

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041418\
 Data File : VX000887.D
 Acq On : 14 Apr 2018 20:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/16/2018 12:51:34 PM

Quant Time: Apr 16 07:34:43 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	236402	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	322908	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	312492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	211860	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	143794	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
35) Dibromofluoromethane	5.51	113	124003	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
50) Toluene-d8	8.73	98	452536	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
62) 4-Bromofluorobenzene	11.15	95	184286	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	126143	47.27	ug/l	99
3) Chloromethane	1.32	50	108704	47.51	ug/l	99
4) Vinyl Chloride	1.40	62	127076	49.38	ug/l	99
5) Bromomethane	1.64	94	44251	41.30	ug/l	99
6) Chloroethane	1.72	64	76676	49.16	ug/l	99
7) Trichlorofluoromethane	1.93	101	187002	48.16	ug/l	98
8) Diethyl Ether	2.19	74	72728	50.14	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	110577	48.30	ug/l	98
10) Methyl Iodide	2.51	142	38515	26.29	ug/l	98
11) Tert butyl alcohol	3.09	59	142261	268.81	ug/l	99
12) 1,1-Dichloroethene	2.37	96	104715	48.26	ug/l	99
13) Acrolein	2.30	56	41358	160.93	ug/l	95
14) Allyl chloride	2.73	41	193107	48.13	ug/l	97
15) Acrylonitrile	3.16	53	322047	285.43	ug/l	99
16) Acetone	2.45	43	267045	259.79	ug/l	99
17) Carbon Disulfide	2.57	76	266339	40.54	ug/l	100
18) Methyl Acetate	2.79	43	164754	61.94	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	367350	50.83	ug/l	99
20) Methylene Chloride	2.86	84	117657	49.21	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	113164	47.30	ug/l	98
22) Diisopropyl ether	3.89	45	389794	52.87	ug/l	97
23) Vinyl Acetate	3.84	43	1692864	261.51	ug/l	99
24) 1,1-Dichloroethane	3.70	63	205758	49.73	ug/l	100
25) 2-Butanone	4.73	43	476926	280.96	ug/l	99
26) 2,2-Dichloropropane	4.59	77	152522	37.14	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	137743	50.73	ug/l	97
28) Bromochloromethane	5.03	49	83511	50.13	ug/l	99
29) Tetrahydrofuran	5.18	42	308119	285.88	ug/l	100
30) Chloroform	5.23	83	226194	51.64	ug/l	98
31) Cyclohexane	5.58	56	185464	47.20	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	203531	48.77	ug/l	100
36) 1,1-Dichloropropene	5.81	75	167245	47.03	ug/l	99
37) Ethyl Acetate	4.88	43	186344	53.67	ug/l	100
38) Carbon Tetrachloride	5.79	117	180842	45.43	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	193196	45.24	ug/l	100
40) Benzene	6.15	78	491871	49.78	ug/l	99
41) Methacrylonitrile	5.07	41	107600	53.65	ug/l	99
42) 1,2-Dichloroethane	6.21	62	183724	49.78	ug/l	100
43) Isopropyl Acetate	6.48	43	302089	50.75	ug/l	100
44) Trichloroethene	7.22	130	150246	48.89	ug/l	98
45) 1,2-Dichloropropane	7.53	63	127507	50.67	ug/l	97
46) Dibromomethane	7.67	93	86774	49.46	ug/l	99
47) Bromodichloromethane	7.91	83	169047	47.75	ug/l	98
48) Methyl methacrylate	7.79	41	160658	52.07	ug/l	98
49) 1,4-Dioxane	7.77	88	65498	1056.40	ug/l	99
51) 4-Methyl-2-Pentanone	8.67	43	972823	278.24	ug/l	98
52) Toluene	8.79	92	324492	49.50	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	197459	46.50	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	190546	46.08	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	133790	51.41	ug/l	98
56) Ethyl methacrylate	9.19	69	206047	51.32	ug/l	98
57) 1,3-Dichloropropane	9.38	76	216242	52.26	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	493657	263.18	ug/l	99
59) 2-Hexanone	9.51	43	745011	276.01	ug/l	100
60) Dibromochloromethane	9.59	129	147260	47.29	ug/l	99
61) 1,2-Dibromoethane	9.68	107	142688	51.68	ug/l	99
64) Tetrachloroethene	9.34	164	154973	50.72	ug/l	98
65) Chlorobenzene	10.15	112	385894	49.09	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	141859	47.95	ug/l	99
67) Ethyl Benzene	10.26	91	632445	48.26	ug/l	100
68) m/p-Xylenes	10.37	106	499873	96.63	ug/l	100
69) o-Xylene	10.71	106	243083	48.76	ug/l	99
70) Styrene	10.72	104	414047	49.26	ug/l	99
71) Bromoform	10.87	173	124713	45.52	ug/l	100
73) Isopropylbenzene	11.02	105	652874	48.58	ug/l	100
74) N-amyl acetate	6.48	43	302089	49.91	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	202942	52.03	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	184687m	50.55	ug/l	
77) Bromobenzene	11.26	156	192313	48.82	ug/l	99
78) n-propylbenzene	11.37	91	735041	47.81	ug/l	100
79) 2-Chlorotoluene	11.43	91	438692	48.28	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	556108	48.11	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	55231	41.58	ug/l	95
82) 4-Chlorotoluene	11.52	91	524792	47.85	ug/l	100
83) tert-Butylbenzene	11.78	119	568205	48.05	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	571855	47.92	ug/l	100
85) sec-Butylbenzene	11.95	105	671399	48.13	ug/l	100
86) p-Isopropyltoluene	12.07	119	612358	47.07	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	351152	48.17	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	359208	48.08	ug/l	98
89) n-Butylbenzene	12.40	91	539462	46.98	ug/l	100
90) Hexachloroethane	12.60	117	93920	42.67	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	348508	49.52	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	46648	47.73	ug/l	100

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ClientSampleId :
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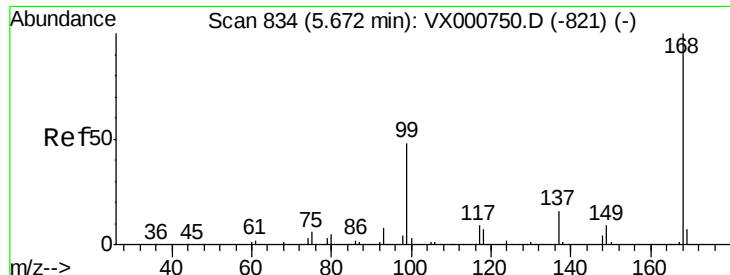
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	287270	47.83	ug/l	99
94) Hexachlorobutadiene	13.79	225	138552	46.92	ug/l	98
95) Naphthalene	13.84	128	800673	51.94	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	288313	49.43	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 236402

Ion Ratio Lower Upper

168 100

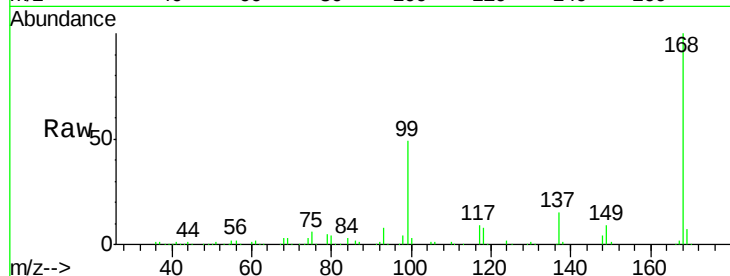
99 48.5 38.3 57.5

Manual Integrations

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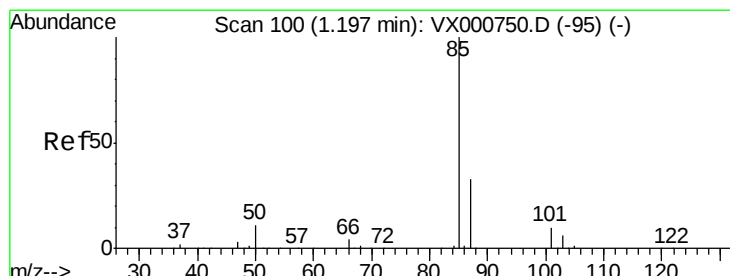
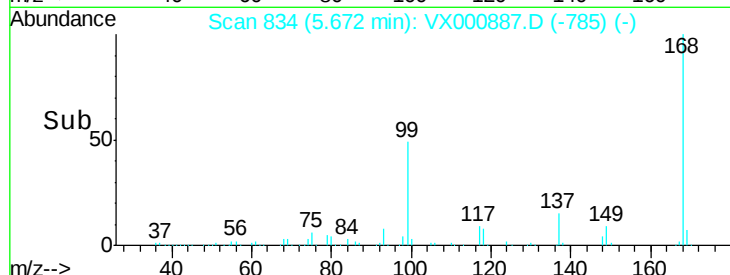
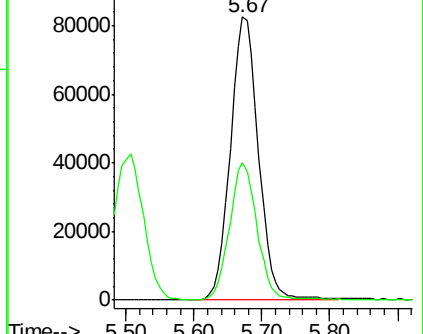
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 47.27 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000887.D

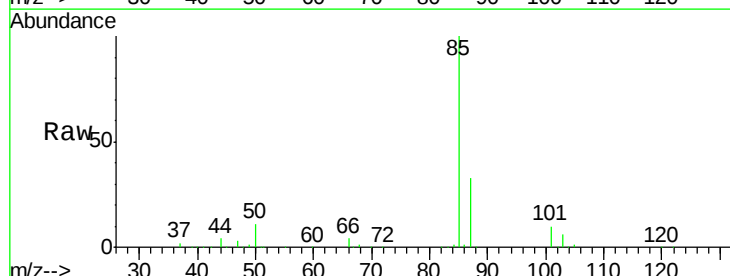
Acq: 14 Apr 2018 20:36

Tgt Ion: 85 Resp: 126143

Ion Ratio Lower Upper

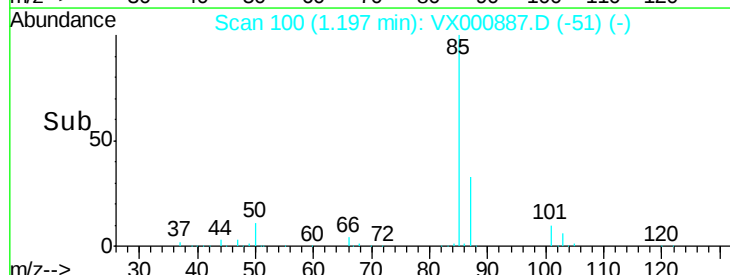
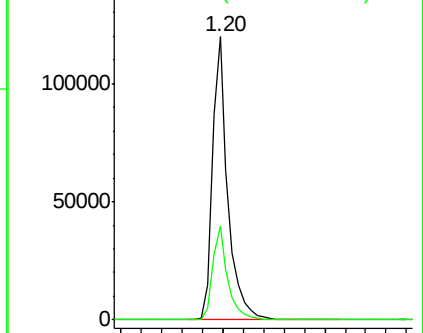
85 100

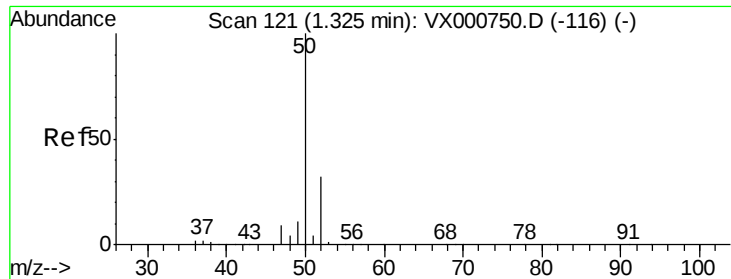
87 33.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 47.51 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 108704

Ion Ratio Lower Upper

50 100

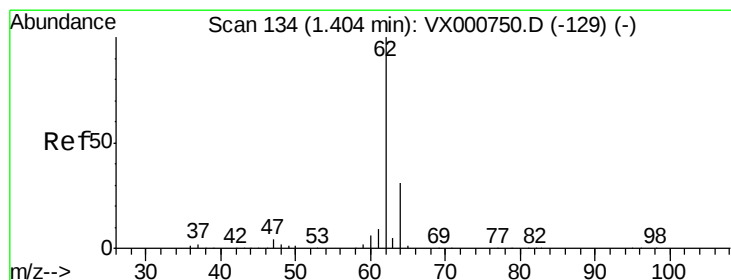
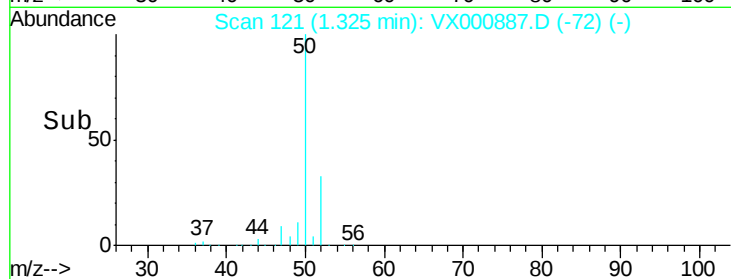
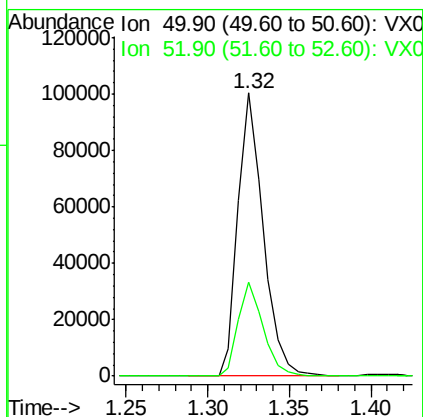
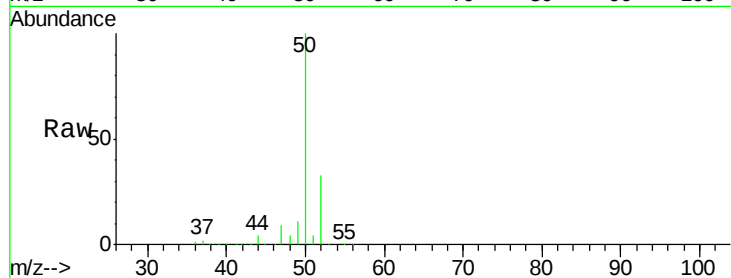
52 33.1 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.38 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX000887.D

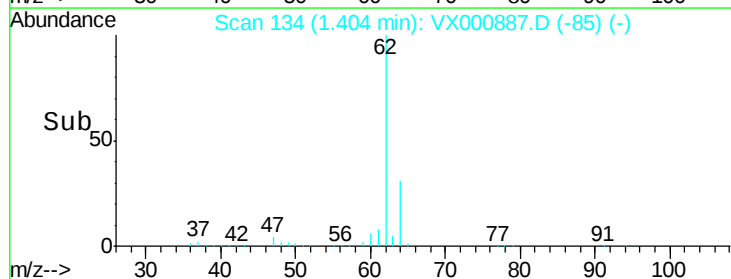
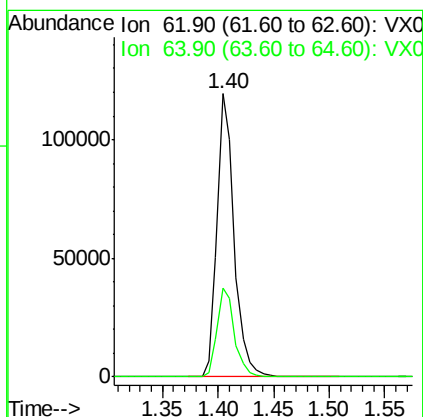
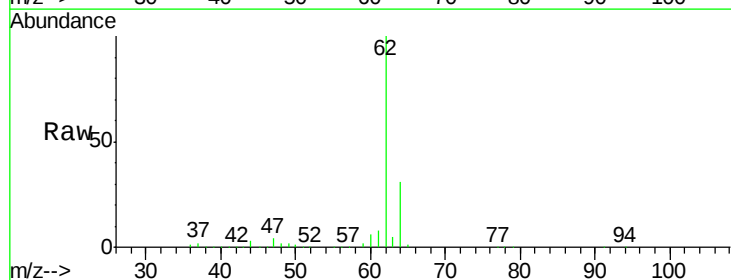
Acq: 14 Apr 2018 20:36

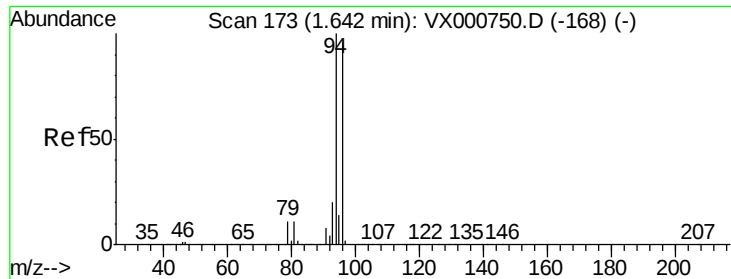
Tgt Ion: 62 Resp: 127076

Ion Ratio Lower Upper

62 100

64 31.2 24.6 36.8





#5

Bromomethane

Concen: 41.30 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 44251

Ion Ratio Lower Upper

94 100

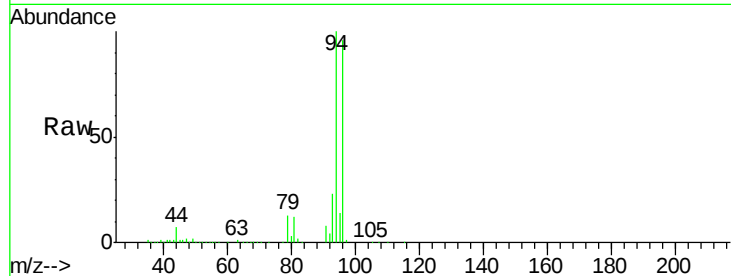
96 95.8 77.0 115.6

Manual Integrations

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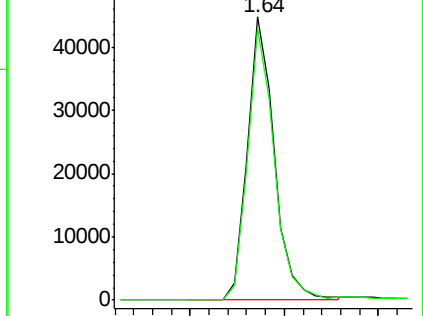
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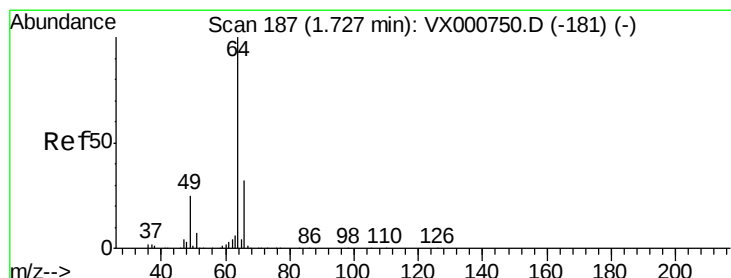
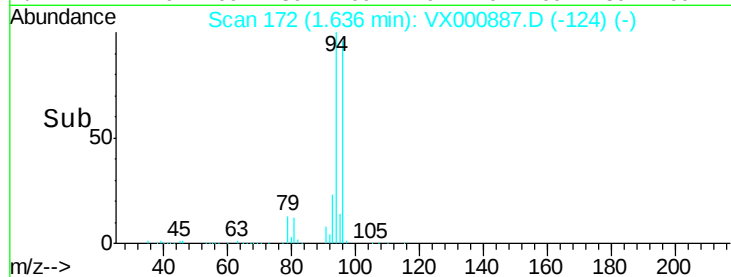


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 49.16 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX000887.D

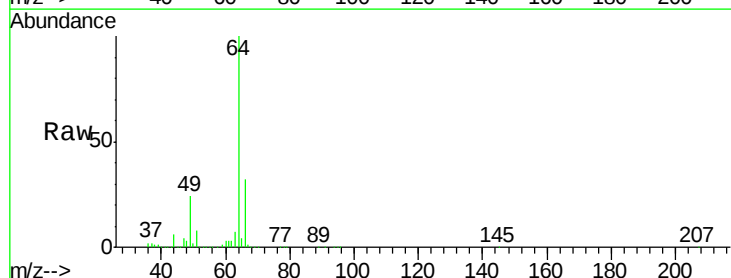
Acq: 14 Apr 2018 20:36

Tgt Ion: 64 Resp: 76676

Ion Ratio Lower Upper

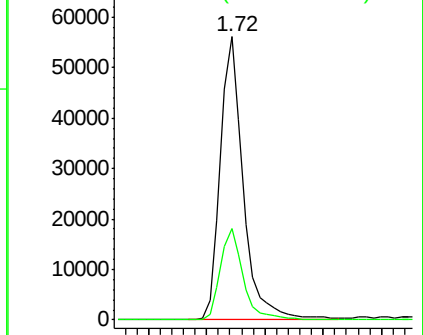
64 100

66 32.2 25.3 37.9

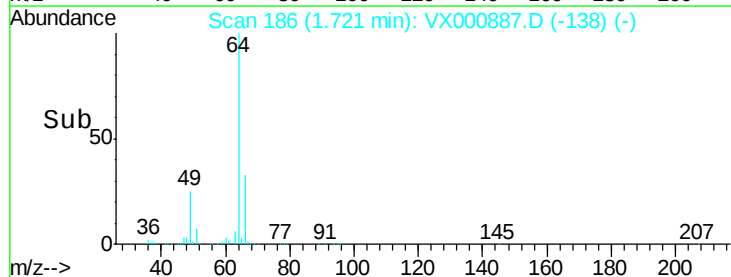


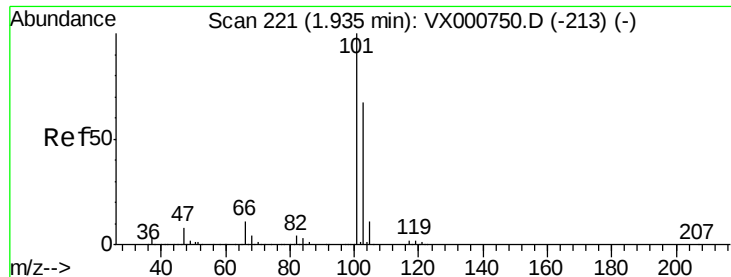
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->





#7

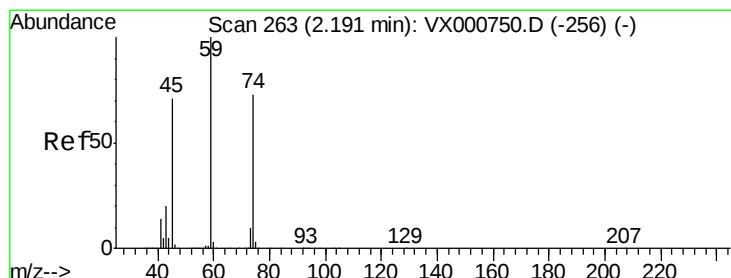
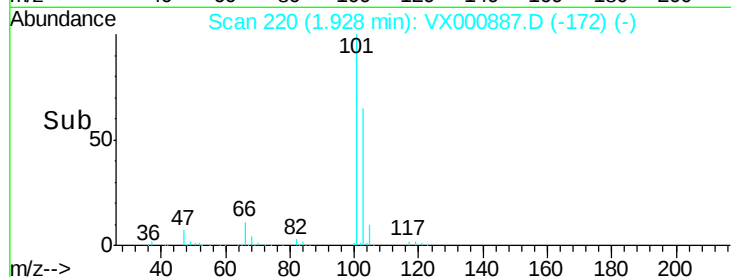
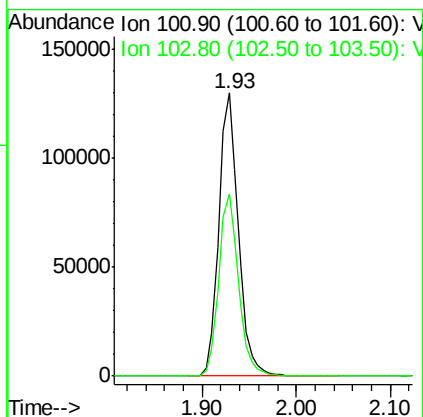
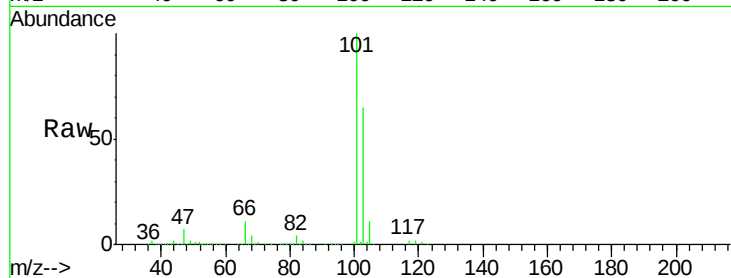
Trichlorofluoromethane
Concen: 48.16 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.01 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Instrument :
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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	53.2	79.8

Manual Integrations
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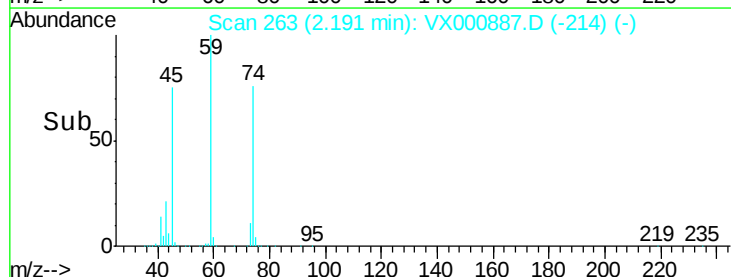
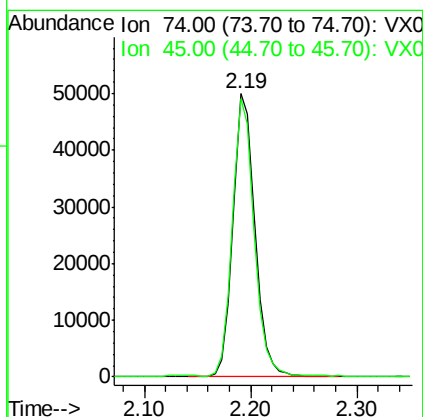
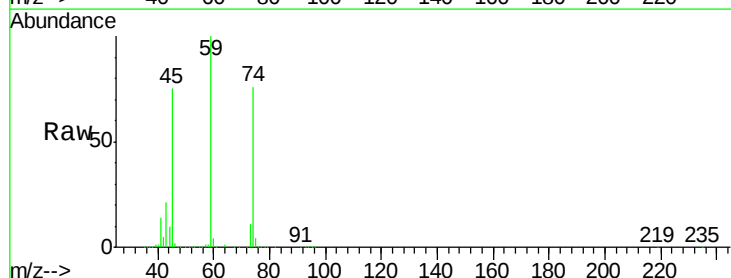
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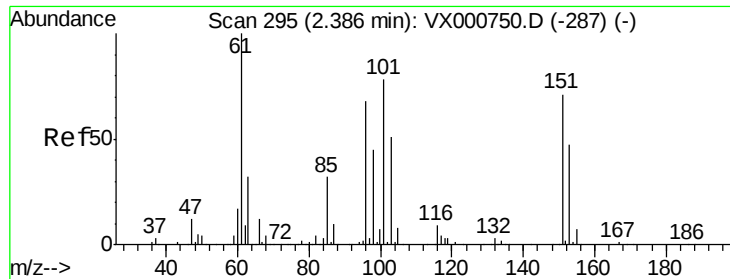


#8

Diethyl Ether
Concen: 50.14 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	48.6	145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.30 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Instrument :

MSVOA_X

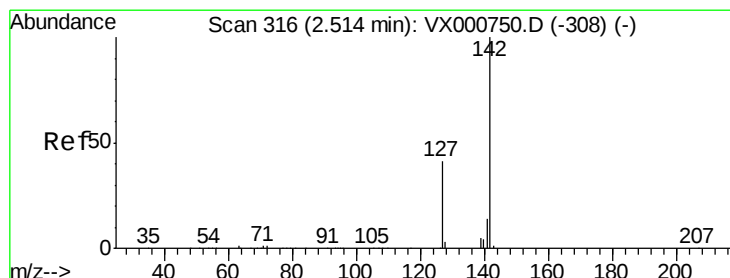
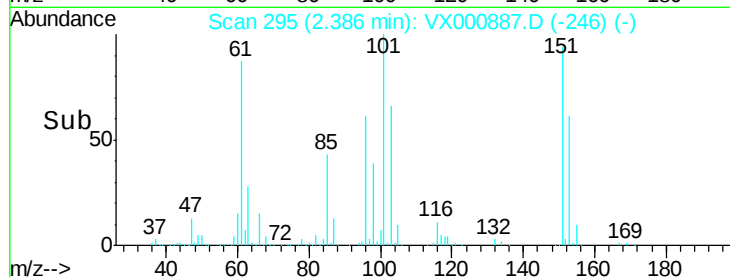
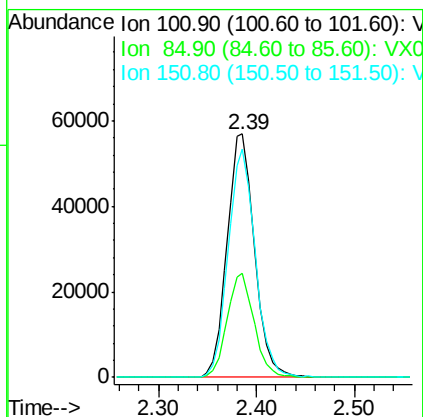
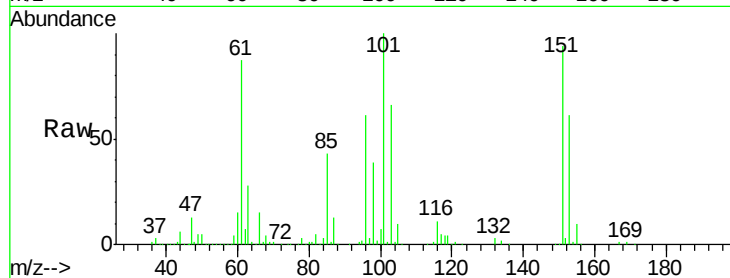
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	110577
Ion Ratio	Lower	Upper	
101	100		
85	42.0	34.0	51.0
151	92.8	75.8	113.8

Manual Integrations
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#10

Methyl Iodide

Concen: 26.29 ug/l

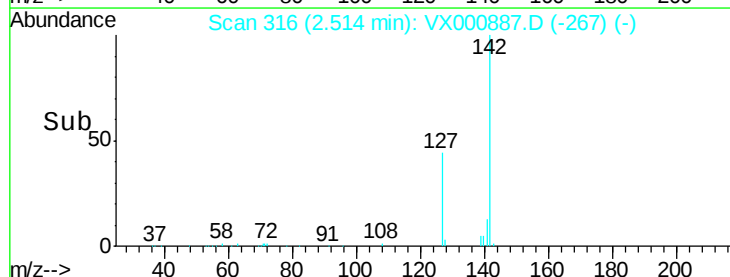
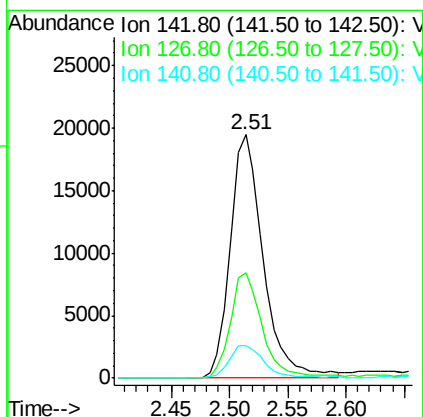
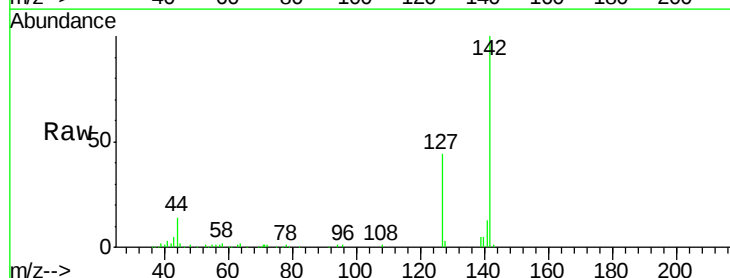
RT: 2.51 min Scan# 316

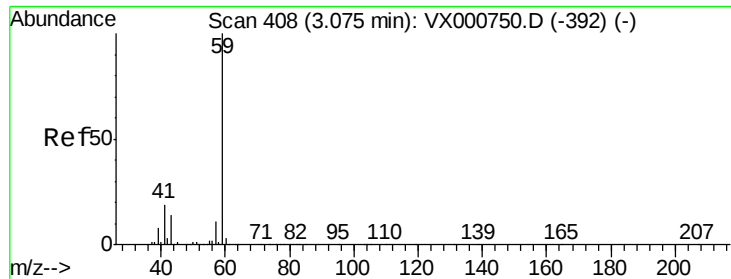
Delta R.T. 0.00 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Tgt Ion:	142	Resp:	38515
Ion Ratio	Lower	Upper	
142	100		
127	42.0	32.6	49.0
141	14.0	11.5	17.3





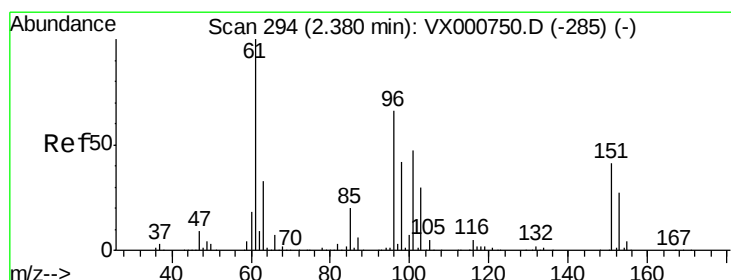
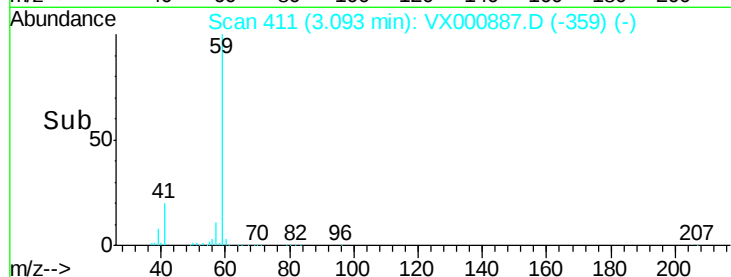
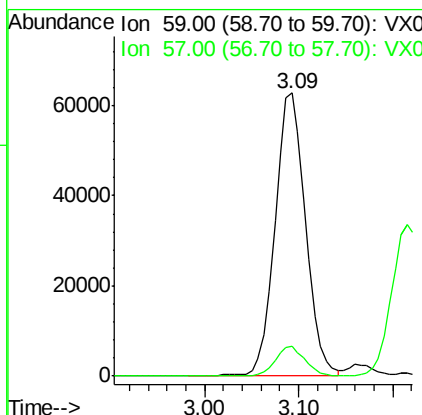
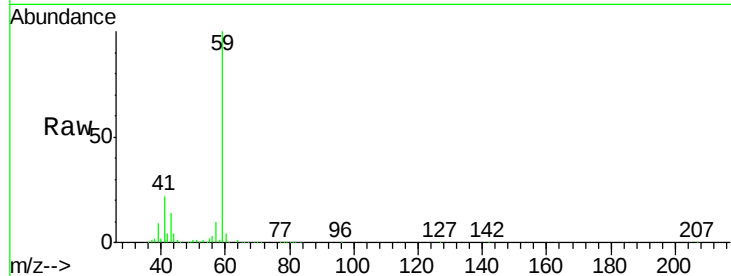
#11
Tert butyl alcohol
Concen: 268.81 ug/l
RT: 3.09 min Scan# 411
Delta R.T. 0.02 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.4	12.6

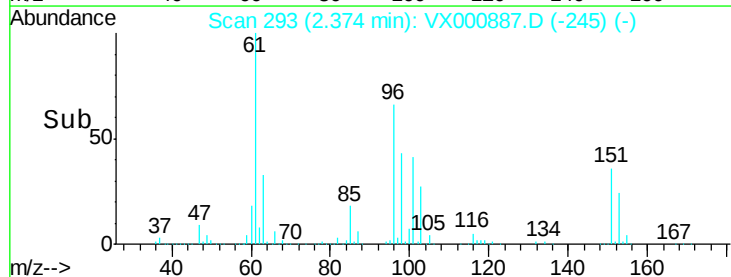
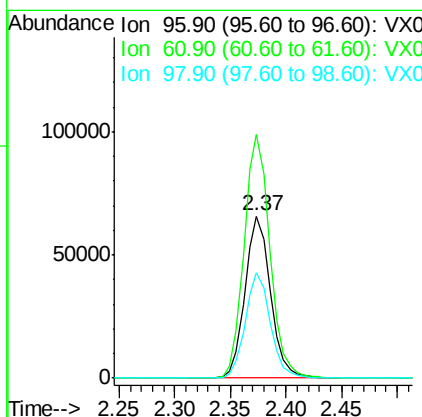
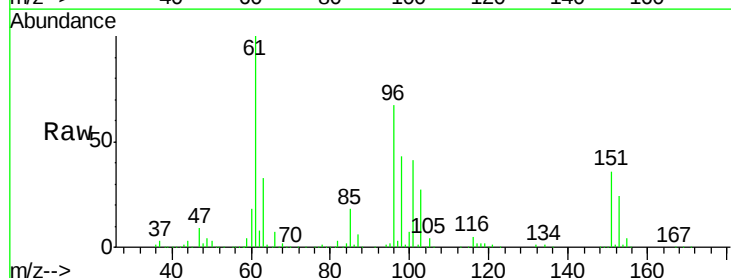
Manual Integrations
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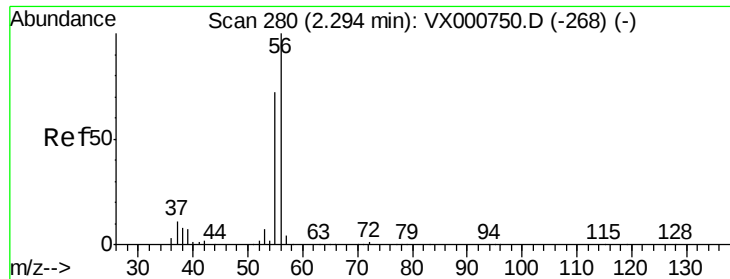
MMDadoda
4/16/2018 12:51:34 PM



#12
1,1-Dichloroethene
Concen: 48.26 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.01 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.0	120.5	180.7
98	64.7	50.9	76.3





#13

Acrolein

Concen: 160.93 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 41358

Ion Ratio Lower Upper

56 100

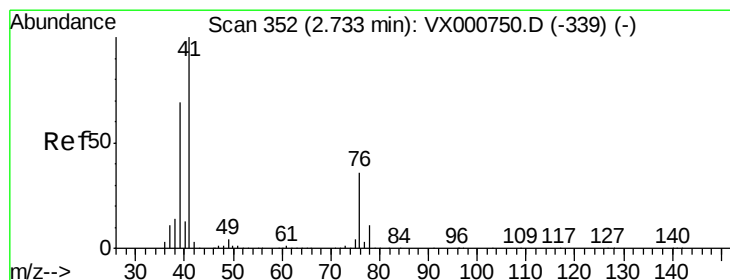
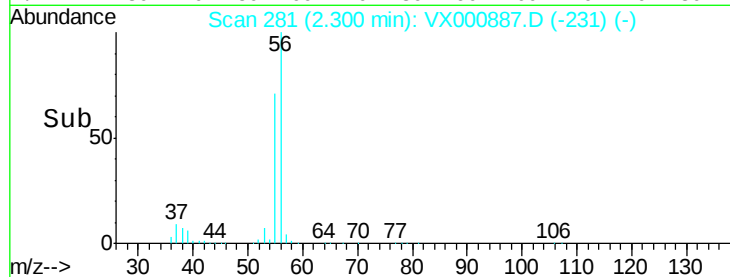
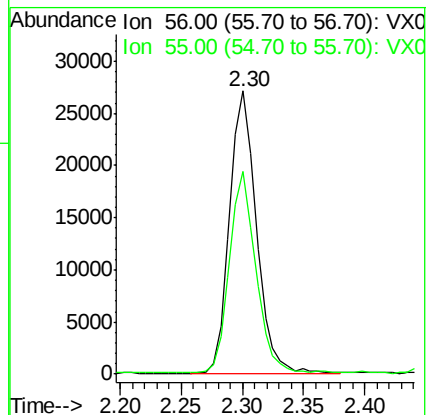
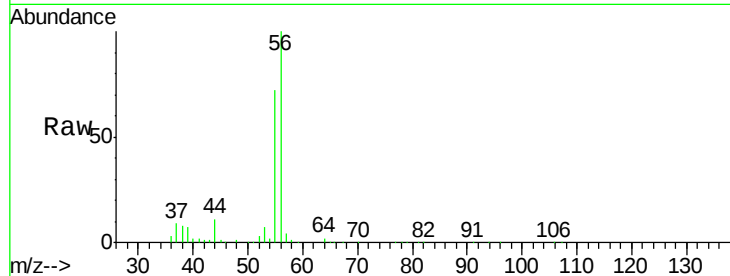
55 69.6 58.7 88.1

Manual Integrations

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#14

Allyl chloride

Concen: 48.13 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

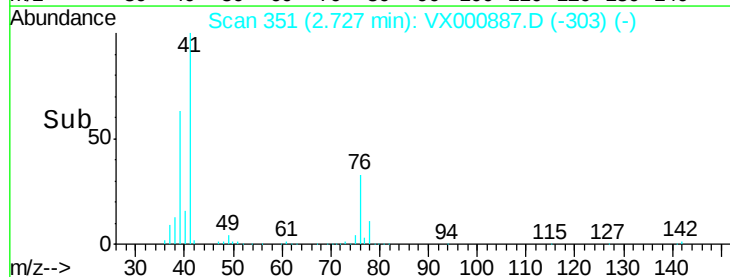
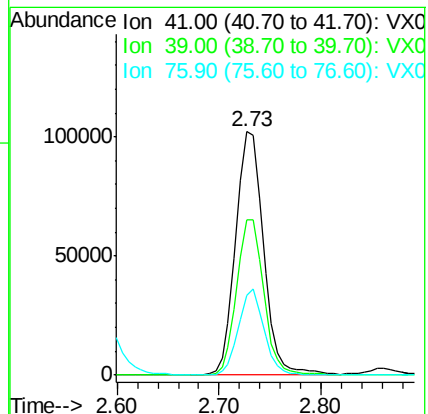
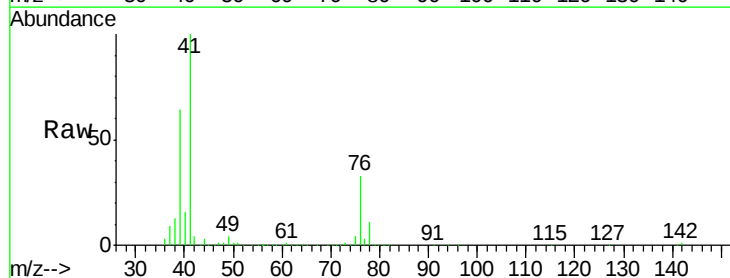
Tgt Ion: 41 Resp: 193107

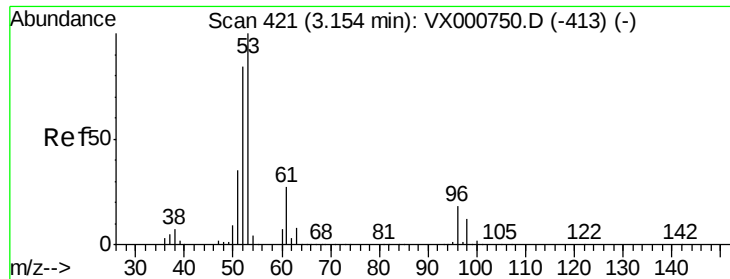
Ion Ratio Lower Upper

41 100

39 61.6 51.5 77.3

76 32.4 26.5 39.7





#15

Acrylonitrile

Concen: 285.43 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Instrument :

MSVOA_X

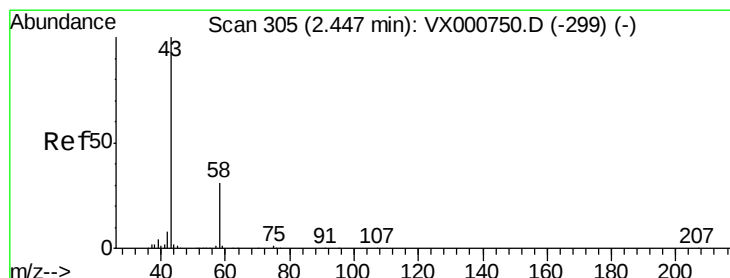
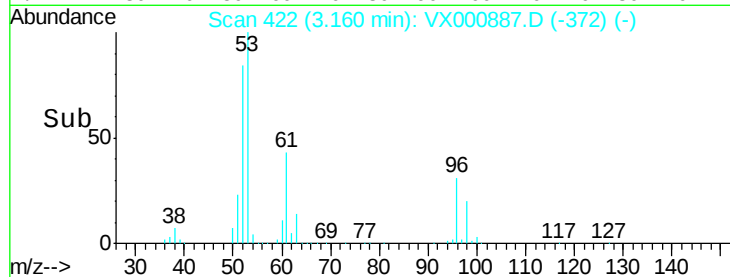
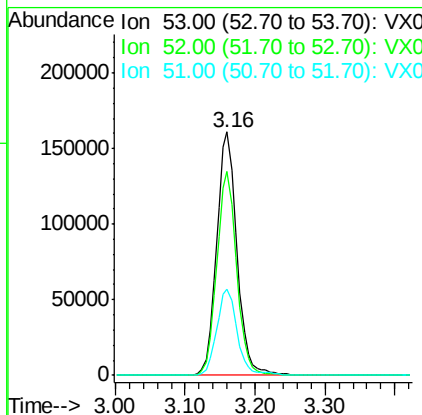
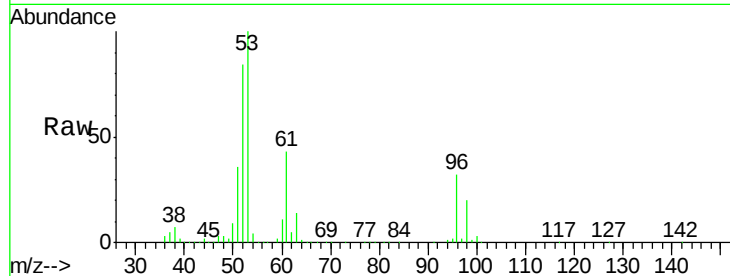
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	322047
Ion Ratio		Lower	Upper
53	100		
52	82.4	66.5	99.7
51	36.0	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 259.79 ug/l

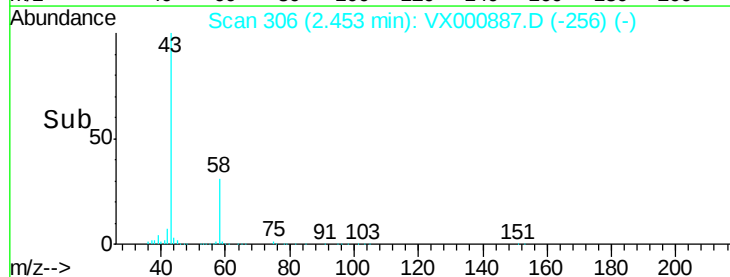
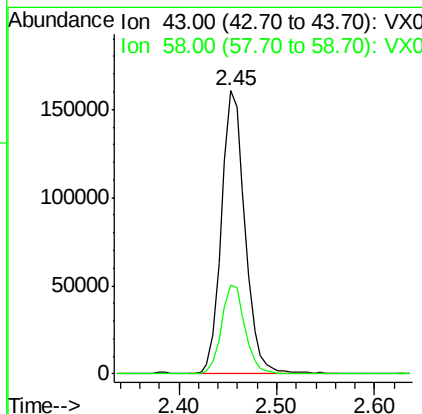
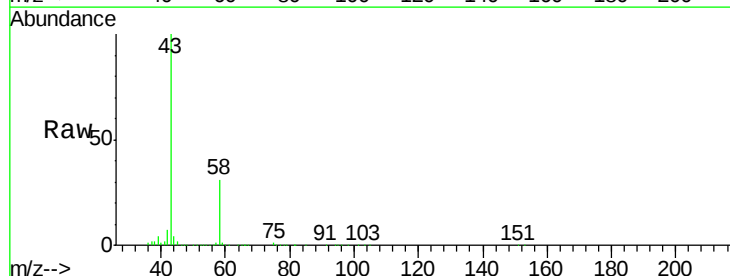
RT: 2.45 min Scan# 306

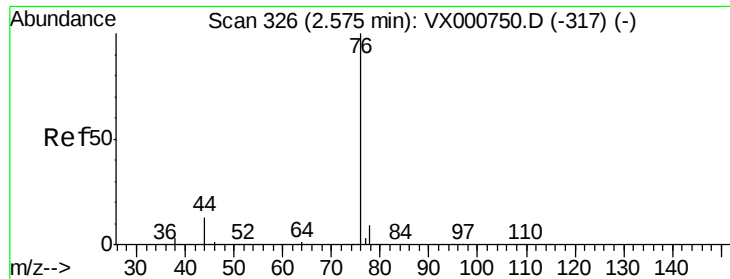
Delta R.T. 0.01 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Tgt Ion:	43	Resp:	267045
Ion Ratio		Lower	Upper
43	100		
58	31.4	24.6	37.0





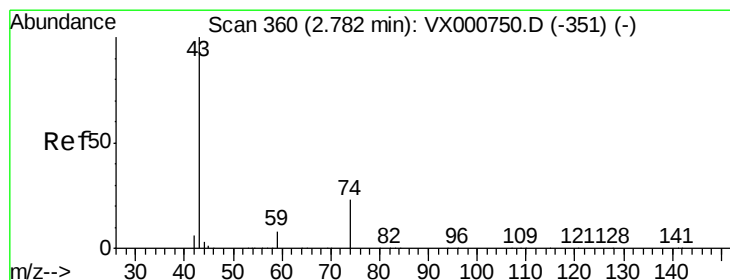
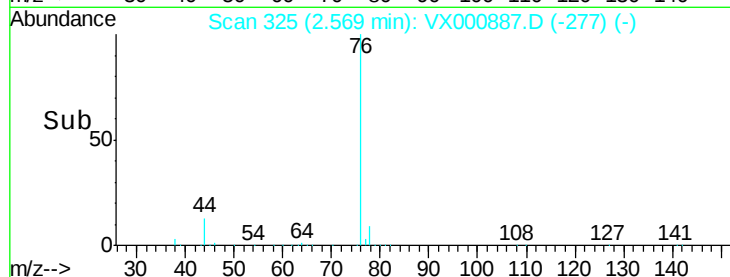
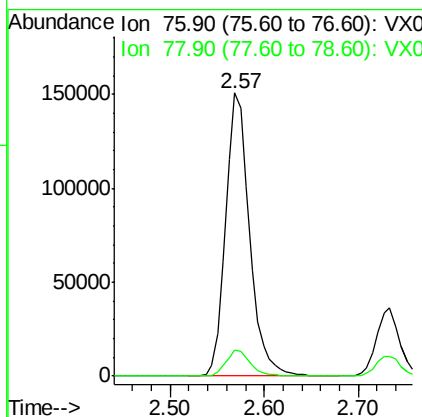
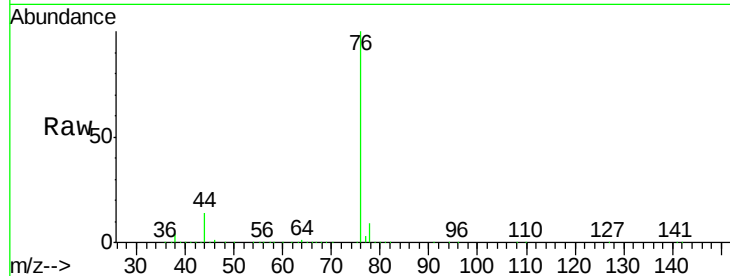
#17
Carbon Disulfide
Concen: 40.54 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.01 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.2

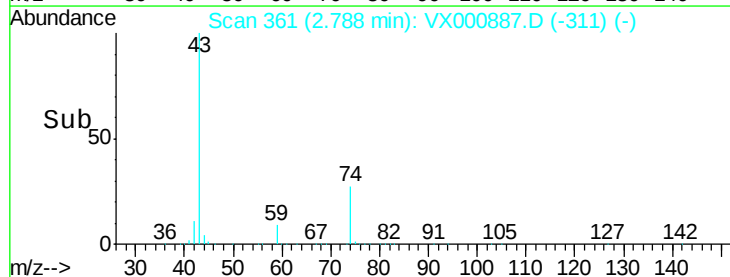
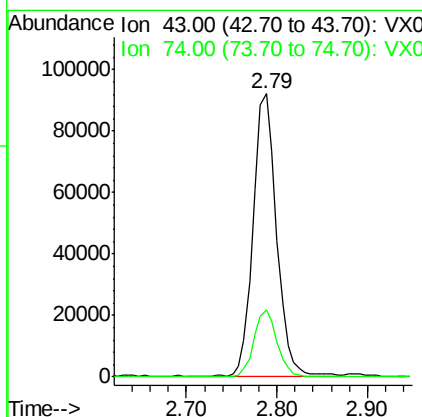
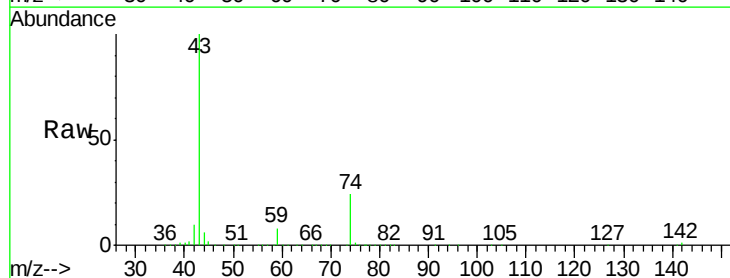
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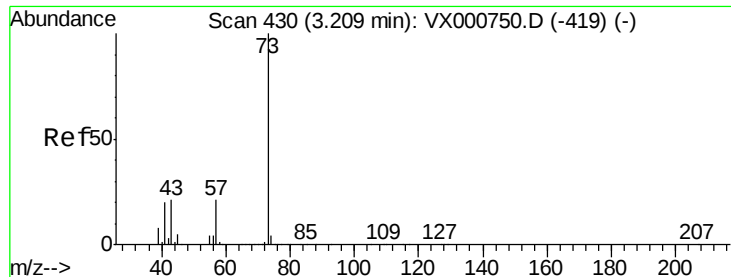
MMDadoda
4/16/2018 12:51:34 PM



#18
Methyl Acetate
Concen: 61.94 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	19.1	28.7





#19

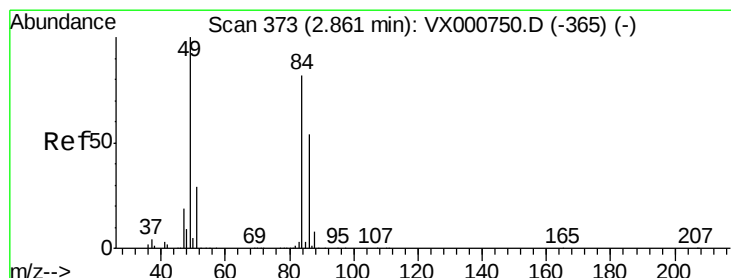
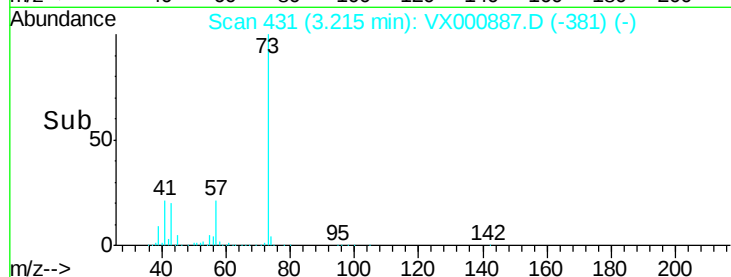
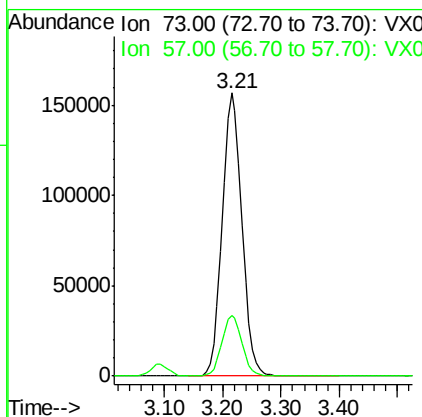
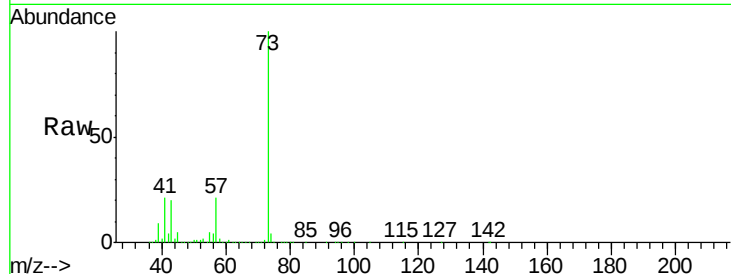
Methyl tert-butyl Ether
 Concen: 50.83 ug/l
 RT: 3.21 min Scan# 431
 Delta R.T. 0.01 min
 Lab File: VX000887.D
 Acq: 14 Apr 2018 20:36

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	73	Resp	367350
Ion Ratio	Lower	Upper	
73	100		
57	21.4	16.9	25.3

Manual Integrations
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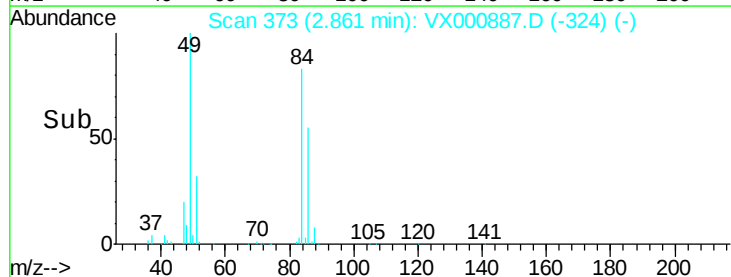
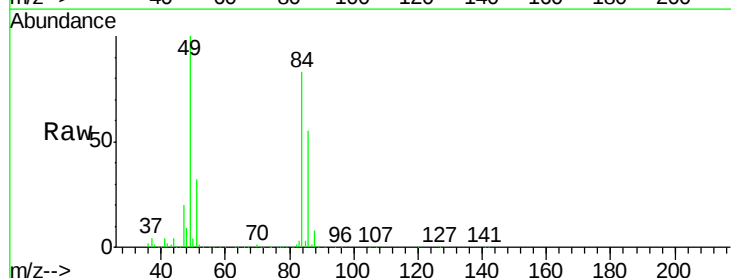
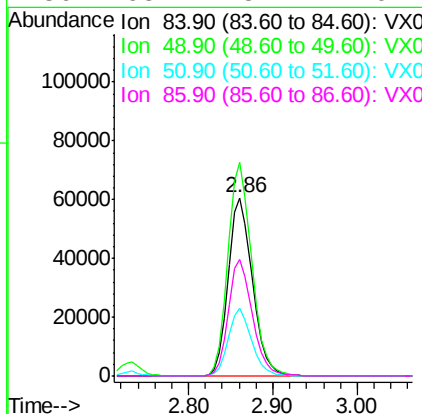
MMDadoda
 4/16/2018 12:51:34 PM

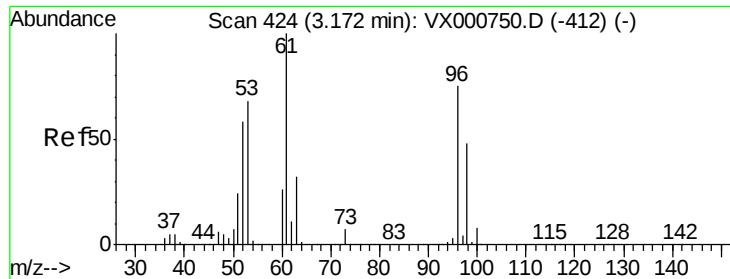


#20

Methylene Chloride
 Concen: 49.21 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. -0.00 min
 Lab File: VX000887.D
 Acq: 14 Apr 2018 20:36

Tgt Ion	84	Resp	117657
Ion Ratio	Lower	Upper	
84	100		
49	119.9	98.1	147.1
51	37.9	28.9	43.3
86	65.4	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 47.30 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Instrument :

MSVOA_X

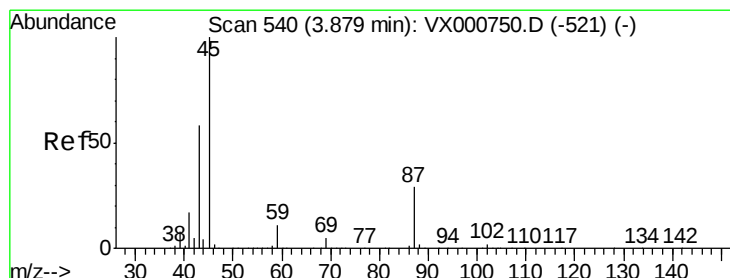
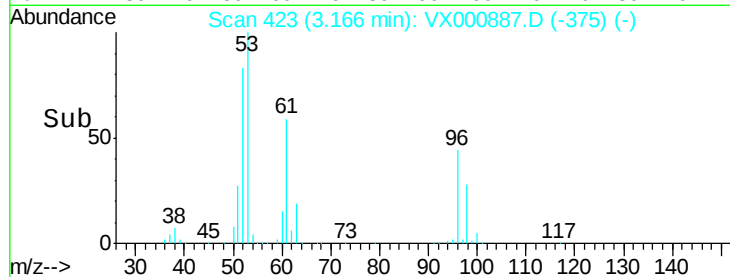
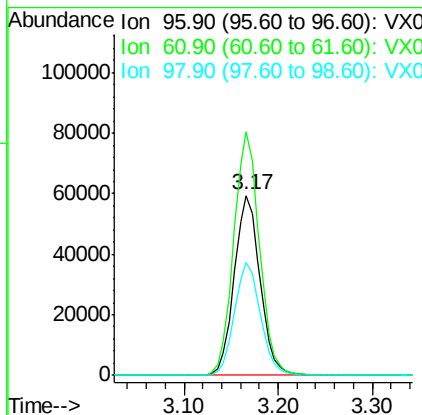
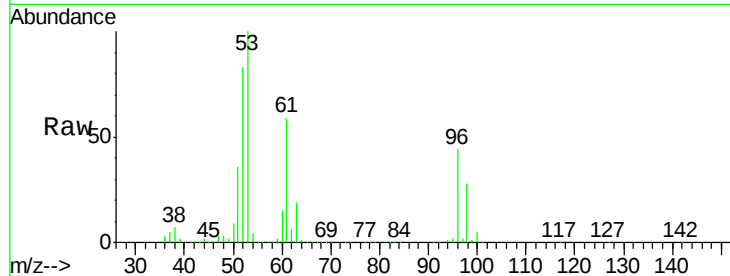
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	113164
Ion	Ratio	Lower	Upper
96	100		
61	135.1	106.2	159.2
98	62.9	51.2	76.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.87 ug/l

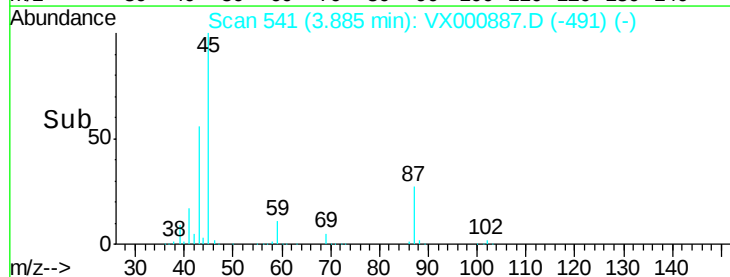
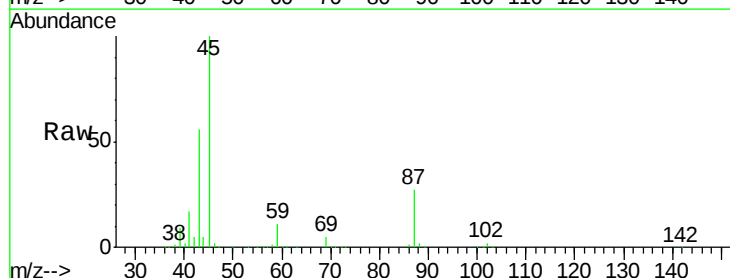
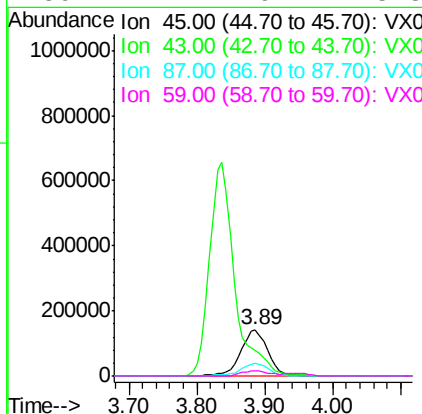
RT: 3.89 min Scan# 541

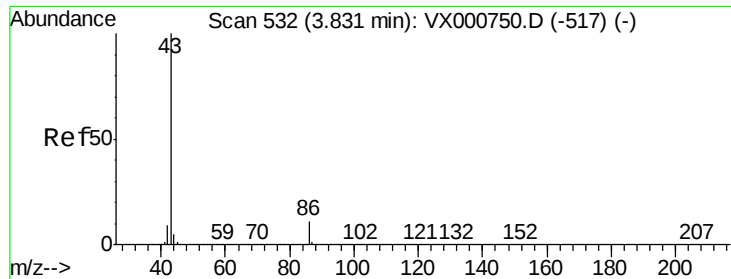
Delta R.T. 0.01 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Tgt Ion:	45	Resp:	389794
Ion	Ratio	Lower	Upper
45	100		
43	55.2	46.6	69.8
87	27.1	22.9	34.3
59	11.4	9.2	13.8





#23

Vinyl Acetate

Concen: 261.51 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.01 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1692864

Ion Ratio Lower Upper

43 100

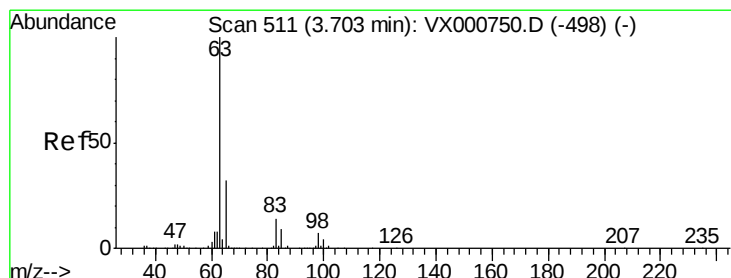
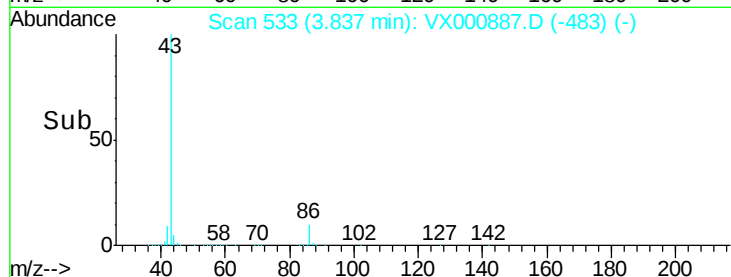
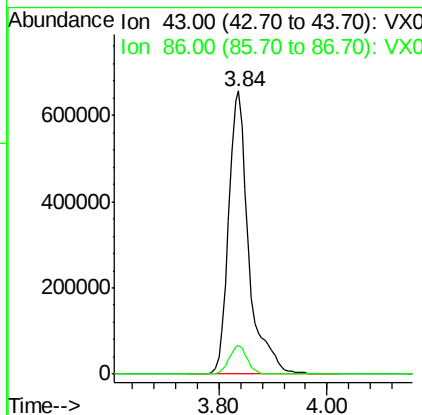
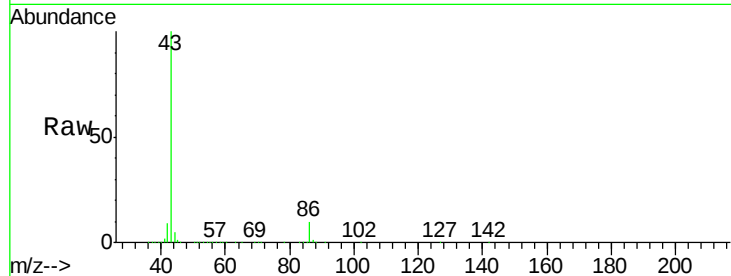
86 10.2 8.6 12.8

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 49.73 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

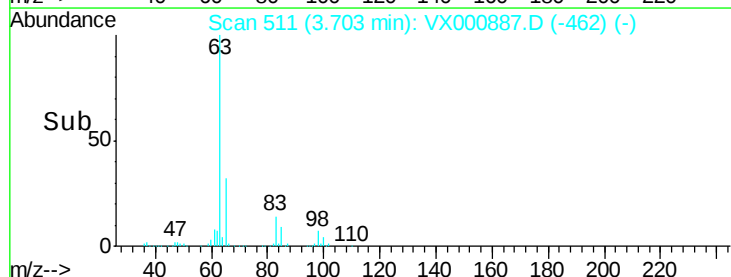
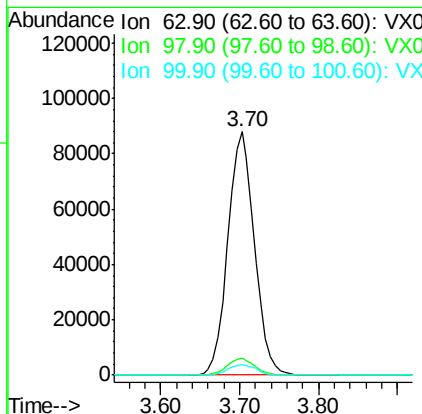
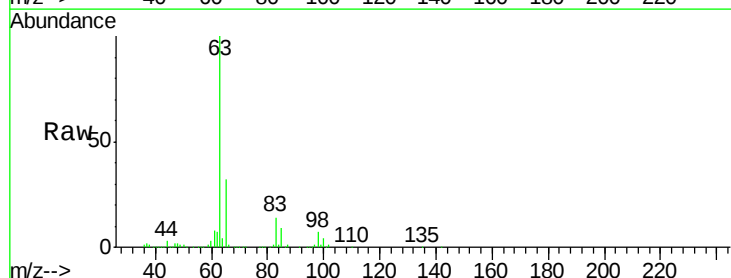
Tgt Ion: 63 Resp: 205758

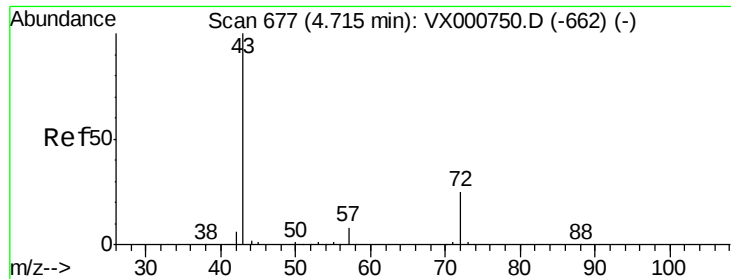
Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

100 4.3 2.1 6.3





#25

2-Butanone

Concen: 280.96 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 476926

Ion Ratio Lower Upper

43 100

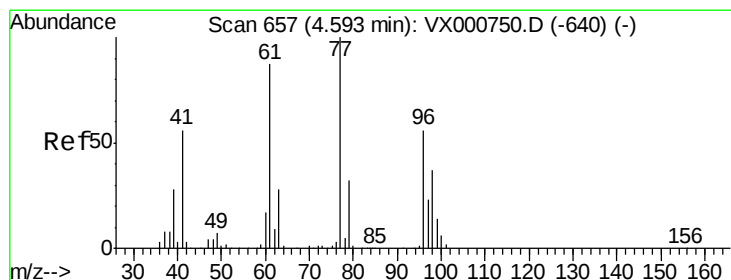
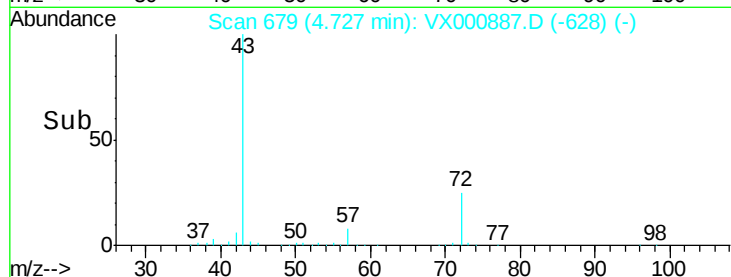
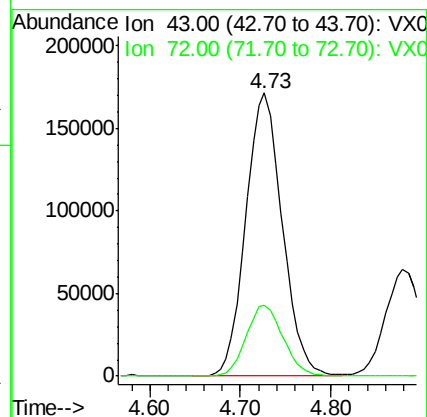
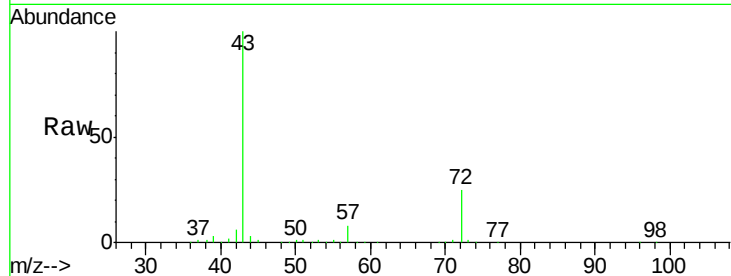
72 25.0 20.3 30.5

Manual Integrations

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MMDadoda

4/16/2018 12:51:34 PM



#26

2,2-Dichloropropane

Concen: 37.14 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX000887.D

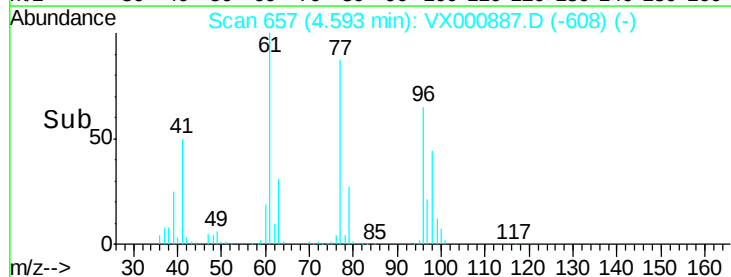
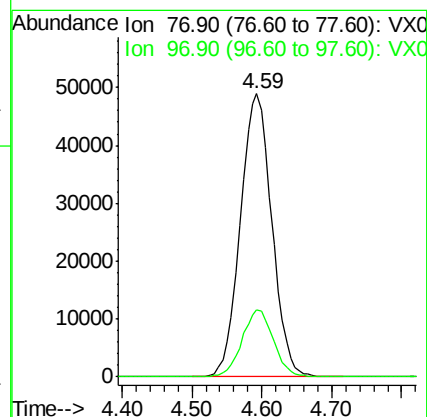
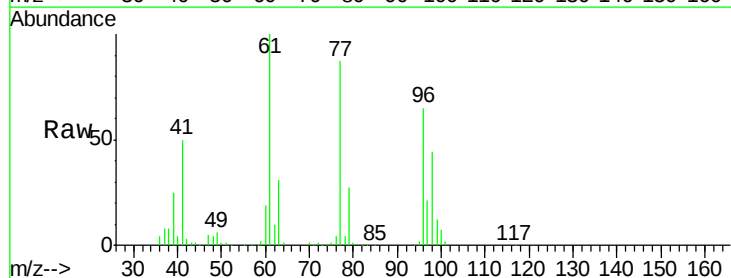
Acq: 14 Apr 2018 20:36

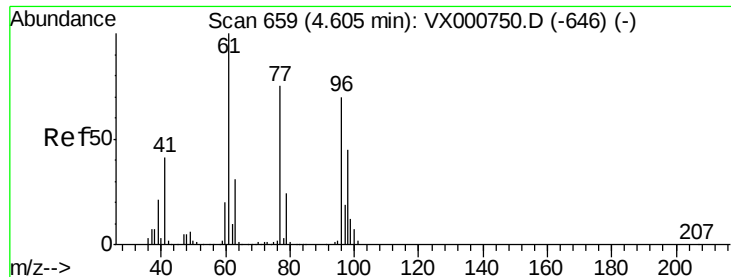
Tgt Ion: 77 Resp: 152522

Ion Ratio Lower Upper

77 100

97 23.6 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 50.73 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Instrument :

MSVOA_X

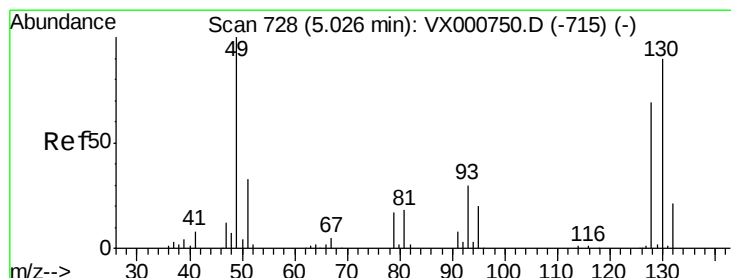
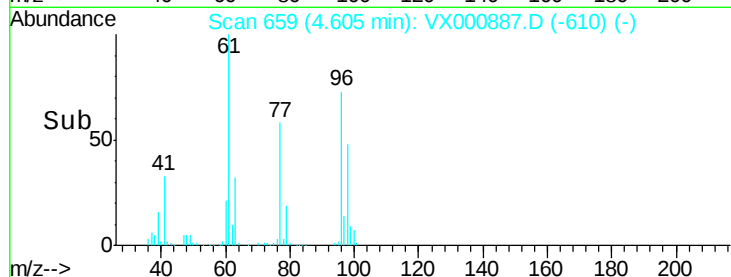
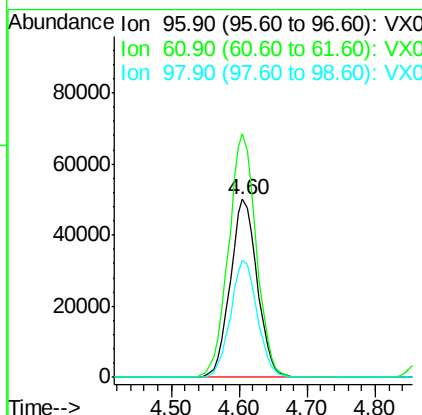
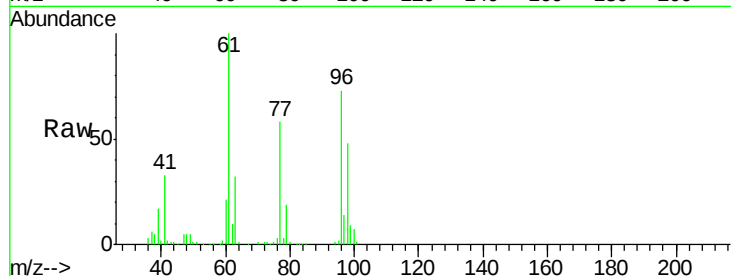
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	137743
Ion	Ratio	Lower	Upper
96	100		
61	140.5	0.0	292.4
98	65.2	0.0	130.2

Manual Integrations
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#28

Bromochloromethane

Concen: 50.13 ug/l

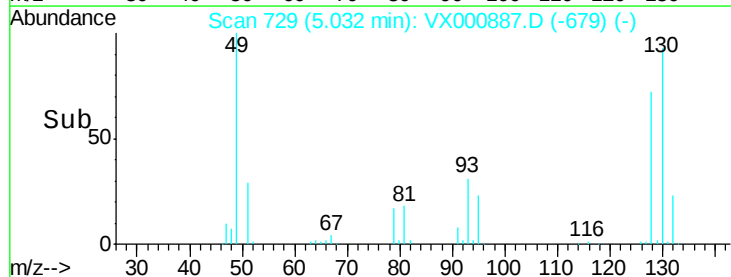
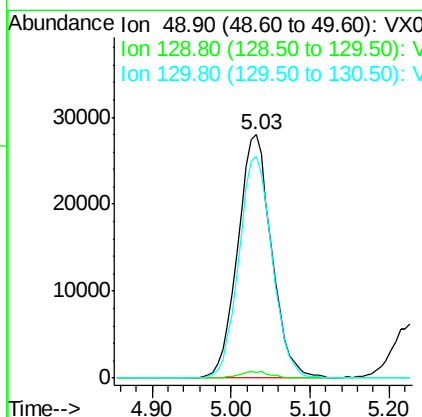
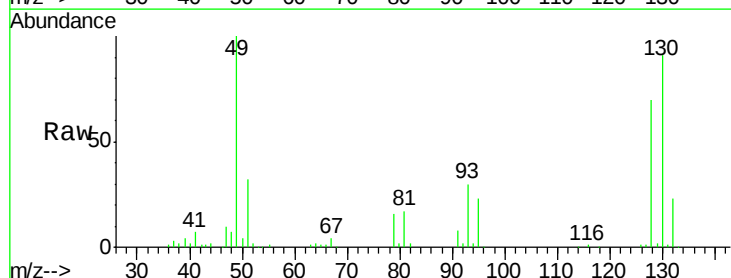
RT: 5.03 min Scan# 729

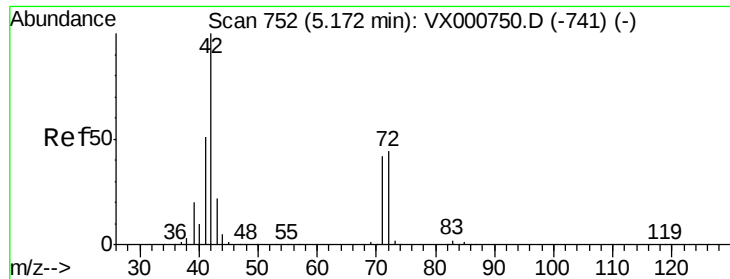
Delta R.T. 0.01 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Tgt Ion:	49	Resp:	83511
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.2
130	89.7	72.6	109.0





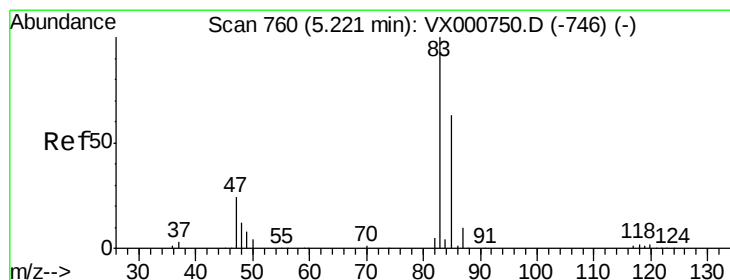
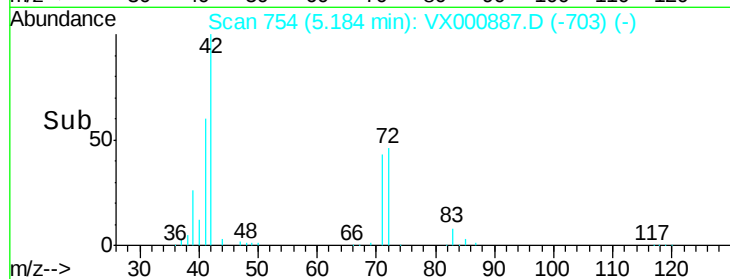
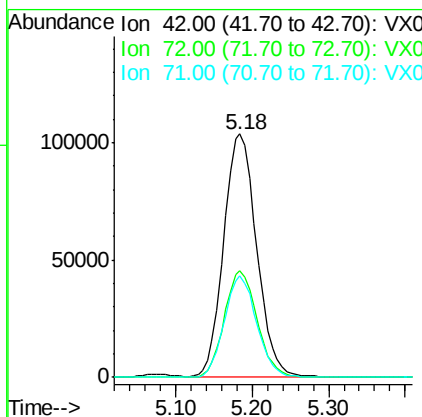
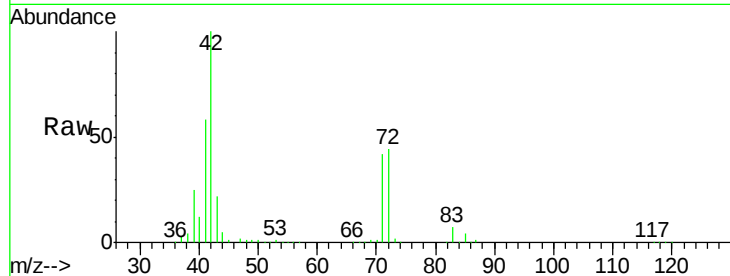
#29
Tetrahydrofuran
Concen: 285.88 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	35.1	52.7
71	41.1	32.8	49.2

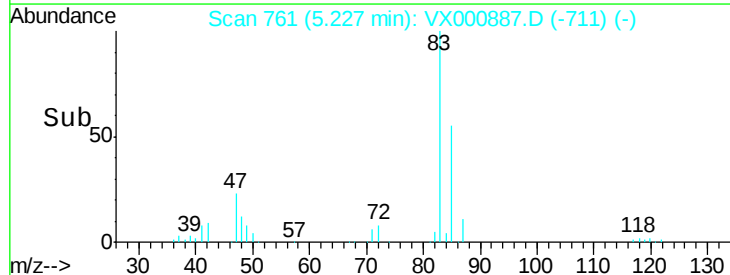
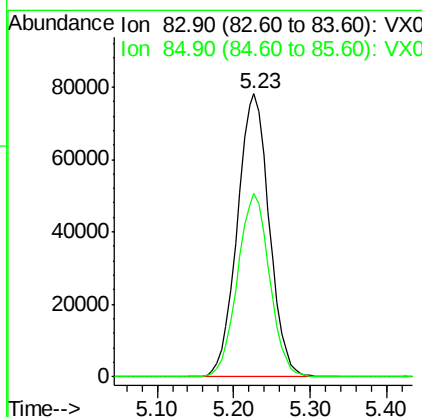
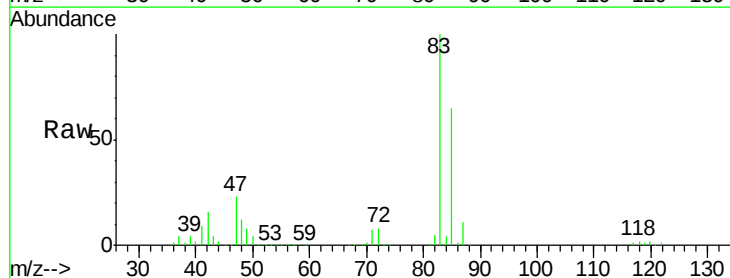
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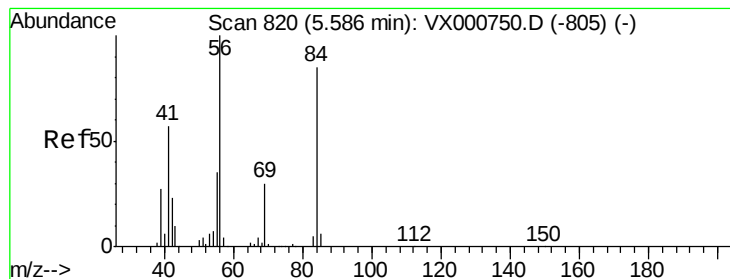
MMDadoda
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#30
Chloroform
Concen: 51.64 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.7	76.1





#31

Cyclohexane

Concen: 47.20 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.01 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Instrument :

MSVOA_X

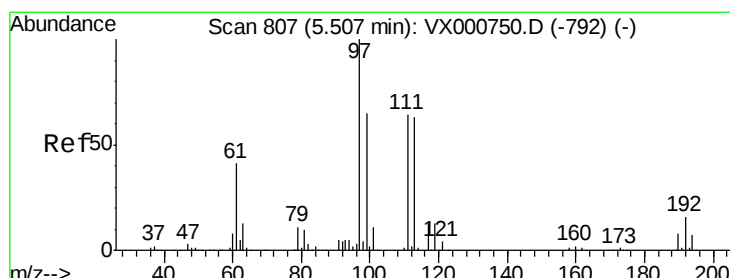
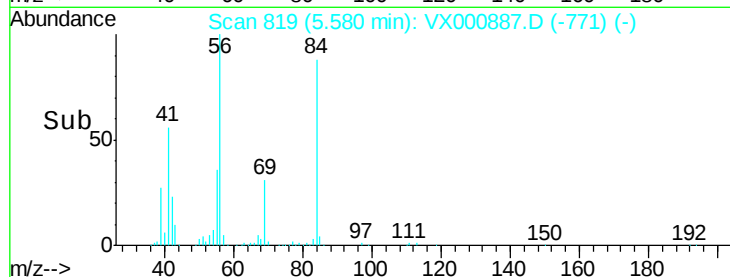
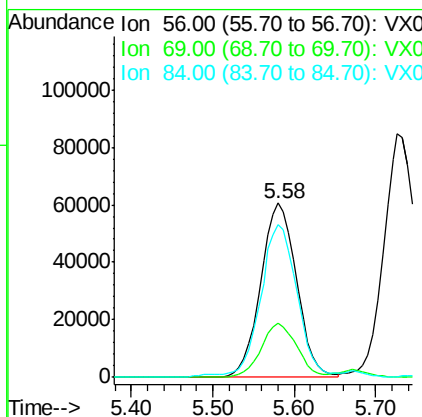
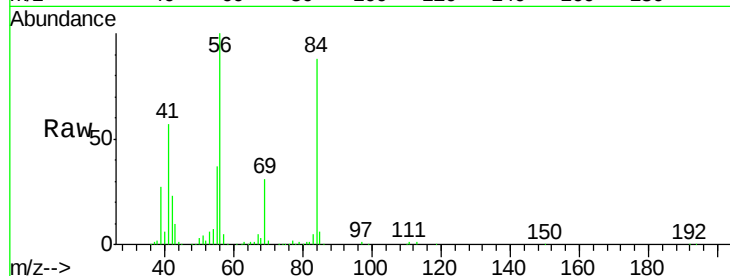
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	185464
Ion Ratio	Lower	Upper	
56	100		
69	31.0	24.2	36.4
84	87.0	67.6	101.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.77 ug/l

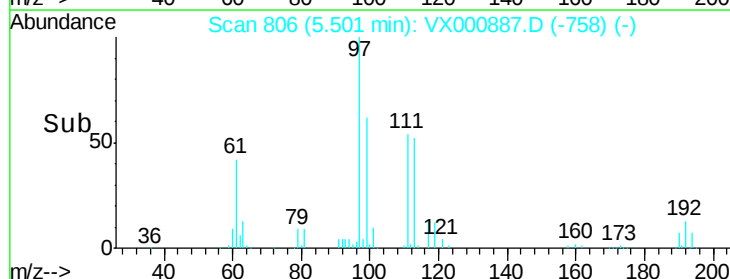
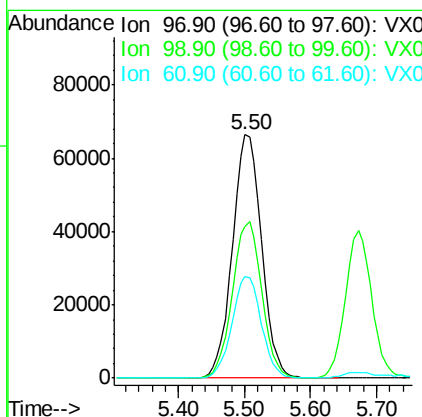
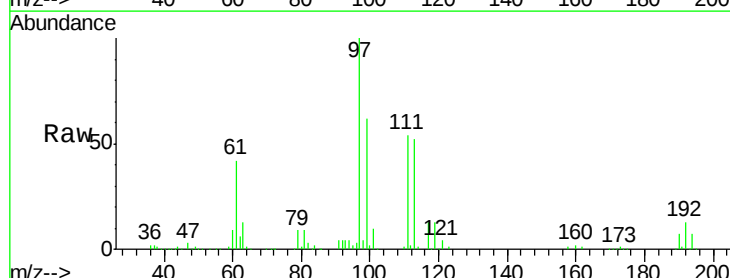
RT: 5.50 min Scan# 806

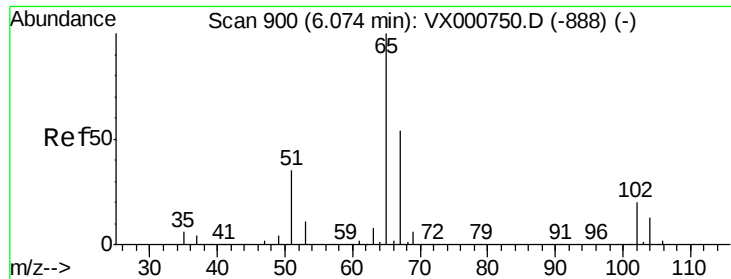
Delta R.T. -0.01 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Tgt Ion:	97	Resp:	203531
Ion Ratio	Lower	Upper	
97	100		
99	64.8	51.4	77.0
61	42.1	33.7	50.5





#33

1,2-Dichloroethane-d4

Concen: 48.24 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Tot Ion: 65 Resp: 143794

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.8

Instrument :

MSVOA_X

ClientSampleId :

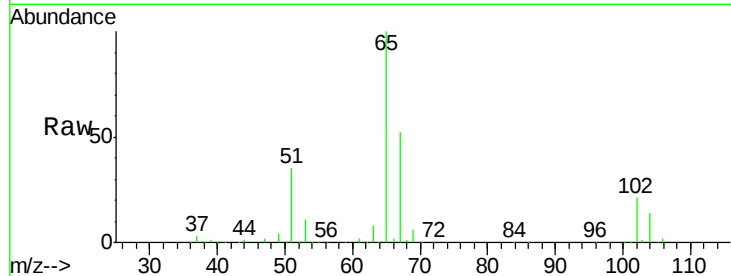
VSTDCCC050EC

Manual Integrations

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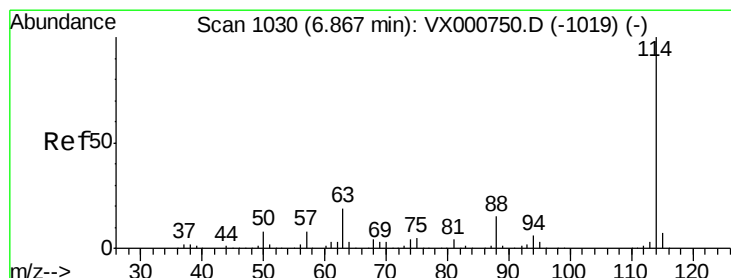
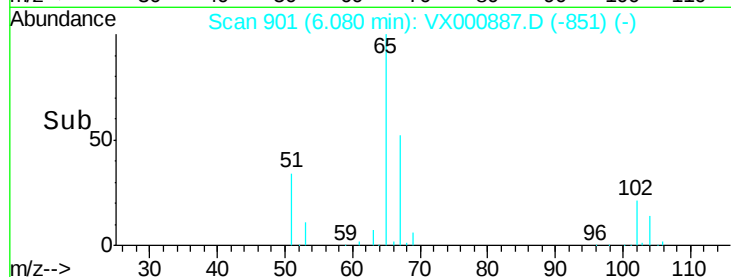
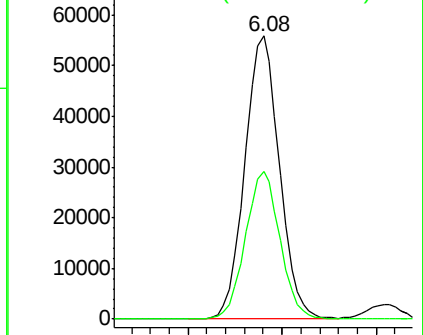
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

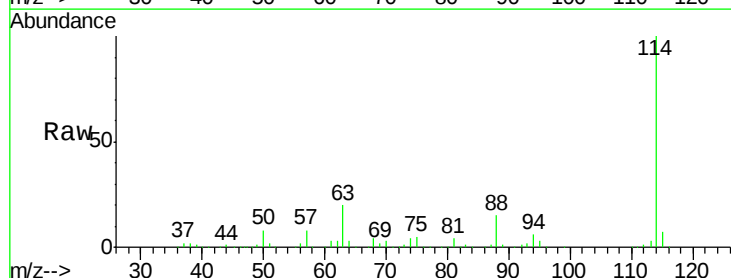
Tgt Ion: 114 Resp: 322908

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

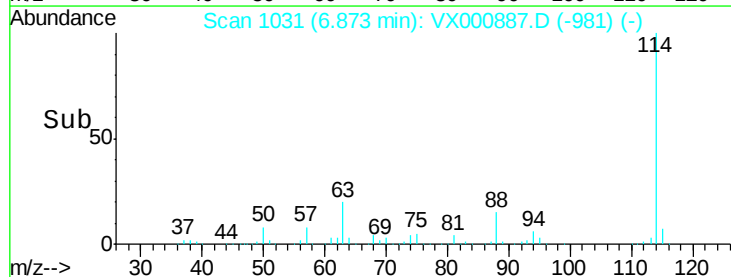
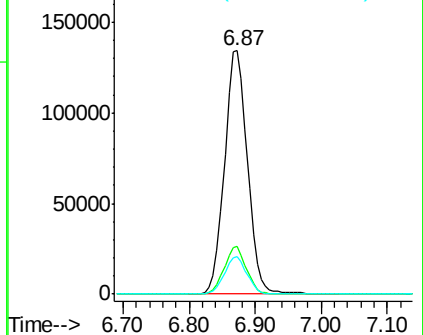
88 15.5 0.0 31.0

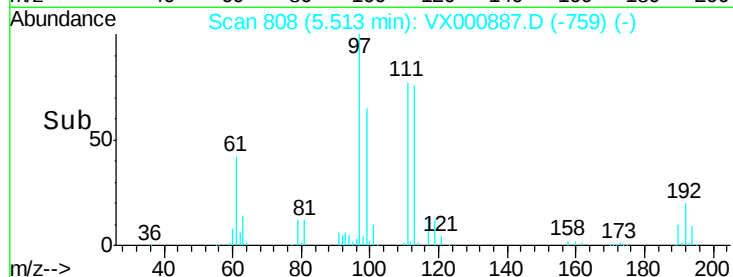
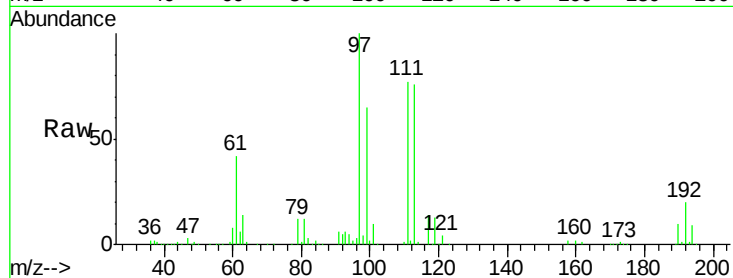
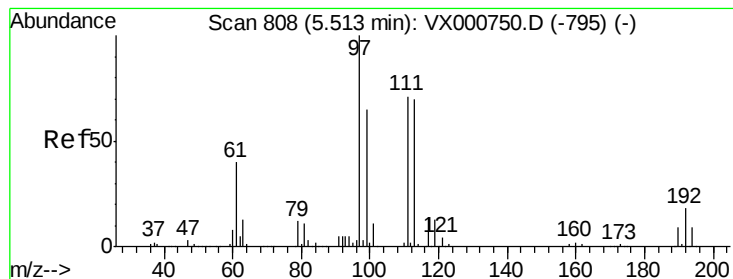


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.84 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Tot Ion:	113	Resp:	124003
Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.5	122.3
192	25.9	20.4	30.6

Instrument :

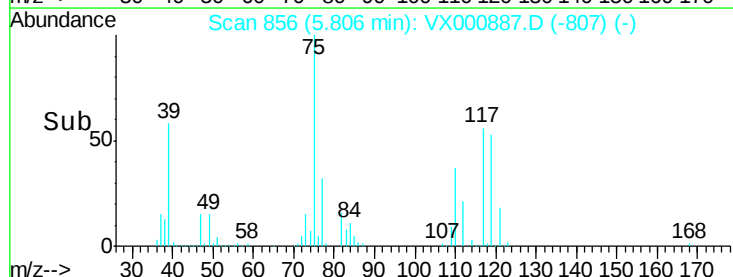
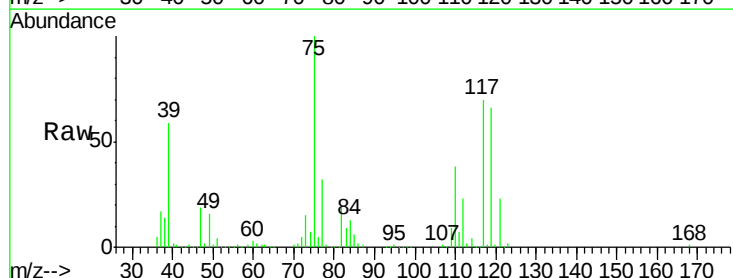
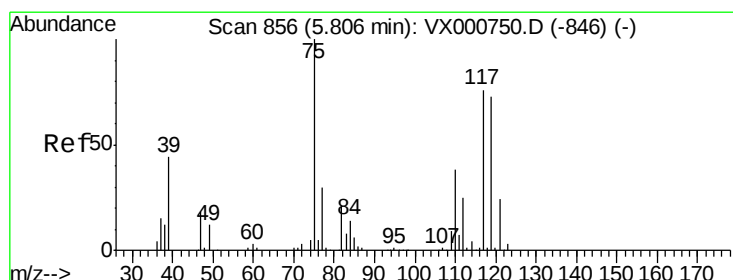
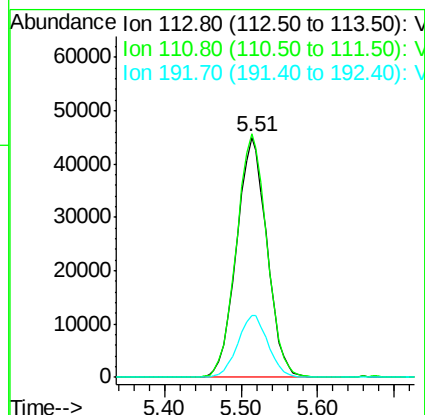
MSVOA_X

ClientSampleId :

VSTDCCC050EC

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#36

1,1-Dichloropropene

Concen: 47.03 ug/l

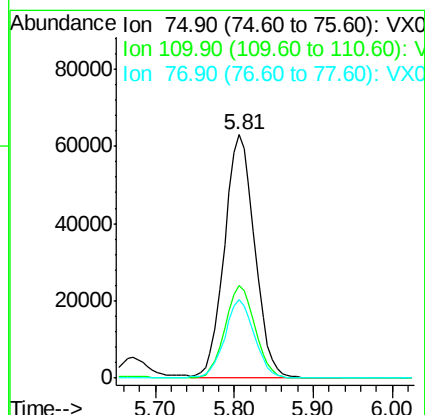
RT: 5.81 min Scan# 856

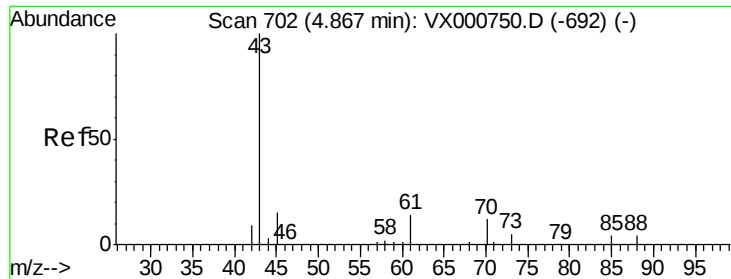
Delta R.T. 0.00 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Tgt Ion:	75	Resp:	167245
Ion	Ratio	Lower	Upper
75	100		
110	38.2	19.2	57.6
77	32.3	25.4	38.2





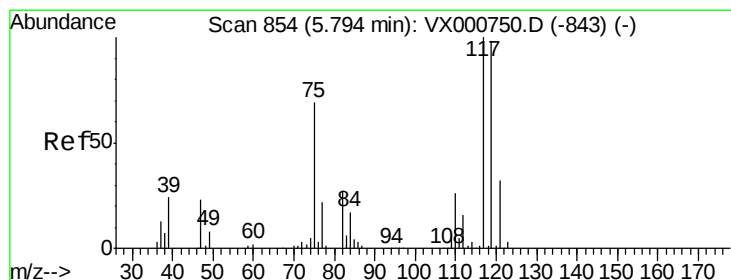
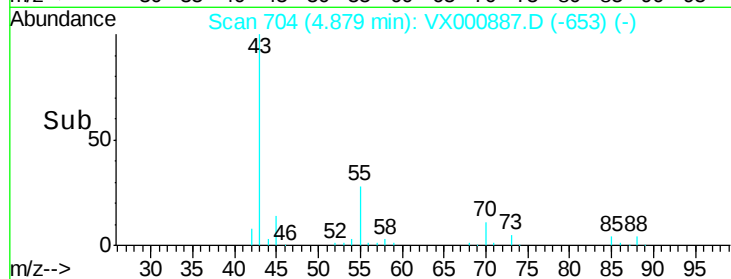
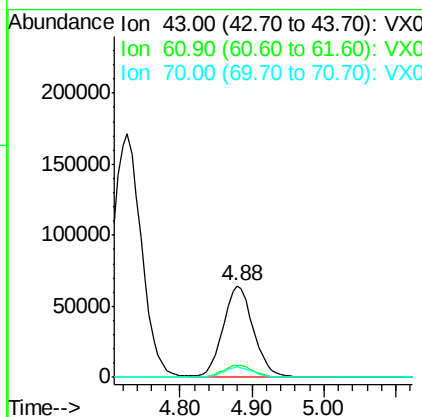
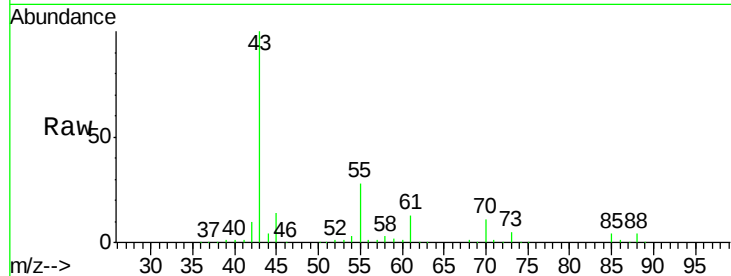
#37
Ethyl Acetate
Concen: 53.67 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	186344
Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.4
70	10.7	8.7	13.1

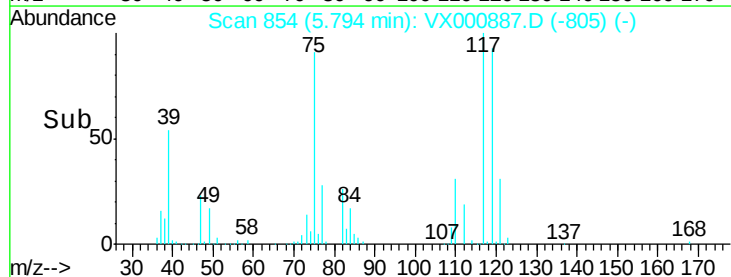
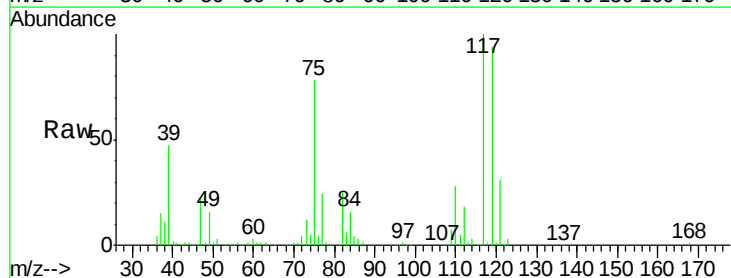
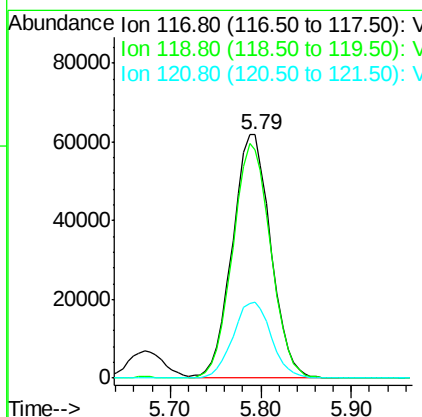
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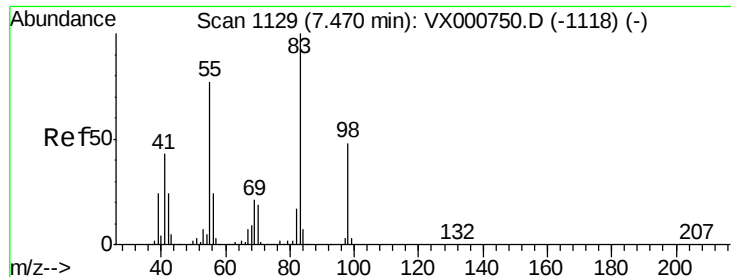
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#38
Carbon Tetrachloride
Concen: 45.43 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.00 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Tgt Ion:	117	Resp:	180842
Ion	Ratio	Lower	Upper
117	100		
119	93.9	78.4	117.6
121	31.1	25.4	38.0





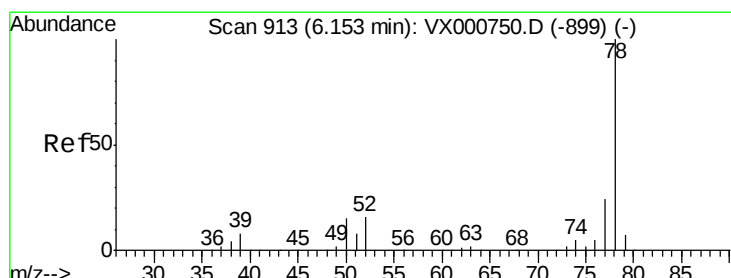
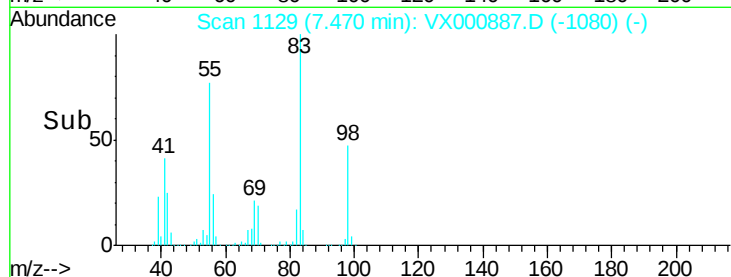
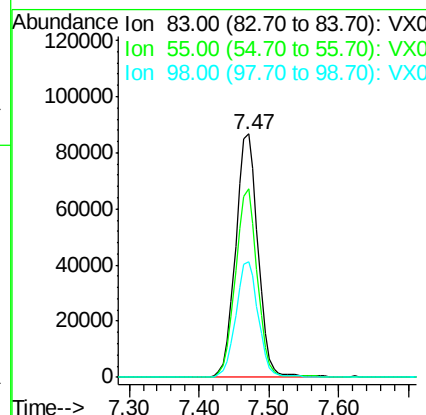
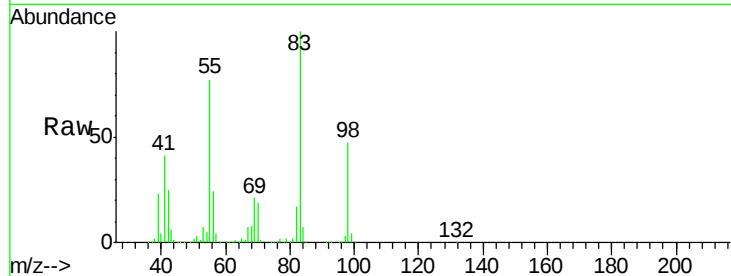
#39
Methvlcvclohexane
Concen: 45.24 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	193196		
55	77.2	61.5	92.3	
98	47.3	38.1	57.1	

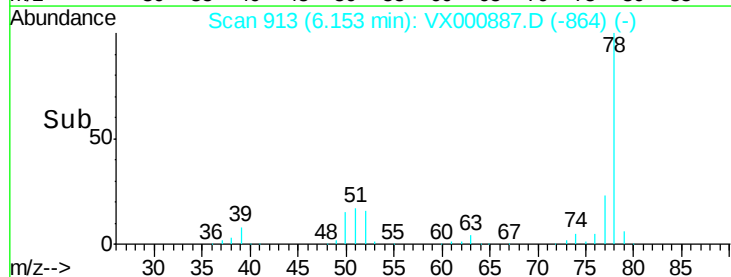
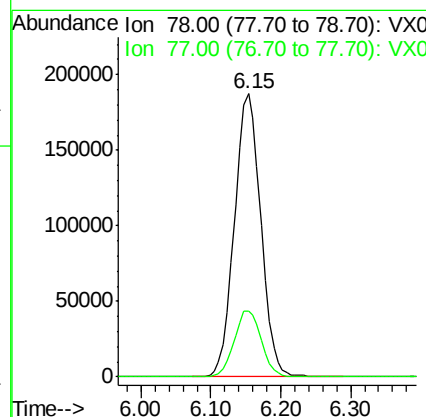
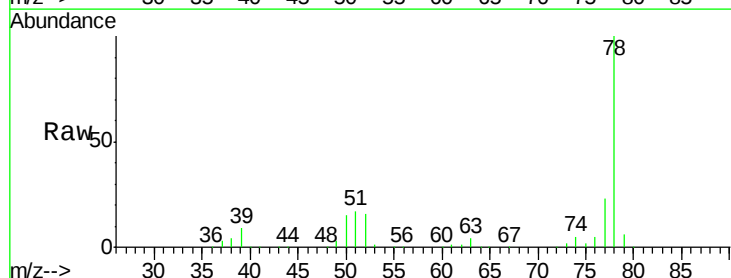
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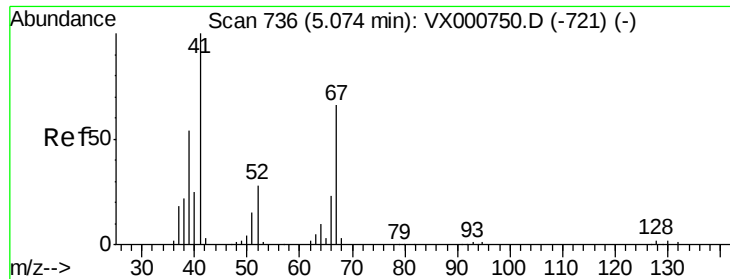
MMDadoda
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#40
Benzene
Concen: 49.78 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	491871		
77	23.2	19.0	28.6	





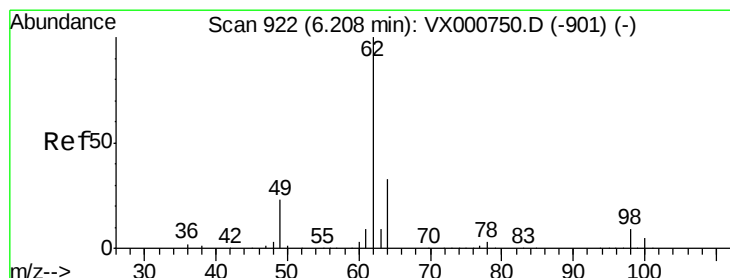
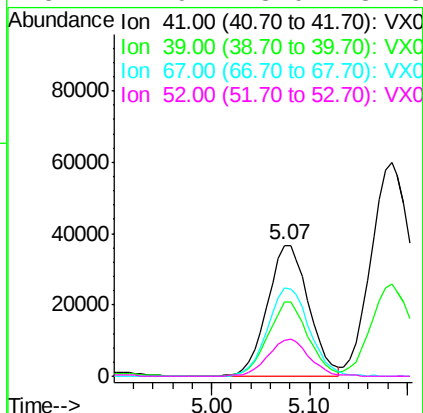
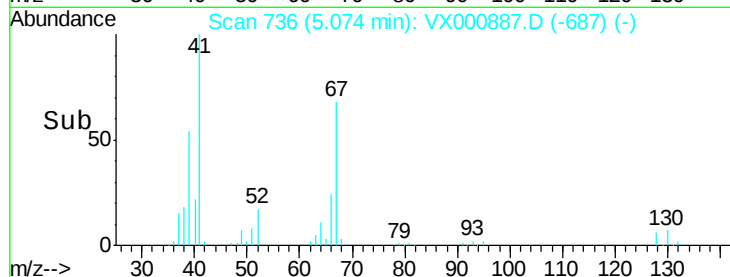
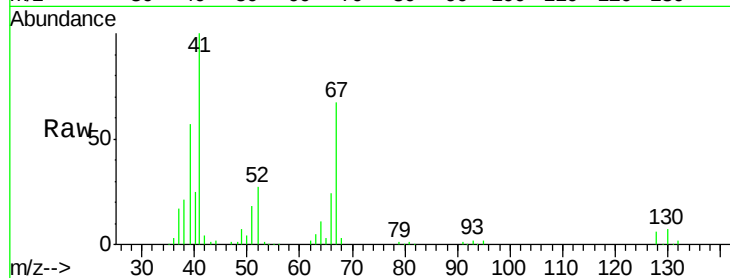
#41
Methacrylonitrile
Concen: 53.65 ug/l
RT: 5.07 min Scan# 736
Delta R.T. -0.00 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.0	44.9	67.3
67	68.8	54.7	82.1
52	27.9	23.0	34.6

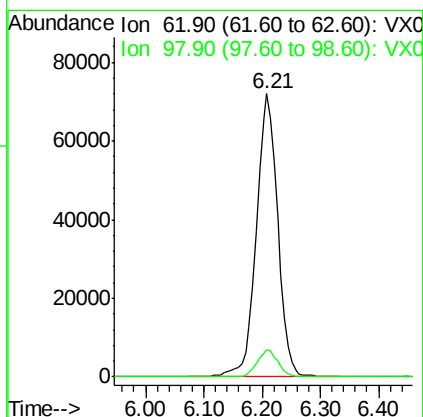
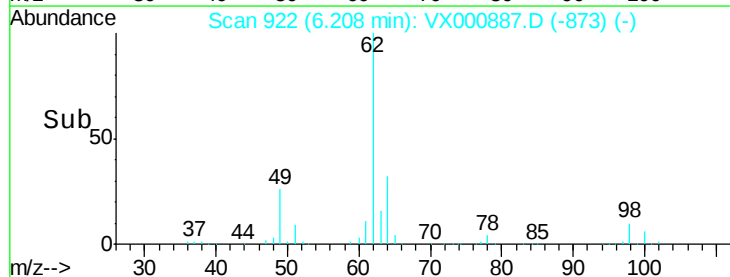
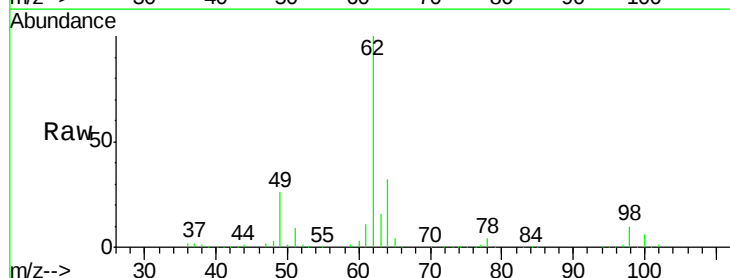
Manual Integrations
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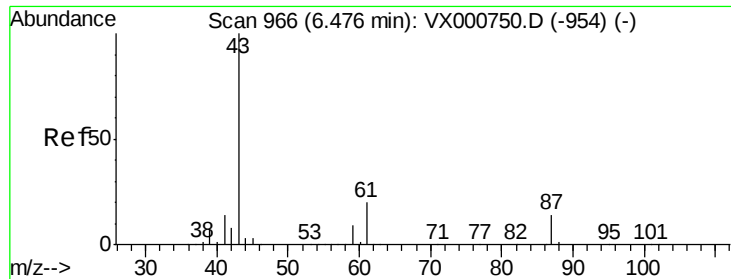
MMDadoda
4/16/2018 12:51:34 PM



#42
1,2-Dichloroethane
Concen: 49.78 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.6





#43

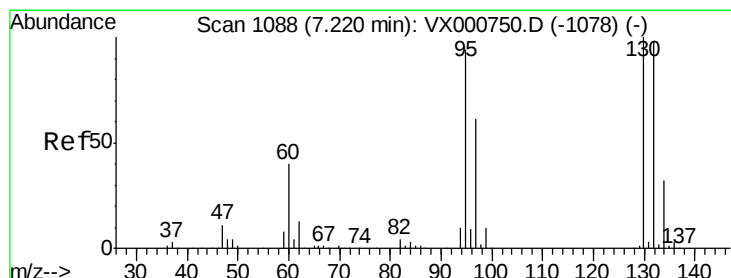
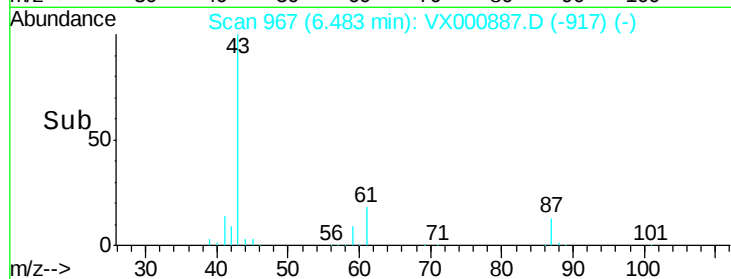
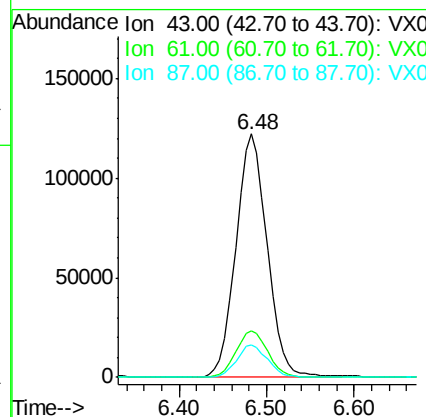
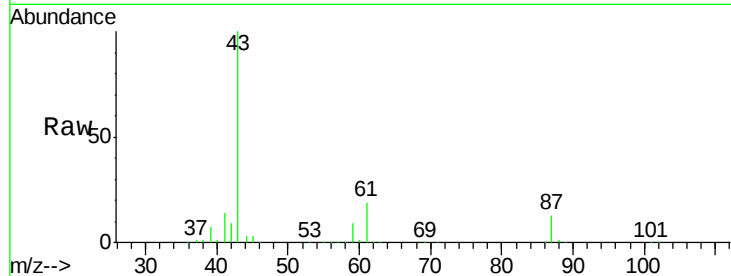
Isopropyl Acetate
 Concen: 50.75 ug/l
 RT: 6.48 min Scan# 967
 Delta R.T. 0.01 min
 Lab File: VX000887.D
 Acq: 14 Apr 2018 20:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	43	Resp:	302089
Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.6	23.4
87	13.5	10.7	16.1

Manual Integrations
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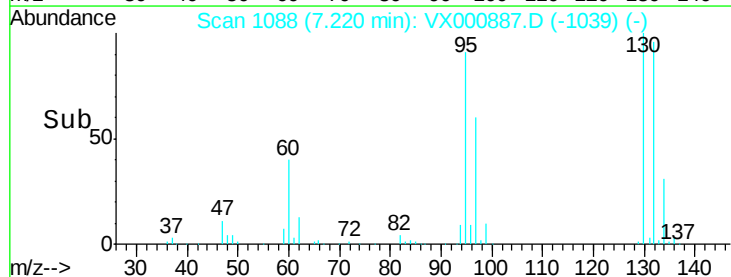
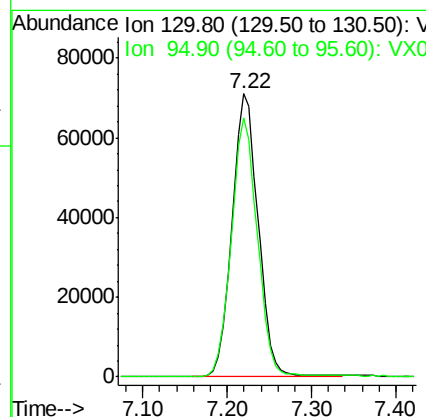
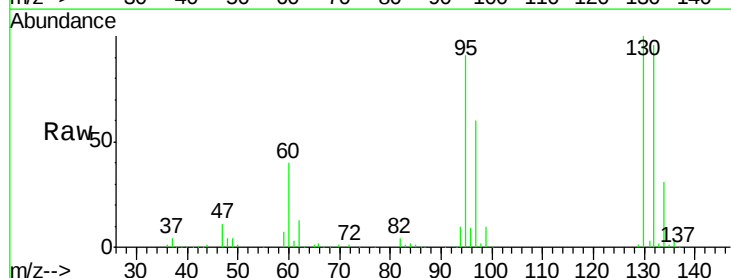
MMDadoda
 4/16/2018 12:51:34 PM

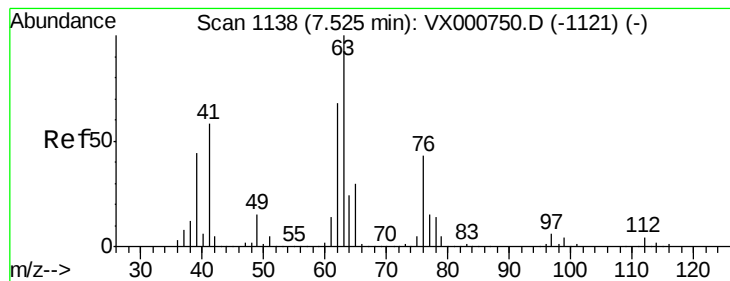


#44

Trichloroethene
 Concen: 48.89 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX000887.D
 Acq: 14 Apr 2018 20:36

Tgt Ion:	130	Resp:	150246
Ion	Ratio	Lower	Upper
130	100		
95	91.3	0.0	187.0





#45

1,2-Dichloropropane

Concen: 50.67 ug/l

RT: 7.53 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 127507

Ion Ratio Lower Upper

63 100

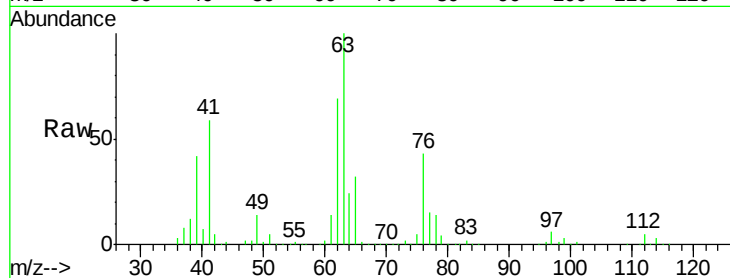
65 31.5 23.7 35.5

Manual Integrations

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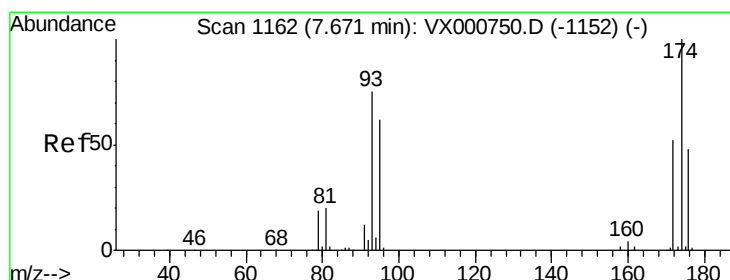
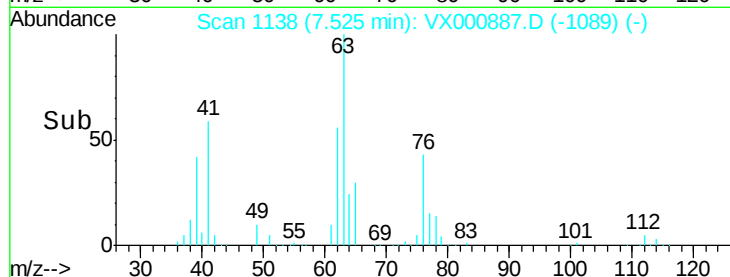
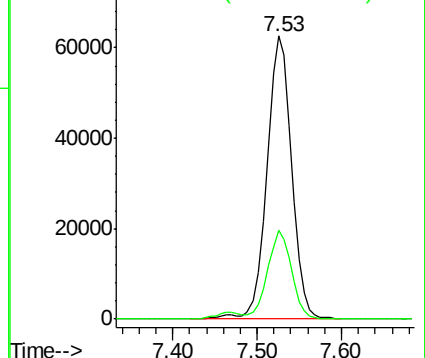
MMDadoda

4/16/2018 12:51:34 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 49.46 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

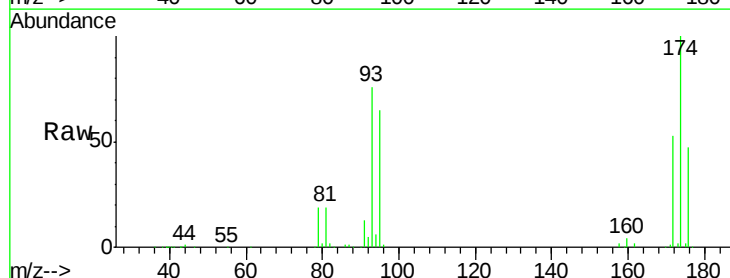
Tgt Ion: 93 Resp: 86774

Ion Ratio Lower Upper

93 100

95 84.5 66.6 100.0

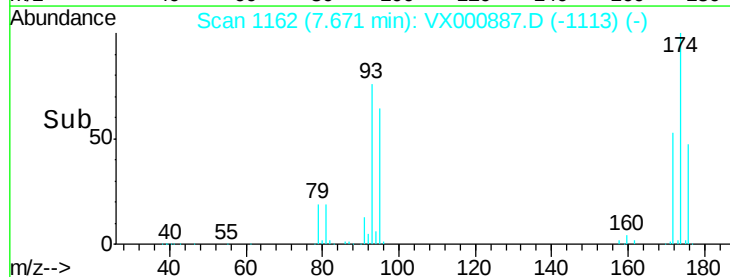
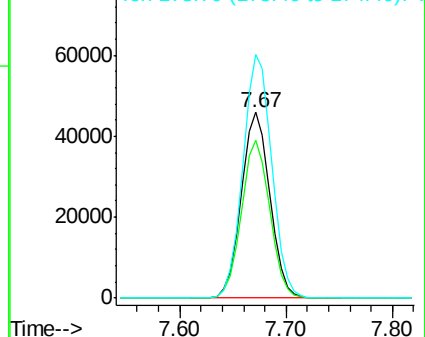
174 132.3 104.5 156.7

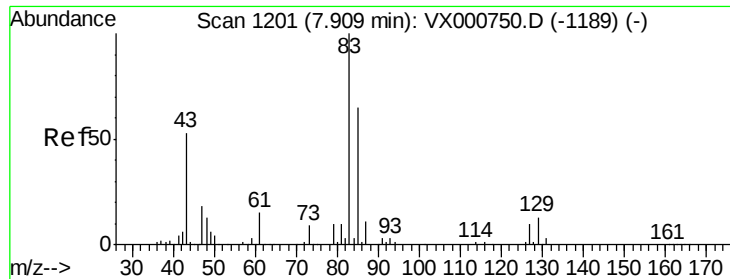


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





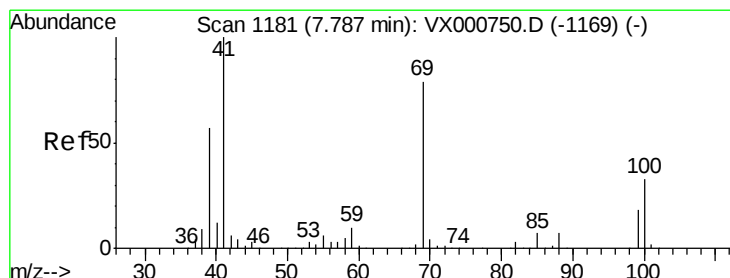
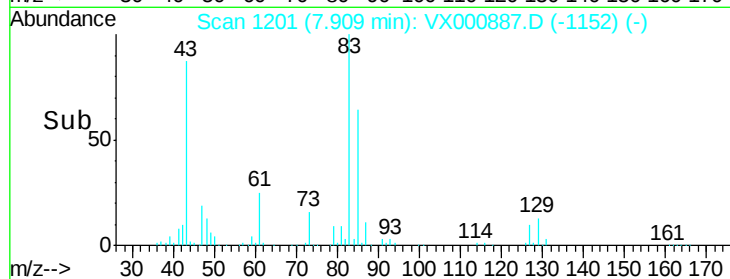
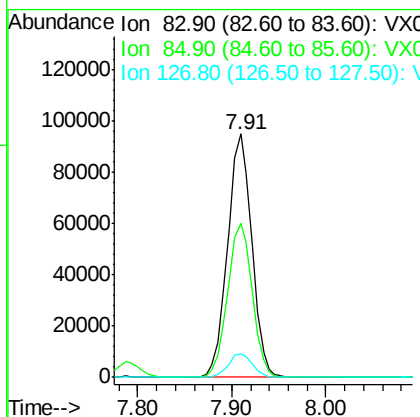
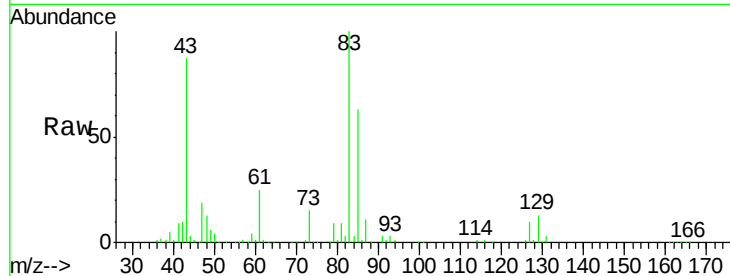
#47
Bromodichloromethane
Concen: 47.75 ug/l
RT: 7.91 min Scan# 1201
Delta R.T. -0.00 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.2	78.4
127	9.7	7.8	11.8

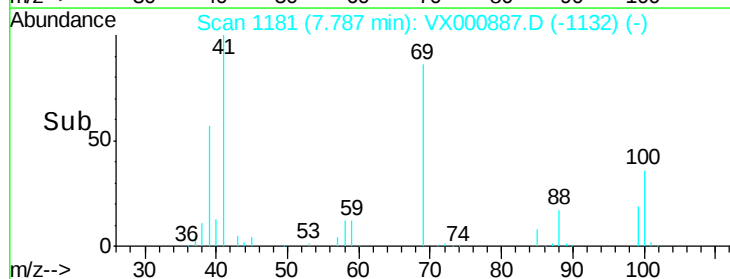
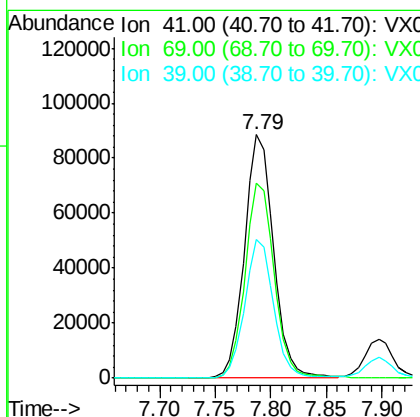
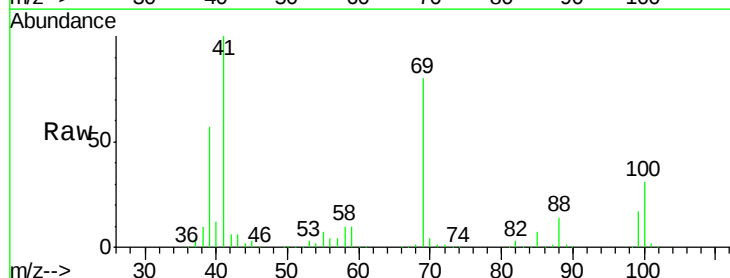
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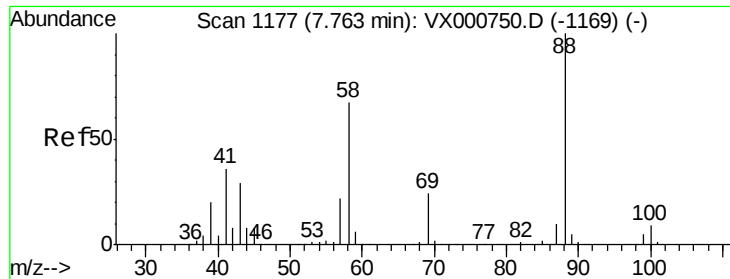
MMDadoda
4/16/2018 12:51:34 PM



#48
Methyl methacrylate
Concen: 52.07 ug/l
RT: 7.79 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Tgt Ion	Ratio	Lower	Upper
41	100		
69	81.4	63.9	95.9
39	56.1	45.9	68.9





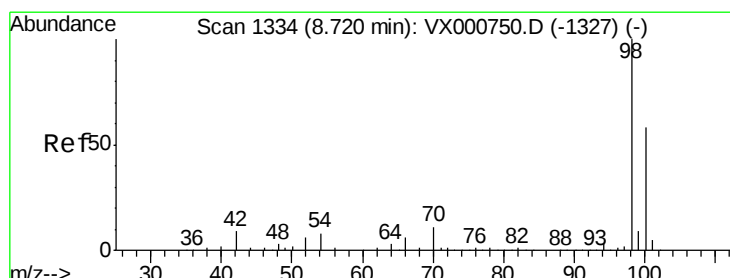
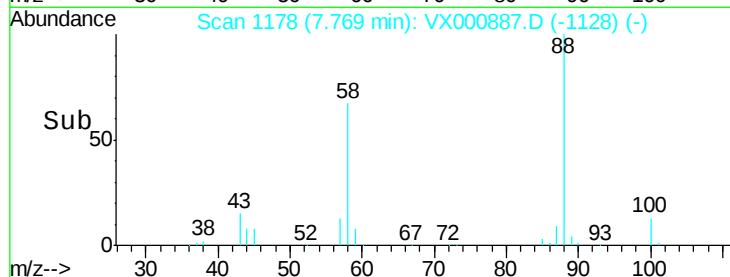
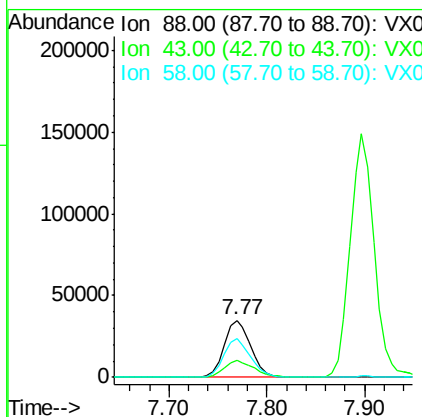
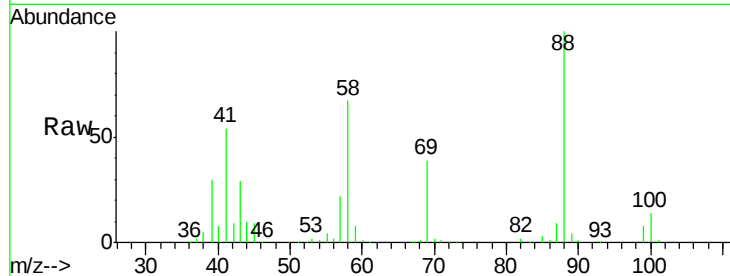
#49
1,4-Dioxane
Concen: 1056.40 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.3	25.8	38.8
58	69.1	54.4	81.6

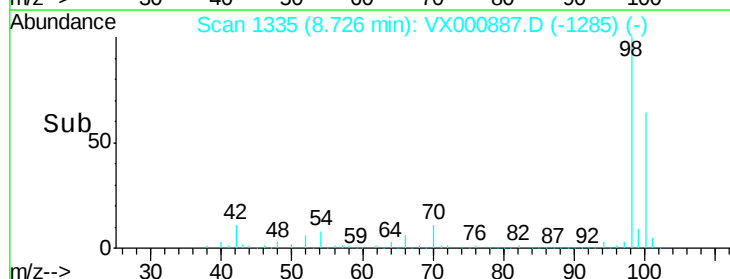
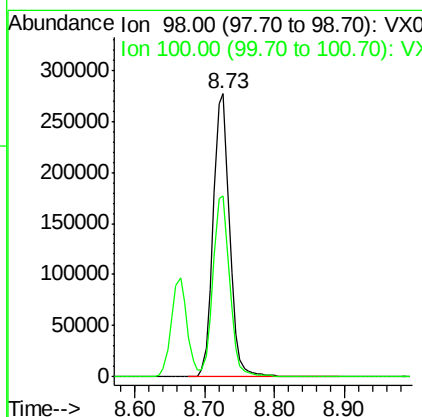
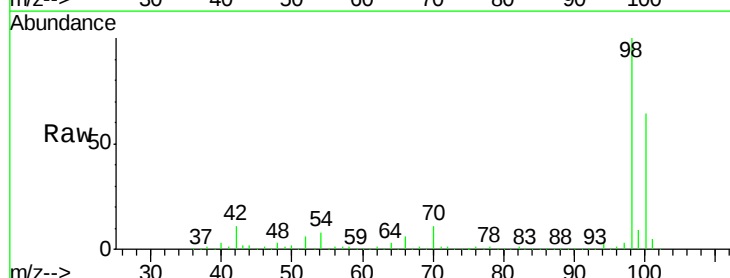
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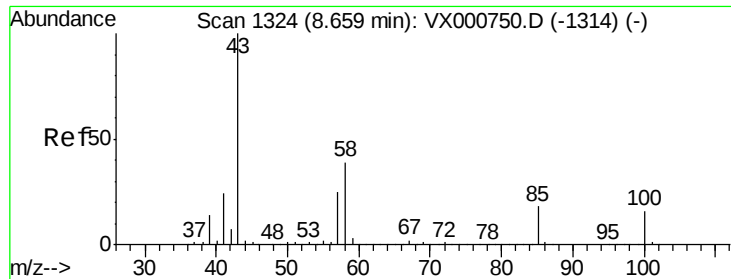
MMDadoda
4/16/2018 12:51:34 PM



#50
Toluene-d8
Concen: 48.85 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.01 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 278.24 ug/l

RT: 8.67 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 972823

Ion Ratio Lower Upper

43 100

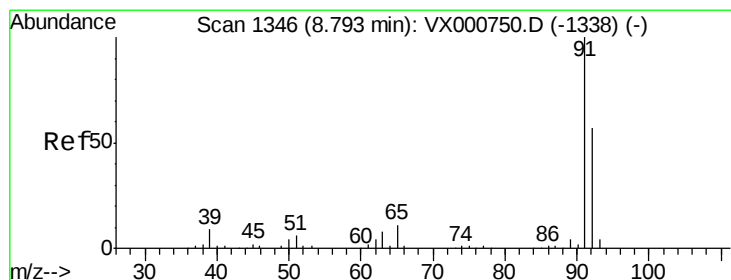
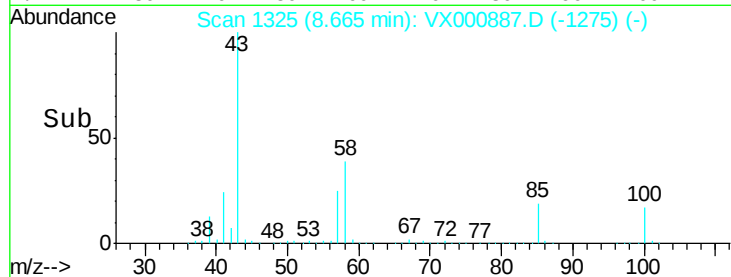
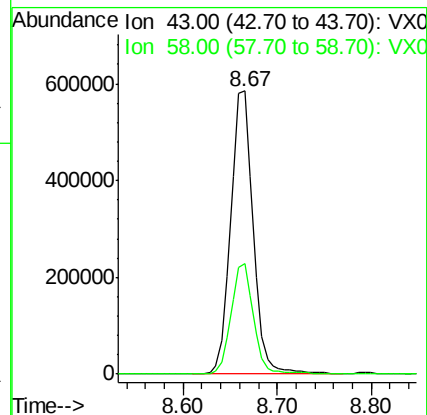
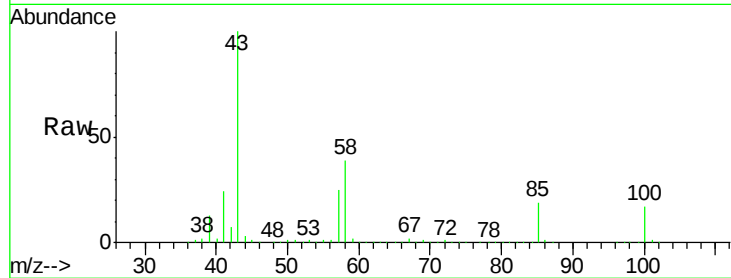
58 39.2 30.3 45.5

Manual Integrations

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#52

Toluene

Concen: 49.50 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000887.D

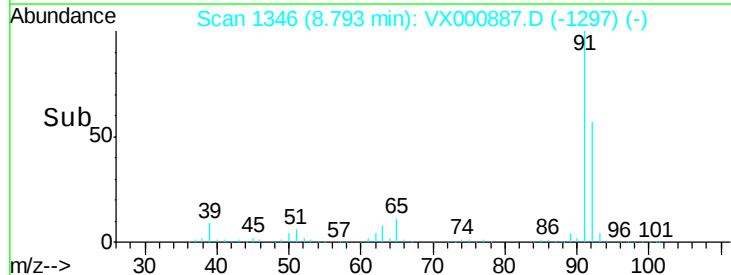
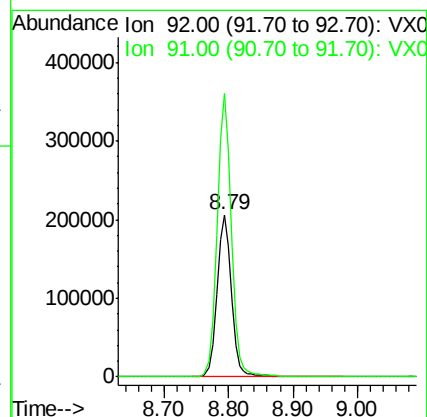
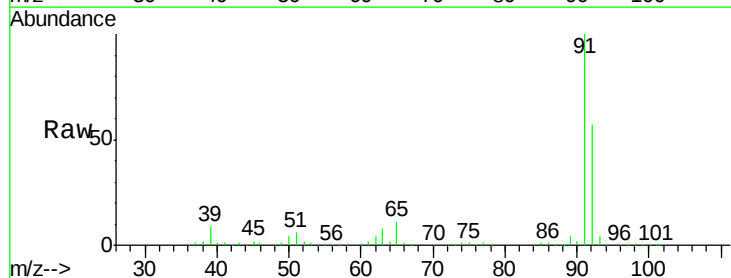
Acq: 14 Apr 2018 20:36

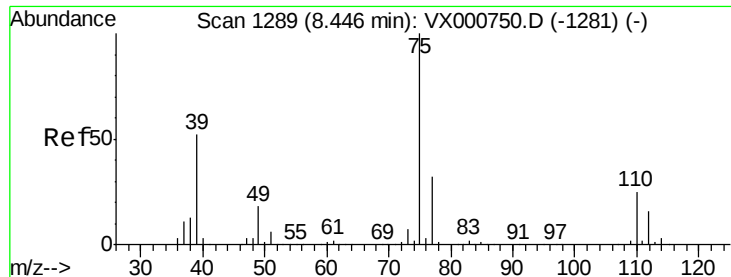
Tgt Ion: 92 Resp: 324492

Ion Ratio Lower Upper

92 100

91 172.9 139.0 208.4





#53

t-1,3-Dichloropropene

Concen: 46.50 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Tot Ion: 75 Resp: 197459

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.2

Instrument :

MSVOA_X

ClientSampleId :

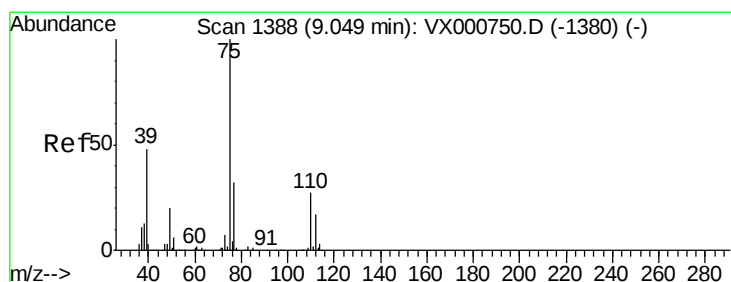
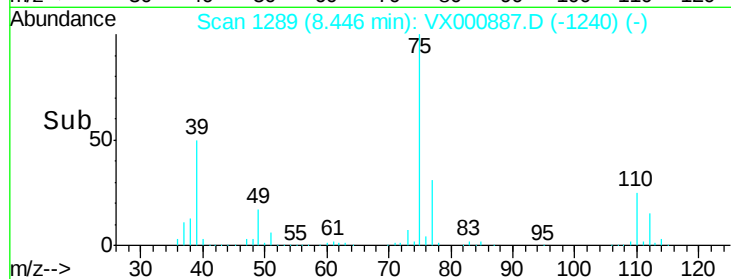
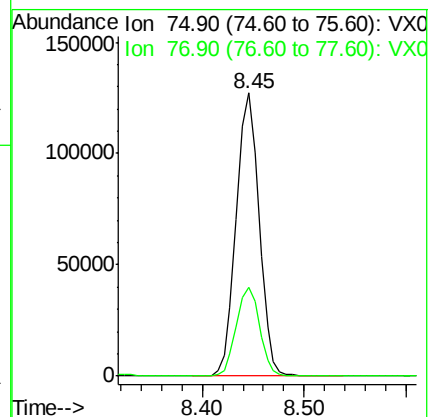
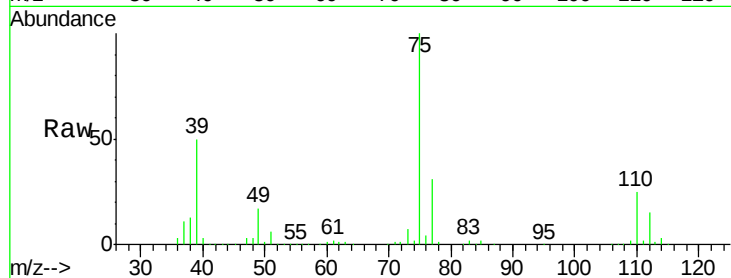
VSTDCCC050EC

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 46.08 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

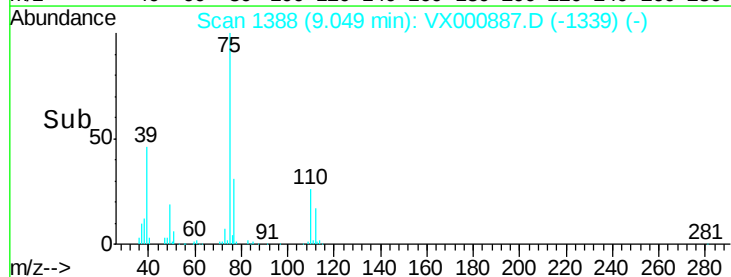
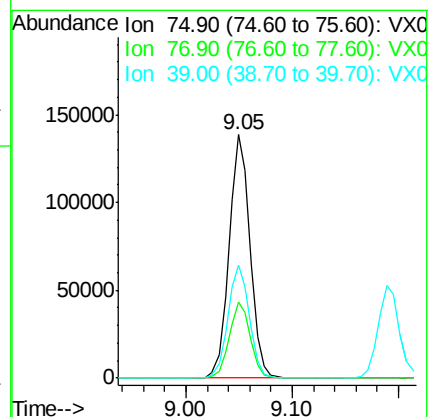
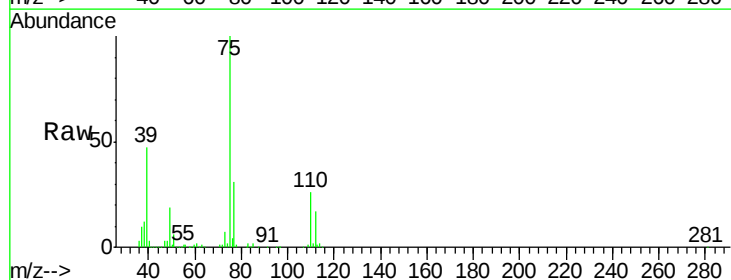
Tgt Ion: 75 Resp: 190546

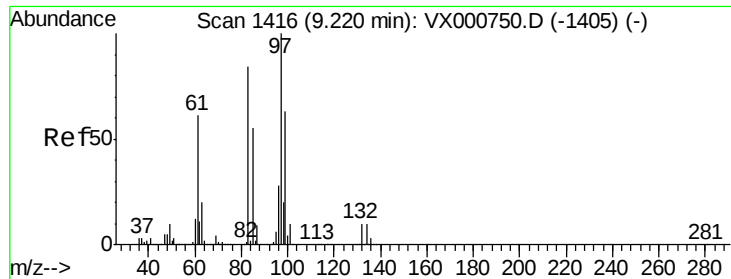
Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.2

39 46.5 38.6 58.0





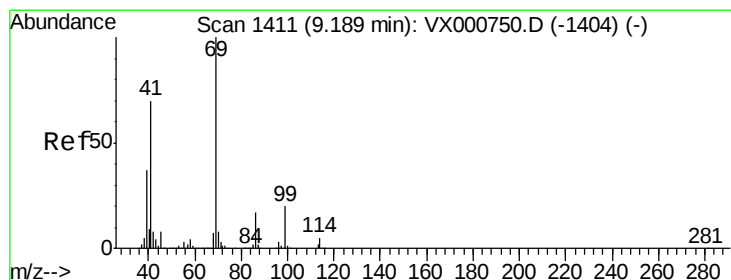
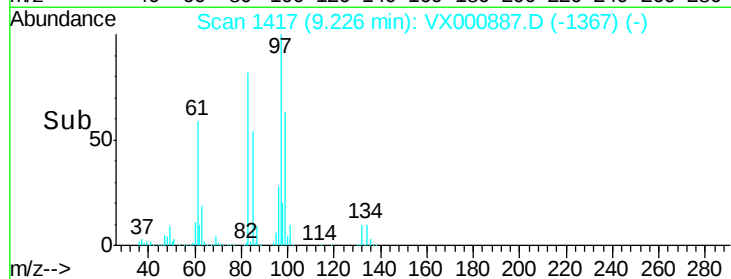
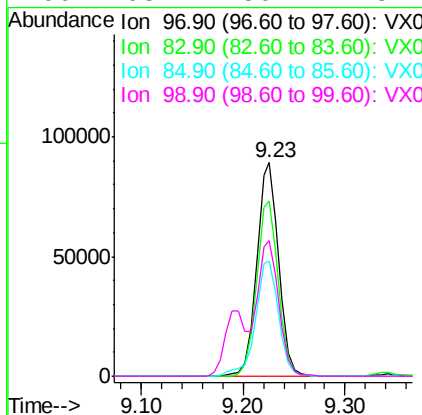
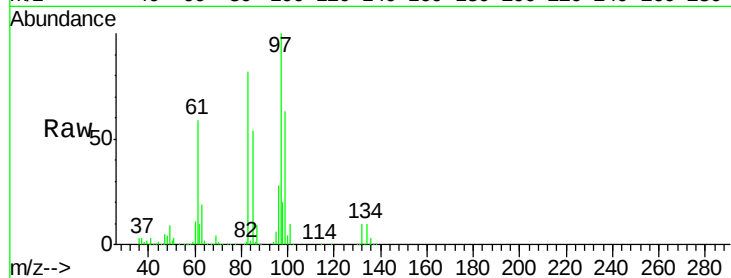
#55
 1,1,2-Trichloroethane
 Concen: 51.41 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VX000887.D
 Acq: 14 Apr 2018 20:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	133790
Ion	Ratio	Lower	Upper
97	100		
83	82.1	67.6	101.4
85	54.2	43.8	65.6
99	63.4	50.2	75.4

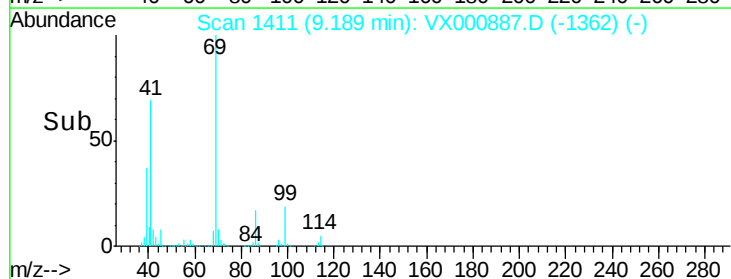
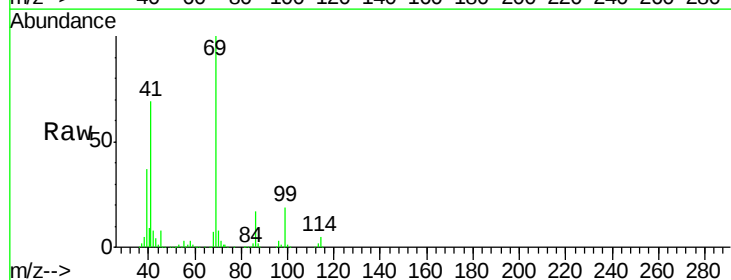
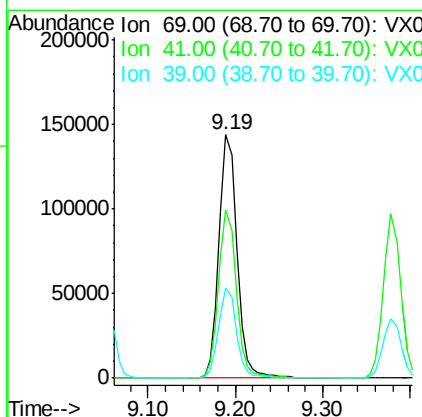
Manual Integrations
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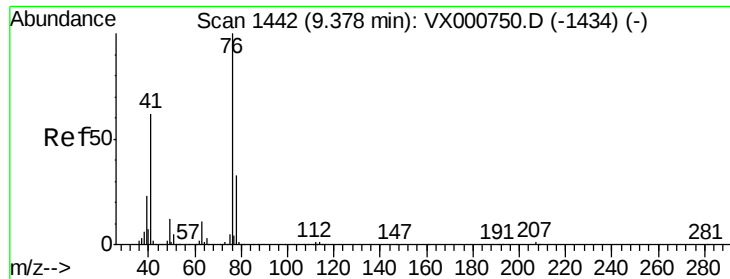
MMDadoda
 4/16/2018 12:51:34 PM



#56
 Ethyl methacrylate
 Concen: 51.32 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000887.D
 Acq: 14 Apr 2018 20:36

Tgt Ion:	69	Resp:	206047
Ion	Ratio	Lower	Upper
69	100		
41	68.2	55.6	83.4
39	36.7	30.3	45.5





#57

1,3-Dichloropropane

Concen: 52.26 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 216242

Ion Ratio Lower Upper

76 100

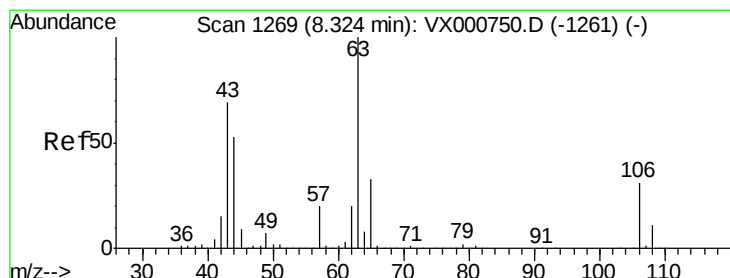
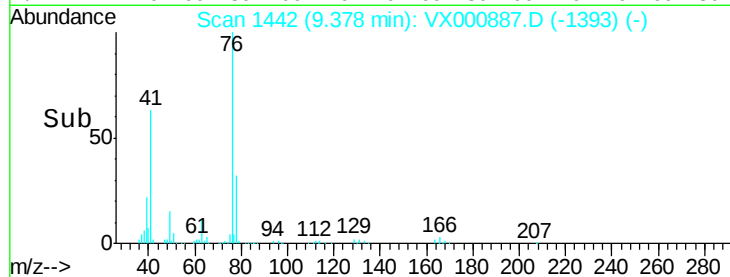
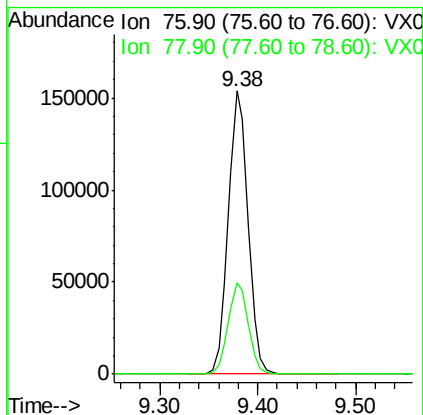
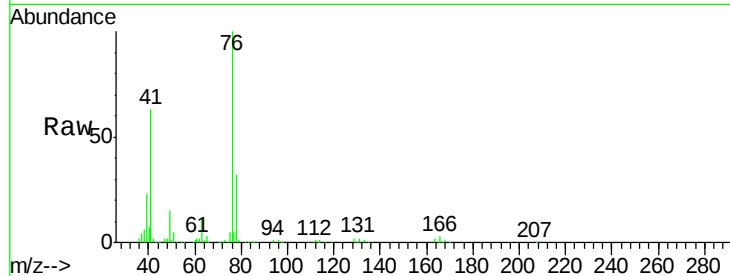
78 32.7 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

4/16/2018 12:51:34 PM



#58

2-Chloroethyl Vinyl ether

Concen: 263.18 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VX000887.D

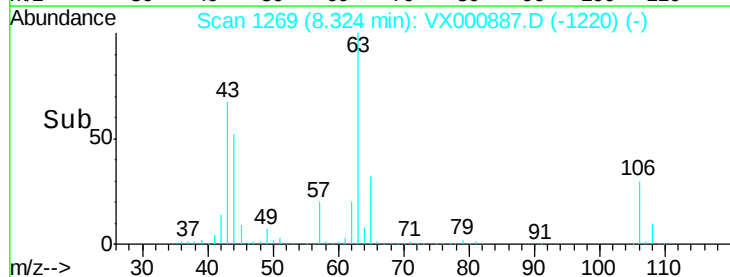
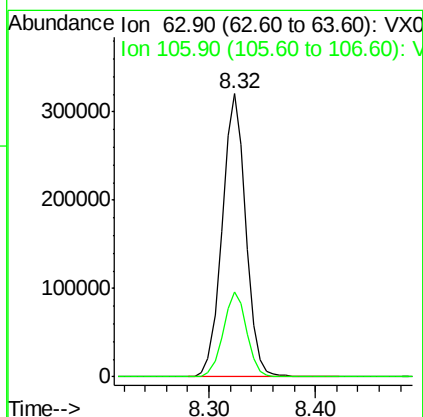
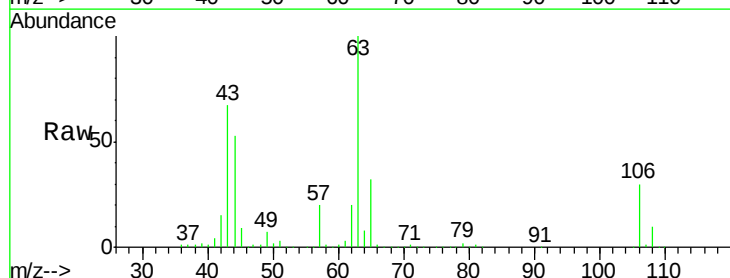
Acq: 14 Apr 2018 20:36

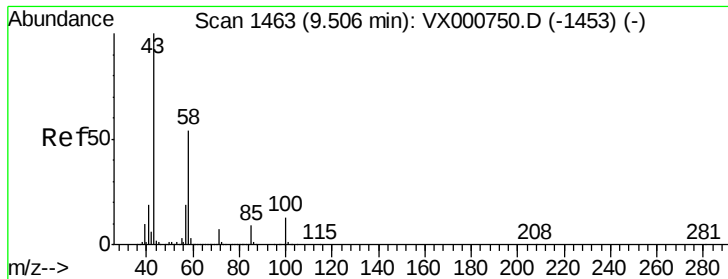
Tgt Ion: 63 Resp: 493657

Ion Ratio Lower Upper

63 100

106 30.0 24.3 36.5





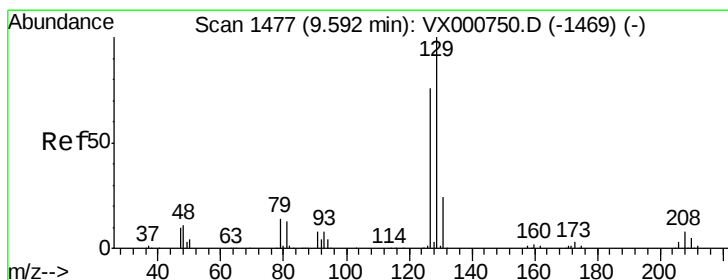
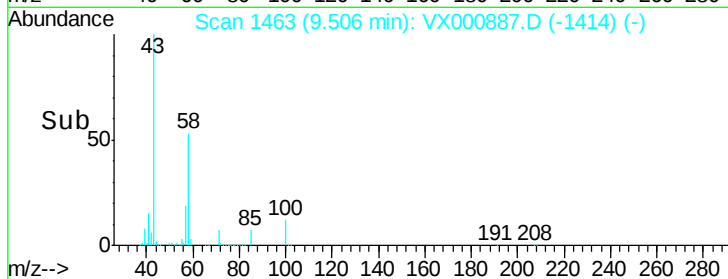
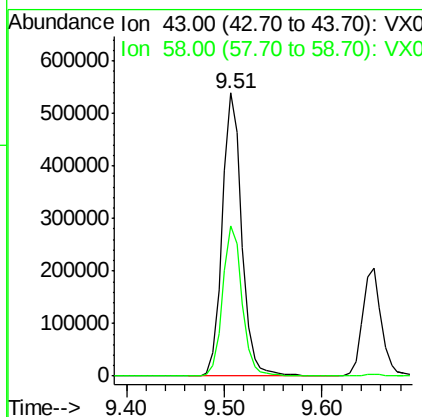
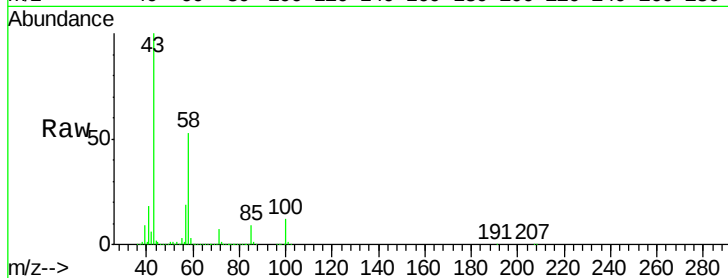
#59
2-Hexanone
Concen: 276.01 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.3	26.5	79.5

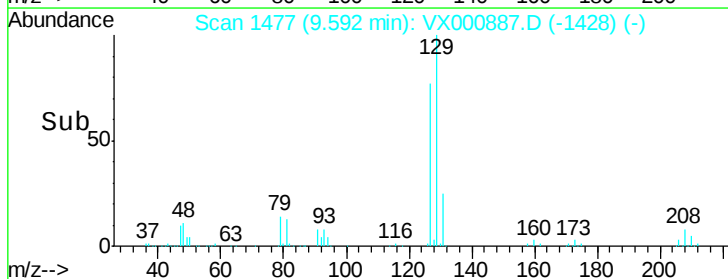
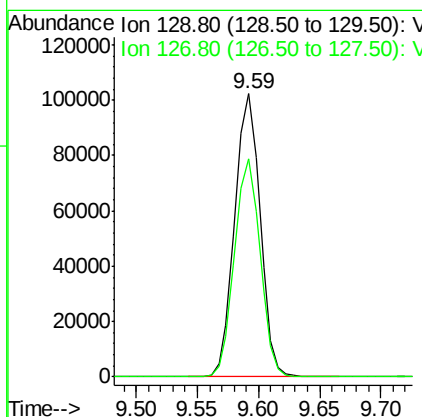
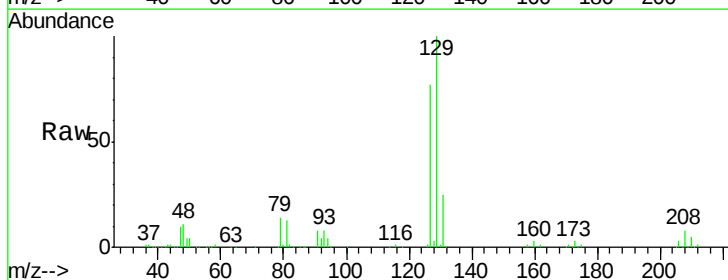
Manual Integrations
APPROVED

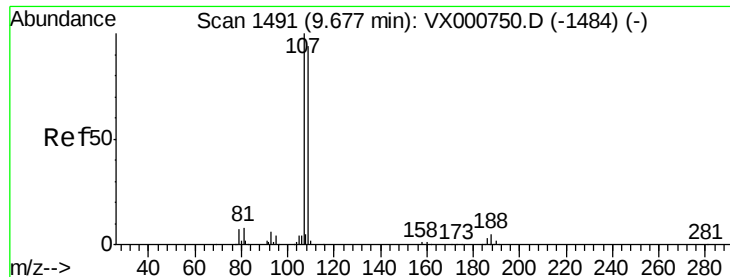
MMDadoda
4/16/2018 12:51:34 PM



#60
Dibromochloromethane
Concen: 47.29 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.4	115.1





#61

1,2-Dibromoethane

Concen: 51.68 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 142688

Ion Ratio Lower Upper

107 100

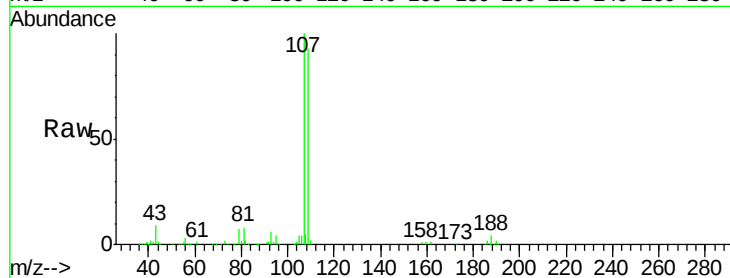
109 94.5 76.2 114.4

Manual Integrations

APPROVED

MMDadoda

4/16/2018 12:51:34 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

100000

80000

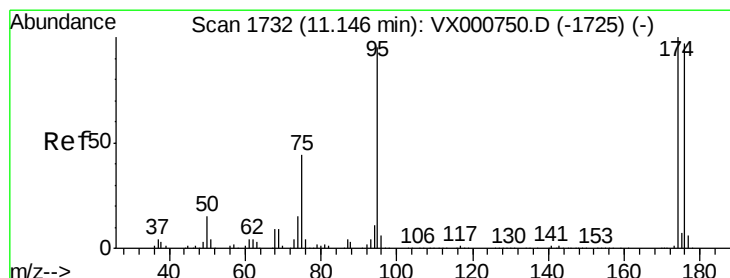
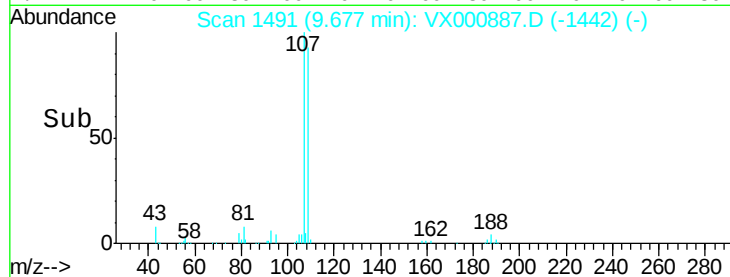
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.09 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

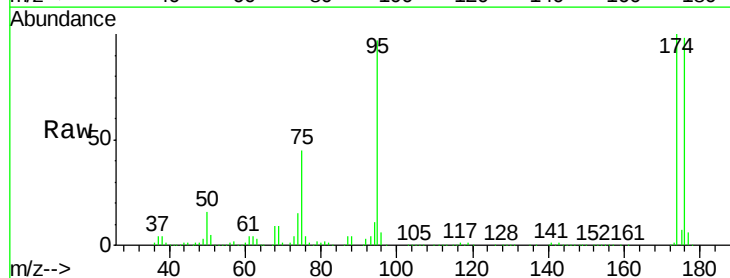
Tgt Ion: 95 Resp: 184286

Ion Ratio Lower Upper

95 100

174 99.8 0.0 198.4

176 97.2 0.0 194.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

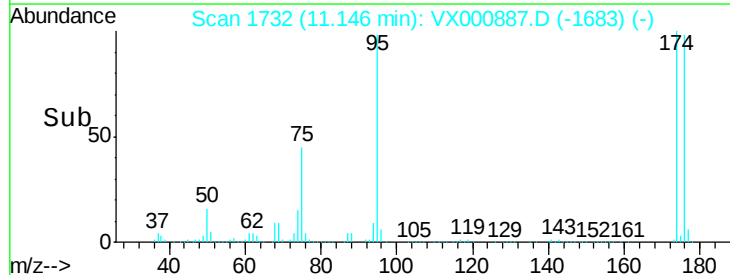
150000

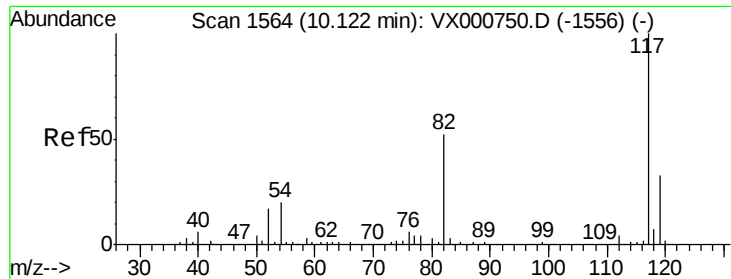
100000

50000

0

Time-->





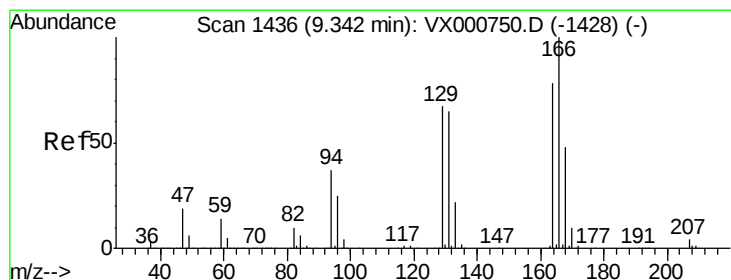
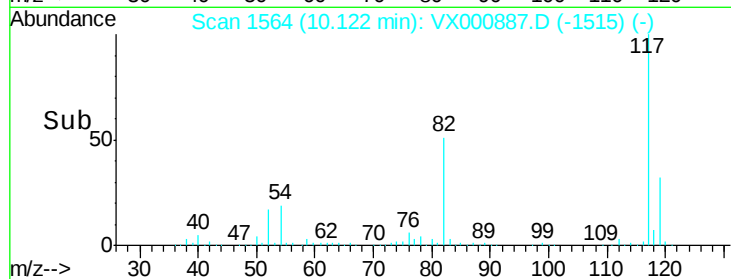
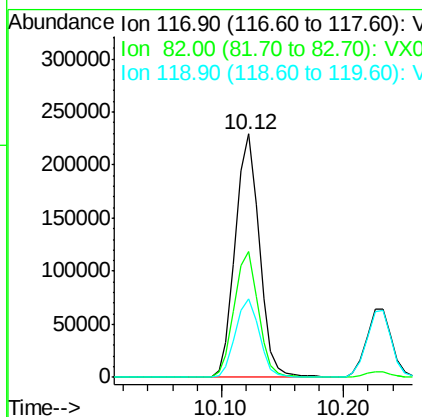
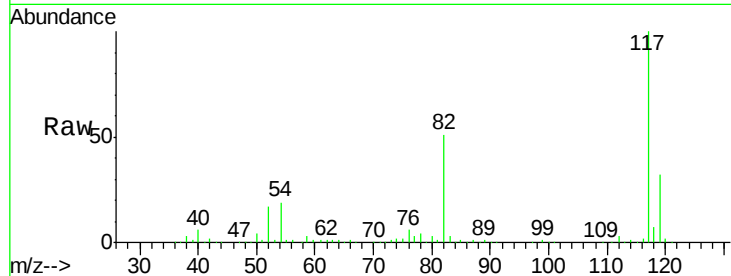
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	41.9	62.9
119	32.3	26.0	39.0

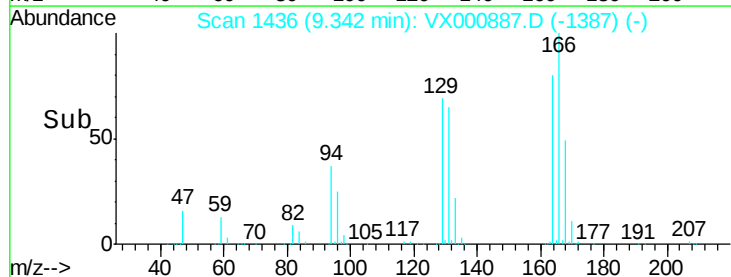
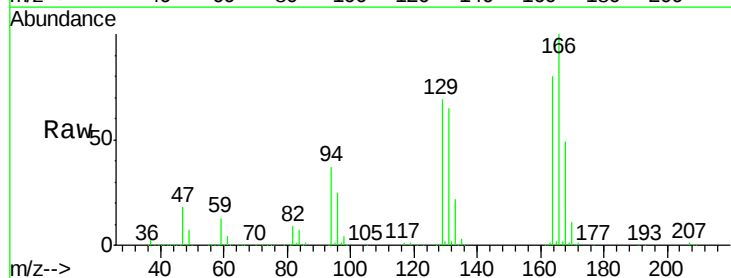
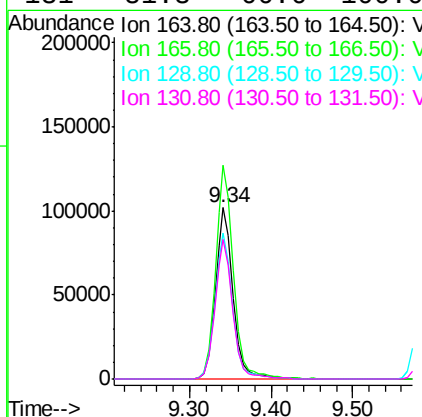
Manual Integrations
APPROVED

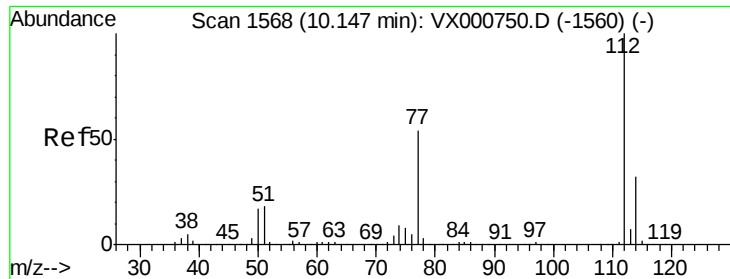
MMDadoda
4/16/2018 12:51:34 PM



#64
Tetrachloroethene
Concen: 50.72 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	102.8	154.2
129	85.8	68.5	102.7
131	81.3	66.6	100.0





#65

Chlorobenzene

Concen: 49.09 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 385894

Ion Ratio Lower Upper

112 100

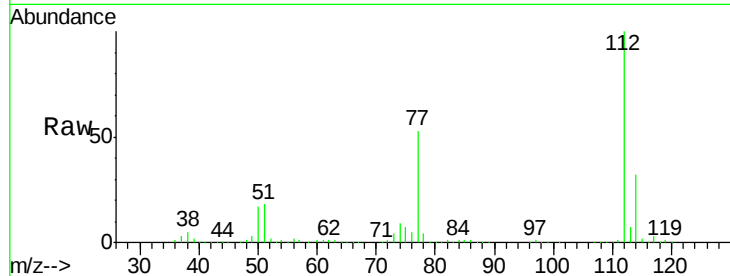
114 32.3 25.8 38.8

Manual Integrations

APPROVED

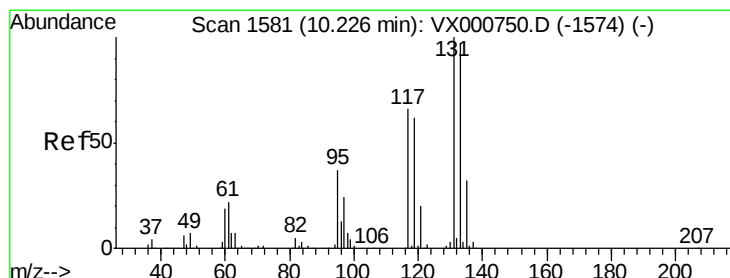
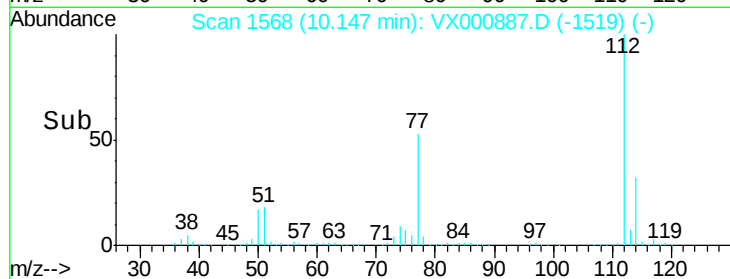
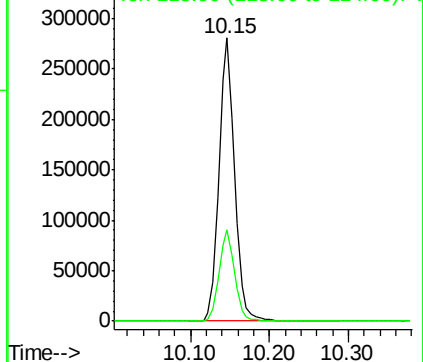
MMDadoda

4/16/2018 12:51:34 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.95 ug/l

RT: 10.23 min Scan# 1582

Delta R.T. 0.01 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

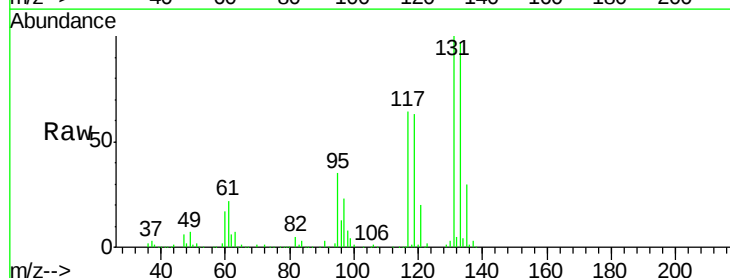
Tgt Ion:131 Resp: 141859

Ion Ratio Lower Upper

131 100

133 95.8 48.3 144.9

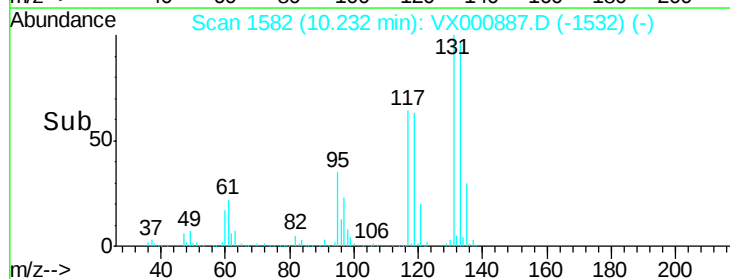
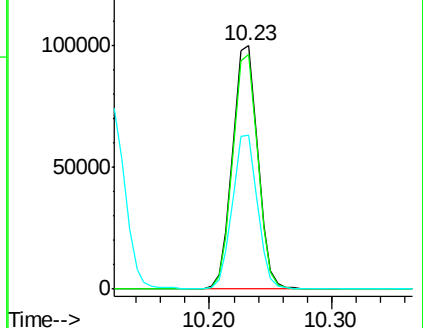
119 62.7 31.4 94.0

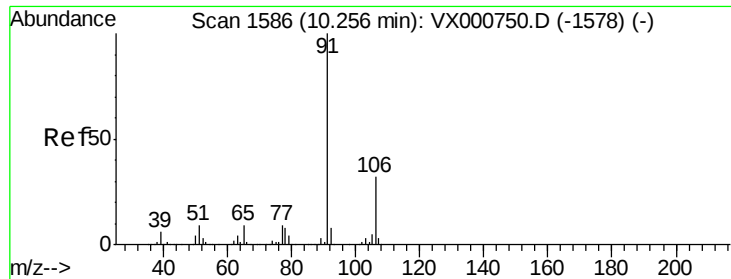


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





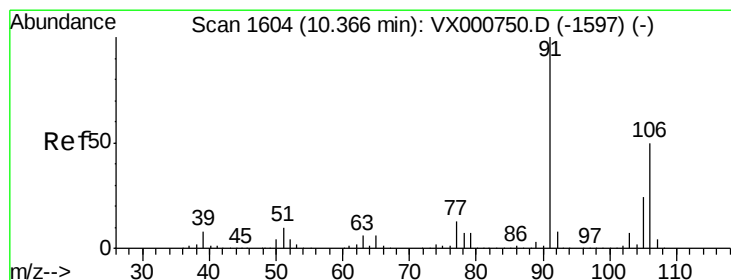
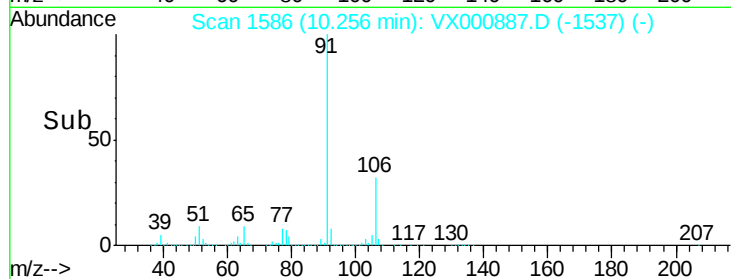
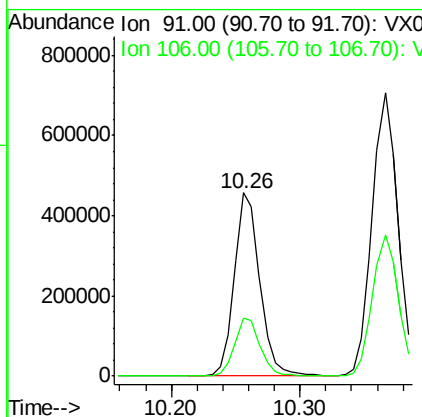
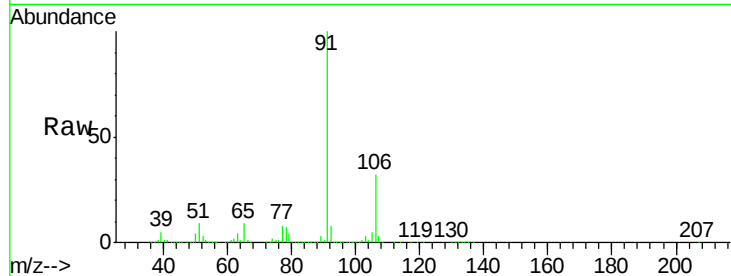
#67
Ethyl Benzene
Concen: 48.26 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 632445
Ion Ratio Lower Upper
91 100
106 31.5 25.4 38.0

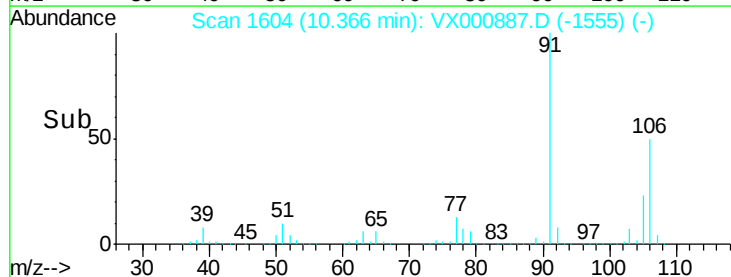
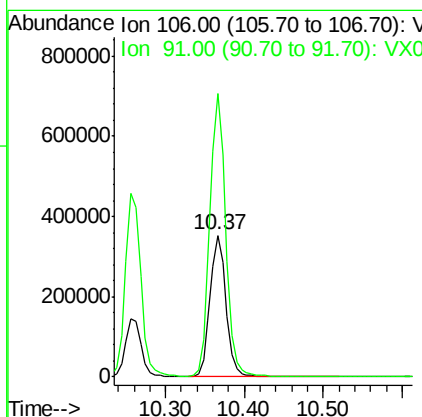
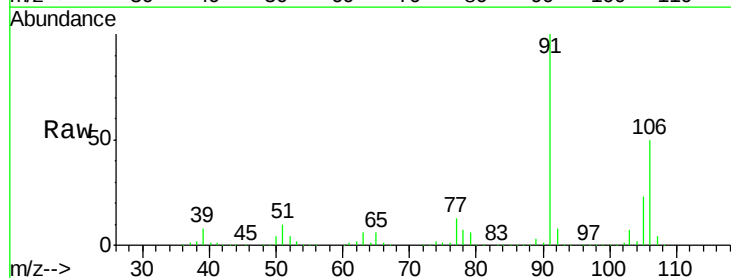
Manual Integrations
APPROVED

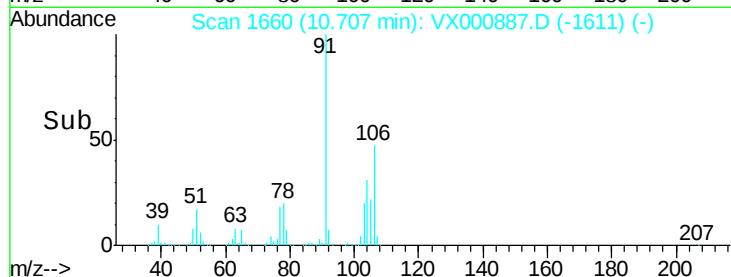
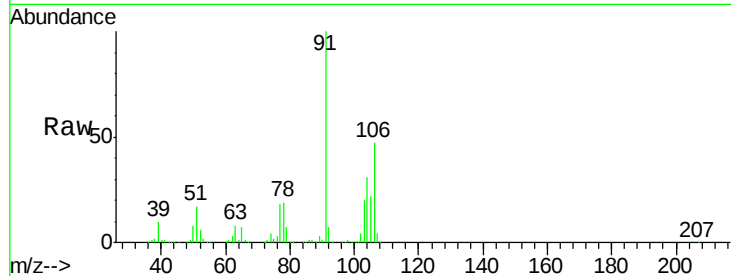
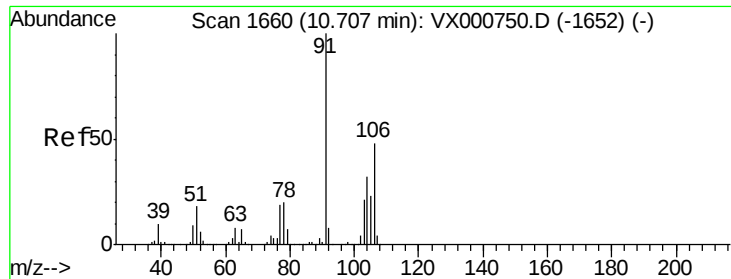
MMDadoda
4/16/2018 12:51:34 PM



#68
m/p-Xylenes
Concen: 96.63 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Tgt Ion: 106 Resp: 499873
Ion Ratio Lower Upper
106 100
91 198.7 159.3 238.9





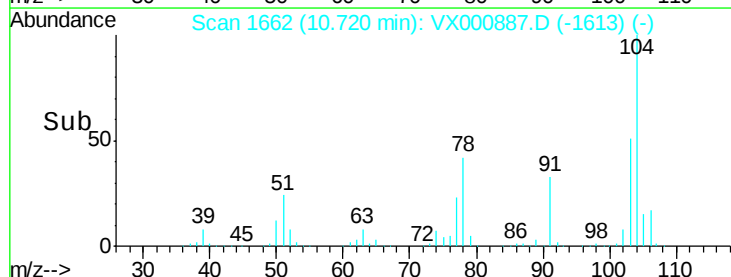
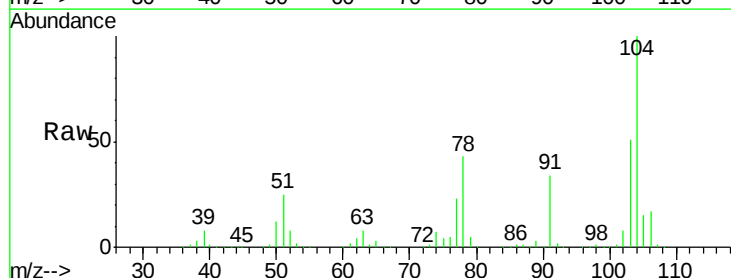
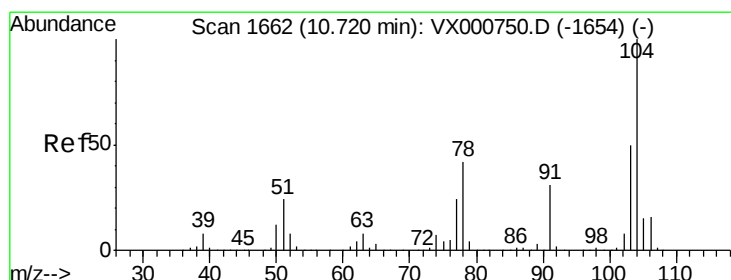
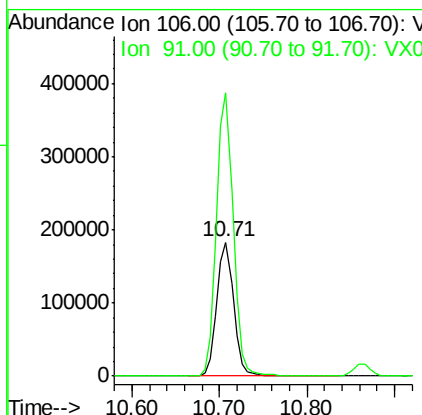
#69
o-Xylene
Concen: 48.76 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Tot Ion:106 Resp: 243083
Ion Ratio Lower Upper
106 100
91 210.9 105.0 315.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

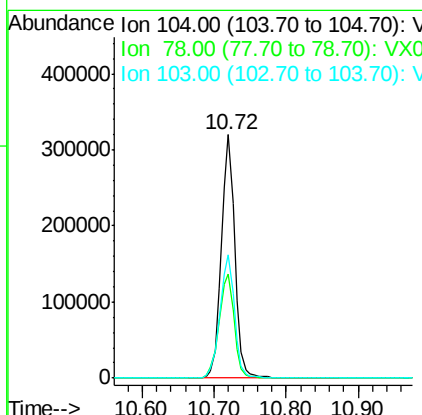
Manual Integrations
APPROVED

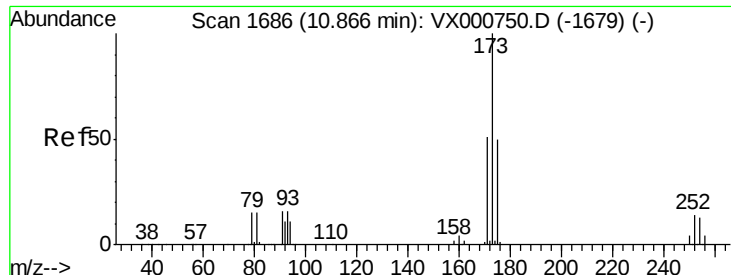
MMDadoda
4/16/2018 12:51:34 PM



#70
Styrene
Concen: 49.26 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Tgt Ion:104 Resp: 414047
Ion Ratio Lower Upper
104 100
78 48.0 39.0 58.6
103 55.2 44.1 66.1





#71

Bromoform

Concen: 45.52 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Instrument :

MSVOA_X

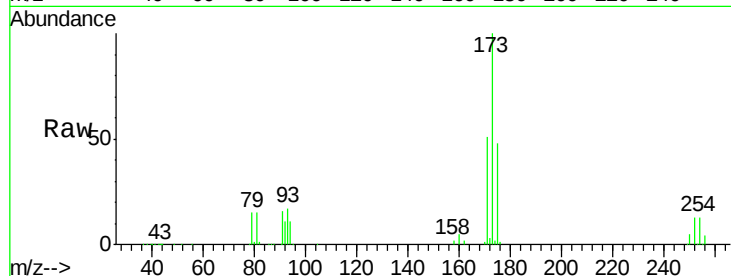
ClientSampleId :

VSTDCCC050EC

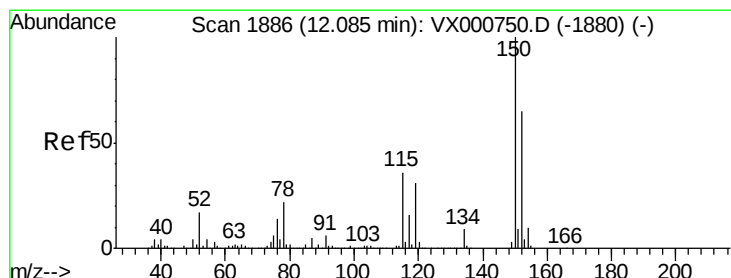
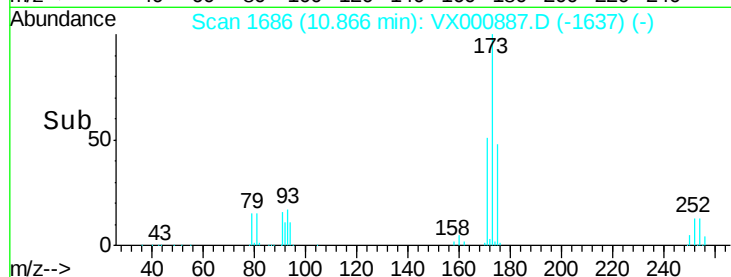
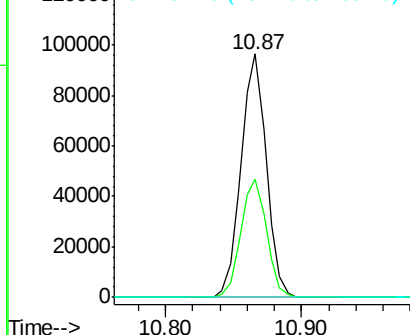
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.5	73.5
254	0.2	0.2	0.2

Manual Integrations
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MMDadoda
4/16/2018 12:51:34 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

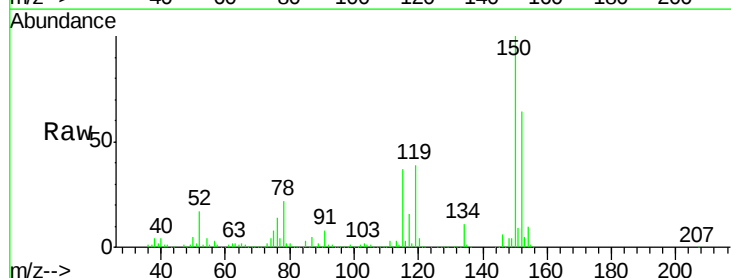
RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

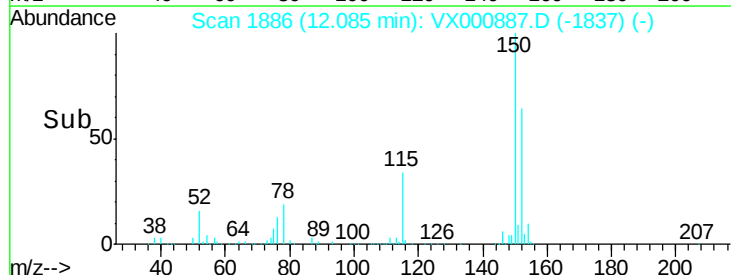
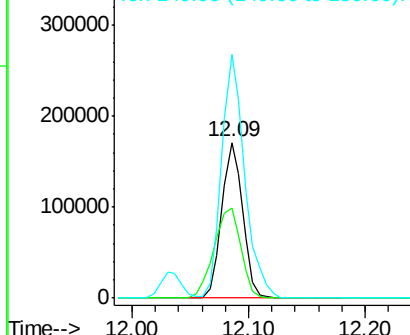
Lab File: VX000887.D

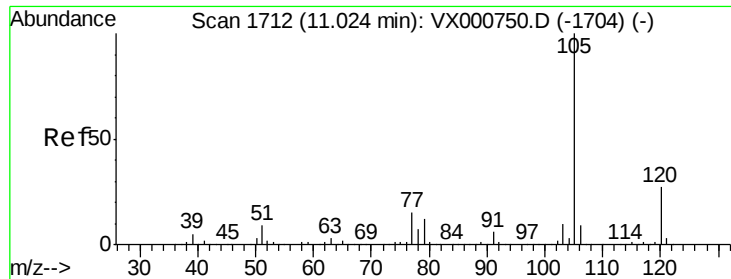
Acq: 14 Apr 2018 20:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	74.6	37.9	113.7
150	173.6	0.0	348.0



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





#73

Isopropylbenzene

Concen: 48.58 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 652874

Ion Ratio Lower Upper

105 100

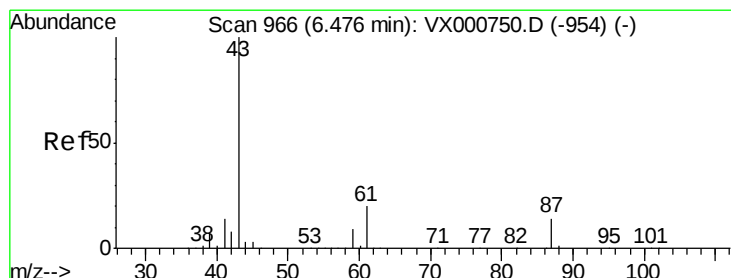
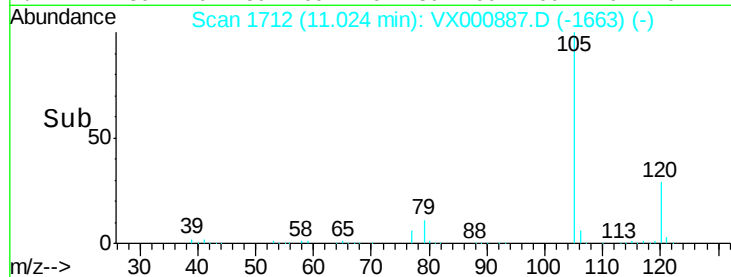
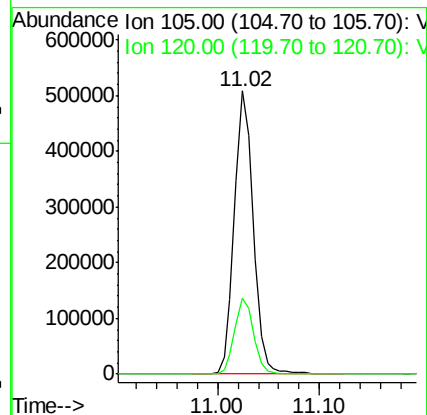
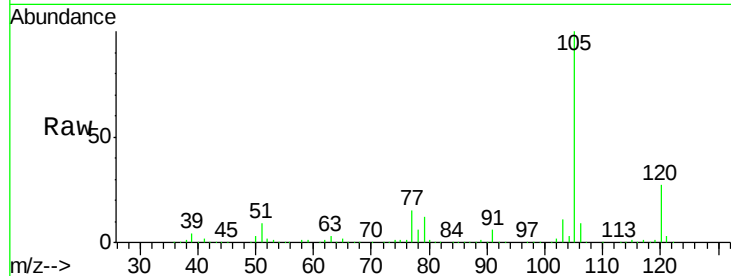
120 27.2 13.7 41.0

Manual Integrations

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MMDadoda

4/16/2018 12:51:34 PM



#74

N-ethyl acetate

Concen: 49.91 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Tgt Ion: 43 Resp: 302089

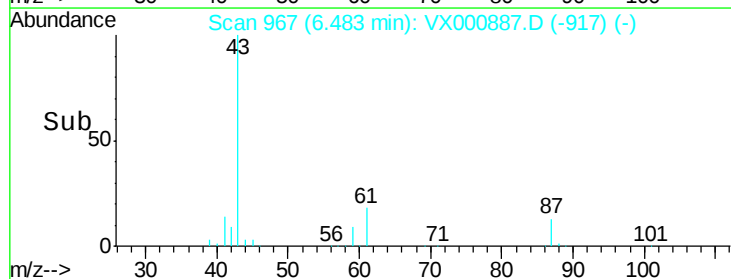
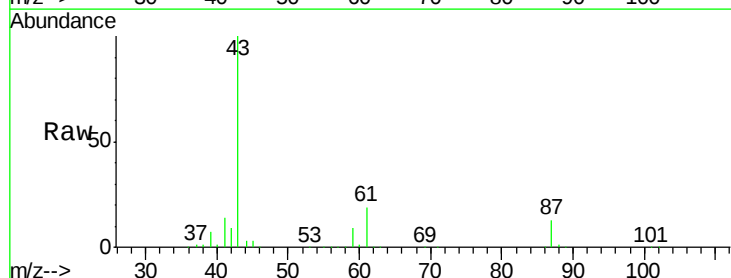
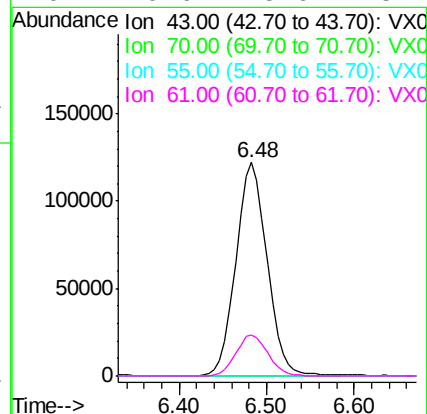
Ion Ratio Lower Upper

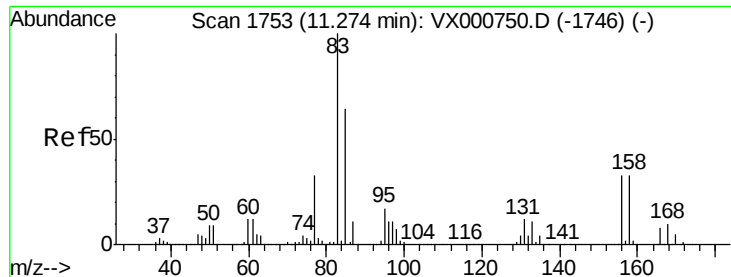
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 19.6 15.6 23.4





#75

1,1,2,2-Tetrachloroethane

Concen: 52.03 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 202942

Ion Ratio Lower Upper

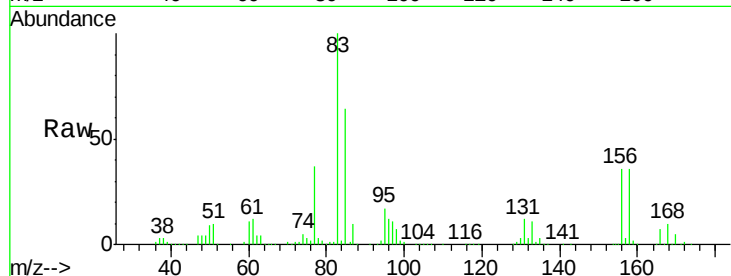
83 100

131 11.9 6.0 18.0

85 64.1 32.3 96.8

Manual Integrations
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4/16/2018 12:51:34 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

11.27

150000

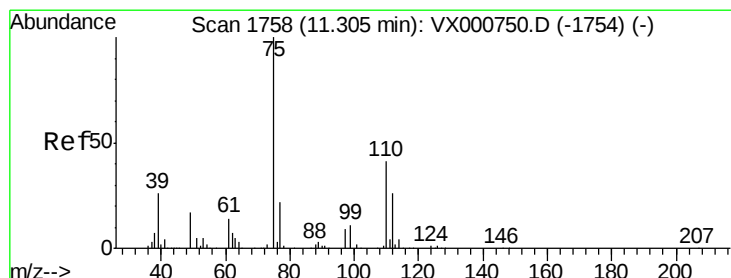
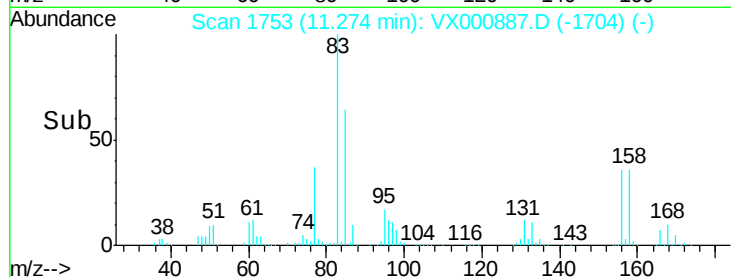
100000

50000

0

Time-->

11.20 11.30 11.40



#76

1,2,3-Trichloropropane

Concen: 50.55 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX000887.D

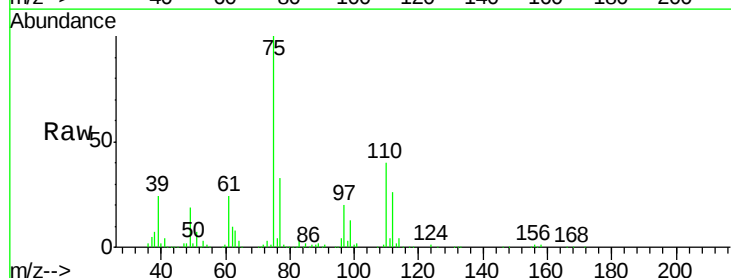
Acq: 14 Apr 2018 20:36

Tgt Ion: 75 Resp: 184687

Ion Ratio Lower Upper

75 100

77 40.8 20.5 61.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

200000

150000

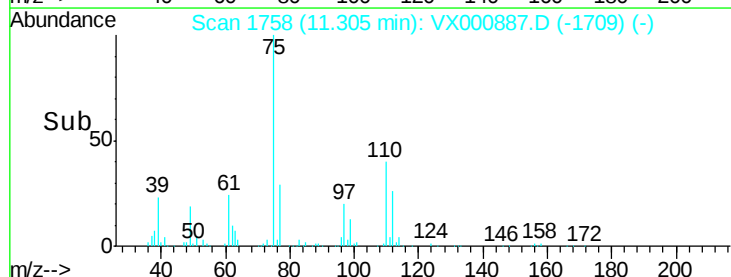
100000

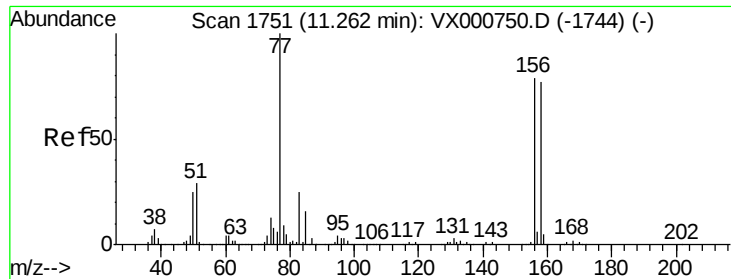
50000

0

Time-->

11.28 11.30 11.32





#77

Bromobenzene

Concen: 48.82 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Instrument :

MSVOA_X

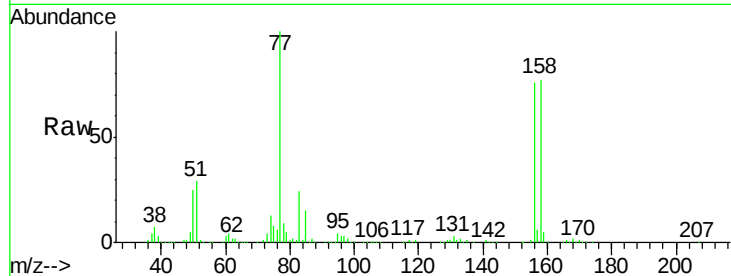
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	192313
Ion Ratio	Lower	Upper	
156	100		
77	130.7	66.0	198.2
158	98.2	48.8	146.4

Manual Integrations
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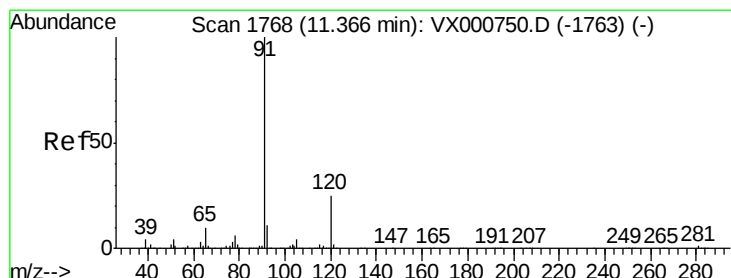
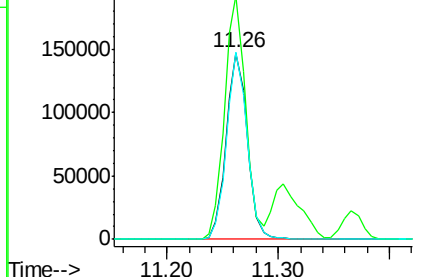
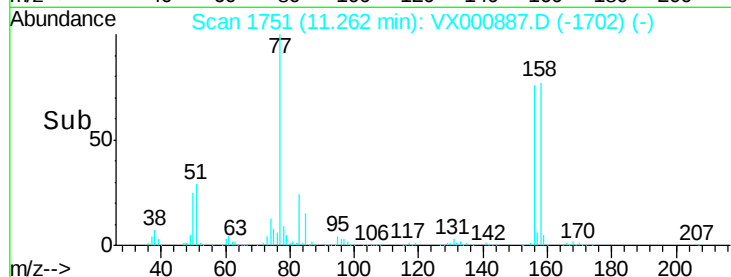
MMDadoda
4/16/2018 12:51:34 PM



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: 47.81 ug/l

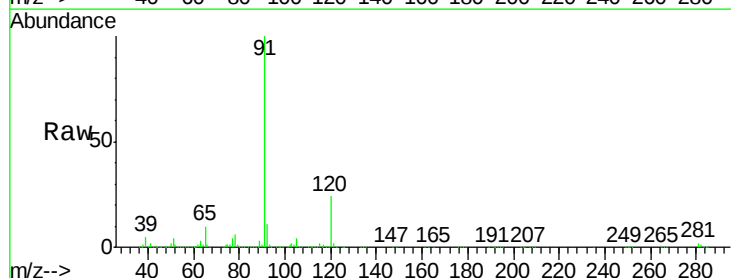
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000887.D

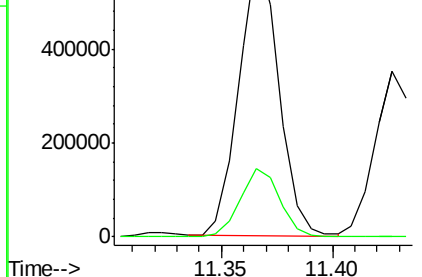
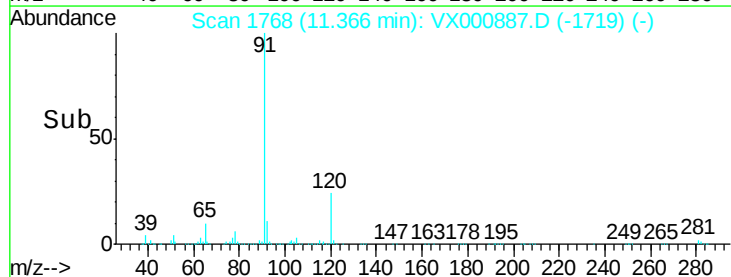
Acq: 14 Apr 2018 20:36

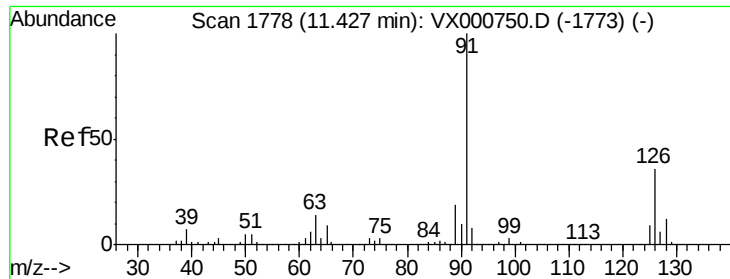
Tgt Ion:	91	Resp:	735041
Ion Ratio	Lower	Upper	
91	100		
120	25.0	12.6	37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.28 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 438692

Ion Ratio Lower Upper

91 100

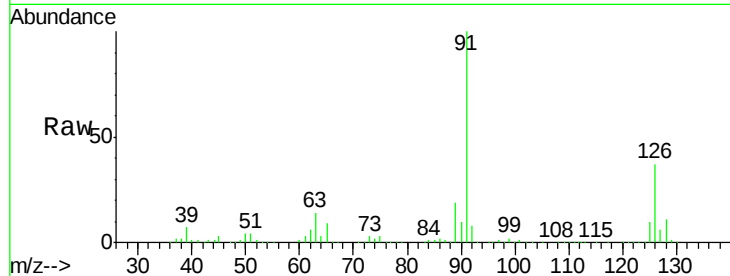
126 37.1 18.3 54.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX000750.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX000750.D (-1773) (-)

600000

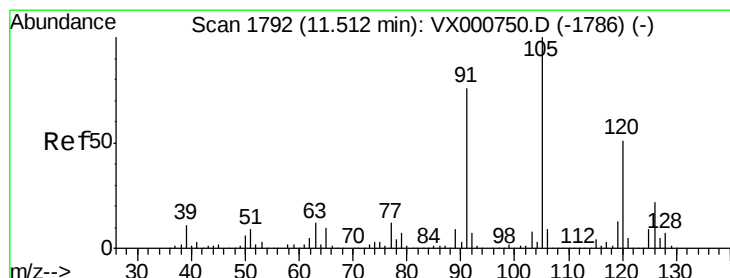
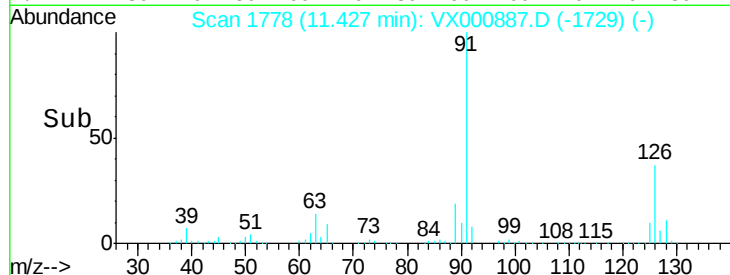
400000

200000

0

11.40 11.45 11.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.11 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000887.D

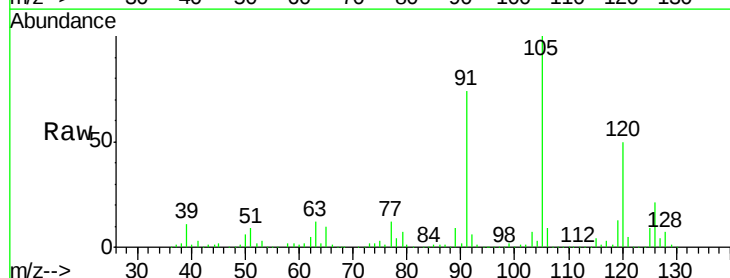
Acq: 14 Apr 2018 20:36

Tgt Ion: 105 Resp: 556108

Ion Ratio Lower Upper

105 100

120 50.4 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VX000750.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX000750.D (-1786) (-)

500000

400000

300000

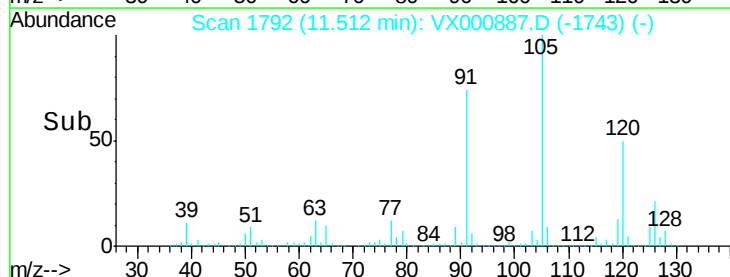
200000

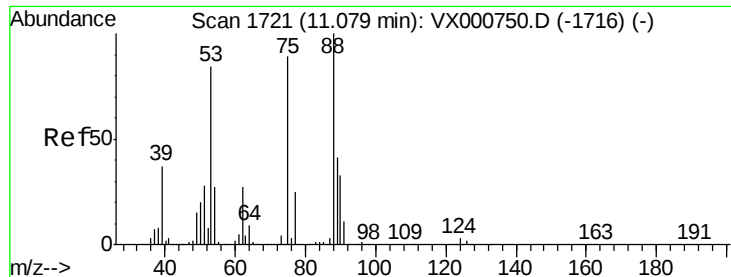
100000

0

11.50 11.60

Time-->





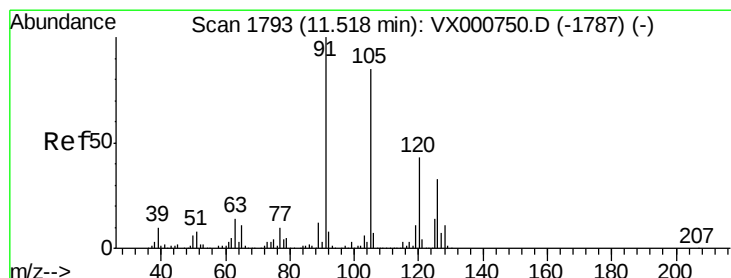
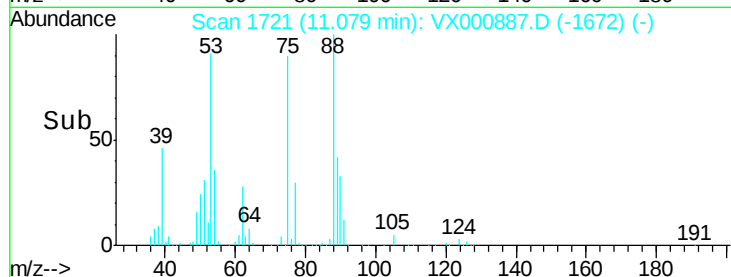
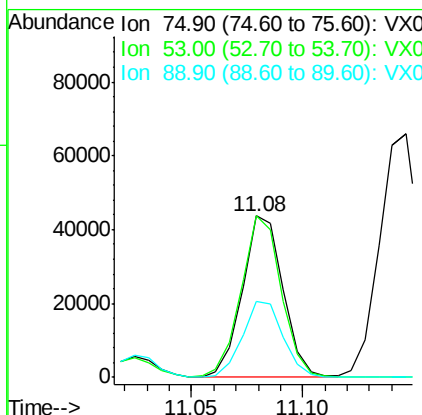
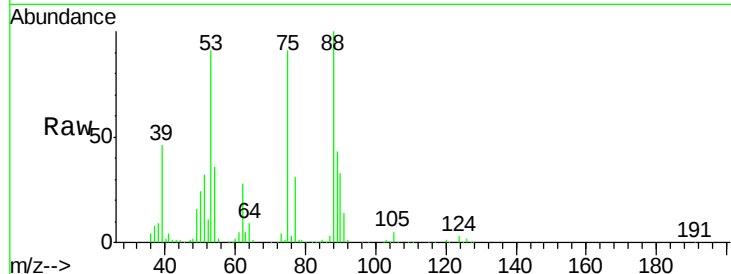
#81
trans-1,4-Dichloro-2-butene
Concen: 41.58 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.4	75.4	113.0
89	47.5	40.9	61.3

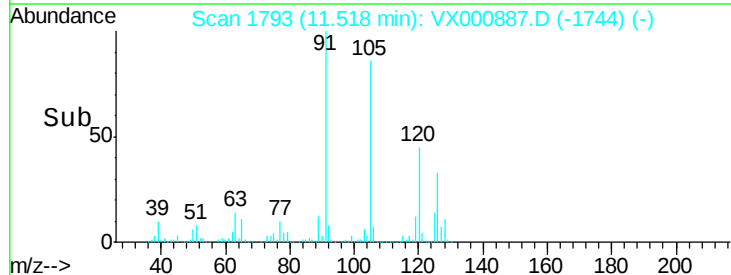
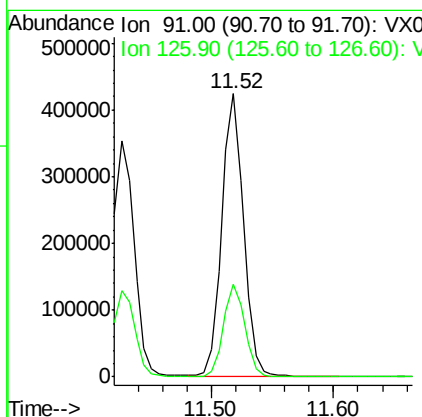
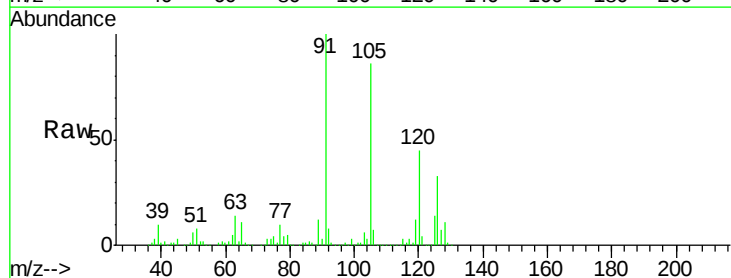
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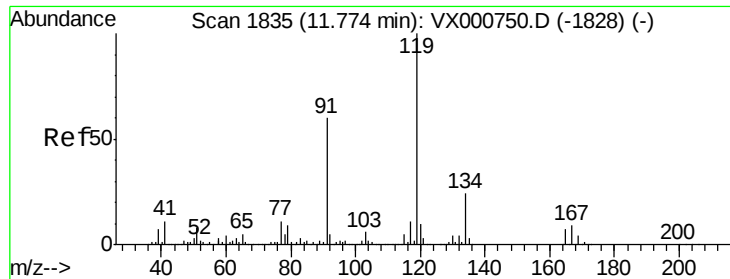
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#82
4-Chlorotoluene
Concen: 47.85 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.2	48.6





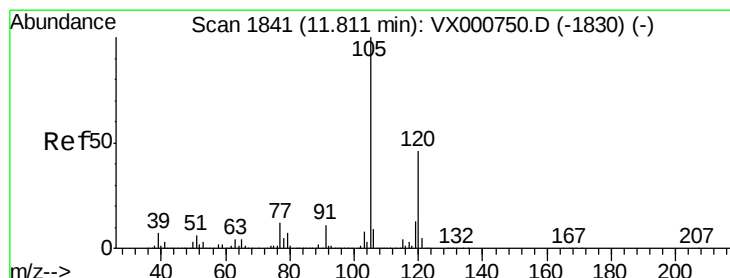
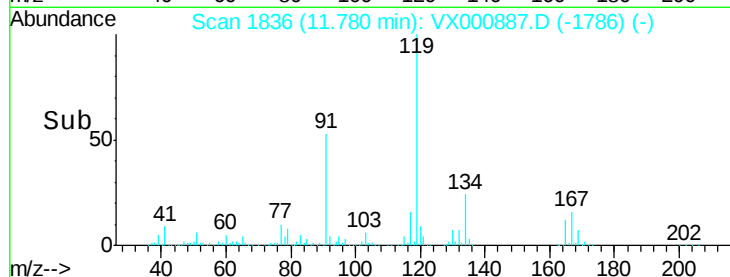
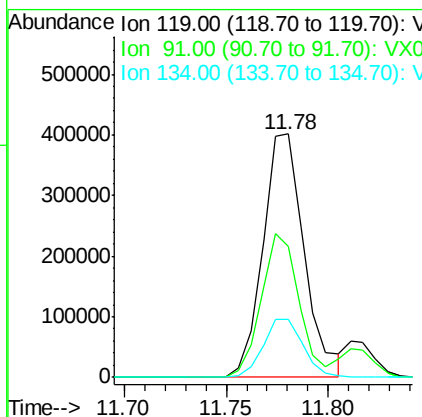
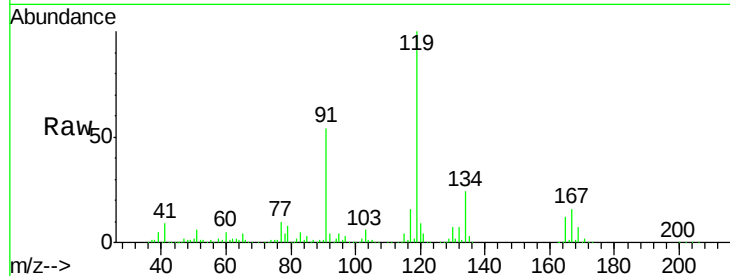
#83
tert-Butylbenzene
Concen: 48.05 ug/l
RT: 11.78 min Scan# 1836
Delta R.T. 0.01 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	568205		
91	53.7		26.8	80.3
134	23.3		11.5	34.4

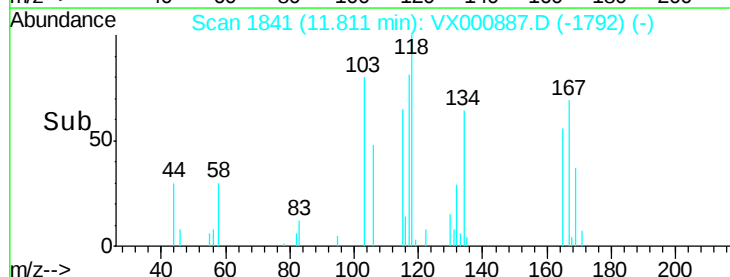
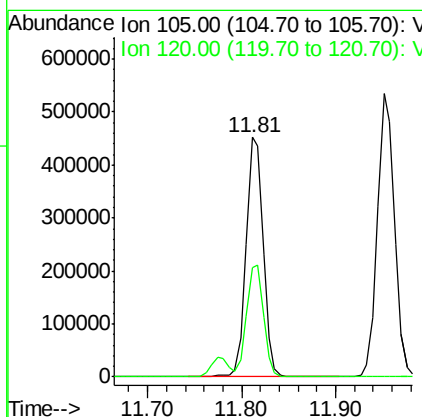
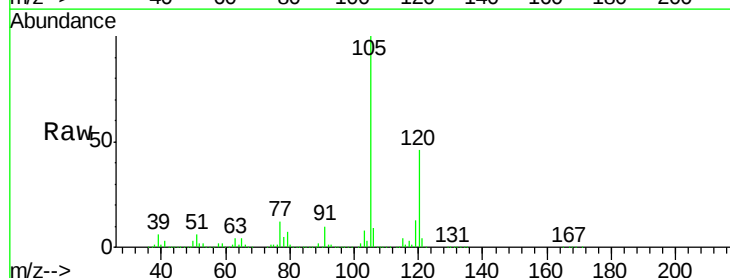
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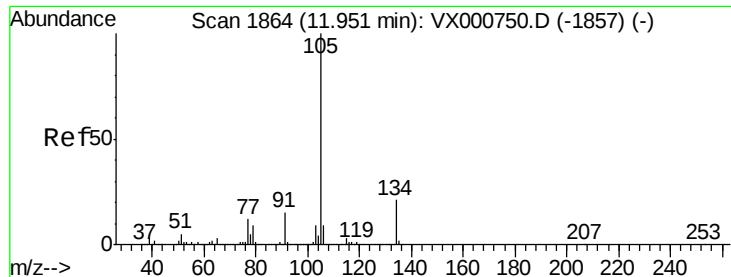
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#84
1,2,4-Trimethylbenzene
Concen: 47.92 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	571855		
120	46.4		23.1	69.3





#85

sec-Butylbenzene

Concen: 48.13 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 671399

Ion Ratio Lower Upper

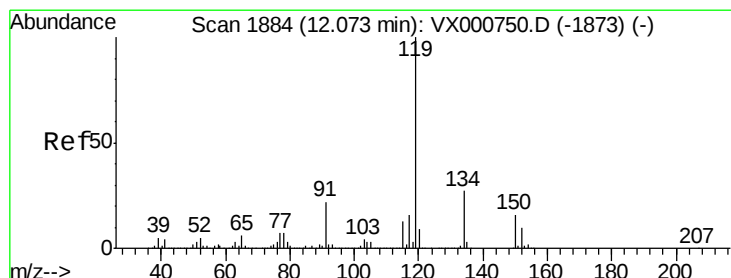
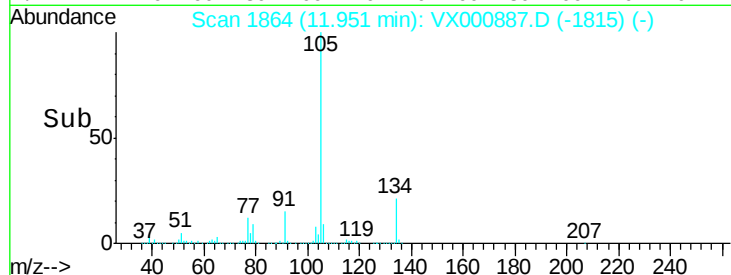
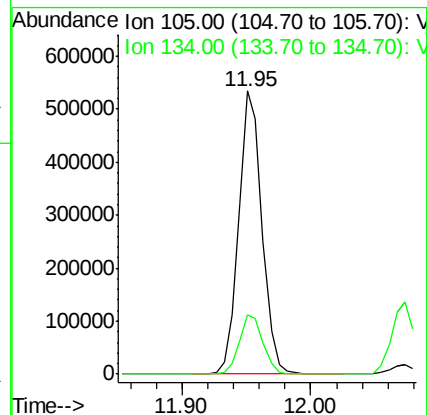
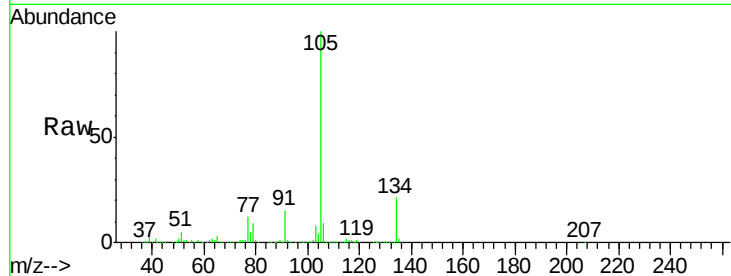
105 100

134 21.6 10.8 32.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 47.07 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

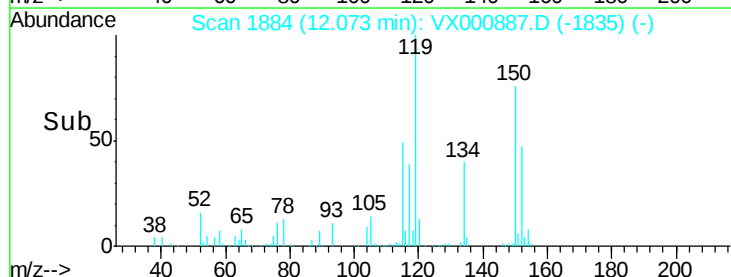
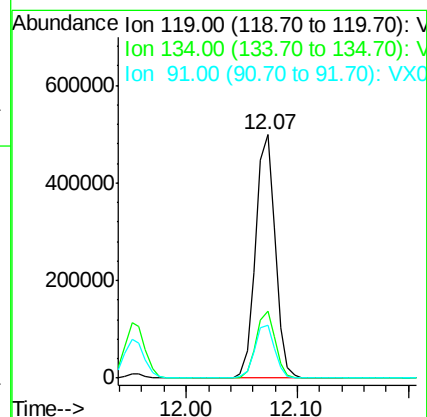
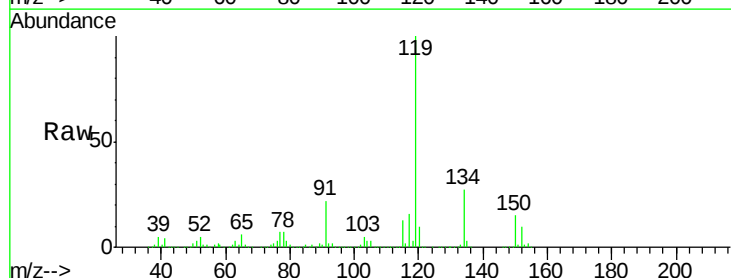
Tgt Ion:119 Resp: 612358

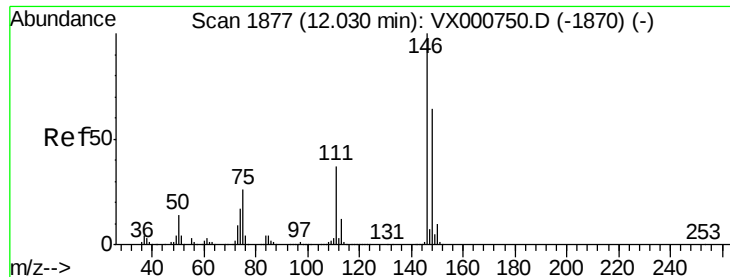
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

91 22.3 11.2 33.5





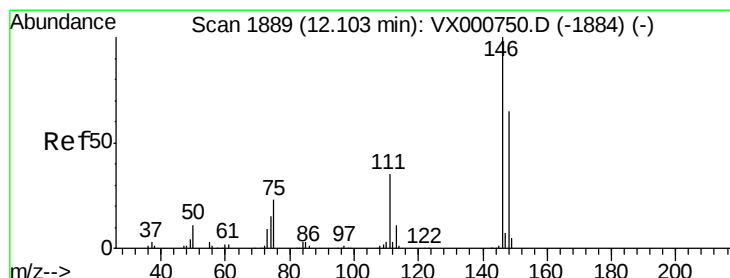
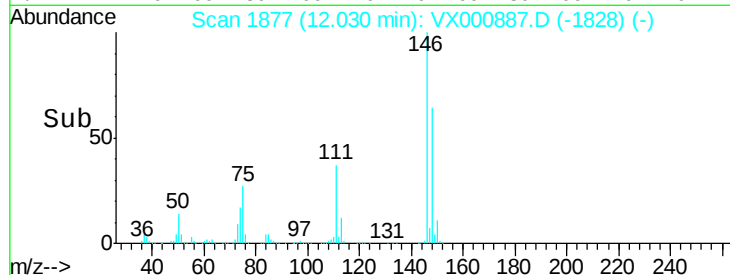
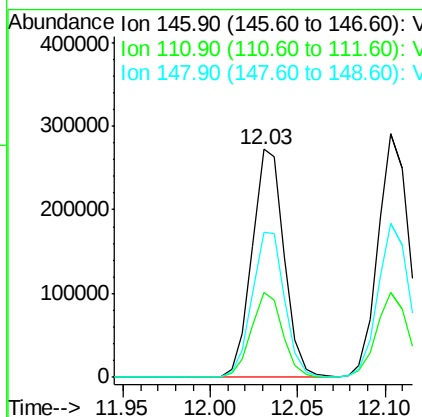
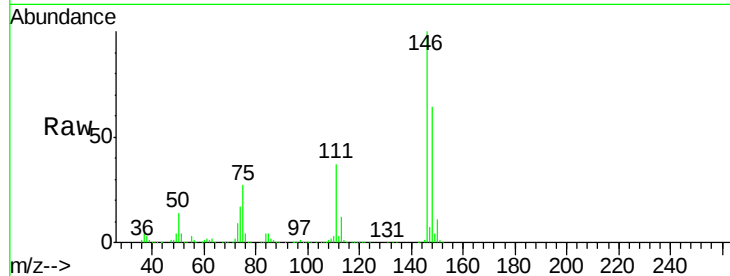
#87
 1,3-Dichlorobenzene
 Concen: 48.17 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX000887.D
 Acq: 14 Apr 2018 20:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.3	54.8
148	64.6	32.2	96.6

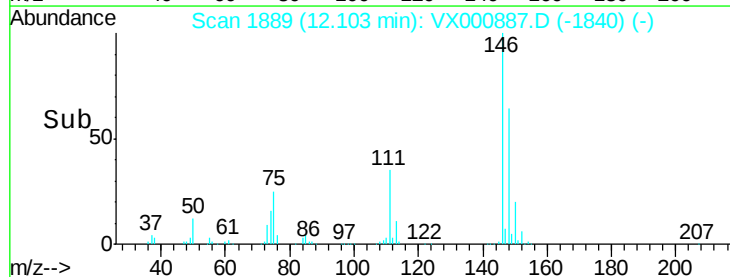
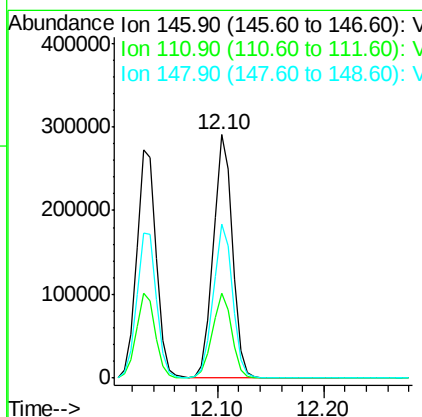
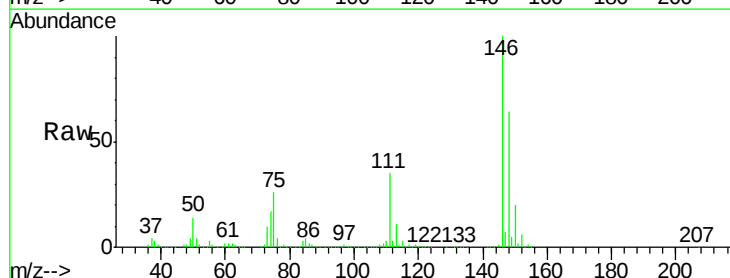
Manual Integrations
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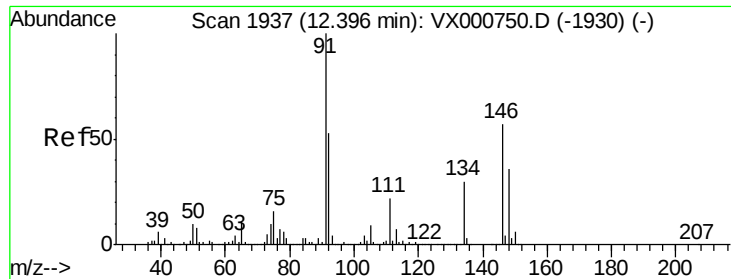
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#88
 1,4-Dichlorobenzene
 Concen: 48.08 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX000887.D
 Acq: 14 Apr 2018 20:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.0	17.9	53.8
148	63.7	32.6	97.7





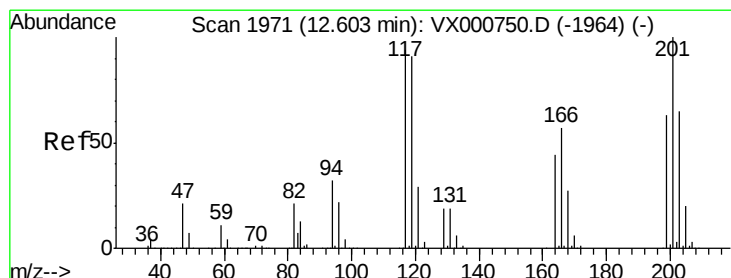
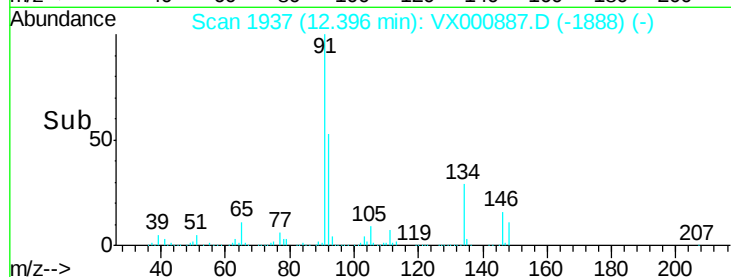
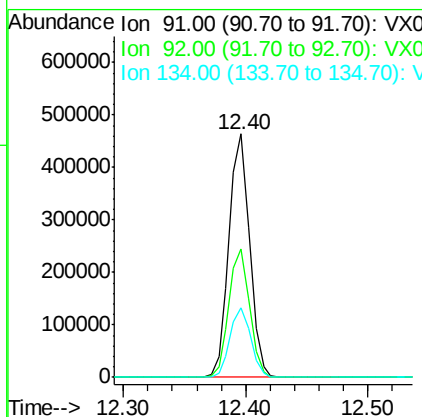
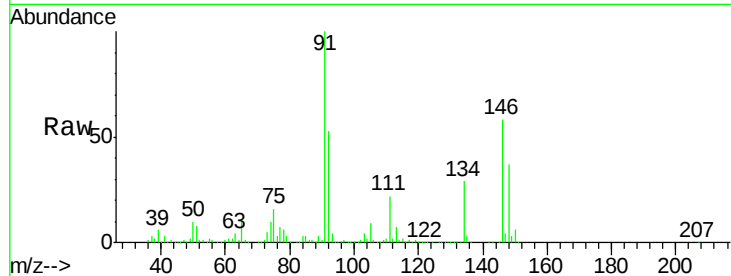
#89
n-Butylbenzene
Concen: 46.98 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		539462		
92	52.9	26.5		79.5	
134	28.9	14.5		43.5	

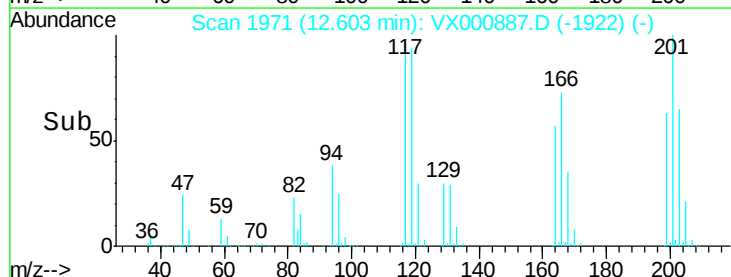
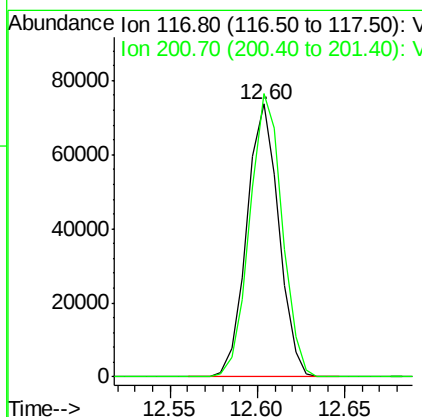
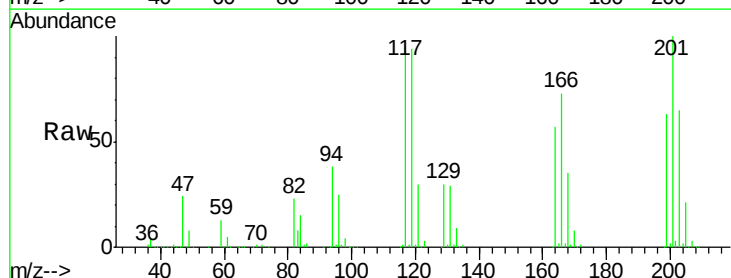
Manual Integrations
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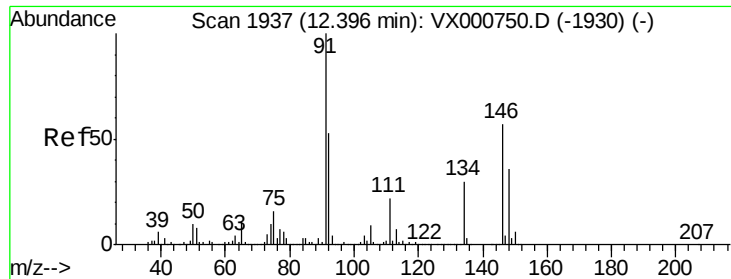
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#90
Hexachloroethane
Concen: 42.67 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000887.D
Acq: 14 Apr 2018 20:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		93920		
201	104.9	52.9		158.7	





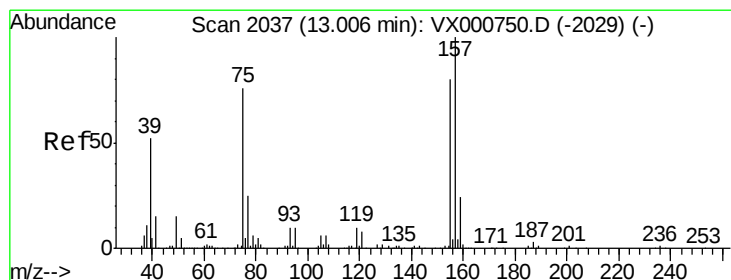
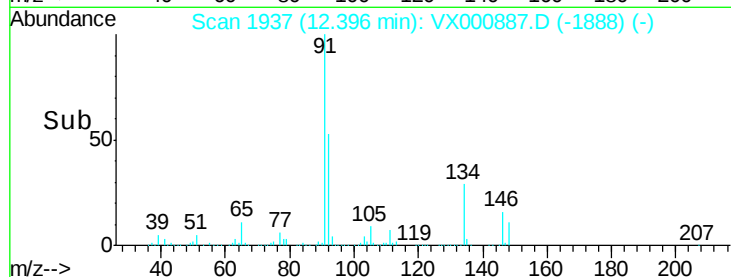
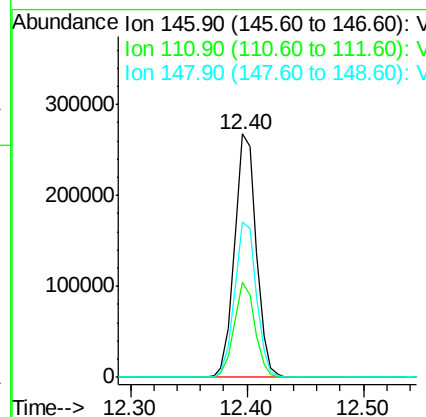
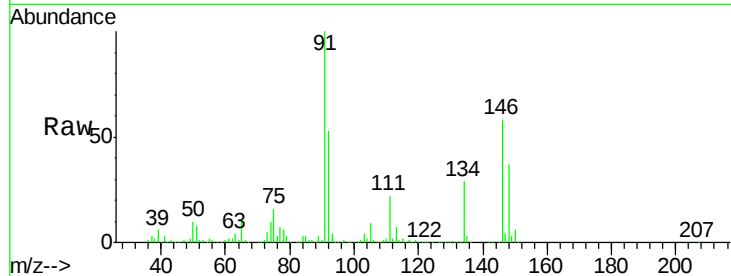
#91
 1,2-Dichlorobenzene
 Concen: 49.52 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX000887.D
 Acq: 14 Apr 2018 20:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.9	56.7
148	64.1	32.0	96.2

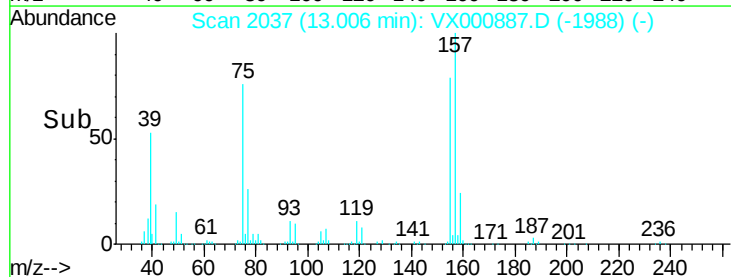
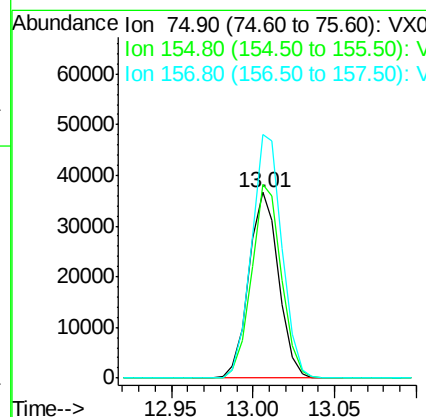
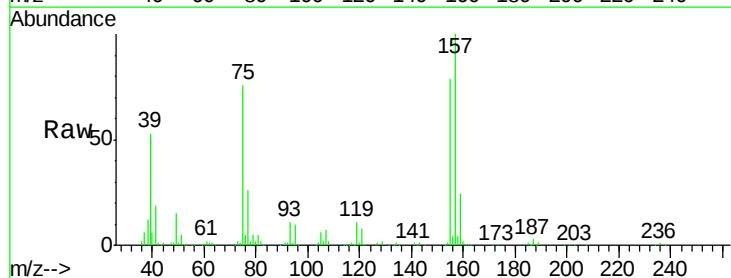
Manual Integrations
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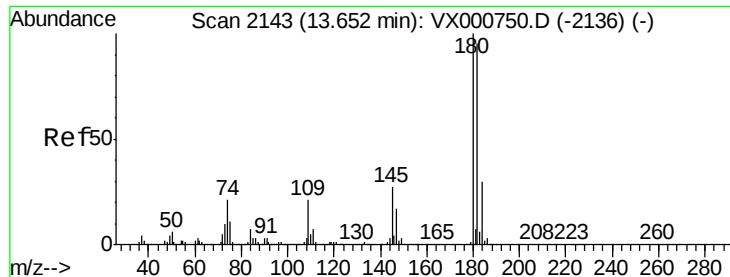
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.73 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX000887.D
 Acq: 14 Apr 2018 20:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.1	51.9	155.8
157	134.0	66.6	199.8





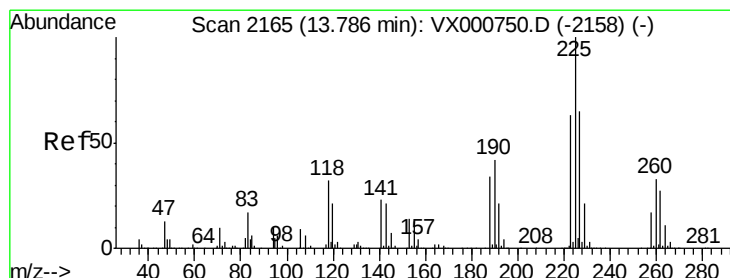
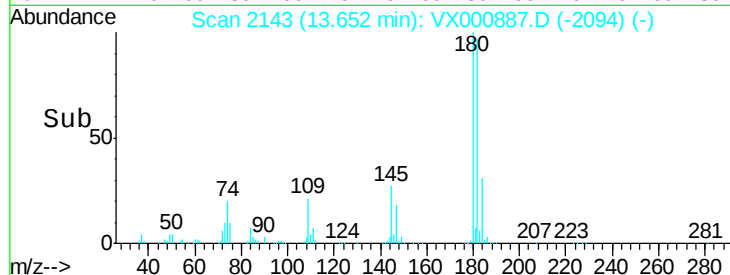
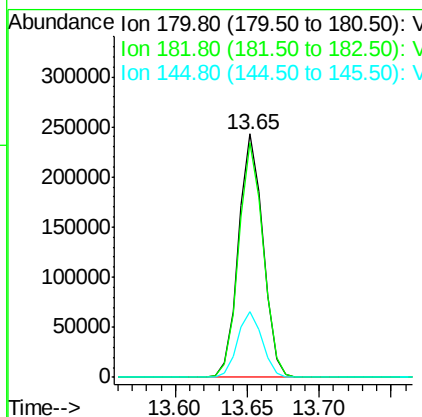
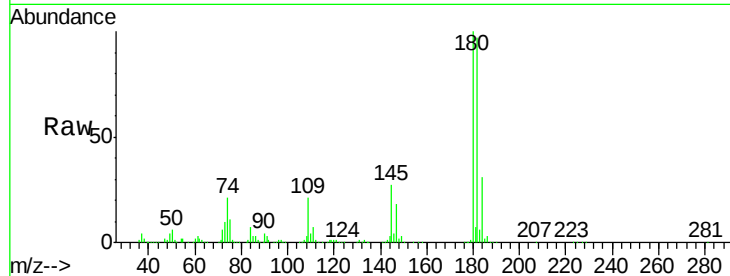
#93
 1,2,4-Trichlorobenzene
 Concen: 47.83 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000887.D
 Acq: 14 Apr 2018 20:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	287270		
182	96.3		47.5	142.5
145	27.4		13.8	41.4

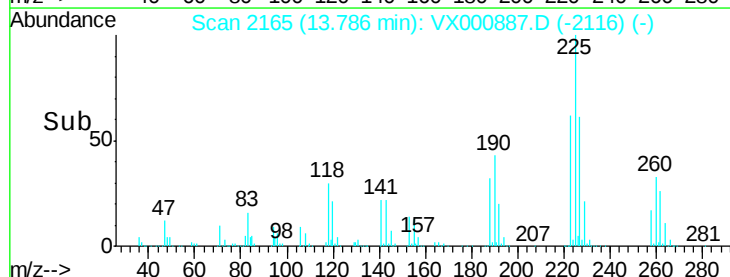
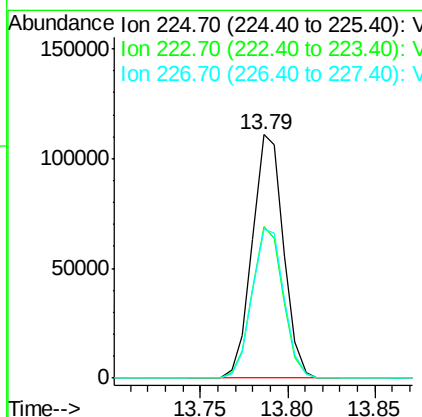
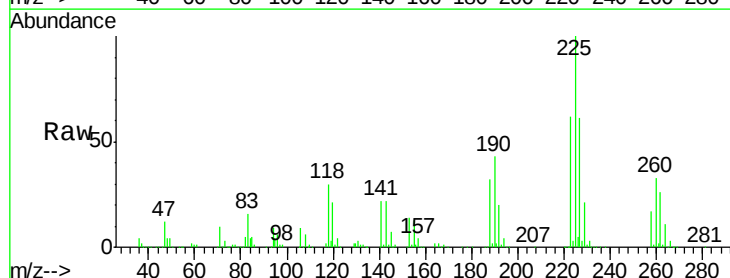
Manual Integrations
 APPROVED

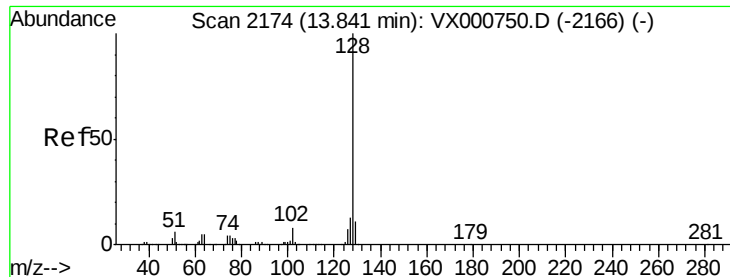
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 46.92 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX000887.D
 Acq: 14 Apr 2018 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	138552		
223	61.9		31.2	93.6
227	62.4		32.3	96.9





#95

Naphthalene

Concen: 51.94 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Instrument :

MSVOA_X

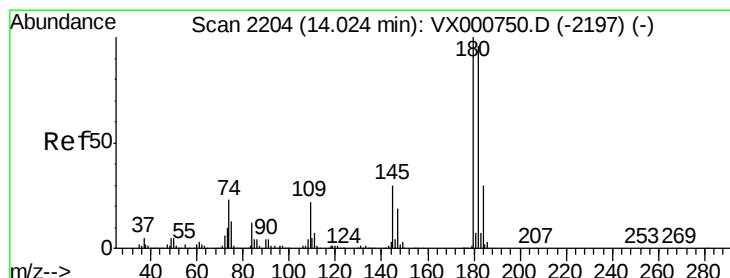
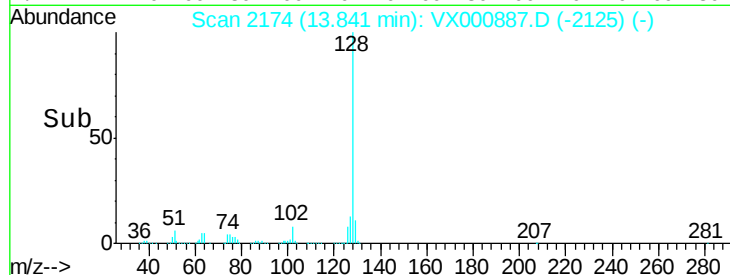
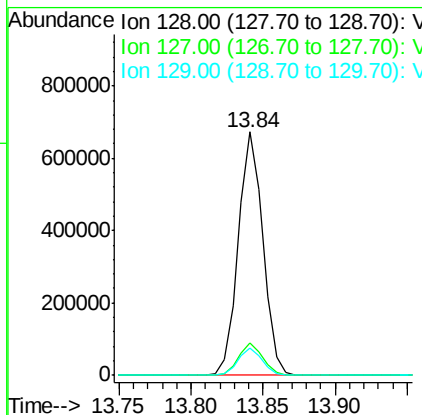
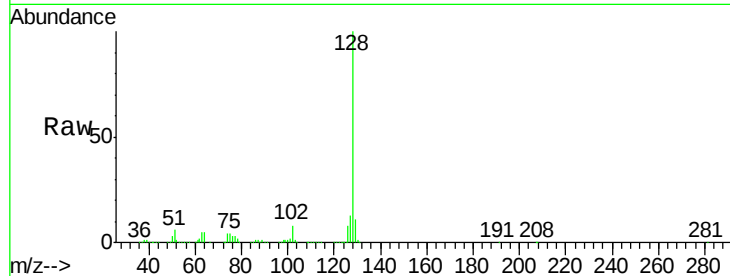
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	800673
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
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#96

1,2,3-Trichlorobenzene

Concen: 49.43 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.01 min

Lab File: VX000887.D

Acq: 14 Apr 2018 20:36

Tgt Ion:	180	Resp:	288313
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.4	145.2
145	29.0	14.6	43.8

