

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062818\
 Data File : VX002979.D
 Acq On : 28 Jun 2018 12:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/29/2018 12:22:44 PM

Quant Time: Jun 29 06:38:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	273127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	362267	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	350327	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	226035	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	187527	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
35) Dibromofluoromethane	5.51	113	152692	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	
50) Toluene-d8	8.72	98	558851	53.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.68%	
62) 4-Bromofluorobenzene	11.14	95	218267	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	158236	64.98	ug/l	100
3) Chloromethane	1.32	50	144275	57.15	ug/l	99
4) Vinyl Chloride	1.40	62	163930	53.07	ug/l	90
5) Bromomethane	1.64	94	66459	45.87	ug/l	100
6) Chloroethane	1.72	64	106586	59.21	ug/l	99
7) Trichlorofluoromethane	1.93	101	263927	50.66	ug/l	97
8) Diethyl Ether	2.19	74	91230	48.16	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	151950	50.33	ug/l	99
10) Methyl Iodide	2.51	142	126443	42.38	ug/l	98
11) Tert butyl alcohol	3.07	59	166794	221.79	ug/l	99
12) 1,1-Dichloroethene	2.37	96	133543	49.58	ug/l	98
13) Acrolein	2.29	56	87655	210.91	ug/l	100
14) Allyl chloride	2.73	41	265047	49.92	ug/l	98
15) Acrylonitrile	3.15	53	376588	234.44	ug/l	99
16) Acetone	2.45	43	434100	277.66	ug/l	99
17) Carbon Disulfide	2.57	76	400216	55.76	ug/l	99
18) Methyl Acetate	2.78	43	179039	40.96	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	456392	47.13	ug/l	100
20) Methylene Chloride	2.85	84	144824	47.60	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	141820	48.34	ug/l	96
22) Diisopropyl ether	3.87	45	485086	47.79	ug/l	97
23) Vinyl Acetate	3.82	43	2183874	254.10	ug/l	98
24) 1,1-Dichloroethane	3.70	63	265003	48.04	ug/l	99
25) 2-Butanone	4.71	43	589967	254.27	ug/l	98
26) 1,2-Dichloropropane	4.59	77	229917	51.25	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	161630	49.14	ug/l	96
28) Bromochloromethane	5.02	49	128166	48.54	ug/l	94
29) Tetrahydrofuran	5.16	42	352466	236.89	ug/l	96
30) Chloroform	5.21	83	278668	49.22	ug/l	98
31) Cyclohexane	5.57	56	243438	51.42	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	252703	50.73	ug/l	99
36) 1,1-Dichloropropene	5.80	75	209952	52.85	ug/l	99
37) Ethyl Acetate	4.86	43	216451	50.60	ug/l	99
38) Carbon Tetrachloride	5.79	117	230938	52.97	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	257500	55.65	ug/l	97
40) Benzene	6.15	78	599965	51.98	ug/l	99
41) Methacrylonitrile	5.06	41	125349	50.89	ug/l	98
42) 1,2-Dichloroethane	6.20	62	230632	49.46	ug/l	99
43) Isopropyl Acetate	6.46	43	361808	50.43	ug/l	99
44) Trichloroethene	7.21	130	179132	52.05	ug/l	100
45) 1,2-Dichloropropane	7.52	63	156288	51.04	ug/l	99
46) Dibromomethane	7.67	93	106714	50.22	ug/l	97
47) Bromodichloromethane	7.90	83	211743	53.90	ug/l	99
48) Methyl methacrylate	7.78	41	187293	50.67	ug/l	97
49) 1,4-Dioxane	7.76	88	70216	976.37	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1141164	254.25	ug/l	98
52) Toluene	8.79	92	390958	52.87	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	246827	55.48	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	229695	53.66	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	157880	51.96	ug/l	97
56) Ethyl methacrylate	9.18	69	237083	53.39	ug/l	96
57) 1,3-Dichloropropane	9.37	76	256193	51.33	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	426165	198.91	ug/l	98
59) 2-Hexanone	9.50	43	895762	262.60	ug/l	97
60) Dibromochloromethane	9.59	129	174902	54.68	ug/l	100
61) 1,2-Dibromoethane	9.68	107	167114	52.43	ug/l	100
64) Tetrachloroethene	9.34	164	190829	48.99	ug/l	98
65) Chlorobenzene	10.14	112	447129	50.25	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	166725	51.58	ug/l	100
67) Ethyl Benzene	10.26	91	772988	52.59	ug/l	100
68) m/p-Xylenes	10.36	106	605358	106.86	ug/l	99
69) o-Xylene	10.70	106	289143	52.42	ug/l	99
70) Styrene	10.71	104	482135	53.79	ug/l	99
71) Bromoform	10.86	173	137625	47.35	ug/l	100
73) Isopropylbenzene	11.02	105	799084	52.55	ug/l	100
74) N-amyl acetate	6.46	43	361808	48.63	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	238535	50.92	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	235544m	57.53	ug/l	
77) Bromobenzene	11.26	156	217576	50.24	ug/l	98
78) n-propylbenzene	11.37	91	925681	53.48	ug/l	99
79) 2-Chlorotoluene	11.43	91	535962	51.15	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	682649	53.30	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	64365	45.91	ug/l	99
82) 4-Chlorotoluene	11.51	91	640861	51.66	ug/l	99
83) tert-Butylbenzene	11.77	119	680013	53.88	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	697092	52.53	ug/l	99
85) sec-Butylbenzene	11.95	105	820598	53.59	ug/l	100
86) p-Isopropyltoluene	12.07	119	751297	54.57	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	404107	51.10	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	408598	50.20	ug/l	100
89) n-Butylbenzene	12.39	91	658276	54.94	ug/l	99
90) Hexachloroethane	12.60	117	103959	50.77	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	402746	50.45	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	53942	51.23	ug/l	99

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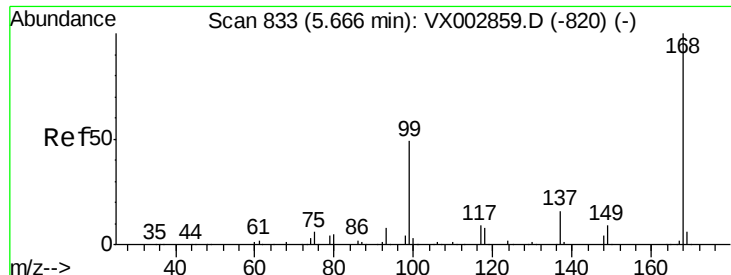
Manual Integrations
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6/29/2018 12:22:44 PM

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Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	310030	53.37	ug/l	100
94) Hexachlorobutadiene	13.79	225	158652	54.75	ug/l	99
95) Naphthalene	13.84	128	829625	53.62	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	306174	52.76	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. -0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 273127

Ion Ratio Lower Upper

168 100

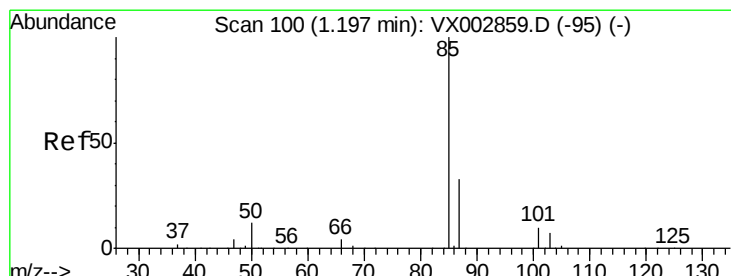
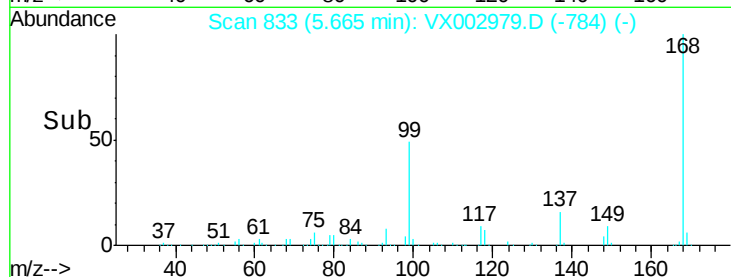
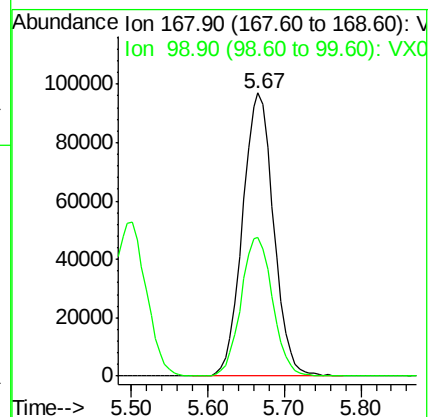
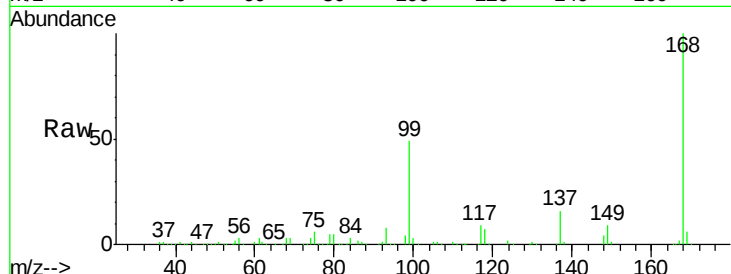
99 48.9 39.3 58.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 64.98 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002979.D

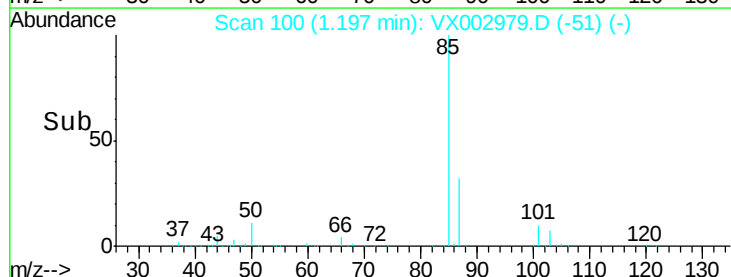
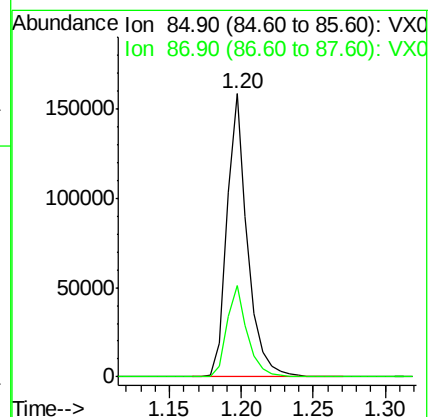
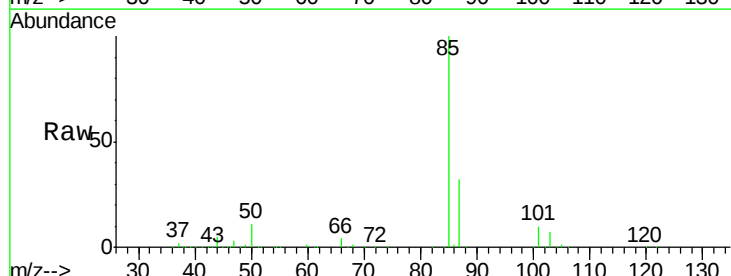
Acq: 28 Jun 2018 12:16

Tgt Ion: 85 Resp: 158236

Ion Ratio Lower Upper

85 100

87 32.1 16.0 47.9





#3

Chloromethane

Concen: 57.15 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 144275

Ion Ratio Lower Upper

50 100

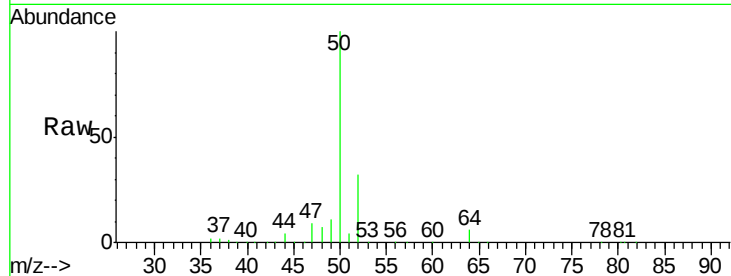
52 31.7 25.7 38.5

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

150000

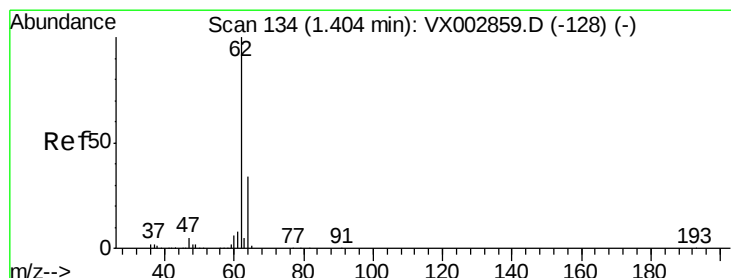
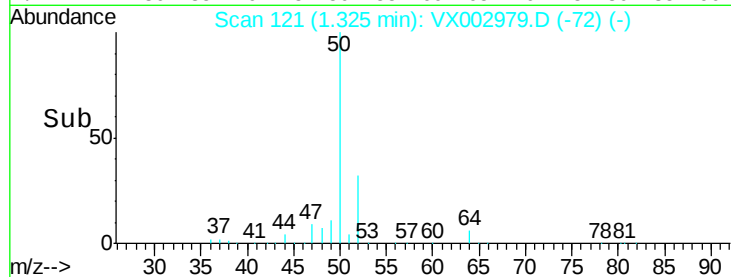
100000

50000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 53.07 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002979.D

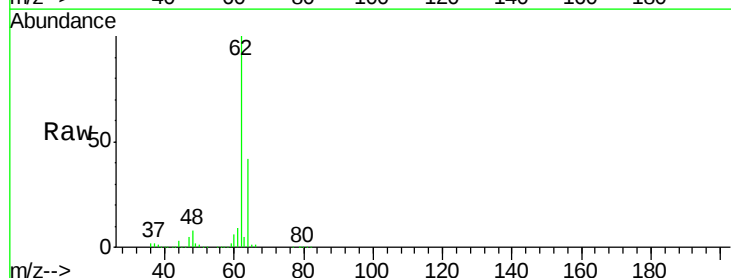
Acq: 28 Jun 2018 12:16

Tgt Ion: 62 Resp: 163930

Ion Ratio Lower Upper

62 100

64 37.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

150000

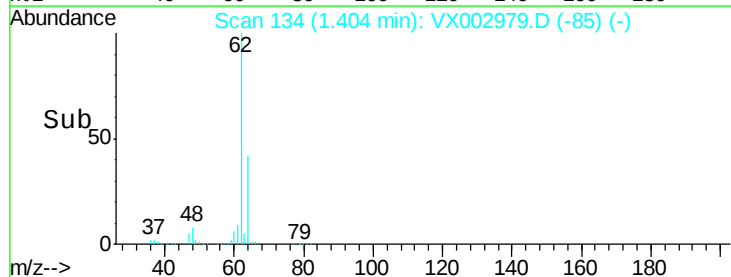
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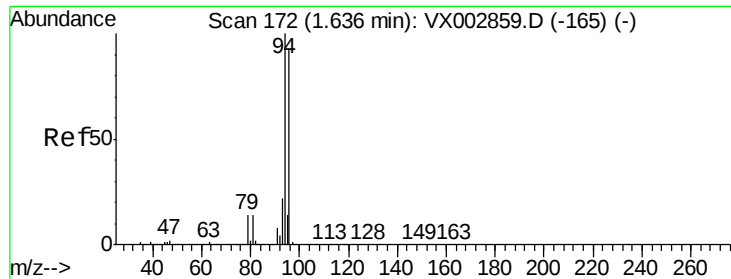
50000

0

1.30 1.40 1.50

Time-->





#5

Bromomethane

Concen: 45.87 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 66459

Ion Ratio Lower Upper

94 100

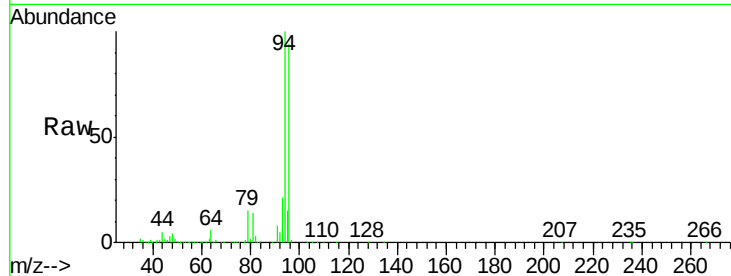
96 93.7 74.9 112.3

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

80000

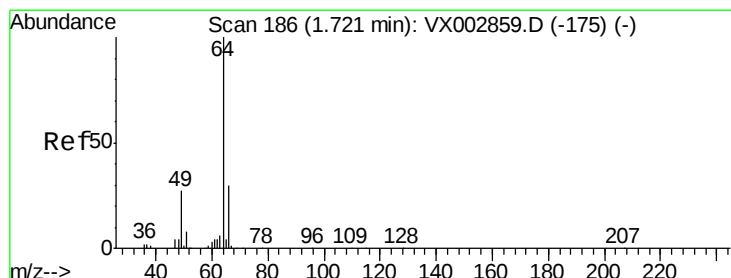
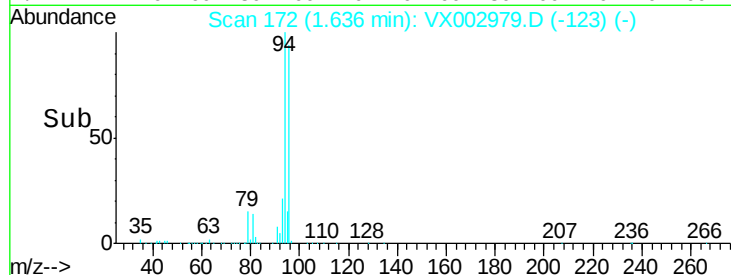
60000

40000

20000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 59.21 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX002979.D

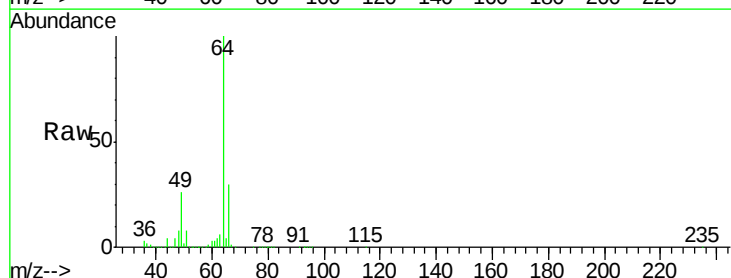
Acq: 28 Jun 2018 12:16

Tgt Ion: 64 Resp: 106586

Ion Ratio Lower Upper

64 100

66 31.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

80000

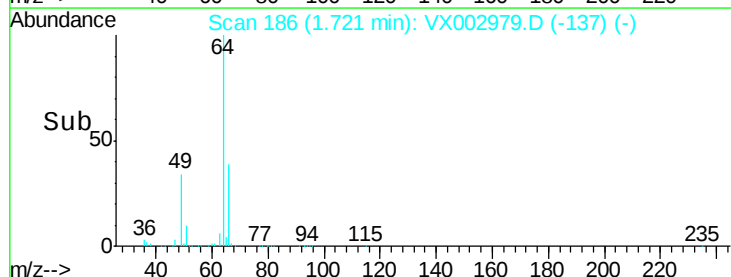
60000

40000

20000

0

Time--> 1.60 1.70 1.80





#7

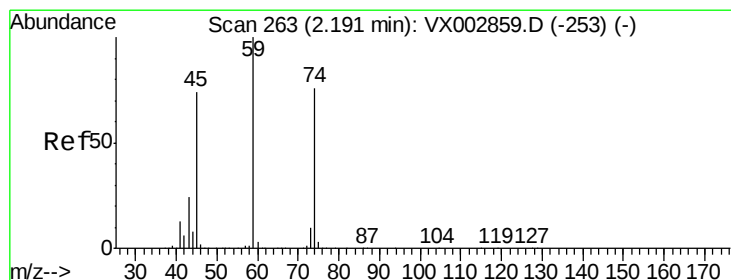
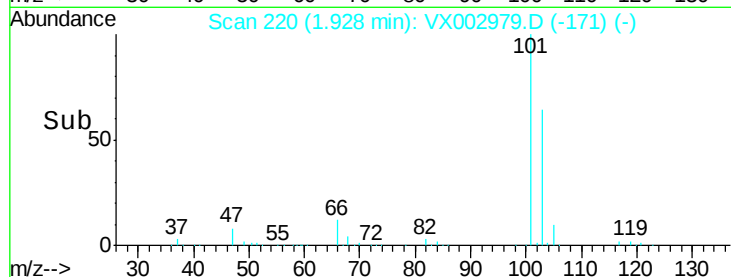
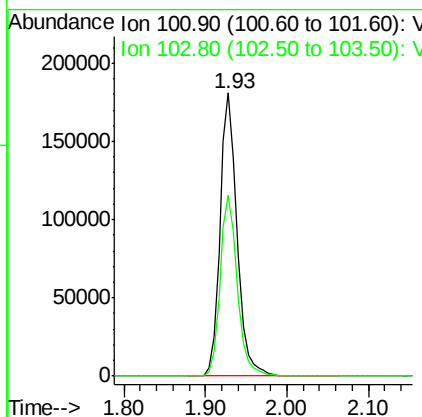
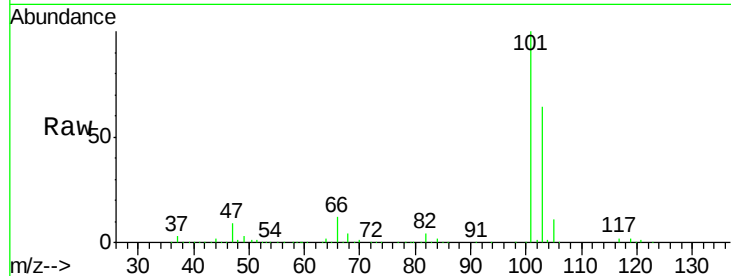
Trichlorofluoromethane
Concen: 50.66 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX002979.D
Acq: 28 Jun 2018 12:16

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.8	79.2

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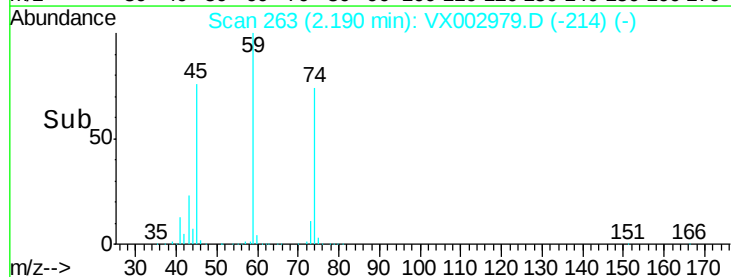
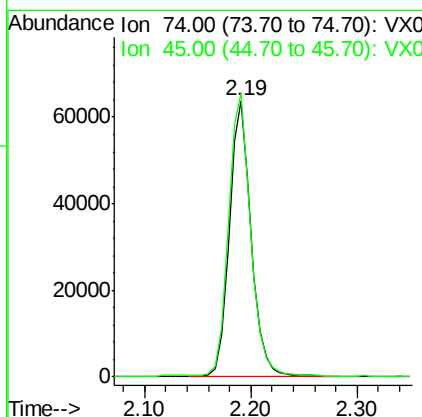
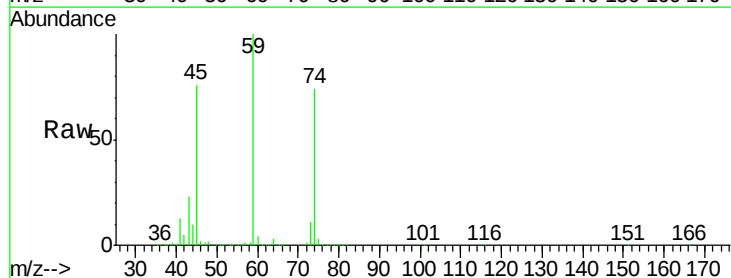
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#8

Diethyl Ether
Concen: 48.16 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002979.D
Acq: 28 Jun 2018 12:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.0	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.33 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Instrument :

MSVOA_X

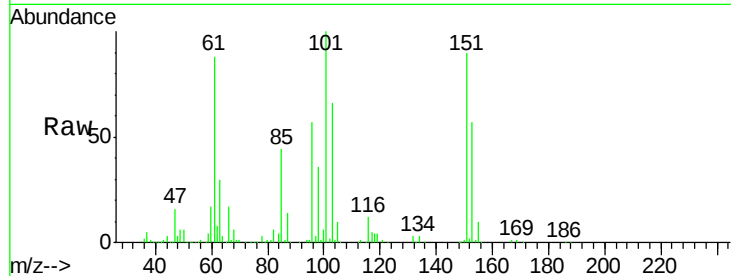
ClientSampleId :

VSTDCCC050

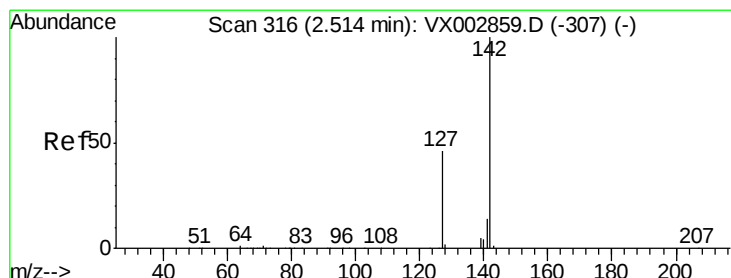
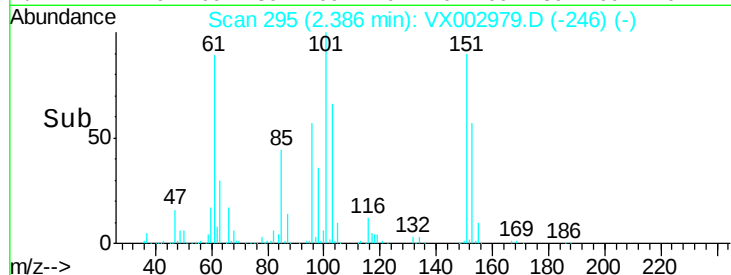
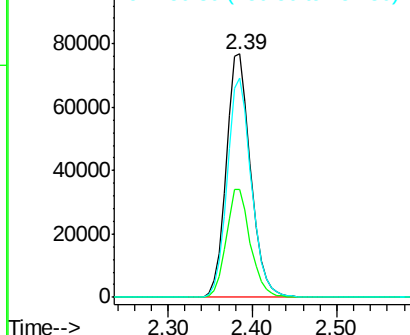
Tot Ion:	101	Resp:	151950
Ion Ratio	Lower	Upper	
101	100		
85	43.9	36.0	54.0
151	89.0	70.9	106.3

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 42.38 ug/l

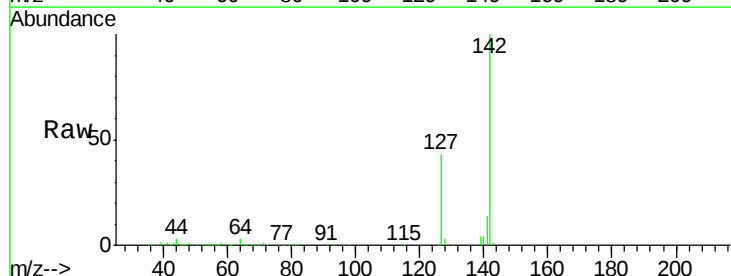
RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

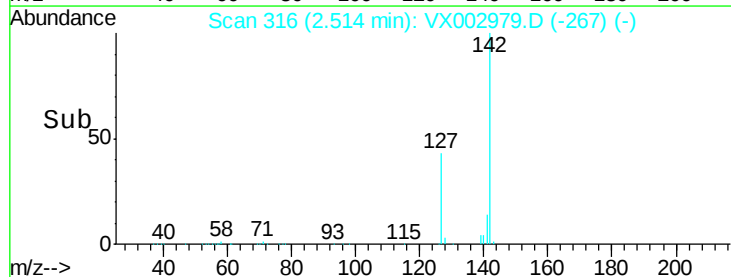
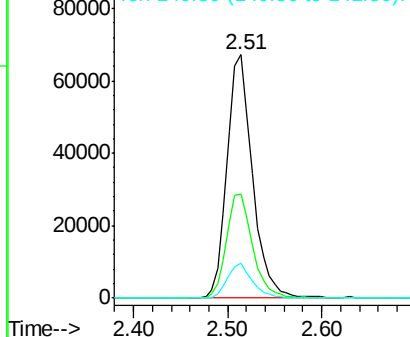
Lab File: VX002979.D

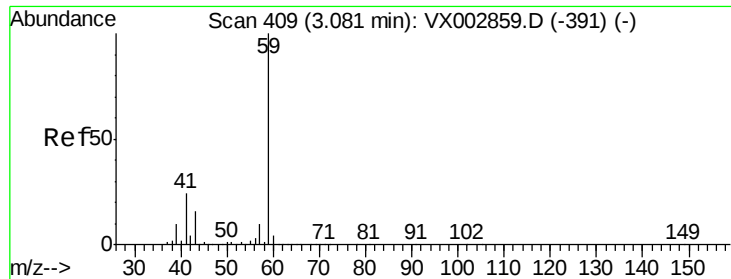
Acq: 28 Jun 2018 12:16

Tgt Ion:	142	Resp:	126443
Ion Ratio	Lower	Upper	
142	100		
127	44.0	36.6	55.0
141	14.1	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

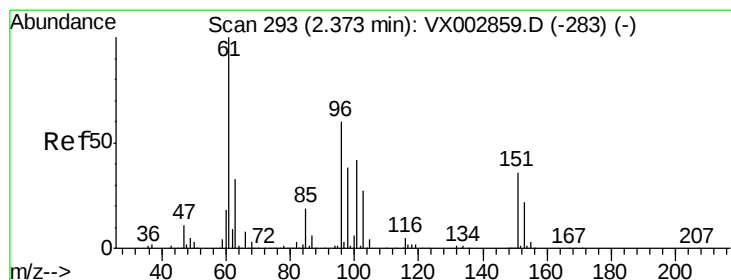
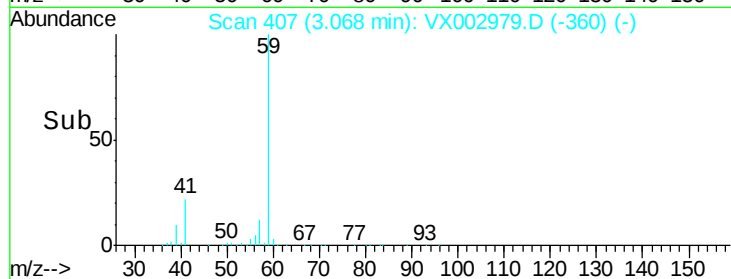
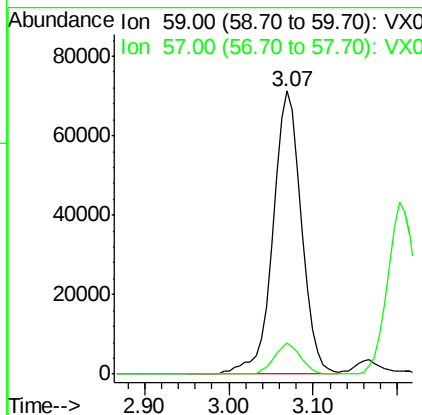
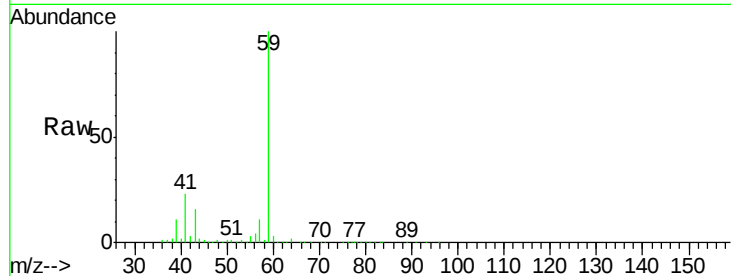
Tert butyl alcohol
 Concen: 221.79 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX002979.D
 Acq: 28 Jun 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

Manual Integrations
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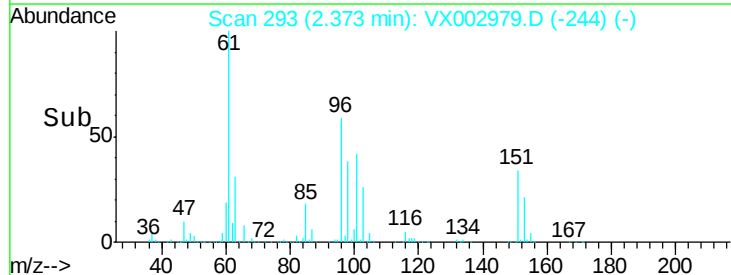
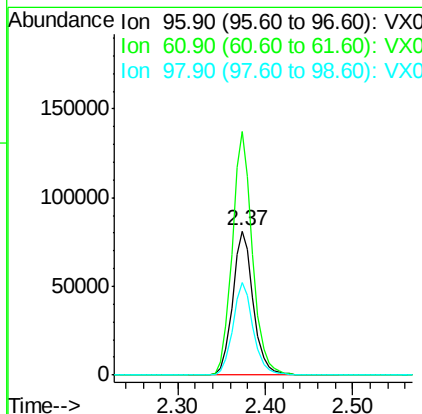
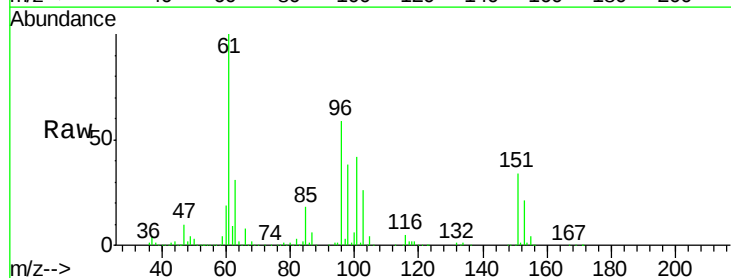
MMDadoda
 6/29/2018 12:22:44 PM



#12

1,1-Dichloroethene
 Concen: 49.58 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX002979.D
 Acq: 28 Jun 2018 12:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.7	137.9	206.9
98	64.2	51.6	77.4





#13

Acrolein

Concen: 210.91 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 87655

Ion Ratio Lower Upper

56 100

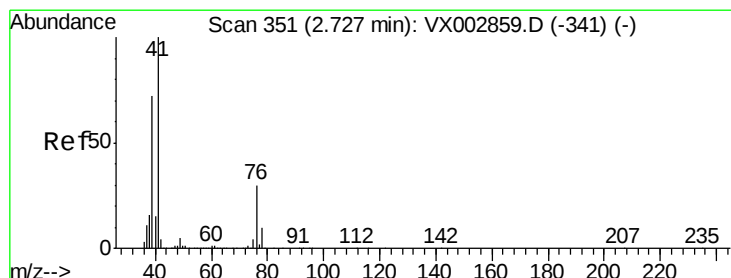
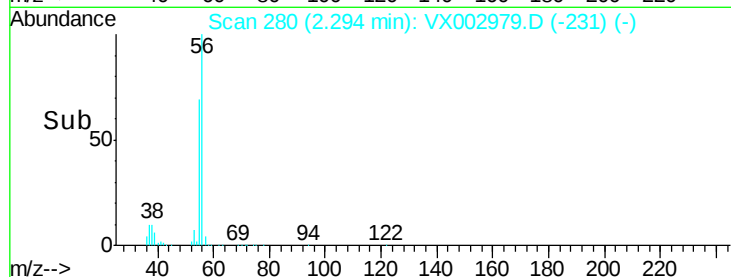
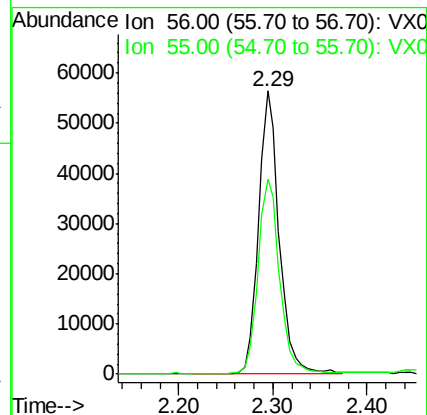
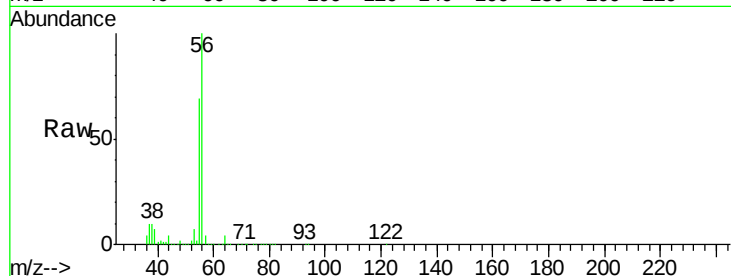
55 71.2 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 49.92 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

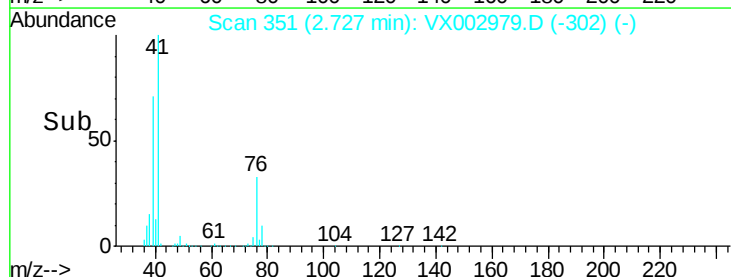
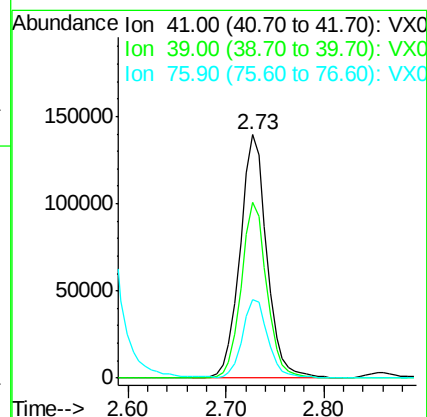
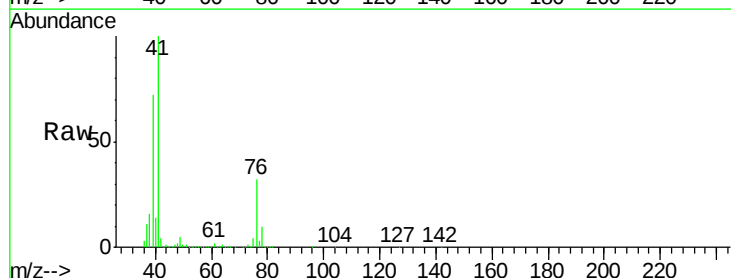
Tgt Ion: 41 Resp: 265047

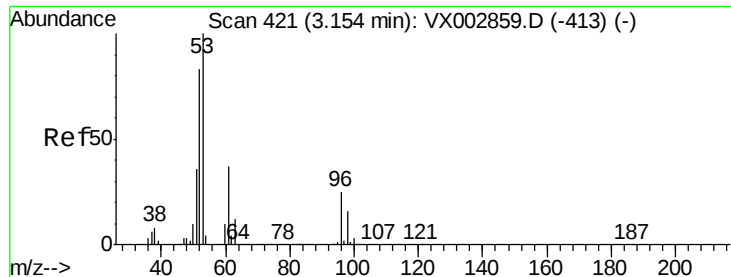
Ion Ratio Lower Upper

41 100

39 68.8 56.8 85.2

76 30.5 23.8 35.8





#15

Acrylonitrile

Concen: 234.44 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Instrument :

MSVOA_X

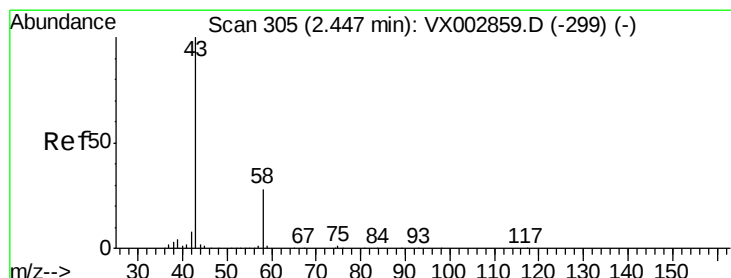
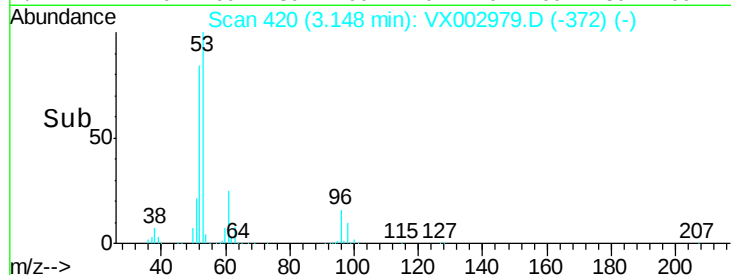
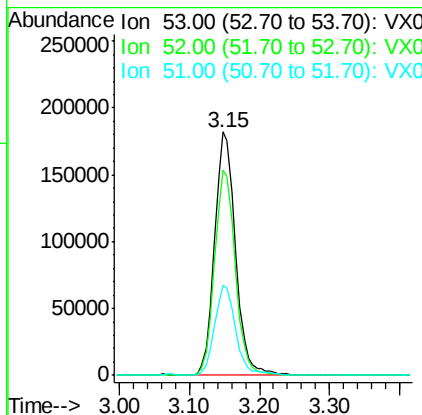
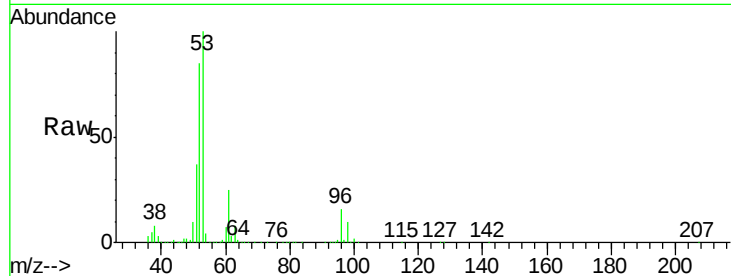
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	376588
Ion Ratio	Lower	Upper	
53	100		
52	84.0	66.7	100.1
51	37.0	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 277.66 ug/l

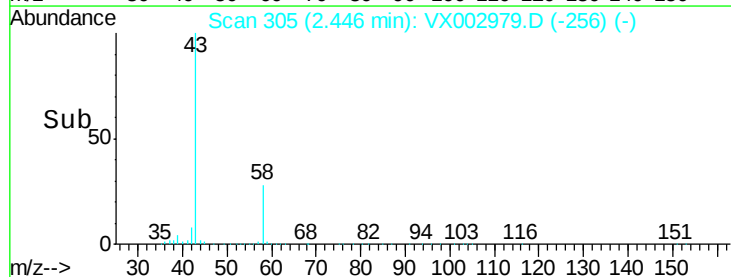
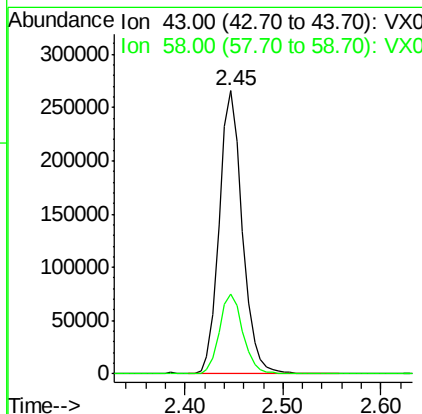
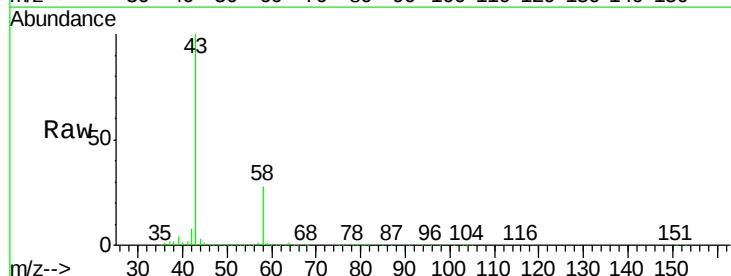
RT: 2.45 min Scan# 305

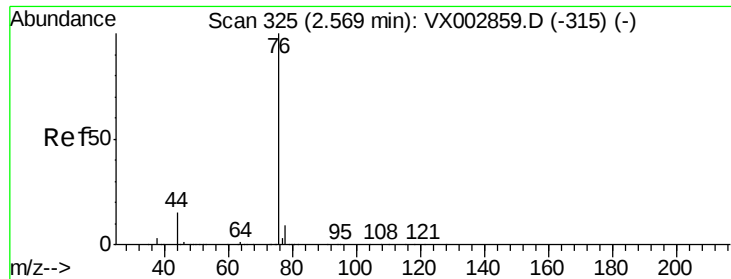
Delta R.T. -0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Tgt Ion:	43	Resp:	434100
Ion Ratio	Lower	Upper	
43	100		
58	28.4	22.1	33.1





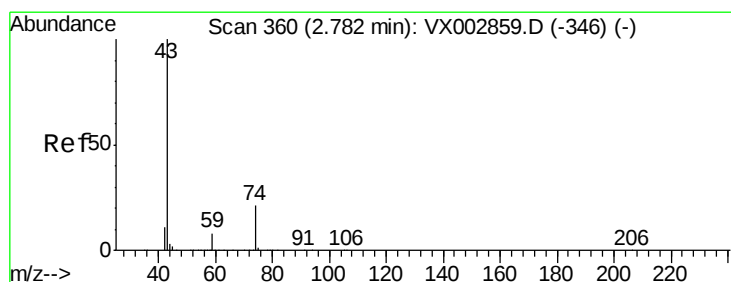
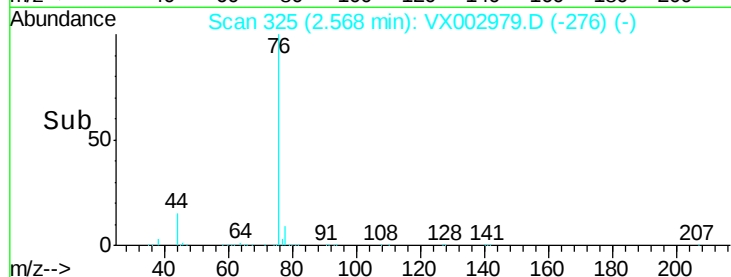
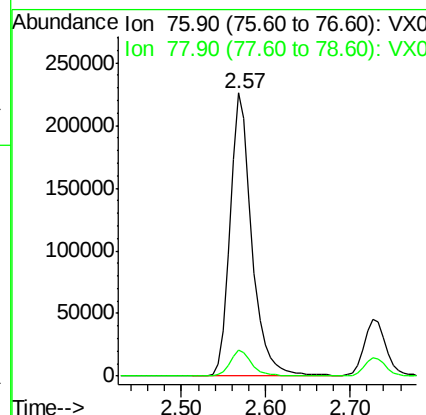
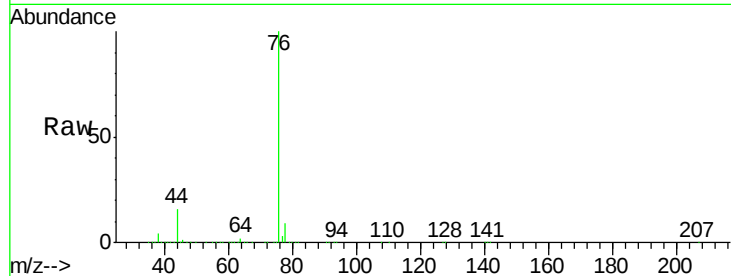
#17
Carbon Disulfide
Concen: 55.76 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002979.D
Acq: 28 Jun 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
76	100	400216		
78	9.0		6.9	10.3

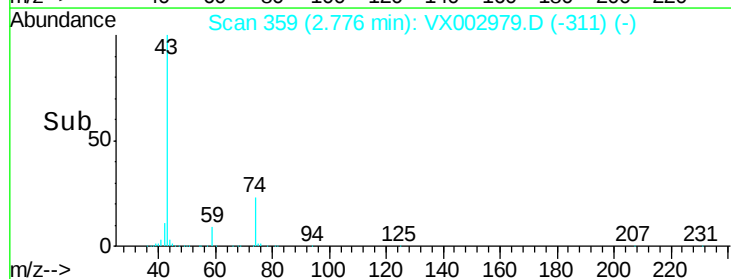
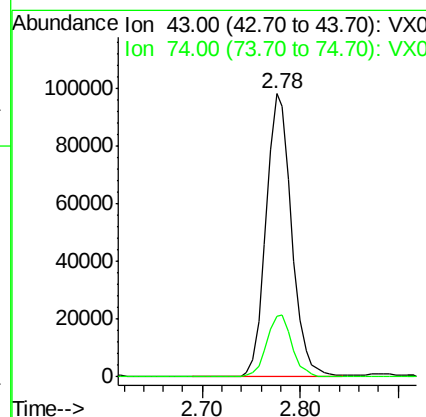
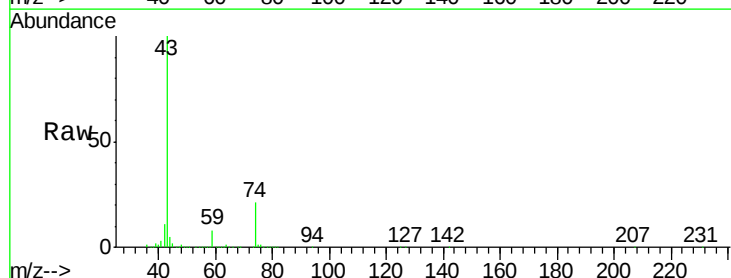
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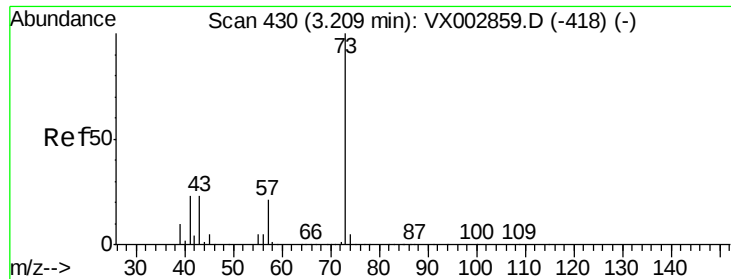
MMDadoda
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#18
Methyl Acetate
Concen: 40.96 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX002979.D
Acq: 28 Jun 2018 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	179039		
74	22.3		16.7	25.1





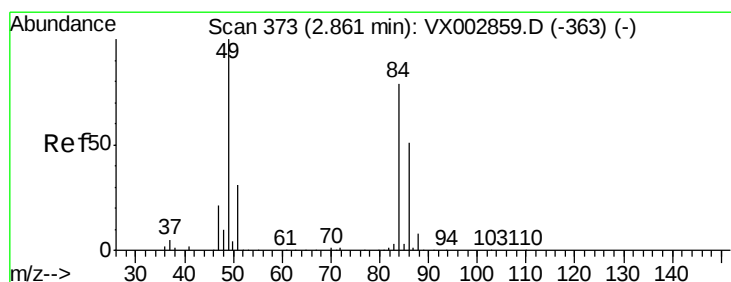
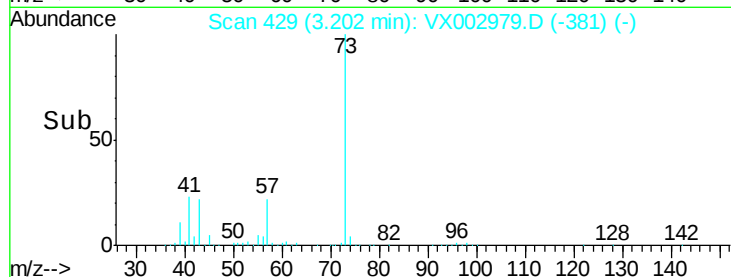
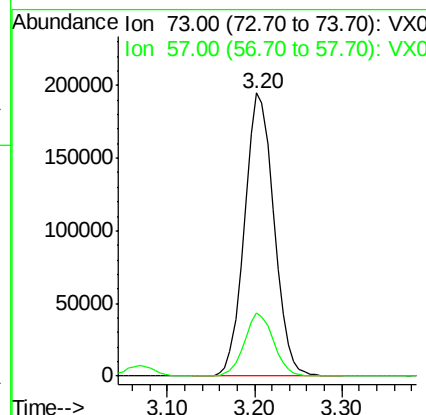
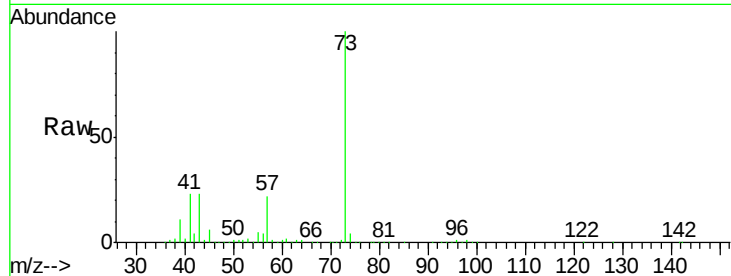
#19
Methvl tert-butvl Ether
Concen: 47.13 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX002979.D
Acq: 28 Jun 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 456392
Ion Ratio Lower Upper
73 100
57 22.2 17.7 26.5

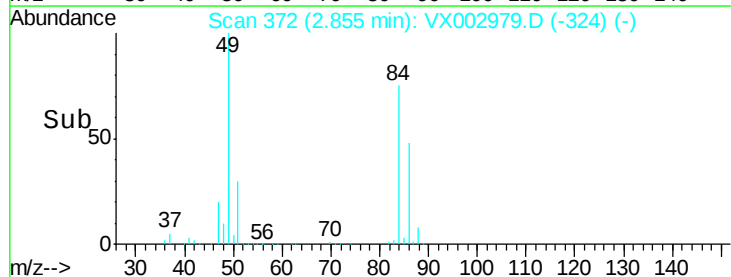
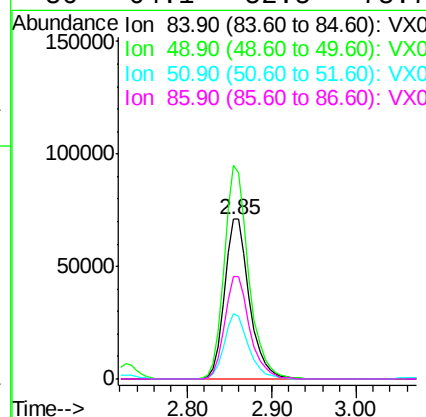
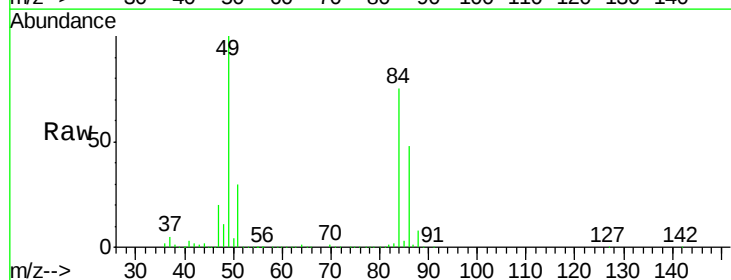
Manual Integrations
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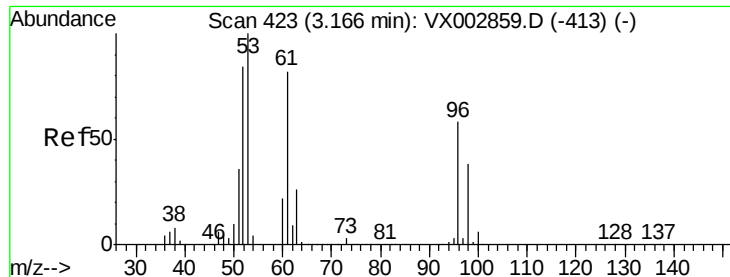
MMDadoda
6/29/2018 12:22:44 PM



#20
Methylene Chloride
Concen: 47.60 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX002979.D
Acq: 28 Jun 2018 12:16

Tgt Ion: 84 Resp: 144824
Ion Ratio Lower Upper
84 100
49 133.6 107.8 161.6
51 40.4 32.8 49.2
86 64.1 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 48.34 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Instrument :

MSVOA_X

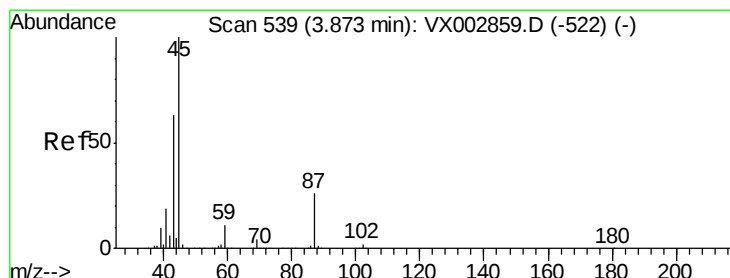
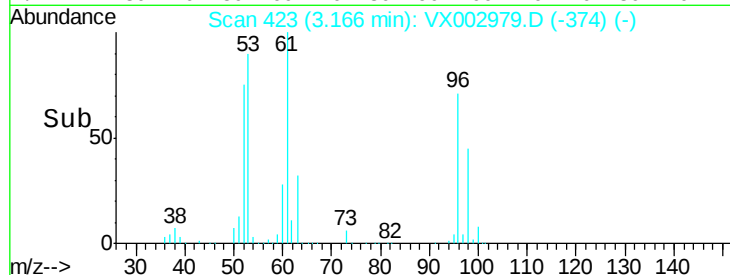
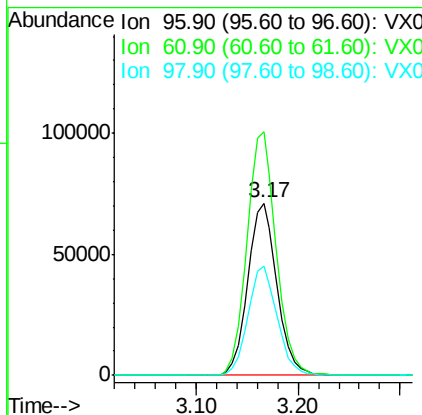
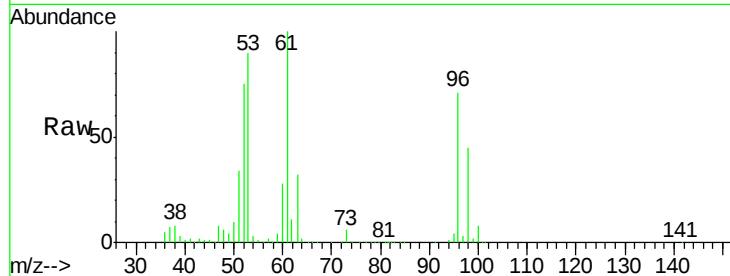
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	141820
Ion	Ratio	Lower	Upper
96	100		
61	141.0	117.0	175.4
98	63.6	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.79 ug/l

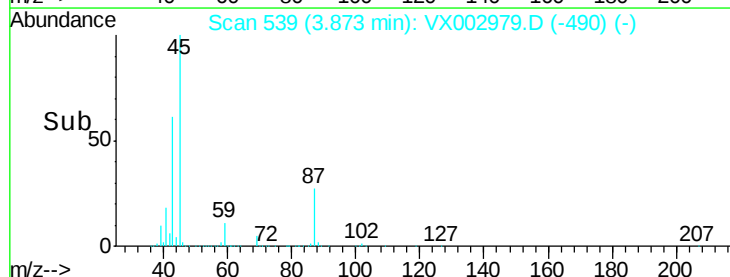
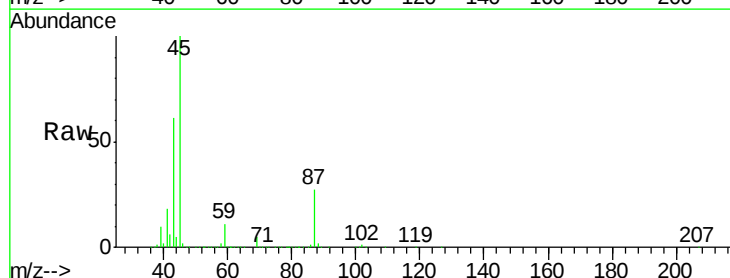
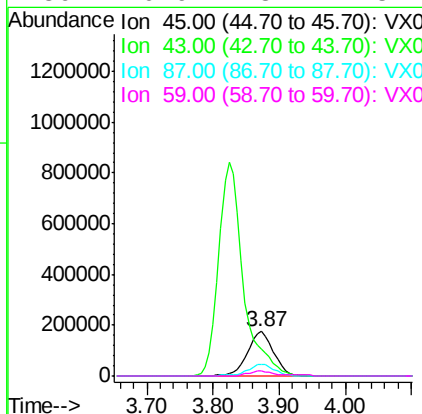
RT: 3.87 min Scan# 539

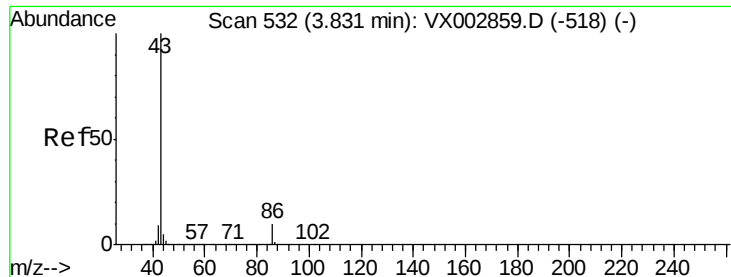
Delta R.T. -0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Tgt Ion:	45	Resp:	485086
Ion	Ratio	Lower	Upper
45	100		
43	61.1	46.8	70.2
87	26.8	20.2	30.4
59	10.9	8.7	13.1





#23

Vinyl Acetate

Concen: 254.10 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2183874

Ion Ratio Lower Upper

43 100

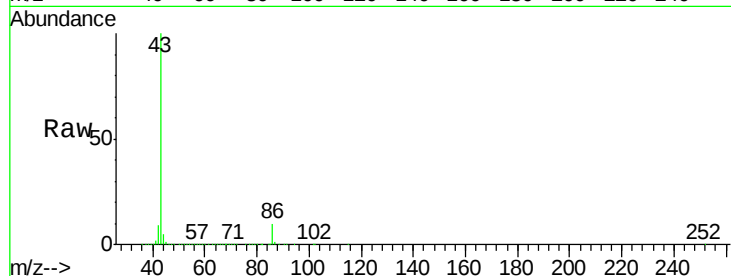
86 9.8 7.4 11.0

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

1000000

800000

600000

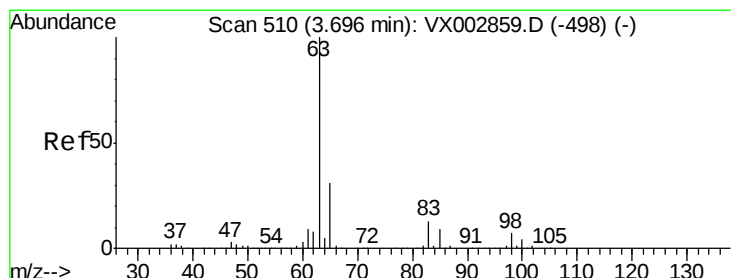
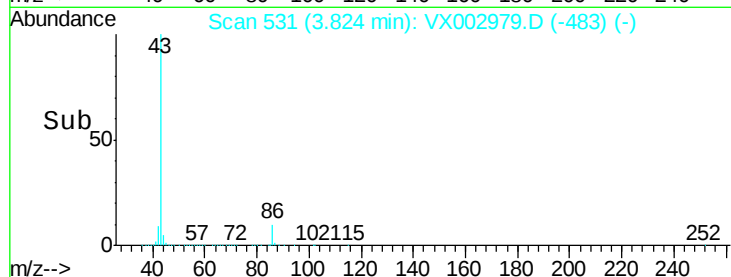
400000

200000

0

3.70 3.80 3.90 4.00 4.10

Time-->



#24

1,1-Dichloroethane

Concen: 48.04 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

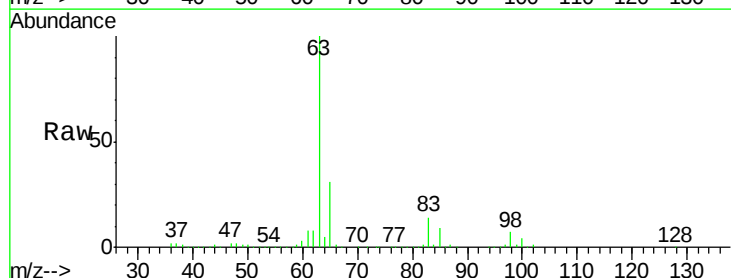
Tgt Ion: 63 Resp: 265003

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

150000

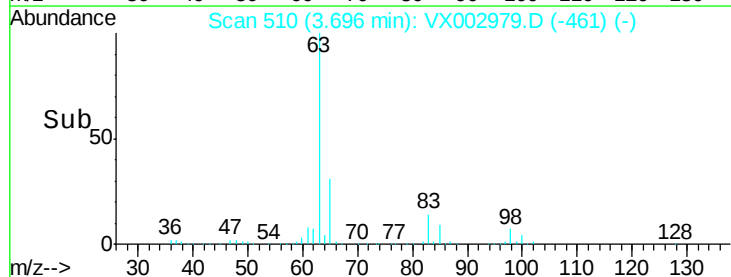
100000

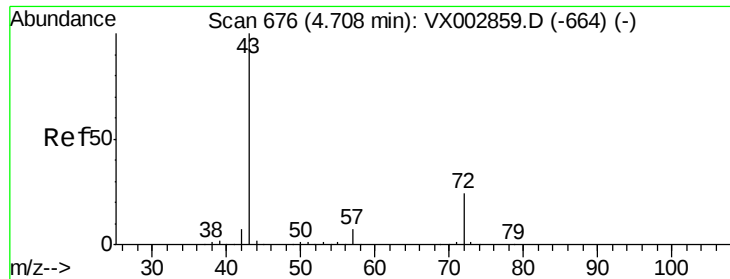
50000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 254.27 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 589967

Ion Ratio Lower Upper

43 100

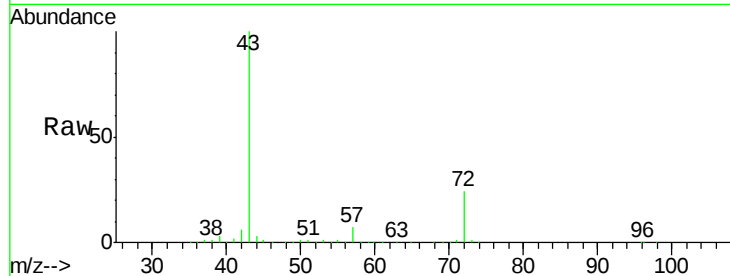
72 24.2 18.5 27.7

Manual Integrations

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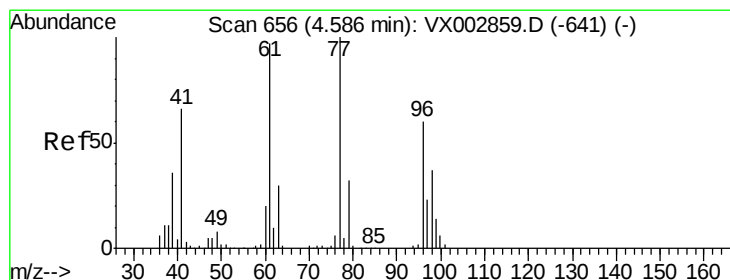
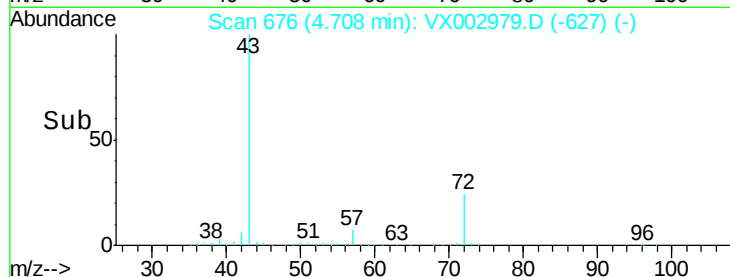
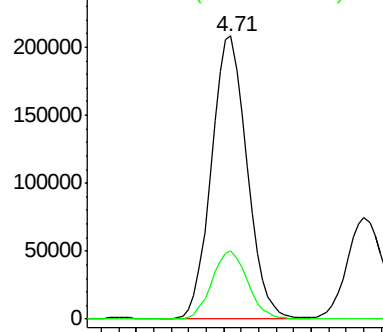
MMDadoda

6/29/2018 12:22:44 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: 51.25 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002979.D

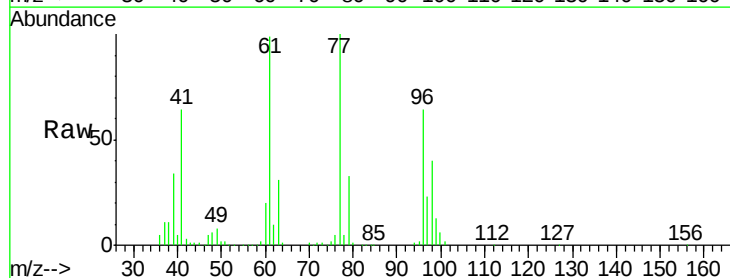
Acq: 28 Jun 2018 12:16

Tgt Ion: 77 Resp: 229917

Ion Ratio Lower Upper

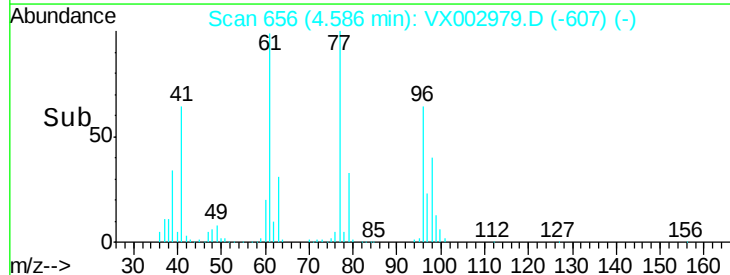
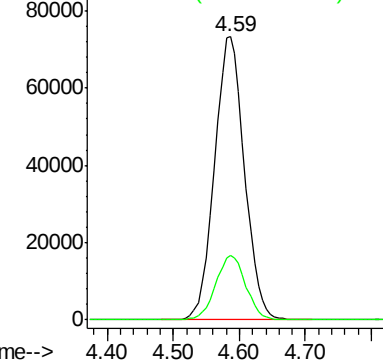
77 100

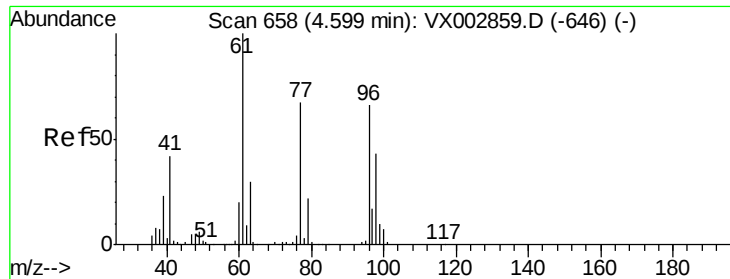
97 22.8 11.2 33.5



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: 49.14 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Tot Ion:	96	Resp:	161630
Ion	Ratio	Lower	Upper
96	100		
61	157.0	0.0	330.2
98	65.1	0.0	130.2

Instrument :

MSVOA_X

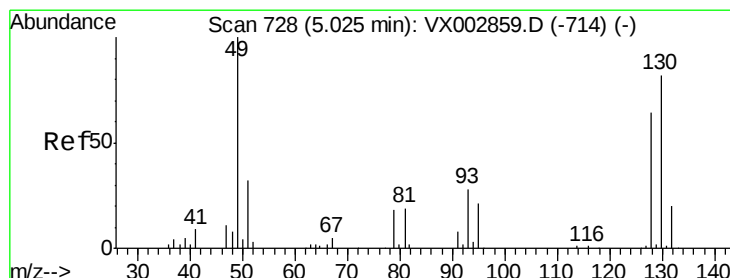
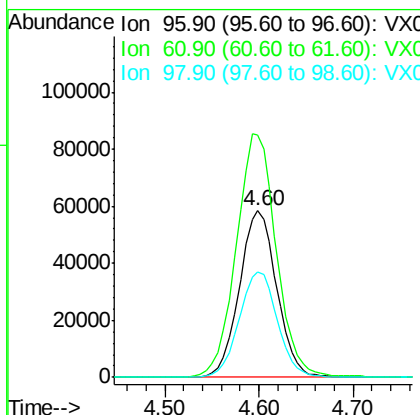
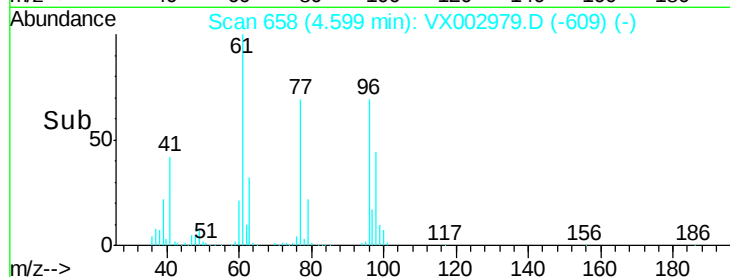
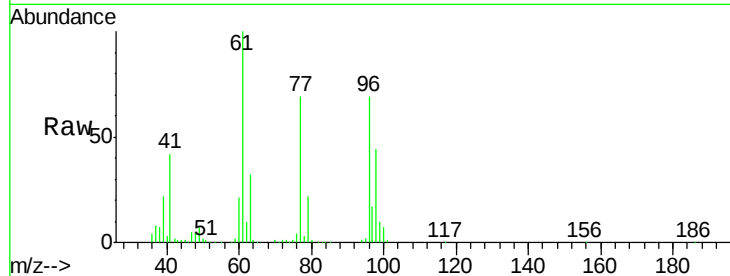
ClientSampleId :

VSTDCCC050

Manual Integrations
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#28

Bromochloromethane

Concen: 48.54 ug/l

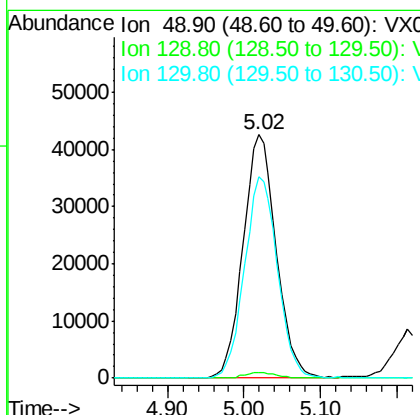
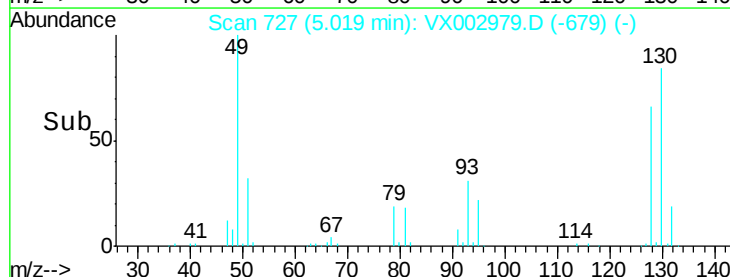
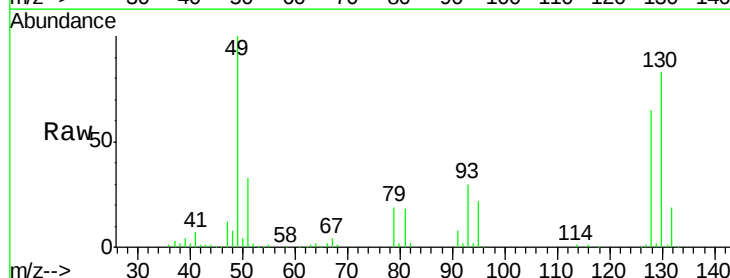
RT: 5.02 min Scan# 727

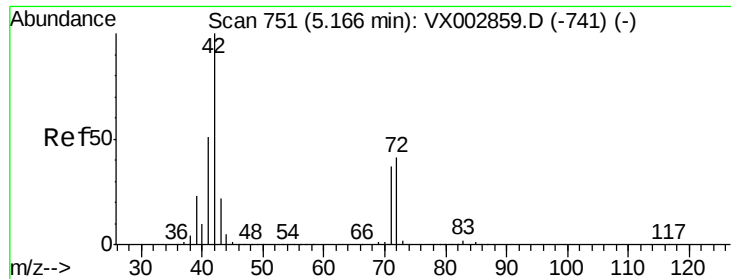
Delta R.T. -0.01 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Tgt Ion:	49	Resp:	128166
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	82.2	61.2	91.8





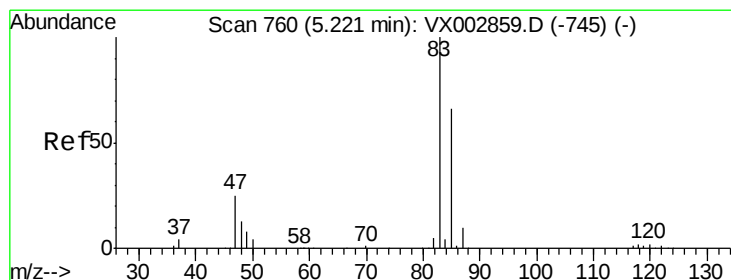
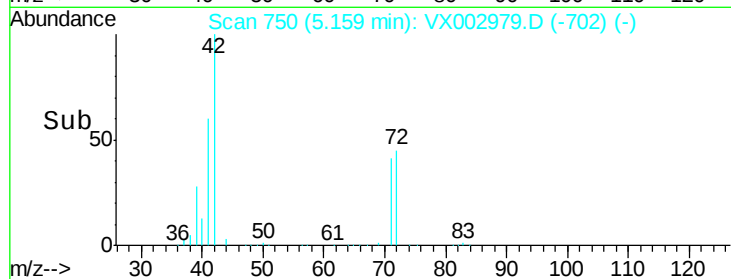
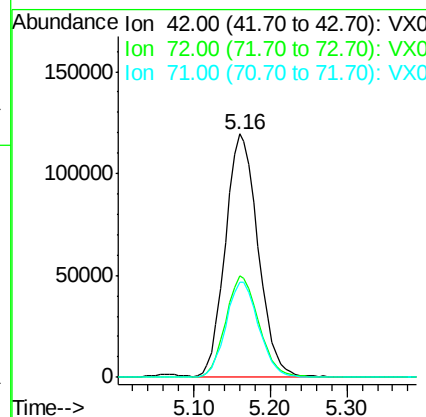
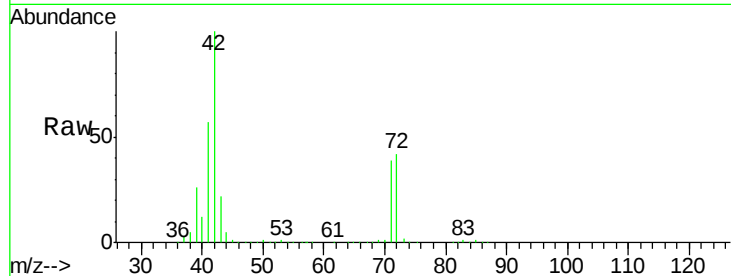
#29
Tetrahydrofuran
Concen: 236.89 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.01 min
Lab File: VX002979.D
Acq: 28 Jun 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	32.0	48.0
71	39.5	30.1	45.1

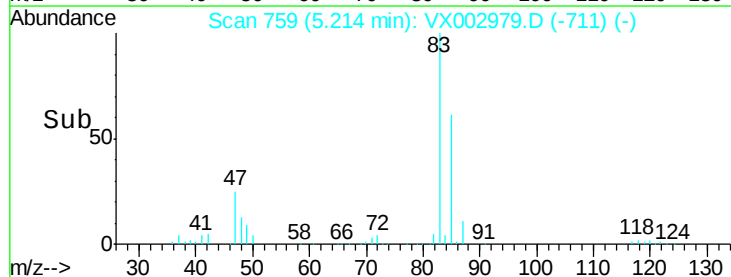
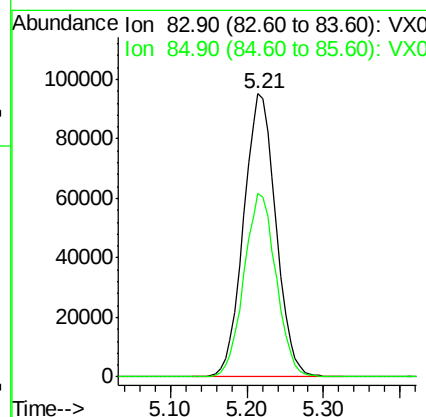
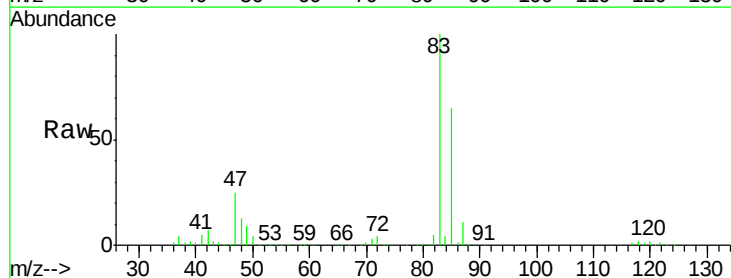
Manual Integrations
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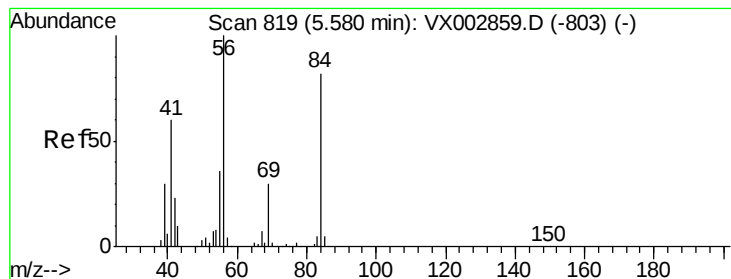
MMDadoda
6/29/2018 12:22:44 PM



#30
Chloroform
Concen: 49.22 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX002979.D
Acq: 28 Jun 2018 12:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.4	75.6





#31

Cyclohexane

Concen: 51.42 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Instrument :

MSVOA_X

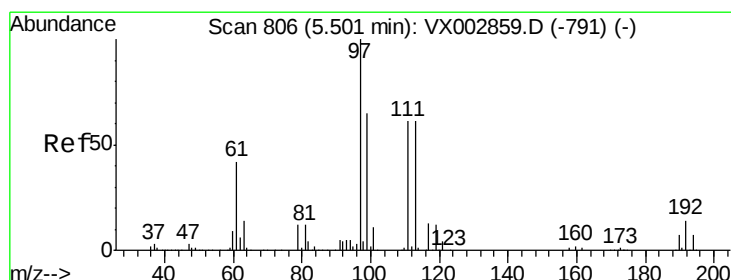
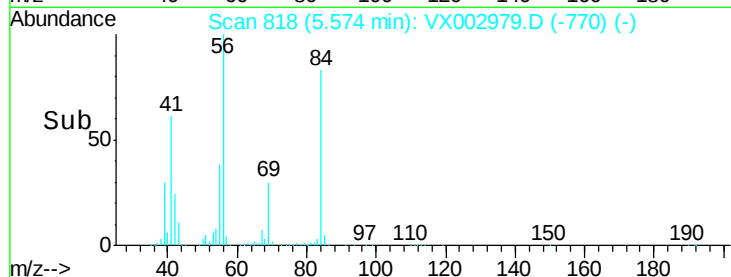
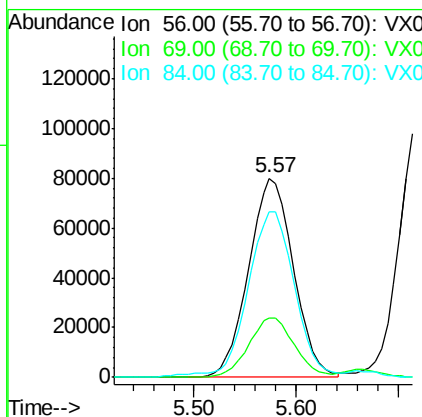
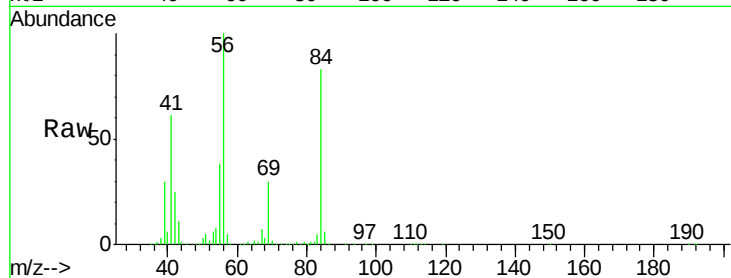
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	243438
Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.7	35.5
84	81.5	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.73 ug/l

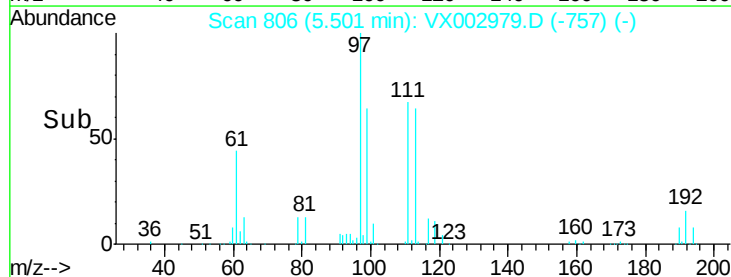
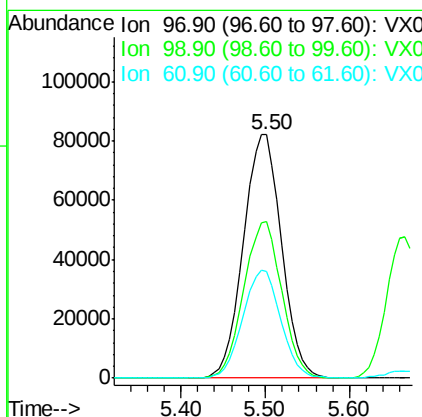
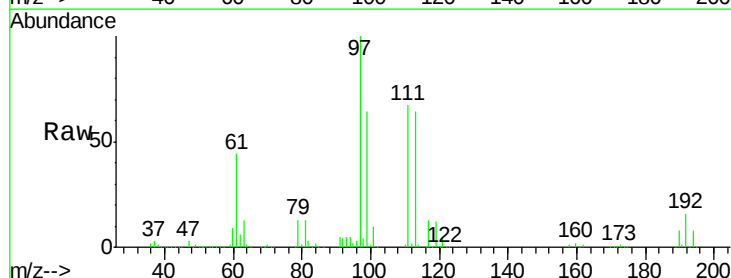
RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Tgt Ion:	97	Resp:	252703
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	44.2	36.4	54.6





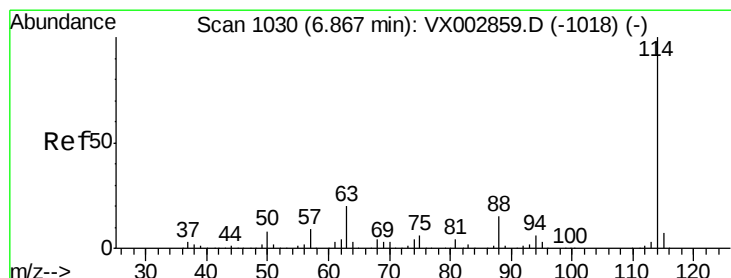
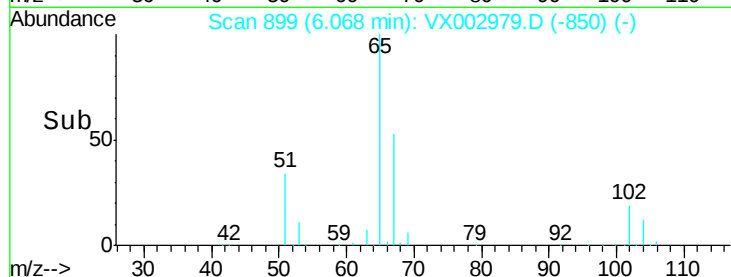
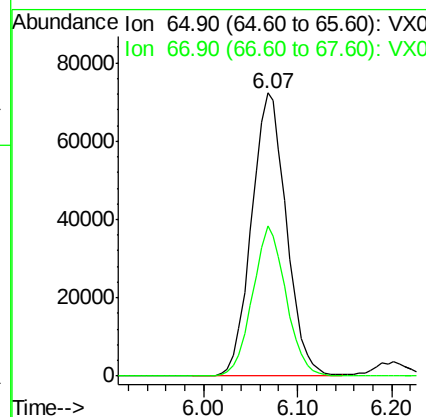
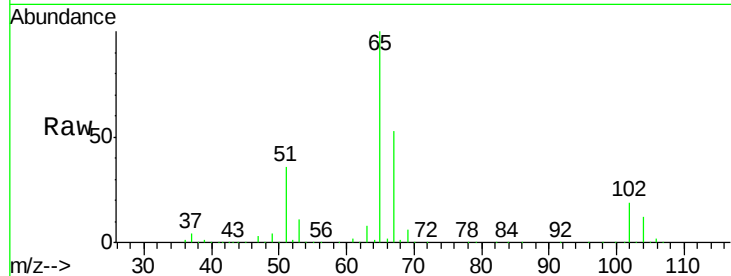
#33
 1,2-Dichloroethane-d4
 Concen: 49.67 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX002979.D
 Acq: 28 Jun 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	187527		
67	51.1	0.0	102.6	

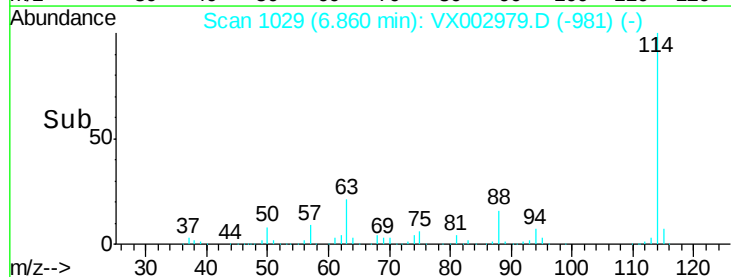
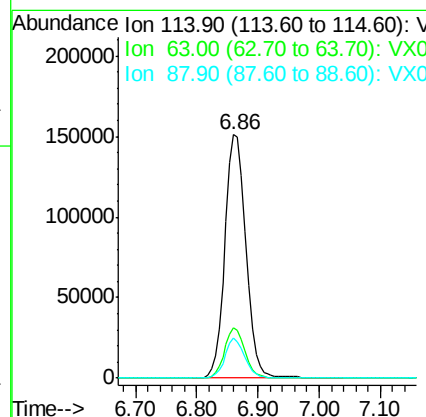
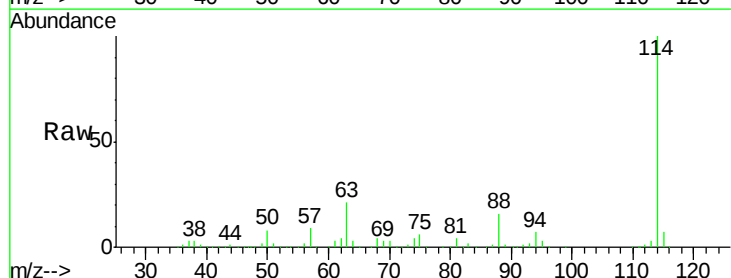
Manual Integrations
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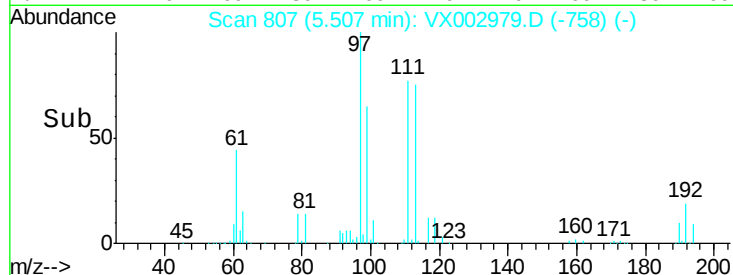
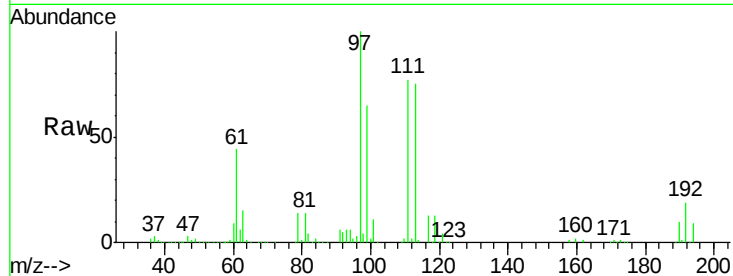
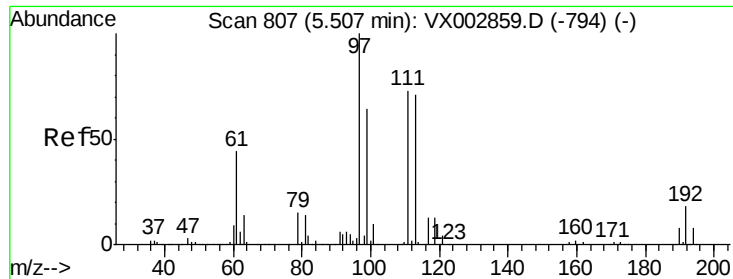
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX002979.D
 Acq: 28 Jun 2018 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	362267		
63	20.6	0.0	41.4	
88	16.3	0.0	30.0	





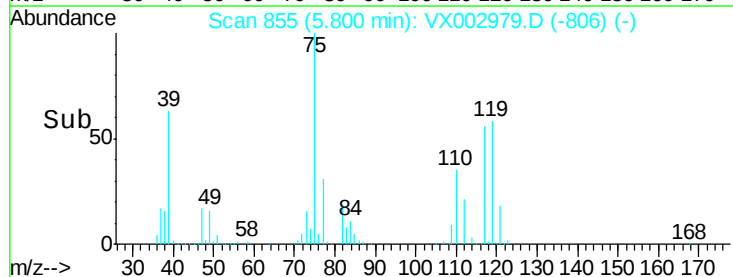
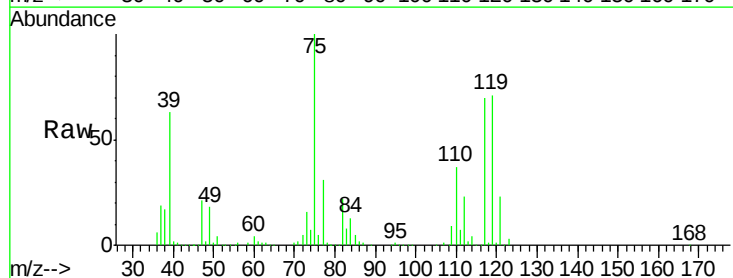
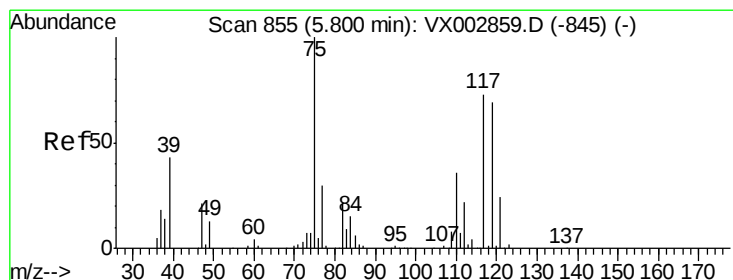
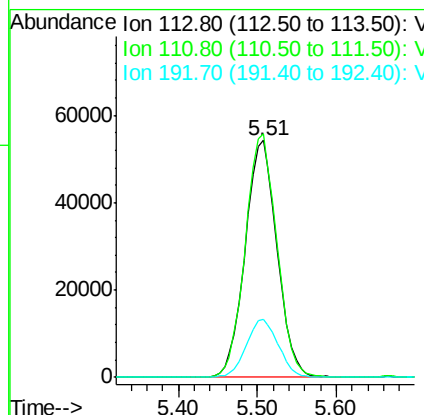
#35
Dibromofluoromethane
Concen: 53.22 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX002979.D
Acq: 28 Jun 2018 12:16

Tot Ion	Ratio	Resp	Lower	Upper
113	100	152692		
111	101.9	81.4	122.0	
192	24.5	19.1	28.7	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

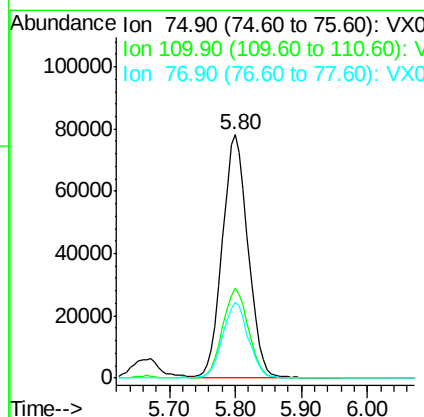
Manual Integrations
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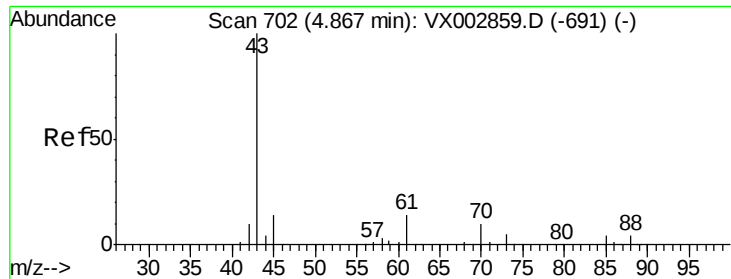
MMDadoda
6/29/2018 12:22:44 PM



#36
1,1-Dichloropropene
Concen: 52.85 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.00 min
Lab File: VX002979.D
Acq: 28 Jun 2018 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	209952		
110	37.1	18.1	54.4	
77	30.7	24.3	36.5	





#37

Ethyl Acetate

Concen: 50.60 ug/l

RT: 4.86 min Scan# 701

Delta R.T. -0.01 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Instrument :

MSVOA_X

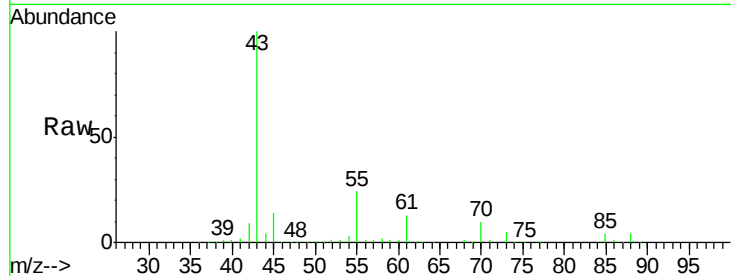
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	216451
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.4	15.6
70	9.8	7.6	11.4

Manual Integrations
APPROVED

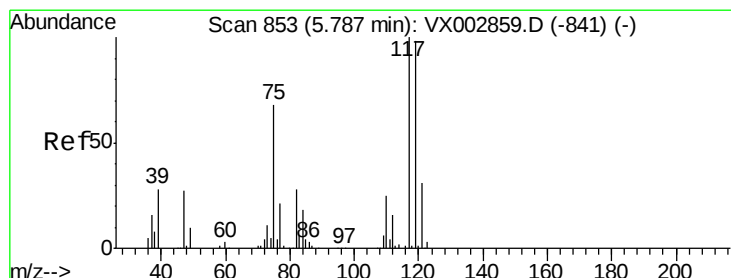
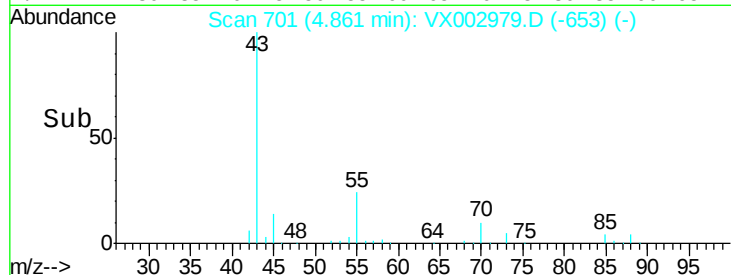
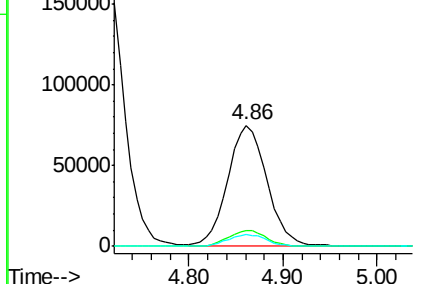
MMDadoda
6/29/2018 12:22:44 PM



Abundance Ion 43.00 (42.70 to 43.70): VX002979.D (-653) (-)

Ion 60.90 (60.60 to 61.60): VX002979.D (-653) (-)

Ion 70.00 (69.70 to 70.70): VX002979.D (-653) (-)



#38

Carbon Tetrachloride

Concen: 52.97 ug/l

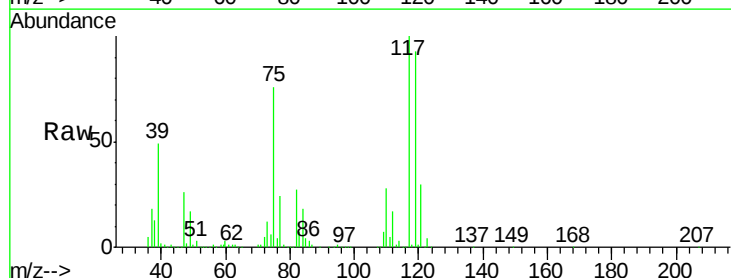
RT: 5.79 min Scan# 853

Delta R.T. -0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

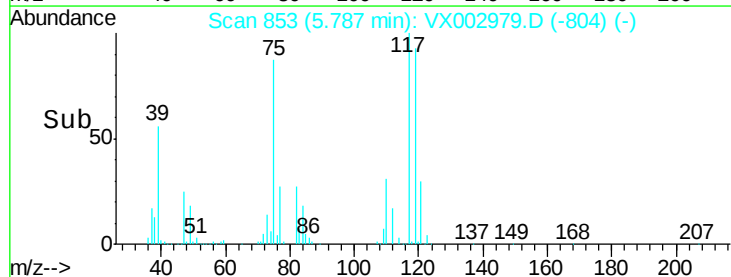
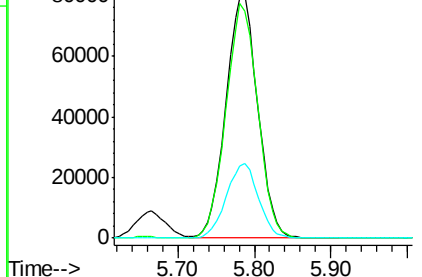
Tgt Ion:	117	Resp:	230938
Ion	Ratio	Lower	Upper
117	100		
119	93.5	77.4	116.0
121	30.5	24.4	36.6

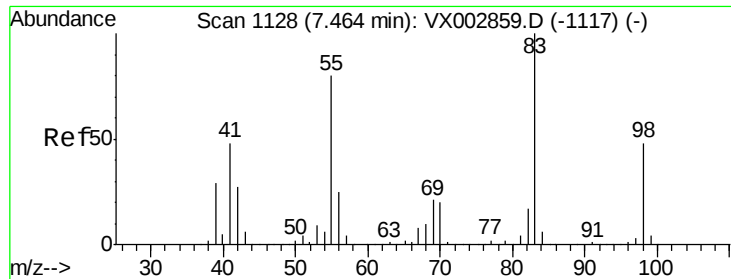


Abundance Ion 116.80 (116.50 to 117.50): VX002979.D (-804) (-)

Ion 118.80 (118.50 to 119.50): VX002979.D (-804) (-)

Ion 120.80 (120.50 to 121.50): VX002979.D (-804) (-)





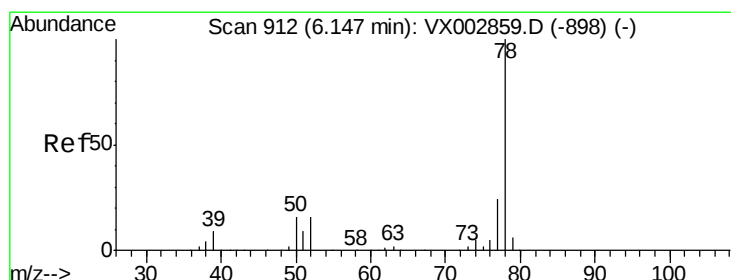
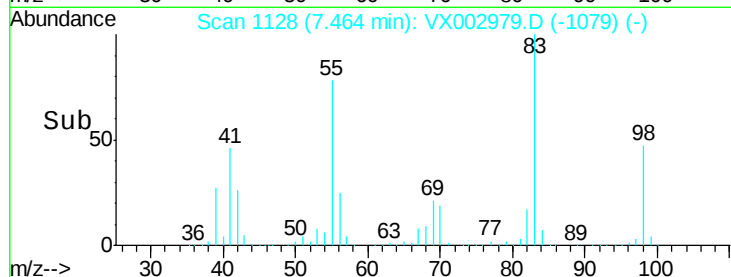
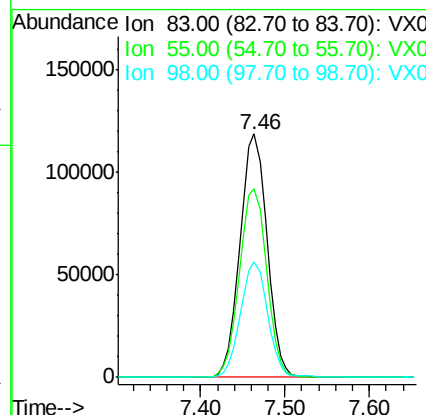
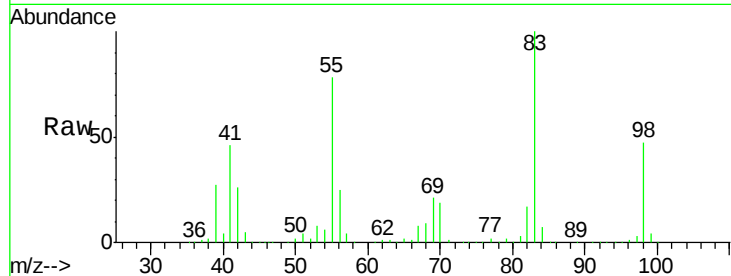
#39
Methylvlcvclohexane
Concen: 55.65 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002979.D
Acq: 28 Jun 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	65.4	98.0
98	47.4	37.4	56.0

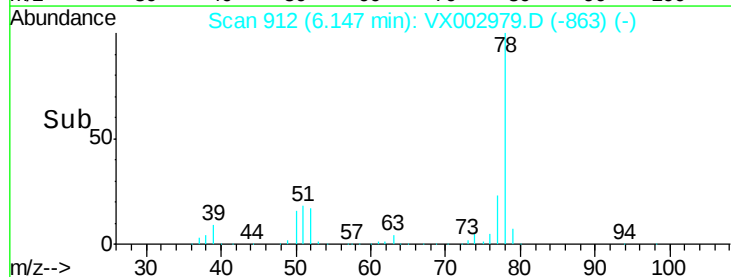
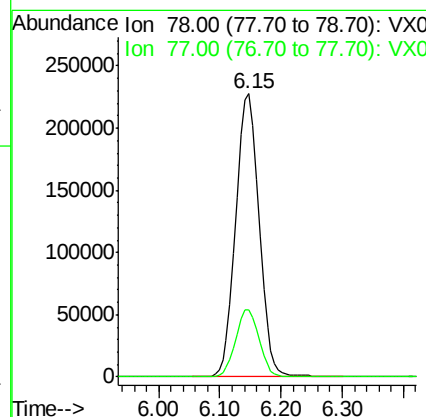
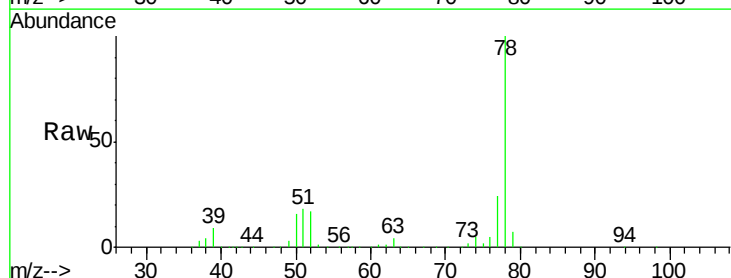
Manual Integrations
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#40
Benzene
Concen: 51.98 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002979.D
Acq: 28 Jun 2018 12:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7





#41

Methacrylonitrile

Concen: 50.89 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.01 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Instrument :

MSVOA_X

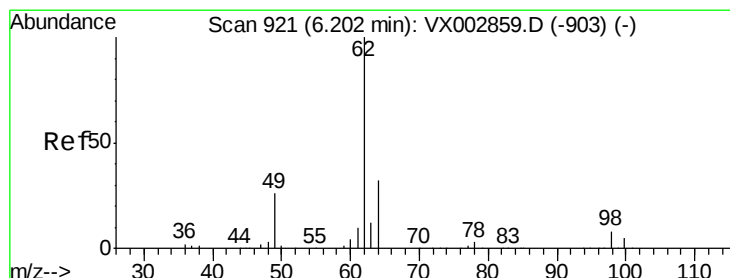
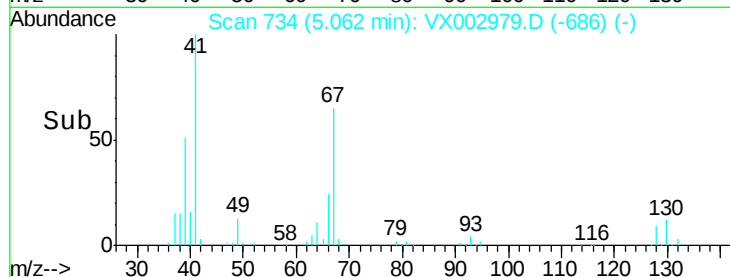
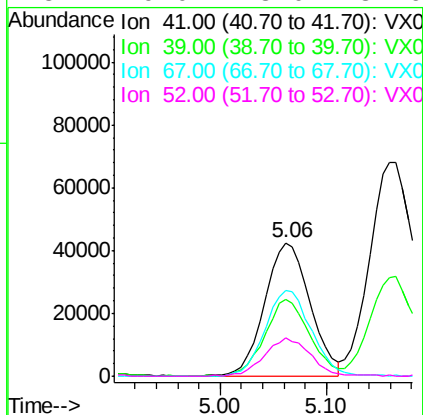
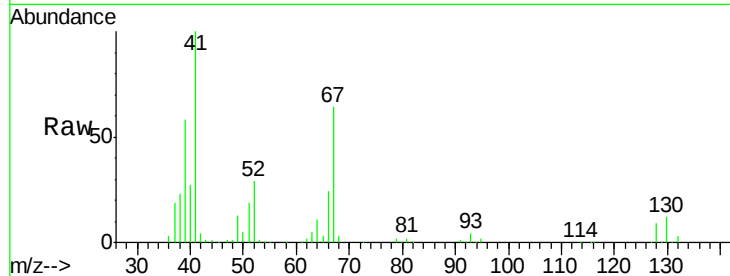
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.9	45.8	68.6	
67	65.9	51.3	76.9	
52	29.0	23.0	34.6	

Manual Integrations
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6/29/2018 12:22:44 PM



#42

1,2-Dichloroethane

Concen: 49.46 ug/l

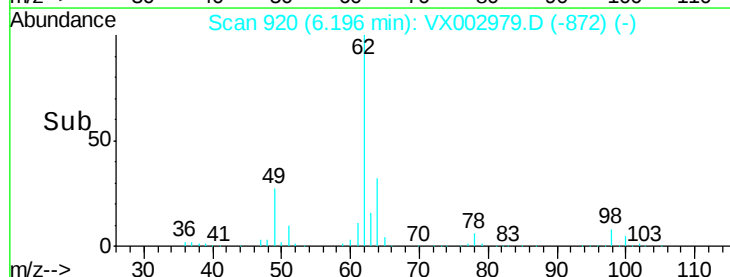
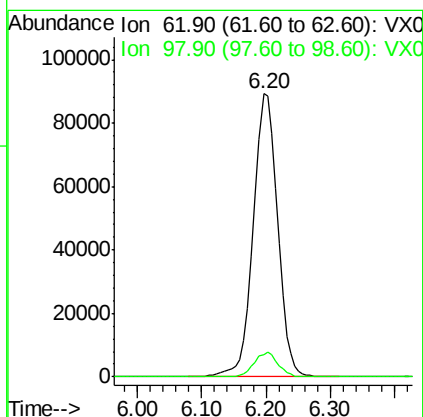
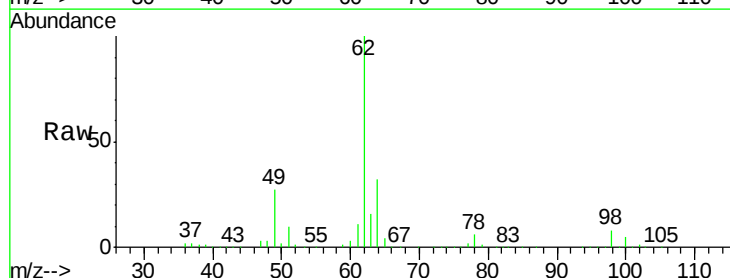
RT: 6.20 min Scan# 920

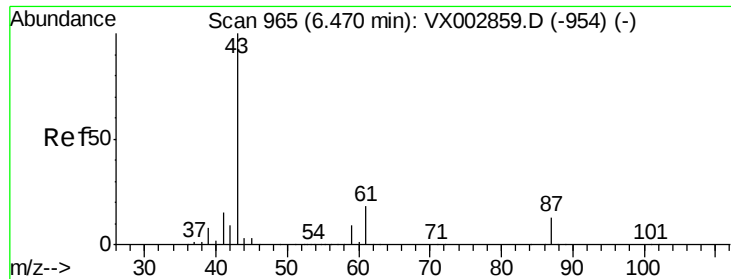
Delta R.T. -0.01 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

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





#43

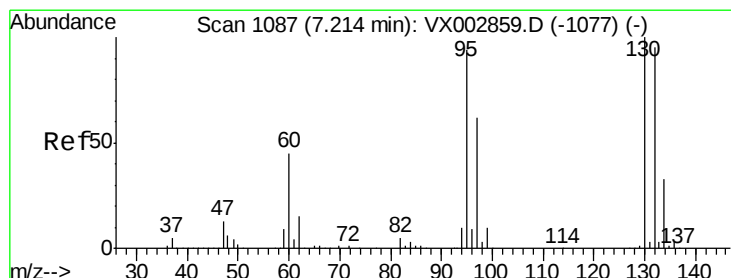
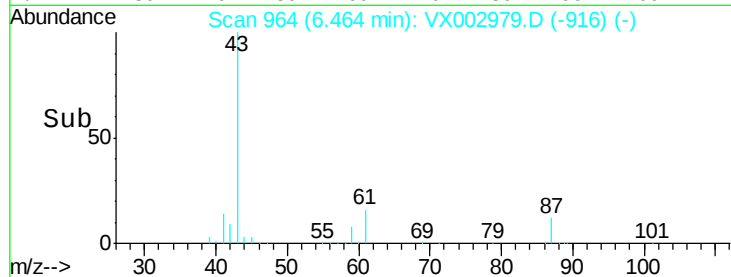
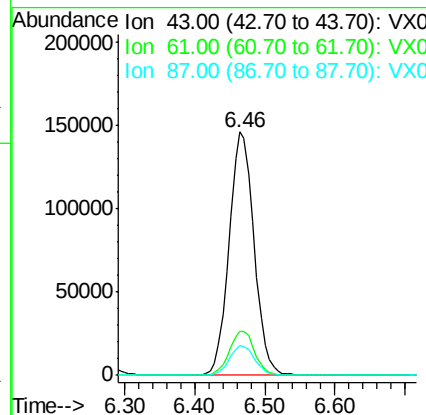
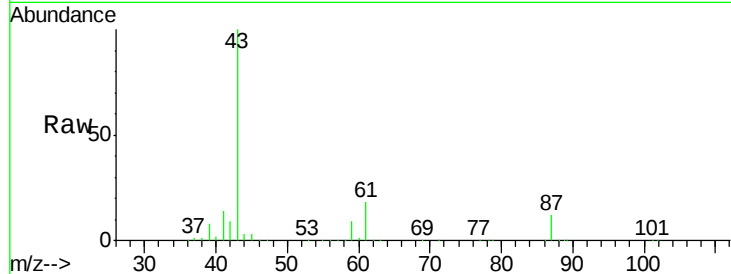
Isopropyl Acetate
 Concen: 50.43 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VX002979.D
 Acq: 28 Jun 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	43	Resp:	361808
Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.4	21.6
87	12.4	9.5	14.3

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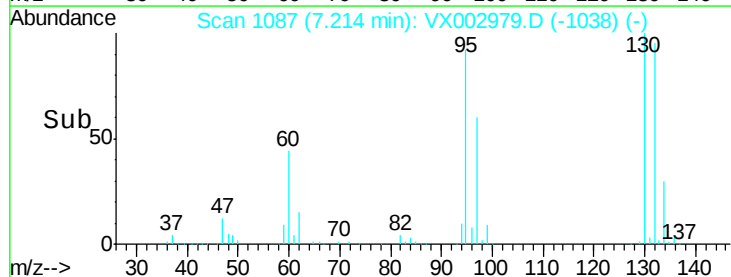
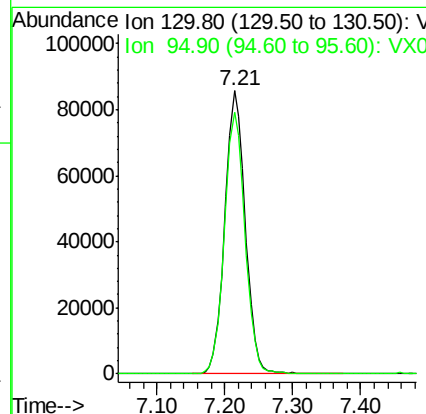
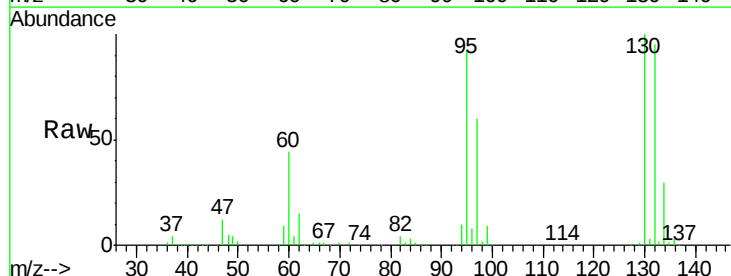
MMDadoda
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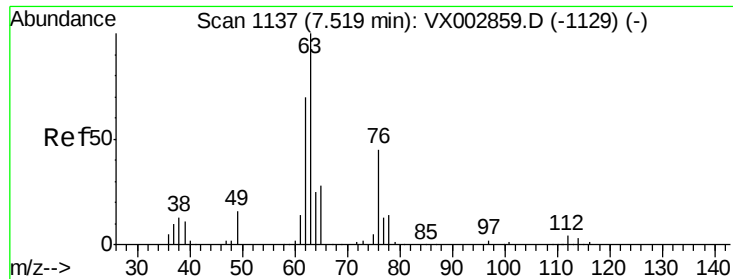


#44

Trichloroethene
 Concen: 52.05 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX002979.D
 Acq: 28 Jun 2018 12:16

Tgt Ion:	130	Resp:	179132
Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	185.4





#45

1,2-Dichloropropane

Concen: 51.04 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 156288

Ion Ratio Lower Upper

63 100

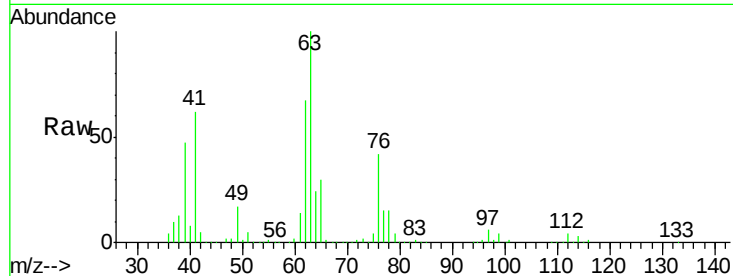
65 30.2 24.7 37.1

Manual Integrations

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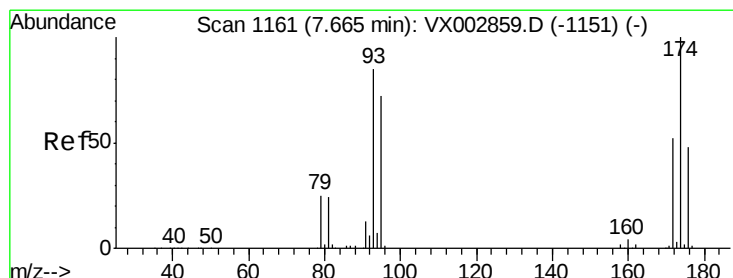
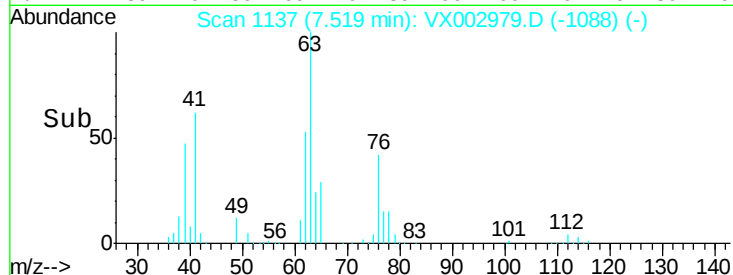
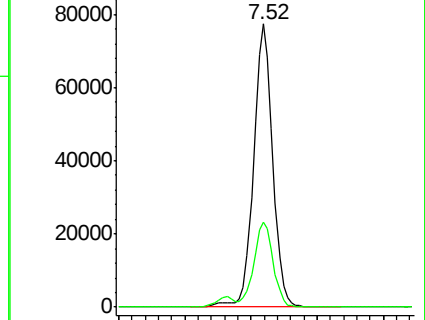
MMDadoda

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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: 50.22 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

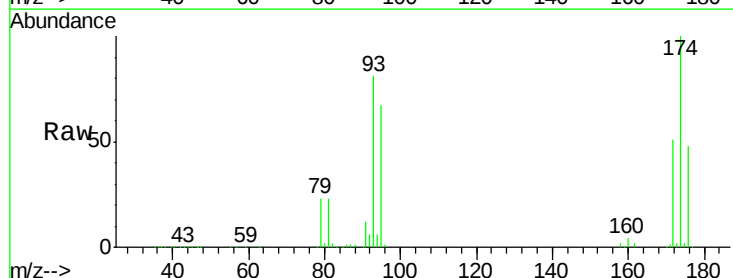
Tgt Ion: 93 Resp: 106714

Ion Ratio Lower Upper

93 100

95 82.8 65.9 98.9

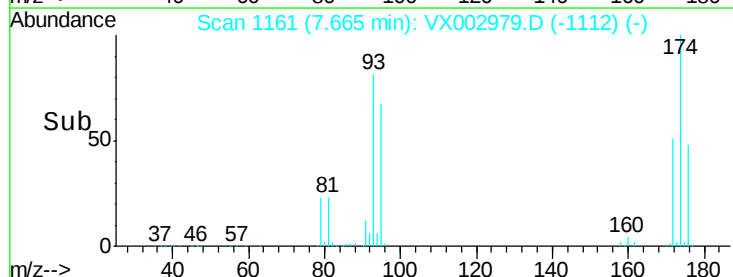
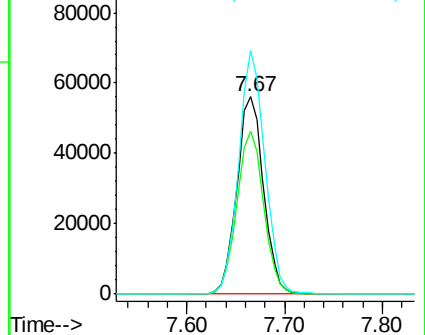
174 120.7 92.4 138.6



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: 53.90 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Instrument :

MSVOA_X

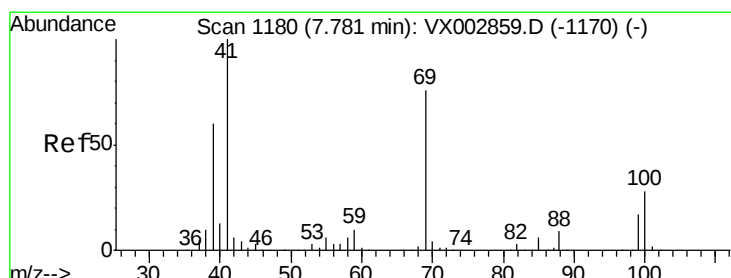
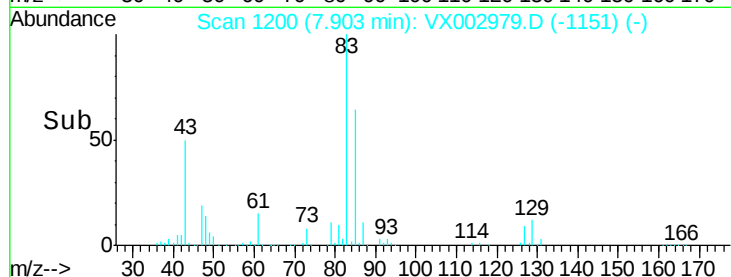
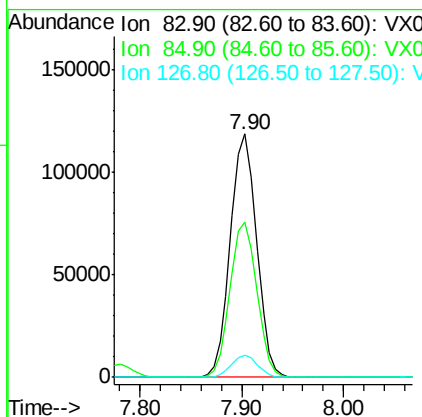
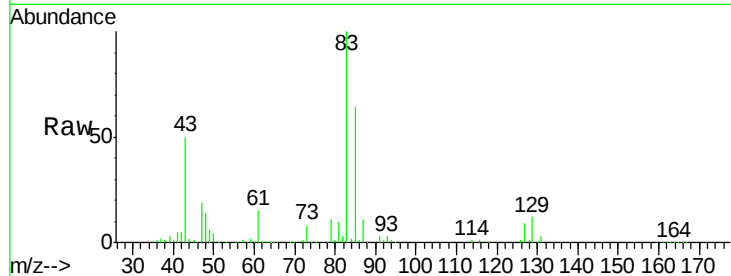
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	211743
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.3	75.5
127	9.1	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.67 ug/l

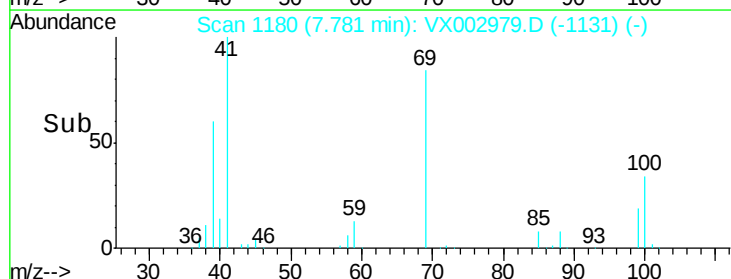
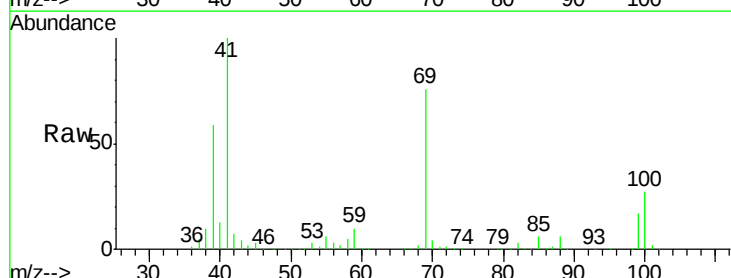
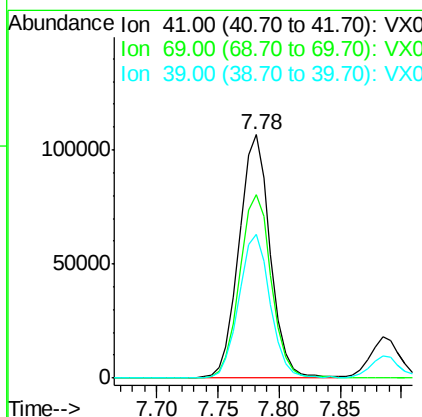
RT: 7.78 min Scan# 1180

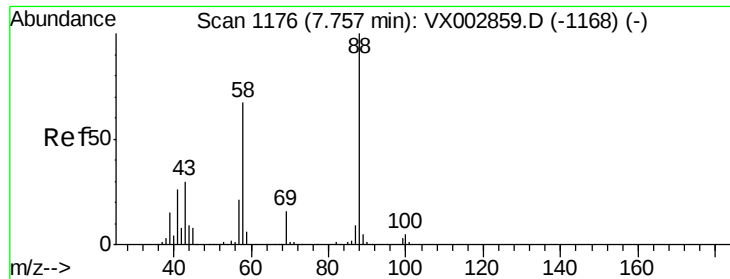
Delta R.T. -0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Tgt Ion:	41	Resp:	187293
Ion	Ratio	Lower	Upper
41	100		
69	77.2	59.1	88.7
39	59.4	48.9	73.3





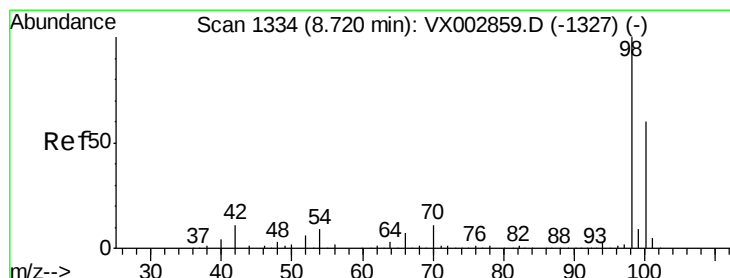
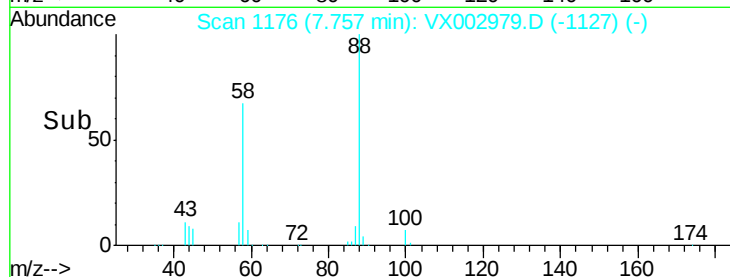
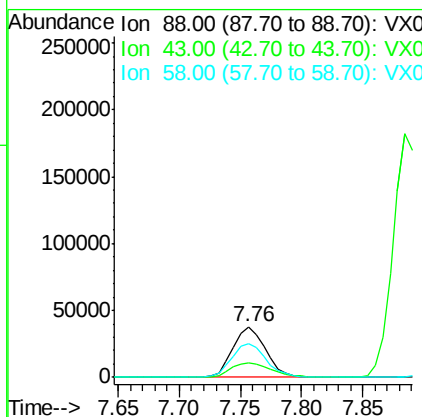
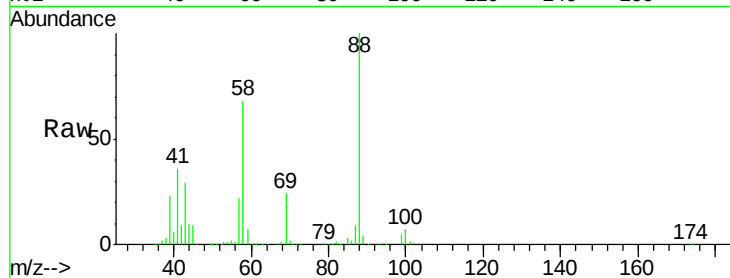
#49
1,4-Dioxane
Concen: 976.37 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX002979.D
Acq: 28 Jun 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.6	29.8	44.6
58	70.3	57.1	85.7

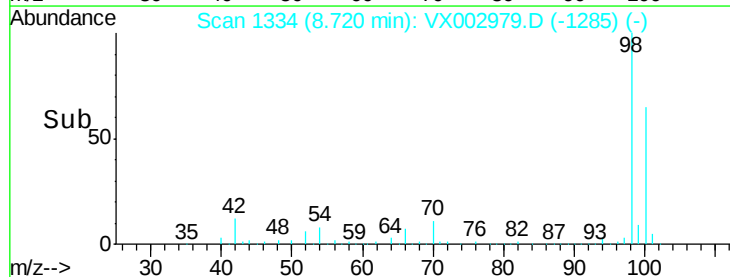
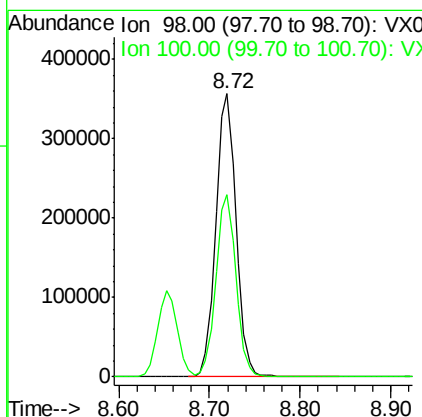
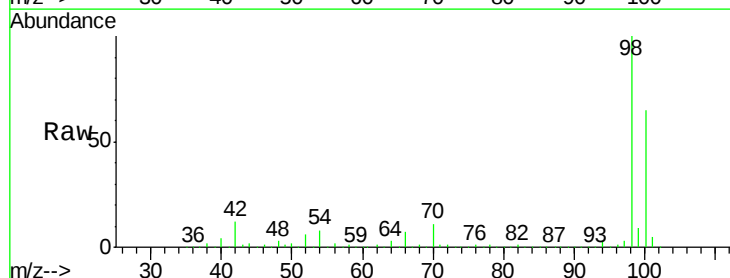
Manual Integrations
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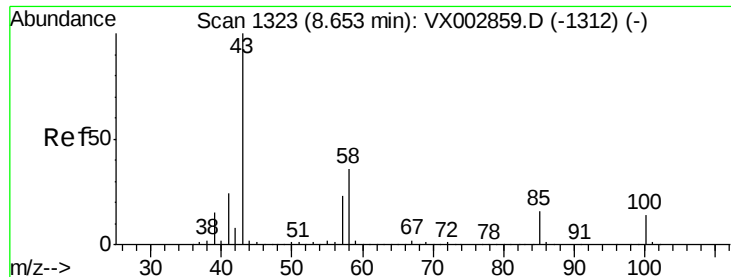
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#50
Toluene-d8
Concen: 53.34 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002979.D
Acq: 28 Jun 2018 12:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 254.25 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1141164

Ion Ratio Lower Upper

43 100

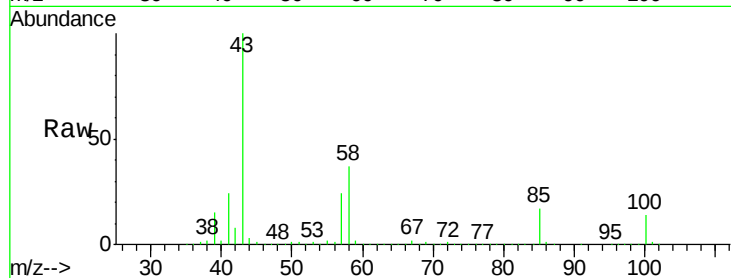
58 36.8 28.6 42.8

Manual Integrations

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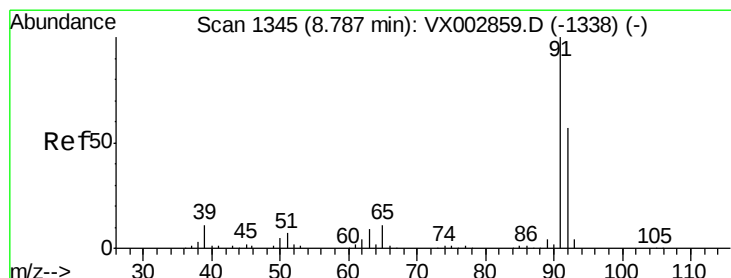
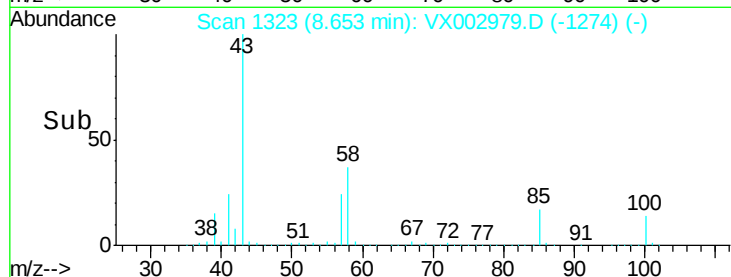
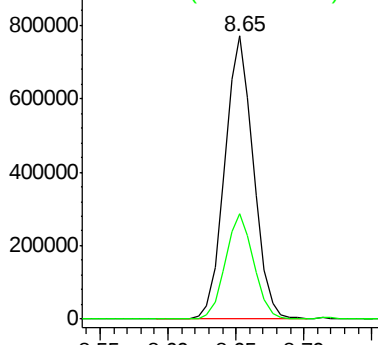
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 52.87 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002979.D

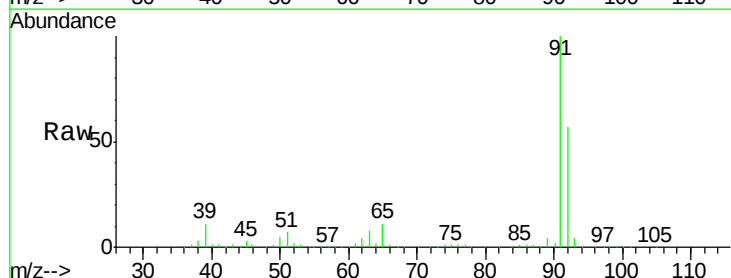
Acq: 28 Jun 2018 12:16

Tgt Ion: 92 Resp: 390958

Ion Ratio Lower Upper

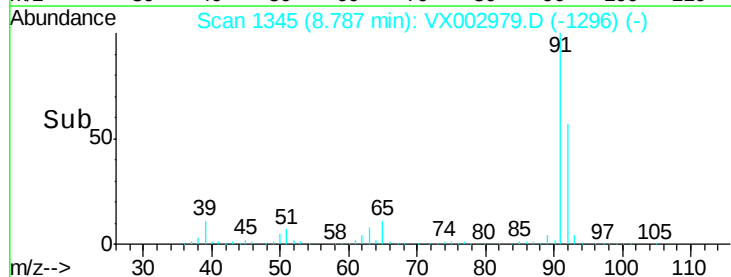
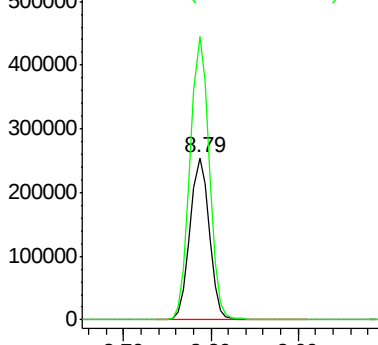
92 100

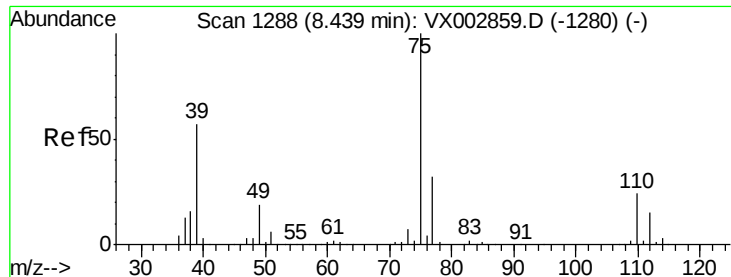
91 173.5 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





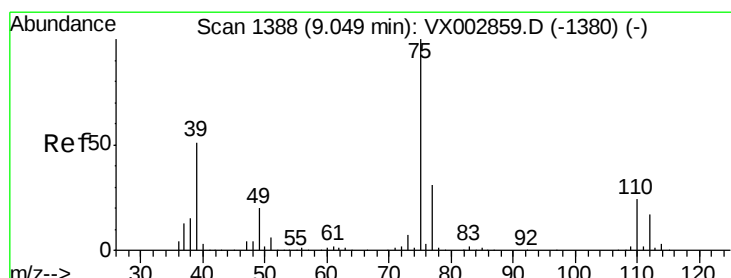
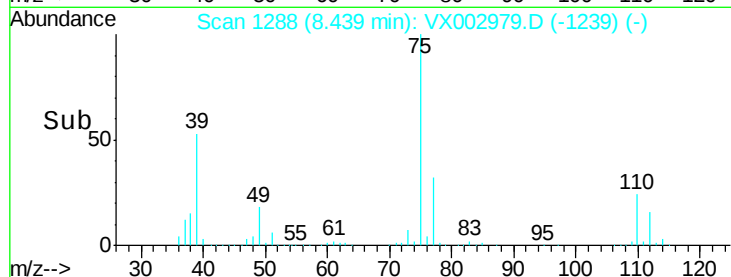
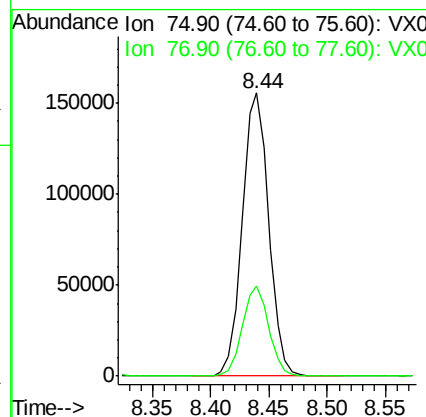
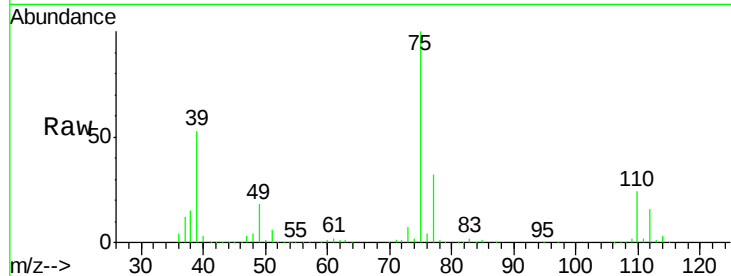
#53
t-1,3-Dichloropropene
Concen: 55.48 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002979.D
Acq: 28 Jun 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 246827
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2

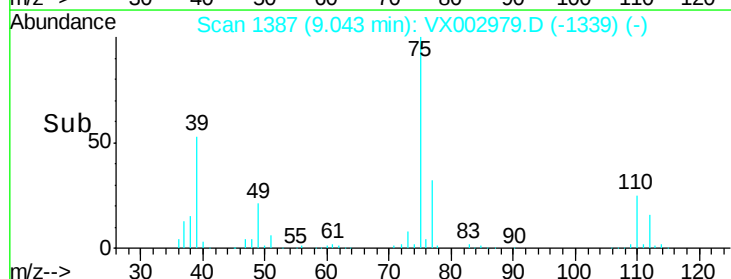
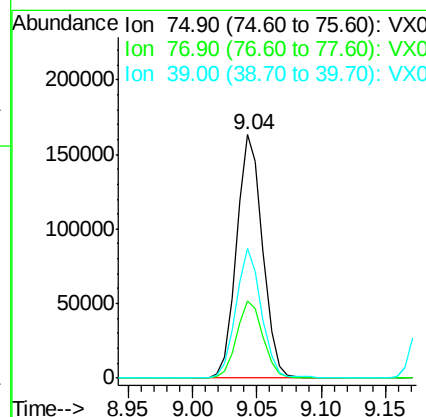
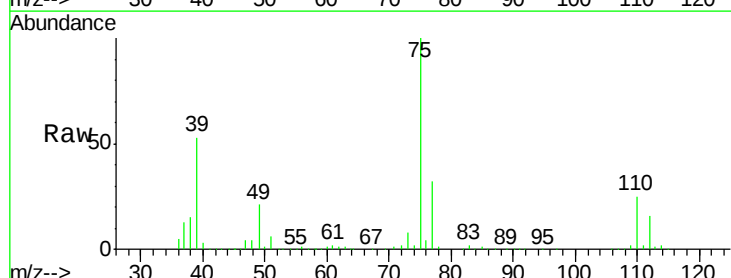
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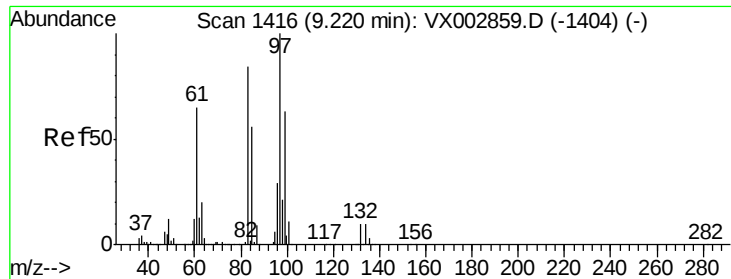
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#54
cis-1,3-Dichloropropene
Concen: 53.66 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX002979.D
Acq: 28 Jun 2018 12:16

Tgt Ion: 75 Resp: 229695
Ion Ratio Lower Upper
75 100
77 31.6 24.8 37.2
39 53.3 42.4 63.6





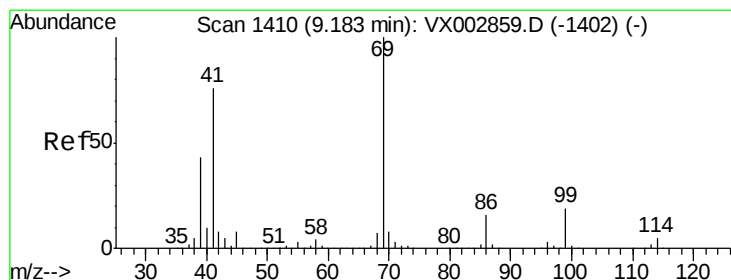
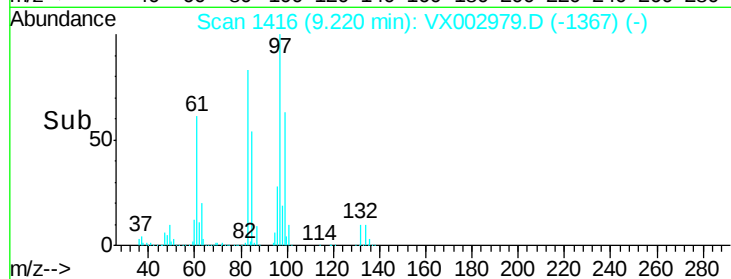
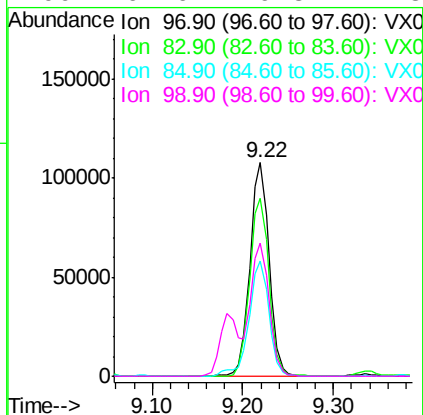
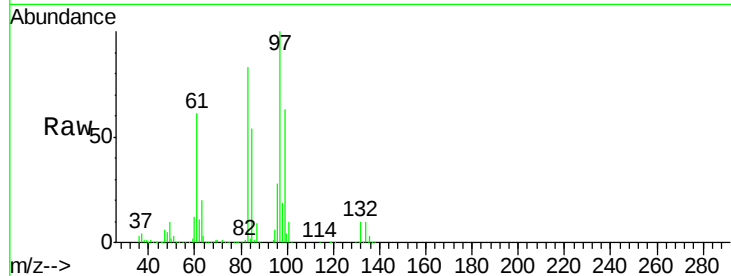
#55
 1,1,2-Trichloroethane
 Concen: 51.96 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002979.D
 Acq: 28 Jun 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	157880
Ion	Ratio	Lower	Upper
97	100		
83	83.2	70.2	105.2
85	54.1	44.9	67.3
99	62.6	49.8	74.8

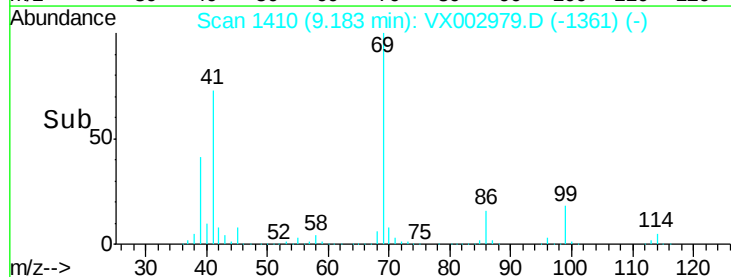
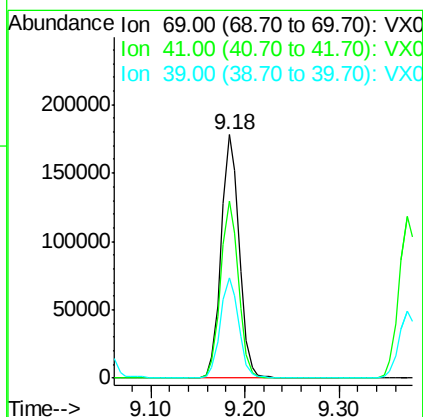
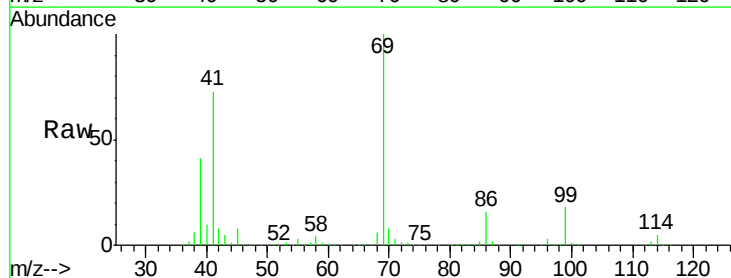
Manual Integrations
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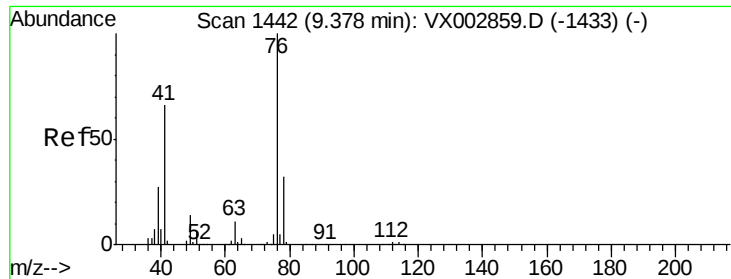
MMDadoda
 6/29/2018 12:22:44 PM



#56
 Ethyl methacrylate
 Concen: 53.39 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002979.D
 Acq: 28 Jun 2018 12:16

Tgt Ion:	69	Resp:	237083
Ion	Ratio	Lower	Upper
69	100		
41	72.4	60.3	90.5
39	41.9	35.8	53.8





#57

1,3-Dichloropropane

Concen: 51.33 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 256193

Ion Ratio Lower Upper

76 100

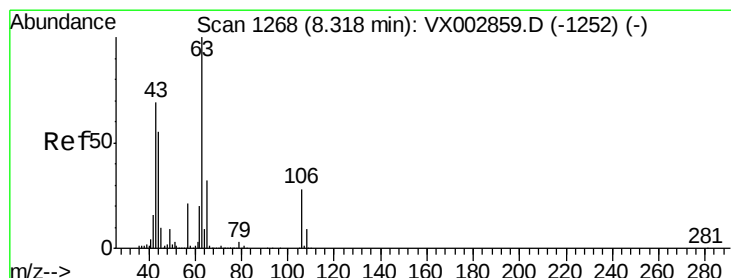
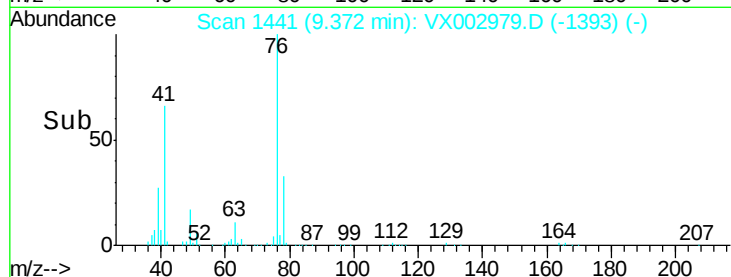
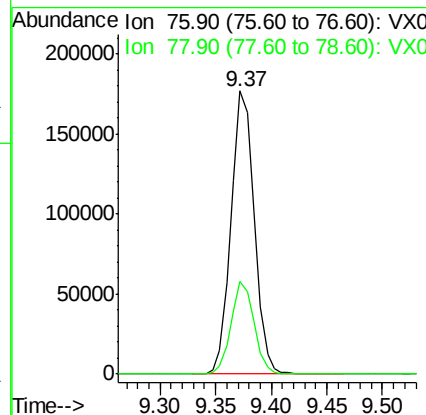
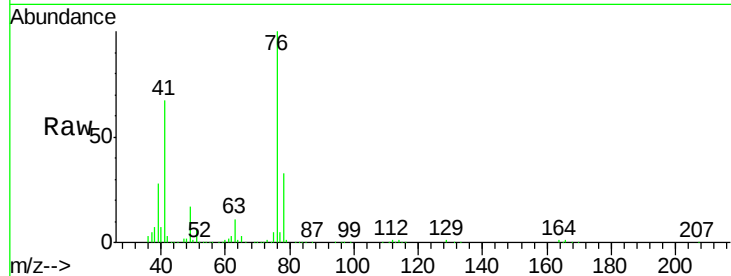
78 32.3 25.8 38.6

Manual Integrations

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6/29/2018 12:22:44 PM



#58

2-Chloroethyl Vinyl ether

Concen: 198.91 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002979.D

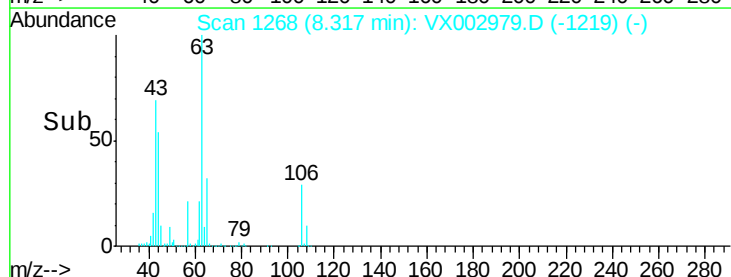
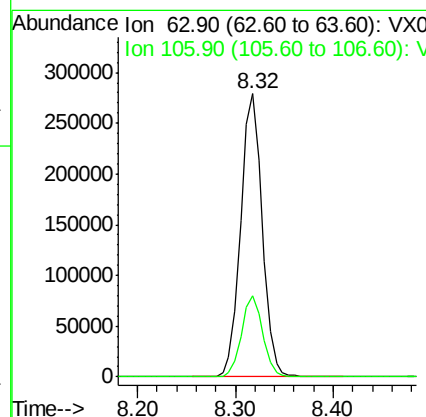
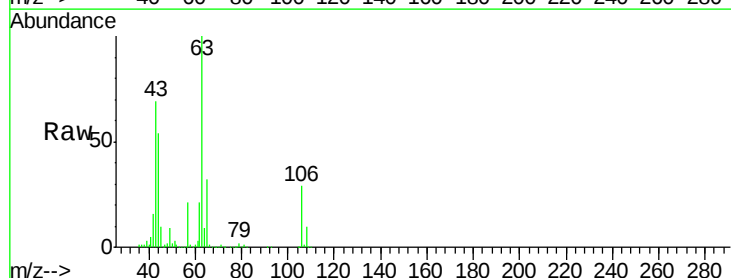
Acq: 28 Jun 2018 12:16

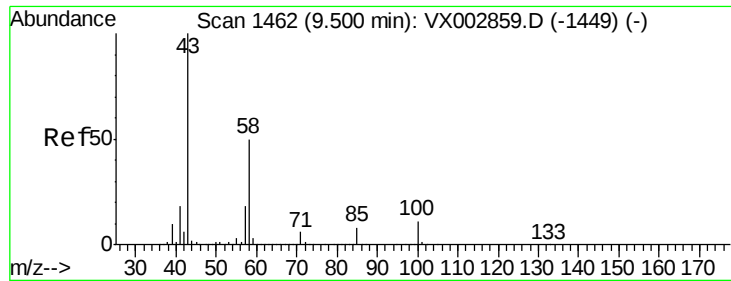
Tgt Ion: 63 Resp: 426165

Ion Ratio Lower Upper

63 100

106 28.4 21.8 32.8





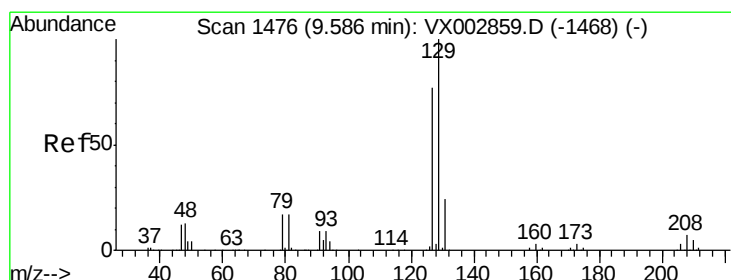
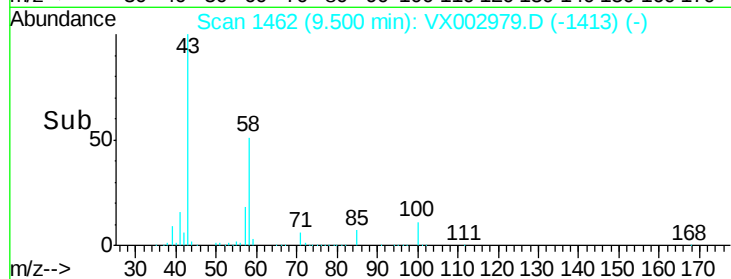
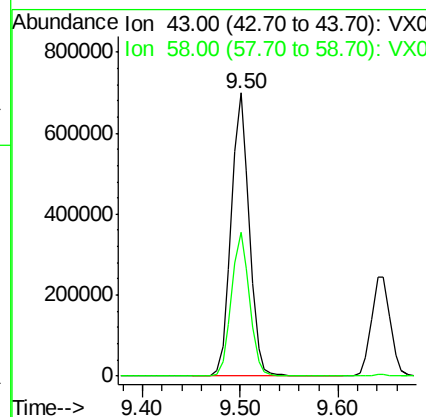
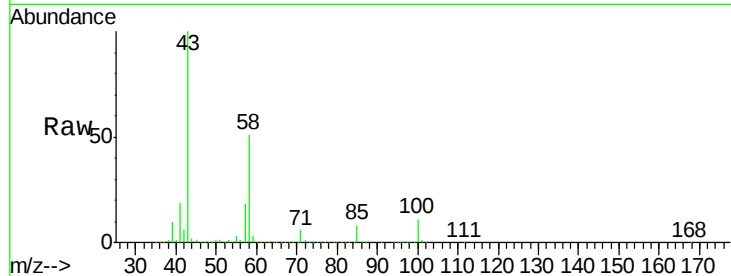
#59
2-Hexanone
Concen: 262.60 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002979.D
Acq: 28 Jun 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 895762
Ion Ratio Lower Upper
43 100
58 50.9 24.6 73.6

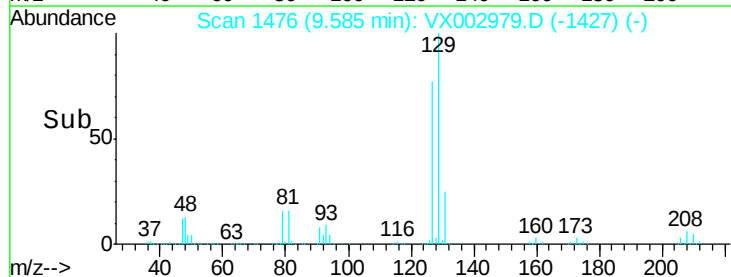
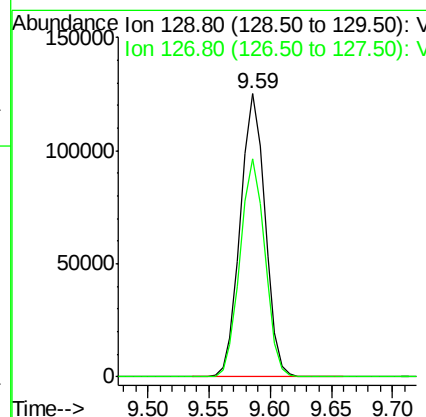
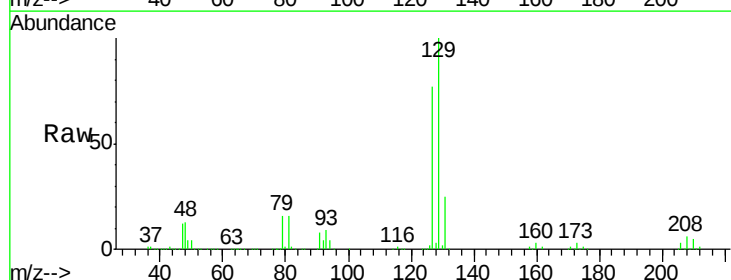
Manual Integrations
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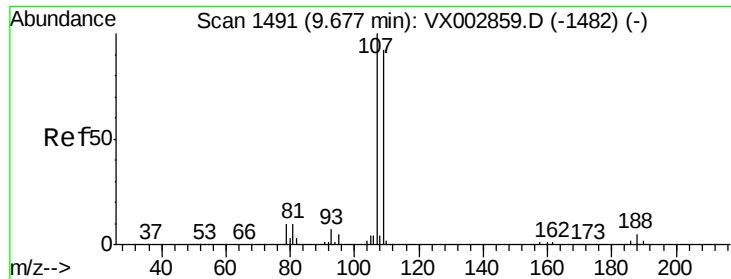
MMDadoda
6/29/2018 12:22:44 PM



#60
Dibromochloromethane
Concen: 54.68 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002979.D
Acq: 28 Jun 2018 12:16

Tgt Ion: 129 Resp: 174902
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.3





#61

1,2-Dibromoethane

Concen: 52.43 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 167114

Ion Ratio Lower Upper

107 100

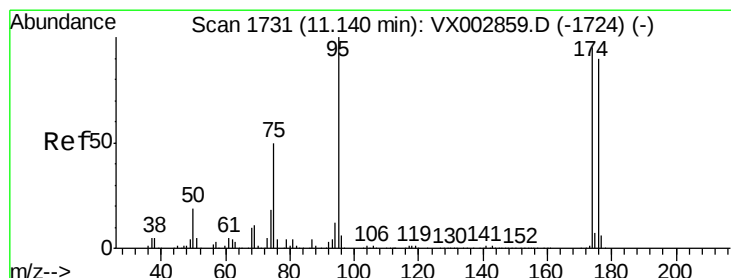
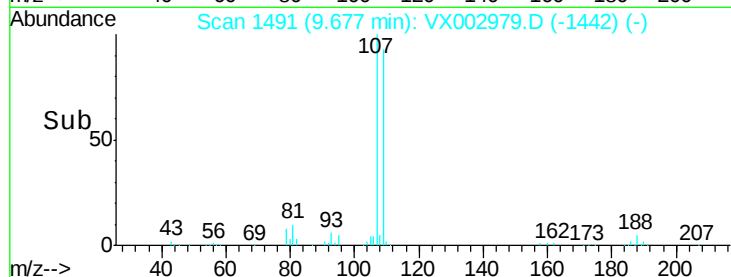
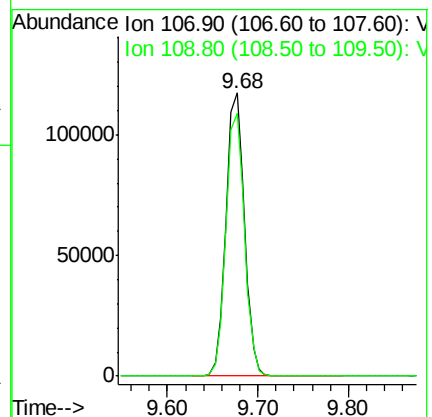
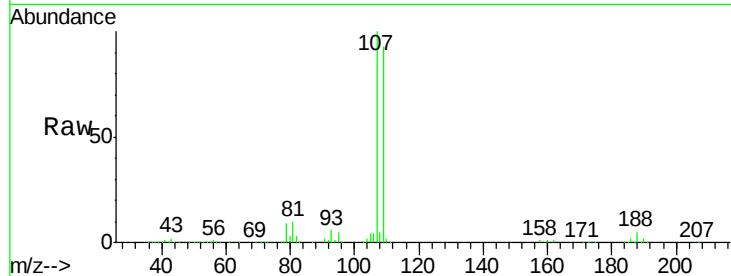
109 93.7 75.3 112.9

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 54.02 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

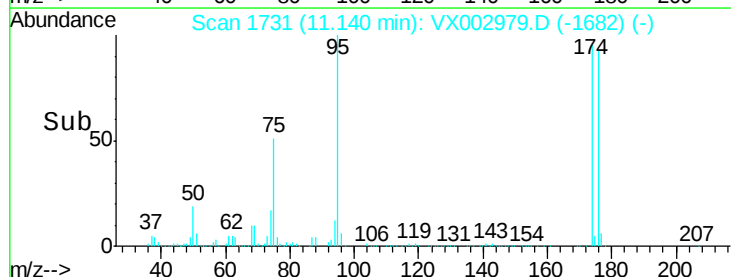
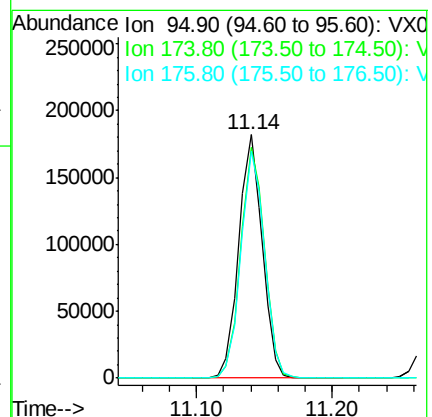
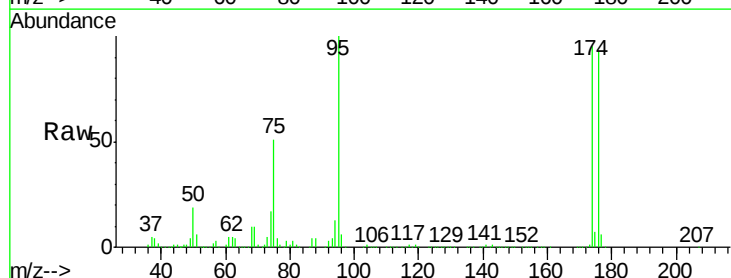
Tgt Ion: 95 Resp: 218267

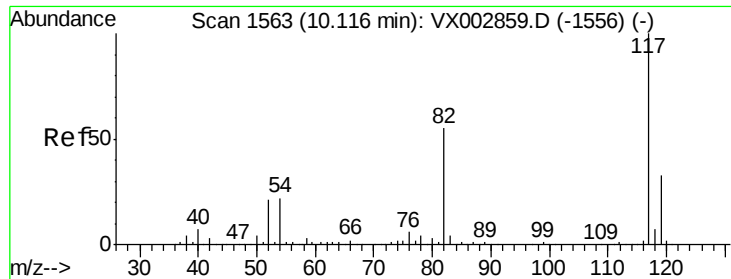
Ion Ratio Lower Upper

95 100

174 96.5 0.0 187.4

176 94.2 0.0 181.0





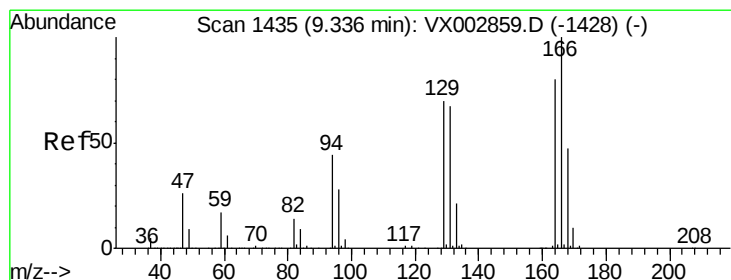
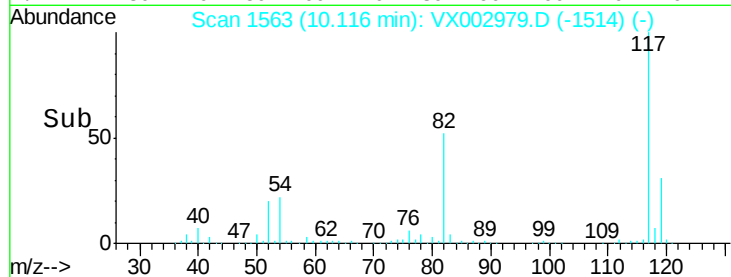
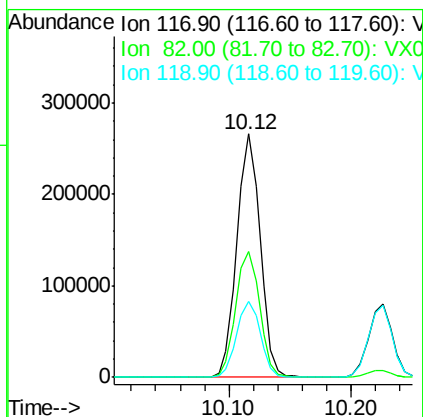
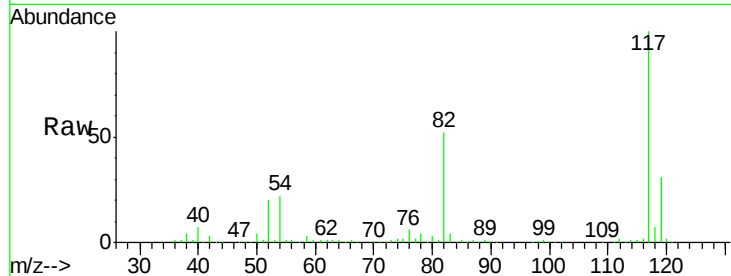
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002979.D
Acq: 28 Jun 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	45.0	67.4
119	31.1	25.8	38.6

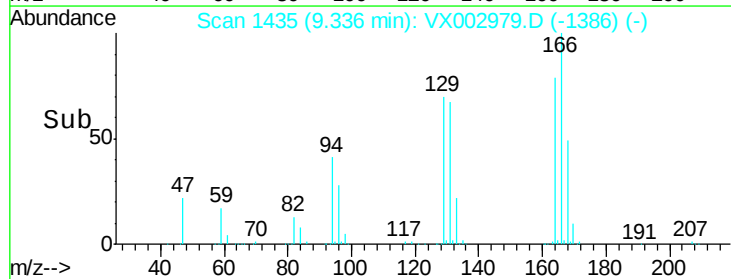
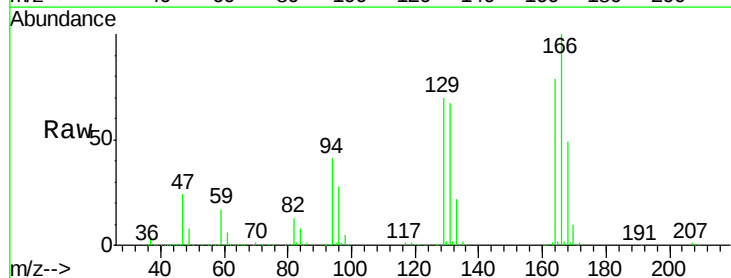
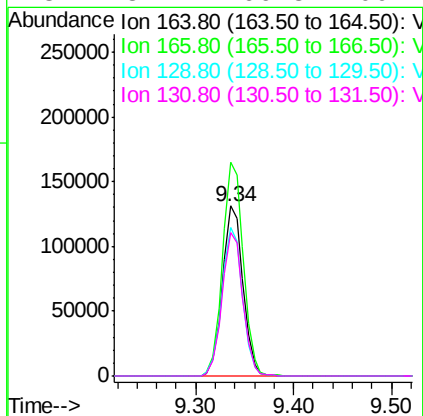
Manual Integrations
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#64
Tetrachloroethene
Concen: 48.99 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX002979.D
Acq: 28 Jun 2018 12:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	102.9	154.3
129	87.9	68.6	102.8
131	84.7	66.8	100.2





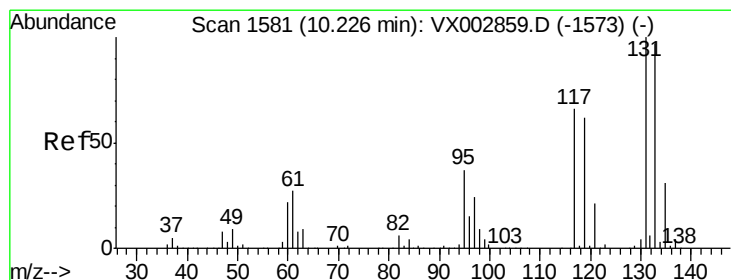
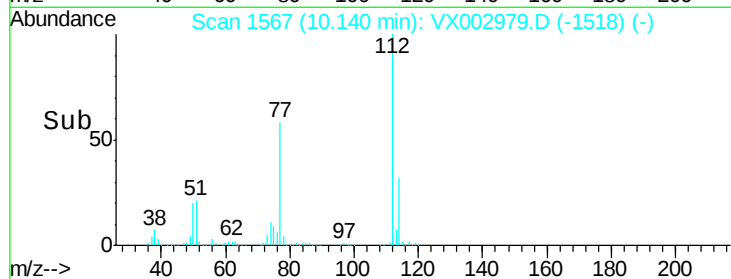
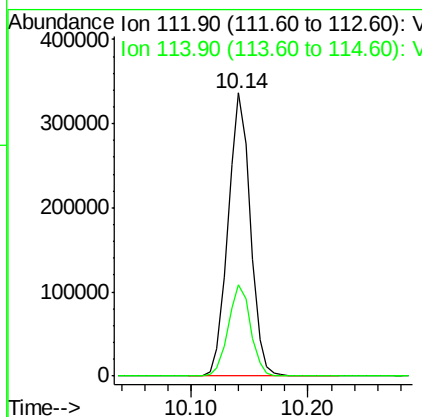
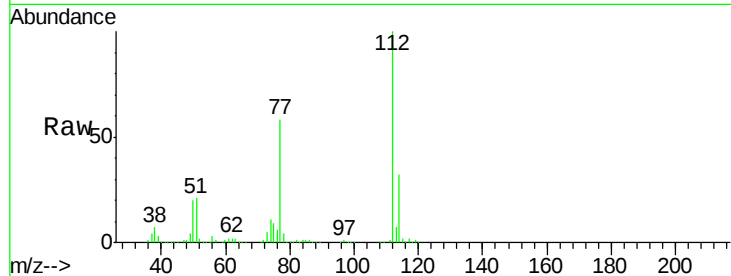
#65
Chlorobenzene
Concen: 50.25 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002979.D
Acq: 28 Jun 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.3	37.9

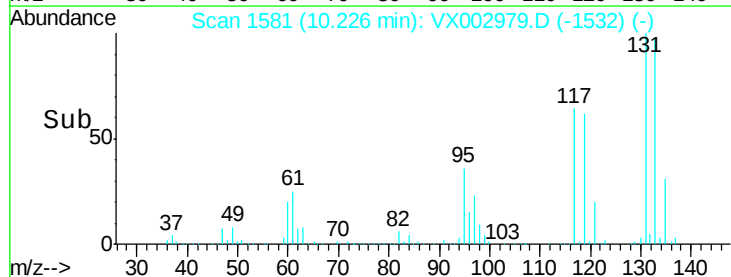
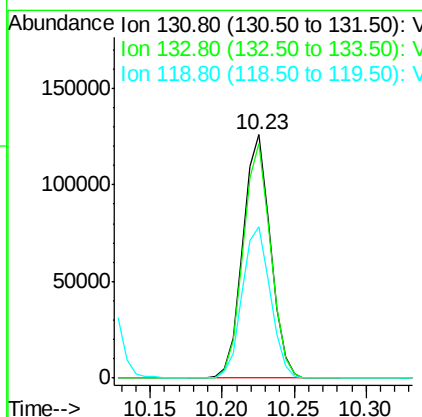
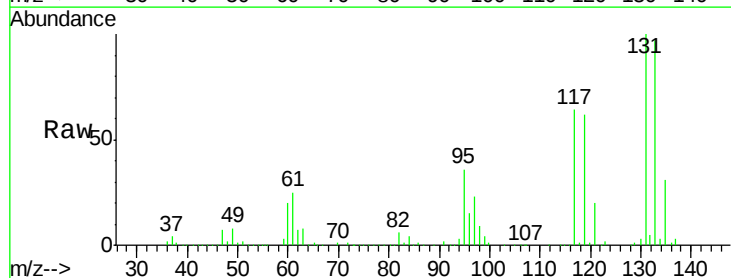
Manual Integrations
APPROVED

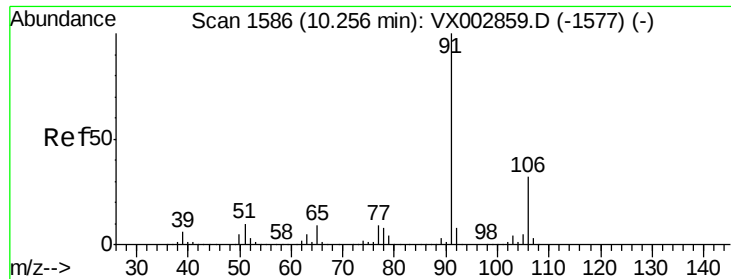
MMDadoda
6/29/2018 12:22:44 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.58 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002979.D
Acq: 28 Jun 2018 12:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.9	143.6
119	63.5	31.8	95.3





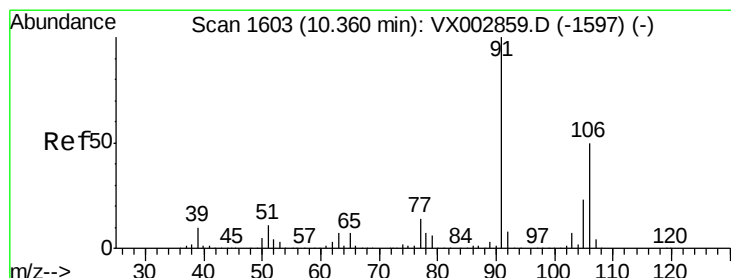
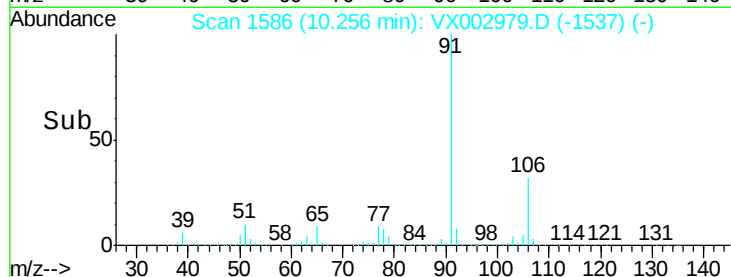
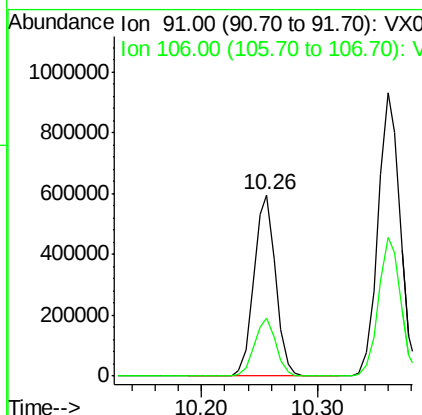
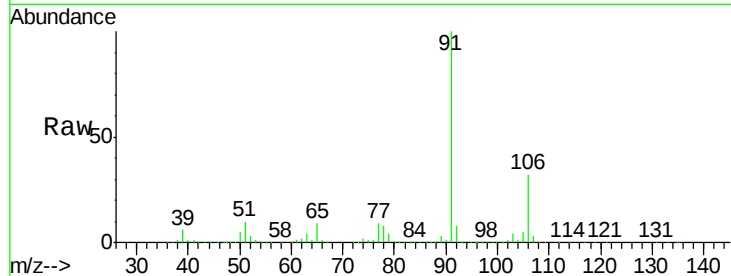
#67
Ethyl Benzene
Concen: 52.59 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002979.D
Acq: 28 Jun 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 772988
Ion Ratio Lower Upper
91 100
106 32.0 25.5 38.3

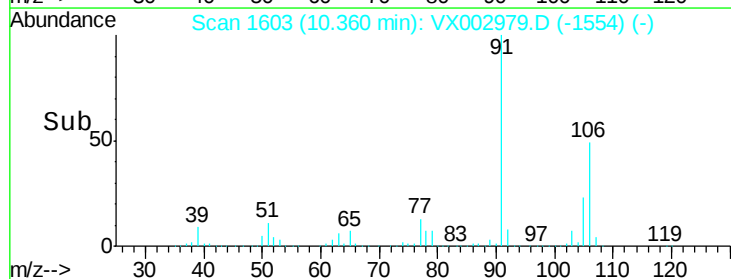
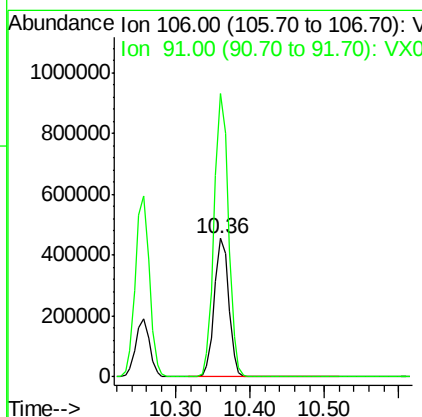
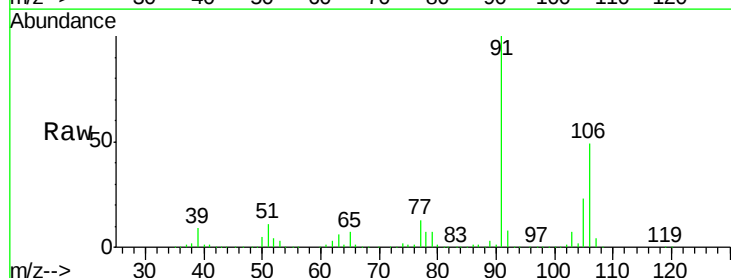
Manual Integrations
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#68
m/p-Xylenes
Concen: 106.86 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX002979.D
Acq: 28 Jun 2018 12:16

Tgt Ion: 106 Resp: 605358
Ion Ratio Lower Upper
106 100
91 202.8 163.4 245.2





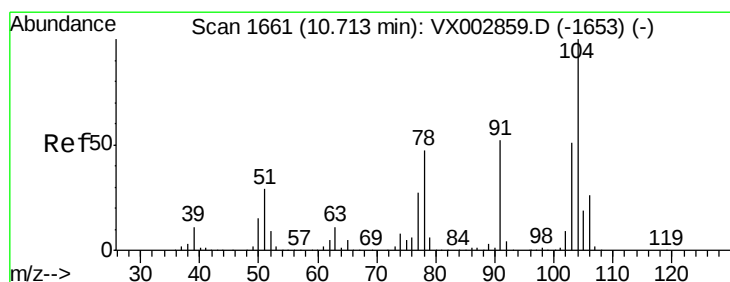
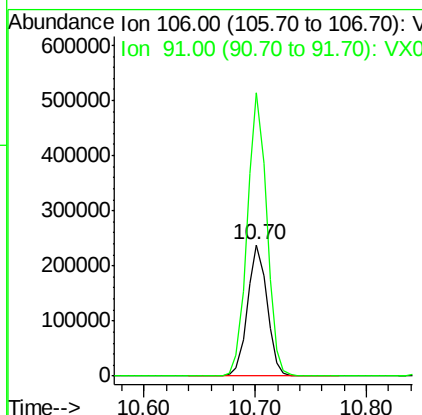
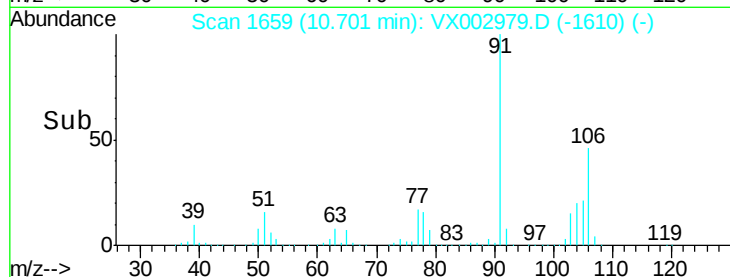
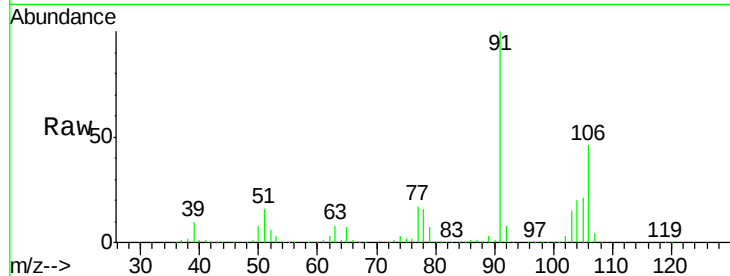
#69
o-Xylene
Concen: 52.42 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002979.D
Acq: 28 Jun 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 289143
Ion Ratio Lower Upper
106 100
91 215.2 108.2 324.6

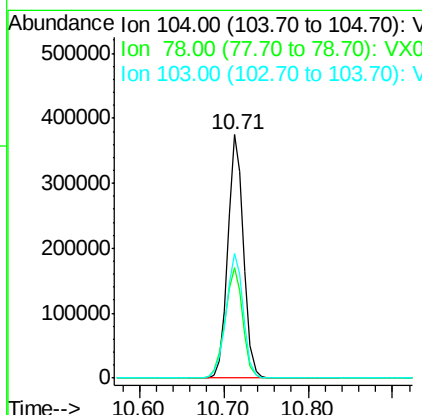
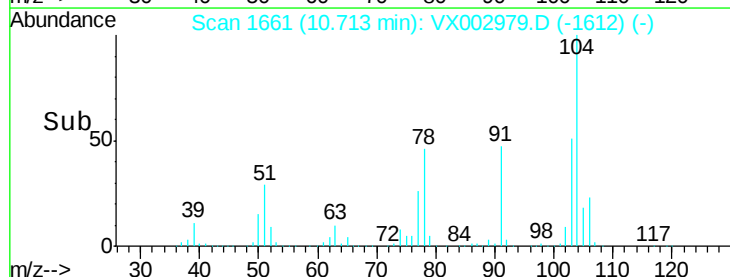
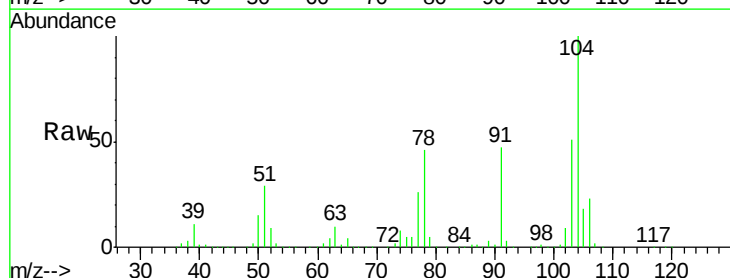
Manual Integrations
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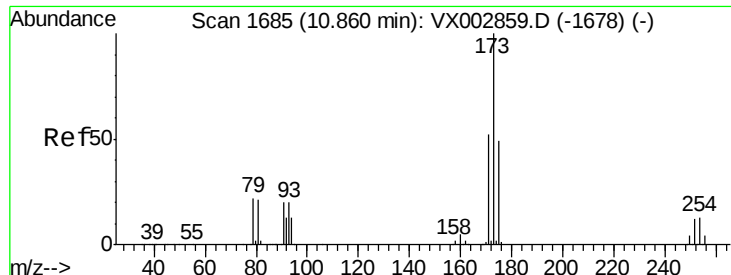
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#70
Styrene
Concen: 53.79 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002979.D
Acq: 28 Jun 2018 12:16

Tgt Ion:104 Resp: 482135
Ion Ratio Lower Upper
104 100
78 51.0 41.0 61.6
103 56.0 44.2 66.4





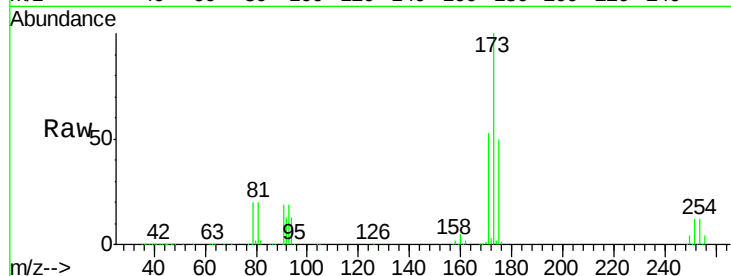
#71
Bromoform
Concen: 47.35 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002979.D
Acq: 28 Jun 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

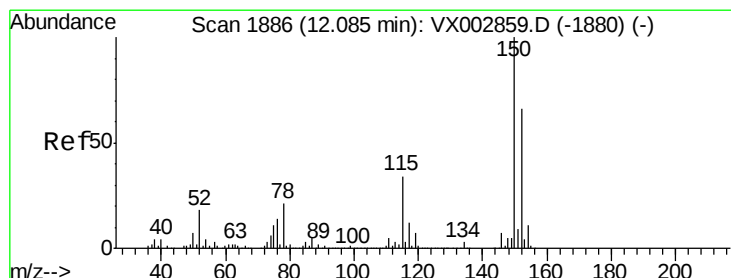
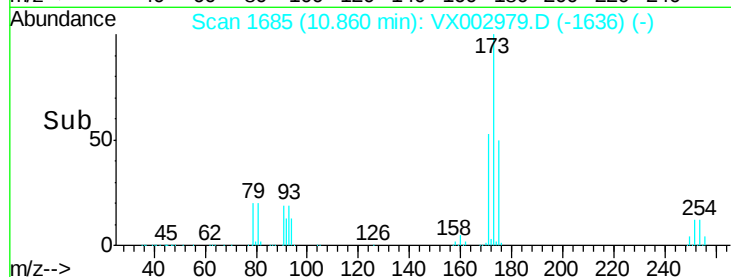
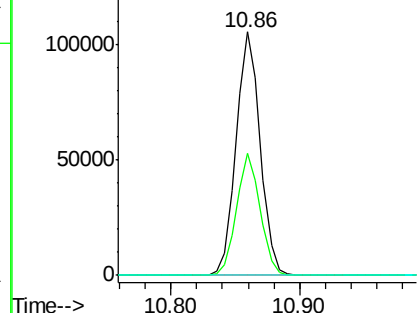
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.7	74.1
254	0.2	0.2	0.2

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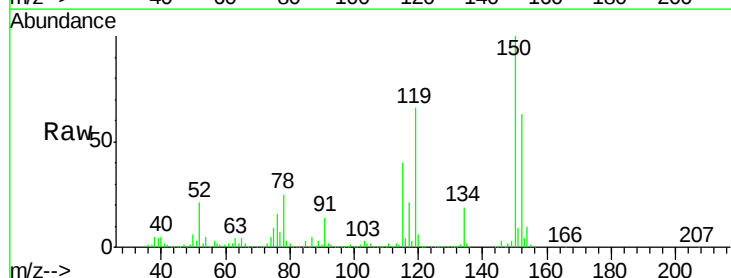


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

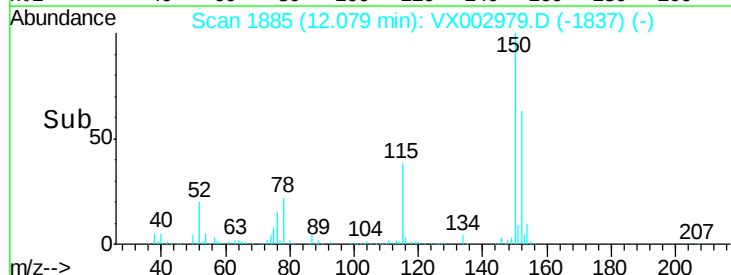
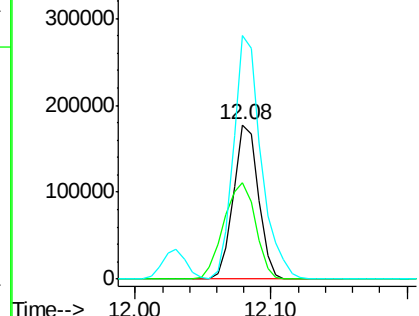


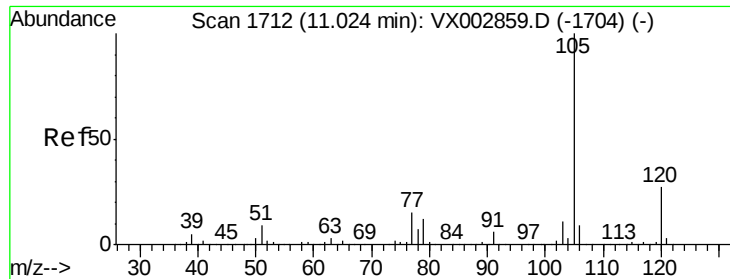
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002979.D
Acq: 28 Jun 2018 12:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	80.0	40.1	120.2
150	174.5	0.0	347.2



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





#73

Isopropylbenzene

Concen: 52.55 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 799084

Ion Ratio Lower Upper

105 100

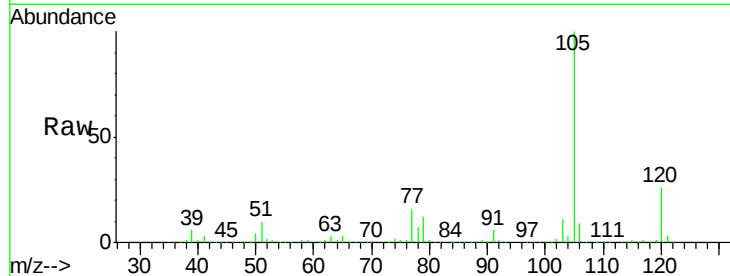
120 26.8 13.5 40.4

Manual Integrations

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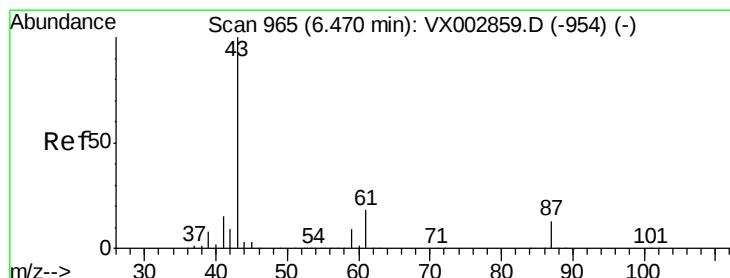
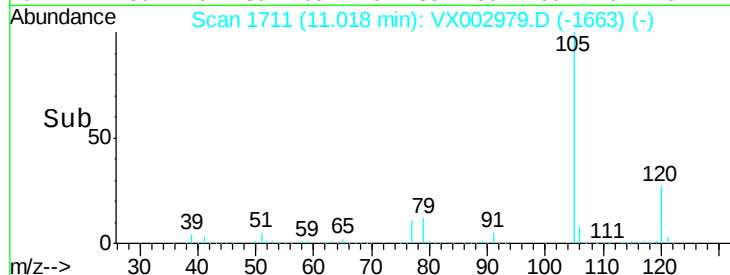
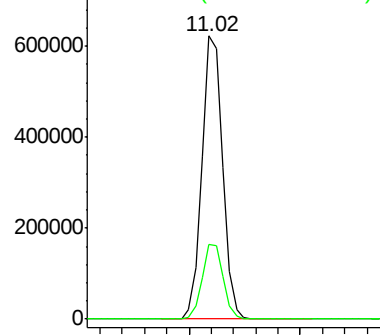
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.63 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Tgt Ion: 43 Resp: 361808

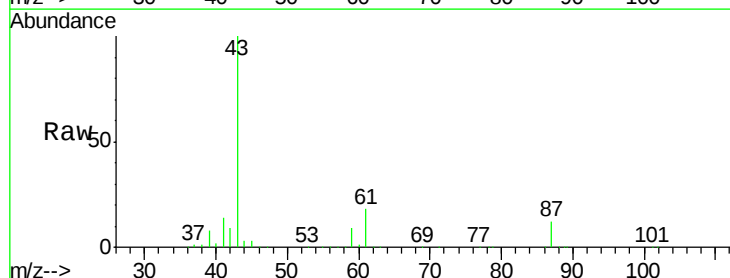
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 18.4 14.4 21.6

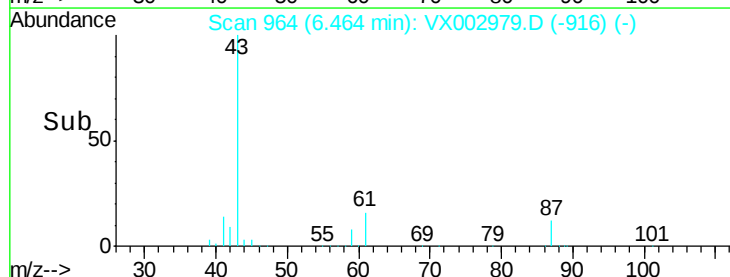
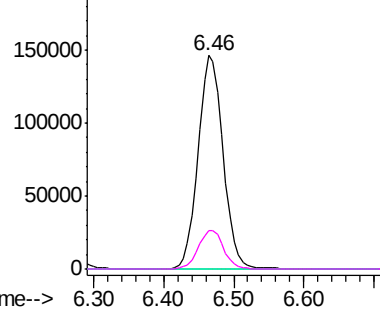


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.92 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 238535
Ion Ratio Lower Upper

83 100

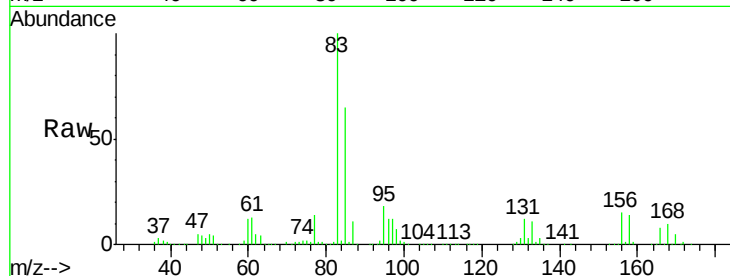
131 11.4 5.6 16.8

85 64.2 32.4 97.2

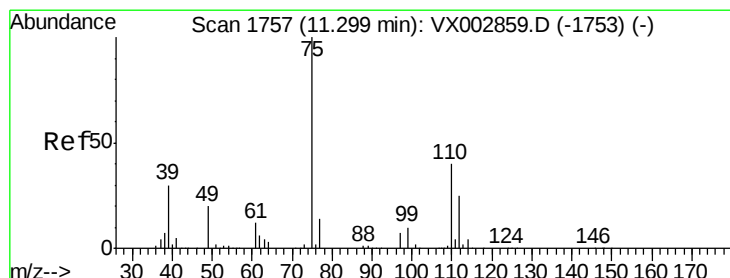
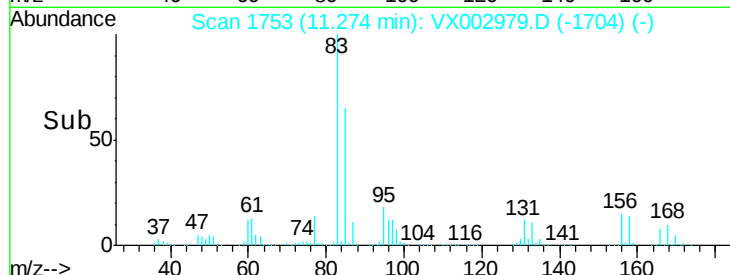
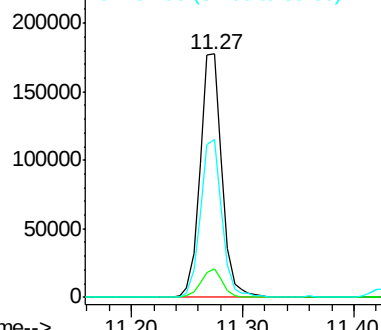
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 57.53 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

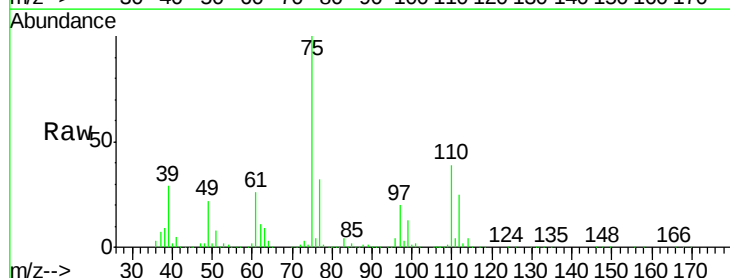
Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

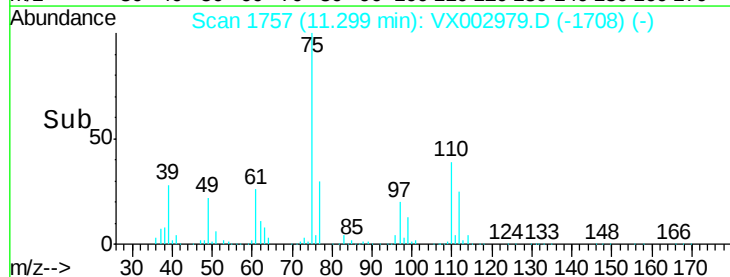
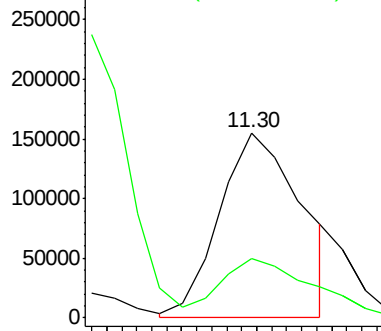
Tgt Ion: 75 Resp: 235544
Ion Ratio Lower Upper

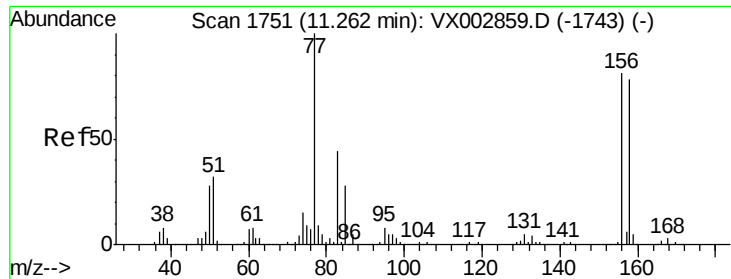
75 100

77 36.6 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: 50.24 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Instrument :

MSVOA_X

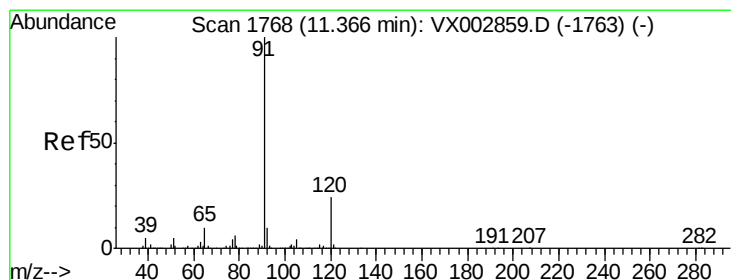
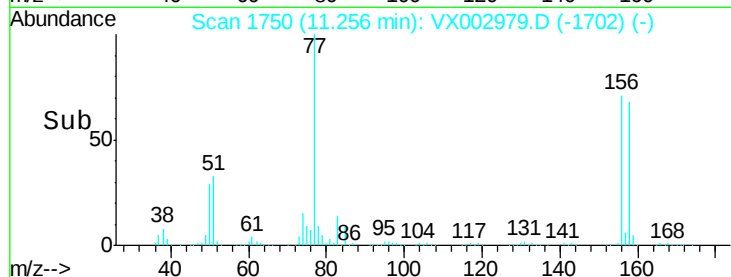
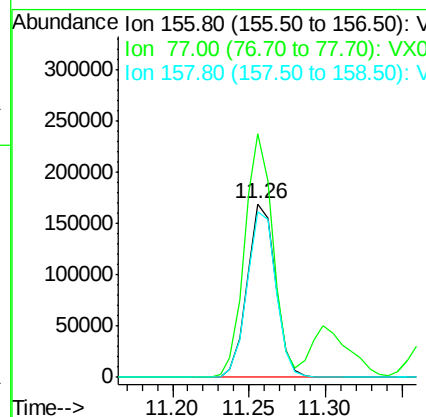
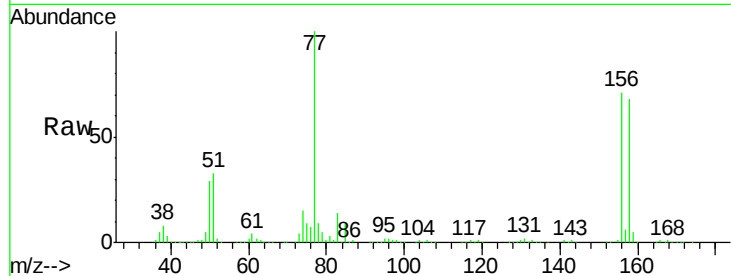
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	217576
Ion Ratio	Lower	Upper	
156	100		
77	139.0	71.4	214.2
158	97.4	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 53.48 ug/l

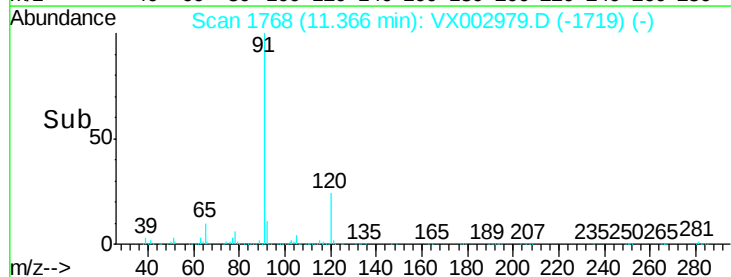
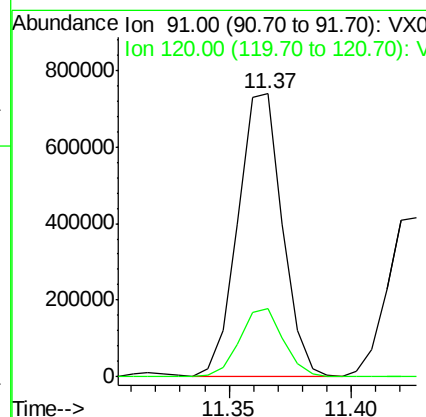
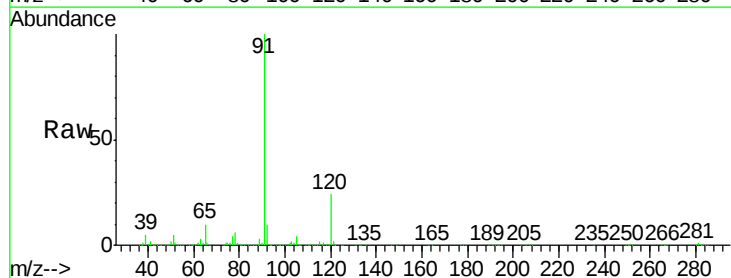
RT: 11.37 min Scan# 1768

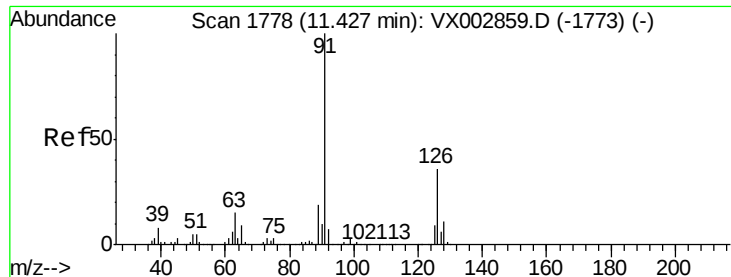
Delta R.T. -0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Tgt Ion:	91	Resp:	925681
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.8	35.4





#79

2-Chlorotoluene

Concen: 51.15 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 535962

Ion Ratio Lower Upper

91 100

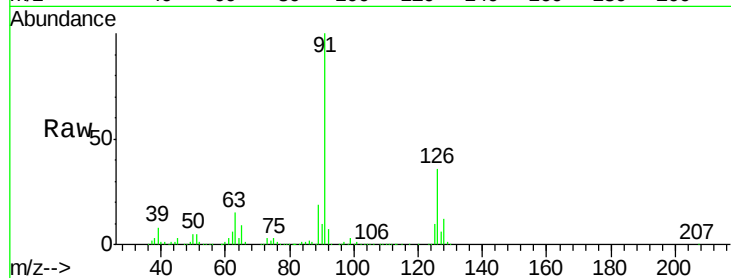
126 35.6 17.7 53.1

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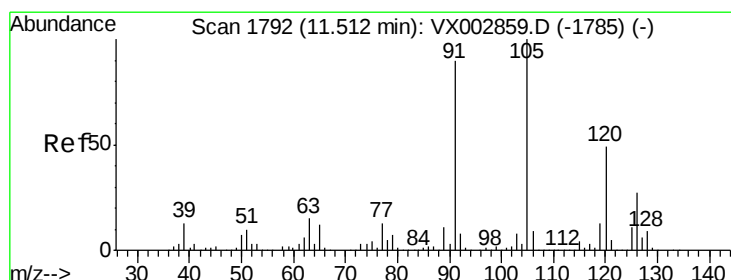
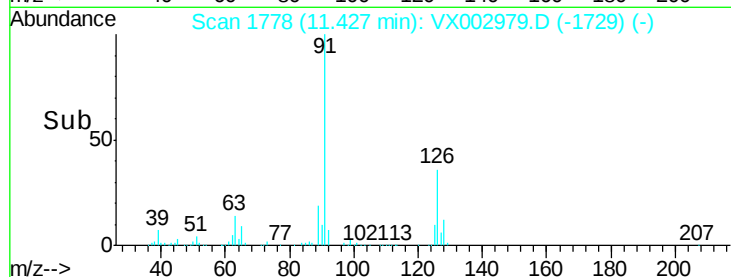
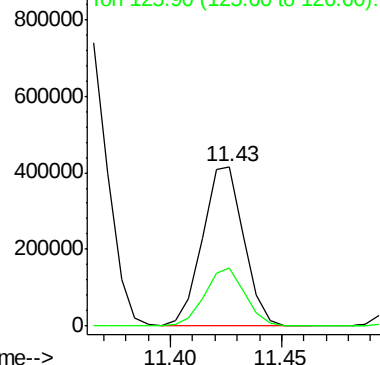
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 53.30 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX002979.D

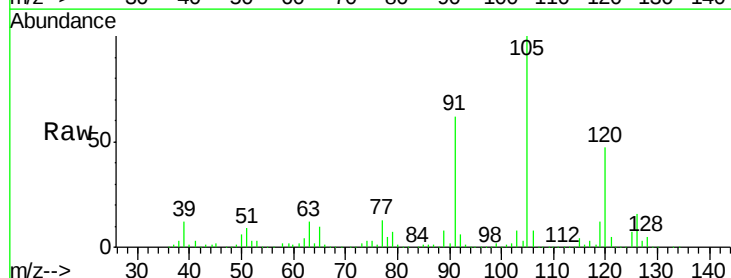
Acq: 28 Jun 2018 12:16

Tgt Ion: 105 Resp: 682649

Ion Ratio Lower Upper

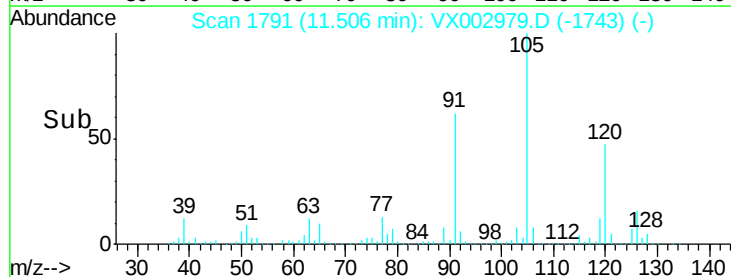
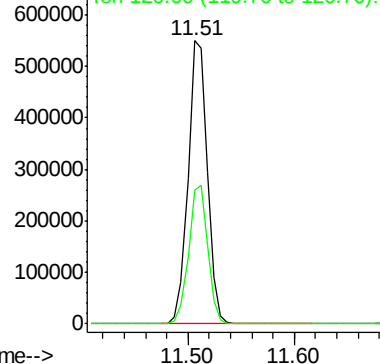
105 100

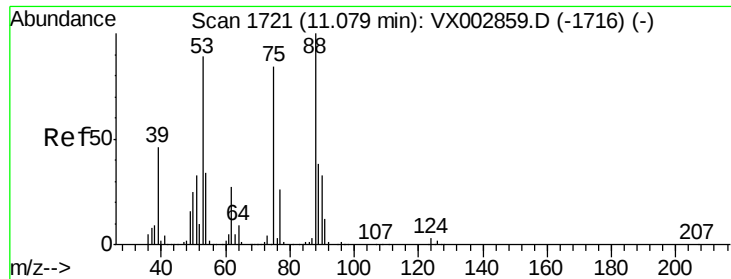
120 48.9 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 45.91 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 64365

Ion Ratio Lower Upper

75 100

53 107.4 86.8 130.2

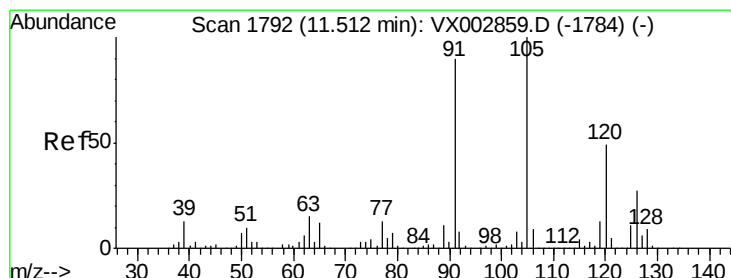
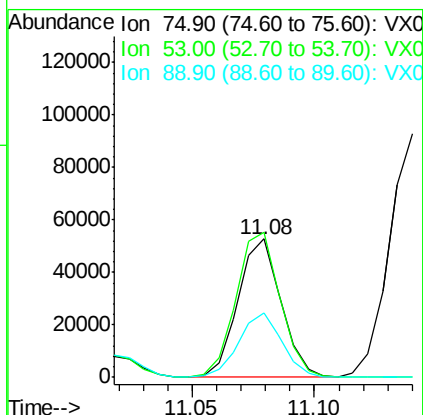
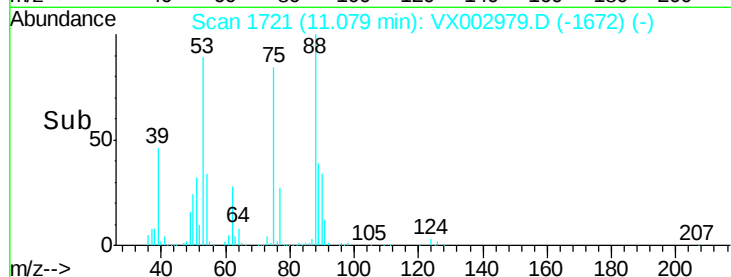
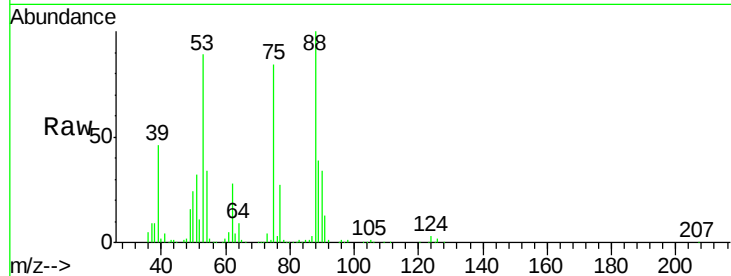
89 47.1 38.2 57.2

Manual Integrations

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#82

4-Chlorotoluene

Concen: 51.66 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002979.D

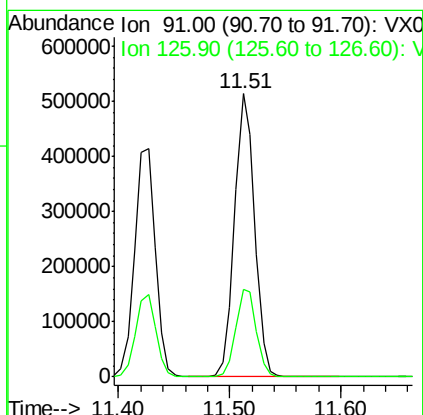
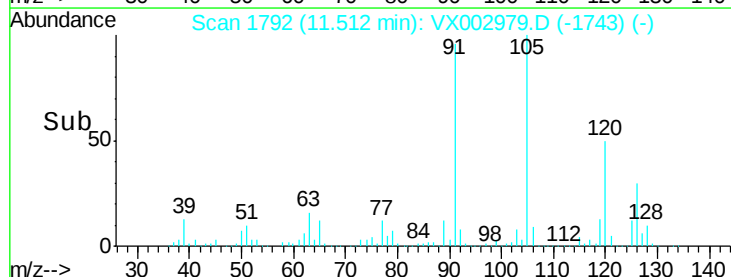
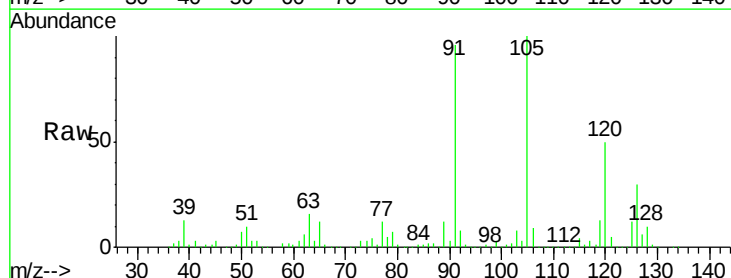
Acq: 28 Jun 2018 12:16

Tgt Ion: 91 Resp: 640861

Ion Ratio Lower Upper

91 100

126 31.6 15.4 46.4





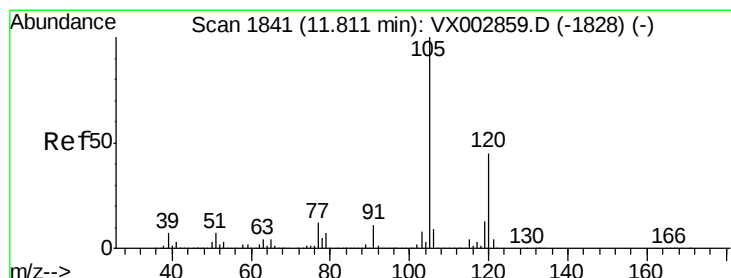
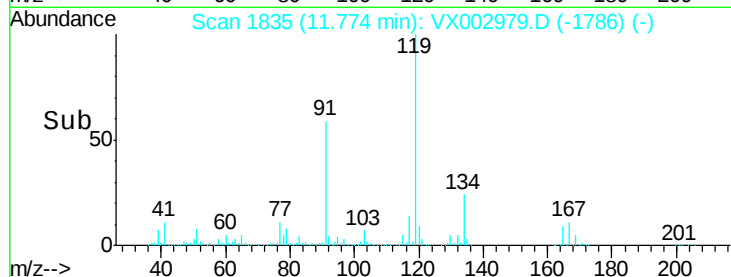
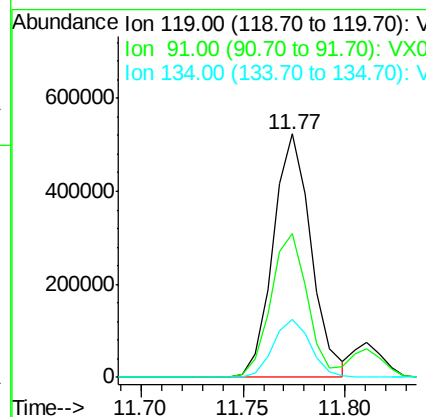
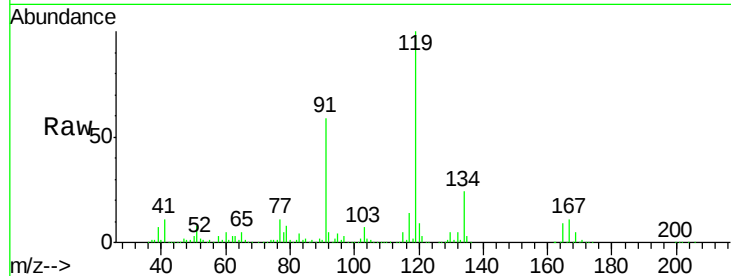
#83
 tert-Butylbenzene
 Concen: 53.88 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002979.D
 Acq: 28 Jun 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.3	30.3	90.9
134	23.3	11.7	35.1

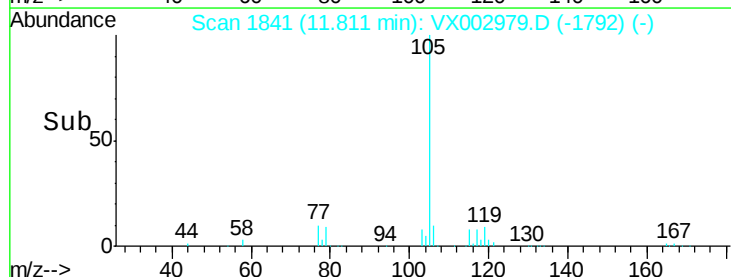
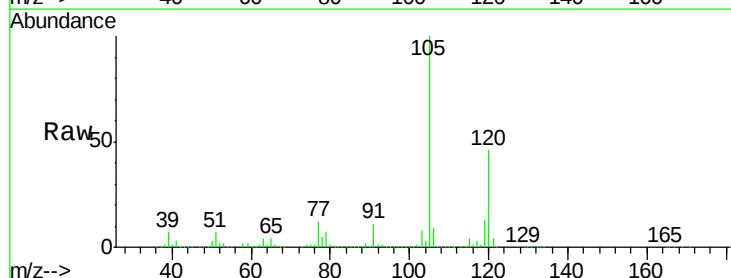
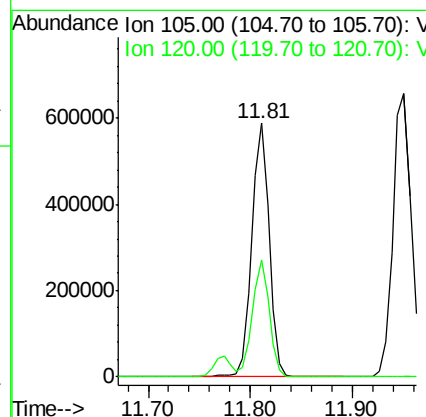
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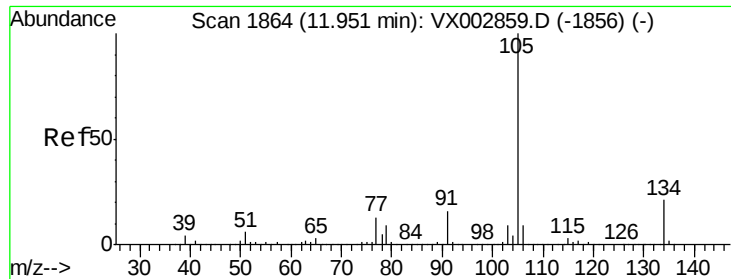
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.53 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002979.D
 Acq: 28 Jun 2018 12:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.3	66.8





#85

sec-Butylbenzene

Concen: 53.59 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 820598

Ion Ratio Lower Upper

105 100

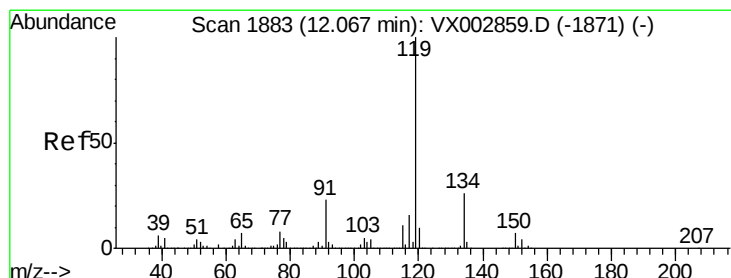
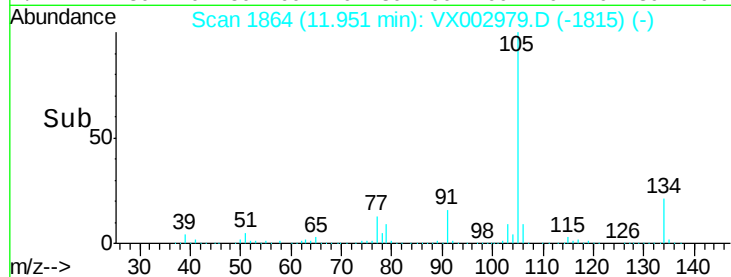
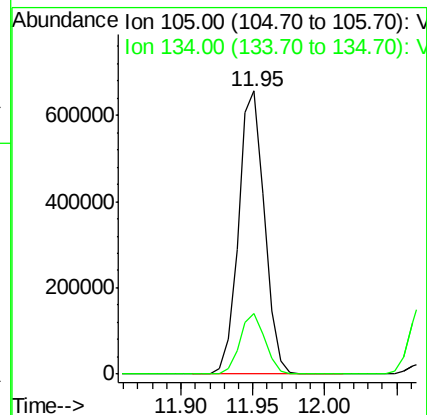
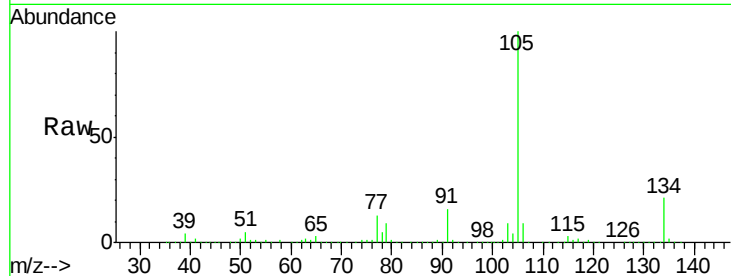
134 20.9 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 54.57 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

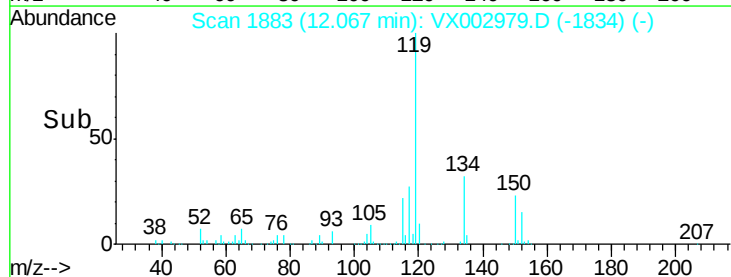
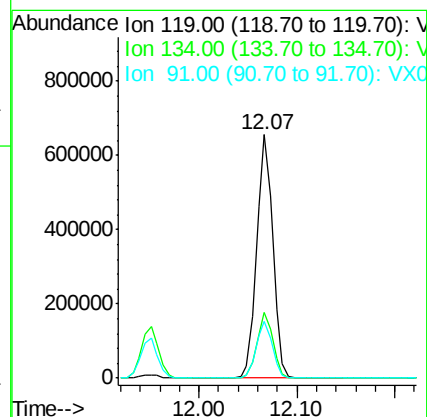
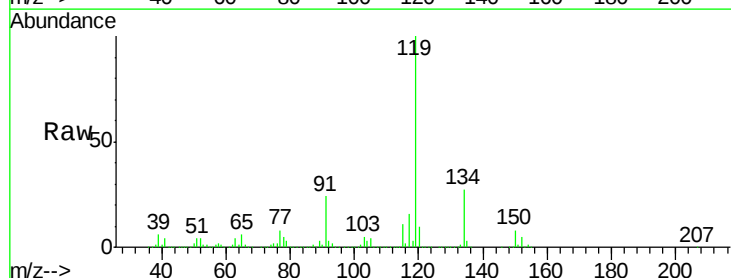
Tgt Ion:119 Resp: 751297

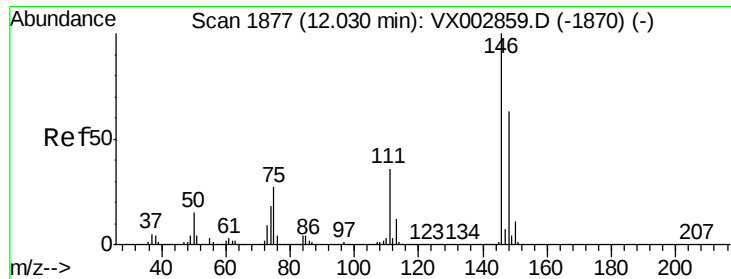
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 23.4 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 51.10 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Instrument :

MSVOA_X

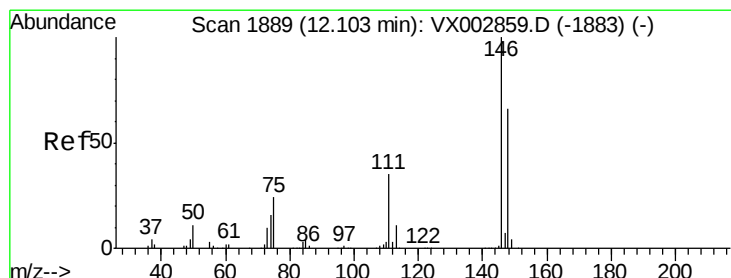
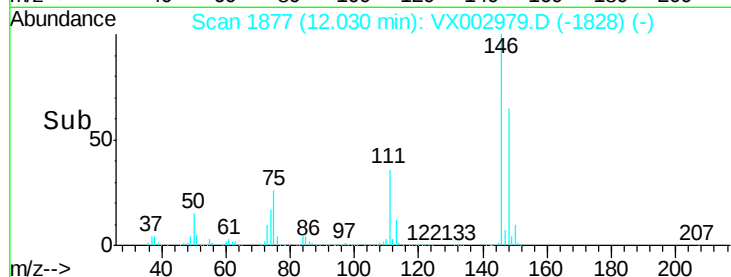
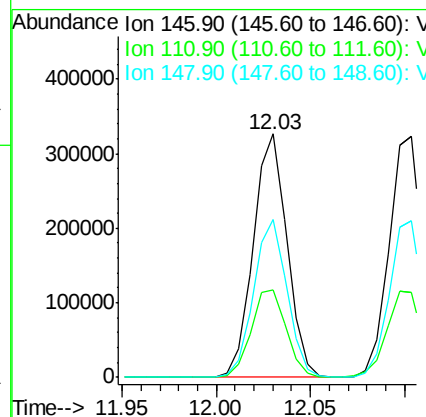
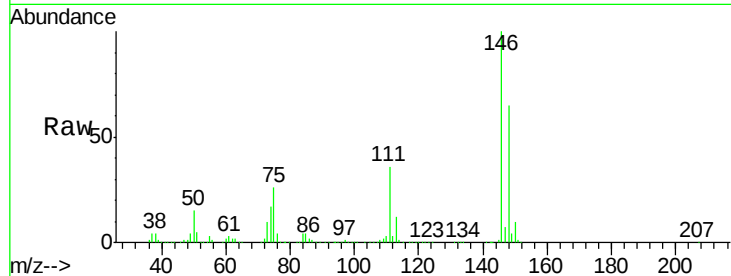
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	404107
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.9	56.7
148	64.1	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 50.20 ug/l

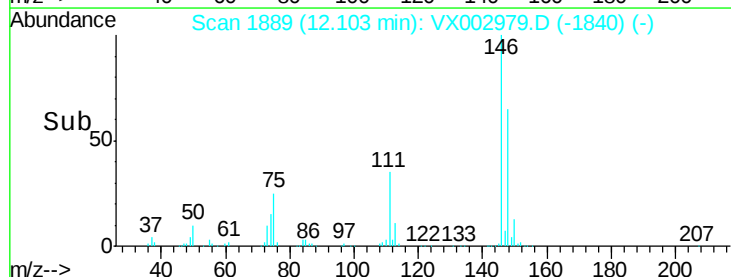
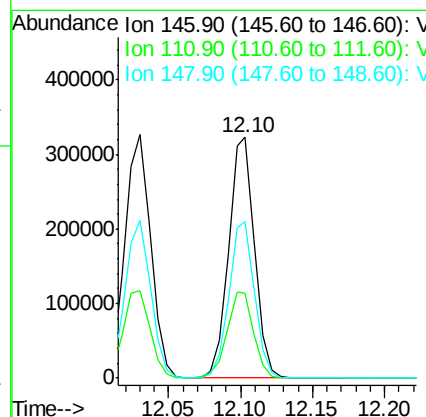
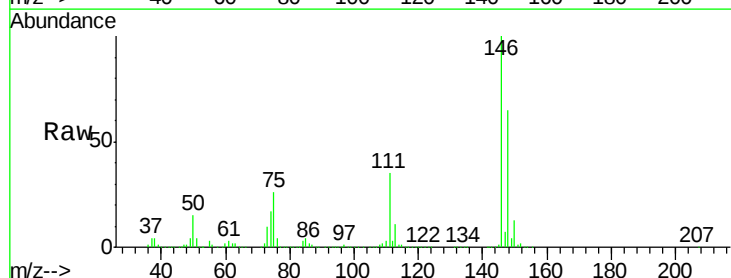
RT: 12.10 min Scan# 1889

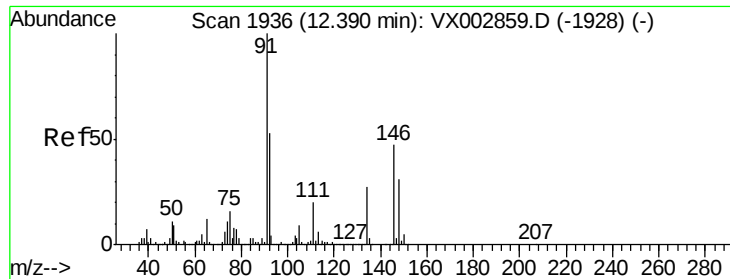
Delta R.T. -0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Tgt Ion:	146	Resp:	408598
Ion Ratio	Lower	Upper	
146	100		
111	36.9	18.7	56.1
148	64.6	32.4	97.0





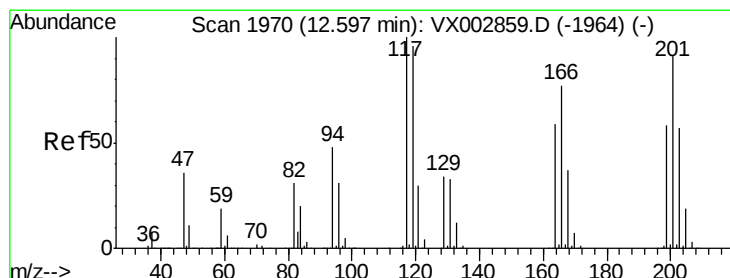
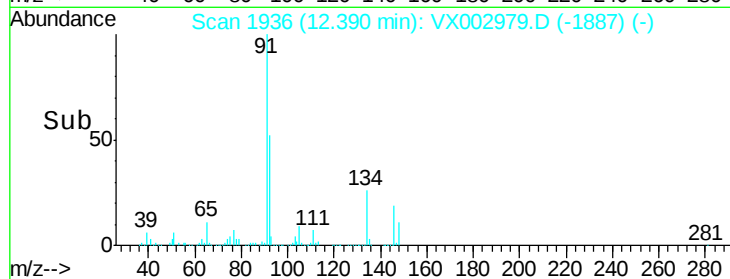
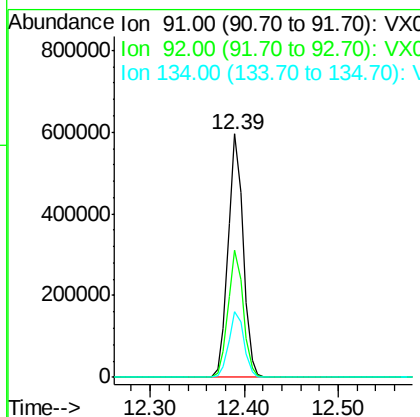
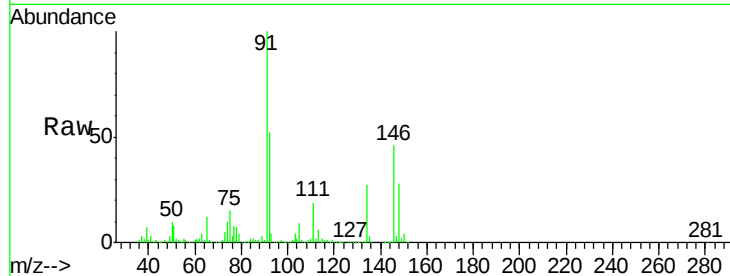
#89
n-Butylbenzene
Concen: 54.94 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002979.D
Acq: 28 Jun 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.0	78.0
134	27.3	13.5	40.5

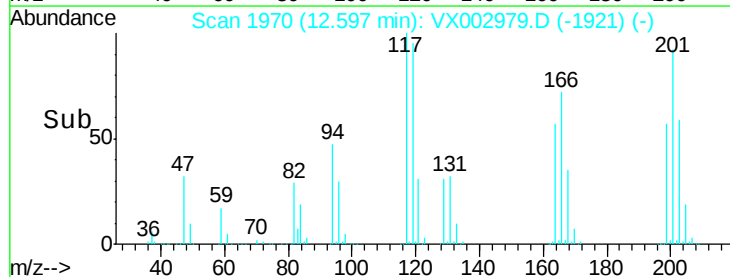
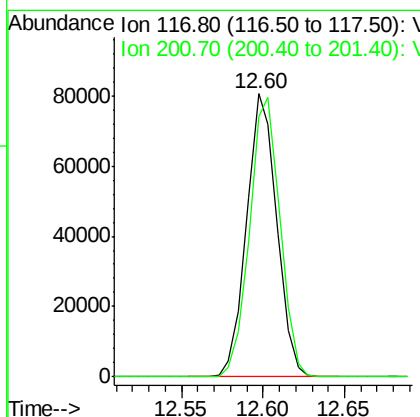
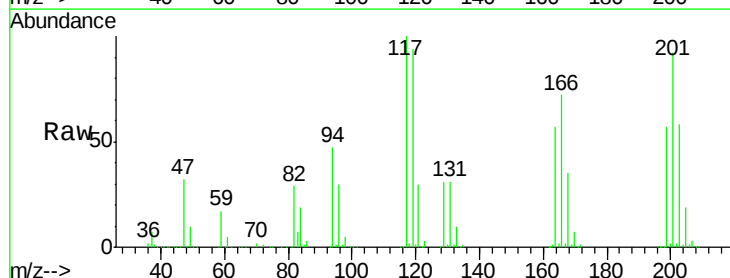
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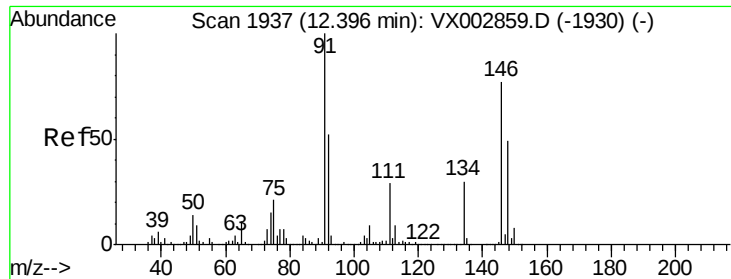
MMDadoda
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#90
Hexachloroethane
Concen: 50.77 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX002979.D
Acq: 28 Jun 2018 12:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.6	49.0	147.0





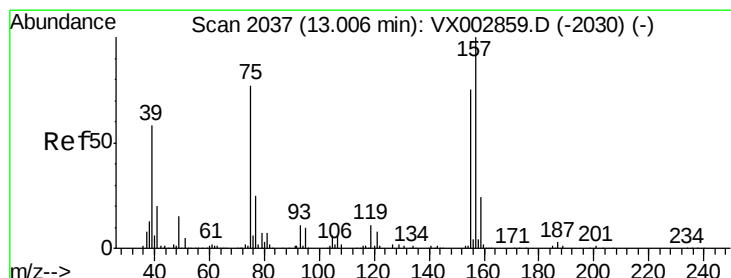
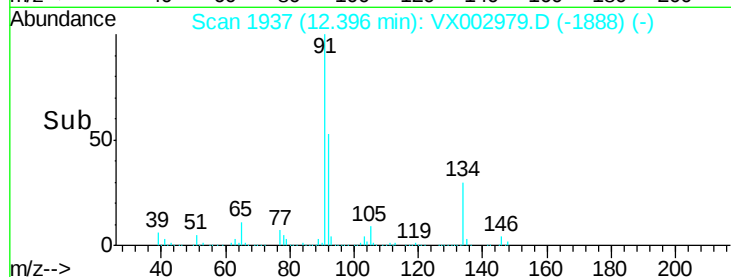
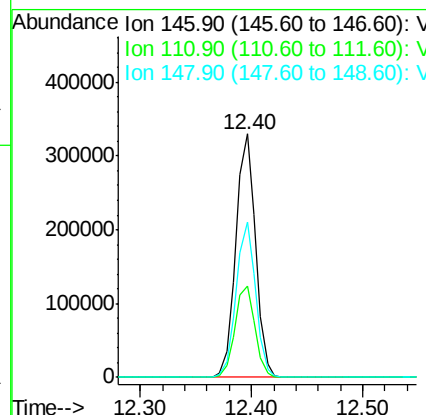
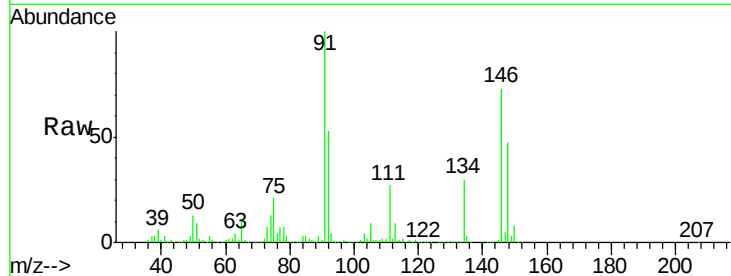
#91
 1,2-Dichlorobenzene
 Concen: 50.45 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002979.D
 Acq: 28 Jun 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.4	58.1
148	63.2	31.7	95.1

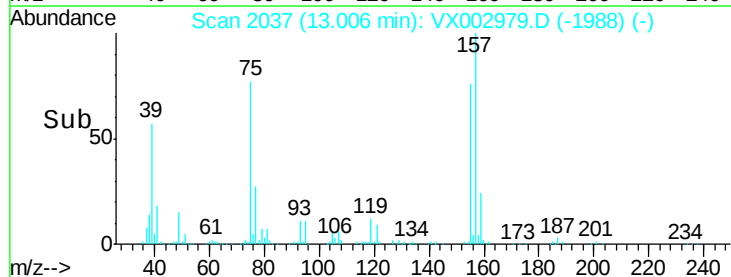
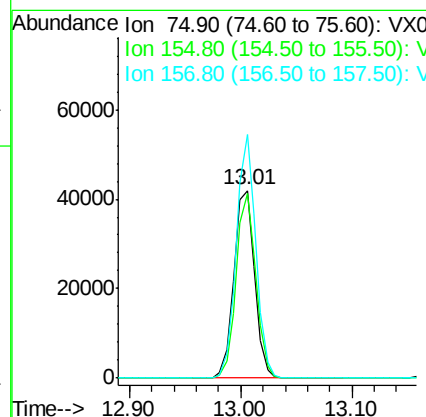
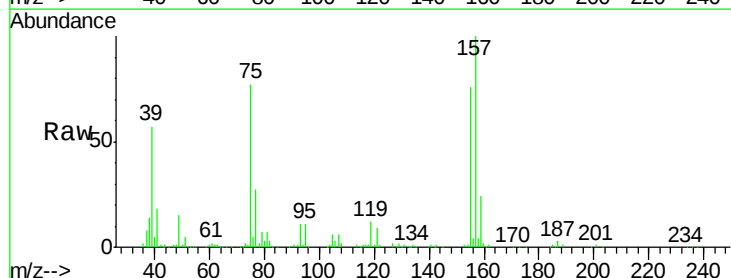
Manual Integrations
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 6/29/2018 12:22:44 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.23 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002979.D
 Acq: 28 Jun 2018 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.3	45.8	137.4
157	121.5	60.1	180.3





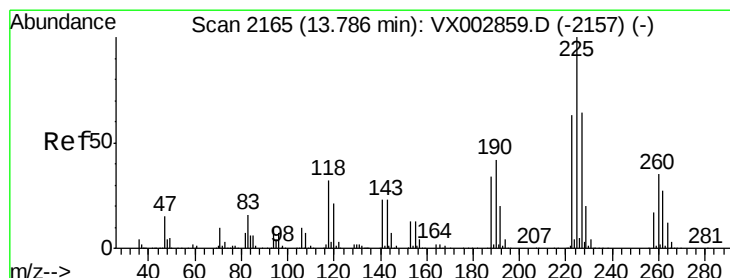
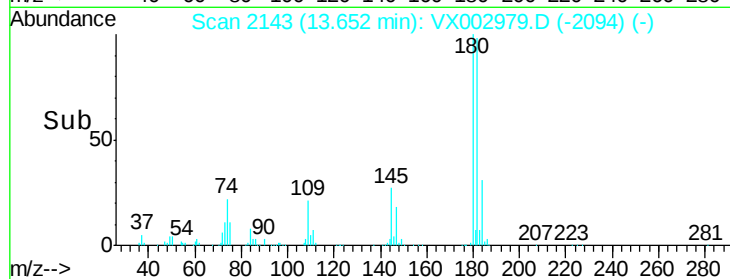
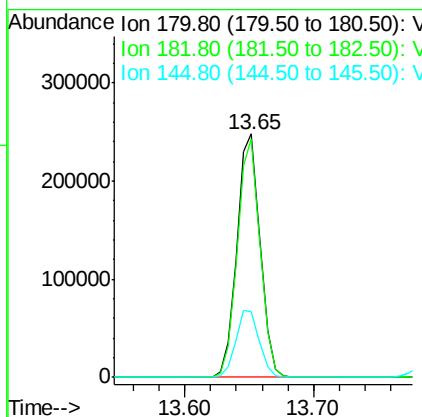
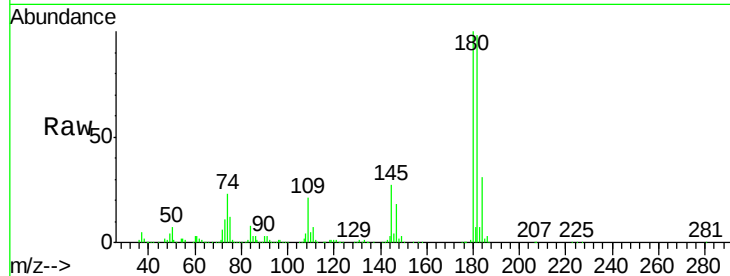
#93
 1,2,4-Trichlorobenzene
 Concen: 53.37 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002979.D
 Acq: 28 Jun 2018 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	310030		
182	95.9	47.7	143.1	
145	28.1	14.1	42.4	

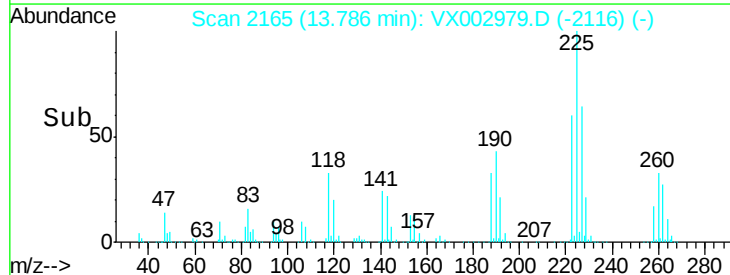
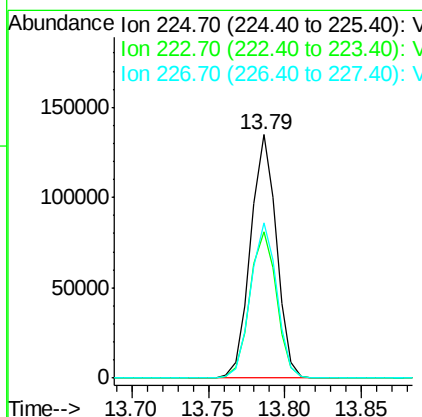
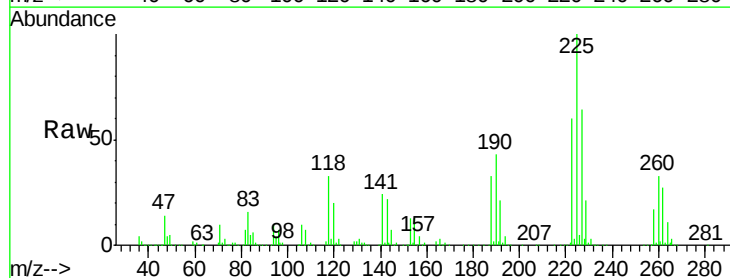
Manual Integrations
 APPROVED

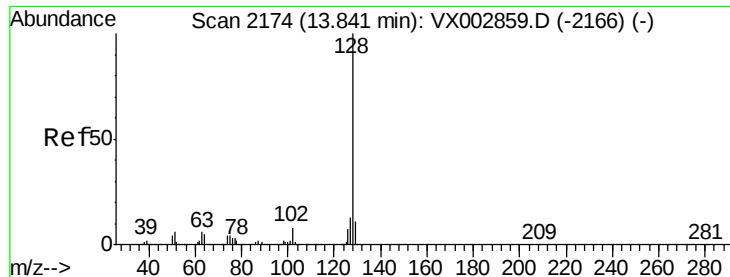
MMDadoda
 6/29/2018 12:22:44 PM



#94
 Hexachlorobutadiene
 Concen: 54.75 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002979.D
 Acq: 28 Jun 2018 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	158652		
223	61.9	31.6	95.0	
227	64.3	32.4	97.2	





#95

Naphthalene

Concen: 53.62 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Instrument :

MSVOA_X

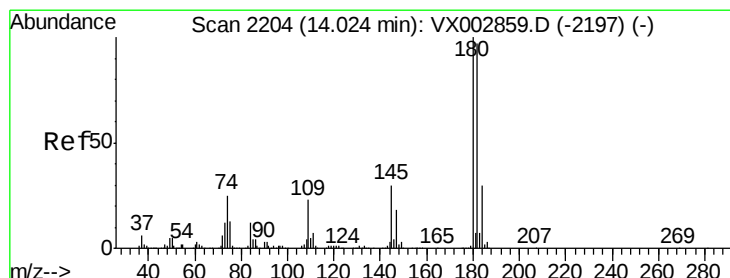
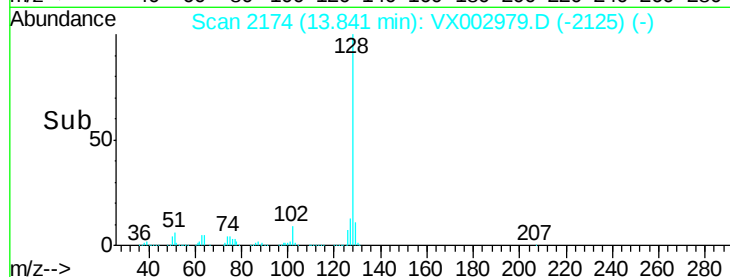
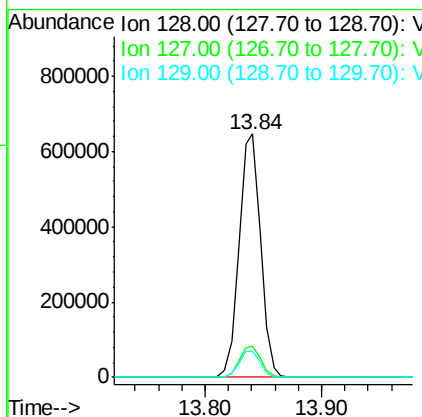
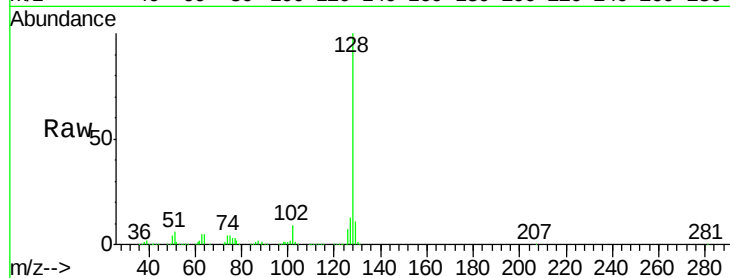
ClientSampled :

VSTDCCC050

Tot Ion:	128	Resp:	829625
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/29/2018 12:22:44 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.76 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002979.D

Acq: 28 Jun 2018 12:16

Tgt Ion:	180	Resp:	306174
Ion Ratio	Lower	Upper	
180	100		
182	96.8	48.0	144.0
145	29.6	14.8	44.3

