

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002593.D
 Acq On : 15 Jun 2018 11:36
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 5:11:56 PM

Quant Time: Jun 16 01:25:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 15 14:54:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	311106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	437338	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	407419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	238843	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	5289	1.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.24%	
35) Dibromofluoromethane	5.51	113	3678	1.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.10%	
50) Toluene-d8	8.71	98	13507	1.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.04%	
62) 4-Bromofluorobenzene	11.14	95	5169	1.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	3409	1.03	ug/l	100
3) Chloromethane	1.32	50	4442	1.13	ug/l	100
4) Vinyl Chloride	1.40	62	4192	1.03	ug/l	97
5) Bromomethane	1.64	94	2729	1.11	ug/l	88
6) Chloroethane	1.73	64	2859	1.06	ug/l	97
7) Trichlorofluoromethane	1.93	101	6713	1.01	ug/l	95
8) Diethyl Ether	2.19	74	2488	0.99	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	4030	1.09	ug/l	95
12) 1,1-Dichloroethene	2.38	96	3543	1.02	ug/l	83
14) Allyl chloride	2.73	41	6570	0.95	ug/l	99
15) Acrylonitrile	3.15	53	10160	4.76	ug/l	97
16) Acetone	2.44	43	11587	5.56	ug/l	96
17) Carbon Disulfide	2.57	76	7854	0.95	ug/l	99
18) Methyl Acetate	2.78	43	5664	1.02	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	12719	0.98	ug/l	95
20) Methylene Chloride	2.86	84	5342	1.25	ug/l #	88
21) trans-1,2-Dichloroethene	3.17	96	3822	1.01	ug/l #	81
22) Diisopropyl ether	3.87	45	13367	1.07	ug/l	95
23) Vinyl Acetate	3.82	43	52661	5.04	ug/l	97
24) 1,1-Dichloroethane	3.70	63	7372	1.09	ug/l #	96
25) 2-Butanone	4.70	43	12767	4.66	ug/l	93
26) 2,2-Dichloropropane	4.59	77	4797	0.99	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	3928	1.02	ug/l	28
28) Bromochloromethane	5.03	49	3217	1.01	ug/l #	95
29) Tetrahydrofuran	5.17	42	8666	4.83	ug/l	97
30) Chloroform	5.21	83	5992	0.92	ug/l	97
31) Cyclohexane	5.57	56	5974	1.07	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	4820	0.88	ug/l #	37
36) 1,1-Dichloropropene	5.81	75	4905	1.06	ug/l	96
37) Ethyl Acetate	4.86	43	4955	0.94	ug/l #	88
38) Carbon Tetrachloride	5.78	117	4272	0.92	ug/l	98
39) Methylcyclohexane	7.47	83	5759	1.06	ug/l	88
40) Benzene	6.14	78	13963	1.00	ug/l	96
41) Methacrylonitrile	5.06	41	2831	0.95	ug/l #	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.20	62	5318	0.99	ug/l	96
43) Isopropyl Acetate	6.47	43	8376	0.96	ug/l	98
44) Trichloroethene	7.21	130	3887	0.97	ug/l	95
45) 1,2-Dichloropropane	7.52	63	3687	1.01	ug/l	99
46) Dibromomethane	7.67	93	2323	0.95	ug/l	96
47) Bromodichloromethane	7.90	83	3577	0.83	ug/l #	88
48) Methyl methacrylate	7.78	41	4135	0.93	ug/l #	92
49) 1,4-Dioxane	7.76	88	1718	20.38	ug/l #	35
51) 4-Methyl-2-Pentanone	8.65	43	24501	4.38	ug/l	98
52) Toluene	8.79	92	8338	0.94	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	3834	3.03	ug/l	96
54) cis-1,3-Dichloropropene	9.05	75	3302	3.78	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	3246	0.90	ug/l	96
56) Ethyl methacrylate	9.18	69	4598	0.83	ug/l	93
57) 1,3-Dichloropropane	9.37	76	6033	0.99	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	11757	4.40	ug/l	98
59) 2-Hexanone	9.50	43	17801	4.22	ug/l	97
60) Dibromochloromethane	9.59	129	2621	4.36	ug/l	99
61) 1,2-Dibromoethane	9.68	107	3090	0.83	ug/l	97
64) Tetrachloroethene	9.34	164	4754	1.05	ug/l	96
65) Chlorobenzene	10.14	112	9991	1.00	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	2834	0.83	ug/l #	67
67) Ethyl Benzene	10.26	91	15704	0.93	ug/l	98
68) m/p-Xylenes	10.36	106	12149	1.87	ug/l	99
69) o-Xylene	10.70	106	5903	0.92	ug/l	97
70) Styrene	10.71	104	9010	0.86	ug/l	99
71) Bromoform	10.86	173	1841	5.38	ug/l #	99
73) Isopropylbenzene	11.02	105	14996	0.94	ug/l	99
74) N-amyl acetate	6.47	43	8376	1.06	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	4496	0.95	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	4658m	1.03	ug/l	
77) Bromobenzene	11.26	156	4365	0.98	ug/l	98
78) n-propylbenzene	11.36	91	17005	0.93	ug/l	100
79) 2-Chlorotoluene	11.43	91	10646	0.97	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	12092	0.90	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	868	4.75	ug/l #	66
82) 4-Chlorotoluene	11.51	91	11650	0.90	ug/l	97
83) tert-Butylbenzene	11.77	119	11859	0.91	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	12220	0.89	ug/l	98
85) sec-Butylbenzene	11.95	105	14669	0.91	ug/l	99
86) p-Isopropyltoluene	12.07	119	13392	0.92	ug/l	93
87) 1,3-Dichlorobenzene	12.03	146	7833	0.95	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	8155m	0.99	ug/l	
89) n-Butylbenzene	12.39	91	11934	0.92	ug/l	98
90) Hexachloroethane	12.60	117	1582	3.28	ug/l	89
91) 1,2-Dichlorobenzene	12.40	146	8083	0.98	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.01	75	763	0.77	ug/l	89
93) 1,2,4-Trichlorobenzene	13.65	180	5360	0.90	ug/l	99
94) Hexachlorobutadiene	13.79	225	3087	0.98	ug/l	97
95) Naphthalene	13.84	128	13119	0.82	ug/l	97

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VSTDICC001

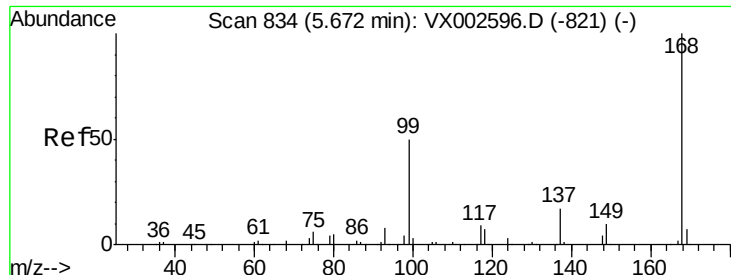
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.02	180	5479	0.92	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 311106

Ion Ratio Lower Upper

168 100

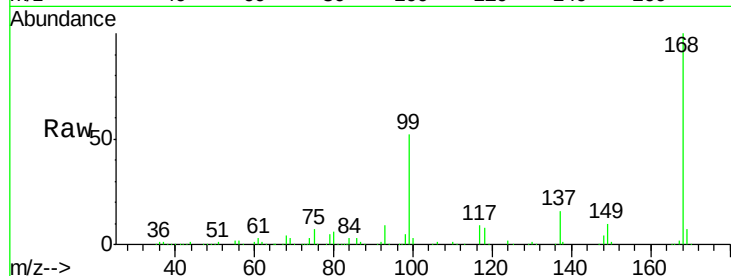
99 51.9 39.3 58.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

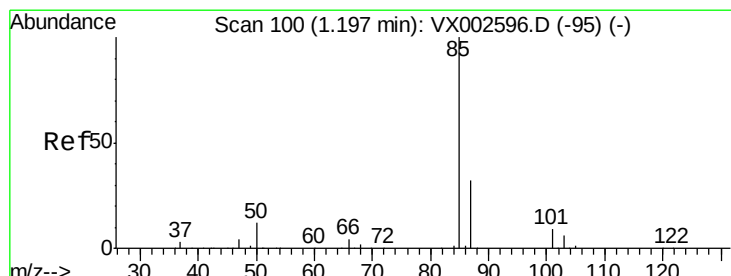
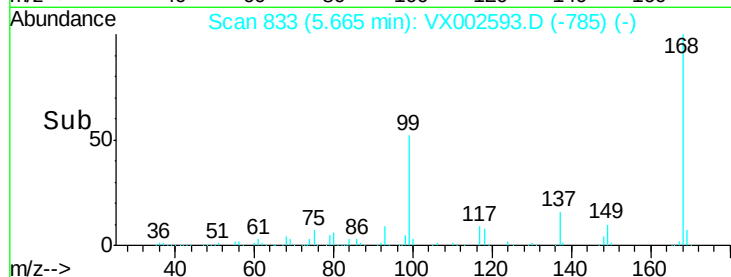
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 1.03 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002593.D

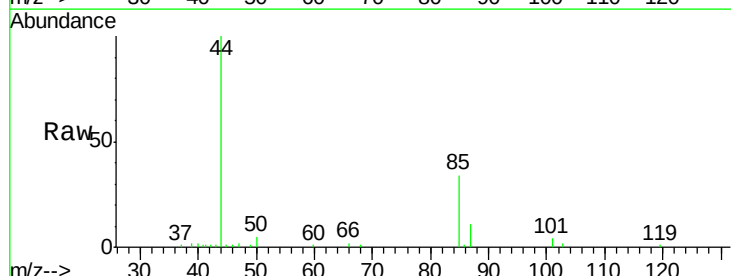
Acq: 15 Jun 2018 11:36

Tgt Ion: 85 Resp: 3409

Ion Ratio Lower Upper

85 100

87 32.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

4000

3000

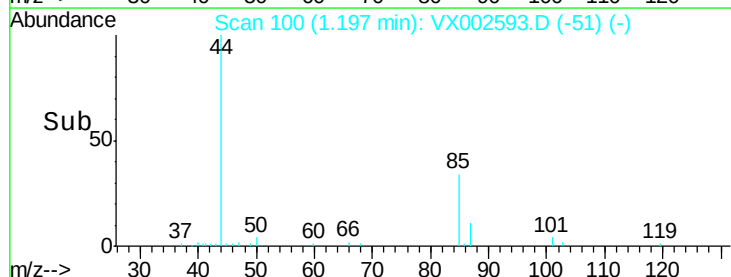
2000

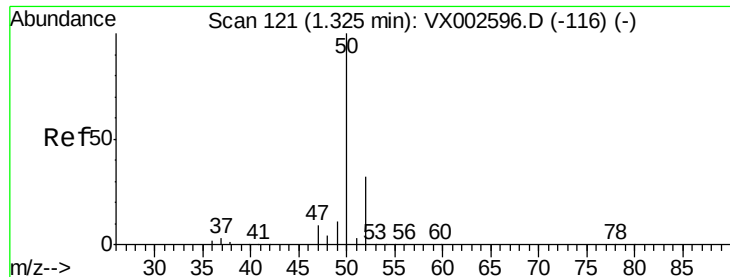
1000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 1.13 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 4442

Ion Ratio Lower Upper

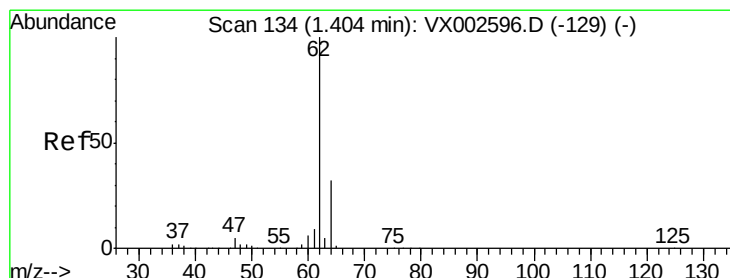
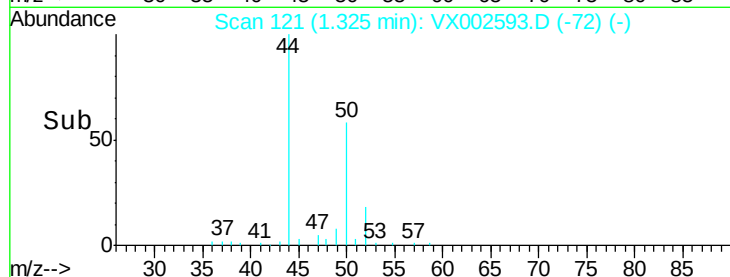
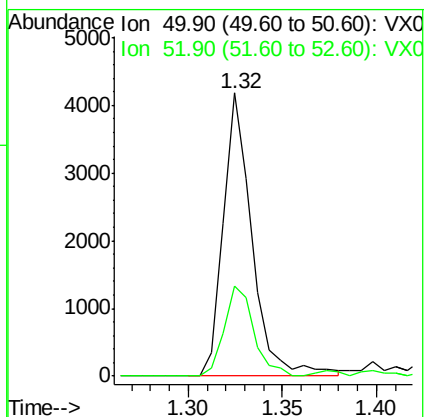
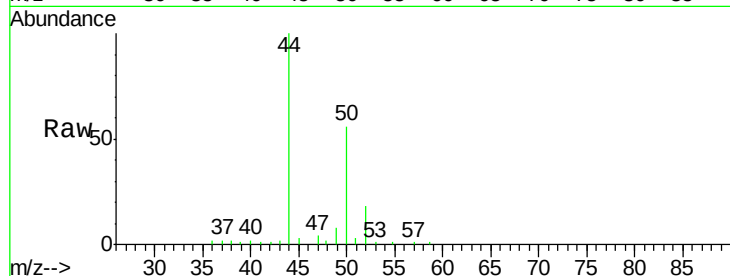
50 100

52 31.9 25.7 38.5

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#4

Vinyl Chloride

Concen: 1.03 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002593.D

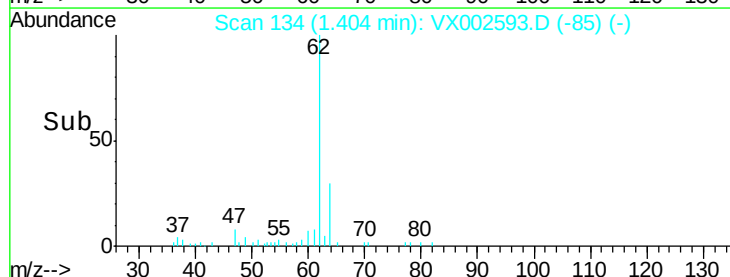
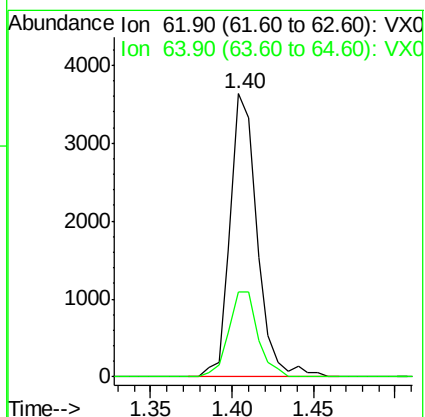
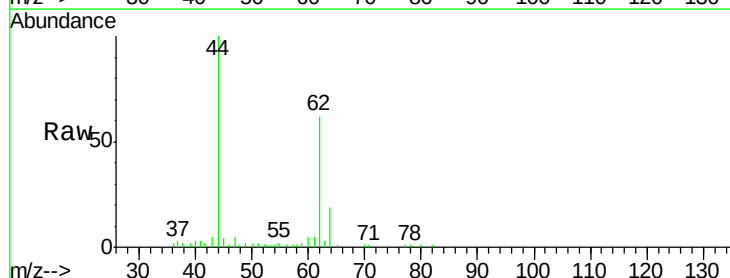
Acq: 15 Jun 2018 11:36

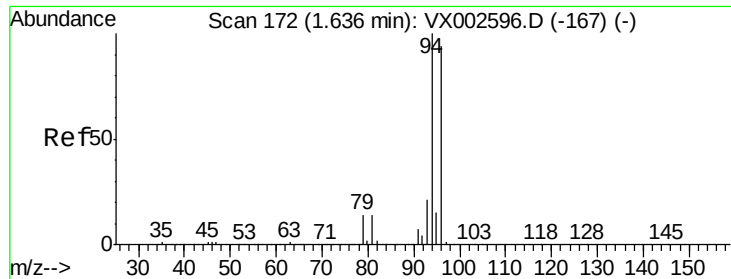
Tgt Ion: 62 Resp: 4192

Ion Ratio Lower Upper

62 100

64 29.9 25.4 38.2





#5

Bromomethane

Concen: 1.11 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 94 Resp: 2729

Ion Ratio Lower Upper

94 100

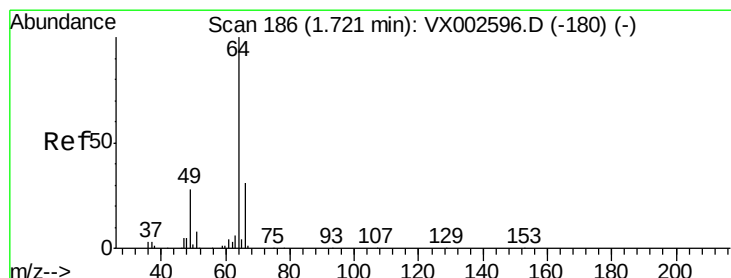
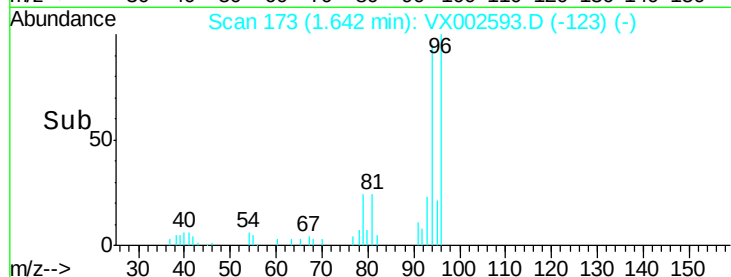
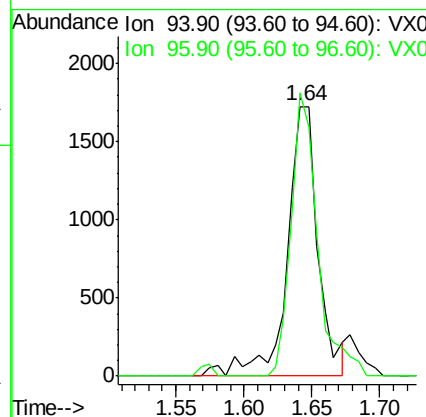
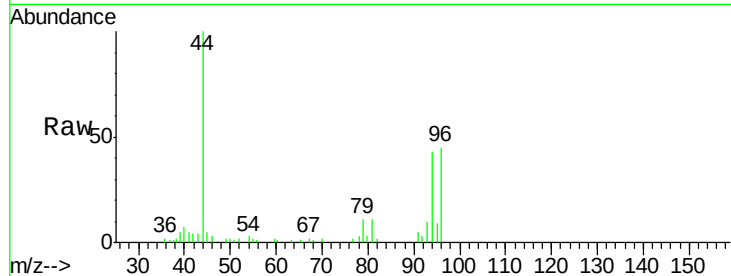
96 105.0 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 1.06 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002593.D

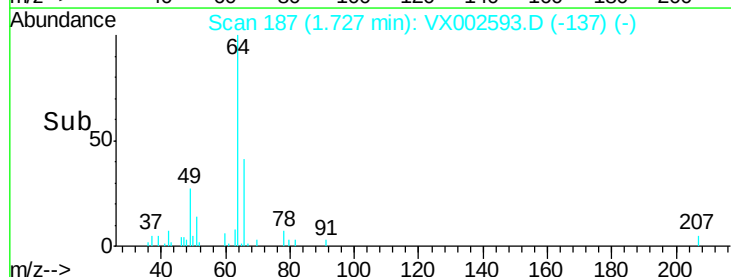
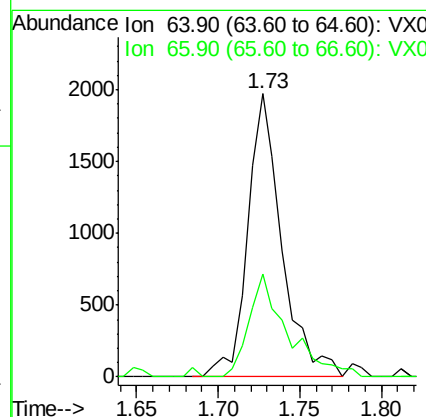
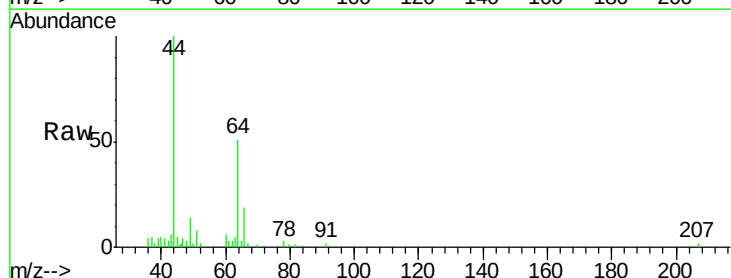
Acq: 15 Jun 2018 11:36

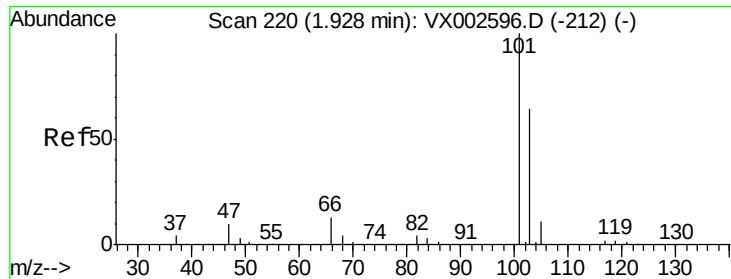
Tgt Ion: 64 Resp: 2859

Ion Ratio Lower Upper

64 100

66 33.8 25.5 38.3





#7

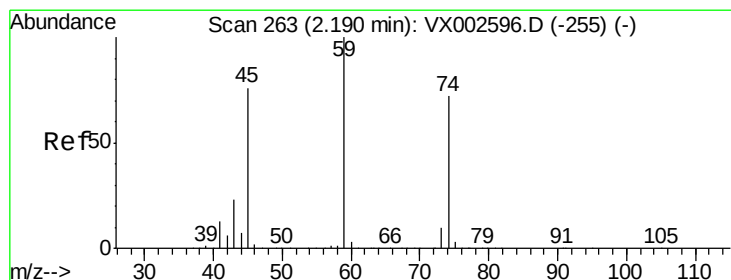
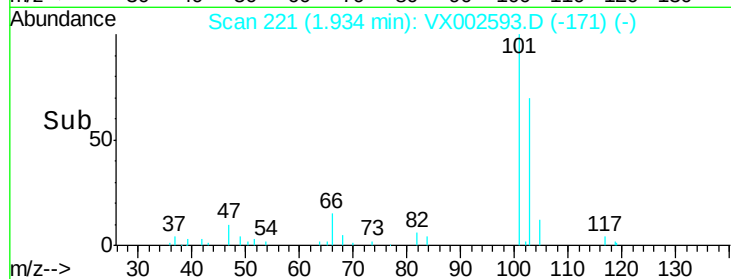
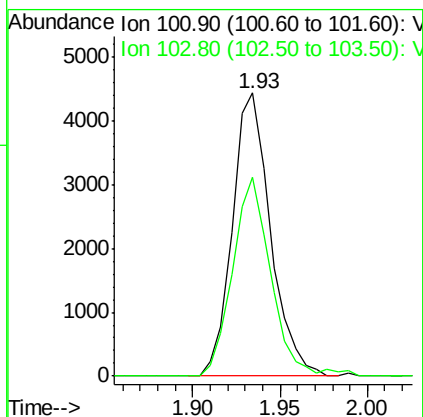
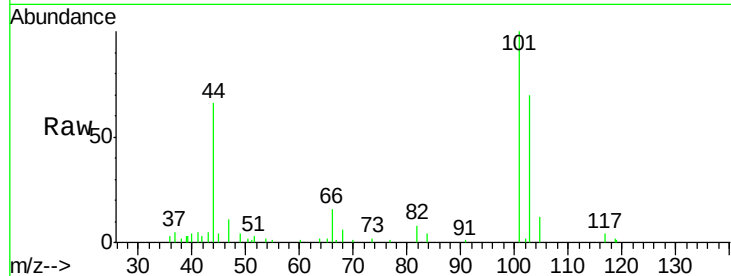
Trichlorofluoromethane
Concen: 1.01 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX002593.D
Acq: 15 Jun 2018 11:36

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion:101 Resp: 6713
Ion Ratio Lower Upper
101 100
103 70.3 52.8 79.2

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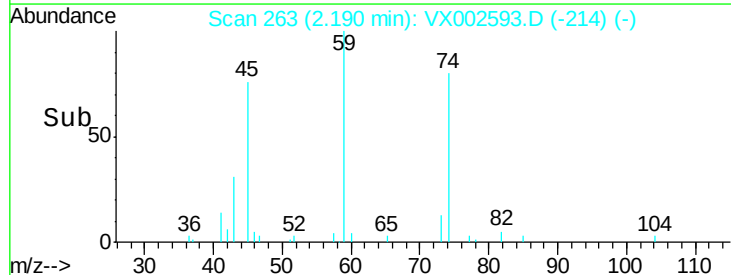
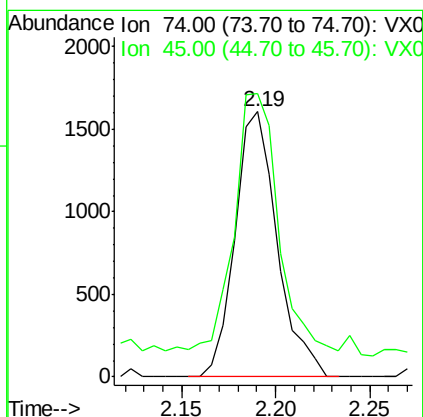
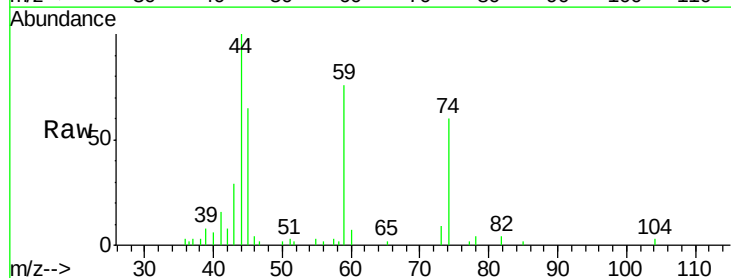
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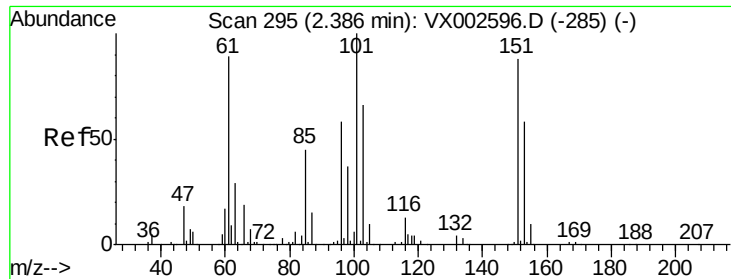


#8

Diethyl Ether
Concen: 0.99 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002593.D
Acq: 15 Jun 2018 11:36

Tgt Ion: 74 Resp: 2488
Ion Ratio Lower Upper
74 100
45 100.2 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.09 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_X

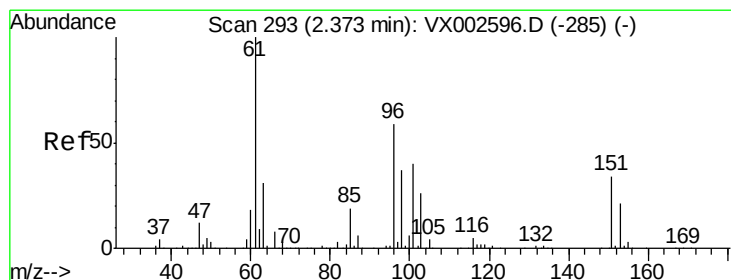
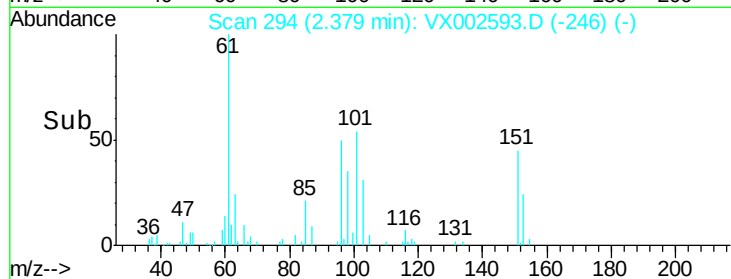
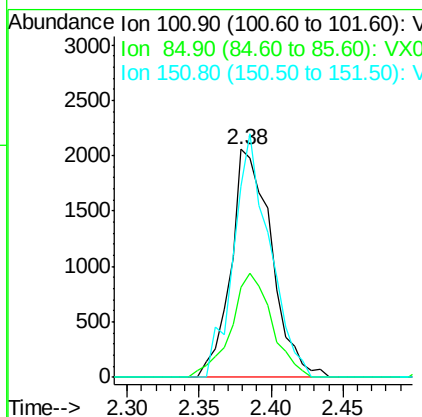
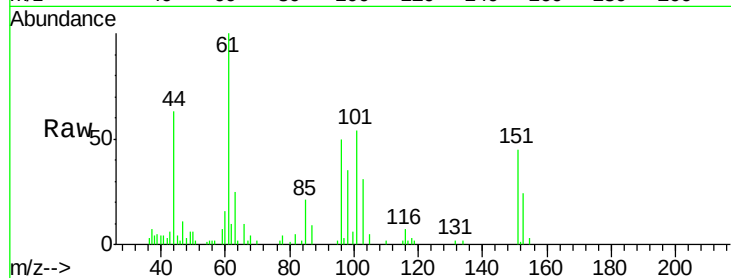
ClientSampled :

VSTDIC001

Tot Ion:	101	Resp:	4030
Ion	Ratio	Lower	Upper
101	100		
85	46.1	36.0	54.0
151	94.8	70.9	106.3

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 1.02 ug/l

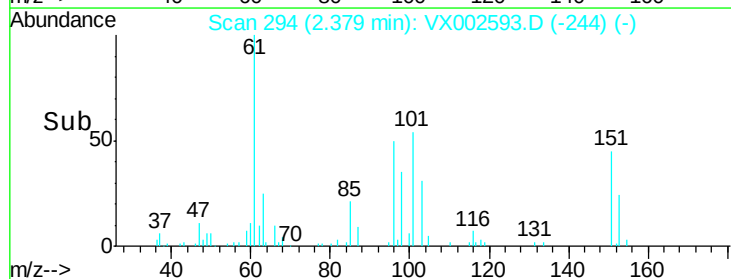
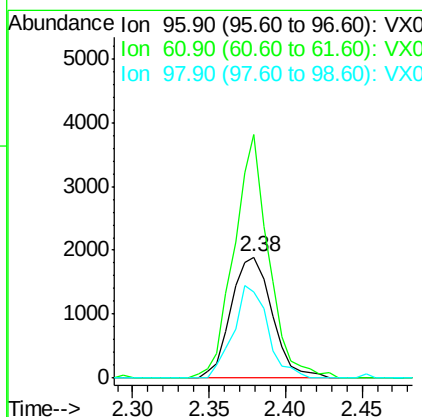
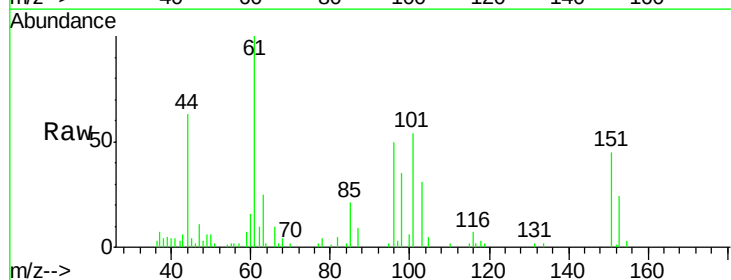
RT: 2.38 min Scan# 294

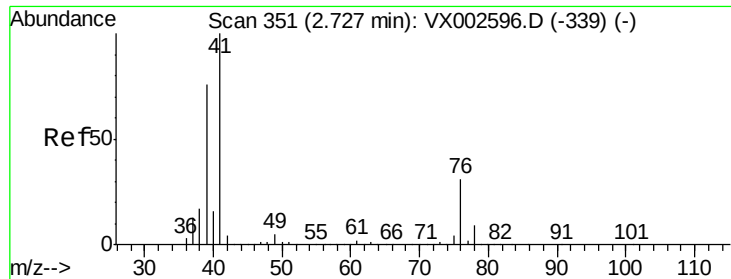
Delta R.T. 0.01 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Tgt Ion:	96	Resp:	3543
Ion	Ratio	Lower	Upper
96	100		
61	200.7	137.9	206.9
98	71.0	51.6	77.4





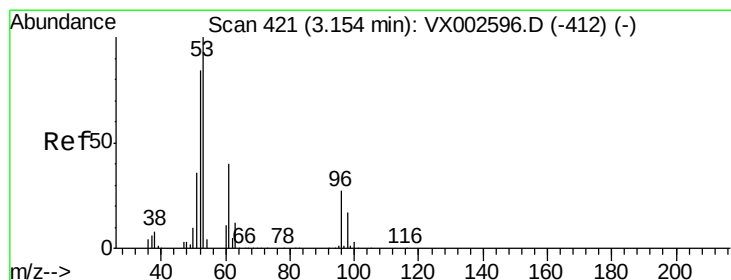
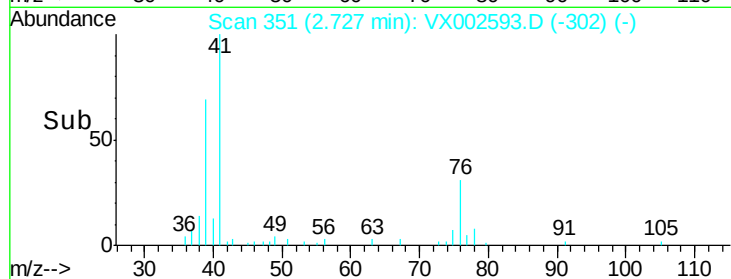
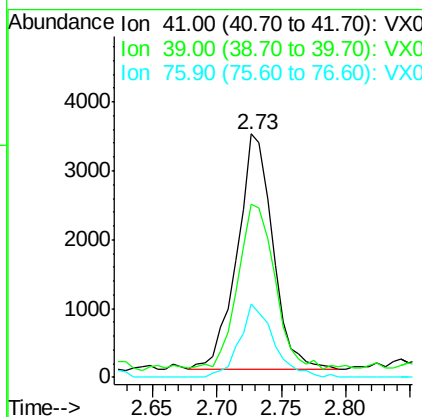
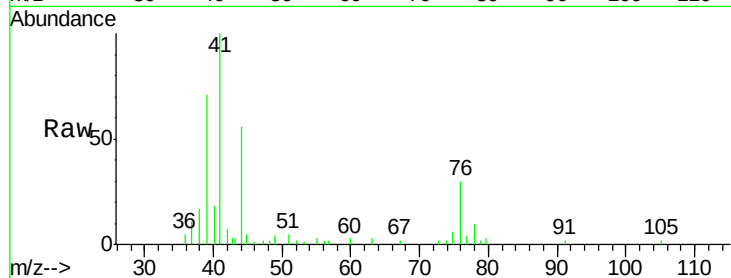
#14
Allvl chloride
Concen: 0.95 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX002593.D
Acq: 15 Jun 2018 11:36

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.3	56.8	85.2
76	30.0	23.8	35.8

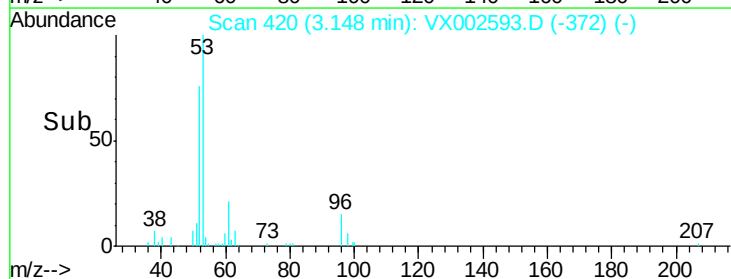
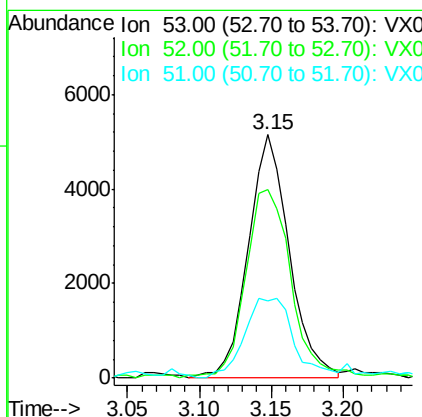
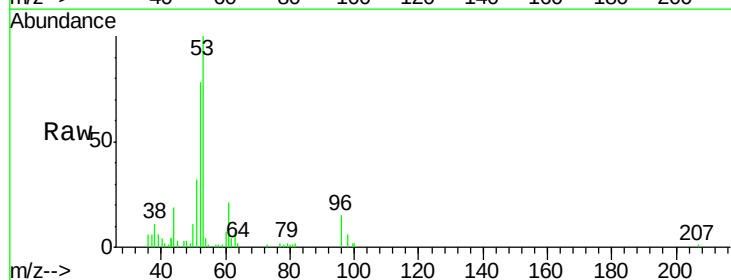
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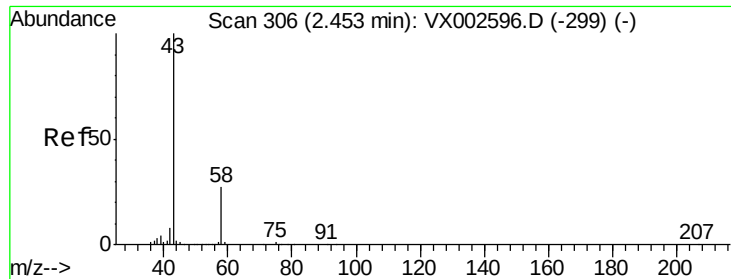
MMDadoda
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#15
Acrylonitrile
Concen: 4.76 ug/l
RT: 3.15 min Scan# 420
Delta R.T. -0.01 min
Lab File: VX002593.D
Acq: 15 Jun 2018 11:36

Tgt Ion	Ratio	Lower	Upper
53	100		
52	86.4	66.7	100.1
51	39.3	29.9	44.9





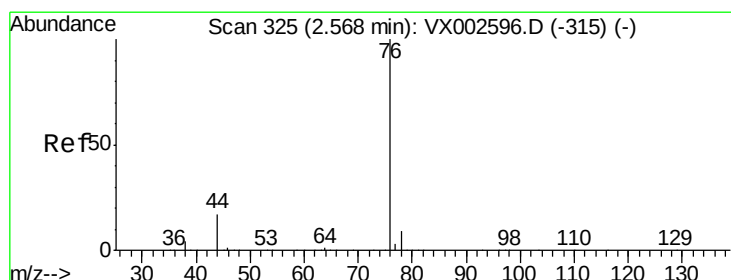
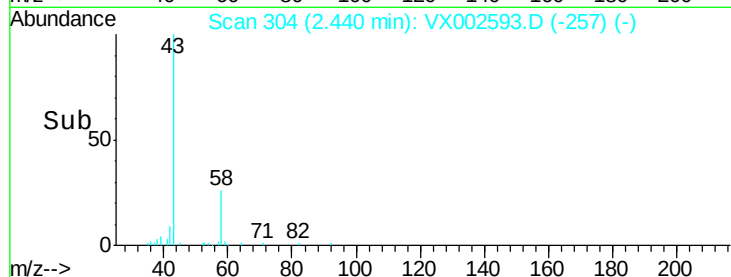
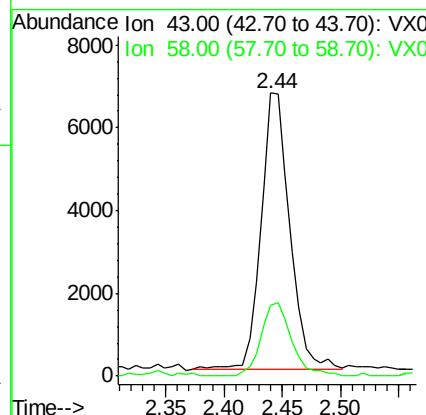
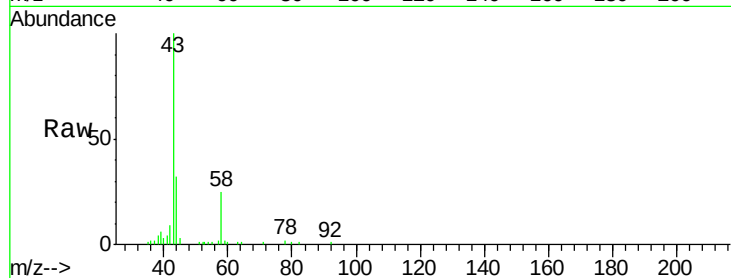
#16
Acetone
Concen: 5.56 ug/l
RT: 2.44 min Scan# 304
Delta R.T. -0.01 min
Lab File: VX002593.D
Acq: 15 Jun 2018 11:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	43	Resp	11587
Ion Ratio	100	Lower	Upper
58	25.5	22.1	33.1

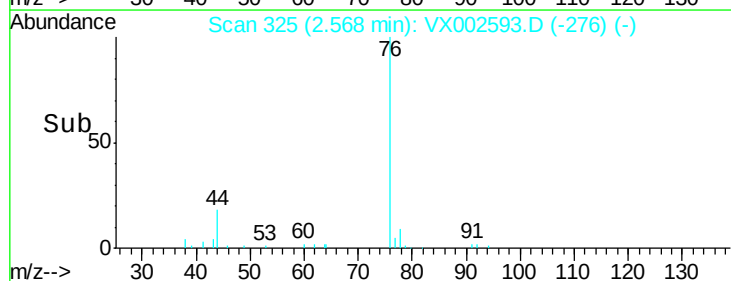
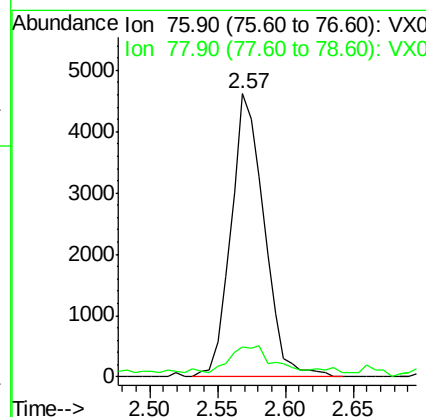
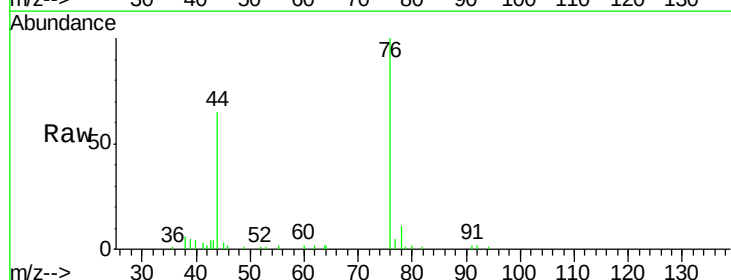
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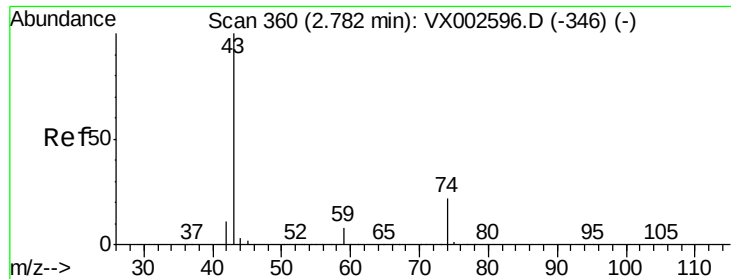
MMDadoda
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#17
Carbon Disulfide
Concen: 0.95 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002593.D
Acq: 15 Jun 2018 11:36

Tgt Ion	76	Resp	7854
Ion Ratio	100	Lower	Upper
78	9.0	6.9	10.3





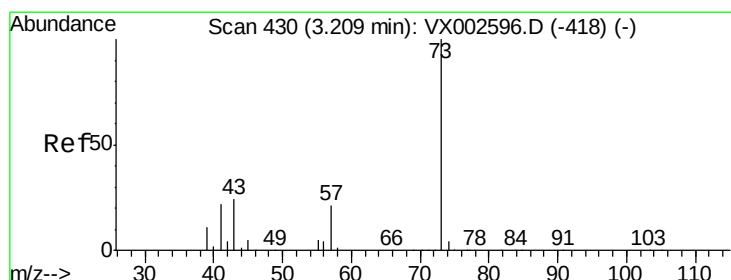
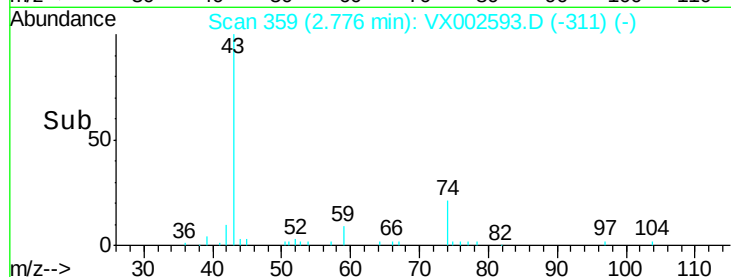
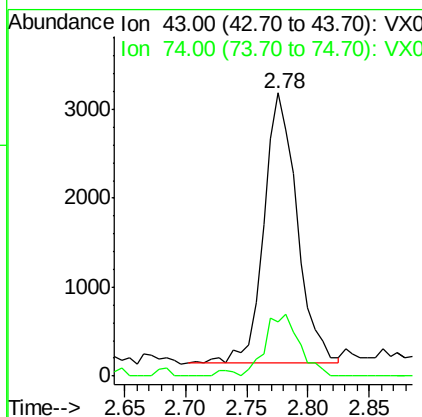
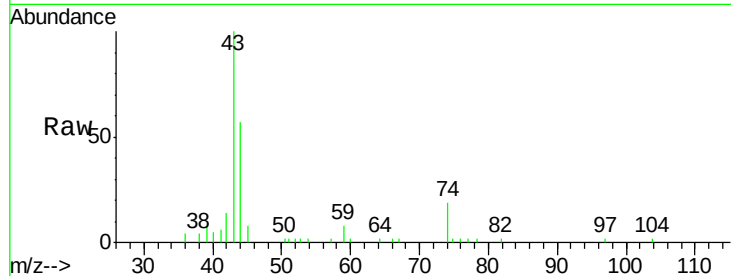
#18
Methyl Acetate
Concen: 1.02 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX002593.D
Acq: 15 Jun 2018 11:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 5664
Ion Ratio Lower Upper
43 100
74 23.9 16.7 25.1

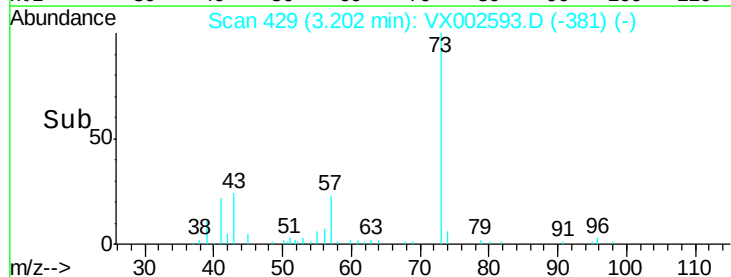
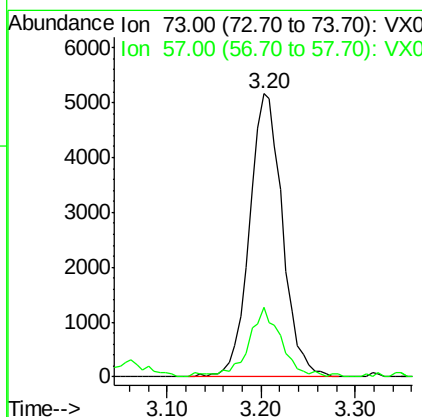
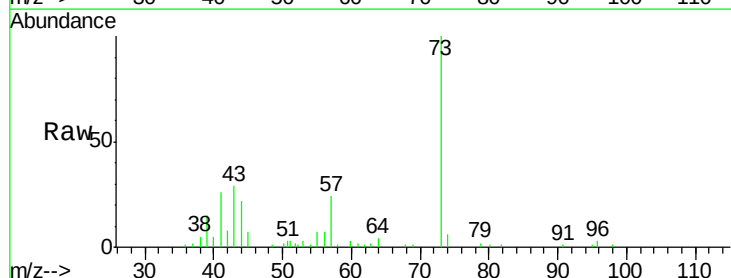
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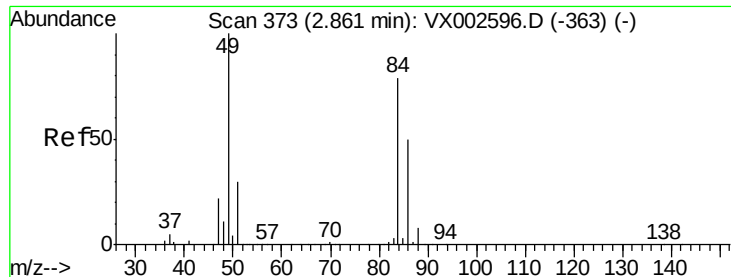
MMDadoda
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#19
Methyl tert-butyl Ether
Concen: 0.98 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX002593.D
Acq: 15 Jun 2018 11:36

Tgt Ion: 73 Resp: 12719
Ion Ratio Lower Upper
73 100
57 24.5 17.7 26.5





#20

Methylene Chloride

Concen: 1.25 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_X

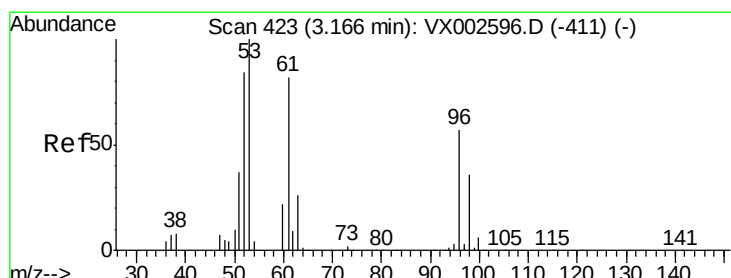
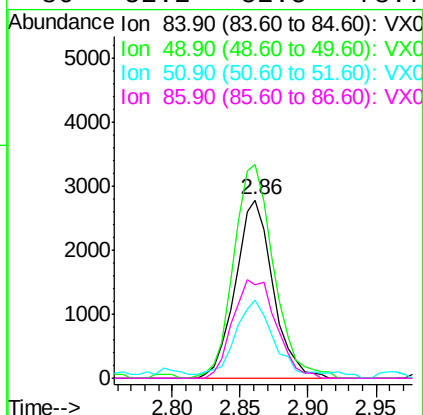
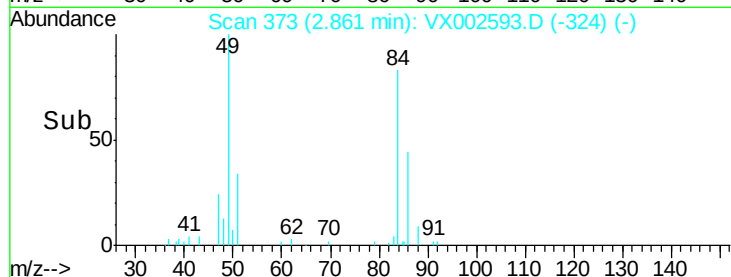
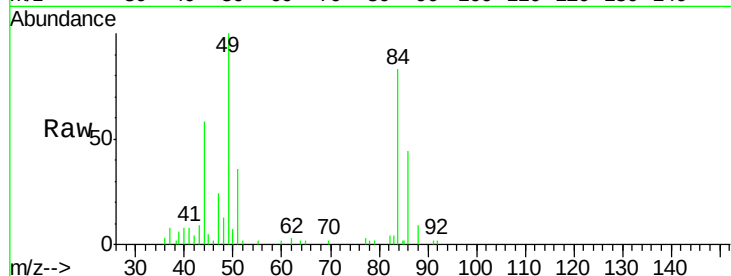
ClientSampleId :

VSTDIC001

Tot Ion:	84	Resp:	5342
Ion	Ratio	Lower	Upper
84	100		
49	119.9	107.8	161.6
51	41.1	32.8	49.2
86	52.2	52.5	78.7#

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#21

trans-1,2-Dichloroethene

Concen: 1.01 ug/l

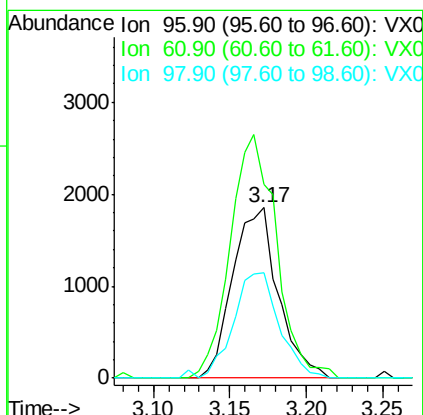
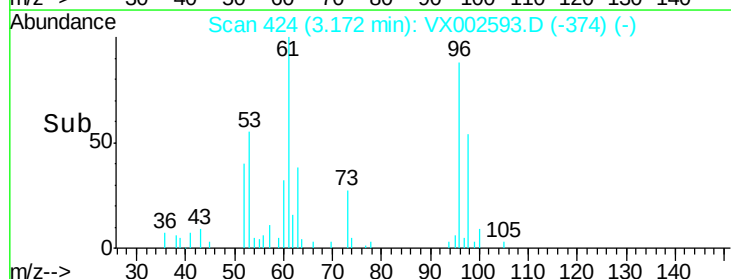
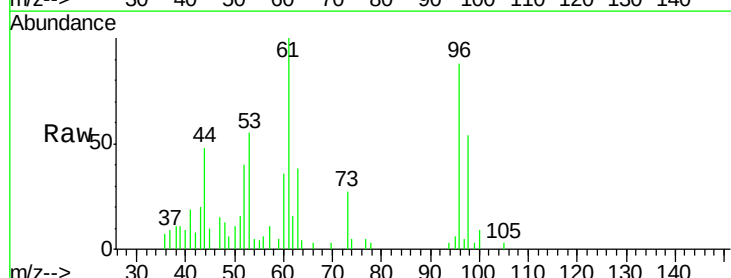
RT: 3.17 min Scan# 424

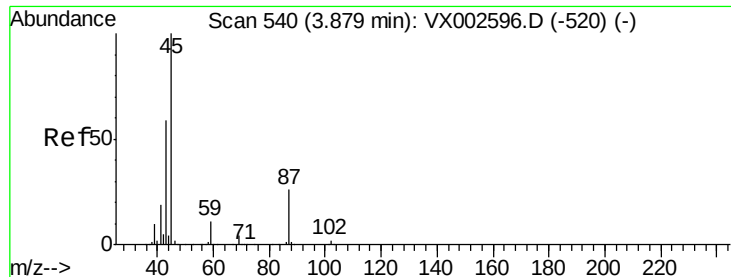
Delta R.T. 0.01 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Tgt Ion:	96	Resp:	3822
Ion	Ratio	Lower	Upper
96	100		
61	114.0	117.0	175.4#
98	61.8	52.4	78.6





#22

Diisopropyl ether

Concen: 1.07 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_X

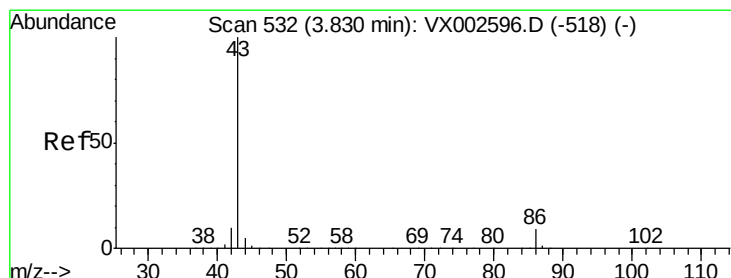
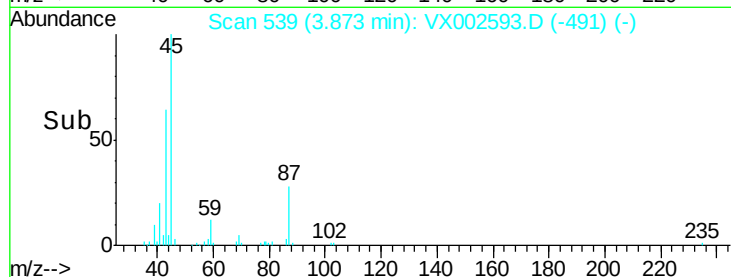
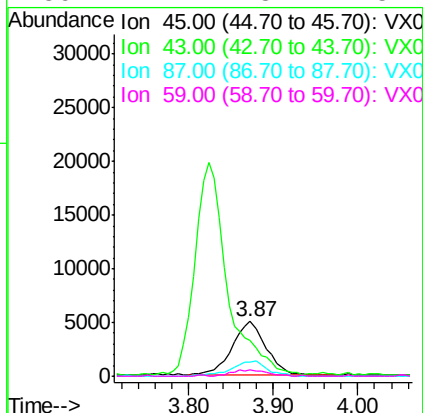
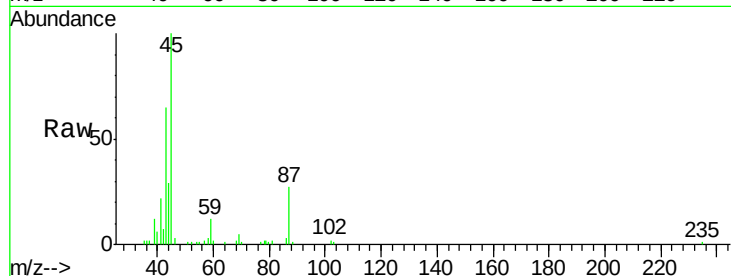
ClientSampleId :

VSTDIC001

Tot Ion:	45	Resp:	13367
Ion	Ratio	Lower	Upper
45	100		
43	63.2	46.8	70.2
87	27.5	20.2	30.4
59	12.2	8.7	13.1

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#23

Vinyl Acetate

Concen: 5.04 ug/l

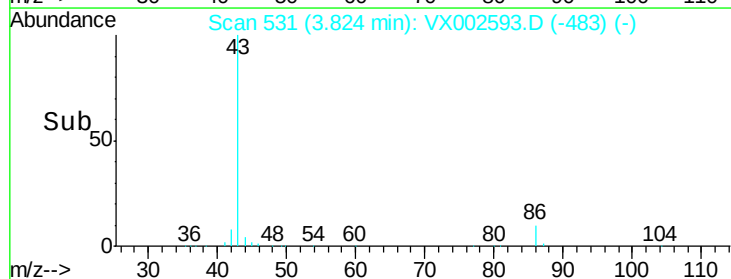
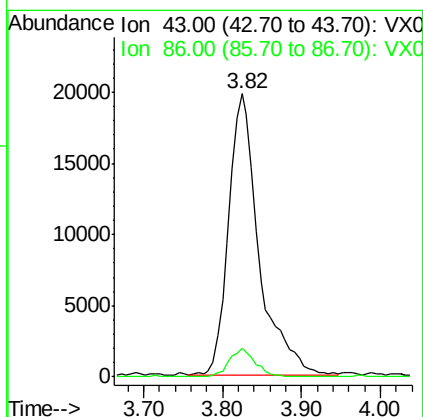
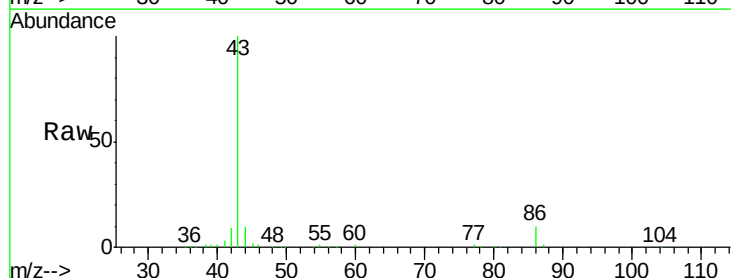
RT: 3.82 min Scan# 531

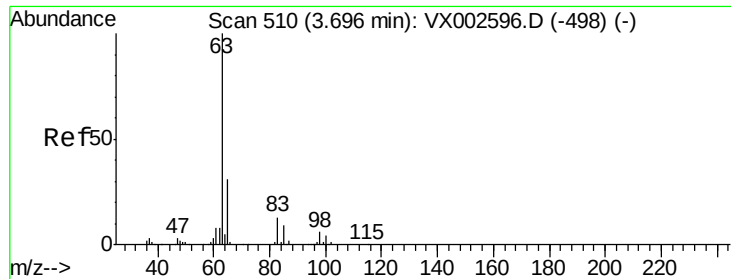
Delta R.T. -0.01 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Tgt Ion:	43	Resp:	52661
Ion	Ratio	Lower	Upper
43	100		
86	10.4	7.4	11.0





#24

1,1-Dichloroethane

Concen: 1.09 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_X

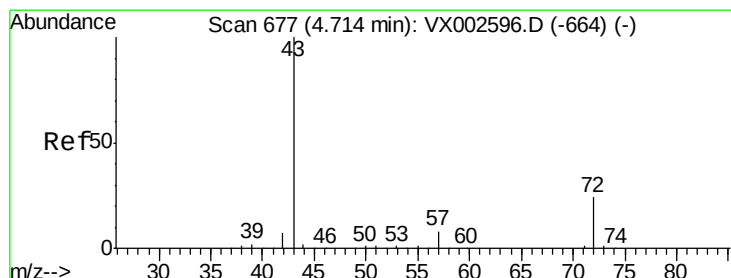
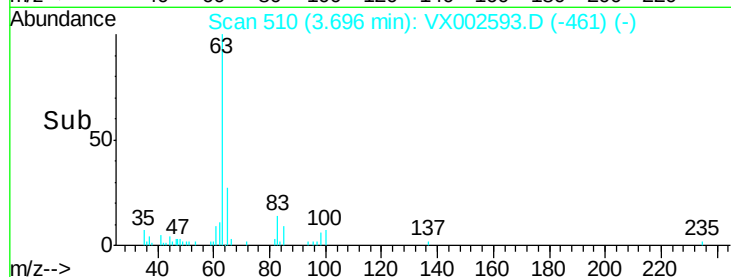
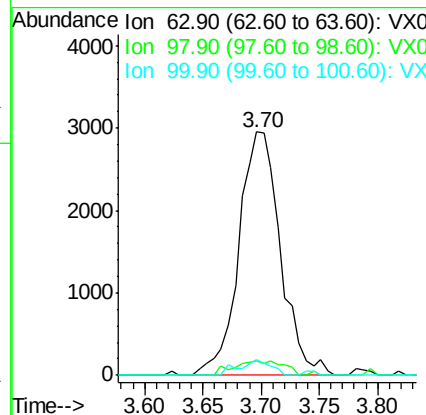
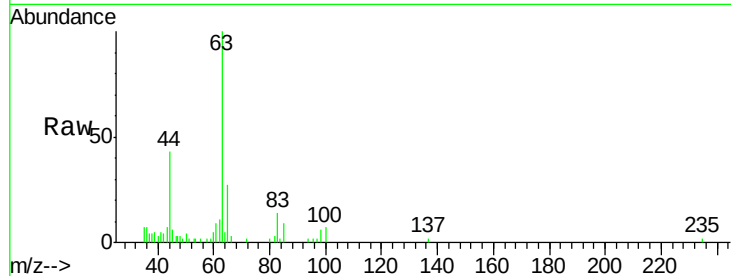
ClientSampleId :

VSTDIC001

Tot Ion:	63	Resp:	7372
Ion Ratio	Lower	Upper	
63	100		
98	6.0	3.4	10.2
100	6.7	2.0	6.0#

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#25

2-Butanone

Concen: 4.66 ug/l

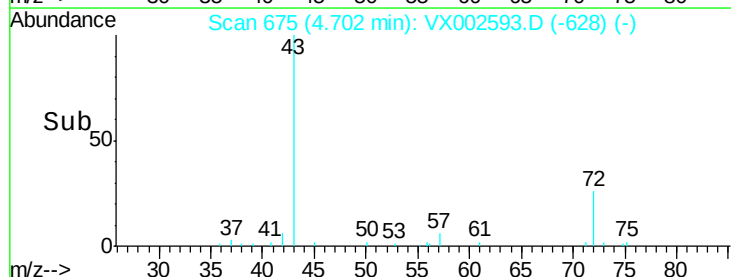
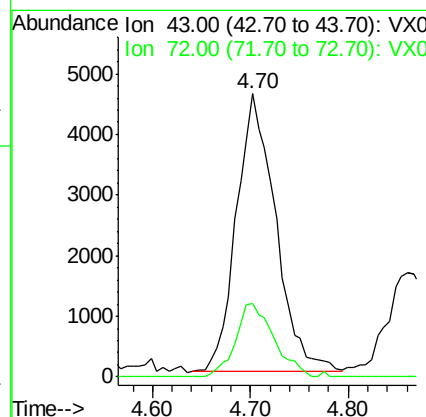
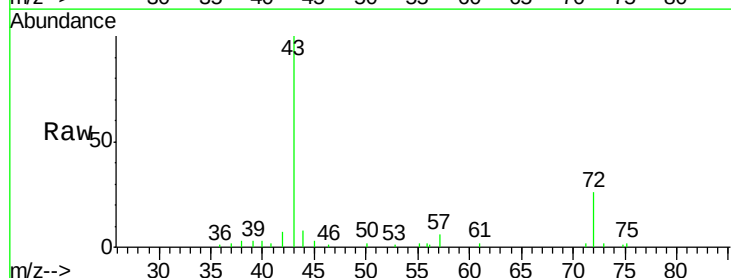
RT: 4.70 min Scan# 675

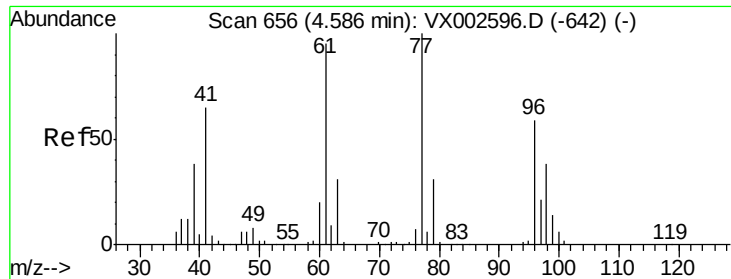
Delta R.T. -0.01 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Tgt Ion:	43	Resp:	12767
Ion Ratio	Lower	Upper	
43	100		
72	26.4	18.5	27.7





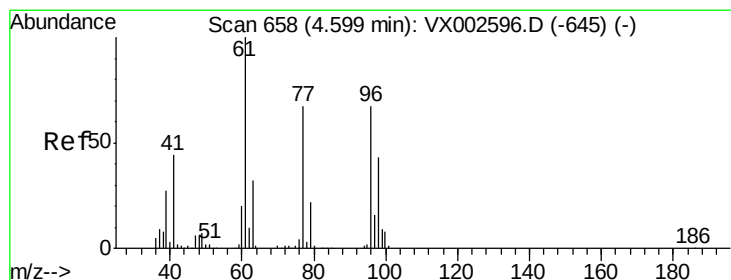
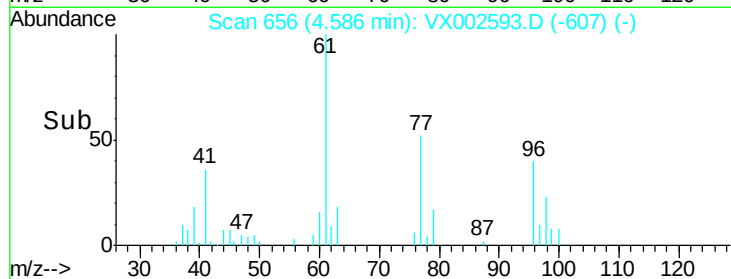
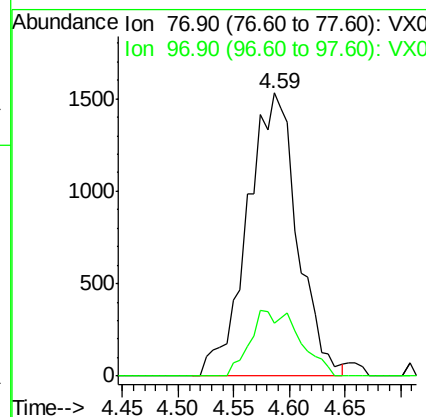
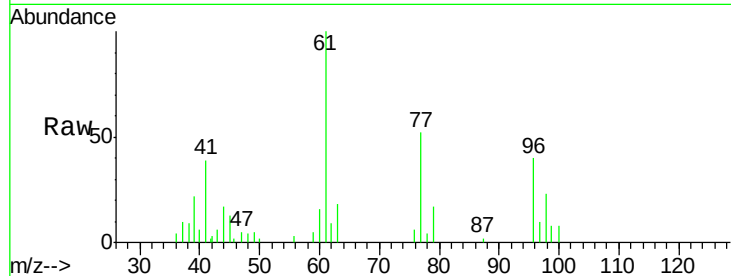
#26
 2,2-Dichloropropane
 Concen: 0.99 ug/l
 RT: 4.59 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VX002593.D
 Acq: 15 Jun 2018 11:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
77	100		
97	22.8	11.2	33.5

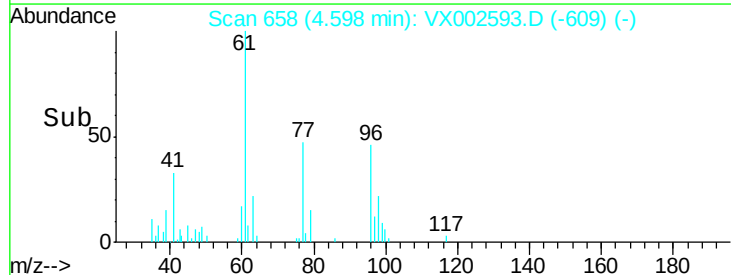
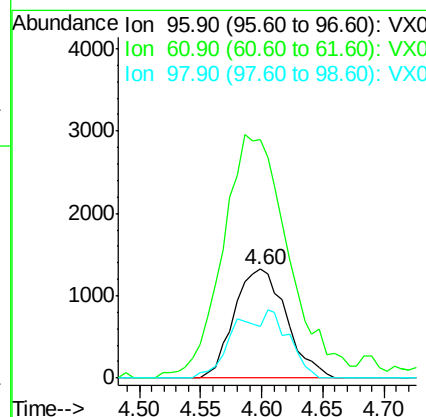
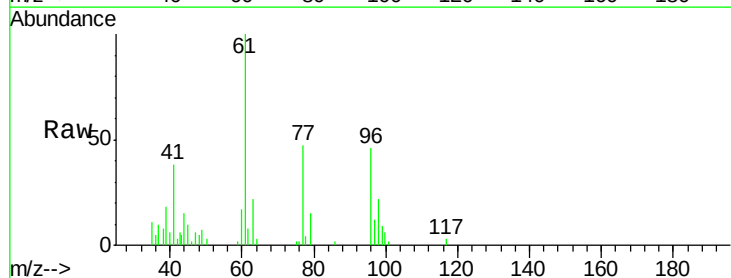
Manual Integrations
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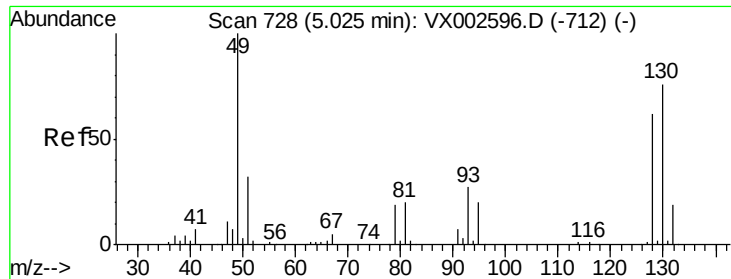
MMDadoda
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#27
 cis-1,2-Dichloroethene
 Concen: 1.02 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VX002593.D
 Acq: 15 Jun 2018 11:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	279.9	0.0	330.2
98	35.1	0.0	130.2





#28

Bromochloromethane

Concen: 1.01 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_X

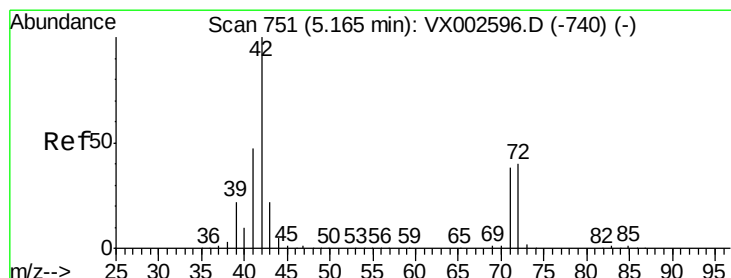
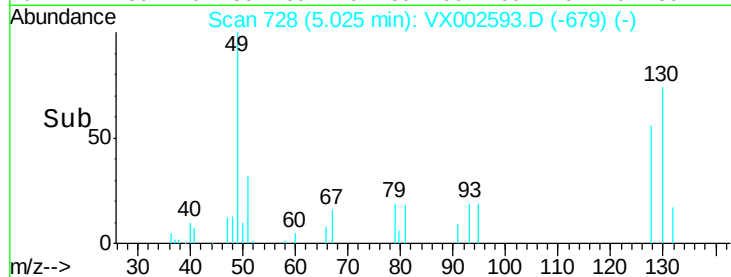
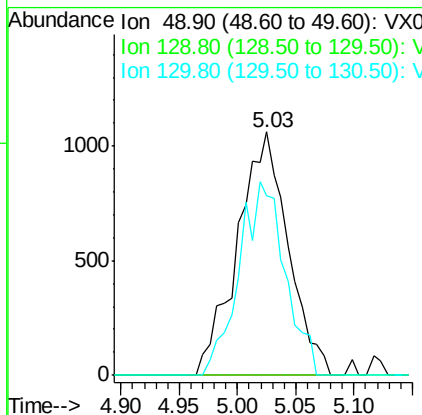
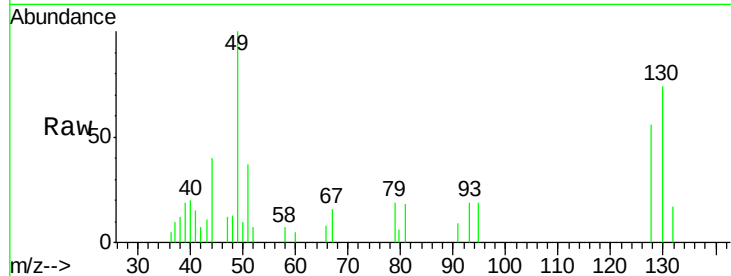
ClientSampleId :

VSTDIC001

Tot Ion:	49	Resp:	3217
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	72.0	61.2	91.8

Manual Integrations
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#29

Tetrahydrofuran

Concen: 4.83 ug/l

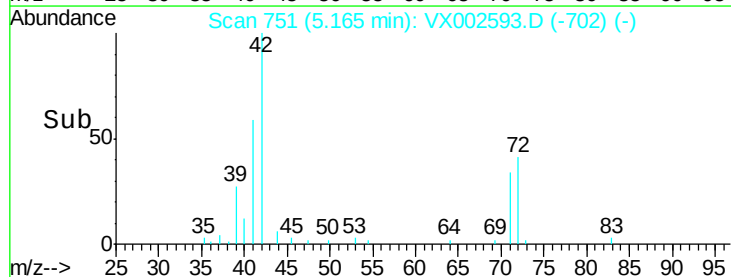
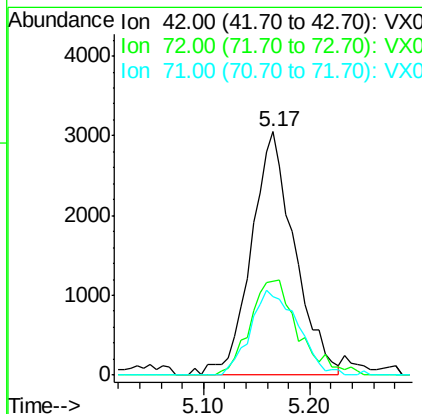
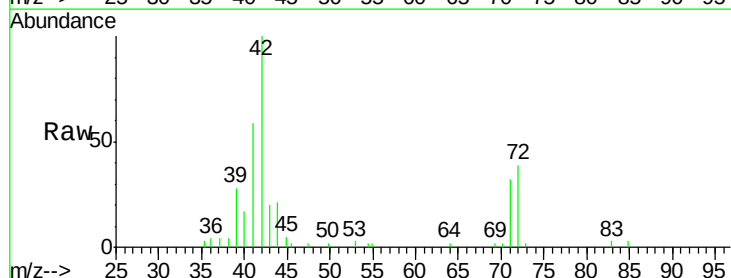
RT: 5.17 min Scan# 751

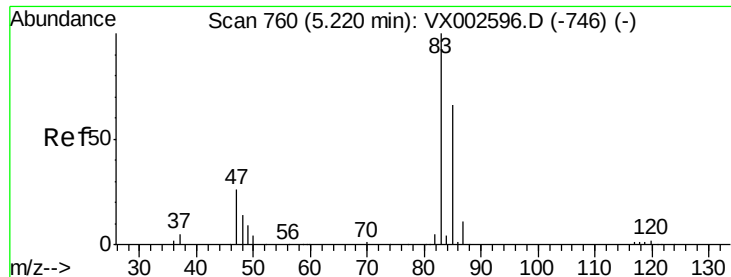
Delta R.T. -0.00 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Tgt Ion:	42	Resp:	8666
Ion	Ratio	Lower	Upper
42	100		
72	43.5	32.0	48.0
71	38.1	30.1	45.1





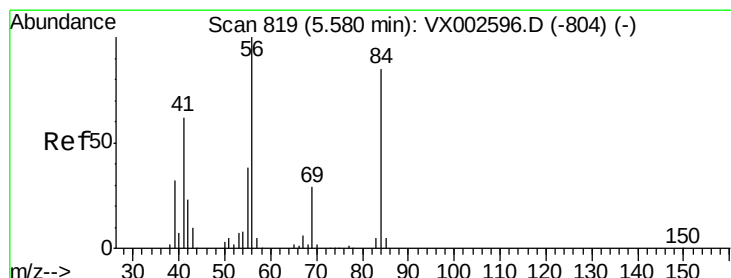
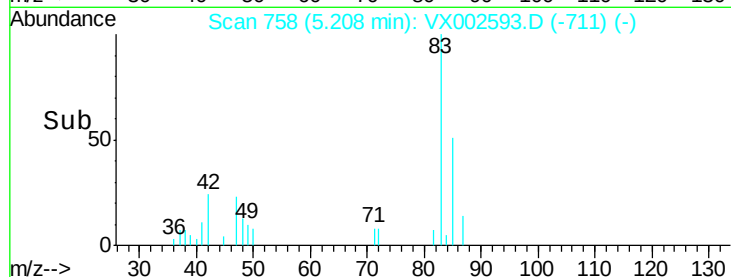
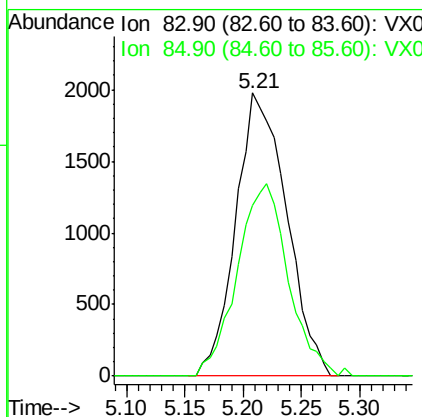
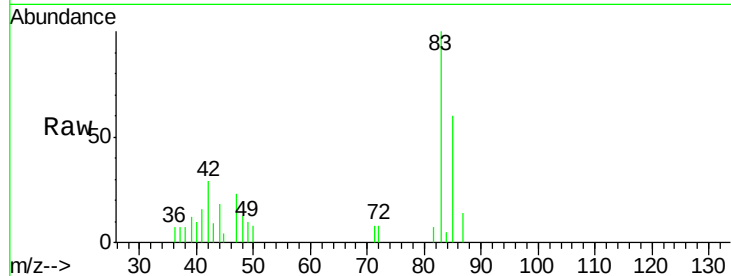
#30
Chloroform
Concen: 0.92 ug/l
RT: 5.21 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX002593.D
Acq: 15 Jun 2018 11:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	5992
Ion Ratio	100	Lower	Upper
83	100		
85	60.3	50.4	75.6

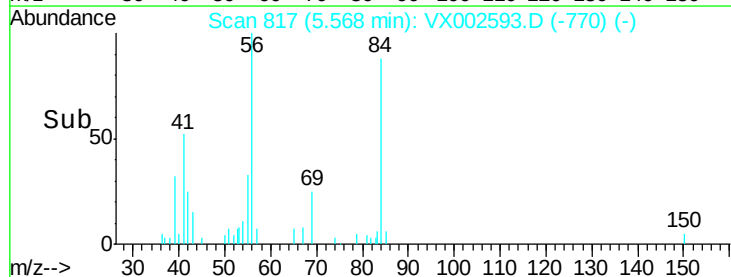
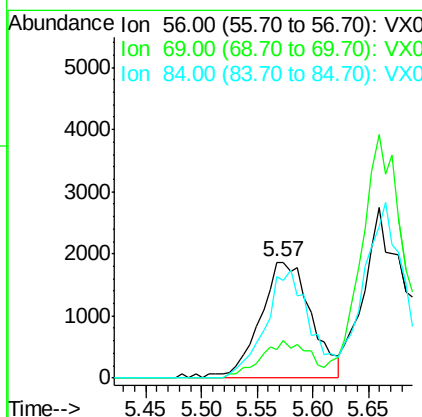
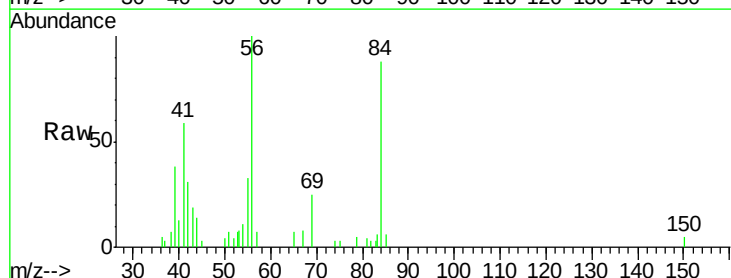
Manual Integrations
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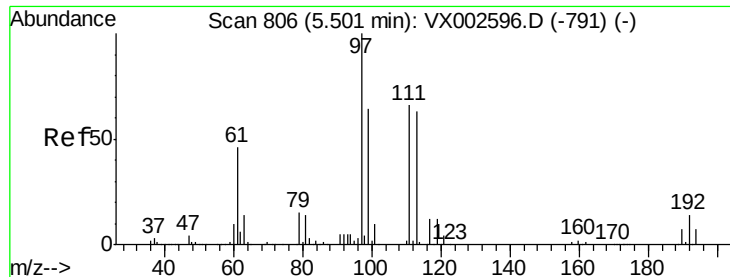
MMDadoda
6/18/2018 5:11:56 PM



#31
Cyclohexane
Concen: 1.07 ug/l
RT: 5.57 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX002593.D
Acq: 15 Jun 2018 11:36

Tgt Ion	56	Resp	5974
Ion Ratio	100	Lower	Upper
56	100		
69	24.8	23.7	35.5
84	87.6	64.1	96.1





#32

1,1,1-Trichloroethane

Concen: 0.88 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_X

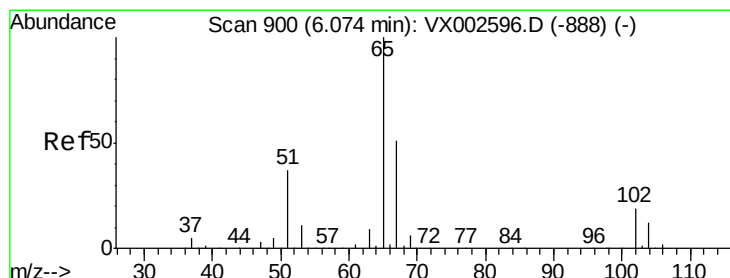
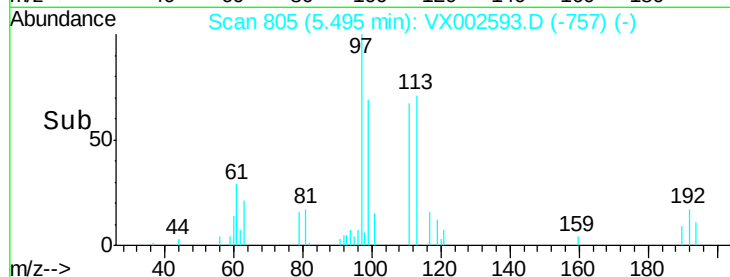
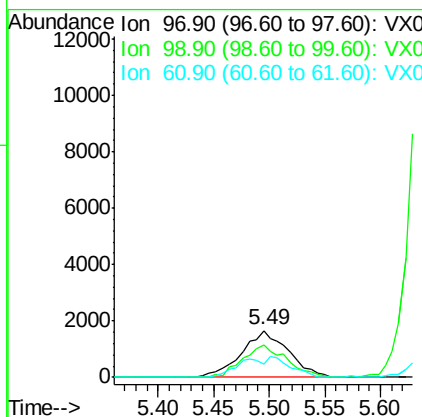
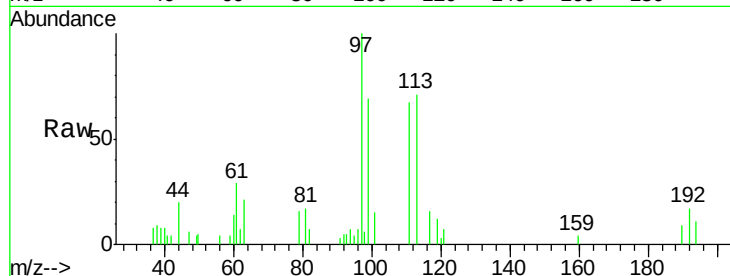
ClientSampleId :

VSTDIC001

Tot Ion:	97	Resp:	4820
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.6	77.4#
61	22.0	36.4	54.6#

Manual Integrations
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MMDadoda
6/18/2018 5:11:56 PM



#33

1,2-Dichloroethane-d4

Concen: 1.12 ug/l

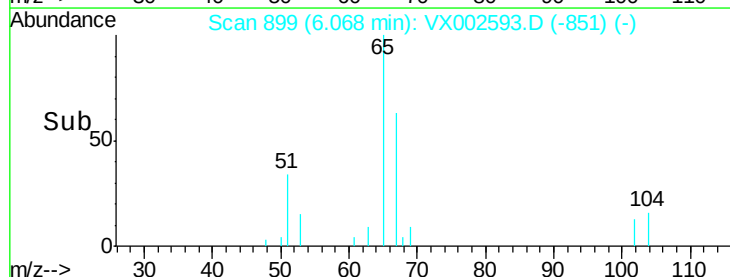
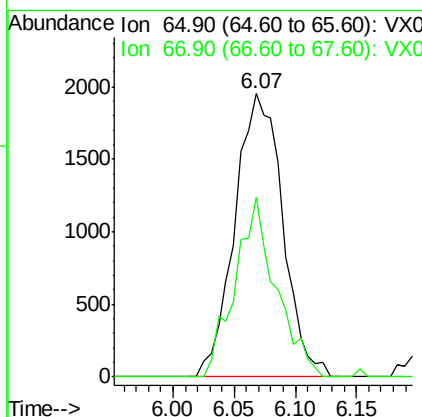
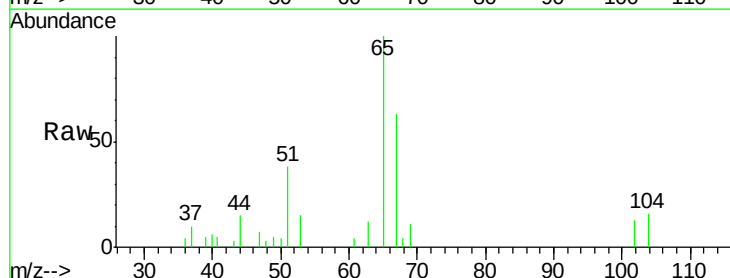
RT: 6.07 min Scan# 899

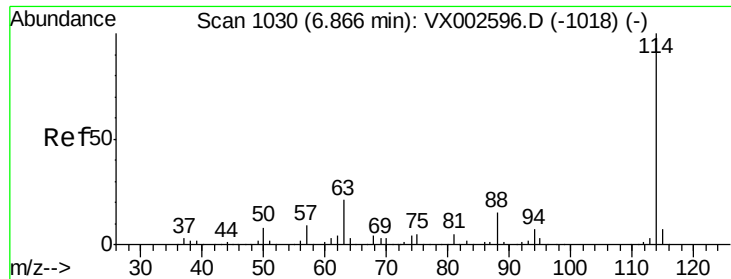
Delta R.T. -0.01 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Tgt Ion:	65	Resp:	5289
Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_X

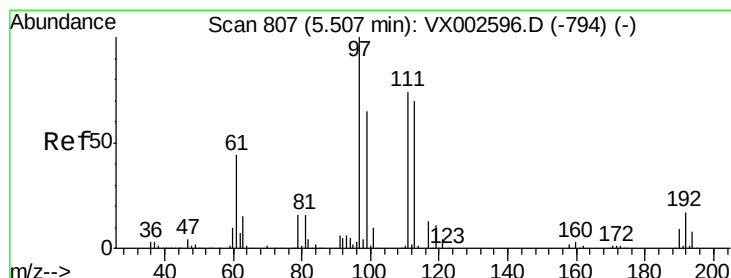
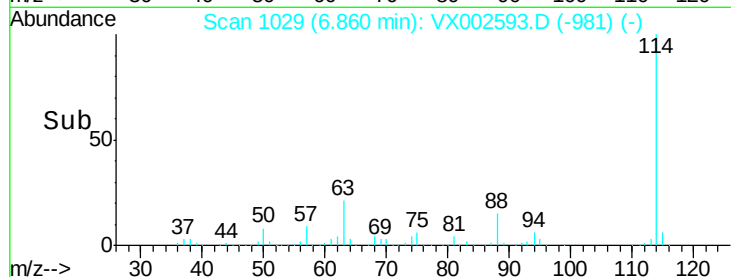
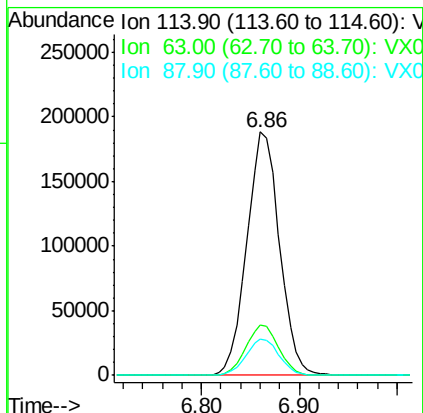
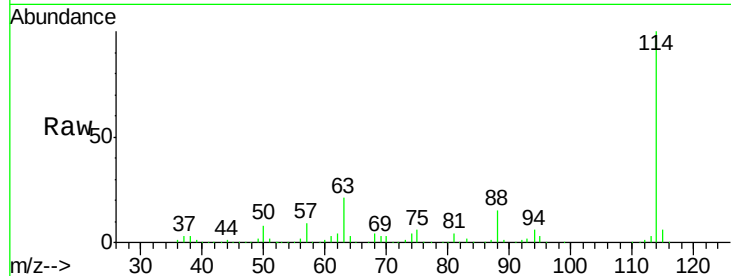
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
114	100	437338		
63	20.7	0.0	41.4	
88	14.9	0.0	30.0	

Manual Integrations
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6/18/2018 5:11:56 PM



#35

Dibromofluoromethane

Concen: 1.05 ug/l

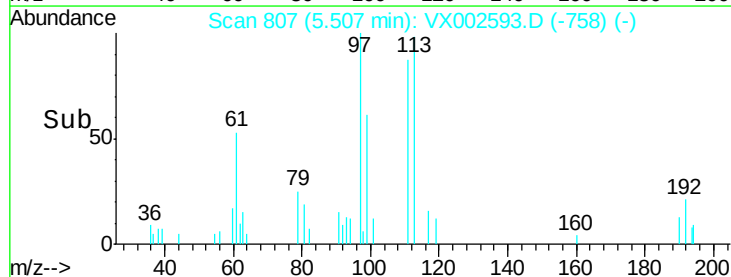
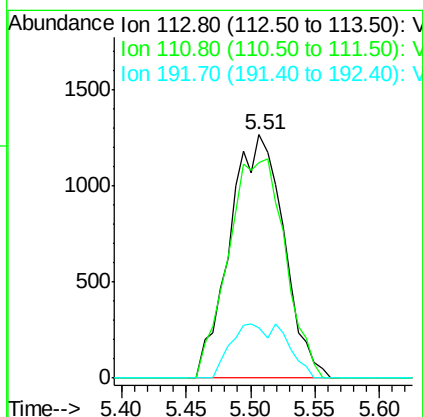
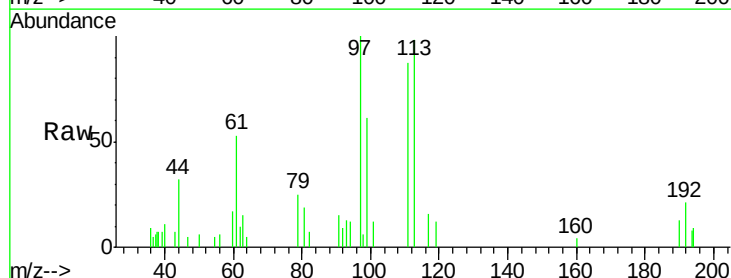
RT: 5.51 min Scan# 807

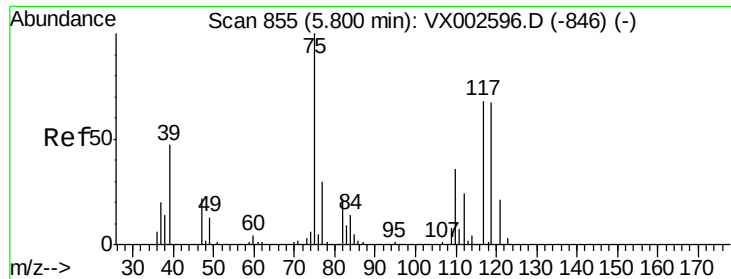
Delta R.T. -0.00 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	3678		
111	94.7	81.4	122.0	
192	14.9	19.1	28.7#	





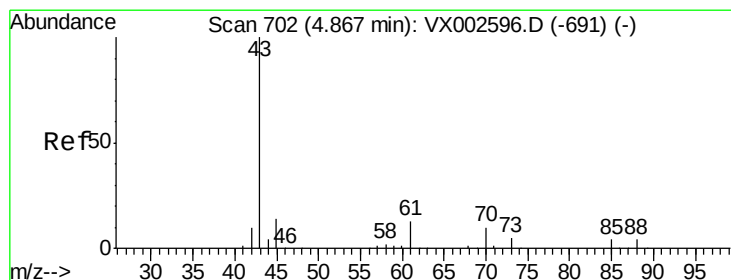
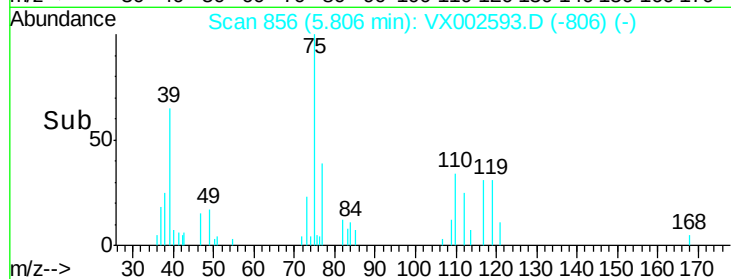
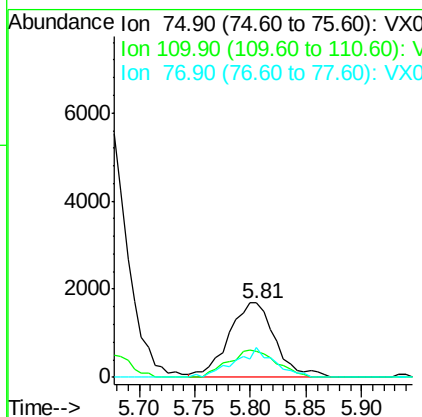
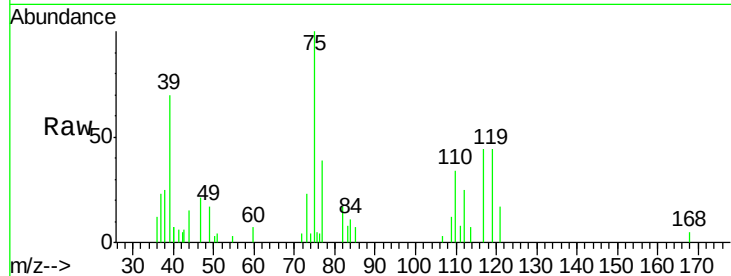
#36
 1,1-Dichloropropene
 Concen: 1.06 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VX002593.D
 Acq: 15 Jun 2018 11:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.0	18.1	54.4
77	33.3	24.3	36.5

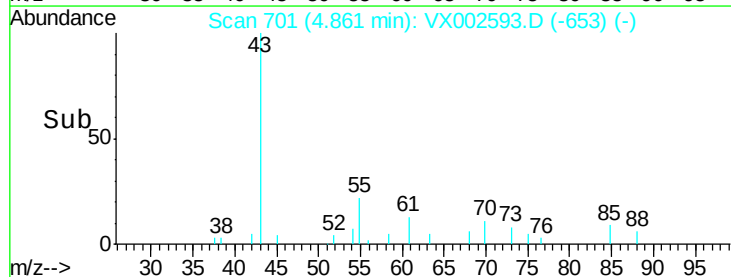
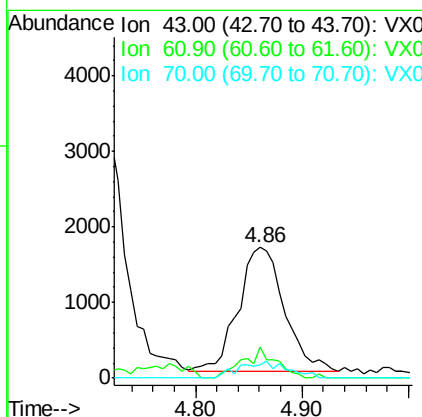
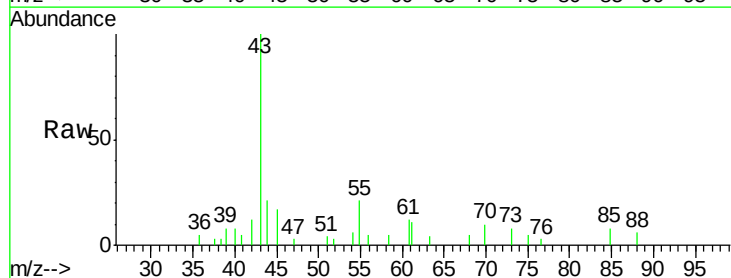
Manual Integrations
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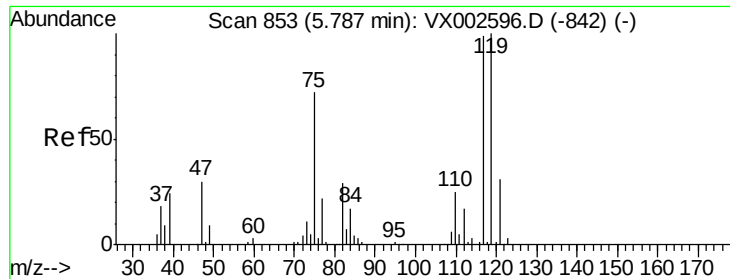
MMDadoda
 6/18/2018 5:11:56 PM



#37
 Ethyl Acetate
 Concen: 0.94 ug/l
 RT: 4.86 min Scan# 701
 Delta R.T. -0.01 min
 Lab File: VX002593.D
 Acq: 15 Jun 2018 11:36

Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.6	10.4	15.6#
70	13.8	7.6	11.4#





#38

Carbon Tetrachloride

Concen: 0.92 ug/l

RT: 5.78 min Scan# 852

Delta R.T. -0.01 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_X

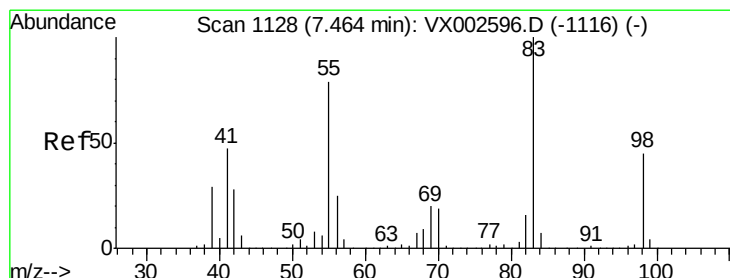
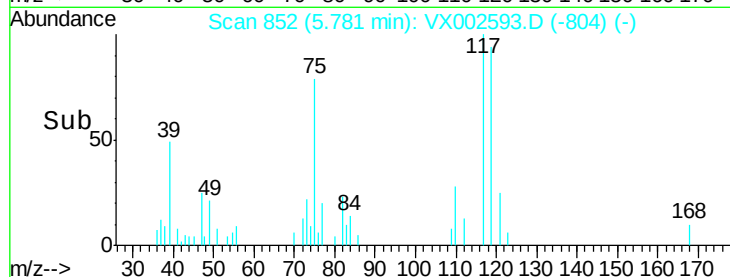
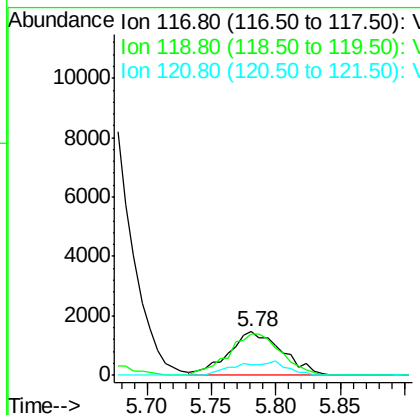
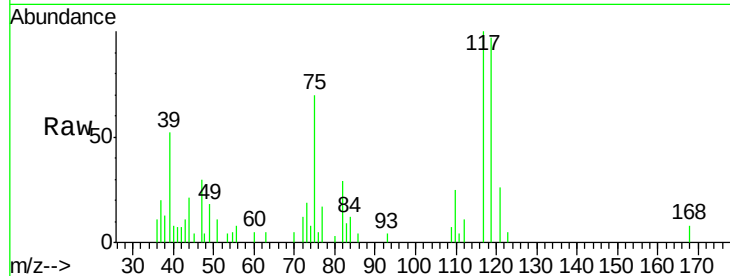
ClientSampled :

VSTDIC001

Tot Ion:	117	Resp:	4272
Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.4	116.0
121	25.8	24.4	36.6

Manual Integrations
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6/18/2018 5:11:56 PM



#39

Methylcyclohexane

Concen: 1.06 ug/l

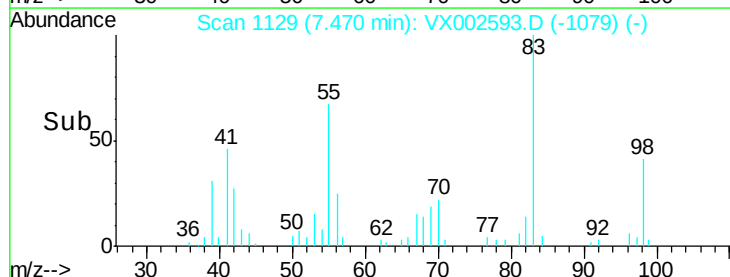
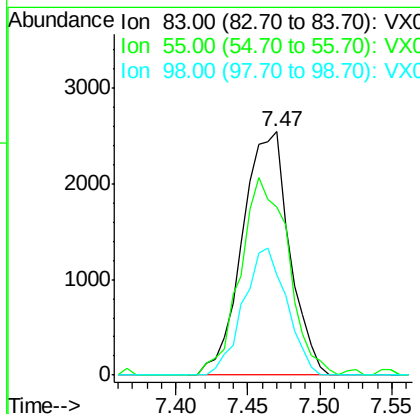
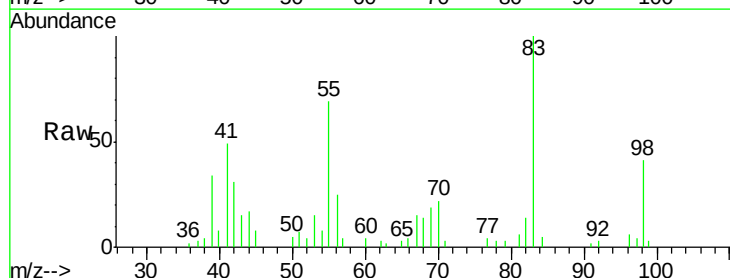
RT: 7.47 min Scan# 1129

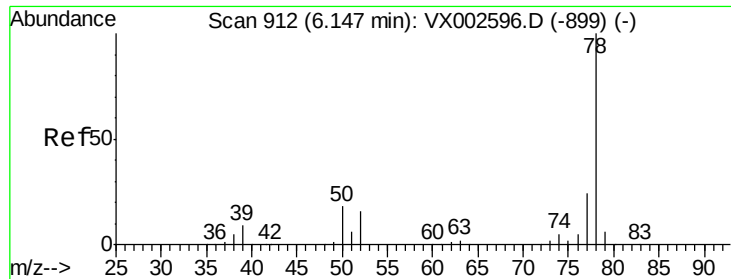
Delta R.T. 0.01 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Tgt Ion:	83	Resp:	5759
Ion	Ratio	Lower	Upper
83	100		
55	68.8	65.4	98.0
98	41.1	37.4	56.0





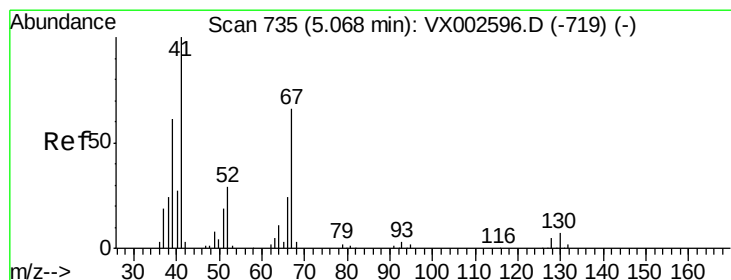
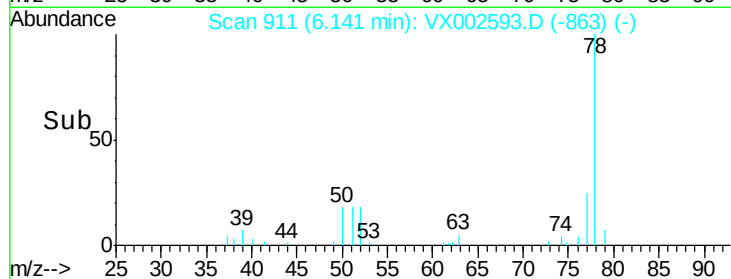
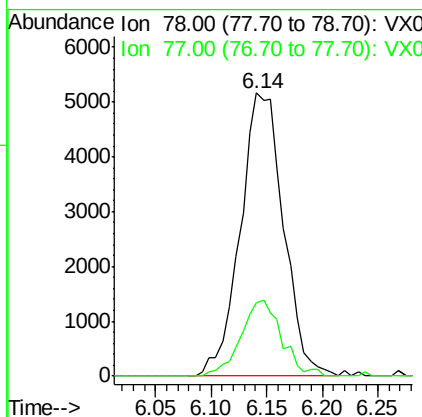
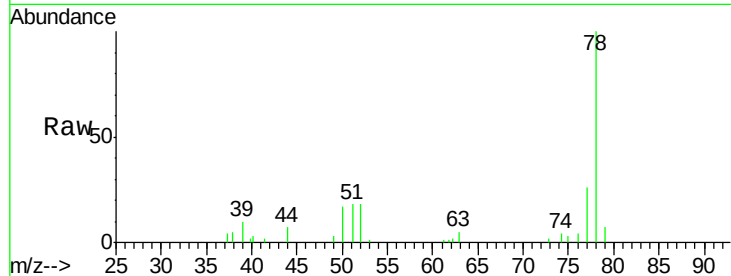
#40
Benzene
Concen: 1.00 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX002593.D
Acq: 15 Jun 2018 11:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 78 Resp: 13963
Ion Ratio Lower Upper
78 100
77 26.0 19.1 28.7

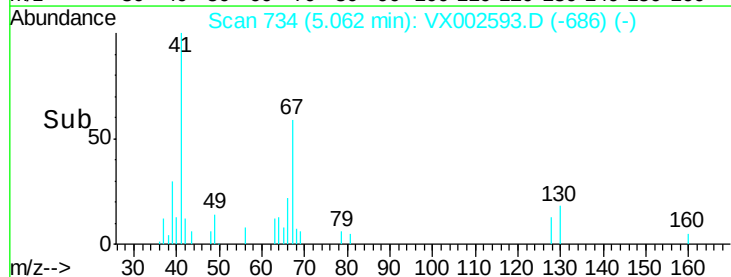
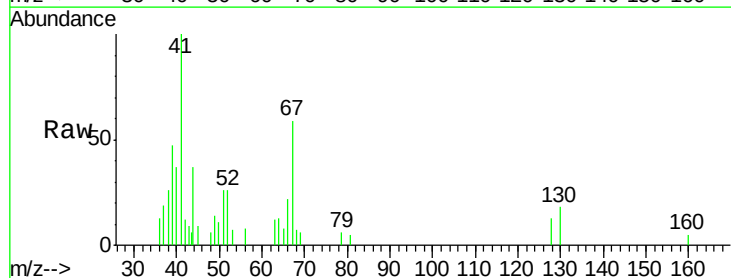
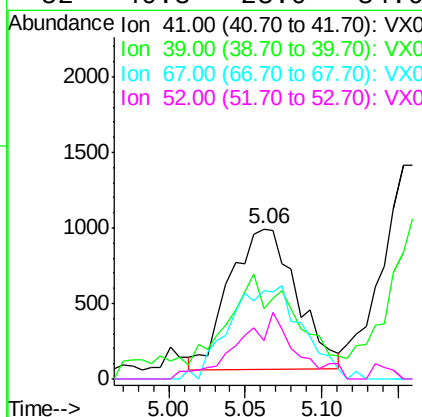
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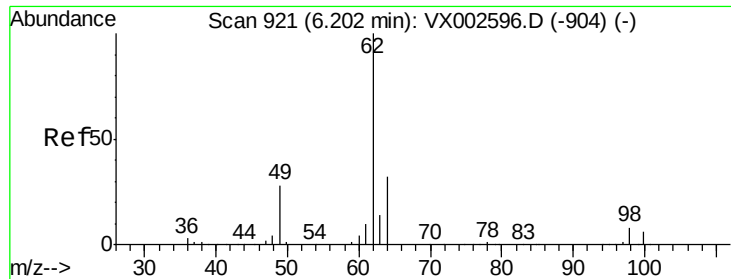
MMDadoda
6/18/2018 5:11:56 PM



#41
Methacrylonitrile
Concen: 0.95 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX002593.D
Acq: 15 Jun 2018 11:36

Tgt Ion: 41 Resp: 2831
Ion Ratio Lower Upper
41 100
39 72.1 45.8 68.6#
67 72.1 51.3 76.9
52 40.3 23.0 34.6#





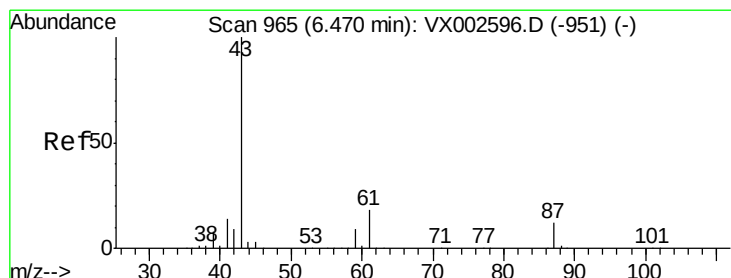
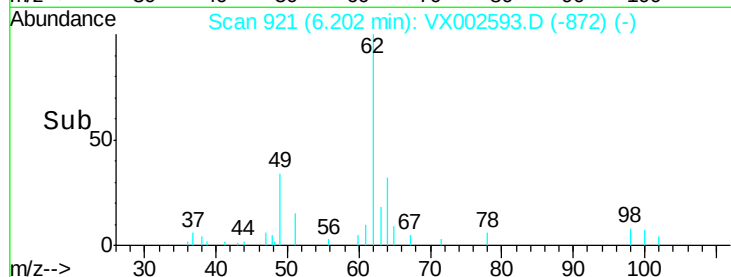
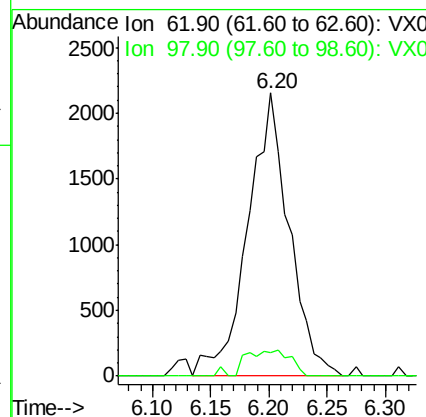
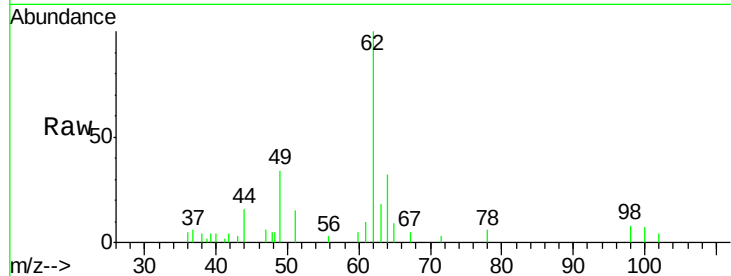
#42
 1,2-Dichloroethane
 Concen: 0.99 ug/l
 RT: 6.20 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VX002593.D
 Acq: 15 Jun 2018 11:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	16.6

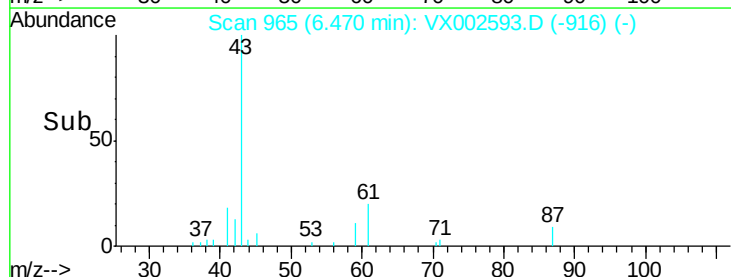
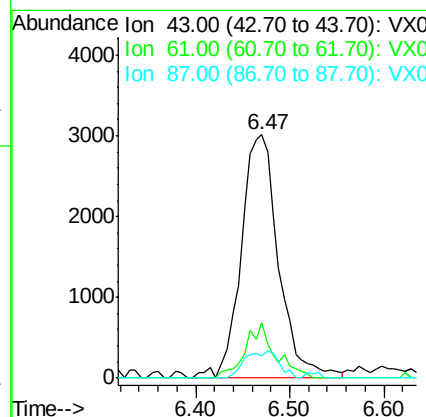
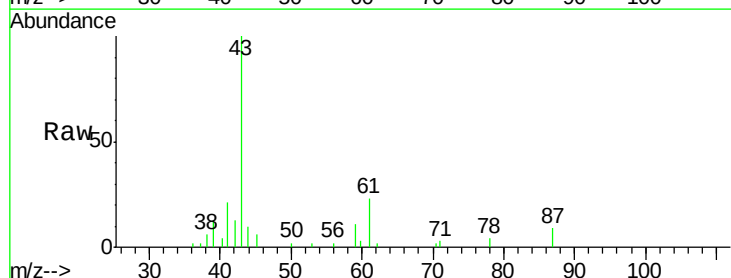
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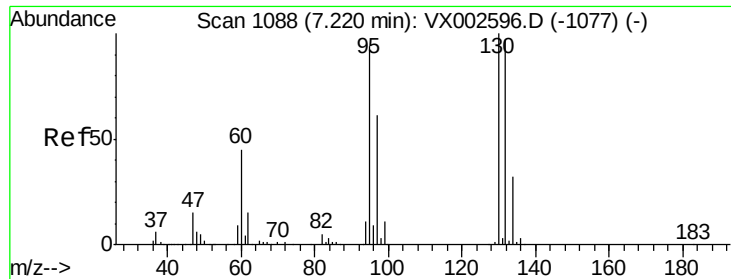
MMDadoda
 6/18/2018 5:11:56 PM



#43
 Isopropyl Acetate
 Concen: 0.96 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX002593.D
 Acq: 15 Jun 2018 11:36

Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.4	21.6
87	10.1	9.5	14.3





#44

Trichloroethene

Concen: 0.97 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 3887

Ion Ratio Lower Upper

130 100

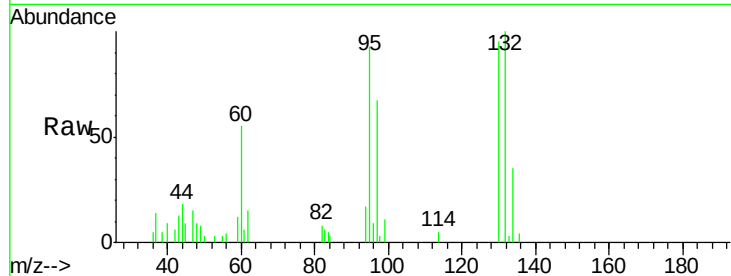
95 97.9 0.0 185.4

Manual Integrations

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

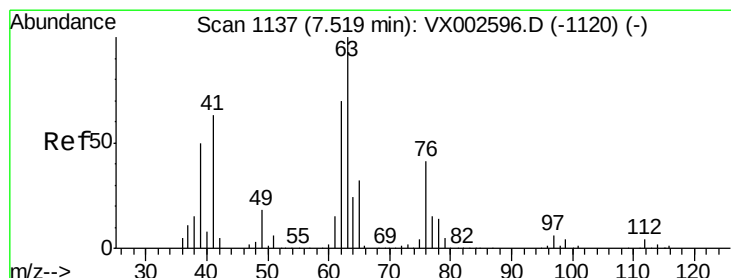
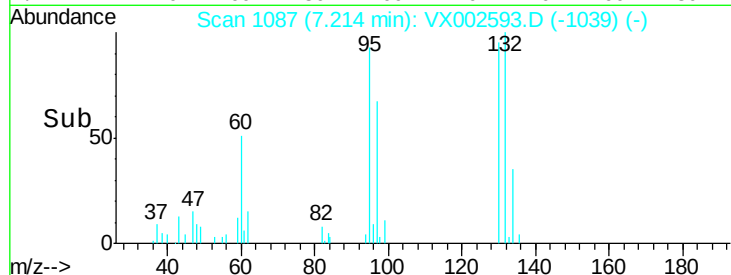
1500

1000

500

0

Time-->



#45

1,2-Dichloropropane

Concen: 1.01 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002593.D

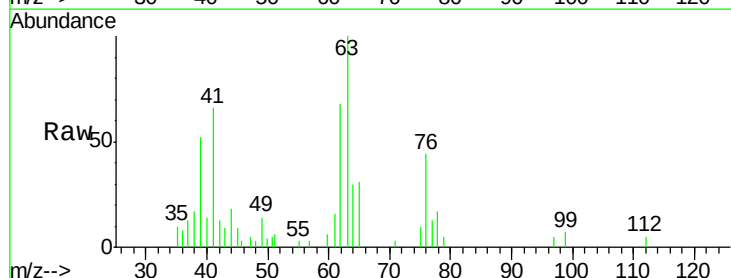
Acq: 15 Jun 2018 11:36

Tgt Ion: 63 Resp: 3687

Ion Ratio Lower Upper

63 100

65 31.4 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

2000

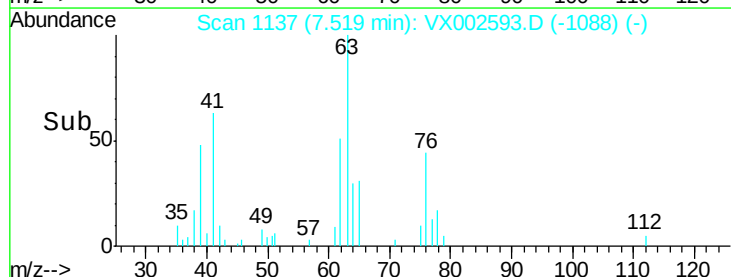
1500

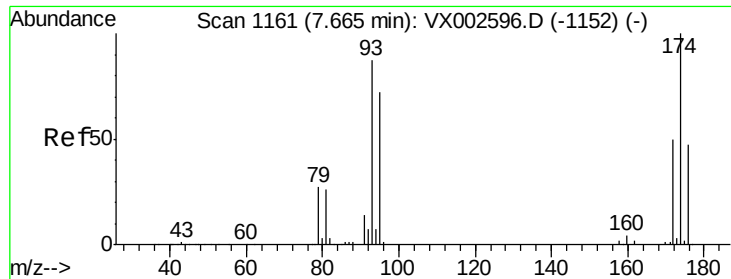
1000

500

0

Time-->





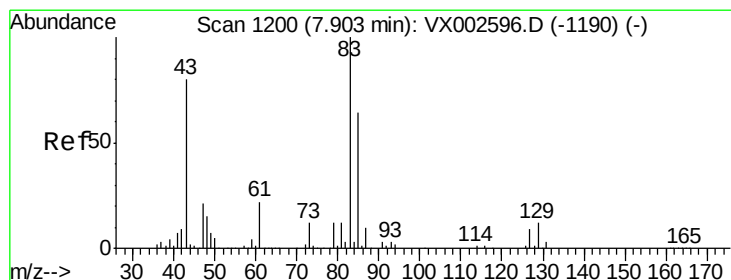
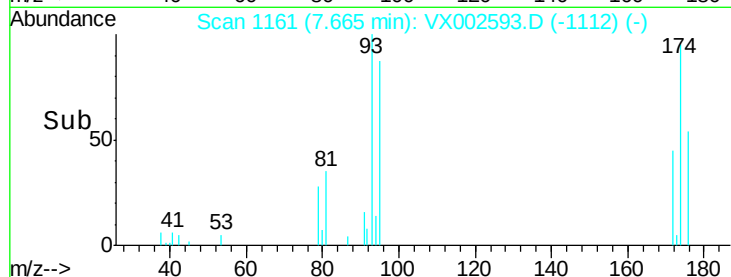
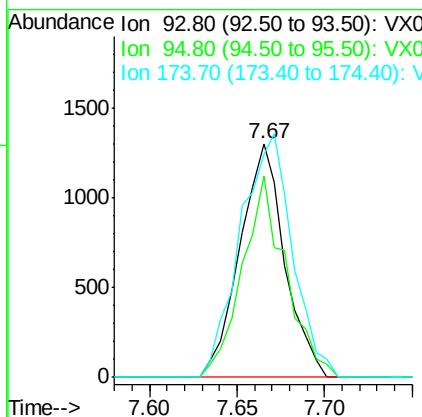
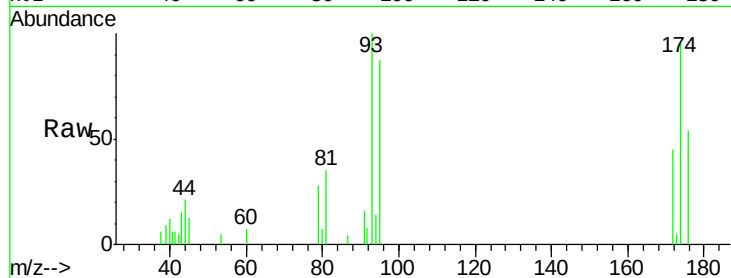
#46
Dibromomethane
Concen: 0.95 ug/l
RT: 7.67 min Scan# 1161
Delta R.T. -0.00 min
Lab File: VX002593.D
Acq: 15 Jun 2018 11:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
93	100		
95	83.7	65.9	98.9
174	121.1	92.4	138.6

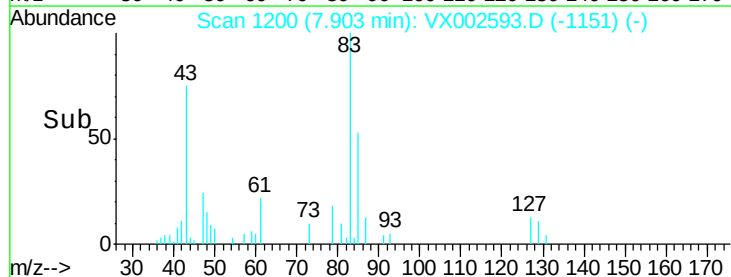
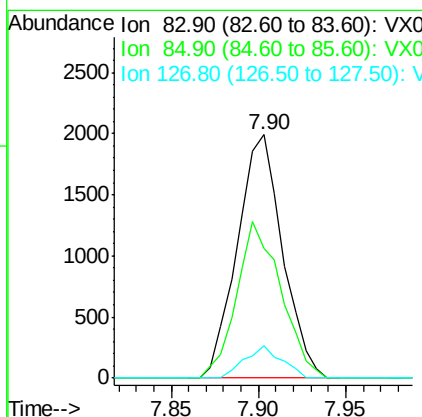
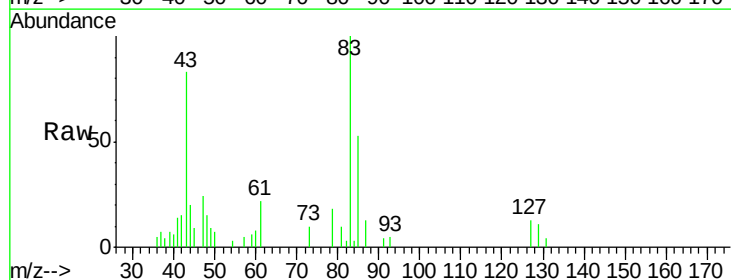
Manual Integrations
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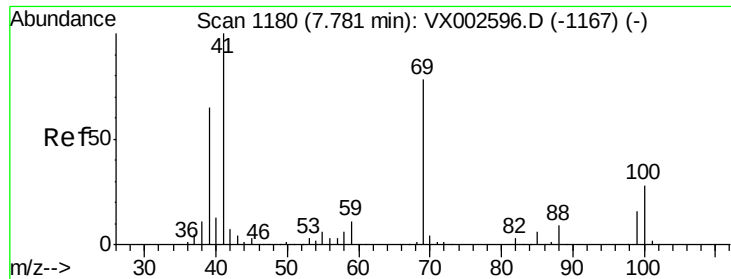
MMDadoda
6/18/2018 5:11:56 PM



#47
Bromodichloromethane
Concen: 0.83 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VX002593.D
Acq: 15 Jun 2018 11:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	53.4	50.3	75.5
127	13.1	7.0	10.4#





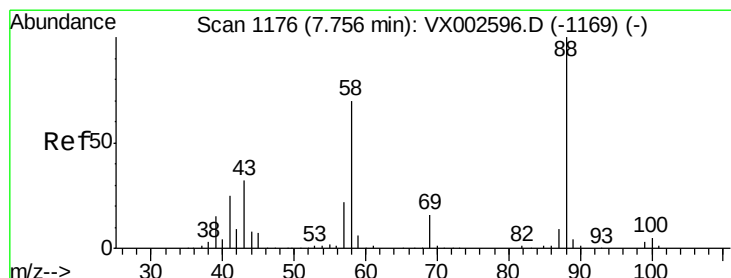
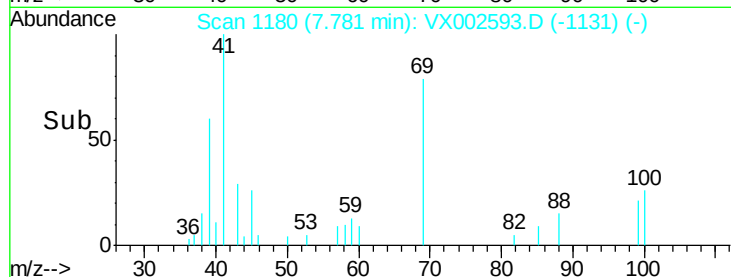
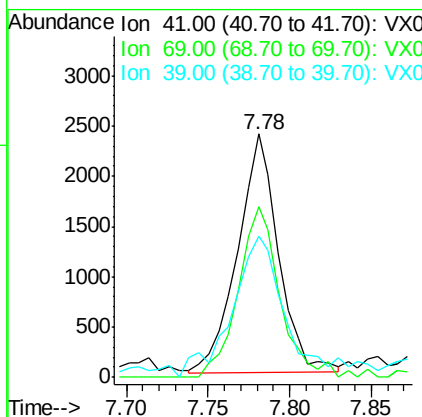
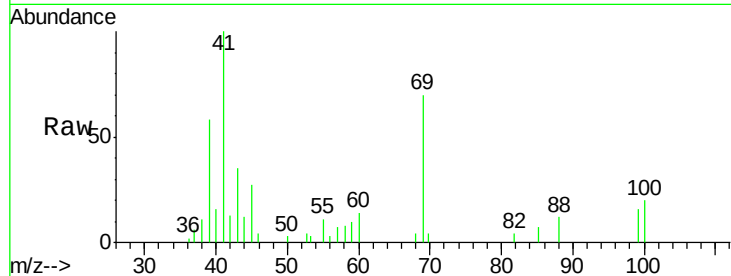
#48
Methvl methacrylate
Concen: 0.93 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VX002593.D
Acq: 15 Jun 2018 11:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	73.1	59.1	88.7
39	73.7	48.9	73.3#

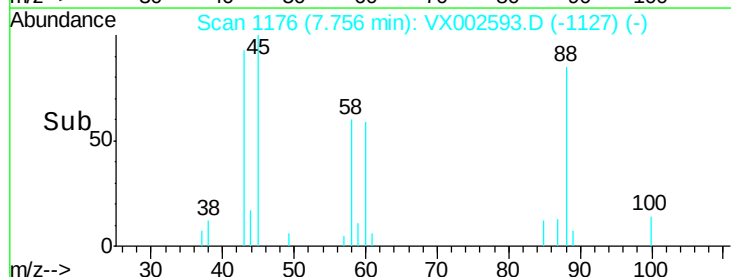
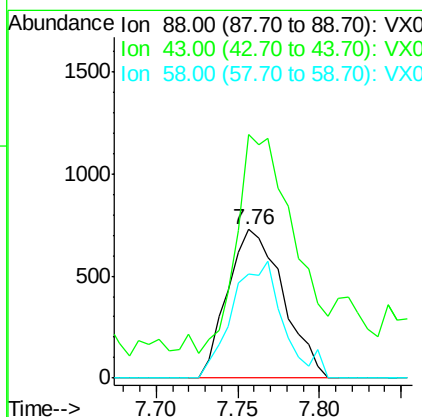
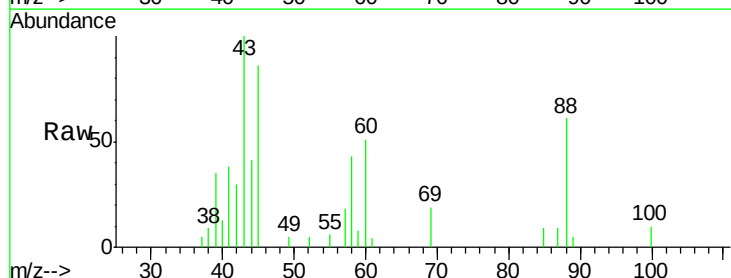
Manual Integrations
APPROVED

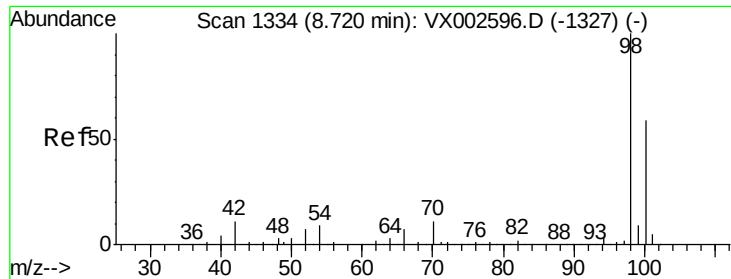
MMDadoda
6/18/2018 5:11:56 PM



#49
1,4-Dioxane
Concen: 20.38 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX002593.D
Acq: 15 Jun 2018 11:36

Tgt Ion	Ratio	Lower	Upper
88	100		
43	150.2	29.8	44.6#
58	72.2	57.1	85.7





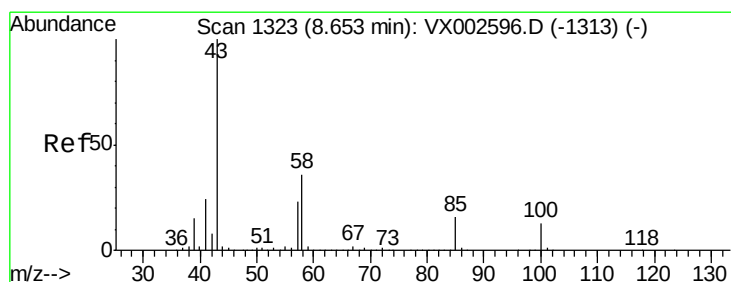
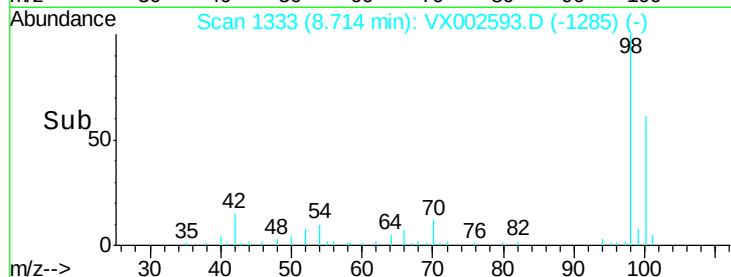
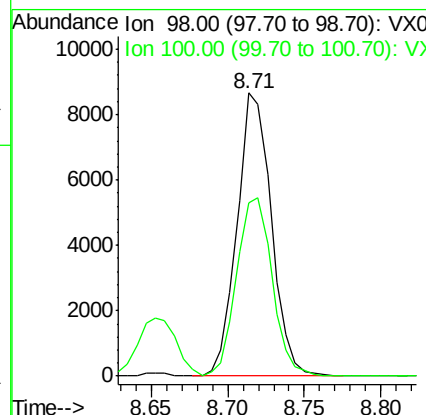
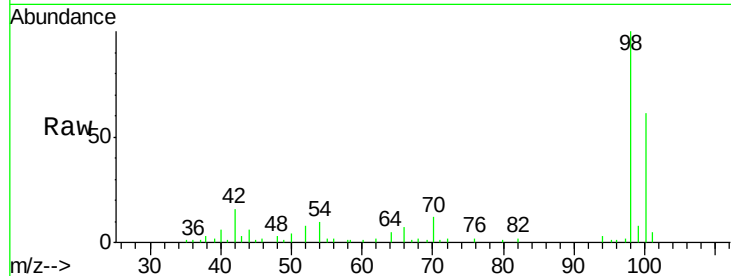
#50
Toluene-d8
Concen: 1.02 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX002593.D
Acq: 15 Jun 2018 11:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 98 Resp: 13507
Ion Ratio Lower Upper
98 100
100 65.2 50.9 76.3

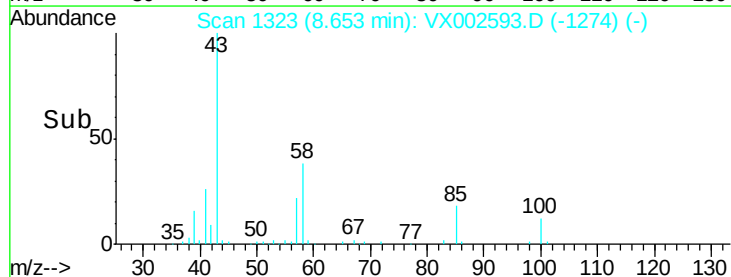
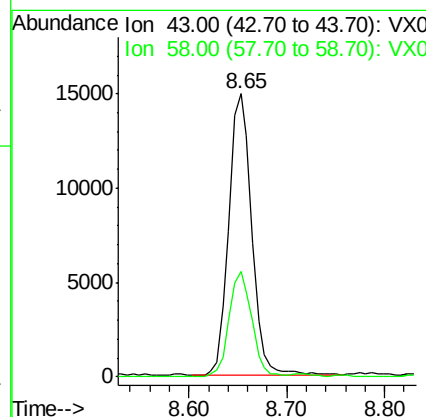
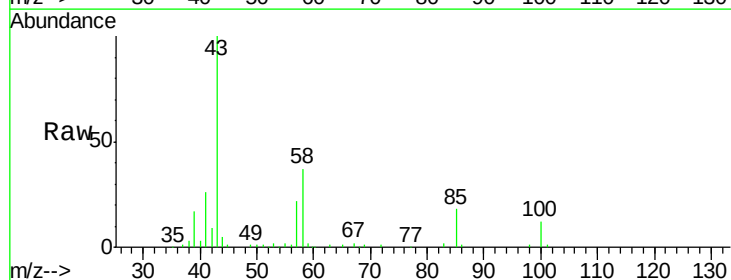
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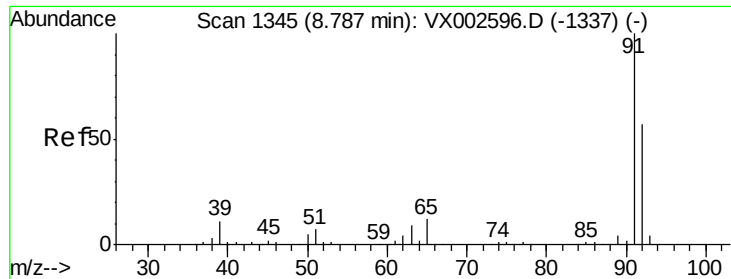
MMDadoda
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#51
4-Methyl-2-Pentanone
Concen: 4.38 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX002593.D
Acq: 15 Jun 2018 11:36

Tgt Ion: 43 Resp: 24501
Ion Ratio Lower Upper
43 100
58 36.8 28.6 42.8





#52

Toluene

Concen: 0.94 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 92 Resp: 8338

Ion Ratio Lower Upper

92 100

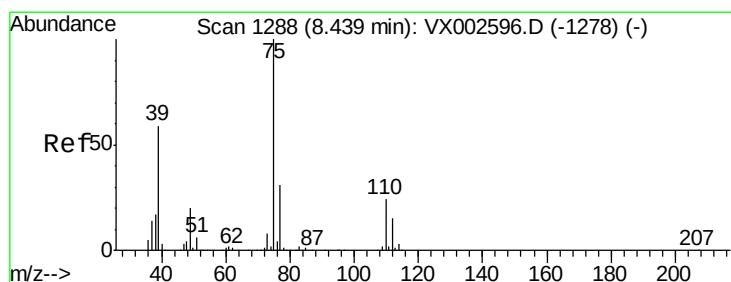
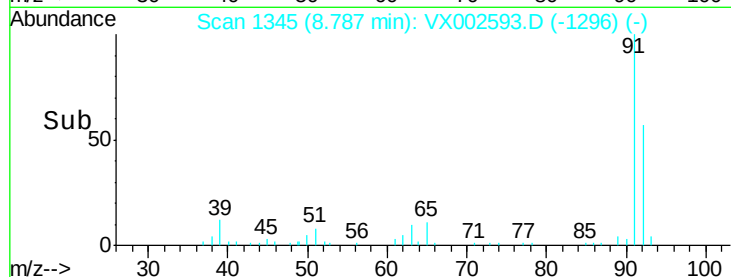
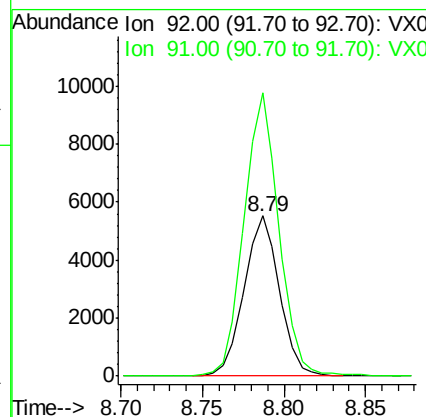
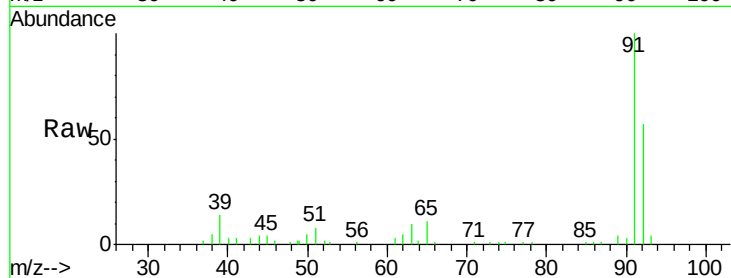
91 174.2 140.4 210.6

Manual Integrations

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#53

t-1,3-Dichloropropene

Concen: 3.03 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002593.D

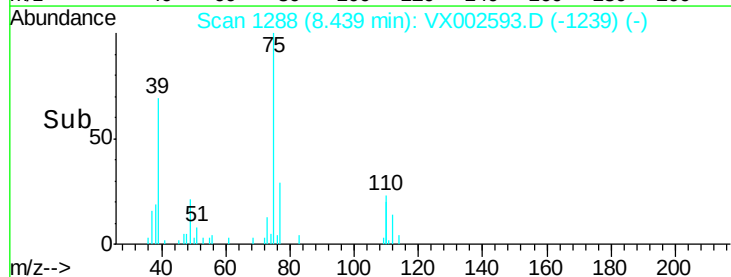
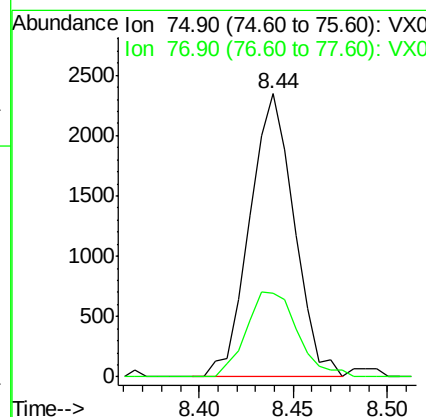
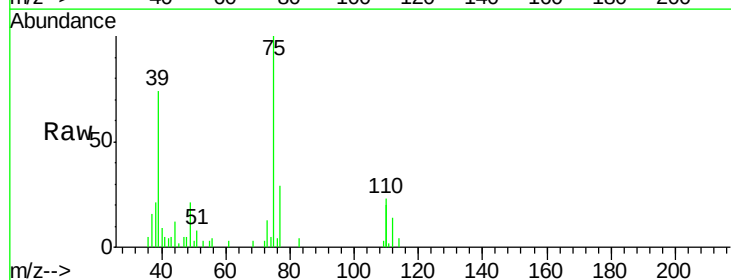
Acq: 15 Jun 2018 11:36

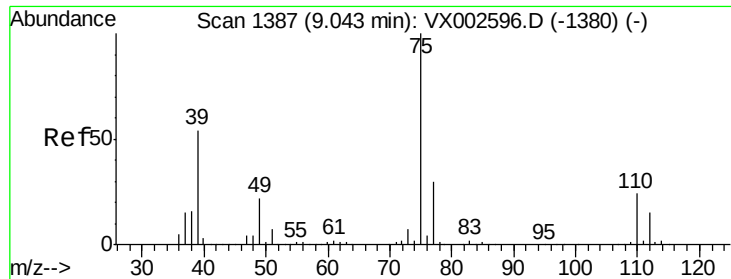
Tgt Ion: 75 Resp: 3834

Ion Ratio Lower Upper

75 100

77 29.4 25.4 38.2





#54

cis-1,3-Dichloropropene

Concen: 3.78 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_X

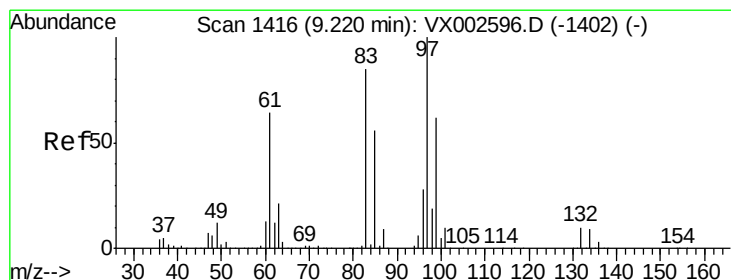
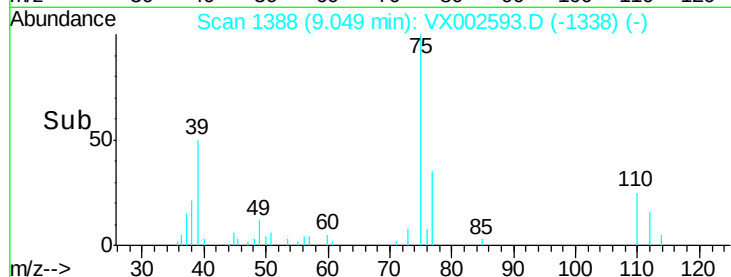
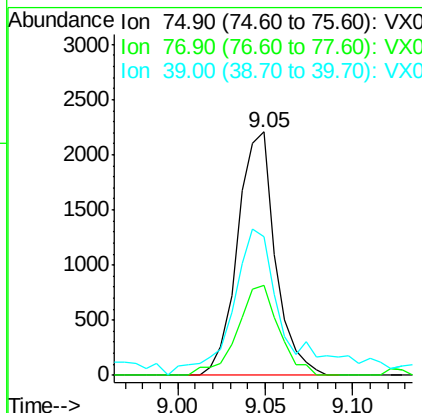
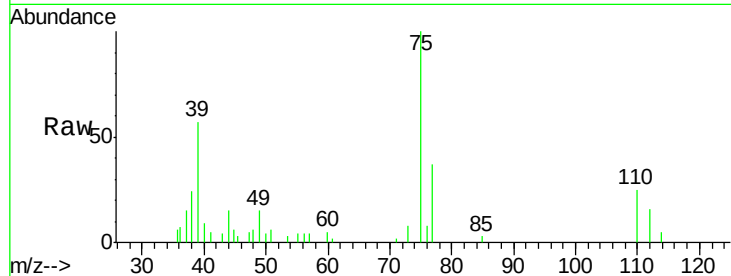
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	3302
Ion	Ratio	Lower	Upper
75	100		
77	37.2	24.8	37.2
39	52.6	42.4	63.6

Manual Integrations
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#55

1,1,2-Trichloroethane

Concen: 0.90 ug/l

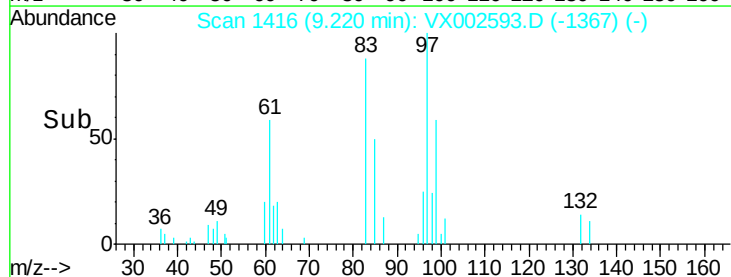
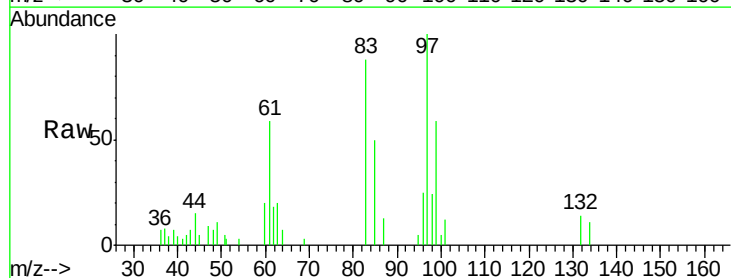
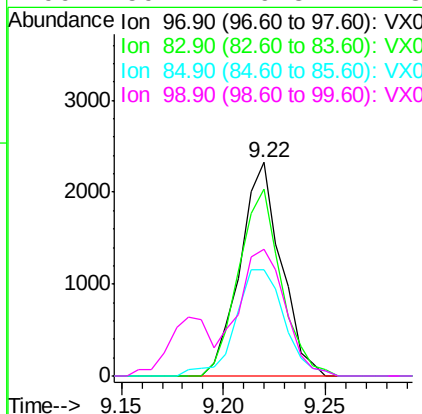
RT: 9.22 min Scan# 1416

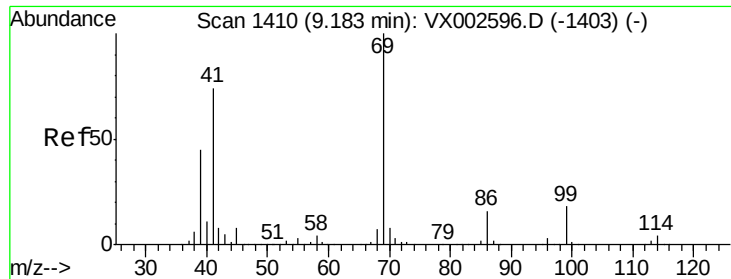
Delta R.T. -0.00 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Tgt Ion:	97	Resp:	3246
Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.2	105.2
85	49.5	44.9	67.3
99	59.1	49.8	74.8





#56

Ethyl methacrylate

Concen: 0.83 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.00 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_X

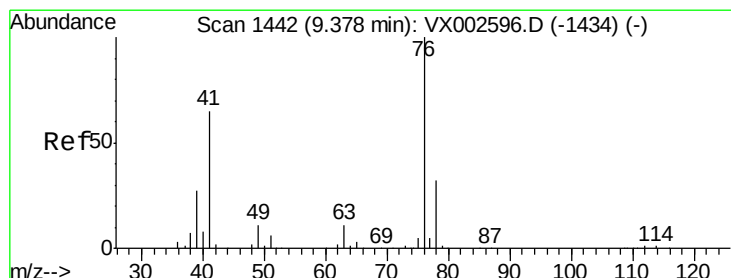
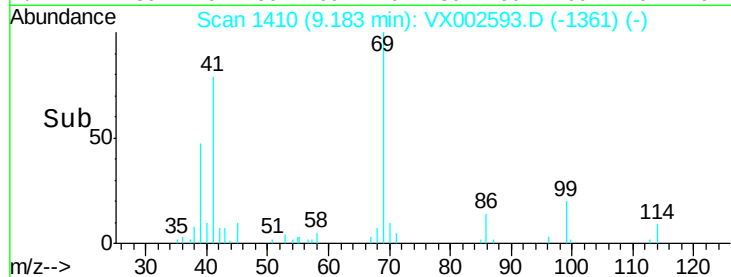
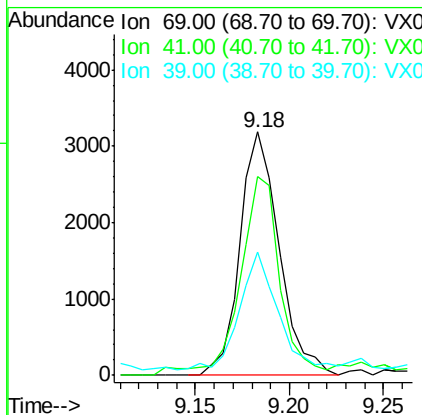
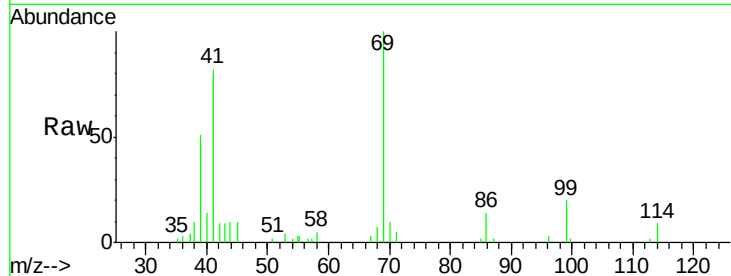
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	4598
Ion	Ratio	Lower	Upper
69	100		
41	83.2	60.3	90.5
39	47.2	35.8	53.8

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 0.99 ug/l

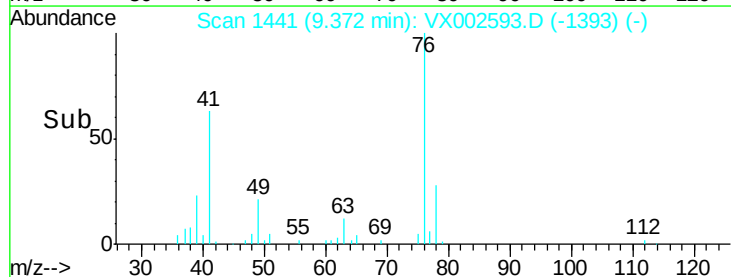
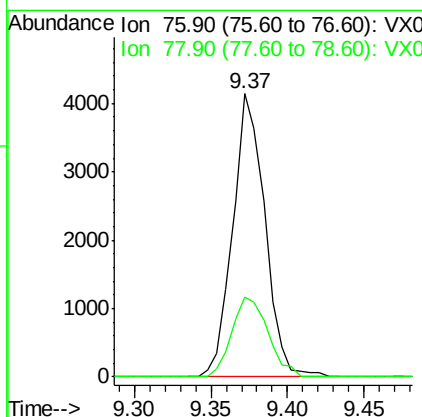
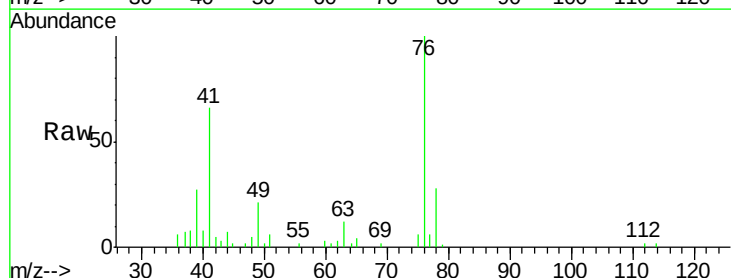
RT: 9.37 min Scan# 1441

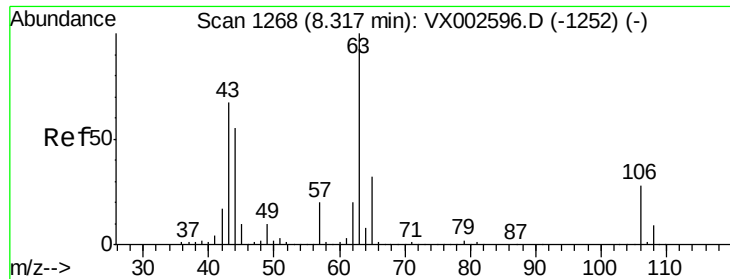
Delta R.T. -0.01 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Tgt Ion:	76	Resp:	6033
Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.8	38.6





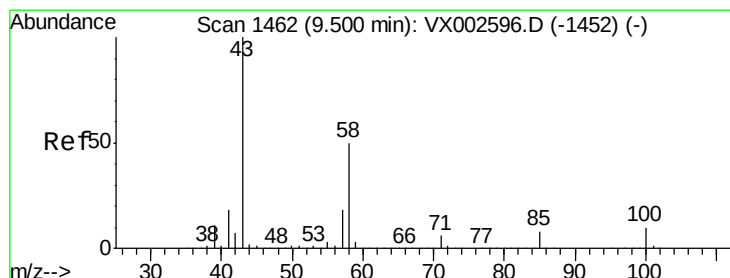
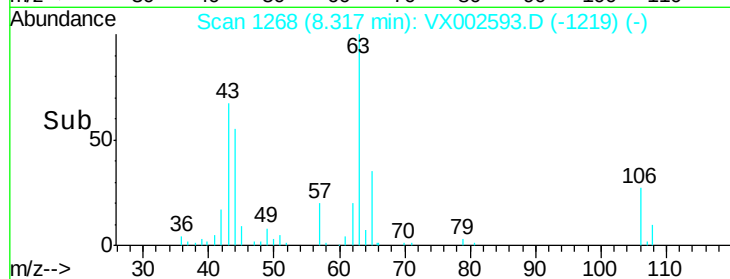
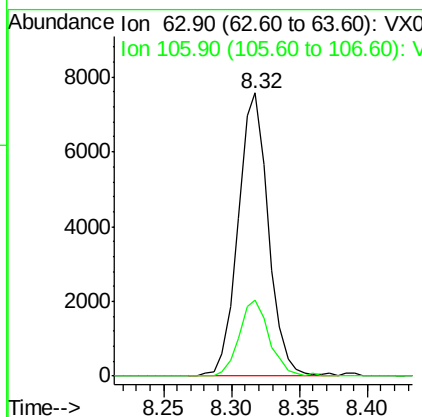
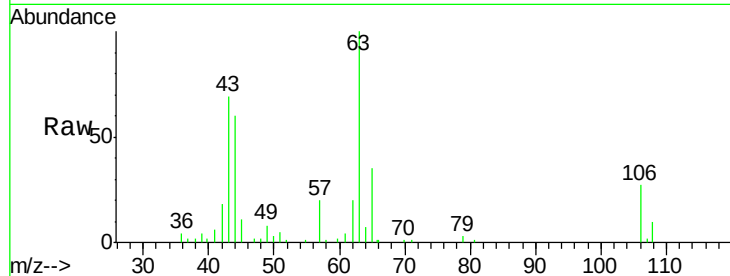
#58
2-Chloroethyl Vinyl ether
Concen: 4.40 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. -0.00 min
Lab File: VX002593.D
Acq: 15 Jun 2018 11:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 63 Resp: 11757
Ion Ratio Lower Upper
63 100
106 26.4 21.8 32.8

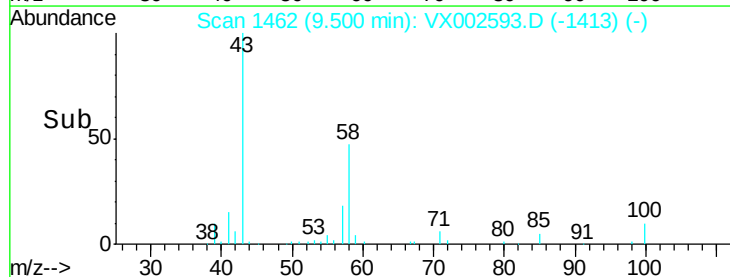
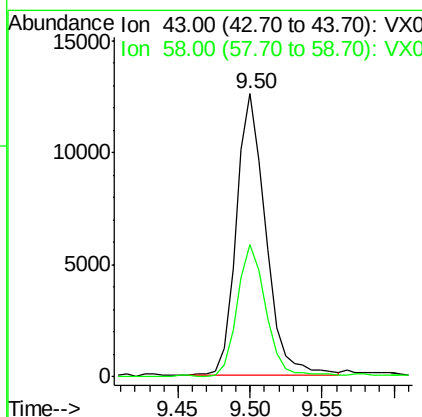
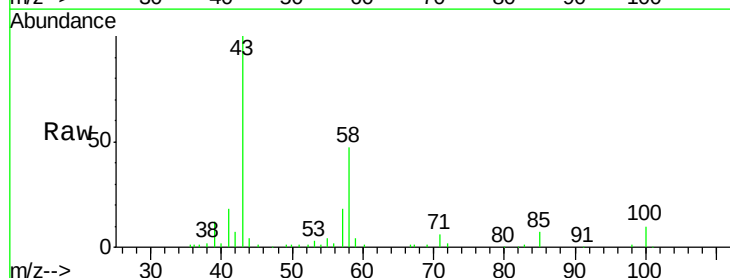
Manual Integrations
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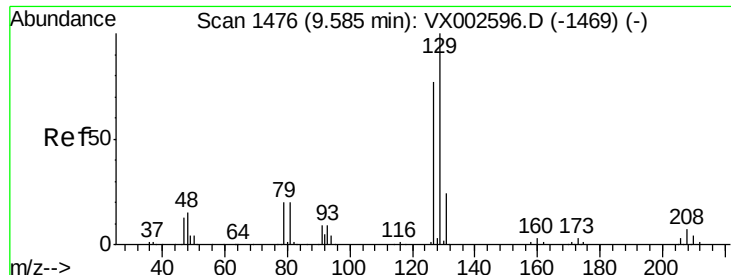
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#59
2-Hexanone
Concen: 4.22 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002593.D
Acq: 15 Jun 2018 11:36

Tgt Ion: 43 Resp: 17801
Ion Ratio Lower Upper
43 100
58 46.9 24.6 73.6





#60

Dibromochloromethane

Concen: 4.36 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 2621

Ion Ratio Lower Upper

129 100

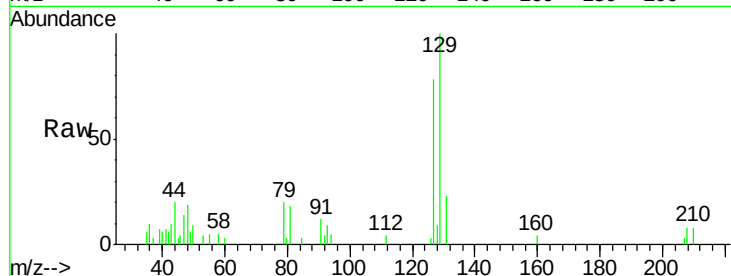
127 75.7 38.5 115.3

Manual Integrations

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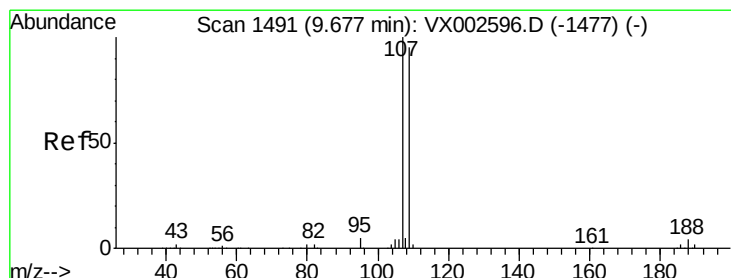
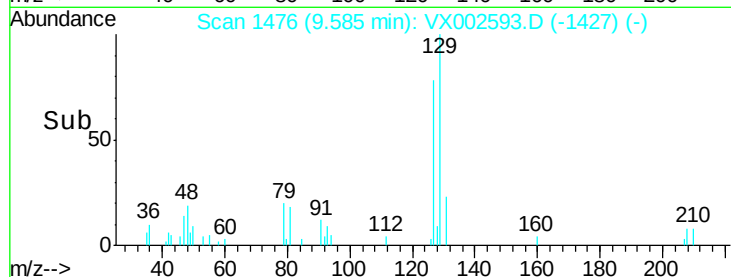
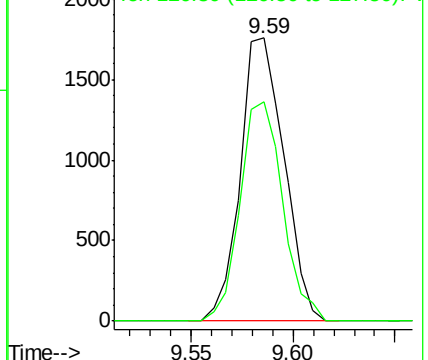
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.83 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002593.D

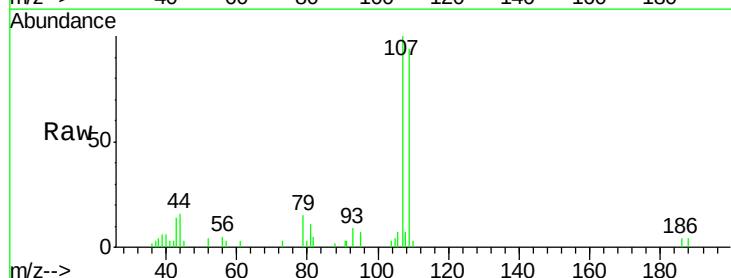
Acq: 15 Jun 2018 11:36

Tgt Ion:107 Resp: 3090

Ion Ratio Lower Upper

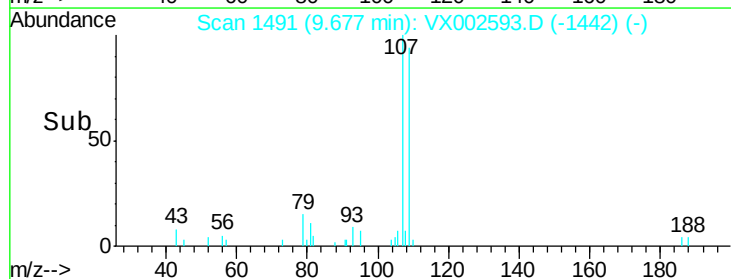
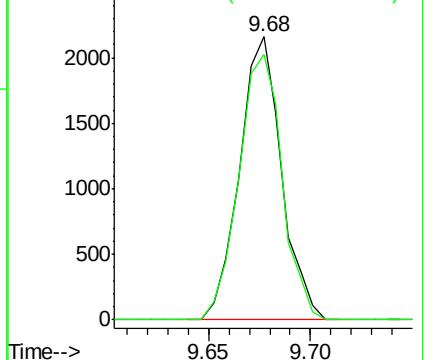
107 100

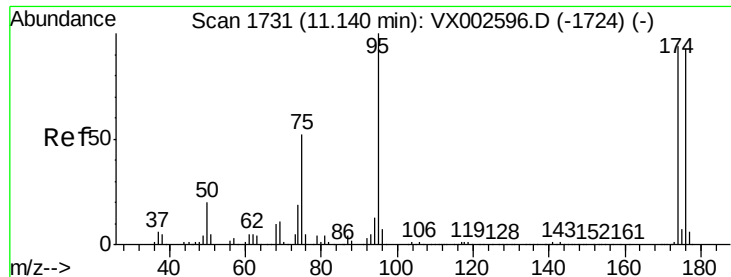
109 96.8 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





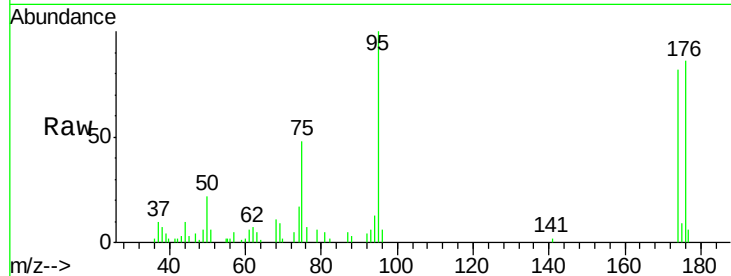
#62
4-Bromofluorobenzene
Concen: 1.03 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002593.D
Acq: 15 Jun 2018 11:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
95	100		
174	89.4	0.0	187.4
176	85.4	0.0	181.0

Manual Integrations
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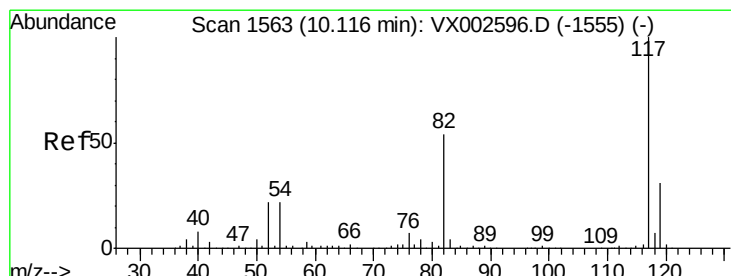
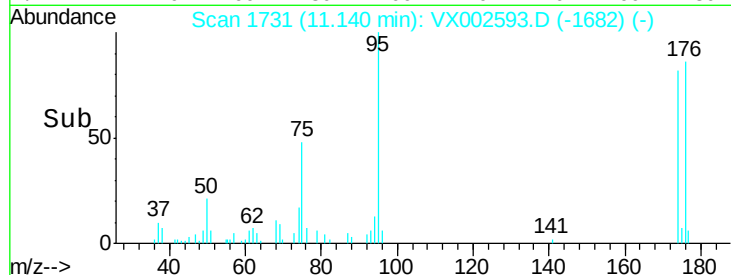
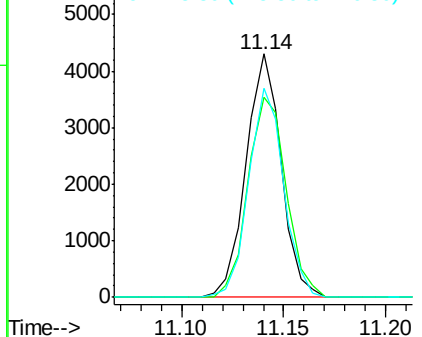
MMDadoda
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Abundance Ion 94.90 (94.60 to 95.60): VX002593.D (-1682) (-)

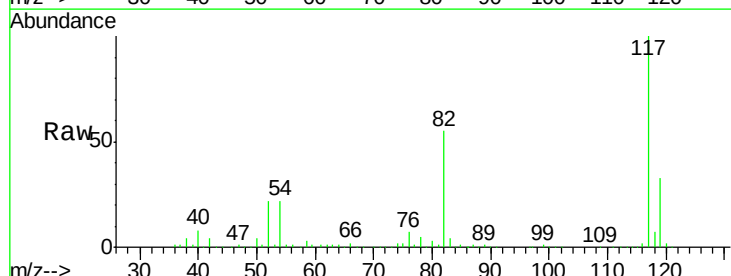
Ion 173.80 (173.50 to 174.50): VX002593.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX002593.D (-1682) (-)



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002593.D
Acq: 15 Jun 2018 11:36

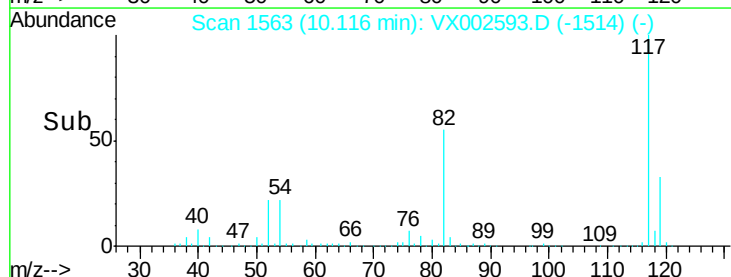
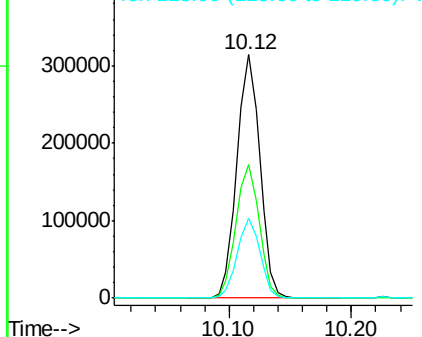
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.8	45.0	67.4
119	32.7	25.8	38.6

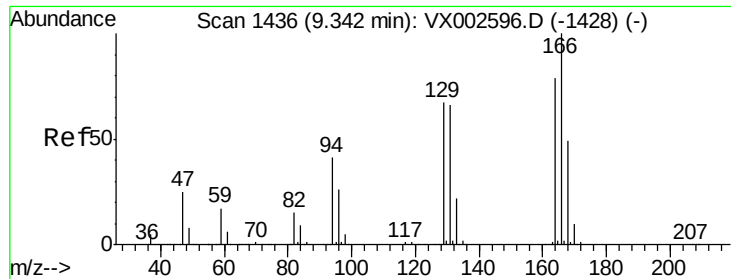


Abundance Ion 116.90 (116.60 to 117.60): VX002593.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX002593.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX002593.D (-1514) (-)





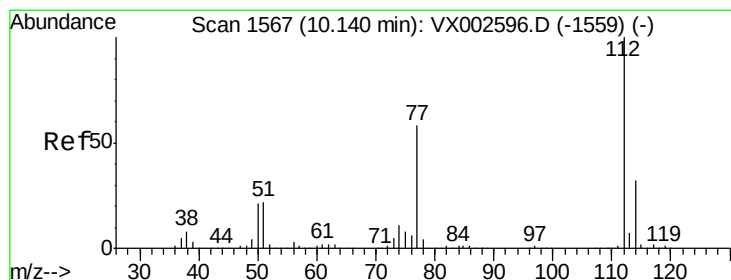
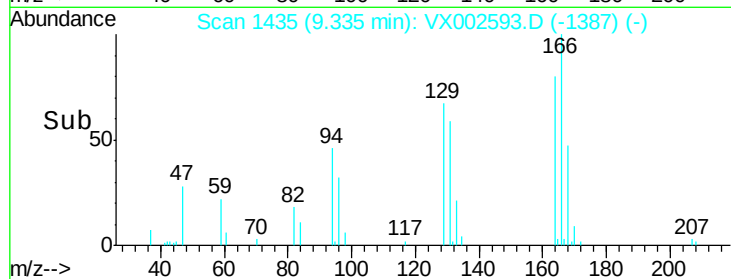
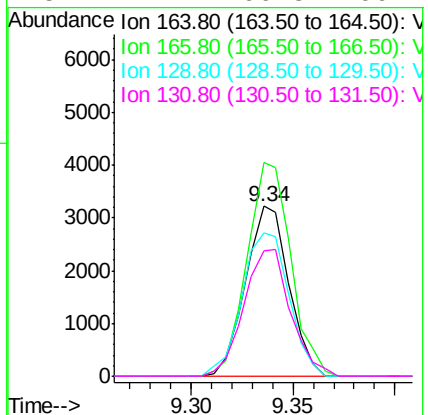
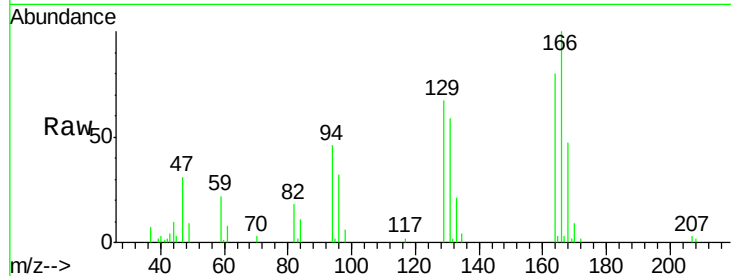
#64
Tetrachloroethene
Concen: 1.05 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002593.D
Acq: 15 Jun 2018 11:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:	164	Resp:	4754
Ion	Ratio	Lower	Upper
164	100		
166	125.7	102.9	154.3
129	84.1	68.6	102.8
131	74.1	66.8	100.2

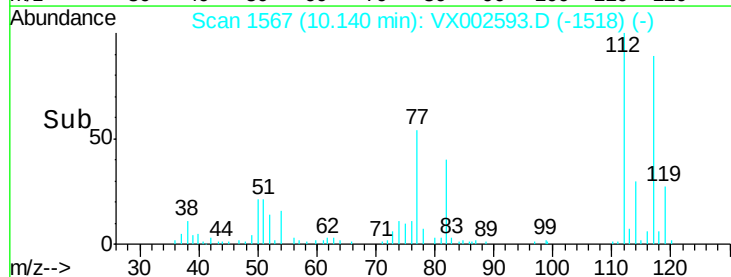
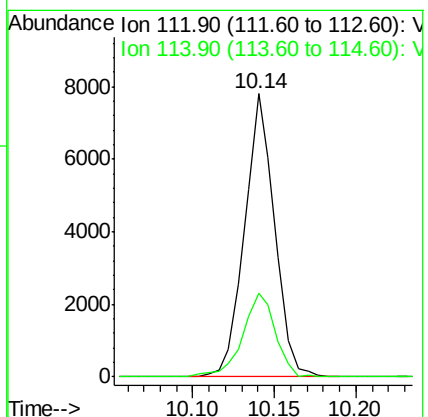
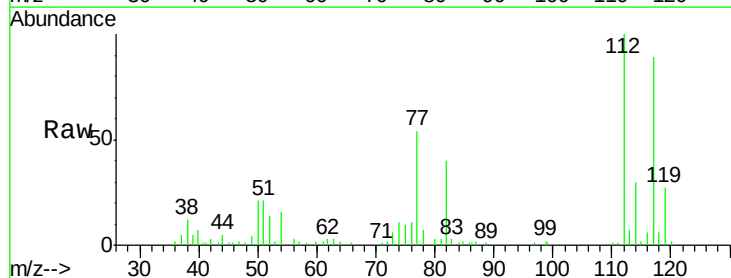
Manual Integrations
APPROVED

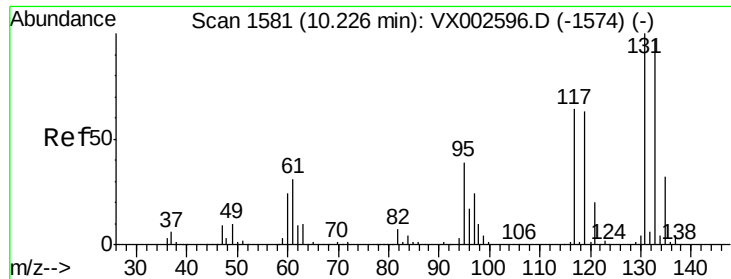
MMDadoda
6/18/2018 5:11:56 PM



#65
Chlorobenzene
Concen: 1.00 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002593.D
Acq: 15 Jun 2018 11:36

Tgt Ion:	112	Resp:	9991
Ion	Ratio	Lower	Upper
112	100		
114	29.6	25.3	37.9





#66

1,1,1,2-Tetrachloroethane

Concen: 0.83 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_X

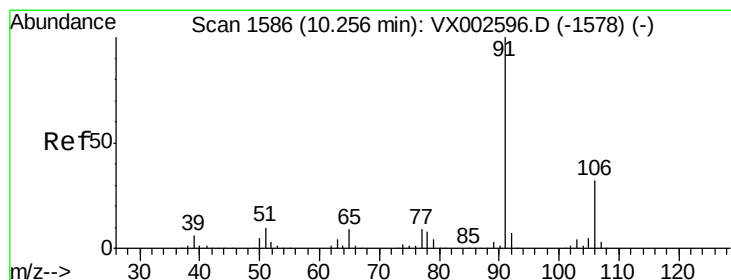
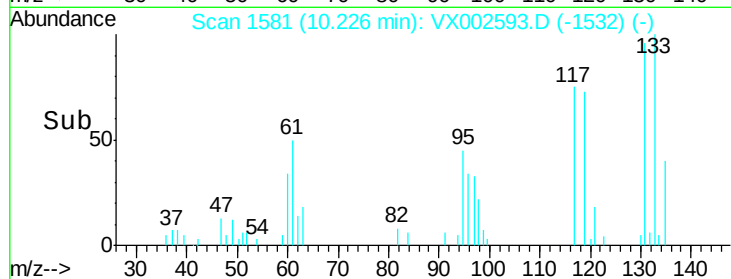
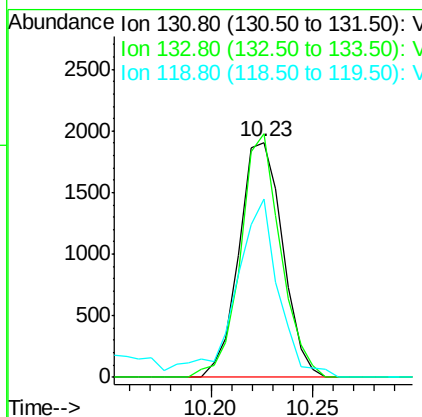
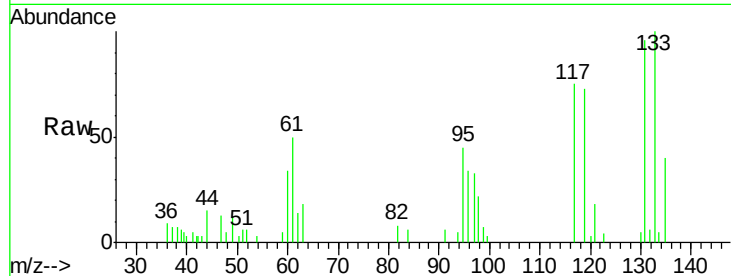
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.9	143.6
119	0.0	31.8	95.3#

Manual Integrations
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#67

Ethyl Benzene

Concen: 0.93 ug/l

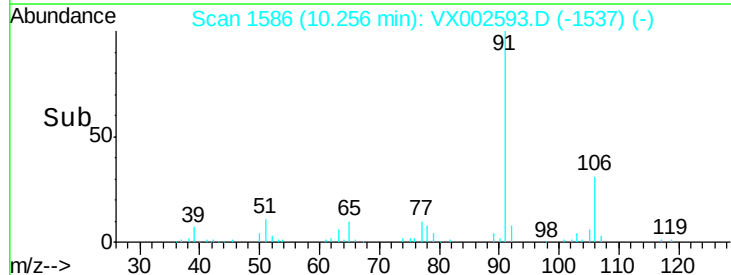
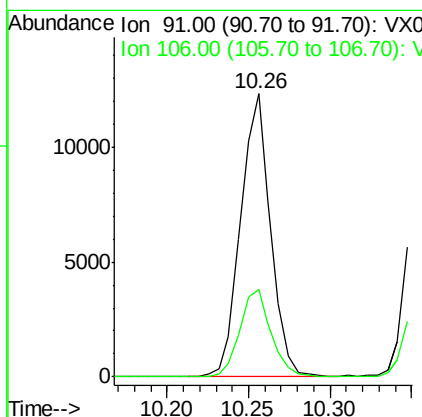
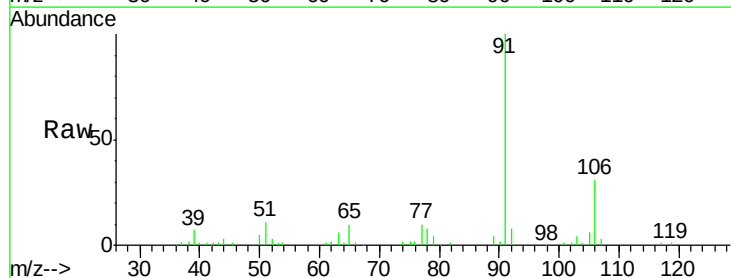
RT: 10.26 min Scan# 1586

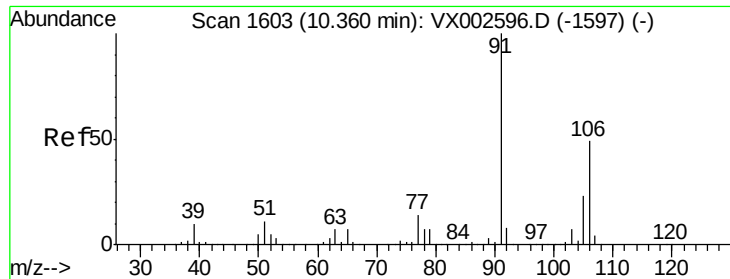
Delta R.T. -0.00 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.0	25.5	38.3





#68

m/p-Xylenes

Concen: 1.87 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion:106 Resp: 12149

Ion Ratio Lower Upper

106 100

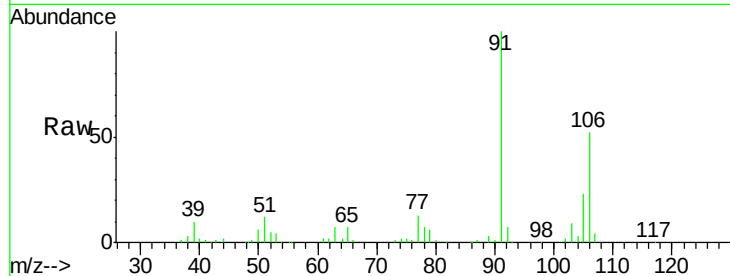
91 202.7 163.4 245.2

Manual Integrations

APPROVED

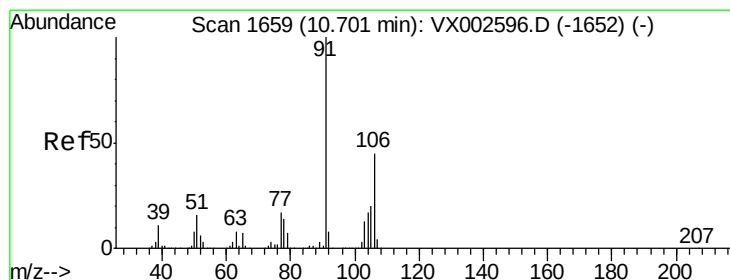
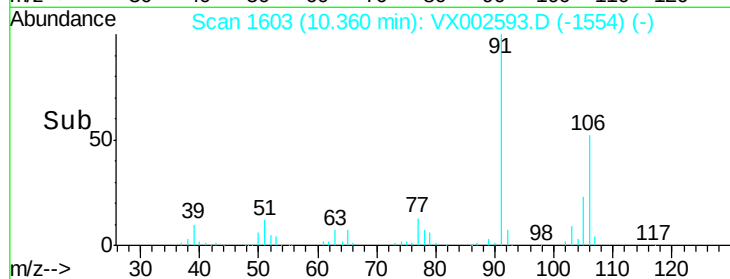
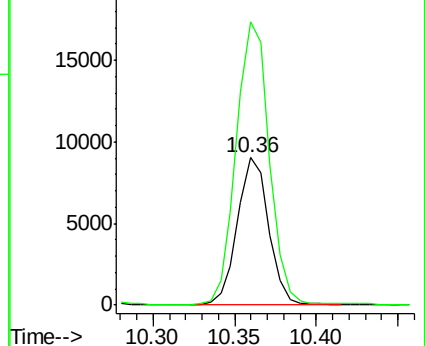
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 0.92 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX002593.D

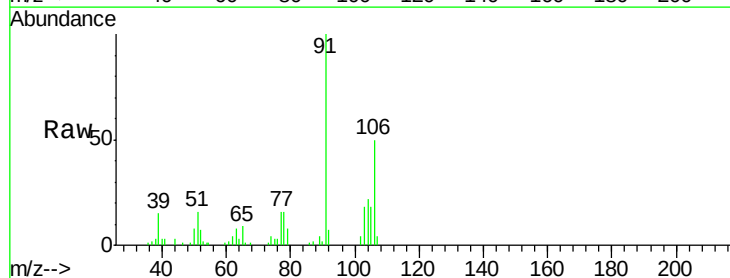
Acq: 15 Jun 2018 11:36

Tgt Ion:106 Resp: 5903

Ion Ratio Lower Upper

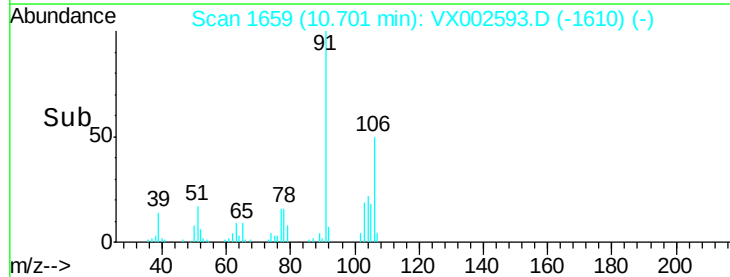
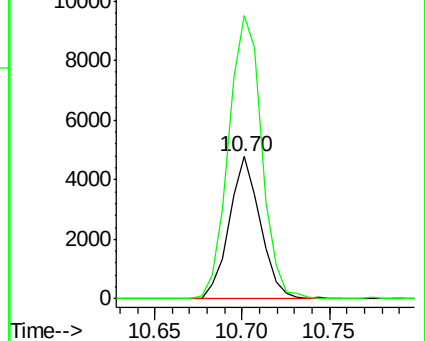
106 100

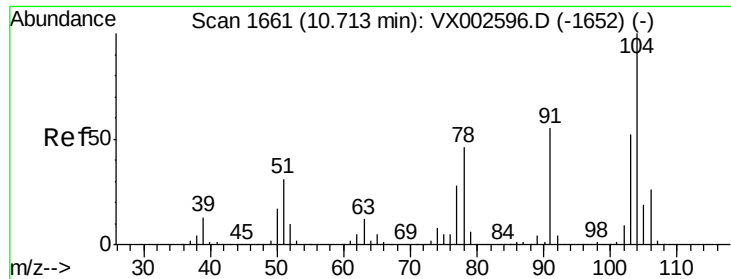
91 211.5 108.2 324.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





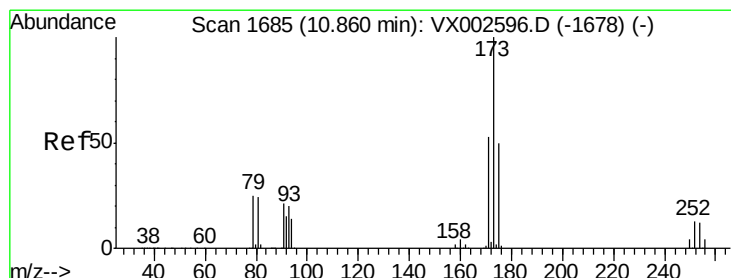
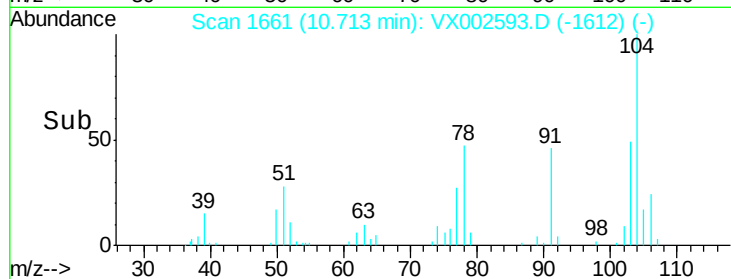
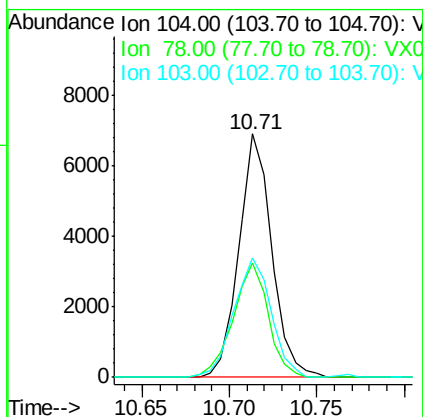
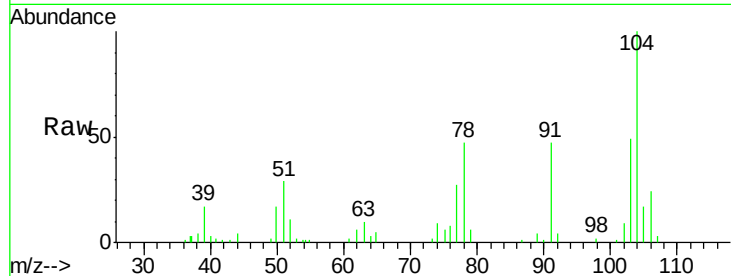
#70
Stvrene
Concen: 0.86 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002593.D
Acq: 15 Jun 2018 11:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.8	41.0	61.6
103	55.6	44.2	66.4

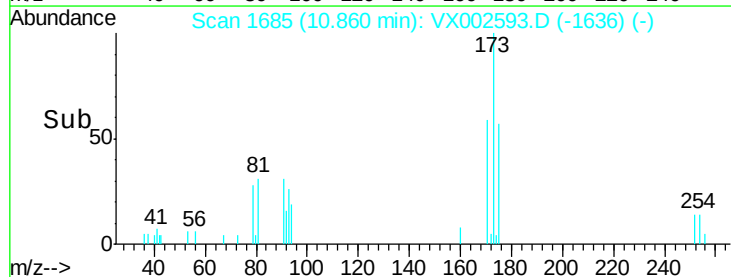
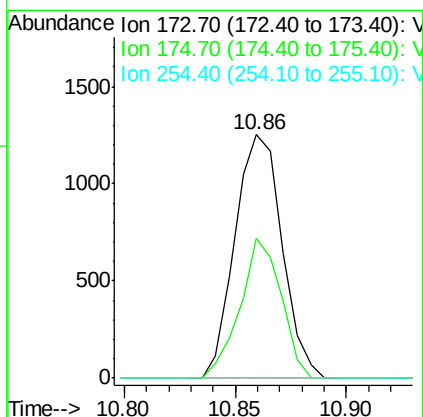
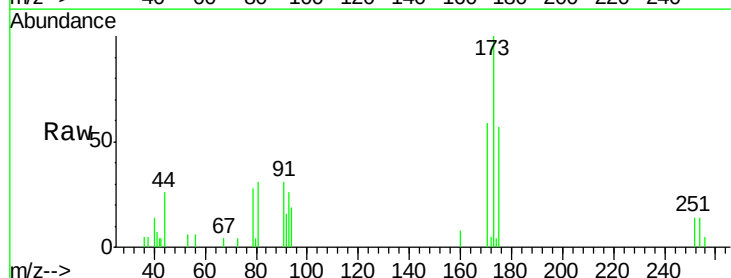
Manual Integrations
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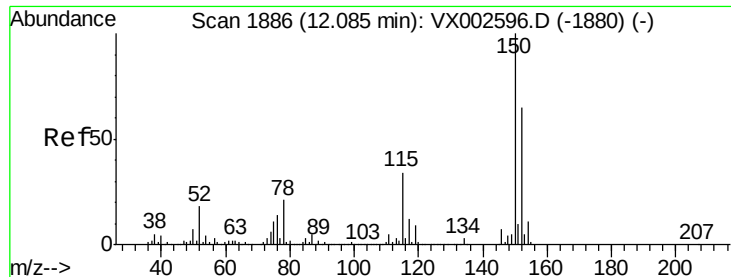
MMDadoda
6/18/2018 5:11:56 PM



#71
Bromoform
Concen: 5.38 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002593.D
Acq: 15 Jun 2018 11:36

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.1	24.7	74.1
254	0.0	0.2	0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:152 Resp: 238843

Ion Ratio Lower Upper

152 100

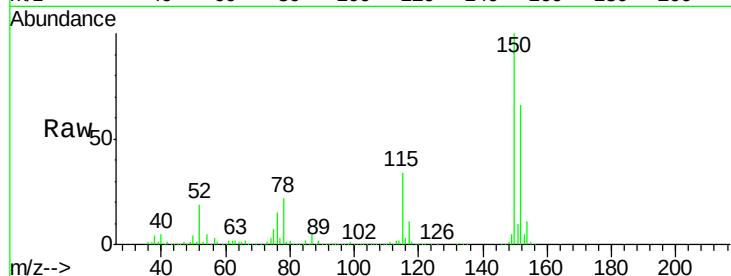
115 55.4 40.1 120.2

150 154.6 0.0 347.2

Manual Integrations
APPROVED

MMDadoda

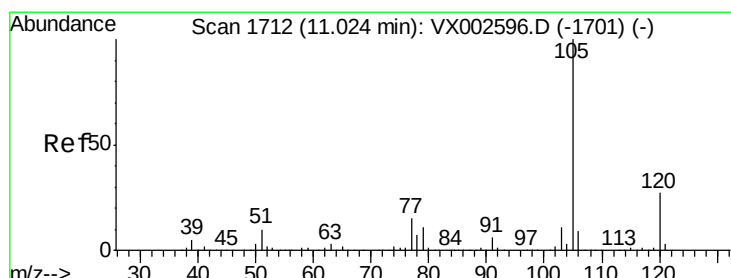
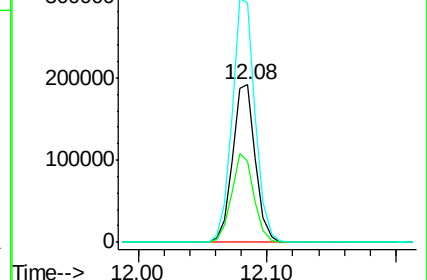
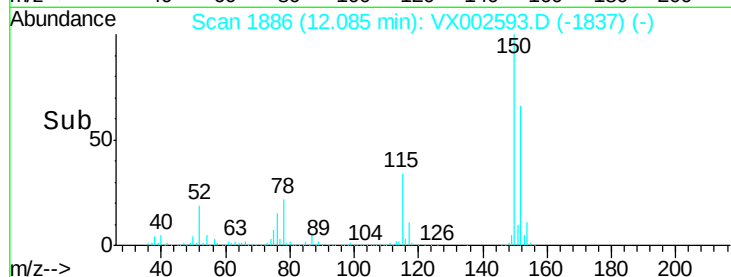
6/18/2018 5:11:56 PM



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: 0.94 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX002593.D

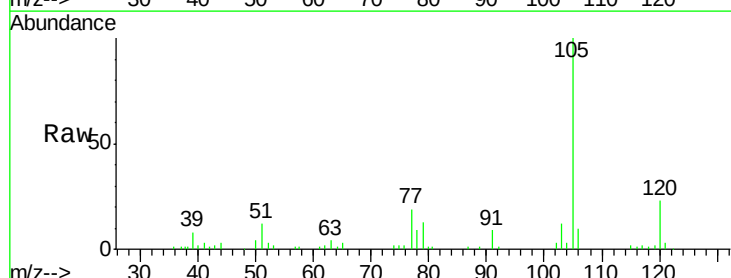
Acq: 15 Jun 2018 11:36

Tgt Ion:105 Resp: 14996

Ion Ratio Lower Upper

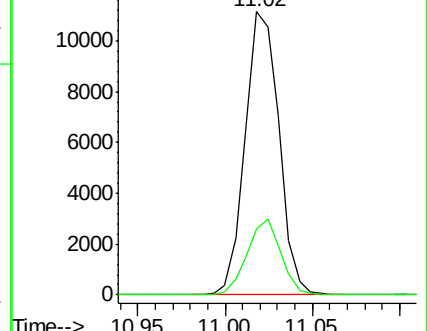
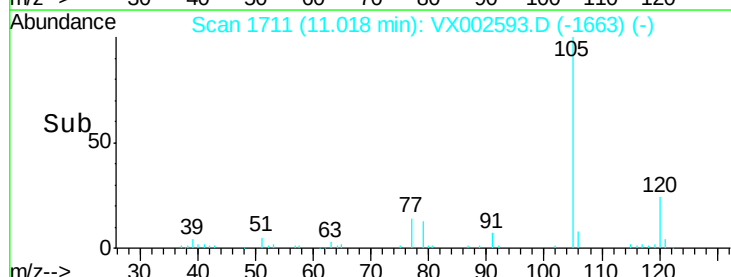
105 100

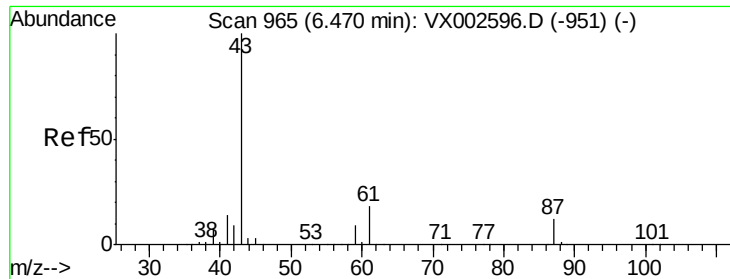
120 26.6 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.06 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_X

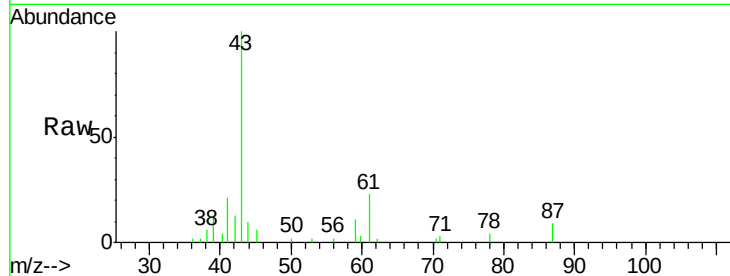
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	8376
Ion	Ratio	Lower	Upper
43	100		
70	0.5	0.0	0.0#
55	0.0	0.0	0.0
61	18.1	14.4	21.6

Manual Integrations
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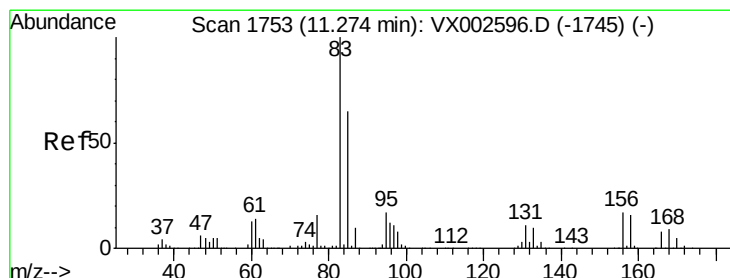
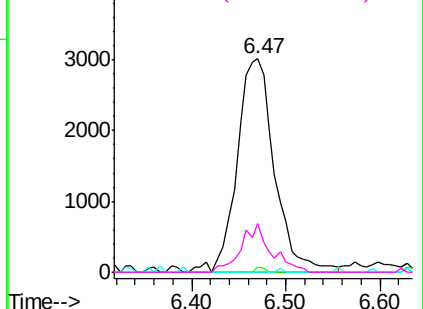
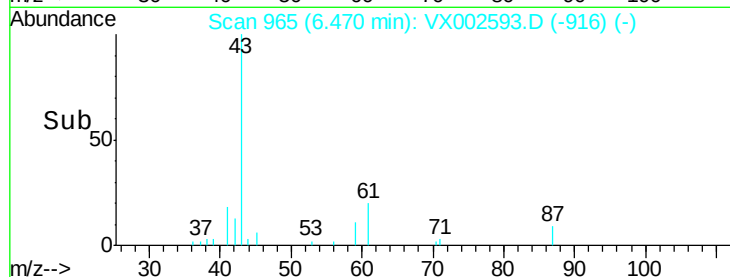


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.95 ug/l

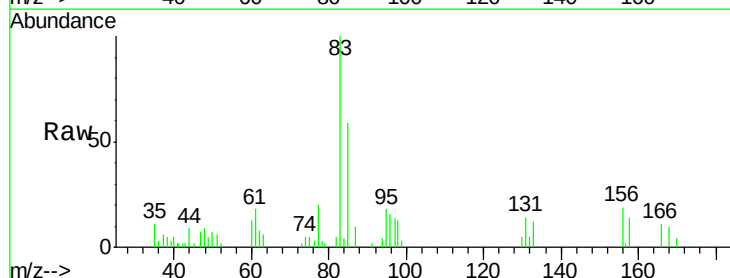
RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

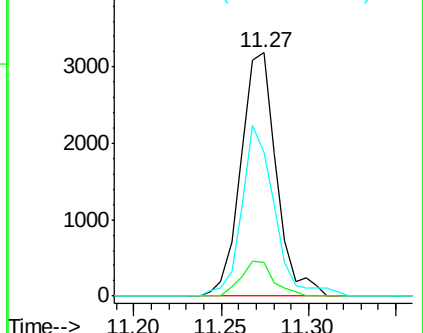
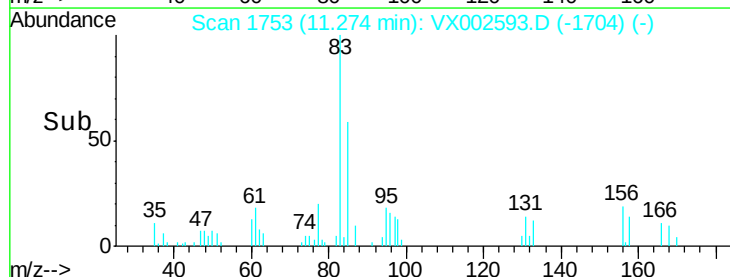
Tgt Ion:	83	Resp:	4496
Ion	Ratio	Lower	Upper
83	100		
131	13.0	5.6	16.8
85	64.7	32.4	97.2

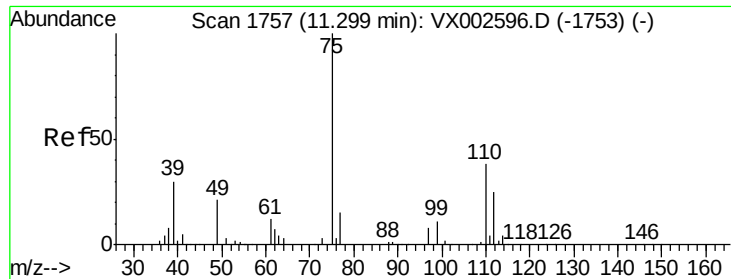


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 1.03 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 75 Resp: 4658

Ion Ratio Lower Upper

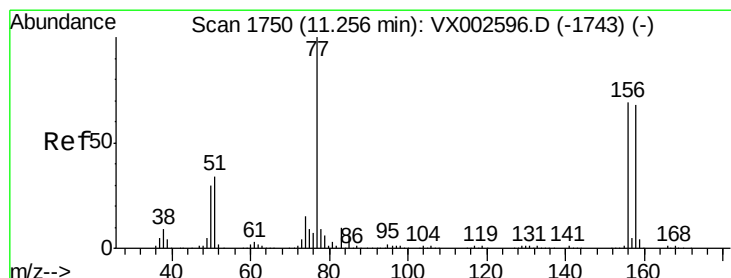
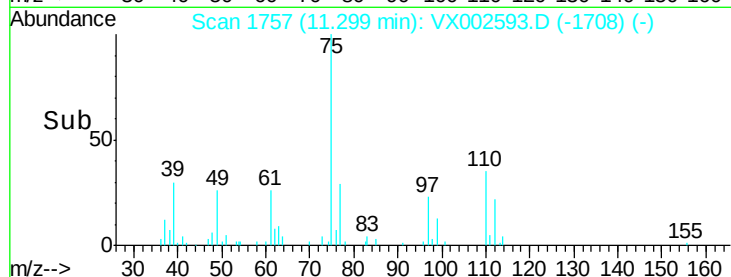
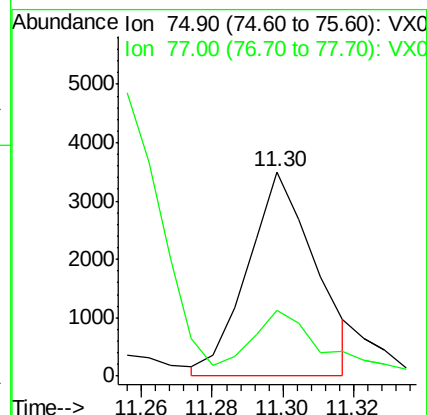
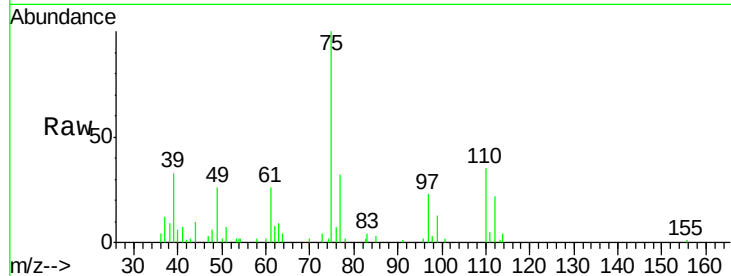
75 100

77 35.6 22.8 68.3

Manual Integrations
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#77

Bromobenzene

Concen: 0.98 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.01 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

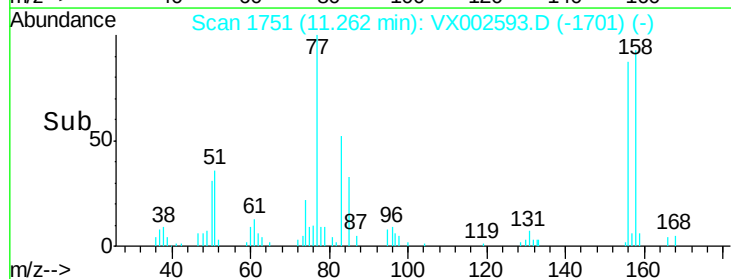
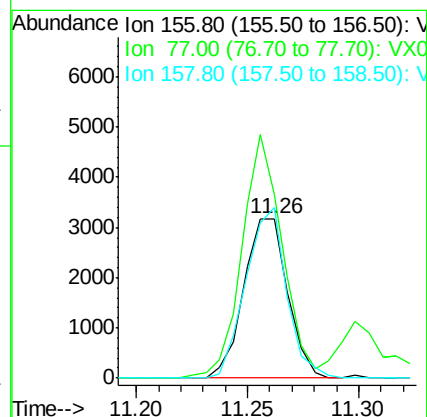
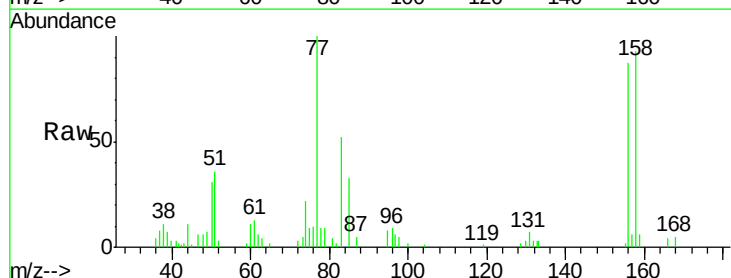
Tgt Ion: 156 Resp: 4365

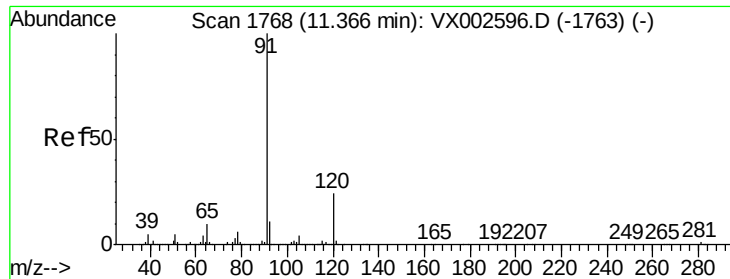
Ion Ratio Lower Upper

156 100

77 139.5 71.4 214.2

158 99.4 48.9 146.6





#78

n-propylbenzene

Concen: 0.93 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 17005

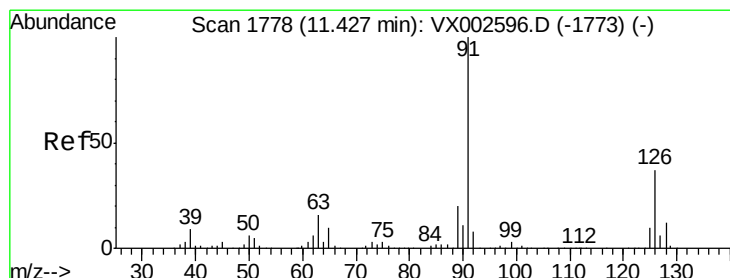
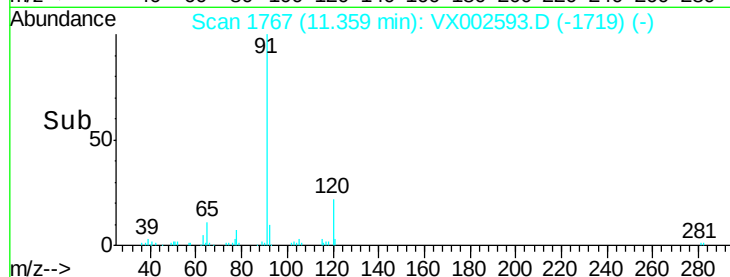
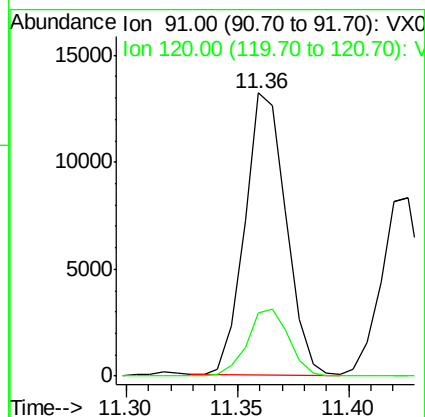
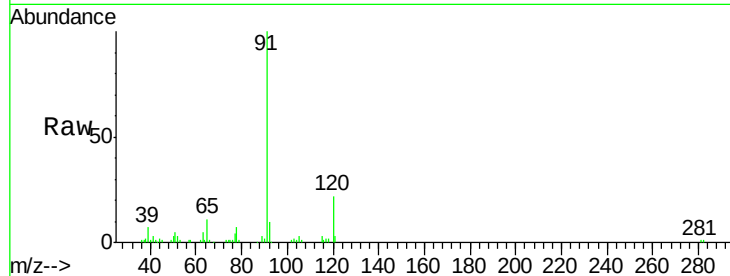
Ion Ratio Lower Upper

91 100

120 23.8 11.8 35.4

Manual Integrations
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#79

2-Chlorotoluene

Concen: 0.97 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002593.D

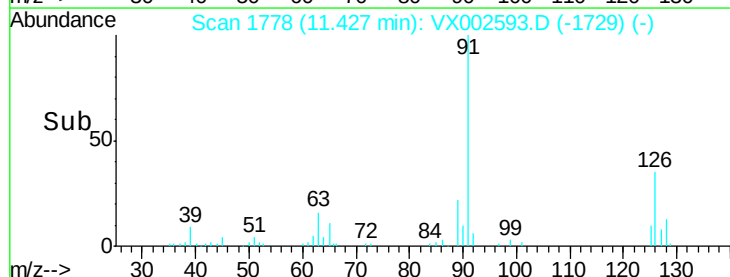
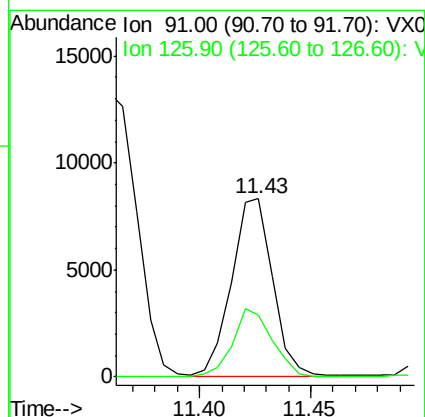
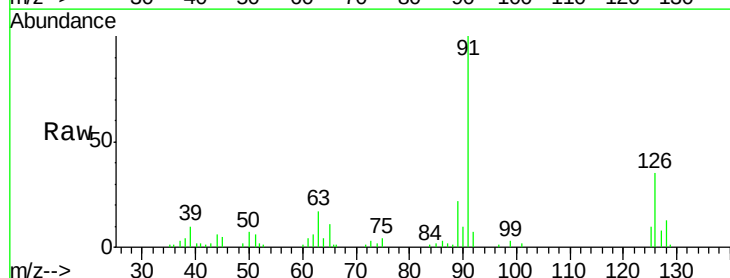
Acq: 15 Jun 2018 11:36

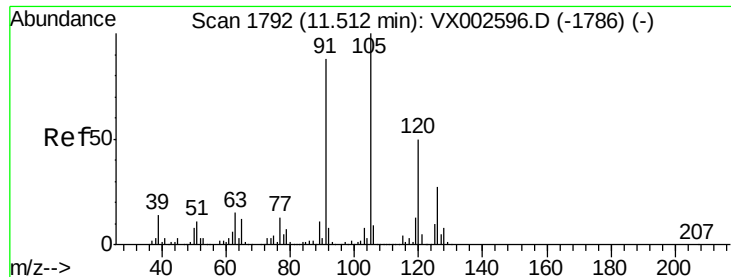
Tgt Ion: 91 Resp: 10646

Ion Ratio Lower Upper

91 100

126 37.2 17.7 53.1





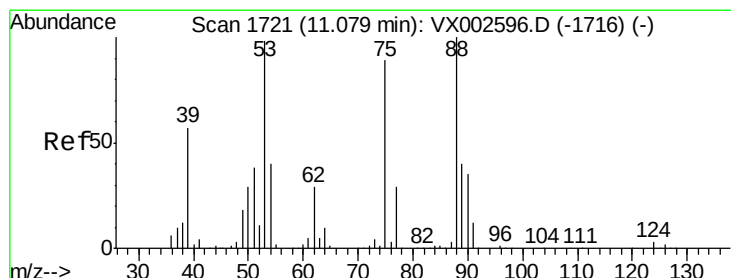
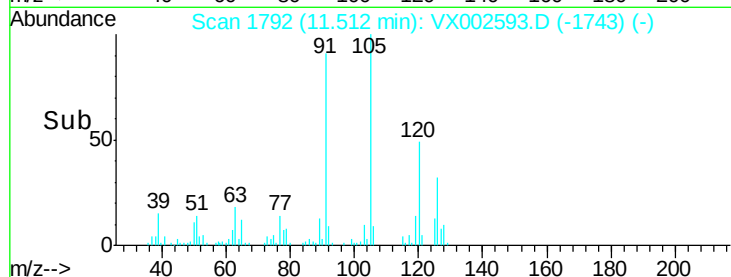
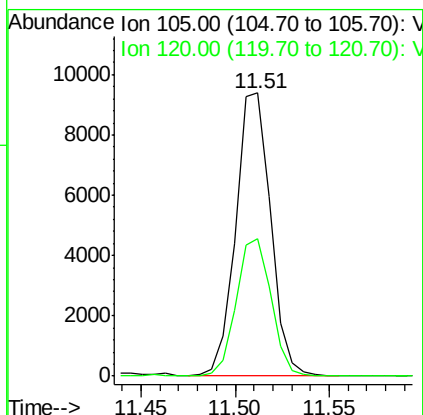
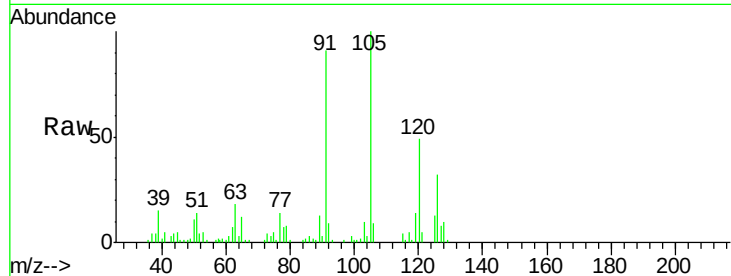
#80
 1,3,5-Trimethylbenzene
 Concen: 0.90 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX002593.D
 Acq: 15 Jun 2018 11:36

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.2	24.4	73.4

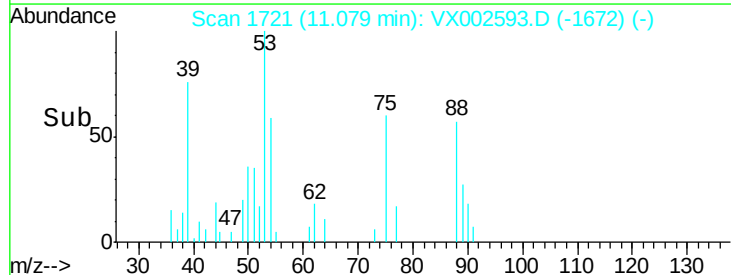
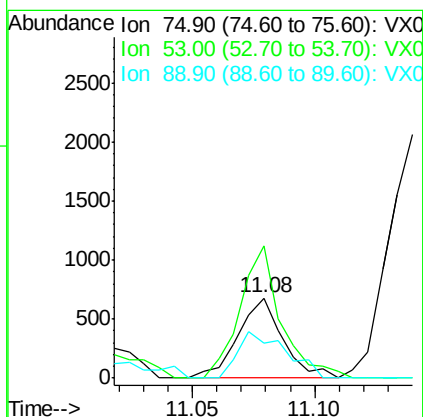
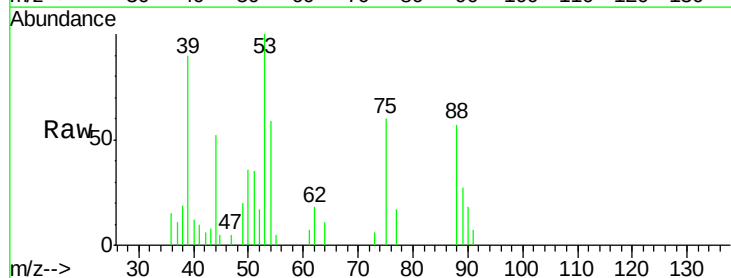
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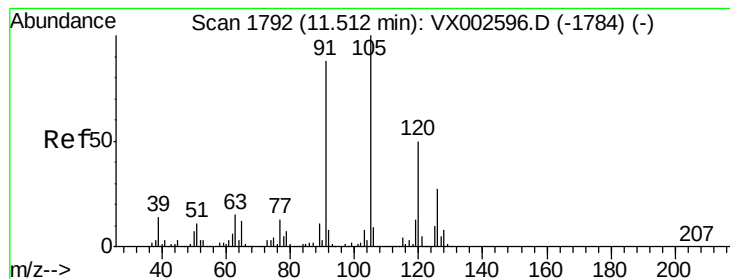
MMDadoda
 6/18/2018 5:11:56 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 4.75 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX002593.D
 Acq: 15 Jun 2018 11:36

Tgt Ion	Ratio	Lower	Upper
75	100		
53	150.7	86.8	130.2#
89	61.9	38.2	57.2#





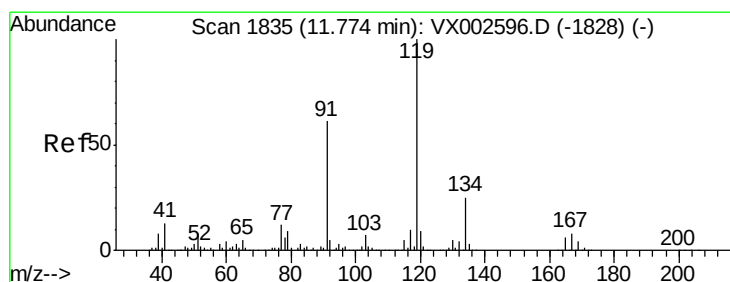
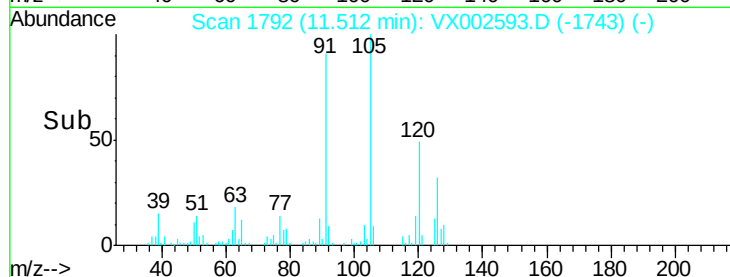
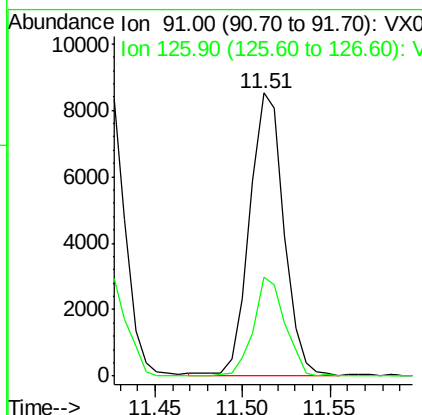
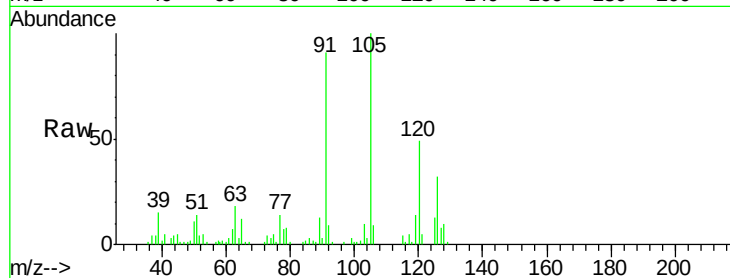
#82
4-Chlorotoluene
Concen: 0.90 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002593.D
Acq: 15 Jun 2018 11:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.4	46.4

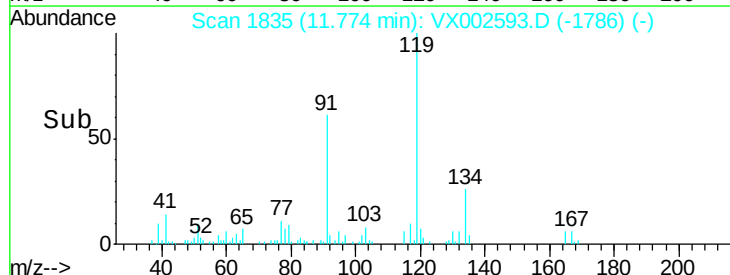
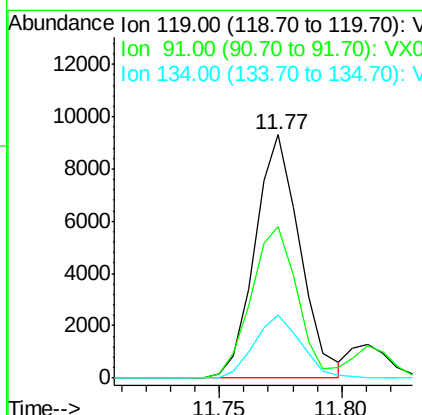
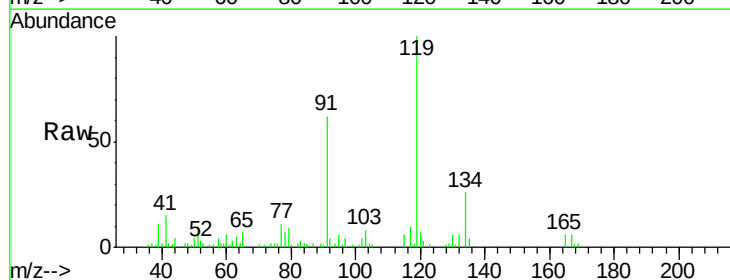
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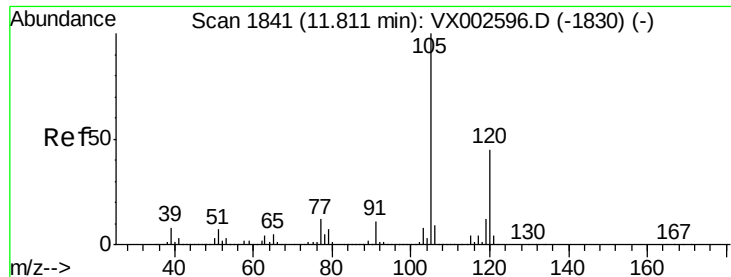
MMDadoda
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#83
tert-Butylbenzene
Concen: 0.91 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002593.D
Acq: 15 Jun 2018 11:36

Tgt Ion	Ratio	Lower	Upper
119	100		
91	64.2	30.3	90.9
134	26.8	11.7	35.1





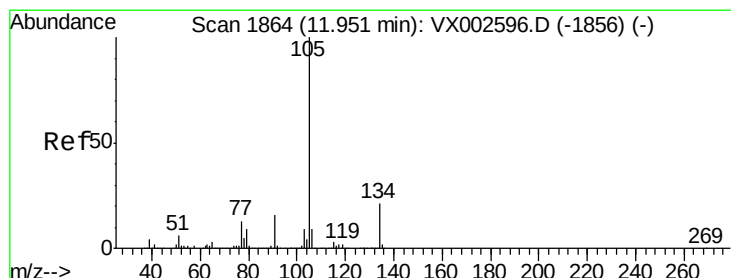
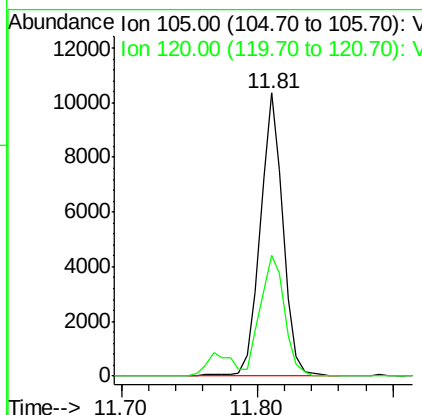
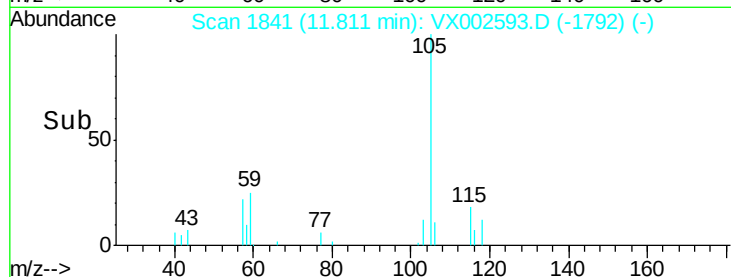
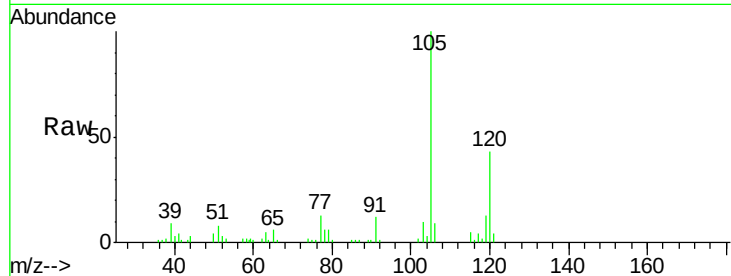
#84
 1,2,4-Trimethylbenzene
 Concen: 0.89 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002593.D
 Acq: 15 Jun 2018 11:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.3	66.8

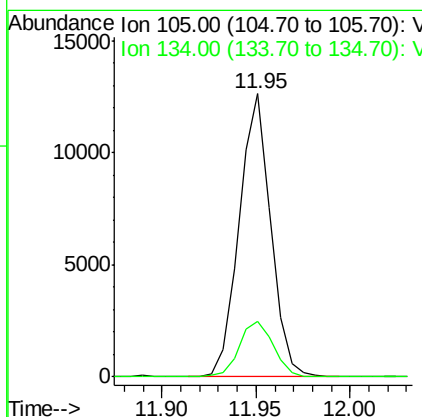
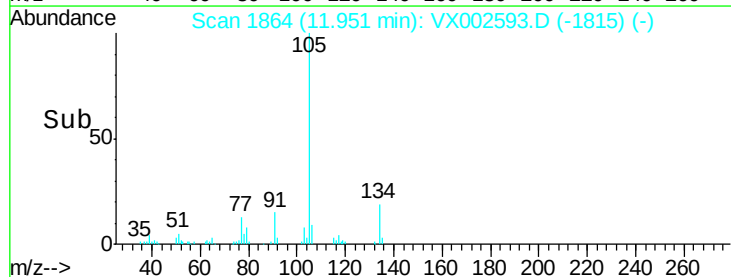
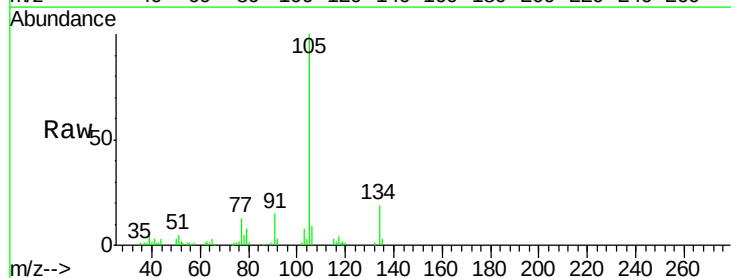
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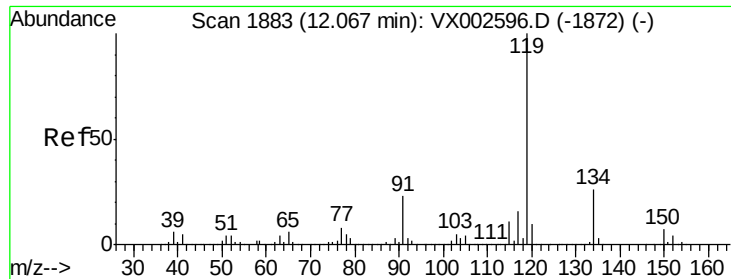
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 6/18/2018 5:11:56 PM



#85
 sec-Butylbenzene
 Concen: 0.91 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX002593.D
 Acq: 15 Jun 2018 11:36

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.4	31.1





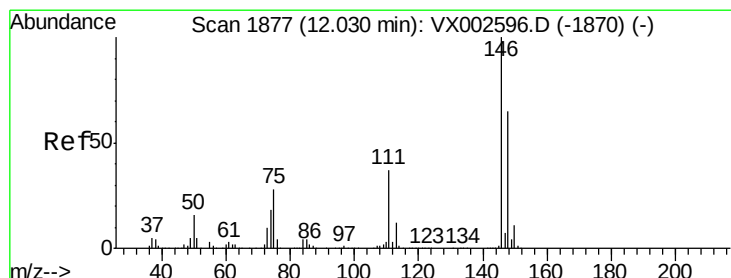
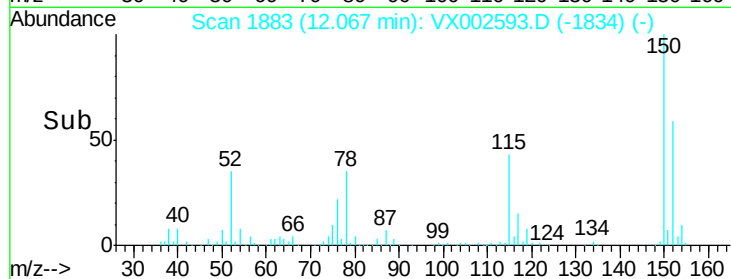
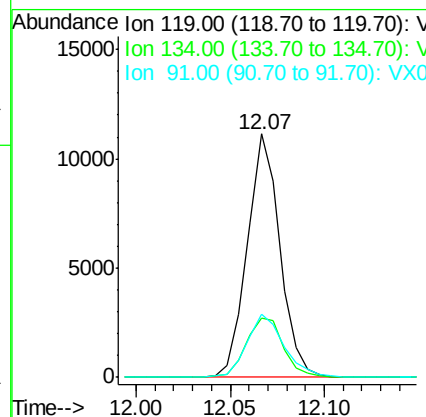
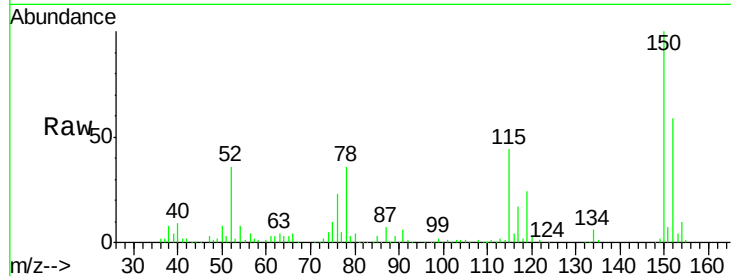
#86
 p-Isopropyltoluene
 Concen: 0.92 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX002593.D
 Acq: 15 Jun 2018 11:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	13392		
134	27.7	13.4	40.1	
91	29.7	11.9	35.7	

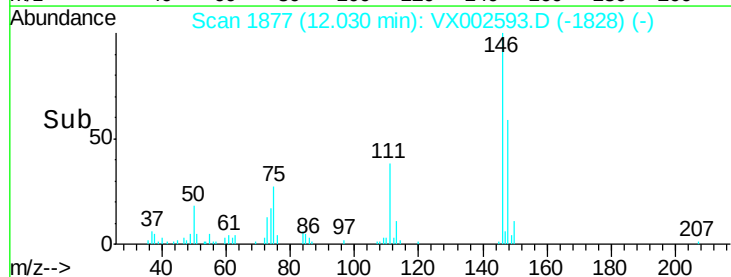
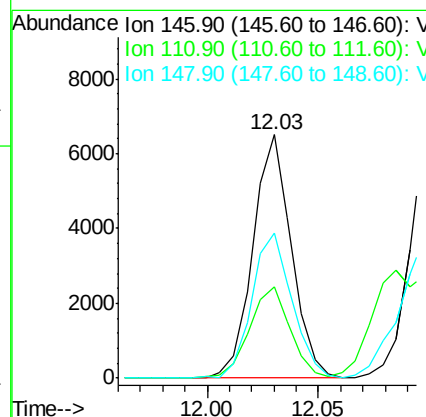
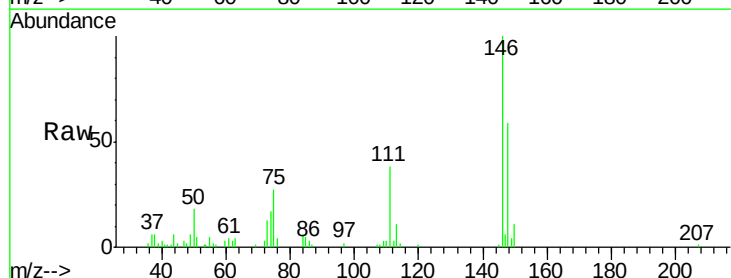
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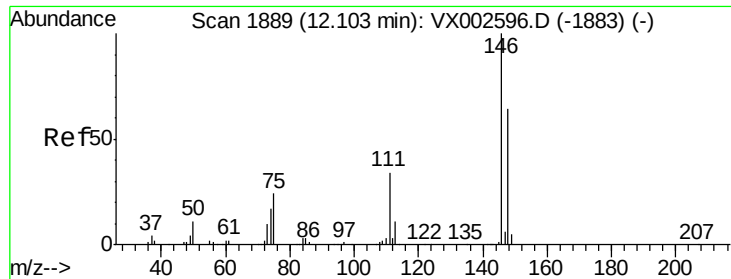
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#87
 1,3-Dichlorobenzene
 Concen: 0.95 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002593.D
 Acq: 15 Jun 2018 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	7833		
111	40.0	18.9	56.7	
148	62.3	32.1	96.3	





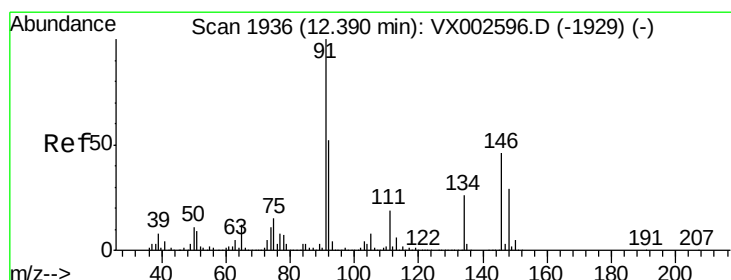
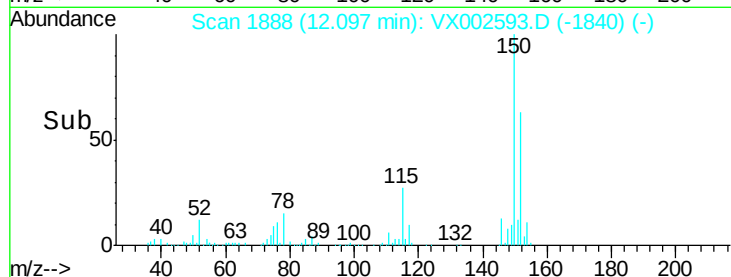
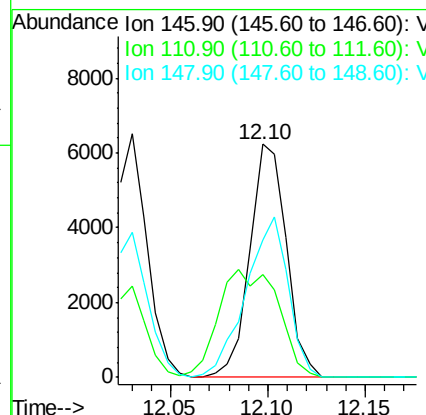
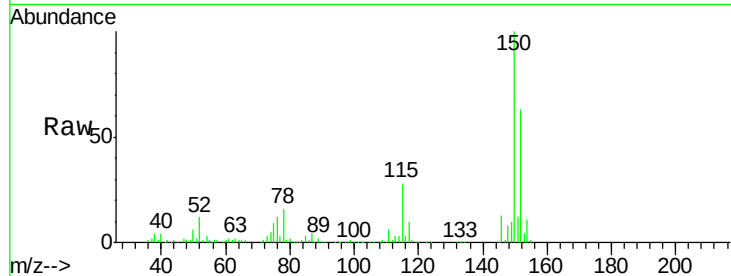
#88
 1,4-Dichlorobenzene
 Concen: 0.99 ug/l m
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX002593.D
 Acq: 15 Jun 2018 11:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.7	56.1
148	59.9	32.4	97.0

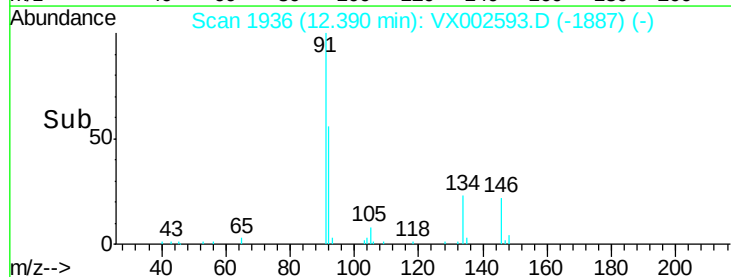
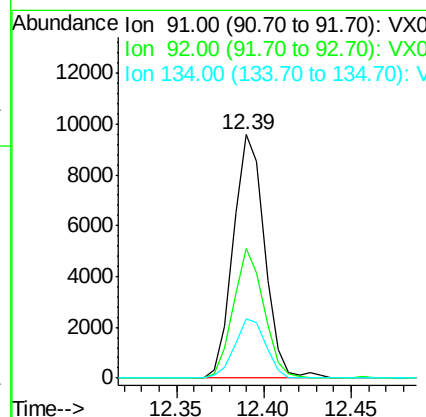
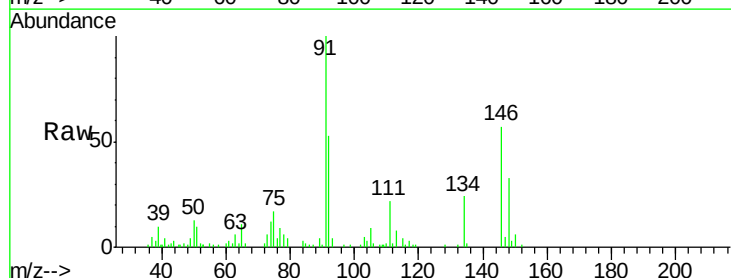
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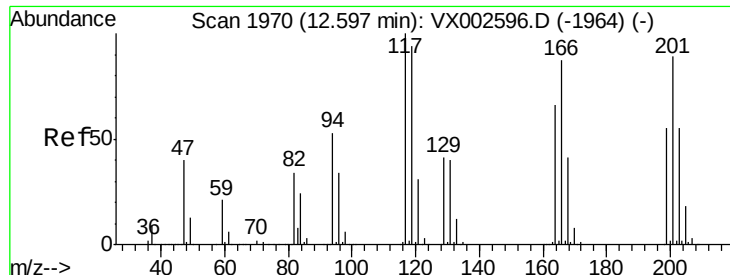
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#89
 n-Butylbenzene
 Concen: 0.92 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX002593.D
 Acq: 15 Jun 2018 11:36

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.0	78.0
134	24.1	13.5	40.5





#90

Hexachloroethane

Concen: 3.28 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:117 Resp: 1582

Ion Ratio Lower Upper

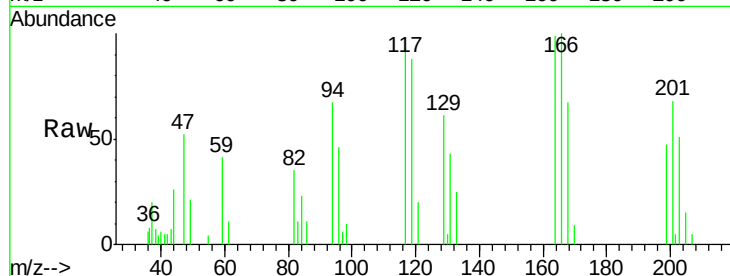
117 100

201 87.5 49.0 147.0

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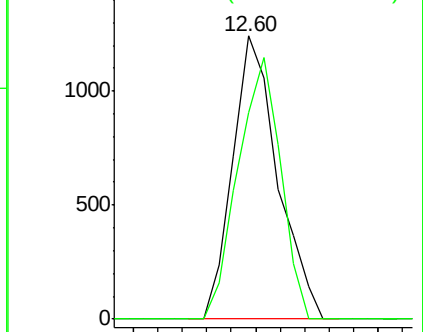
MMDadoda

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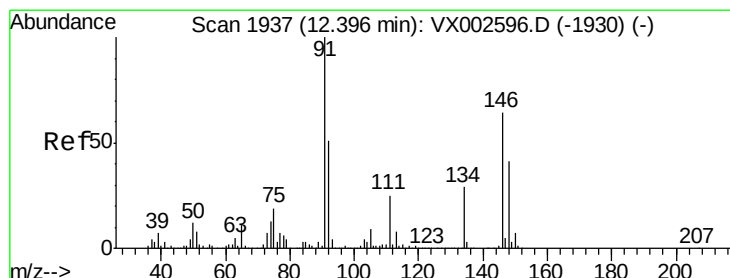
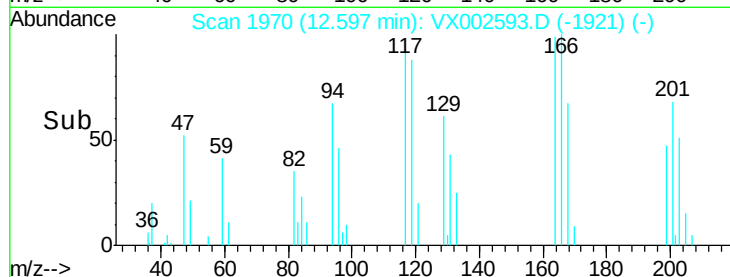


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



Time--> 12.55 12.60 12.65



#91

1,2-Dichlorobenzene

Concen: 0.98 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

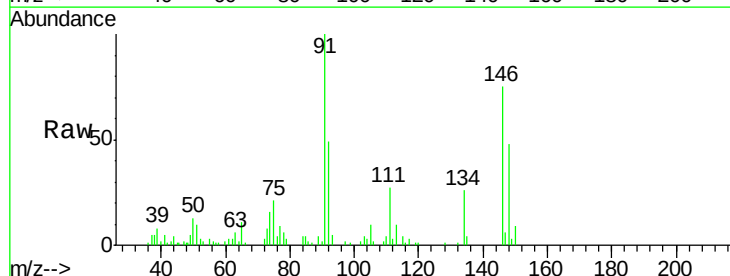
Tgt Ion:146 Resp: 8083

Ion Ratio Lower Upper

146 100

111 36.4 19.4 58.1

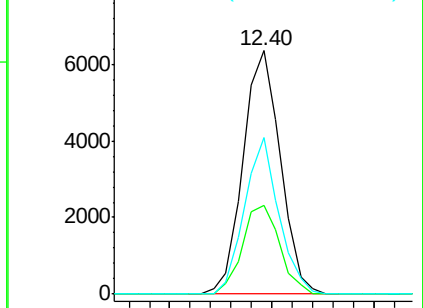
148 59.0 31.7 95.1



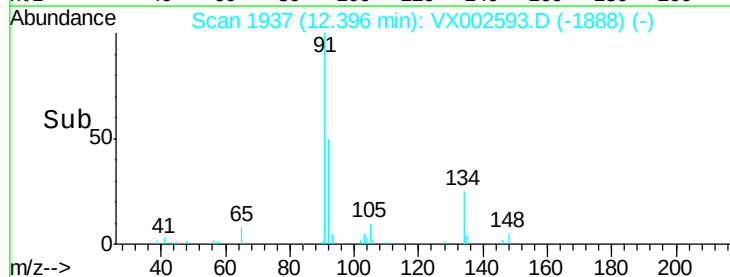
Abundance Ion 145.90 (145.60 to 146.60): V

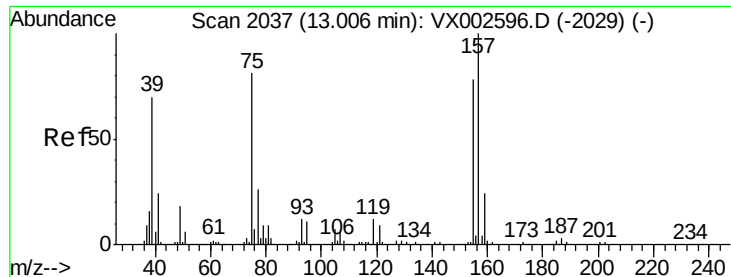
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time--> 12.35 12.40 12.45





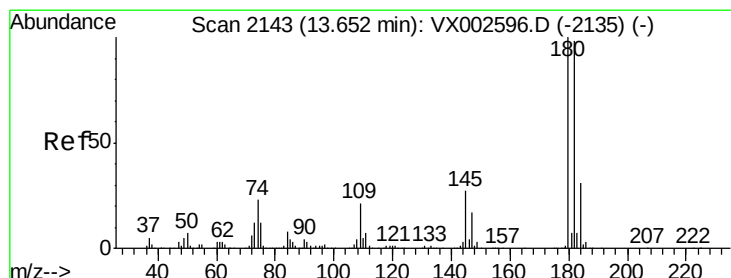
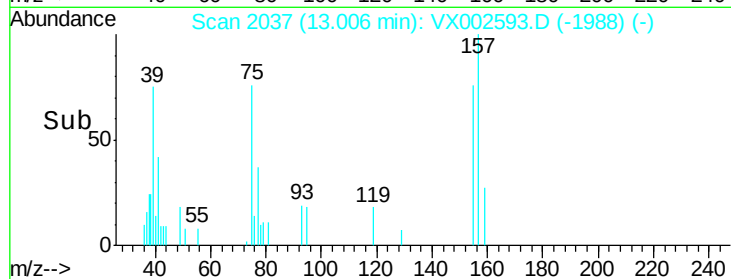
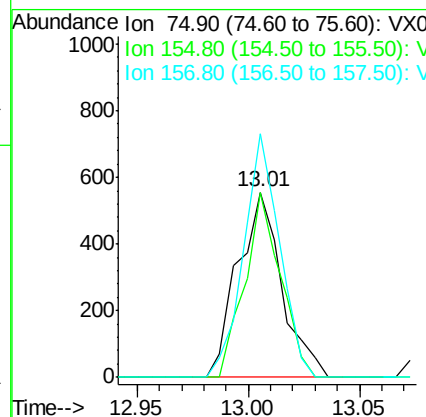
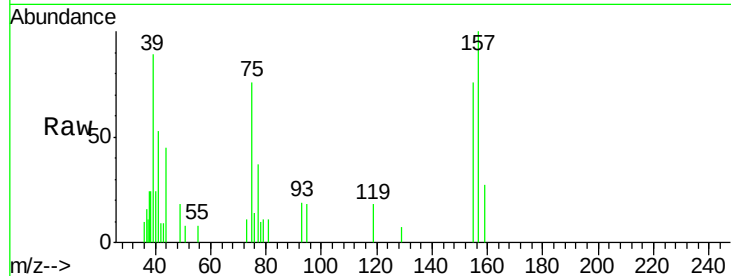
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.77 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002593.D
 Acq: 15 Jun 2018 11:36

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
155	81.3	45.8	137.4
157	107.9	60.1	180.3

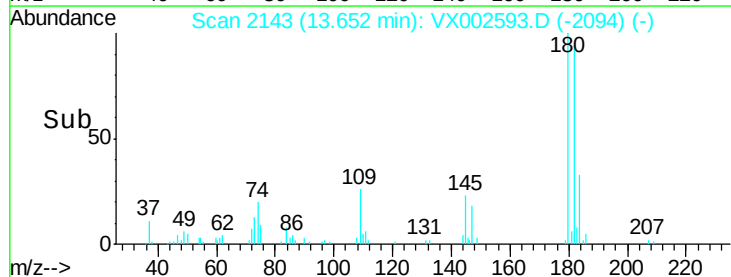
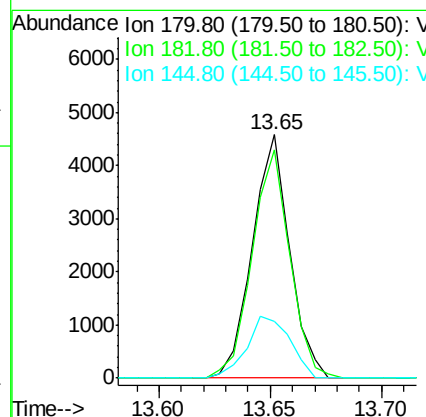
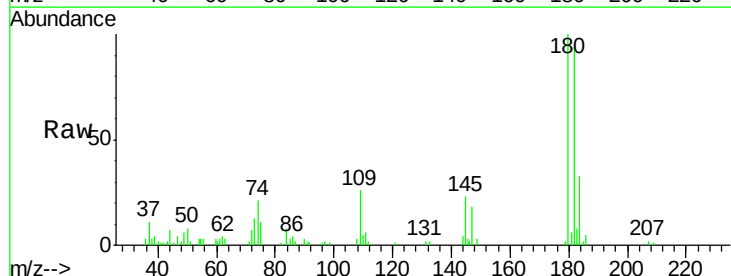
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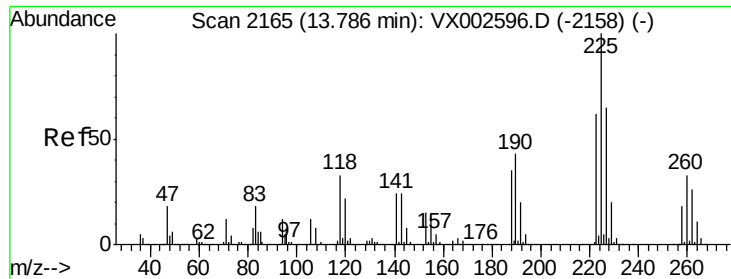
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#93
 1,2,4-Trichlorobenzene
 Concen: 0.90 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002593.D
 Acq: 15 Jun 2018 11:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.7	143.1
145	29.1	14.1	42.4





#94

Hexachlorobutadiene

Concen: 0.98 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX002593.D

Acq: 15 Jun 2018 11:36

Instrument :

MSVOA_X

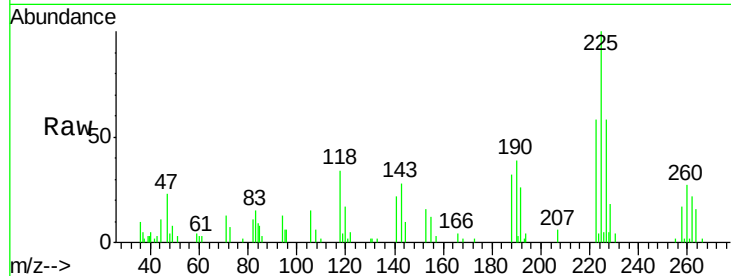
ClientSampleId :

VSTDIC001

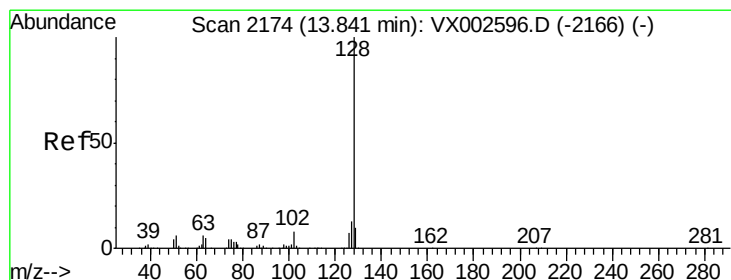
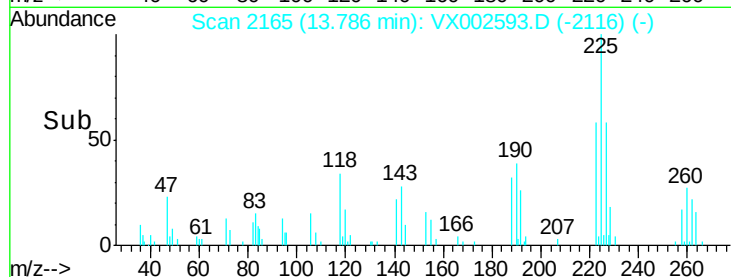
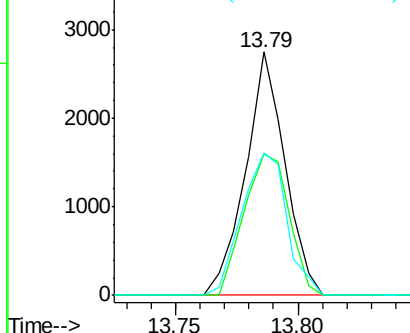
Tot Ion:	225	Resp:	3087
Ion Ratio		Lower	Upper
225	100		
223	65.9	31.6	95.0
227	66.3	32.4	97.2

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



#95

Naphthalene

Concen: 0.82 ug/l

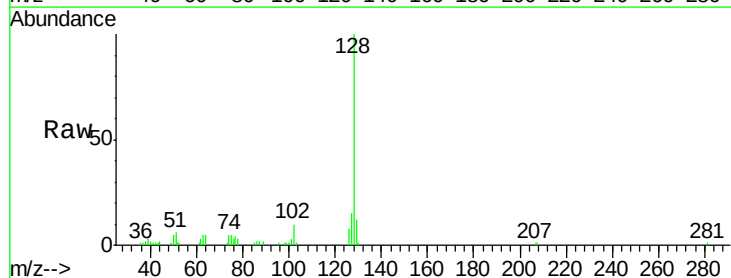
RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

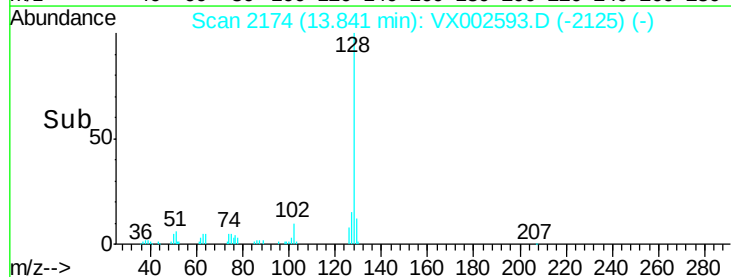
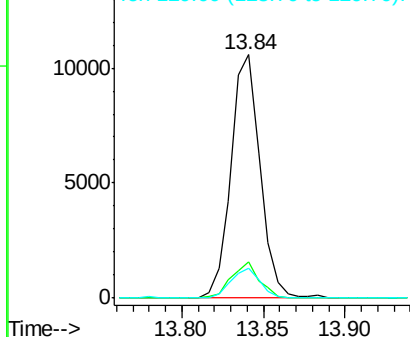
Lab File: VX002593.D

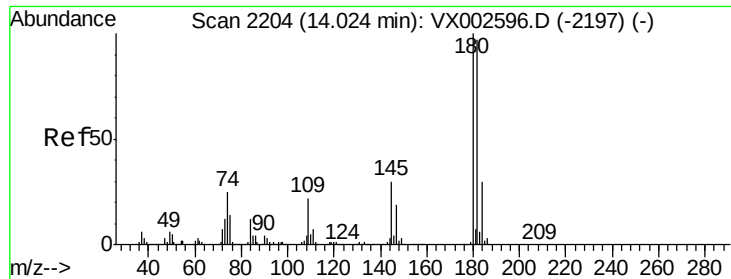
Acq: 15 Jun 2018 11:36

Tgt Ion:	128	Resp:	13119
Ion Ratio		Lower	Upper
128	100		
127	13.9	10.4	15.6
129	12.1	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.92 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX002593.D
 Acq: 15 Jun 2018 11:36

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
180	100	5479		
182	93.3		48.0	144.0
145	30.1		14.8	44.3

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