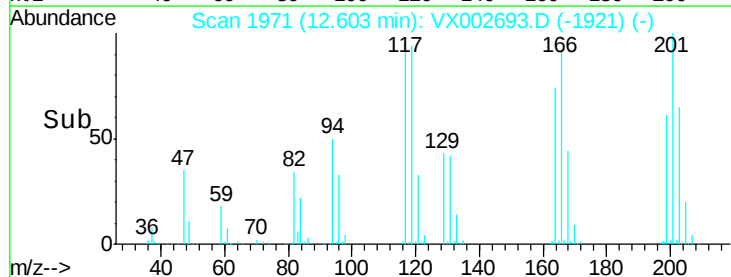
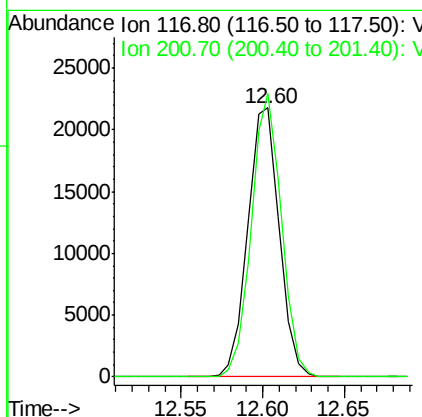
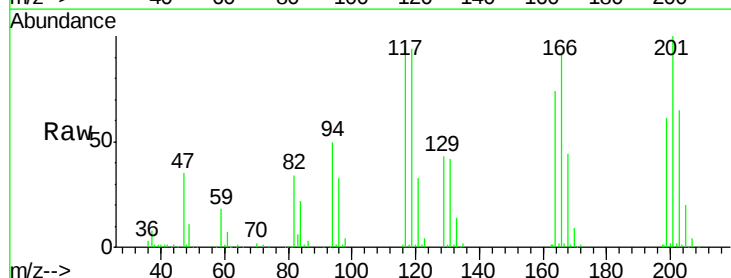
Manual Integrations
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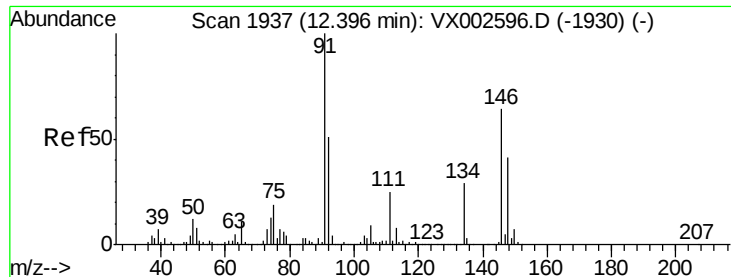
MMDadoda
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#90
Hexachloroethane
Concen: 18.939 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.01 min
Lab File: VX002693.D
Acq: 18 Jun 2018 22:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.3	49.0	147.0





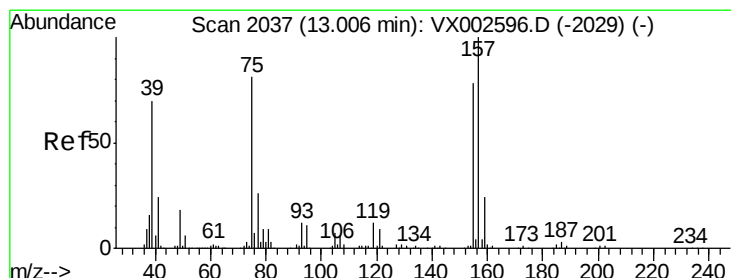
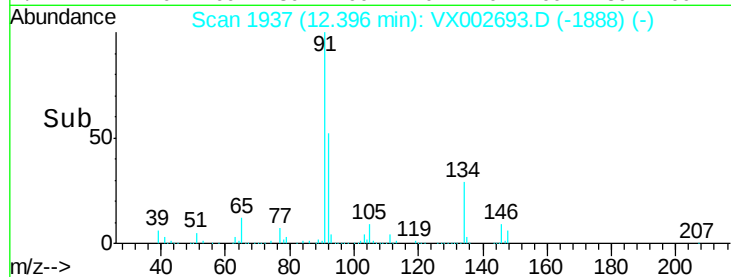
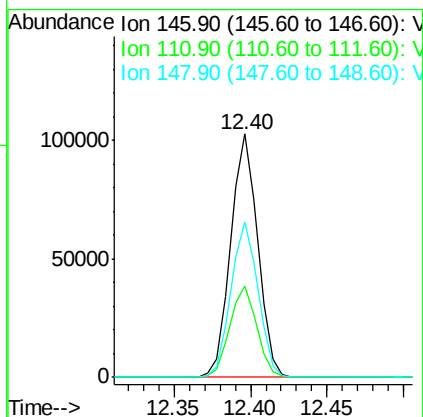
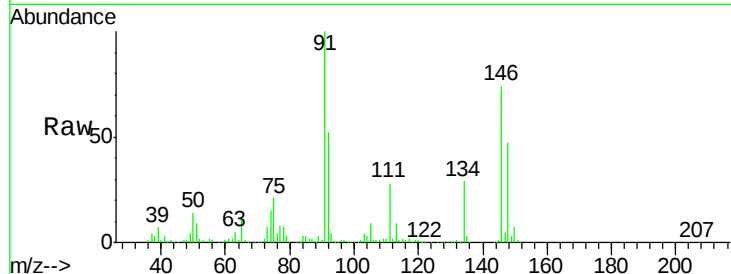
#91
 1,2-Dichlorobenzene
 Concen: 20.472 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX002693.D
 Acq: 18 Jun 2018 22:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.4	58.1
148	64.0	31.7	95.1

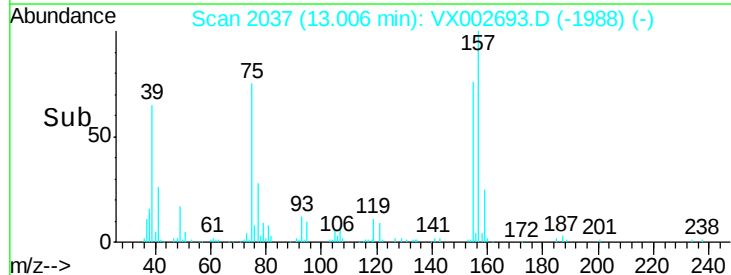
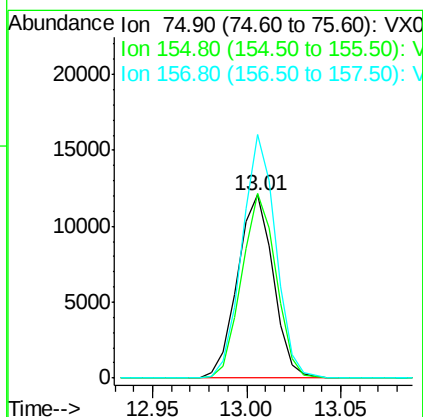
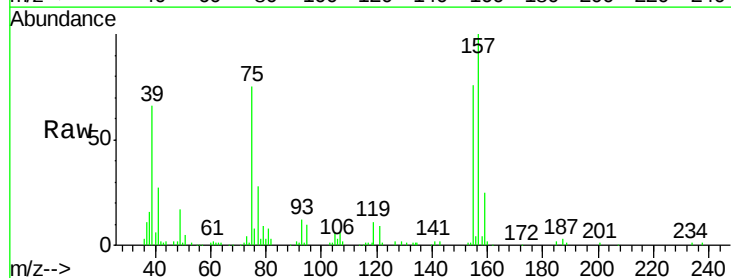
Manual Integrations
 APPROVED

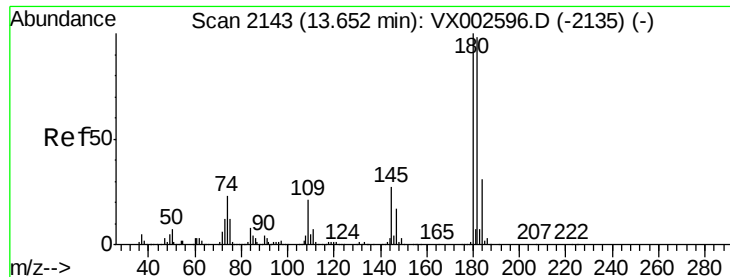
MMDadoda
 6/19/2018 1:05:34 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.426 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX002693.D
 Acq: 18 Jun 2018 22:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.2	45.8	137.4
157	125.7	60.1	180.3





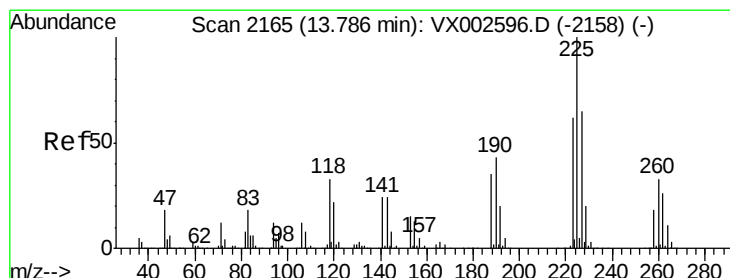
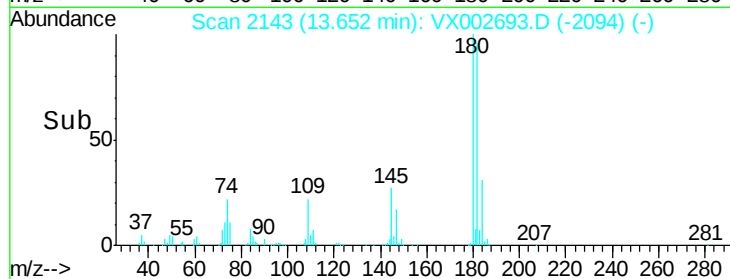
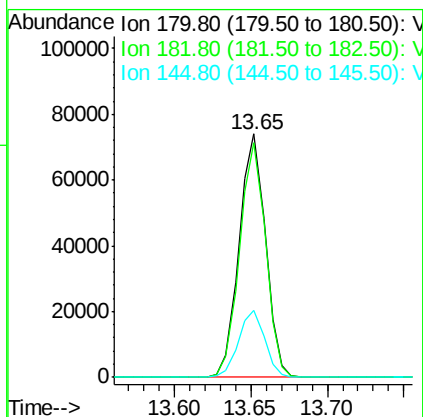
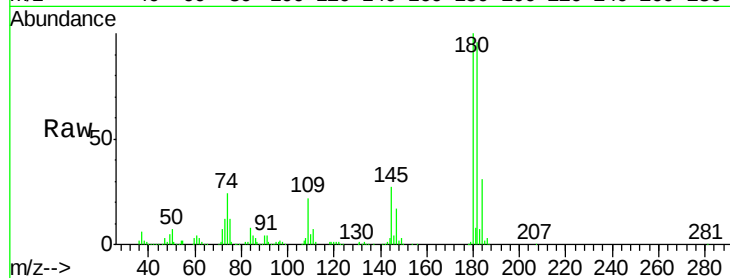
#93
 1,2,4-Trichlorobenzene
 Concen: 19.871 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002693.D
 Acq: 18 Jun 2018 22:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.7	143.1
145	27.4	14.1	42.4

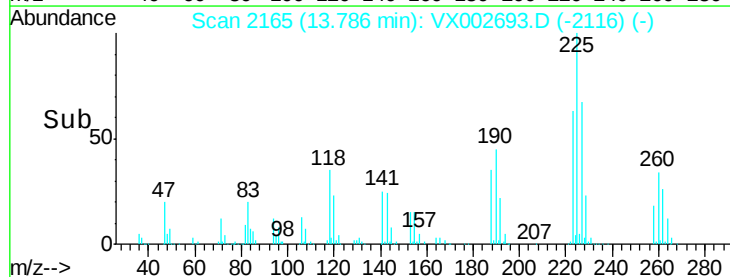
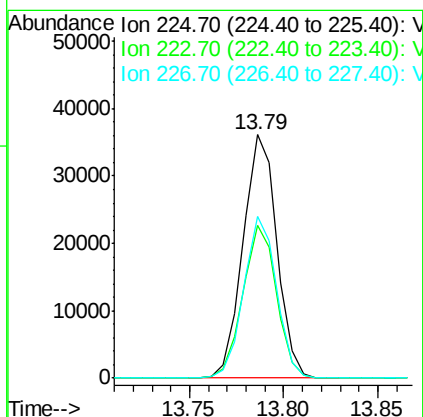
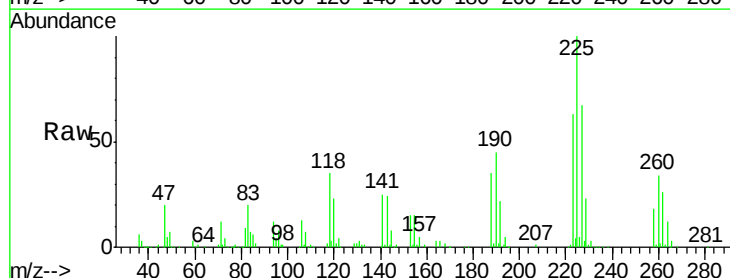
Manual Integrations
 APPROVED

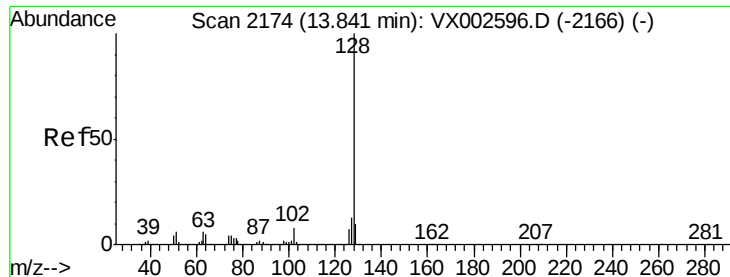
MMDadoda
 6/19/2018 1:05:34 PM



#94
 Hexachlorobutadiene
 Concen: 19.139 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002693.D
 Acq: 18 Jun 2018 22:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.6	95.0
227	64.4	32.4	97.2





#95

Naphthalene

Concen: 21.246 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

Instrument :

MSVOA_X

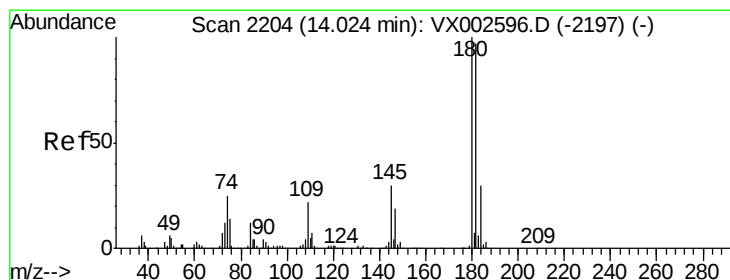
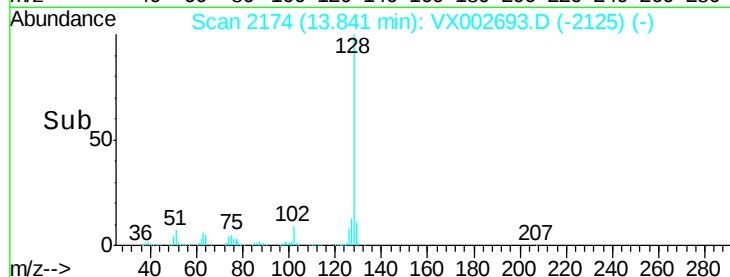
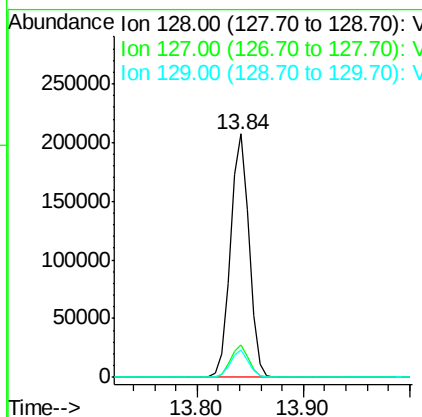
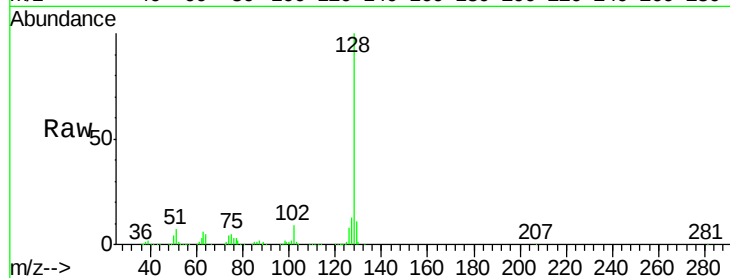
ClientSampleId :

VX0618WBS02

Tot Ion:	128	Resp:	254692
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

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6/19/2018 1:05:34 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.682 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX002693.D

Acq: 18 Jun 2018 22:21

Tgt Ion:	180	Resp:	92538
Ion Ratio	Lower	Upper	
180	100		
182	95.6	48.0	144.0
145	29.6	14.8	44.3

