

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051518\
 Data File : VX001713.D
 Acq On : 14 May 2018 16:57
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 5/16/2018 11:54:04 AM

Quant Time: May 15 01:32:32 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:02:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	347726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	451329	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	395565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	258933	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	5403	1.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.20%	
35) Dibromofluoromethane	5.51	113	4265	1.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.16%	
50) Toluene-d8	8.72	98	13370	0.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.84%	
62) 4-Bromofluorobenzene	11.14	95	5133	0.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	3727	0.84	ug/l	96
3) Chloromethane	1.32	50	4380	0.99	ug/l	98
4) Vinyl Chloride	1.40	62	4414	0.95	ug/l	92
5) Bromomethane	1.65	94	3118	1.15	ug/l	96
6) Chloroethane	1.73	64	2809	0.92	ug/l	97
7) Trichlorofluoromethane	1.94	101	6598	0.95	ug/l	95
8) Diethyl Ether	2.19	74	2554	0.93	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	4145	1.01	ug/l	99
12) 1,1-Dichloroethene	2.38	96	3941	1.05	ug/l	98
14) Allyl chloride	2.73	41	6958	0.99	ug/l	96
15) Acrylonitrile	3.15	53	10819	4.64	ug/l	97
16) Acetone	2.45	43	10582	4.81	ug/l	100
17) Carbon Disulfide	2.57	76	11228	1.17	ug/l	98
18) Methyl Acetate	2.78	43	5278	0.89	ug/l #	88
19) Methyl tert-butyl Ether	3.20	73	12209	0.93	ug/l	95
20) Methylene Chloride	2.86	84	4748	1.08	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	4700	1.11	ug/l	93
22) Diisopropyl ether	3.87	45	13129	0.99	ug/l #	86
23) Vinyl Acetate	3.83	43	50024	4.69	ug/l	98
24) 1,1-Dichloroethane	3.70	63	7545	1.03	ug/l	95
25) 2-Butanone	4.71	43	13688	4.26	ug/l	97
26) 2,2-Dichloropropane	4.59	77	5881	1.03	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	5014	1.10	ug/l	99
28) Bromochloromethane	5.02	49	3145	0.97	ug/l #	97
29) Tetrahydrofuran	5.17	42	9216	4.47	ug/l	97
30) Chloroform	5.22	83	7556	0.99	ug/l	93
31) Cyclohexane	5.58	56	6040	0.95	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	6107	0.92	ug/l #	51
36) 1,1-Dichloropropene	5.80	75	6059	1.07	ug/l	96
37) Ethyl Acetate	4.87	43	5560	0.90	ug/l	99
38) Carbon Tetrachloride	5.78	117	5793	0.97	ug/l	85
39) Methylcyclohexane	7.46	83	6315	0.94	ug/l	98
40) Benzene	6.15	78	16354	0.99	ug/l	98
41) Methacrylonitrile	5.06	41	3279	0.93	ug/l	92

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 ALS Vial : 9 Sample Multiplier: 1

Instrument :
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Manual Integrations
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MMDadoda
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Quant Time: May 15 01:32:32 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:02:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.20	62	5898	0.94	ug/l	99
43) Isopropyl Acetate	6.47	43	7976	0.84	ug/l	99
44) Trichloroethene	7.21	130	5320	1.05	ug/l	88
45) 1,2-Dichloropropane	7.52	63	3822	0.93	ug/l	89
46) Dibromomethane	7.67	93	2894	1.00	ug/l	96
47) Bromodichloromethane	7.90	83	4752	0.88	ug/l	93
48) Methyl methacrylate	7.79	41	4081	0.79	ug/l	97
49) 1,4-Dioxane	7.76	88	1537	14.16	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	22606	3.61	ug/l	99
52) Toluene	8.79	92	9624	0.89	ug/l	97
53) t-1,3-Dichloropropene	8.44	75	5026	0.82	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	4604	0.84	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	4076	0.95	ug/l	92
56) Ethyl methacrylate	9.18	69	4464	0.72	ug/l	93
57) 1,3-Dichloropropane	9.38	76	6683	0.94	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.32	63	11994	3.91	ug/l	93
59) 2-Hexanone	9.50	43	16191	3.42	ug/l	96
60) Dibromochloromethane	9.59	129	3516	0.80	ug/l	94
61) 1,2-Dibromoethane	9.68	107	3946	0.87	ug/l	99
64) Tetrachloroethene	9.34	164	5920	1.09	ug/l	96
65) Chlorobenzene	10.14	112	11939	1.04	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	3734	0.91	ug/l #	64
67) Ethyl Benzene	10.26	91	17722	0.94	ug/l	99
68) m/p-Xylenes	10.37	106	13443	1.81	ug/l	99
69) o-Xylene	10.70	106	6214	0.86	ug/l	95
70) Styrene	10.71	104	9783	0.84	ug/l	98
71) Bromoform	10.86	173	2550	0.76	ug/l #	96
73) Isopropylbenzene	11.02	105	16884	0.94	ug/l	100
74) N-amyl acetate	6.47	43	7976	0.97	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	5313	1.01	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	4767m	0.91	ug/l	
77) Bromobenzene	11.26	156	5305	1.02	ug/l	97
78) n-propylbenzene	11.37	91	19746	1.01	ug/l	97
79) 2-Chlorotoluene	11.43	91	11935	1.00	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	12844	0.86	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	1063	0.77	ug/l #	67
82) 4-Chlorotoluene	11.52	91	14068	1.02	ug/l	98
83) tert-Butylbenzene	11.77	119	13250	0.90	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	13336	0.87	ug/l	99
85) sec-Butylbenzene	11.95	105	16872	0.95	ug/l	99
86) p-Isopropyltoluene	12.07	119	15388	0.95	ug/l	93
87) 1,3-Dichlorobenzene	12.03	146	10288	1.10	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	11331m	1.19	ug/l	
89) n-Butylbenzene	12.40	91	14424	1.06	ug/l	98
90) Hexachloroethane	12.60	117	2149	0.87	ug/l	91
91) 1,2-Dichlorobenzene	12.40	146	10265	1.09	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	933	0.81	ug/l	92
93) 1,2,4-Trichlorobenzene	13.65	180	8341	1.19	ug/l	96
94) Hexachlorobutadiene	13.79	225	4575	1.20	ug/l	98
95) Naphthalene	13.84	128	18563	0.97	ug/l	98

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VSTDICC001

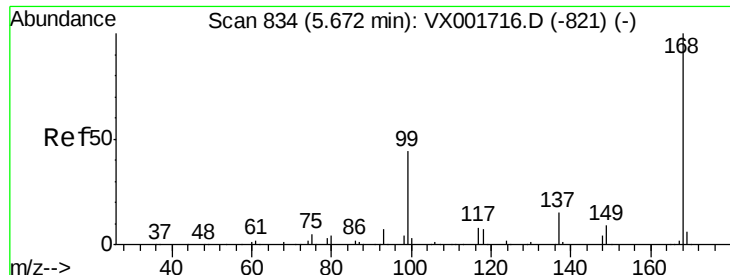
Manual Integrations
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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
Quant Title : SW846 8260
QLast Update : Tue May 15 01:02:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.02	180	8545	1.20	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 347726

Ion Ratio Lower Upper

168 100

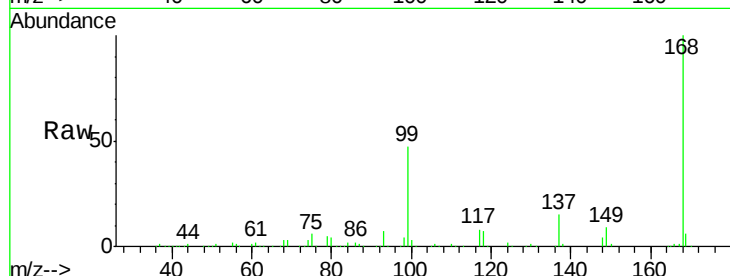
99 46.8 35.0 52.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

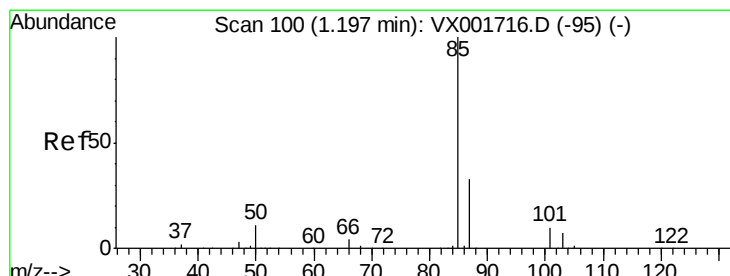
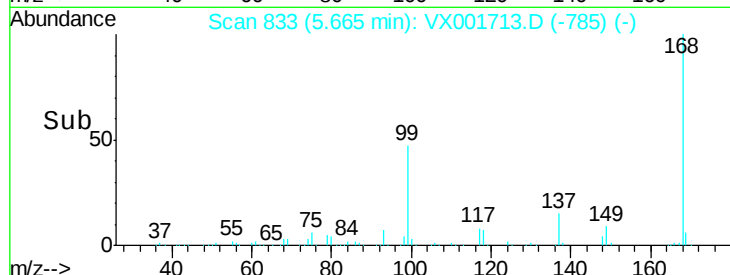
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.84 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001713.D

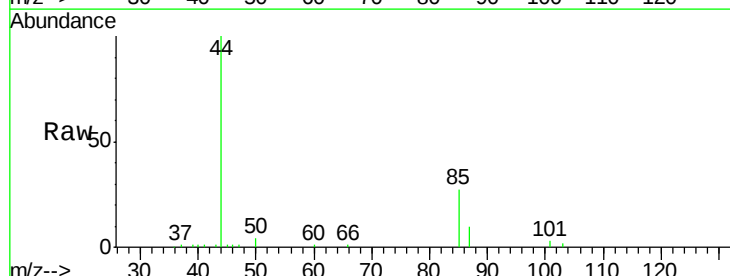
Acq: 14 May 2018 16:57

Tgt Ion: 85 Resp: 3727

Ion Ratio Lower Upper

85 100

87 35.2 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

4000

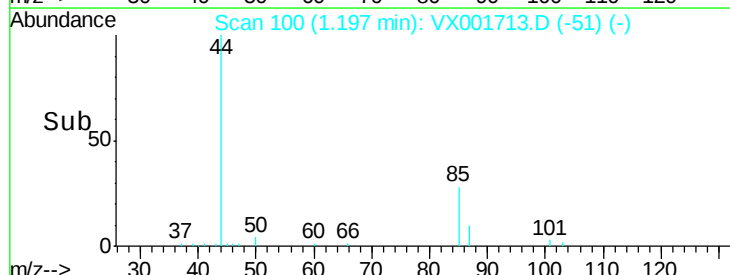
3000

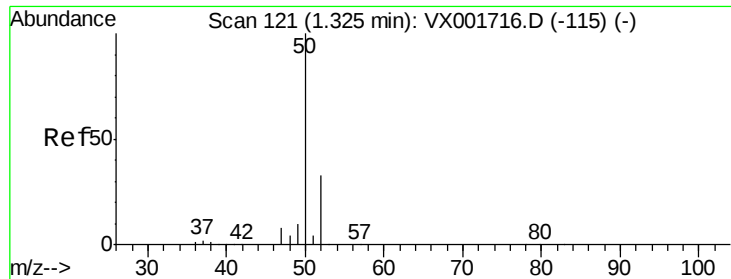
2000

1000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 0.99 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 4380

Ion Ratio Lower Upper

50 100

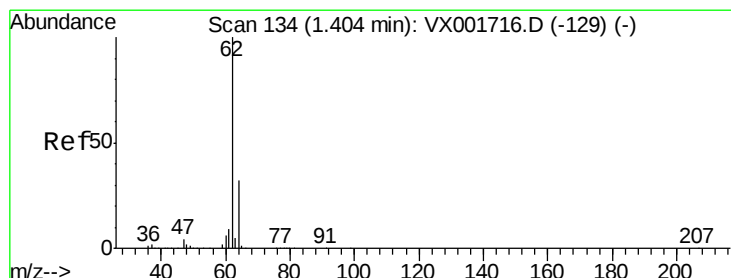
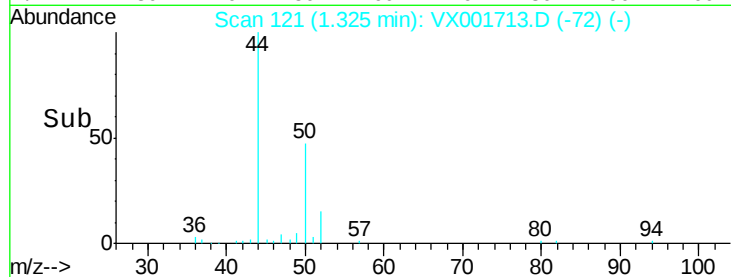
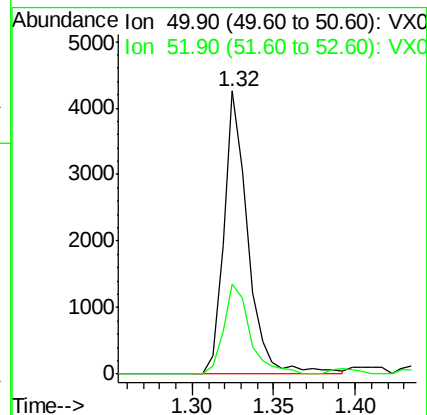
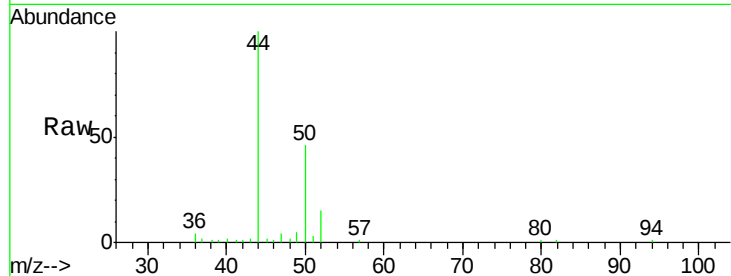
52 31.8 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 0.95 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001713.D

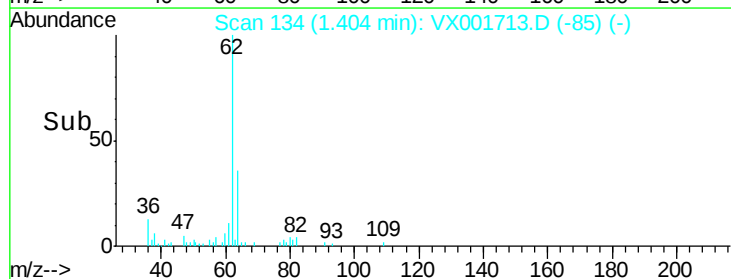
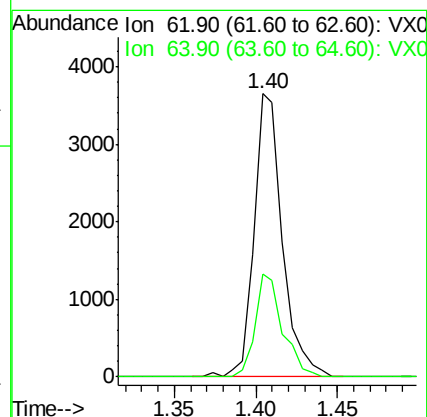
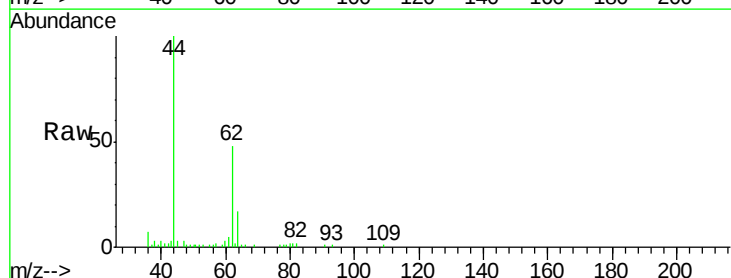
Acq: 14 May 2018 16:57

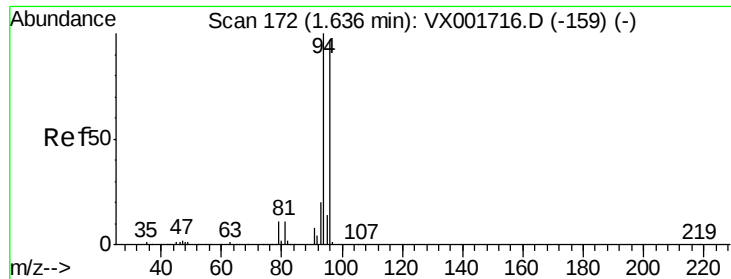
Tgt Ion: 62 Resp: 4414

Ion Ratio Lower Upper

62 100

64 36.4 25.6 38.4





#5

Bromomethane

Concen: 1.15 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 3118

Ion Ratio Lower Upper

94 100

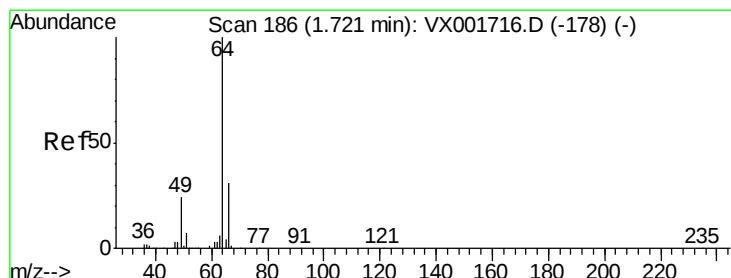
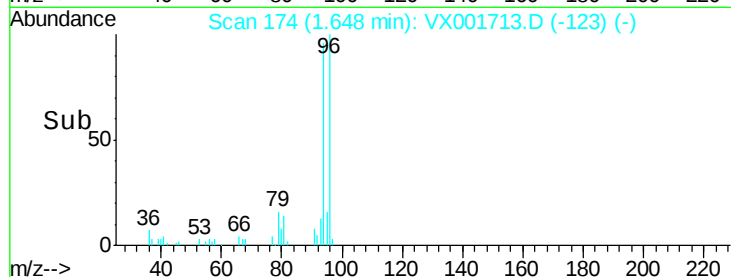
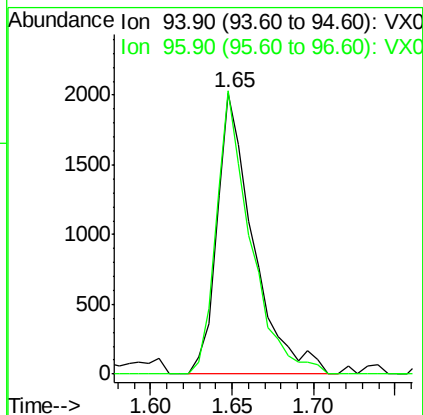
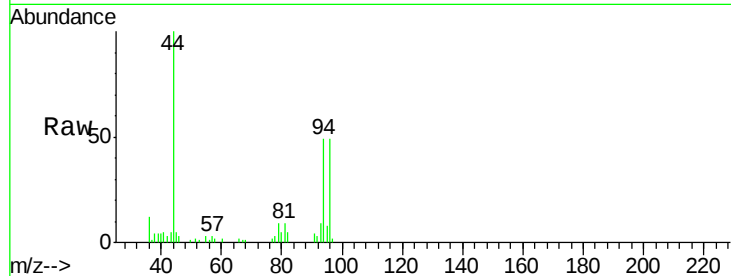
96 100.8 77.4 116.0

Manual Integrations

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#6

Chloroethane

Concen: 0.92 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX001713.D

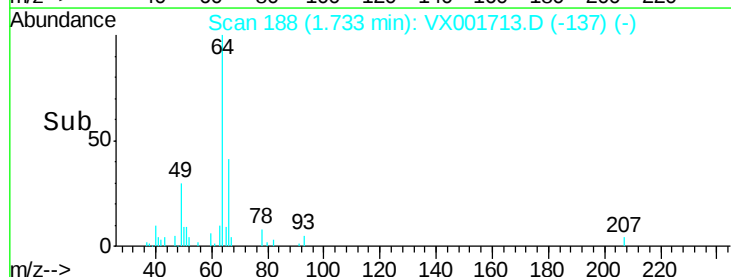
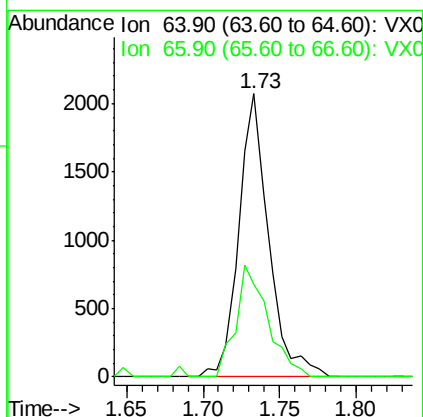
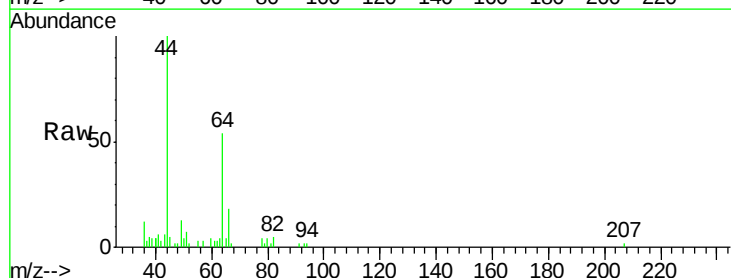
Acq: 14 May 2018 16:57

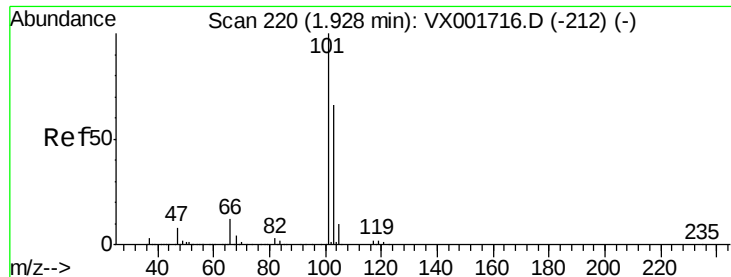
Tgt Ion: 64 Resp: 2809

Ion Ratio Lower Upper

64 100

66 32.9 25.2 37.8





#7

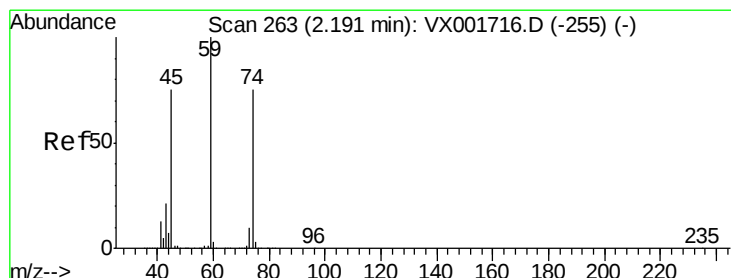
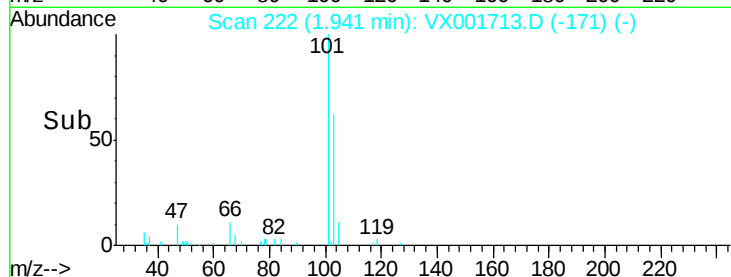
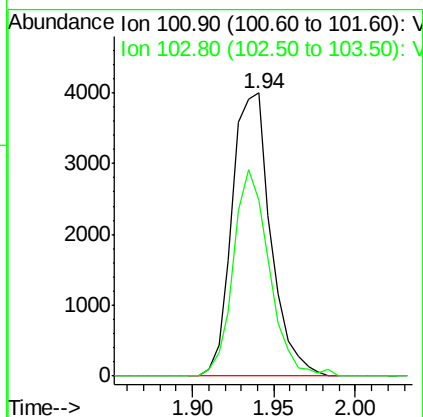
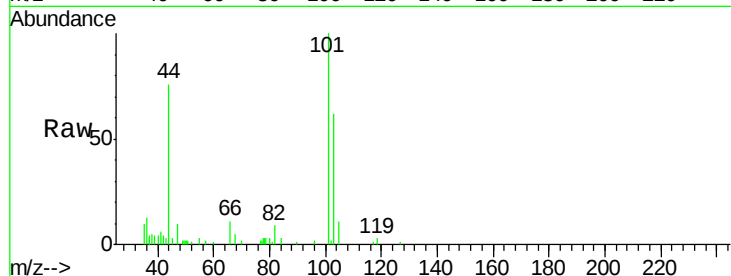
Trichlorofluoromethane
Concen: 0.95 ug/l
RT: 1.94 min Scan# 222
Delta R.T. 0.01 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	52.6	78.8

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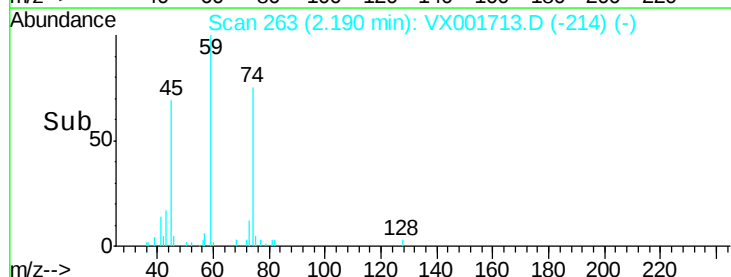
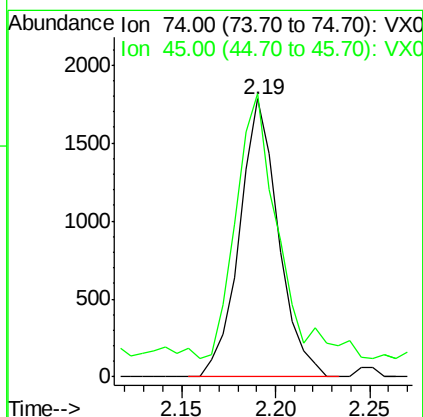
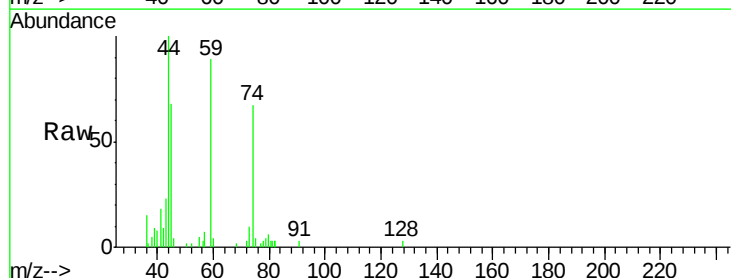
MMDadoda
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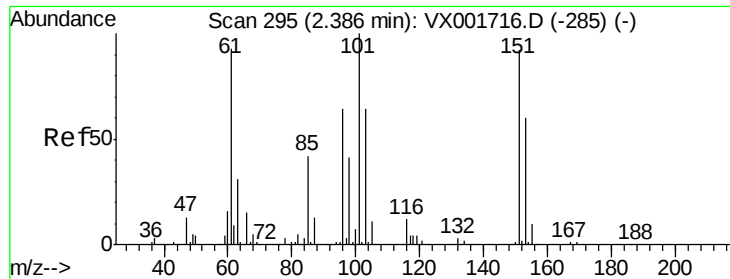


#8

Diethyl Ether
Concen: 0.93 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.2	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.01 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Instrument :

MSVOA_X

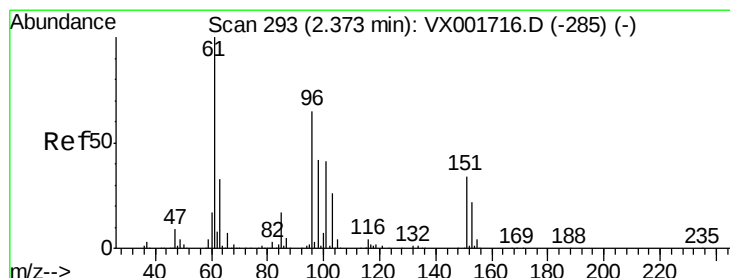
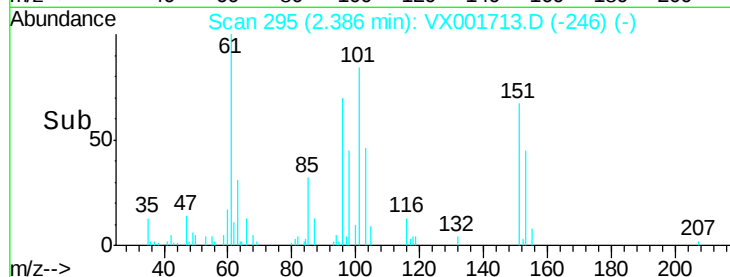
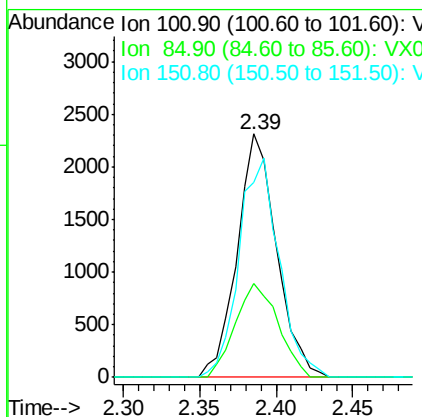
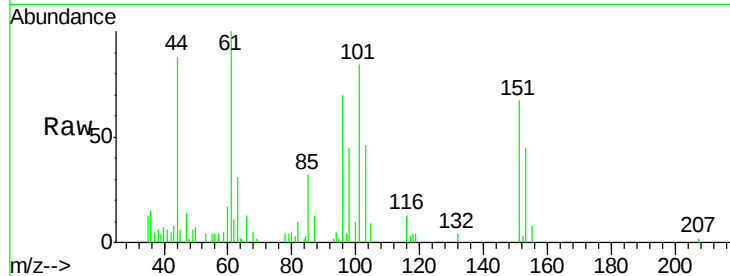
ClientSampleId :

VSTDIC001

Tot Ion:	101	Resp:	4145
Ion	Ratio	Lower	Upper
101	100		
85	41.8	33.7	50.5
151	92.1	73.0	109.6

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#12

1,1-Dichloroethene

Concen: 1.05 ug/l

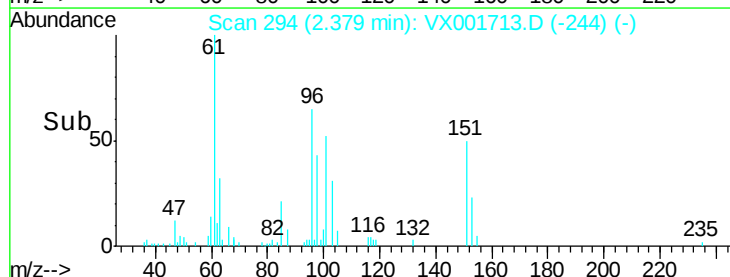
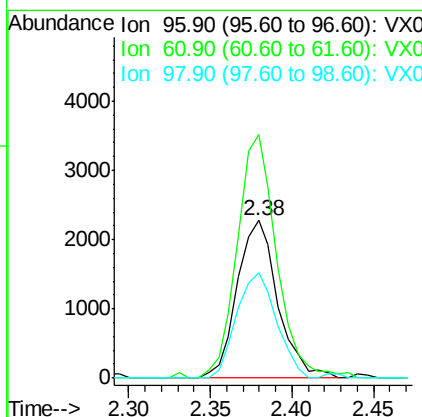
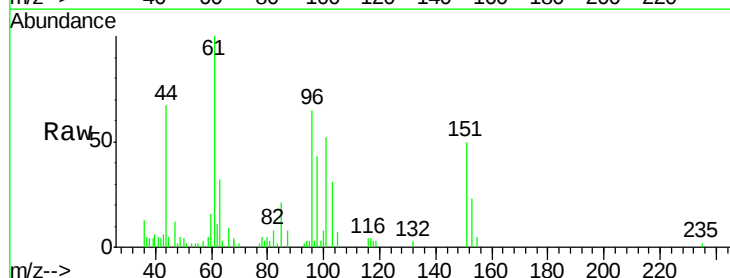
RT: 2.38 min Scan# 294

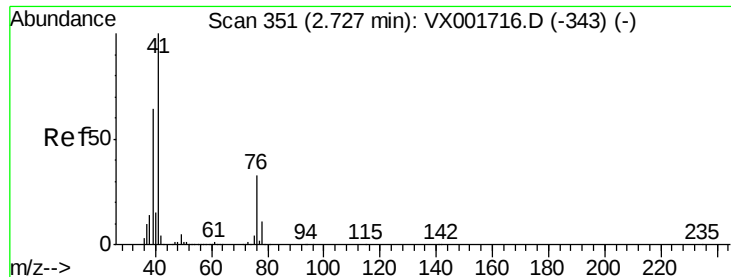
Delta R.T. 0.01 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Tgt Ion:	96	Resp:	3941
Ion	Ratio	Lower	Upper
96	100		
61	154.6	122.2	183.2
98	67.0	51.4	77.0





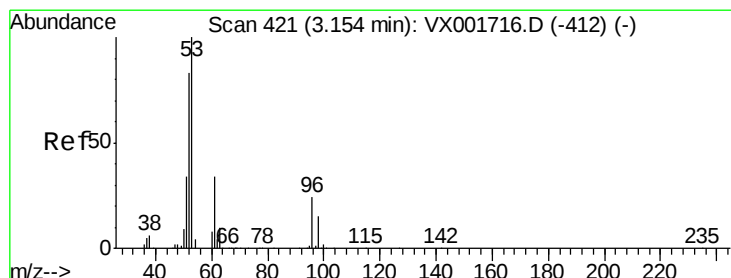
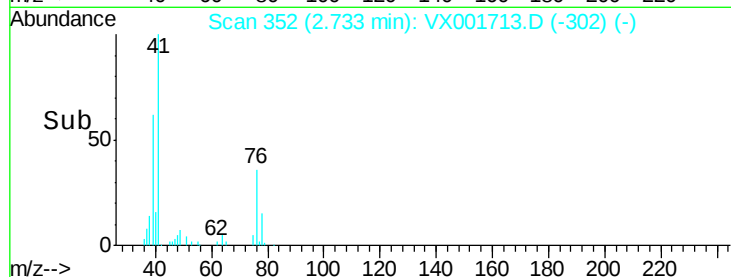
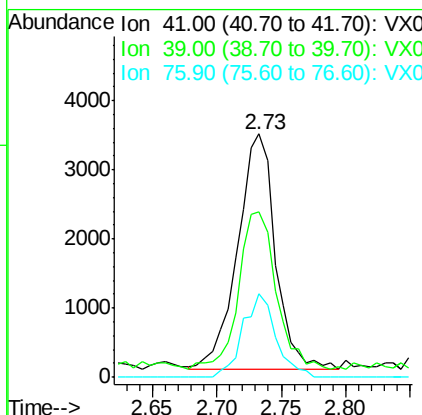
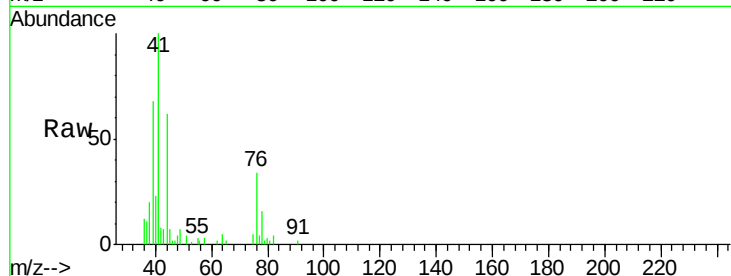
#14
Allvl chloride
Concen: 0.99 ug/l
RT: 2.73 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.2	49.8	74.6
76	30.6	25.8	38.8

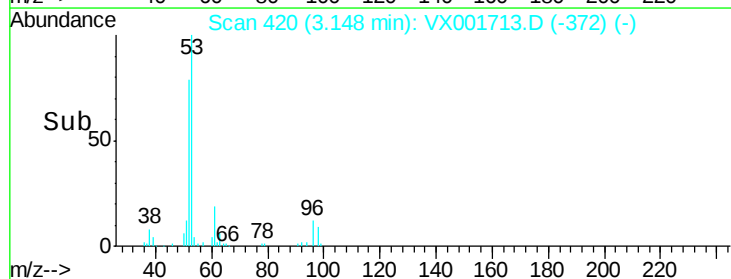
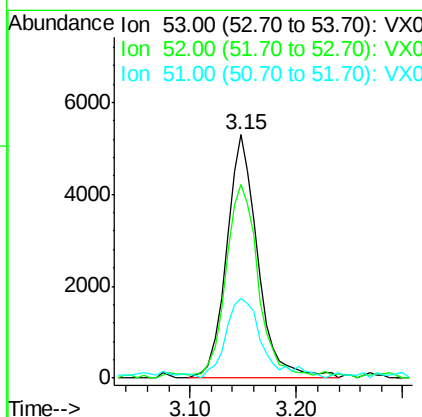
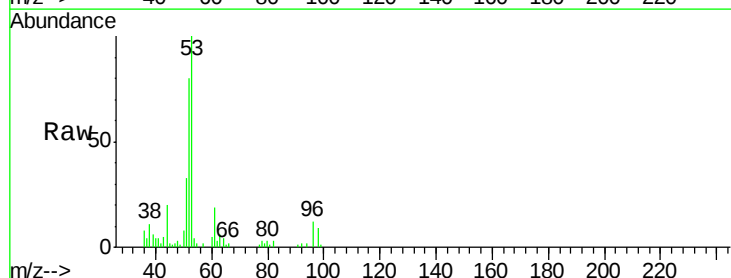
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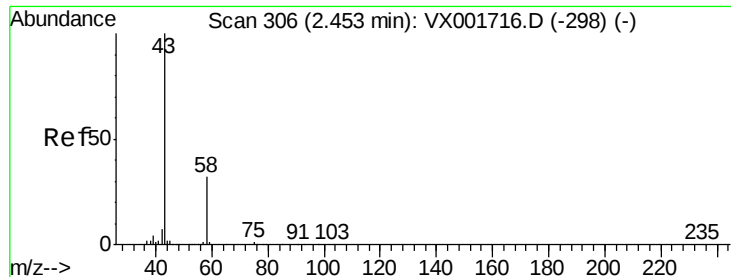
MMDadoda
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#15
Acrylonitrile
Concen: 4.64 ug/l
RT: 3.15 min Scan# 420
Delta R.T. -0.01 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Tgt Ion	Ratio	Lower	Upper
53	100		
52	80.8	65.6	98.4
51	38.7	28.1	42.1





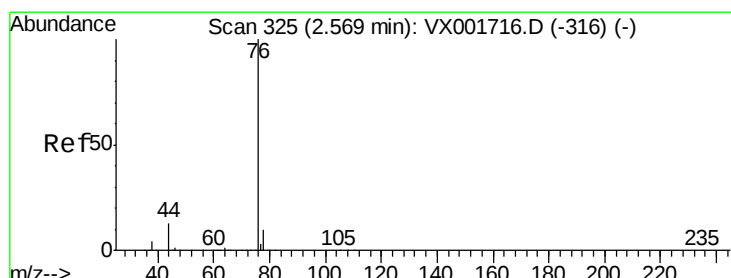
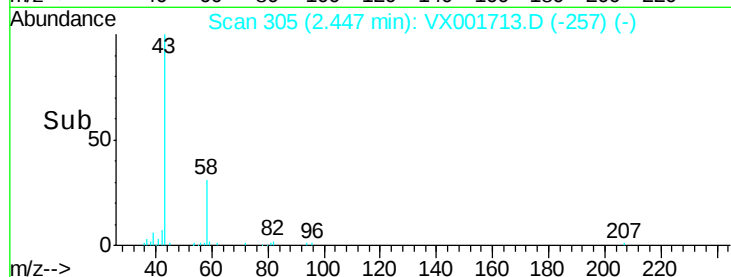
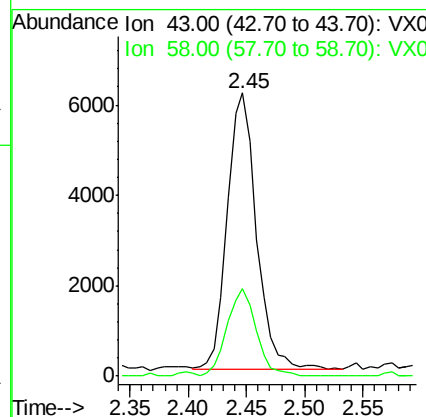
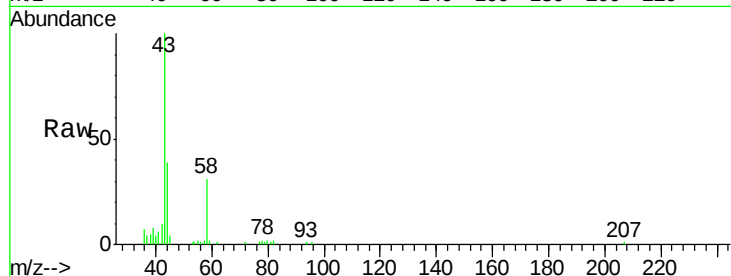
#16
Acetone
Concen: 4.81 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	43	Resp	10582
Ion Ratio	43	100	
	58	31.7	
		25.3	37.9

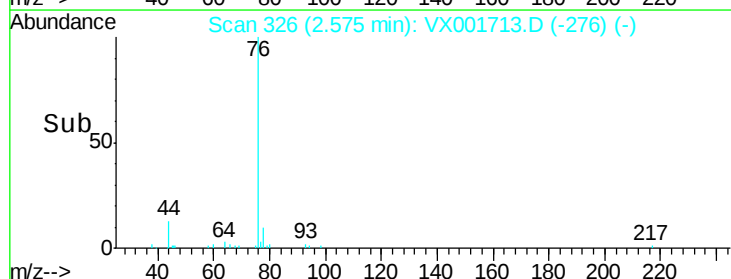
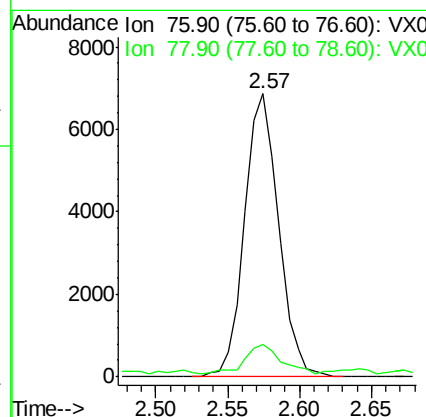
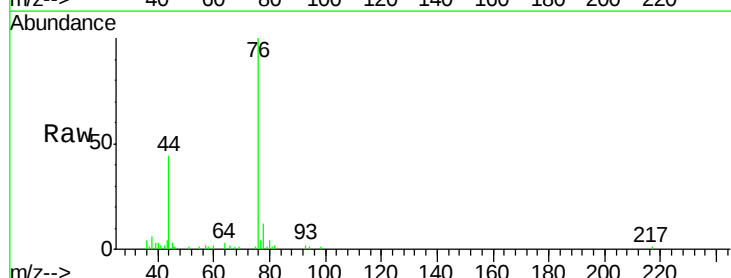
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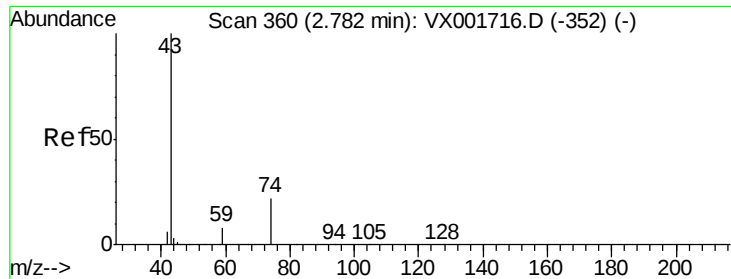
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#17
Carbon Disulfide
Concen: 1.17 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Tgt Ion	76	Resp	11228
Ion Ratio	76	100	
	78	10.2	
		7.6	11.4





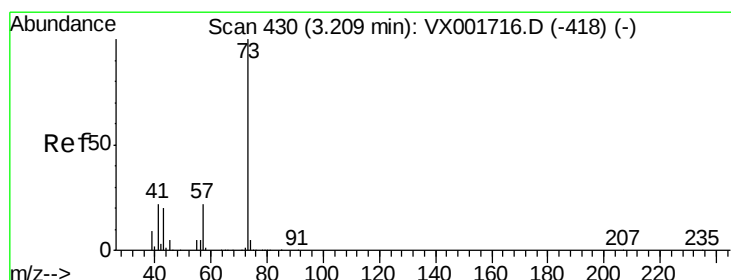
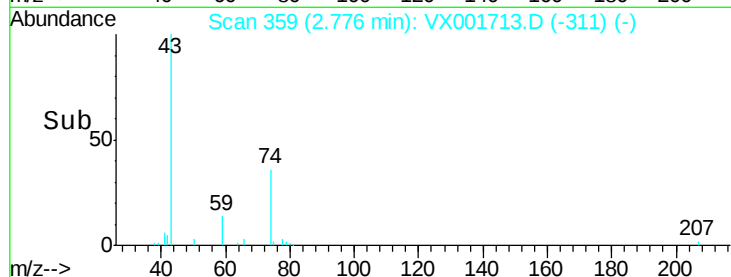
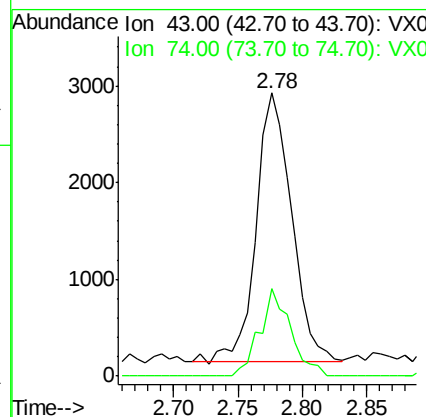
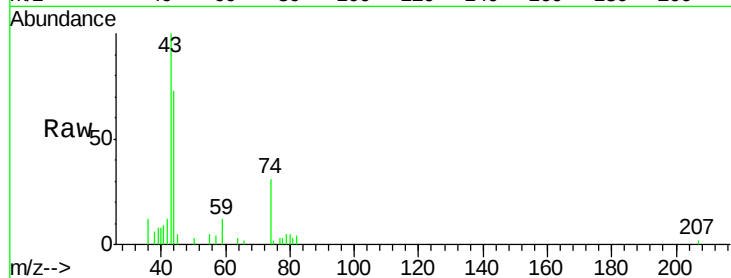
#18
Methvl Acetate
Concen: 0.89 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	43	Resp	5278
Ion Ratio	Lower	Upper	
43	100		
74	28.4	18.2	27.2#

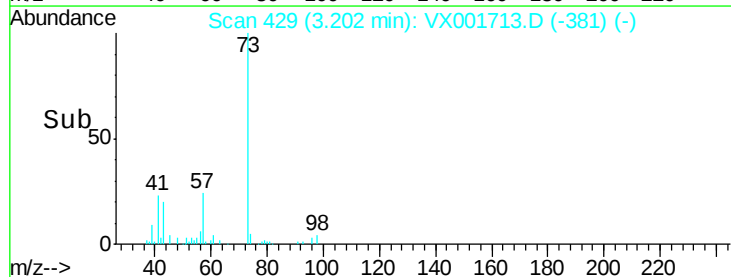
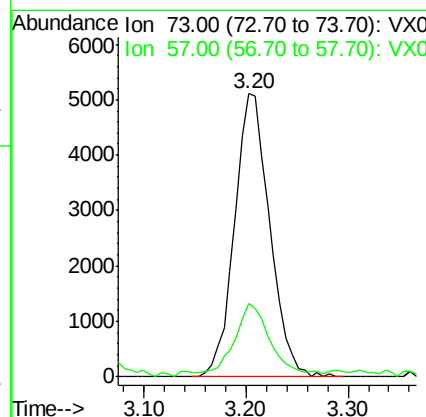
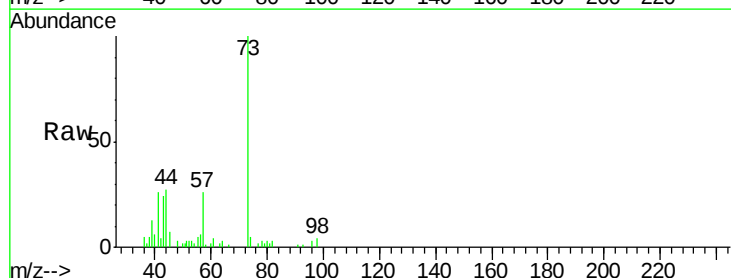
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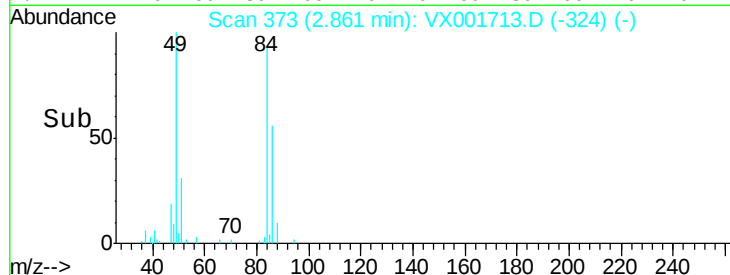
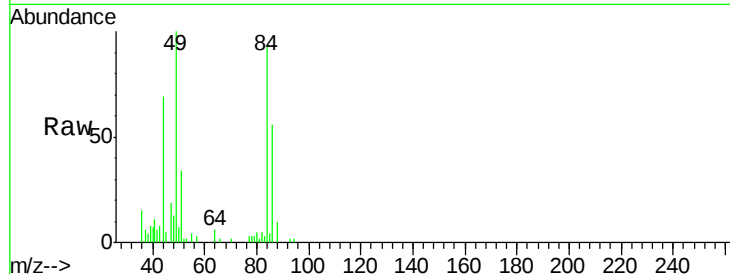
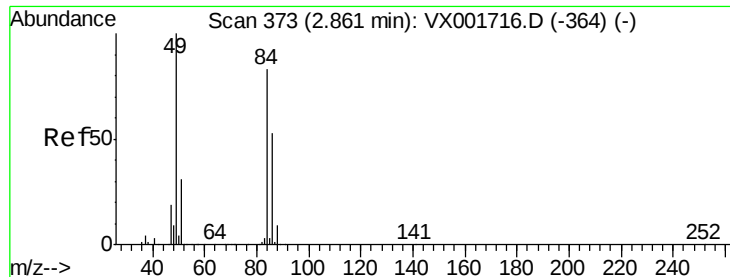
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#19
Methyl tert-butyl Ether
Concen: 0.93 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

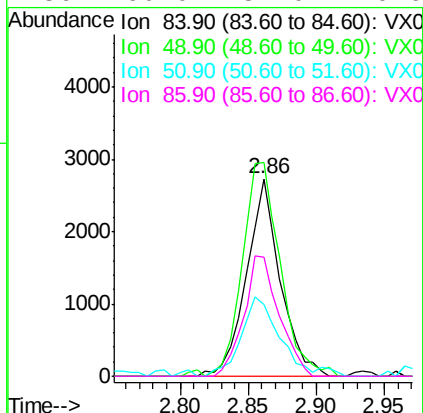
Tgt Ion	73	Resp	12209
Ion Ratio	Lower	Upper	
73	100		
57	24.3	17.5	26.3





#20
Methvlene Chloride
Concen: 1.08 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

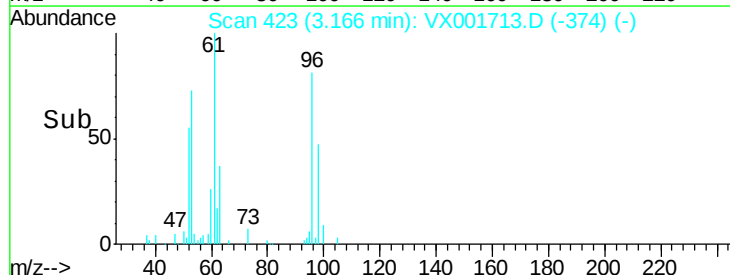
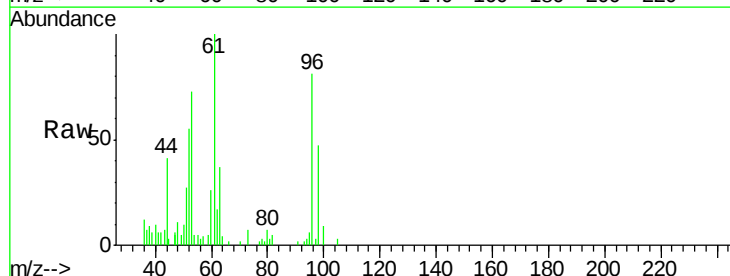
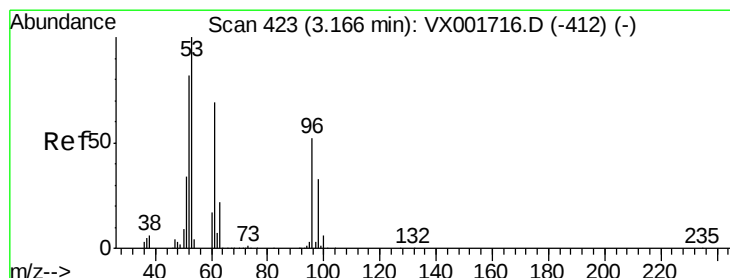
Tot Ion:	84	Resp:	4748
Ion	Ratio	Lower	Upper
84	100		
49	108.0	96.3	144.5
51	34.3	29.8	44.6
86	60.0	51.0	76.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

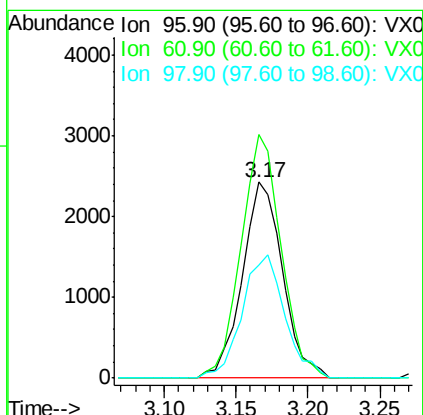
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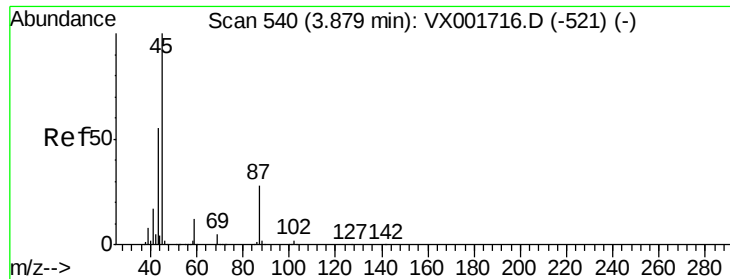
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#21
trans-1,2-Dichloroethene
Concen: 1.11 ug/l
RT: 3.17 min Scan# 423
Delta R.T. -0.00 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Tgt Ion:	96	Resp:	4700
Ion	Ratio	Lower	Upper
96	100		
61	124.2	105.8	158.8
98	57.8	50.2	75.4





#22

Diisopropyl ether

Concen: 0.99 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Instrument :

MSVOA_X

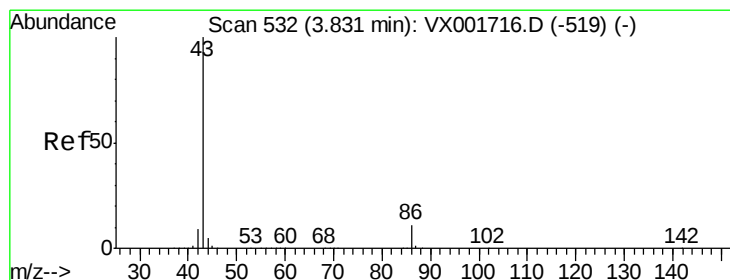
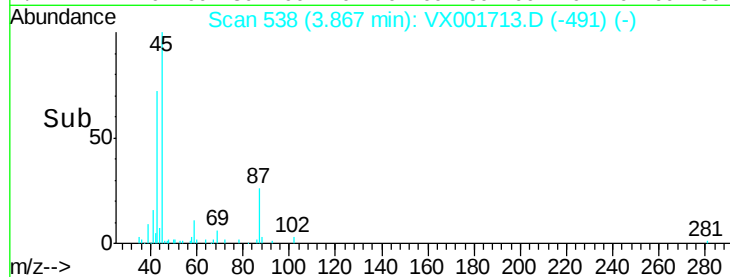
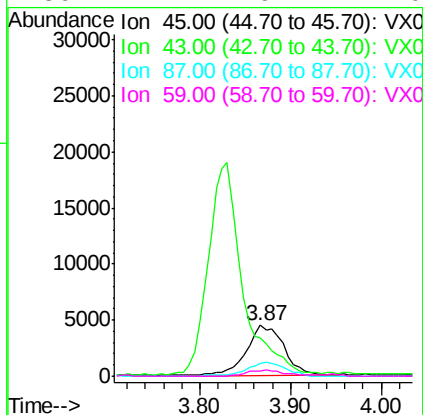
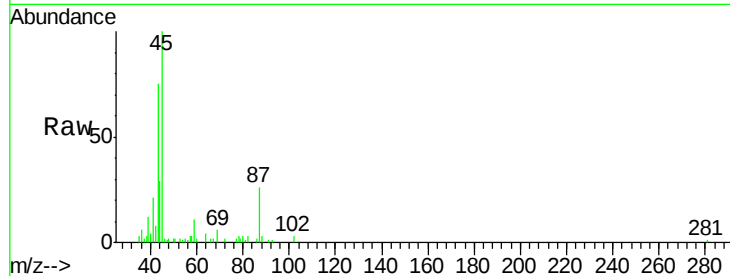
ClientSampleId :

VSTDIC001

Tot Ion	45	Resp	13129
Ion Ratio	Lower	Upper	
45	100		
43	71.9	44.3	66.5#
87	26.7	22.6	33.8
59	11.1	9.4	14.0

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#23

Vinyl Acetate

Concen: 4.69 ug/l

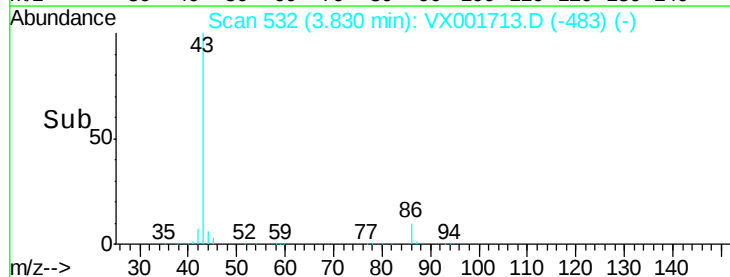
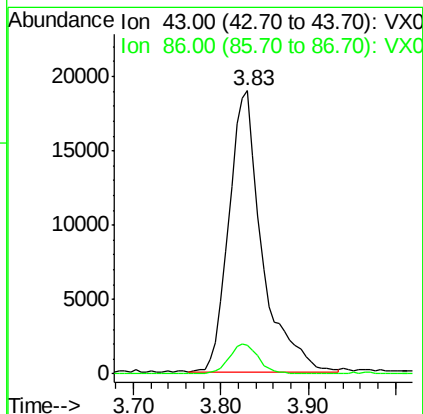
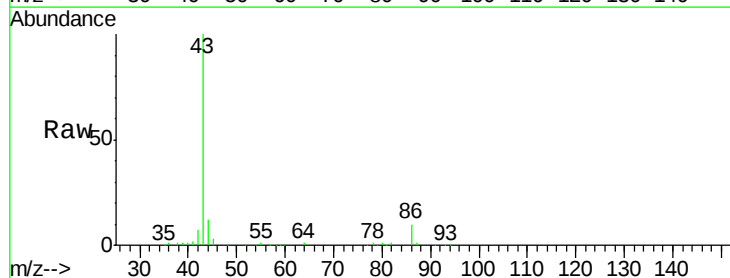
RT: 3.83 min Scan# 532

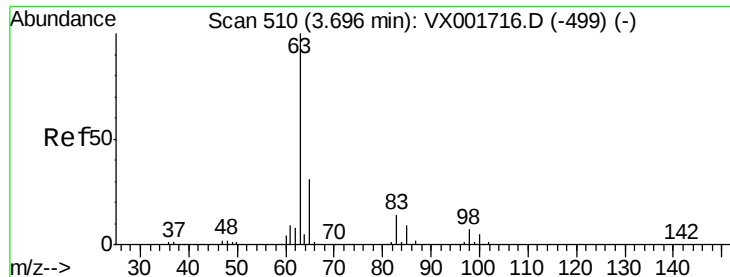
Delta R.T. -0.00 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Tgt Ion	43	Resp	50024
Ion Ratio	Lower	Upper	
43	100		
86	10.3	8.7	13.1





#24

1,1-Dichloroethane

Concen: 1.03 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Instrument :

MSVOA_X

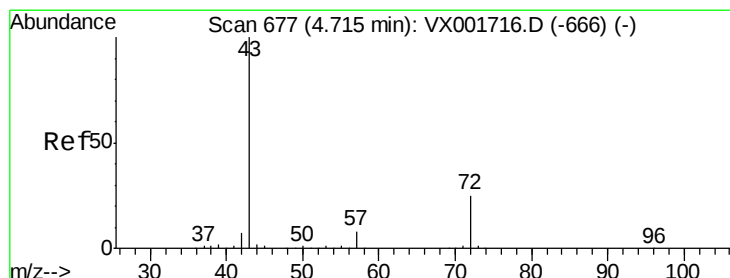
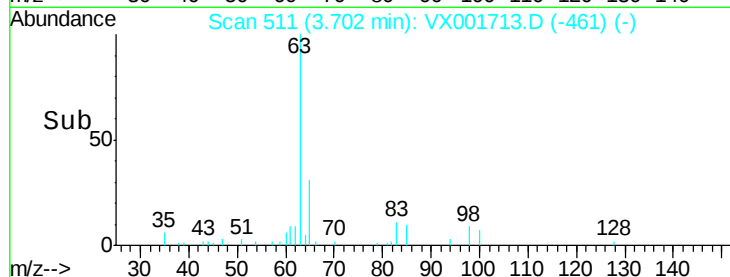
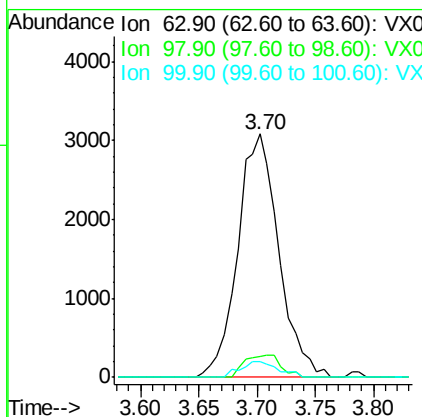
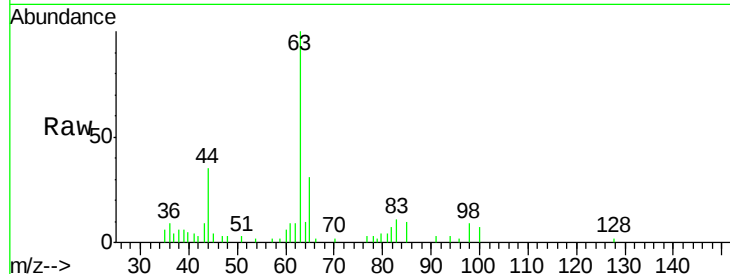
ClientSampleId :

VSTDIC001

Tot Ion:	63	Resp:	7545
Ion	Ratio	Lower	Upper
63	100		
98	8.8	3.7	11.1
100	6.7	2.4	7.2

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#25

2-Butanone

Concen: 4.26 ug/l

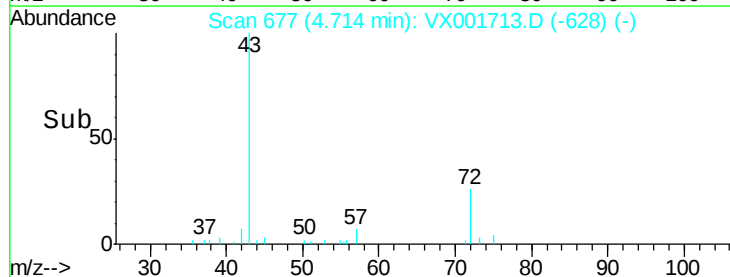
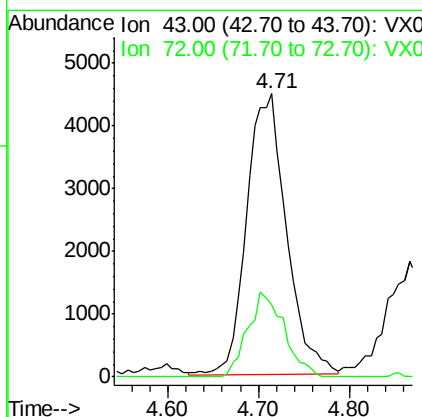
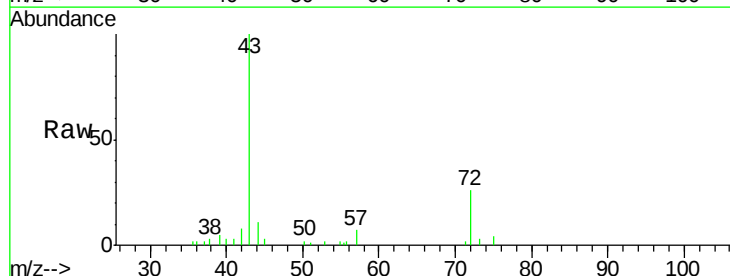
RT: 4.71 min Scan# 677

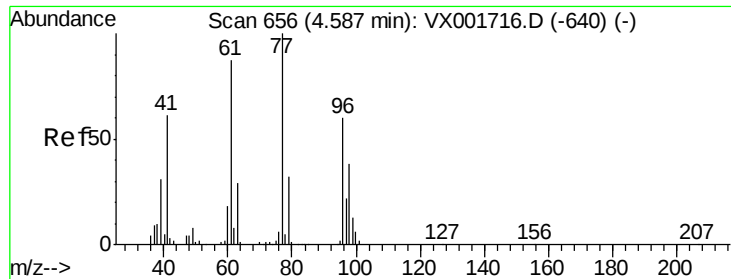
Delta R.T. -0.00 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Tgt Ion:	43	Resp:	13688
Ion	Ratio	Lower	Upper
43	100		
72	26.0	19.8	29.6





#26

2,2-Dichloropropane

Concen: 1.03 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 77 Resp: 5881

Ion Ratio Lower Upper

77 100

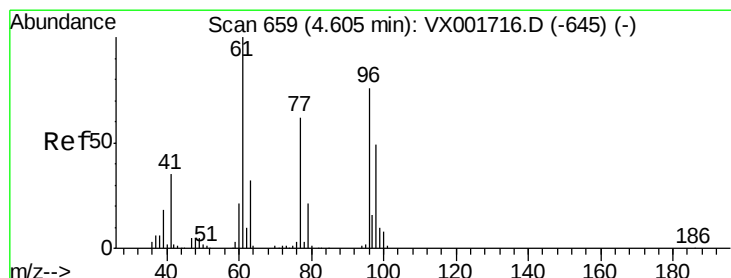
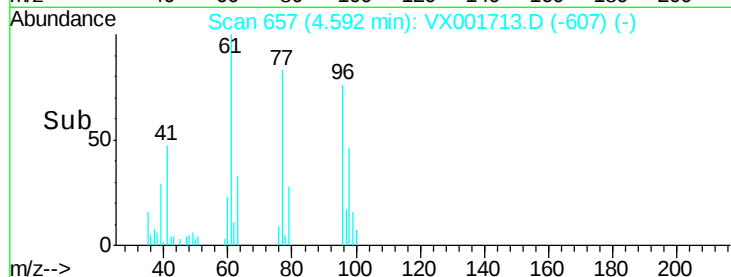
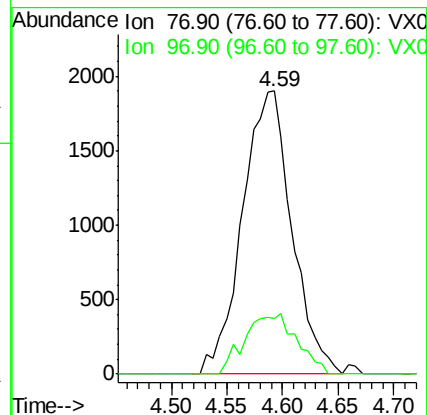
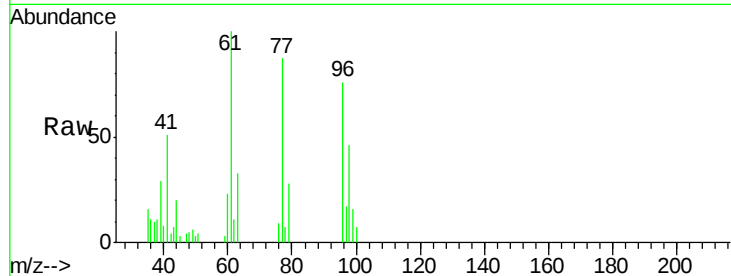
97 22.3 11.6 34.8

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#27

cis-1,2-Dichloroethene

Concen: 1.10 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

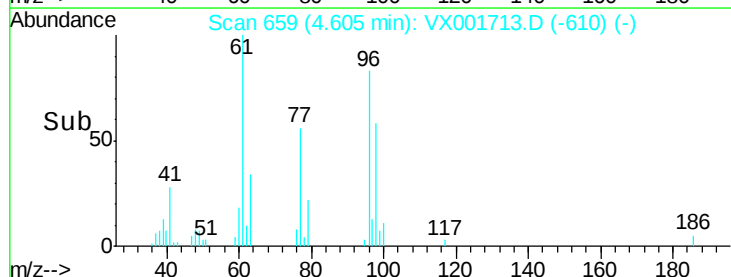
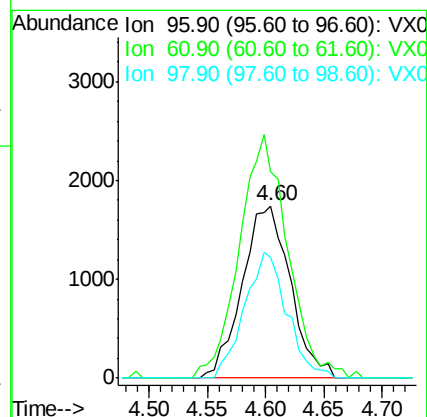
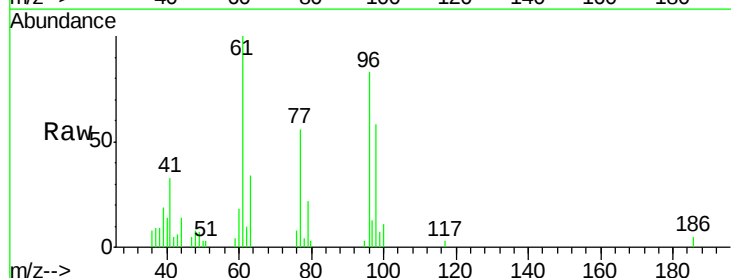
Tgt Ion: 96 Resp: 5014

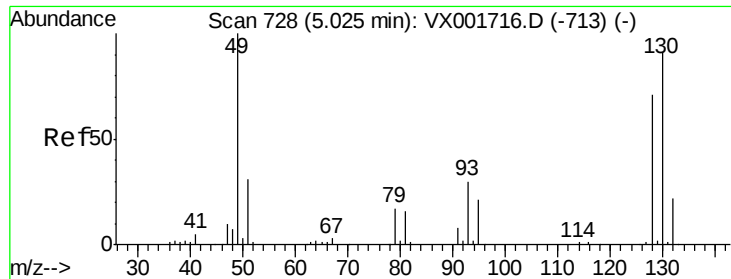
Ion Ratio Lower Upper

96 100

61 142.3 0.0 280.4

98 64.4 0.0 128.4





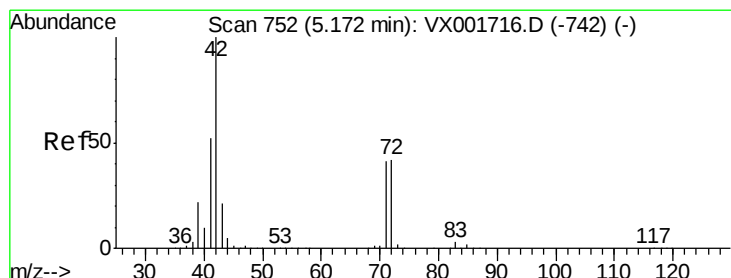
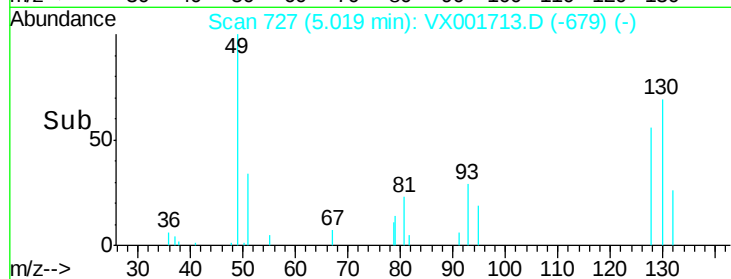
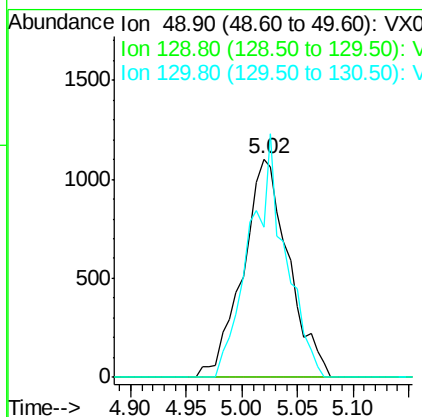
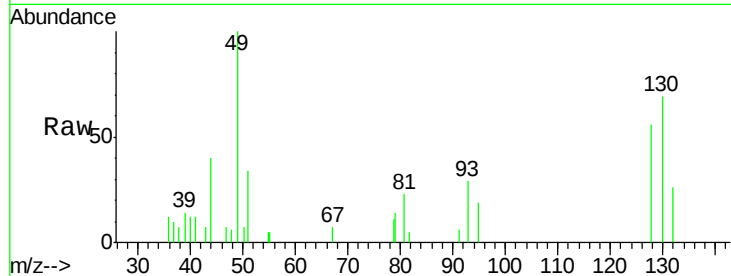
#28
 Bromochloromethane
 Concen: 0.97 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VX001713.D
 Acq: 14 May 2018 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion: 49 Resp: 3145
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 5.0
 130 87.4 71.8 107.6

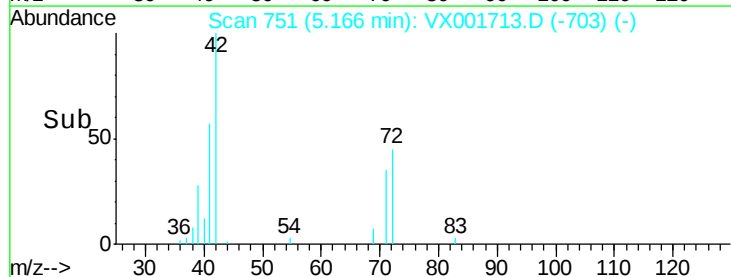
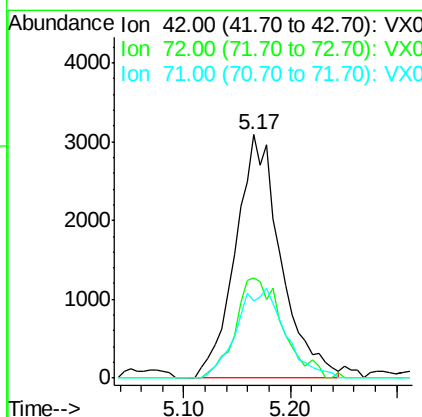
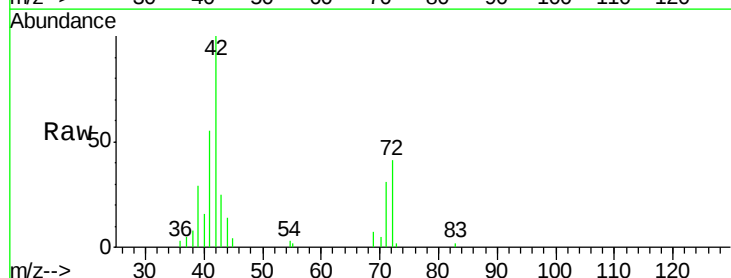
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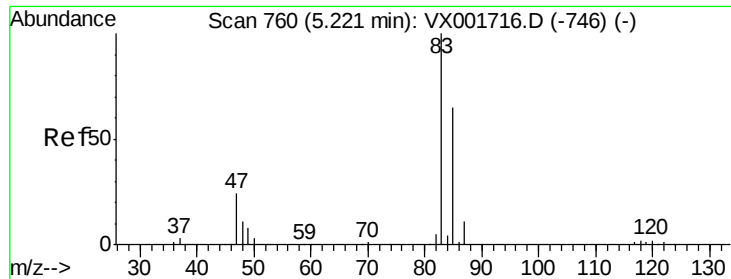
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#29
 Tetrahydrofuran
 Concen: 4.47 ug/l
 RT: 5.17 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: VX001713.D
 Acq: 14 May 2018 16:57

Tgt Ion: 42 Resp: 9216
 Ion Ratio Lower Upper
 42 100
 72 42.5 35.4 53.2
 71 39.2 33.2 49.8





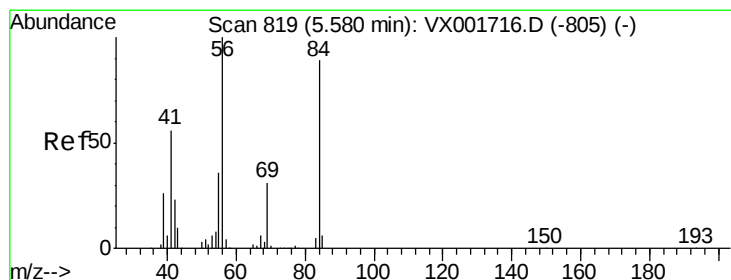
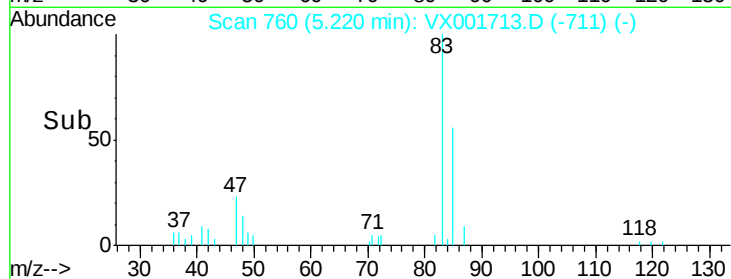
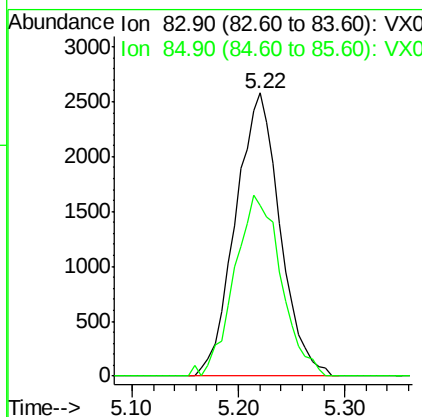
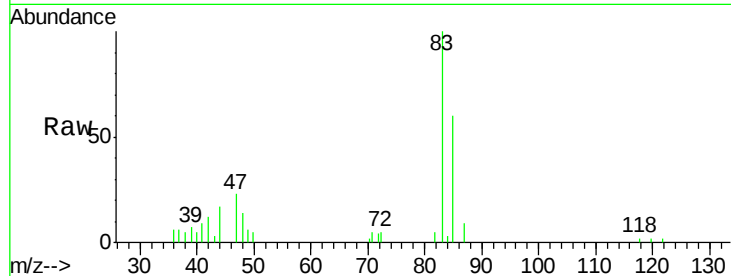
#30
Chloroform
Concen: 0.99 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	7556
Ion Ratio	100	Lower	Upper
85	60.2	52.3	78.5

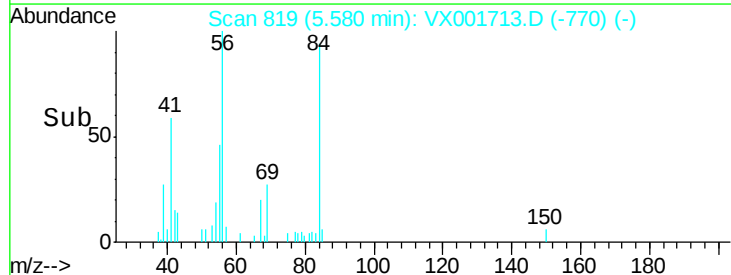
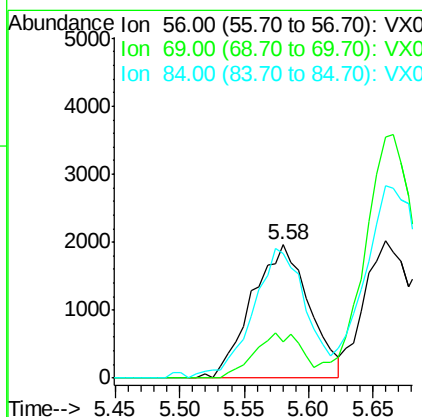
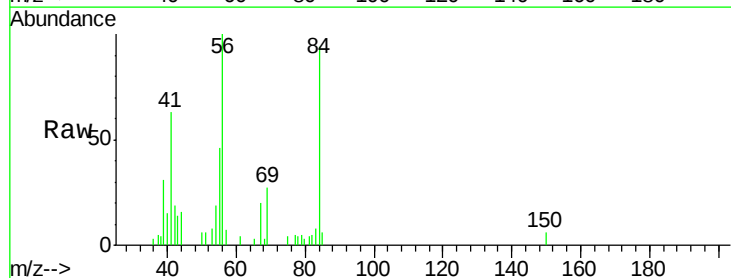
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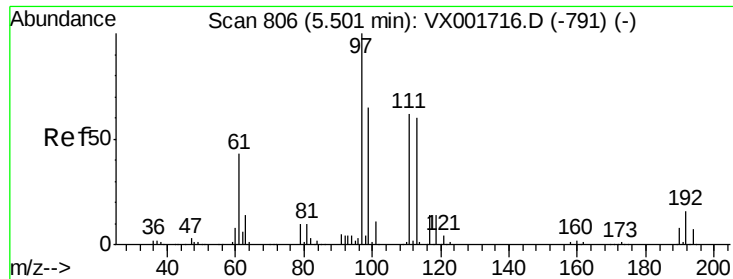
MMDadoda
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#31
Cyclohexane
Concen: 0.95 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Tgt Ion	56	Resp	6040
Ion Ratio	100	Lower	Upper
69	27.0	25.0	37.6
84	93.9	71.0	106.4





#32

1,1,1-Trichloroethane

Concen: 0.92 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Instrument :

MSVOA_X

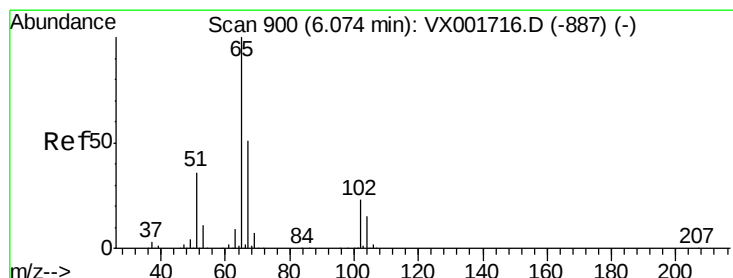
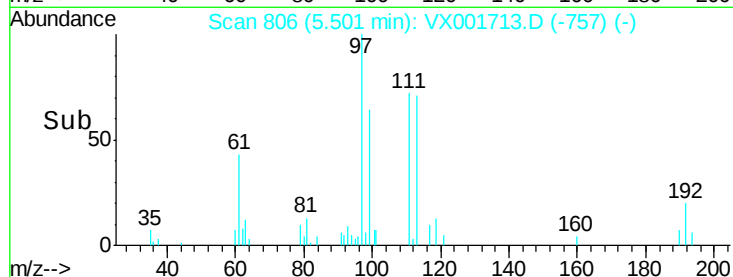
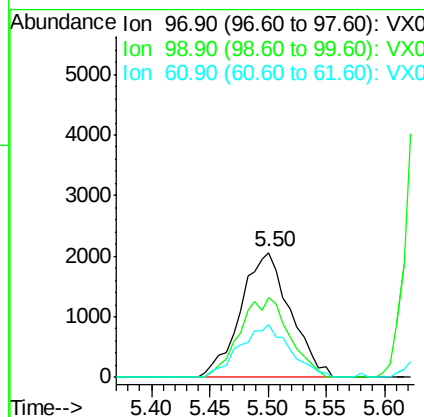
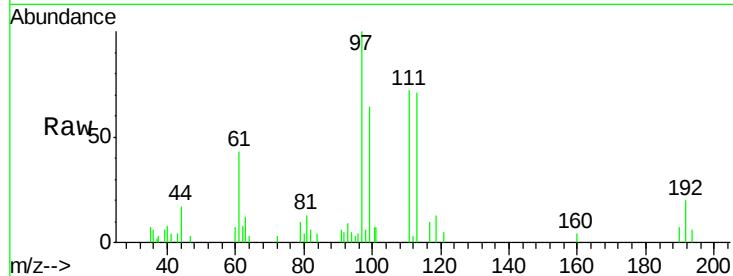
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.3	76.9#
61	42.4	34.0	51.0

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#33

1,2-Dichloroethane-d4

Concen: 1.10 ug/l

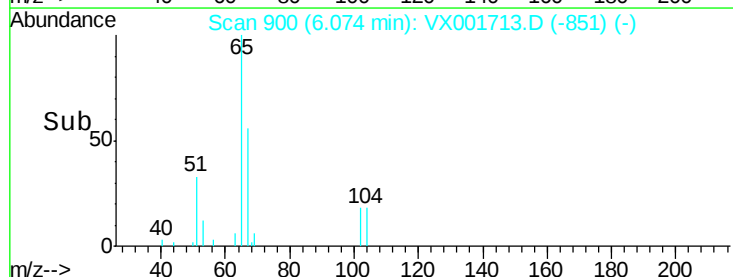
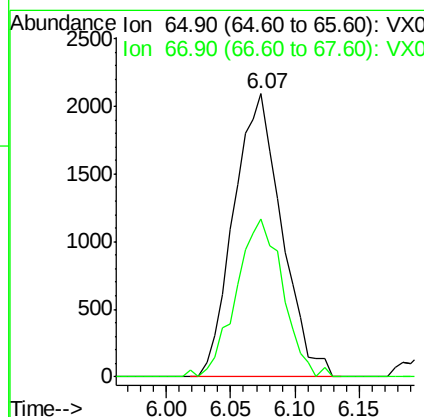
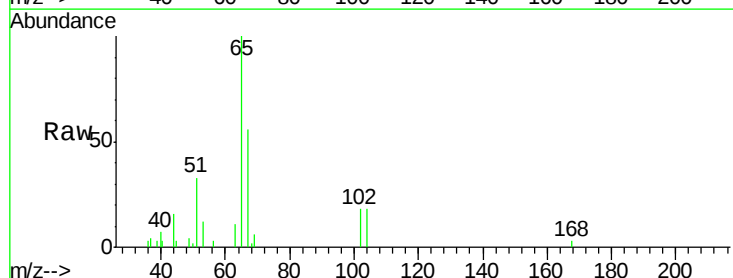
RT: 6.07 min Scan# 900

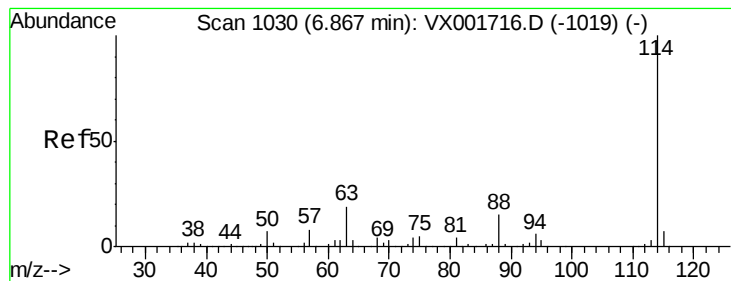
Delta R.T. -0.00 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	102.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Instrument :

MSVOA_X

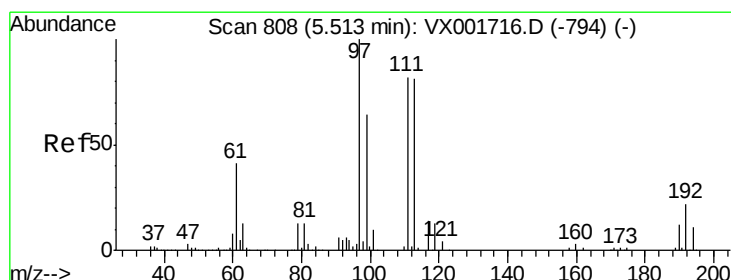
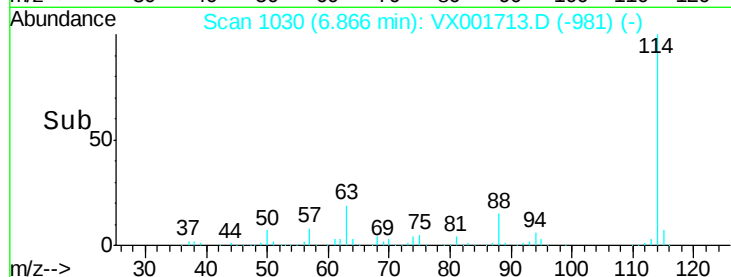
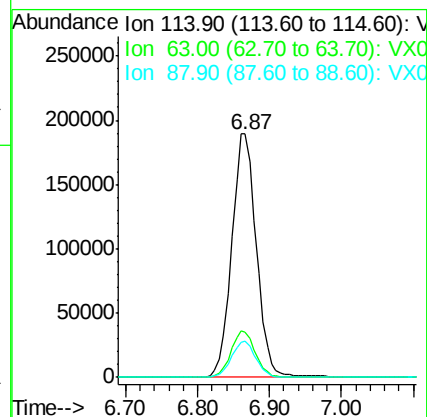
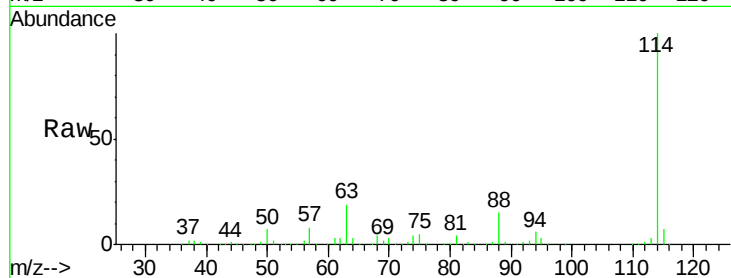
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
114	100	451329		
63	18.6		0.0	37.0
88	14.7		0.0	29.8

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#35

Dibromofluoromethane

Concen: 1.08 ug/l

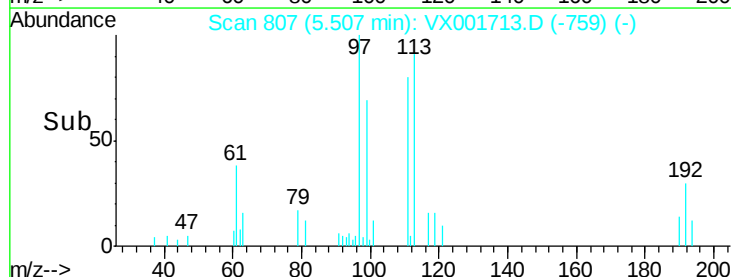
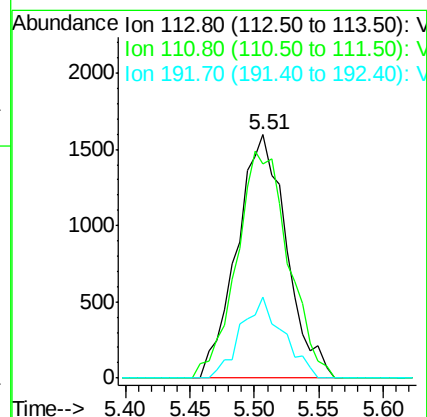
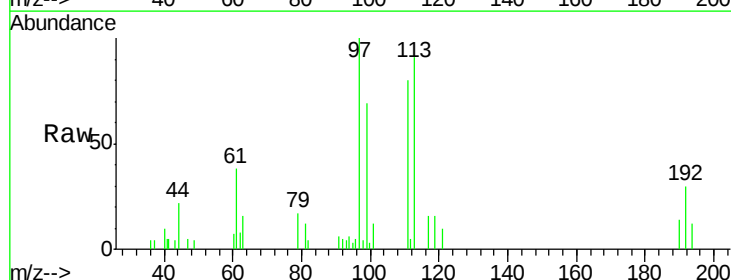
RT: 5.51 min Scan# 807

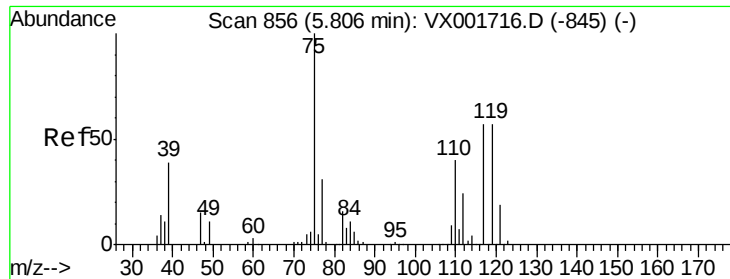
Delta R.T. -0.01 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	4265		
111	97.2		82.0	123.0
192	28.4		21.6	32.4





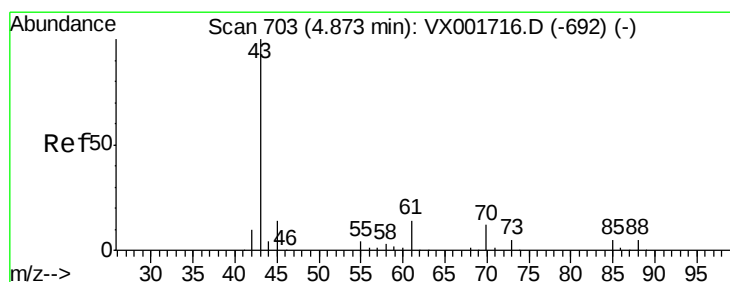
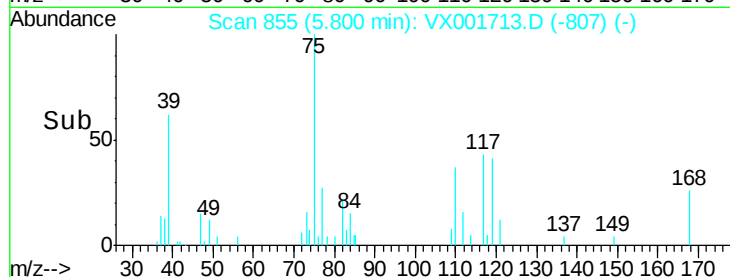
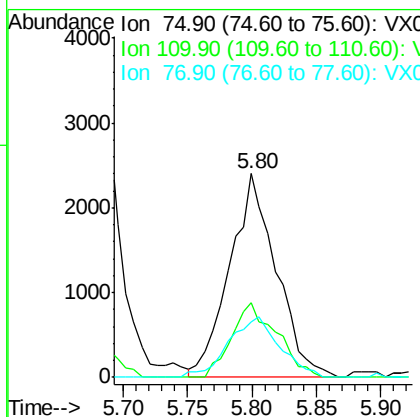
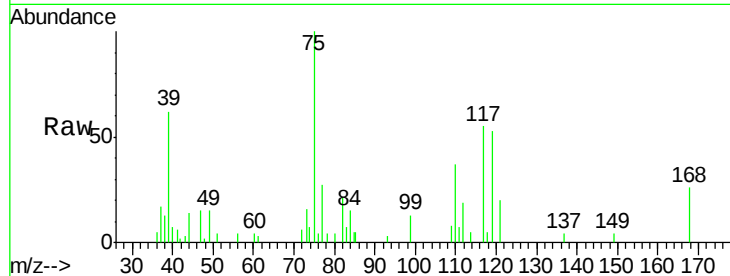
#36
 1,1-Dichloropropene
 Concen: 1.07 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VX001713.D
 Acq: 14 May 2018 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.6	19.1	57.1
77	32.6	24.6	37.0

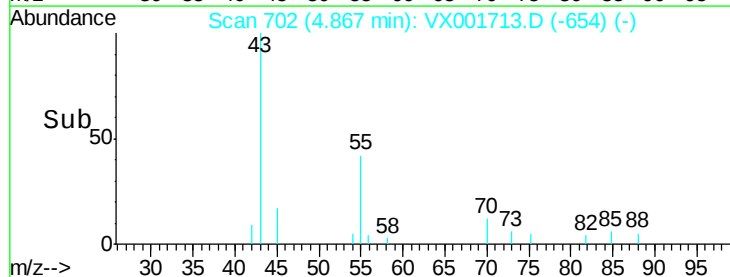
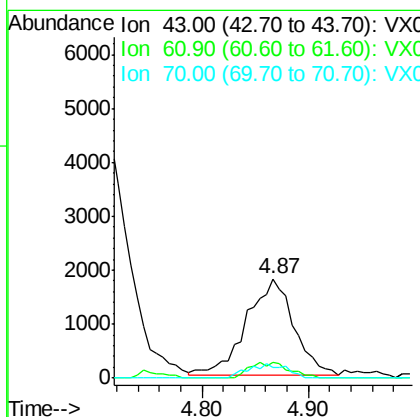
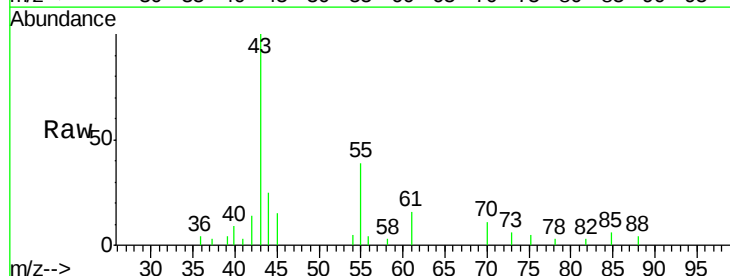
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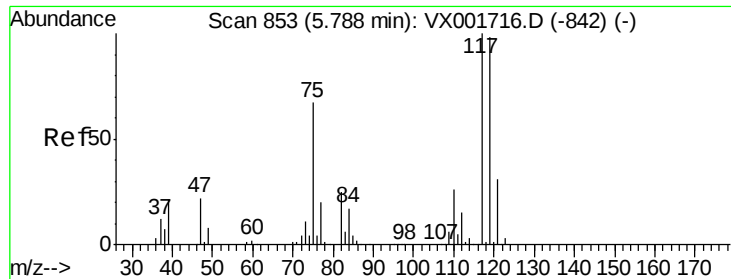
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#37
 Ethyl Acetate
 Concen: 0.90 ug/l
 RT: 4.87 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: VX001713.D
 Acq: 14 May 2018 16:57

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.9	16.3
70	12.0	8.8	13.2





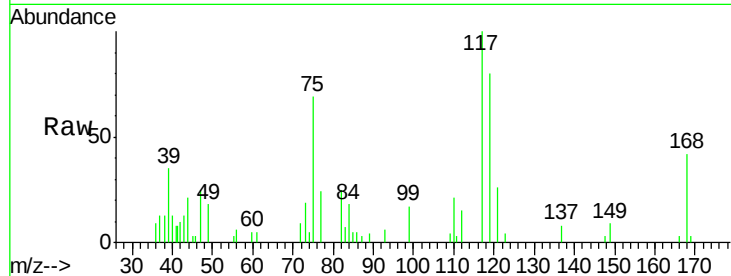
#38
Carbon Tetrachloride
Concen: 0.97 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

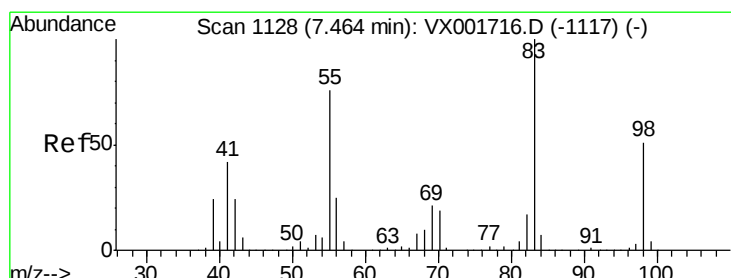
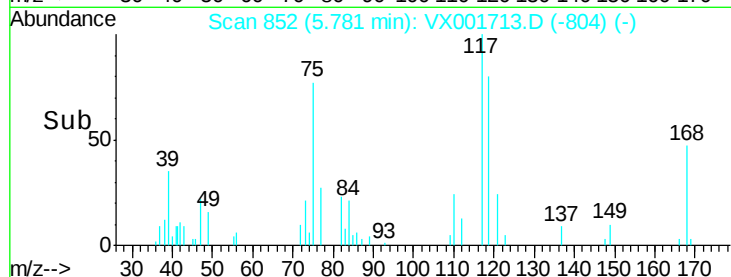
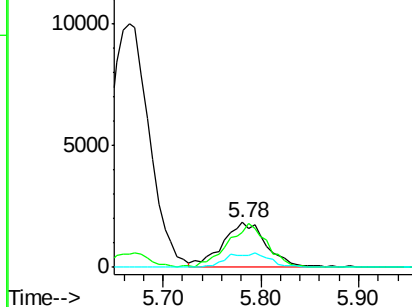
Tot Ion	Ratio	Lower	Upper
117	100		
119	79.6	77.6	116.4
121	26.3	24.6	36.8

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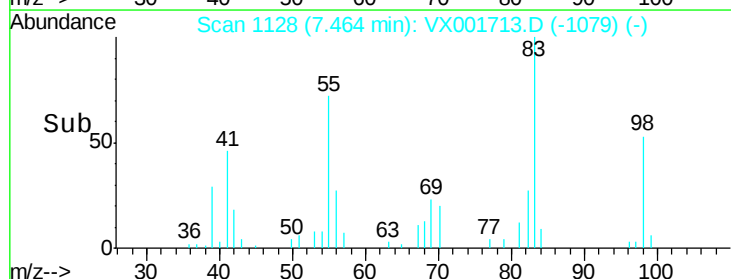
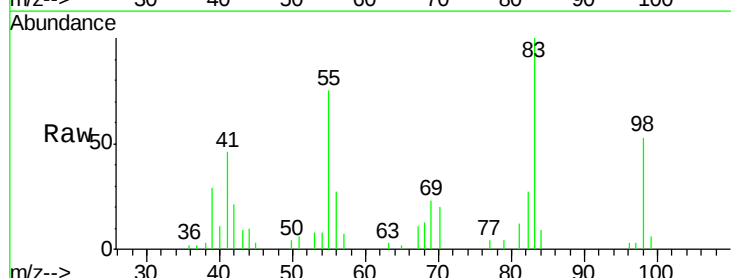
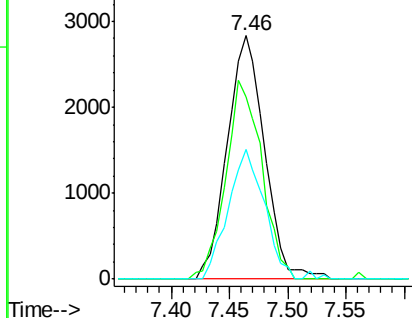
Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

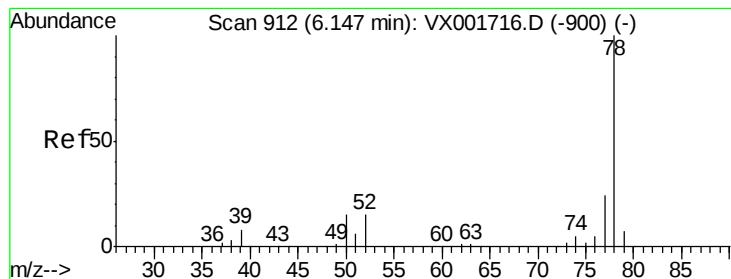


#39
Methylcyclohexane
Concen: 0.94 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Tgt Ion	Ratio	Lower	Upper
83	100		
55	74.6	60.6	90.8
98	53.1	40.4	60.6

Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.99 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.00 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 16354

Ion Ratio Lower Upper

78 100

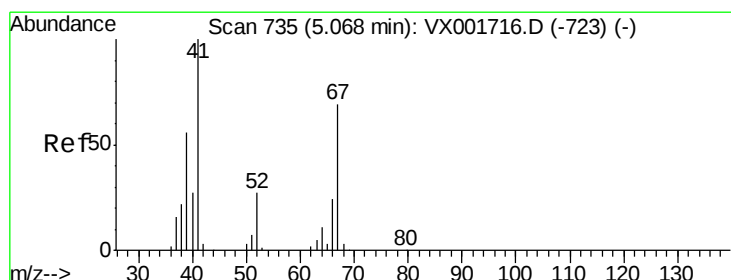
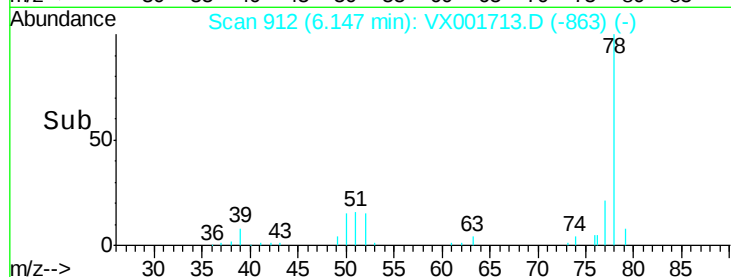
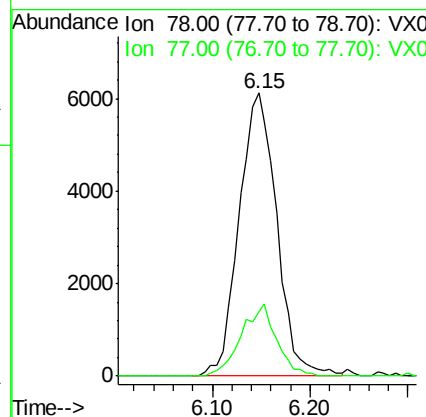
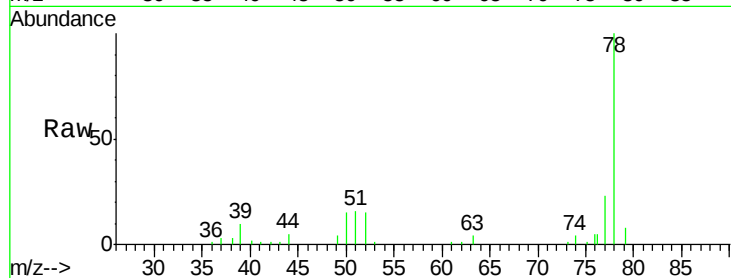
77 22.8 19.0 28.4

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#41

Methacrylonitrile

Concen: 0.93 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.01 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Tgt Ion: 41 Resp: 3279

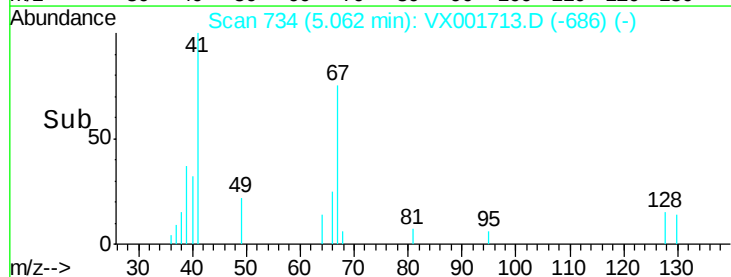
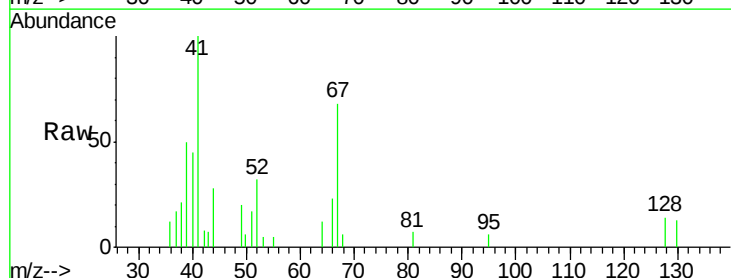
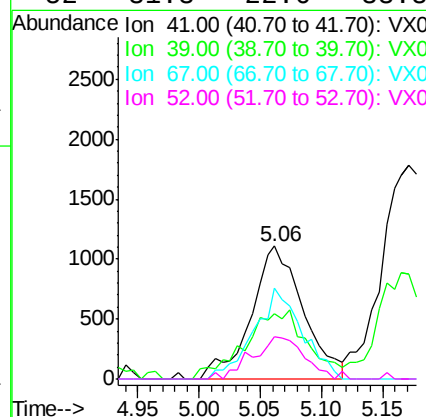
Ion Ratio Lower Upper

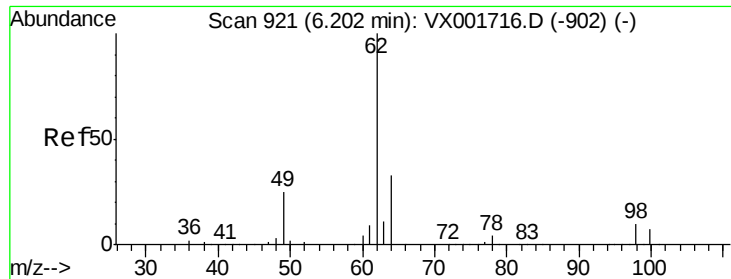
41 100

39 62.3 44.2 66.4

67 63.1 56.0 84.0

52 31.3 22.6 33.8





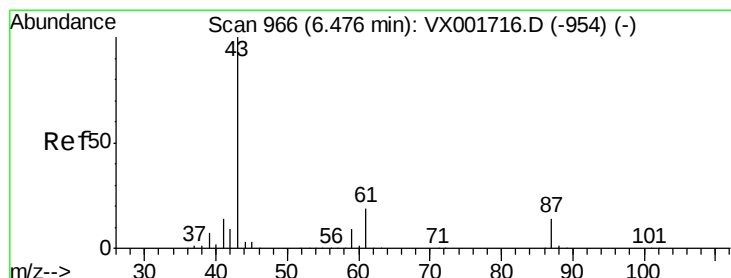
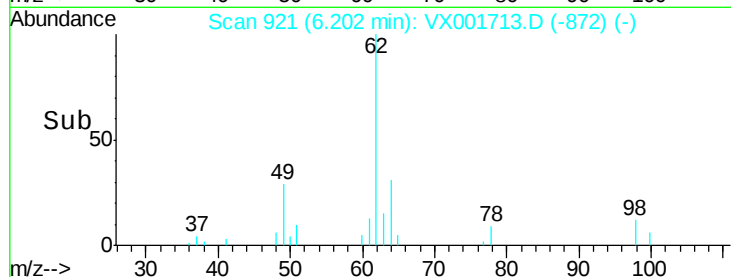
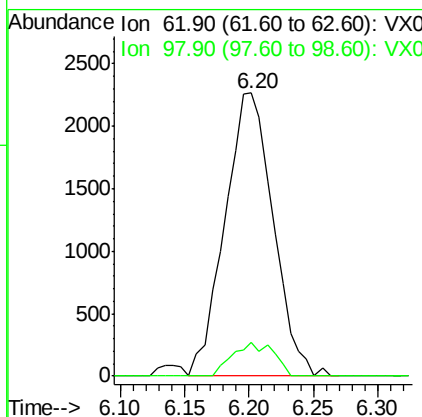
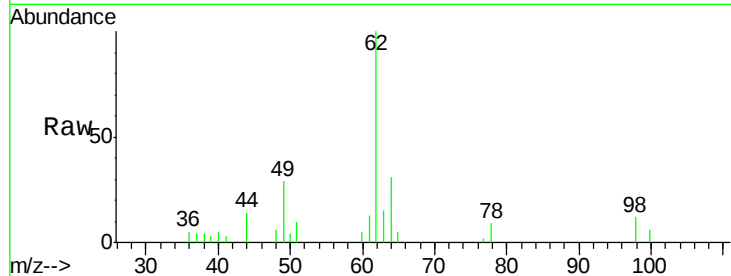
#42
 1,2-Dichloroethane
 Concen: 0.94 ug/l
 RT: 6.20 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VX001713.D
 Acq: 14 May 2018 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.0

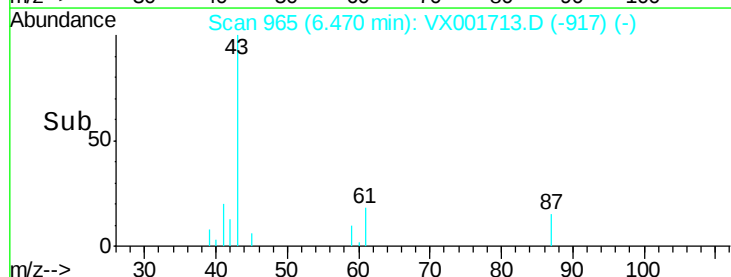
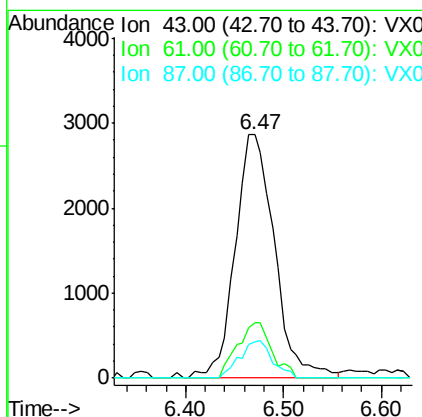
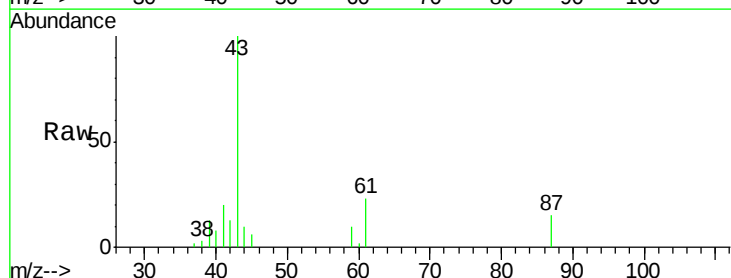
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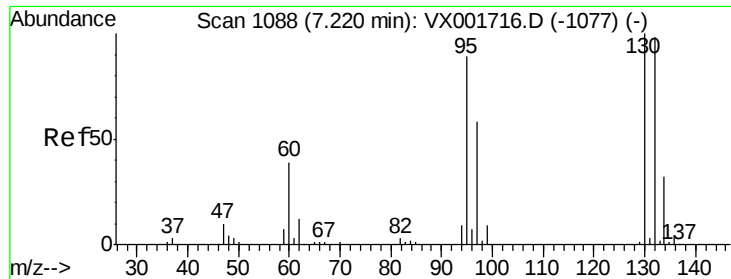
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#43
 Isopropyl Acetate
 Concen: 0.84 ug/l
 RT: 6.47 min Scan# 966
 Delta R.T. -0.01 min
 Lab File: VX001713.D
 Acq: 14 May 2018 16:57

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.8	23.8
87	12.7	11.0	16.4





#44

Trichloroethene

Concen: 1.05 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 5320

Ion Ratio Lower Upper

130 100

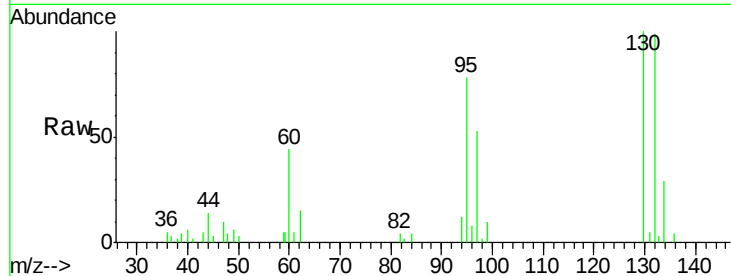
95 77.6 0.0 177.2

Manual Integrations

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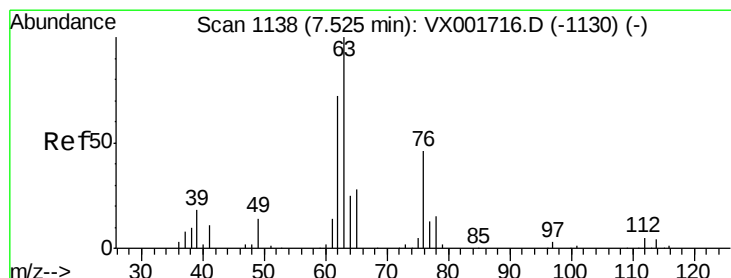
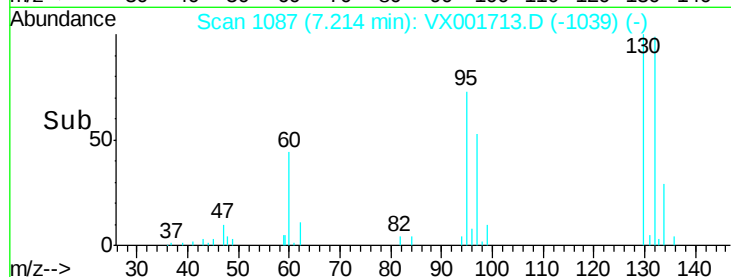
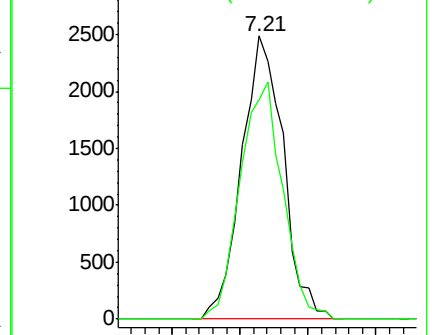
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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#45

1,2-Dichloropropane

Concen: 0.93 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VX001713.D

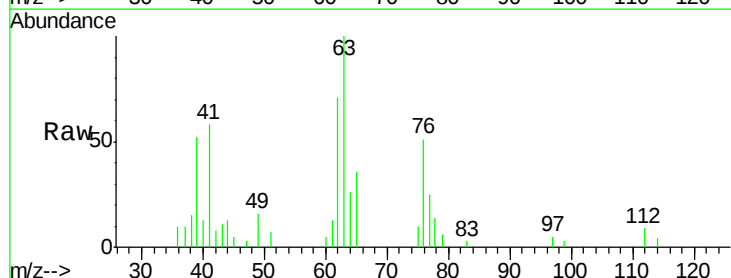
Acq: 14 May 2018 16:57

Tgt Ion: 63 Resp: 3822

Ion Ratio Lower Upper

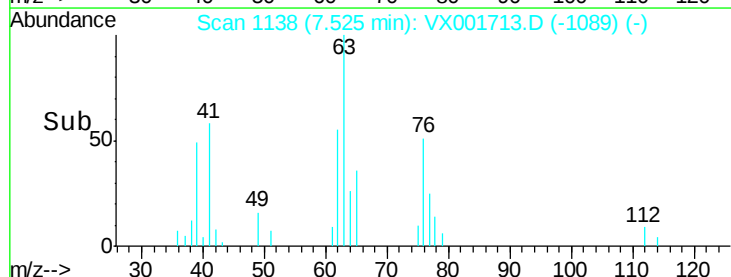
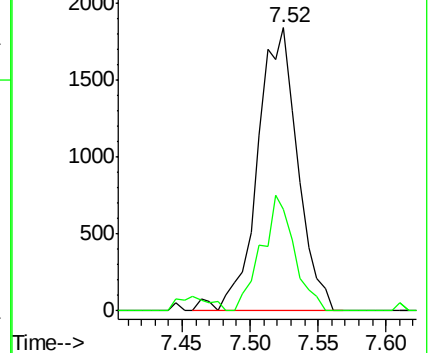
63 100

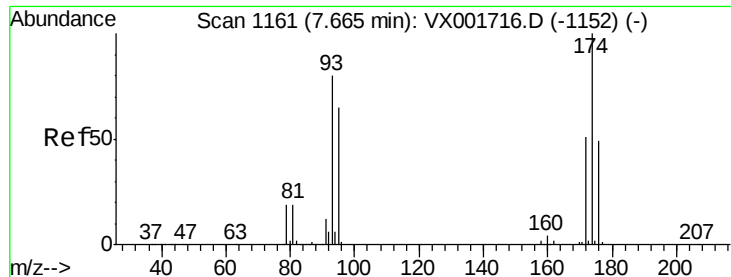
65 35.9 24.2 36.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





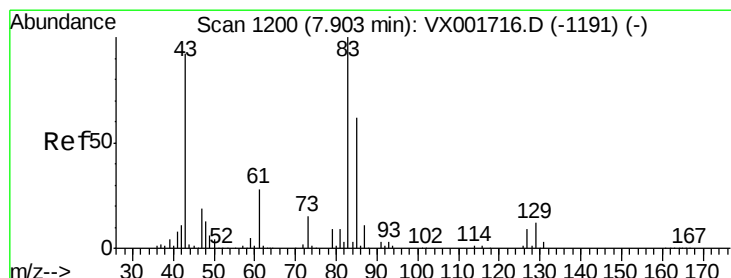
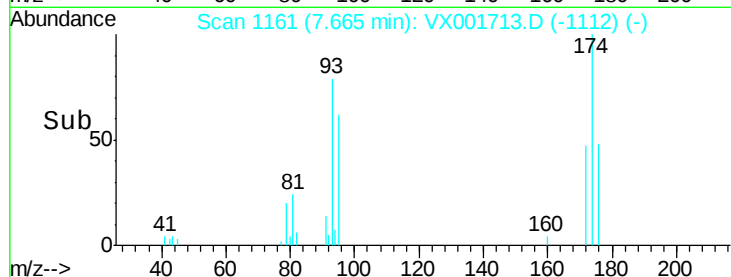
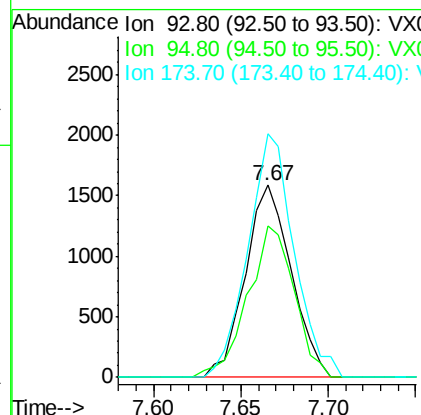
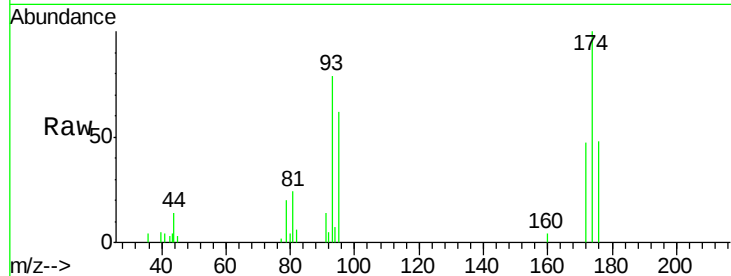
#46
Dibromomethane
Concen: 1.00 ug/l
RT: 7.67 min Scan# 1161
Delta R.T. -0.00 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 93 Resp: 2894
Ion Ratio Lower Upper
93 100
95 79.9 65.9 98.9
174 127.9 106.2 159.2

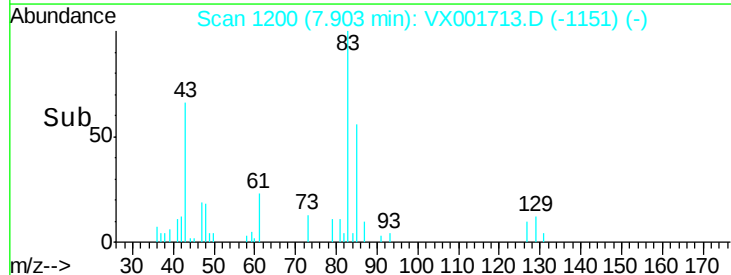
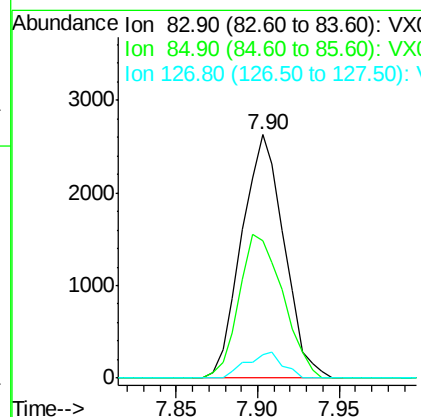
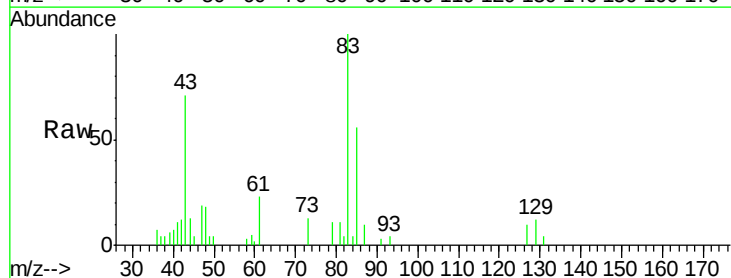
Manual Integrations
APPROVED

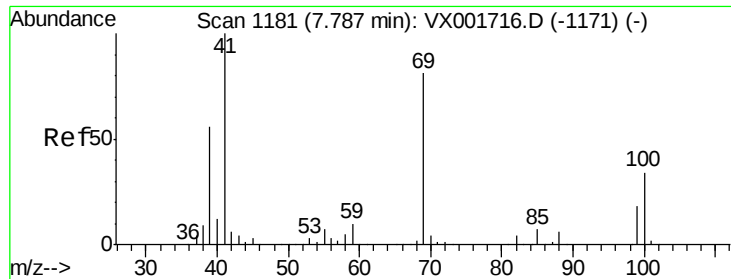
MMDadoda
5/16/2018 11:54:04 AM



#47
Bromodichloromethane
Concen: 0.88 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Tgt Ion: 83 Resp: 4752
Ion Ratio Lower Upper
83 100
85 56.3 49.6 74.4
127 9.8 7.5 11.3





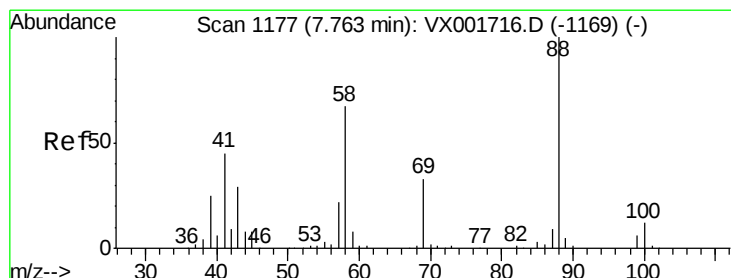
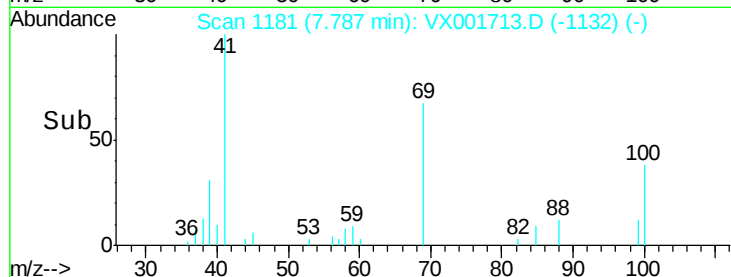
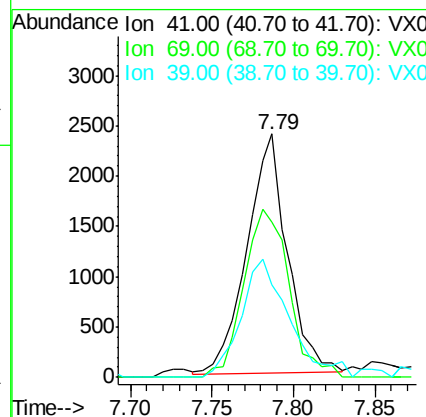
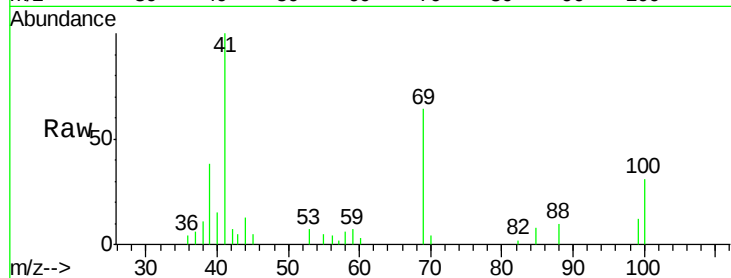
#48
Methvl methacrylate
Concen: 0.79 ug/l
RT: 7.79 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	79.0	65.2	97.8
39	58.8	44.5	66.7

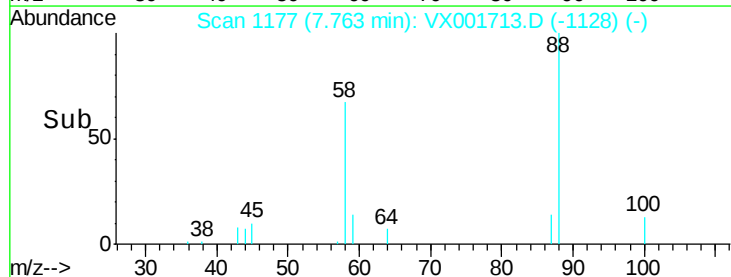
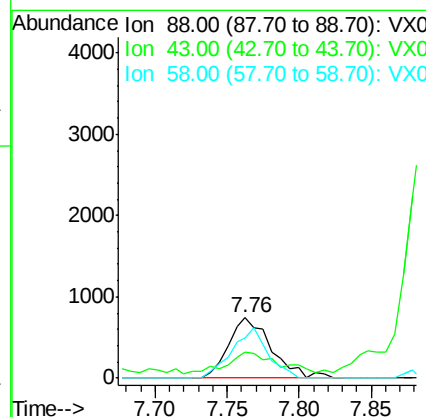
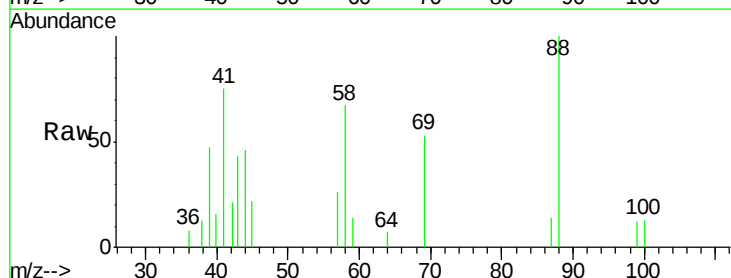
Manual Integrations
APPROVED

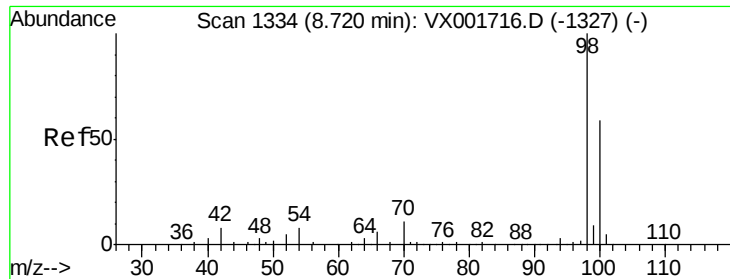
MMDadoda
5/16/2018 11:54:04 AM



#49
1,4-Dioxane
Concen: 14.16 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Tgt Ion	Ratio	Lower	Upper
88	100		
43	40.6	27.3	40.9
58	69.5	55.9	83.9





#50

Toluene-d8

Concen: 0.92 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 98 Resp: 13370

Ion Ratio Lower Upper

98 100

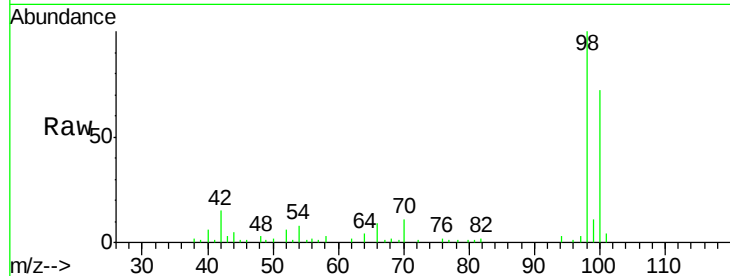
100 67.9 54.0 81.0

Manual Integrations

APPROVED

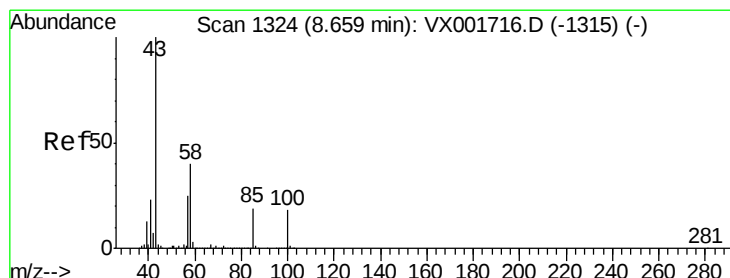
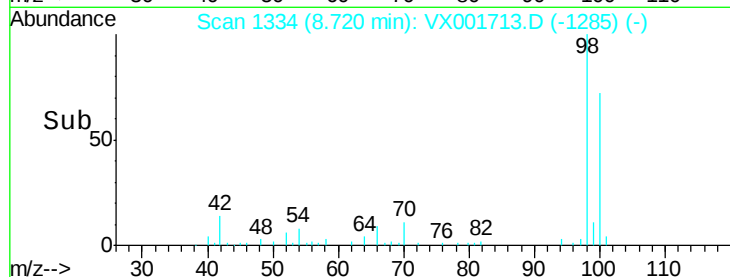
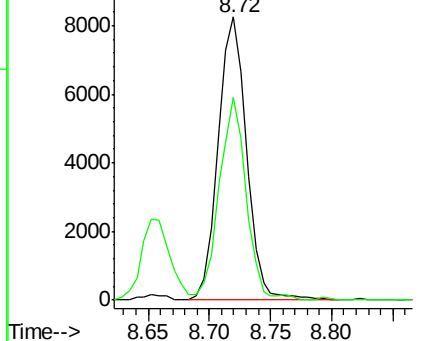
MMDadoda

5/16/2018 11:54:04 AM



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 3.61 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX001713.D

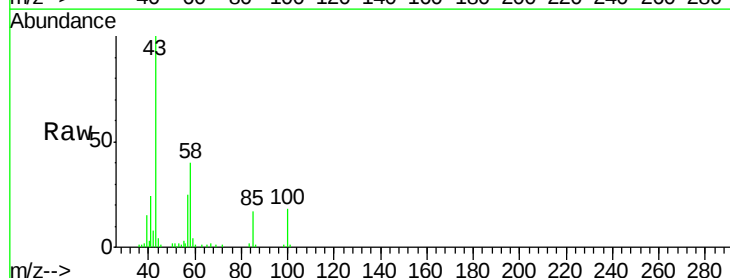
Acq: 14 May 2018 16:57

Tgt Ion: 43 Resp: 22606

Ion Ratio Lower Upper

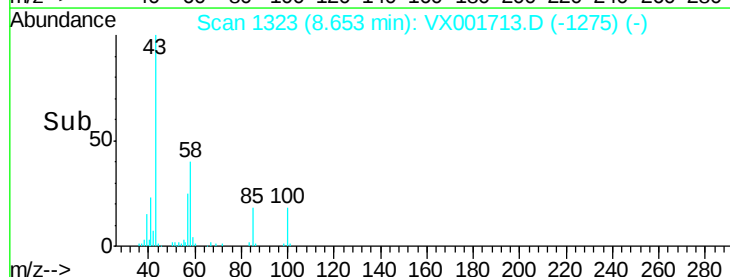
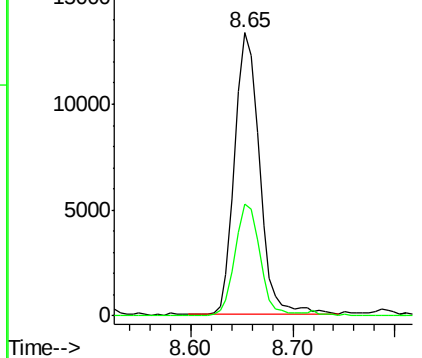
43 100

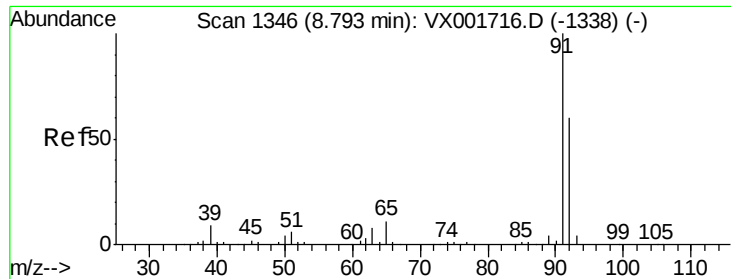
58 39.6 31.4 47.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#52

Toluene

Concen: 0.89 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 9624

Ion Ratio Lower Upper

92 100

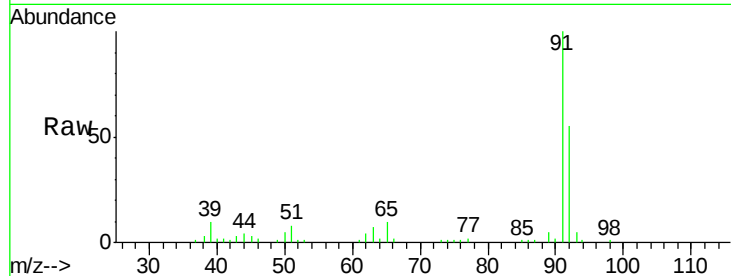
91 173.2 135.5 203.3

Manual Integrations

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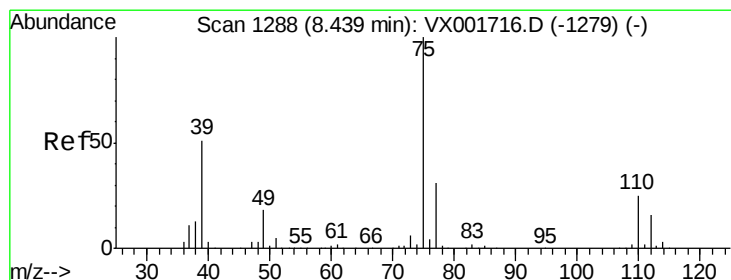
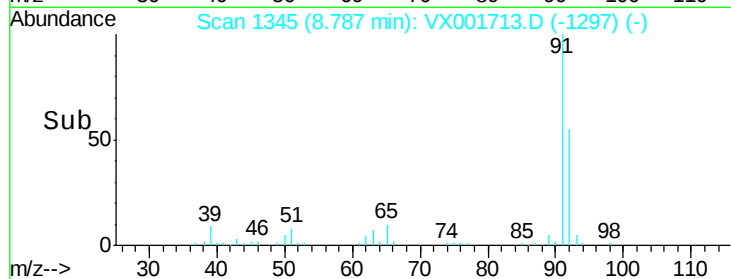
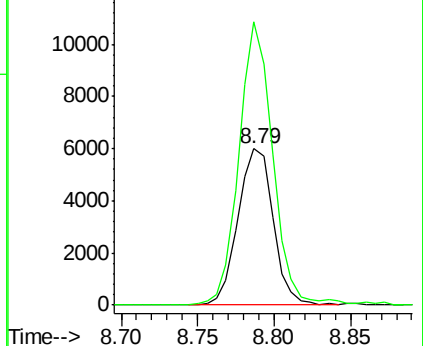
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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 0.82 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX001713.D

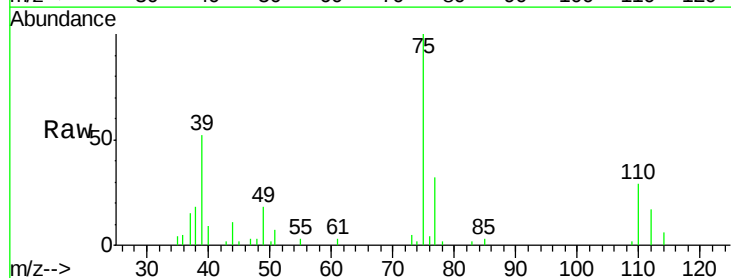
Acq: 14 May 2018 16:57

Tgt Ion: 75 Resp: 5026

Ion Ratio Lower Upper

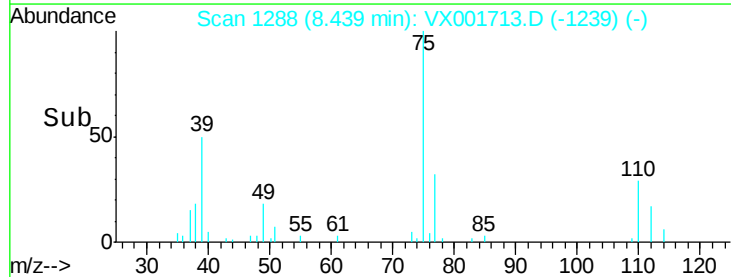
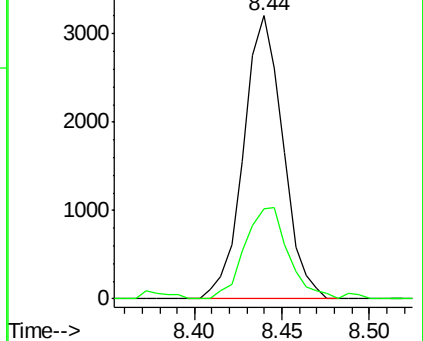
75 100

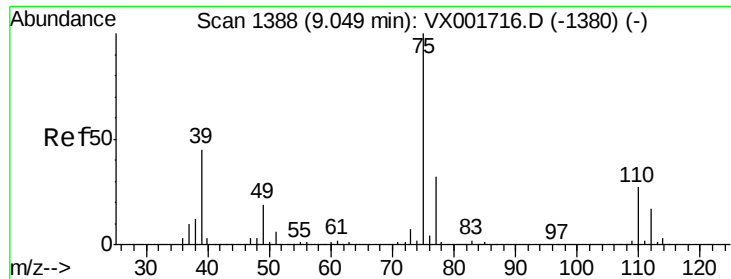
77 31.9 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0





#54

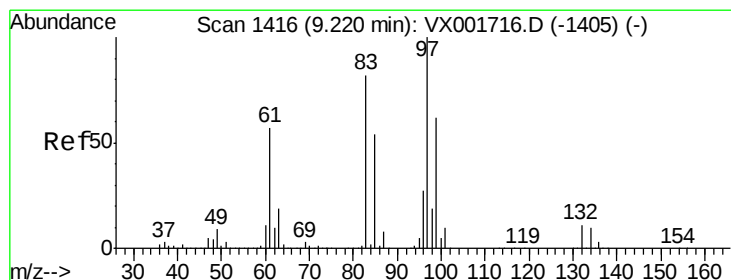
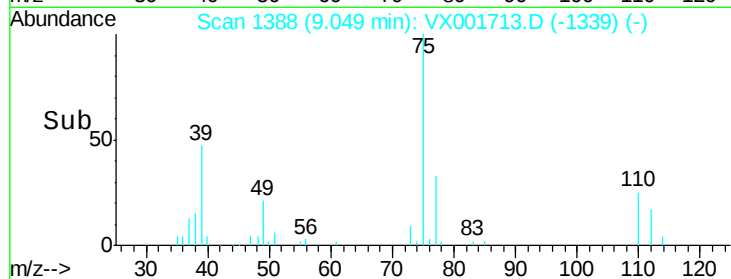
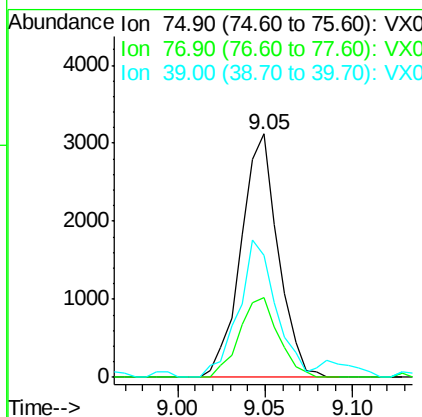
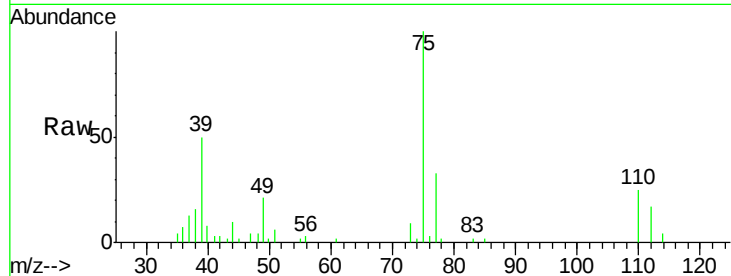
cis-1,3-Dichloropropene
Concen: 0.84 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.4	38.2
39	49.9	36.1	54.1

Manual Integrations
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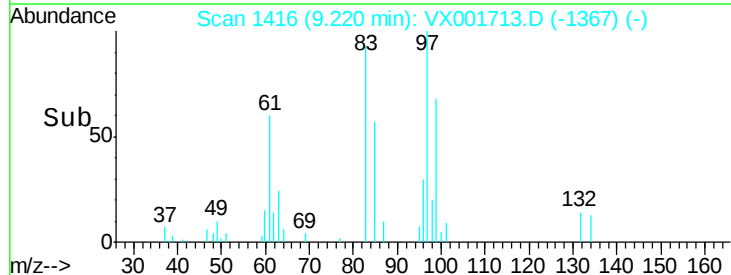
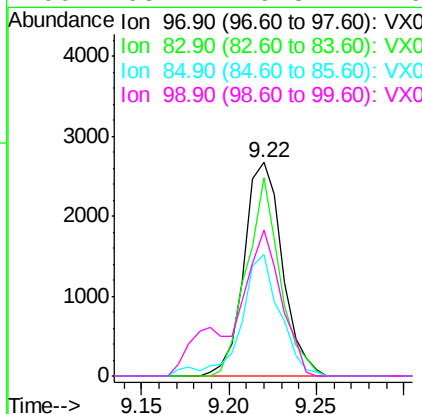
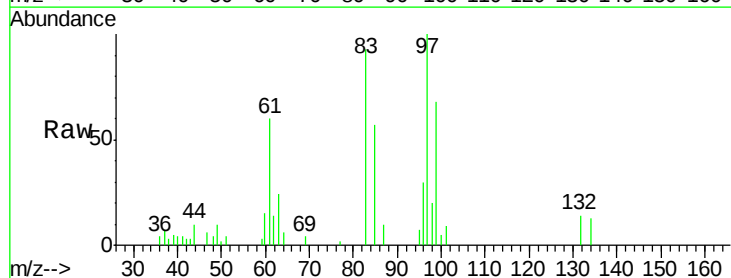
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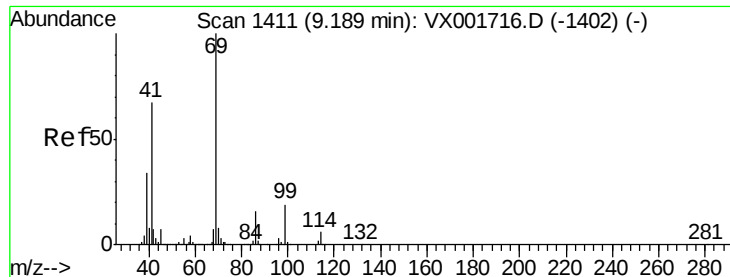


#55

1,1,2-Trichloroethane
Concen: 0.95 ug/l
RT: 9.22 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Tgt Ion	Ratio	Lower	Upper
97	100		
83	92.9	65.8	98.8
85	57.2	43.4	65.0
99	68.1	49.8	74.6





#56

Ethyl methacrylate

Concen: 0.72 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.01 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Instrument :

MSVOA_X

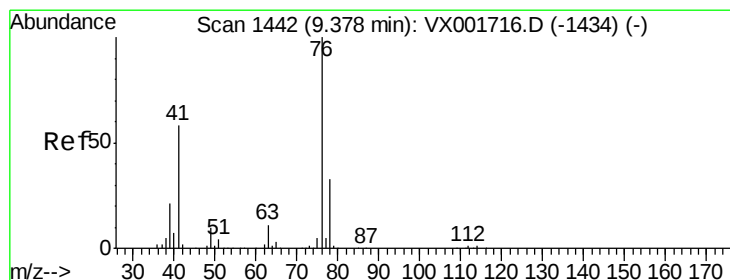
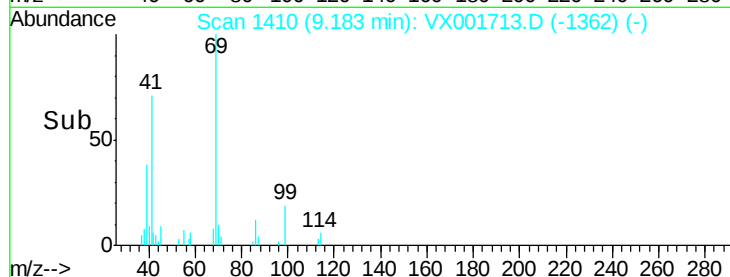
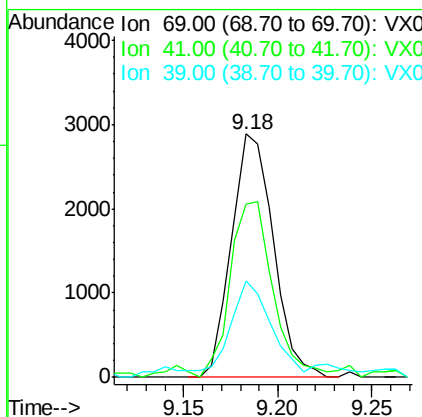
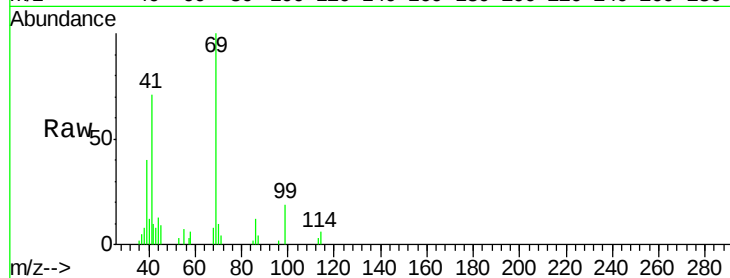
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	4464
Ion	Ratio	Lower	Upper
69	100		
41	75.1	53.5	80.3
39	34.7	27.2	40.8

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 0.94 ug/l

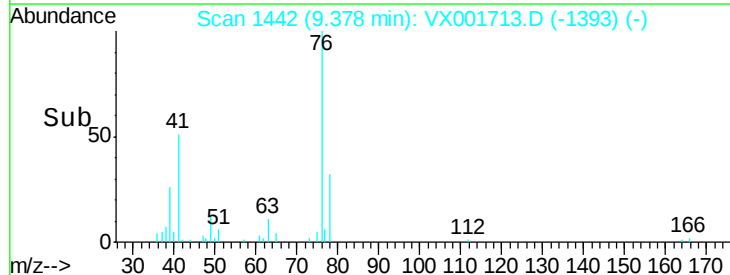
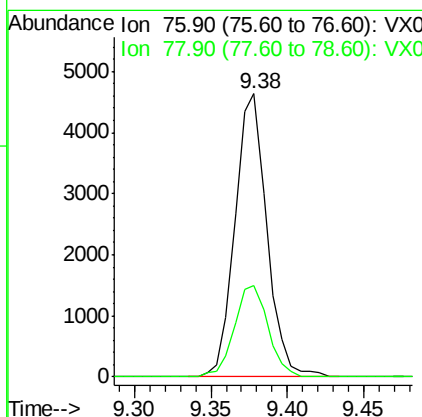
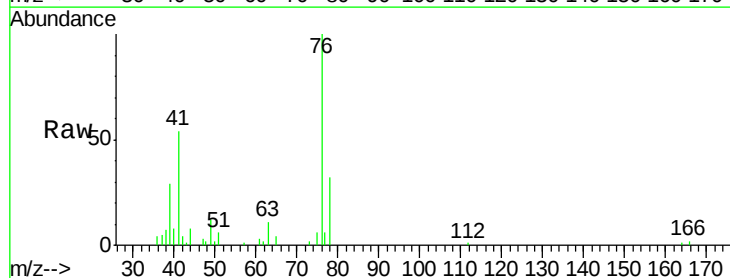
RT: 9.38 min Scan# 1442

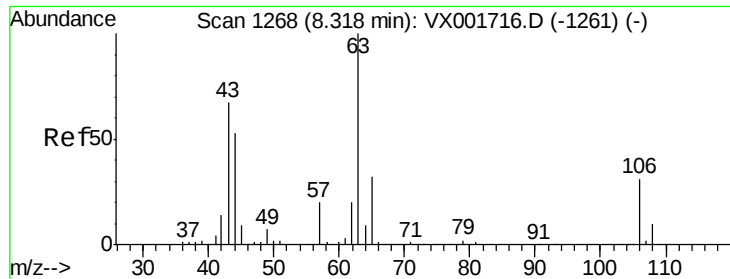
Delta R.T. -0.00 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Tgt Ion:	76	Resp:	6683
Ion	Ratio	Lower	Upper
76	100		
78	34.1	25.8	38.6





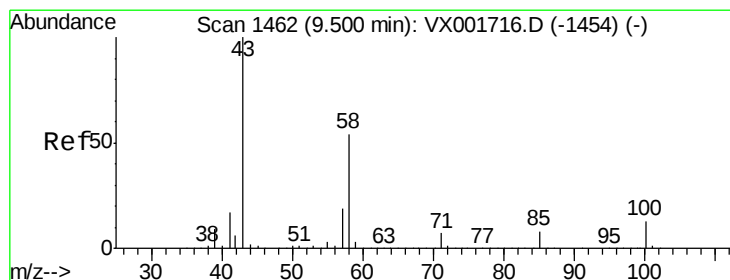
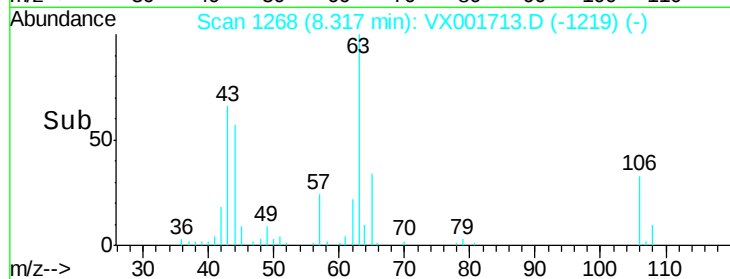
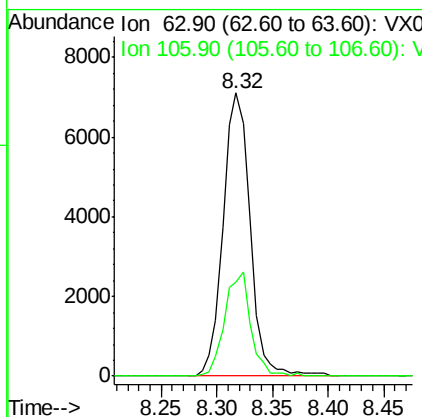
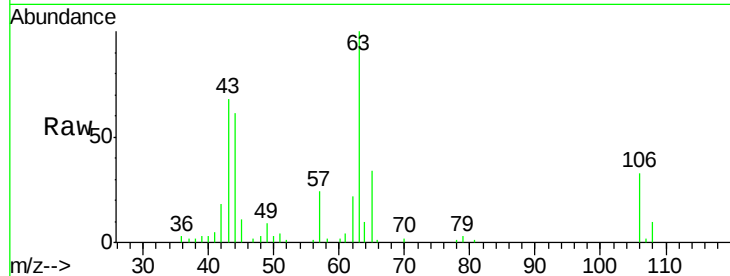
#58
2-Chloroethyl Vinyl ether
Concen: 3.91 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. -0.00 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 63 Resp: 11994
Ion Ratio Lower Upper
63 100
106 35.3 25.1 37.7

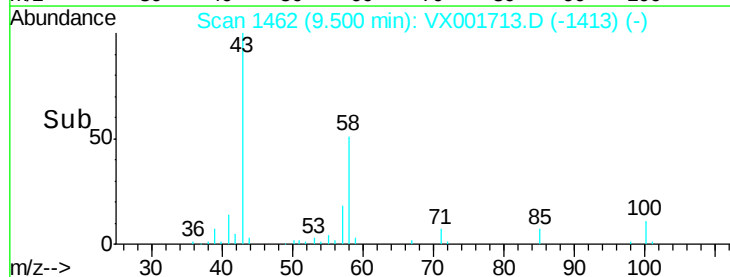
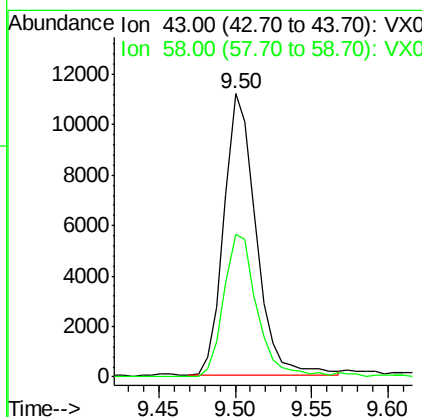
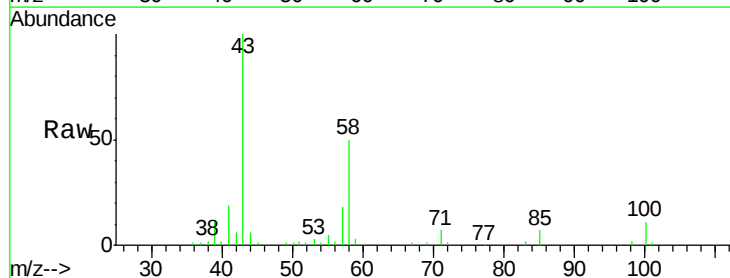
Manual Integrations
APPROVED

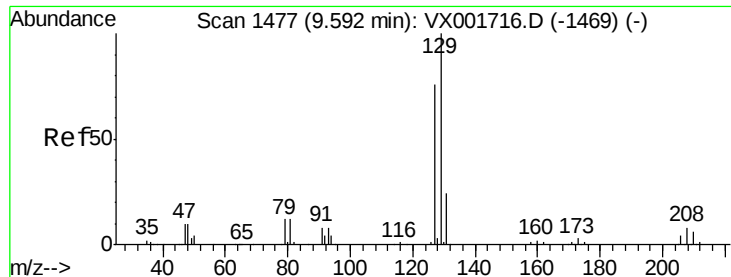
MMDadoda
5/16/2018 11:54:04 AM



#59
2-Hexanone
Concen: 3.42 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Tgt Ion: 43 Resp: 16191
Ion Ratio Lower Upper
43 100
58 52.6 27.7 83.1





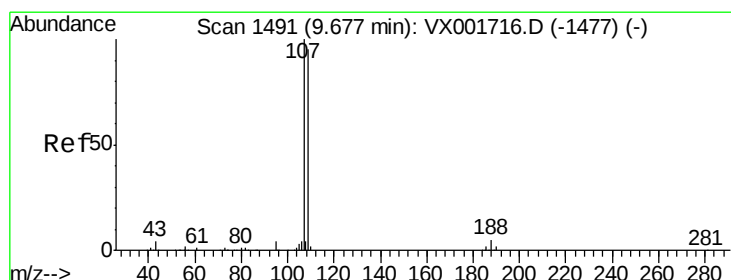
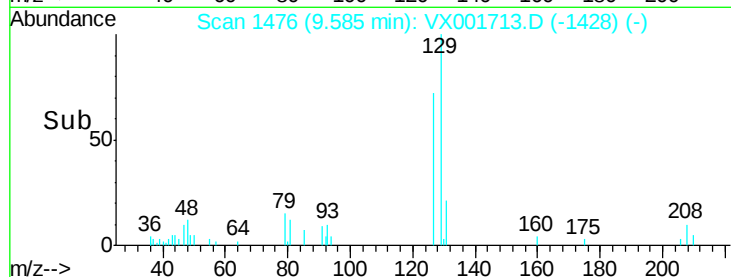
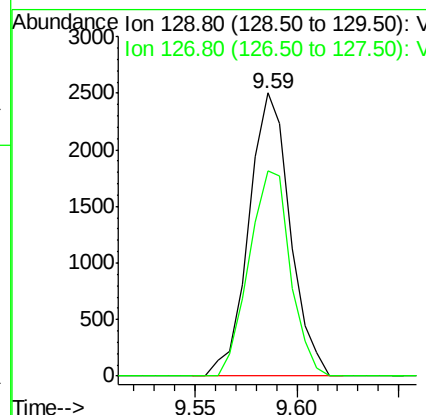
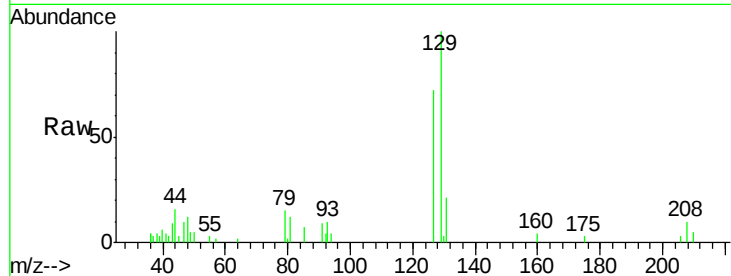
#60
Dibromochloromethane
Concen: 0.80 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
129	100		
127	72.5	38.7	116.1

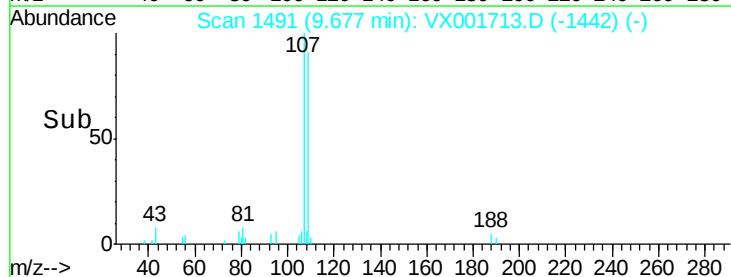
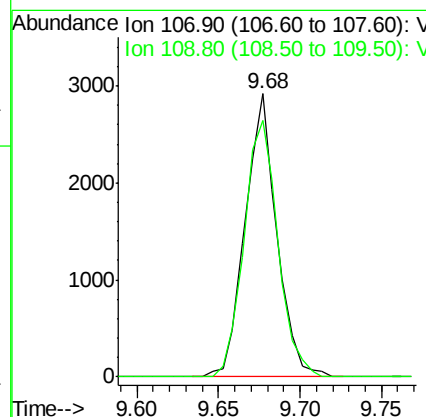
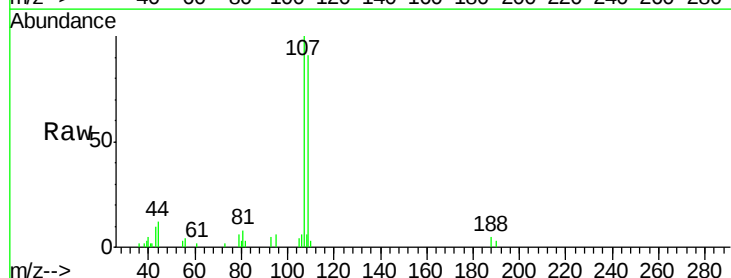
Manual Integrations
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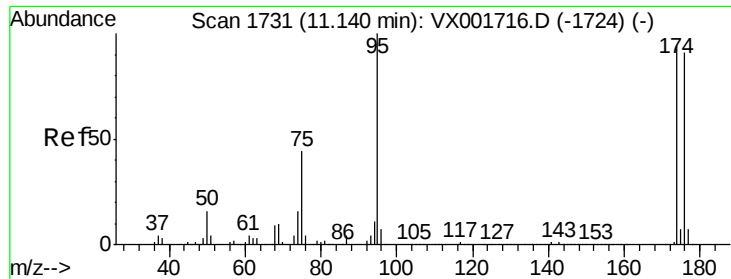
MMDadoda
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#61
1,2-Dibromoethane
Concen: 0.87 ug/l
RT: 9.68 min Scan# 1491
Delta R.T. -0.00 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.7	76.2	114.2





#62

4-Bromofluorobenzene

Concen: 0.94 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Instrument :

MSVOA_X

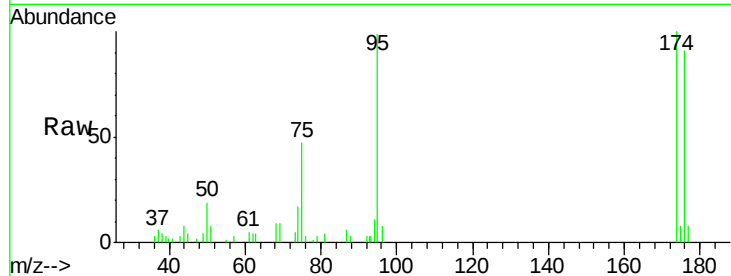
ClientSampleId :

VSTDIC001

Tot Ion:	95	Resp:	5133
Ion	Ratio	Lower	Upper
95	100		
174	102.1	0.0	201.8
176	99.1	0.0	196.8

Manual Integrations
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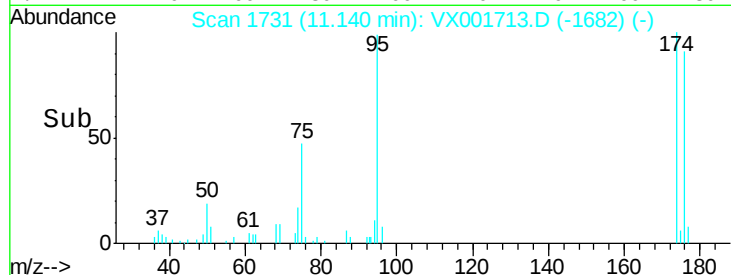


Abundance Ion 94.90 (94.60 to 95.60): VX001713.D (-1682) (-)

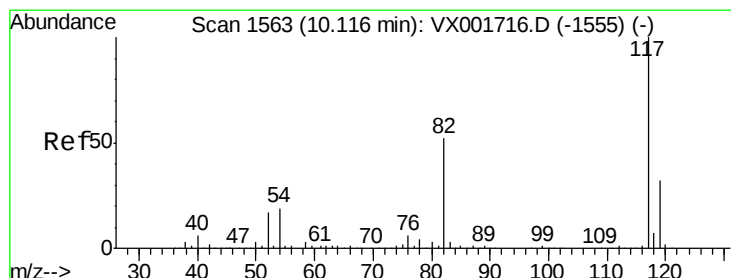
Ion 173.80 (173.50 to 174.50): VX001713.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX001713.D (-1682) (-)

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

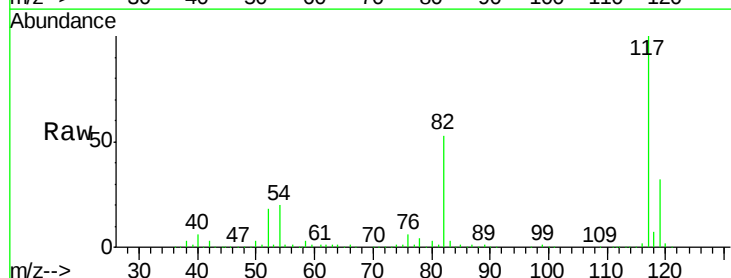
RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Tgt Ion:	117	Resp:	395565
Ion	Ratio	Lower	Upper
117	100		
82	53.4	41.4	62.2
119	32.0	25.6	38.4

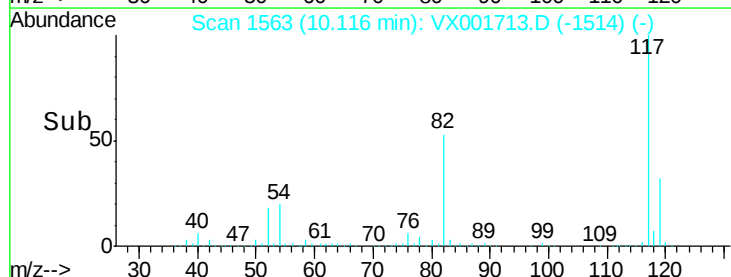


Abundance Ion 116.90 (116.60 to 117.60): VX001713.D (-1514) (-)

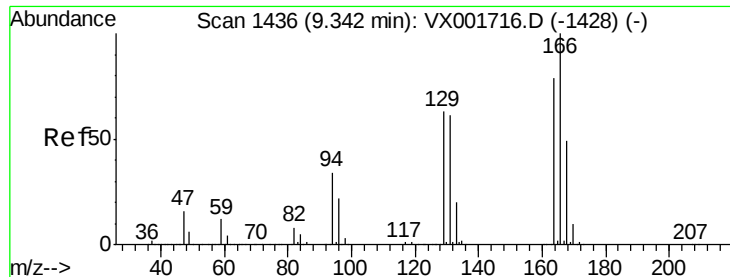
Ion 82.00 (81.70 to 82.70): VX001713.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX001713.D (-1514) (-)

Time-->



Time-->



#64

Tetrachloroethene

Concen: 1.09 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Instrument :

MSVOA_X

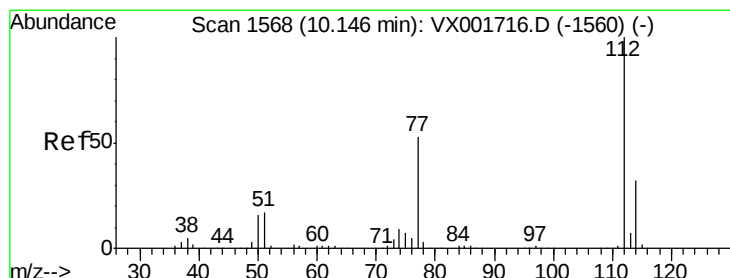
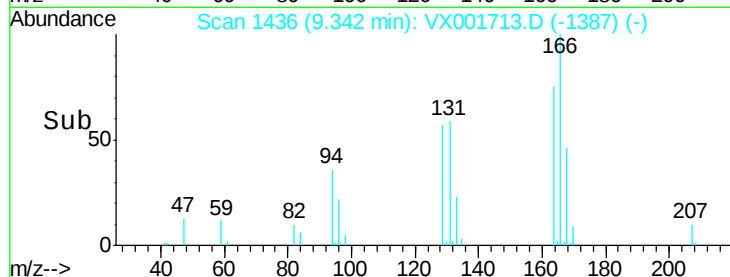
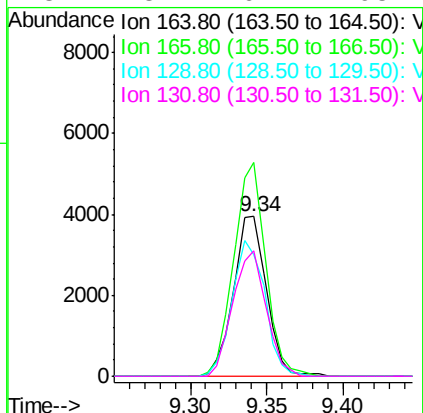
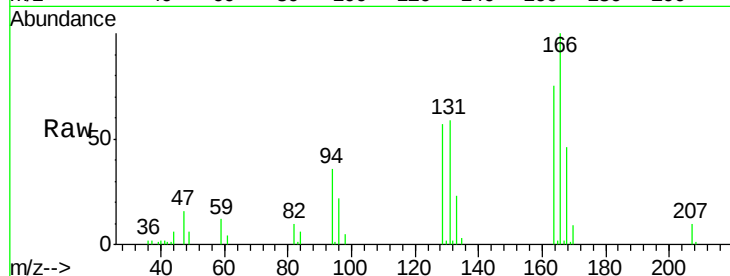
ClientSampleId :

VSTDIC001

Tot Ion:	164	Resp:	5920
Ion	Ratio	Lower	Upper
164	100		
166	133.6	101.8	152.8
129	76.3	63.8	95.6
131	78.4	62.2	93.2

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#65

Chlorobenzene

Concen: 1.04 ug/l

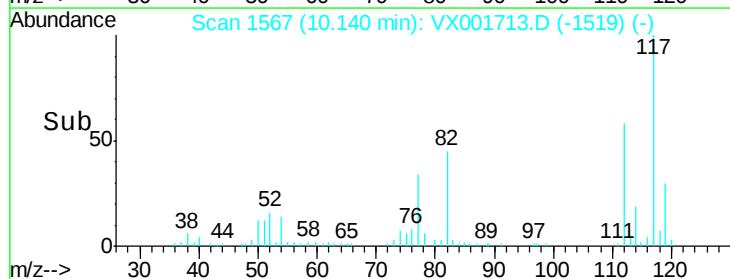
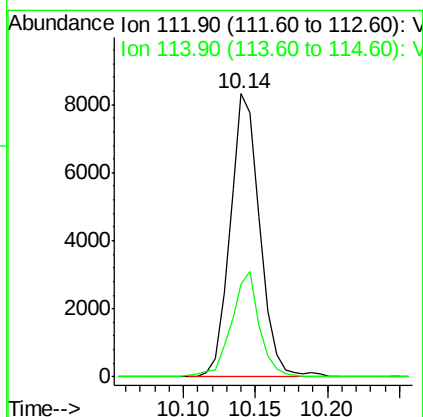
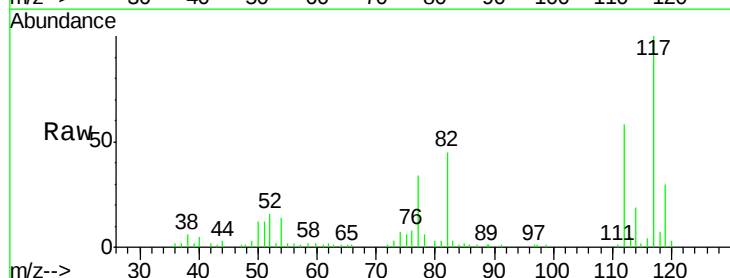
RT: 10.14 min Scan# 1567

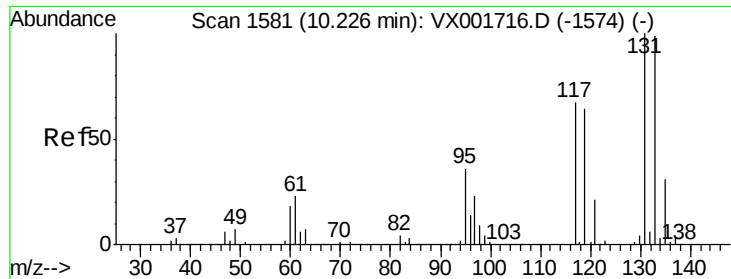
Delta R.T. -0.01 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Tgt Ion:	112	Resp:	11939
Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.6	38.4





#66

1,1,1,2-Tetrachloroethane

Concen: 0.91 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Instrument :

MSVOA_X

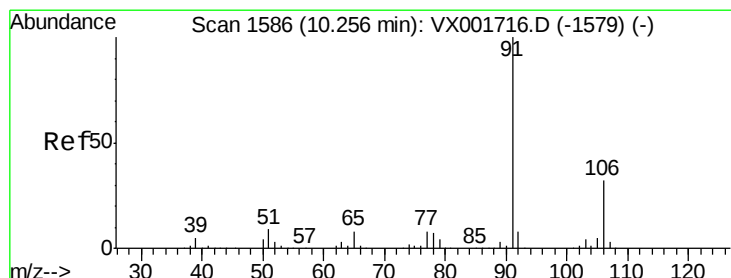
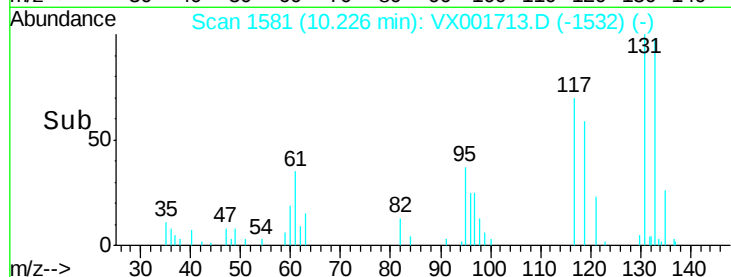
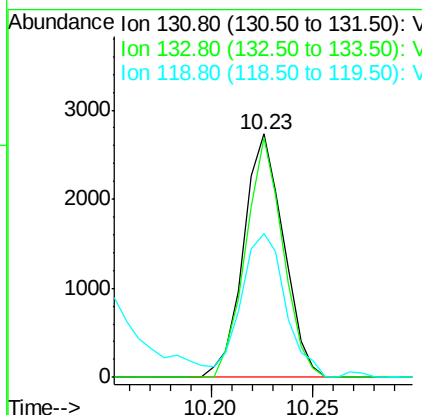
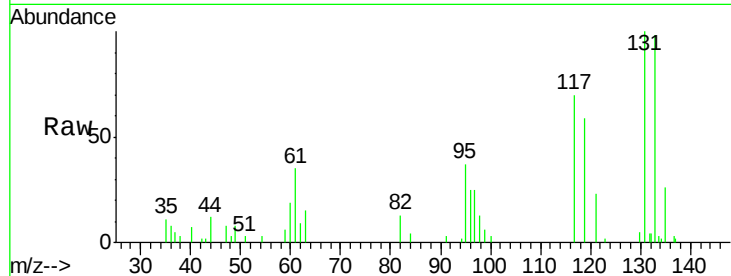
ClientSampleId :

VSTDIC001

Tot Ion:131 Resp: 3734
 Ion Ratio Lower Upper
 131 100
 133 91.4 48.5 145.6
 119 0.0 31.9 95.5#

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#67

Ethyl Benzene

Concen: 0.94 ug/l

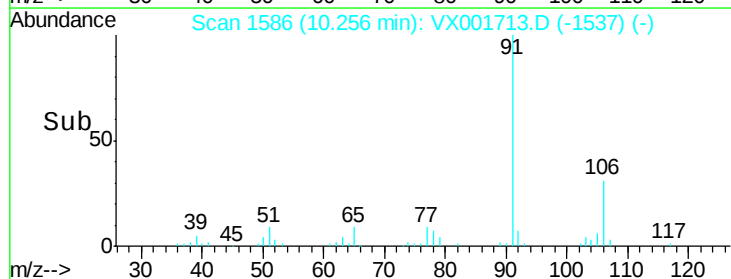
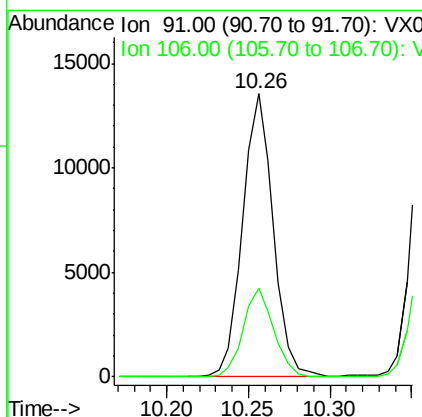
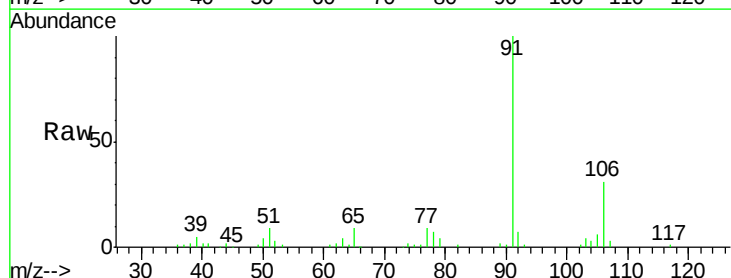
RT: 10.26 min Scan# 1586

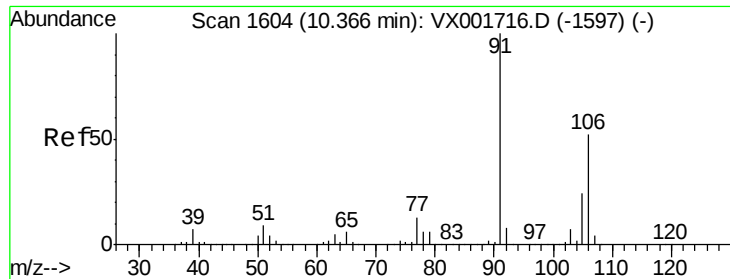
Delta R.T. -0.00 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Tgt Ion: 91 Resp: 17722
 Ion Ratio Lower Upper
 91 100
 106 31.3 25.7 38.5





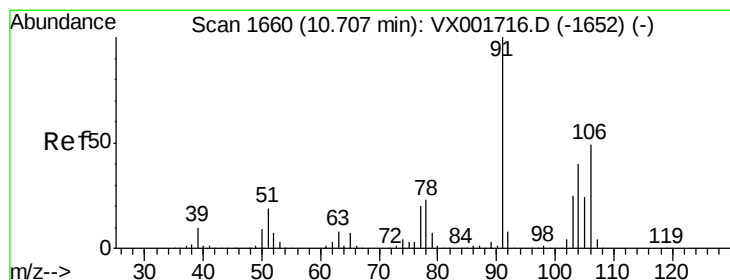
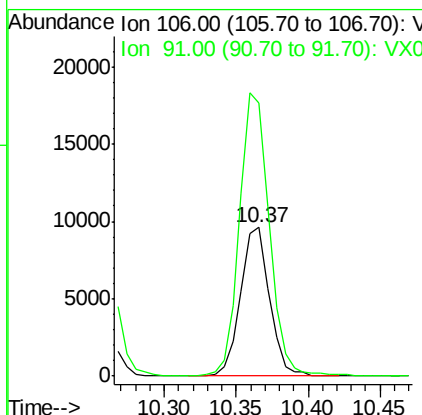
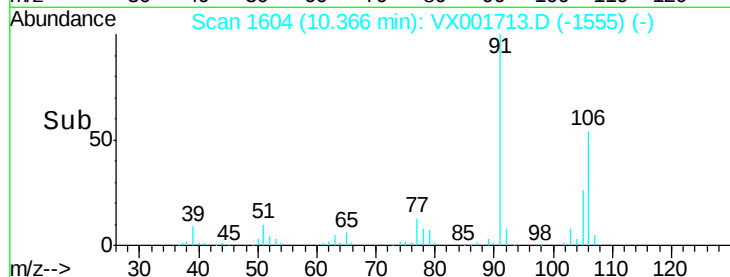
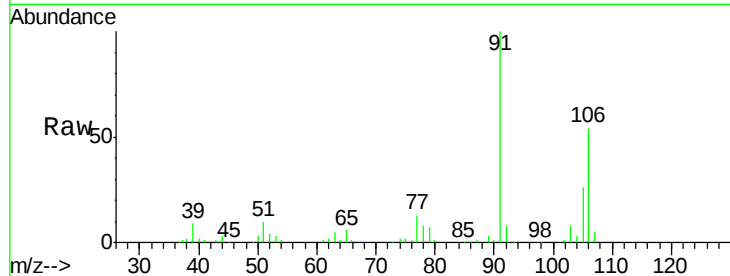
#68
m/p-Xylenes
Concen: 1.81 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 13443
Ion Ratio Lower Upper
106 100
91 196.1 155.4 233.2

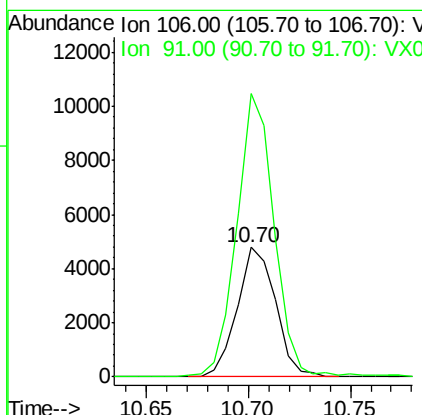
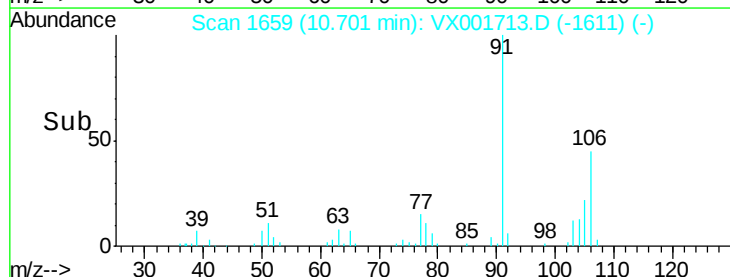
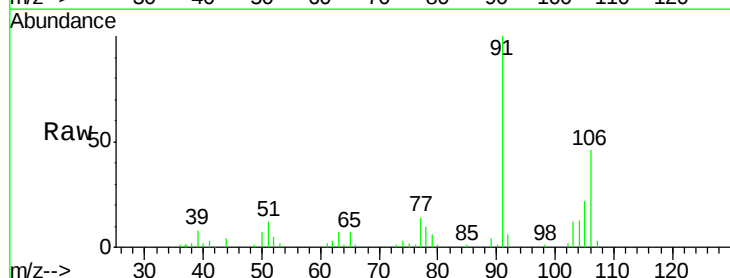
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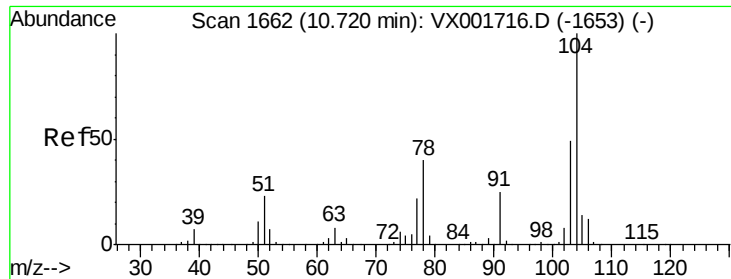
MMDadoda
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#69
o-Xylene
Concen: 0.86 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Tgt Ion:106 Resp: 6214
Ion Ratio Lower Upper
106 100
91 215.0 103.4 310.2





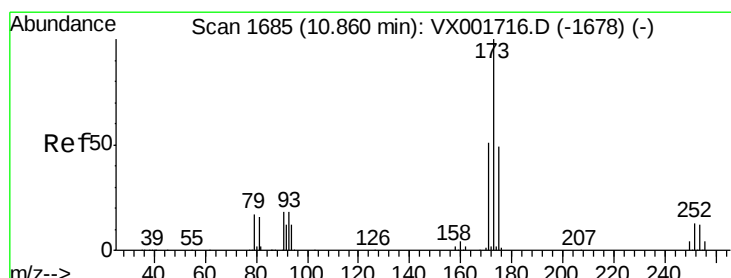
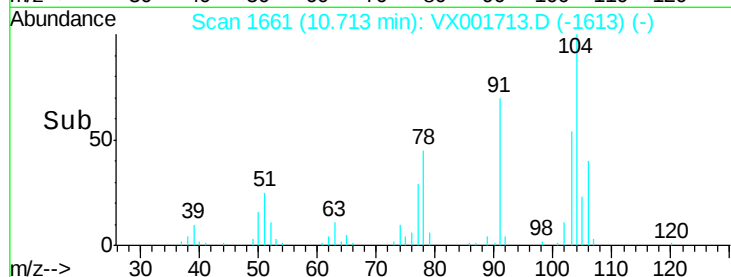
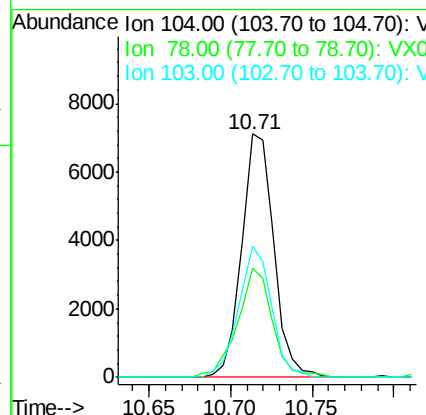
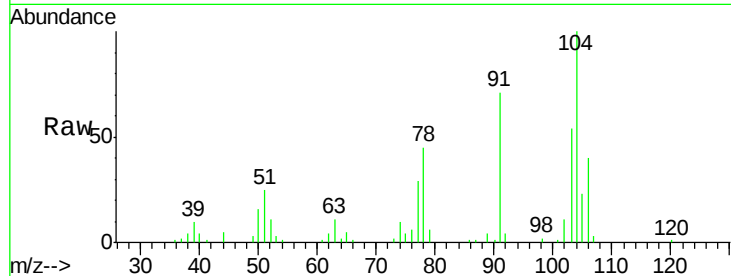
#70
Stvrene
Concen: 0.84 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.7	37.3	55.9
103	55.2	43.7	65.5

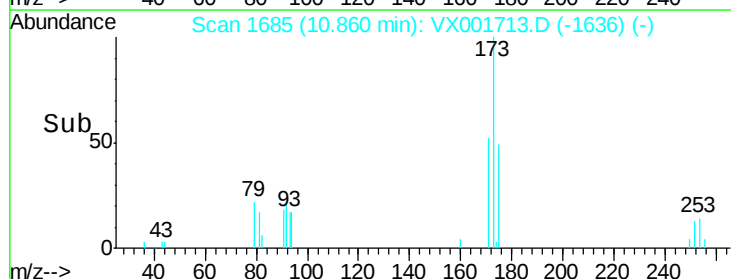
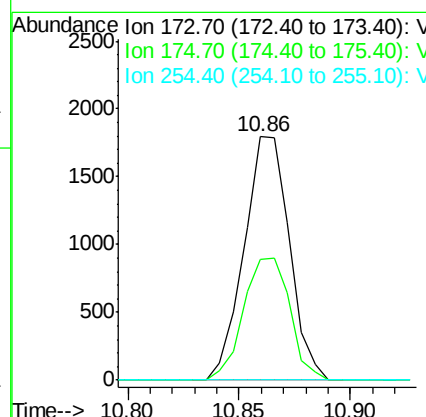
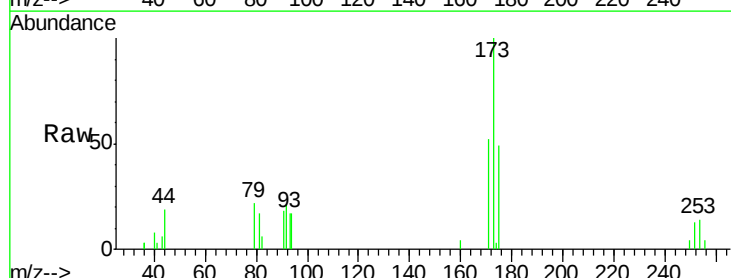
Manual Integrations
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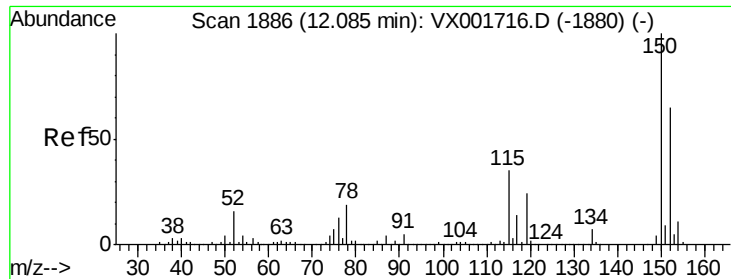
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#71
Bromoform
Concen: 0.76 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Tgt Ion	Ratio	Lower	Upper
173	100		
175	51.4	24.3	72.8
254	0.0	0.2	0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:152 Resp: 258933

Ion Ratio Lower Upper

152 100

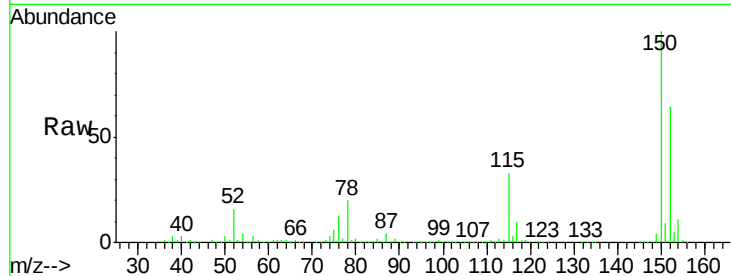
115 52.6 37.4 112.2

150 156.3 0.0 344.8

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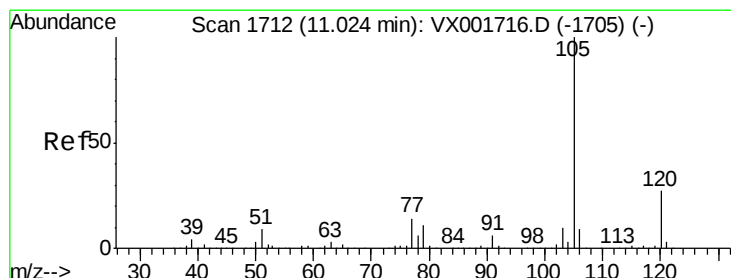
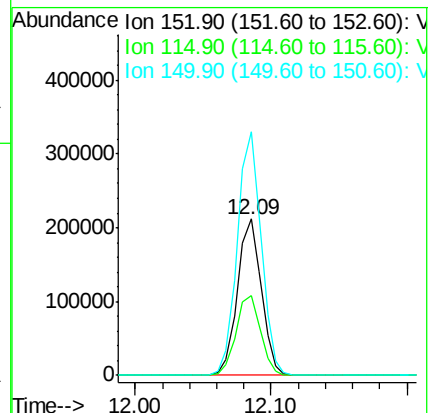
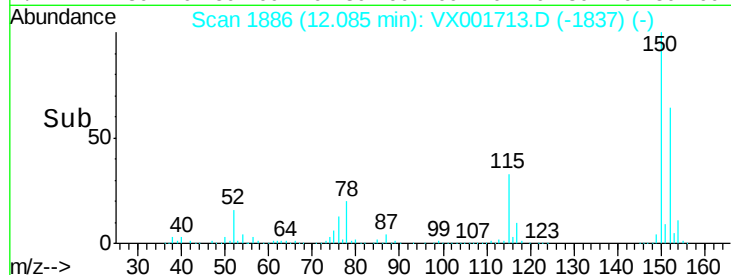
5/16/2018 11:54:04 AM



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.94 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001713.D

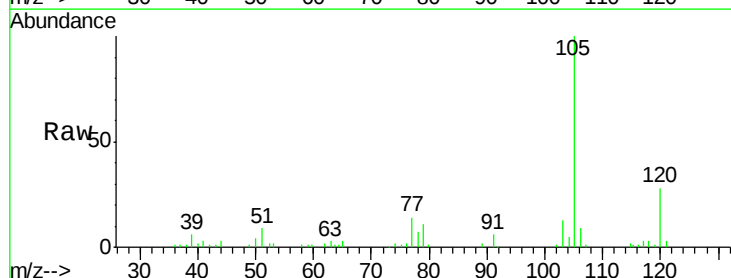
Acq: 14 May 2018 16:57

Tgt Ion:105 Resp: 16884

Ion Ratio Lower Upper

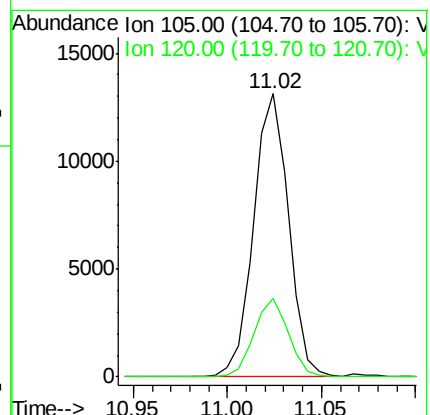
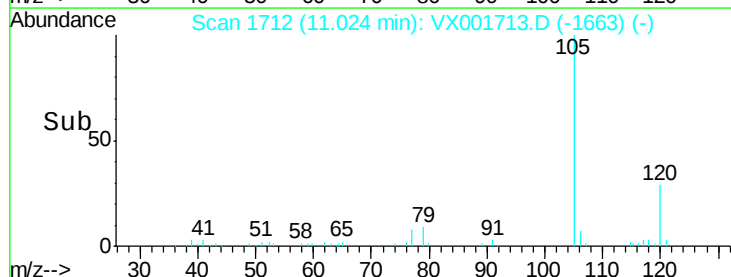
105 100

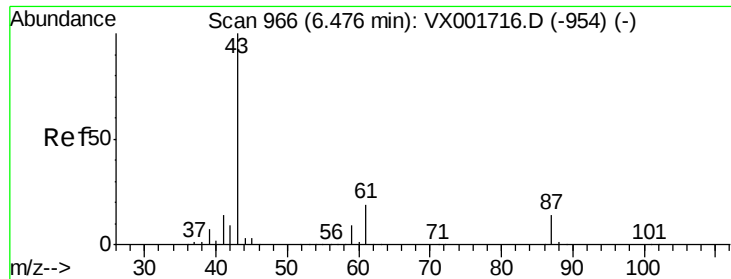
120 27.3 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.97 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Instrument :

MSVOA_X

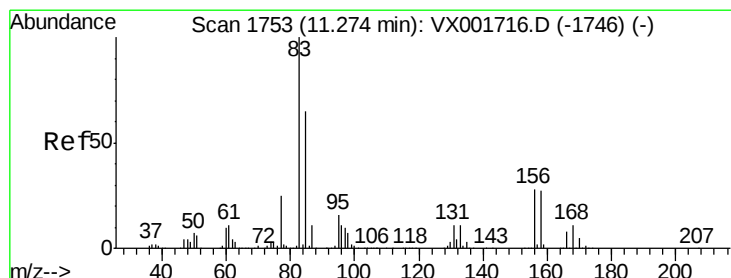
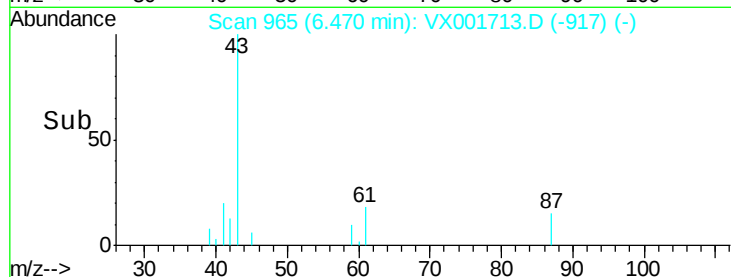
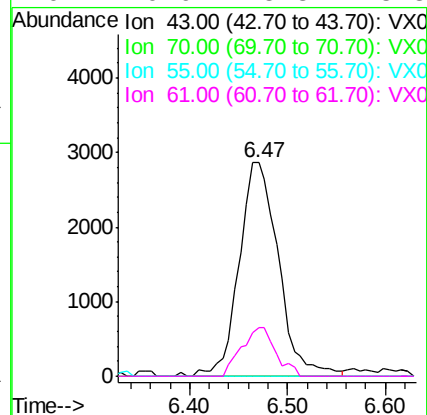
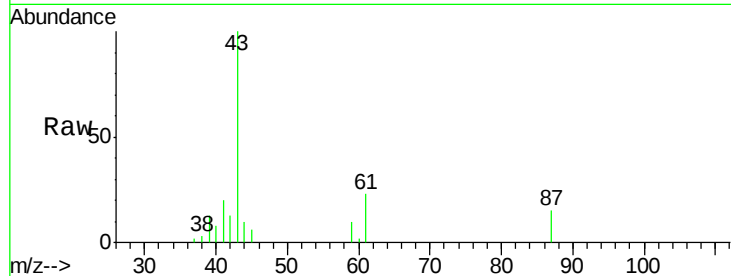
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	7976
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.1	0.1#
61	19.9	15.8	23.8

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.01 ug/l

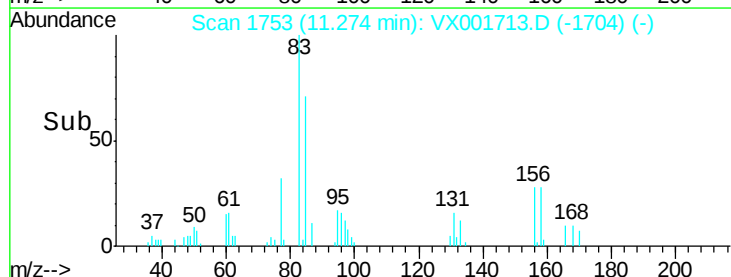
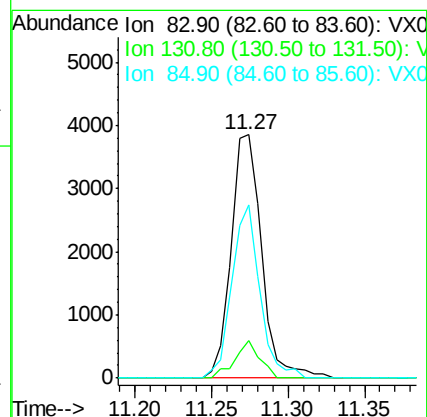
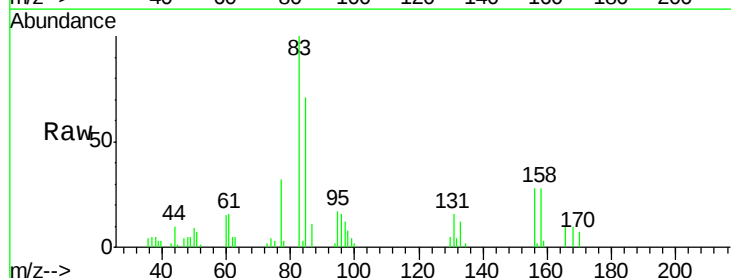
RT: 11.27 min Scan# 1753

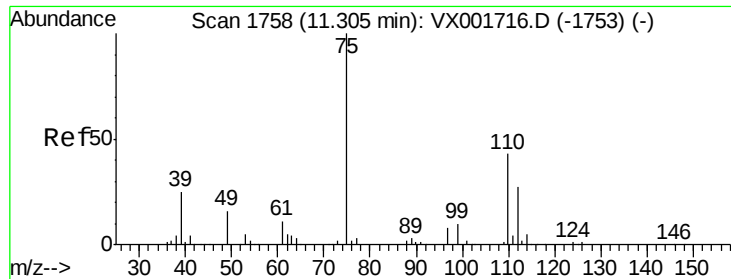
Delta R.T. -0.00 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Tgt Ion:	83	Resp:	5313
Ion	Ratio	Lower	Upper
83	100		
131	12.6	5.7	17.0
85	65.6	32.7	98.1





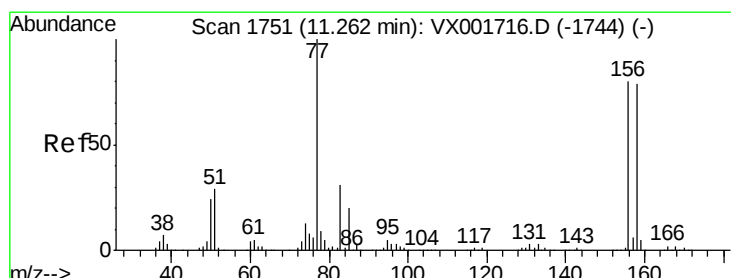
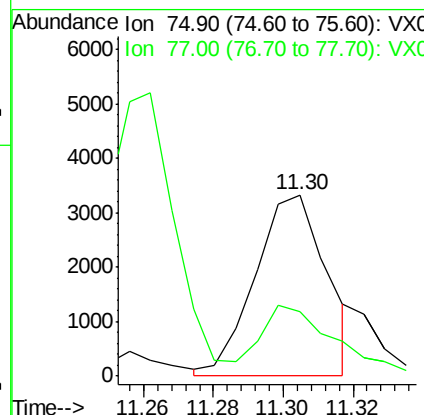
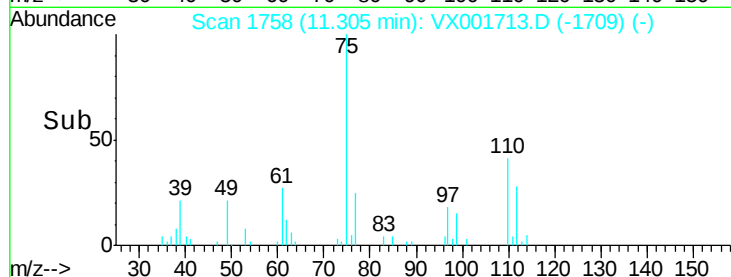
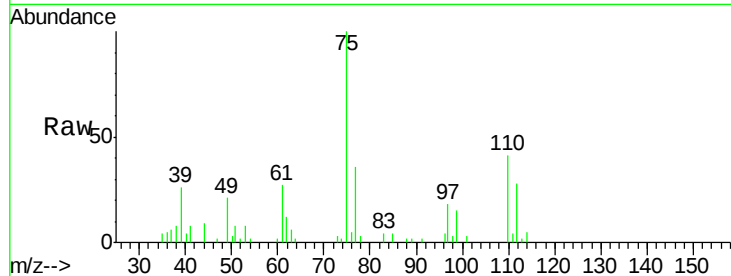
#76
1,2,3-Trichloropropane
Concen: 0.91 ug/l m
RT: 11.30 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 75 Resp: 4767
Ion Ratio Lower Upper
75 100
77 40.3 18.9 56.7

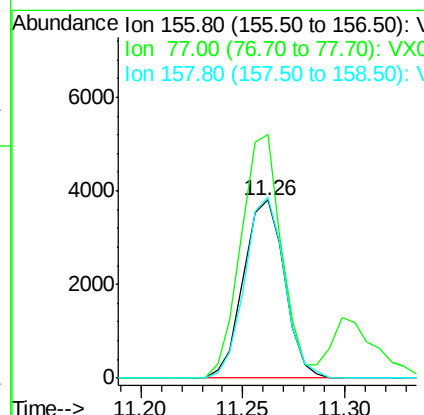
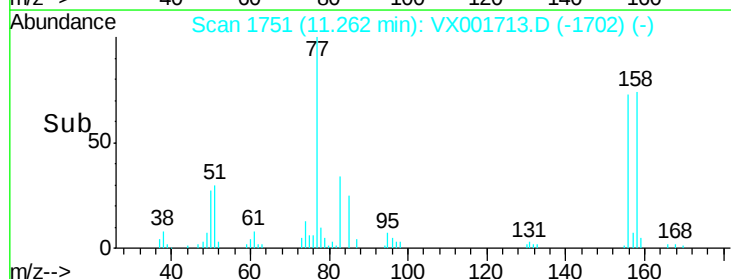
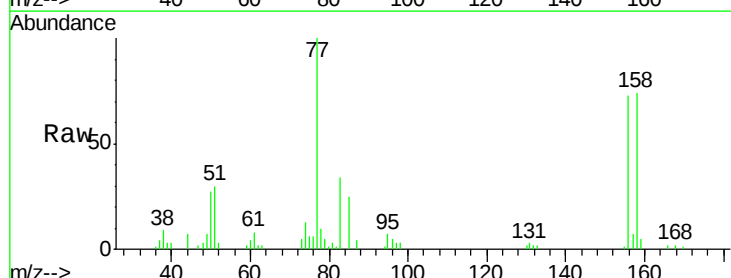
Manual Integrations
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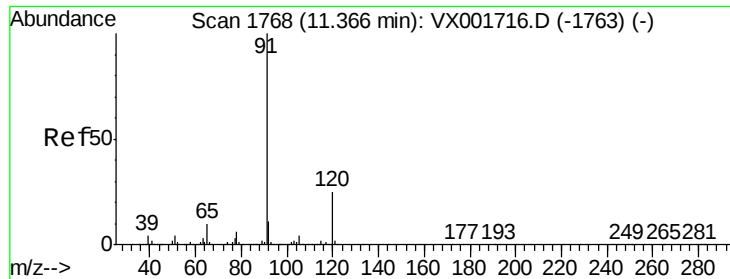
MMDadoda
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#77
Bromobenzene
Concen: 1.02 ug/l
RT: 11.26 min Scan# 1751
Delta R.T. -0.00 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Tgt Ion: 156 Resp: 5305
Ion Ratio Lower Upper
156 100
77 136.6 65.3 196.0
158 98.7 49.1 147.3





#78

n-propylbenzene

Concen: 1.01 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 19746

Ion Ratio Lower Upper

91 100

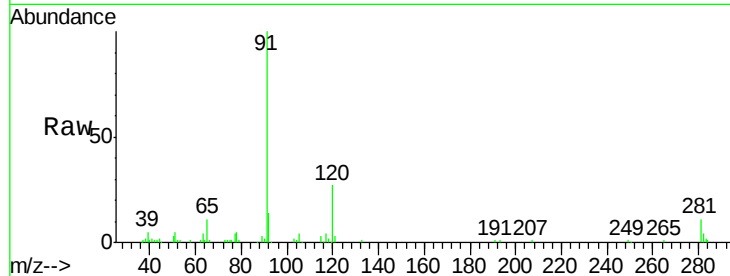
120 23.7 12.5 37.5

Manual Integrations

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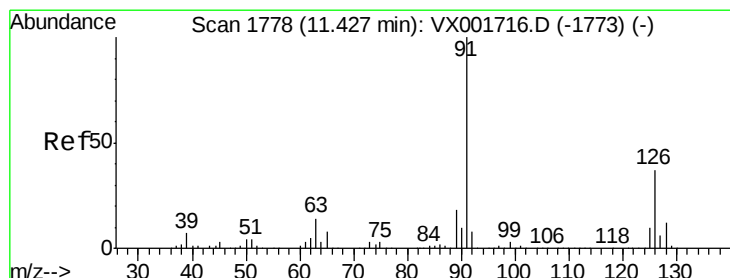
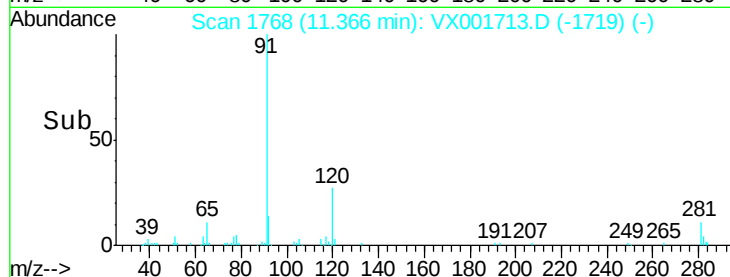
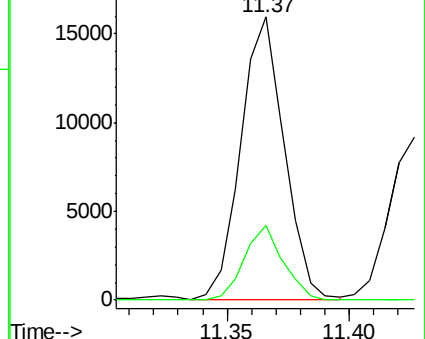
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 1.00 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001713.D

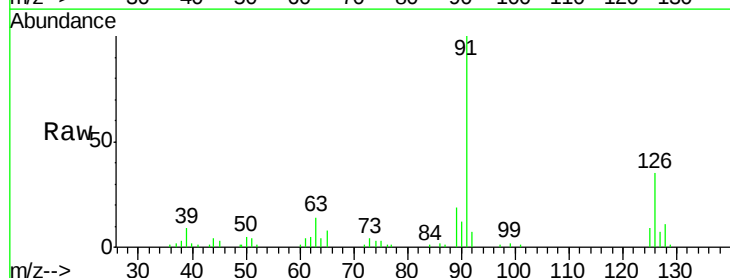
Acq: 14 May 2018 16:57

Tgt Ion: 91 Resp: 11935

Ion Ratio Lower Upper

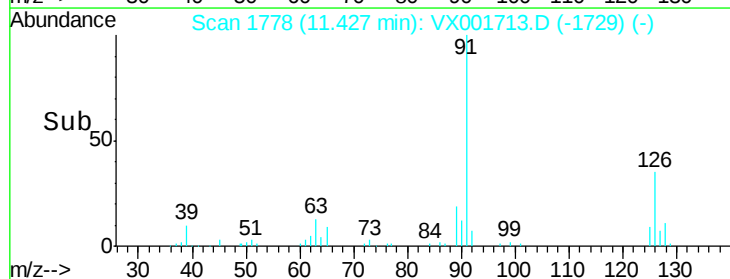
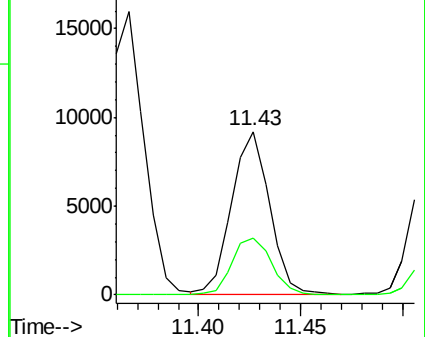
91 100

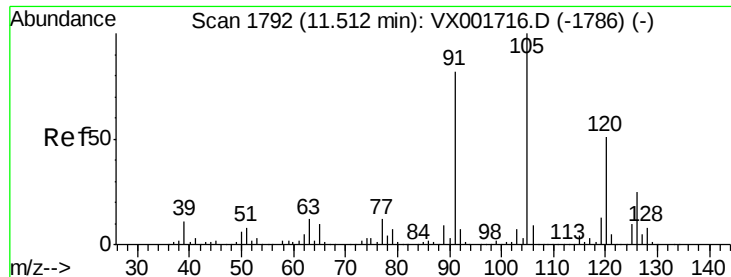
126 36.2 18.4 55.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





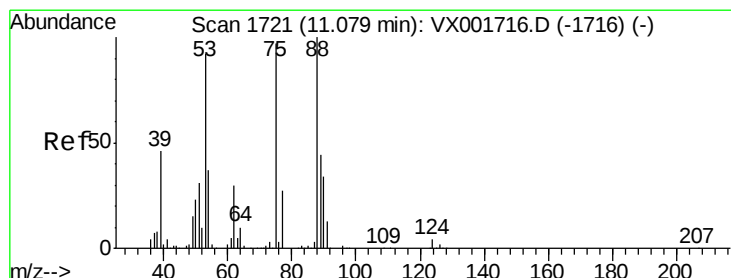
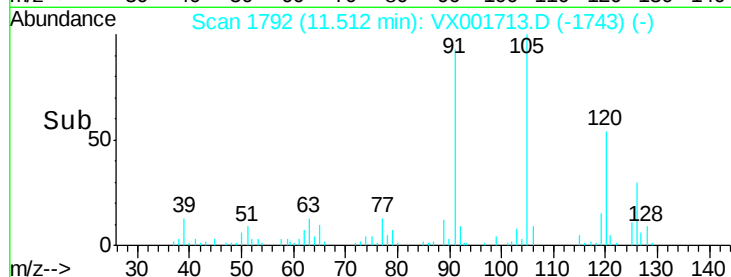
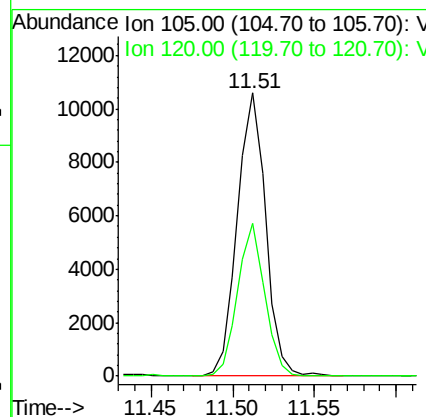
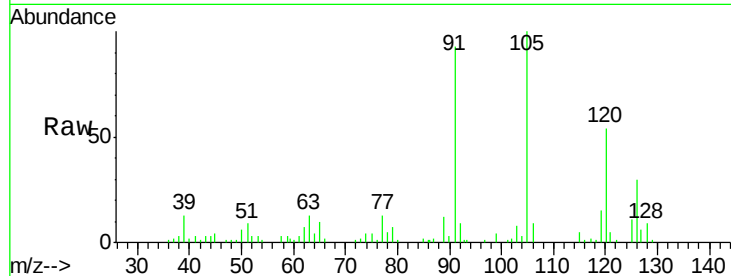
#80
1,3,5-Trimethylbenzene
Concen: 0.86 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion:105 Resp: 12844
Ion Ratio Lower Upper
105 100
120 51.3 25.7 77.0

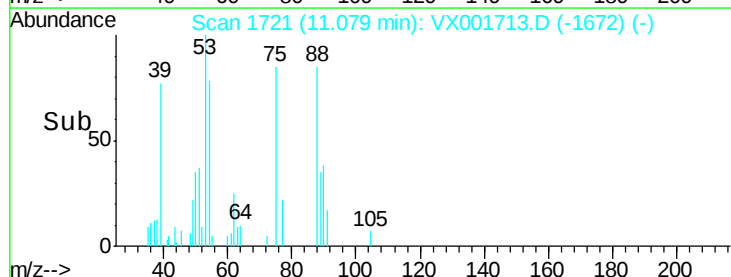
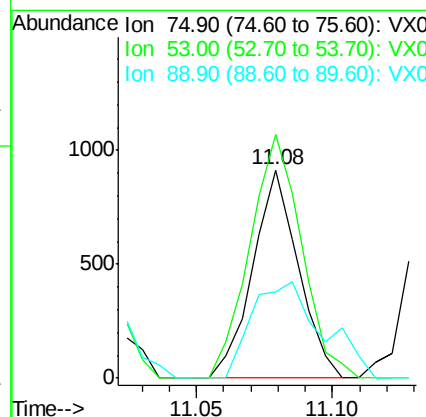
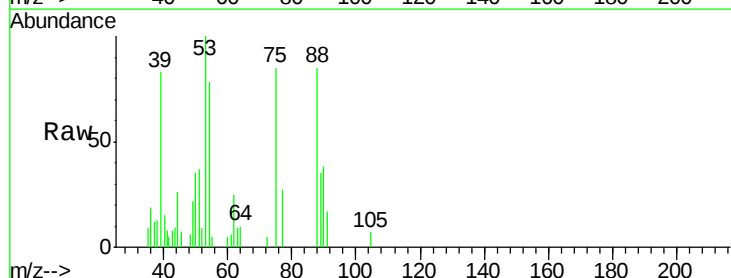
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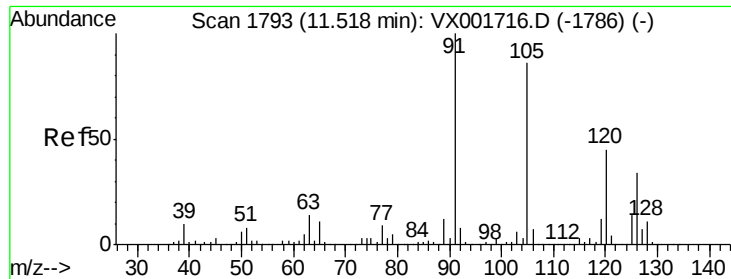
MMDadoda
5/16/2018 11:54:04 AM



#81
trans-1,4-Dichloro-2-butene
Concen: 0.77 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Tgt Ion: 75 Resp: 1063
Ion Ratio Lower Upper
75 100
53 132.5 79.4 119.2#
89 70.9 38.8 58.2#





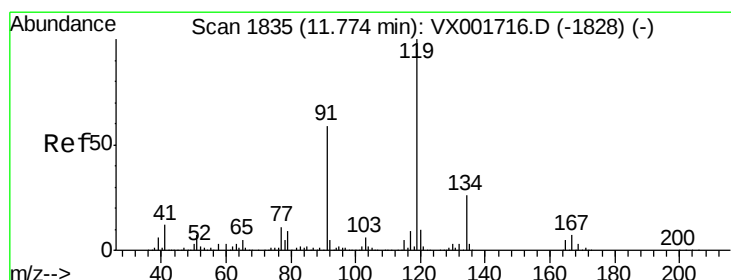
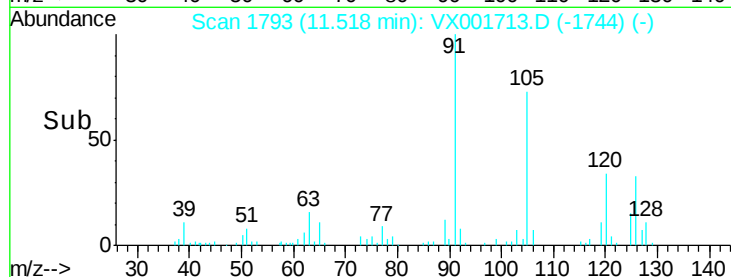
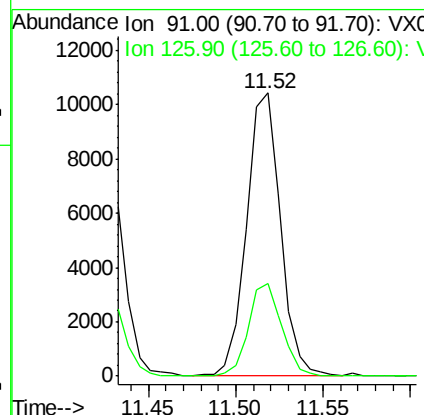
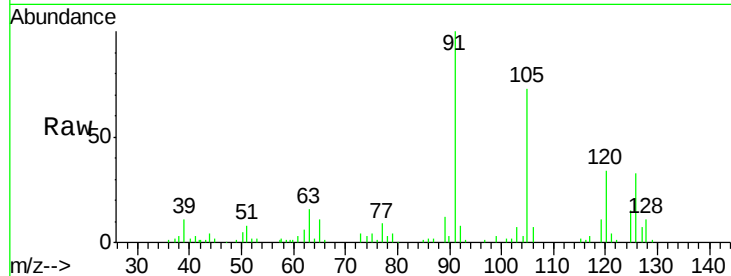
#82
4-Chlorotoluene
Concen: 1.02 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 14068
Ion Ratio Lower Upper
91 100
126 31.7 16.4 49.1

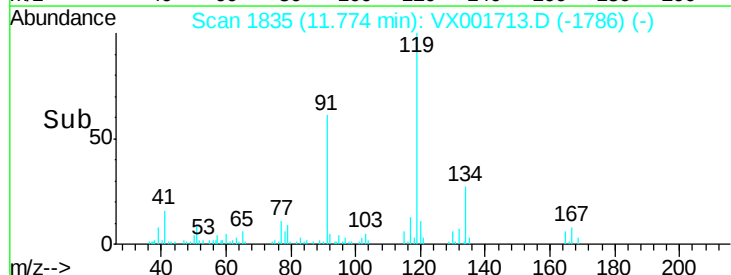
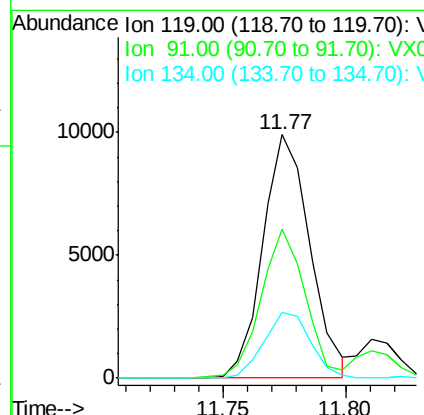
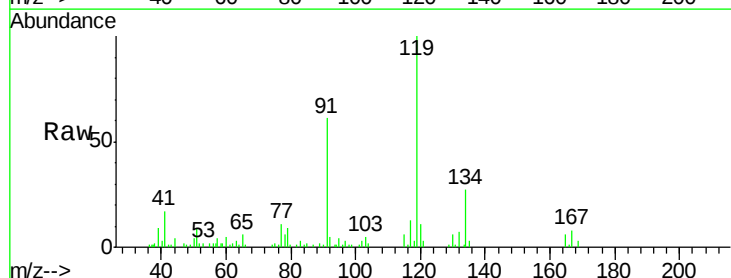
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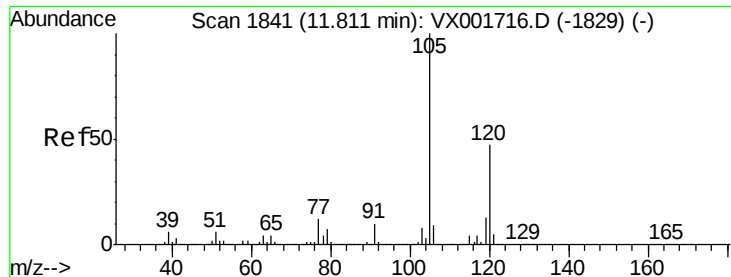
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#83
tert-Butylbenzene
Concen: 0.90 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Tgt Ion: 119 Resp: 13250
Ion Ratio Lower Upper
119 100
91 57.5 27.7 83.0
134 26.6 12.7 38.1





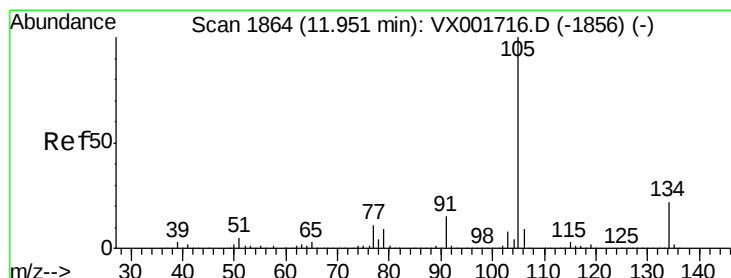
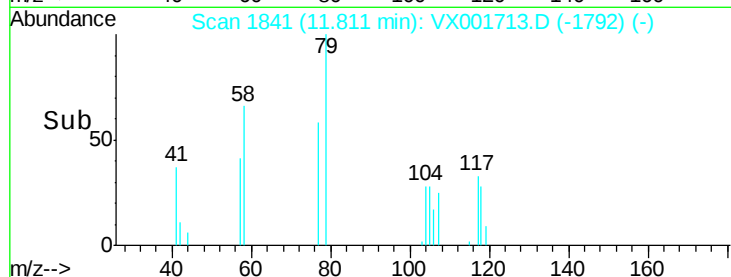
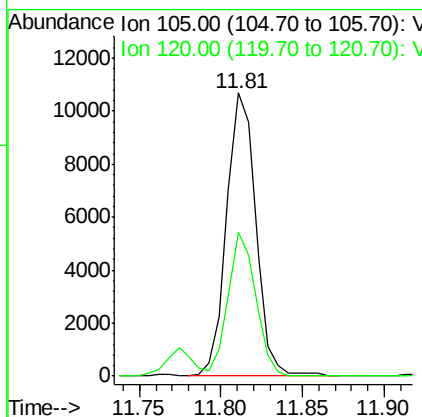
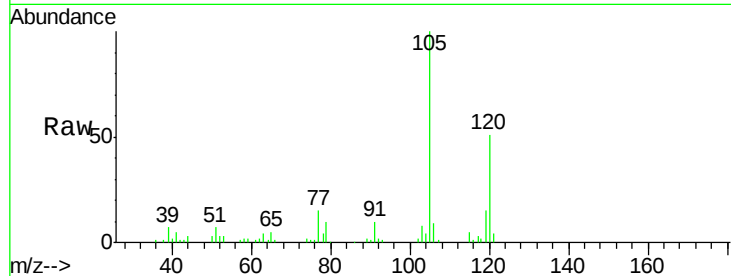
#84
 1,2,4-Trimethylbenzene
 Concen: 0.87 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX001713.D
 Acq: 14 May 2018 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.5	70.5

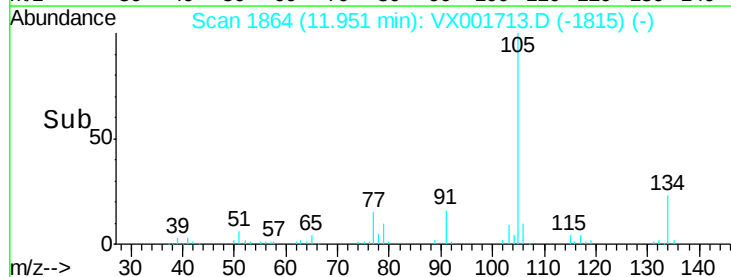
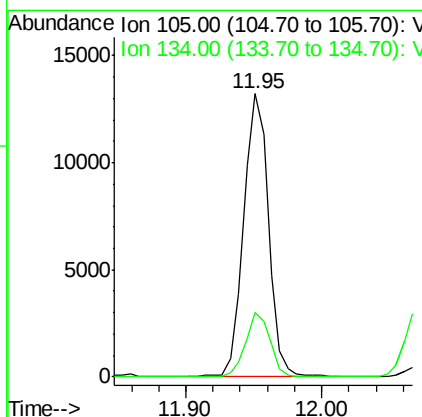
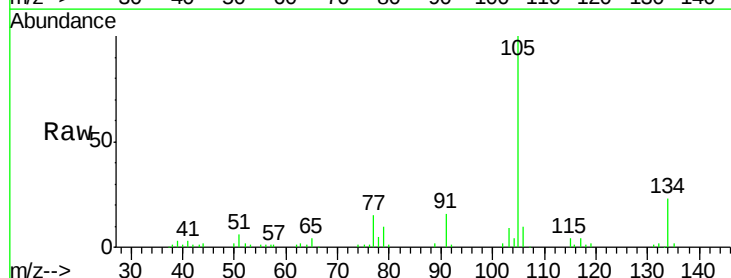
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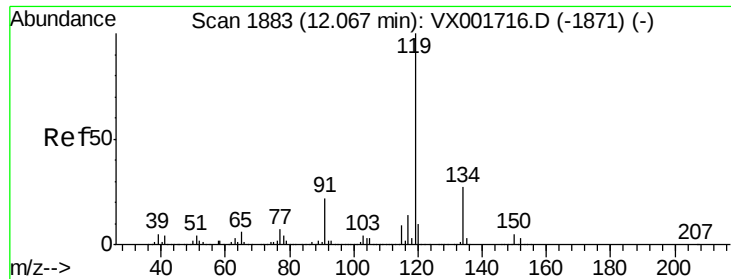
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#85
 sec-Butylbenzene
 Concen: 0.95 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX001713.D
 Acq: 14 May 2018 16:57

Tgt Ion	Ratio	Lower	Upper
105	100		
134	22.3	10.9	32.6





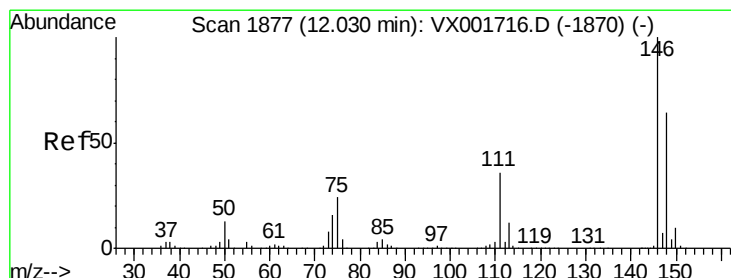
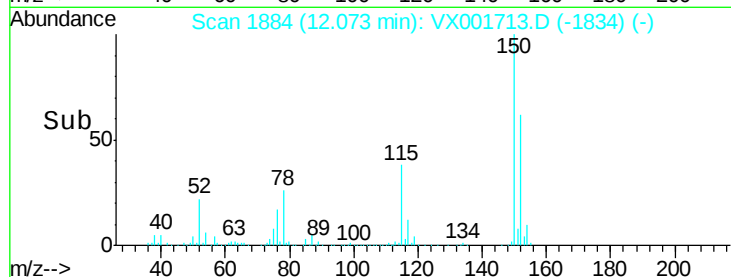
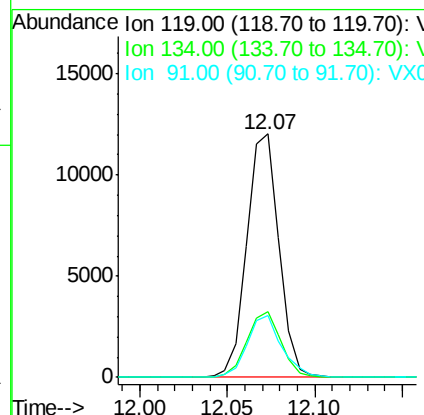
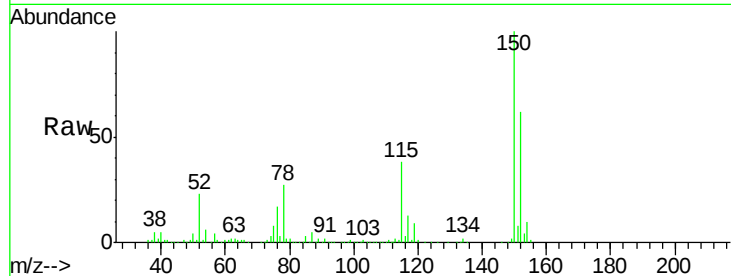
#86
p-Isopropyltoluene
Concen: 0.95 ug/l
RT: 12.07 min Scan# 1884
Delta R.T. 0.01 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	28.2	13.6	40.8
91	27.3	10.7	32.1

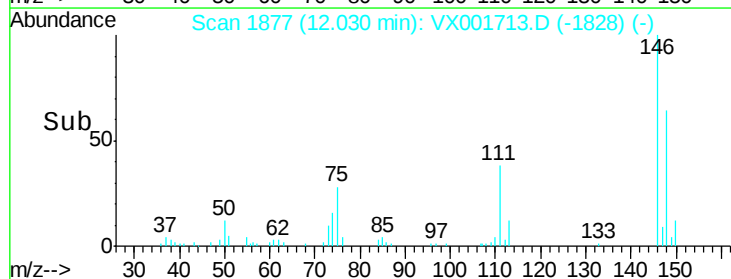
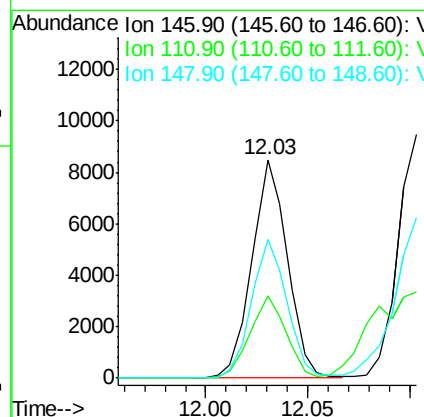
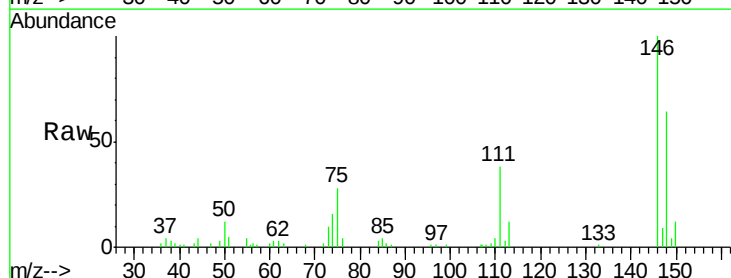
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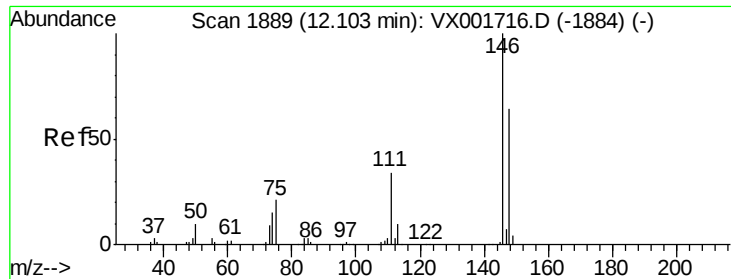
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#87
1,3-Dichlorobenzene
Concen: 1.10 ug/l
RT: 12.03 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	17.8	53.4
148	63.9	32.1	96.3





#88

1,4-Dichlorobenzene

Concen: 1.19 ug/l m

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Instrument :

MSVOA_X

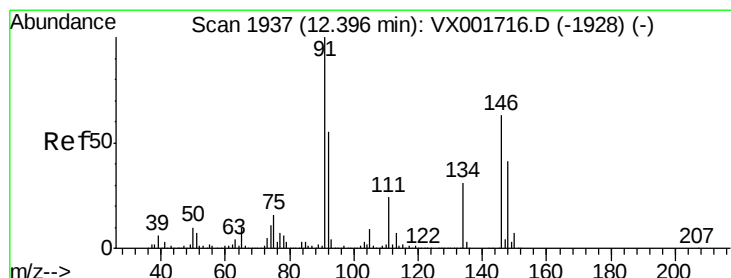
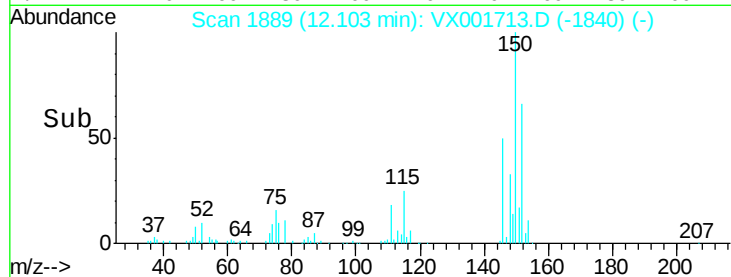
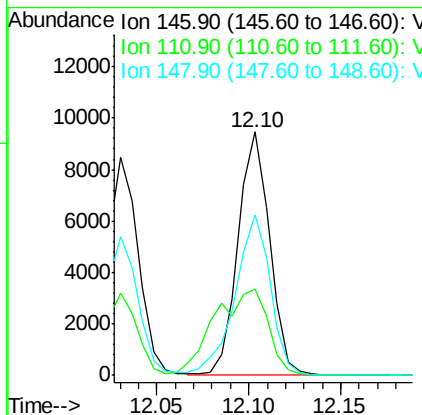
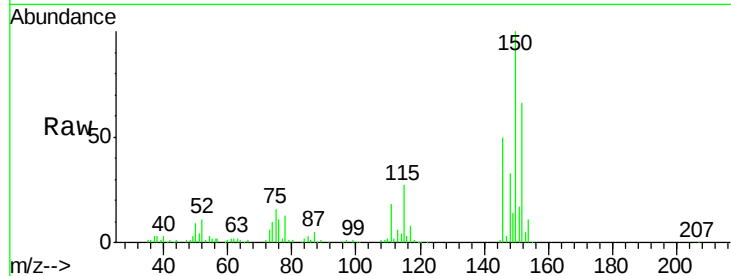
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	11331
Ion	Ratio	Lower	Upper
146	100		
111	34.6	17.3	52.0
148	58.0	32.3	96.9

Manual Integrations
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#89

n-Butylbenzene

Concen: 1.06 ug/l

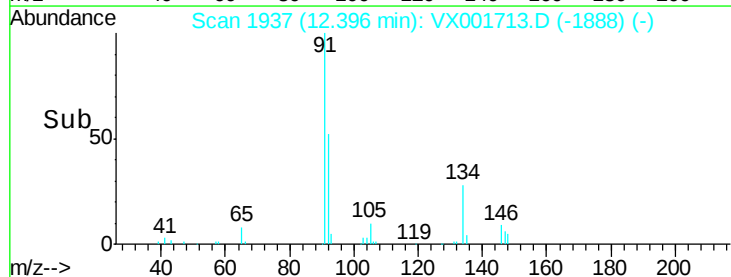
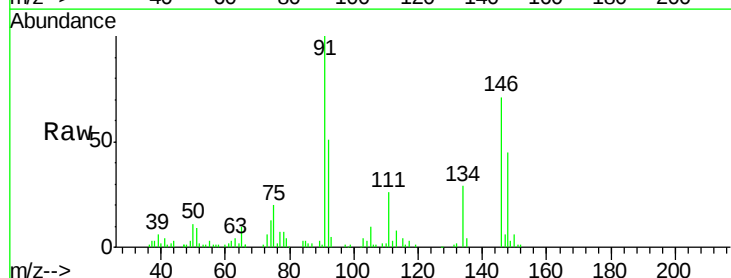
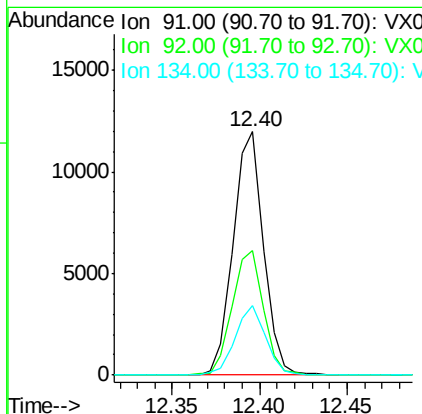
RT: 12.40 min Scan# 1937

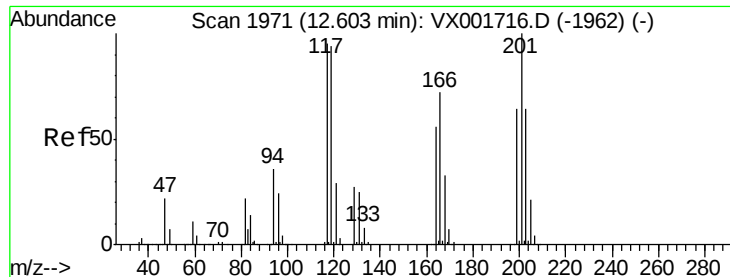
Delta R.T. -0.00 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Tgt Ion:	91	Resp:	14424
Ion	Ratio	Lower	Upper
91	100		
92	52.6	27.3	81.9
134	28.8	14.7	44.1





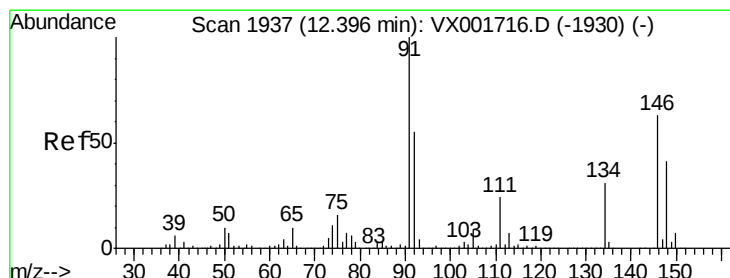
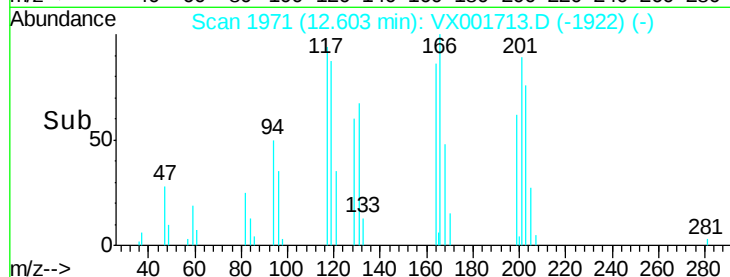
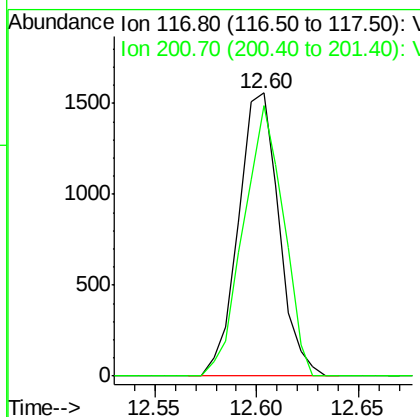
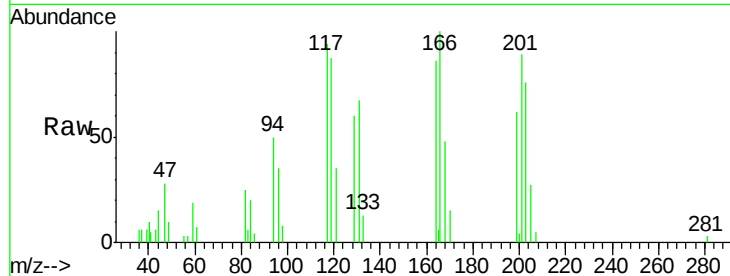
#90
Hexachloroethane
Concen: 0.87 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 2149
Ion Ratio Lower Upper
117 100
201 94.7 51.9 155.7

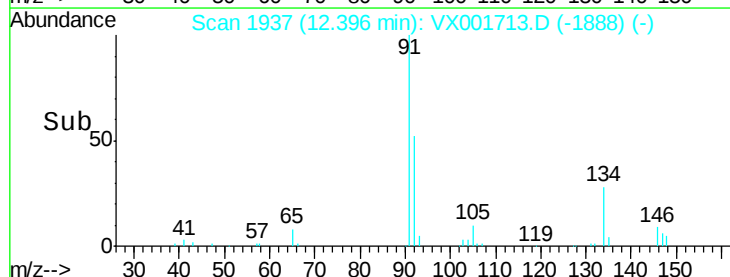
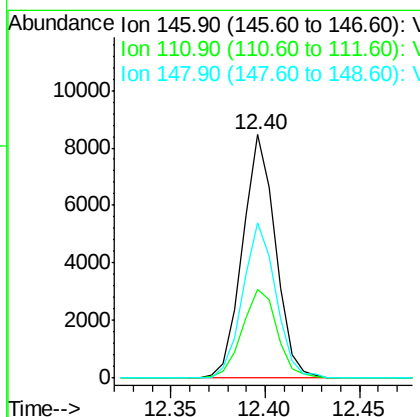
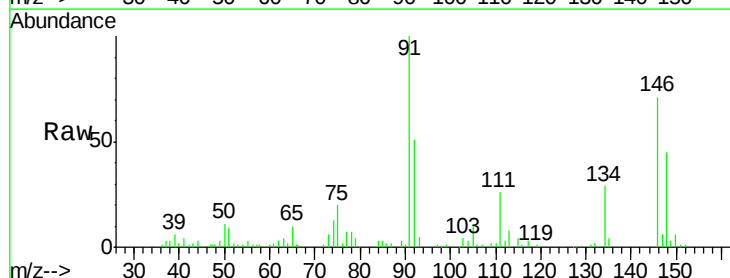
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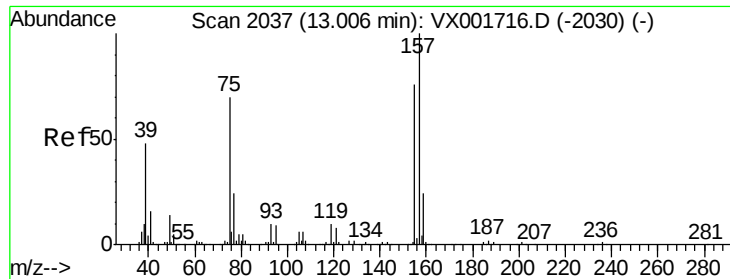
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#91
1,2-Dichlorobenzene
Concen: 1.09 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001713.D
Acq: 14 May 2018 16:57

Tgt Ion:146 Resp: 10265
Ion Ratio Lower Upper
146 100
111 38.6 18.6 56.0
148 64.0 32.4 97.0





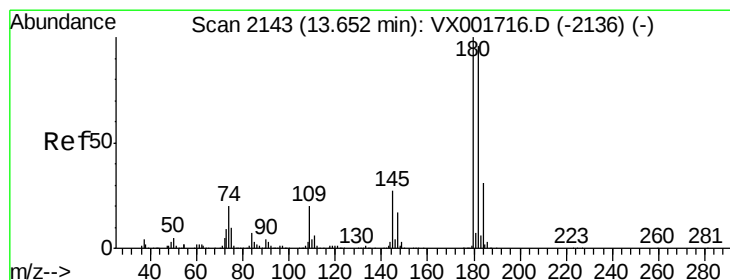
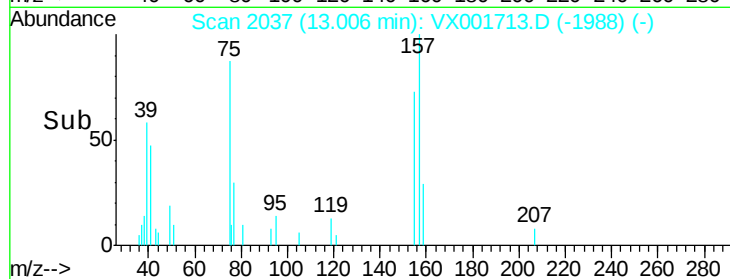
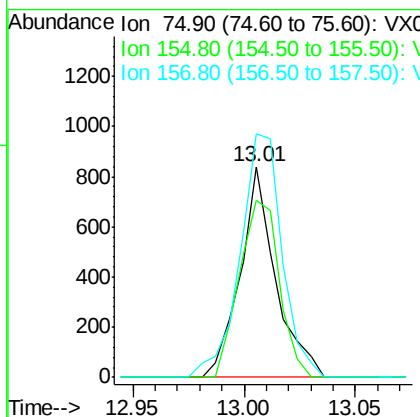
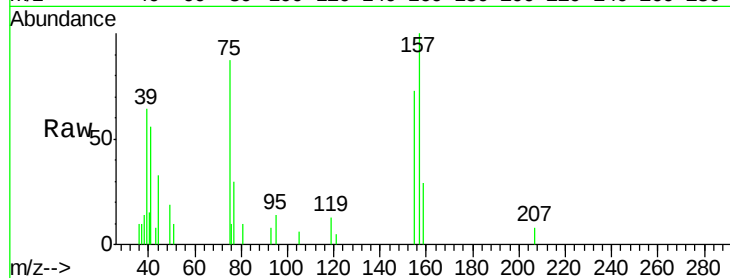
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.81 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001713.D
 Acq: 14 May 2018 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
155	94.6	53.9	161.8
157	137.0	71.0	213.2

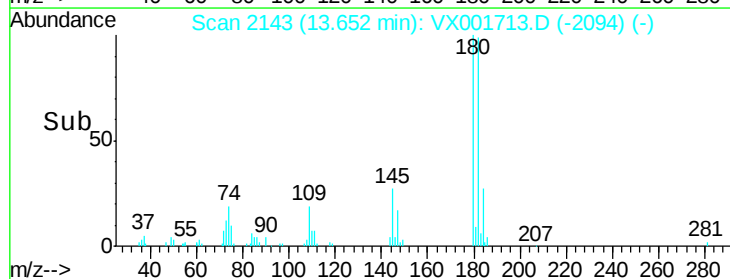
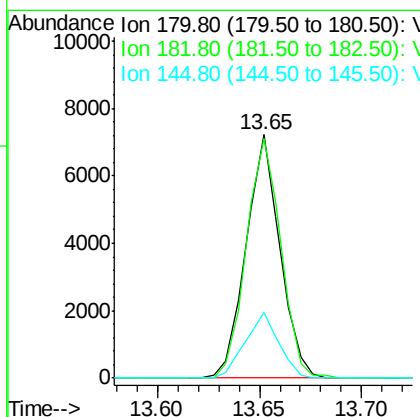
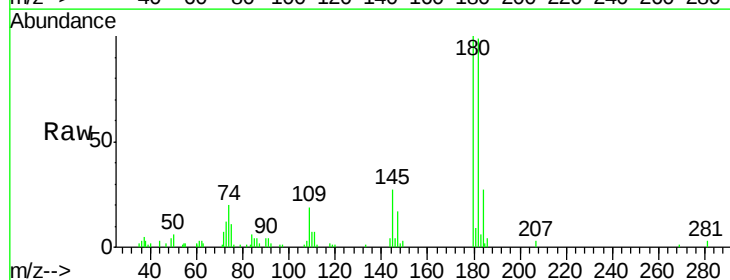
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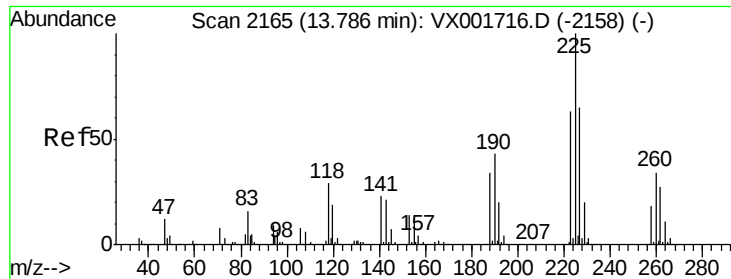
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#93
 1,2,4-Trichlorobenzene
 Concen: 1.19 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001713.D
 Acq: 14 May 2018 16:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.4	47.6	142.9
145	26.9	13.4	40.1





#94

Hexachlorobutadiene

Concen: 1.20 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX001713.D

Acq: 14 May 2018 16:57

Instrument :

MSVOA_X

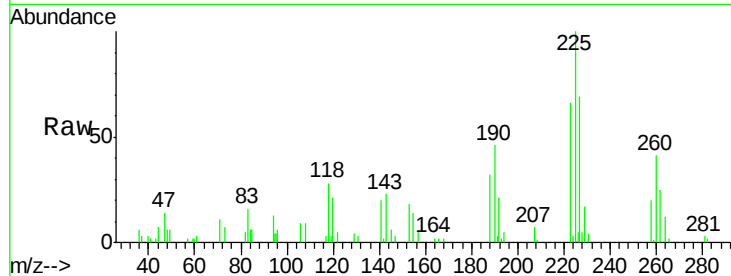
ClientSampleId :

VSTDIC001

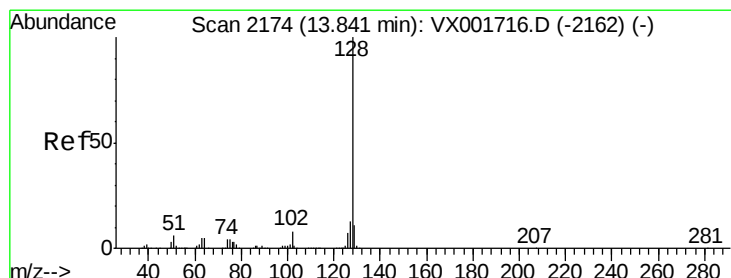
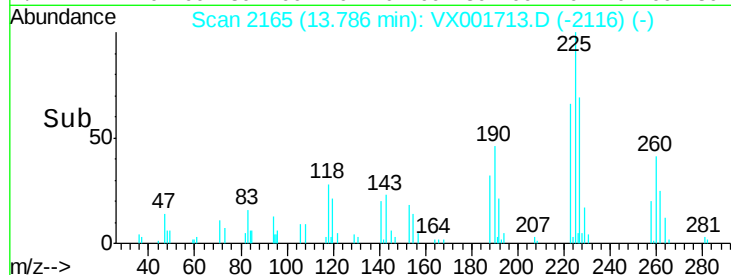
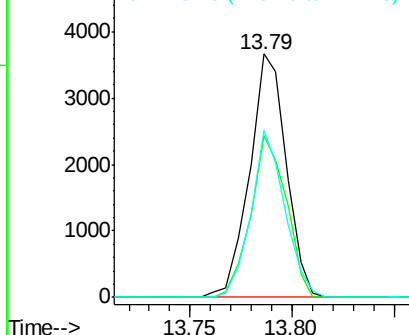
Tot Ion:	225	Resp:	4575
Ion Ratio	Lower	Upper	
225	100		
223	64.5	31.1	93.5
227	63.4	31.9	95.5

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



#95

Naphthalene

Concen: 0.97 ug/l

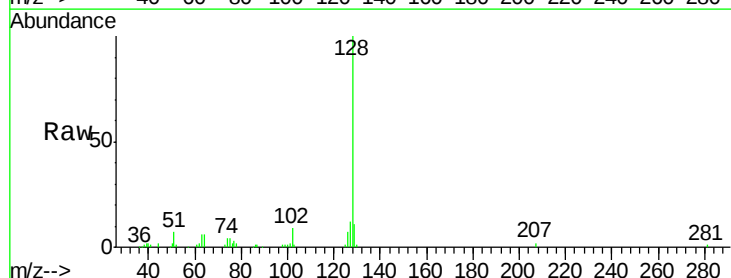
RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

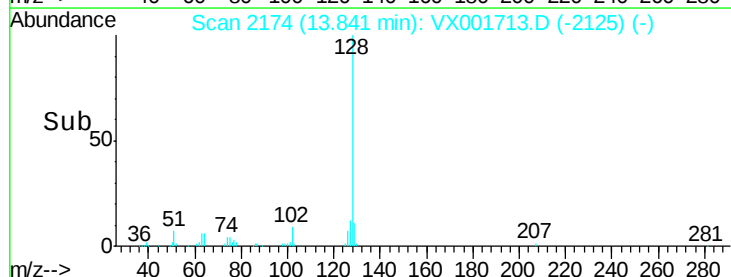
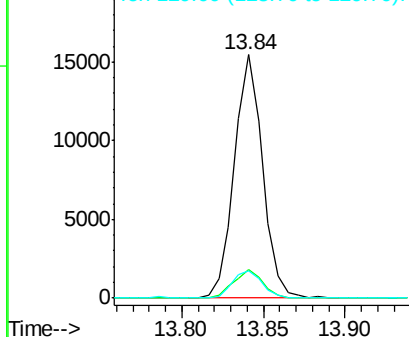
Lab File: VX001713.D

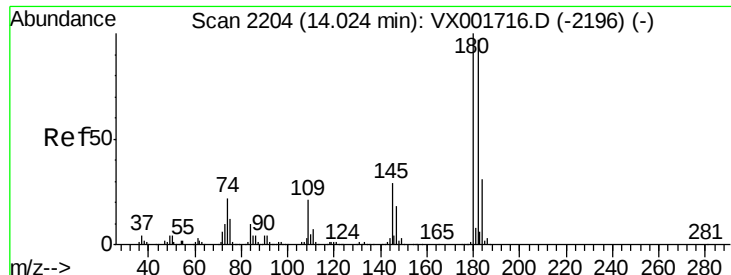
Acq: 14 May 2018 16:57

Tgt Ion:	128	Resp:	18563
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.2	15.4
129	12.0	8.9	13.3



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





#96
 1,2,3-Trichlorobenzene
 Concen: 1.20 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX001713.D
 Acq: 14 May 2018 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.9	143.7
145	27.2	14.2	42.8

Manual Integrations
 APPROVED

MMDadoda
 5/16/2018 11:54:04 AM

