

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002595.D
 Acq On : 15 Jun 2018 12:28
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 5:11:58 PM

Quant Time: Jun 15 13:24:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 15 13:16:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	232482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	339671	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	320554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199504	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	68219	18.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.74%	
35) Dibromofluoromethane	5.51	113	52224	19.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.10%	
50) Toluene-d8	8.72	98	200627	19.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.20%	
62) 4-Bromofluorobenzene	11.14	95	73486	18.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	49117	20.32	ug/l	97
3) Chloromethane	1.32	50	58950	18.54	ug/l	99
4) Vinyl Chloride	1.40	62	63586	20.88	ug/l	97
5) Bromomethane	1.64	94	35171	14.53	ug/l	99
6) Chloroethane	1.73	64	41587	21.11	ug/l	98
7) Trichlorofluoromethane	1.93	101	106976	23.05	ug/l	99
8) Diethyl Ether	2.19	74	38534	20.38	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	59209	23.64	ug/l	99
10) Methyl Iodide	2.51	142	63336	17.98	ug/l	99
11) Tert butyl alcohol	3.07	59	73780	99.04	ug/l	96
12) 1,1-Dichloroethene	2.37	96	54424	21.99	ug/l	99
13) Acrolein	2.29	56	34208	95.33	ug/l	97
14) Allyl chloride	2.73	41	105535	19.65	ug/l	98
15) Acrylonitrile	3.15	53	163310	102.99	ug/l	100
16) Acetone	2.45	43	156334	94.04	ug/l	99
17) Carbon Disulfide	2.57	76	122193	18.73	ug/l	98
18) Methyl Acetate	2.78	43	85488	21.80	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	198798	20.28	ug/l	99
20) Methylene Chloride	2.86	84	61795	18.71	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	57577	21.10	ug/l	97
22) Diisopropyl ether	3.87	45	182840	18.24	ug/l	93
23) Vinyl Acetate	3.83	43	765967	87.97	ug/l	100
24) 1,1-Dichloroethane	3.70	63	105205	19.82	ug/l	99
25) 2-Butanone	4.71	43	208678	91.55	ug/l	96
26) 2,2-Dichloropropane	4.59	77	71623	17.26	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	57586	19.40	ug/l	97
28) Bromochloromethane	5.03	49	47391	18.44	ug/l	99
29) Tetrahydrofuran	5.17	42	135835	92.43	ug/l	99
30) Chloroform	5.22	83	98835	19.29	ug/l	99
31) Cyclohexane	5.57	56	88313	21.04	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	84458	19.44	ug/l	99
36) 1,1-Dichloropropene	5.80	75	72653	20.35	ug/l	99
37) Ethyl Acetate	4.86	43	82700	19.26	ug/l	99
38) Carbon Tetrachloride	5.79	117	72491	19.40	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	87194	21.42	ug/l	98
40) Benzene	6.15	78	217247	19.84	ug/l	99
41) Methacrylonitrile	5.07	41	47392	19.28	ug/l	98
42) 1,2-Dichloroethane	6.20	62	84682	19.47	ug/l	98
43) Isopropyl Acetate	6.47	43	134928	18.50	ug/l	100
44) Trichloroethene	7.21	130	63076	20.76	ug/l	99
45) 1,2-Dichloropropane	7.52	63	55731	18.85	ug/l	96
46) Dibromomethane	7.67	93	38812	19.37	ug/l	98
47) Bromodichloromethane	7.90	83	67472	18.62	ug/l	99
48) Methyl methacrylate	7.78	41	69892	19.08	ug/l	99
49) 1,4-Dioxane	7.76	88	26825	391.57	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	447226	98.46	ug/l	99
52) Toluene	8.79	92	138422	19.88	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	79402	18.27	ug/l	98
54) cis-1,3-Dichloropropene	9.04	75	71316	17.39	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	56493	19.72	ug/l	99
56) Ethyl methacrylate	9.18	69	85337	18.66	ug/l	100
57) 1,3-Dichloropropane	9.37	76	94086	19.58	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	212237	100.28	ug/l	99
59) 2-Hexanone	9.50	43	338061	96.35	ug/l	100
60) Dibromochloromethane	9.59	129	51265	17.80	ug/l	100
61) 1,2-Dibromoethane	9.68	107	59001	19.76	ug/l	99
64) Tetrachloroethene	9.34	164	73245	22.16	ug/l	96
65) Chlorobenzene	10.14	112	159036	19.94	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	54219	18.77	ug/l	99
67) Ethyl Benzene	10.26	91	273808	20.51	ug/l	100
68) m/p-Xylenes	10.36	106	208432	40.17	ug/l	99
69) o-Xylene	10.70	106	103419	20.03	ug/l	98
70) Styrene	10.71	104	166919	19.77	ug/l	99
71) Bromoform	10.86	173	36695	16.03	ug/l #	100
73) Isopropylbenzene	11.02	105	278421	20.06	ug/l	100
74) N-amyl acetate	6.47	43	134928	18.04	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	80904	18.53	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	73847m	16.87	ug/l	
77) Bromobenzene	11.26	156	74289	19.07	ug/l	99
78) n-propylbenzene	11.37	91	320143	20.75	ug/l	100
79) 2-Chlorotoluene	11.43	91	188448	19.35	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	235566	19.79	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	18802	15.06	ug/l #	84
82) 4-Chlorotoluene	11.51	91	222285	19.77	ug/l	100
83) tert-Butylbenzene	11.77	119	226083	19.50	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	240470	19.62	ug/l	98
85) sec-Butylbenzene	11.95	105	285553	21.01	ug/l	100
86) p-Isopropyltoluene	12.07	119	254436	20.56	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	138294	19.85	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	140327	19.54	ug/l	100
89) n-Butylbenzene	12.39	91	223092	21.49	ug/l	100
90) Hexachloroethane	12.60	117	33237	16.82	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	137065	19.02	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	16744	17.54	ug/l	97

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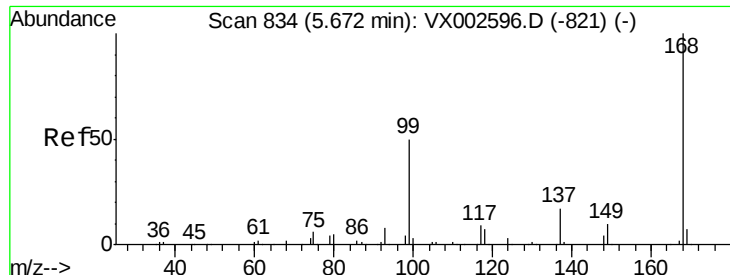
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	100240	19.83	ug/l	99
94) Hexachlorobutadiene	13.79	225	54472	21.81	ug/l	98
95) Naphthalene	13.84	128	281257	19.37	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	101823	19.75	ug/l	99

(#) = 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: VX002595.D

Acq: 15 Jun 2018 12:28

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion:168 Resp: 232482

Ion Ratio Lower Upper

168 100

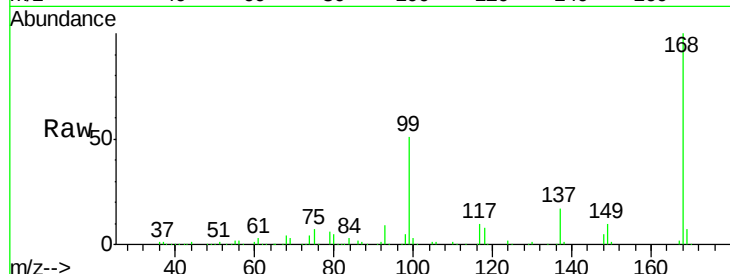
99 51.3 39.3 58.9

Manual Integrations

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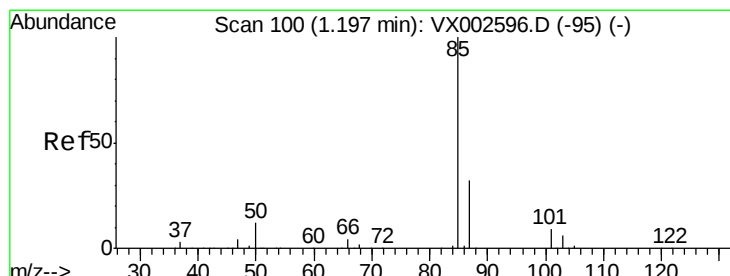
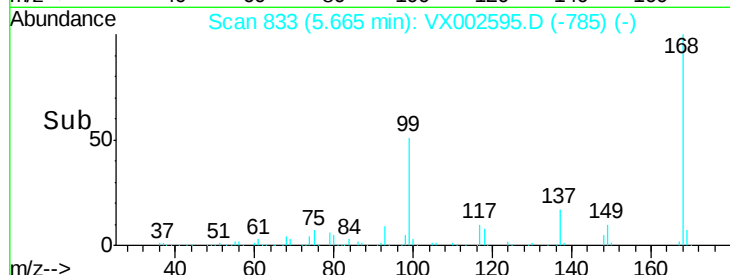
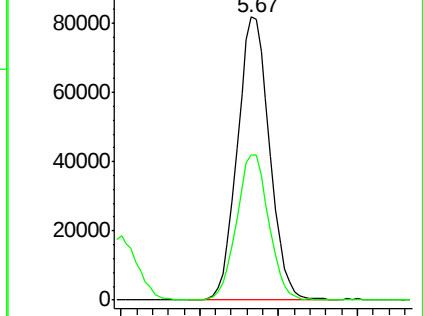
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 20.32 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002595.D

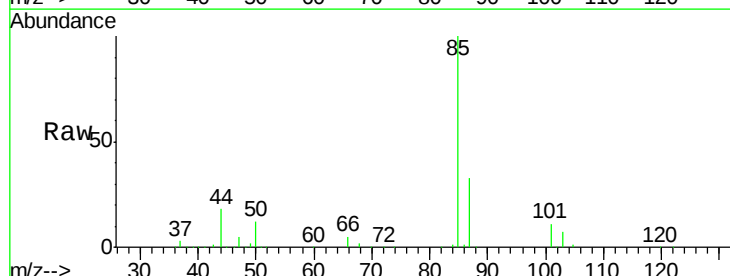
Acq: 15 Jun 2018 12:28

Tgt Ion: 85 Resp: 49117

Ion Ratio Lower Upper

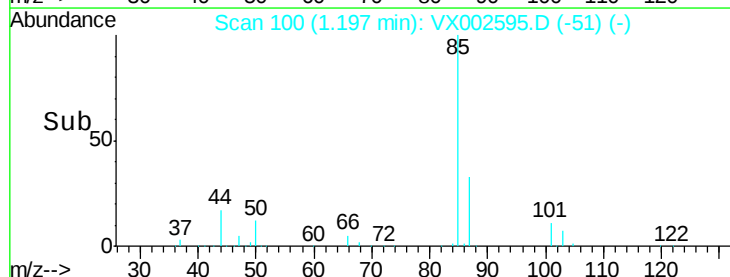
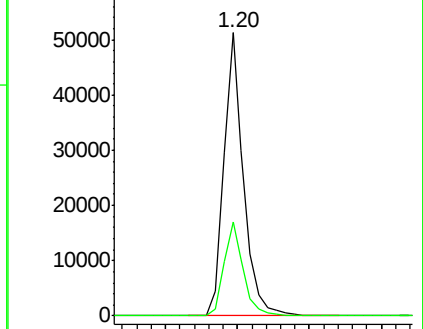
85 100

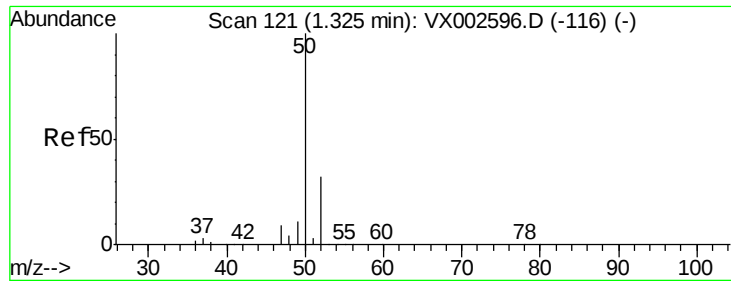
87 33.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.54 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 58950

Ion Ratio Lower Upper

50 100

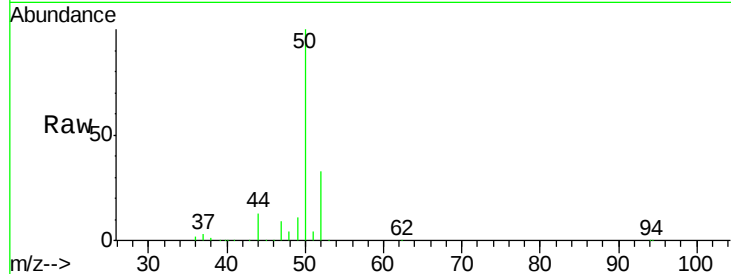
52 32.7 25.7 38.5

Manual Integrations

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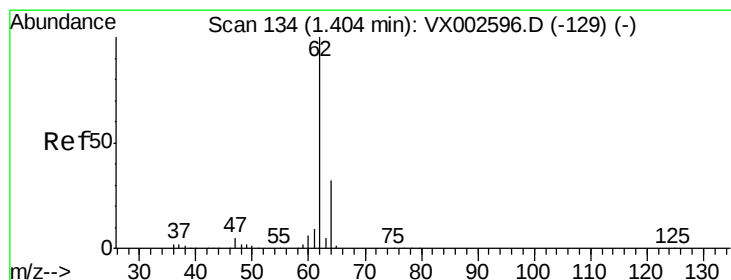
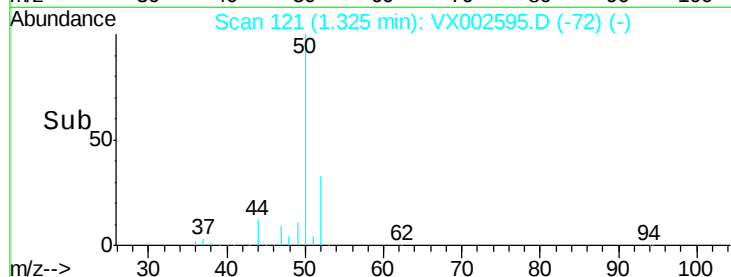
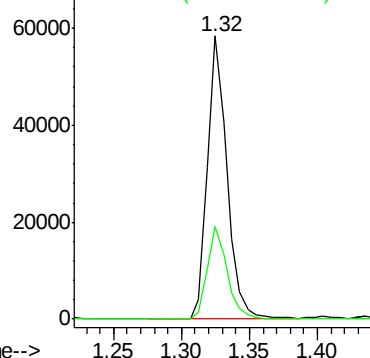
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.88 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002595.D

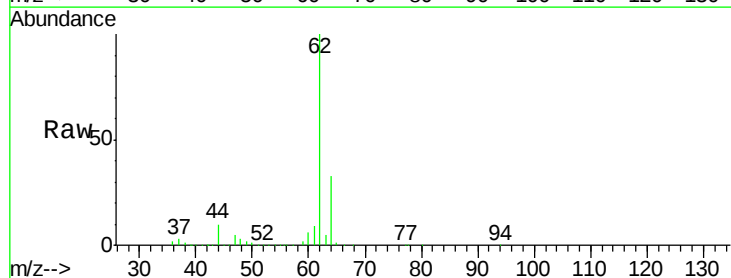
Acq: 15 Jun 2018 12:28

Tgt Ion: 62 Resp: 63586

Ion Ratio Lower Upper

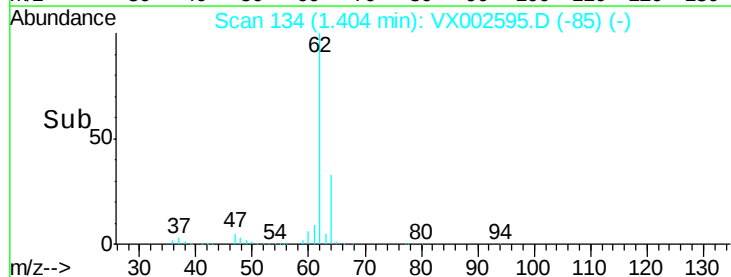
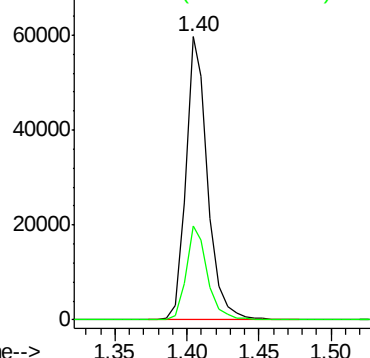
62 100

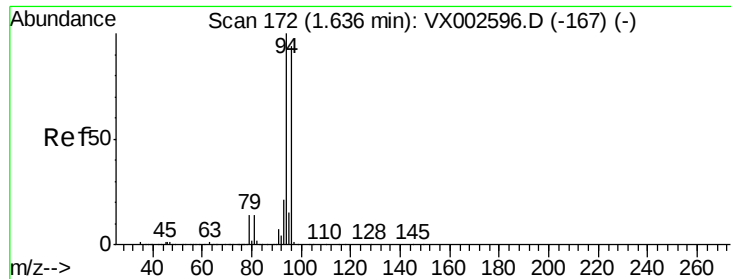
64 33.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 14.53 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 35171

Ion Ratio Lower Upper

94 100

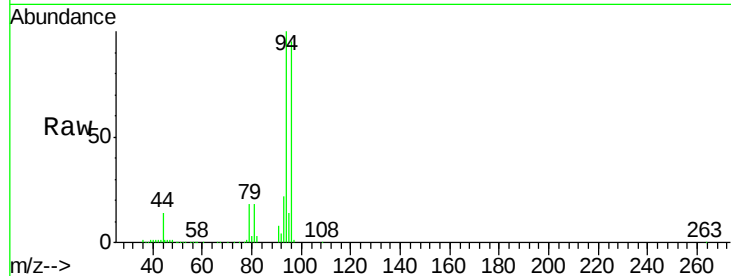
96 94.8 74.9 112.3

Manual Integrations

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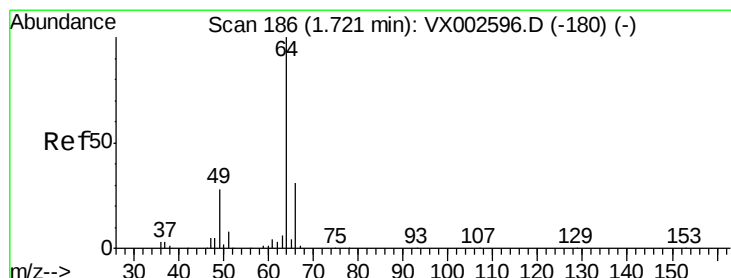
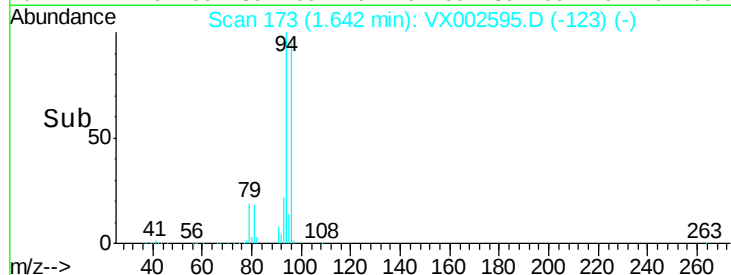
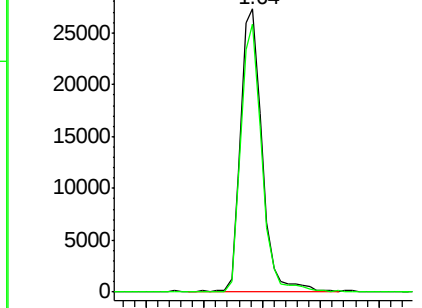
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.11 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002595.D

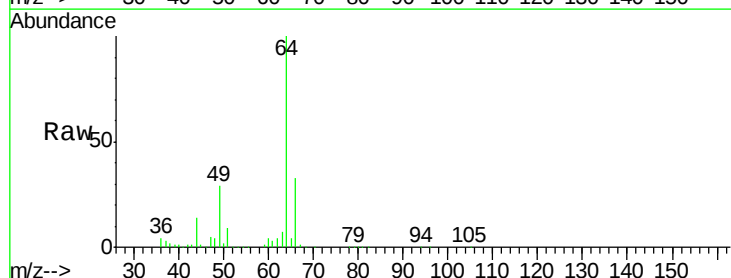
Acq: 15 Jun 2018 12:28

Tgt Ion: 64 Resp: 41587

Ion Ratio Lower Upper

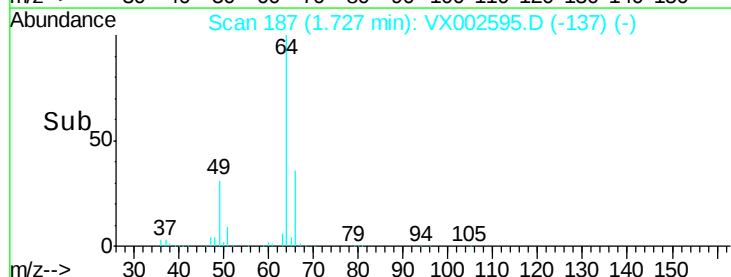
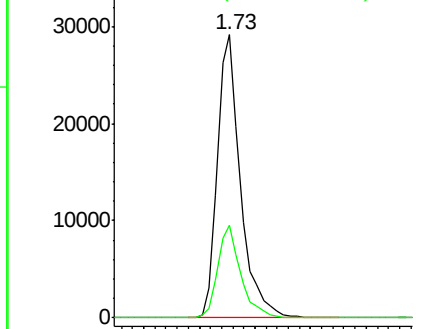
64 100

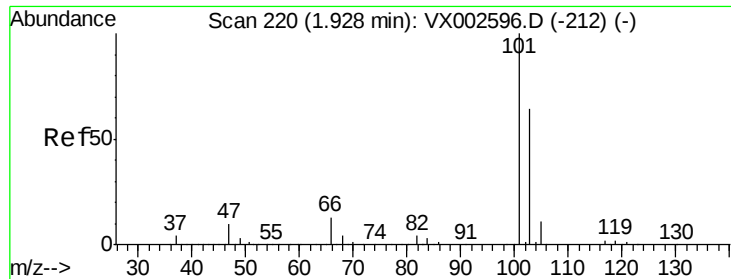
66 32.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

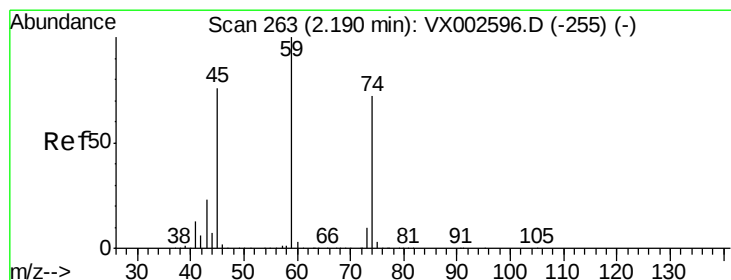
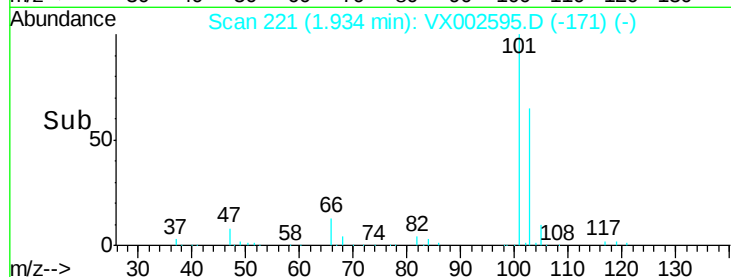
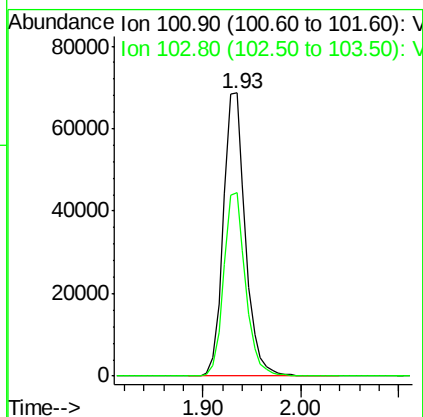
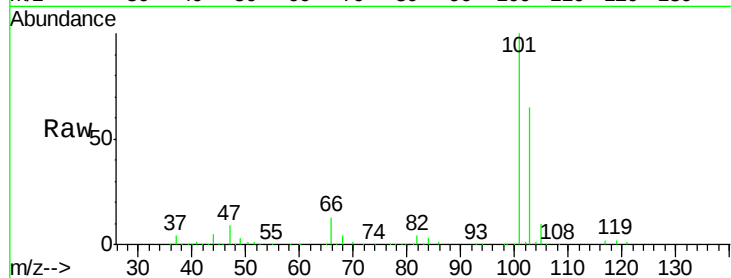
Trichlorofluoromethane
Concen: 23.05 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Instrument :
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ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.8	79.2

Manual Integrations
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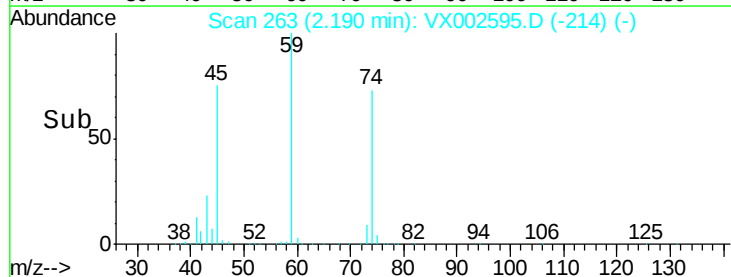
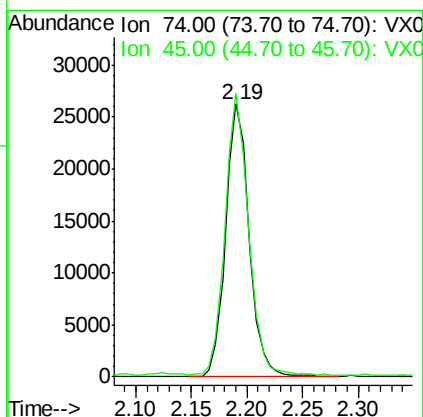
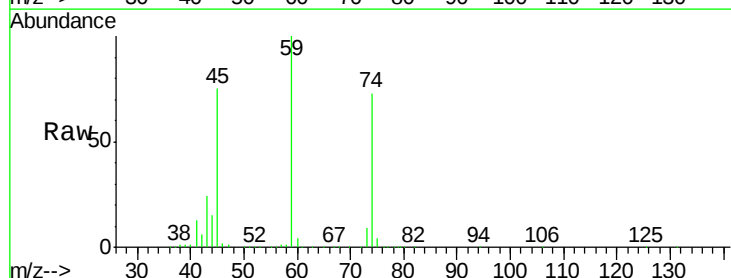
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#8

Diethyl Ether
Concen: 20.38 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.7	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.64 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

Instrument :

MSVOA_X

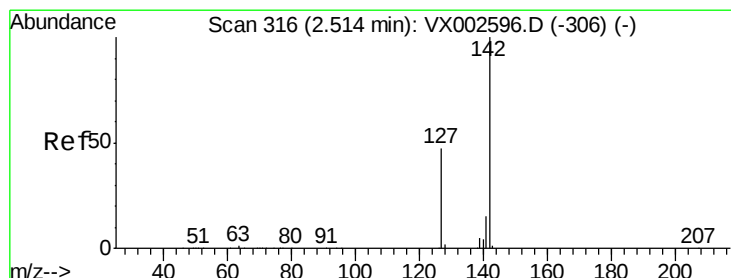
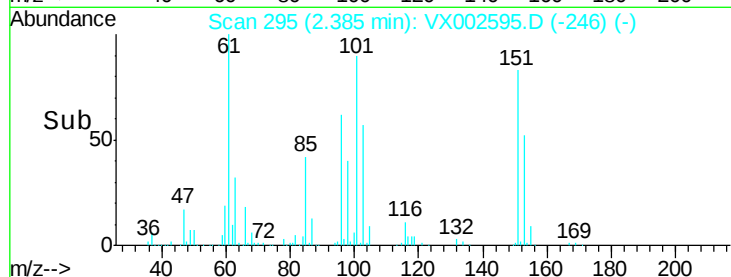
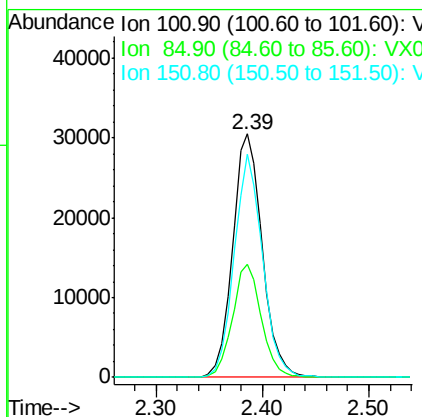
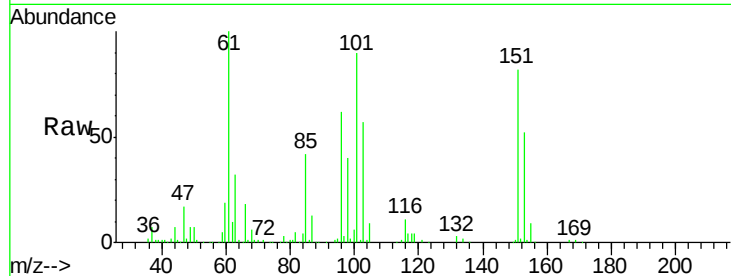
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	59209
Ion Ratio	Lower	Upper	
101	100		
85	45.9	36.0	54.0
151	88.5	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 17.98 ug/l

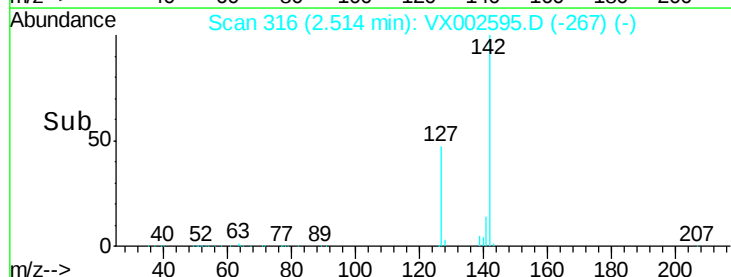
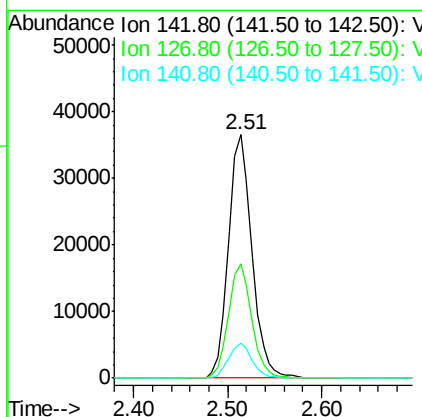
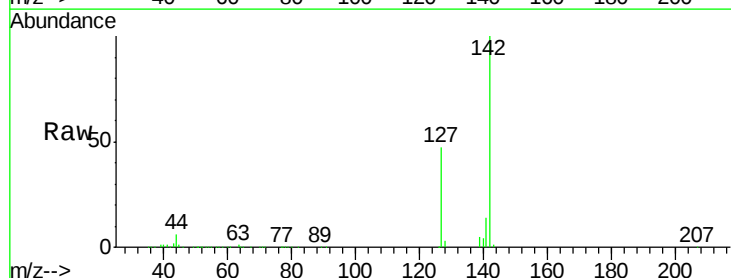
RT: 2.51 min Scan# 316

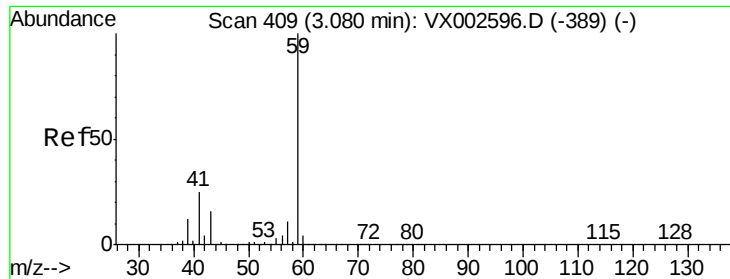
Delta R.T. -0.00 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

Tgt Ion:	142	Resp:	63336
Ion Ratio	Lower	Upper	
142	100		
127	46.8	36.6	55.0
141	14.2	11.3	16.9





#11

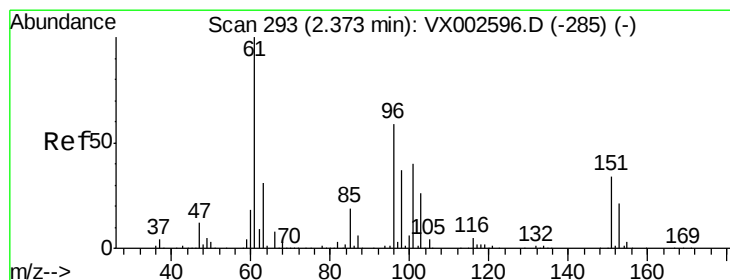
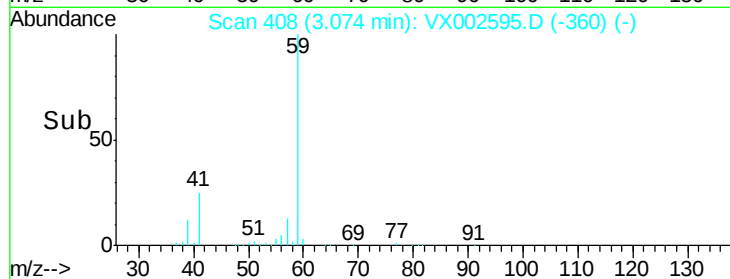
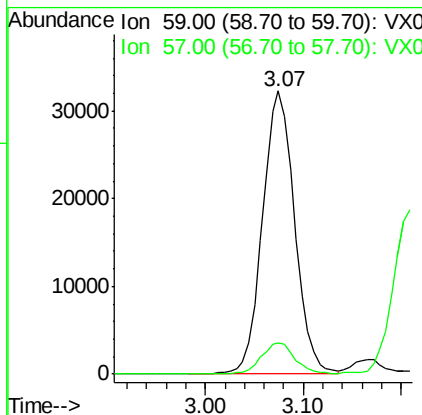
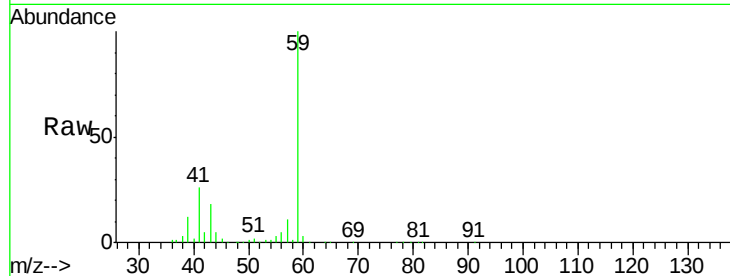
Tert butyl alcohol
Concen: 99.04 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	59	Resp	73780
Ion Ratio	100	Lower	Upper
57	11.6	8.2	12.2

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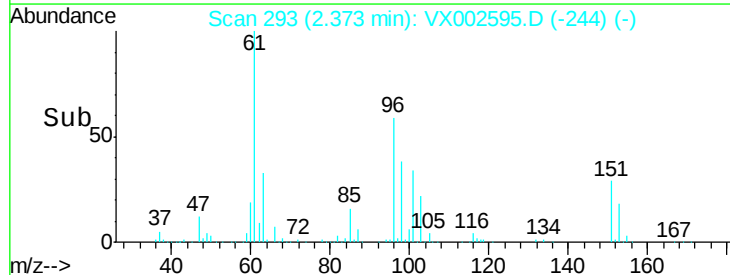
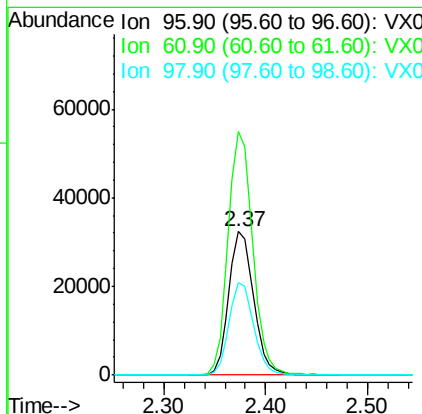
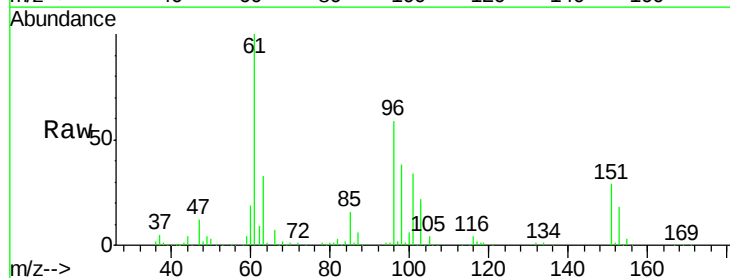
MMDadoda
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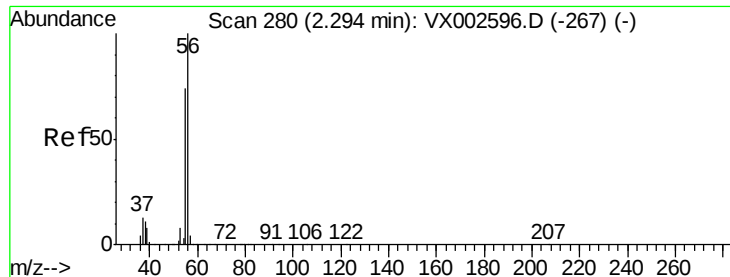


#12

1,1-Dichloroethene
Concen: 21.99 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Tgt Ion	96	Resp	54424
Ion Ratio	100	Lower	Upper
61	170.0	137.9	206.9
98	64.3	51.6	77.4





#13

Acrolein

Concen: 95.33 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 34208

Ion Ratio Lower Upper

56 100

55 73.4

57.0

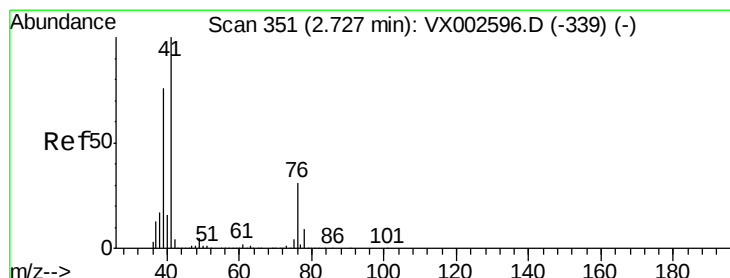
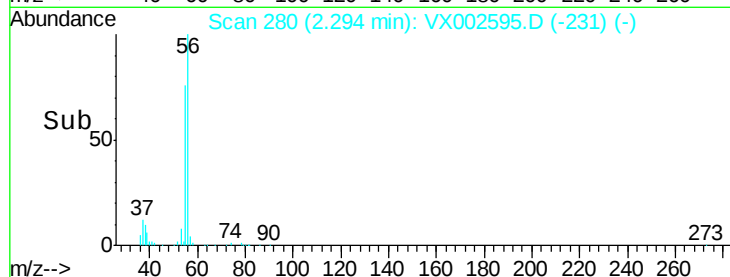
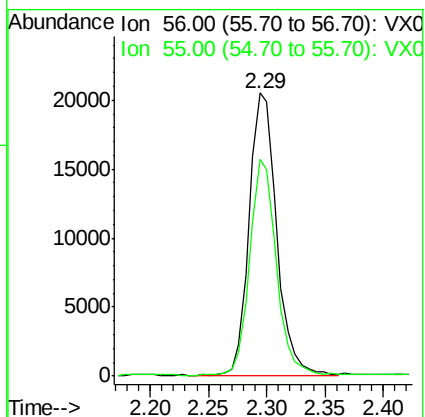
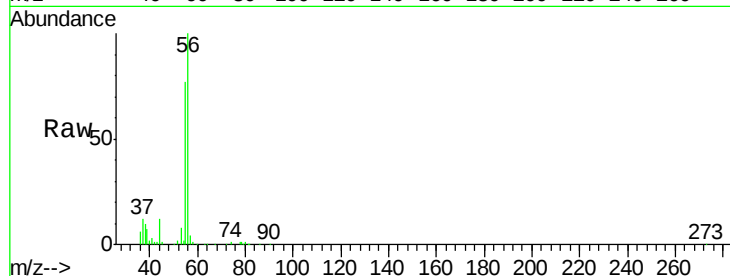
85.4

Manual Integrations

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#14

Allyl chloride

Concen: 19.65 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

Tgt Ion: 41 Resp: 105535

Ion Ratio Lower Upper

41 100

39 72.4

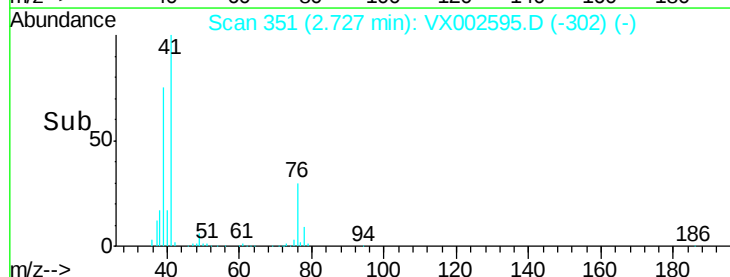
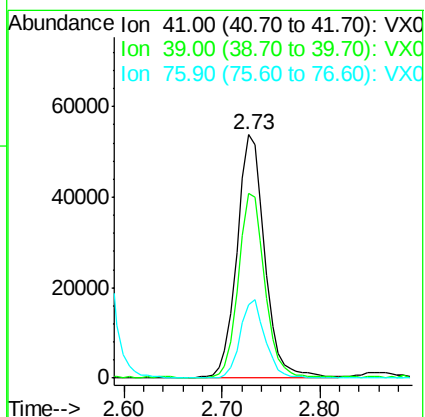
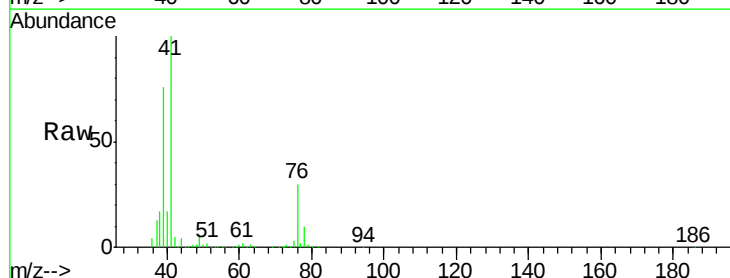
56.8

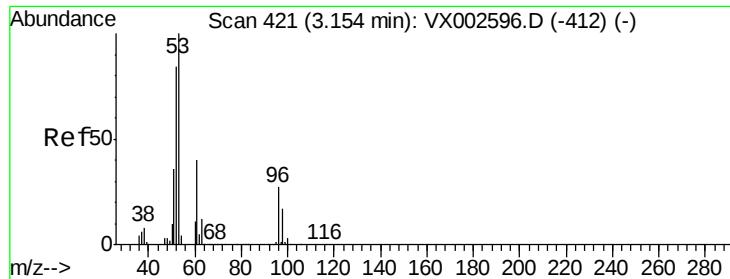
85.2

76 29.0

23.8

35.8





#15

Acrylonitrile

Concen: 102.99 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

Instrument :

MSVOA_X

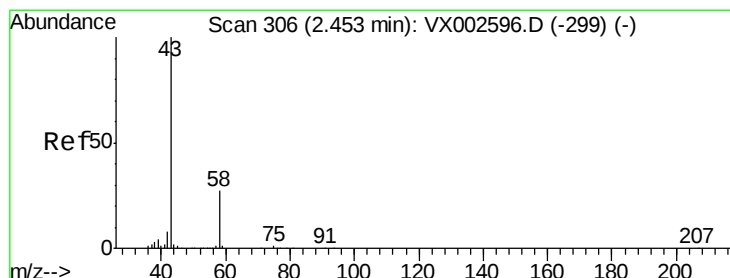
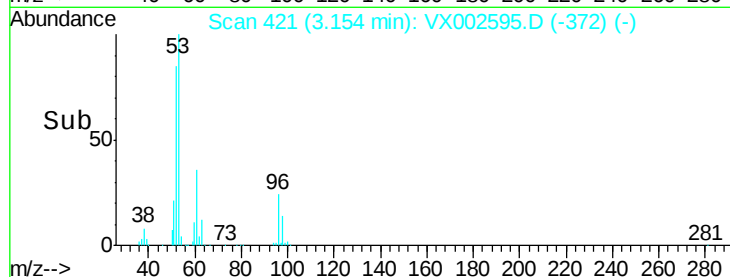
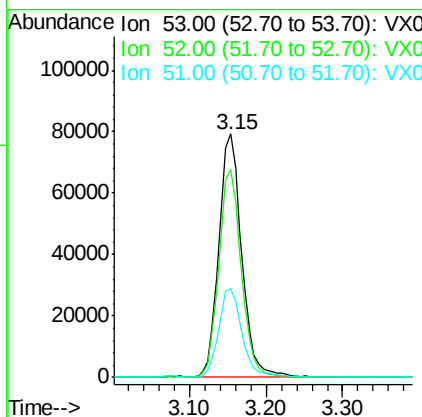
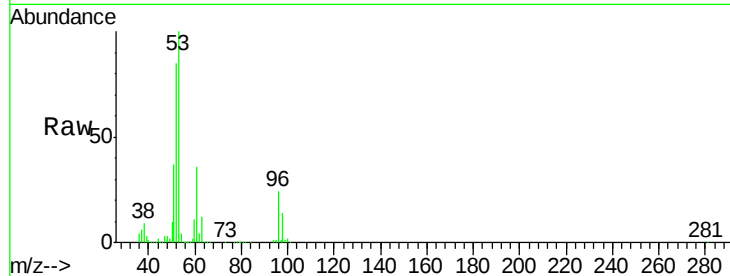
ClientSampled :

VSTDIC020

Tot Ion:	53	Resp:	163310
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.7	100.1
51	37.5	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 94.04 ug/l

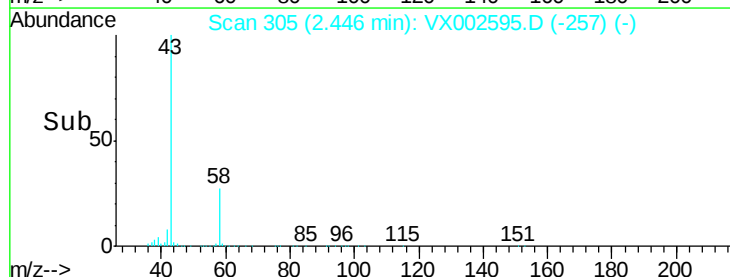
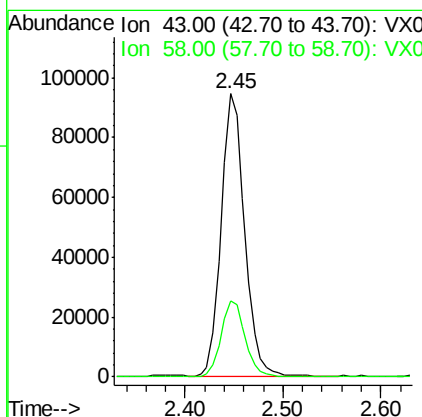
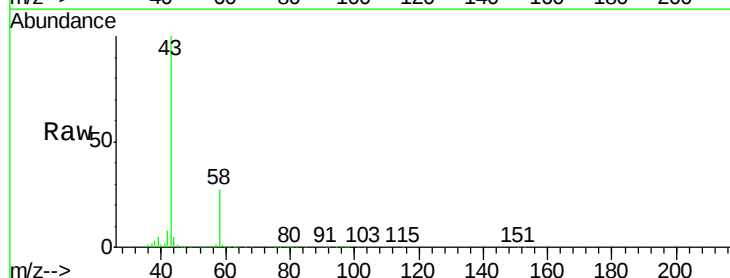
RT: 2.45 min Scan# 305

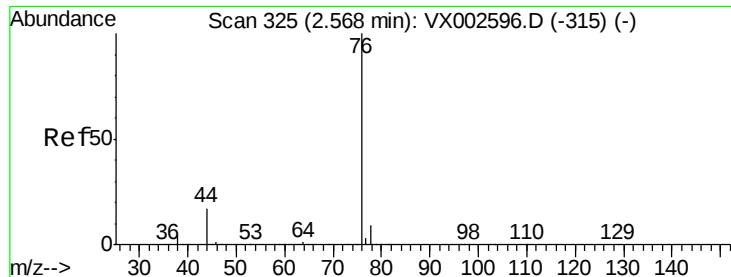
Delta R.T. -0.01 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

Tgt Ion:	43	Resp:	156334
Ion	Ratio	Lower	Upper
43	100		
58	27.0	22.1	33.1





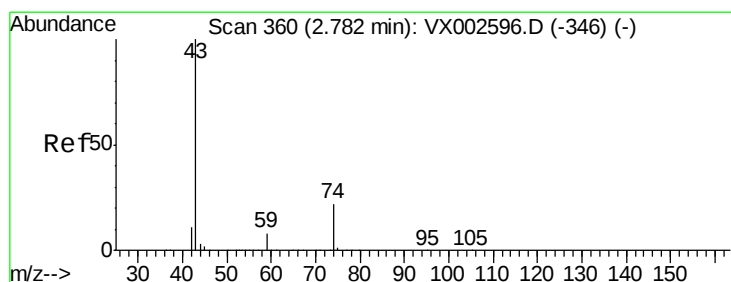
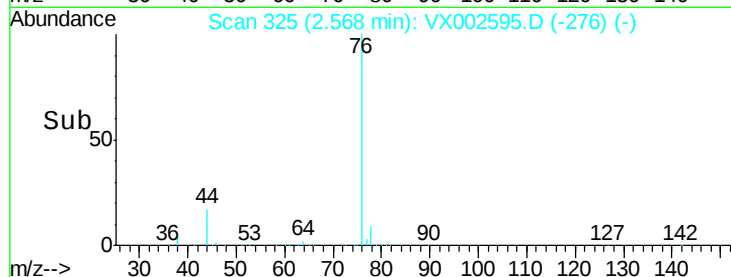
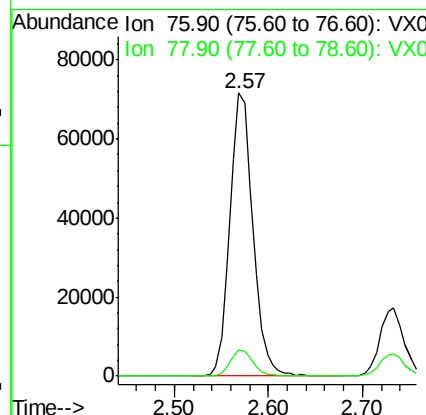
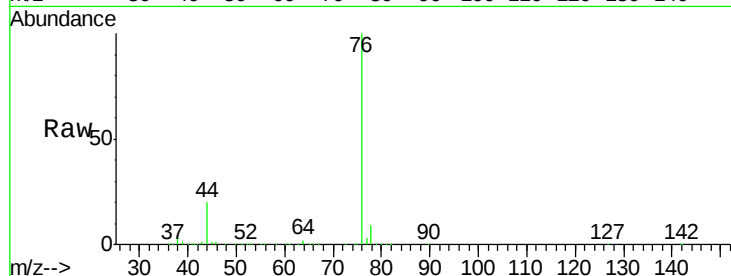
#17
Carbon Disulfide
Concen: 18.73 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.9	10.3

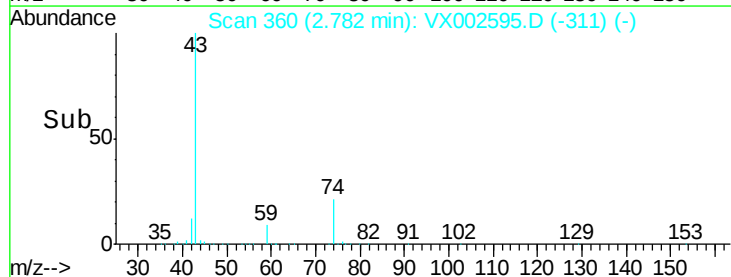
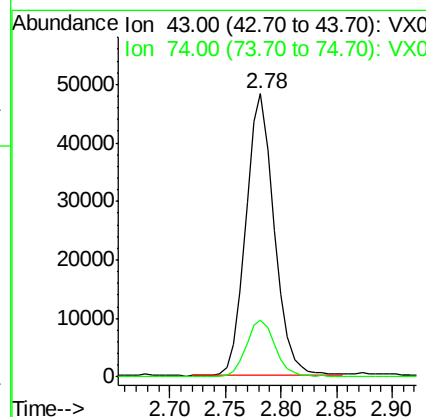
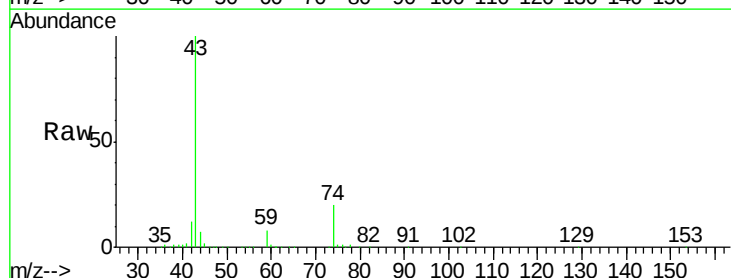
Manual Integrations
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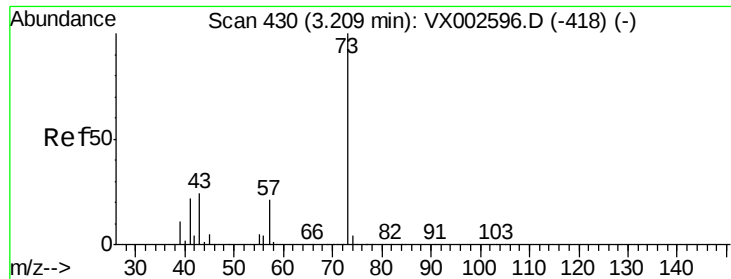
MMDadoda
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#18
Methyl Acetate
Concen: 21.80 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	16.7	25.1





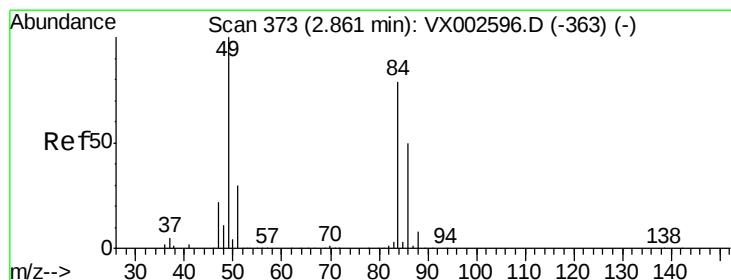
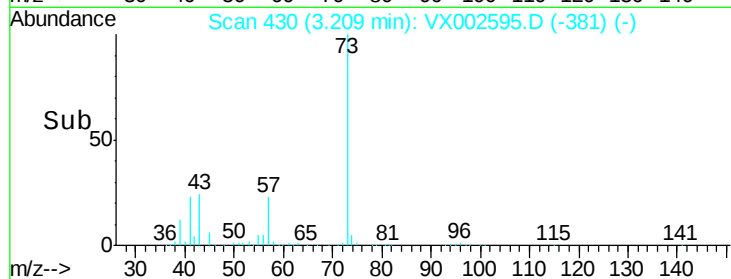
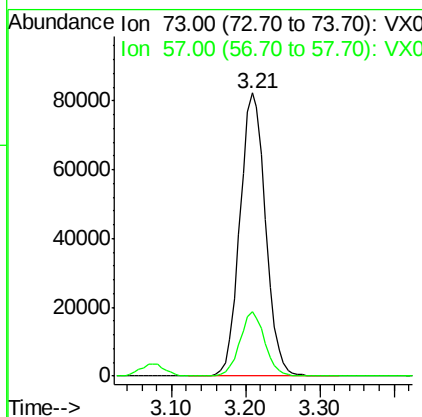
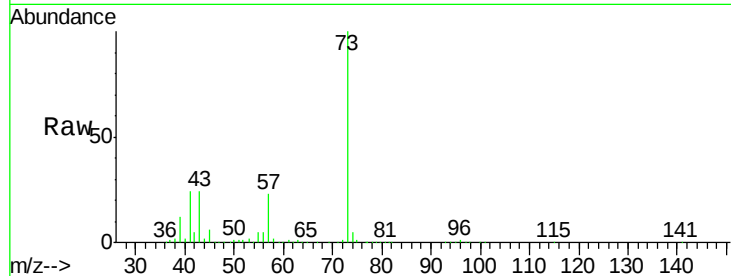
#19
Methyl tert-butyl Ether
Concen: 20.28 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.7	26.5

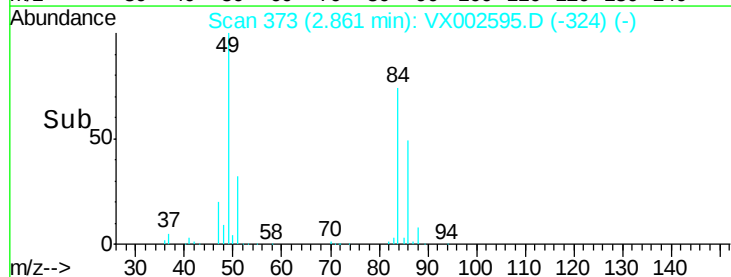
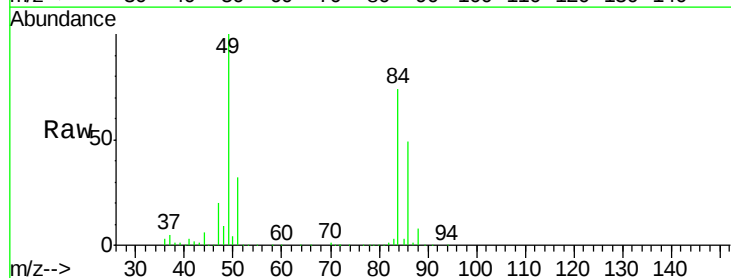
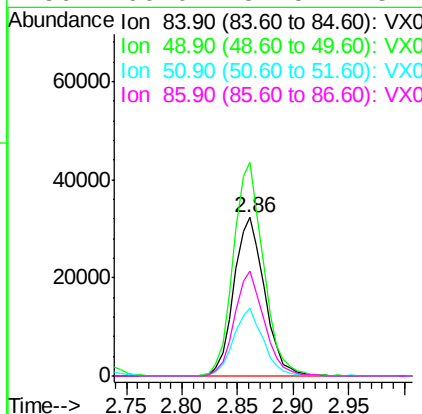
Manual Integrations
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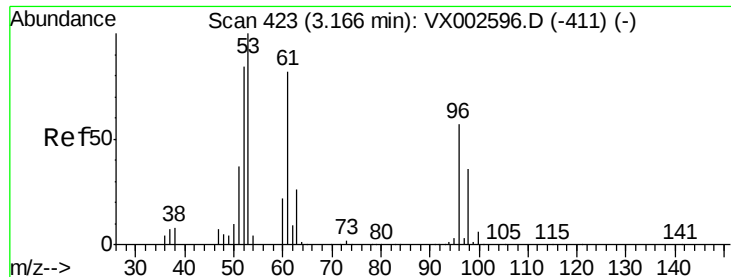
MMDadoda
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#20
Methylene Chloride
Concen: 18.71 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	135.1	107.8	161.6
51	42.3	32.8	49.2
86	66.0	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 21.10 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

Instrument :

MSVOA_X

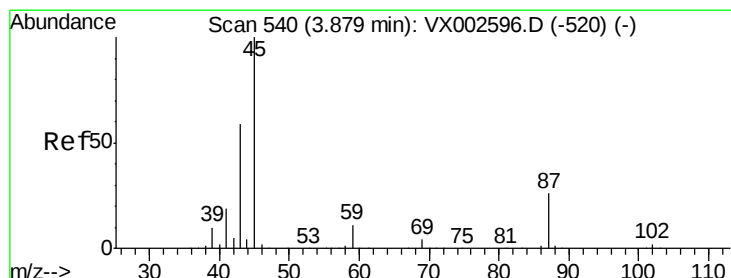
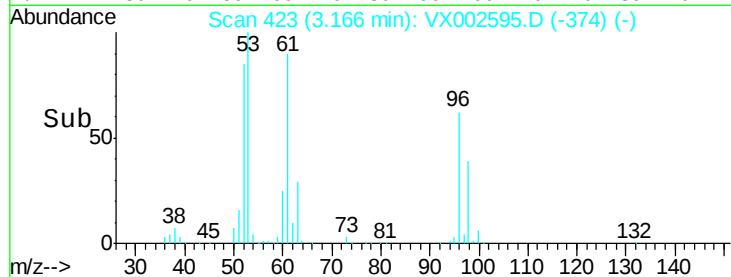
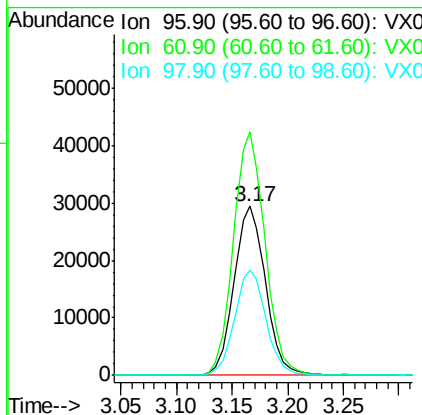
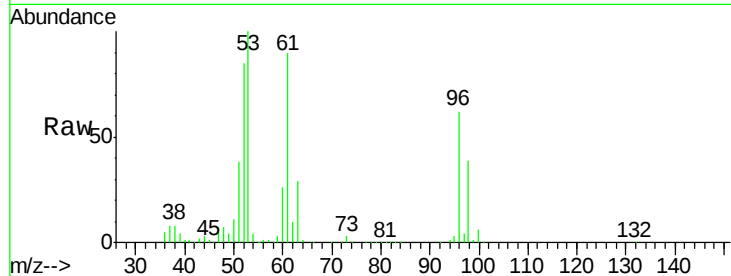
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	57577
Ion	Ratio	Lower	Upper
96	100		
61	143.8	117.0	175.4
98	62.4	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.24 ug/l

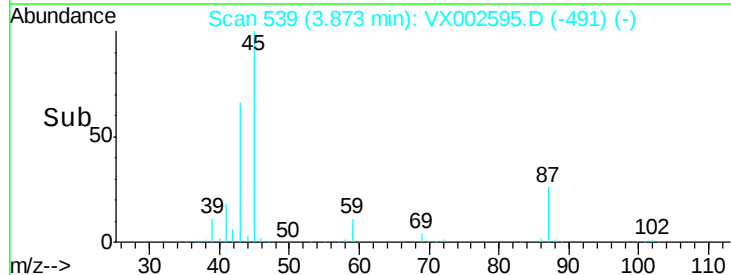
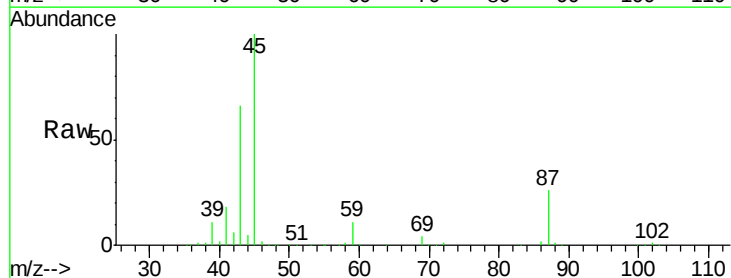
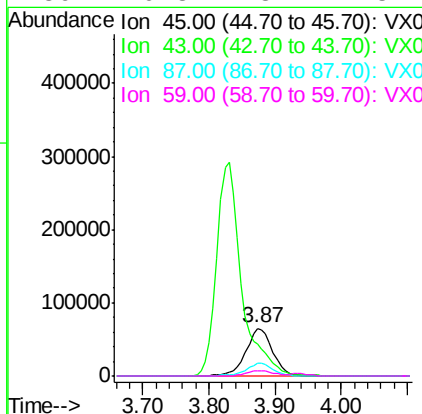
RT: 3.87 min Scan# 539

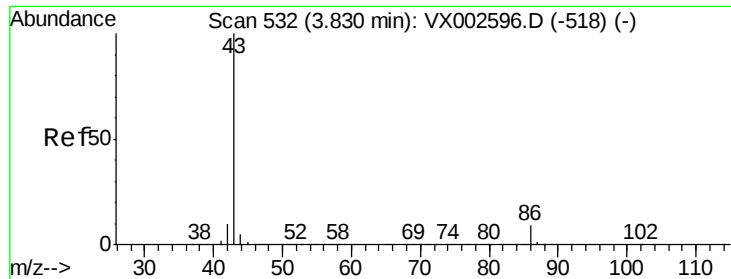
Delta R.T. -0.01 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

Tgt Ion:	45	Resp:	182840
Ion	Ratio	Lower	Upper
45	100		
43	66.0	46.8	70.2
87	25.8	20.2	30.4
59	10.8	8.7	13.1





#23

Vinyl Acetate

Concen: 87.97 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 765967

Ion Ratio Lower Upper

43 100

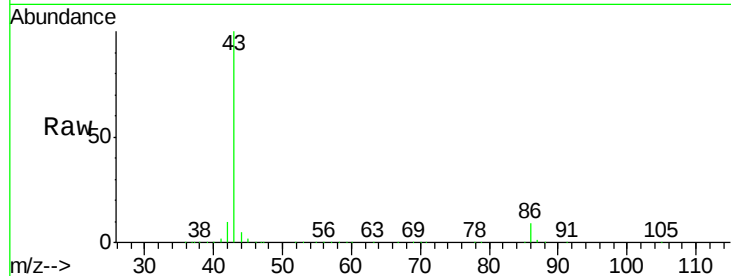
86 9.3 7.4 11.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

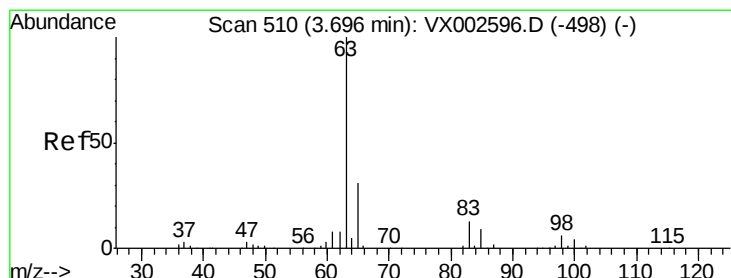
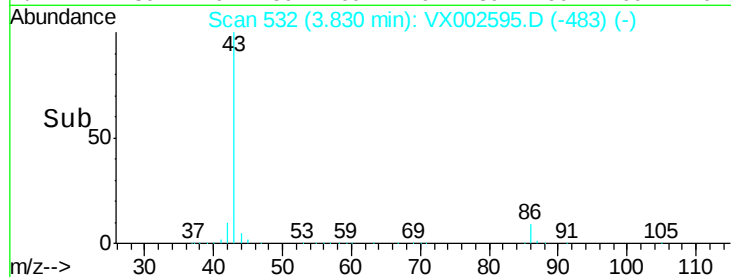
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.82 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

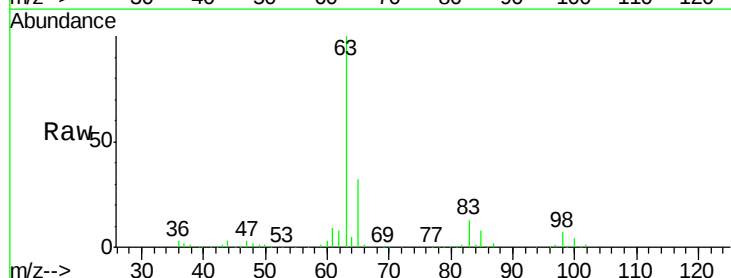
Tgt Ion: 63 Resp: 105205

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

100 4.3 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

60000

50000

40000

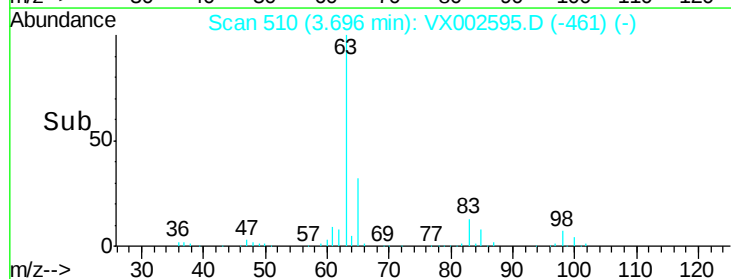
30000

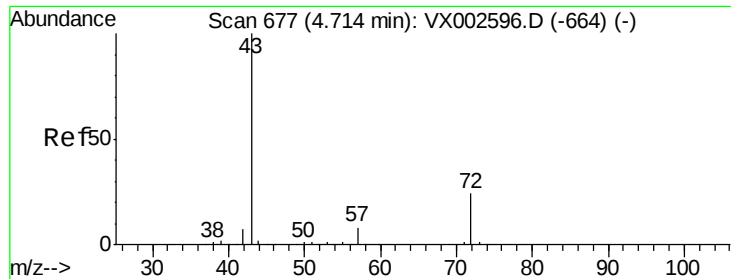
20000

10000

0

Time-->





#25

2-Butanone

Concen: 91.55 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 208678

Ion Ratio Lower Upper

43 100

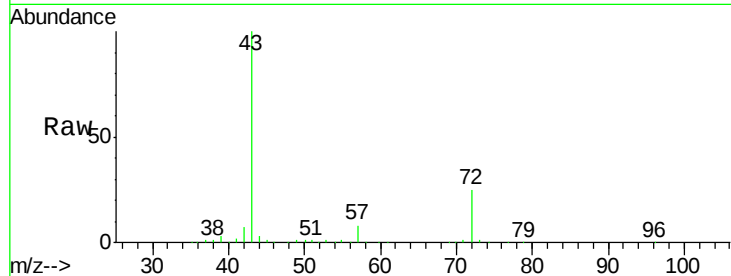
72 24.9 18.5 27.7

Manual Integrations

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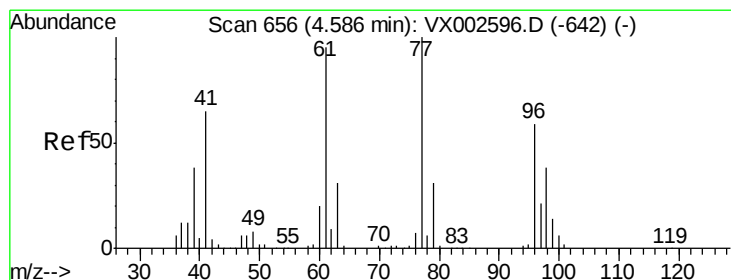
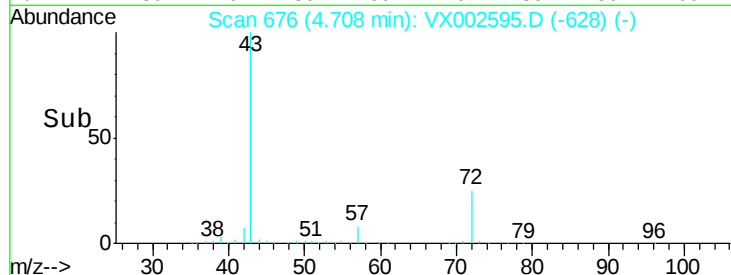
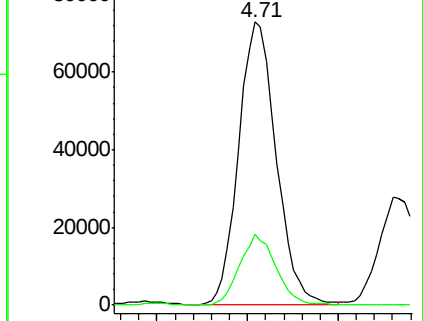
MMDadoda

6/18/2018 5:11:58 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.26 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002595.D

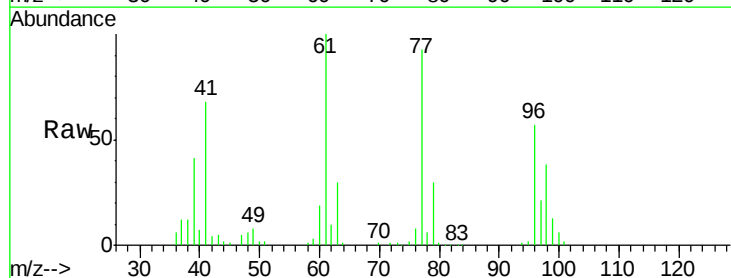
Acq: 15 Jun 2018 12:28

Tgt Ion: 77 Resp: 71623

Ion Ratio Lower Upper

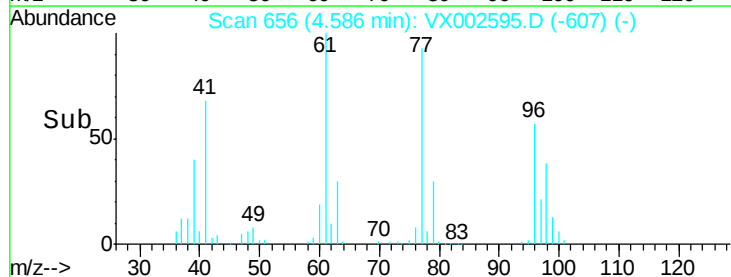
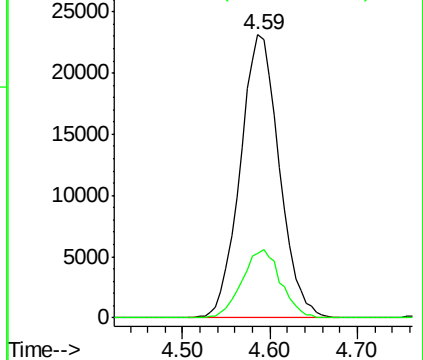
77 100

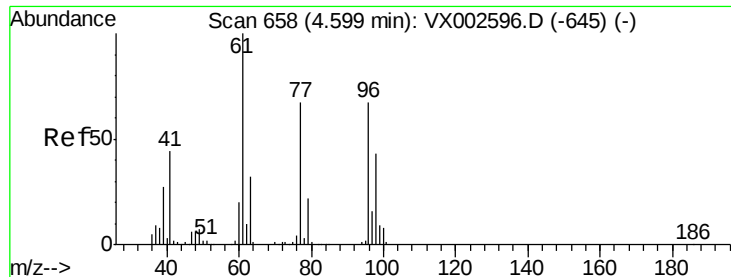
97 24.0 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

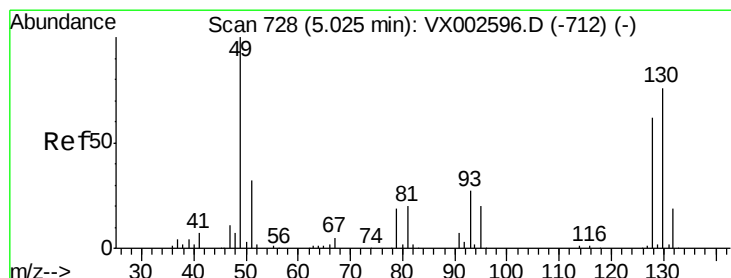
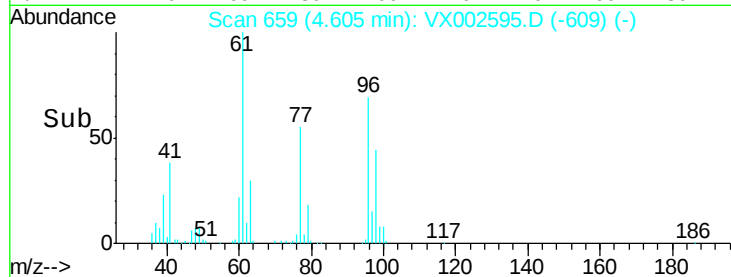
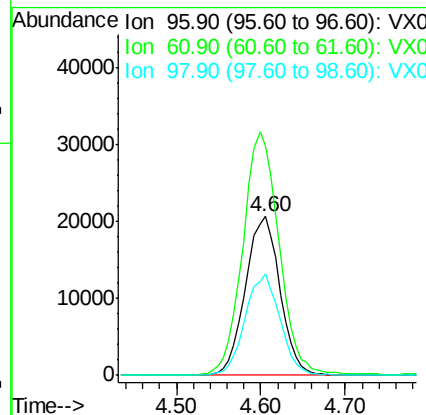
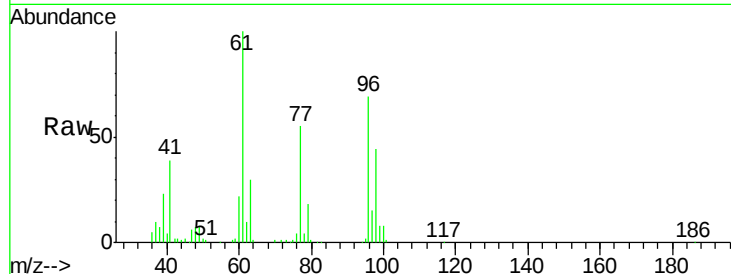
cis-1,2-Dichloroethene
Concen: 19.40 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.5	0.0	330.2
98	64.1	0.0	130.2

Manual Integrations
APPROVED

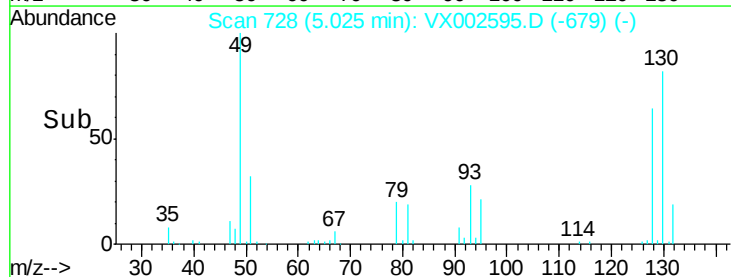
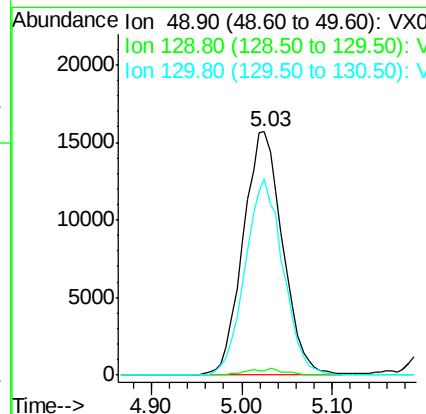
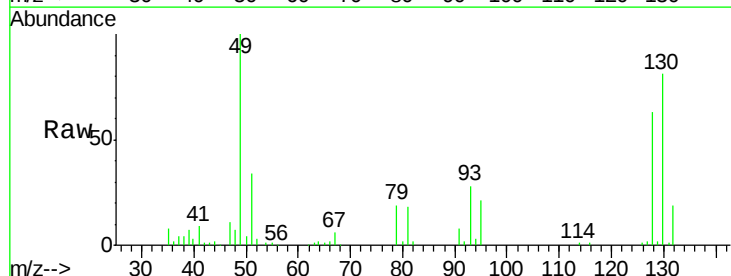
MMDadoda
6/18/2018 5:11:58 PM

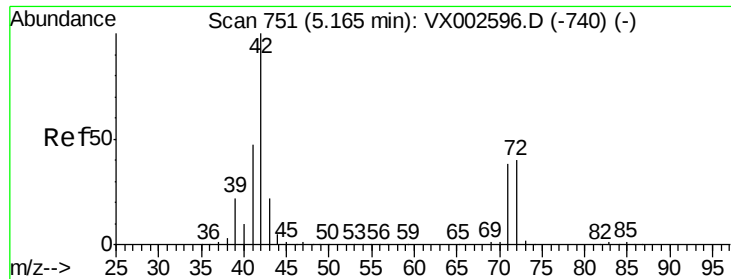


#28

Bromochloromethane
Concen: 18.44 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.2
130	77.1	61.2	91.8





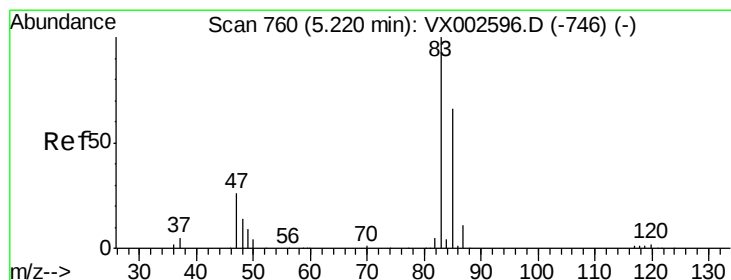
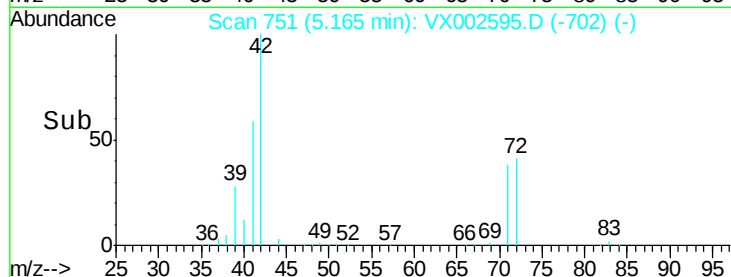
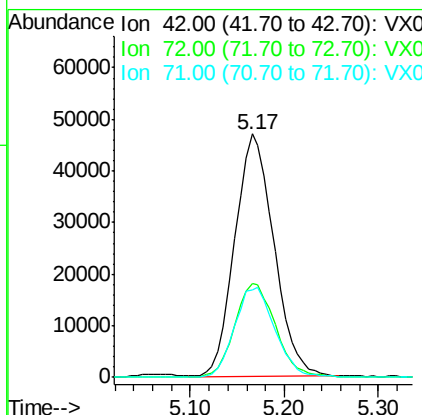
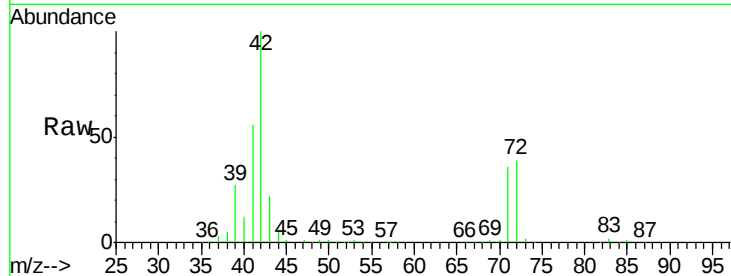
#29
Tetrahydrofuran
Concen: 92.43 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.0	48.0
71	38.5	30.1	45.1

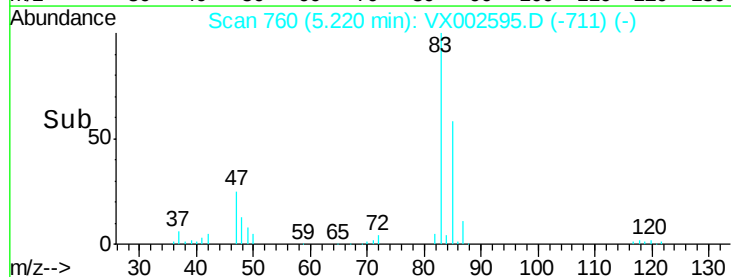
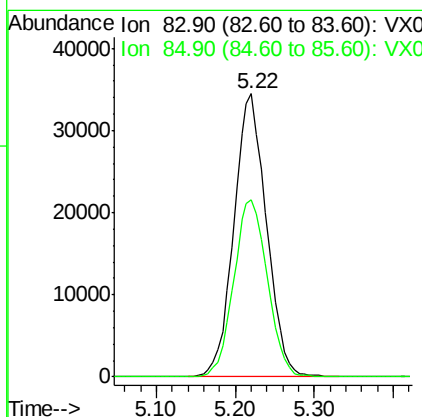
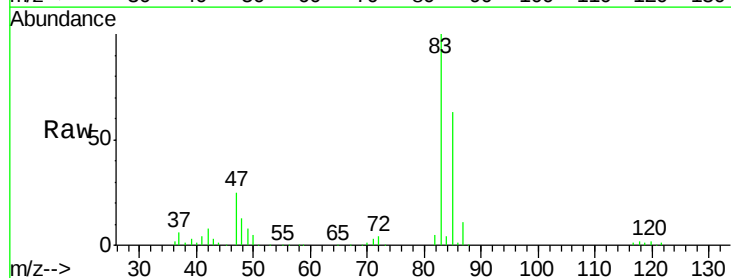
Manual Integrations
APPROVED

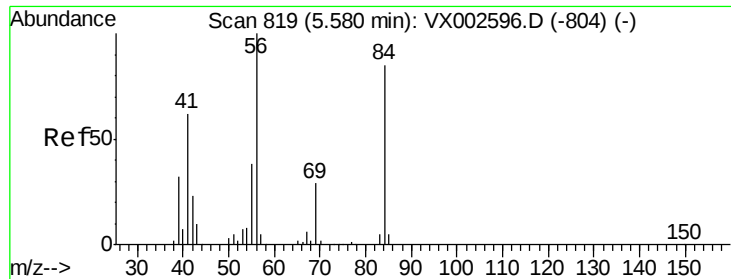
MMDadoda
6/18/2018 5:11:58 PM



#30
Chloroform
Concen: 19.29 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.4	75.6





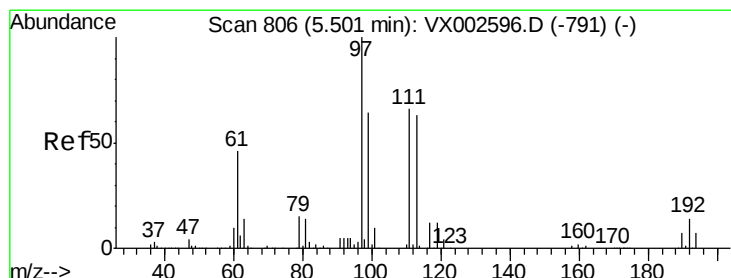
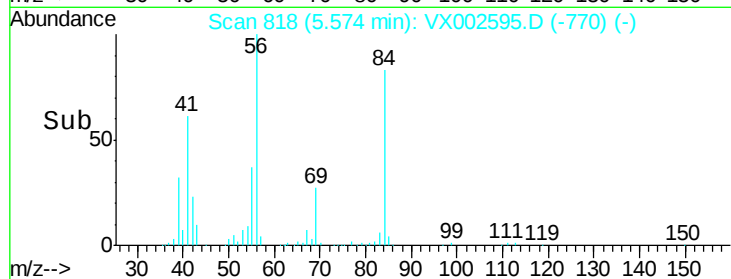
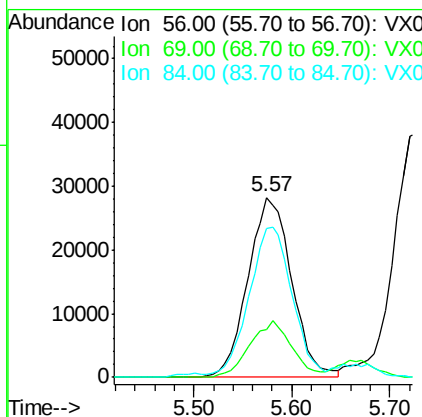
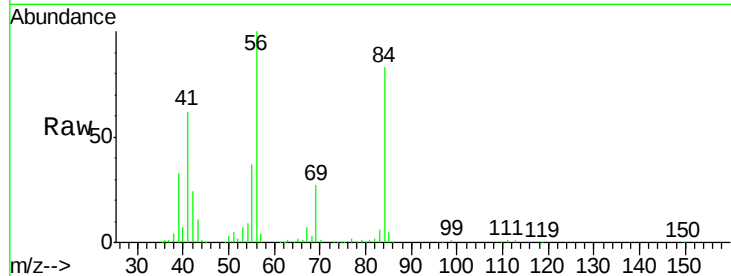
#31
Cyclohexane
Concen: 21.04 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	26.8	23.7	35.5
84	80.9	64.1	96.1

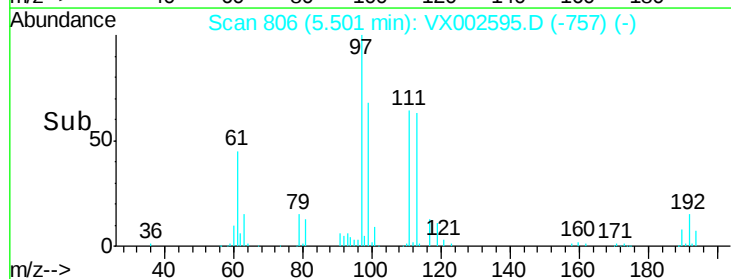
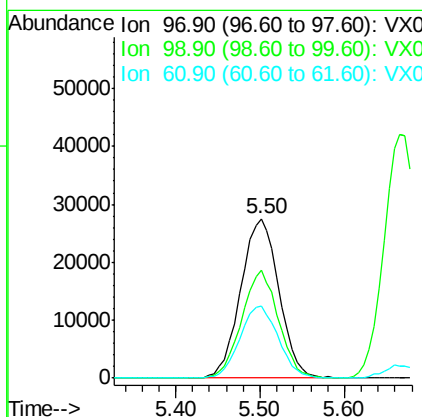
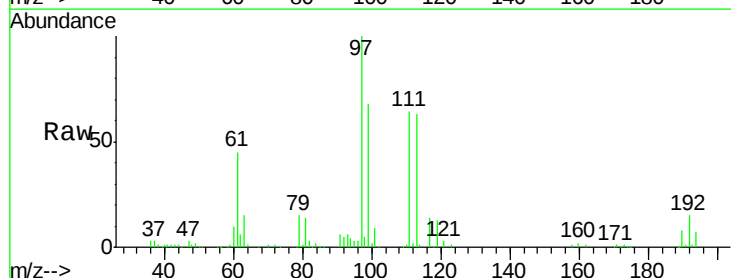
Manual Integrations
APPROVED

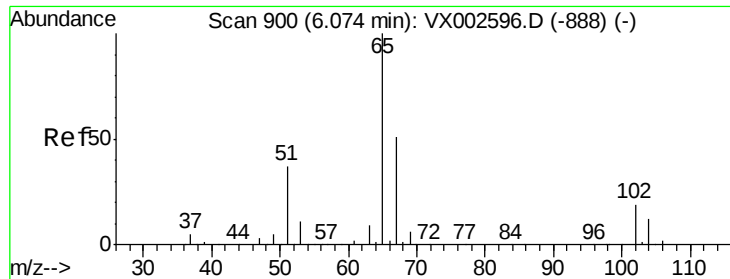
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.44 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.6	77.4
61	45.6	36.4	54.6





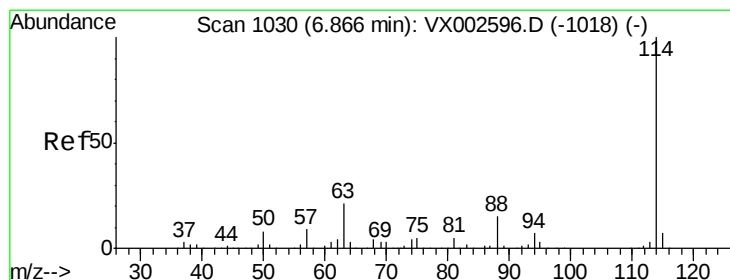
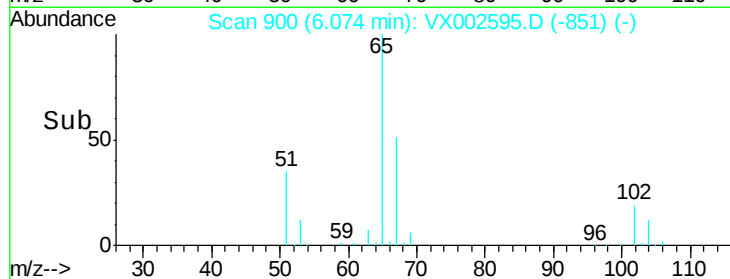
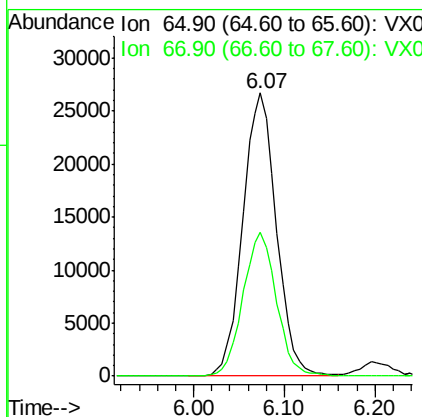
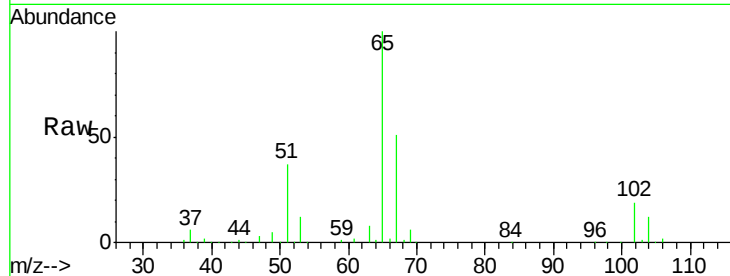
#33
 1,2-Dichloroethane-d4
 Concen: 18.87 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002595.D
 Acq: 15 Jun 2018 12:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	102.6

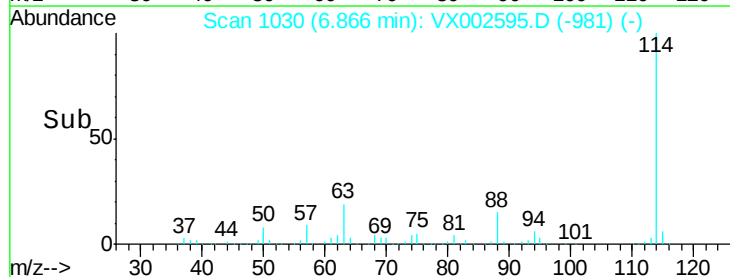
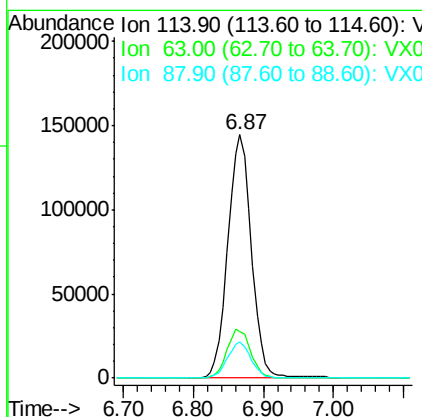
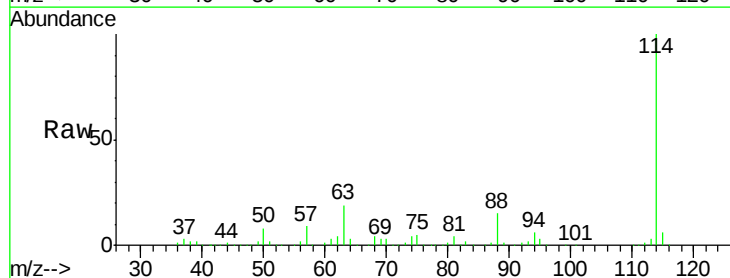
Manual Integrations
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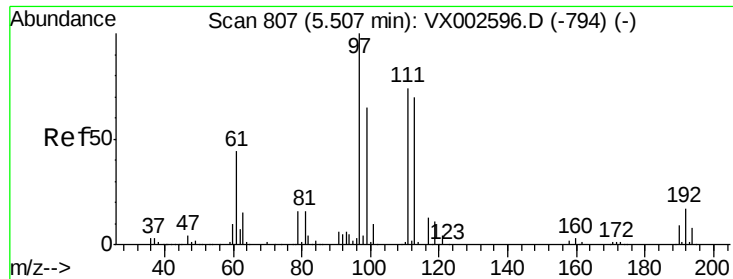
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002595.D
 Acq: 15 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	41.4
88	15.0	0.0	30.0





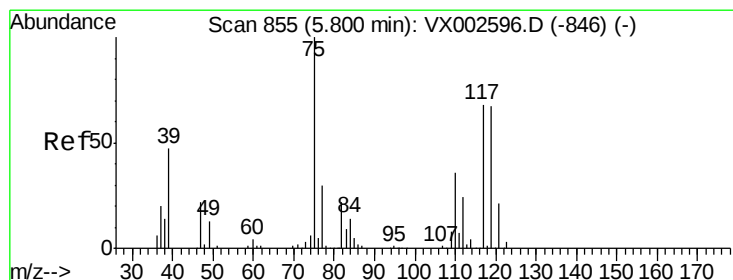
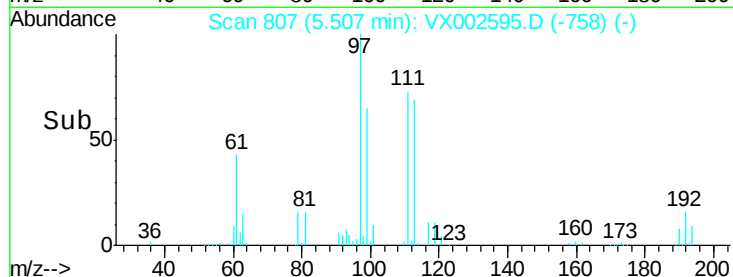
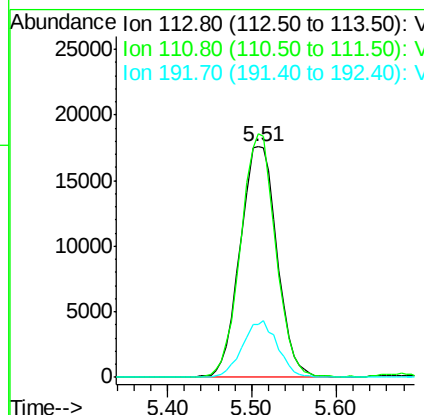
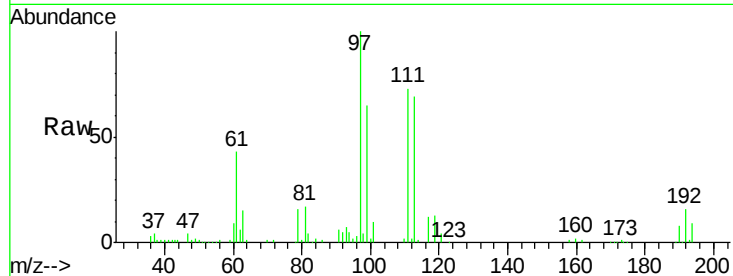
#35
Dibromofluoromethane
Concen: 19.55 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.0	81.4	122.0
192	23.2	19.1	28.7

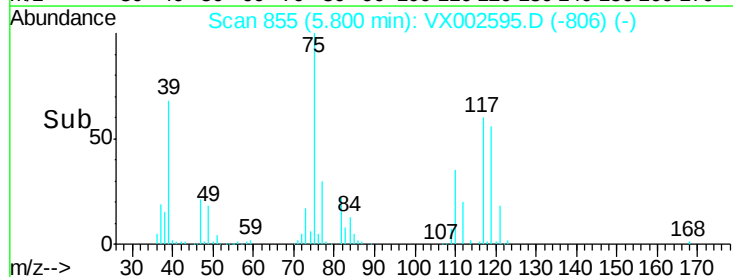
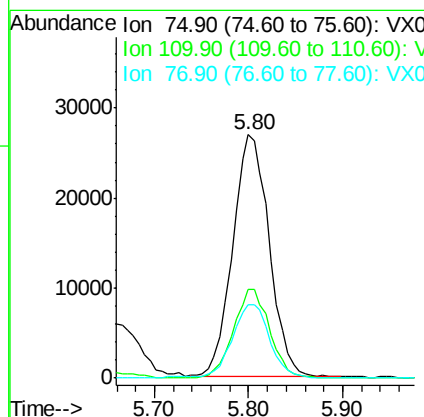
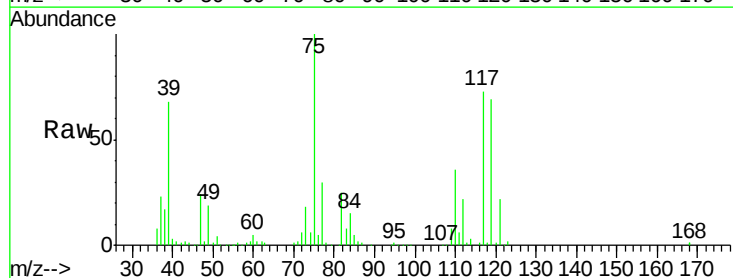
Manual Integrations
APPROVED

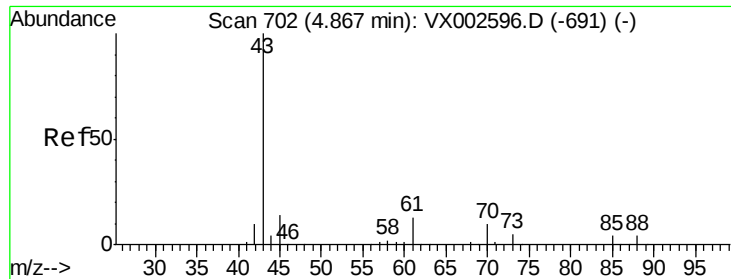
MMDadoda
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#36
1,1-Dichloropropene
Concen: 20.35 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.1	54.4
77	31.8	24.3	36.5





#37

Ethyl Acetate

Concen: 19.26 ug/l

RT: 4.86 min Scan# 701

Delta R.T. -0.01 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

Instrument :

MSVOA_X

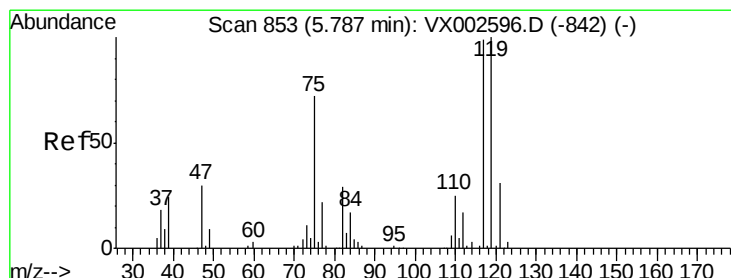
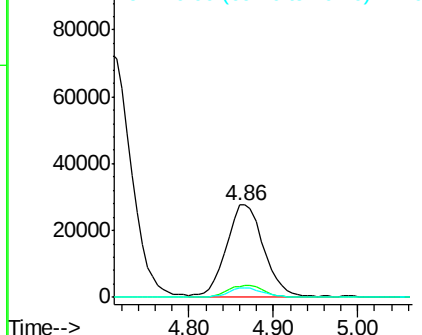
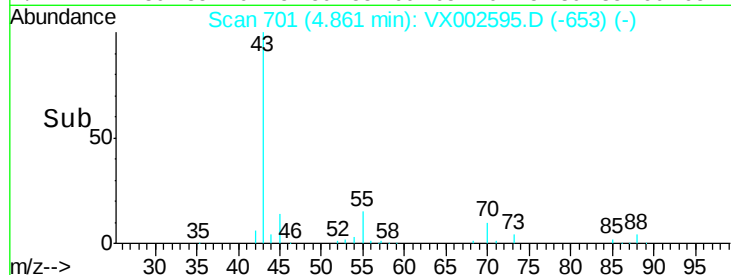
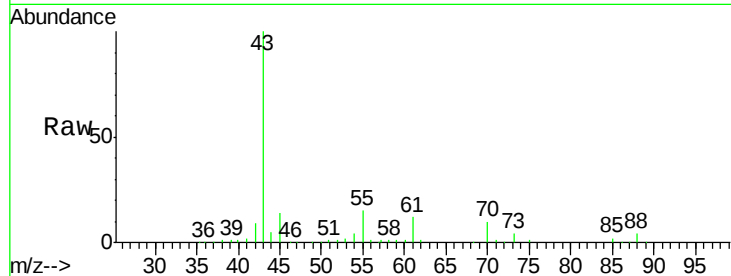
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	82700
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.4	15.6
70	9.9	7.6	11.4

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 19.40 ug/l

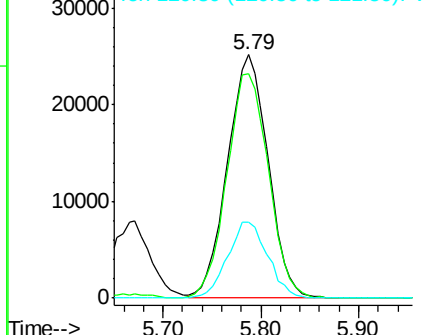
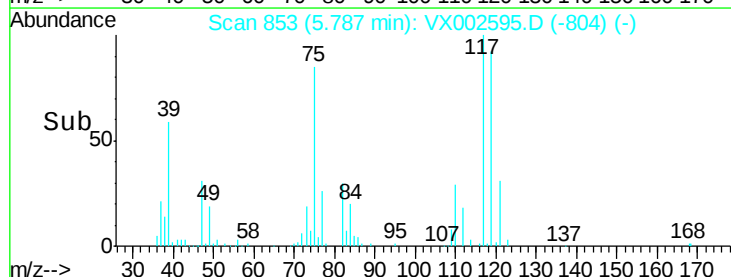
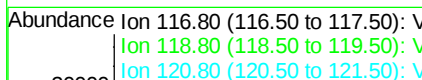
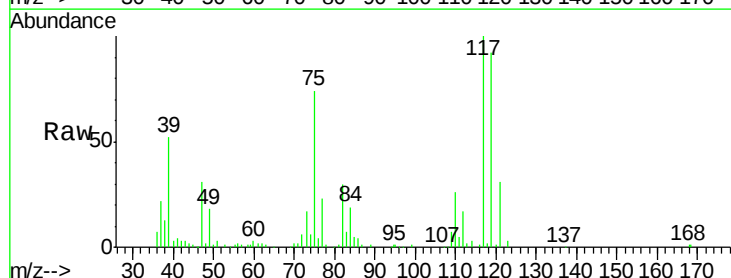
RT: 5.79 min Scan# 853

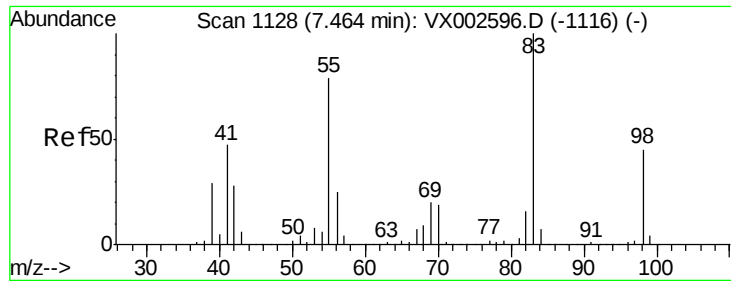
Delta R.T. -0.00 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

Tgt Ion:	117	Resp:	72491
Ion	Ratio	Lower	Upper
117	100		
119	92.2	77.4	116.0
121	31.0	24.4	36.6





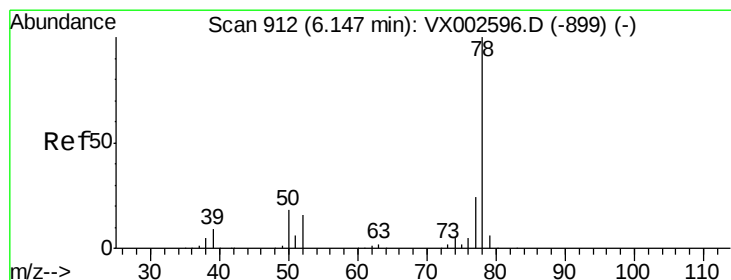
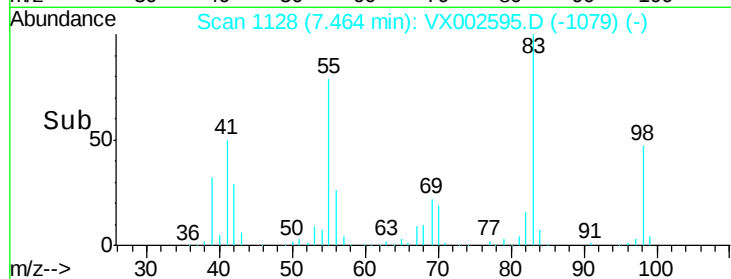
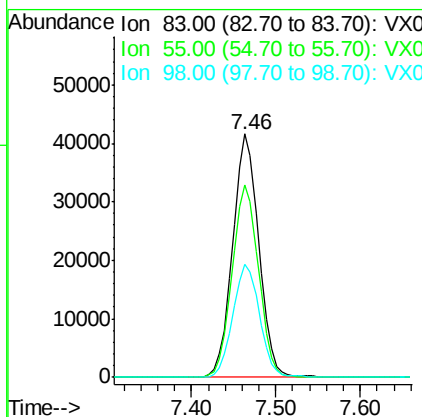
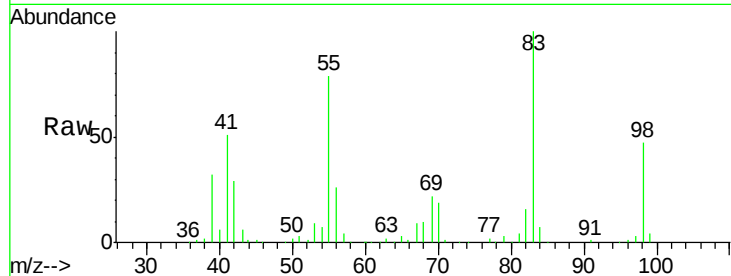
#39
Methvlcvclohexane
Concen: 21.42 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.2	65.4	98.0
98	46.7	37.4	56.0

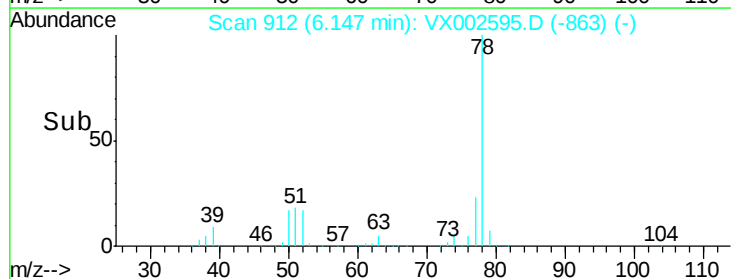
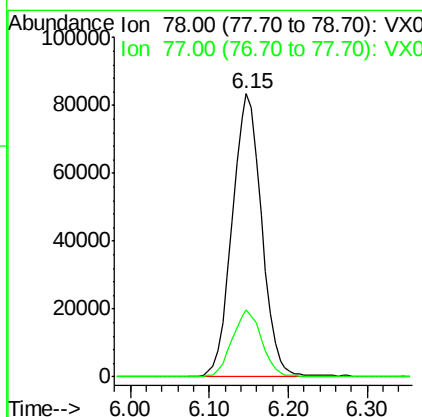
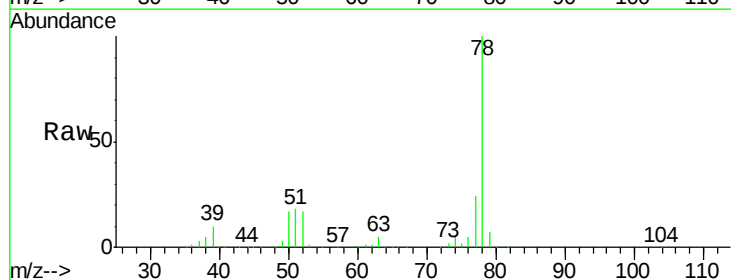
Manual Integrations
APPROVED

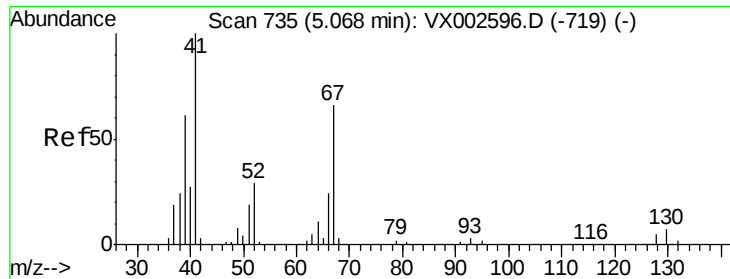
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#40
Benzene
Concen: 19.84 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7





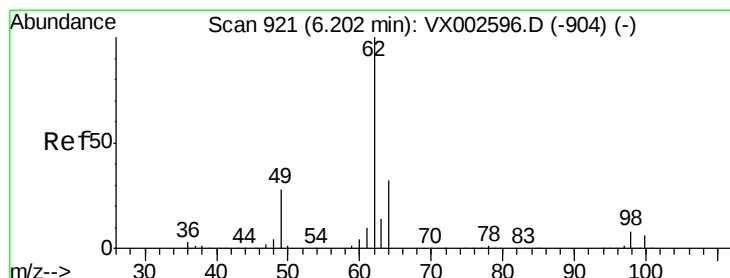
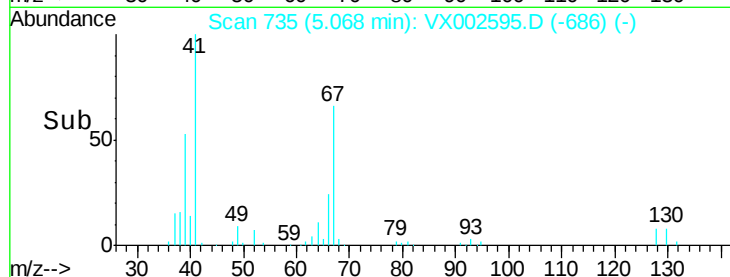
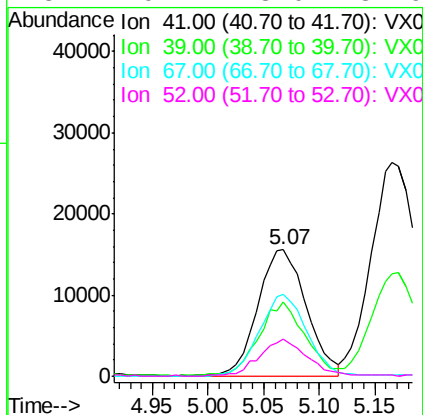
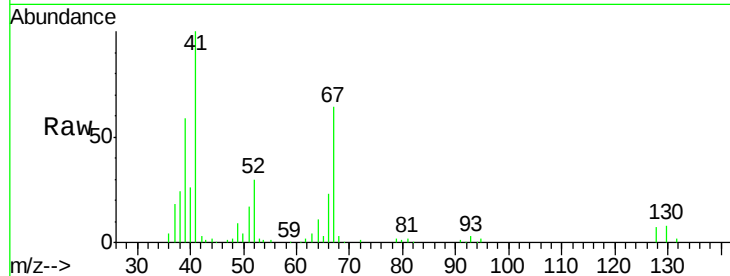
#41
Methacrylonitrile
Concen: 19.28 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.4	45.8	68.6	
67	63.3	51.3	76.9	
52	29.1	23.0	34.6	

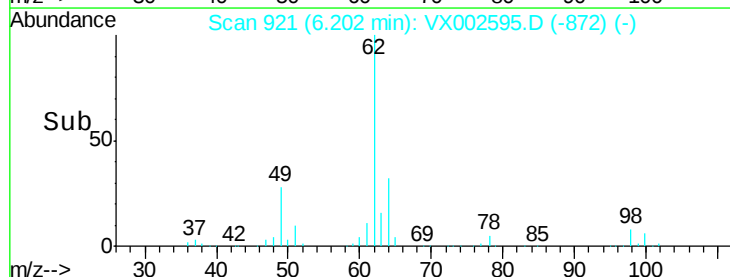
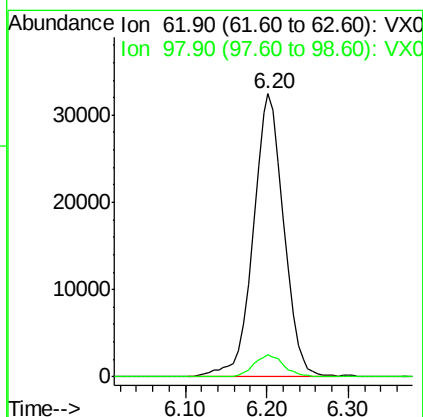
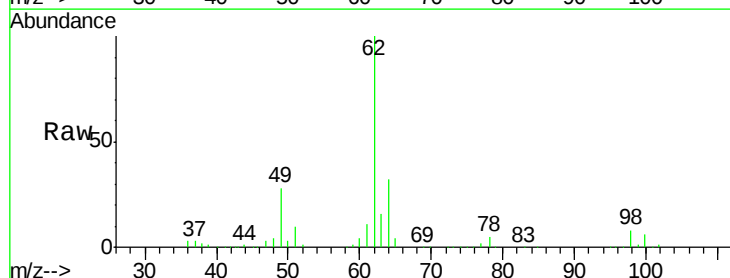
Manual Integrations
APPROVED

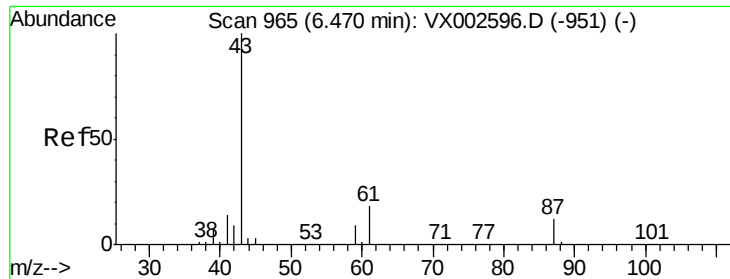
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.47 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.8	0.0	16.6	





#43

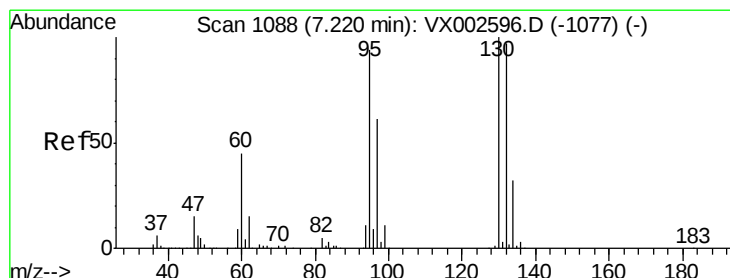
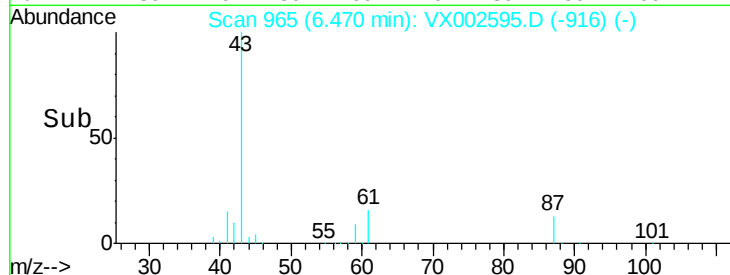
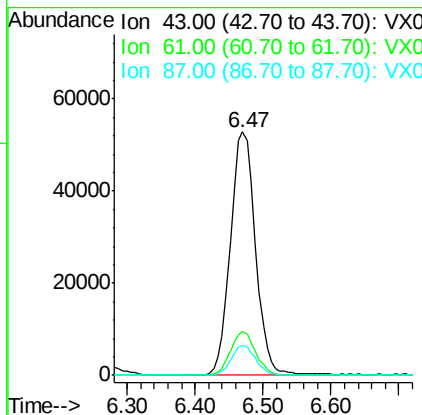
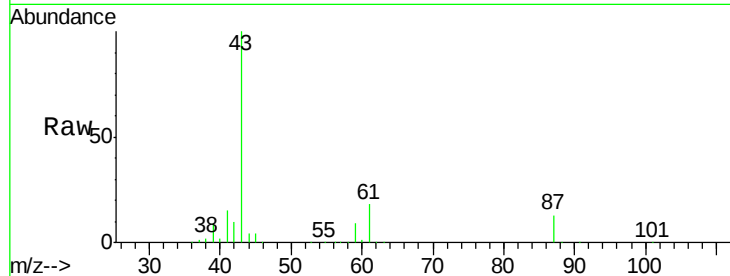
Isopropyl Acetate
 Concen: 18.50 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX002595.D
 Acq: 15 Jun 2018 12:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.4	21.6
87	12.2	9.5	14.3

Manual Integrations
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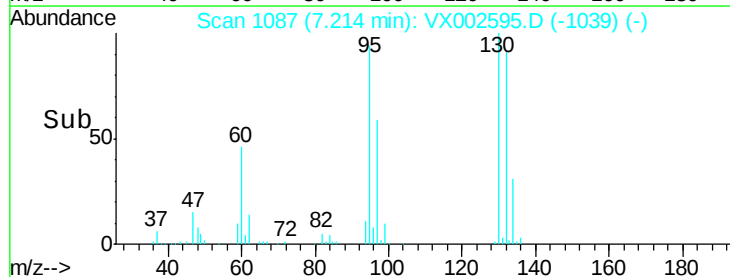
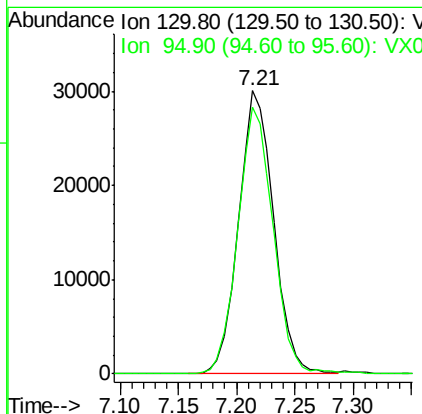
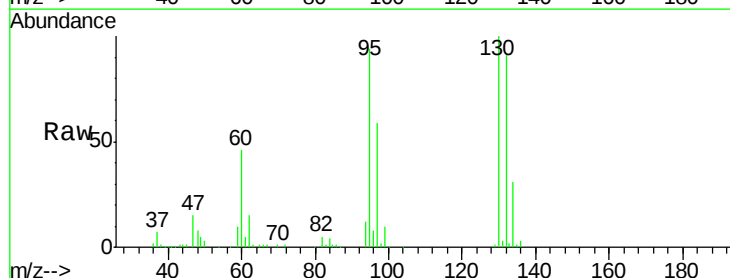
MMDadoda
 6/18/2018 5:11:58 PM



#44

Trichloroethene
 Concen: 20.76 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX002595.D
 Acq: 15 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	185.4





#45

1,2-Dichloropropane

Concen: 18.85 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 55731

Ion Ratio Lower Upper

63 100

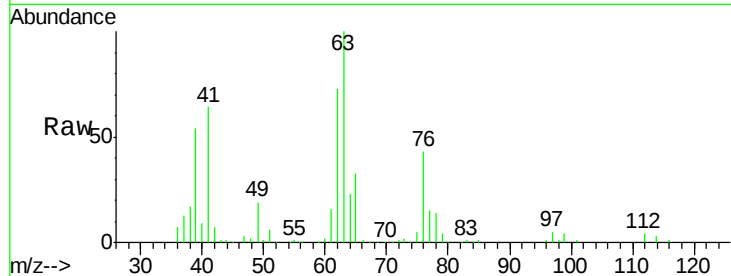
65 33.3 24.7 37.1

Manual Integrations

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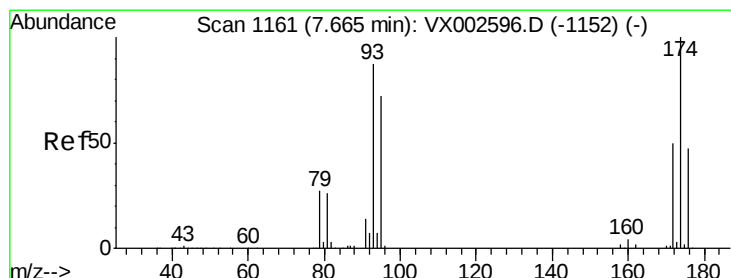
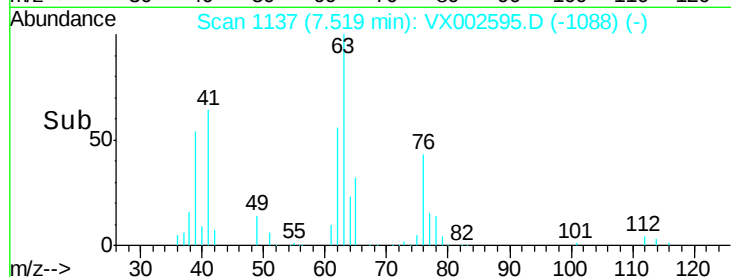
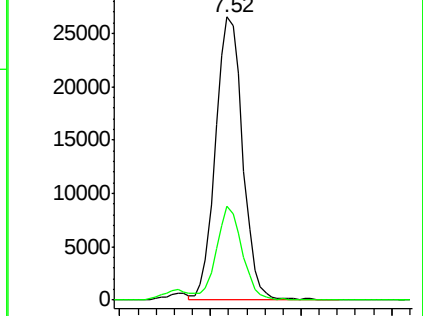
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.37 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

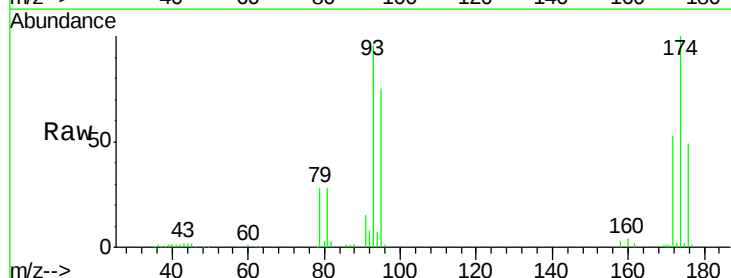
Tgt Ion: 93 Resp: 38812

Ion Ratio Lower Upper

93 100

95 82.5 65.9 98.9

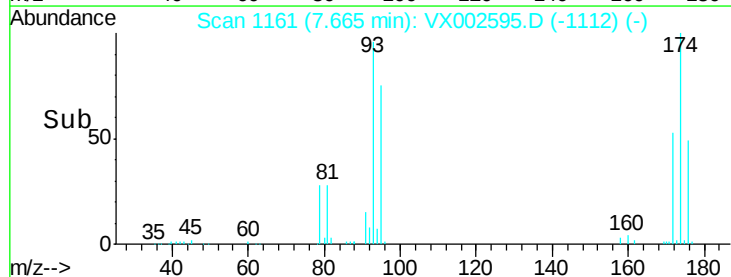
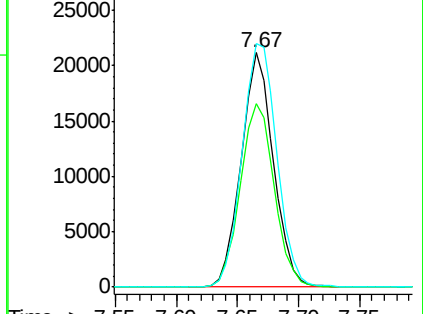
174 112.1 92.4 138.6

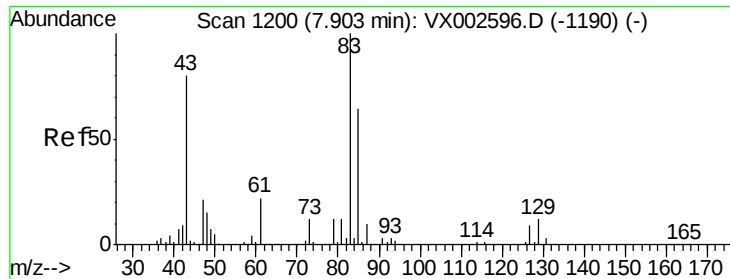


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.62 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

Instrument :

MSVOA_X

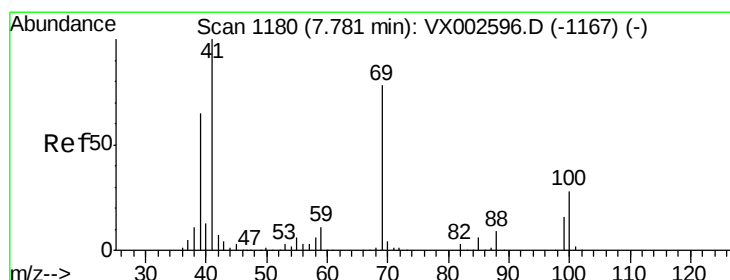
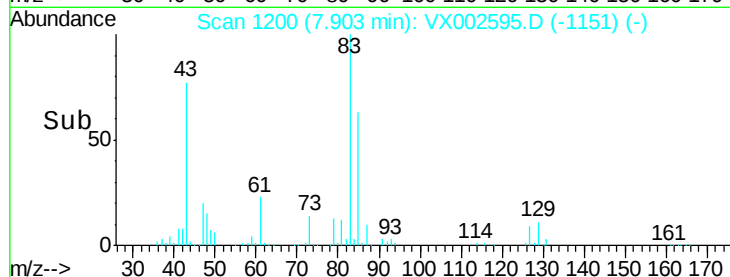
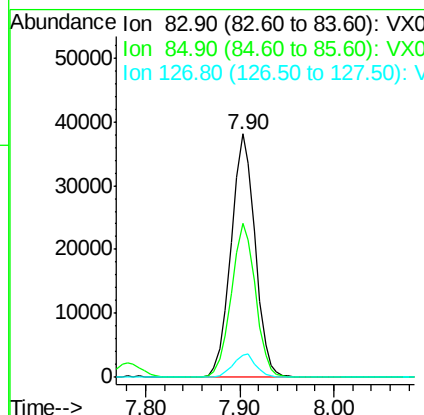
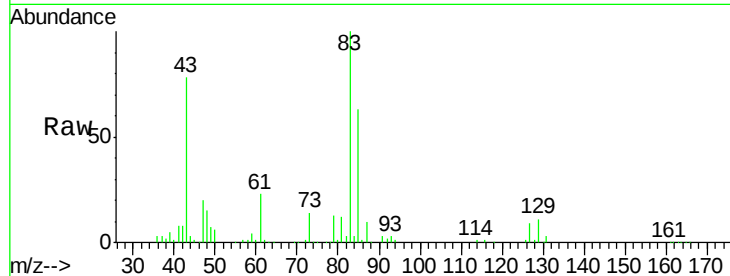
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	67472
Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.3	75.5
127	8.9	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.08 ug/l

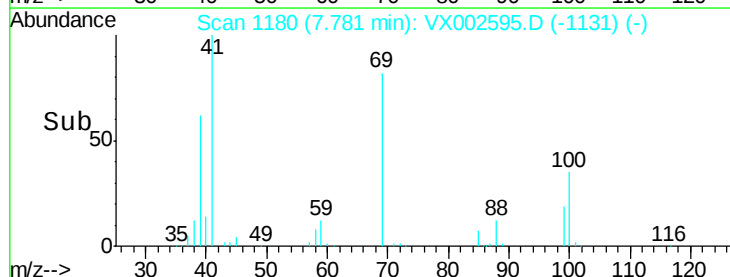
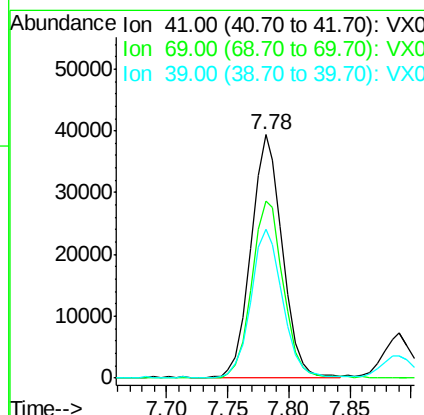
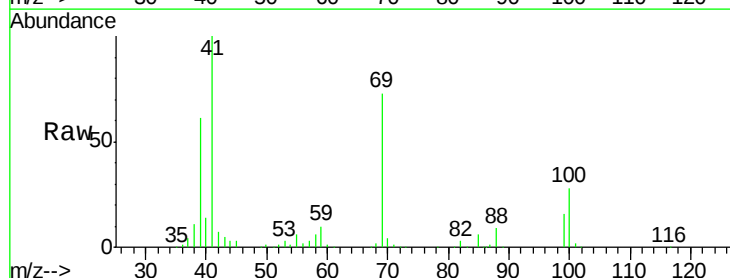
RT: 7.78 min Scan# 1180

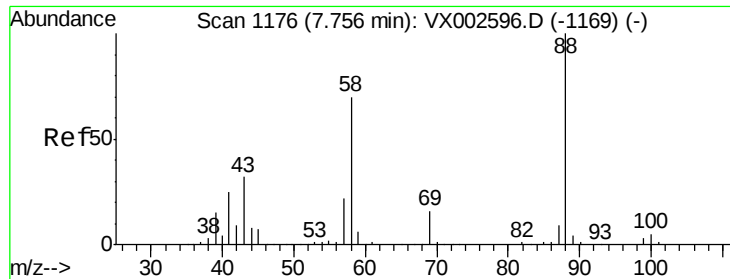
Delta R.T. -0.00 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

Tgt Ion:	41	Resp:	69892
Ion	Ratio	Lower	Upper
41	100		
69	74.5	59.1	88.7
39	62.2	48.9	73.3





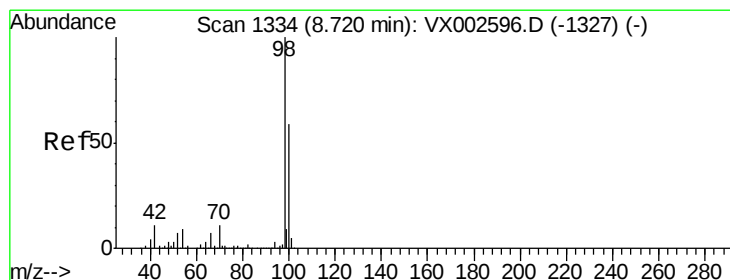
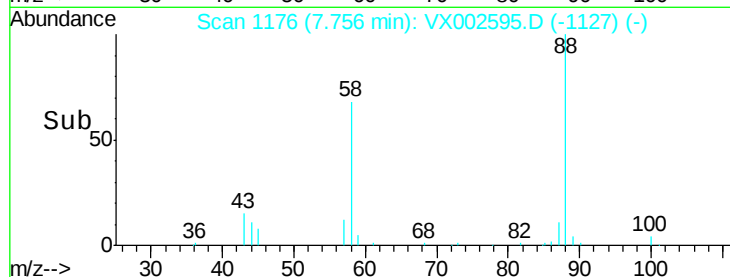
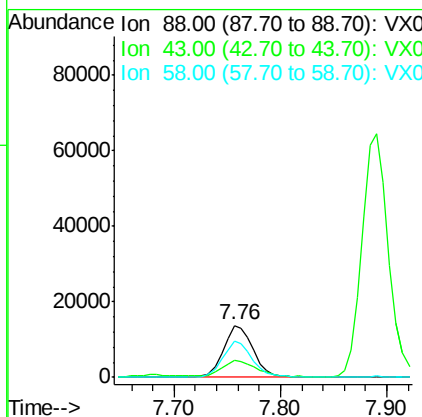
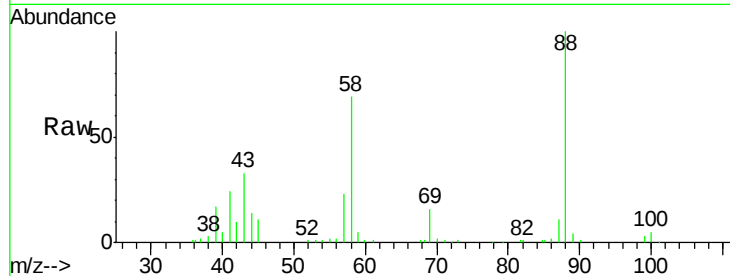
#49
1,4-Dioxane
Concen: 391.57 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.5	29.8	44.6
58	68.7	57.1	85.7

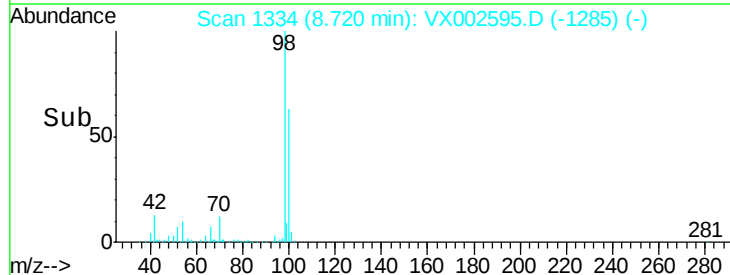
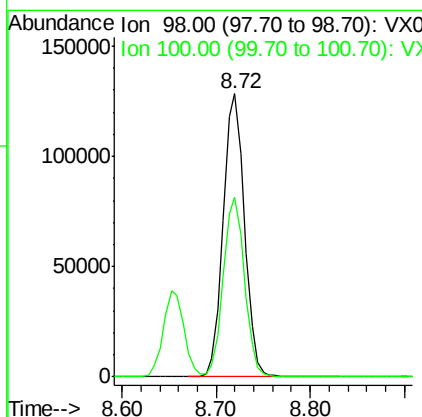
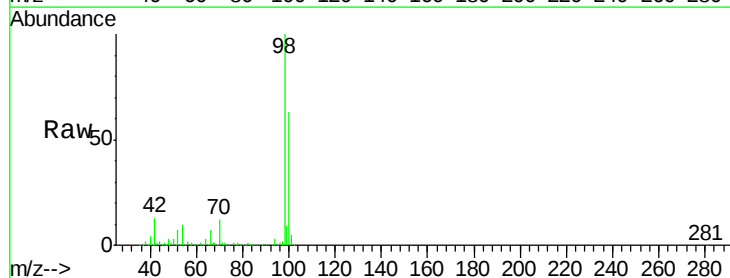
Manual Integrations
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#50
Toluene-d8
Concen: 19.60 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.9	76.3





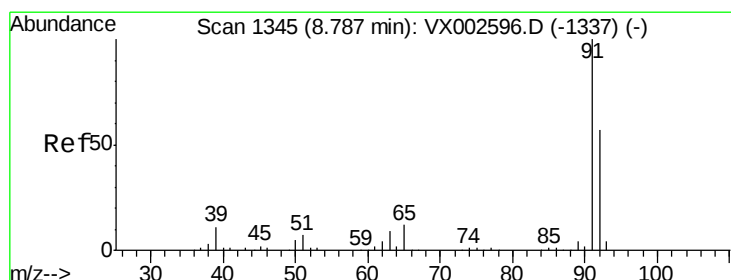
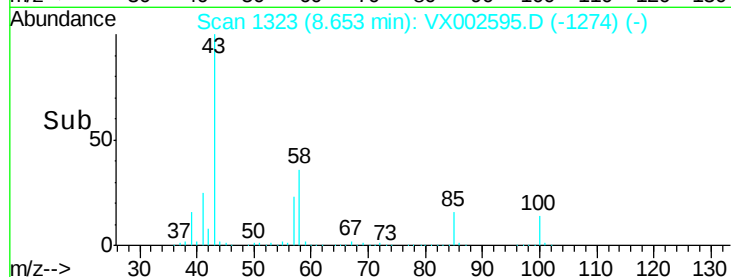
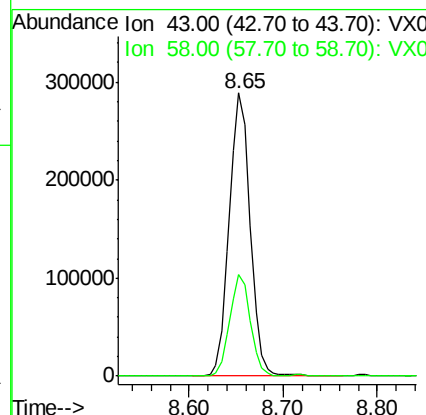
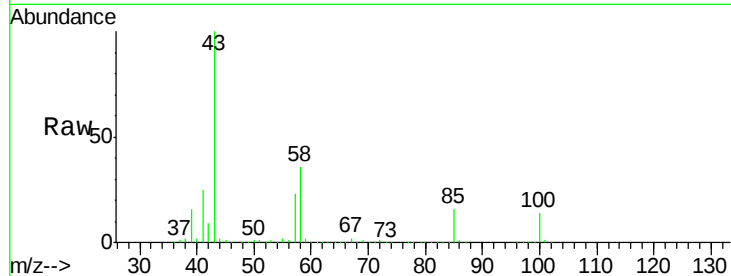
#51
4-Methyl-2-Pentanone
Concen: 98.46 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 447226
Ion Ratio Lower Upper
43 100
58 35.4 28.6 42.8

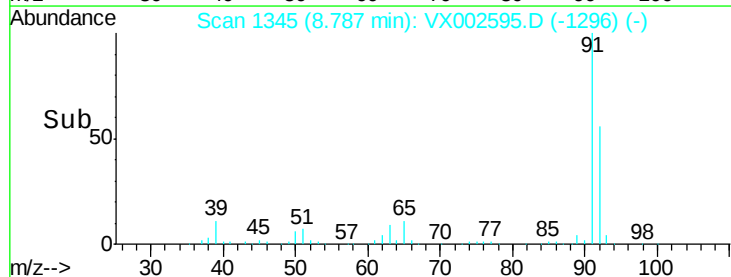
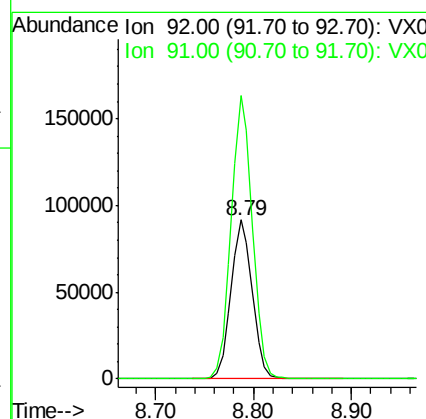
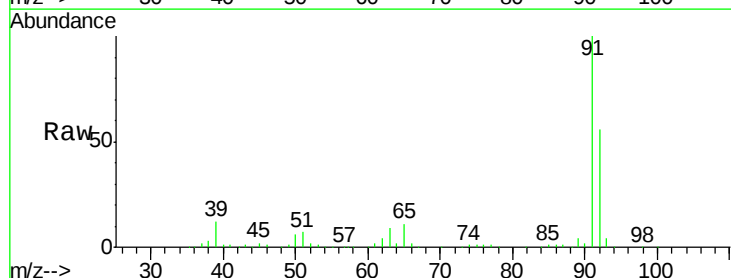
Manual Integrations
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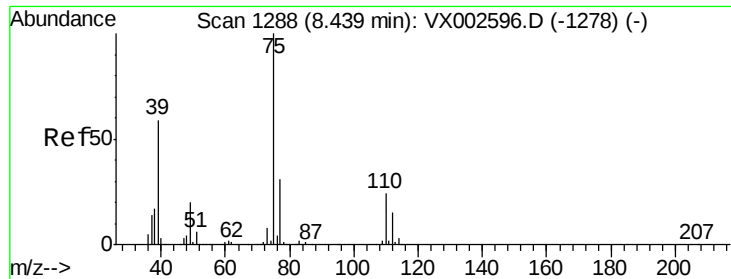
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#52
Toluene
Concen: 19.88 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Tgt Ion: 92 Resp: 138422
Ion Ratio Lower Upper
92 100
91 177.3 140.4 210.6





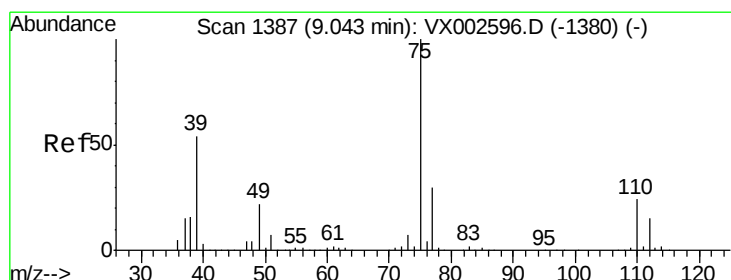
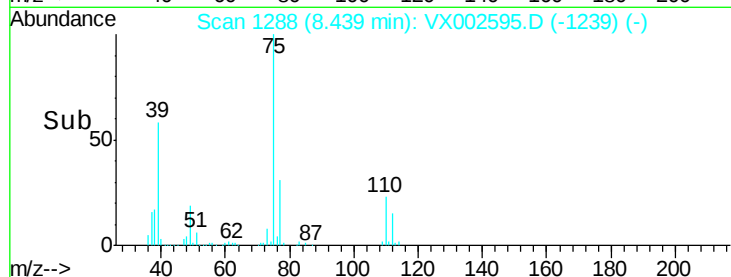
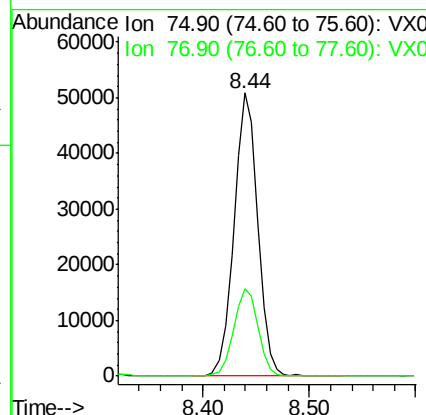
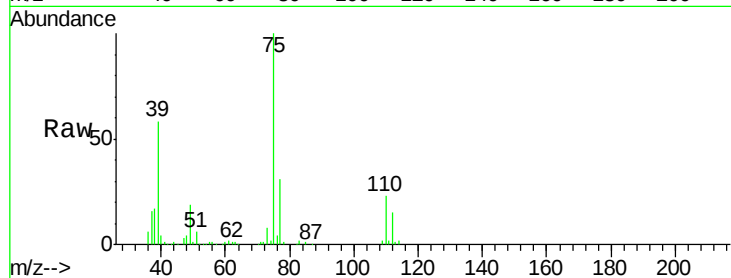
#53
t-1,3-Dichloropropene
Concen: 18.27 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion: 75 Resp: 79402
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.2

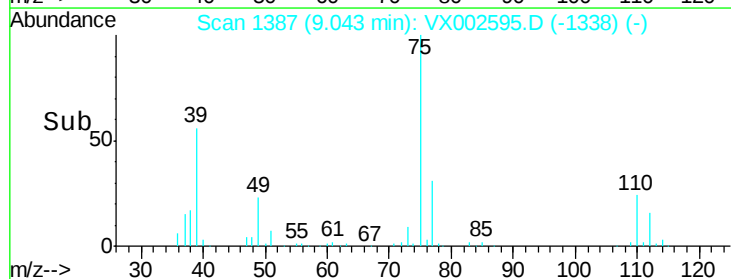
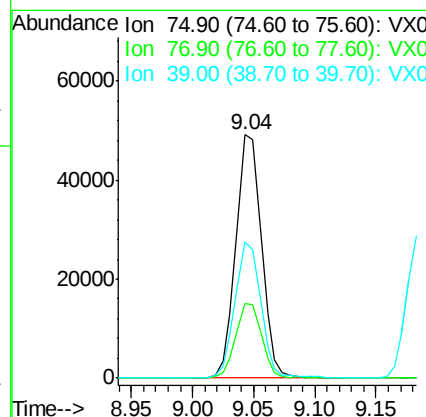
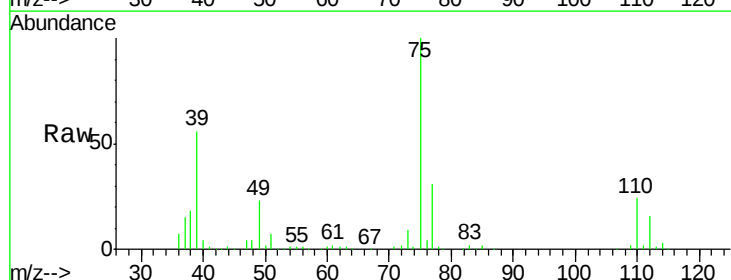
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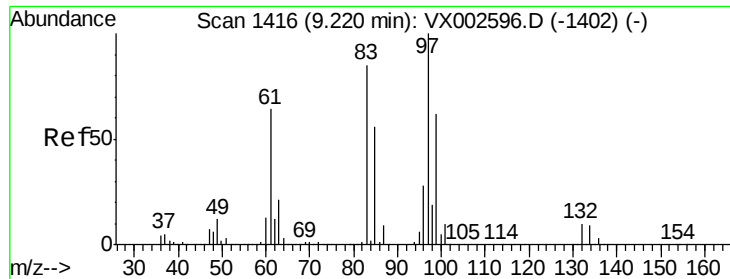
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#54
cis-1,3-Dichloropropene
Concen: 17.39 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Tgt Ion: 75 Resp: 71316
Ion Ratio Lower Upper
75 100
77 30.9 24.8 37.2
39 55.7 42.4 63.6





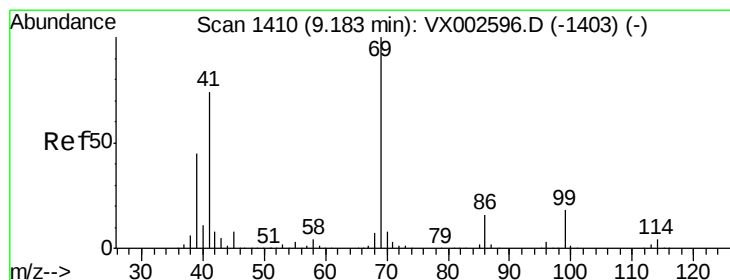
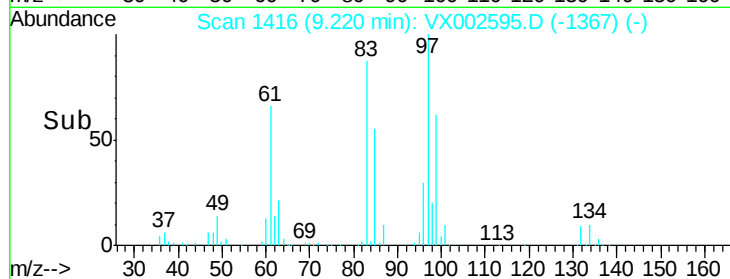
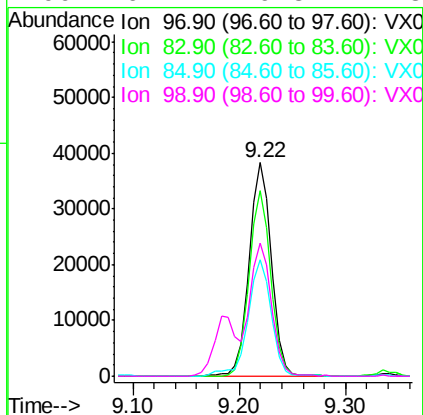
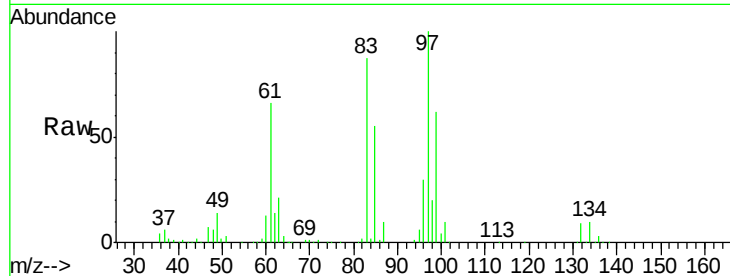
#55
 1,1,2-Trichloroethane
 Concen: 19.72 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002595.D
 Acq: 15 Jun 2018 12:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	87.1	70.2	105.2	
85	54.6	44.9	67.3	
99	62.2	49.8	74.8	

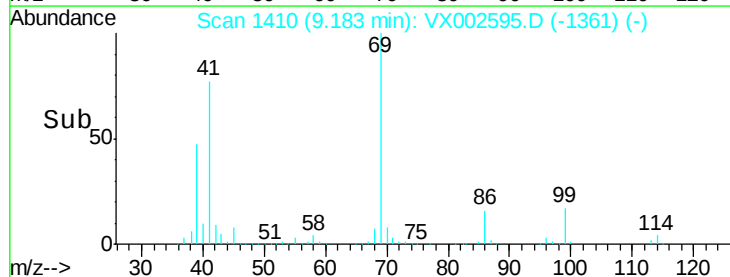
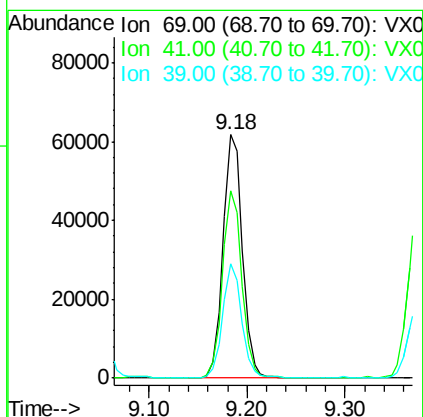
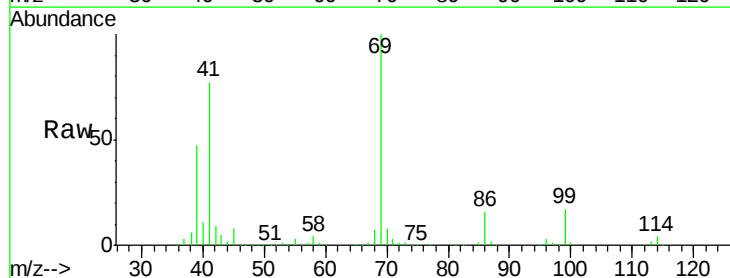
Manual Integrations
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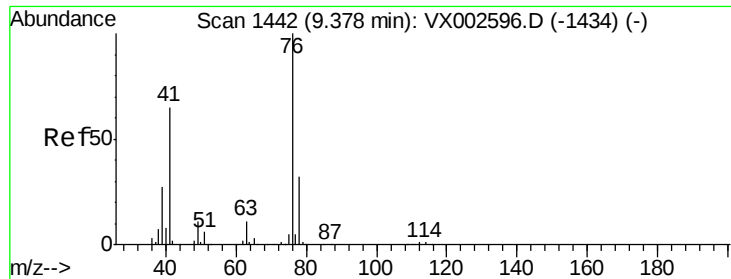
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#56
 Ethyl methacrylate
 Concen: 18.66 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002595.D
 Acq: 15 Jun 2018 12:28

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	75.7	60.3	90.5	
39	45.1	35.8	53.8	





#57

1,3-Dichloropropane

Concen: 19.58 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 94086

Ion Ratio Lower Upper

76 100

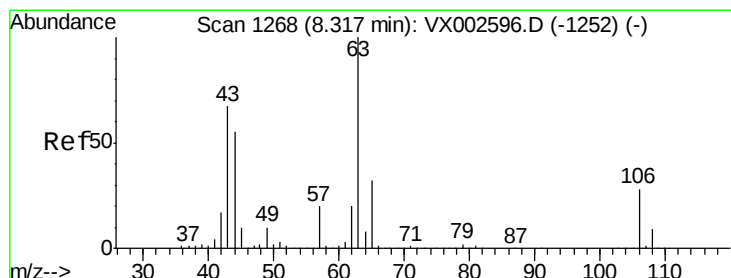
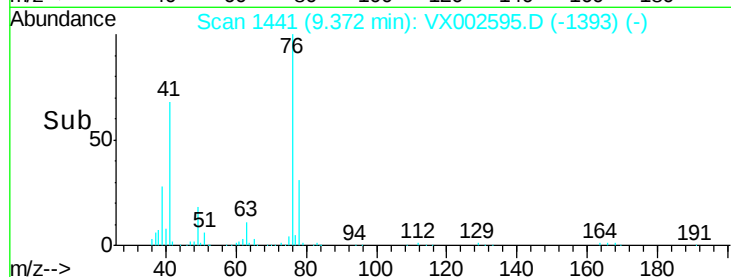
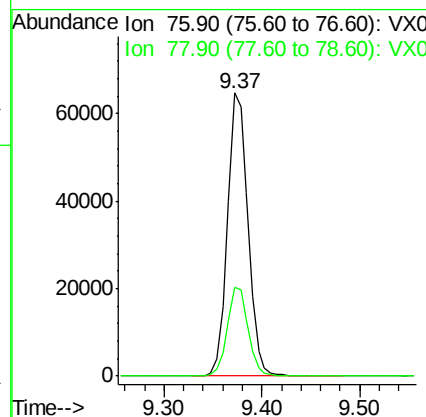
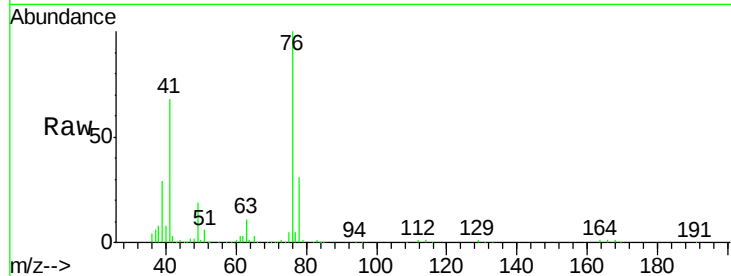
78 31.8 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 100.28 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002595.D

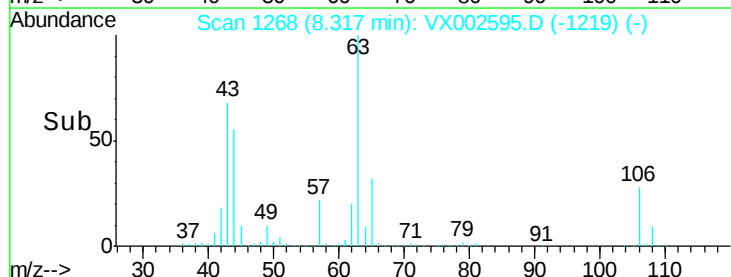
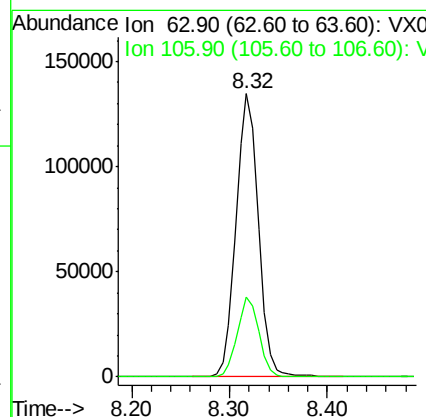
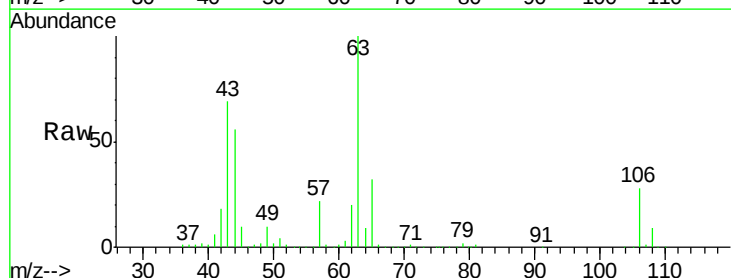
Acq: 15 Jun 2018 12:28

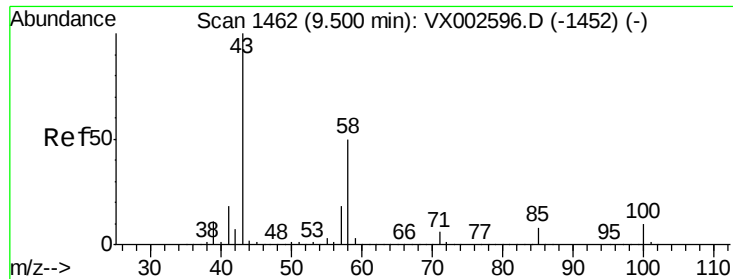
Tgt Ion: 63 Resp: 212237

Ion Ratio Lower Upper

63 100

106 27.6 21.8 32.8





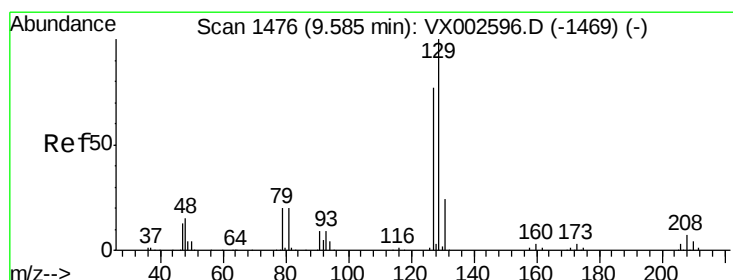
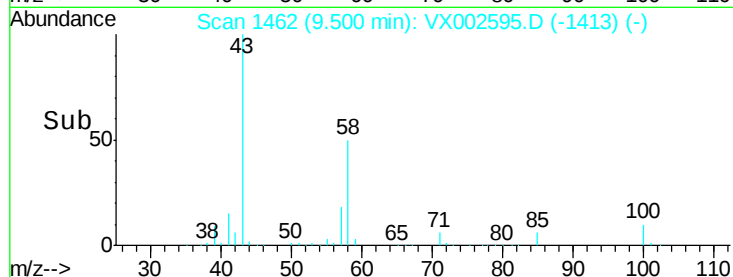
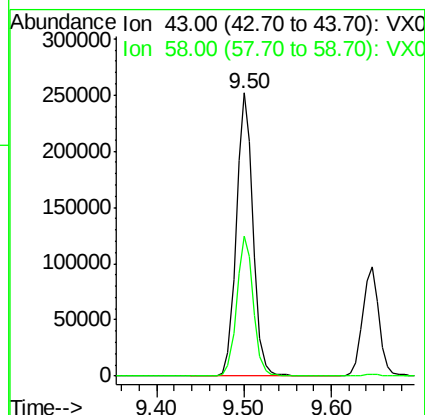
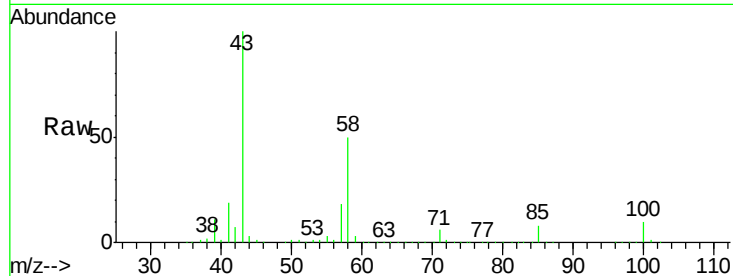
#59
2-Hexanone
Concen: 96.35 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	49.3	24.6	73.6	

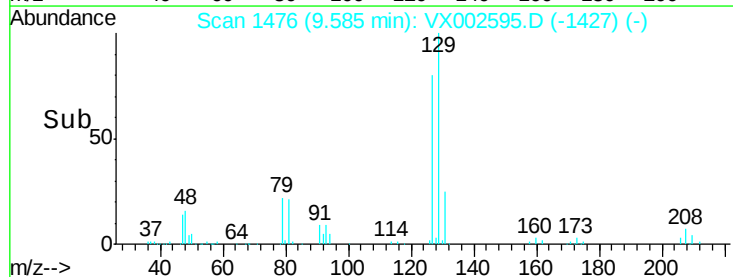
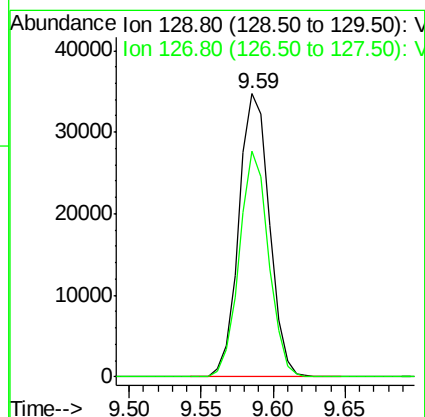
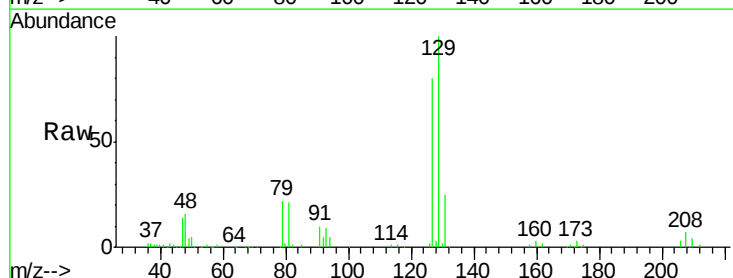
Manual Integrations
APPROVED

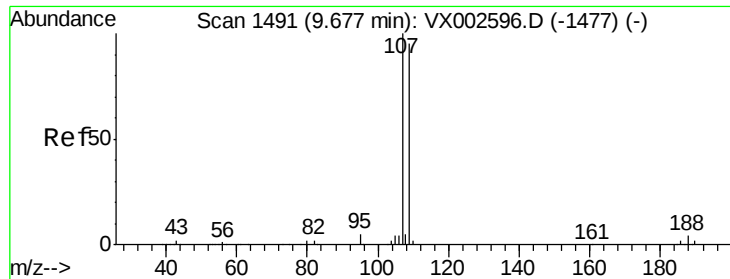
MMDadoda
6/18/2018 5:11:58 PM



#60
Dibromochloromethane
Concen: 17.80 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	76.5	38.5	115.3	





#61

1,2-Dibromoethane

Concen: 19.76 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 59001

Ion Ratio Lower Upper

107 100

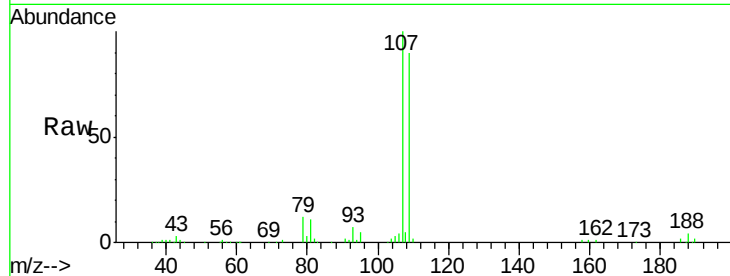
109 93.0 75.3 112.9

Manual Integrations

APPROVED

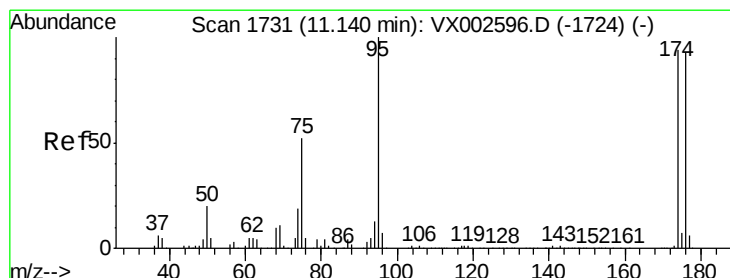
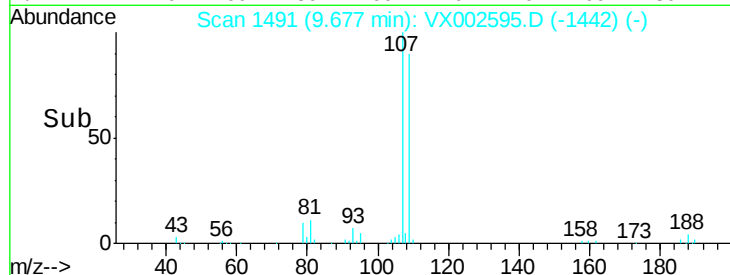
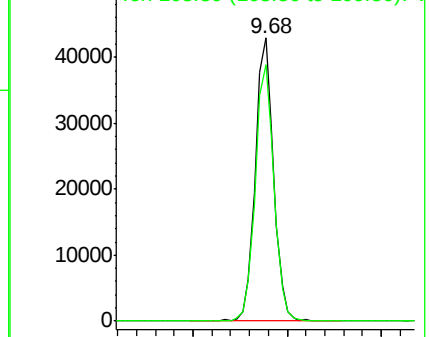
MMDadoda

6/18/2018 5:11:58 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 18.61 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

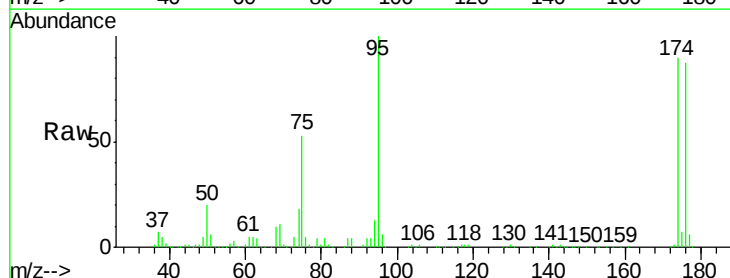
Tgt Ion: 95 Resp: 73486

Ion Ratio Lower Upper

95 100

174 93.2 0.0 187.4

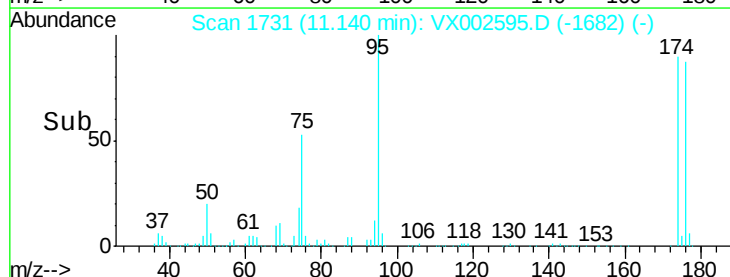
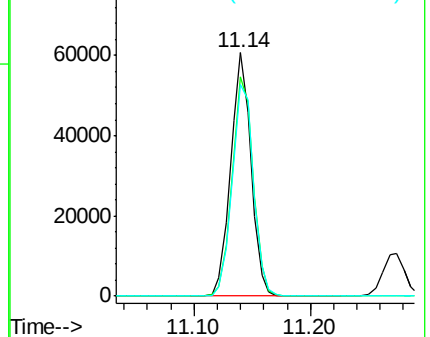
176 91.6 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





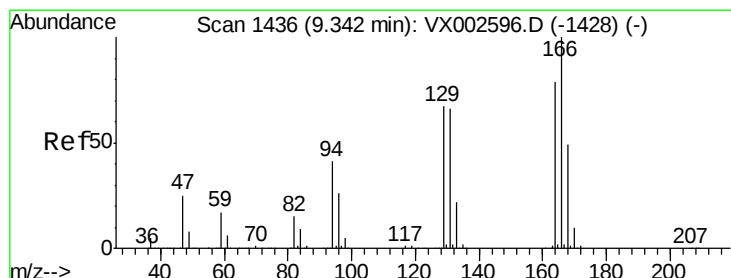
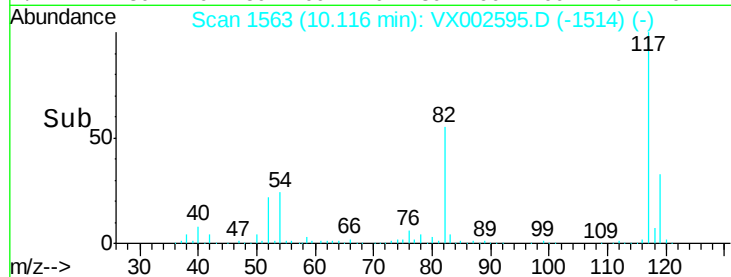
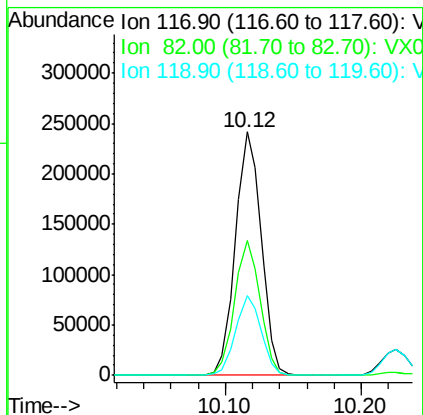
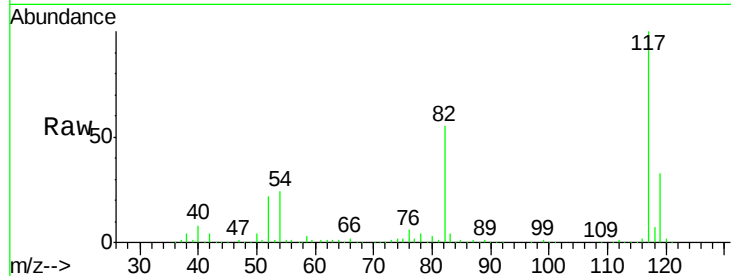
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	45.0	67.4
119	32.6	25.8	38.6

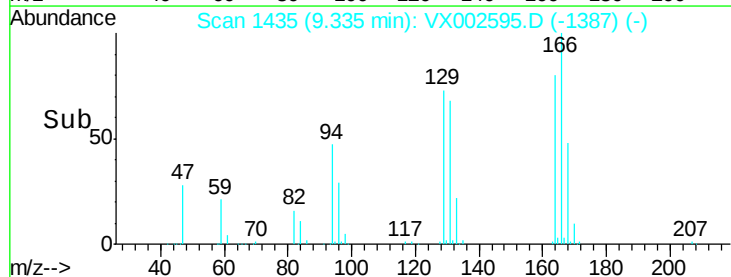
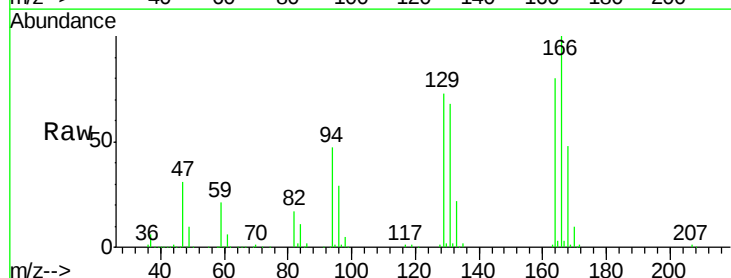
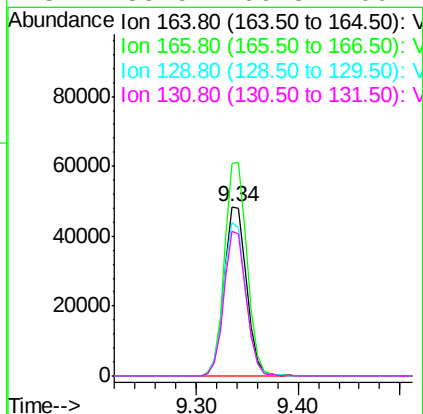
Manual Integrations
APPROVED

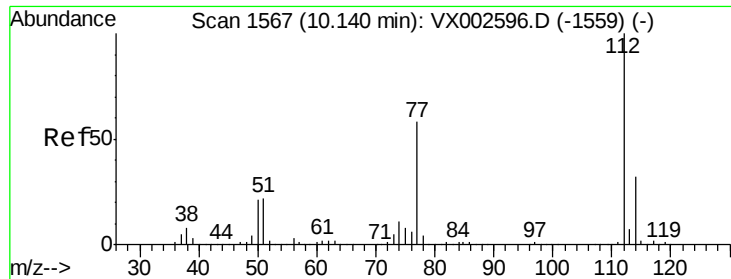
MMDadoda
6/18/2018 5:11:58 PM



#64
Tetrachloroethene
Concen: 22.16 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	102.9	154.3
129	91.0	68.6	102.8
131	85.5	66.8	100.2





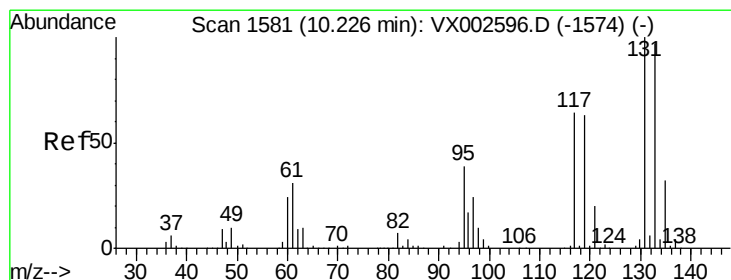
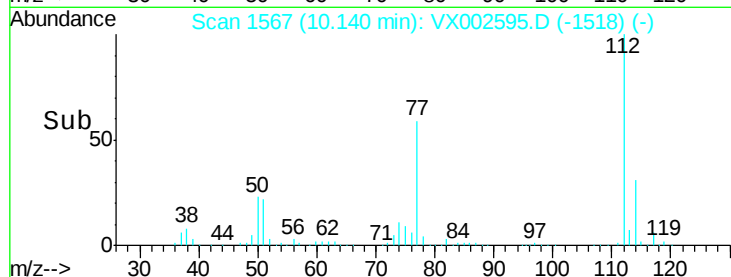
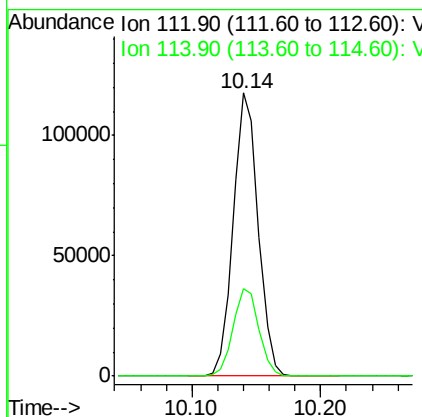
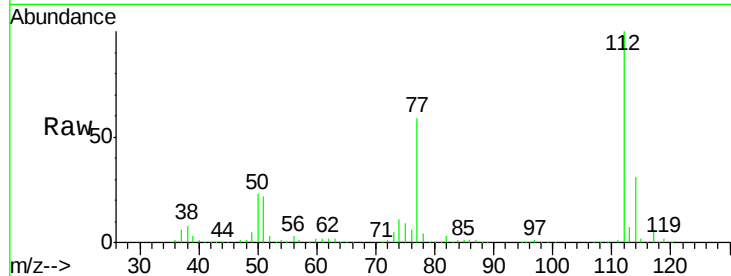
#65
Chlorobenzene
Concen: 19.94 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 159036
Ion Ratio Lower Upper
112 100
114 31.1 25.3 37.9

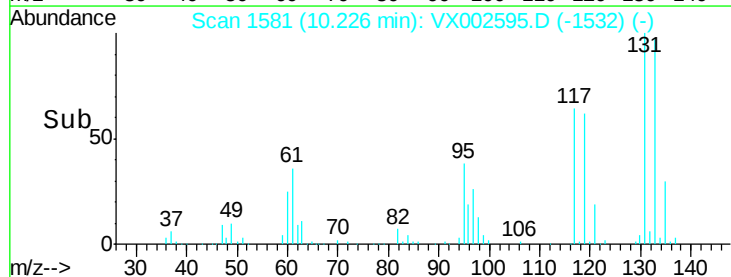
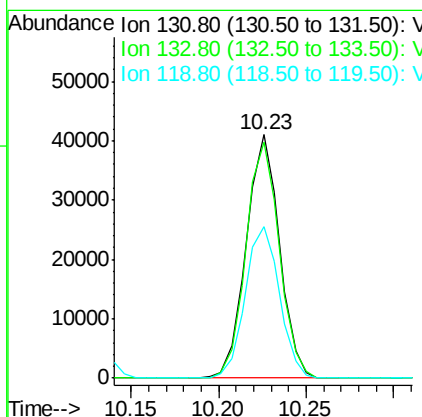
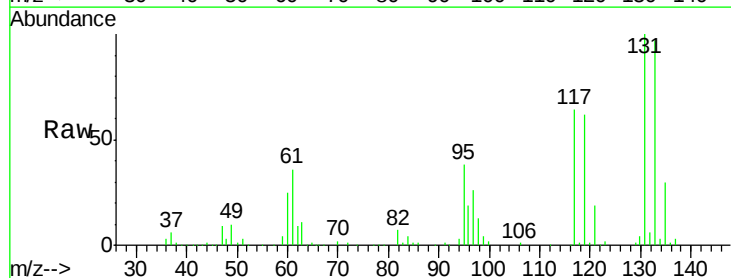
Manual Integrations
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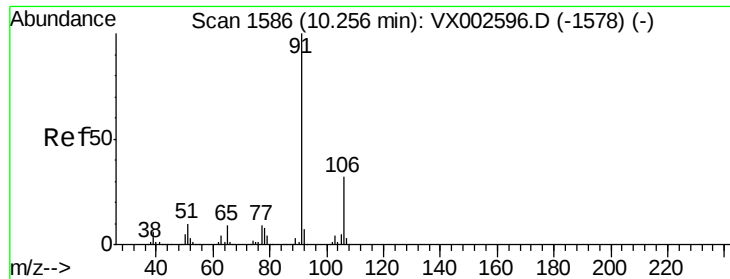
MMDadoda
6/18/2018 5:11:58 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.77 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Tgt Ion:131 Resp: 54219
Ion Ratio Lower Upper
131 100
133 97.3 47.9 143.6
119 64.2 31.8 95.3





#67

Ethyl Benzene

Concen: 20.51 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 273808

Ion Ratio Lower Upper

91 100

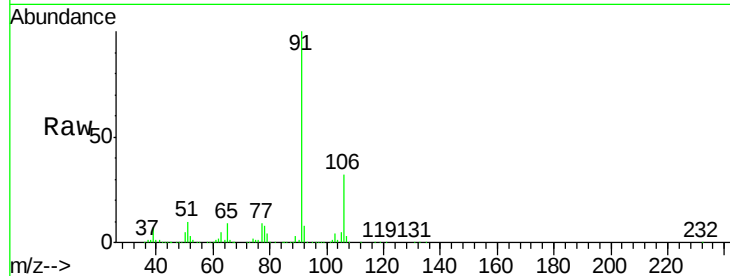
106 31.7 25.5 38.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX002596.D (-1578) (-)

Ion 106.00 (105.70 to 106.70): VX002596.D (-1578) (-)

300000

200000

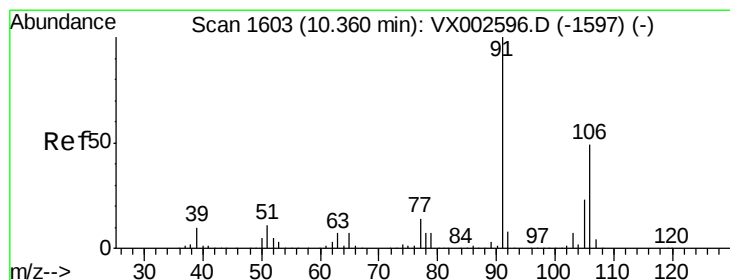
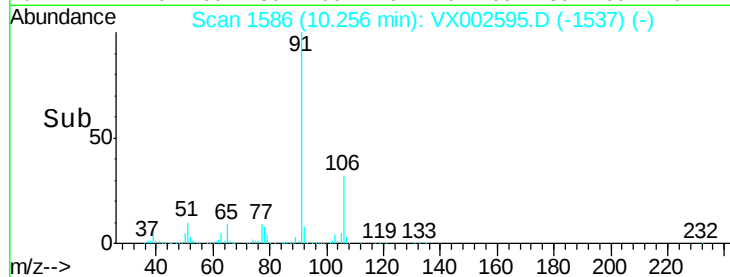
100000

0

10.20

10.30

Time-->



#68

m/p-Xylenes

Concen: 40.17 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX002595.D

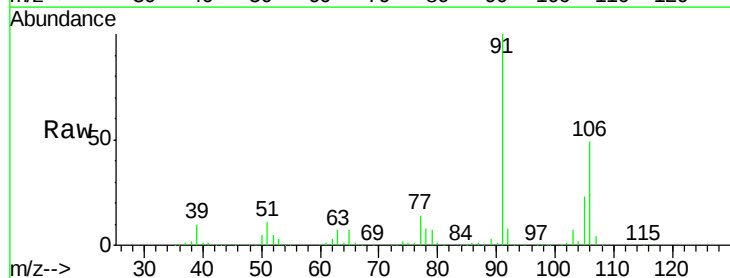
Acq: 15 Jun 2018 12:28

Tgt Ion: 106 Resp: 208432

Ion Ratio Lower Upper

106 100

91 205.6 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): VX002596.D (-1597) (-)

Ion 91.00 (90.70 to 91.70): VX002596.D (-1597) (-)

300000

200000

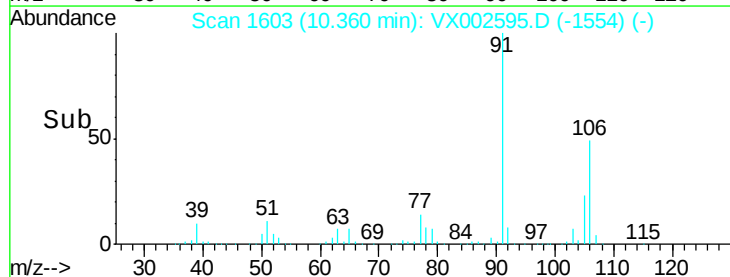
100000

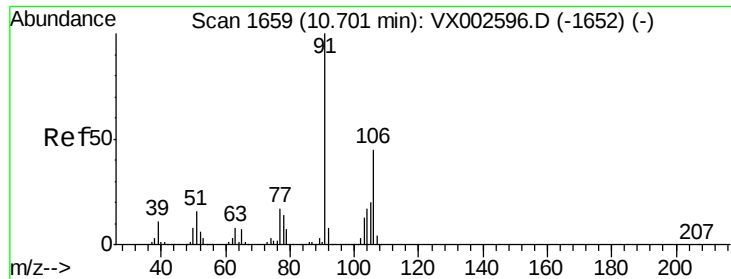
0

10.30

10.40

Time-->





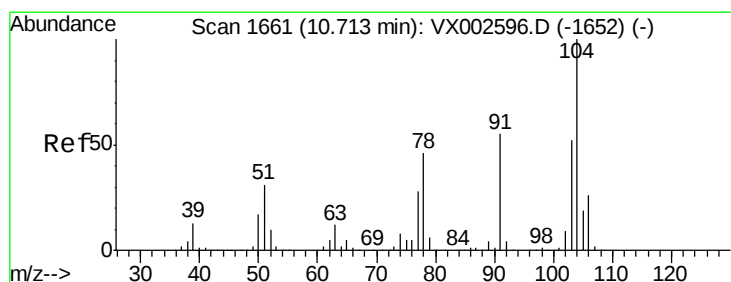
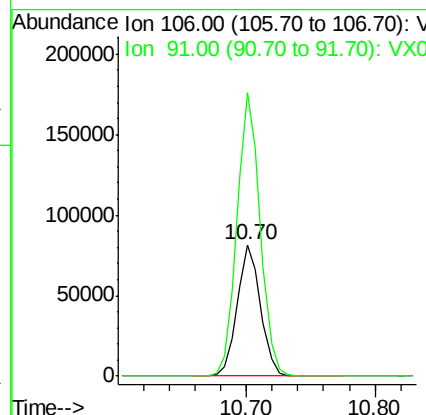
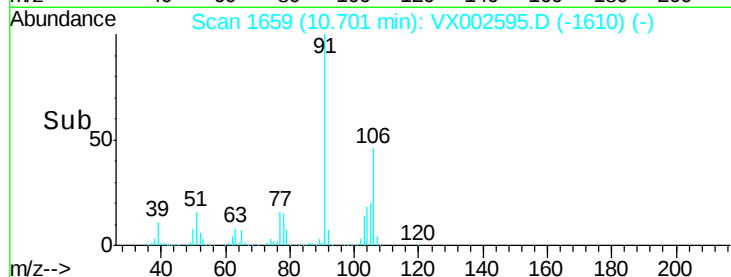
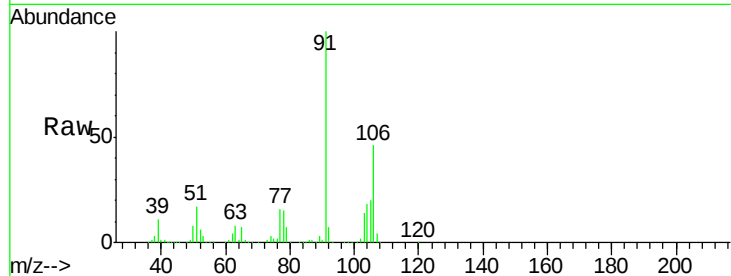
#69
o-Xylene
Concen: 20.03 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	213.5	108.2	324.6		

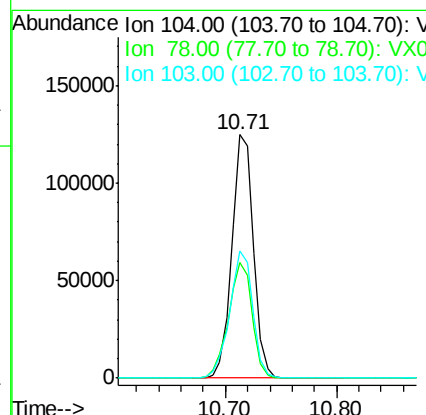
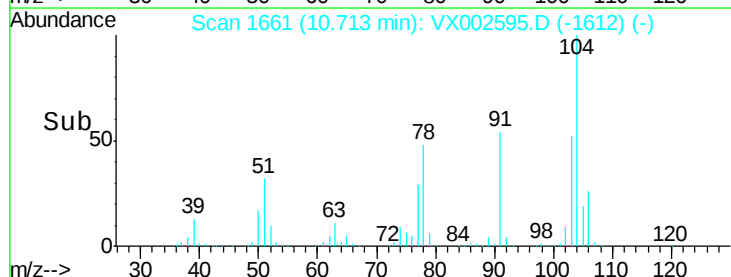
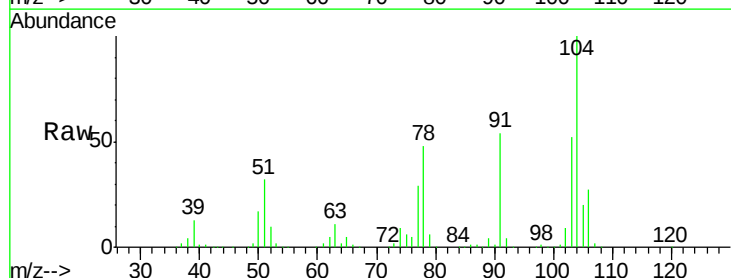
Manual Integrations
APPROVED

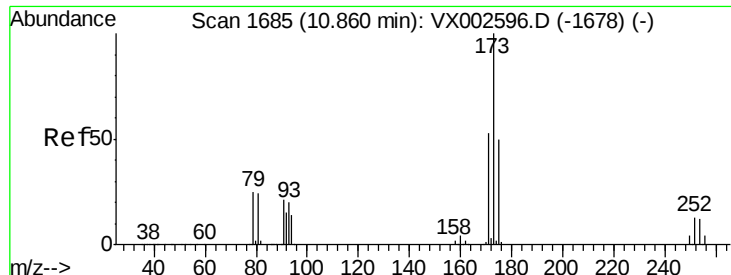
MMDadoda
6/18/2018 5:11:58 PM



#70
Styrene
Concen: 19.77 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	52.2	41.0	61.6		
103	56.1	44.2	66.4		





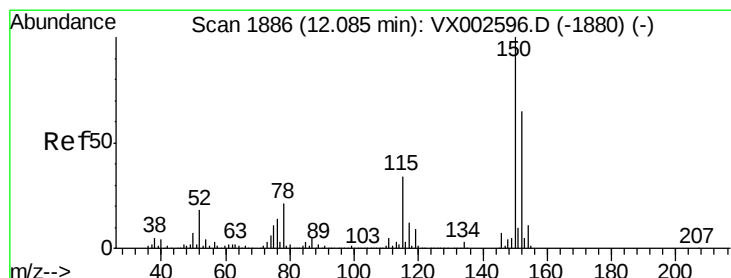
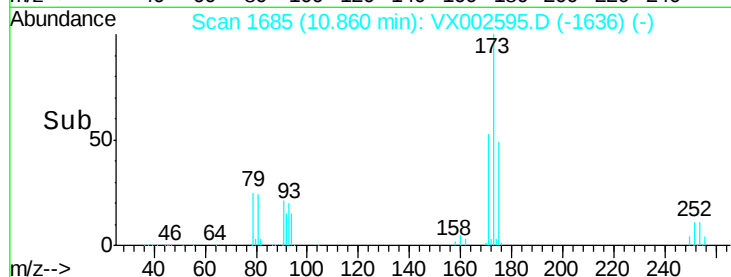
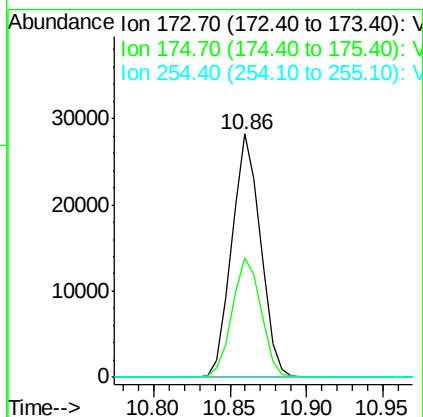
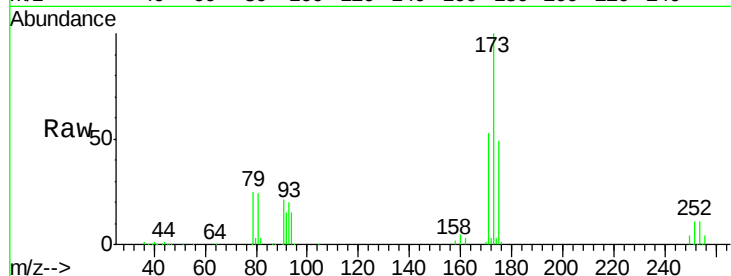
#71
Bromoform
Concen: 16.03 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.7	74.1
254	0.1	0.2	0.2

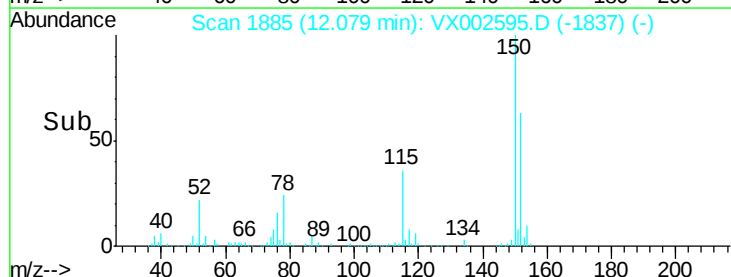
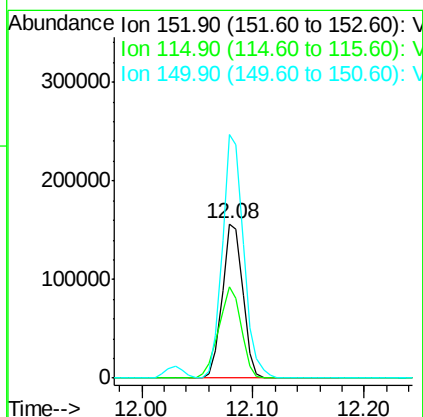
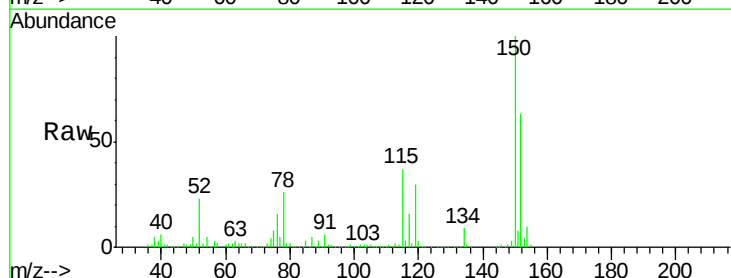
Manual Integrations
APPROVED

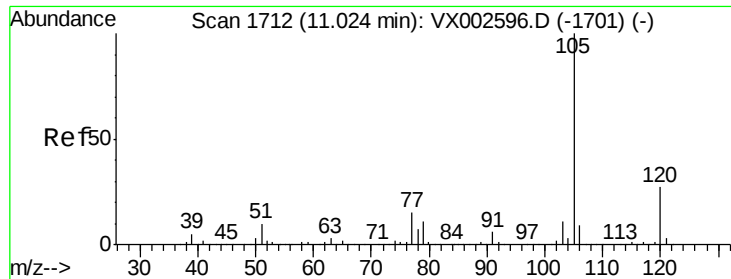
MMDadoda
6/18/2018 5:11:58 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.8	40.1	120.2
150	163.6	0.0	347.2





#73

Isopropylbenzene

Concen: 20.06 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 278421

Ion Ratio Lower Upper

105 100

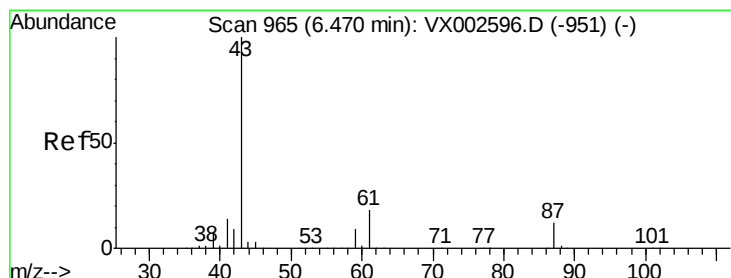
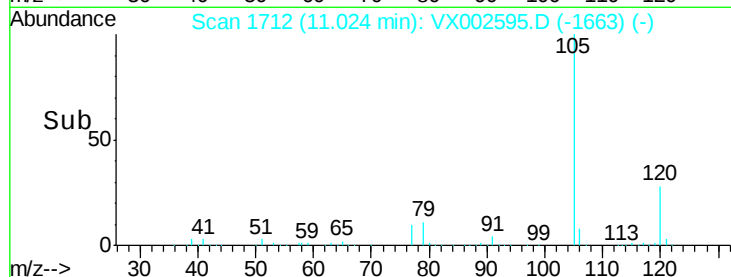
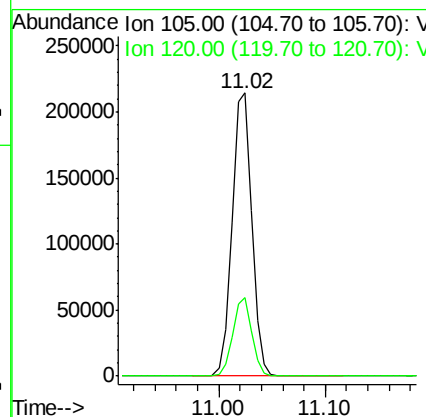
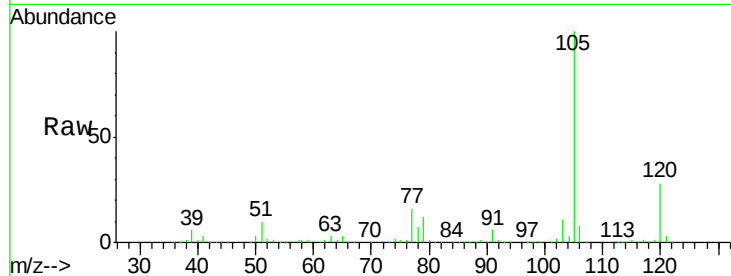
120 26.7 13.5 40.4

Manual Integrations

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MMDadoda

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#74

N-ethyl acetate

Concen: 18.04 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

Tgt Ion: 43 Resp: 134928

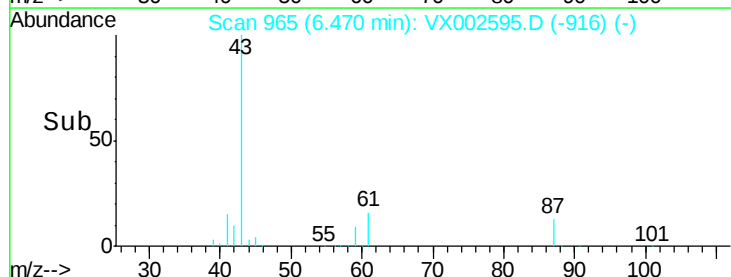
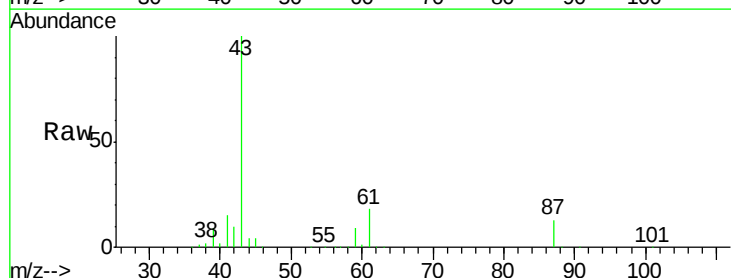
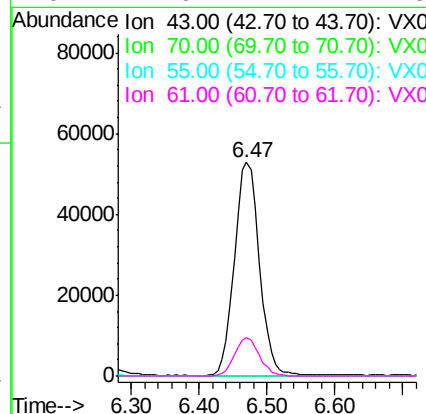
Ion Ratio Lower Upper

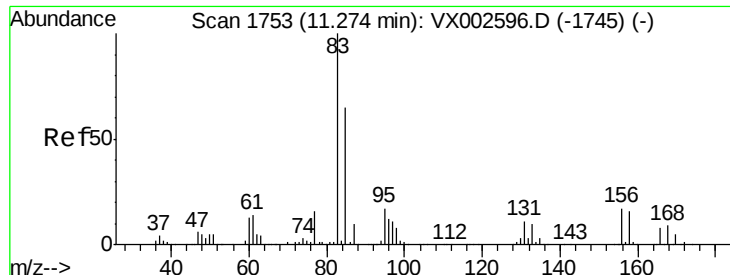
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 17.9 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.53 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

Instrument :

MSVOA_X

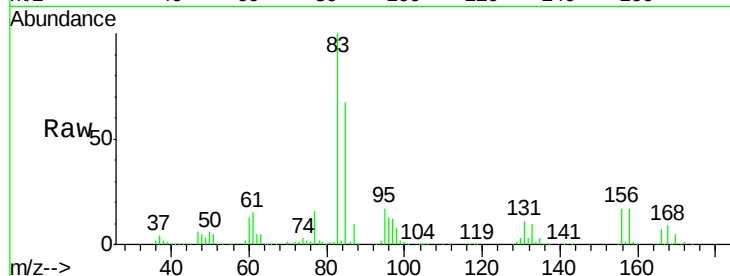
ClientSampleId :

VSTDIC020

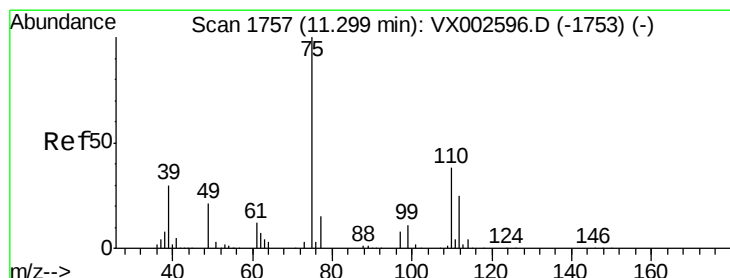
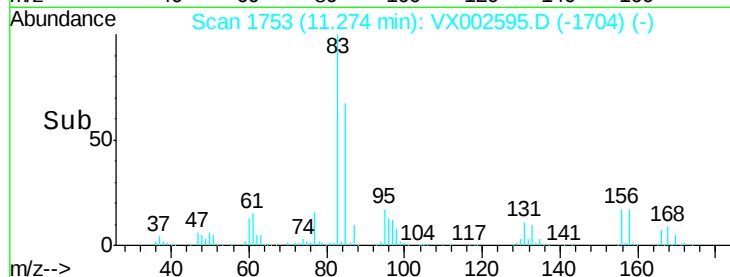
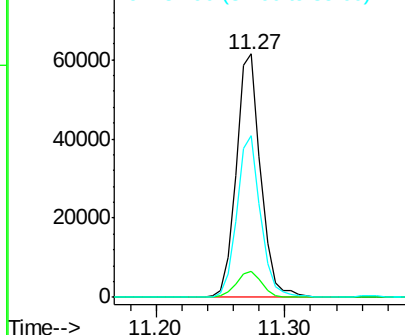
Tot Ion:	83	Resp:	80904
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.6	16.8
85	64.8	32.4	97.2

Manual Integrations
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6/18/2018 5:11:58 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 16.87 ug/l m

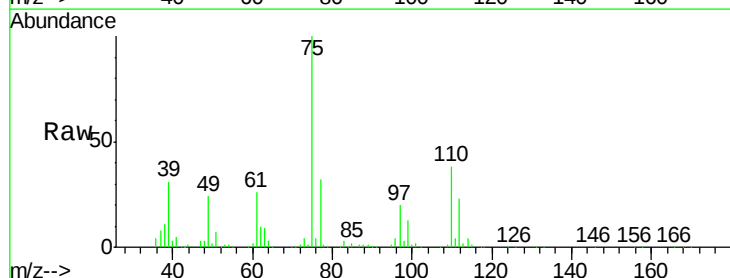
RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

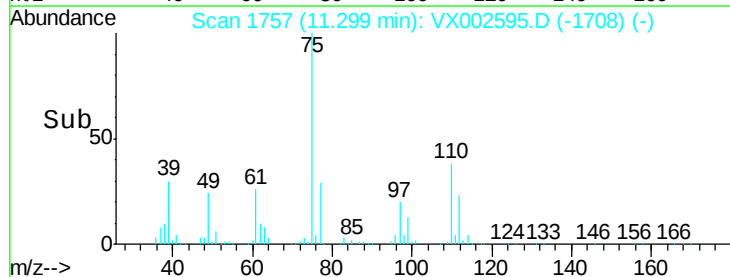
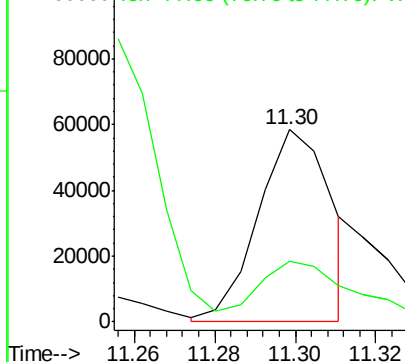
Lab File: VX002595.D

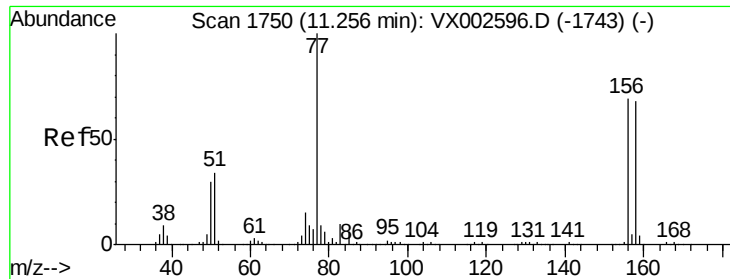
Acq: 15 Jun 2018 12:28

Tgt Ion:	75	Resp:	73847
Ion Ratio	Lower	Upper	
75	100		
77	41.4	22.8	68.3



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





#77

Bromobenzene

Concen: 19.07 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 74289

Ion Ratio Lower Upper

156 100

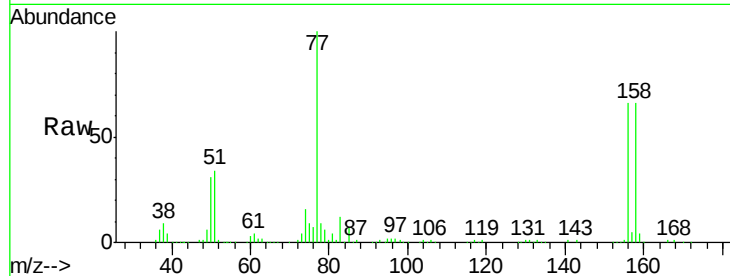
77 143.0 71.4 214.2

158 98.8 48.9 146.6

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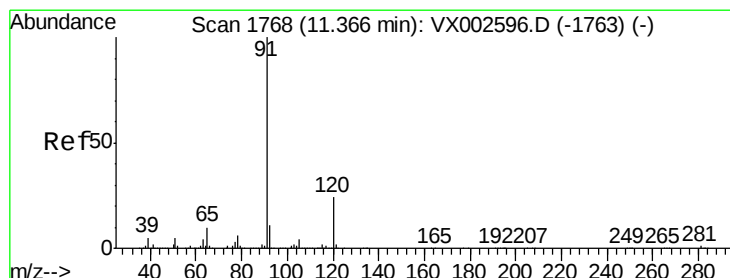
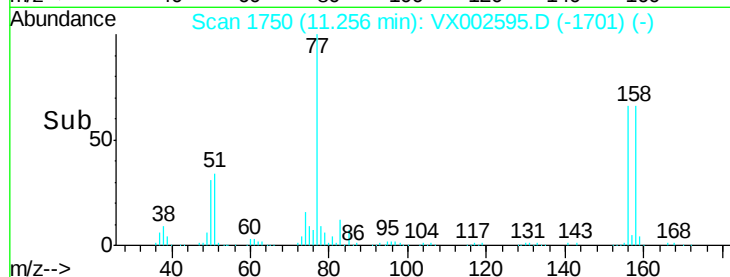
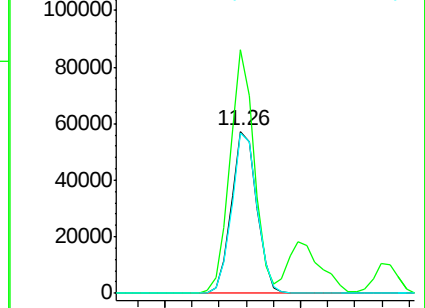
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.75 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002595.D

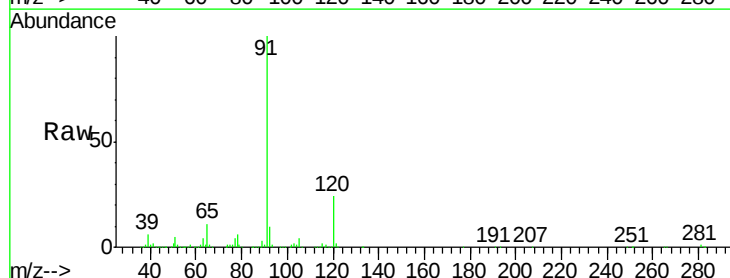
Acq: 15 Jun 2018 12:28

Tgt Ion: 91 Resp: 320143

Ion Ratio Lower Upper

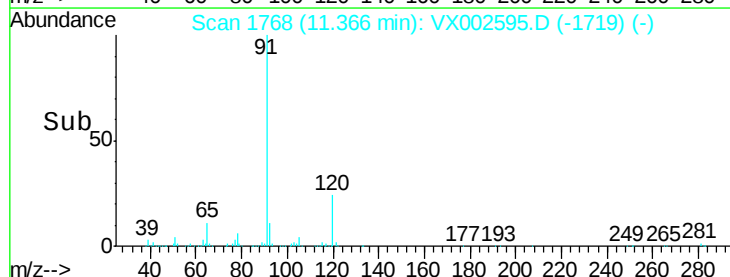
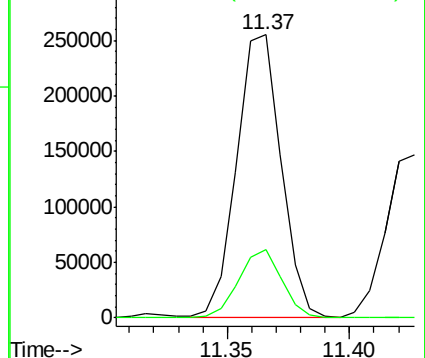
91 100

120 23.5 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.35 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 188448

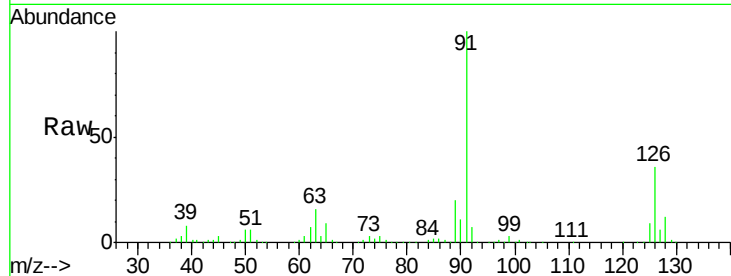
Ion Ratio Lower Upper

91 100

126 35.5 17.7 53.1

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Abundance Ion 91.00 (90.70 to 91.70): VX002596.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX002596.D (-1773) (-)

300000

250000

200000

150000

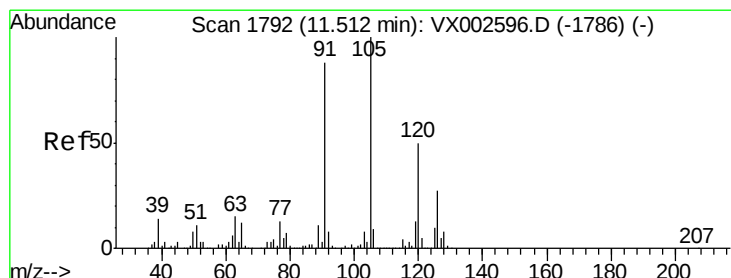
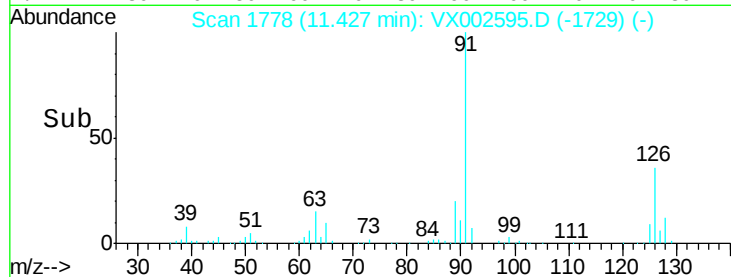
100000

50000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.79 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002595.D

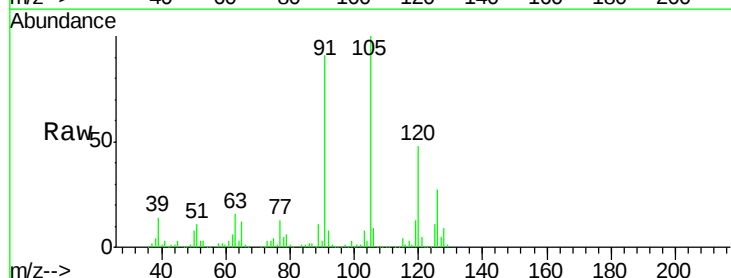
Acq: 15 Jun 2018 12:28

Tgt Ion: 105 Resp: 235566

Ion Ratio Lower Upper

105 100

120 48.2 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX002596.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX002596.D (-1786) (-)

200000

150000

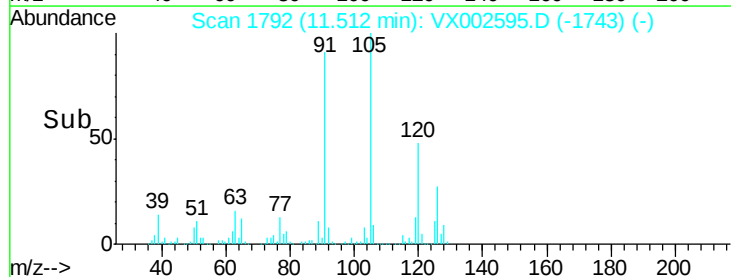
100000

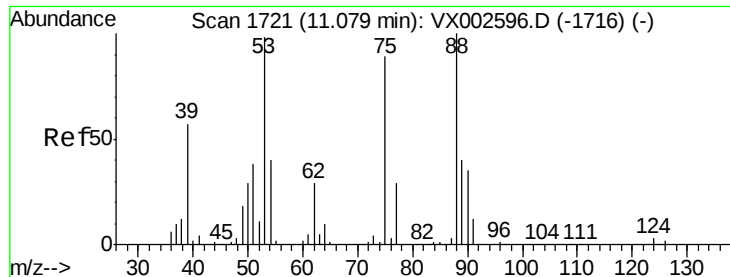
50000

0

11.45 11.50 11.55

Time-->





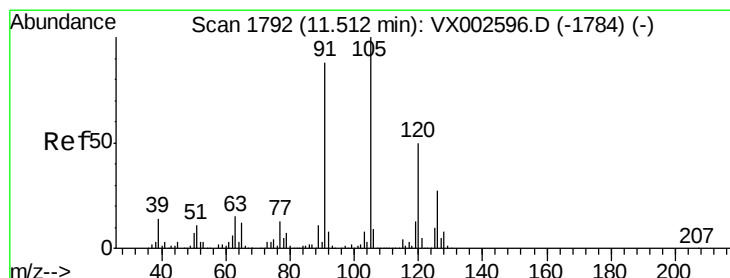
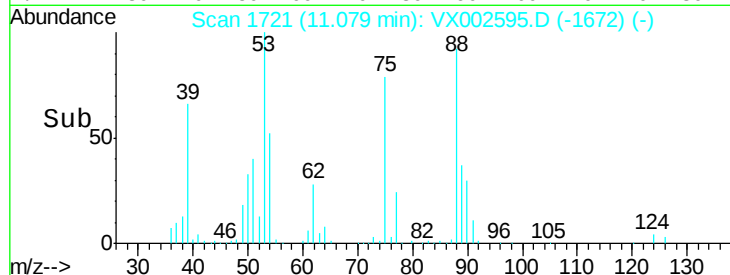
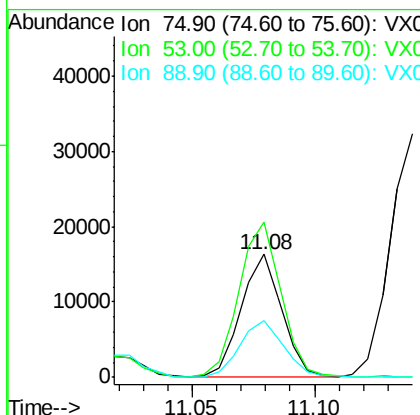
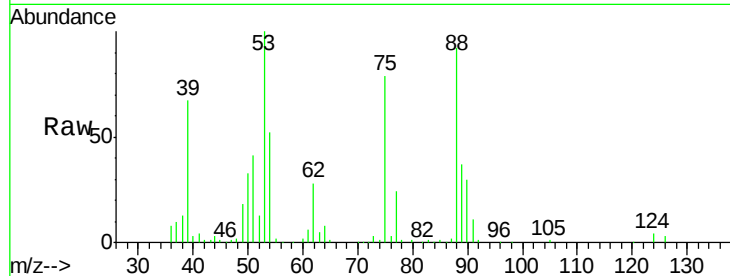
#81
trans-1,4-Dichloro-2-butene
Concen: 15.06 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	130.2	86.8	130.2#
89	50.5	38.2	57.2

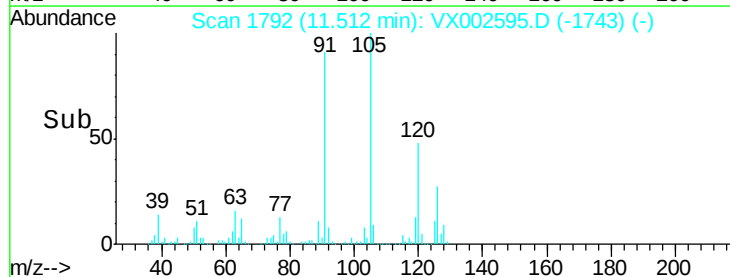
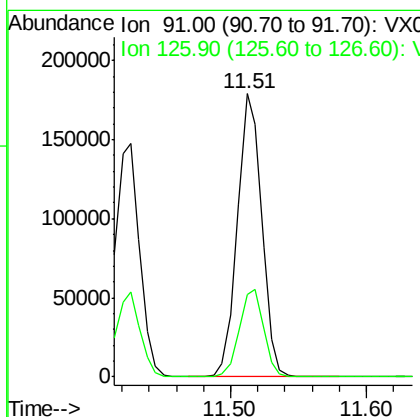
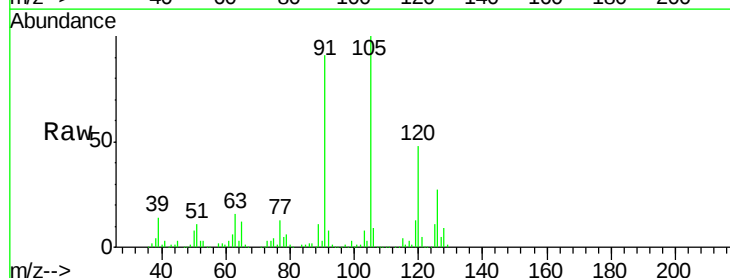
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#82
4-Chlorotoluene
Concen: 19.77 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.4	46.4





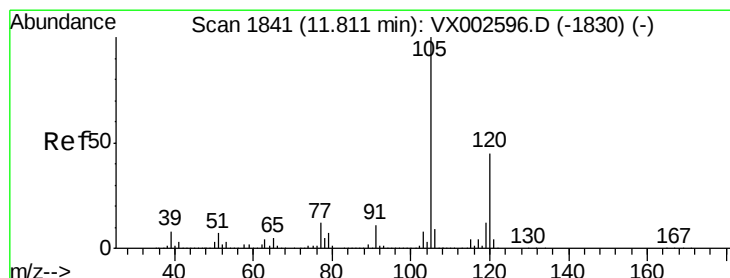
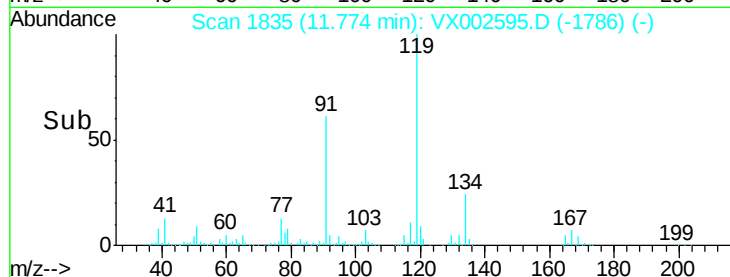
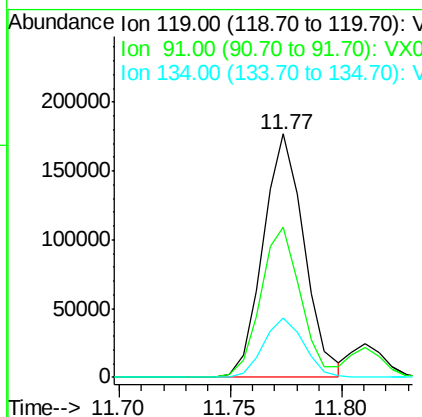
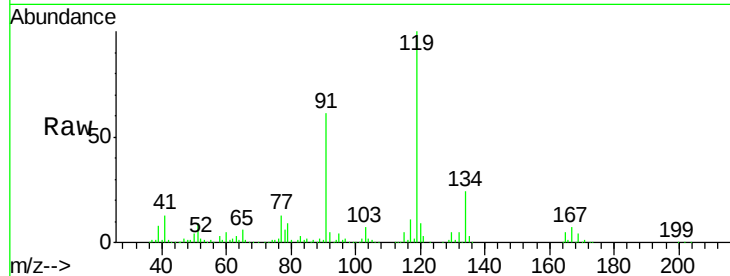
#83
tert-Butylbenzene
Concen: 19.50 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.7	30.3	90.9
134	24.1	11.7	35.1

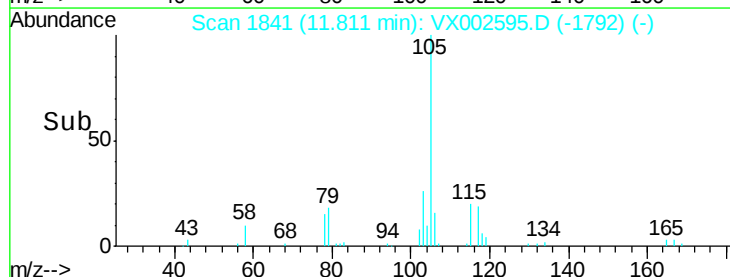
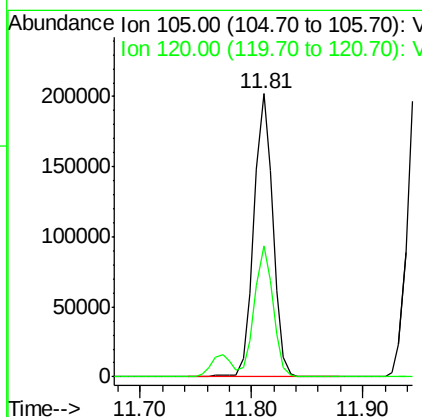
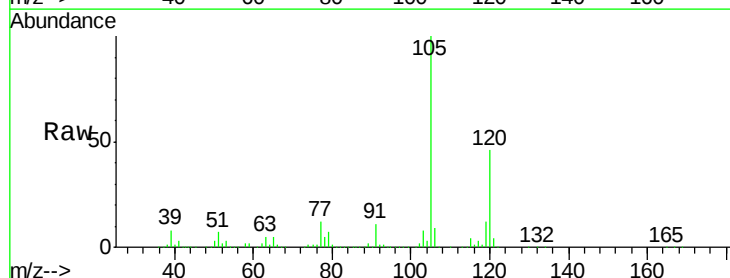
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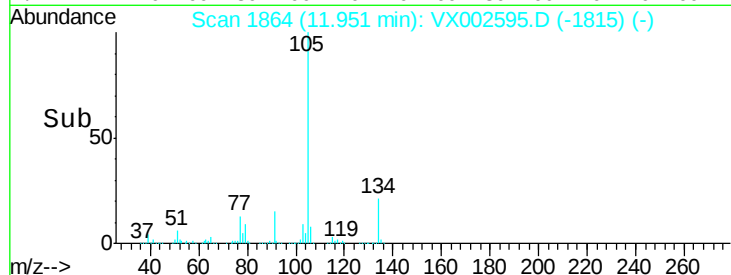
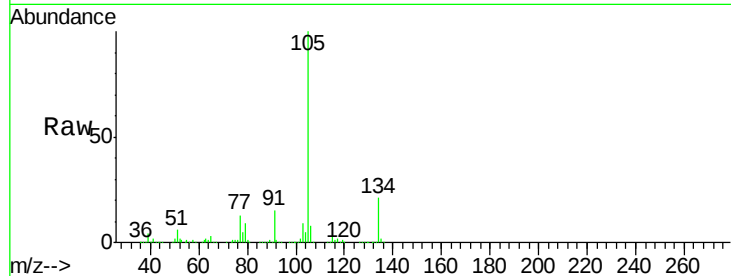
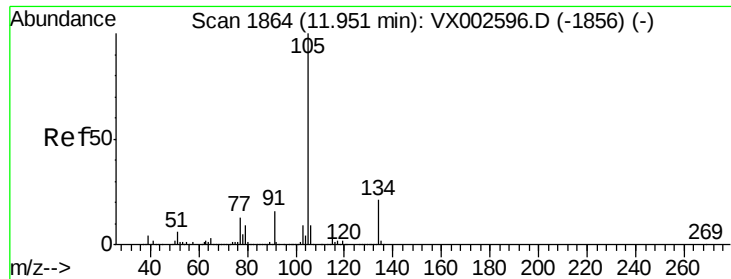
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#84
1,2,4-Trimethylbenzene
Concen: 19.62 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.3	66.8





#85

sec-Butylbenzene

Concen: 21.01 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

Tot Ion:105 Resp: 285553

Ion Ratio Lower Upper

105 100

134 20.6 10.4 31.1

Instrument :

MSVOA_X

ClientSampled :

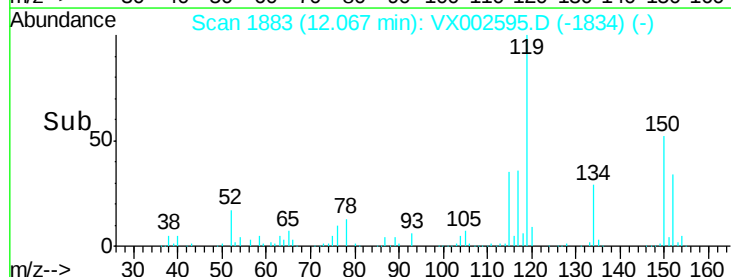
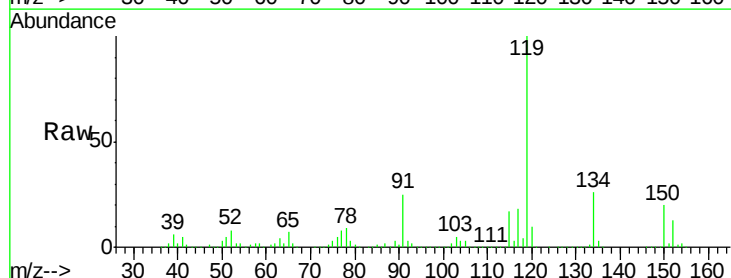
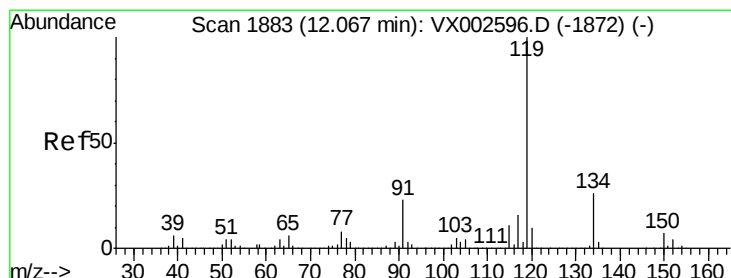
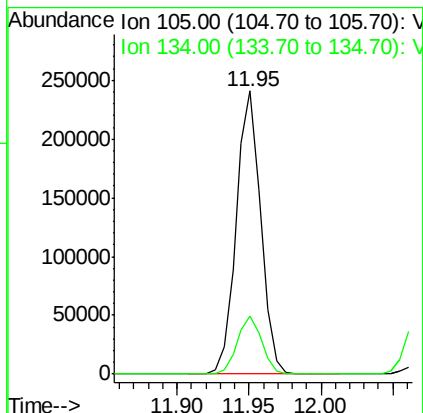
VSTDIC020

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.56 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

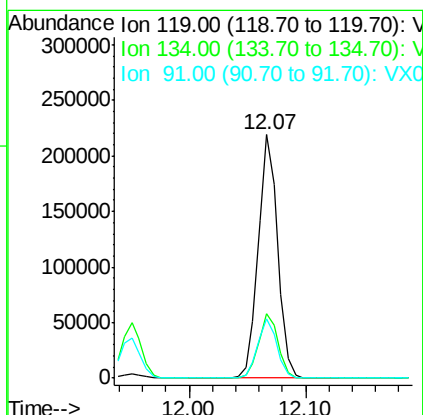
Tgt Ion:119 Resp: 254436

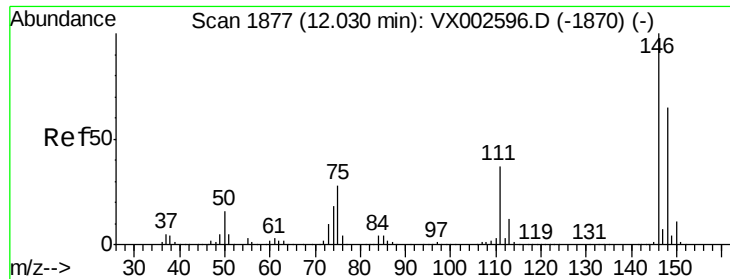
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 24.2 11.9 35.7





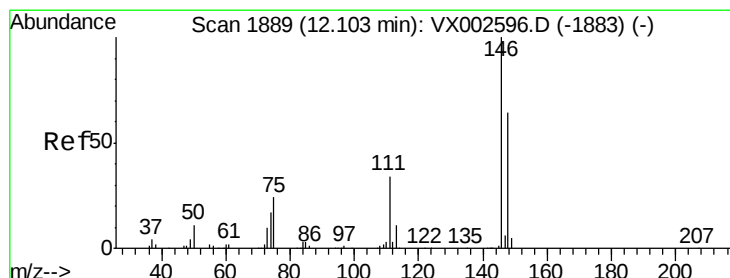
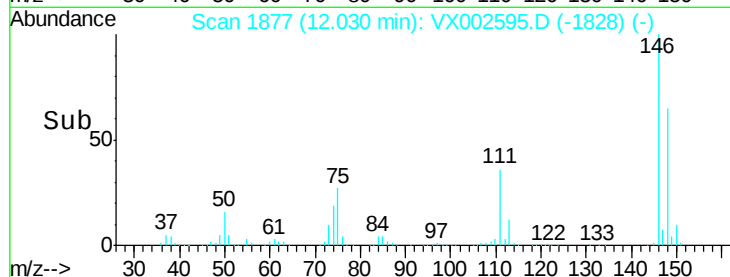
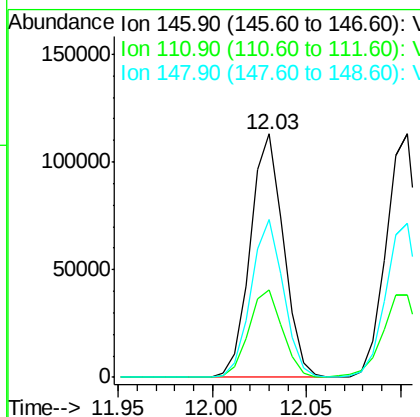
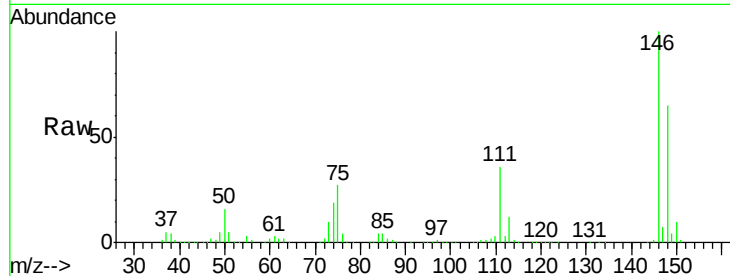
#87
 1,3-Dichlorobenzene
 Concen: 19.85 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002595.D
 Acq: 15 Jun 2018 12:28

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.9	56.7
148	63.5	32.1	96.3

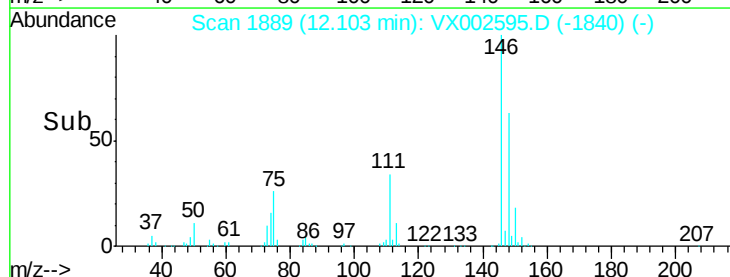
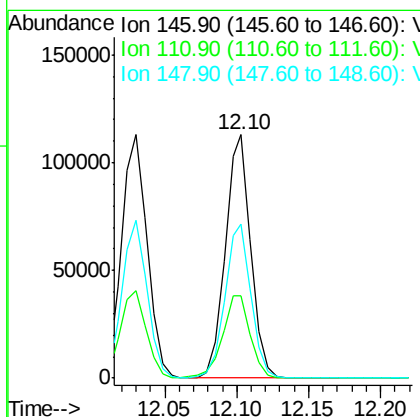
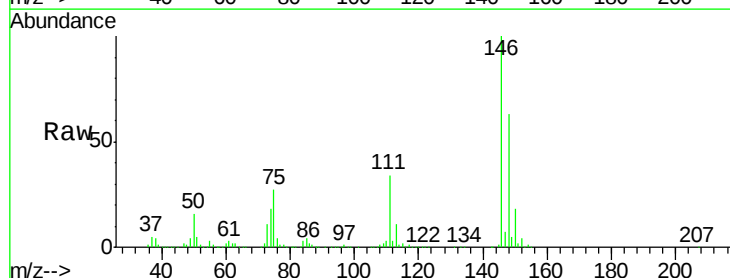
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#88
 1,4-Dichlorobenzene
 Concen: 19.54 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002595.D
 Acq: 15 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.7	56.1
148	64.5	32.4	97.0





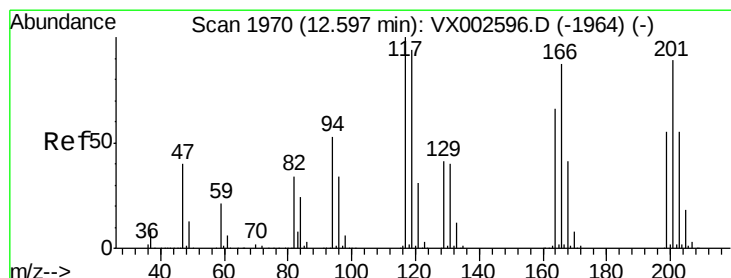
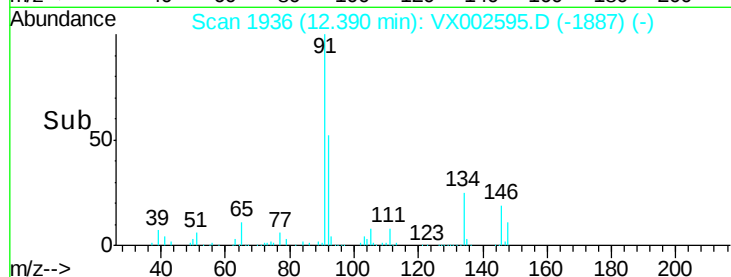
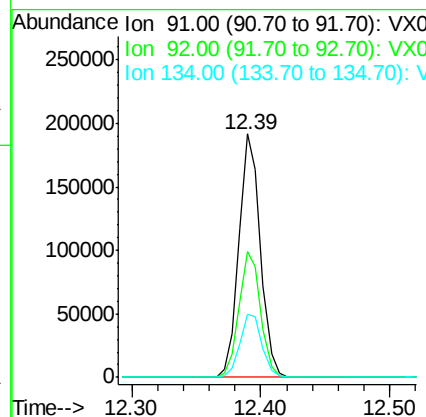
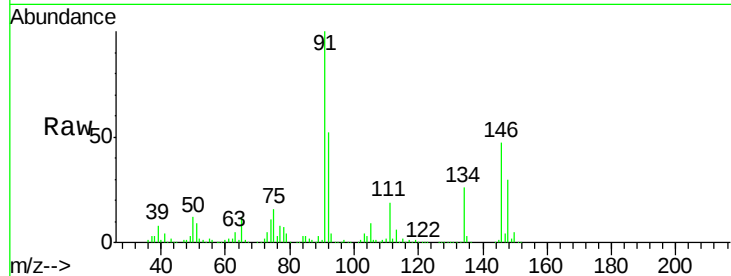
#89
n-Butylbenzene
Concen: 21.49 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.0	78.0
134	26.8	13.5	40.5

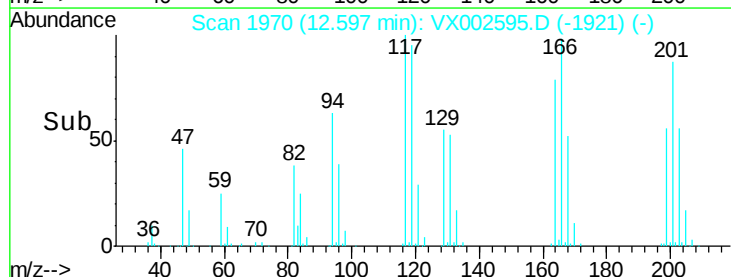
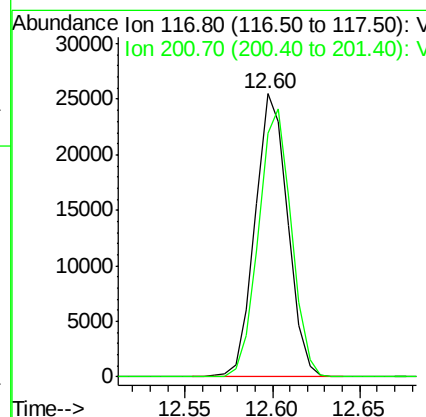
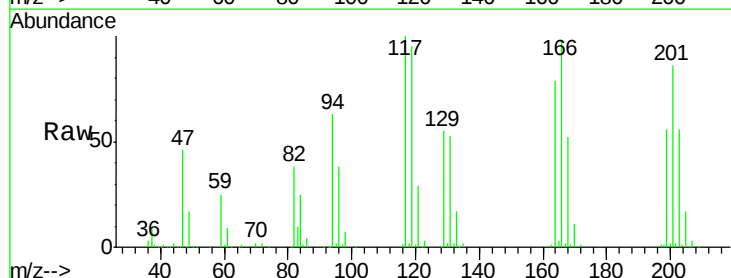
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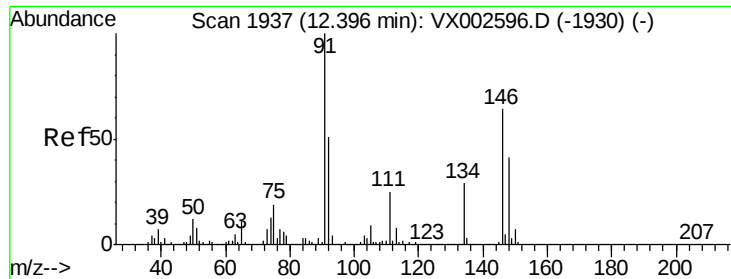
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#90
Hexachloroethane
Concen: 16.82 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX002595.D
Acq: 15 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.4	49.0	147.0





#91

1,2-Dichlorobenzene

Concen: 19.02 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

Instrument :

MSVOA_X

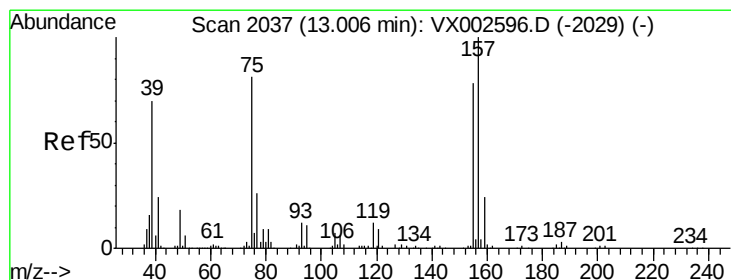
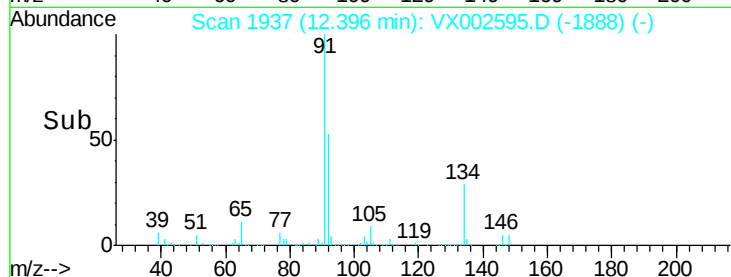
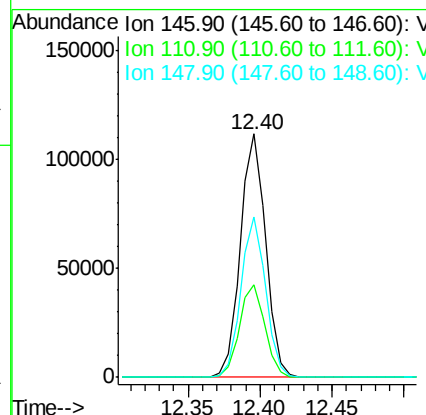
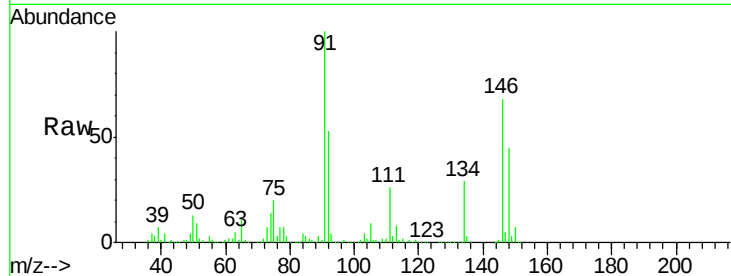
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	137065
Ion Ratio	Lower	Upper	
146	100		
111	38.5	19.4	58.1
148	64.4	31.7	95.1

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.54 ug/l

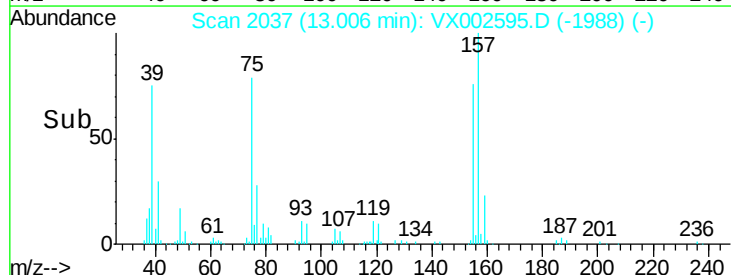
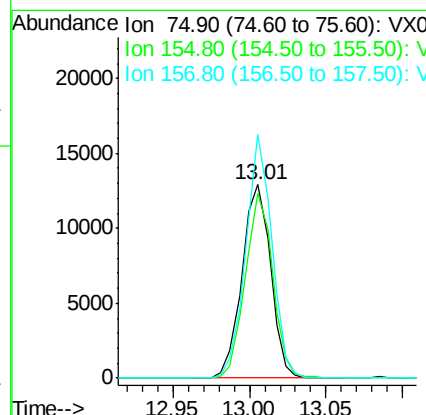
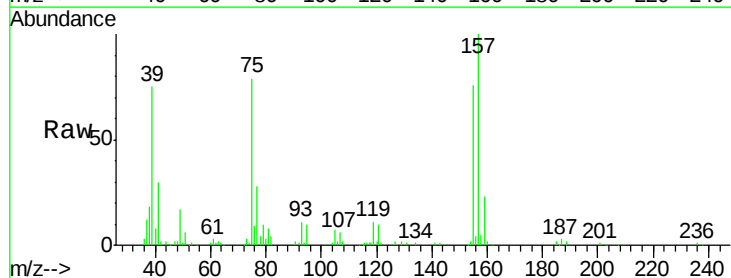
RT: 13.01 min Scan# 2037

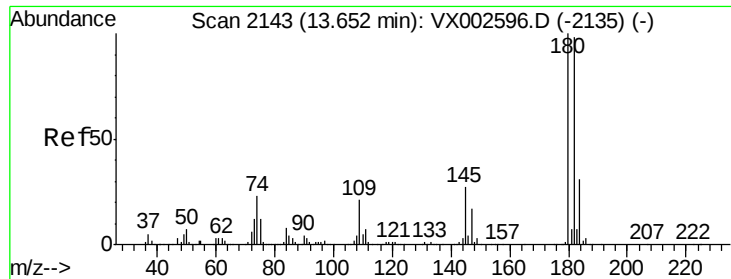
Delta R.T. -0.00 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

Tgt Ion:	75	Resp:	16744
Ion Ratio	Lower	Upper	
75	100		
155	91.6	45.8	137.4
157	114.7	60.1	180.3





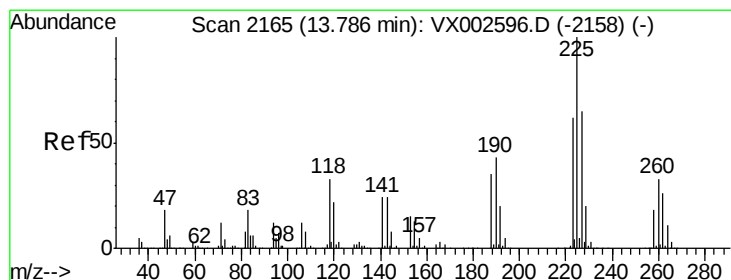
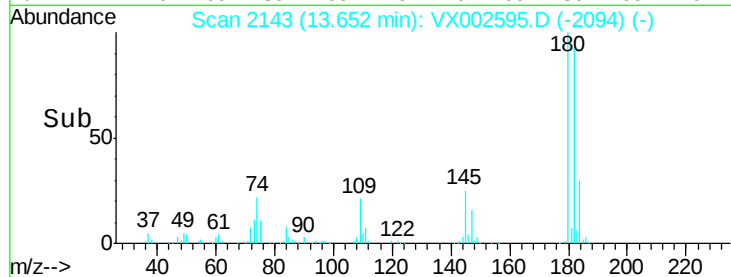
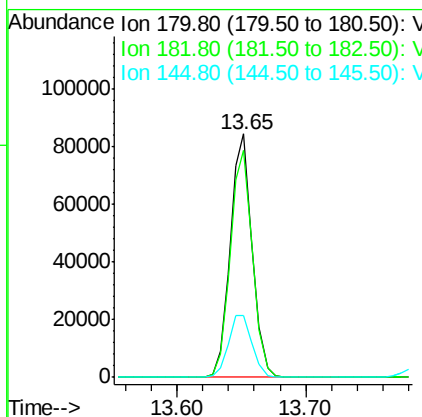
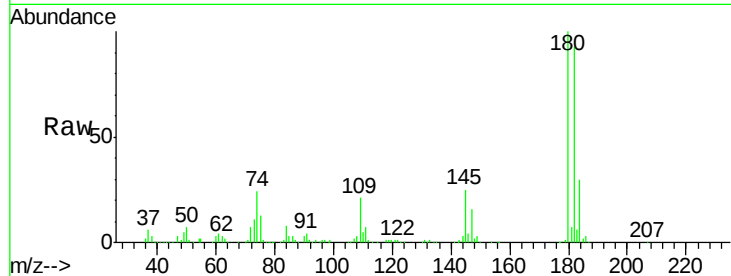
#93
 1,2,4-Trichlorobenzene
 Concen: 19.83 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002595.D
 Acq: 15 Jun 2018 12:28

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	100240		
182	94.8	47.7	143.1	
145	27.8	14.1	42.4	

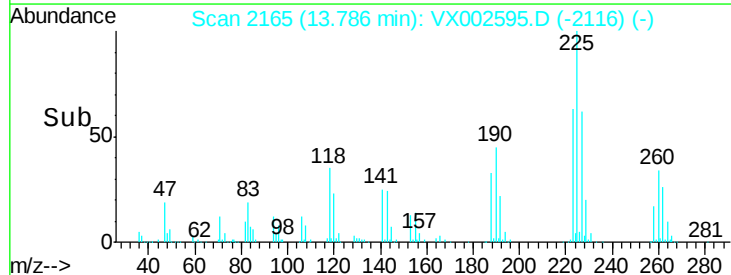
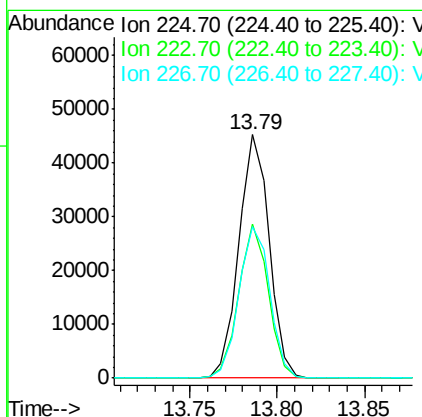
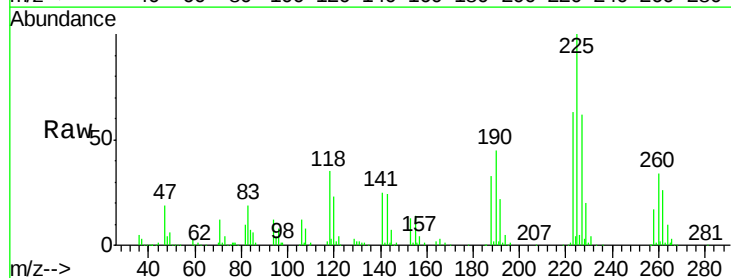
Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 5:11:58 PM



#94
 Hexachlorobutadiene
 Concen: 21.81 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002595.D
 Acq: 15 Jun 2018 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	54472		
223	61.7	31.6	95.0	
227	63.8	32.4	97.2	





#95

Naphthalene

Concen: 19.37 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

Instrument :

MSVOA_X

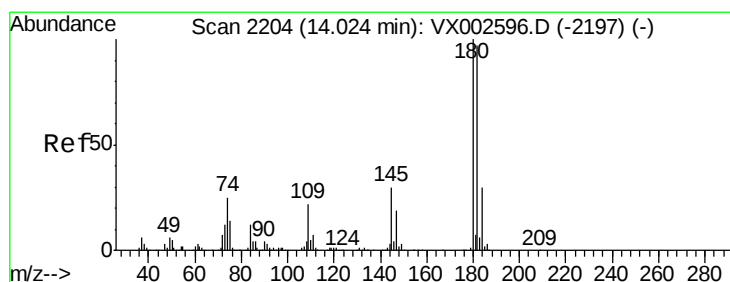
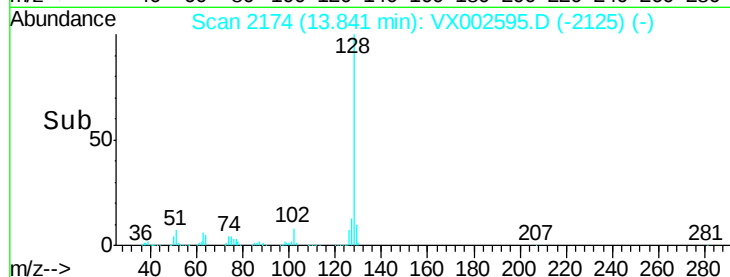
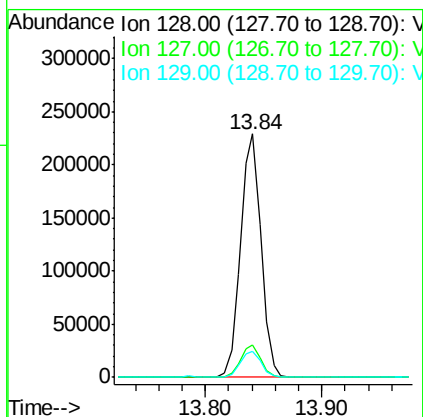
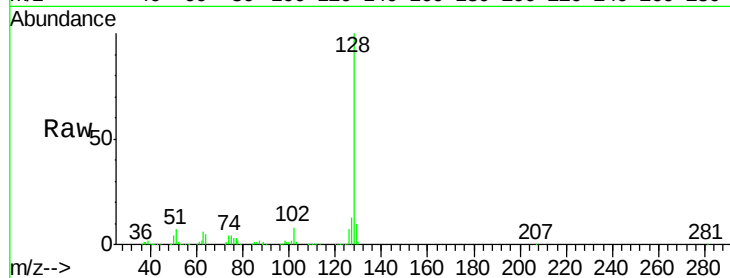
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	281257
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/18/2018 5:11:58 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.75 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002595.D

Acq: 15 Jun 2018 12:28

Tgt Ion:	180	Resp:	101823
Ion Ratio	Lower	Upper	
180	100		
182	95.2	48.0	144.0
145	29.6	14.8	44.3

