

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081018\
 Data File : VX003965.D
 Acq On : 10 Aug 2018 09:41
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/13/2018 11:01:55 AM

Quant Time: Aug 11 02:00:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	286204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	430341	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	413233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	242953	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	201360	53.07	ug/l	0.00
Spiked Amount						
			Recovery	=	106.14%	
35) Dibromofluoromethane	5.50	113	165288	50.70	ug/l	0.00
Spiked Amount						
			Recovery	=	101.40%	
50) Toluene-d8	8.71	98	627614	49.50	ug/l	0.00
Spiked Amount						
			Recovery	=	99.00%	
62) 4-Bromofluorobenzene	11.14	95	227181	55.38	ug/l	0.00
Spiked Amount						
			Recovery	=	110.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	123064	42.43	ug/l	99
3) Chloromethane	1.32	50	161158	40.84	ug/l	100
4) Vinyl Chloride	1.40	62	170488	43.32	ug/l	100
5) Bromomethane	1.64	94	86032	40.99	ug/l	99
6) Chloroethane	1.71	64	124854	49.59	ug/l	97
7) Trichlorofluoromethane	1.92	101	229973	44.26	ug/l	98
8) Diethyl Ether	2.19	74	119651	51.23	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	141507	43.57	ug/l	99
10) Methyl Iodide	2.51	142	120209	29.75	ug/l	99
11) Tert butyl alcohol	3.07	59	207822	227.96	ug/l	100
12) 1,1-Dichloroethene	2.37	96	138436	45.07	ug/l	99
13) Acrolein	2.29	56	178410	384.36	ug/l	100
14) Allyl chloride	2.73	41	289066	48.82	ug/l	98
15) Acrylonitrile	3.15	53	525849	241.73	ug/l	99
16) Acetone	2.45	43	589667	261.25	ug/l	99
17) Carbon Disulfide	2.57	76	380962	43.81	ug/l	99
18) Methyl Acetate	2.78	43	255895	52.07	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	575742	52.89	ug/l	98
20) Methylene Chloride	2.86	84	183301	51.59	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	162250	46.52	ug/l	97
22) Diisopropyl ether	3.87	45	590633	54.26	ug/l	98
23) Vinyl Acetate	3.82	43	2527480	279.07	ug/l	99
24) 1,1-Dichloroethane	3.70	63	319269	49.38	ug/l	99
25) 2-Butanone	4.70	43	869916	256.35	ug/l	99
26) 2,2-Dichloropropane	4.58	77	246387	52.84	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	197229	52.12	ug/l	97
28) Bromochloromethane	5.02	49	145913	52.73	ug/l	99
29) Tetrahydrofuran	5.15	42	433458	248.51	ug/l	99
30) Chloroform	5.21	83	318014	52.24	ug/l	98
31) Cyclohexane	5.57	56	237371	43.41	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	252577	49.48	ug/l	99
36) 1,1-Dichloropropene	5.80	75	224693	46.62	ug/l	99
37) Ethyl Acetate	4.85	43	260706	49.17	ug/l	100
38) Carbon Tetrachloride	5.78	117	216742	47.25	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	237030	41.71	ug/l	99
40) Benzene	6.14	78	723392	49.98	ug/l	100
41) Methacrylonitrile	5.06	41	147020	50.35	ug/l	99
42) 1,2-Dichloroethane	6.20	62	257877	52.70	ug/l	100
43) Isopropyl Acetate	6.46	43	412016	51.64	ug/l	99
44) Trichloroethene	7.21	130	192418	48.61	ug/l	92
45) 1,2-Dichloropropane	7.51	63	190917	51.08	ug/l	99
46) Dibromomethane	7.66	93	126666	52.20	ug/l	100
47) Bromodichloromethane	7.90	83	244527	53.50	ug/l	99
48) Methyl methacrylate	7.77	41	215892	53.23	ug/l	99
49) 1,4-Dioxane	7.76	88	94046	984.35	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1718478	259.85	ug/l	100
52) Toluene	8.79	92	465749	50.93	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	282874	54.75	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	305177	54.78	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	198771	53.19	ug/l	99
56) Ethyl methacrylate	9.18	69	299051	55.16	ug/l	99
57) 1,3-Dichloropropane	9.37	76	333939	53.39	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	729936	273.79	ug/l	100
59) 2-Hexanone	9.50	43	1330489	269.14	ug/l	100
60) Dibromochloromethane	9.59	129	200509	57.55	ug/l	100
61) 1,2-Dibromoethane	9.67	107	204862	54.75	ug/l	100
64) Tetrachloroethene	9.34	164	175247	43.11	ug/l	96
65) Chlorobenzene	10.14	112	529186	49.22	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	186785	50.53	ug/l	98
67) Ethyl Benzene	10.25	91	861221	48.93	ug/l	99
68) m/p-Xylenes	10.36	106	668187	97.15	ug/l	96
69) o-Xylene	10.70	106	332278	51.18	ug/l	96
70) Styrene	10.71	104	586971	55.22	ug/l	97
71) Bromoform	10.86	173	150267	48.06	ug/l #	97
73) Isopropylbenzene	11.02	105	824087	45.85	ug/l	99
74) N-amyl acetate	6.46	43	412016	44.08	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	287988	46.75	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	254163m	47.36	ug/l	
77) Bromobenzene	11.26	156	220875	46.07	ug/l	99
78) n-propylbenzene	11.36	91	894777	44.34	ug/l	99
79) 2-Chlorotoluene	11.42	91	559019	45.43	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	664886	45.37	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	85063	43.43	ug/l	98
82) 4-Chlorotoluene	11.51	91	671916	46.61	ug/l	100
83) tert-Butylbenzene	11.77	119	680723	47.22	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	723187	49.08	ug/l	100
85) sec-Butylbenzene	11.94	105	779186	45.80	ug/l	99
86) p-Isopropyltoluene	12.07	119	714231	46.78	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	427352	48.22	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	449470	52.90	ug/l	99
89) n-Butylbenzene	12.39	91	614791	46.21	ug/l	99
90) Hexachloroethane	12.60	117	108818	43.90	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	439856	50.07	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	60941	48.29	ug/l	96

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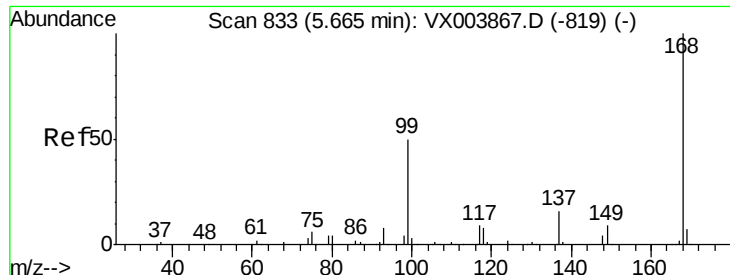
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	295126	46.71	ug/l	96
94) Hexachlorobutadiene	13.79	225	117835	42.34	ug/l	98
95) Naphthalene	13.83	128	973752	53.81	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	328588	52.11	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX003965.D

Acq: 10 Aug 2018 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 286204

Ion Ratio Lower Upper

168 100

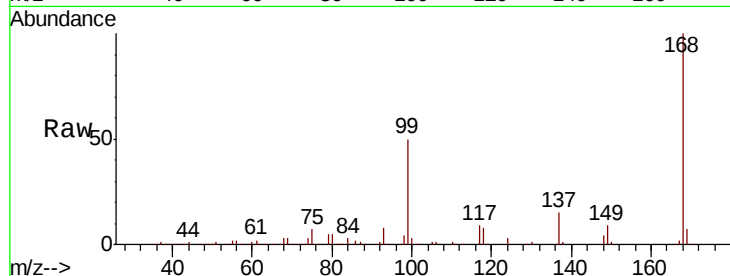
99 50.0 40.1 60.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

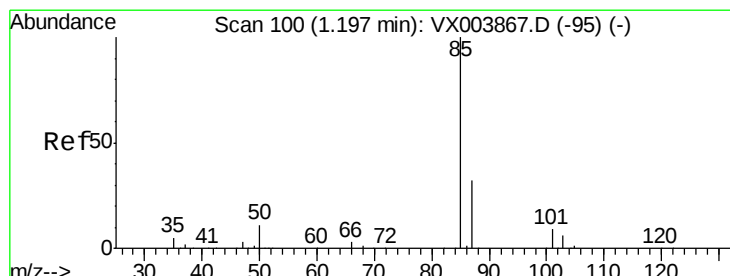
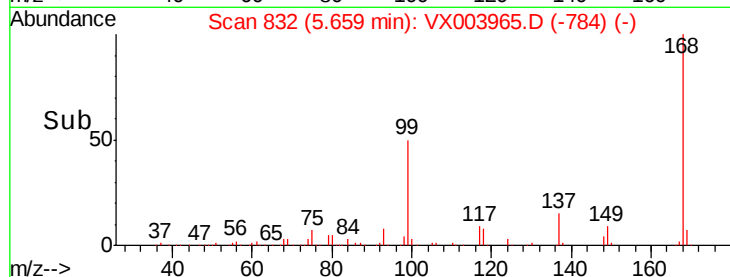
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.43 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003965.D

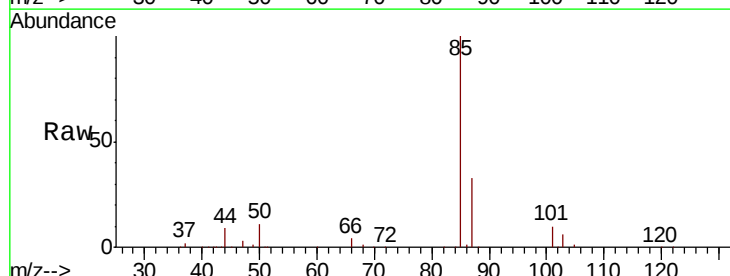
Acq: 10 Aug 2018 09:41

Tgt Ion: 85 Resp: 123064

Ion Ratio Lower Upper

85 100

87 32.6 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

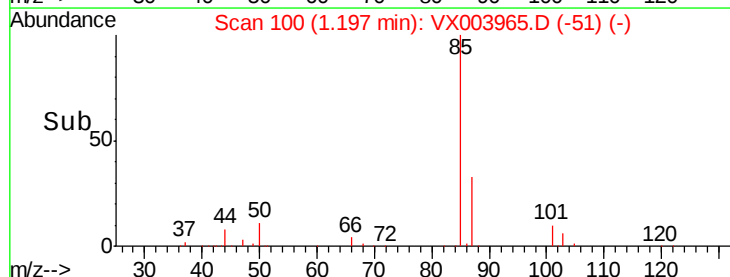
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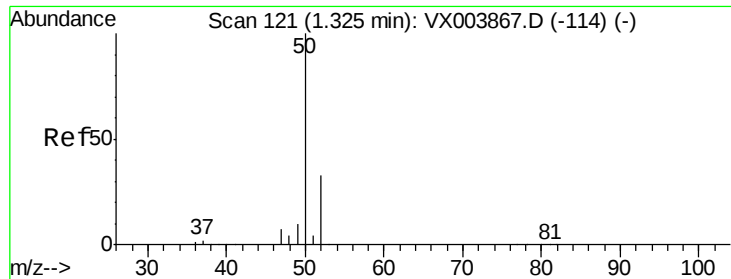
100000

50000

0

Time-->





#3

Chloromethane

Concen: 40.84 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003965.D

Acq: 10 Aug 2018 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 161158

Ion Ratio Lower Upper

50 100

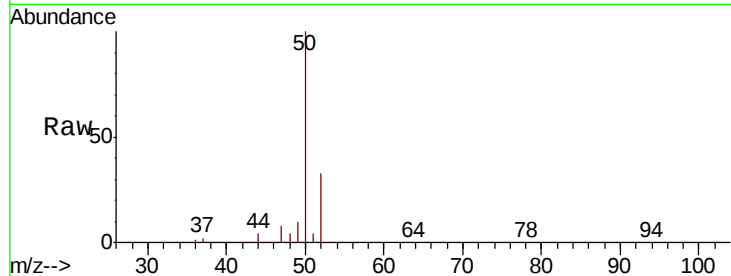
52 33.4 26.6 39.8

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

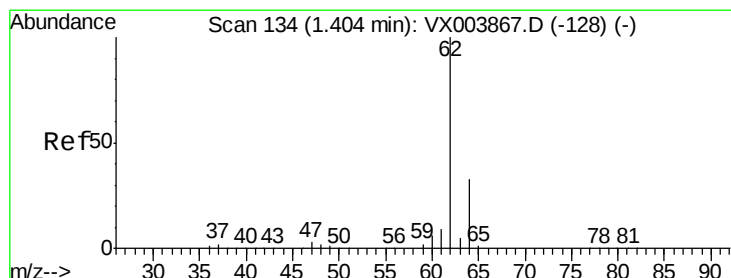
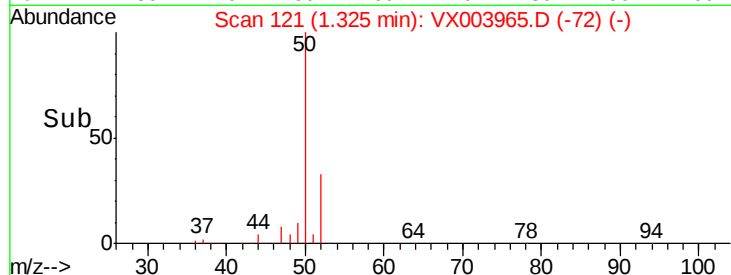
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 43.32 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003965.D

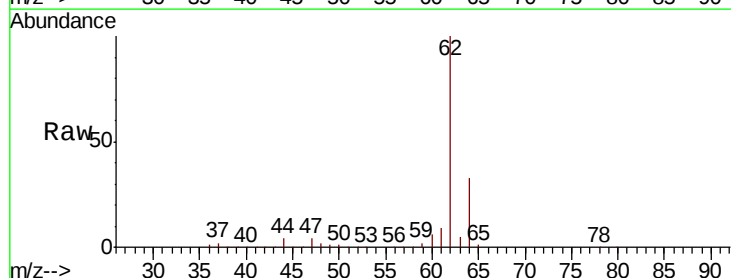
Acq: 10 Aug 2018 09:41

Tgt Ion: 62 Resp: 170488

Ion Ratio Lower Upper

62 100

64 32.5 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

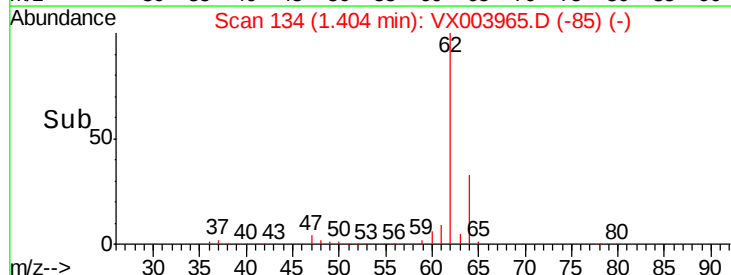
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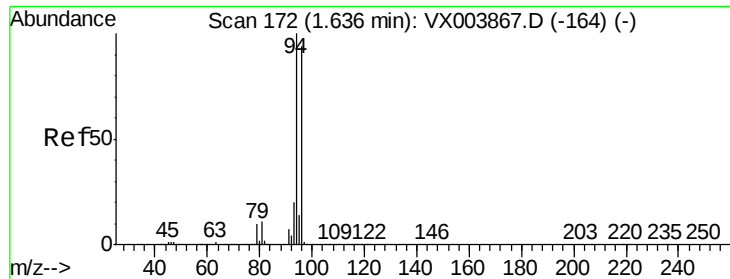
100000

50000

0

Time-->





#5

Bromomethane

Concen: 40.99 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003965.D

Acq: 10 Aug 2018 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 86032

Ion Ratio Lower Upper

94 100

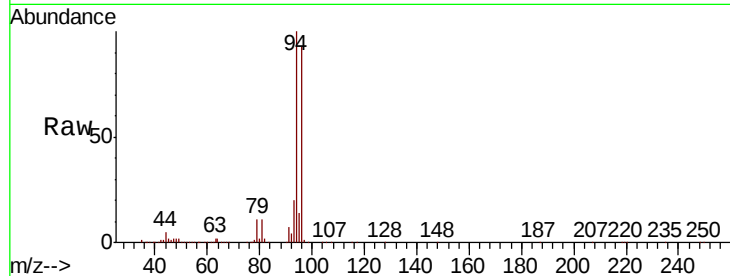
96 92.9 75.2 112.8

Manual Integrations

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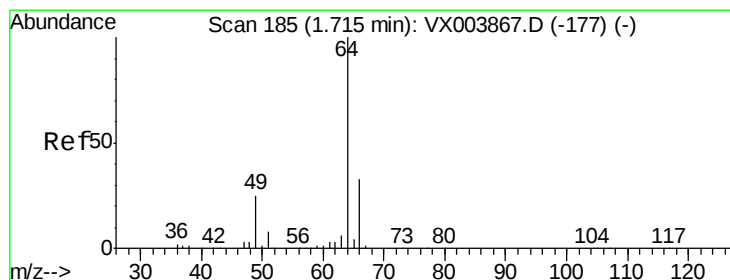
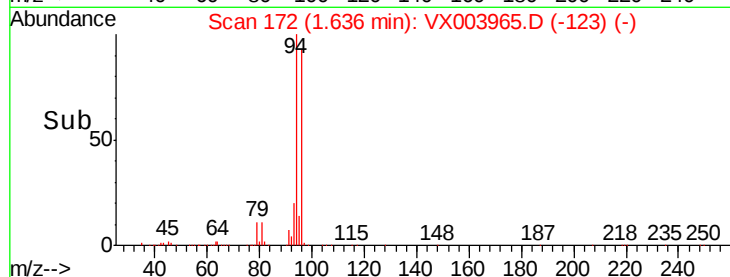
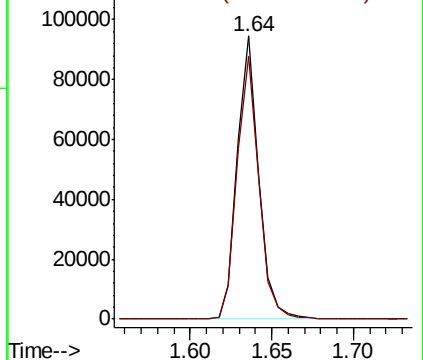
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.59 ug/l

RT: 1.71 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003965.D

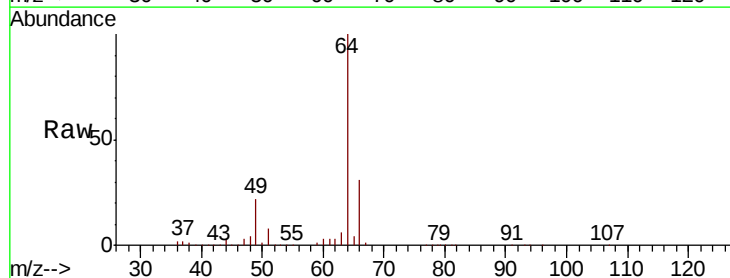
Acq: 10 Aug 2018 09:41

Tgt Ion: 64 Resp: 124854

Ion Ratio Lower Upper

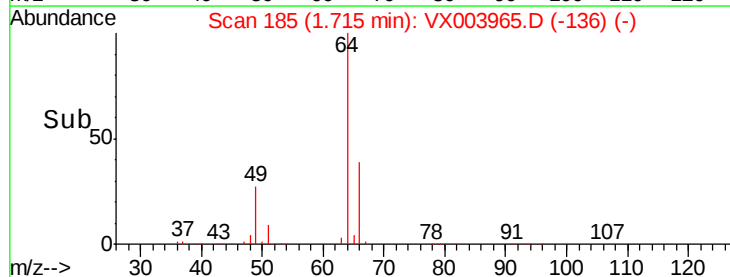
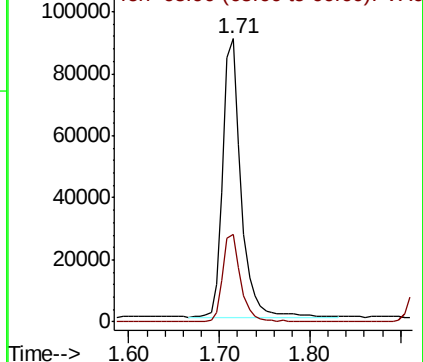
64 100

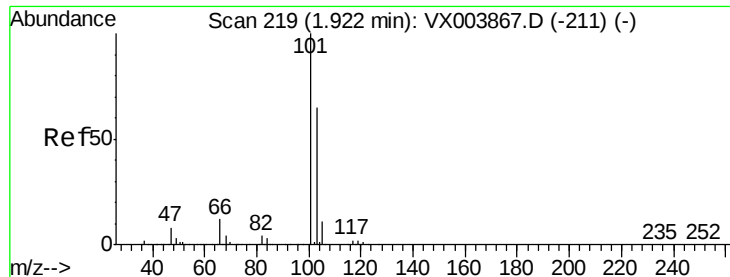
66 31.2 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

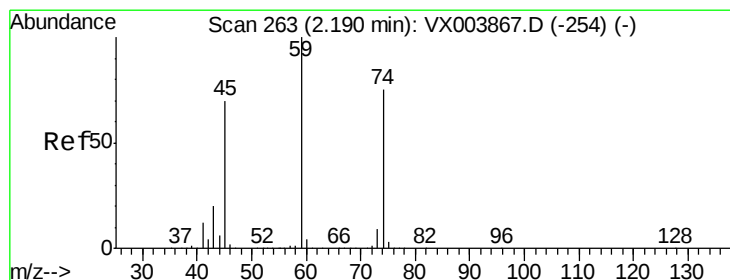
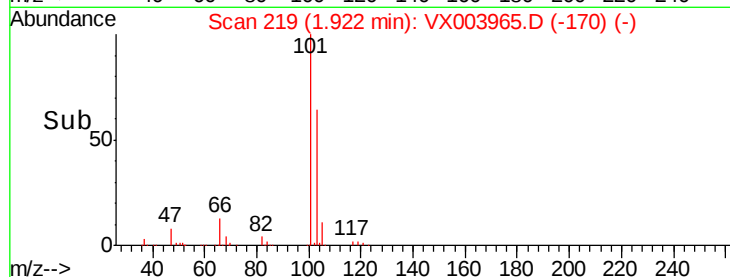
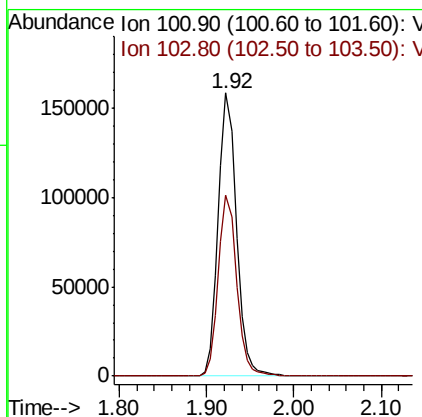
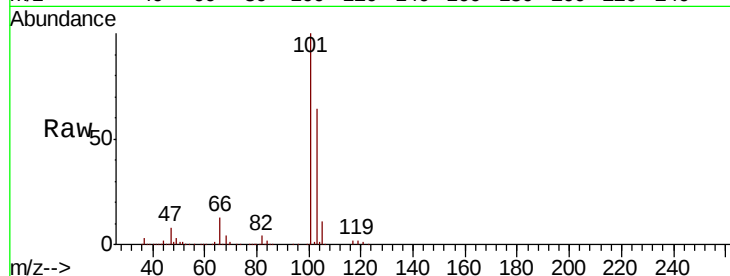
Trichlorofluoromethane
 Concen: 44.26 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VX003965.D
 Acq: 10 Aug 2018 09:41

Instrument :
 MSVOA_X
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.3	78.5

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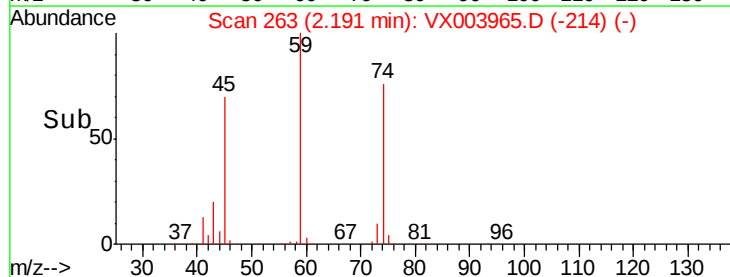
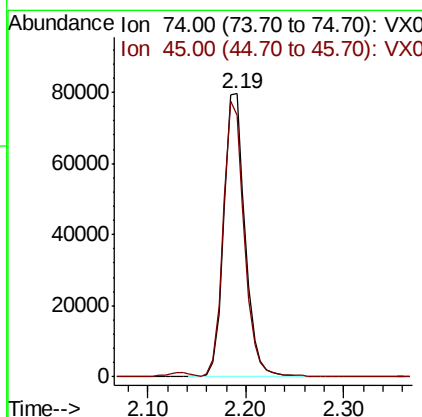
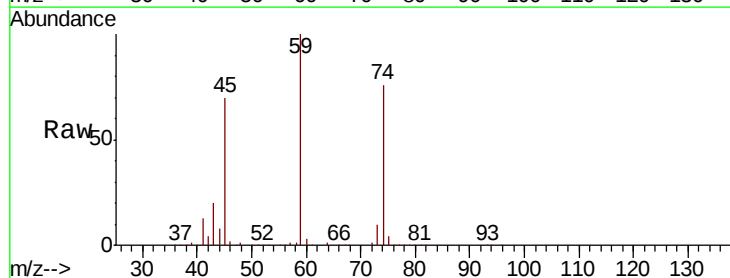
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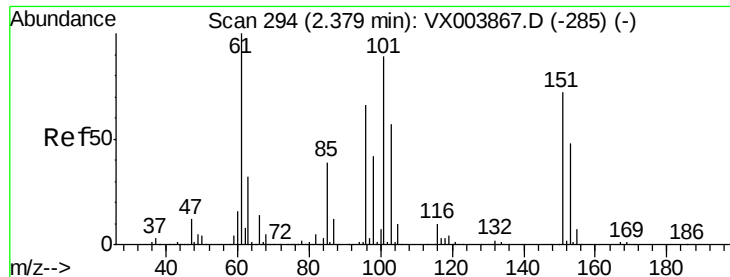


#8

Diethyl Ether
 Concen: 51.23 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003965.D
 Acq: 10 Aug 2018 09:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.1	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.57 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003965.D

Acq: 10 Aug 2018 09:41

Instrument :

MSVOA_X

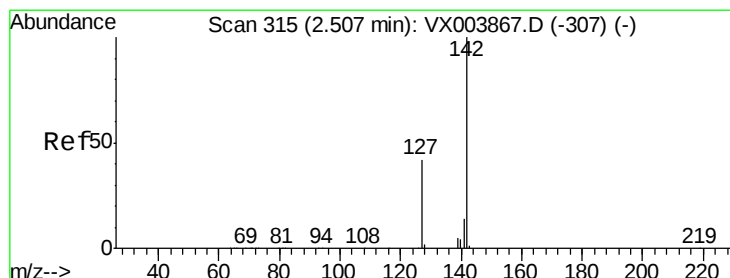
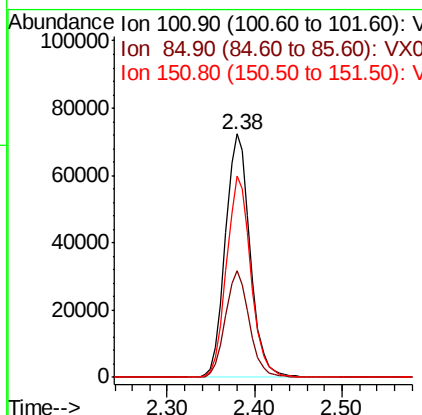
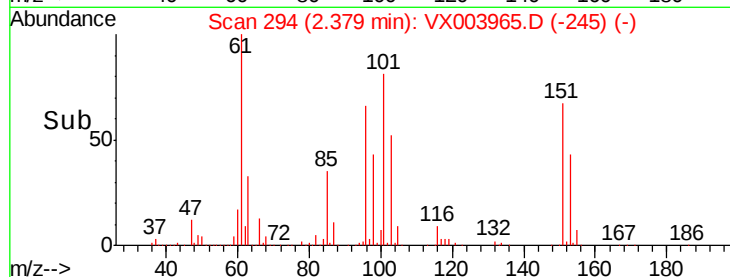
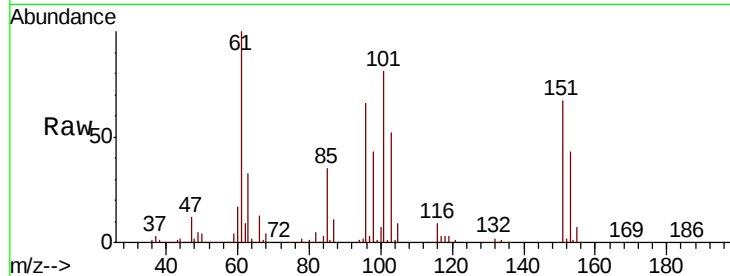
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	141507
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.2	51.4
151	81.7	65.0	97.4

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#10

Methyl Iodide

Concen: 29.75 ug/l

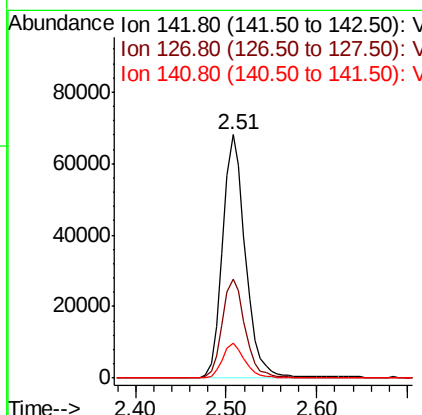
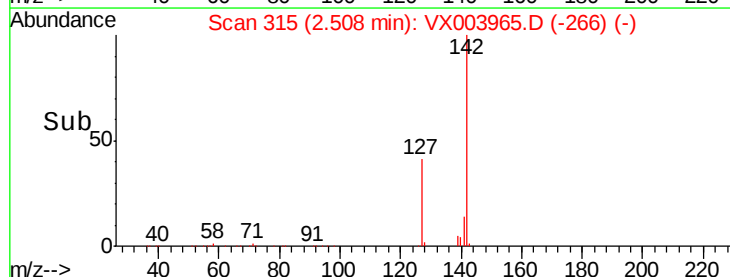
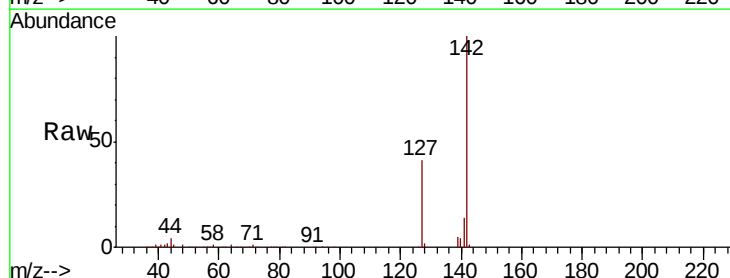
RT: 2.51 min Scan# 315

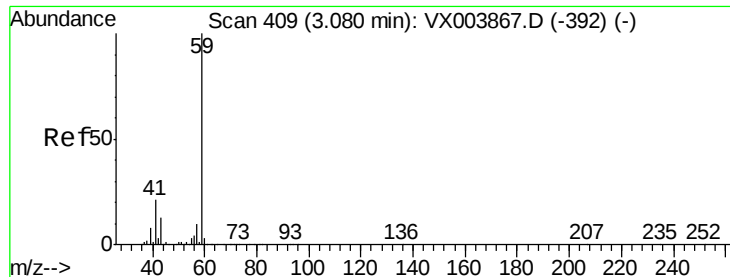
Delta R.T. 0.00 min

Lab File: VX003965.D

Acq: 10 Aug 2018 09:41

Tgt Ion:	142	Resp:	120209
Ion Ratio	Lower	Upper	
142	100		
127	40.9	33.1	49.7
141	14.1	11.1	16.7





#11

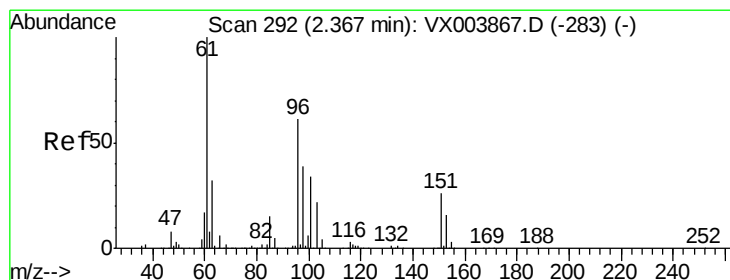
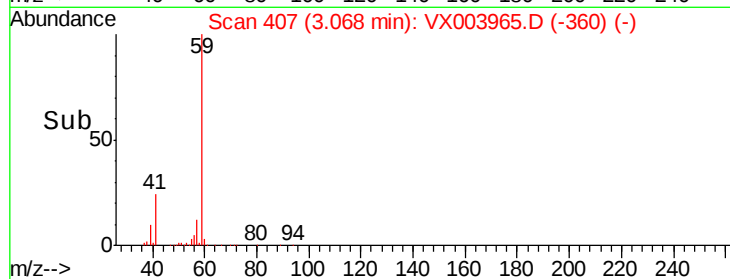
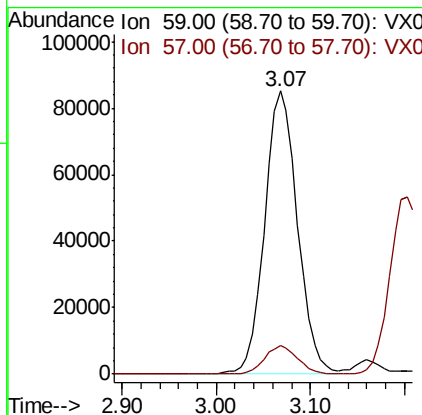
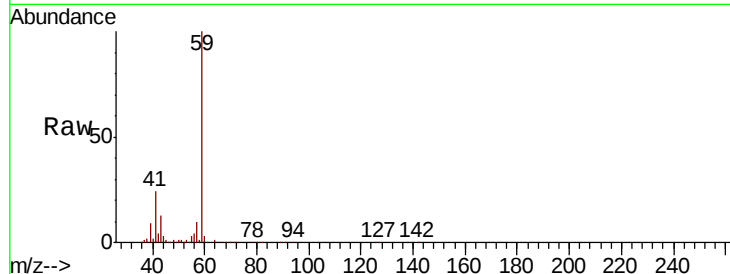
Tert butyl alcohol
Concen: 227.96 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

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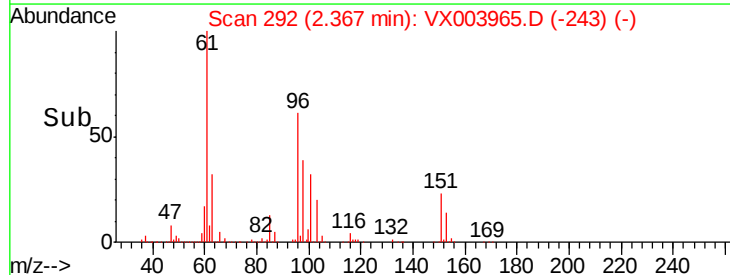
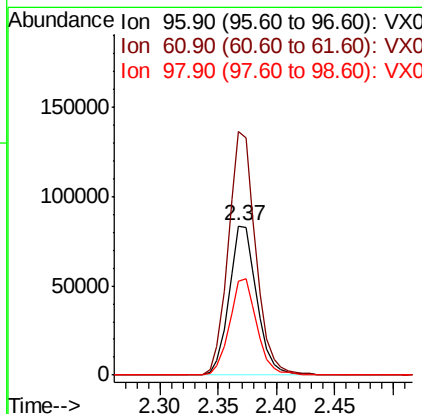
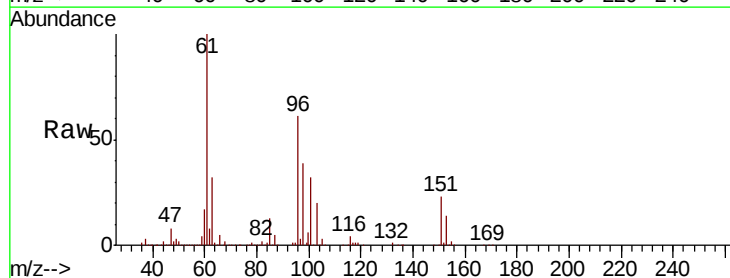
MMDadoda
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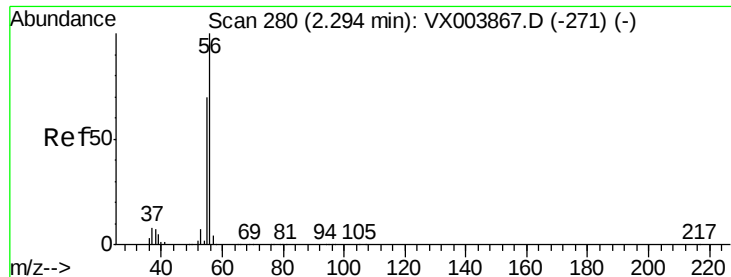


#12

1,1-Dichloroethene
Concen: 45.07 ug/l
RT: 2.37 min Scan# 292
Delta R.T. 0.00 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.9	131.3	196.9
98	62.8	51.8	77.6





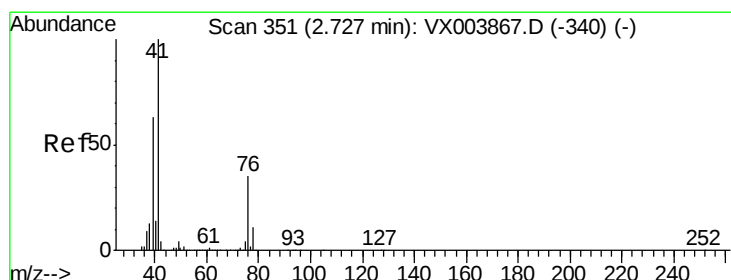
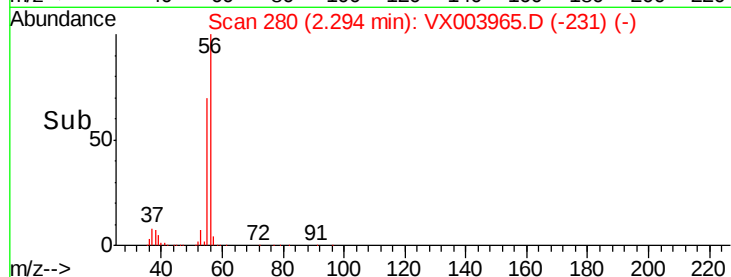
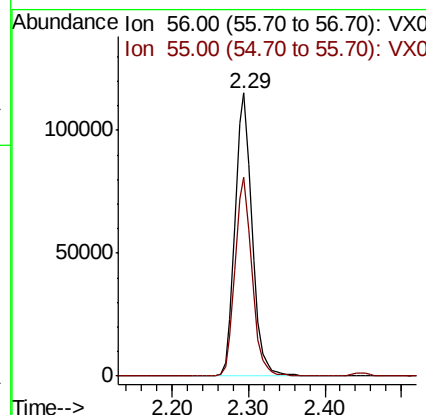
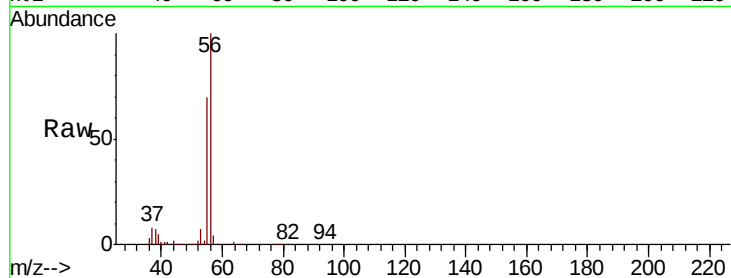
#13
Acrolein
Concen: 384.36 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	178410
Ion Ratio	100	Lower	Upper
56	100		
55	69.8	56.1	84.1

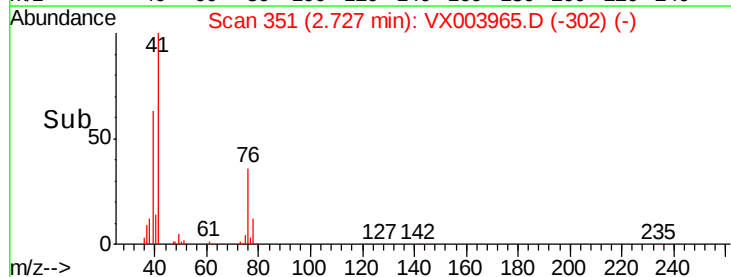
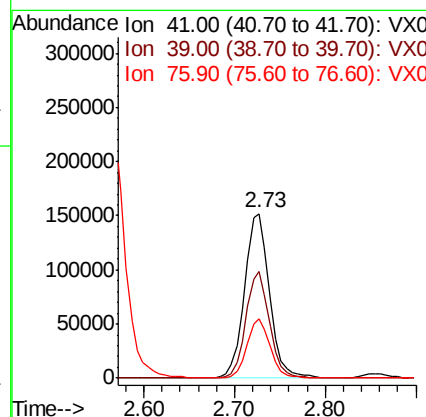
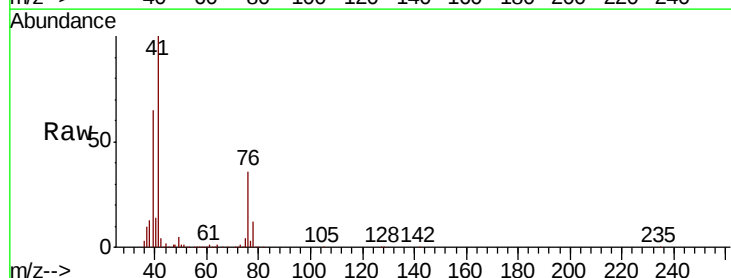
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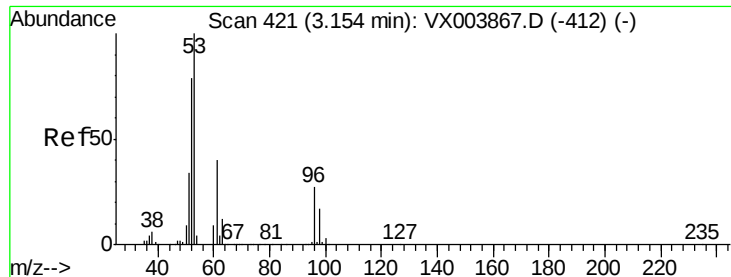
MMDadoda
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#14
Allyl chloride
Concen: 48.82 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Tgt Ion	41	Resp	289066
Ion Ratio	100	Lower	Upper
41	100		
39	61.1	47.4	71.0
76	33.3	26.0	39.0





#15

Acrylonitrile

Concen: 241.73 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003965.D

Acq: 10 Aug 2018 09:41

Instrument :

MSVOA_X

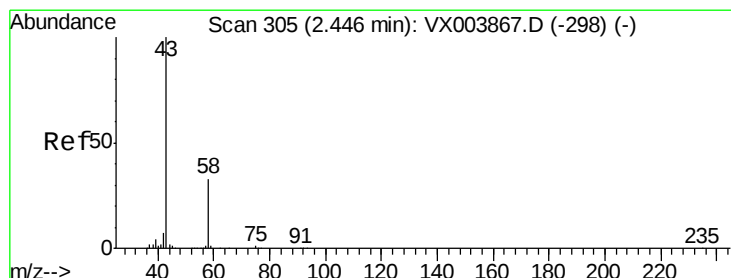
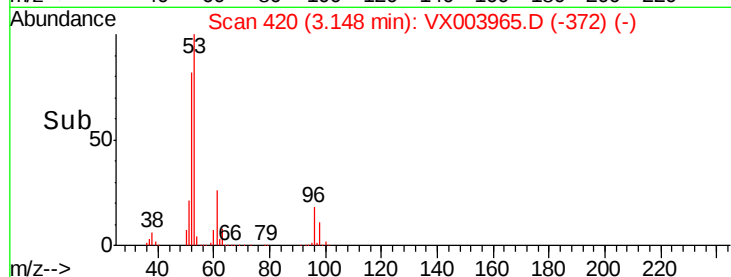
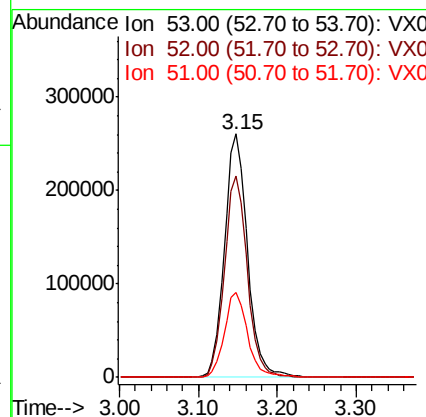
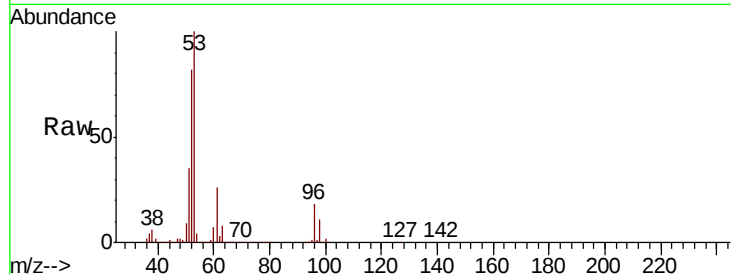
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	525849
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.3	97.9
51	35.4	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 261.25 ug/l

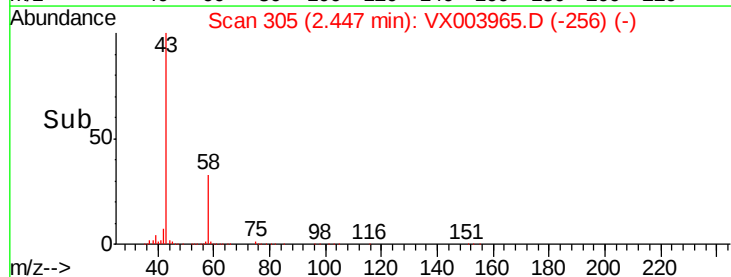
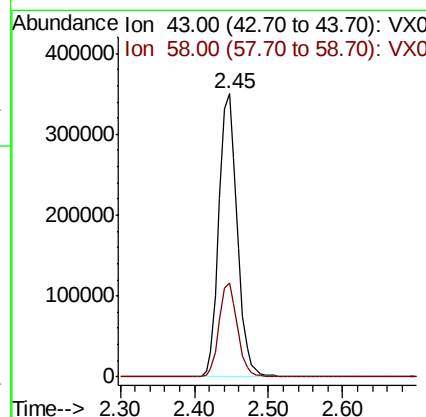
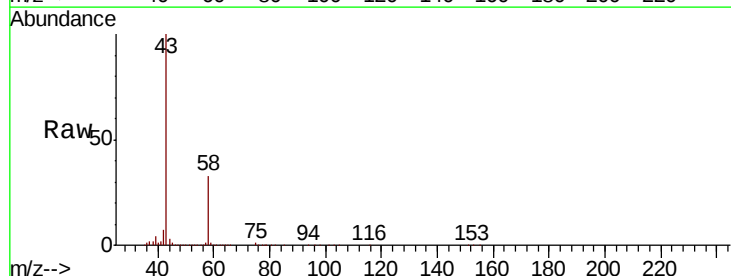
RT: 2.45 min Scan# 305

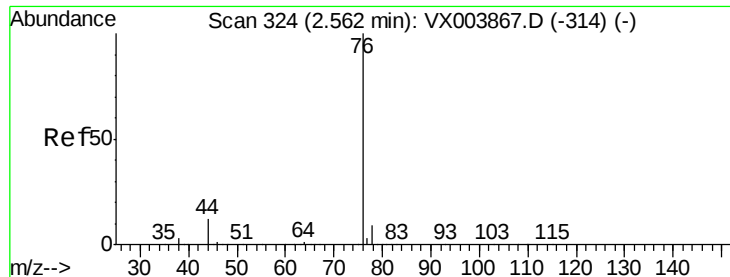
Delta R.T. 0.00 min

Lab File: VX003965.D

Acq: 10 Aug 2018 09:41

Tgt Ion:	43	Resp:	589667
Ion	Ratio	Lower	Upper
43	100		
58	33.3	26.4	39.6





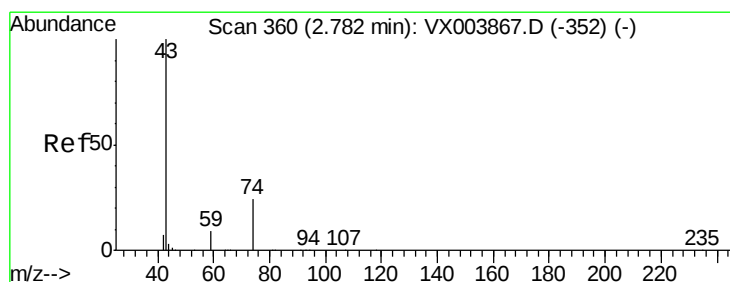
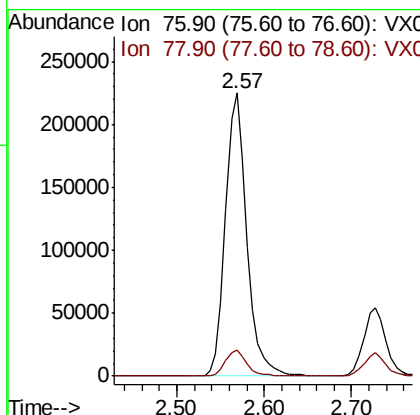
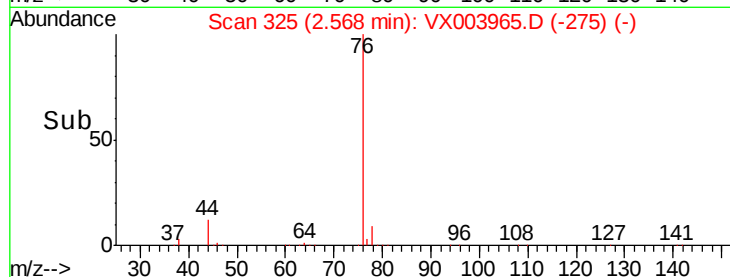
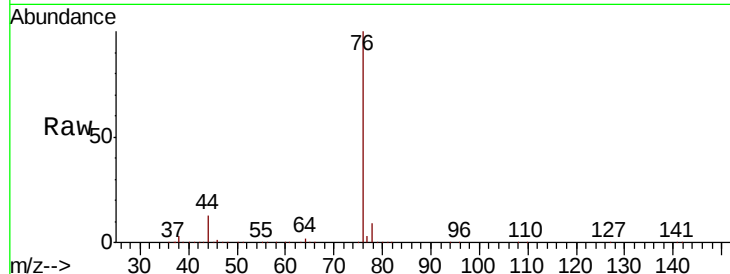
#17
Carbon Disulfide
Concen: 43.81 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.01 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.5	11.3

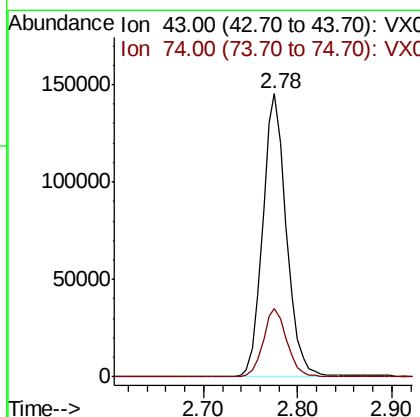
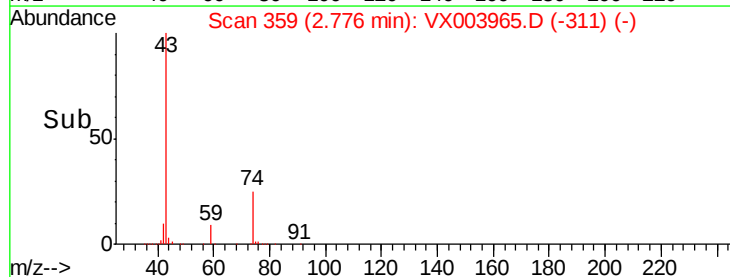
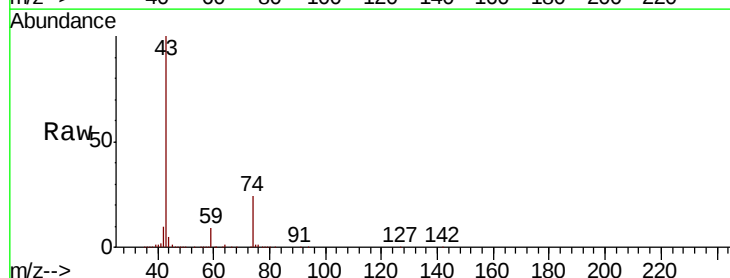
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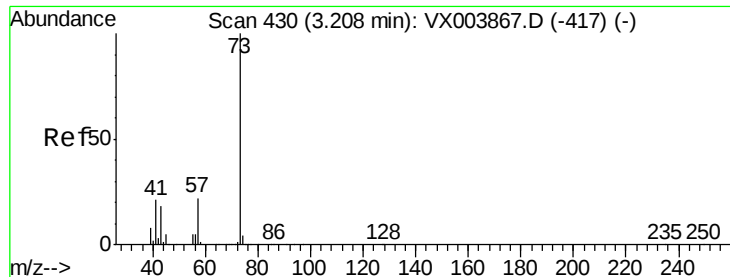
MMDadoda
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#18
Methyl Acetate
Concen: 52.07 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	18.9	28.3





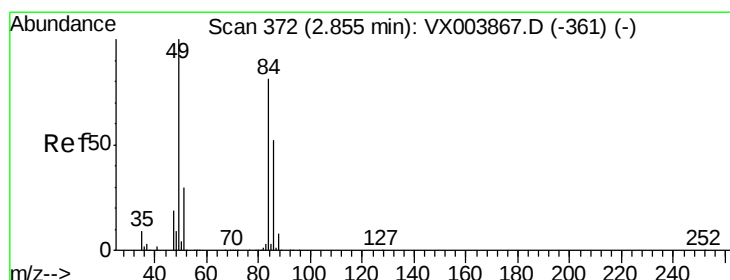
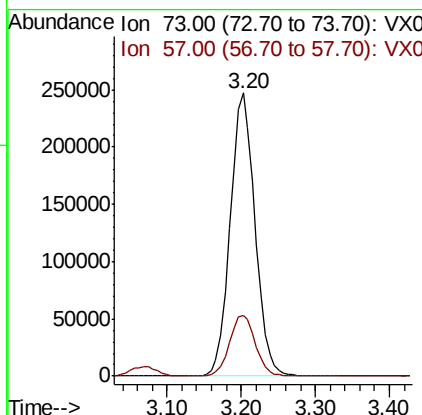
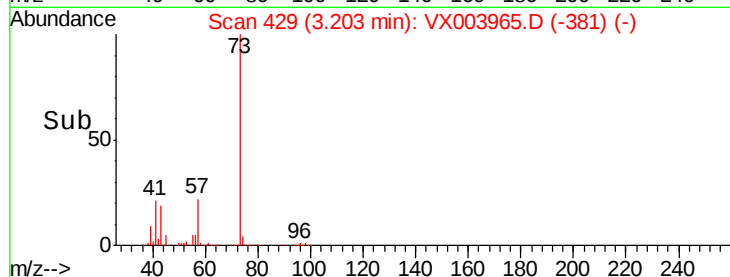
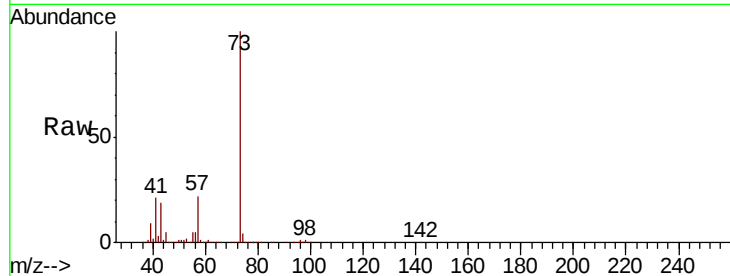
#19
Methvl tert-butvl Ether
Concen: 52.89 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 575742
Ion Ratio Lower Upper
73 100
57 21.5 18.0 27.0

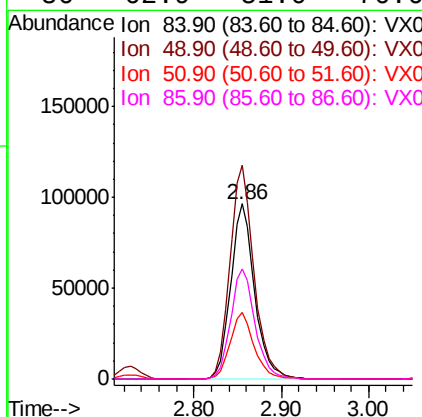
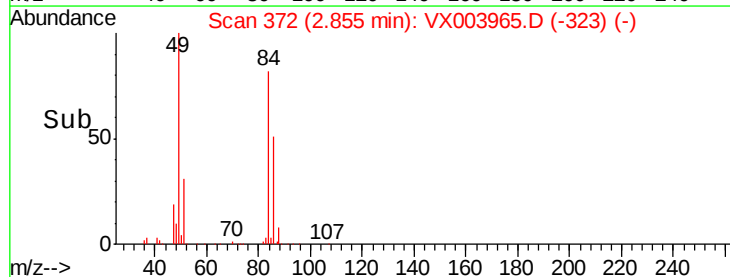
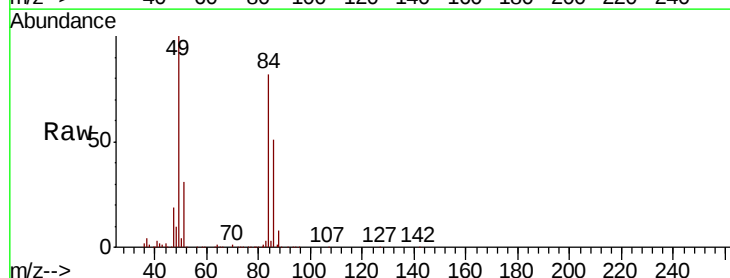
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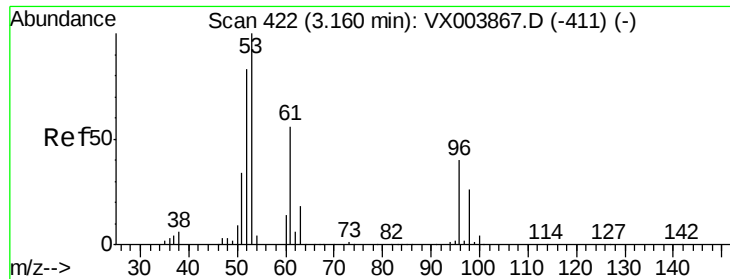
MMDadoda
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#20
Methylene Chloride
Concen: 51.59 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Tgt Ion: 84 Resp: 183301
Ion Ratio Lower Upper
84 100
49 122.2 98.9 148.3
51 38.0 29.9 44.9
86 62.9 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 46.52 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003965.D

Acq: 10 Aug 2018 09:41

Instrument :

MSVOA_X

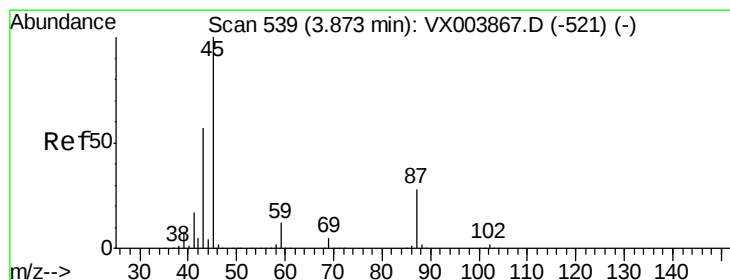
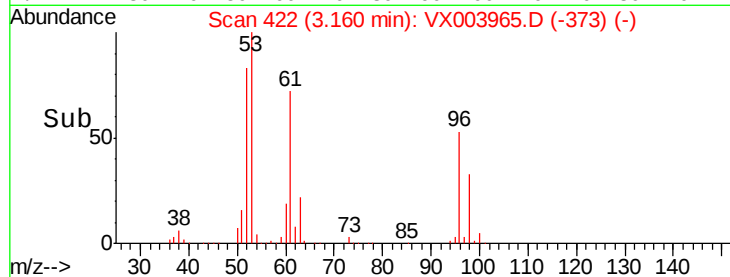
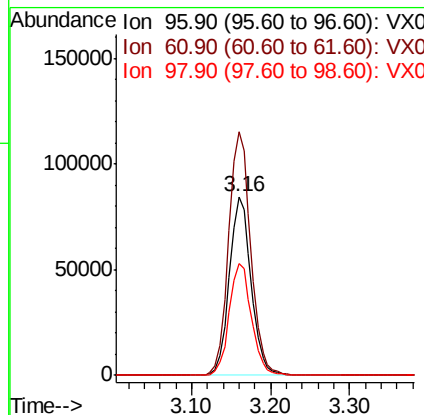
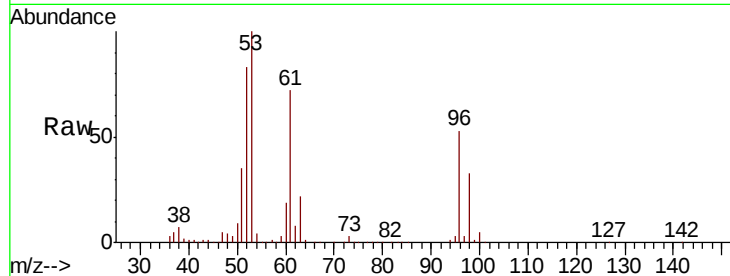
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	162250
Ion	Ratio	Lower	Upper
96	100		
61	136.2	111.8	167.6
98	62.8	51.8	77.6

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#22

Diisopropyl ether

Concen: 54.26 ug/l

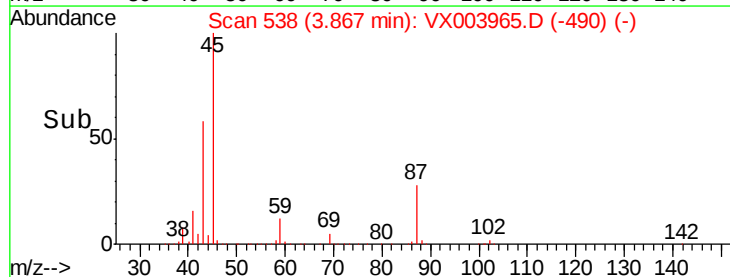
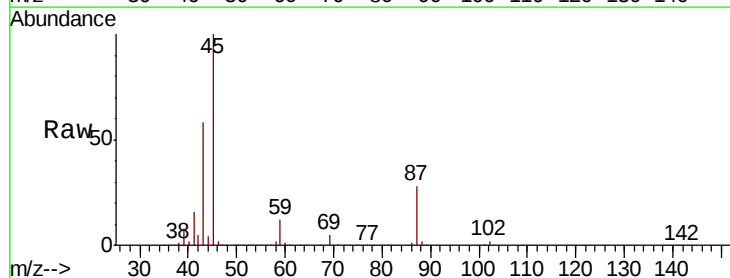
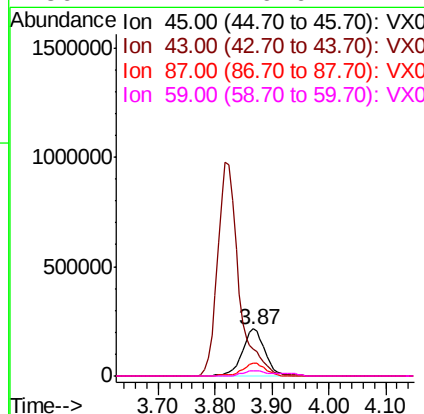
RT: 3.87 min Scan# 538

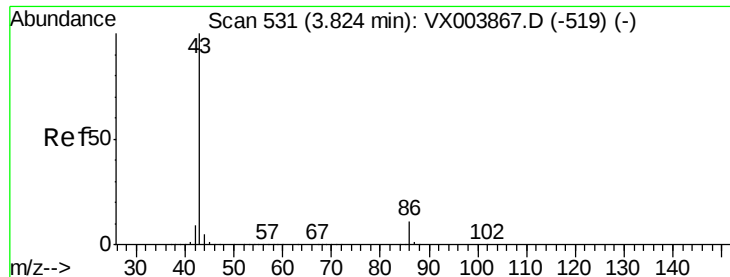
Delta R.T. -0.01 min

Lab File: VX003965.D

Acq: 10 Aug 2018 09:41

Tgt Ion:	45	Resp:	590633
Ion	Ratio	Lower	Upper
45	100		
43	58.2	45.3	67.9
87	27.6	22.7	34.1
59	11.7	9.6	14.4





#23

Vinyl Acetate

Concen: 279.07 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.01 min

Lab File: VX003965.D

Acq: 10 Aug 2018 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2527480

Ion Ratio Lower Upper

43 100

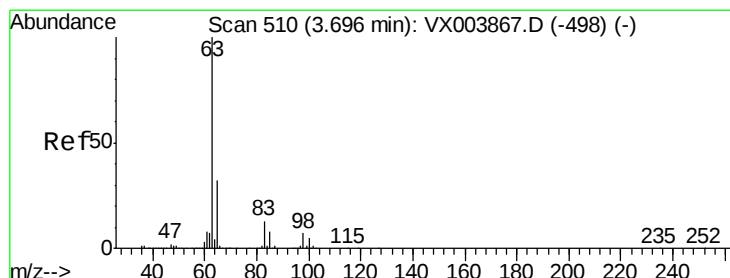
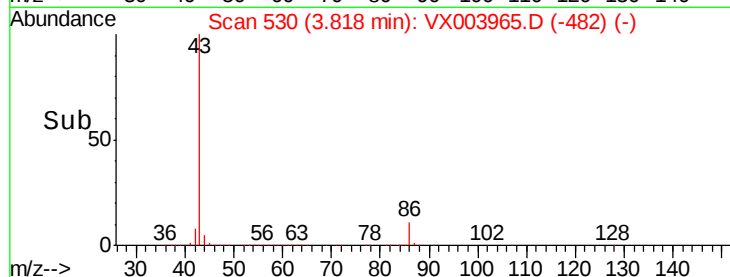
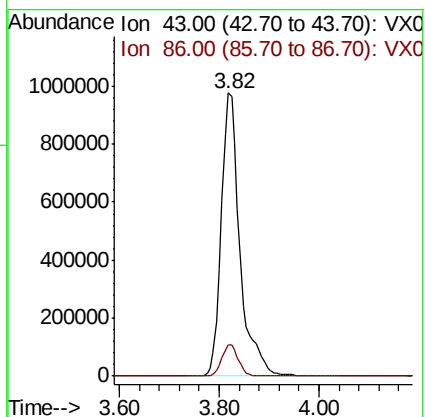
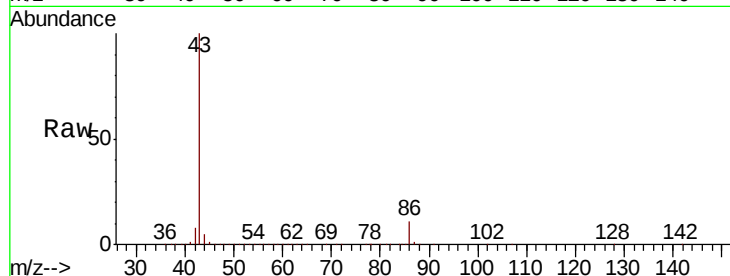
86 10.8 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.38 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003965.D

Acq: 10 Aug 2018 09:41

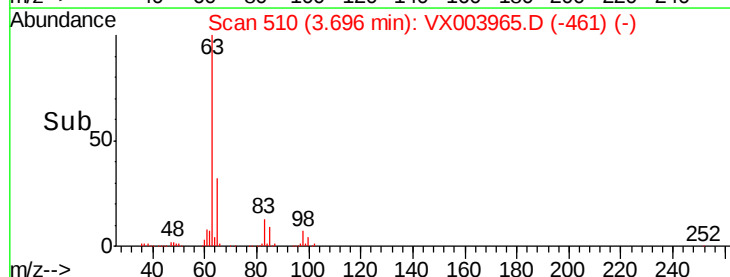
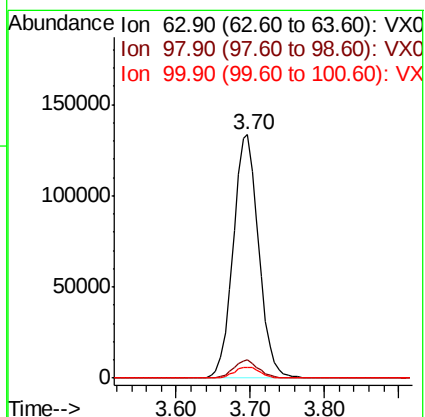
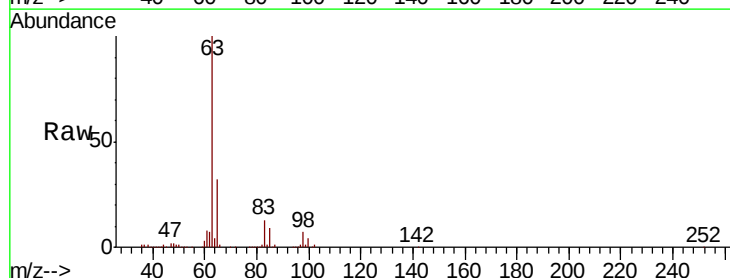
Tgt Ion: 63 Resp: 319269

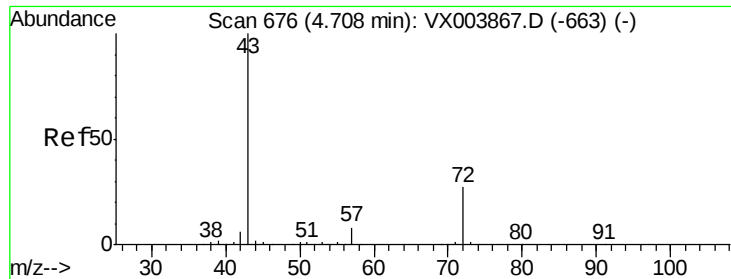
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.5

100 4.4 2.3 6.8





#25

2-Butanone

Concen: 256.35 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX003965.D

Acq: 10 Aug 2018 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 869916

Ion Ratio Lower Upper

43 100

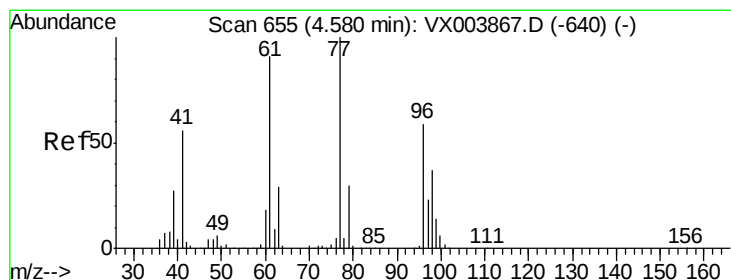
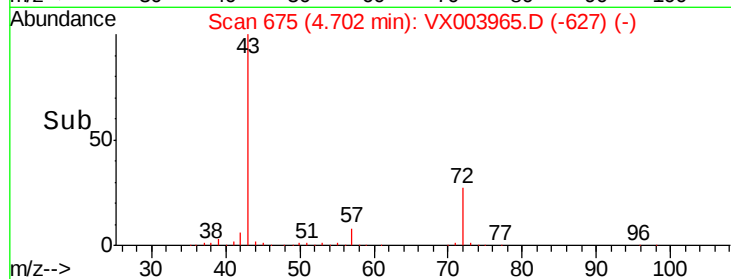
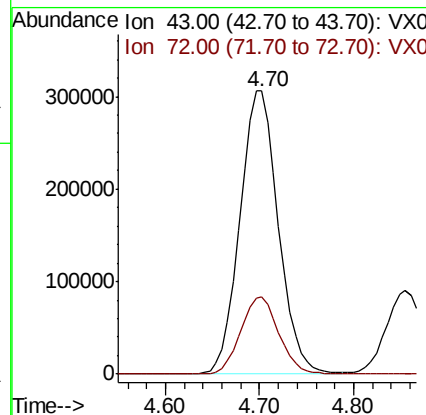
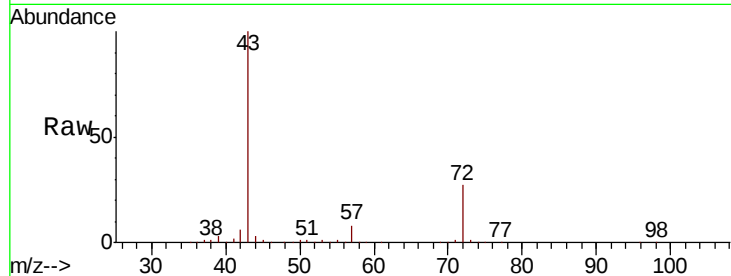
72 27.1 21.4 32.0

Manual Integrations

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8/13/2018 11:01:55 AM



#26

2,2-Dichloropropane

Concen: 52.84 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX003965.D

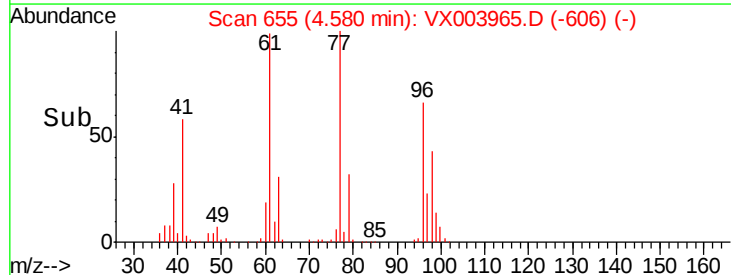
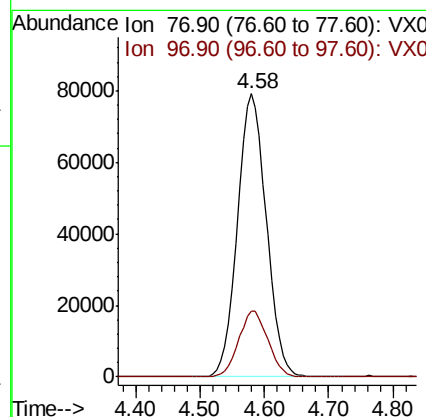
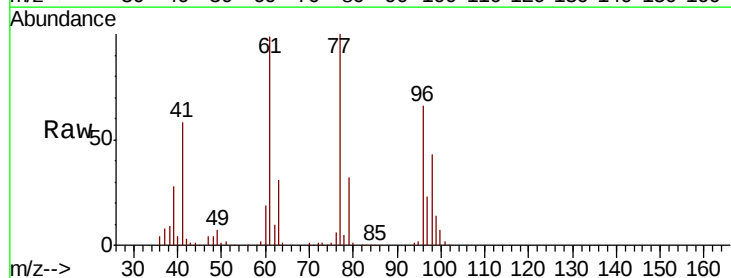
Acq: 10 Aug 2018 09:41

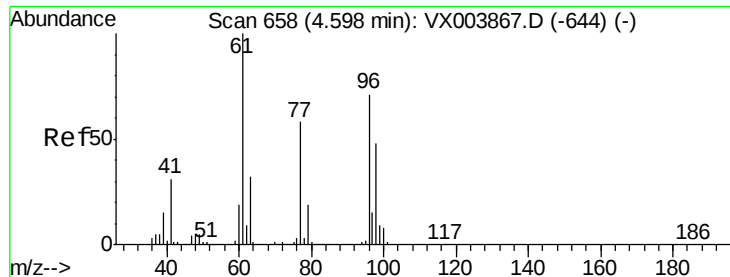
Tgt Ion: 77 Resp: 246387

Ion Ratio Lower Upper

77 100

97 23.6 11.9 35.9





#27

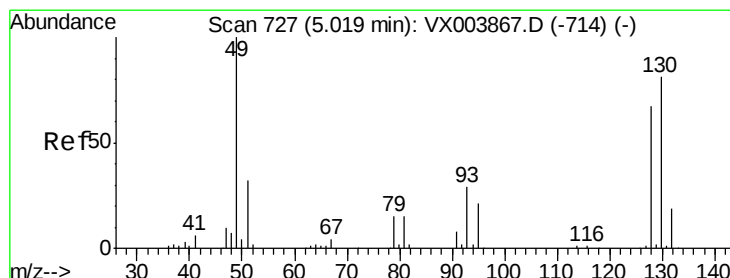
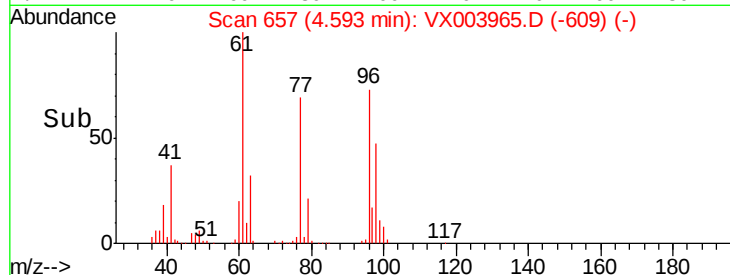
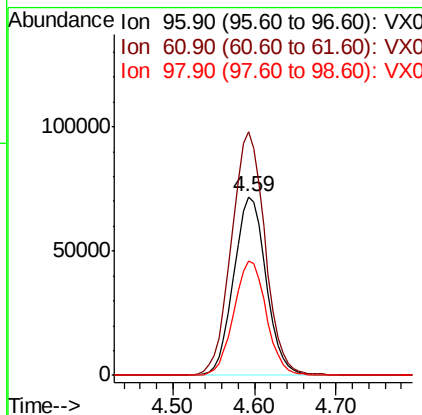
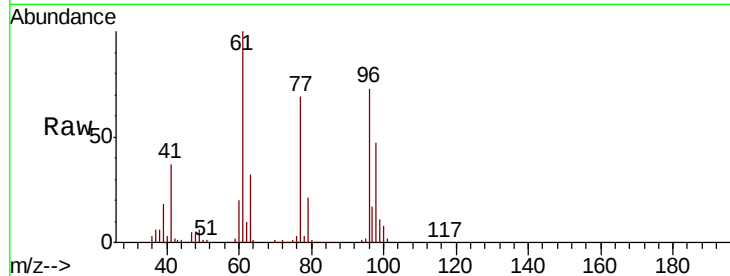
cis-1,2-Dichloroethene
Concen: 52.12 ug/l
RT: 4.59 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	197229		
61	141.8	0.0	293.0	
98	64.2	0.0	131.8	

Manual Integrations
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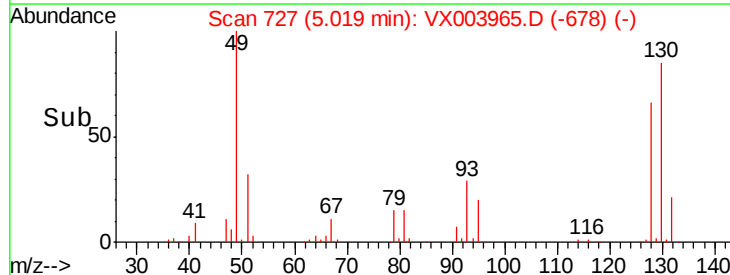
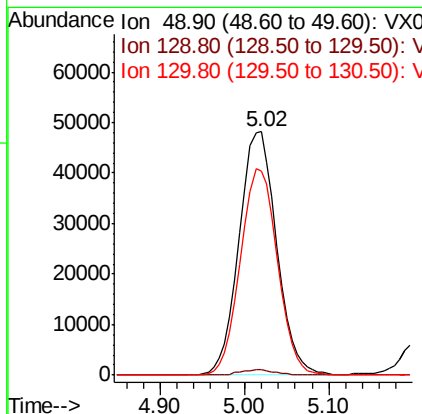
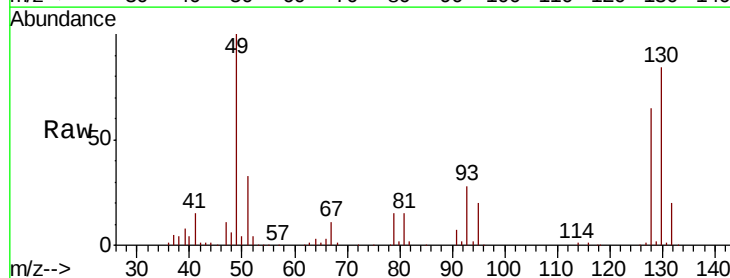
MMDadoda
8/13/2018 11:01:55 AM

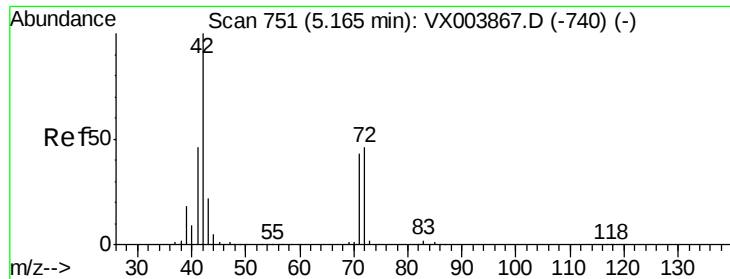


#28

Bromochloromethane
Concen: 52.73 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	145913		
129	2.2	0.0	4.2	
130	83.7	66.5	99.7	





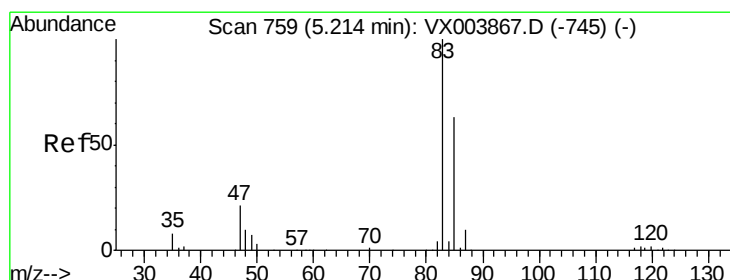
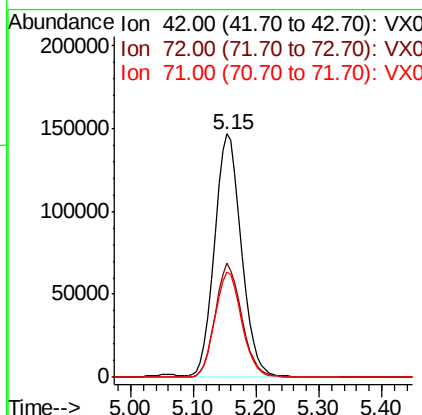
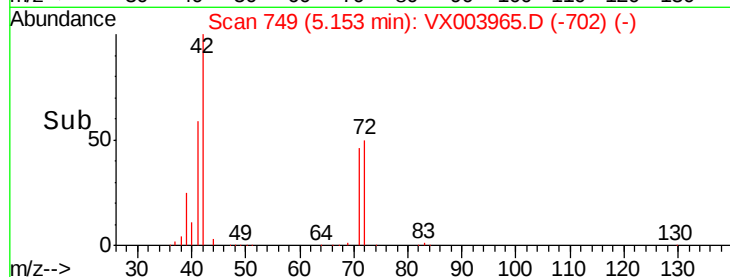
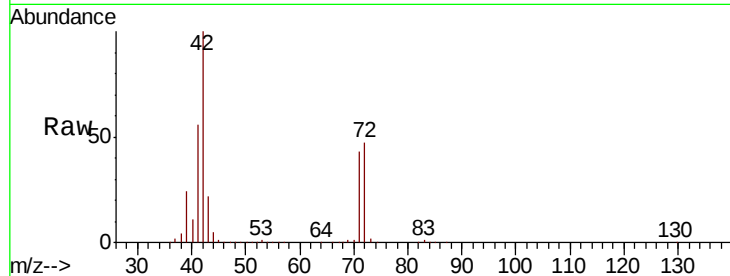
#29
Tetrahydrofuran
Concen: 248.51 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.01 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	37.7	56.5
71	43.2	35.0	52.6

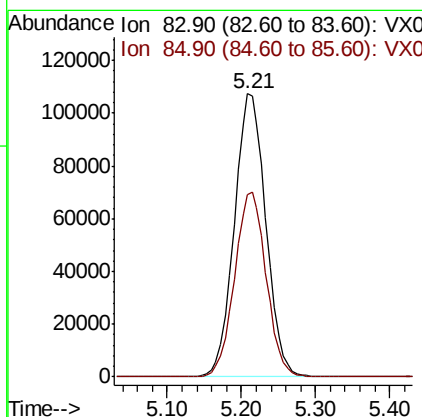
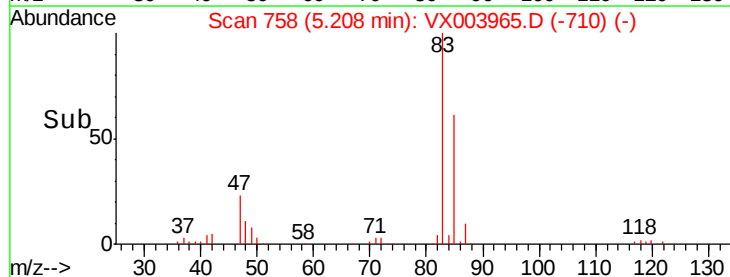
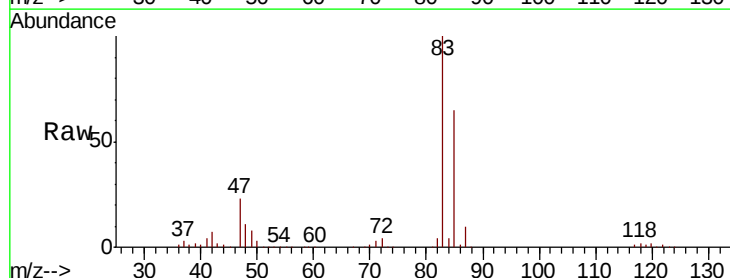
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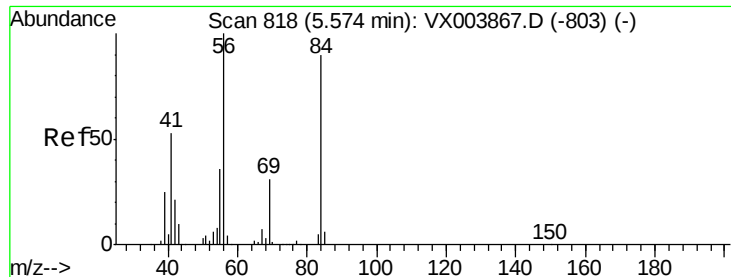
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#30
Chloroform
Concen: 52.24 ug/l
RT: 5.21 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.7	76.1





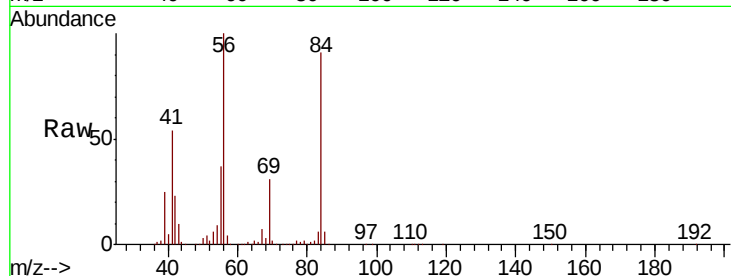
#31
Cyclohexane
Concen: 43.41 ug/l
RT: 5.57 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	24.9	37.3
84	89.1	71.7	107.5

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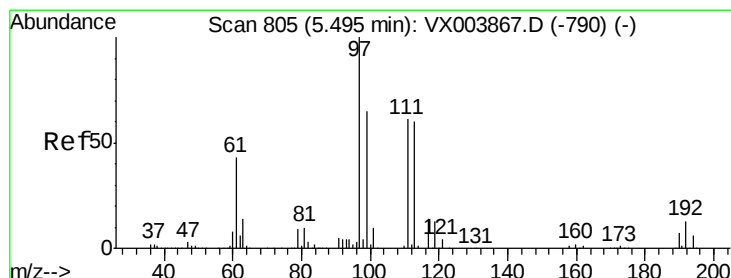
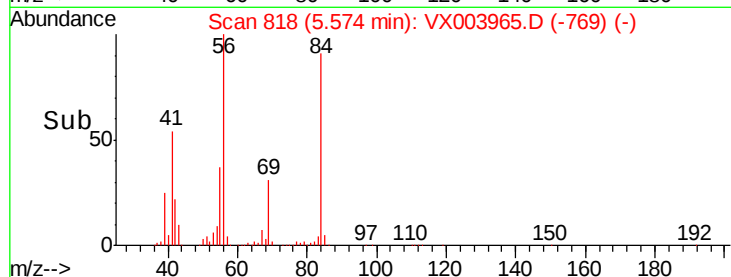
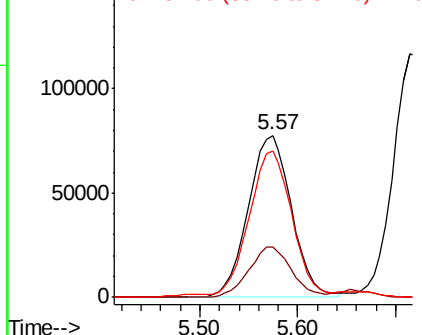


Abundance

Ion 56.00 (55.70 to 56.70): VX0

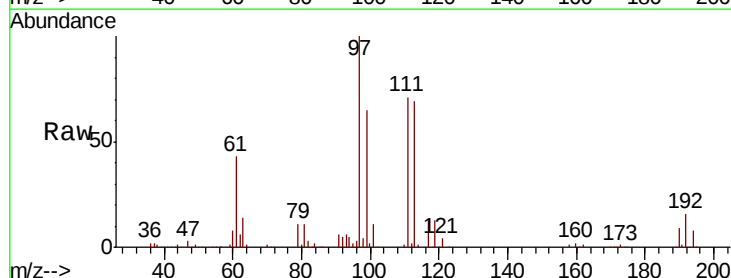
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32
1,1,1-Trichloroethane
Concen: 49.48 ug/l
RT: 5.49 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.8	77.8
61	44.0	34.4	51.6

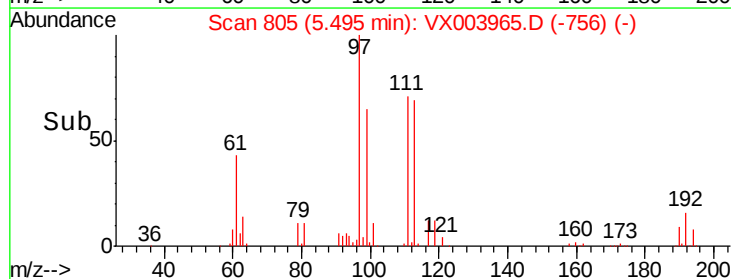
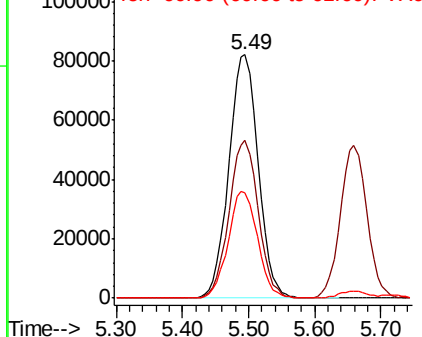


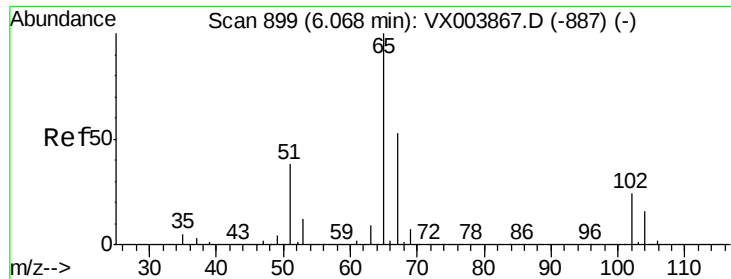
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





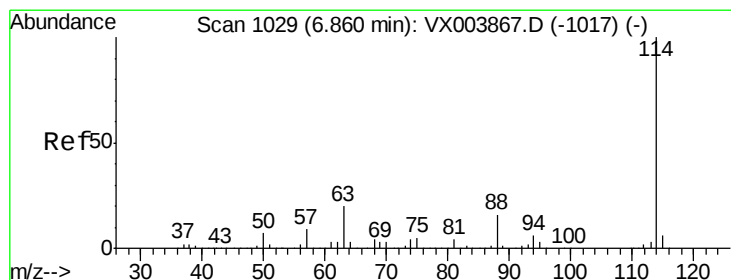
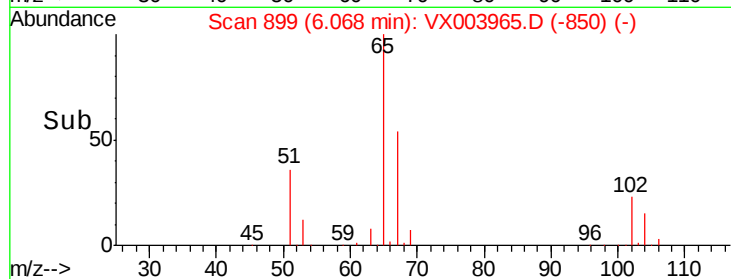
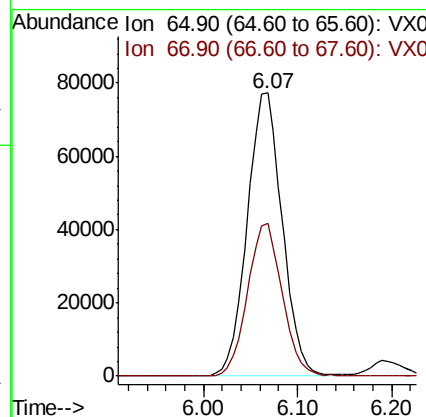
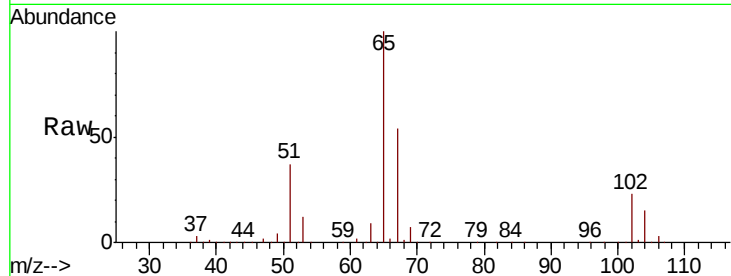
#33
 1,2-Dichloroethane-d4
 Concen: 53.07 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003965.D
 Acq: 10 Aug 2018 09:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	201360		
67	53.5	0.0	105.8	

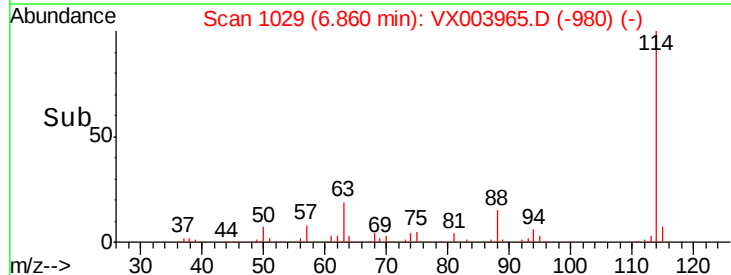
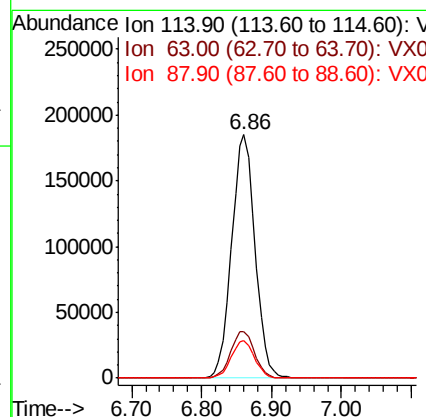
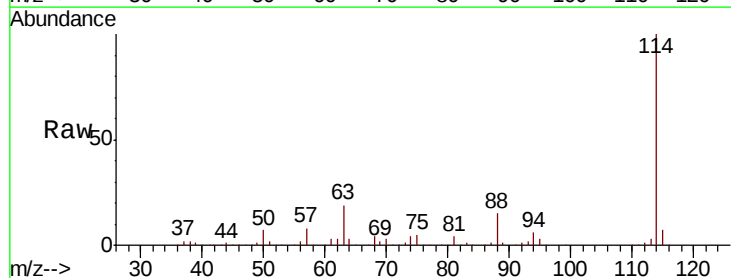
Manual Integrations
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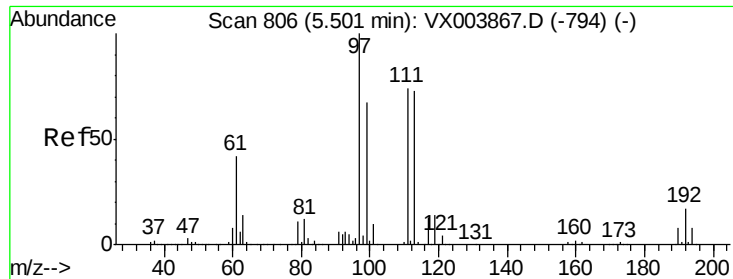
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX003965.D
 Acq: 10 Aug 2018 09:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	430341		
63	18.9	0.0	39.0	
88	15.5	0.0	32.0	





#35

Dibromofluoromethane

Concen: 50.70 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX003965.D

Acq: 10 Aug 2018 09:41

Instrument :

MSVOA_X

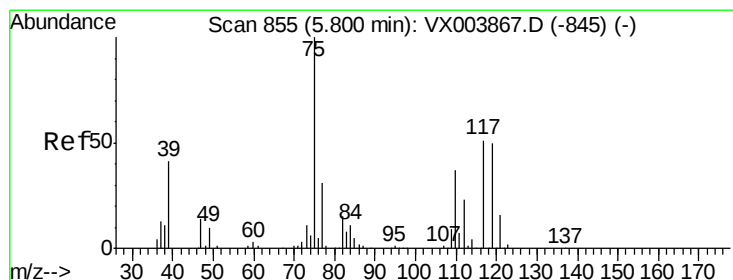
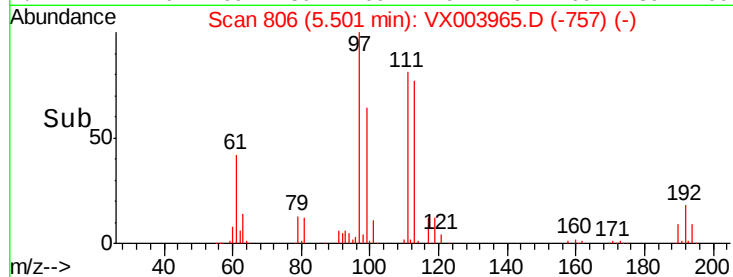
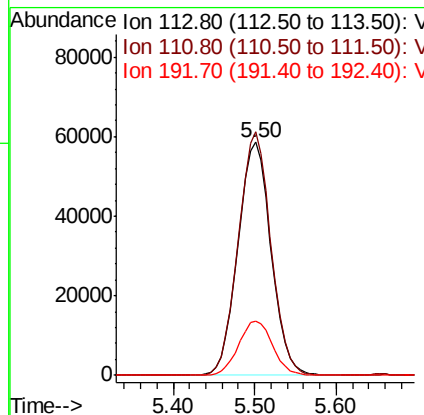
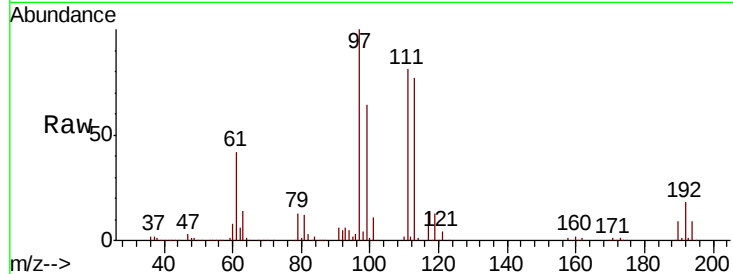
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	165288
Ion Ratio	Lower	Upper	
113	100		
111	102.8	82.0	123.0
192	23.9	19.0	28.4

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#36

1,1-Dichloropropene

Concen: 46.62 ug/l

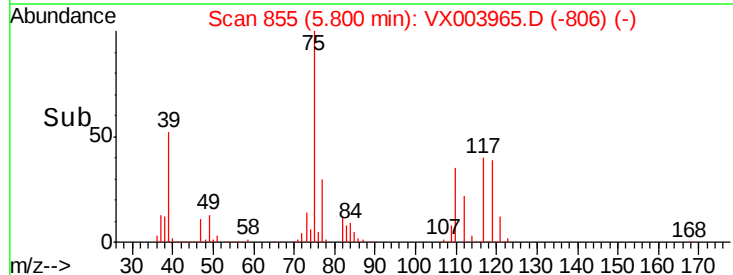
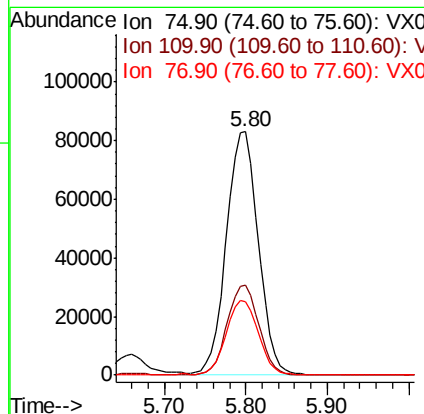
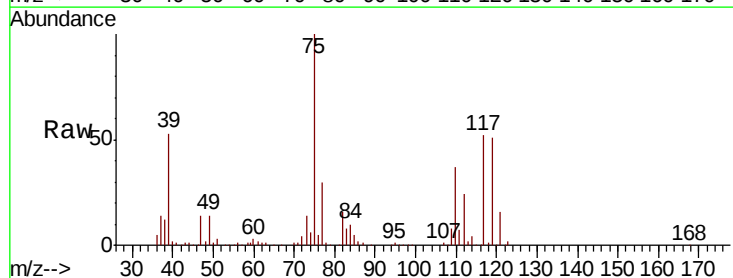
RT: 5.80 min Scan# 855

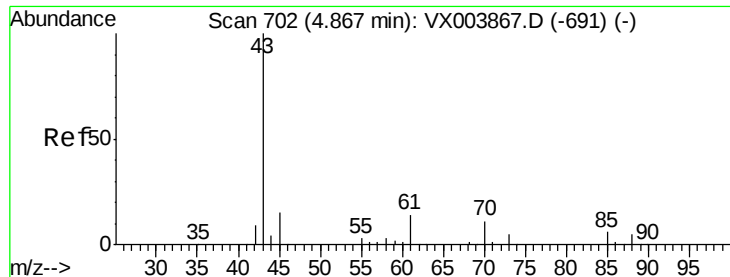
Delta R.T. 0.00 min

Lab File: VX003965.D

Acq: 10 Aug 2018 09:41

Tgt Ion:	75	Resp:	224693
Ion Ratio	Lower	Upper	
75	100		
110	36.8	18.2	54.6
77	31.0	25.0	37.4





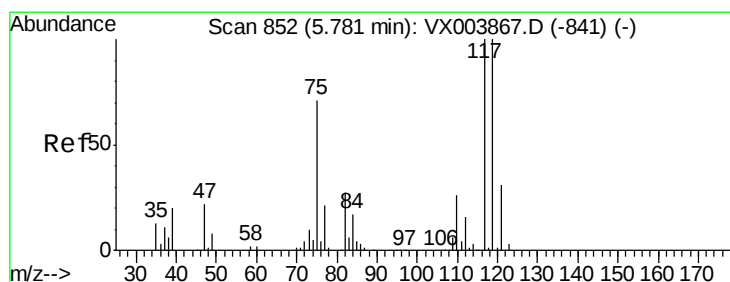
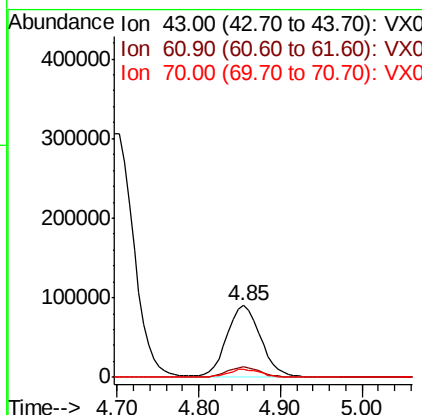
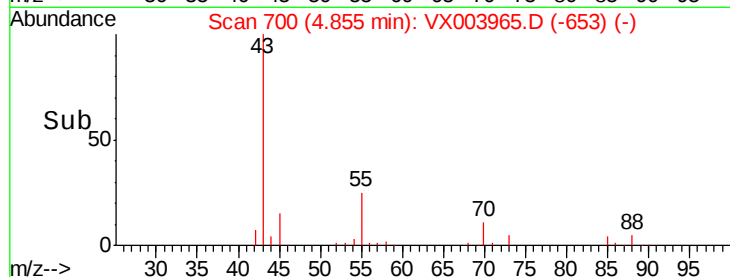
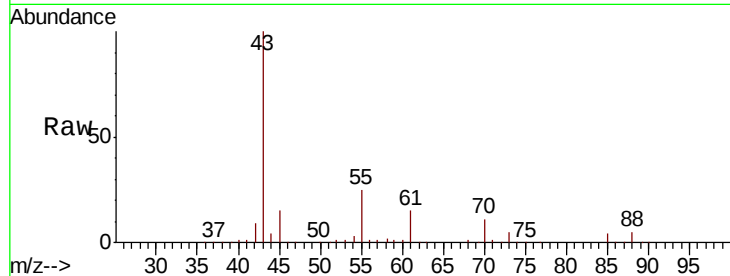
#37
Ethyl Acetate
Concen: 49.17 ug/l
RT: 4.85 min Scan# 700
Delta R.T. -0.01 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.5	17.3
70	11.2	9.0	13.4

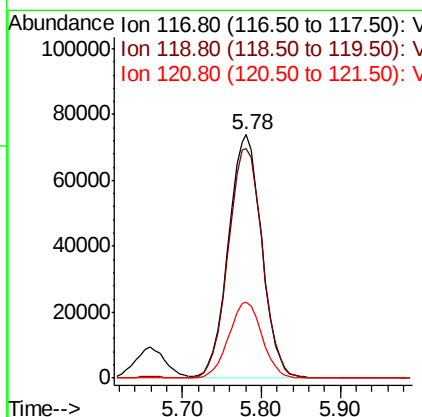
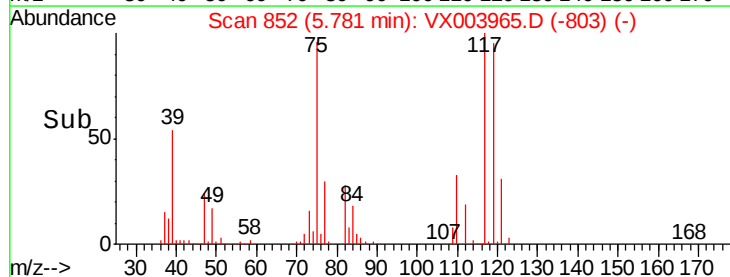
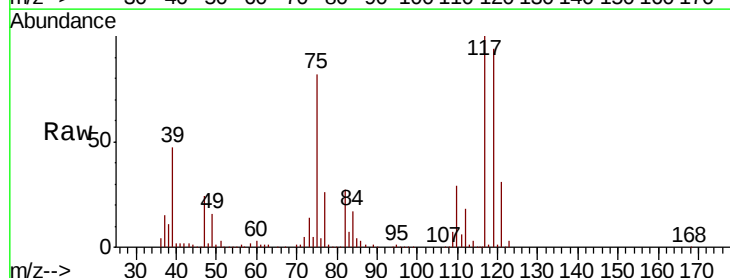
Manual Integrations
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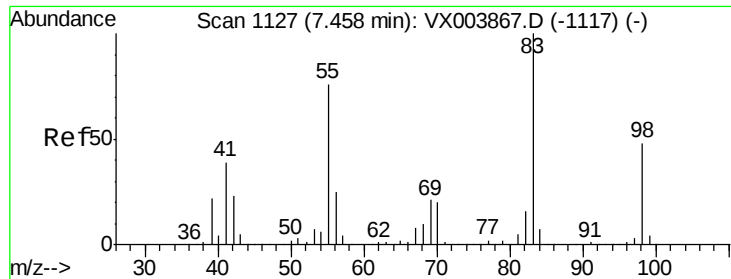
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#38
Carbon Tetrachloride
Concen: 47.25 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	79.5	119.3
121	31.0	25.0	37.4





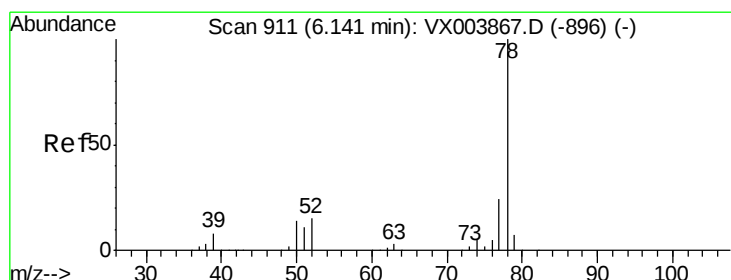
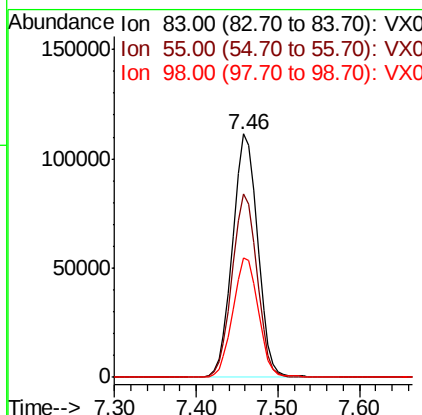
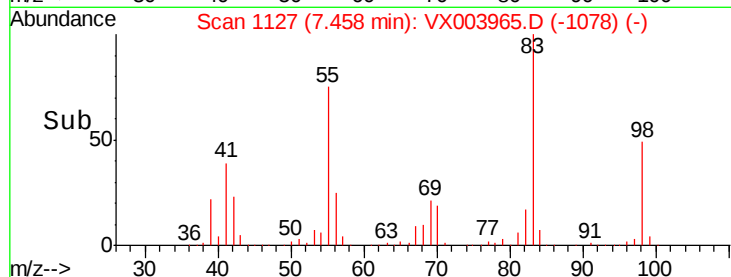
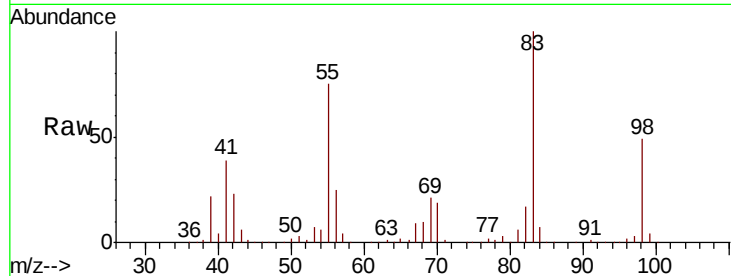
#39
Methvlcvclohexane
Concen: 41.71 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	237030		
55	75.2		61.0	91.6
98	49.0		38.6	57.8

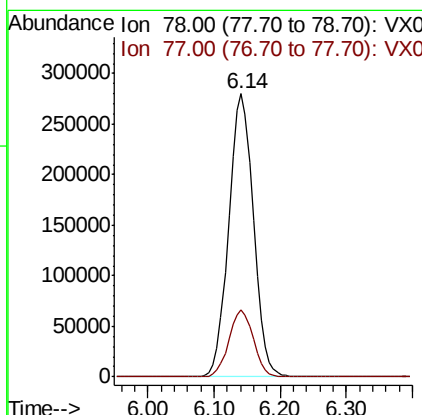
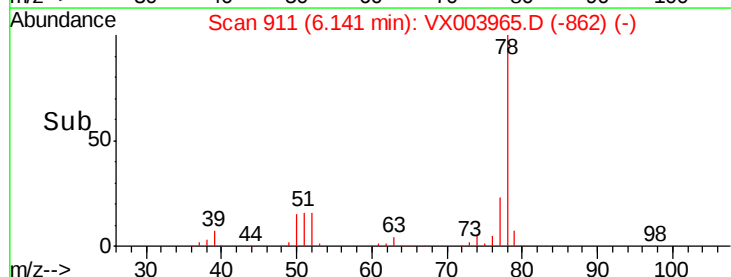
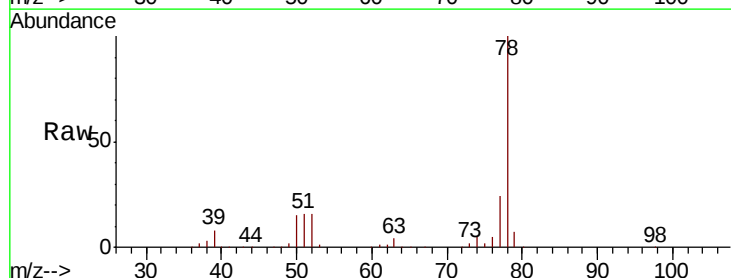
Manual Integrations
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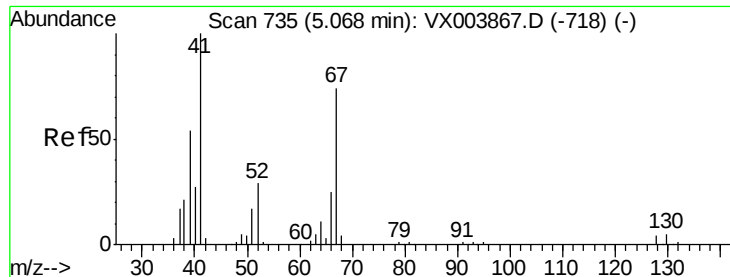
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#40
Benzene
Concen: 49.98 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	723392		
77	23.9		19.0	28.4





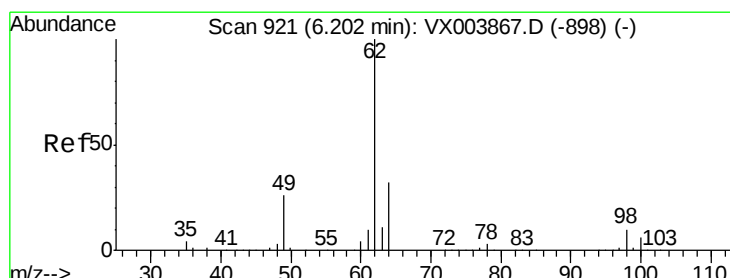
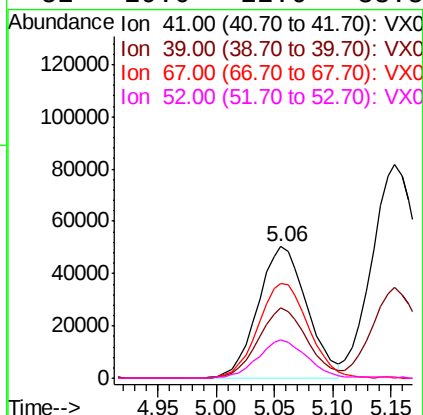
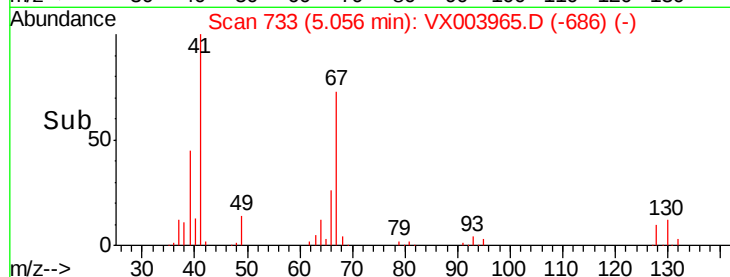
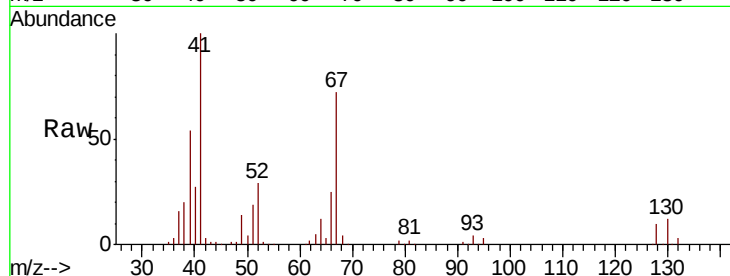
#41
Methacrylonitrile
Concen: 50.35 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.0	42.7	64.1	
67	73.8	58.9	88.3	
52	29.0	22.6	33.8	

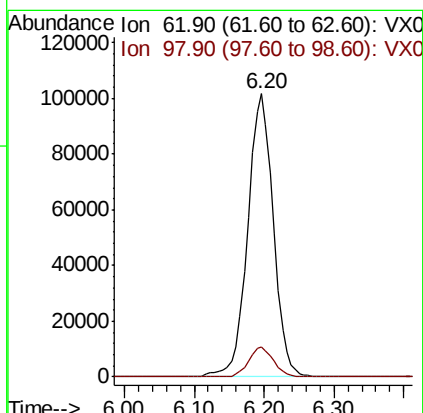
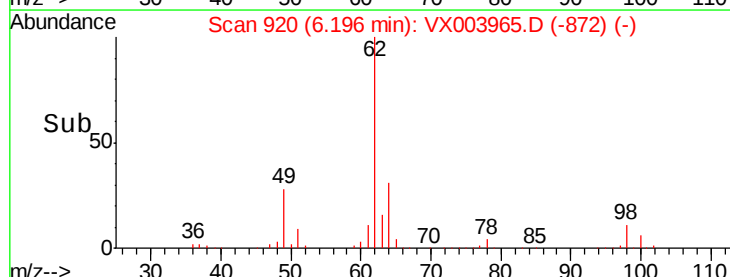
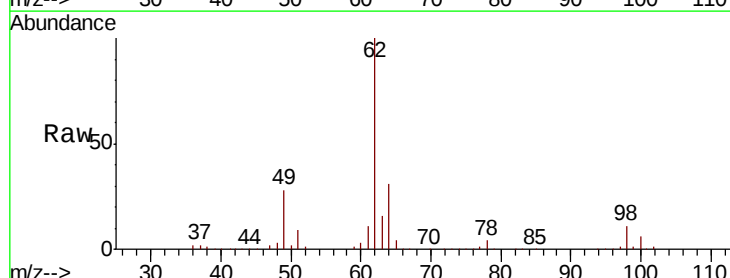
Manual Integrations
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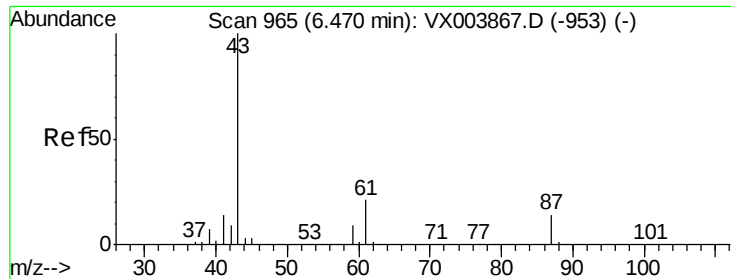
MMDadoda
8/13/2018 11:01:55 AM



#42
1,2-Dichloroethane
Concen: 52.70 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	20.4	





#43

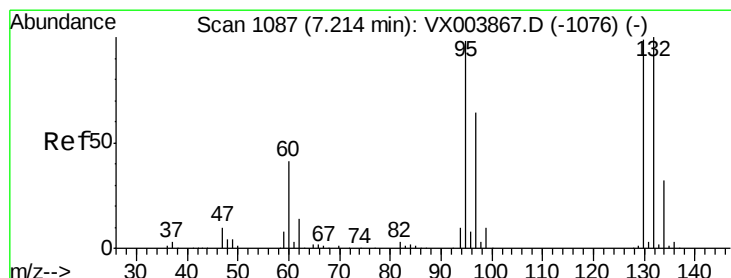
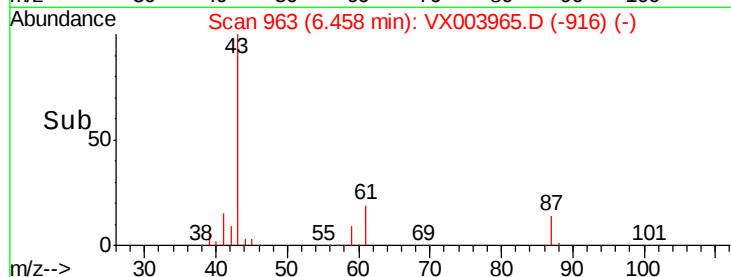
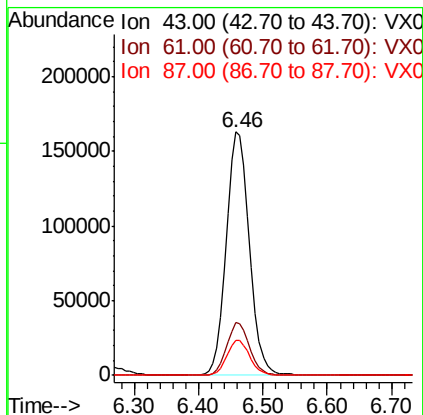
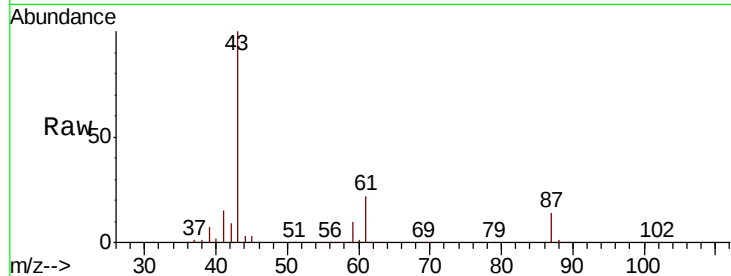
Isopropyl Acetate
 Concen: 51.64 ug/l
 RT: 6.46 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VX003965.D
 Acq: 10 Aug 2018 09:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	16.9	25.3
87	14.2	11.3	16.9

Manual Integrations
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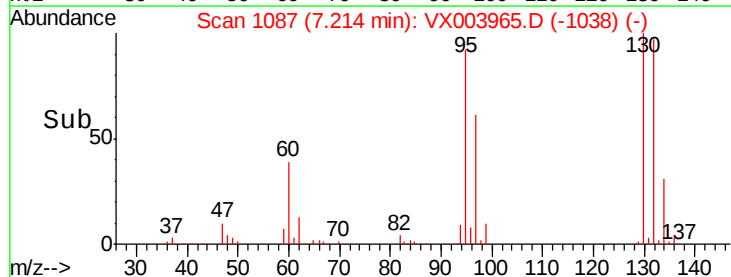
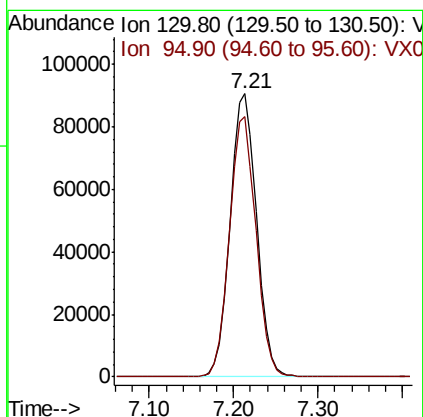
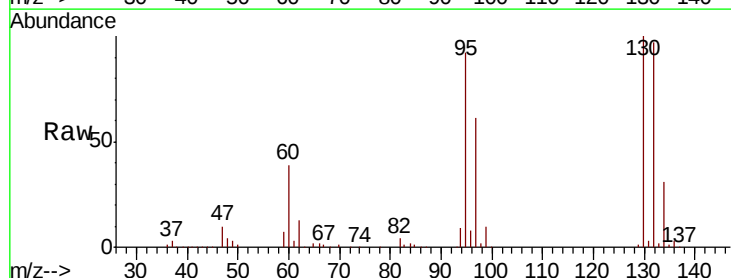
MMDadoda
 8/13/2018 11:01:55 AM

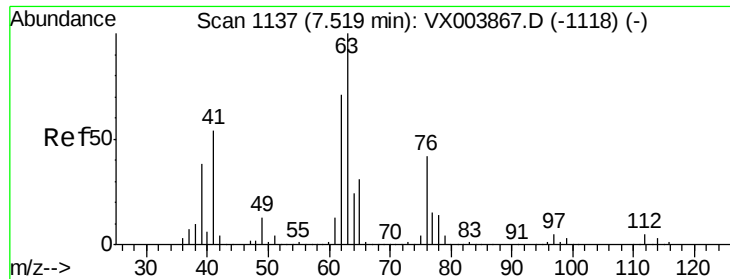


#44

Trichloroethene
 Concen: 48.61 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003965.D
 Acq: 10 Aug 2018 09:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	199.4





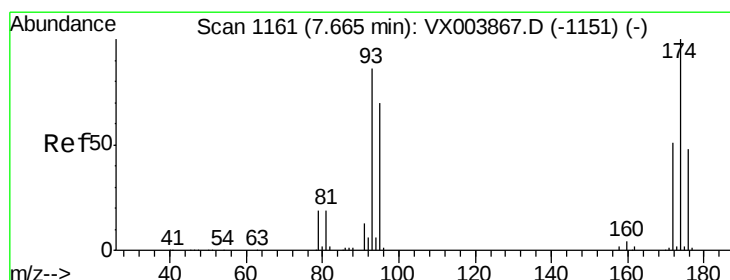
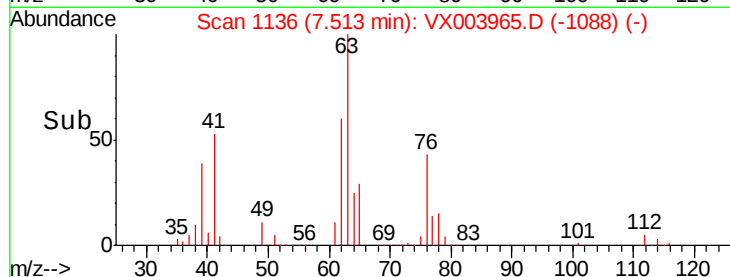
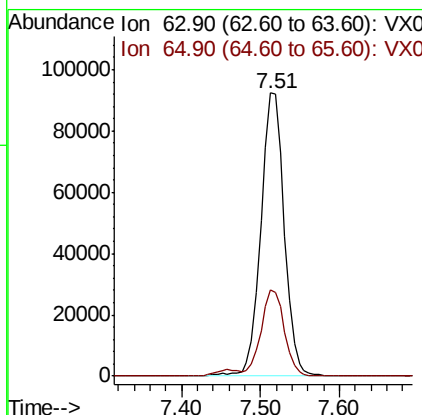
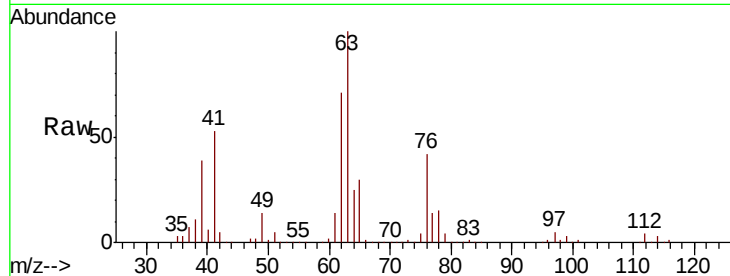
#45
 1,2-Dichloropropane
 Concen: 51.08 ug/l
 RT: 7.51 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: VX003965.D
 Acq: 10 Aug 2018 09:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 190917
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.6 36.8

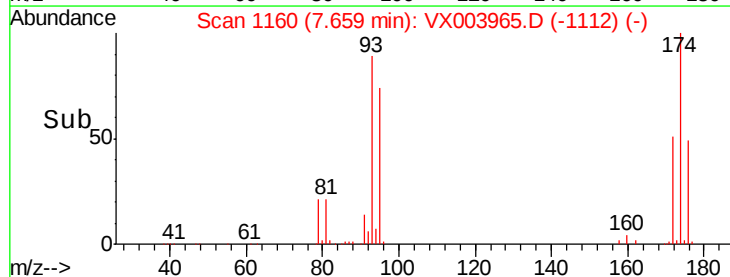
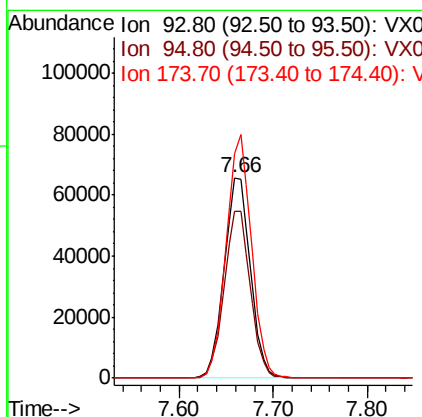
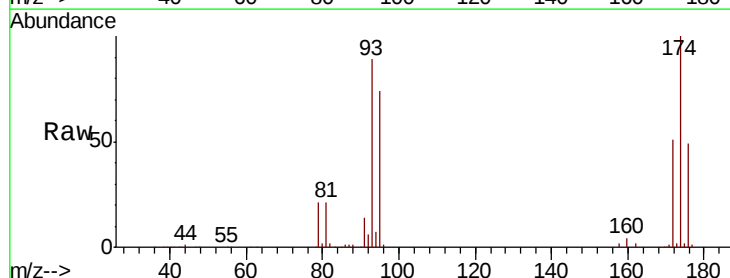
Manual Integrations
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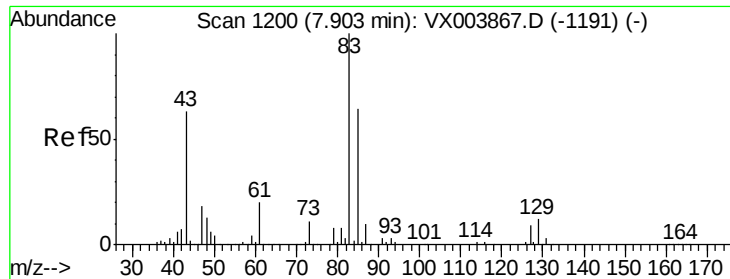
MMDadoda
 8/13/2018 11:01:55 AM



#46
 Dibromomethane
 Concen: 52.20 ug/l
 RT: 7.66 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: VX003965.D
 Acq: 10 Aug 2018 09:41

Tgt Ion: 93 Resp: 126666
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.4 99.6
 174 117.5 94.3 141.5





#47

Bromodichloromethane

Concen: 53.50 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VX003965.D

Acq: 10 Aug 2018 09:41

Instrument :

MSVOA_X

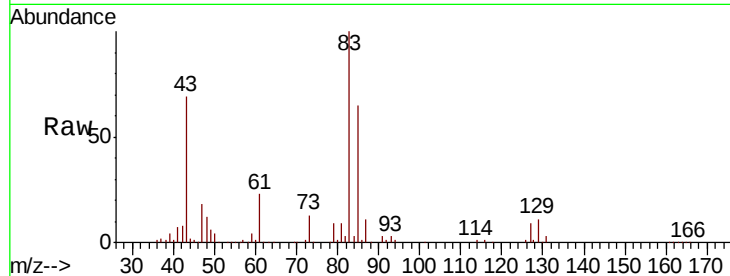
ClientSampleId :

VSTDCCC050

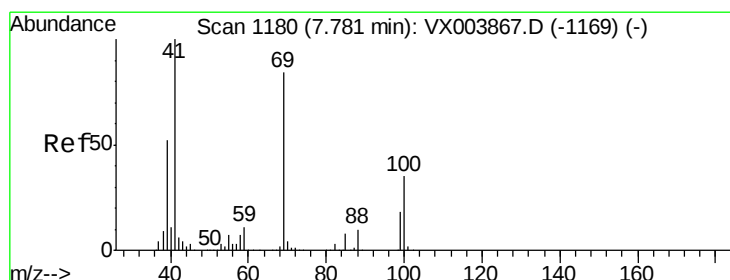
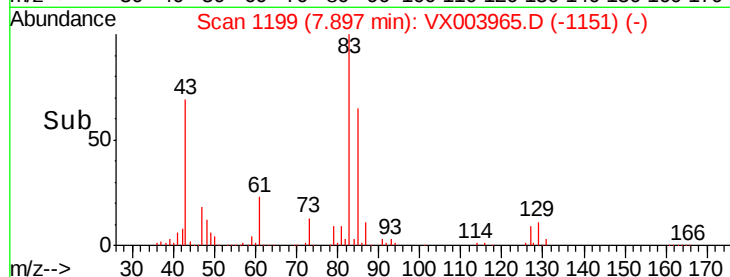
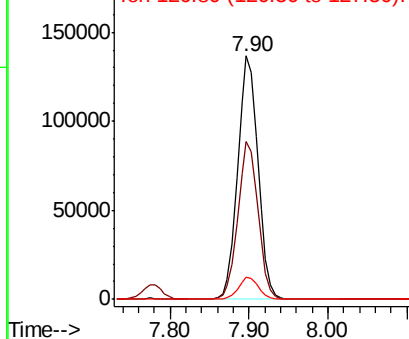
Tot Ion:	83	Resp:	244527
Ion Ratio	Lower	Upper	
83	100		
85	64.7	51.2	76.8
127	8.9	7.2	10.8

Manual Integrations
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8/13/2018 11:01:55 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 53.23 ug/l

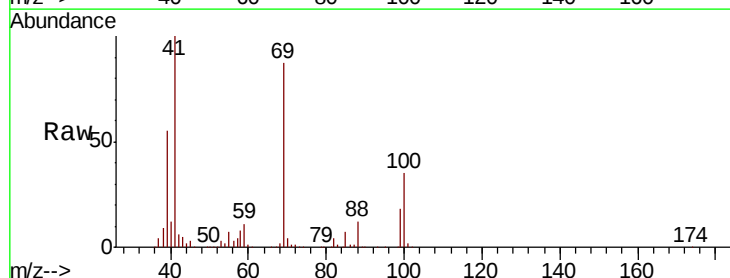
RT: 7.77 min Scan# 1179

Delta R.T. -0.01 min

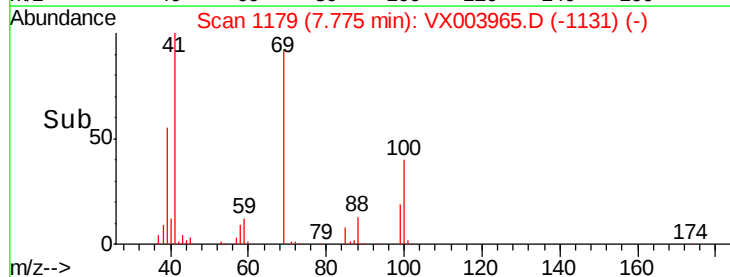
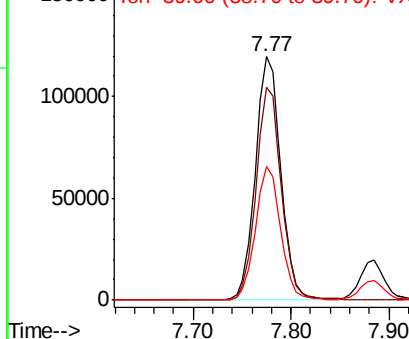
Lab File: VX003965.D

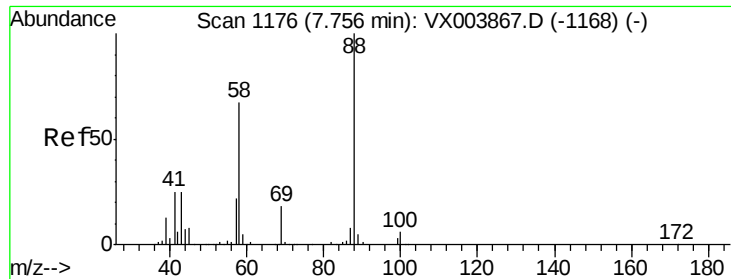
Acq: 10 Aug 2018 09:41

Tgt Ion:	41	Resp:	215892
Ion Ratio	Lower	Upper	
41	100		
69	86.7	68.8	103.2
39	54.3	42.3	63.5



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





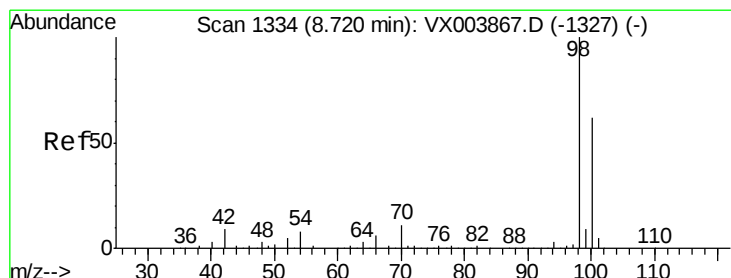
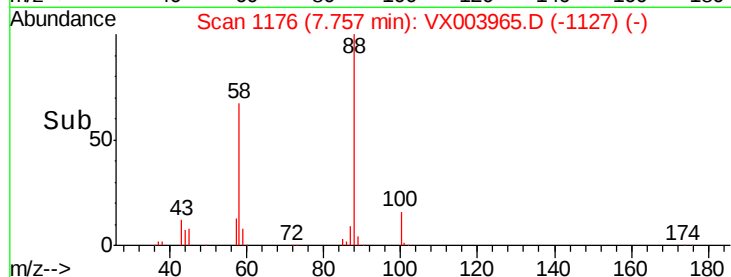
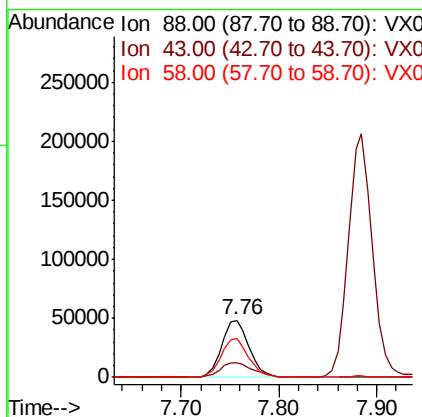
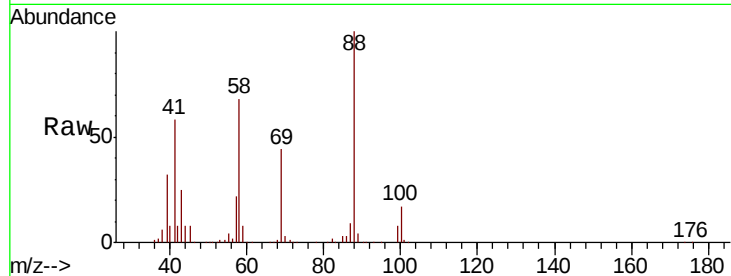
#49
1,4-Dioxane
Concen: 984.35 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.2	23.8	35.8
58	68.4	55.4	83.0

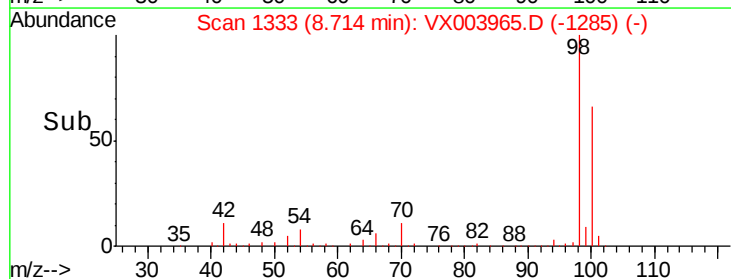
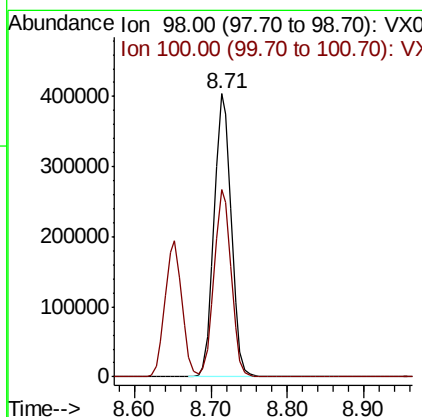
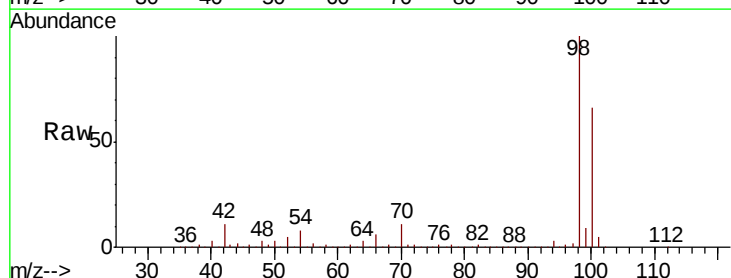
Manual Integrations
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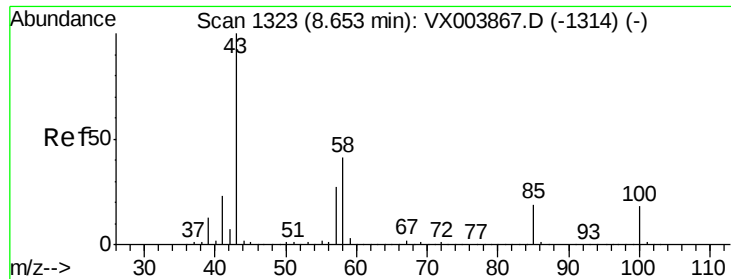
MMDadoda
8/13/2018 11:01:55 AM



#50
Toluene-d8
Concen: 49.50 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 259.85 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003965.D

Acq: 10 Aug 2018 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1718478

Ion Ratio Lower Upper

43 100

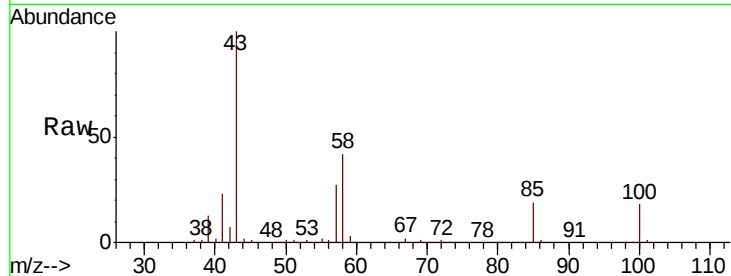
58 41.3 33.0 49.6

Manual Integrations

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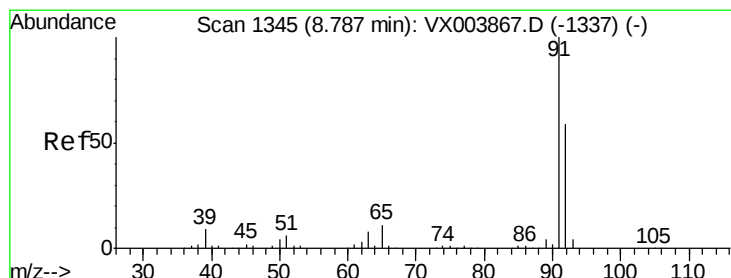
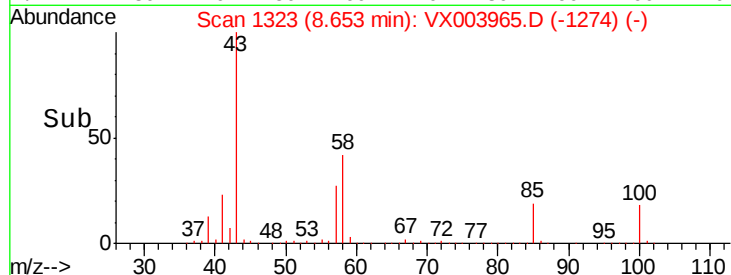
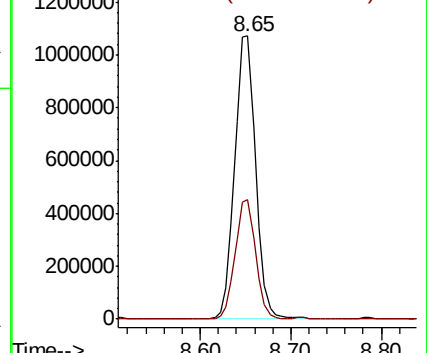
MMDadoda

8/13/2018 11:01:55 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.93 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003965.D

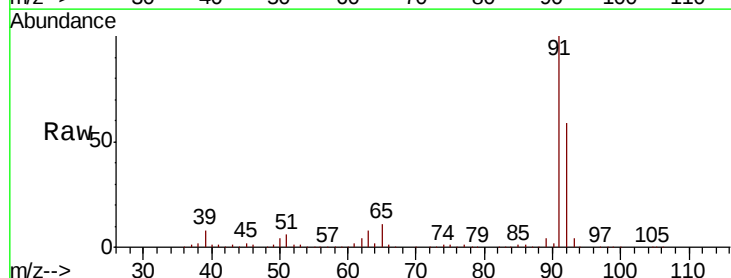
Acq: 10 Aug 2018 09:41

Tgt Ion: 92 Resp: 465749

Ion Ratio Lower Upper

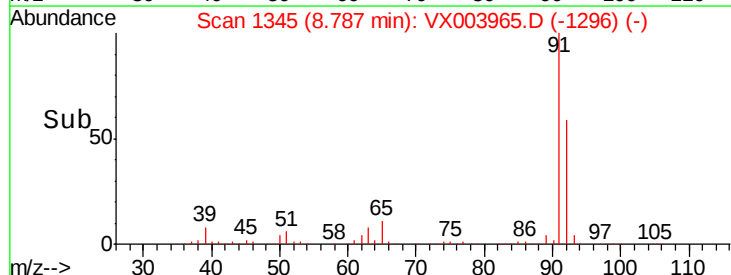
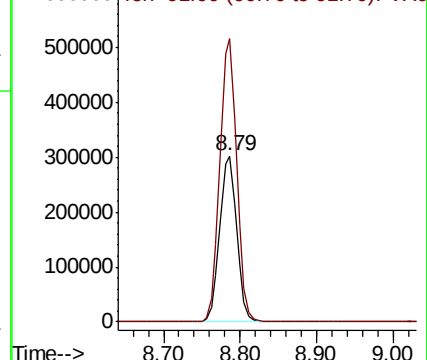
92 100

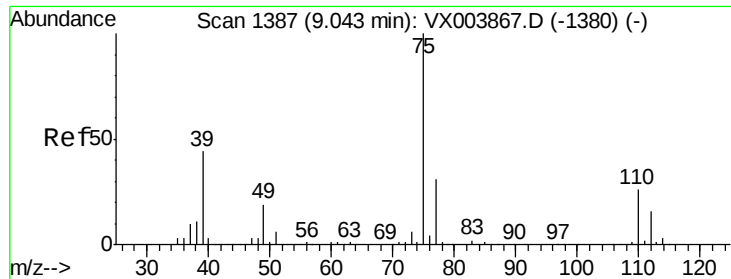
91 169.8 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





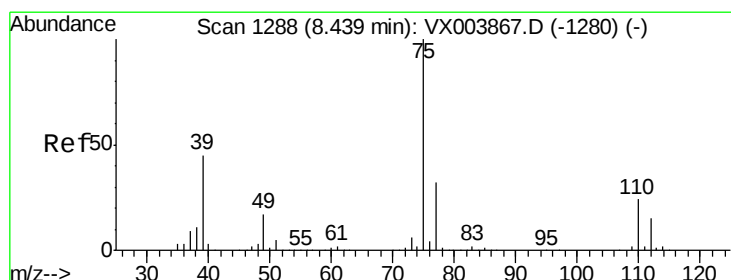
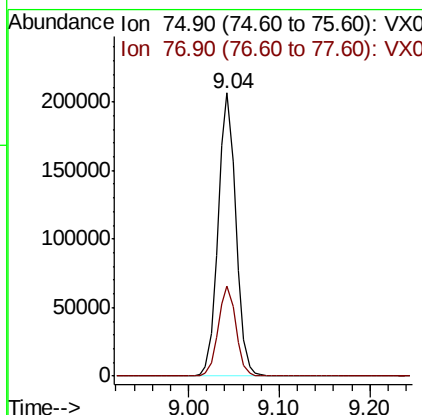
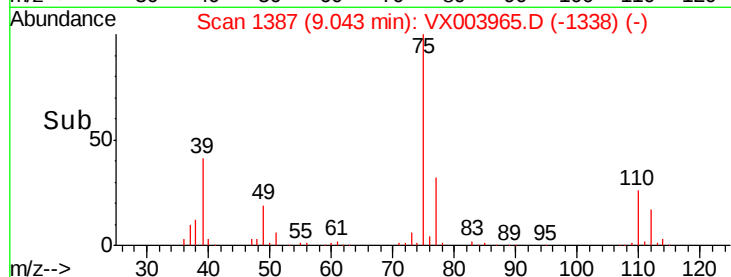
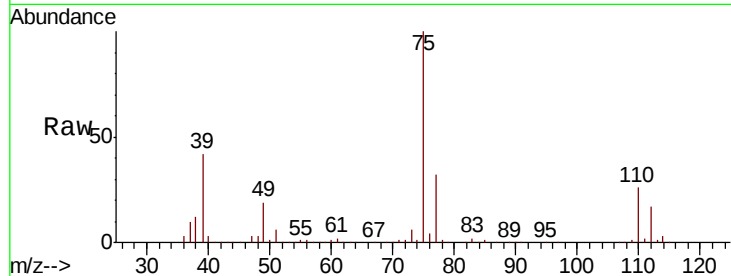
#53
 t-1,3-Dichloropropene
 Concen: 54.75 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX003965.D
 Acq: 10 Aug 2018 09:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 282874
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.1 37.7

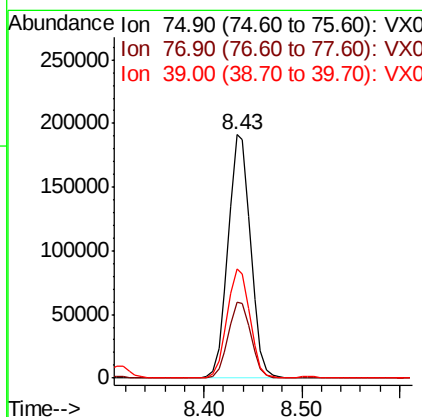
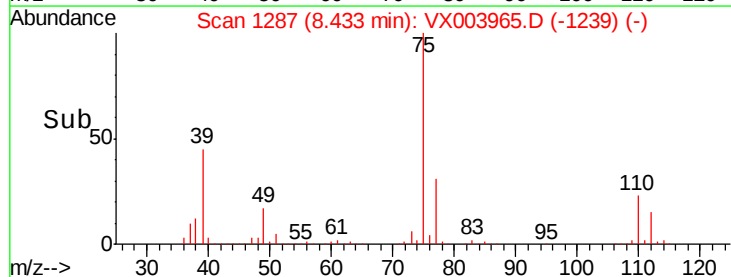
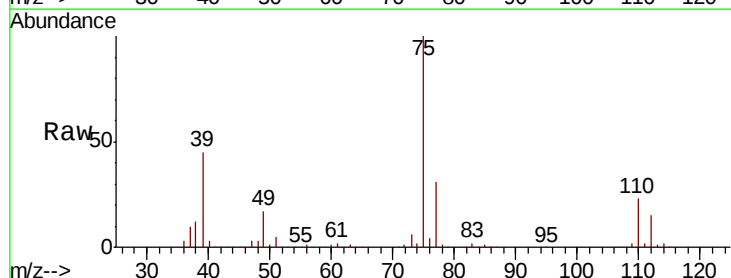
Manual Integrations
 APPROVED

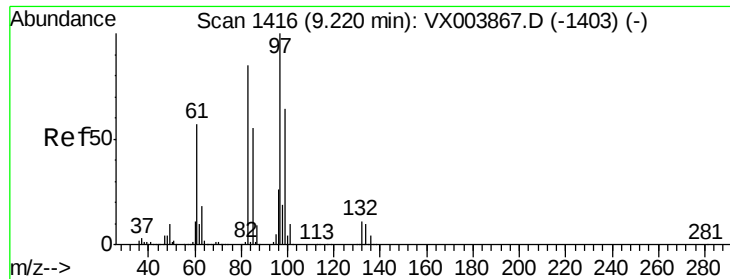
MMDadoda
 8/13/2018 11:01:55 AM



#54
 cis-1,3-Dichloropropene
 Concen: 54.78 ug/l
 RT: 8.43 min Scan# 1287
 Delta R.T. -0.01 min
 Lab File: VX003965.D
 Acq: 10 Aug 2018 09:41

Tgt Ion: 75 Resp: 305177
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.3 37.9
 39 44.8 36.2 54.2





#55

1,1,2-Trichloroethane

Concen: 53.19 ug/l

RT: 9.21 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VX003965.D

Acq: 10 Aug 2018 09:41

Instrument :

MSVOA_X

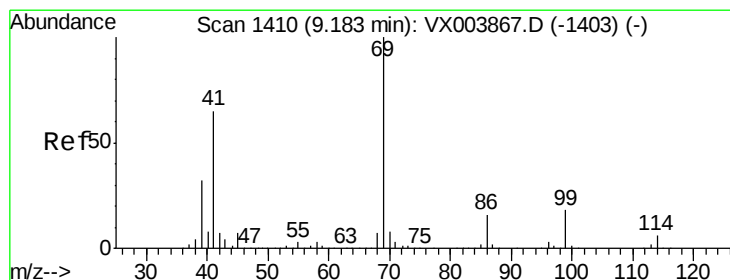
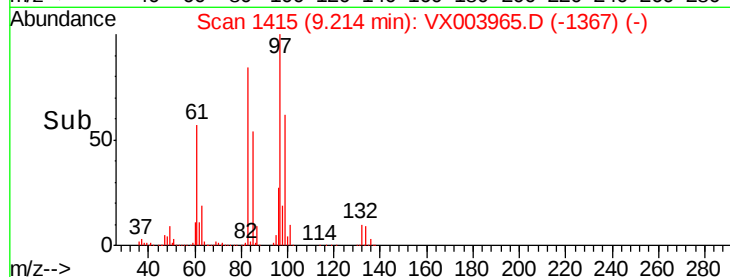
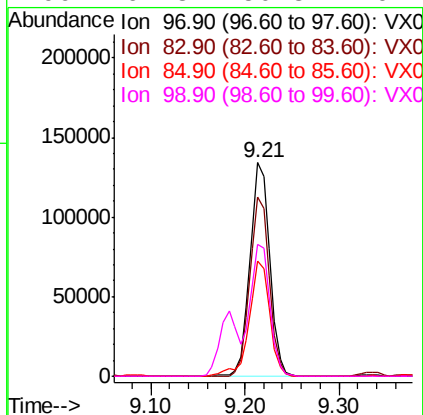
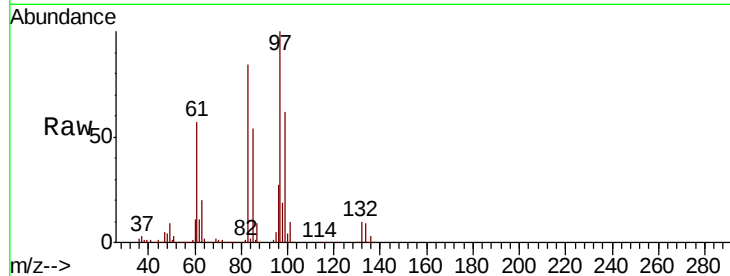
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		198771		
83	84.0	67.8	101.6		
85	54.1	44.2	66.2		
99	61.8	50.8	76.2		

Manual Integrations
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8/13/2018 11:01:55 AM



#56

Ethyl methacrylate

Concen: 55.16 ug/l

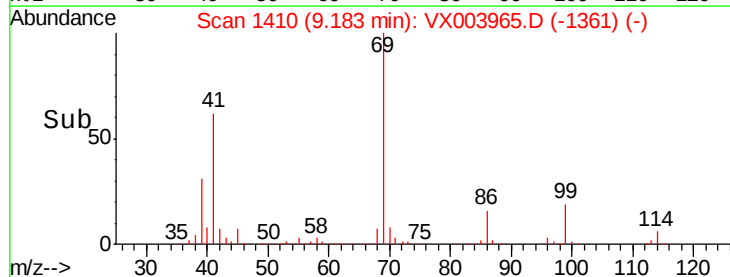
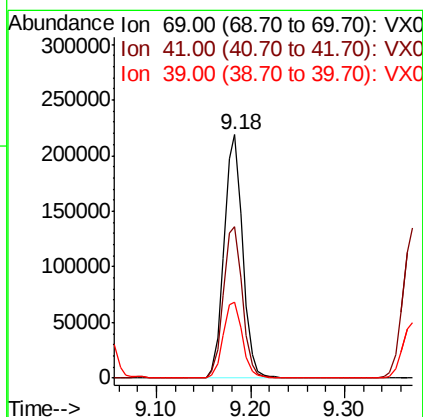
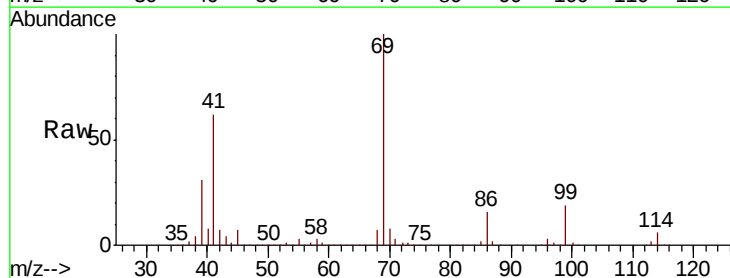
RT: 9.18 min Scan# 1410

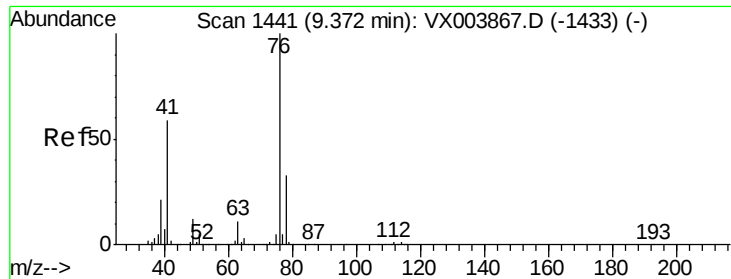
Delta R.T. 0.00 min

Lab File: VX003965.D

Acq: 10 Aug 2018 09:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		299051		
41	64.0	50.6	76.0		
39	32.3	25.8	38.6		





#57

1,3-Dichloropropane

Concen: 53.39 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VX003965.D

Acq: 10 Aug 2018 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 333939

Ion Ratio Lower Upper

76 100

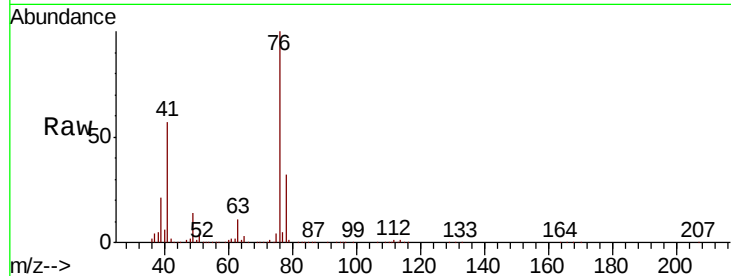
78 31.6 25.9 38.9

Manual Integrations

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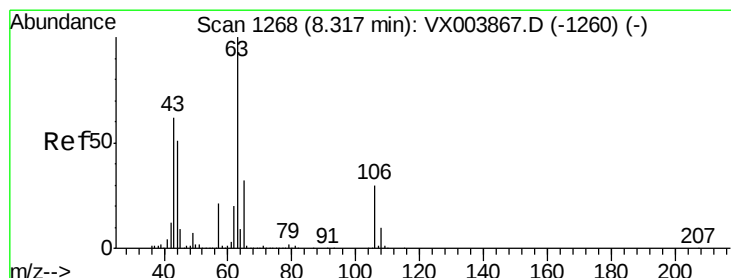
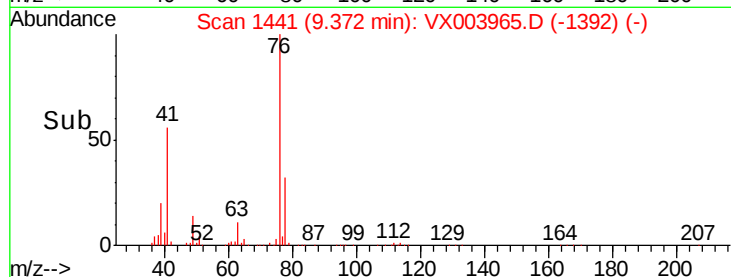
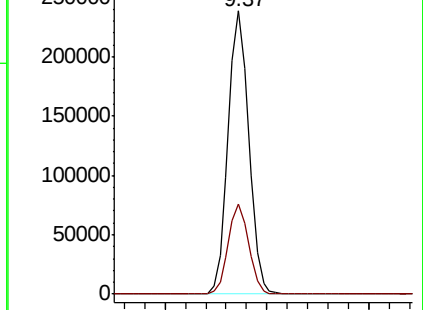
MMDadoda

8/13/2018 11:01:55 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 273.79 ug/l

RT: 8.31 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VX003965.D

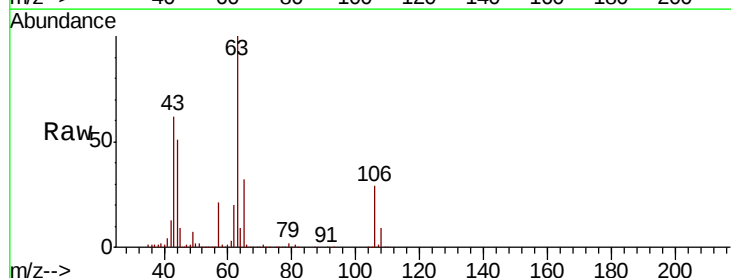
Acq: 10 Aug 2018 09:41

Tgt Ion: 63 Resp: 729936

Ion Ratio Lower Upper

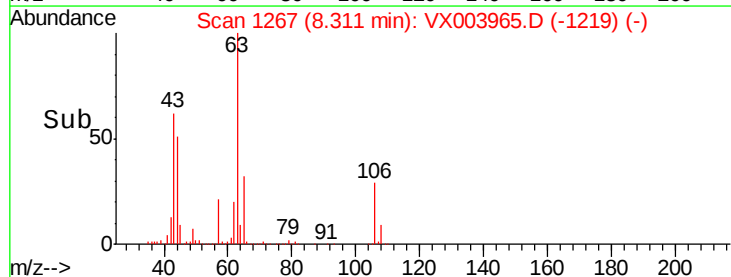
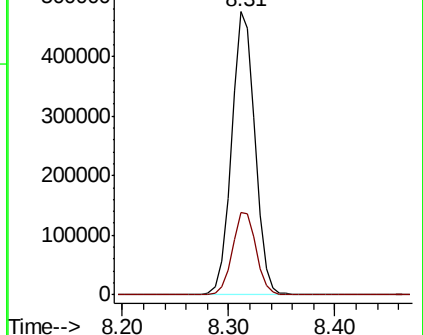
63 100

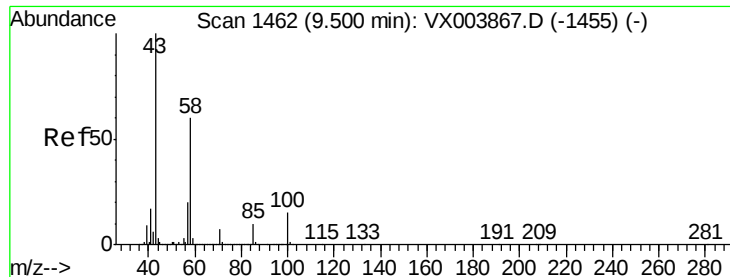
106 29.8 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





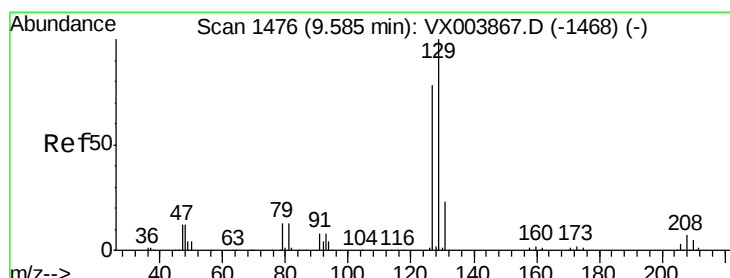
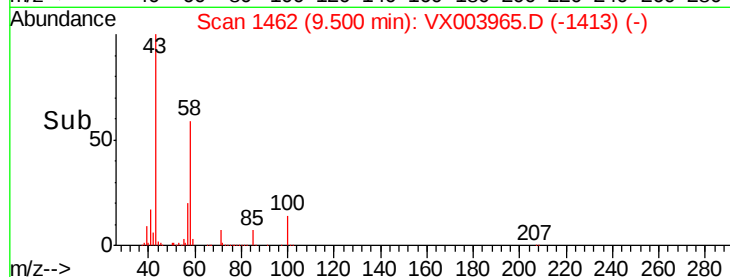
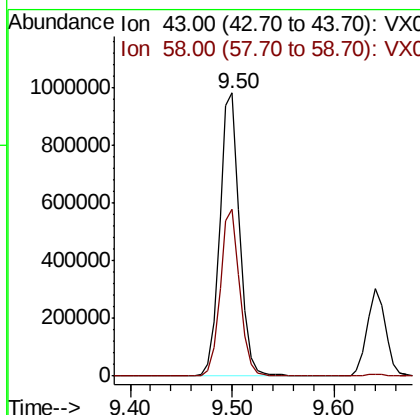
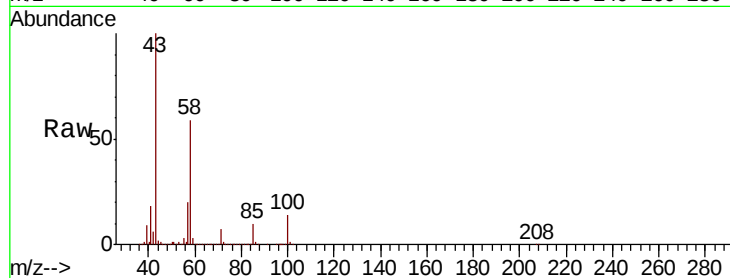
#59
2-Hexanone
Concen: 269.14 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 1330489
Ion Ratio Lower Upper
43 100
58 58.0 29.0 87.0

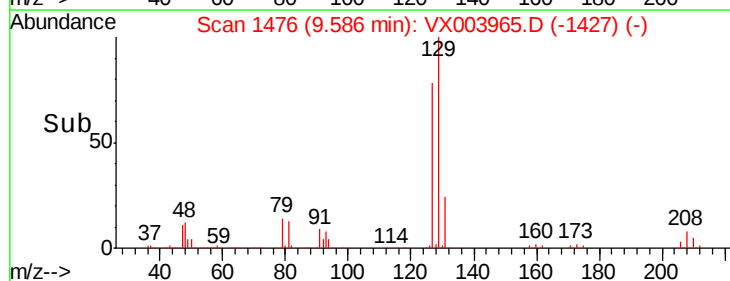
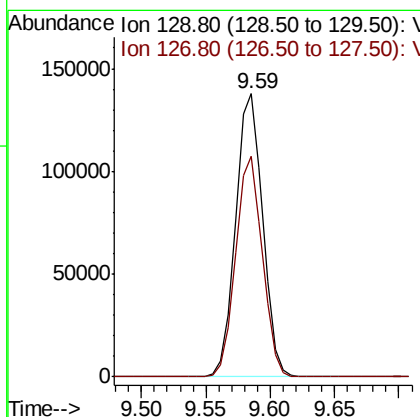
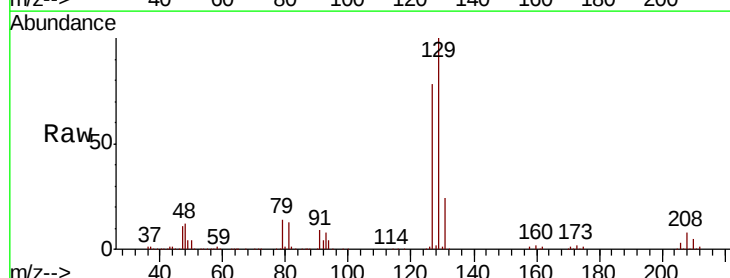
Manual Integrations
APPROVED

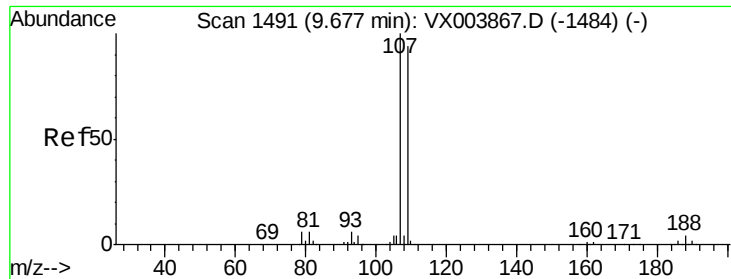
MMDadoda
8/13/2018 11:01:55 AM



#60
Dibromochloromethane
Concen: 57.55 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Tgt Ion: 129 Resp: 200509
Ion Ratio Lower Upper
129 100
127 77.1 38.8 116.3





#61

1,2-Dibromoethane

Concen: 54.75 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX003965.D

Acq: 10 Aug 2018 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 204862

Ion Ratio Lower Upper

107 100

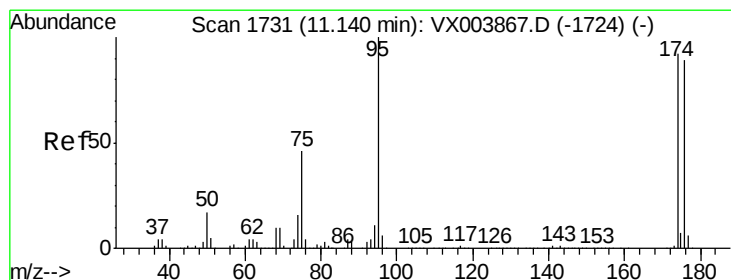
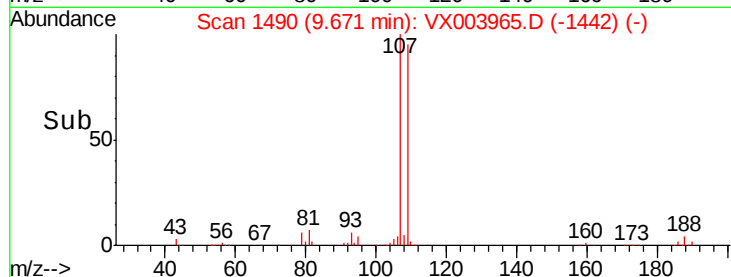
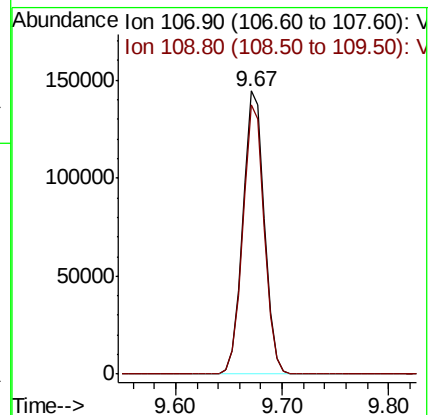
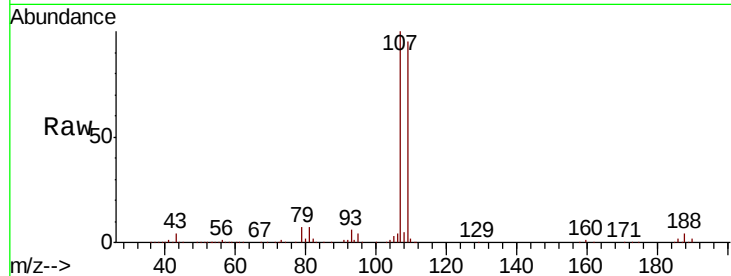
109 94.8 75.8 113.8

Manual Integrations

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8/13/2018 11:01:55 AM



#62

4-Bromofluorobenzene

Concen: 55.38 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003965.D

Acq: 10 Aug 2018 09:41

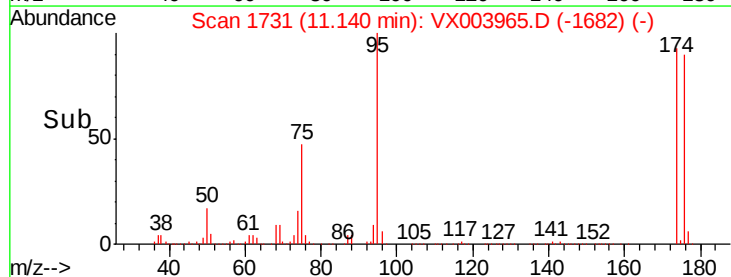
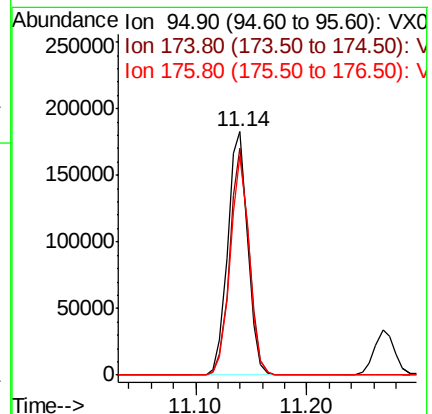
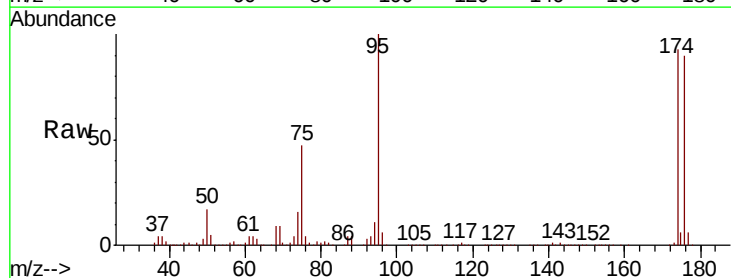
Tgt Ion: 95 Resp: 227181

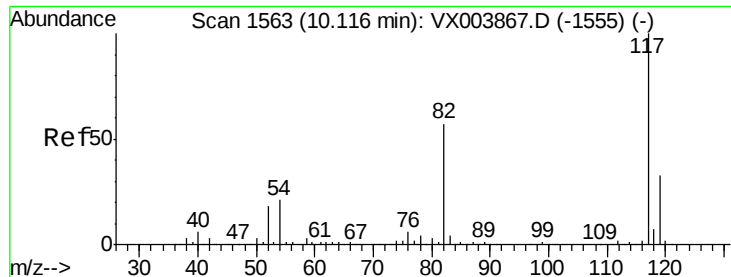
Ion Ratio Lower Upper

95 100

174 89.2 0.0 182.8

176 85.4 0.0 179.0





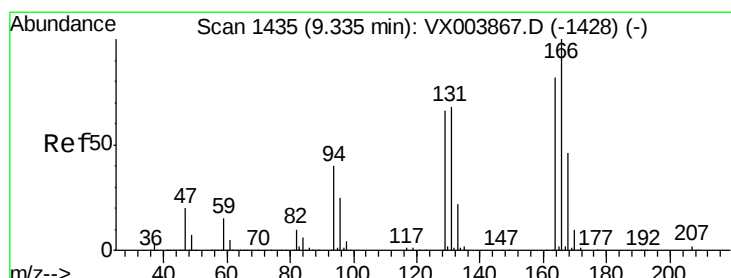
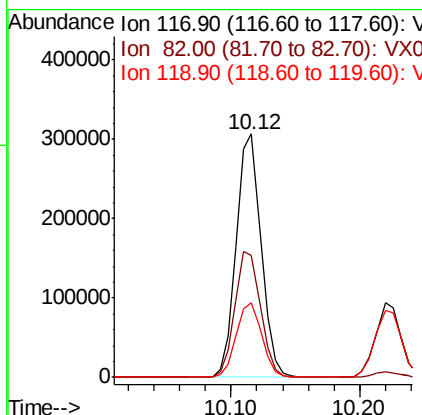
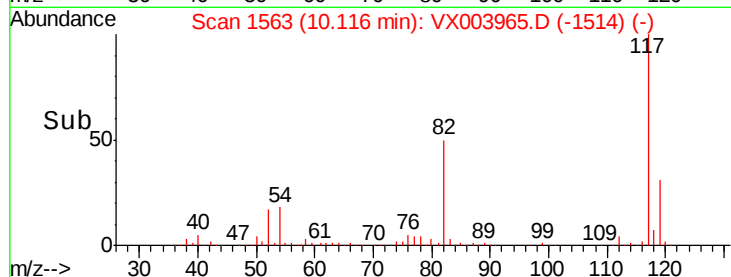
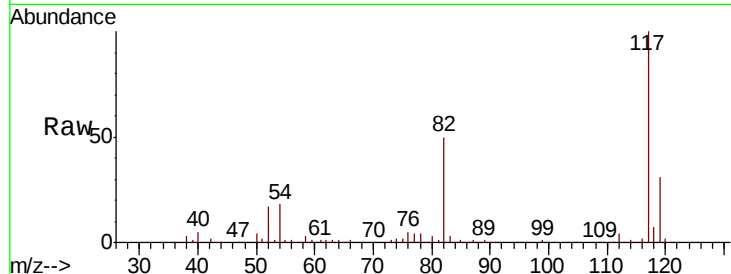
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.3	45.4	68.0
119	30.5	26.6	40.0

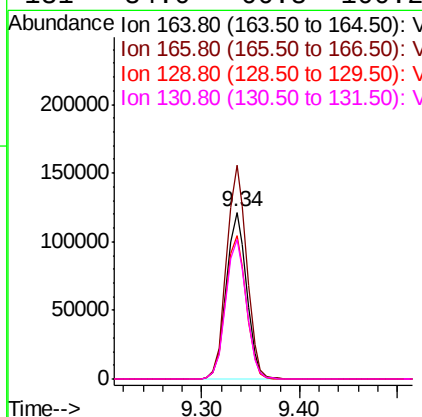
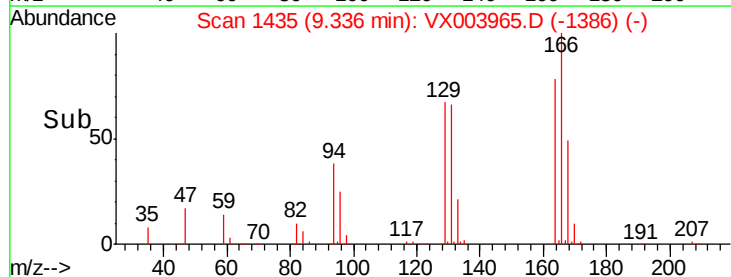
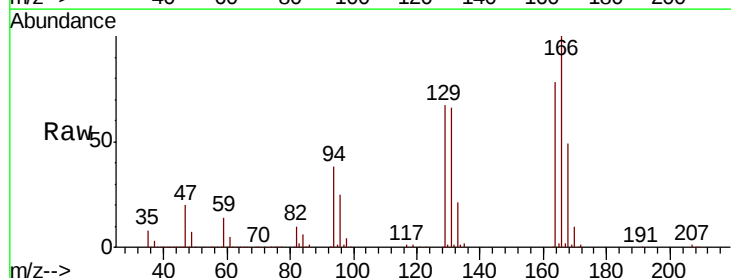
Manual Integrations
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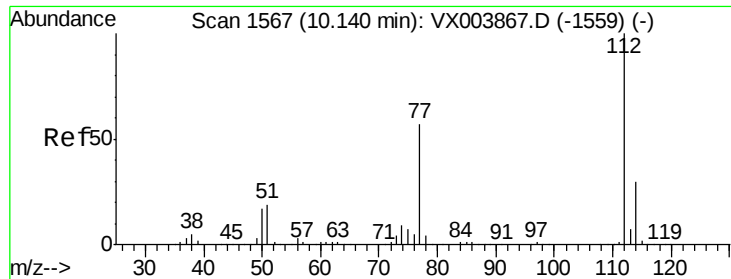
MMDadoda
8/13/2018 11:01:55 AM



#64
Tetrachloroethene
Concen: 43.11 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	98.0	147.0
129	86.2	64.3	96.5
131	84.0	66.8	100.2





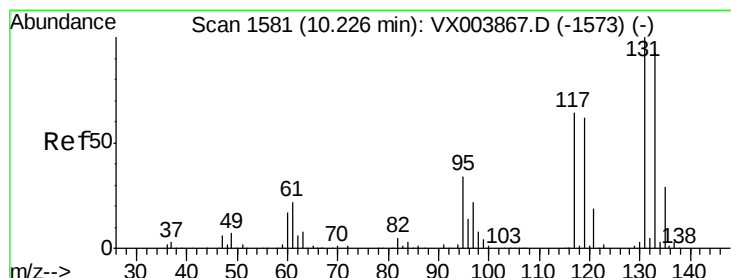
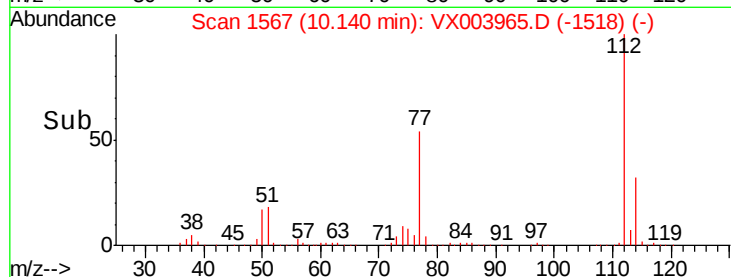
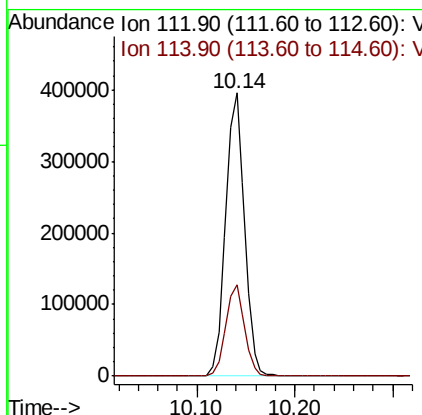
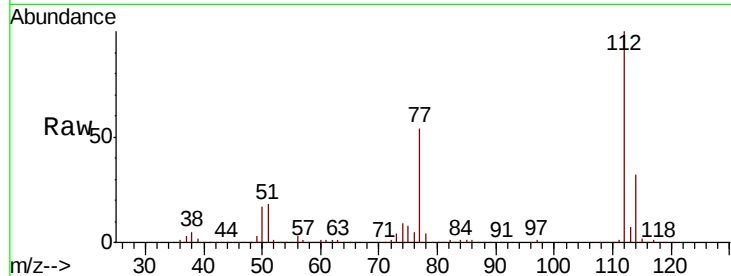
#65
Chlorobenzene
Concen: 49.22 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 529186
Ion Ratio Lower Upper
112 100
114 32.4 23.6 35.4

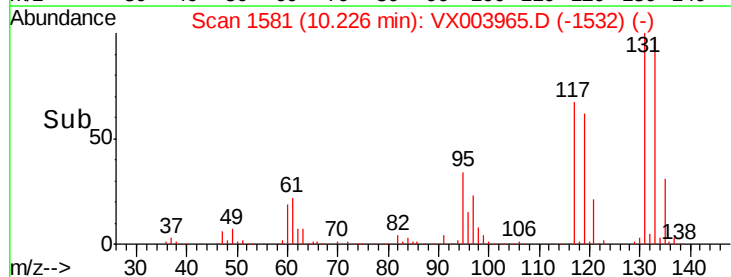
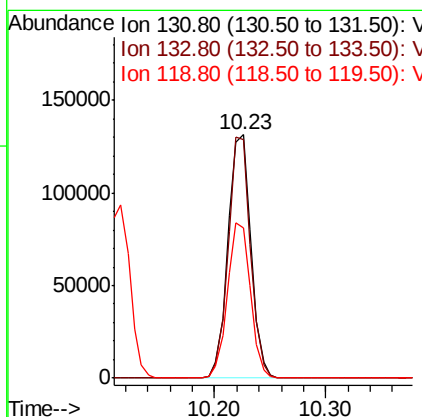
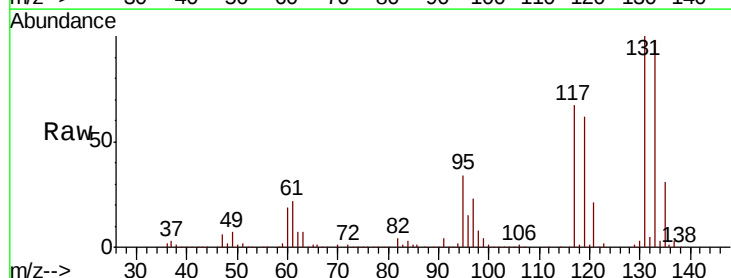
Manual Integrations
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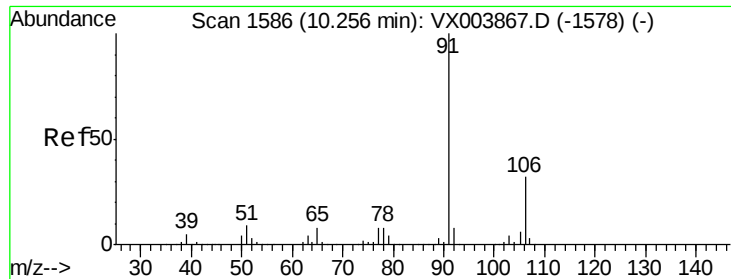
MMDadoda
8/13/2018 11:01:55 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.53 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Tgt Ion:131 Resp: 186785
Ion Ratio Lower Upper
131 100
133 96.3 47.3 141.8
119 64.1 31.6 94.8





#67

Ethyl Benzene

Concen: 48.93 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX003965.D

Acq: 10 Aug 2018 09:41

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 861221

Ion Ratio Lower Upper

91 100

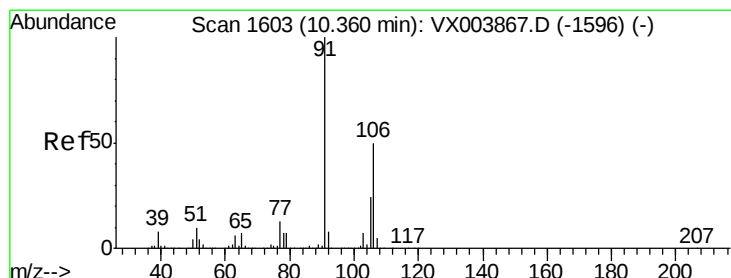
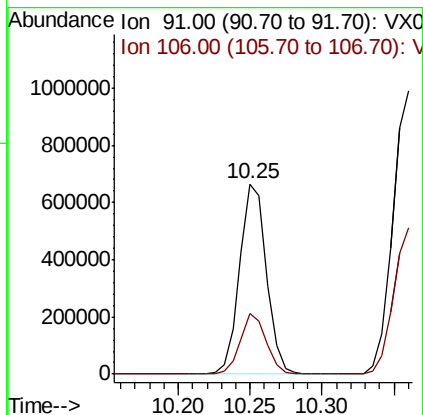
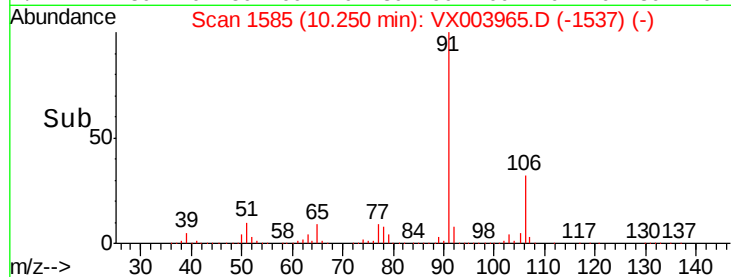
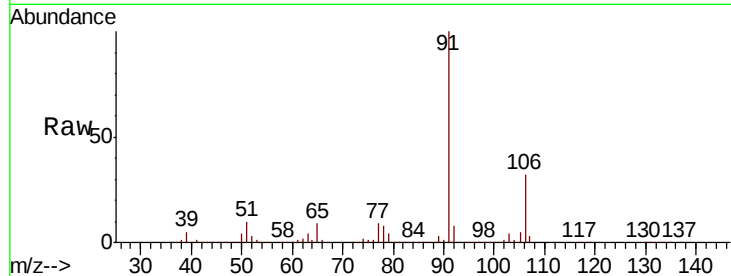
106 31.8 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

8/13/2018 11:01:55 AM



#68

m/p-Xylenes

Concen: 97.15 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003965.D

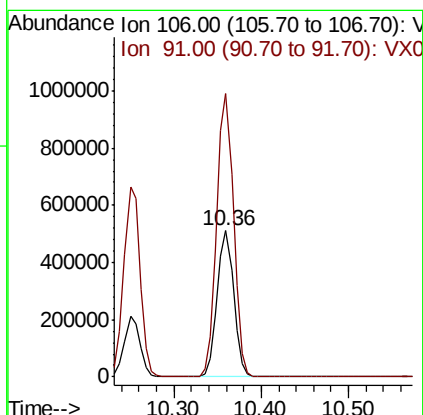
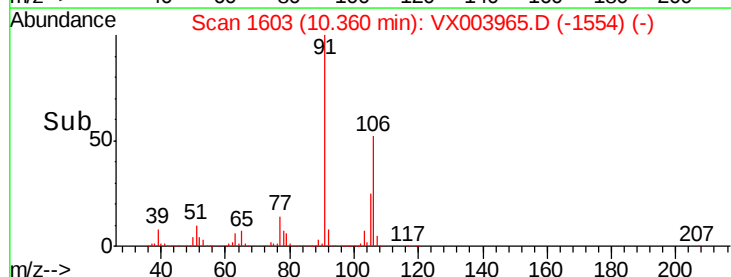
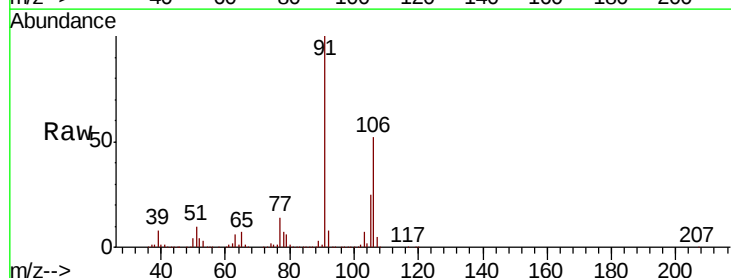
Acq: 10 Aug 2018 09:41

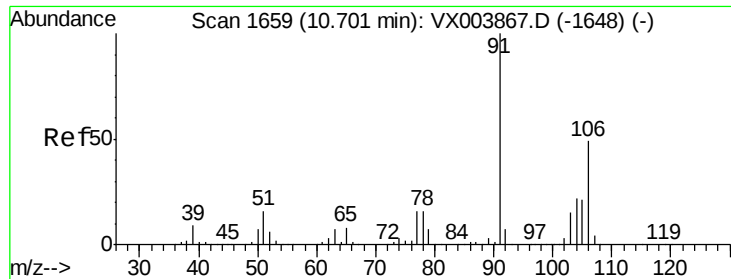
Tgt Ion: 106 Resp: 668187

Ion Ratio Lower Upper

106 100

91 197.2 162.3 243.5





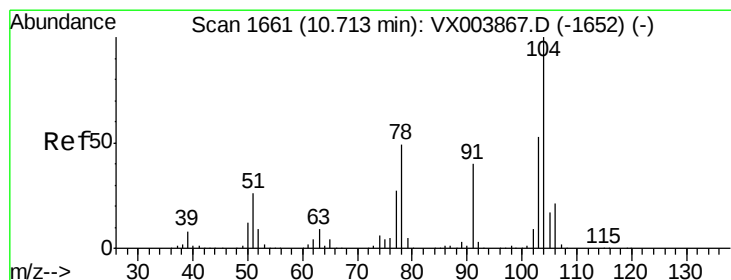
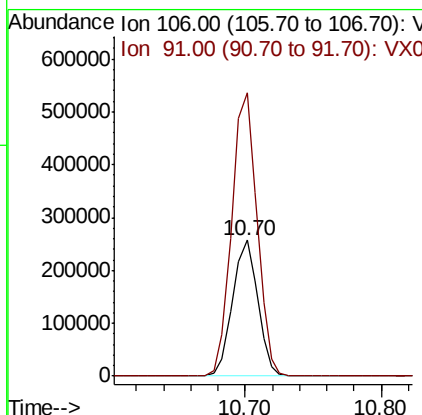
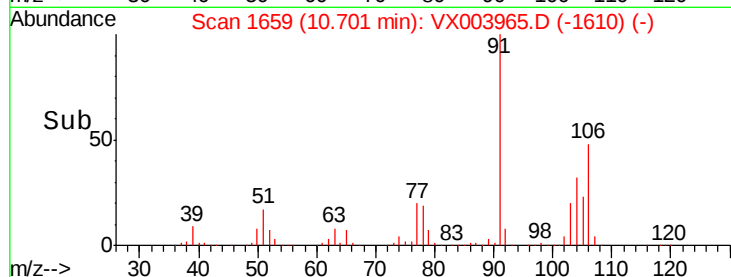
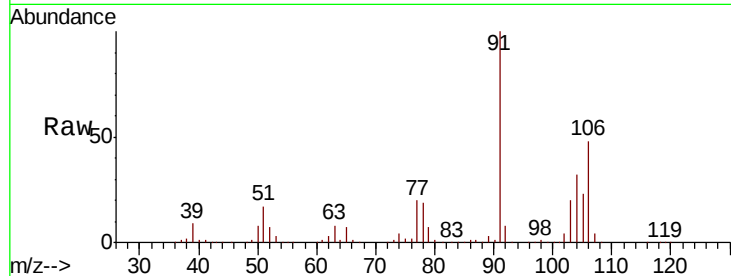
#69
o-Xylene
Concen: 51.18 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.5	101.9	305.7

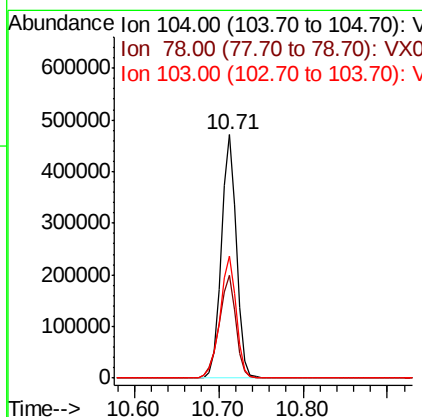
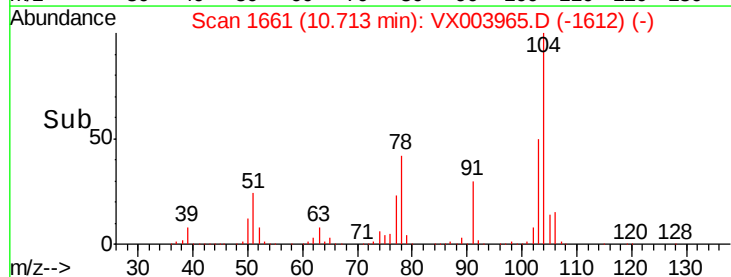
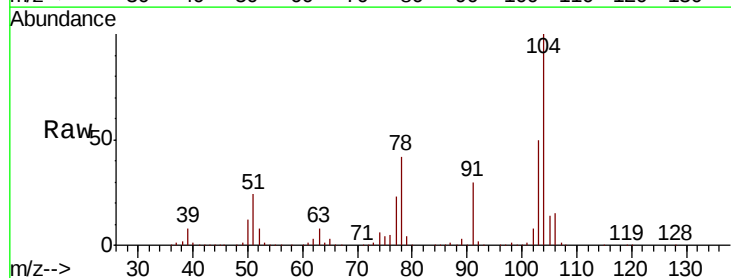
Manual Integrations
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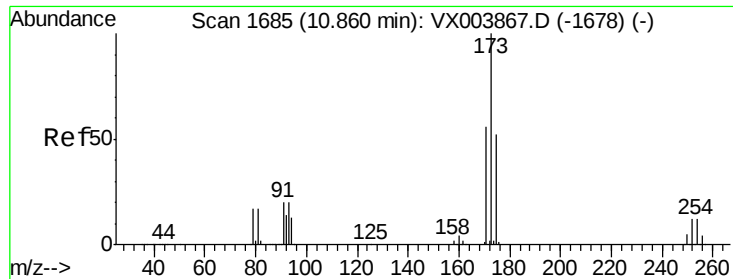
MMDadoda
8/13/2018 11:01:55 AM



#70
Styrene
Concen: 55.22 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.6	39.8	59.6
103	53.8	44.3	66.5





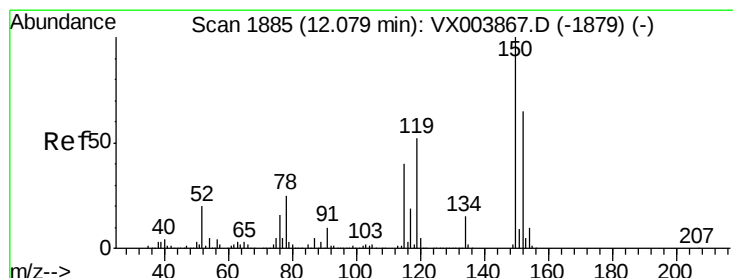
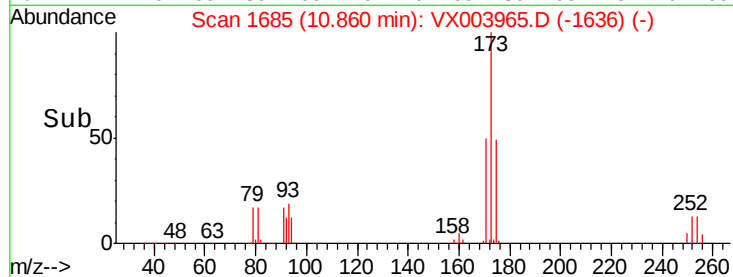
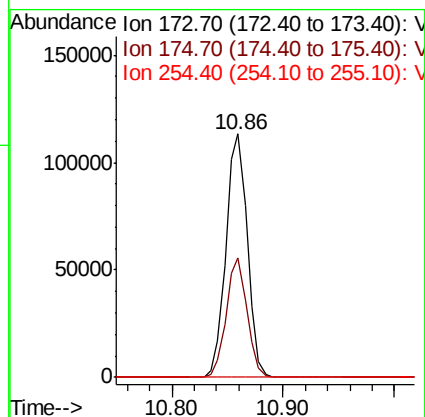
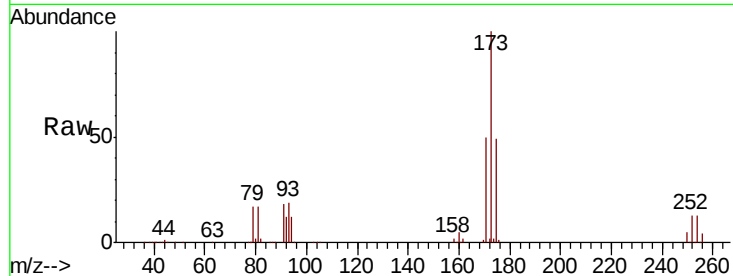
#71
Bromoform
Concen: 48.06 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.9	74.7
254	0.1	0.2	0.2

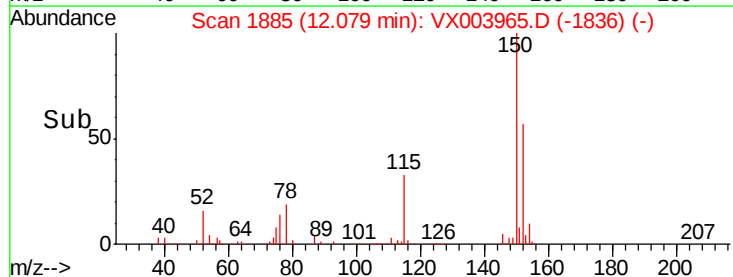
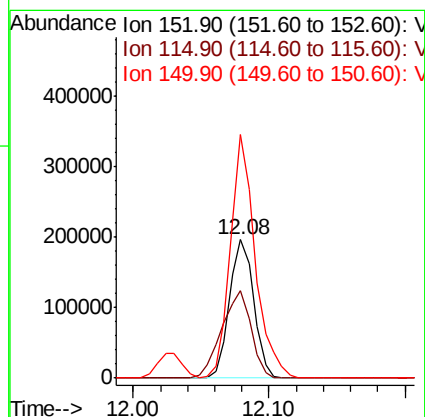
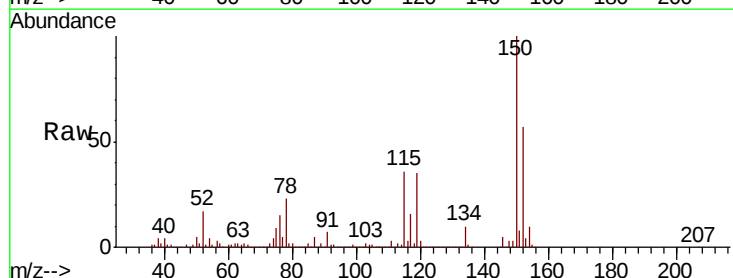
Manual Integrations
APPROVED

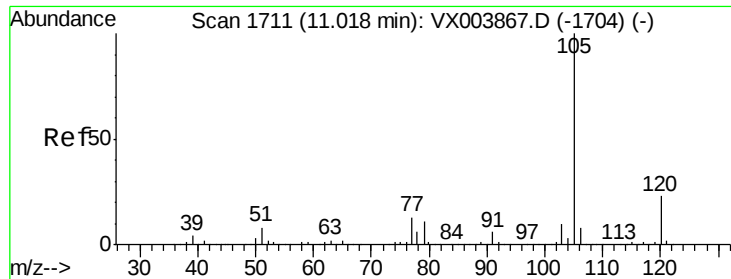
MMDadoda
8/13/2018 11:01:55 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	76.6	39.1	117.3
150	180.2	0.0	349.2





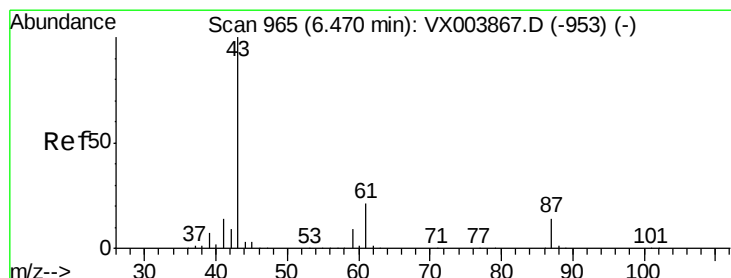
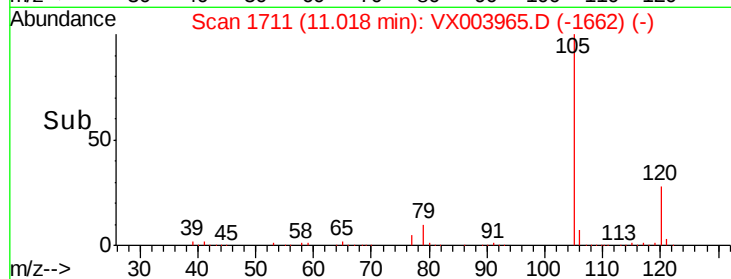
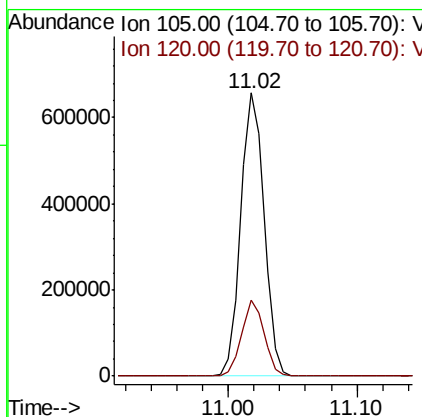
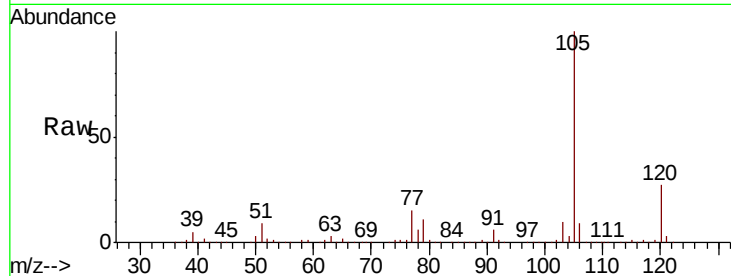
#73
Isopropylbenzene
Concen: 45.85 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.6	37.8

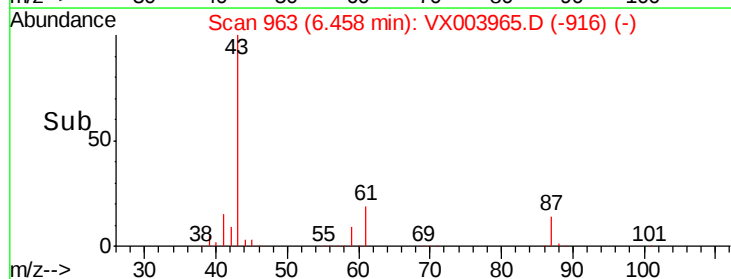
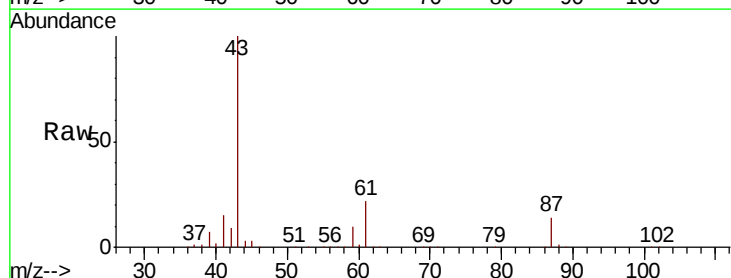
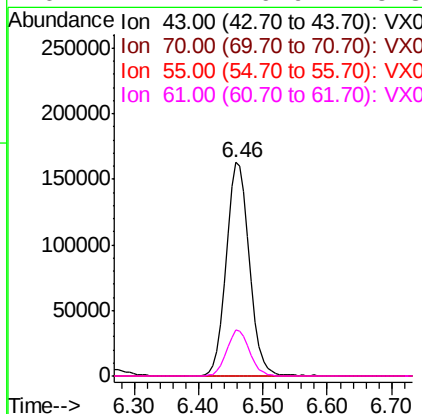
Manual Integrations
APPROVED

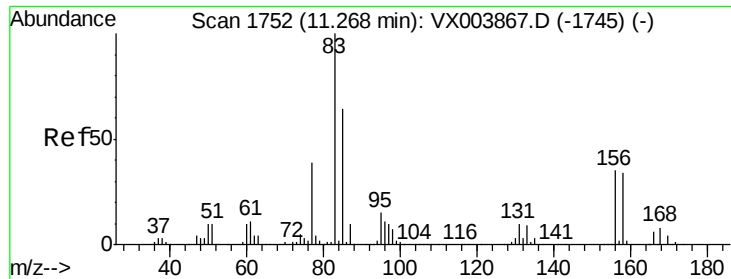
MMDadoda
8/13/2018 11:01:55 AM



#74
N-ethyl acetate
Concen: 44.08 ug/l
RT: 6.46 min Scan# 963
Delta R.T. -0.01 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0#
55	0.1	0.1	0.1
61	21.4	16.9	25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 46.75 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003965.D

Acq: 10 Aug 2018 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 287988

Ion Ratio Lower Upper

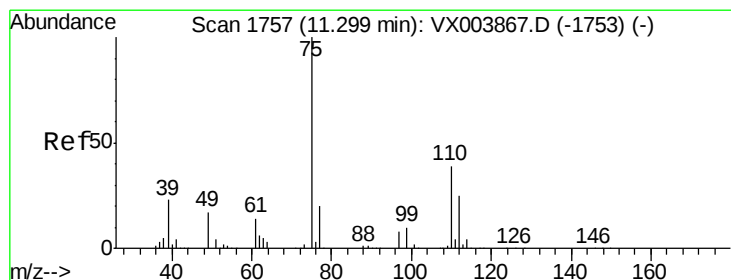
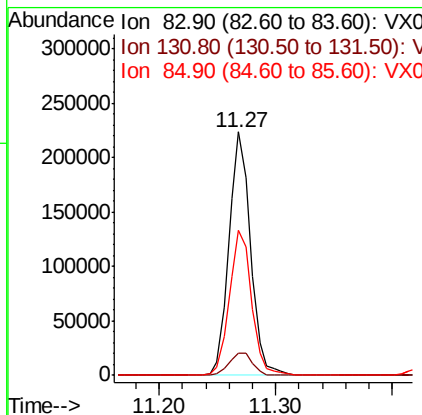
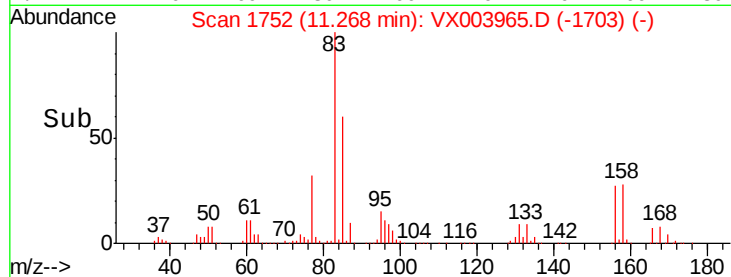
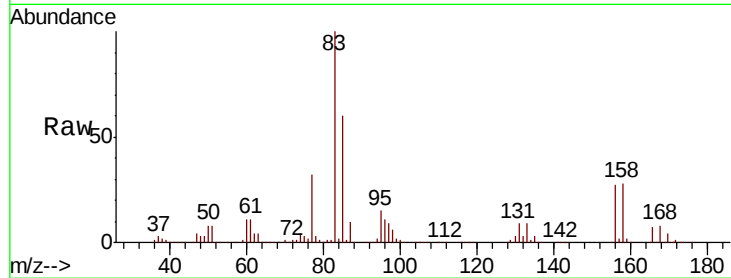
83 100

131 9.9 5.2 15.6

85 61.4 32.2 96.6

Manual Integrations
APPROVED

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#76

1,2,3-Trichloropropane

Concen: 47.36 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003965.D

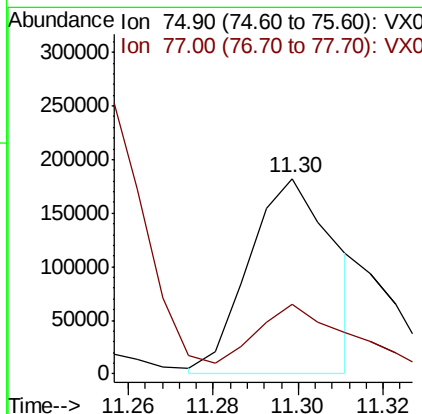
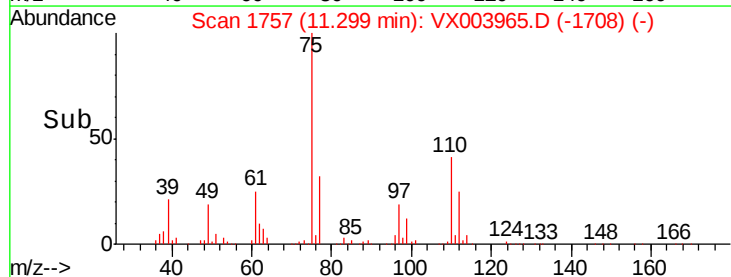
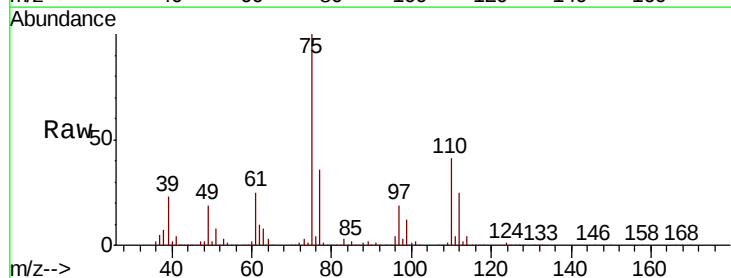
Acq: 10 Aug 2018 09:41

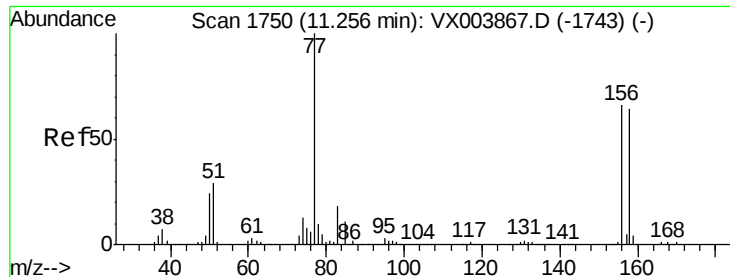
Tgt Ion: 75 Resp: 254163

Ion Ratio Lower Upper

75 100

77 41.0 20.8 62.5





#77

Bromobenzene

Concen: 46.07 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003965.D

Acq: 10 Aug 2018 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 220875

Ion Ratio Lower Upper

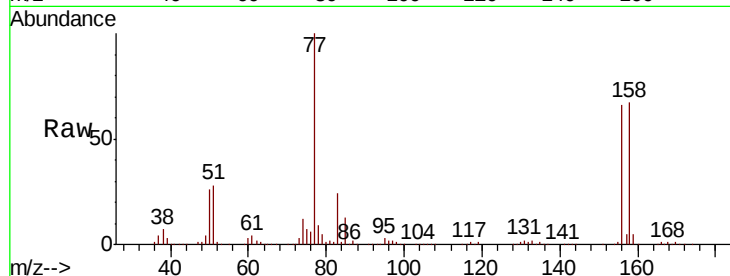
156 100

77 148.7 74.1 222.2

158 98.5 48.6 145.9

Manual Integrations
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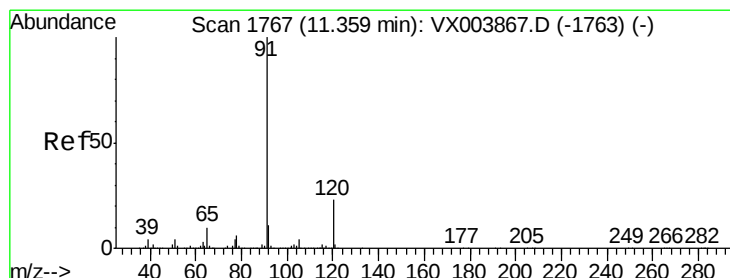
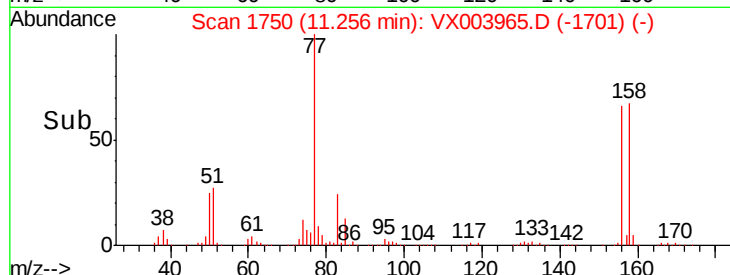
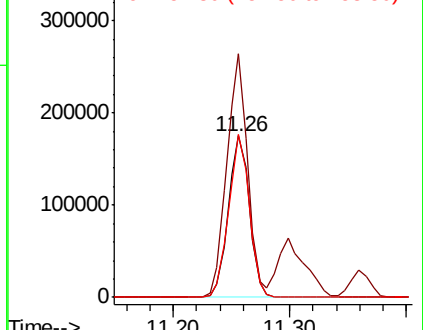
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 44.34 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003965.D

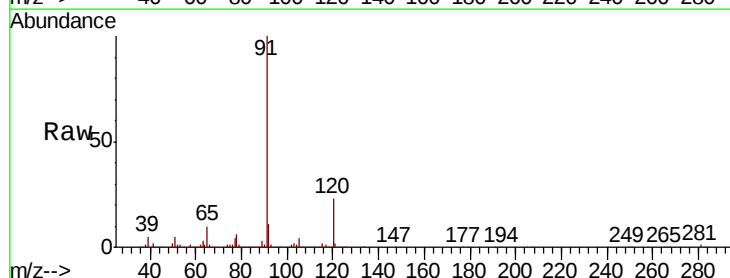
Acq: 10 Aug 2018 09:41

Tgt Ion: 91 Resp: 894777

Ion Ratio Lower Upper

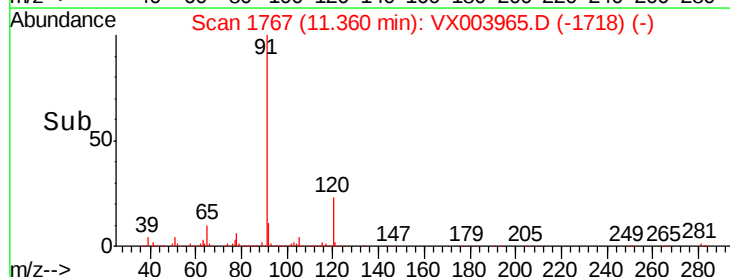
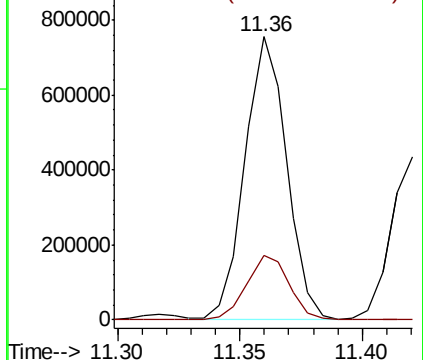
91 100

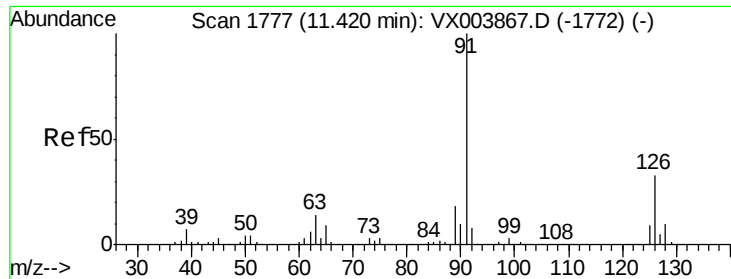
120 23.4 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.43 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003965.D

Acq: 10 Aug 2018 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 559019

Ion Ratio Lower Upper

91 100

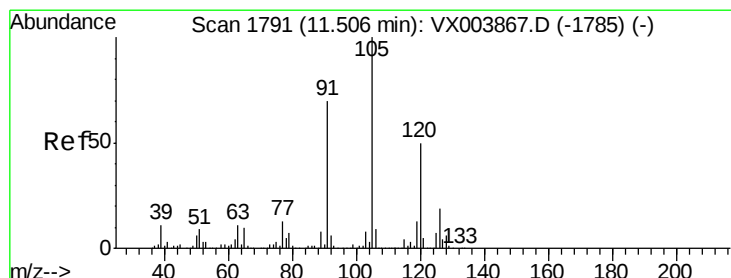
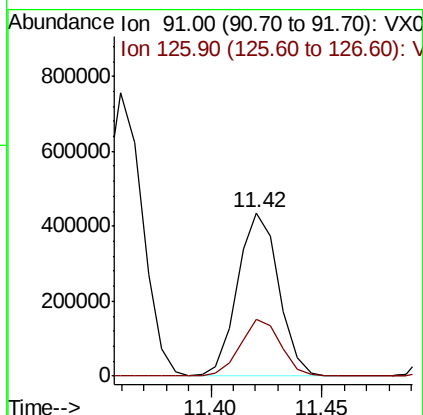
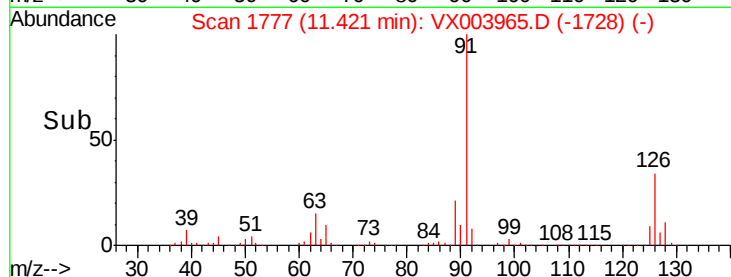
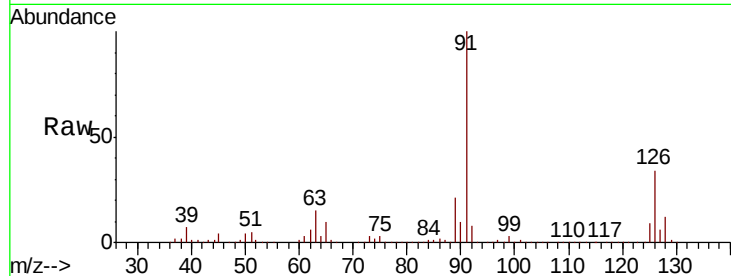
126 34.2 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 45.37 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003965.D

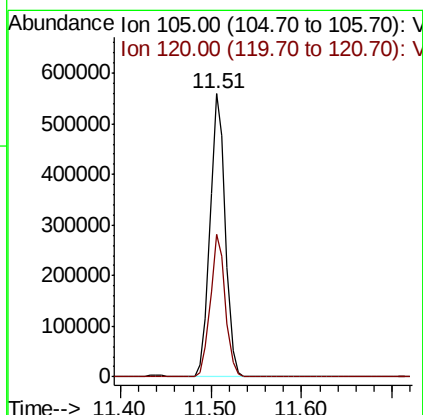
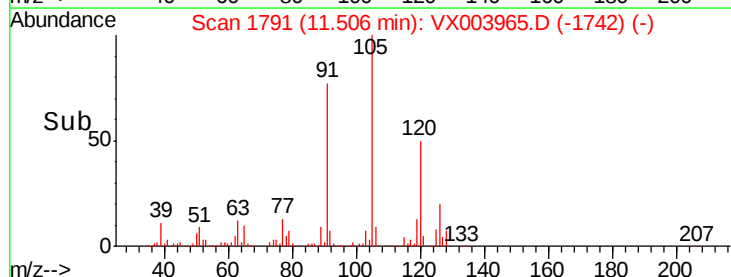
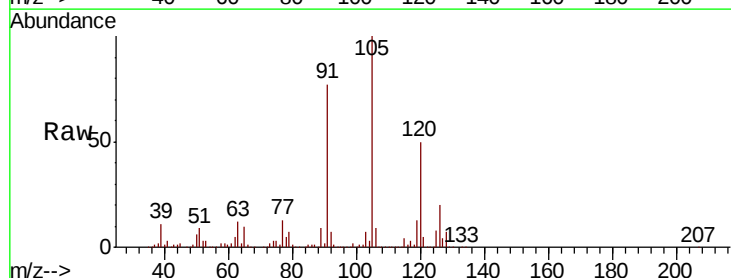
Acq: 10 Aug 2018 09:41

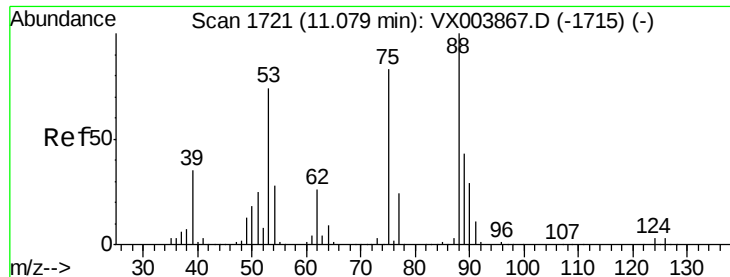
Tgt Ion: 105 Resp: 664886

Ion Ratio Lower Upper

105 100

120 49.5 25.4 76.2





#81

trans-1,4-Dichloro-2-butene

Concen: 43.43 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.01 min

Lab File: VX003965.D

Acq: 10 Aug 2018 09:41

Instrument :

MSVOA_X

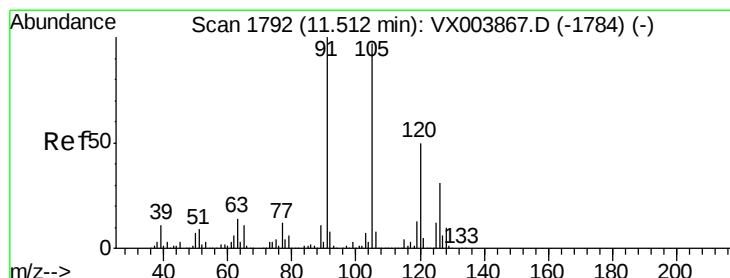
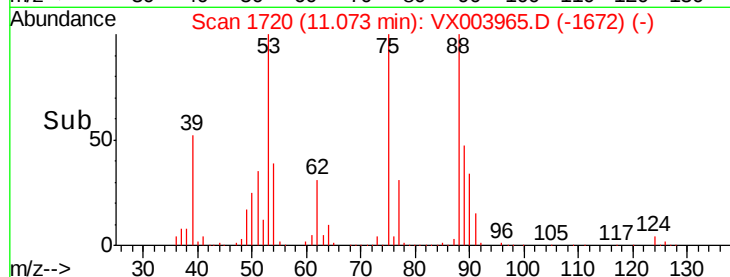
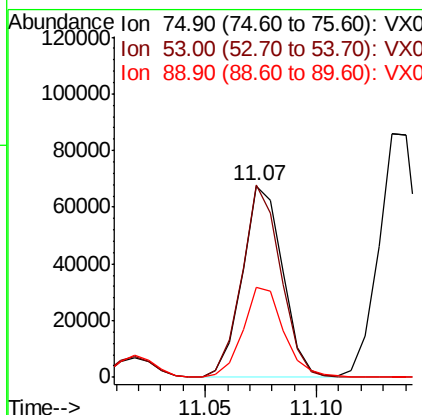
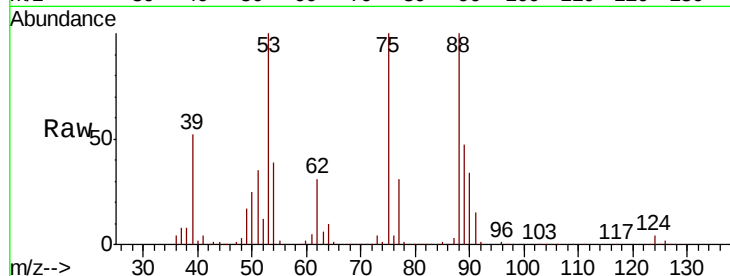
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	85063
Ion Ratio	Lower	Upper	
75	100		
53	97.5	80.3	120.5
89	47.9	37.8	56.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 46.61 ug/l

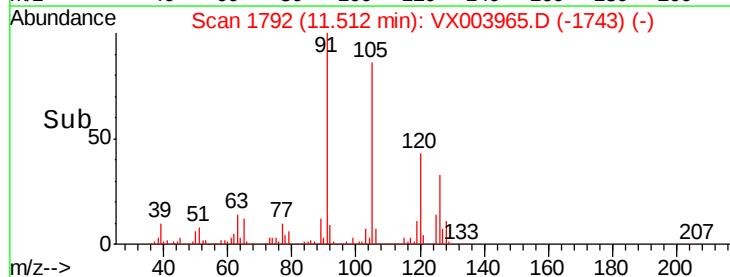
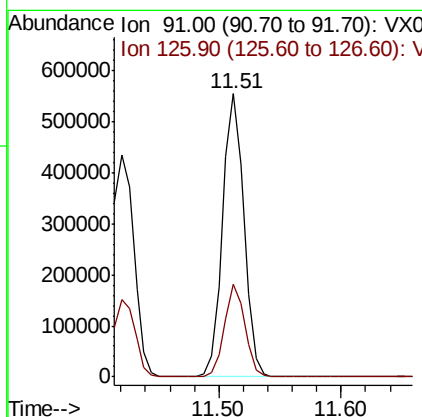
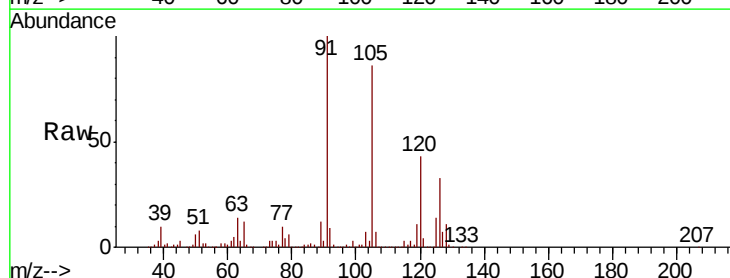
RT: 11.51 min Scan# 1792

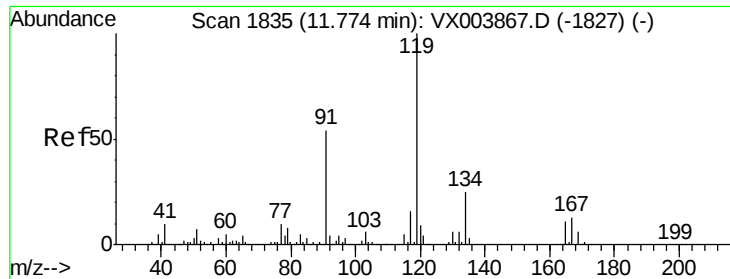
Delta R.T. 0.00 min

Lab File: VX003965.D

Acq: 10 Aug 2018 09:41

Tgt Ion:	91	Resp:	671916
Ion Ratio	Lower	Upper	
91	100		
126	31.1	15.6	46.7





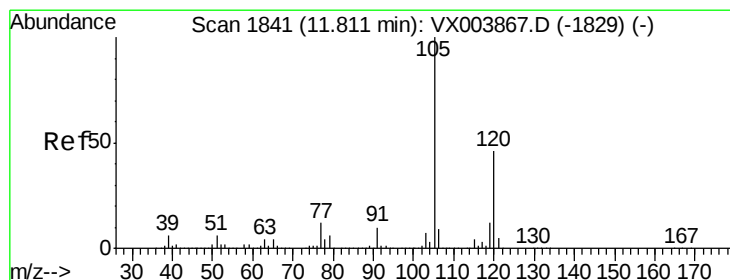
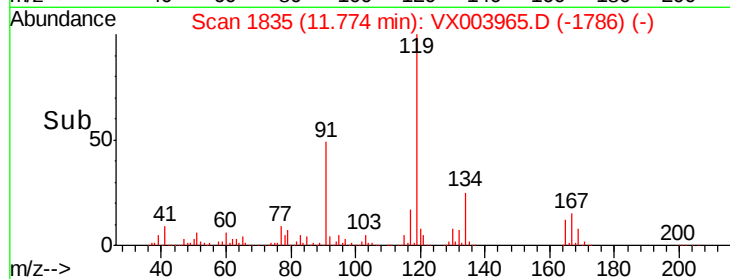
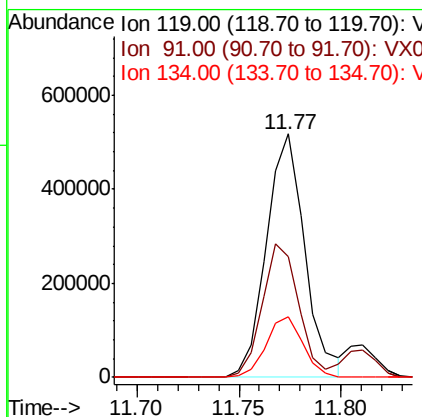
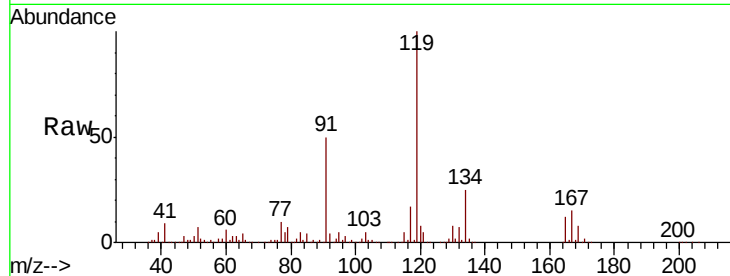
#83
tert-Butylbenzene
Concen: 47.22 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	52.3	26.9	80.7
134	23.8	12.0	36.0

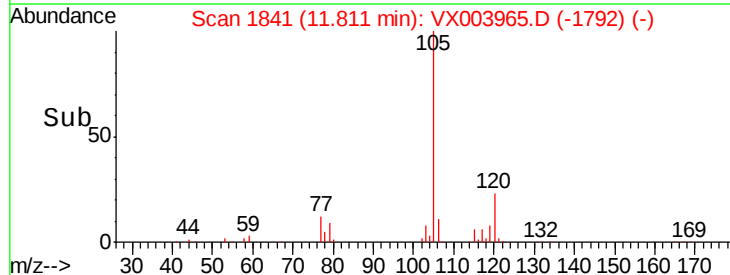
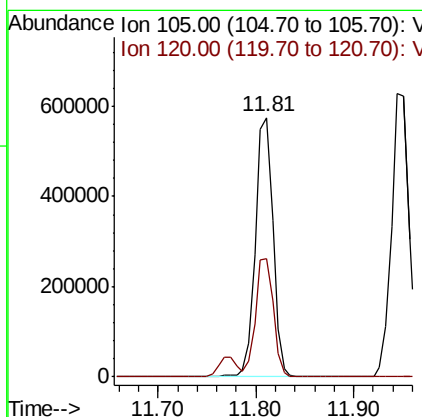
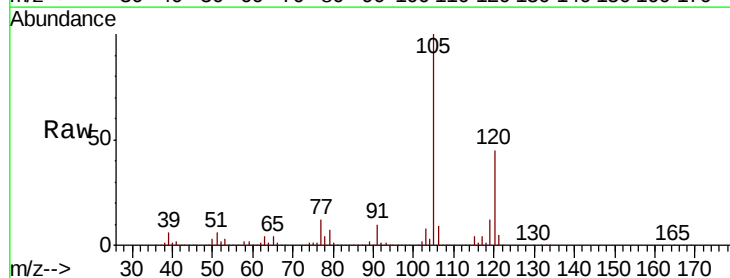
Manual Integrations
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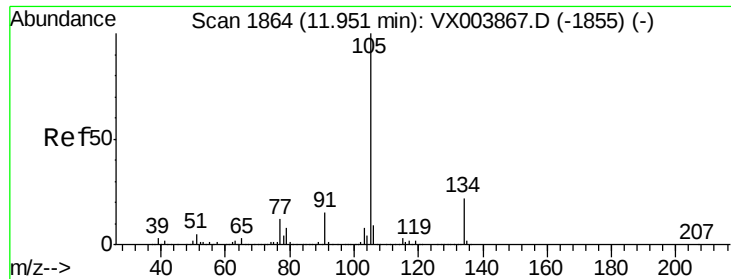
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#84
1,2,4-Trimethylbenzene
Concen: 49.08 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.1	69.2





#85

sec-Butylbenzene

Concen: 45.80 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VX003965.D

Acq: 10 Aug 2018 09:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 779186

Ion Ratio Lower Upper

105 100

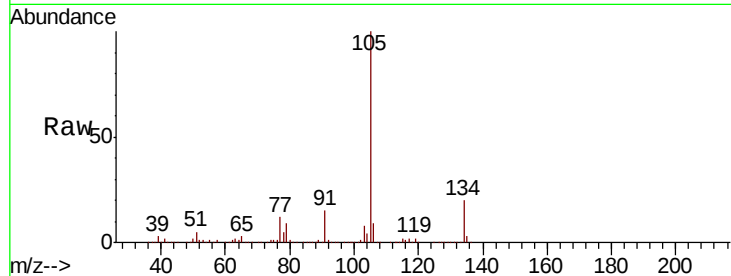
134 21.2 10.3 30.9

Manual Integrations

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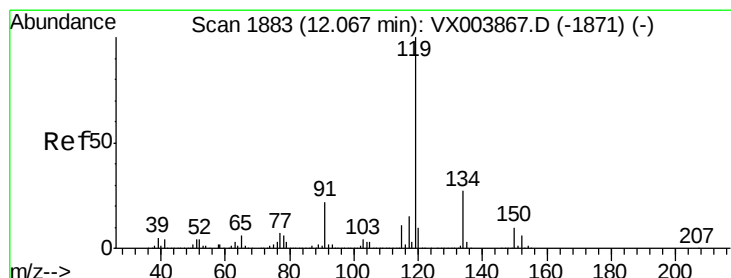
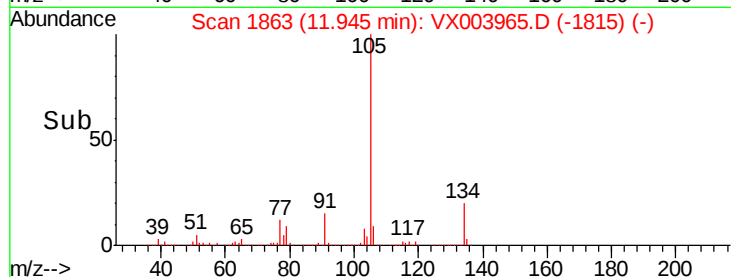
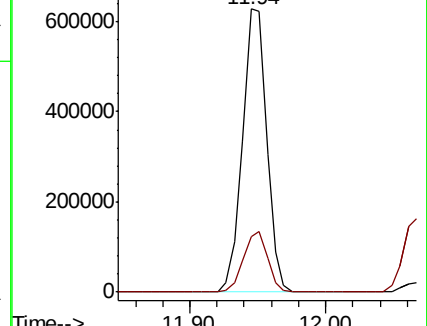
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.78 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003965.D

Acq: 10 Aug 2018 09:41

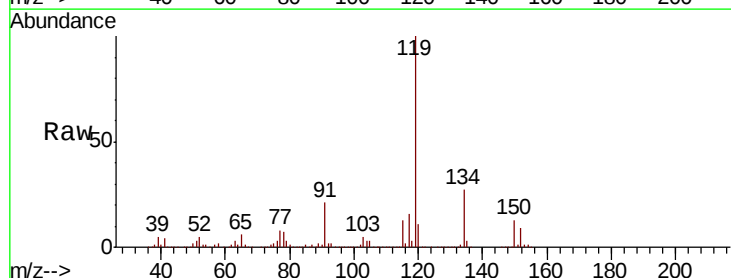
Tgt Ion:119 Resp: 714231

Ion Ratio Lower Upper

119 100

134 27.6 13.3 39.8

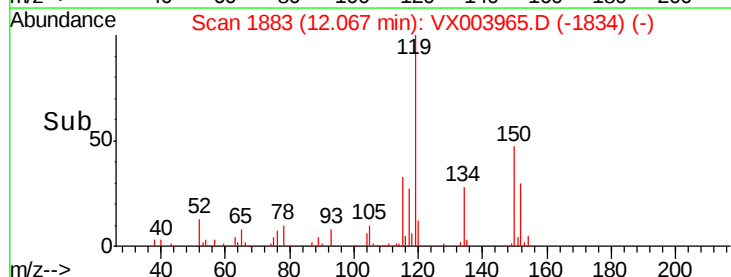
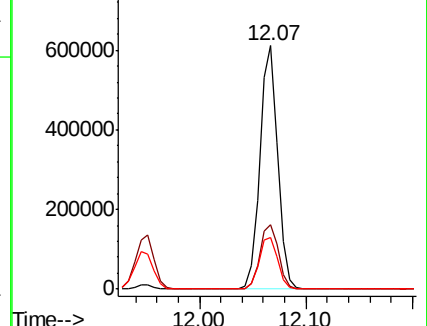
91 22.4 10.9 32.7

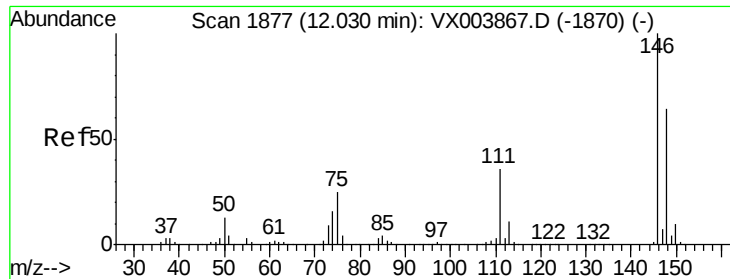


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





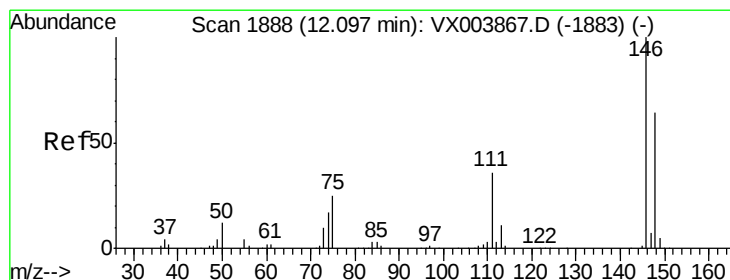
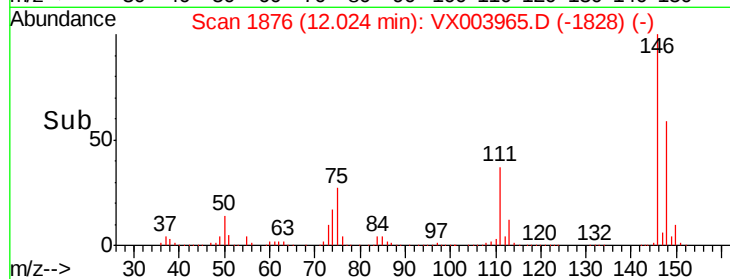
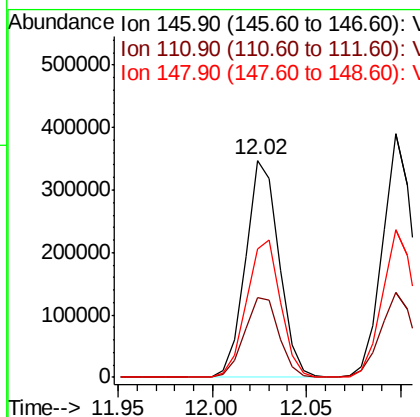
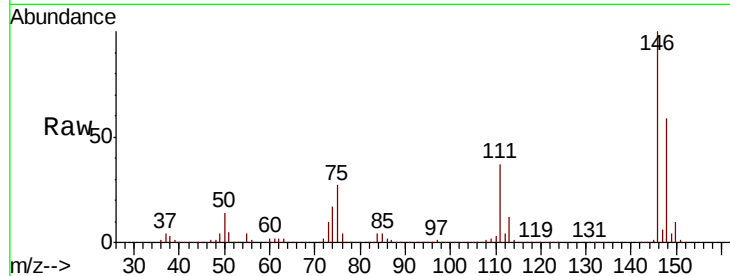
#87
 1,3-Dichlorobenzene
 Concen: 48.22 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.01 min
 Lab File: VX003965.D
 Acq: 10 Aug 2018 09:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.8	56.4
148	64.6	31.9	95.5

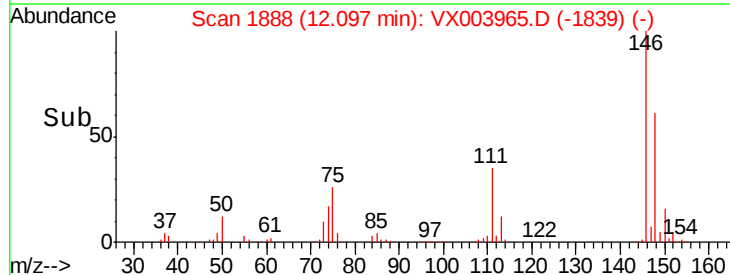
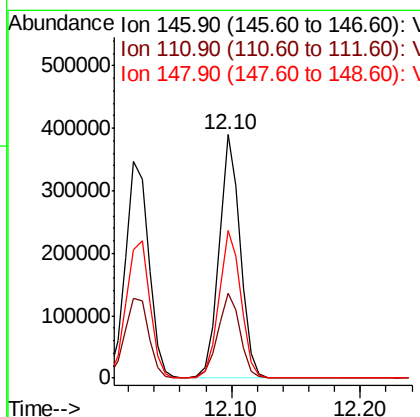
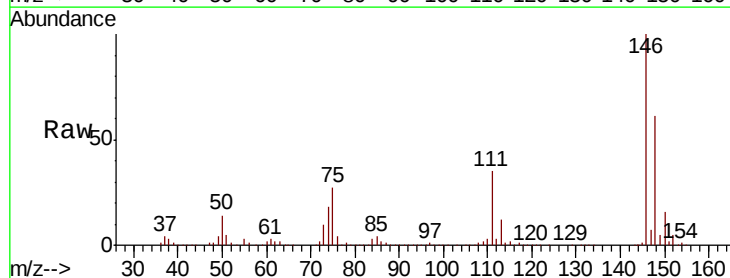
Manual Integrations
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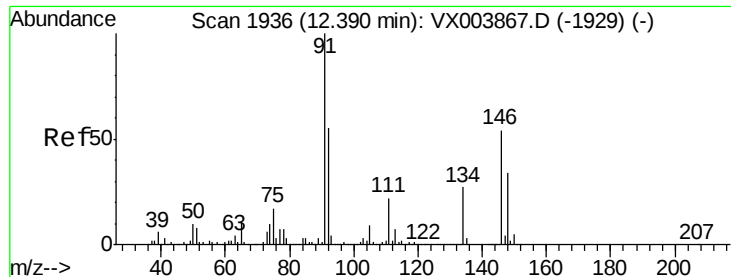
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#88
 1,4-Dichlorobenzene
 Concen: 52.90 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003965.D
 Acq: 10 Aug 2018 09:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.4	55.0
148	62.9	32.3	96.8





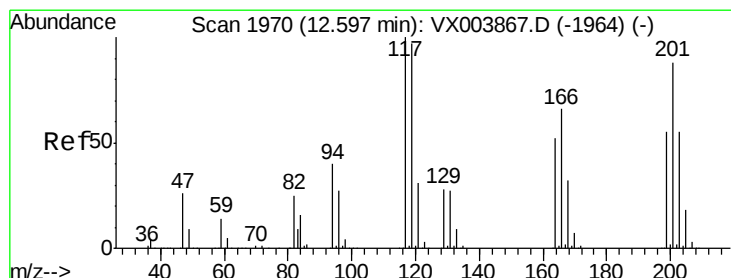
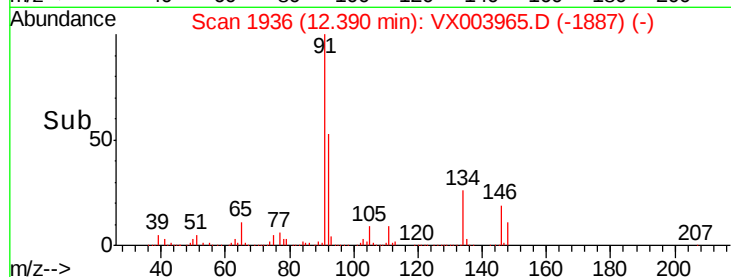
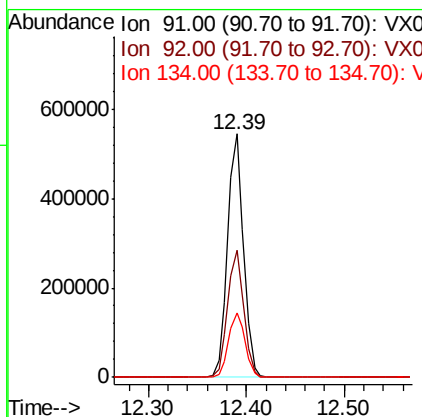
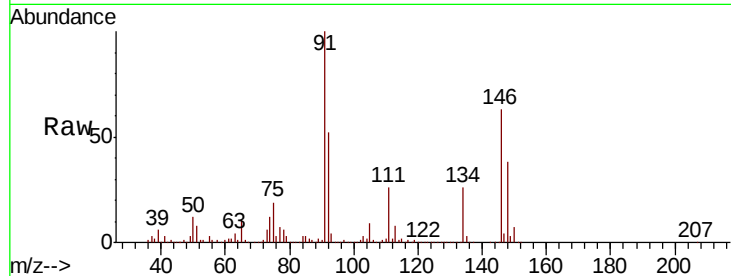
#89
n-Butylbenzene
Concen: 46.21 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	27.1	81.3
134	27.5	13.6	40.7

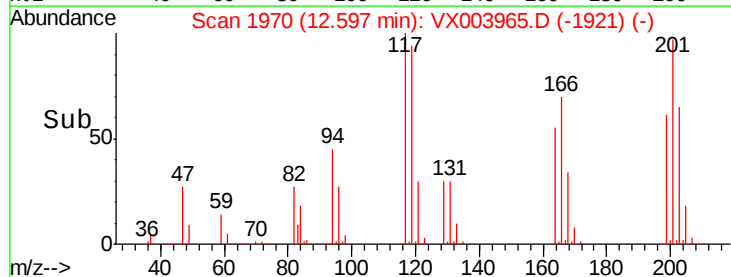
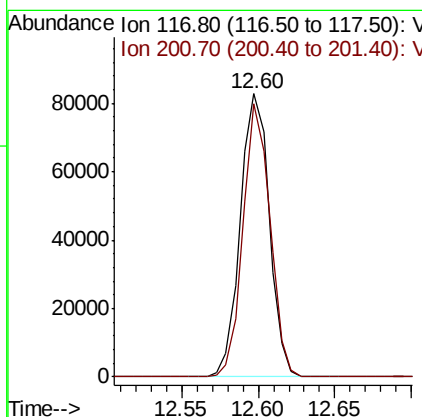
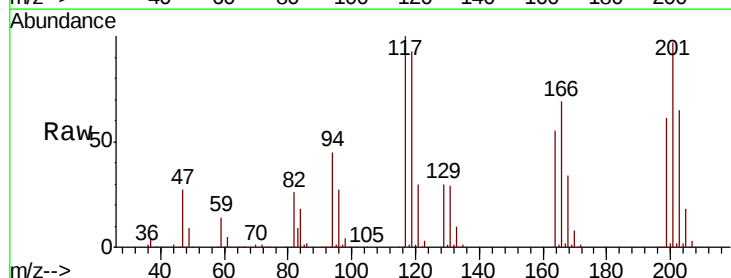
Manual Integrations
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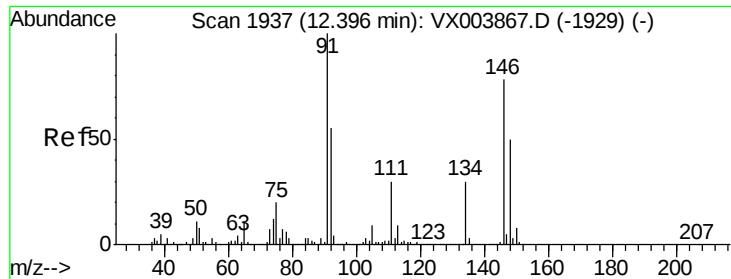
MMDadoda
8/13/2018 11:01:55 AM



#90
Hexachloroethane
Concen: 43.90 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.2	46.1	138.2





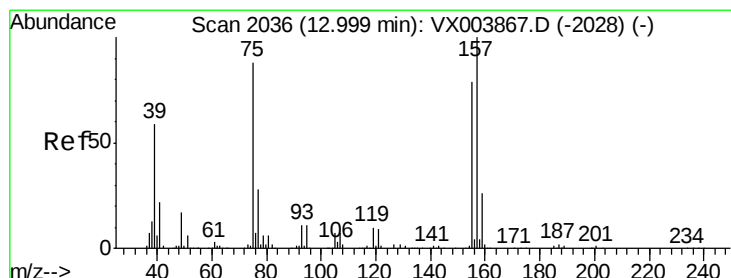
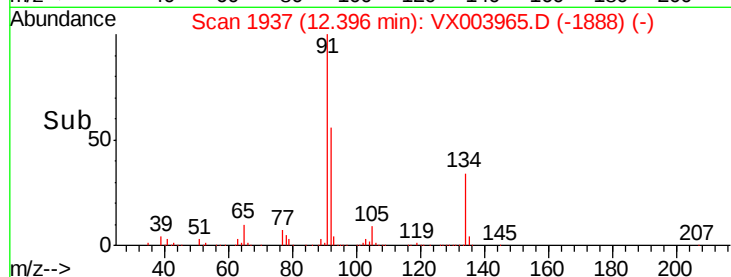
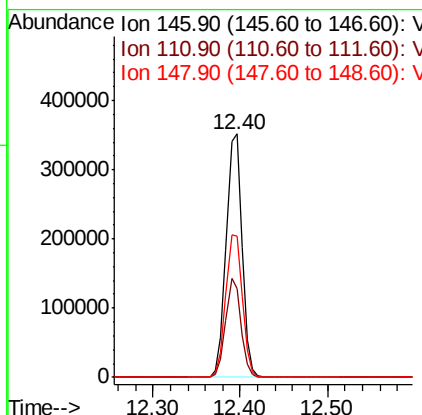
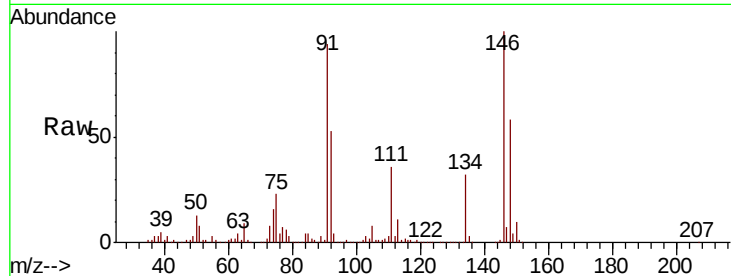
#91
 1,2-Dichlorobenzene
 Concen: 50.07 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003965.D
 Acq: 10 Aug 2018 09:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.7	59.0
148	61.5	31.9	95.5

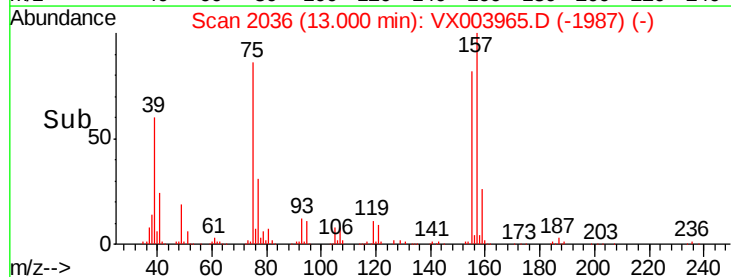
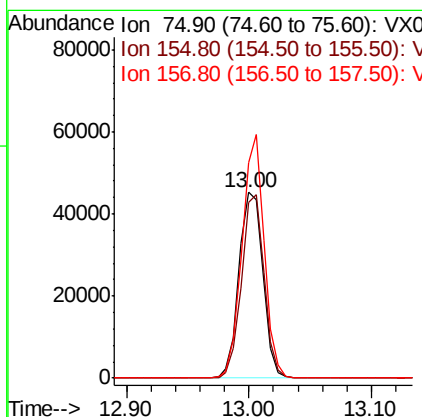
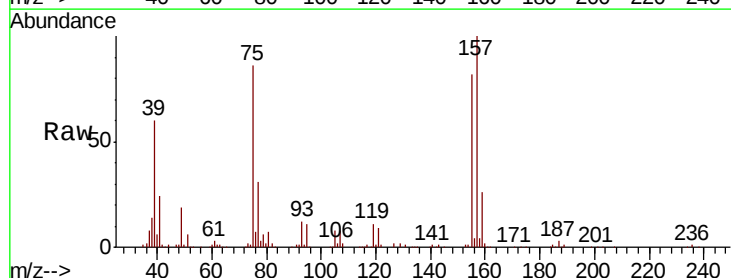
Manual Integrations
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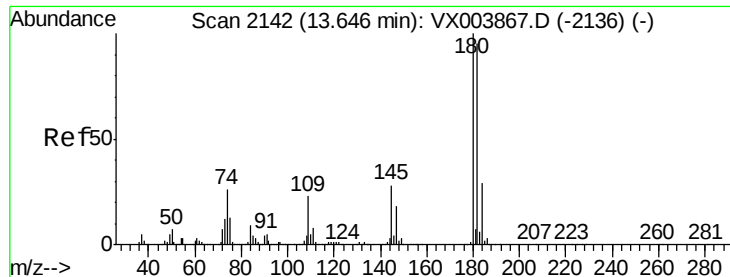
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.29 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX003965.D
 Acq: 10 Aug 2018 09:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.0	48.7	146.1
157	121.0	62.6	187.8





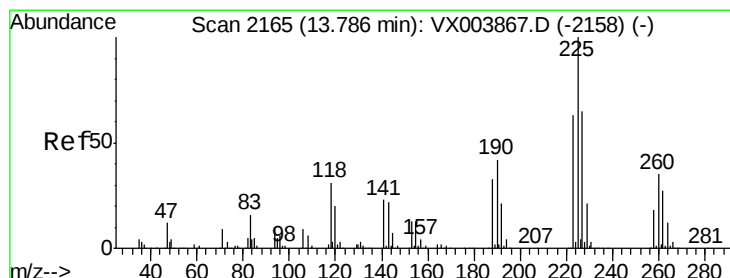
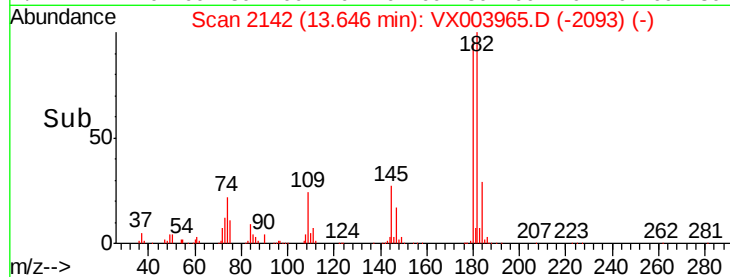
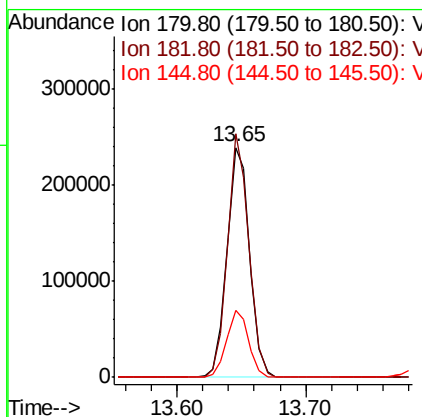
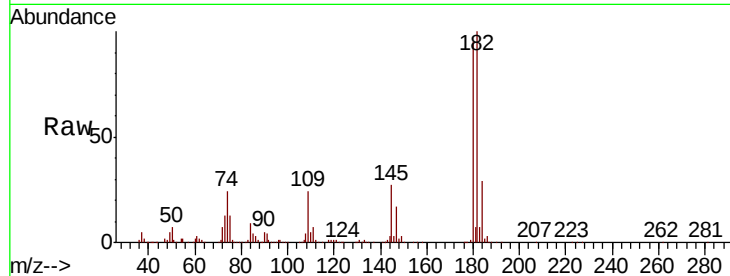
#93
 1,2,4-Trichlorobenzene
 Concen: 46.71 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003965.D
 Acq: 10 Aug 2018 09:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	295126		
182	99.8	47.7	143.1	
145	28.3	13.9	41.6	

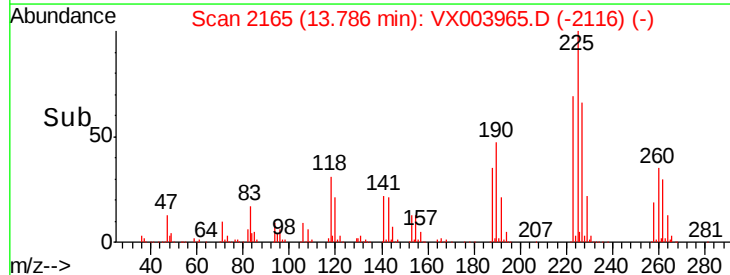
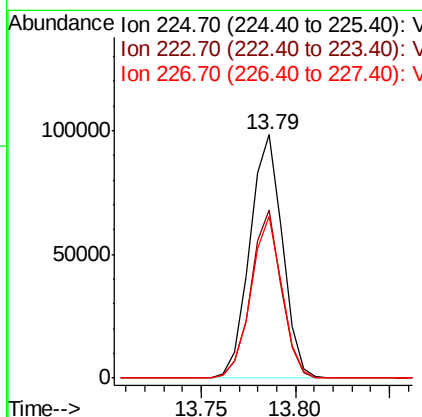
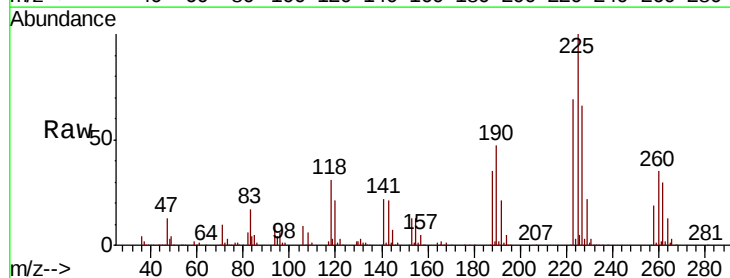
Manual Integrations
 APPROVED

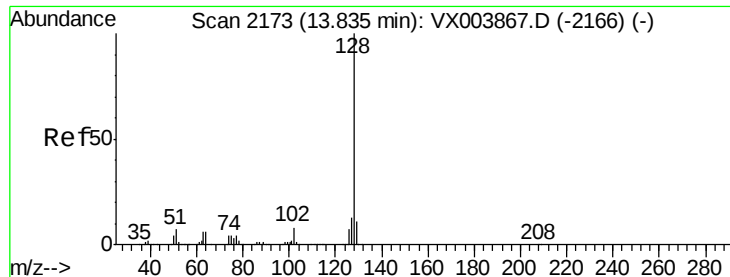
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 8/13/2018 11:01:55 AM



#94
 Hexachlorobutadiene
 Concen: 42.34 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003965.D
 Acq: 10 Aug 2018 09:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	117835		
223	64.4	31.4	94.0	
227	63.4	32.1	96.5	





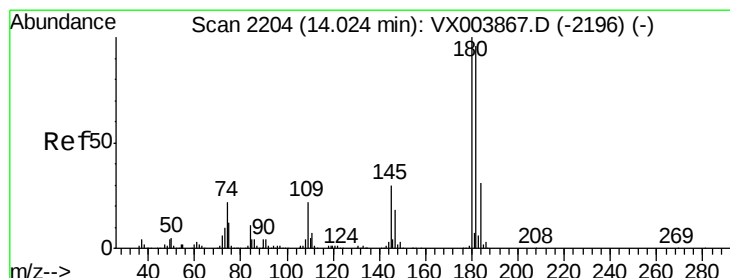
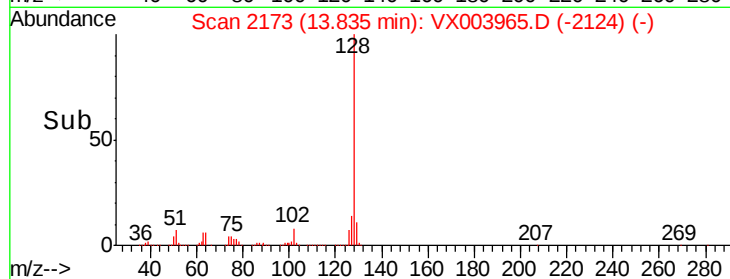
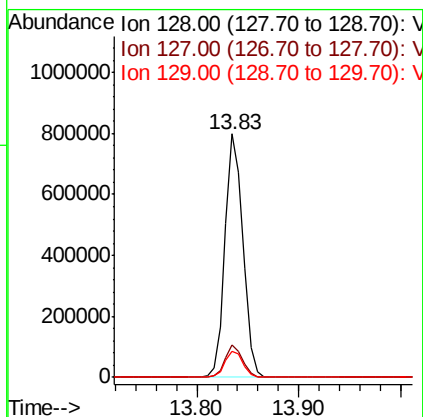
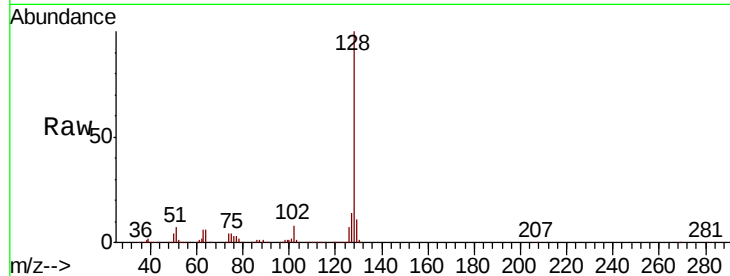
#95
Naphthalene
Concen: 53.81 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.8	13.2

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 52.11 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003965.D
Acq: 10 Aug 2018 09:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.1	144.4
145	29.1	14.9	44.7

