

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050118\
 Data File : VX001286.D
 Acq On : 01 May 2018 19:53
 Operator : JC/MD
 Sample : VX0501WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/2/2018 4:20:56 PM

Quant Time: May 02 05:19:04 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 02 01:48:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	191208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	250053	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	233136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	156429	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	123005	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	
35) Dibromofluoromethane	5.51	113	103443	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
50) Toluene-d8	8.72	98	386061	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
62) 4-Bromofluorobenzene	11.14	95	143736	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	41880	19.80	ug/l	99
3) Chloromethane	1.32	50	40220	19.37	ug/l	99
4) Vinyl Chloride	1.40	62	42593	19.49	ug/l	100
5) Bromomethane	1.64	94	32644	19.04	ug/l	98
6) Chloroethane	1.73	64	26308	19.04	ug/l	99
7) Trichlorofluoromethane	1.93	101	72935	19.77	ug/l	100
8) Diethyl Ether	2.19	74	24495	19.34	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	41824	19.66	ug/l	98
10) Methyl Iodide	2.51	142	33614	17.57	ug/l	98
11) Tert butyl alcohol	3.08	59	51769	113.68	ug/l	100
12) 1,1-Dichloroethene	2.37	96	36816	19.19	ug/l	98
13) Acrolein	2.29	56	23003	87.73	ug/l	100
14) Allyl chloride	2.73	41	65028	19.38	ug/l	100
15) Acrylonitrile	3.15	53	106934	101.32	ug/l	99
16) Acetone	2.45	43	110092	97.44	ug/l	100
17) Carbon Disulfide	2.57	76	87346	17.48	ug/l	99
18) Methyl Acetate	2.78	43	57269	21.46	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	128447	19.66	ug/l	99
20) Methylene Chloride	2.86	84	41114	19.19	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	38696	18.54	ug/l	98
22) Diisopropyl ether	3.88	45	116133	17.97	ug/l	97
23) Vinyl Acetate	3.83	43	495330	90.44	ug/l	100
24) 1,1-Dichloroethane	3.70	63	71629	19.90	ug/l	99
25) 2-Butanone	4.71	43	149370	97.78	ug/l	99
26) 2,2-Dichloropropane	4.59	77	50795	17.34	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	41614	18.14	ug/l	99
28) Bromochloromethane	5.03	49	34260	21.17	ug/l	97
29) Tetrahydrofuran	5.18	42	94507	100.59	ug/l	100
30) Chloroform	5.22	83	69992	18.39	ug/l	99
31) Cyclohexane	5.57	56	58138	17.88	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	59567	17.91	ug/l	98
36) 1,1-Dichloropropene	5.81	75	51108	17.71	ug/l	99
37) Ethyl Acetate	4.87	43	55878	19.18	ug/l	100
38) Carbon Tetrachloride	5.79	117	53471	17.69	ug/l	95

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Manual Integrations
 APPROVED

MMDadoda
 5/2/2018 4:20:56 PM

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	61742	18.09	ug/l	98
40) Benzene	6.15	78	152275	18.34	ug/l	98
41) Methacrylonitrile	5.07	41	30893	18.20	ug/l	97
42) 1,2-Dichloroethane	6.20	62	58143	18.09	ug/l	100
43) Isopropyl Acetate	6.48	43	87933	18.64	ug/l	99
44) Trichloroethene	7.21	130	45683	17.98	ug/l	97
45) 1,2-Dichloropropane	7.52	63	39119	18.35	ug/l	96
46) Dibromomethane	7.67	93	26942	18.03	ug/l	98
47) Bromodichloromethane	7.90	83	48399	18.11	ug/l	99
48) Methyl methacrylate	7.79	41	45799	18.26	ug/l	98
49) 1,4-Dioxane	7.76	88	20449	432.06	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	301179	99.02	ug/l	100
52) Toluene	8.79	92	98980	18.24	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	56876	17.90	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	50878	17.40	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	40648	18.54	ug/l	96
56) Ethyl methacrylate	9.19	69	56934	18.74	ug/l	98
57) 1,3-Dichloropropane	9.38	76	66247	18.79	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	144544	98.63	ug/l	100
59) 2-Hexanone	9.50	43	230384	96.91	ug/l	100
60) Dibromochloromethane	9.59	129	41059	17.96	ug/l	99
61) 1,2-Dibromoethane	9.68	107	43523	18.73	ug/l	100
64) Tetrachloroethene	9.34	164	55230	20.00	ug/l	97
65) Chlorobenzene	10.14	112	116091	18.31	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	41313	18.77	ug/l	99
67) Ethyl Benzene	10.26	91	189389	18.13	ug/l	99
68) m/p-Xylenes	10.37	106	152849	37.18	ug/l	99
69) o-Xylene	10.70	106	74325	18.64	ug/l	97
70) Styrene	10.72	104	119911	18.39	ug/l	99
71) Bromoform	10.86	173	32486	18.01	ug/l #	99
73) Isopropylbenzene	11.02	105	198015	18.92	ug/l	99
74) N-amyl acetate	6.48	43	87933	19.59	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	60105	19.17	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	57878m	20.01	ug/l	
77) Bromobenzene	11.26	156	57861	19.17	ug/l	97
78) n-propylbenzene	11.37	91	224127	19.27	ug/l	100
79) 2-Chlorotoluene	11.43	91	135110	19.25	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	171440	19.51	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	13102	17.76	ug/l	92
82) 4-Chlorotoluene	11.52	91	157415	18.65	ug/l	100
83) tert-Butylbenzene	11.77	119	163714	18.68	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	174519	19.38	ug/l	100
85) sec-Butylbenzene	11.95	105	204532	19.51	ug/l	100
86) p-Isopropyltoluene	12.07	119	189105	19.66	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	103671	18.39	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	105527	18.16	ug/l	99
89) n-Butylbenzene	12.40	91	158887	18.93	ug/l	99
90) Hexachloroethane	12.60	117	25082	18.01	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	104987	18.72	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	12651	19.97	ug/l	100

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ClientSampleId :
VX0501WBS02

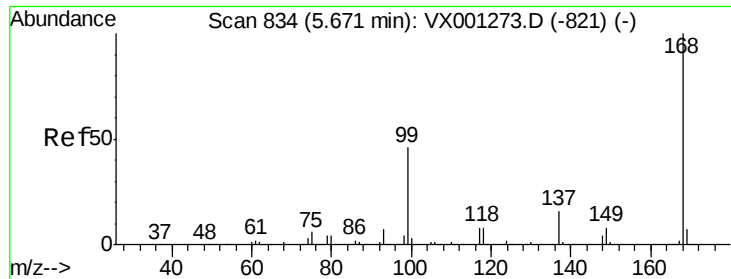
Manual Integrations
APPROVED

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5/2/2018 4:20:56 PM

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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
Quant Title : SW846 8260
QLast Update : Wed May 02 01:48:25 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	80779	17.90	ug/l	99
94) Hexachlorobutadiene	13.79	225	44768	18.96	ug/l	99
95) Naphthalene	13.84	128	224823	19.64	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	83507	18.85	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS02

Tot Ion:168 Resp: 191208

Ion Ratio Lower Upper

168 100

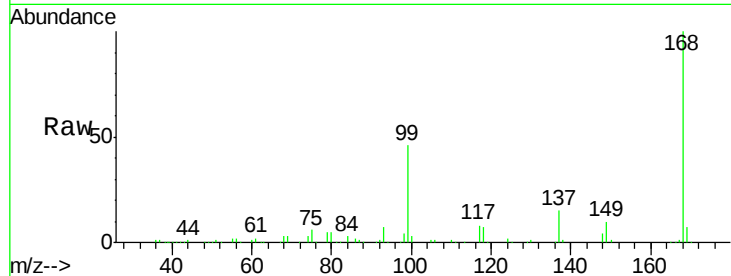
99 45.7 36.5 54.7

Manual Integrations

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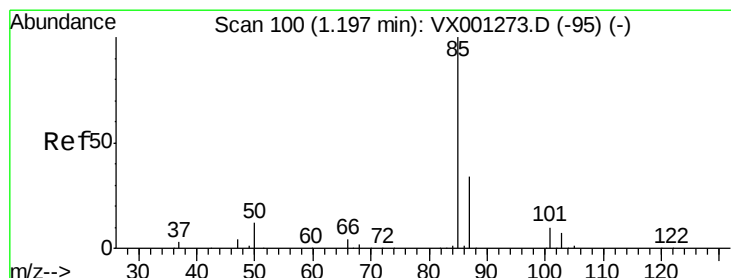
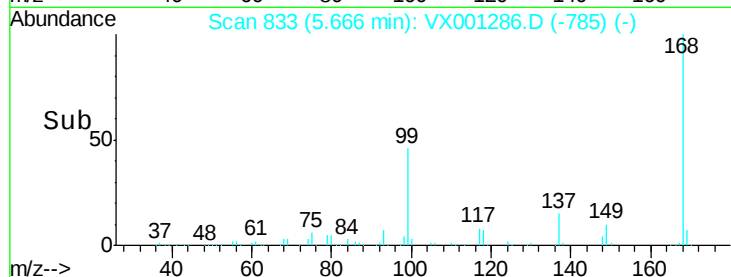
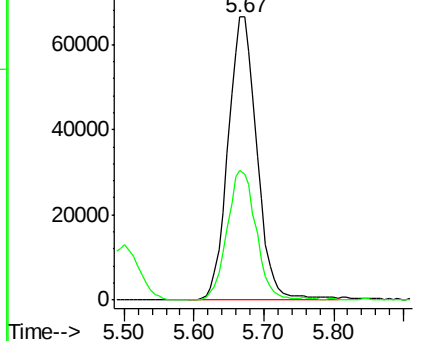
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.80 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001286.D

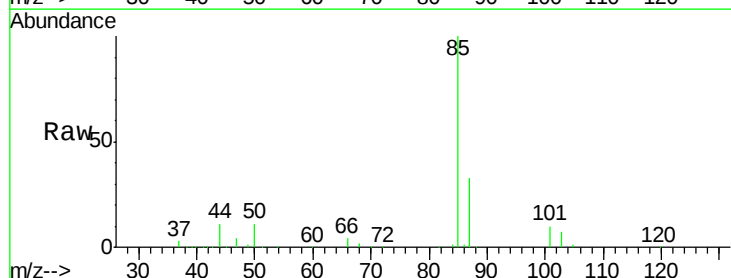
Acq: 01 May 2018 19:53

Tgt Ion: 85 Resp: 41880

Ion Ratio Lower Upper

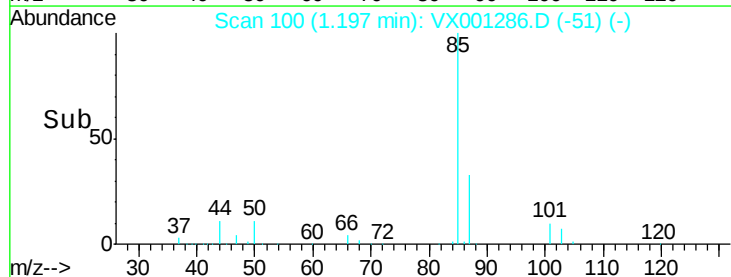
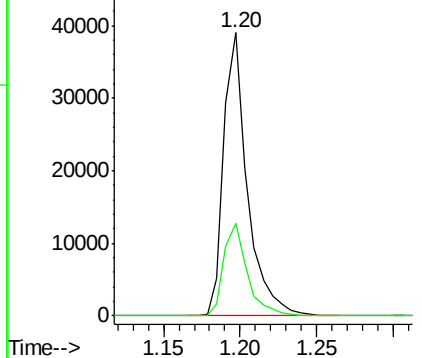
85 100

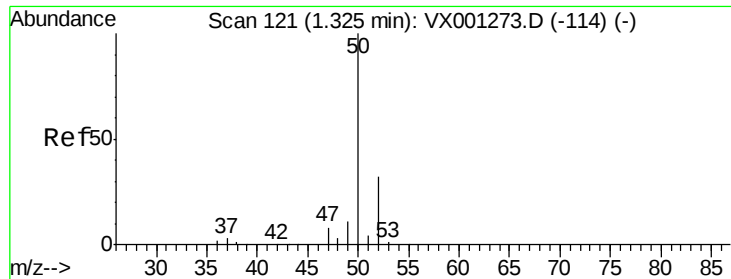
87 32.8 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.37 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS02

Tot Ion: 50 Resp: 40220

Ion Ratio Lower Upper

50 100

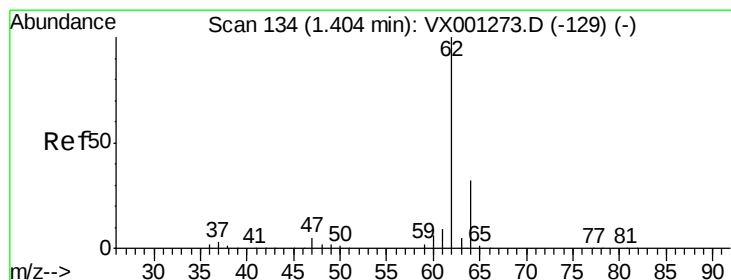
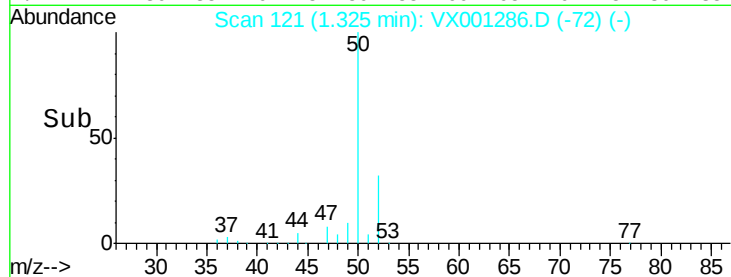
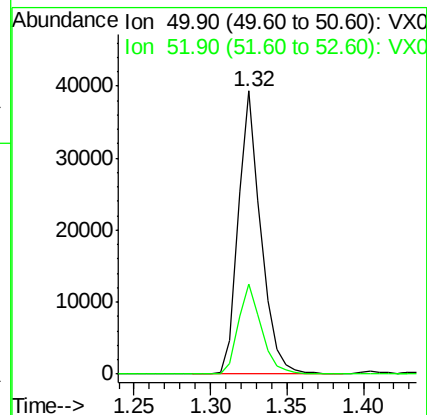
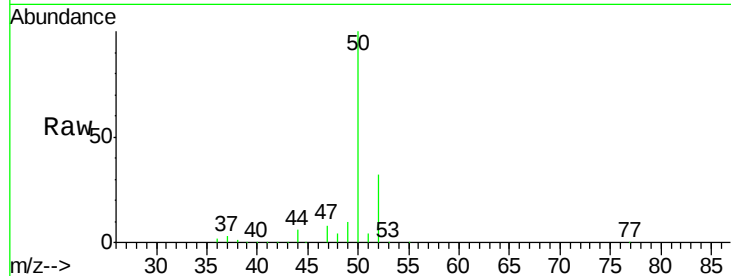
52 31.7 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.49 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001286.D

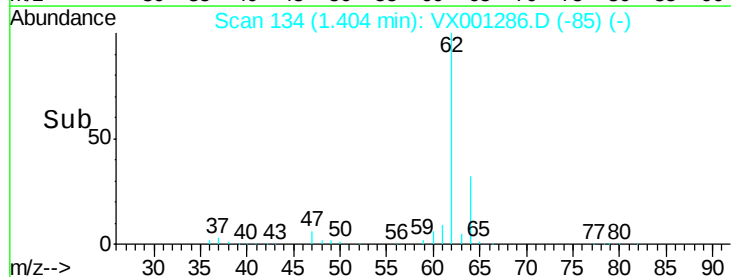
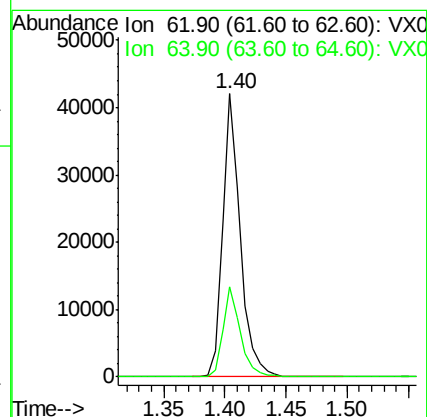
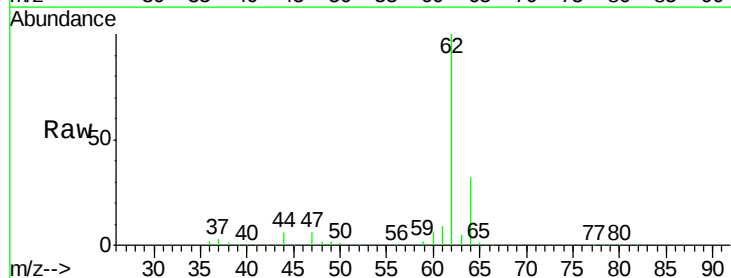
Acq: 01 May 2018 19:53

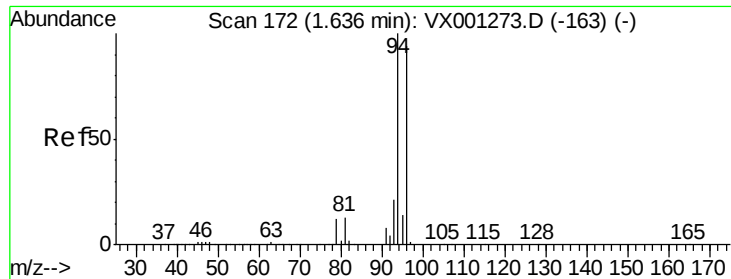
Tgt Ion: 62 Resp: 42593

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 19.04 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS02

Tot Ion: 94 Resp: 32644

Ion Ratio Lower Upper

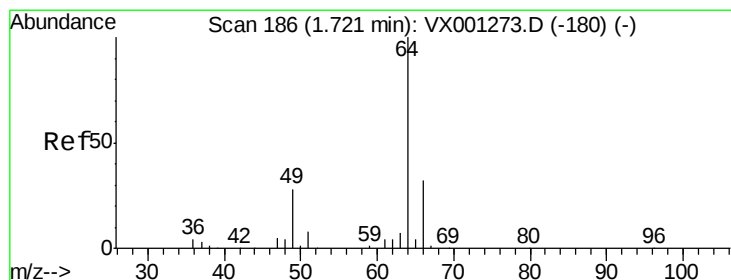
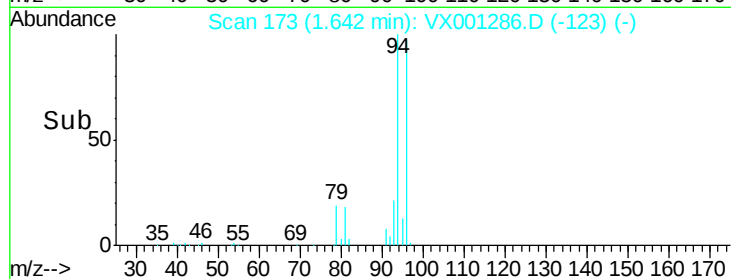
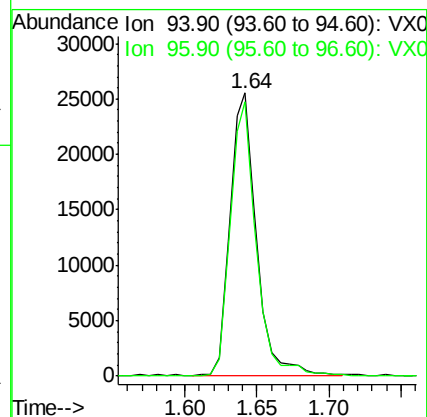
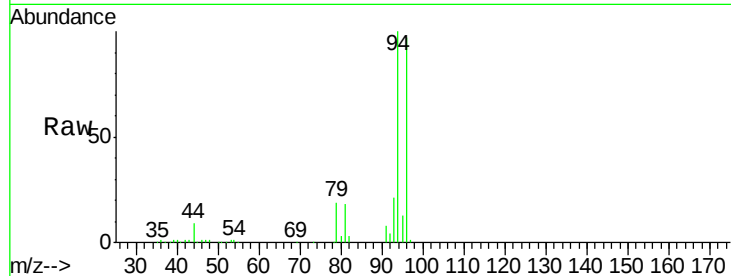
94 100

96 96.8 75.6 113.4

Manual Integrations
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#6

Chloroethane

Concen: 19.04 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX001286.D

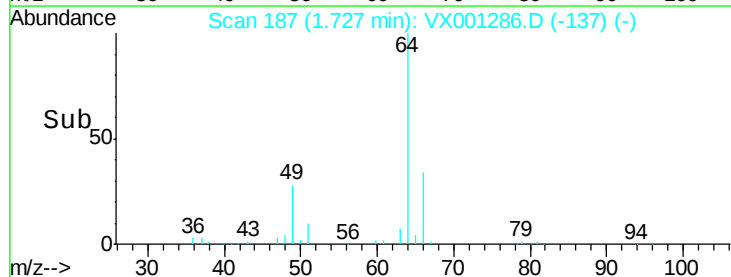
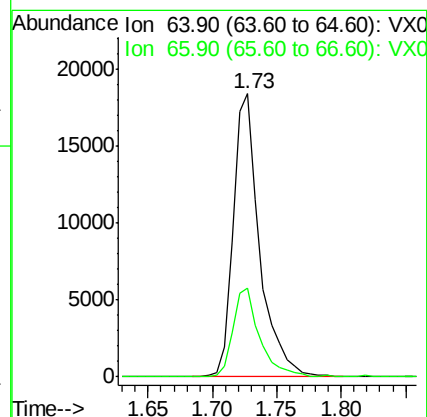
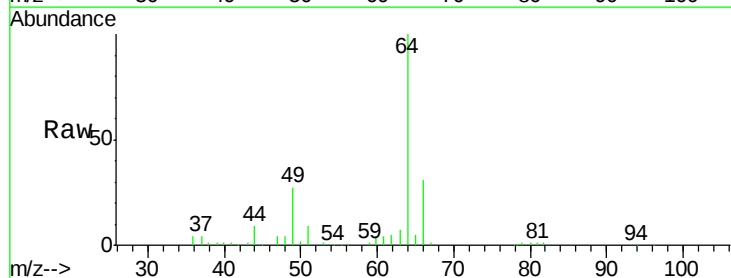
Acq: 01 May 2018 19:53

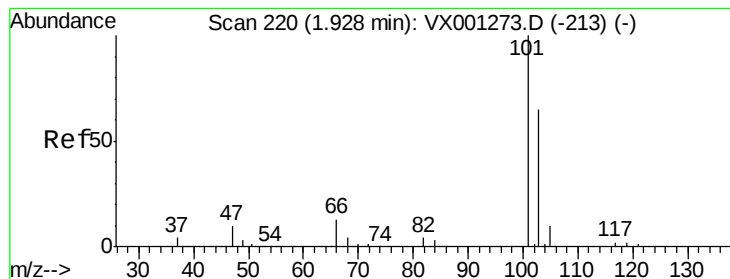
Tgt Ion: 64 Resp: 26308

Ion Ratio Lower Upper

64 100

66 31.3 25.7 38.5





#7

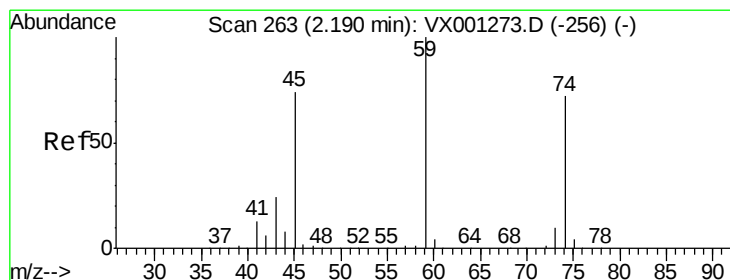
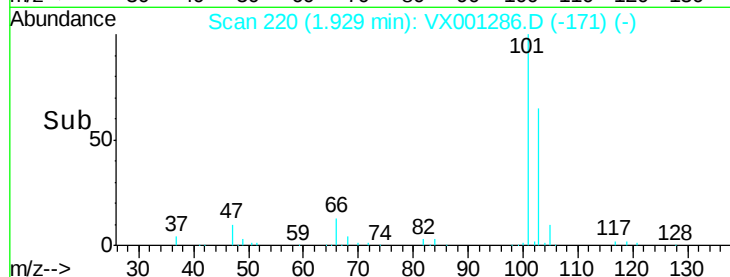
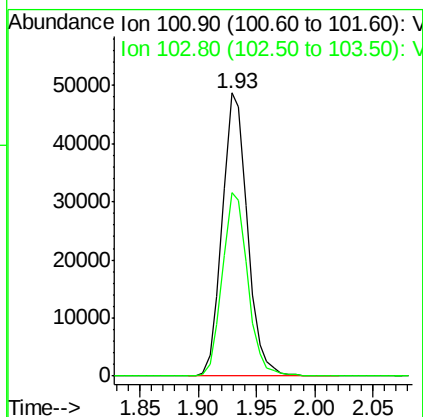
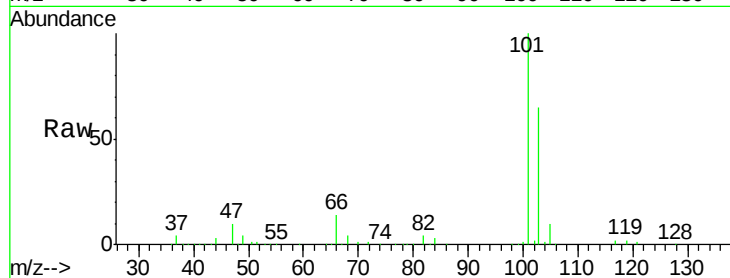
Trichlorofluoromethane
Concen: 19.77 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX001286.D
Acq: 01 May 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBS02

Tot Ion:101 Resp: 72935
Ion Ratio Lower Upper
101 100
103 64.9 51.8 77.8

Manual Integrations
APPROVED

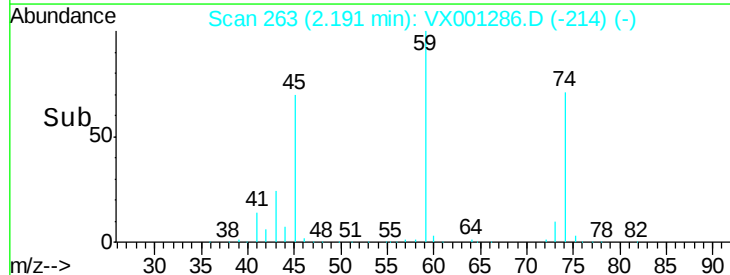
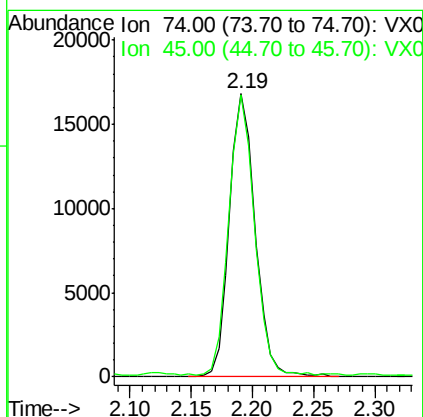
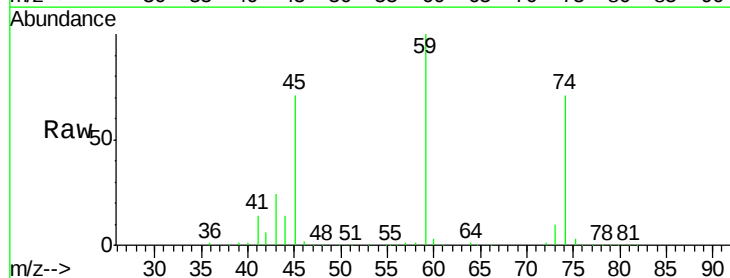
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5/2/2018 4:20:56 PM

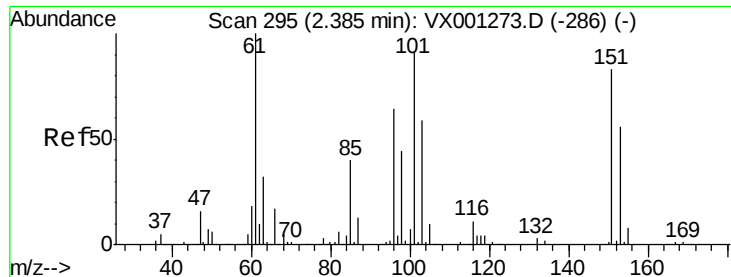


#8

Diethyl Ether
Concen: 19.34 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX001286.D
Acq: 01 May 2018 19:53

Tgt Ion: 74 Resp: 24495
Ion Ratio Lower Upper
74 100
45 98.4 49.3 147.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.66 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Instrument :

MSVOA_X

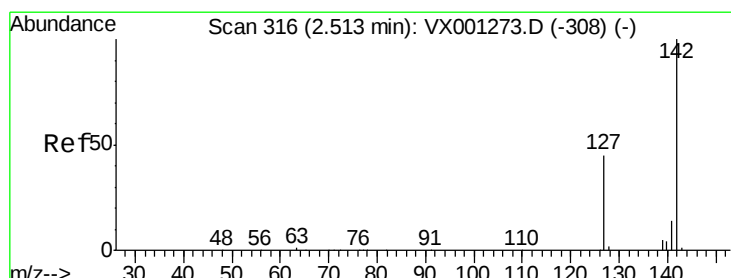
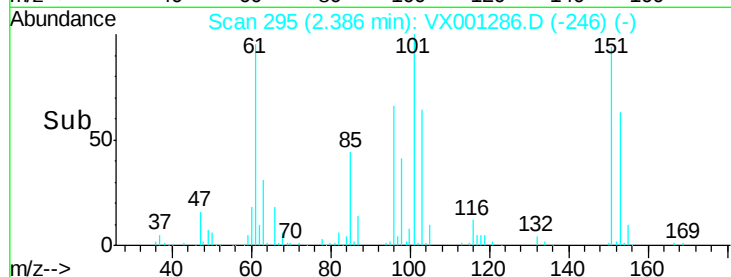
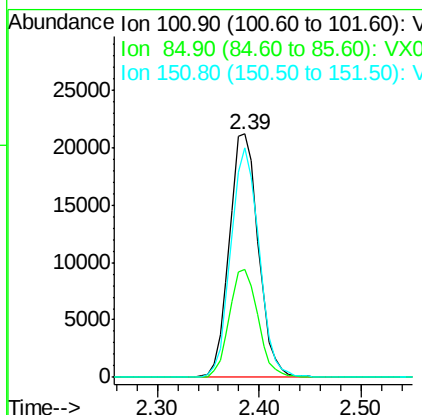
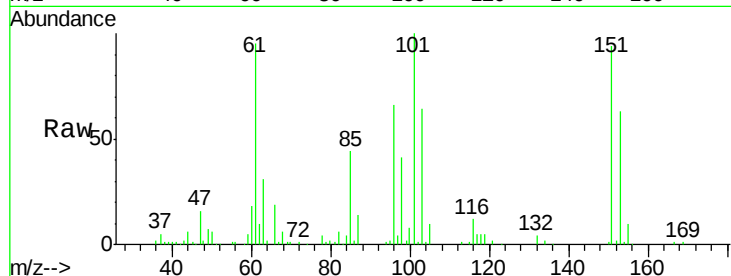
ClientSampleId :

VX0501WBS02

Tot Ion:	101	Resp:	41824
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.6	53.4
151	91.3	74.8	112.2

Manual Integrations
APPROVED

MMDadoda
5/2/2018 4:20:56 PM



#10

Methyl Iodide

Concen: 17.57 ug/l

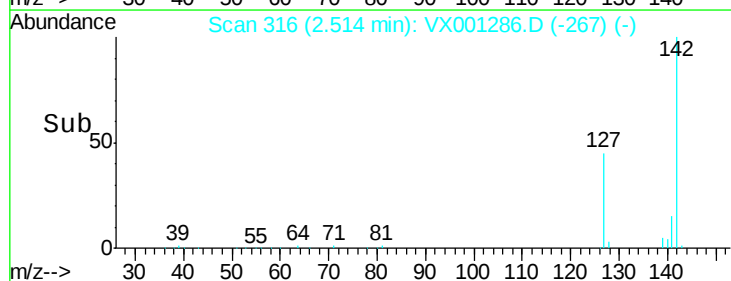
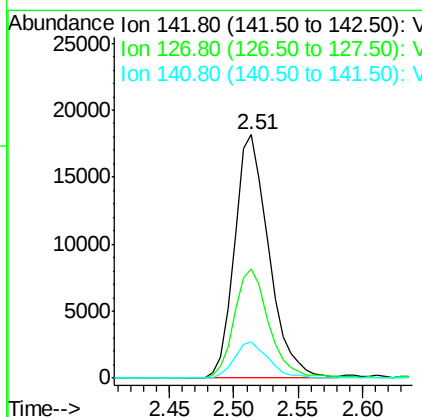
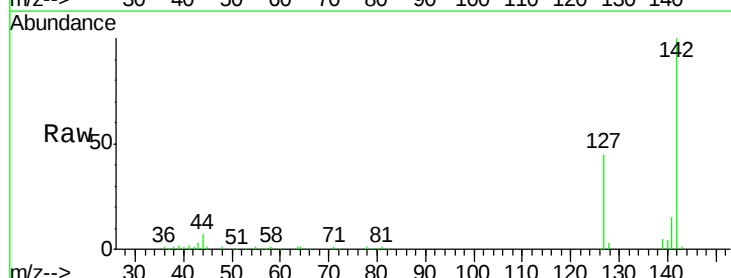
RT: 2.51 min Scan# 316

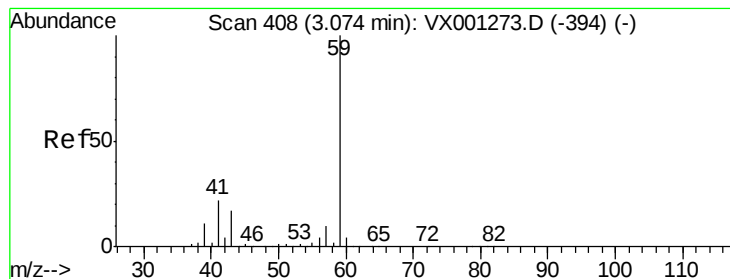
Delta R.T. 0.00 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Tgt Ion:	142	Resp:	33614
Ion Ratio	Lower	Upper	
142	100		
127	45.7	35.7	53.5
141	14.7	11.4	17.0





#11

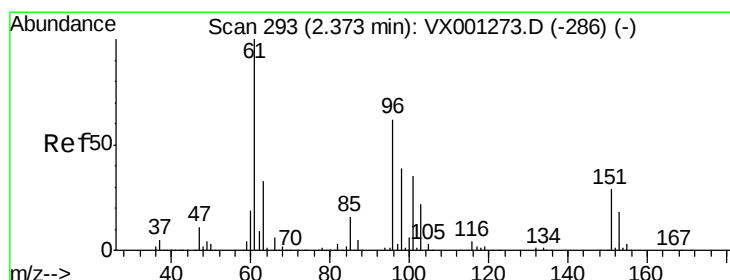
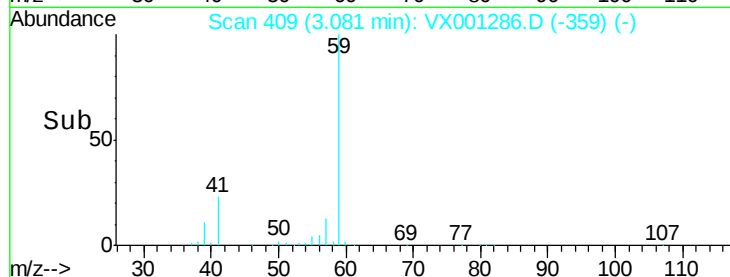
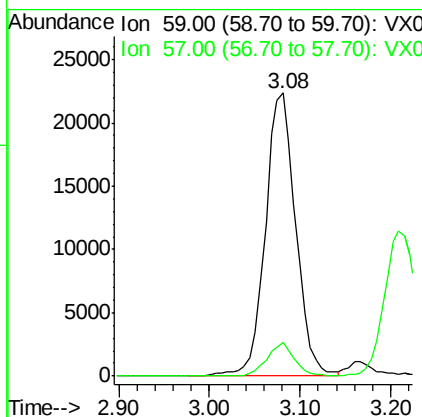
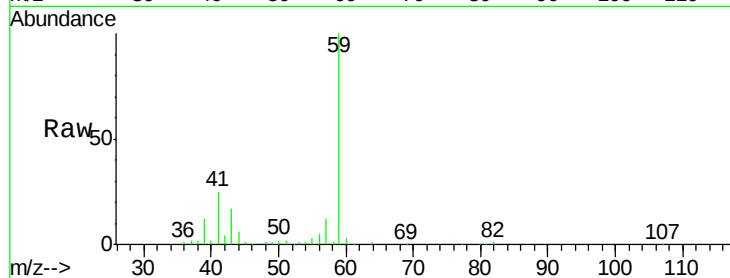
Tert butyl alcohol
Concen: 113.68 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX001286.D
Acq: 01 May 2018 19:53

Instrument :
MSVOA_X
ClientSampled :
VX0501WBS02

Tot Ion	59	Resp	51769
Ion Ratio	100	Lower	Upper
57	10.8	8.6	12.8

Manual Integrations
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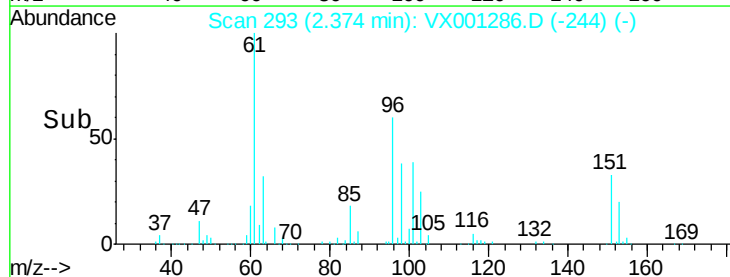
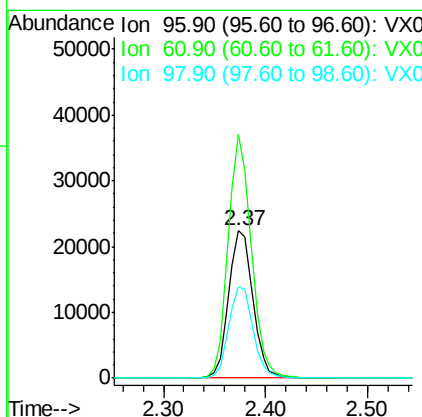
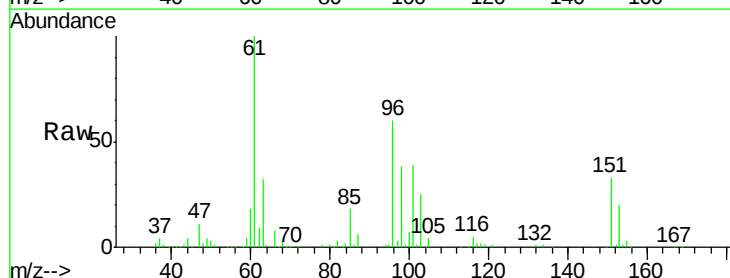
MMDadoda
5/2/2018 4:20:56 PM

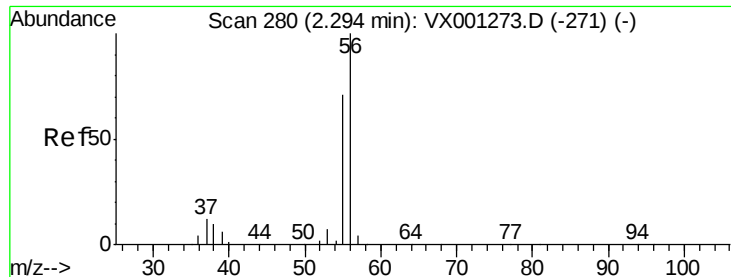


#12

1,1-Dichloroethene
Concen: 19.19 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001286.D
Acq: 01 May 2018 19:53

Tgt Ion	96	Resp	36816
Ion Ratio	100	Lower	Upper
61	165.6	130.1	195.1
98	62.3	50.3	75.5





#13

Acrolein

Concen: 87.73 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS02

Tot Ion: 56 Resp: 23003

Ion Ratio Lower Upper

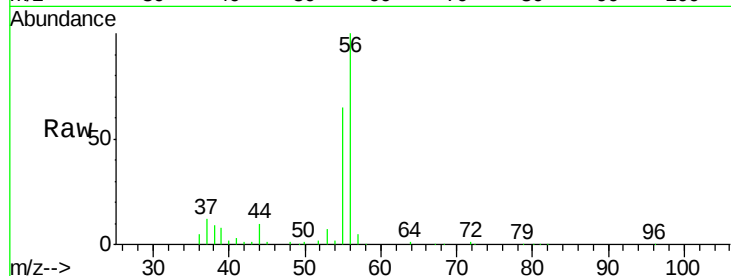
56 100

55 71.6 57.2 85.8

Manual Integrations
APPROVED

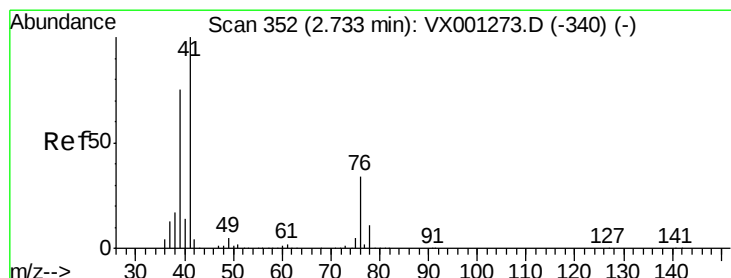
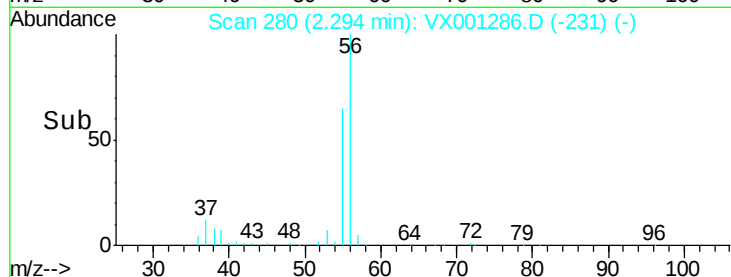
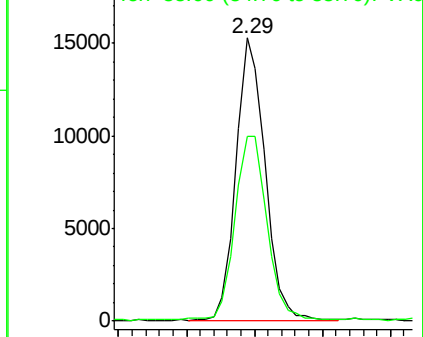
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.38 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

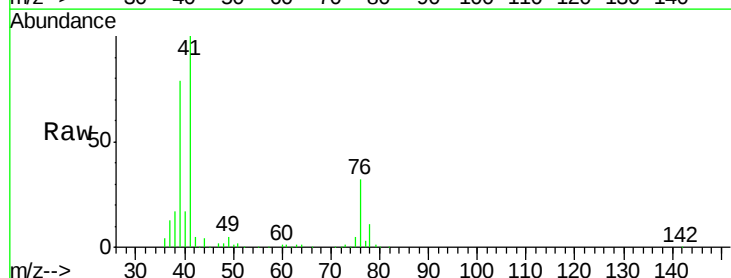
Tgt Ion: 41 Resp: 65028

Ion Ratio Lower Upper

41 100

39 73.1 58.1 87.1

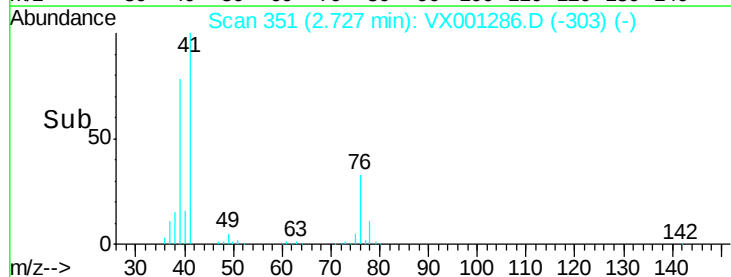
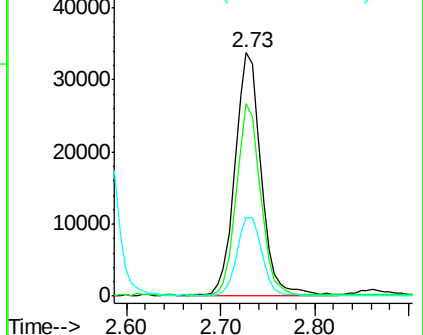
76 31.4 25.1 37.7

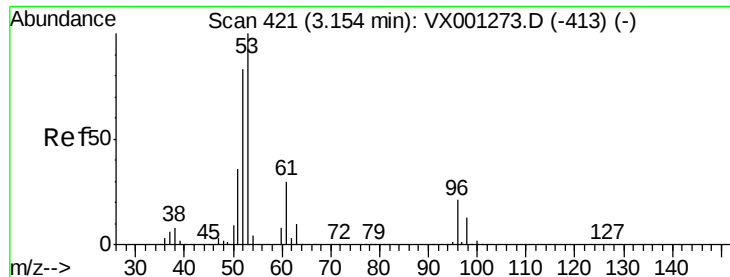


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 101.32 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Instrument :

MSVOA_X

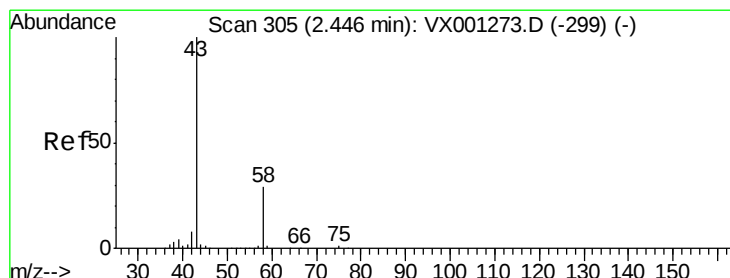
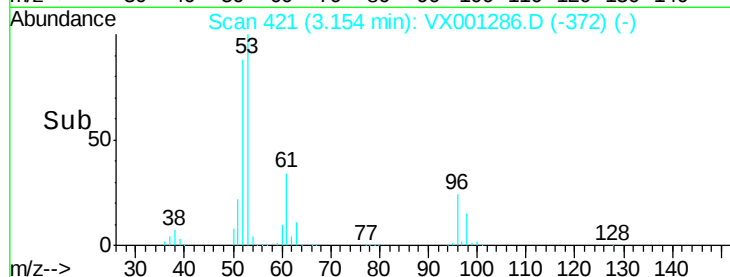
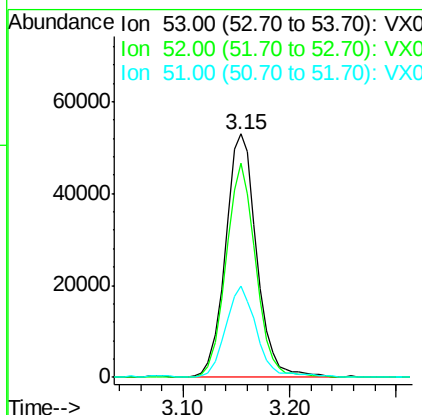
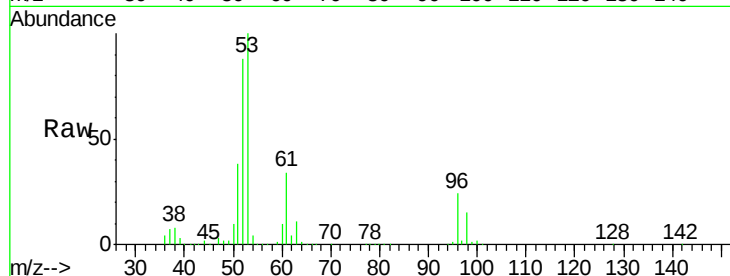
ClientSampleId :

VX0501WBS02

Tot Ion:	53	Resp:	106934
Ion Ratio		Lower	Upper
53	100		
52	85.0	67.0	100.4
51	38.1	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 97.44 ug/l

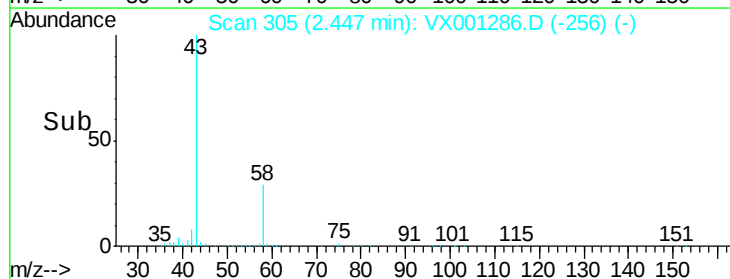
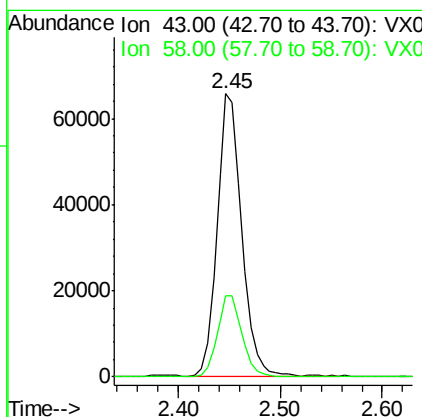
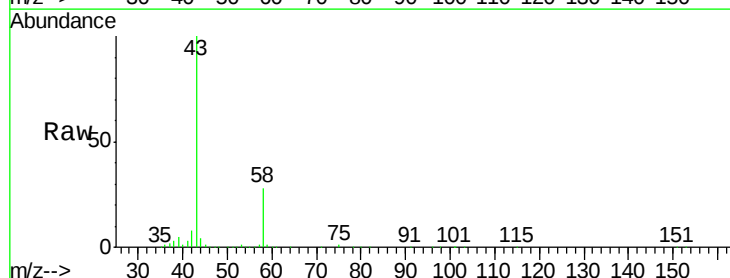
RT: 2.45 min Scan# 305

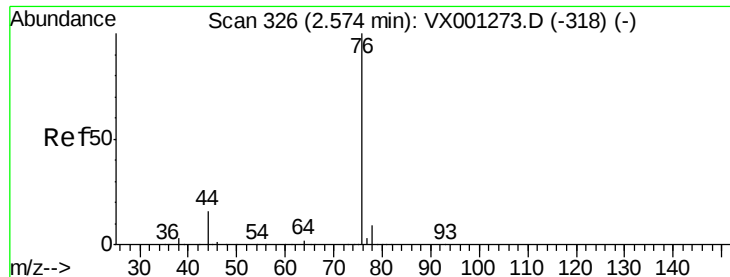
Delta R.T. 0.00 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Tgt Ion:	43	Resp:	110092
Ion Ratio		Lower	Upper
43	100		
58	28.4	22.8	34.2





#17

Carbon Disulfide

Concen: 17.48 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS02

Tot Ion: 76 Resp: 87346

Ion Ratio Lower Upper

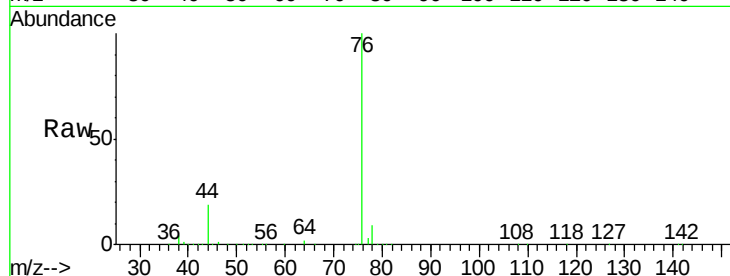
76 100

78 8.9 7.0 10.4

Manual Integrations
APPROVED

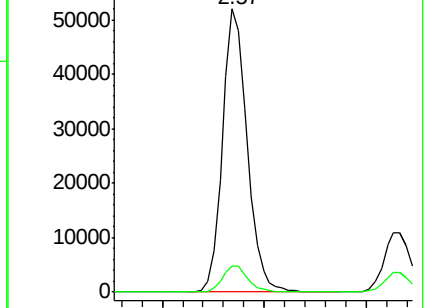
MMDadoda

5/2/2018 4:20:56 PM

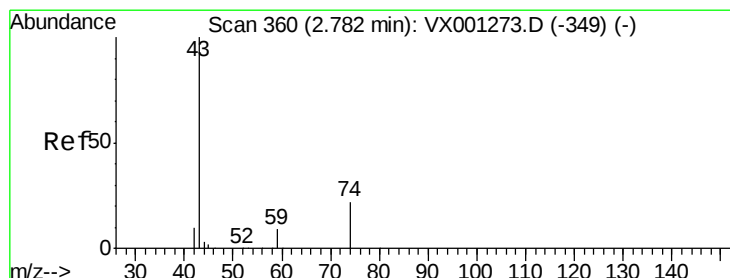
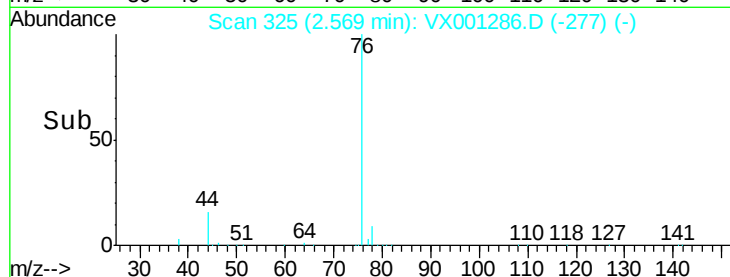


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#18

Methyl Acetate

Concen: 21.46 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001286.D

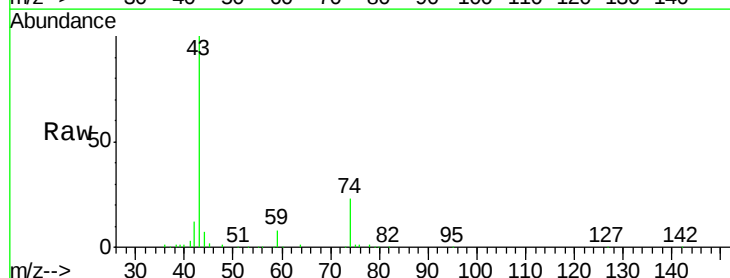
Acq: 01 May 2018 19:53

Tgt Ion: 43 Resp: 57269

Ion Ratio Lower Upper

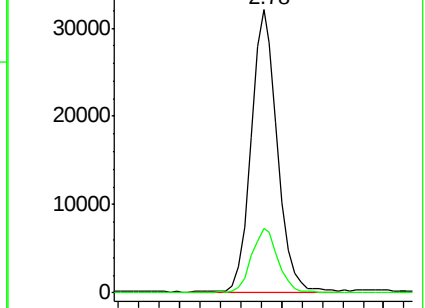
43 100

74 23.8 17.8 26.6

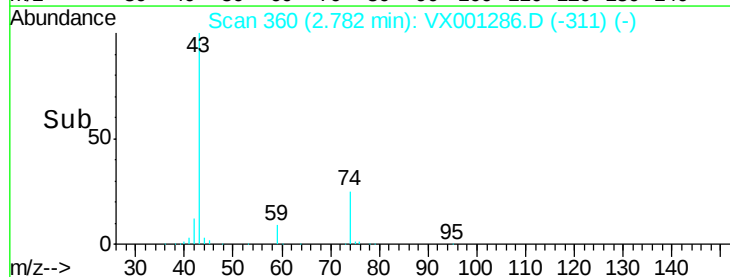


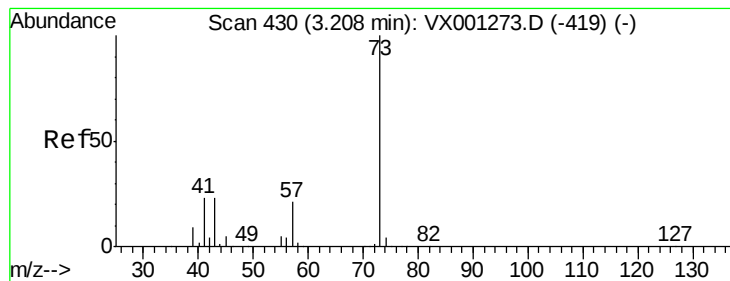
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



Time-->





#19

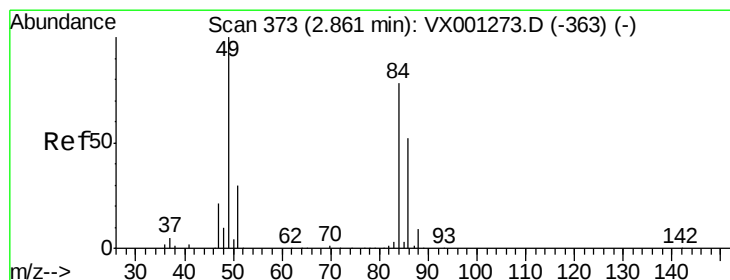
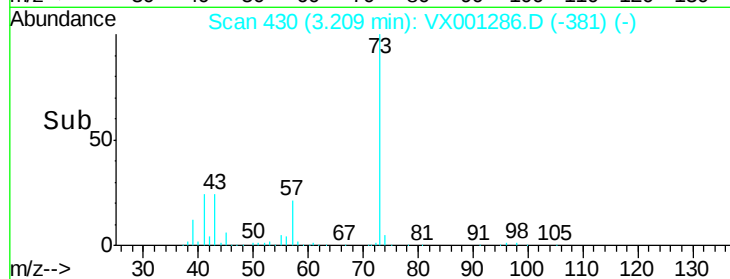
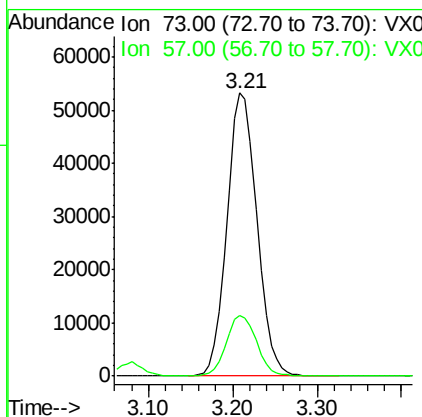
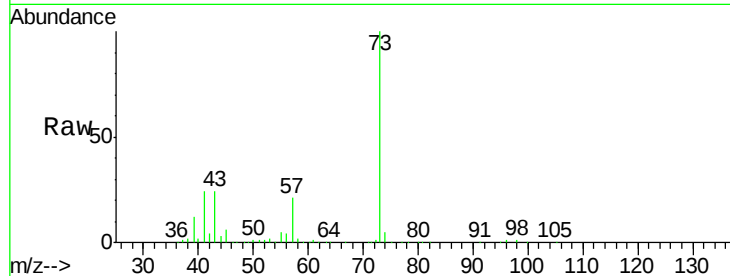
Methyl tert-butyl Ether
 Concen: 19.66 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX001286.D
 Acq: 01 May 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBS02

Tot Ion	73	Resp	128447
Ion Ratio	Lower	Upper	
73	100		
57	21.5	16.8	25.2

Manual Integrations
 APPROVED

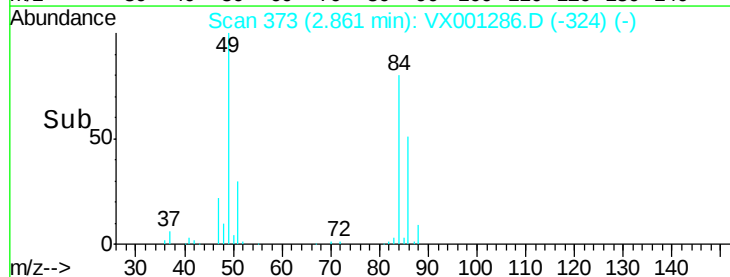
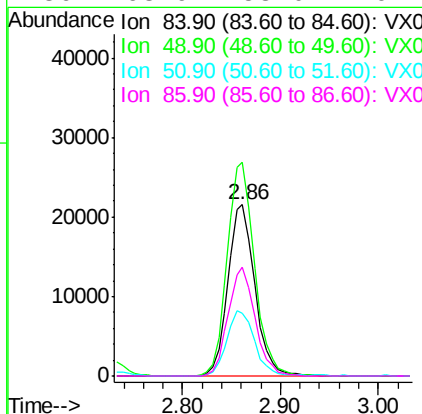
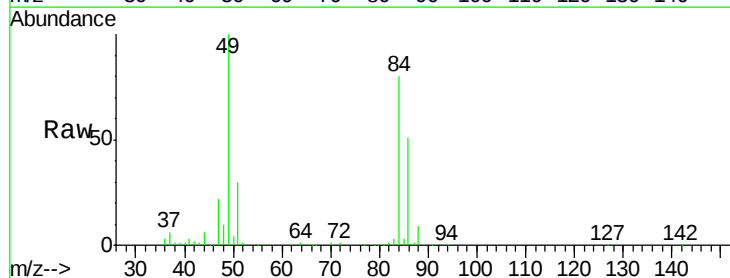
MMDadoda
 5/2/2018 4:20:56 PM

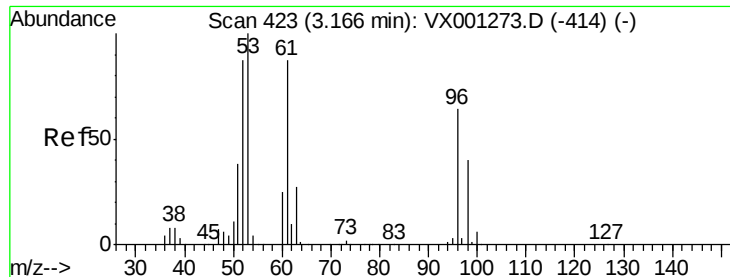


#20

Methylene Chloride
 Concen: 19.19 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX001286.D
 Acq: 01 May 2018 19:53

Tgt Ion	84	Resp	41114
Ion Ratio	Lower	Upper	
84	100		
49	124.8	102.8	154.2
51	36.9	30.9	46.3
86	63.9	53.0	79.4





#21

trans-1,2-Dichloroethene

Concen: 18.54 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Instrument :

MSVOA_X

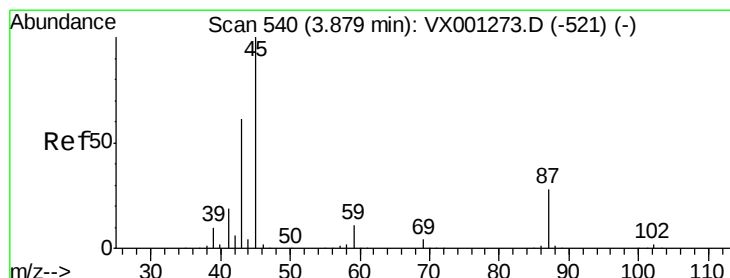
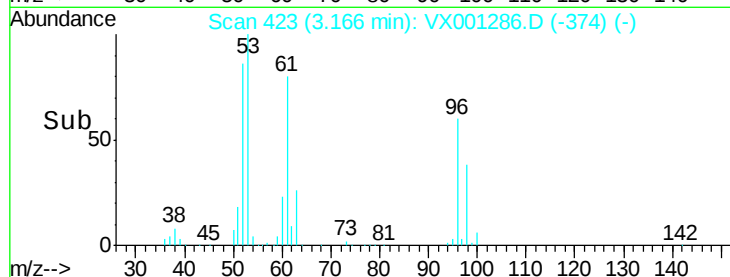
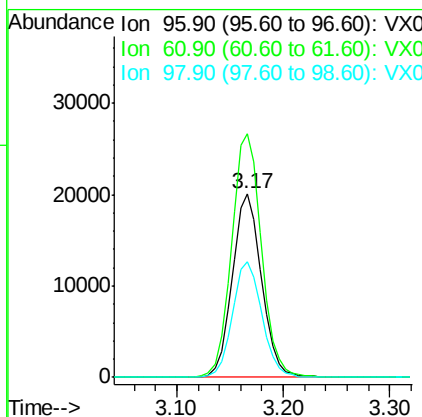
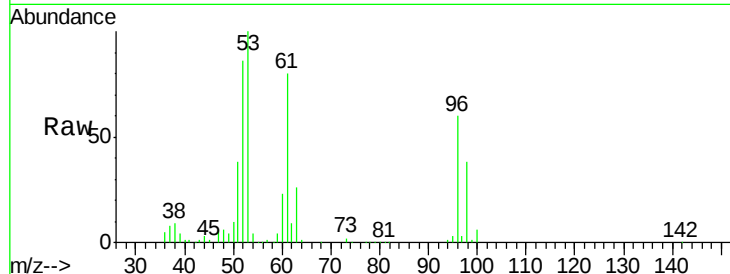
ClientSampleId :

VX0501WBS02

Tot Ion:	96	Resp:	38696
Ion	Ratio	Lower	Upper
96	100		
61	132.4	108.6	162.8
98	63.0	49.7	74.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 17.97 ug/l

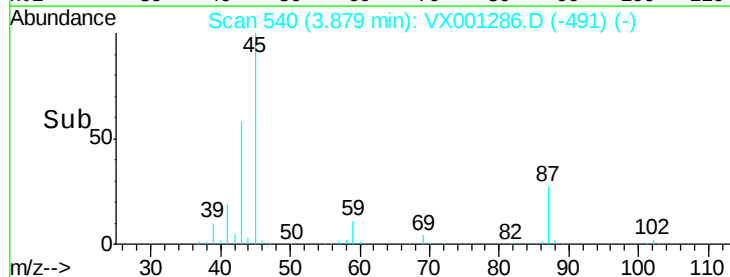
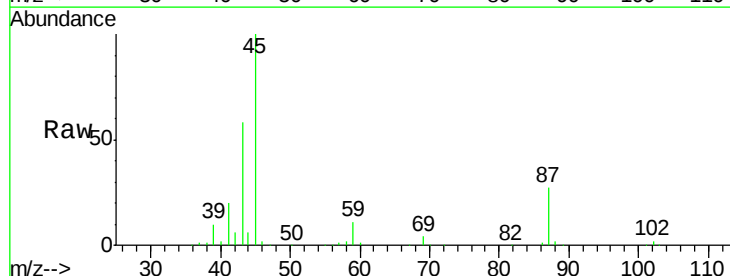
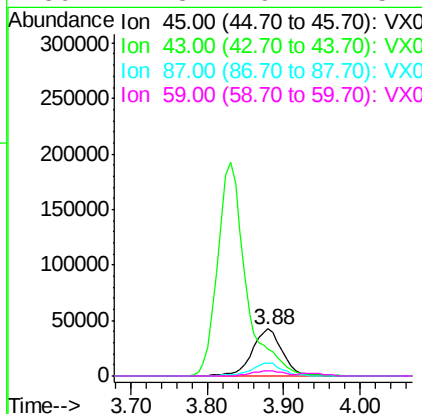
RT: 3.88 min Scan# 540

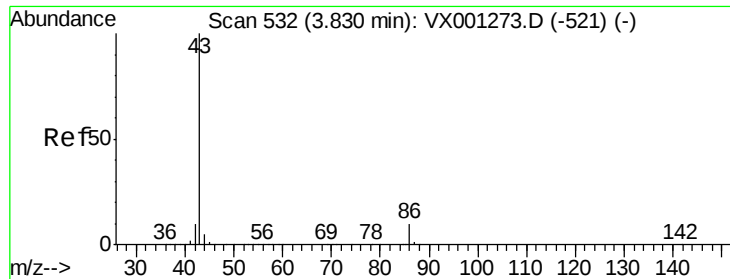
Delta R.T. 0.00 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Tgt Ion:	45	Resp:	116133
Ion	Ratio	Lower	Upper
45	100		
43	57.1	48.7	73.1
87	27.5	22.2	33.4
59	11.3	9.1	13.7





#23

Vinyl Acetate

Concen: 90.44 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS02

Tot Ion: 43 Resp: 495330

Ion Ratio Lower Upper

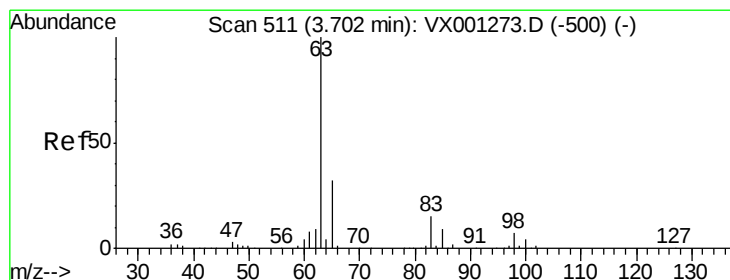
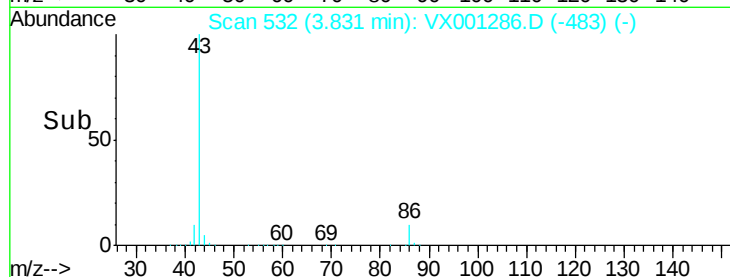
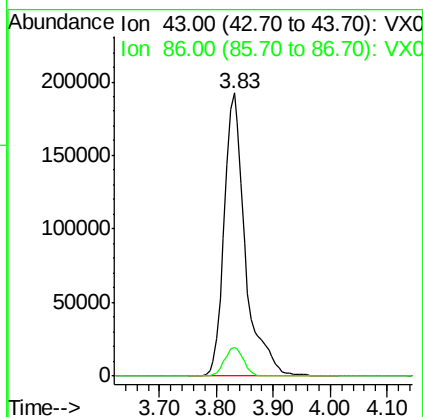
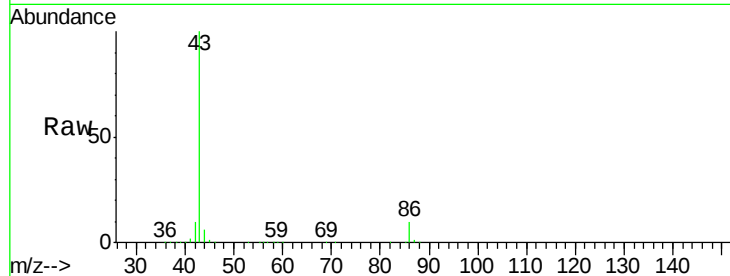
43 100

86 10.3 8.2 12.4

Manual Integrations
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5/2/2018 4:20:56 PM



#24

1,1-Dichloroethane

Concen: 19.90 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

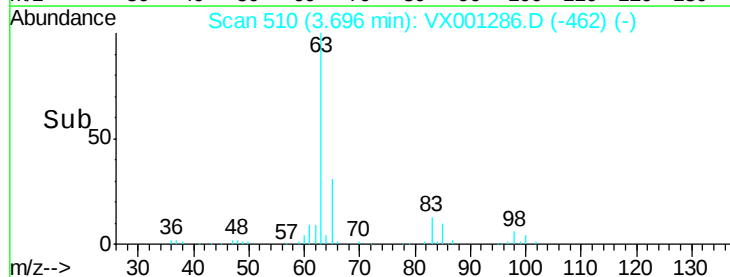
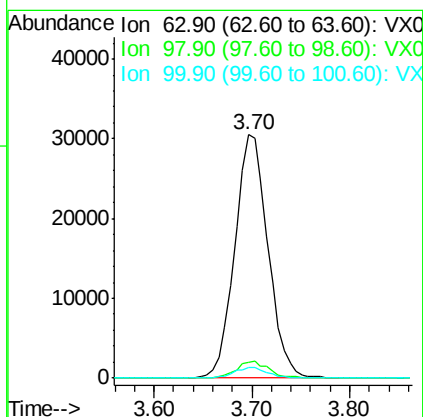
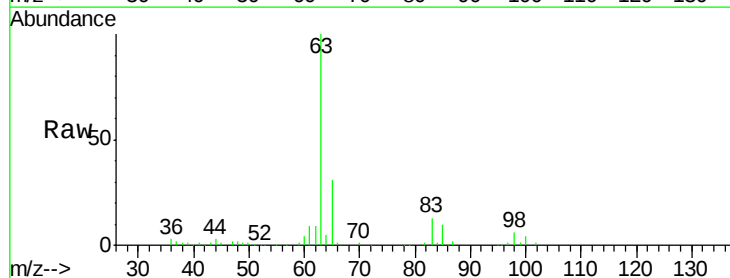
Tgt Ion: 63 Resp: 71629

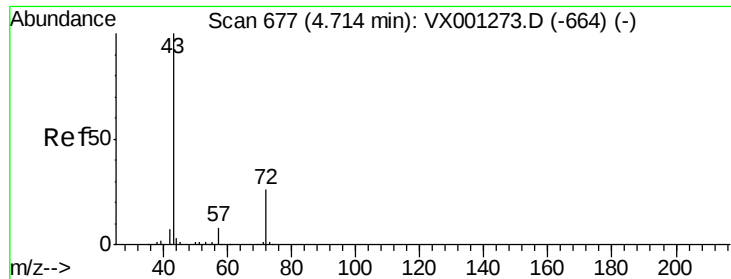
Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.5

100 4.5 2.3 6.8





#25

2-Butanone

Concen: 97.78 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS02

Tot Ion: 43 Resp: 149370

Ion Ratio Lower Upper

43 100

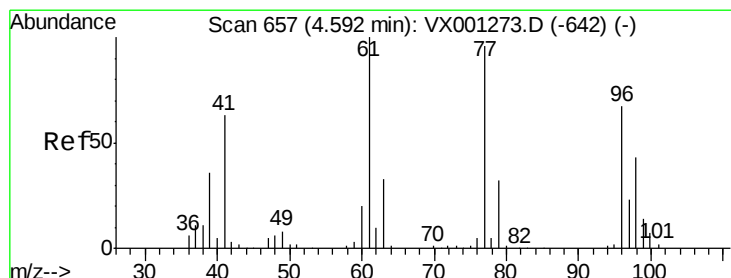
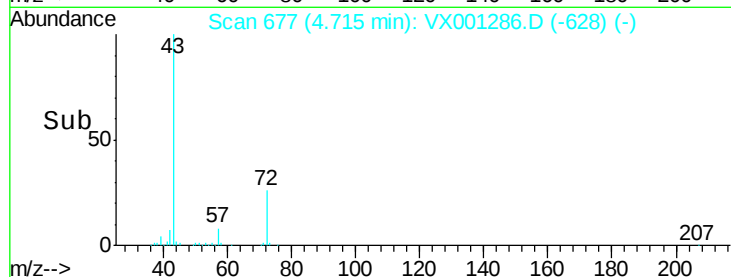
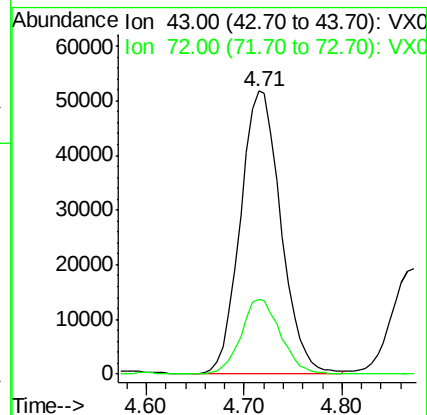
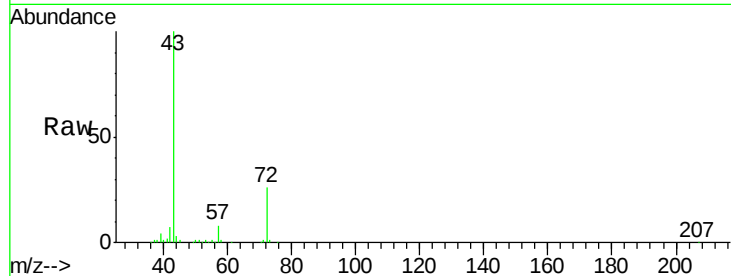
72 26.3 20.5 30.7

Manual Integrations

APPROVED

MMDadoda

5/2/2018 4:20:56 PM



#26

2,2-Dichloropropane

Concen: 17.34 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX001286.D

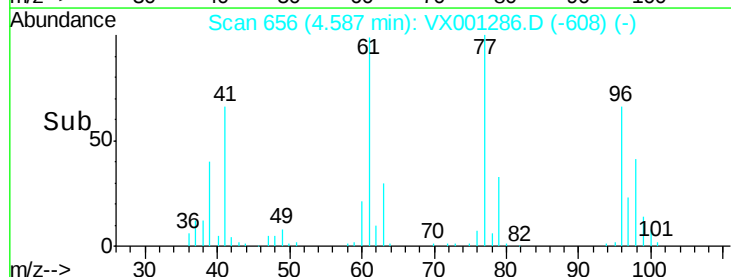
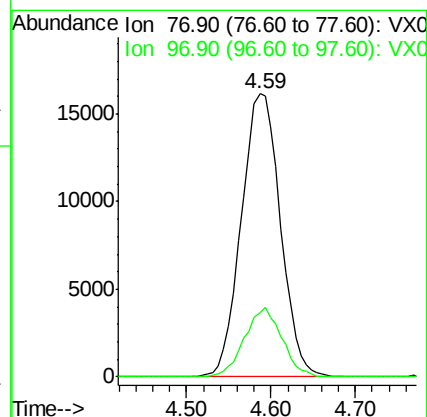
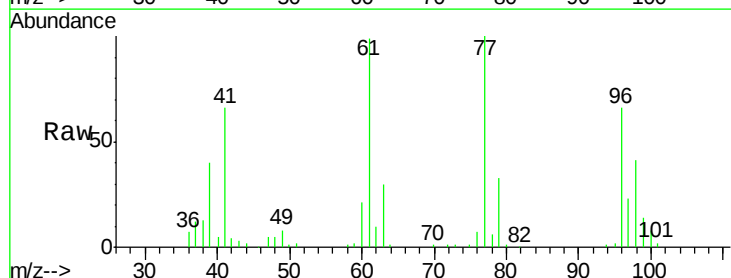
Acq: 01 May 2018 19:53

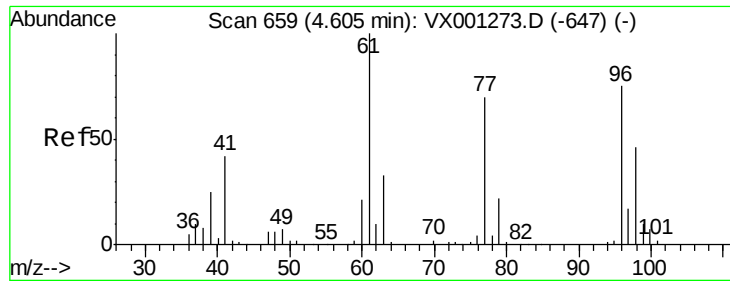
Tgt Ion: 77 Resp: 50795

Ion Ratio Lower Upper

77 100

97 23.5 11.8 35.3





#27

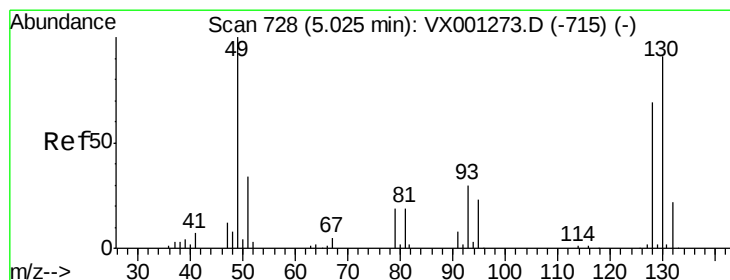
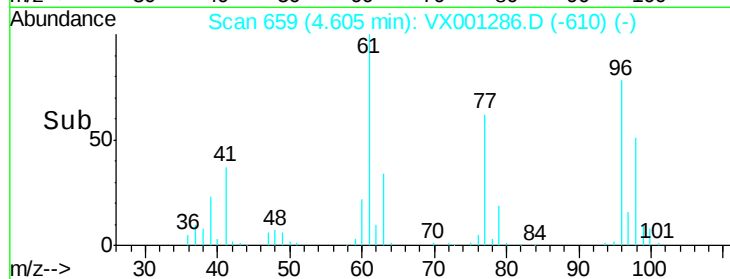
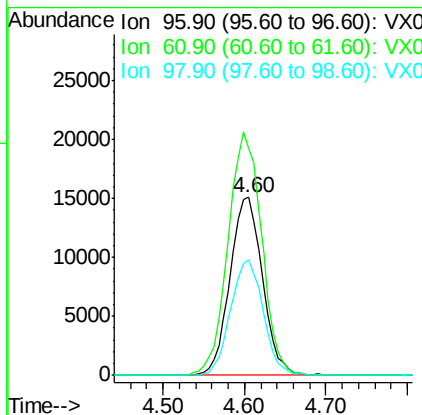
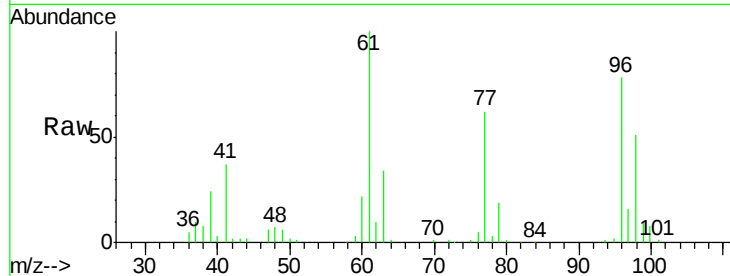
cis-1,2-Dichloroethene
Concen: 18.14 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX001286.D
Acq: 01 May 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	41614		
61	141.5	0.0	288.0	
98	64.9	0.0	130.2	

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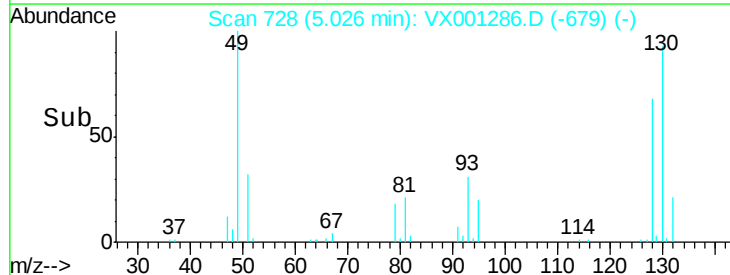
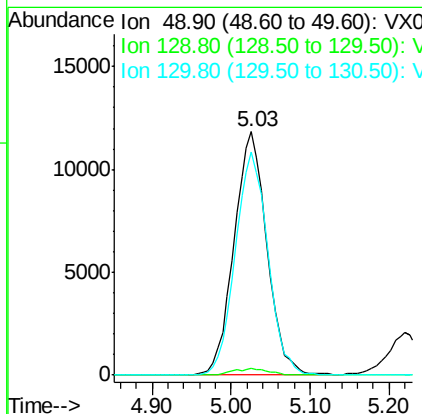
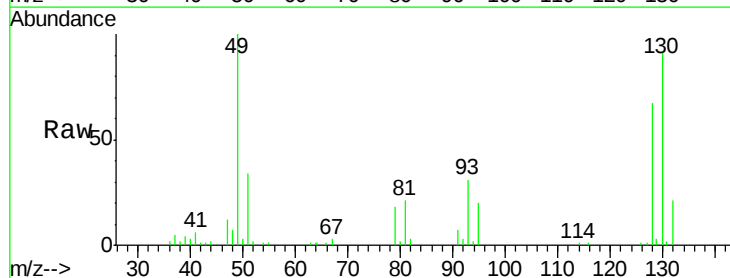
MMDadoda
5/2/2018 4:20:56 PM

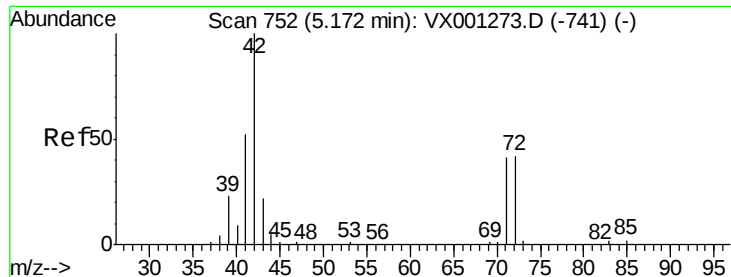


#28

Bromochloromethane
Concen: 21.17 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX001286.D
Acq: 01 May 2018 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	34260		
129	2.7	0.0	4.8	
130	90.9	70.4	105.6	





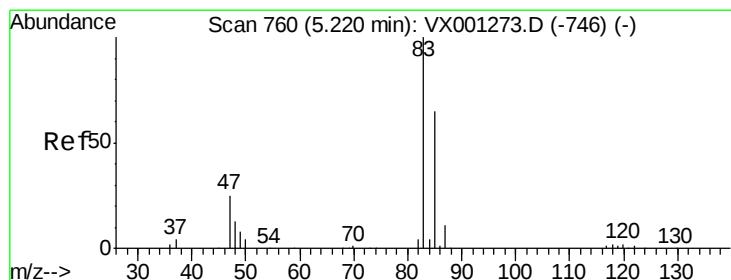
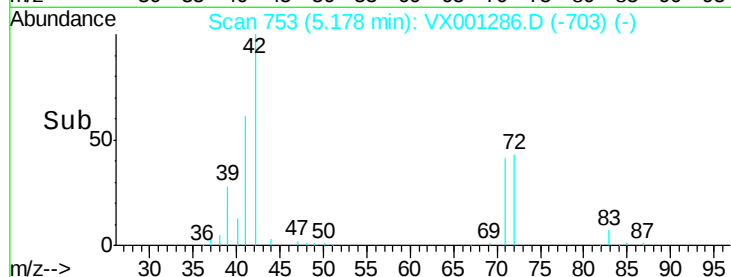
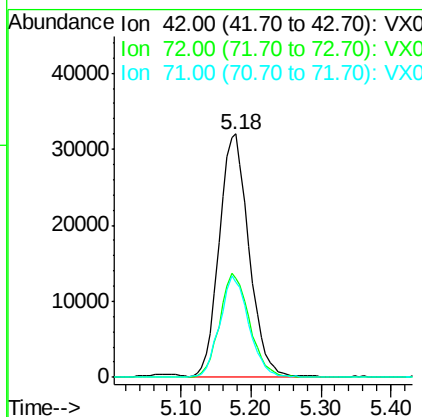
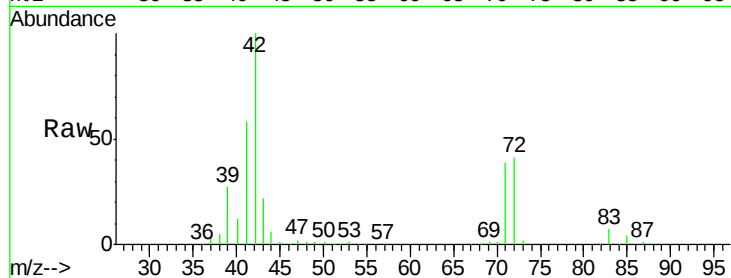
#29
Tetrahydrofuran
Concen: 100.59 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX001286.D
Acq: 01 May 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.6	52.0
71	40.6	32.7	49.1

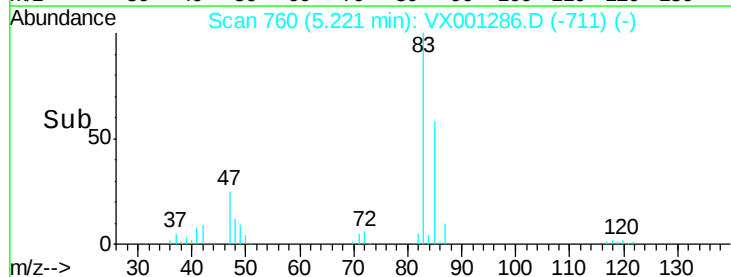
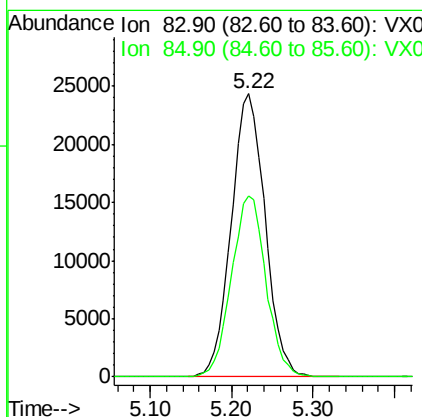
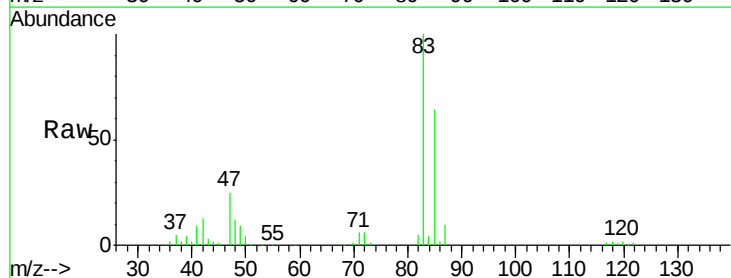
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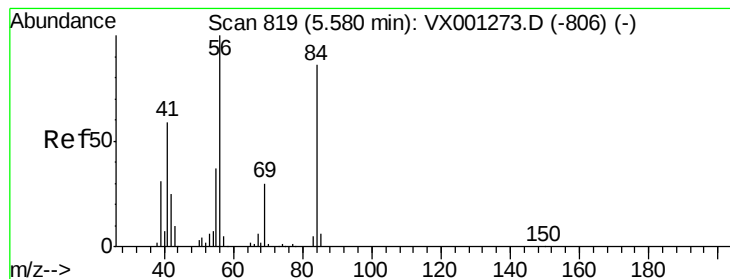
MMDadoda
5/2/2018 4:20:56 PM



#30
Chloroform
Concen: 18.39 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001286.D
Acq: 01 May 2018 19:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.2	78.2





#31

Cyclohexane

Concen: 17.88 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Instrument :

MSVOA_X

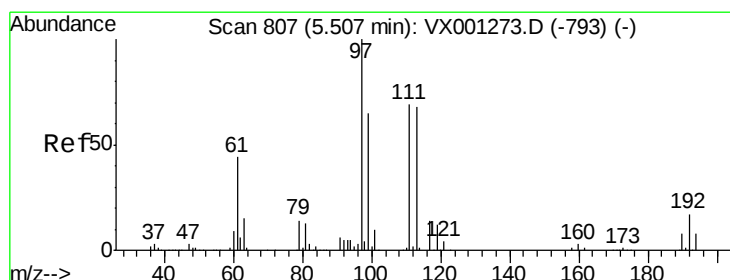
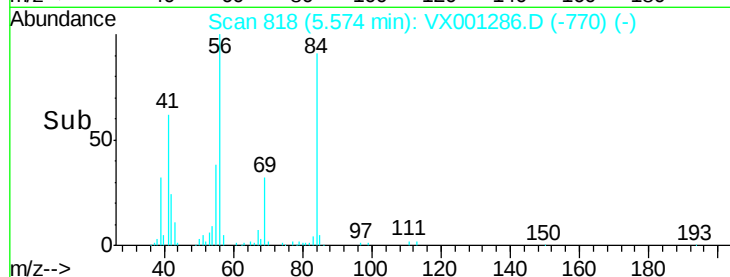
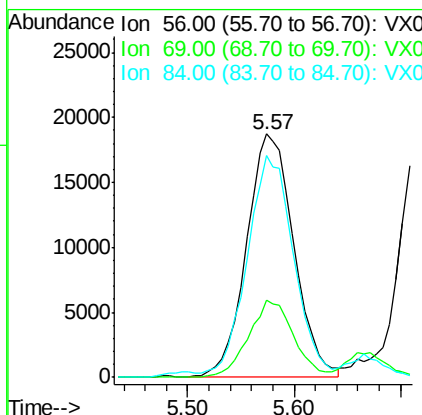
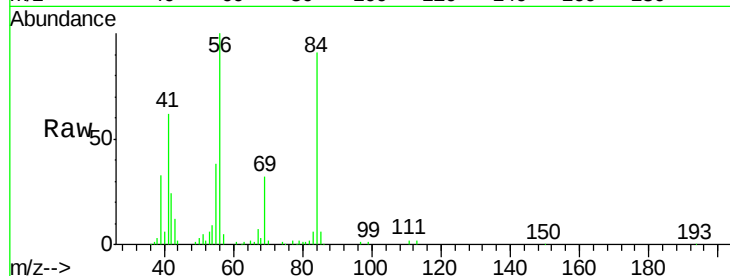
ClientSampleId :

VX0501WBS02

Tot Ion:	56	Resp:	58138
Ion	Ratio	Lower	Upper
56	100		
69	31.7	24.0	36.0
84	89.0	69.0	103.4

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#32

1,1,1-Trichloroethane

Concen: 17.91 ug/l

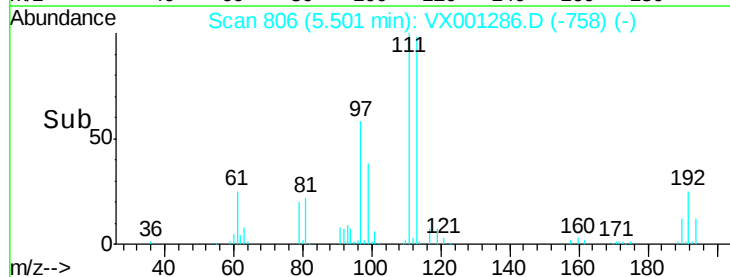
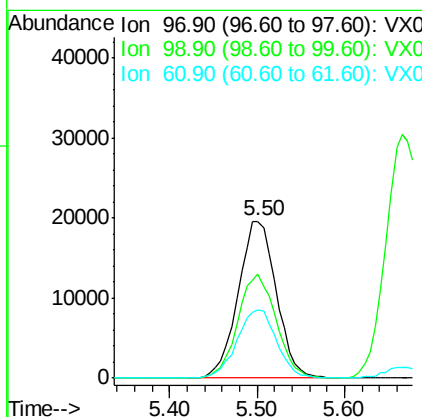
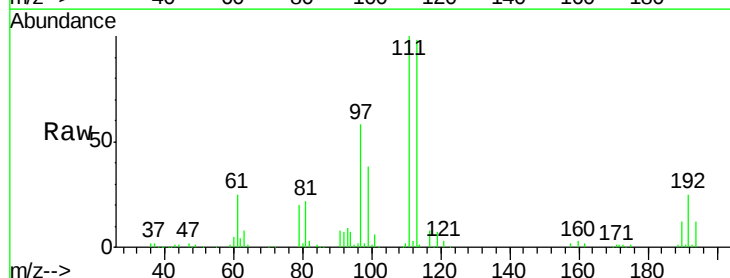
RT: 5.50 min Scan# 806

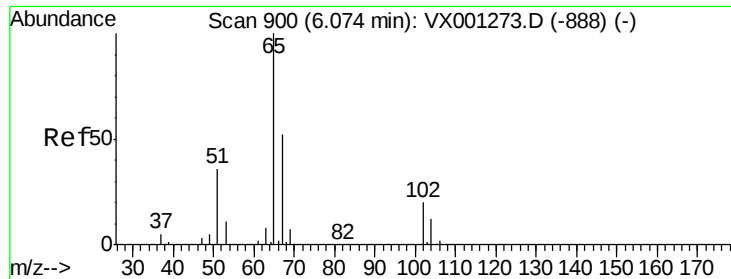
Delta R.T. -0.01 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Tgt Ion:	97	Resp:	59567
Ion	Ratio	Lower	Upper
97	100		
99	66.1	51.8	77.6
61	45.2	35.4	53.2





#33

1,2-Dichloroethane-d4

Concen: 46.47 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS02

Tot Ion: 65 Resp: 123005

Ion Ratio Lower Upper

65 100

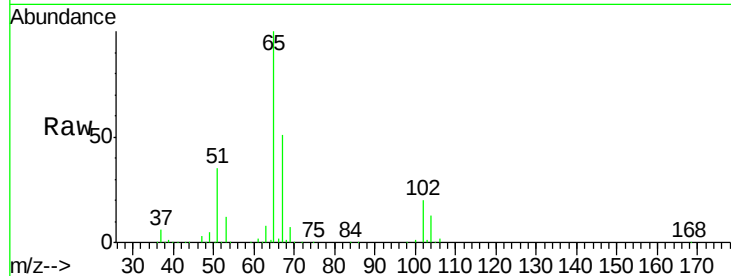
67 52.0 0.0 102.8

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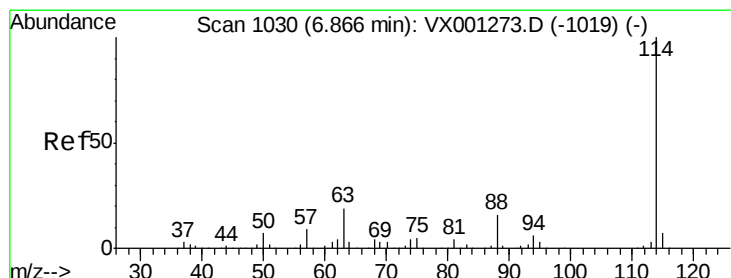
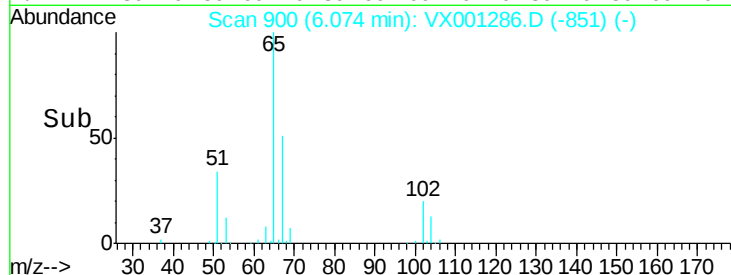
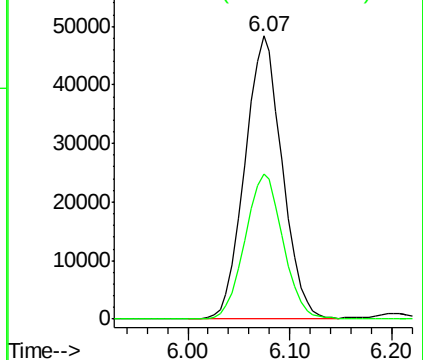
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

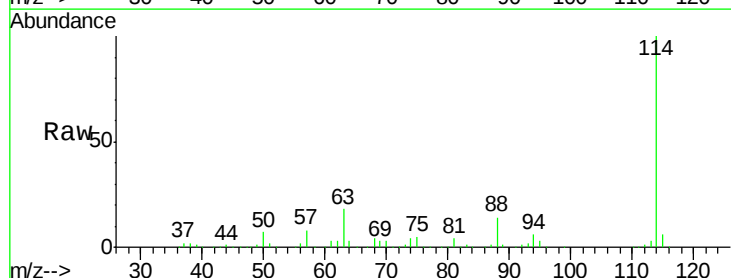
Tgt Ion: 114 Resp: 250053

Ion Ratio Lower Upper

114 100

63 17.8 0.0 38.8

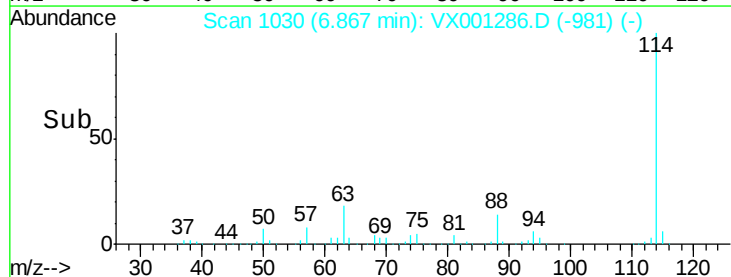
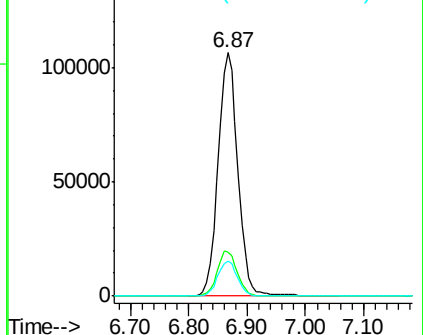
88 14.3 0.0 32.2

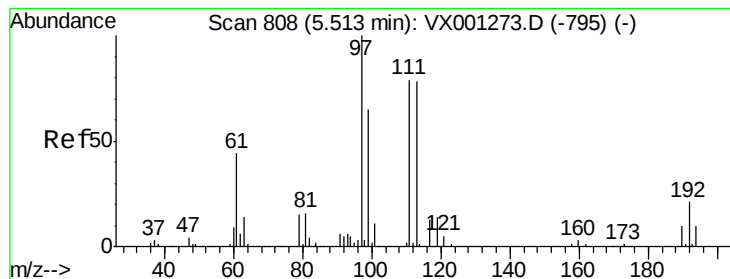


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.02 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Instrument :

MSVOA_X

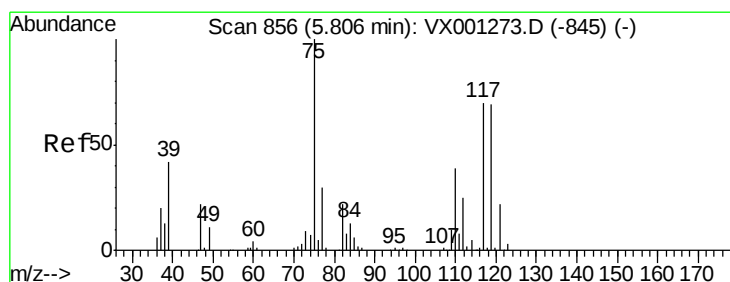
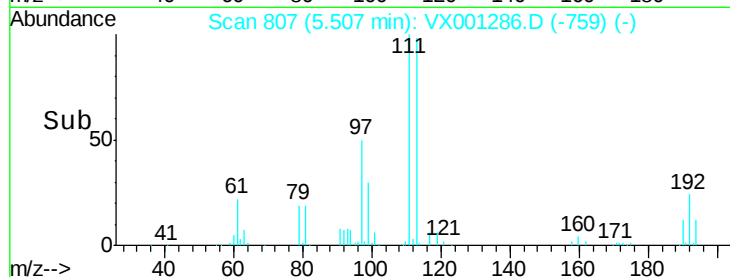
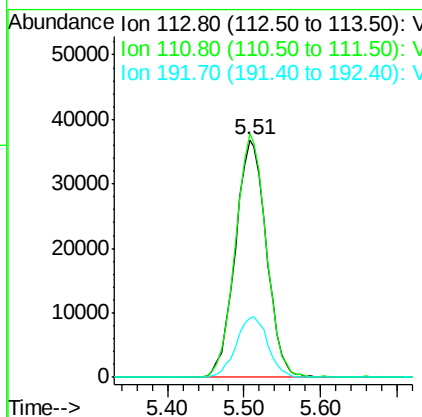
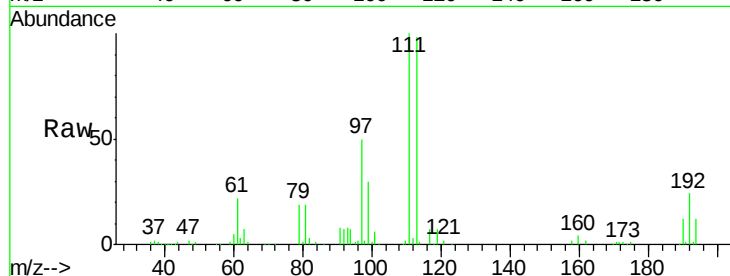
ClientSampleId :

VX0501WBS02

Tot Ion:	113	Resp:	103443
Ion Ratio	Lower	Upper	
113	100		
111	101.1	81.2	121.8
192	25.8	20.7	31.1

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#36

1,1-Dichloropropene

Concen: 17.71 ug/l

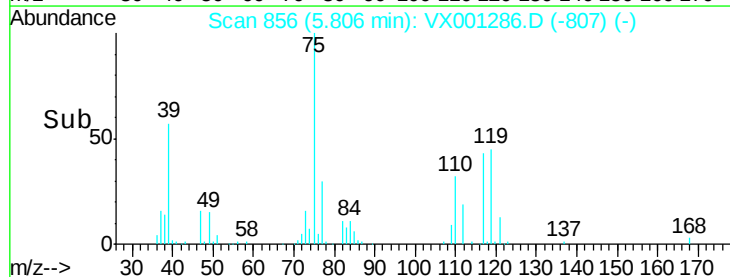
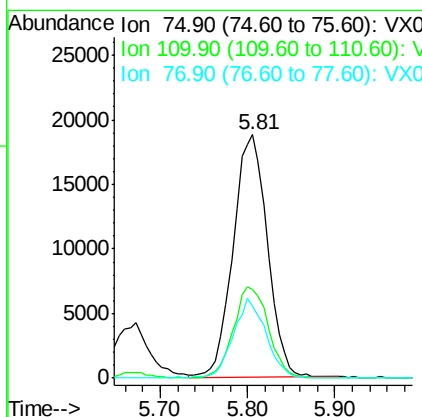
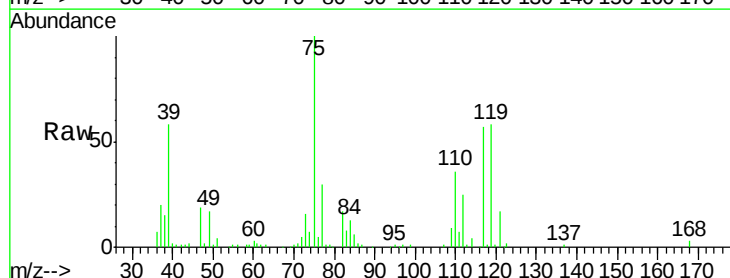
RT: 5.81 min Scan# 856

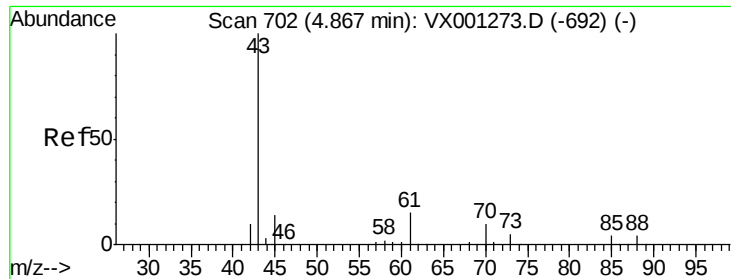
Delta R.T. 0.00 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Tgt Ion:	75	Resp:	51108
Ion Ratio	Lower	Upper	
75	100		
110	38.3	18.9	56.9
77	31.4	24.2	36.2





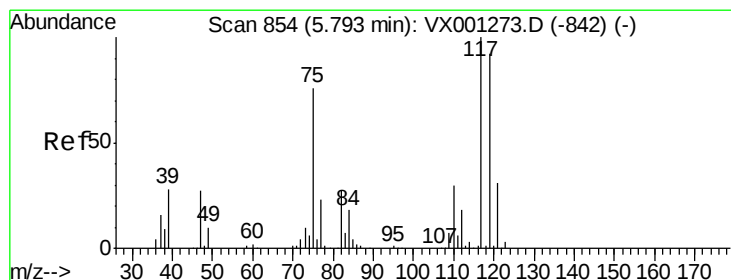
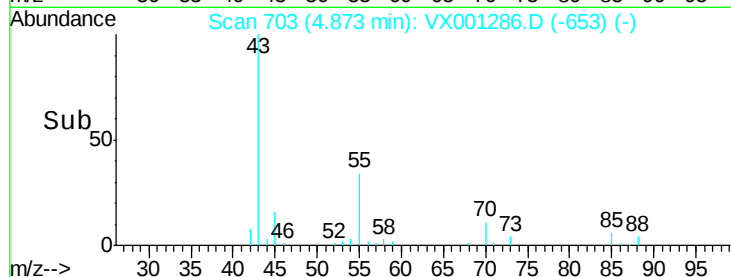
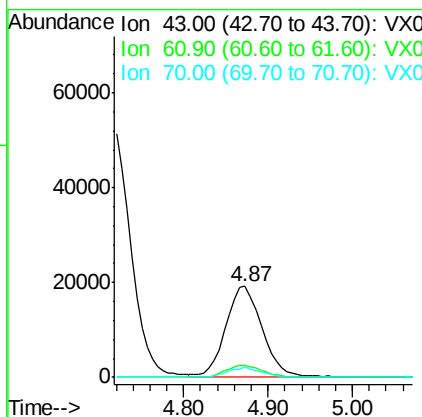
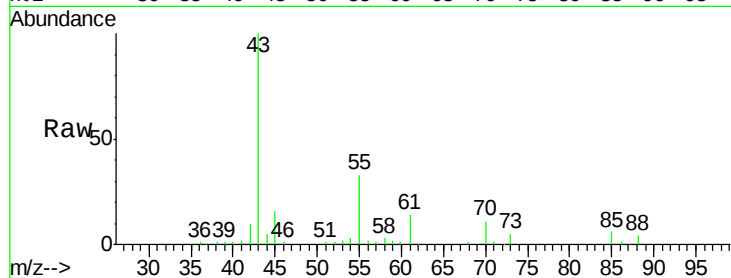
#37
Ethyl Acetate
Concen: 19.18 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX001286.D
Acq: 01 May 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	10.0	8.0	12.0

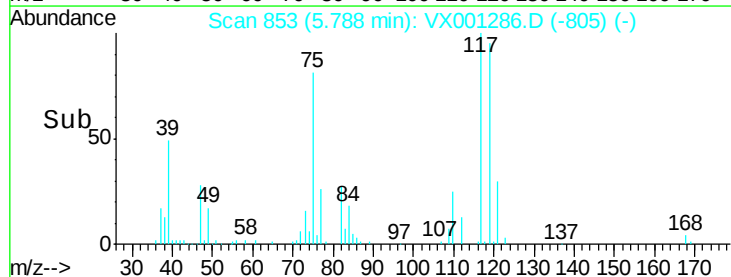
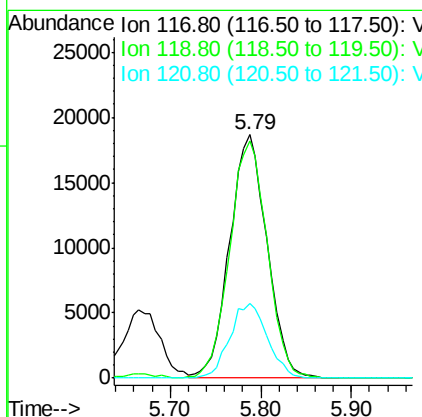
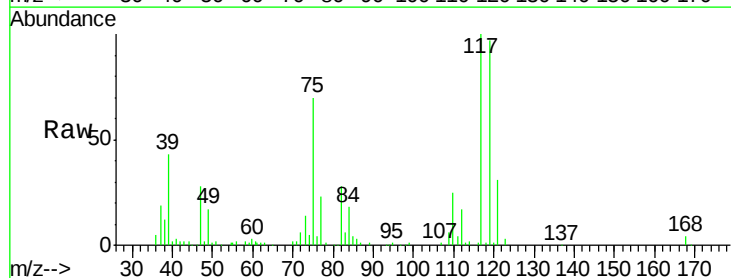
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#38
Carbon Tetrachloride
Concen: 17.69 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX001286.D
Acq: 01 May 2018 19:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	73.4	110.2
121	30.6	25.0	37.4





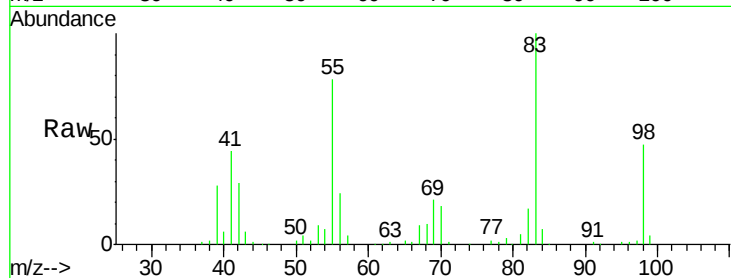
#39
Methvlcvclohexane
Concen: 18.09 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VX001286.D
Acq: 01 May 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBS02

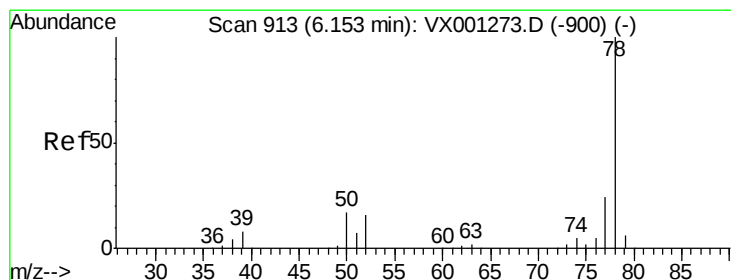
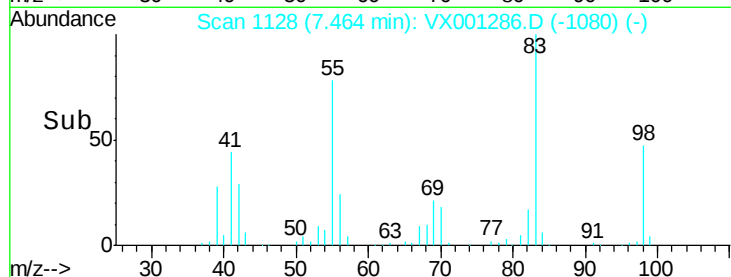
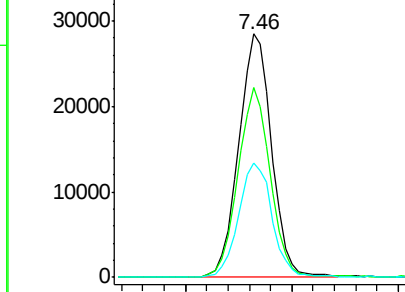
Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	60.4	90.6
98	46.8	37.0	55.6

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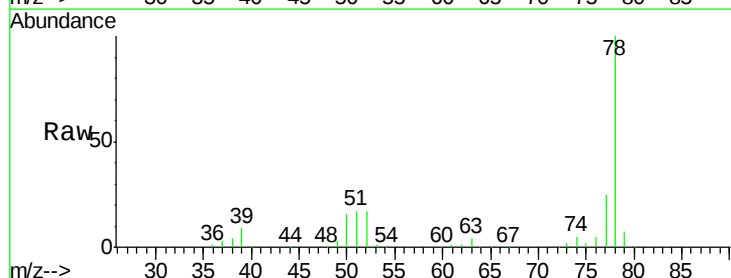


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

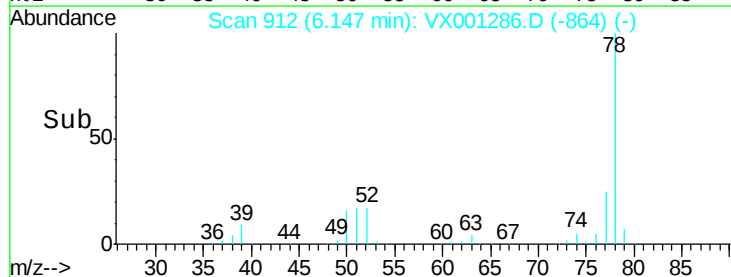
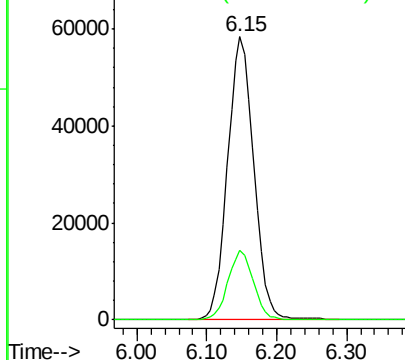


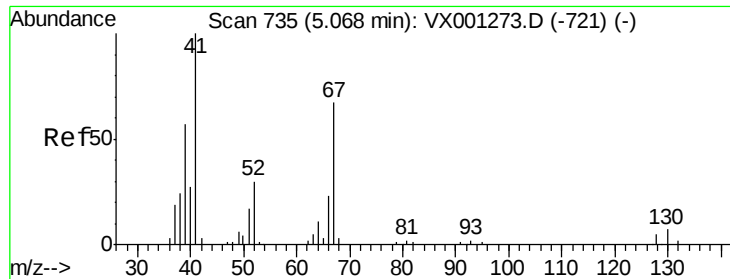
#40
Benzene
Concen: 18.34 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.01 min
Lab File: VX001286.D
Acq: 01 May 2018 19:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.0	28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





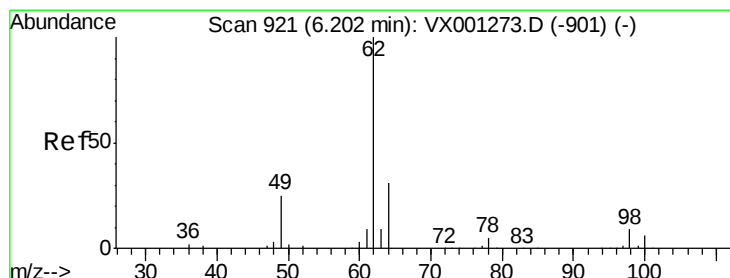
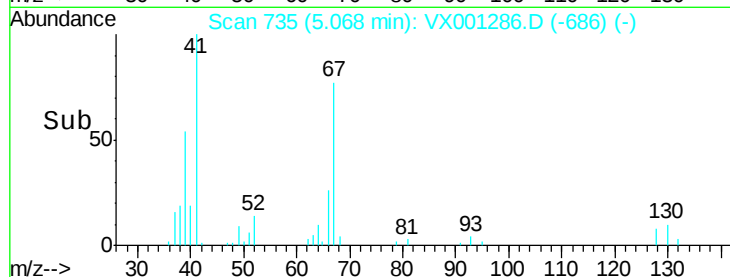
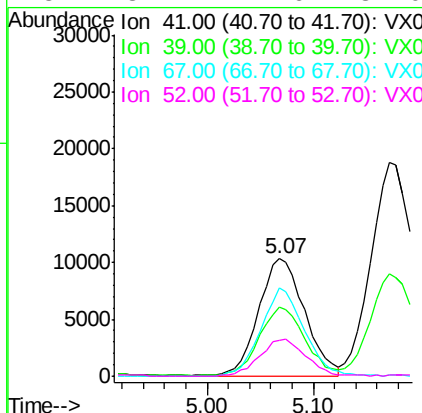
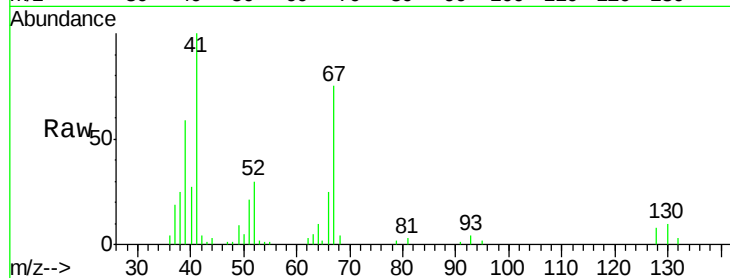
#41
Methacrylonitrile
Concen: 18.20 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX001286.D
Acq: 01 May 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.6	45.8	68.8
67	71.0	54.8	82.2
52	32.2	24.6	37.0

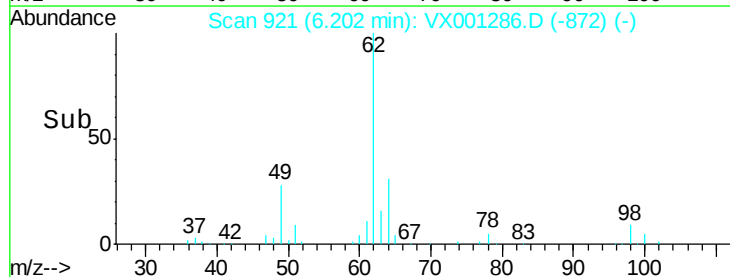
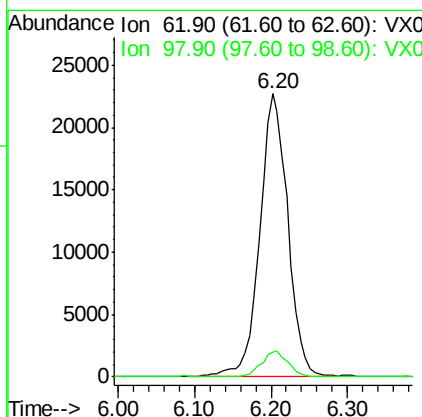
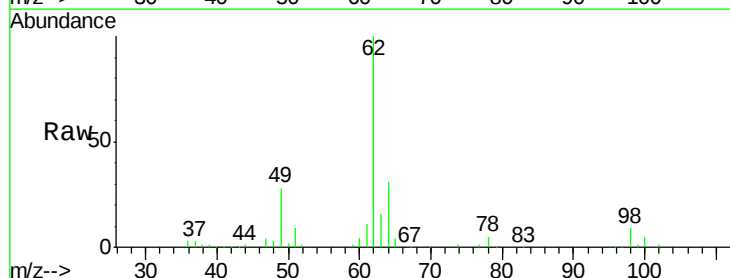
Manual Integrations
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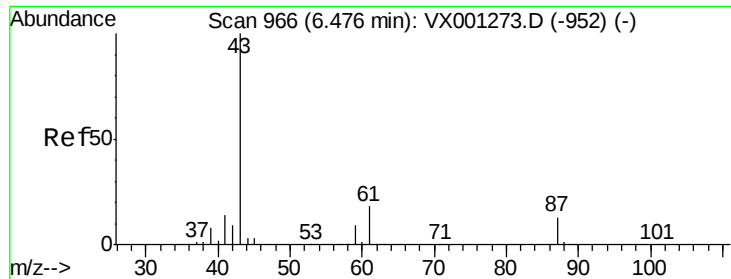
MMDadoda
5/2/2018 4:20:56 PM



#42
1,2-Dichloroethane
Concen: 18.09 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX001286.D
Acq: 01 May 2018 19:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.2





#43

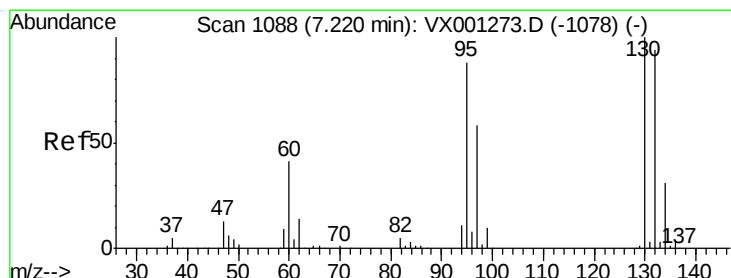
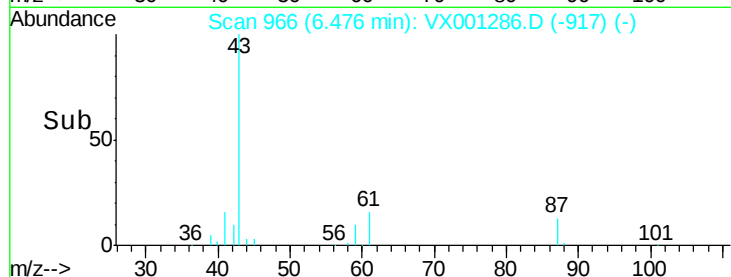
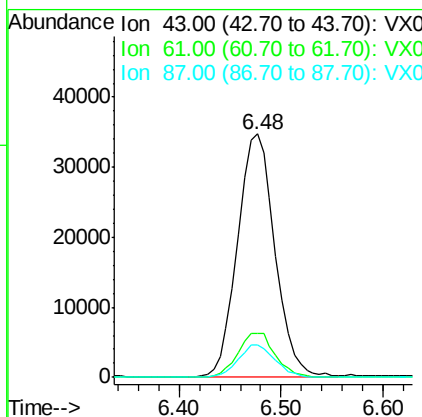
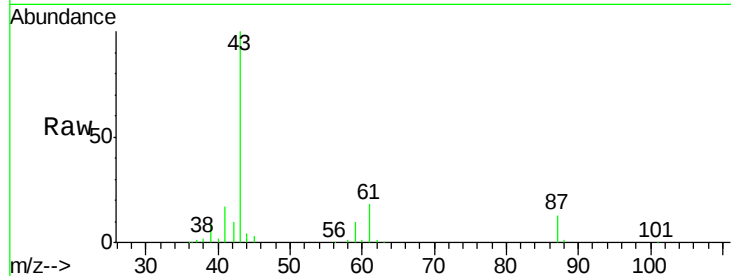
Isopropyl Acetate
 Concen: 18.64 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX001286.D
 Acq: 01 May 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.0	22.4
87	13.2	10.2	15.4

Manual Integrations
 APPROVED

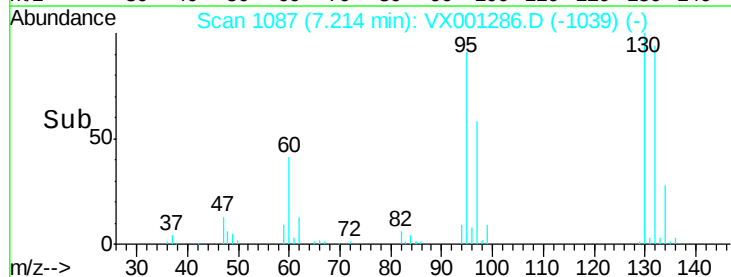
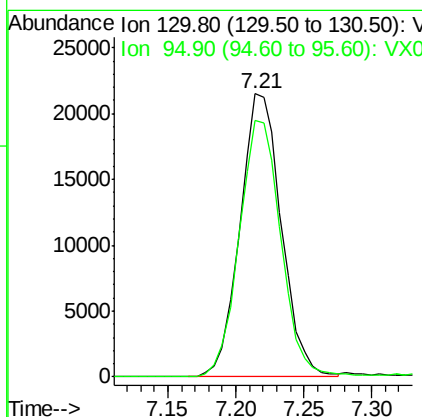
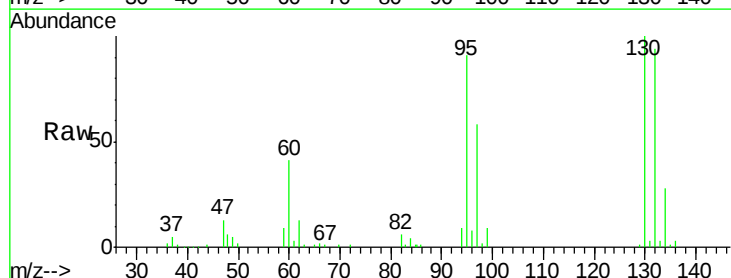
MMDadoda
 5/2/2018 4:20:56 PM

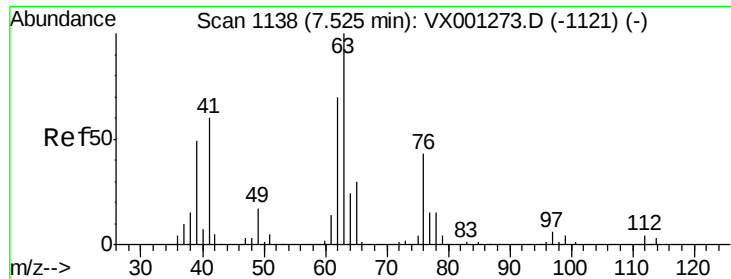


#44

Trichloroethene
 Concen: 17.98 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX001286.D
 Acq: 01 May 2018 19:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.7	0.0	176.0





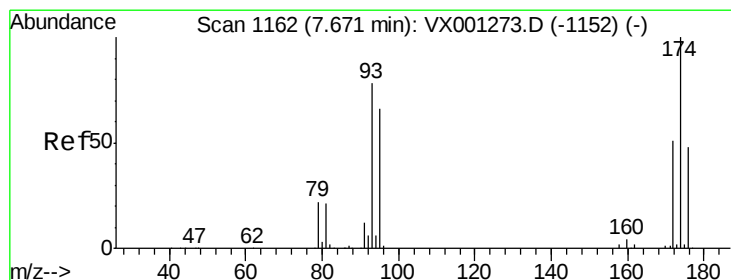
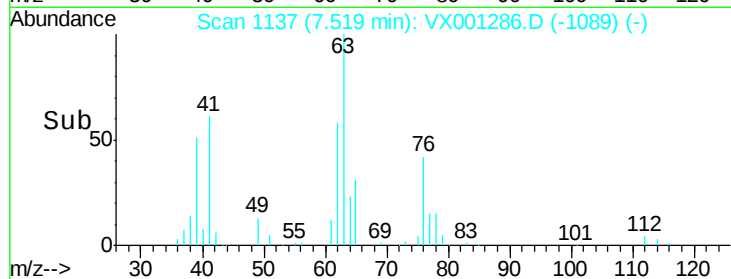
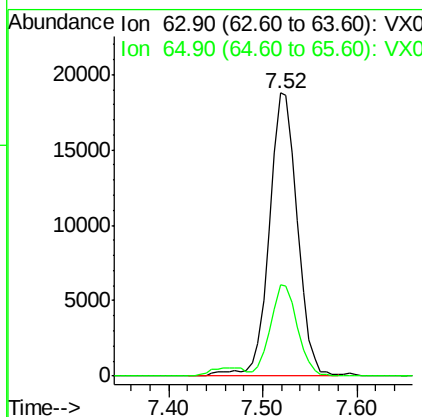
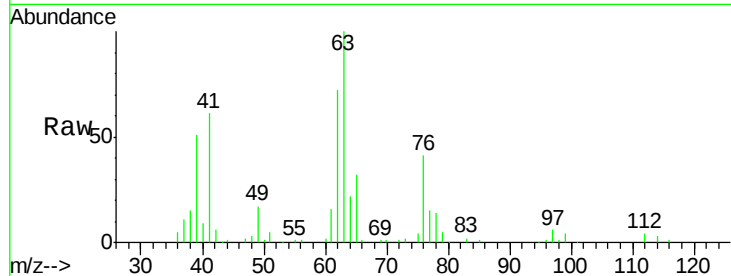
#45
 1,2-Dichloropropane
 Concen: 18.35 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX001286.D
 Acq: 01 May 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBS02

Tot Ion: 63 Resp: 39119
 Ion Ratio Lower Upper
 63 100
 65 32.4 24.2 36.4

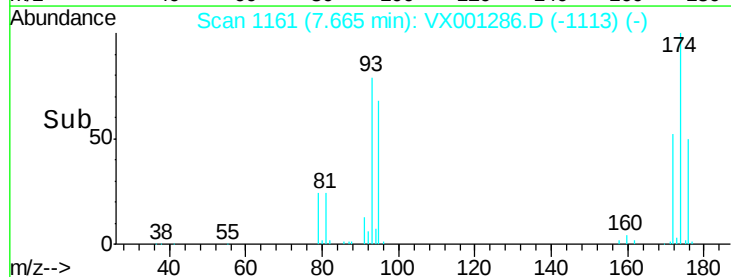
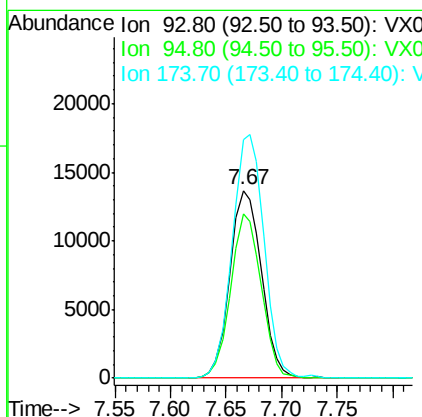
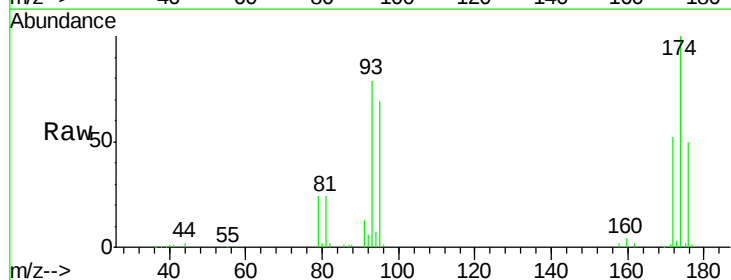
Manual Integrations
 APPROVED

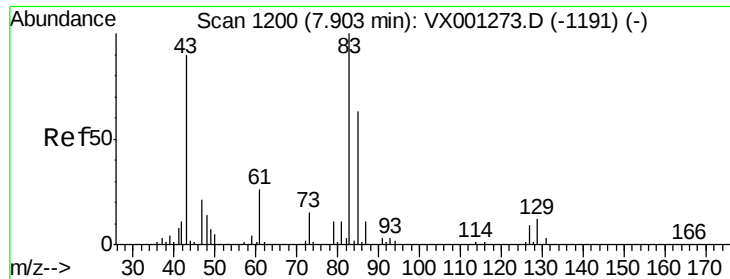
MMDadoda
 5/2/2018 4:20:56 PM



#46
 Dibromomethane
 Concen: 18.03 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: VX001286.D
 Acq: 01 May 2018 19:53

Tgt Ion: 93 Resp: 26942
 Ion Ratio Lower Upper
 93 100
 95 84.3 67.0 100.6
 174 130.3 102.3 153.5





#47

Bromodichloromethane

Concen: 18.11 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Instrument :

MSVOA_X

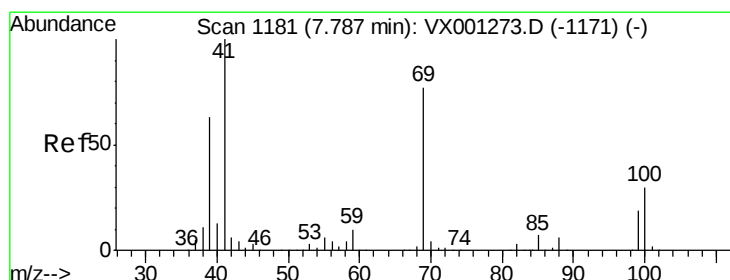
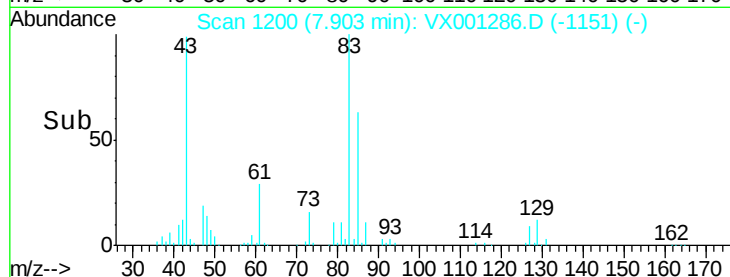
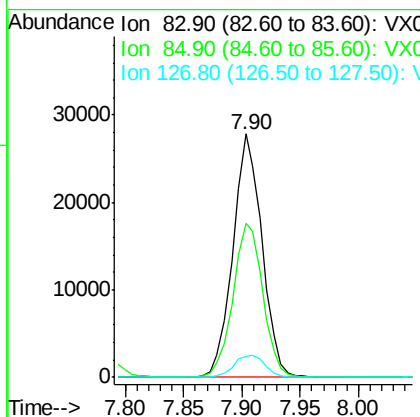
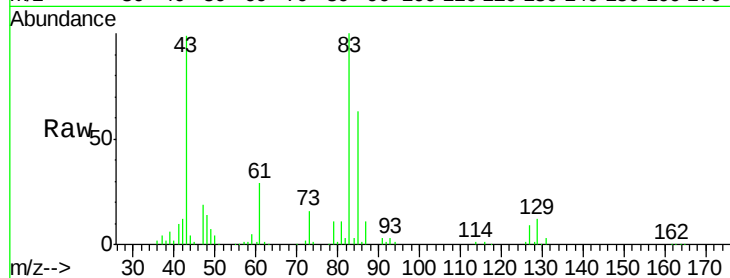
ClientSampleId :

VX0501WBS02

Tot Ion:	83	Resp:	48399
Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.3	75.5
127	8.7	7.4	11.2

Manual Integrations
APPROVED

MMDadoda
5/2/2018 4:20:56 PM



#48

Methyl methacrylate

Concen: 18.26 ug/l

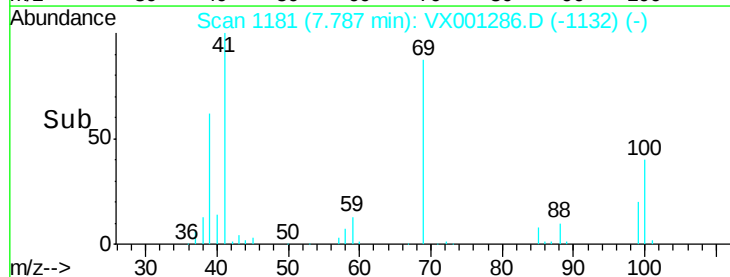
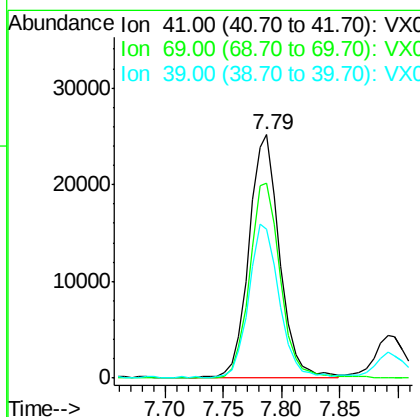
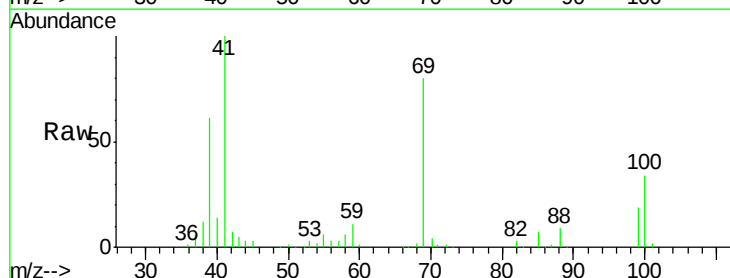
RT: 7.79 min Scan# 1181

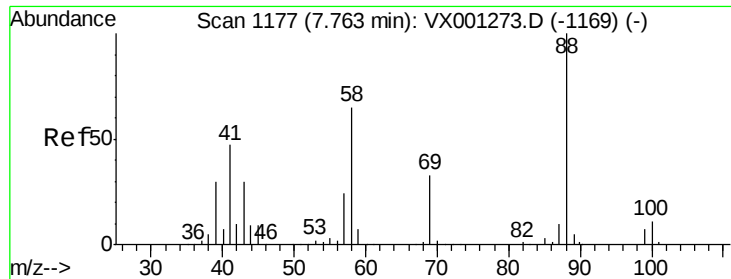
Delta R.T. 0.00 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Tgt Ion:	41	Resp:	45799
Ion	Ratio	Lower	Upper
41	100		
69	81.6	63.0	94.6
39	63.6	50.2	75.4





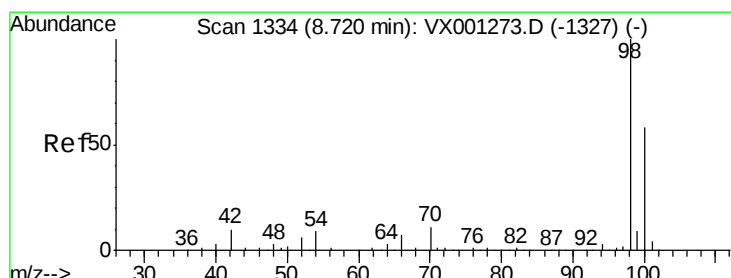
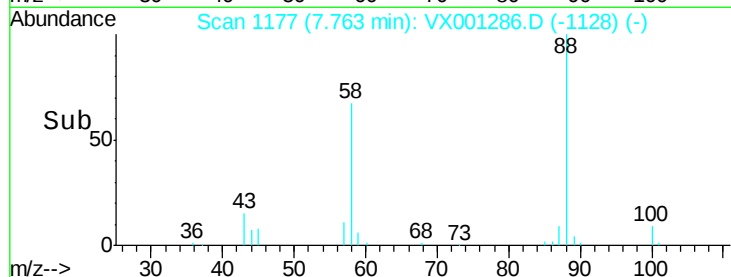
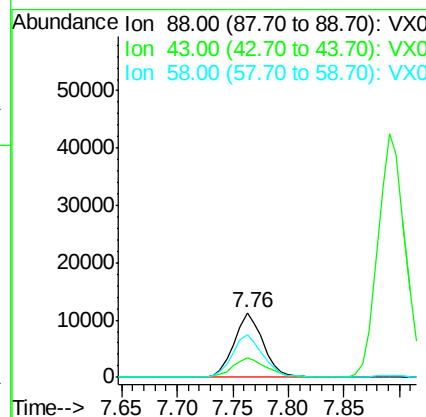
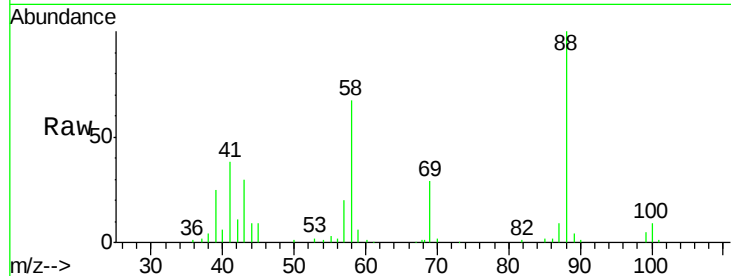
#49
 1,4-Dioxane
 Concen: 432.06 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: VX001286.D
 Acq: 01 May 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.7	27.9	41.9
58	69.7	54.2	81.2

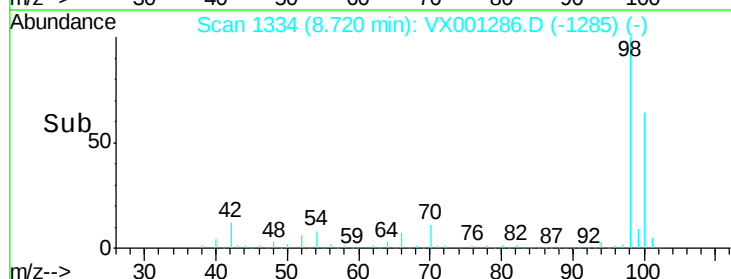
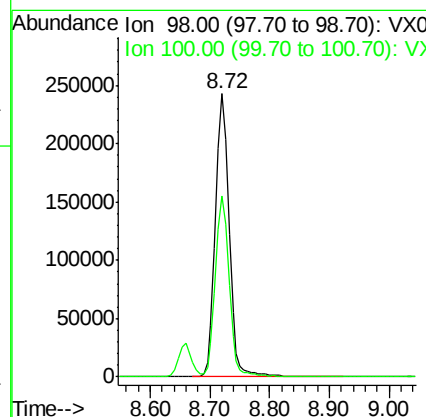
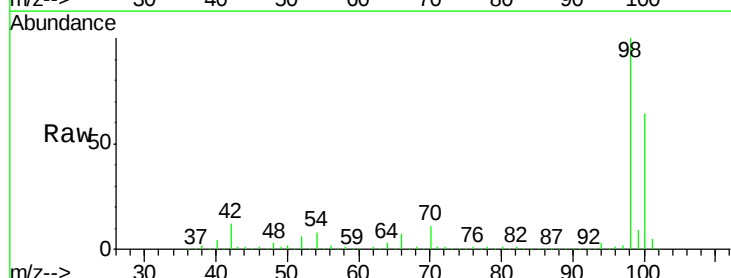
Manual Integrations
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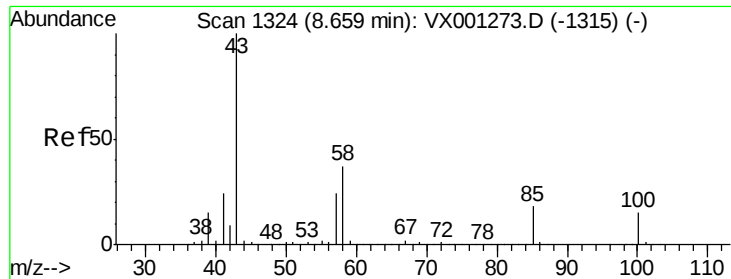
MMDadoda
 5/2/2018 4:20:56 PM



#50
 Toluene-d8
 Concen: 50.16 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX001286.D
 Acq: 01 May 2018 19:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 99.02 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS02

Tot Ion: 43 Resp: 301179

Ion Ratio Lower Upper

43 100

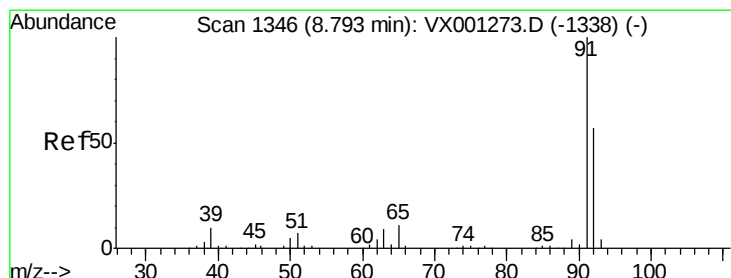
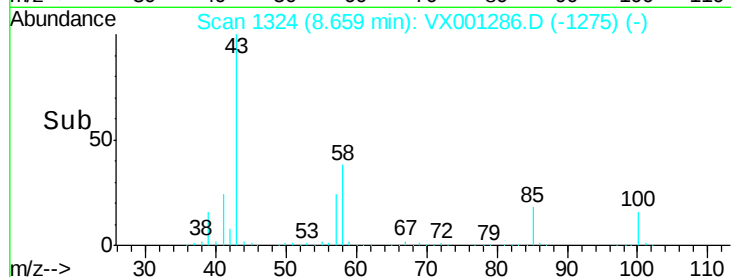
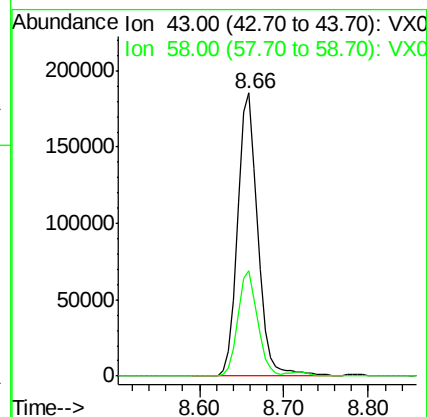
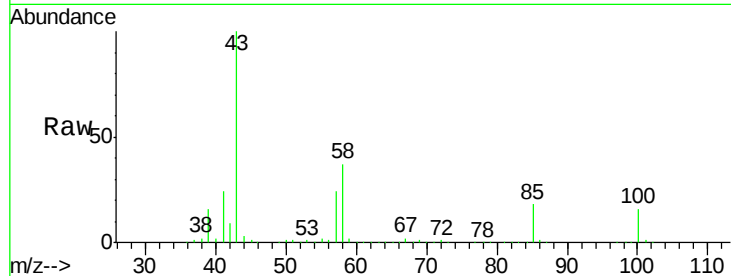
58 36.3 29.0 43.6

Manual Integrations

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MMDadoda

5/2/2018 4:20:56 PM



#52

Toluene

Concen: 18.24 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX001286.D

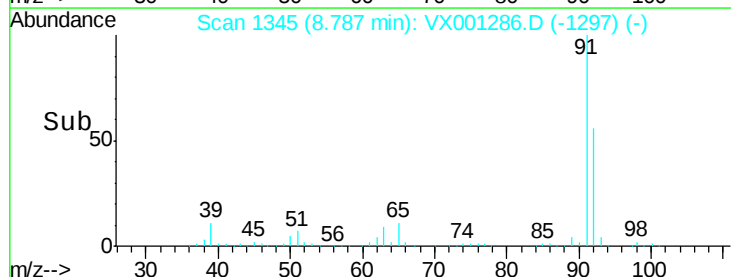
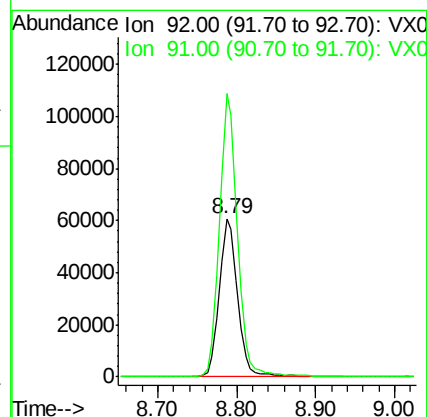
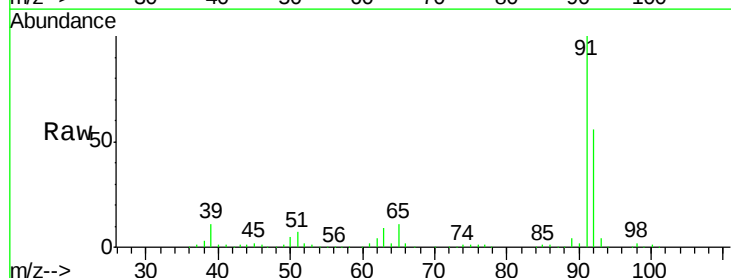
Acq: 01 May 2018 19:53

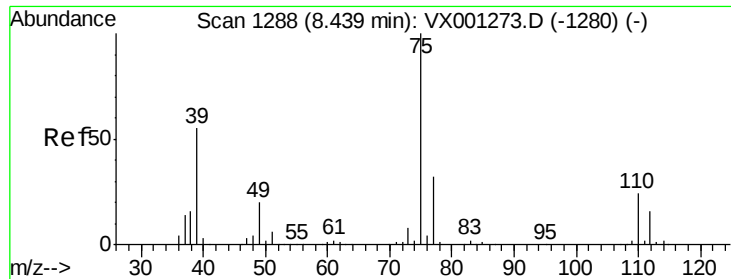
Tgt Ion: 92 Resp: 98980

Ion Ratio Lower Upper

92 100

91 175.6 139.0 208.6





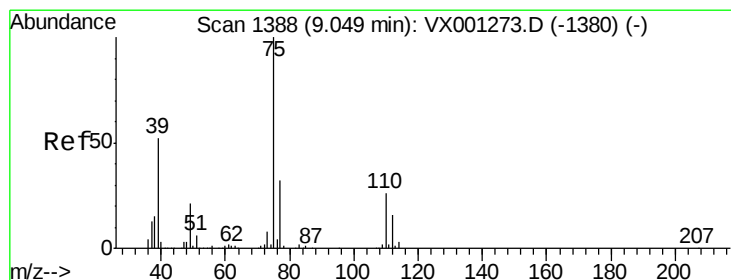
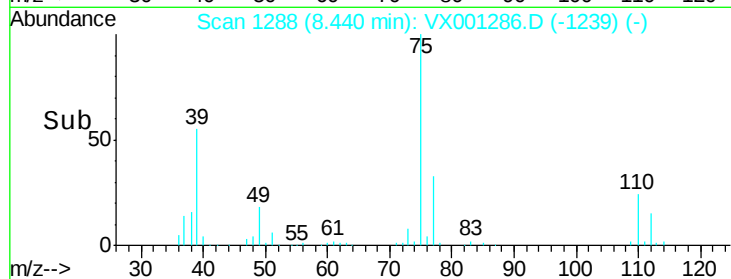
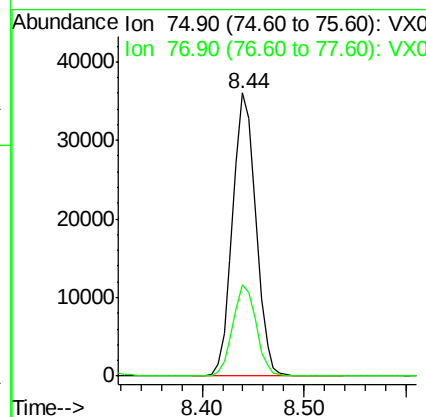
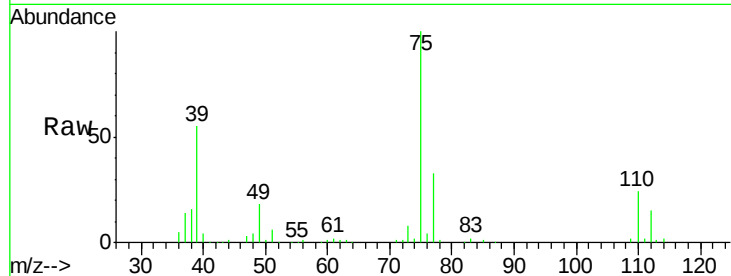
#53
t-1,3-Dichloropropene
Concen: 17.90 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX001286.D
Acq: 01 May 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.6	38.4

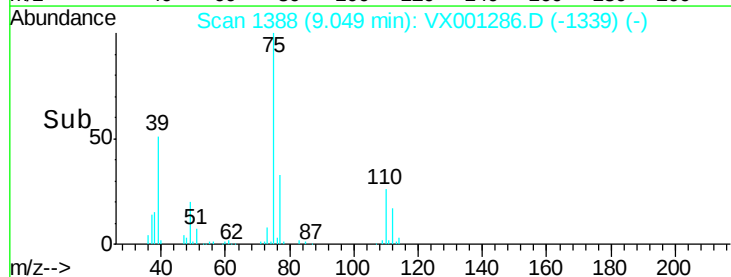
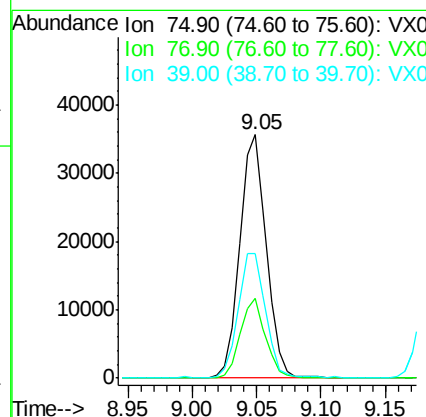
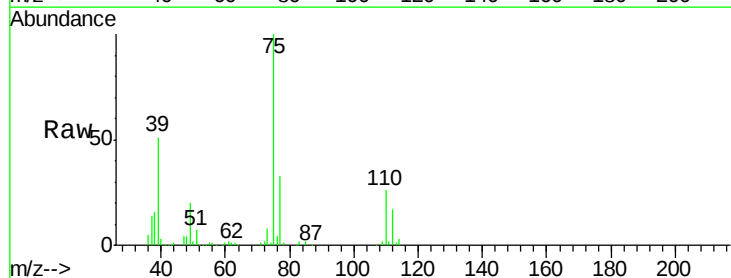
Manual Integrations
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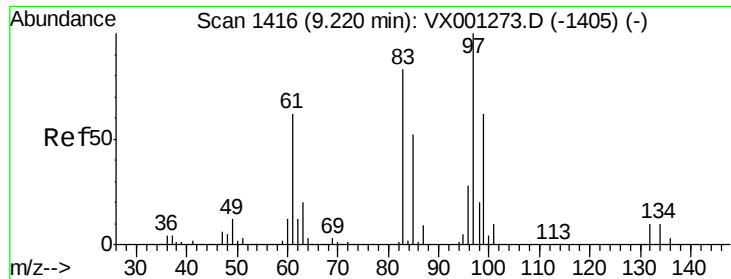
MMDadoda
5/2/2018 4:20:56 PM



#54
cis-1,3-Dichloropropene
Concen: 17.40 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001286.D
Acq: 01 May 2018 19:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.5	38.3
39	51.0	41.9	62.9





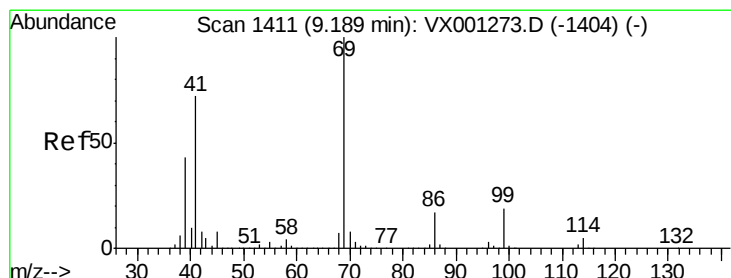
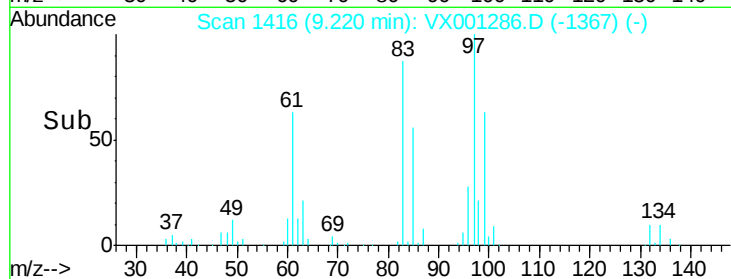
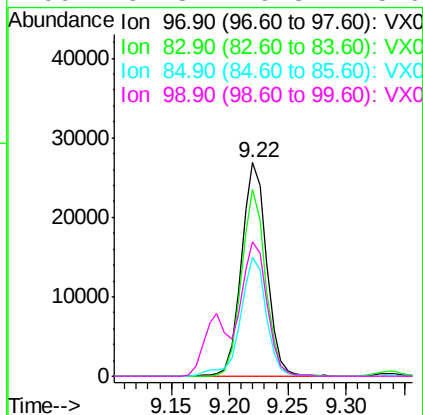
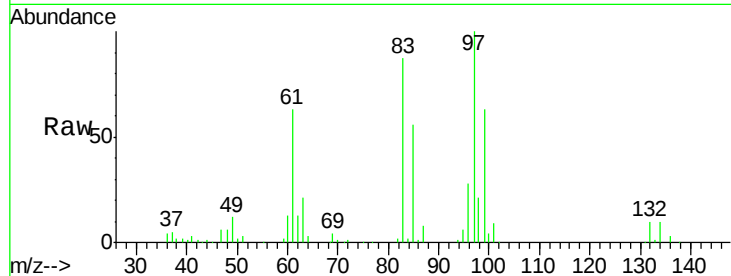
#55
 1,1,2-Trichloroethane
 Concen: 18.54 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001286.D
 Acq: 01 May 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBS02

Tot Ion:	97	Resp:	40648
Ion	Ratio	Lower	Upper
97	100		
83	87.4	66.4	99.6
85	55.9	41.6	62.4
99	62.8	49.3	73.9

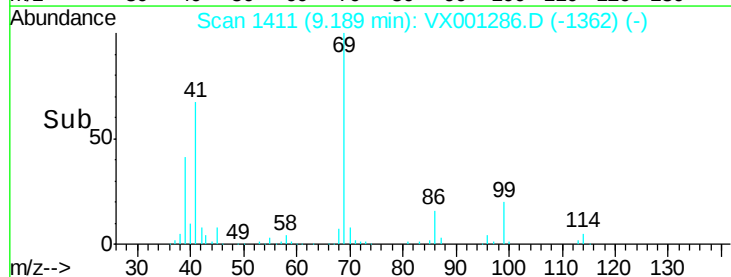
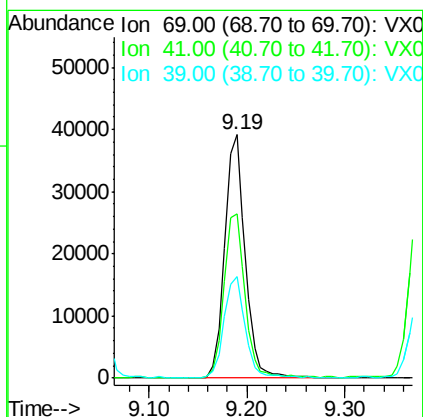
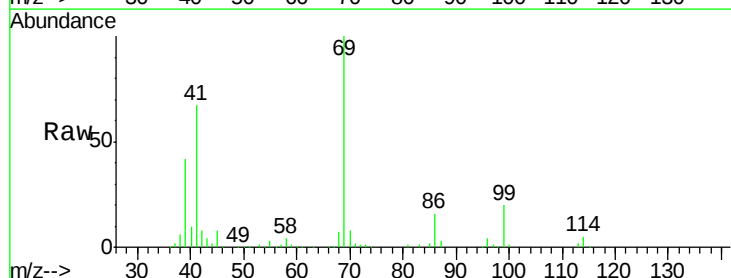
Manual Integrations
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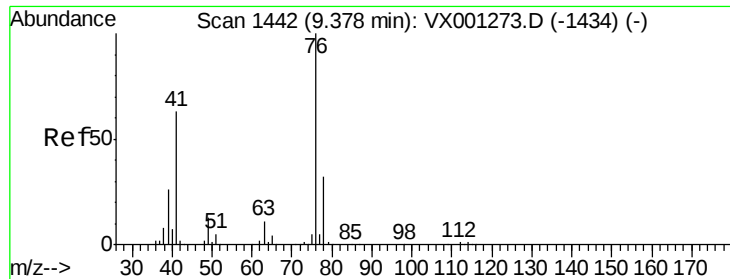
MMDadoda
 5/2/2018 4:20:56 PM



#56
 Ethyl methacrylate
 Concen: 18.74 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001286.D
 Acq: 01 May 2018 19:53

Tgt Ion:	69	Resp:	56934
Ion	Ratio	Lower	Upper
69	100		
41	68.6	57.2	85.8
39	42.5	34.3	51.5





#57

1,3-Dichloropropane

Concen: 18.79 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Instrument :

MSVOA_X

ClientSampled :

VX0501WBS02

Tot Ion: 76 Resp: 66247

Ion Ratio Lower Upper

76 100

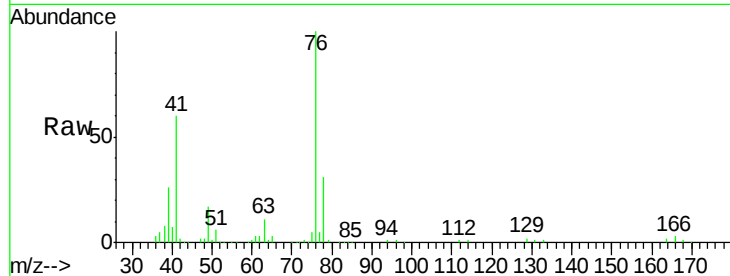
78 32.1 25.6 38.4

Manual Integrations

APPROVED

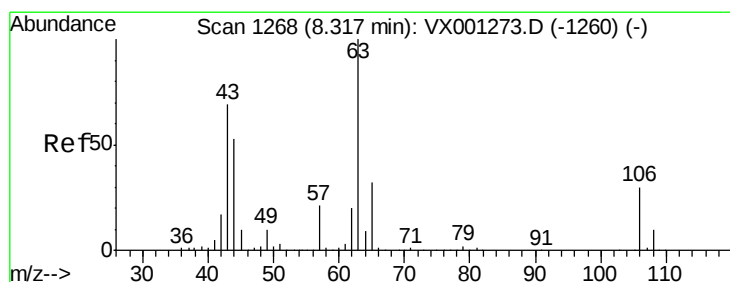
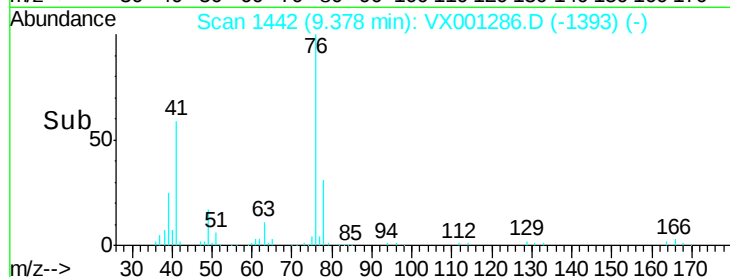
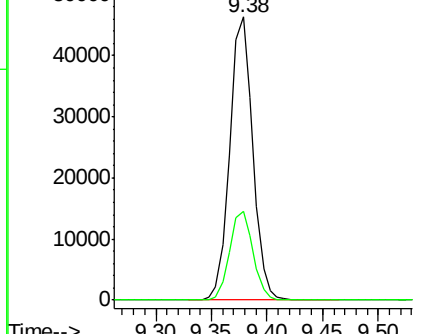
MMDadoda

5/2/2018 4:20:56 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 98.63 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX001286.D

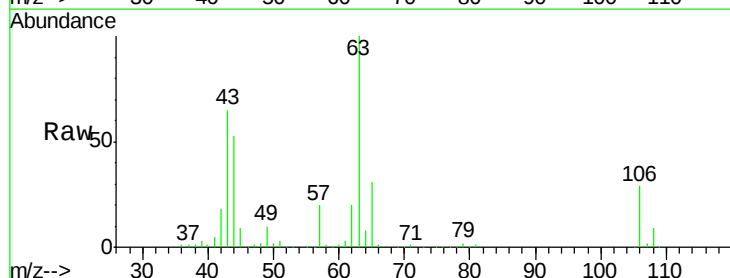
Acq: 01 May 2018 19:53

Tgt Ion: 63 Resp: 144544

Ion Ratio Lower Upper

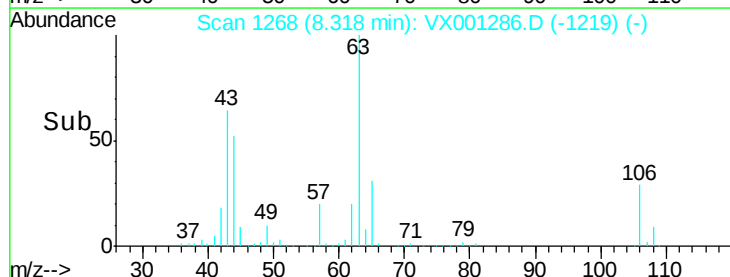
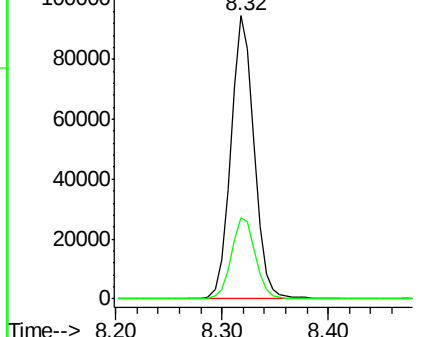
63 100

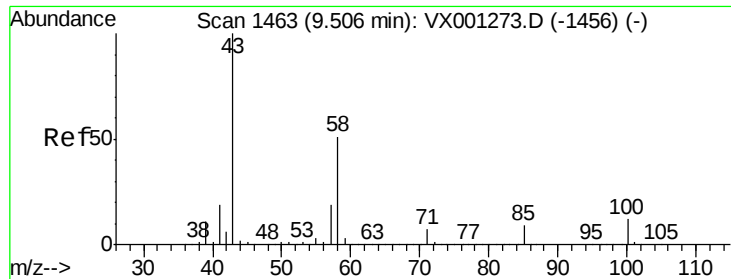
106 29.8 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





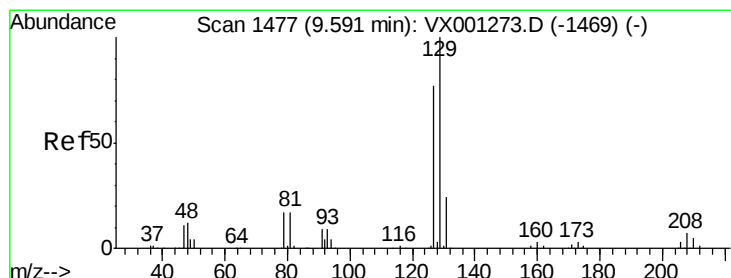
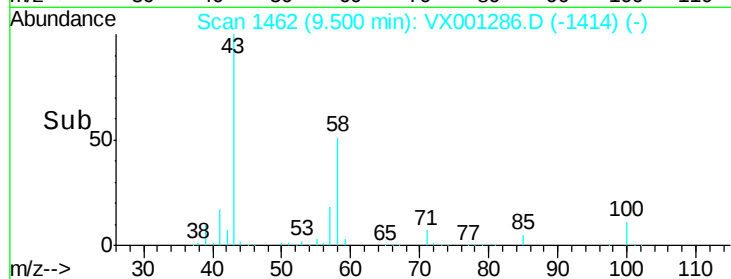
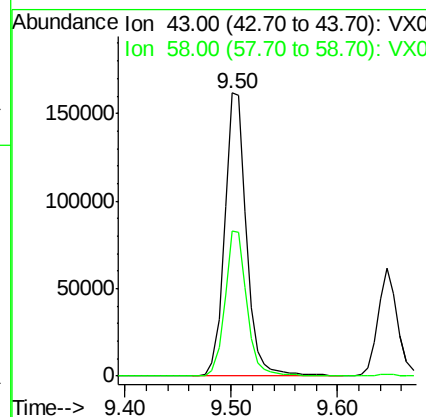
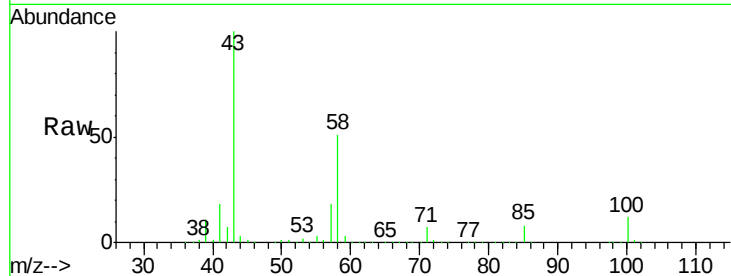
#59
2-Hexanone
Concen: 96.91 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX001286.D
Acq: 01 May 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBS02

Tot Ion: 43 Resp: 230384
Ion Ratio Lower Upper
43 100
58 51.5 25.7 77.0

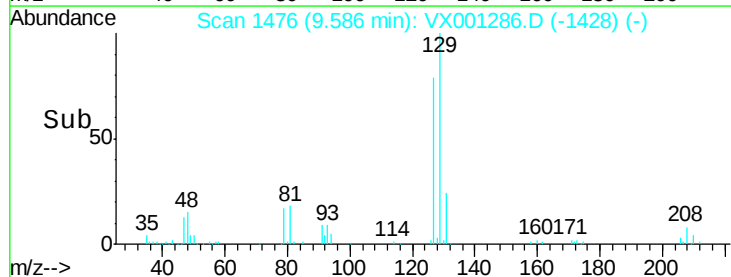
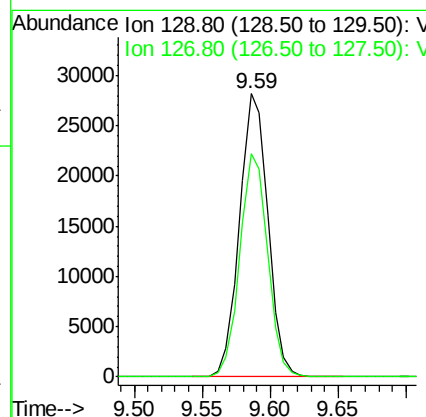
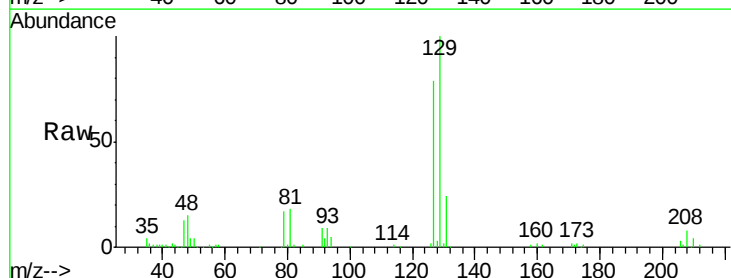
Manual Integrations
APPROVED

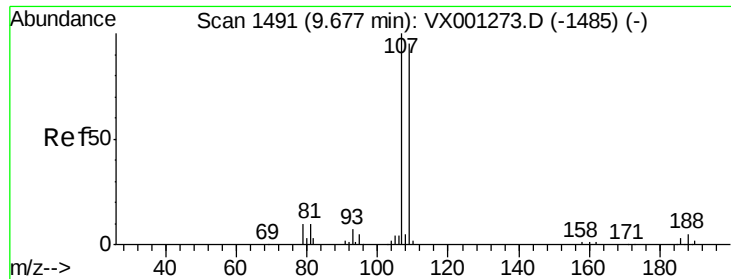
MMDadoda
5/2/2018 4:20:56 PM



#60
Dibromochloromethane
Concen: 17.96 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001286.D
Acq: 01 May 2018 19:53

Tgt Ion: 129 Resp: 41059
Ion Ratio Lower Upper
129 100
127 76.9 39.1 117.3





#61

1,2-Dibromoethane

Concen: 18.73 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS02

Tot Ion:107 Resp: 43523

Ion Ratio Lower Upper

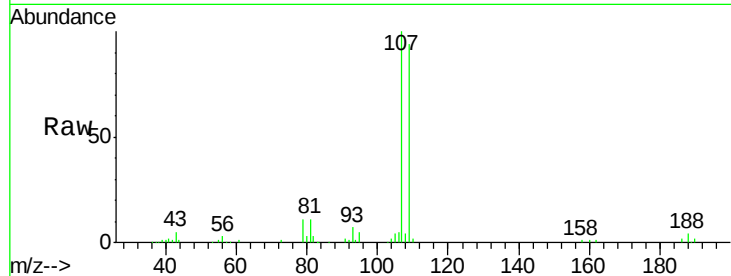
107 100

109 94.5 75.4 113.2

Manual Integrations
APPROVED

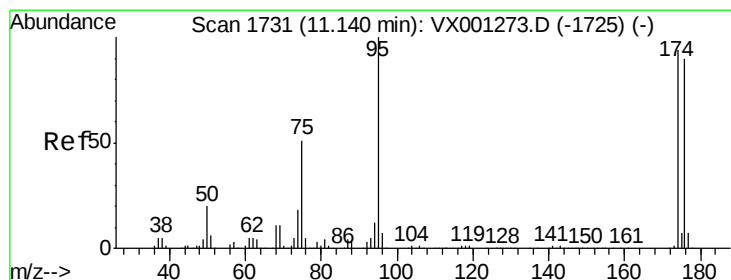
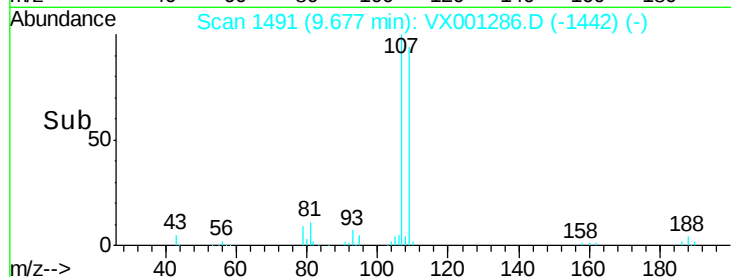
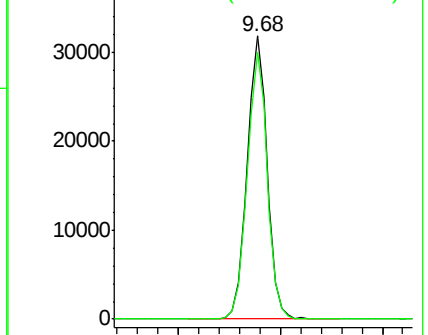
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.70 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

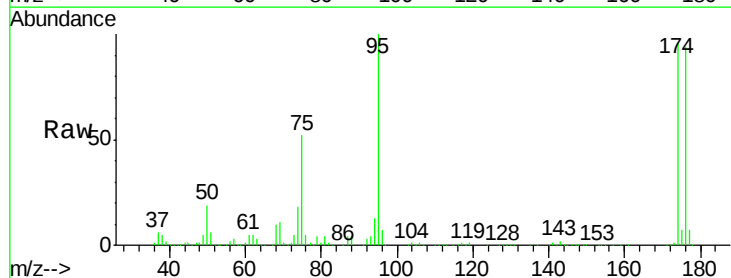
Tgt Ion: 95 Resp: 143736

Ion Ratio Lower Upper

95 100

174 103.4 0.0 201.8

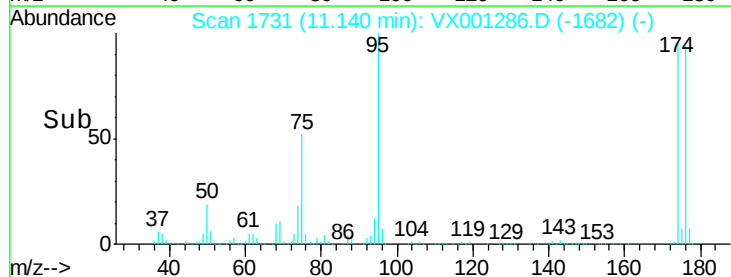
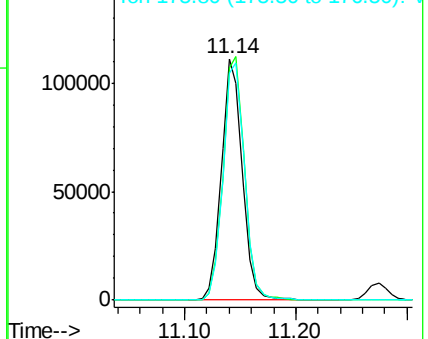
176 101.5 0.0 197.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





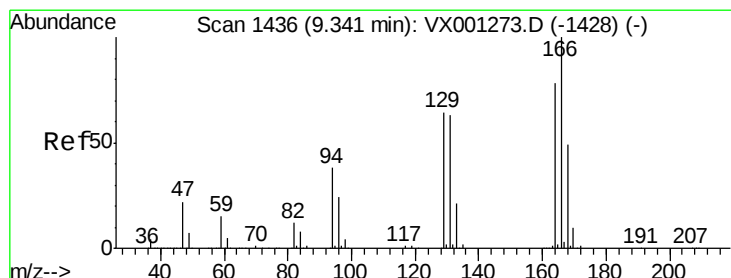
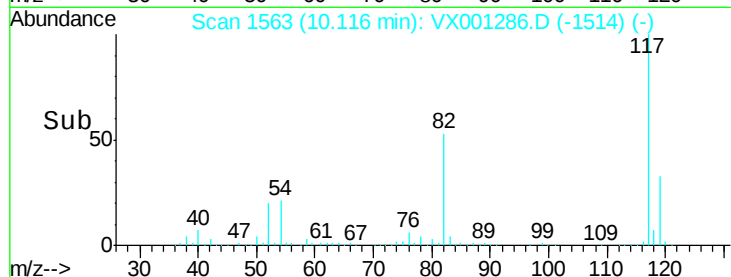
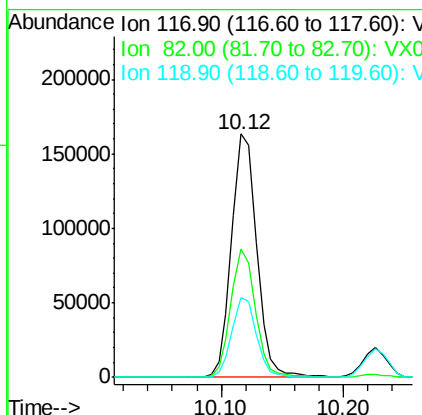
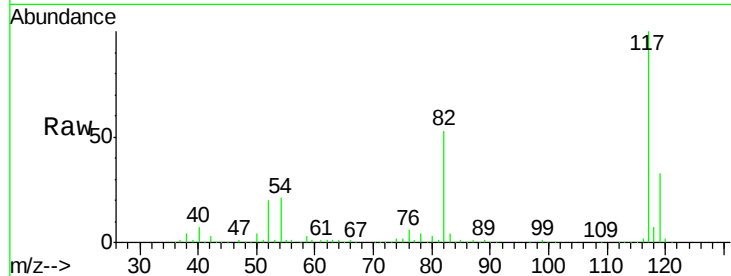
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX001286.D
Acq: 01 May 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	41.4	62.0
119	32.9	25.5	38.3

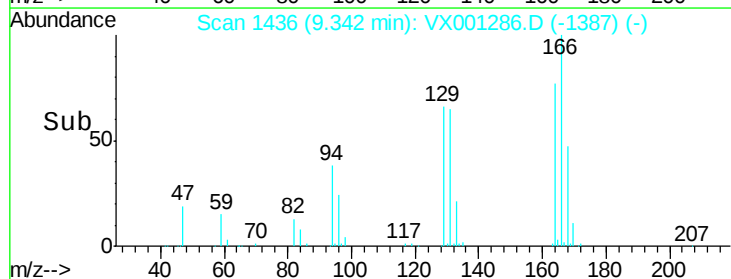
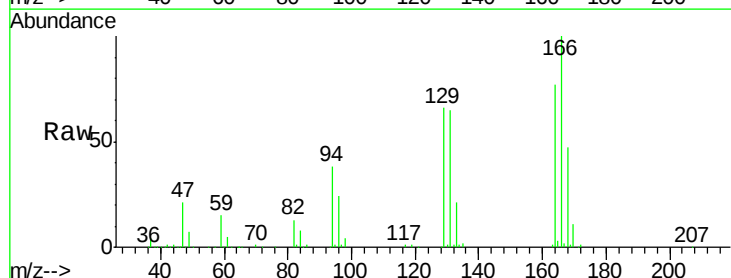
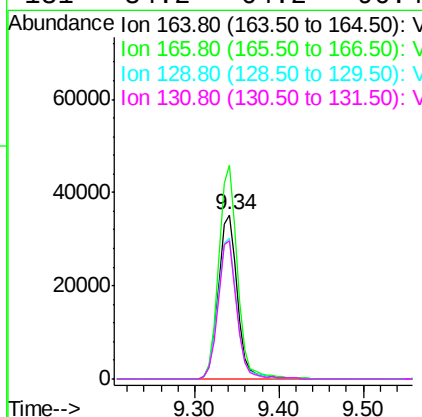
Manual Integrations
APPROVED

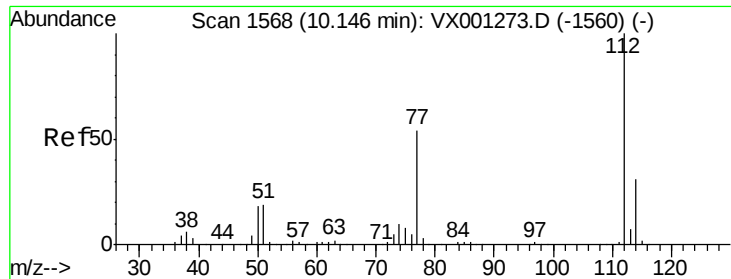
MMDadoda
5/2/2018 4:20:56 PM



#64
Tetrachloroethene
Concen: 20.00 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001286.D
Acq: 01 May 2018 19:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	102.3	153.5
129	85.5	65.1	97.7
131	84.2	64.2	96.4





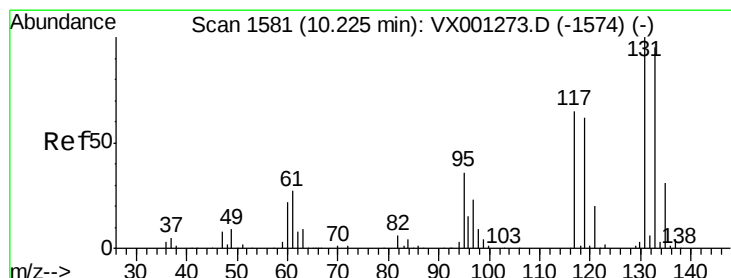
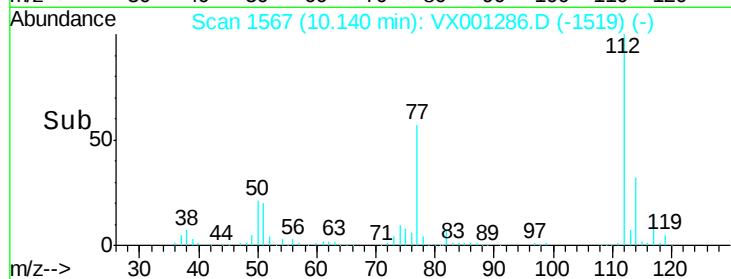
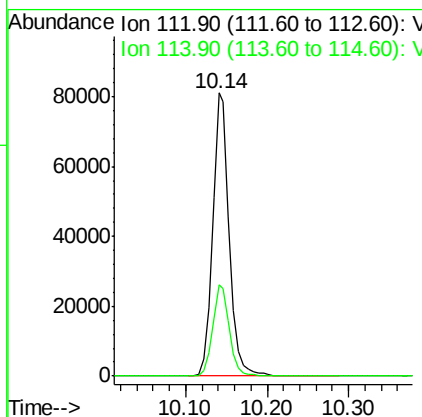
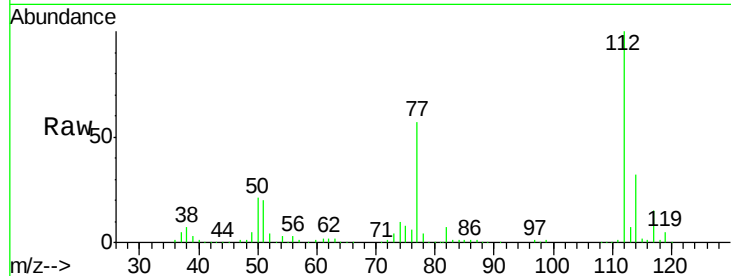
#65
Chlorobenzene
Concen: 18.31 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX001286.D
Acq: 01 May 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBS02

Tot Ion:112 Resp: 116091
Ion Ratio Lower Upper
112 100
114 32.4 24.8 37.2

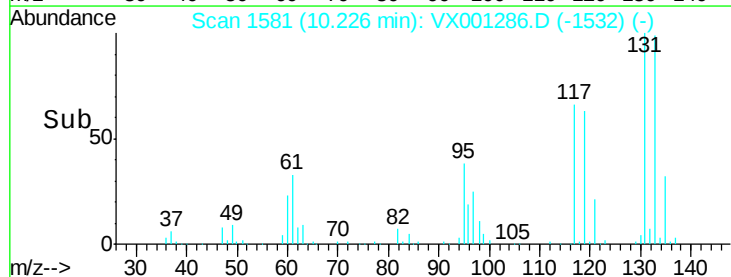
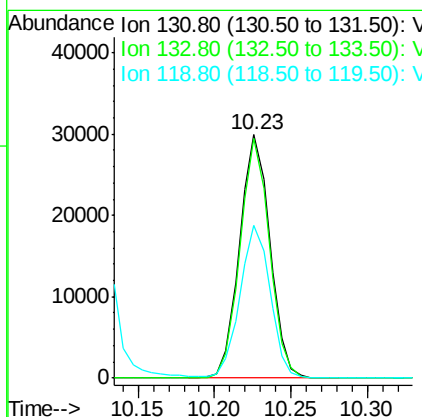
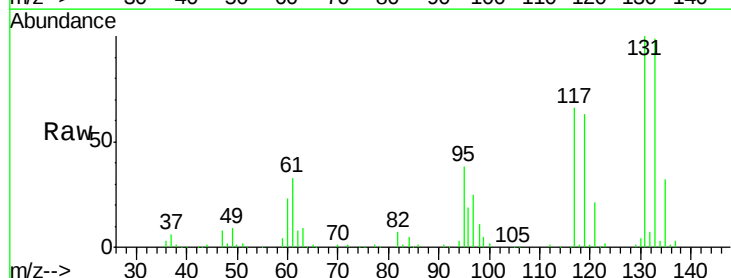
Manual Integrations
APPROVED

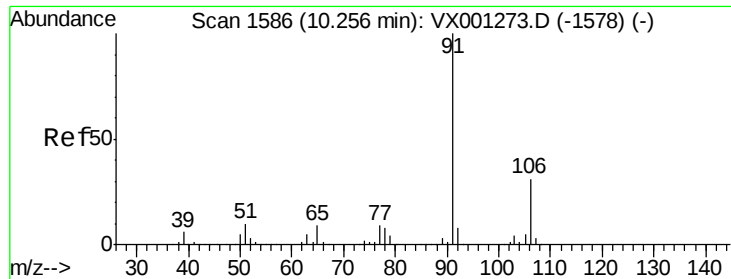
MMDadoda
5/2/2018 4:20:56 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.77 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001286.D
Acq: 01 May 2018 19:53

Tgt Ion:131 Resp: 41313
Ion Ratio Lower Upper
131 100
133 95.6 48.3 144.9
119 63.0 31.2 93.6





#67

Ethyl Benzene

Concen: 18.13 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS02

Tot Ion: 91 Resp: 189389

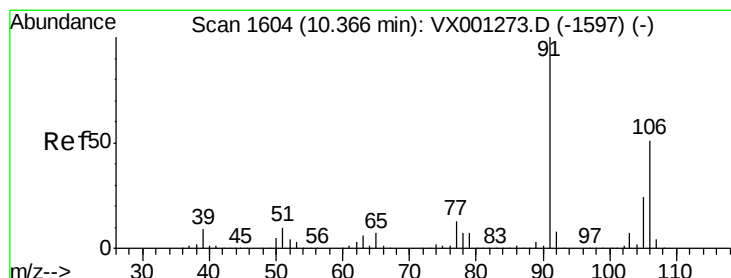
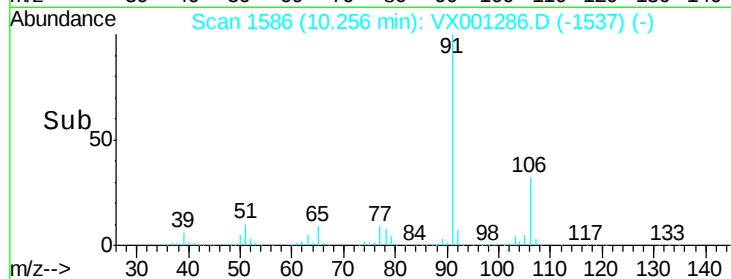
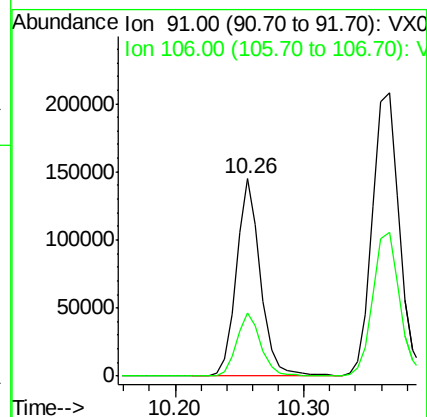
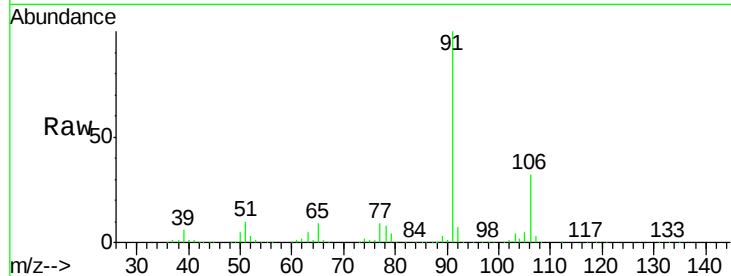
Ion Ratio Lower Upper

91 100

106 31.8 24.9 37.3

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 37.18 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001286.D

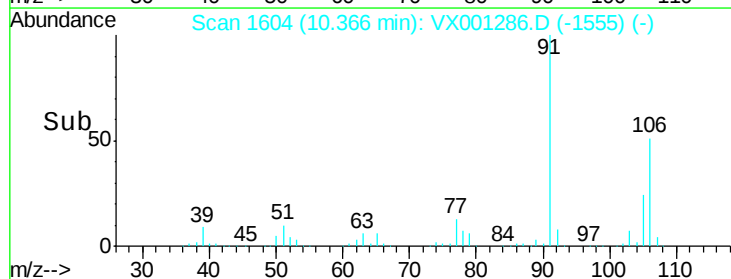
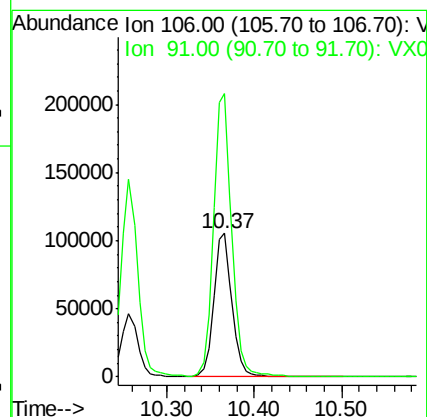
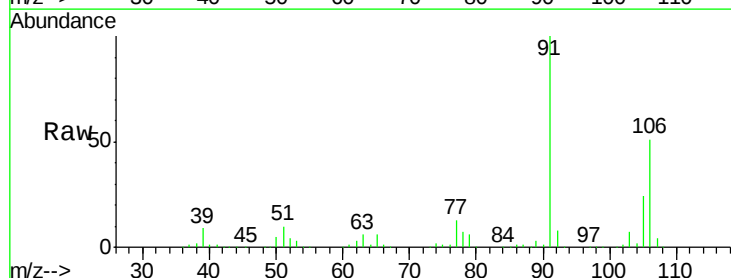
Acq: 01 May 2018 19:53

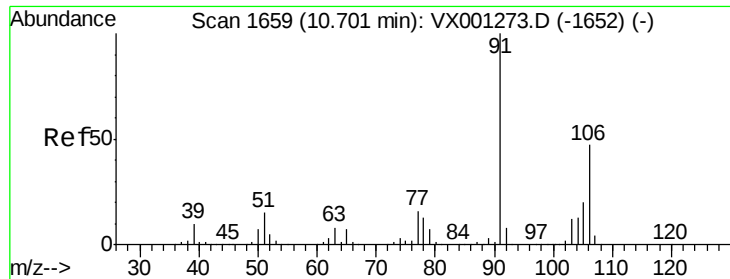
Tgt Ion: 106 Resp: 152849

Ion Ratio Lower Upper

106 100

91 198.2 159.4 239.2





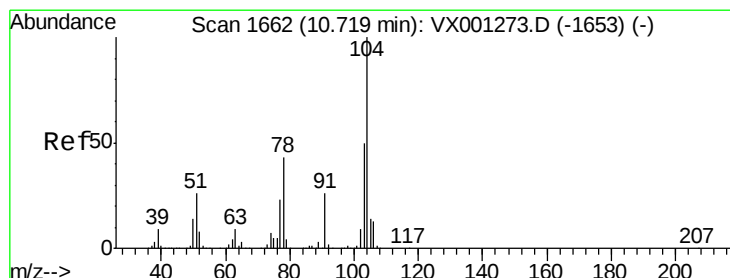
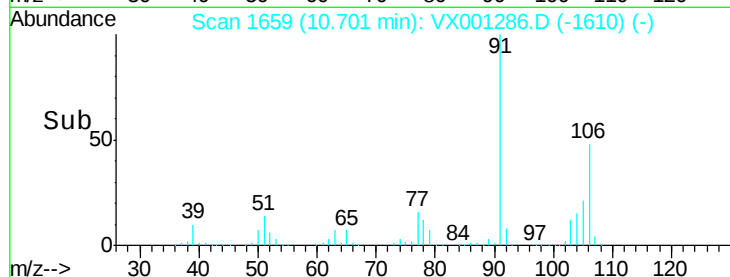
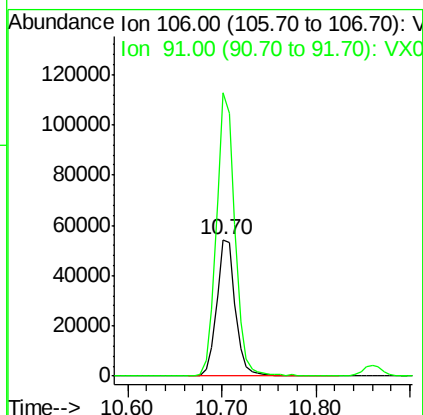
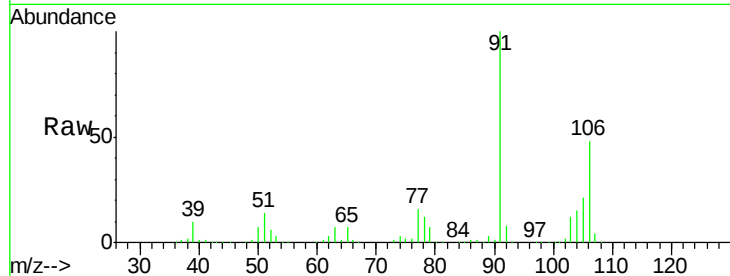
#69
o-Xylene
Concen: 18.64 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX001286.D
Acq: 01 May 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBS02

Tot Ion:106 Resp: 74325
Ion Ratio Lower Upper
106 100
91 207.5 106.3 319.0

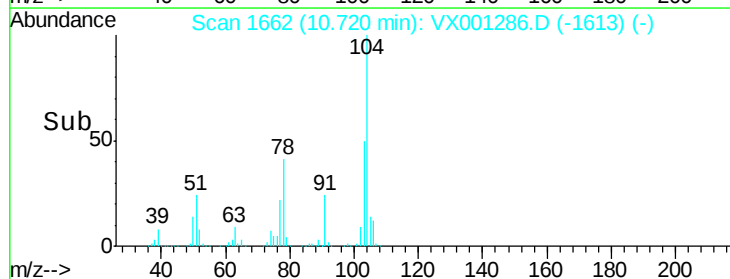
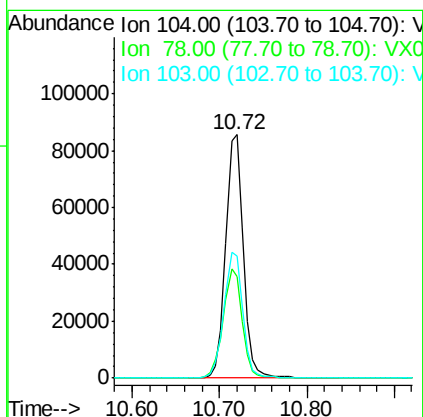
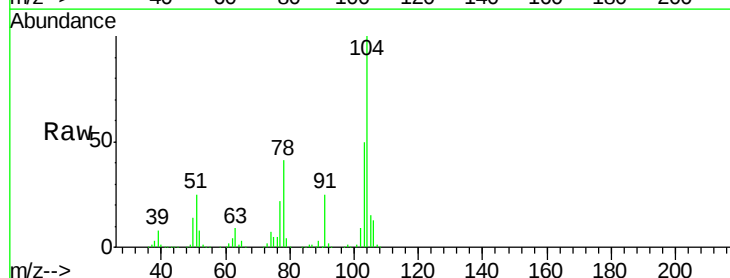
Manual Integrations
APPROVED

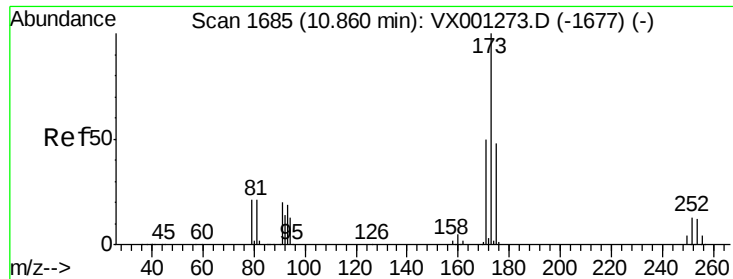
MMDadoda
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#70
Styrene
Concen: 18.39 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001286.D
Acq: 01 May 2018 19:53

Tgt Ion:104 Resp: 119911
Ion Ratio Lower Upper
104 100
78 48.4 40.1 60.1
103 55.3 44.5 66.7





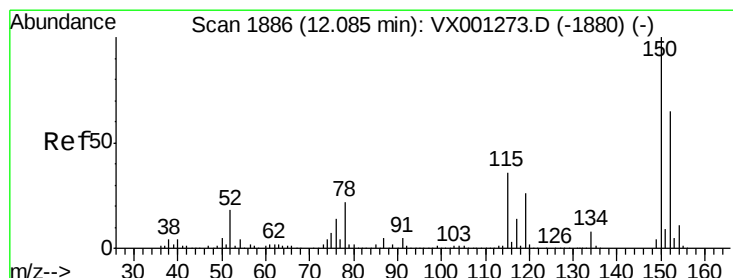
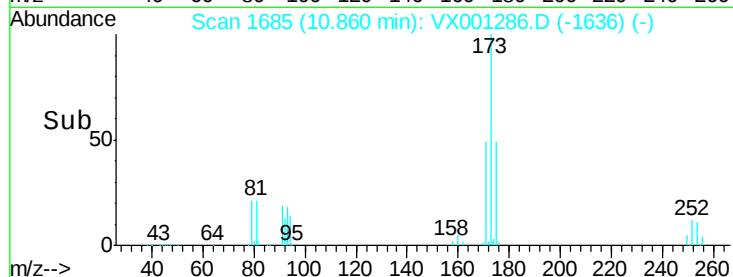
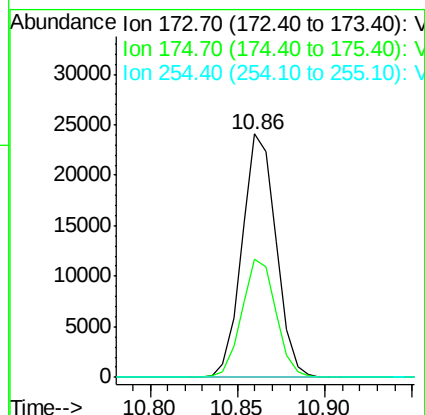
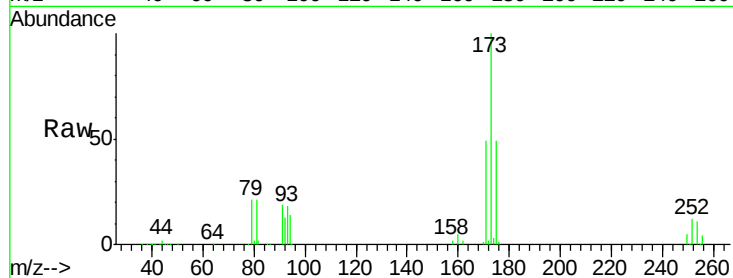
#71
Bromoform
Concen: 18.01 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX001286.D
Acq: 01 May 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.6	74.0
254	0.1	0.2	0.2#

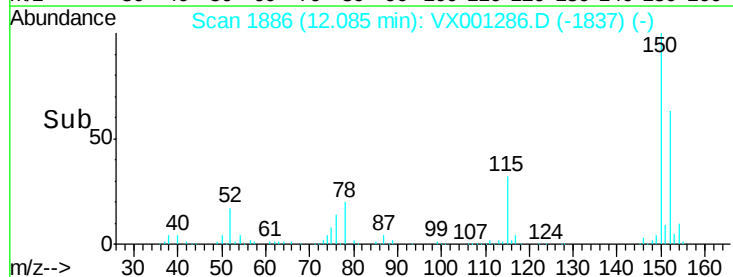
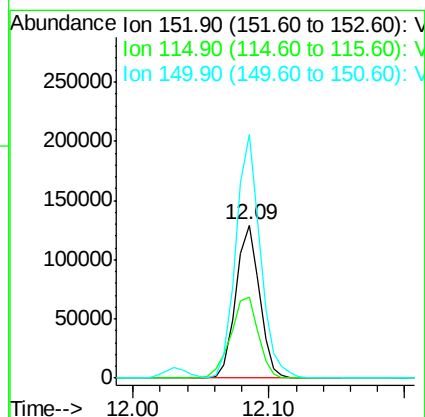
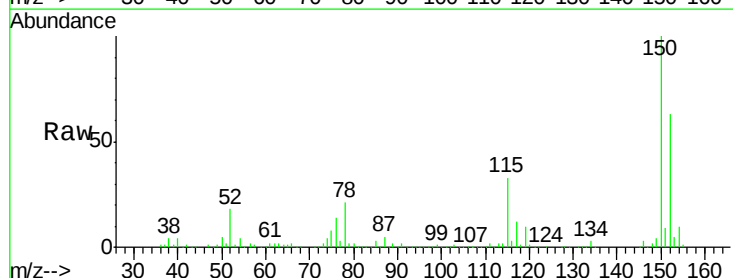
Manual Integrations
APPROVED

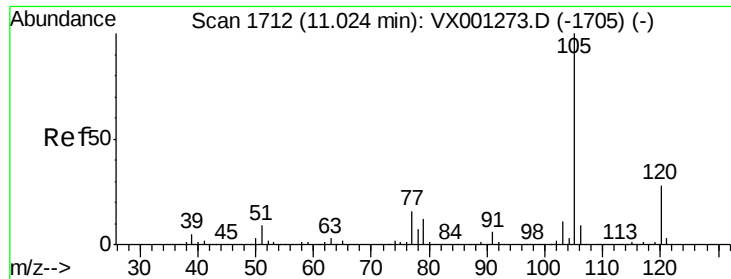
MMDadoda
5/2/2018 4:20:56 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001286.D
Acq: 01 May 2018 19:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.1	38.6	115.7
150	164.3	0.0	349.2





#73

Isopropylbenzene

Concen: 18.92 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS02

Tot Ion: 105 Resp: 198015

Ion Ratio Lower Upper

105 100

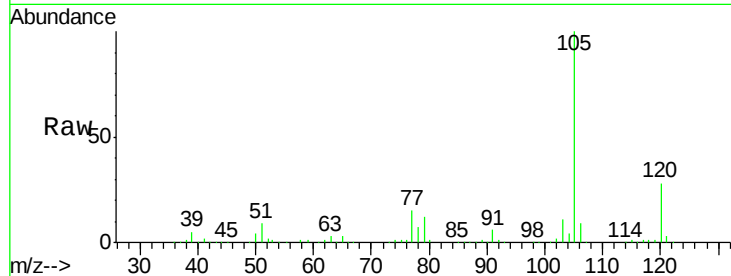
120 27.9 13.7 41.1

Manual Integrations

APPROVED

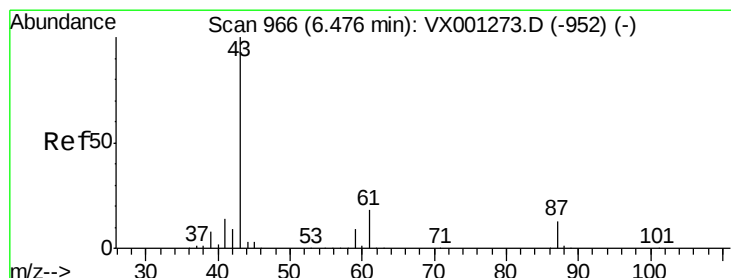
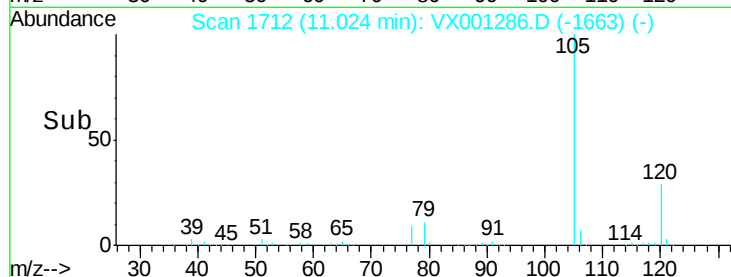
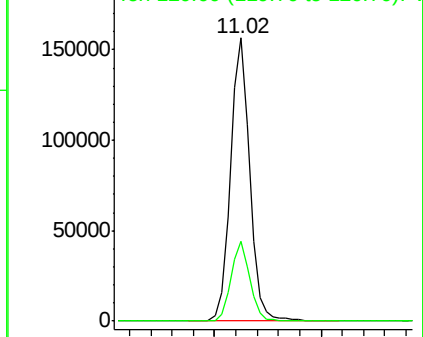
MMDadoda

5/2/2018 4:20:56 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.59 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Tgt Ion: 43 Resp: 87933

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

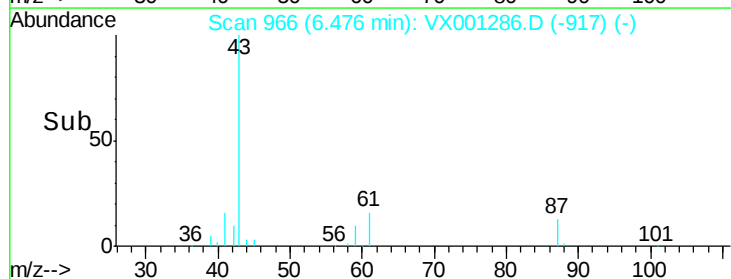
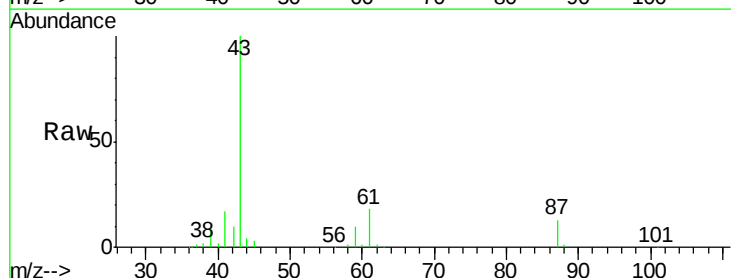
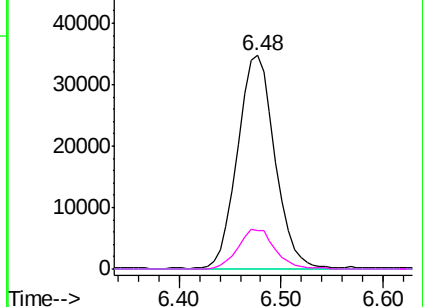
61 18.6 15.0 22.4

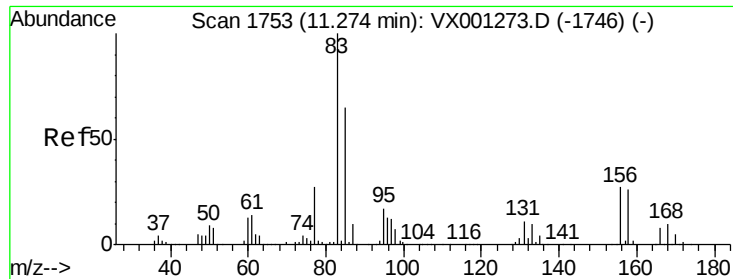
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.17 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Instrument :

MSVOA_X

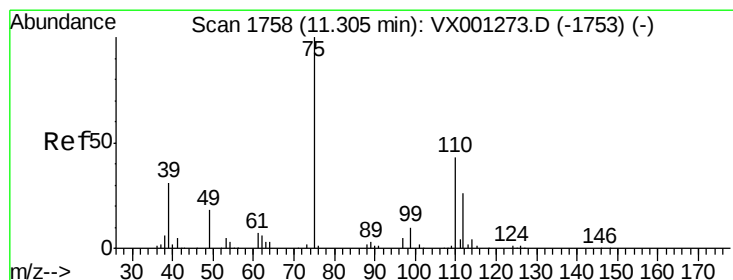
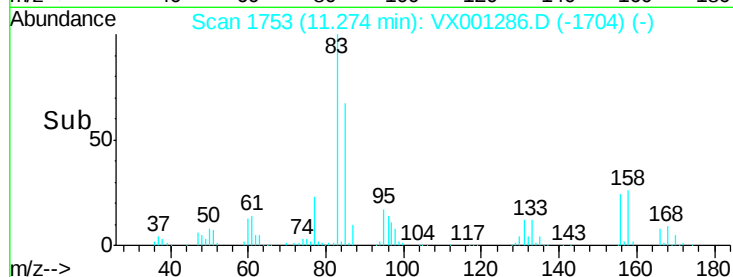
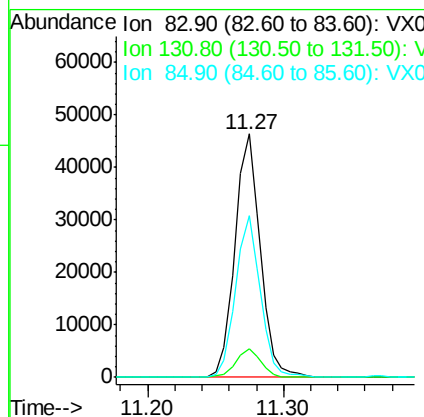
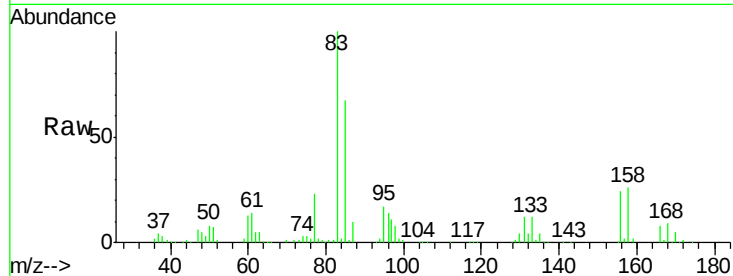
ClientSampleId :

VX0501WBS02

Tot Ion:	83	Resp:	60105
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.8	17.3
85	65.2	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.01 ug/l m

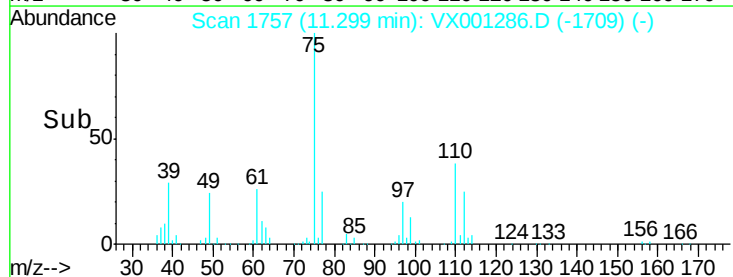
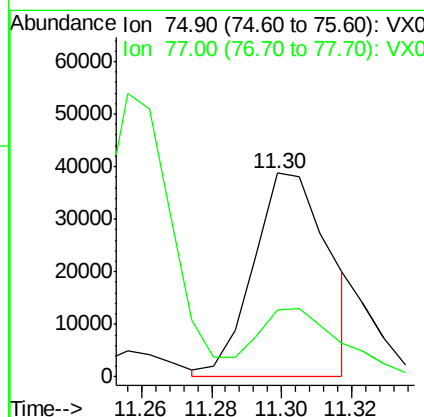
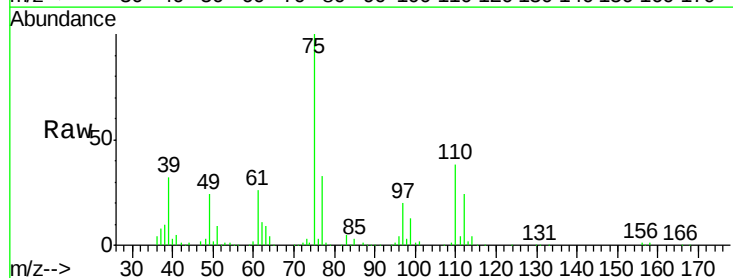
RT: 11.30 min Scan# 1757

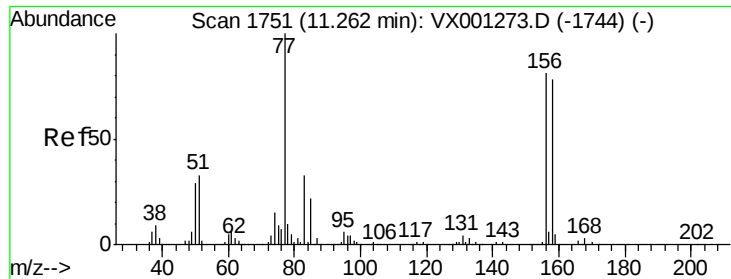
Delta R.T. -0.01 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Tgt Ion:	75	Resp:	57878
Ion Ratio	Lower	Upper	
75	100		
77	36.3	18.9	56.5





#77

Bromobenzene

Concen: 19.17 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS02

Tot Ion:156 Resp: 57861

Ion Ratio Lower Upper

156 100

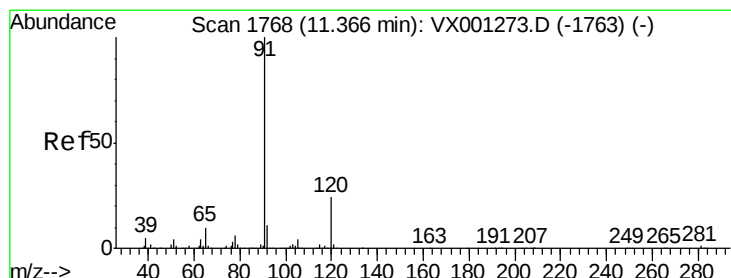
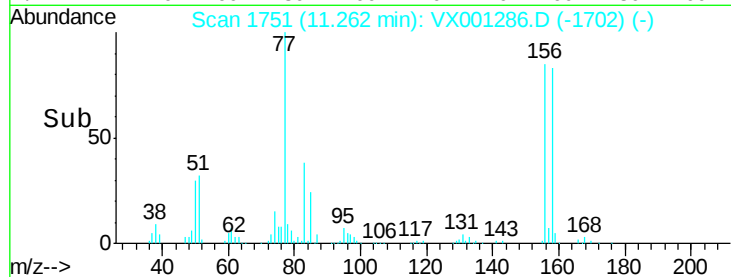
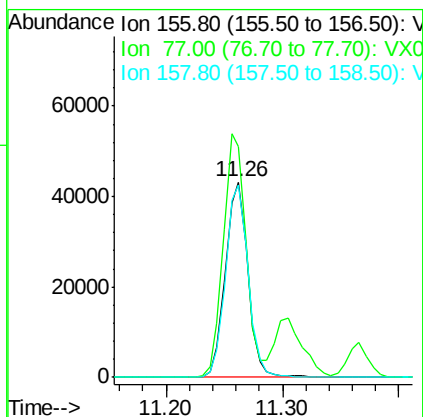
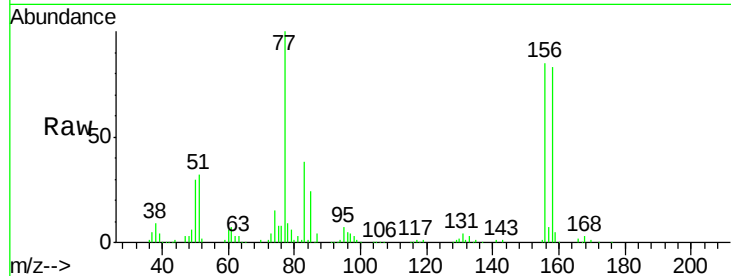
77 126.7 65.3 195.8

158 99.0 48.5 145.5

Manual Integrations
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#78

n-propylbenzene

Concen: 19.27 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001286.D

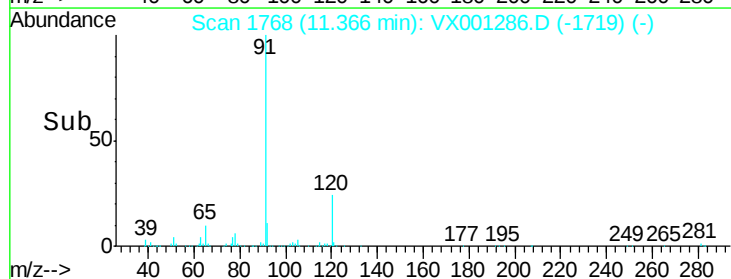
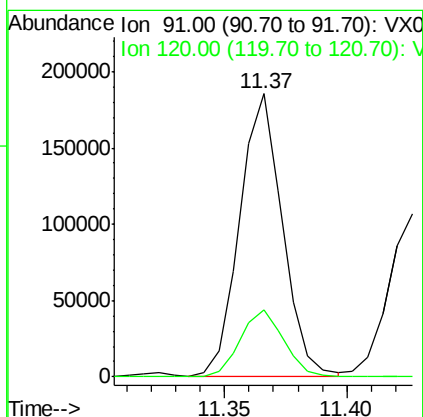
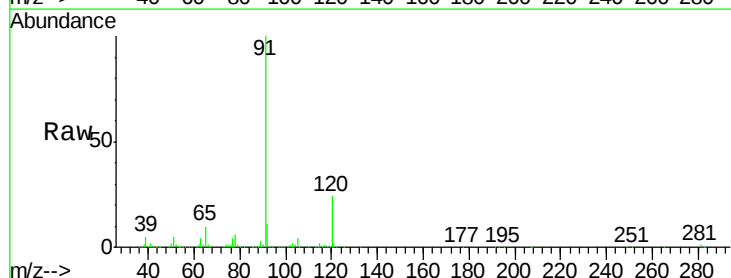
Acq: 01 May 2018 19:53

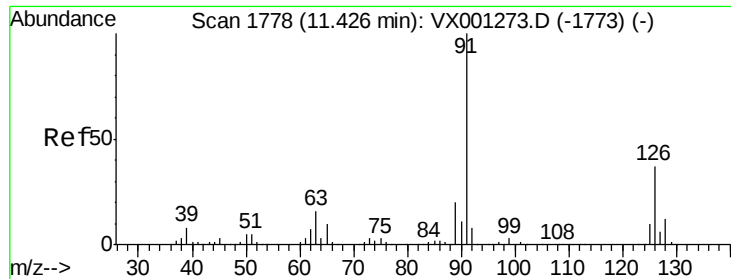
Tgt Ion: 91 Resp: 224127

Ion Ratio Lower Upper

91 100

120 24.5 12.3 36.8





#79

2-Chlorotoluene

Concen: 19.25 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS02

Tot Ion: 91 Resp: 135110

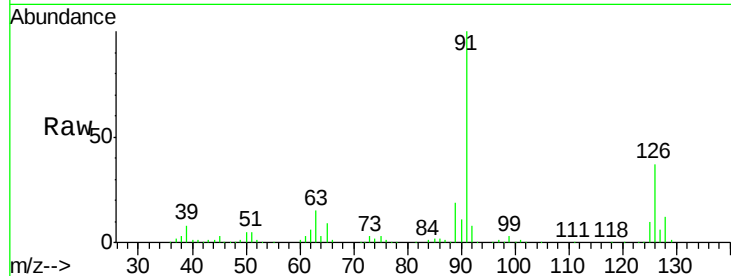
Ion Ratio Lower Upper

91 100

126 36.9 18.4 55.4

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Abundance Ion 91.00 (90.70 to 91.70): VX001273.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX001273.D (-1773) (-)

200000

150000

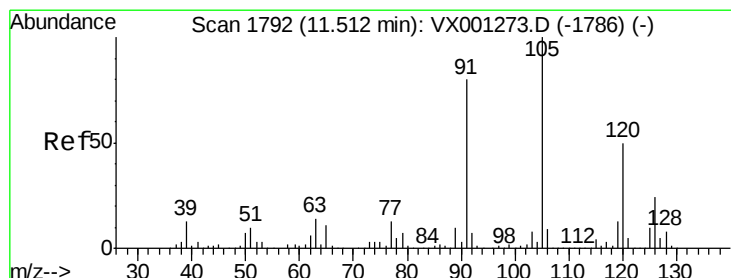
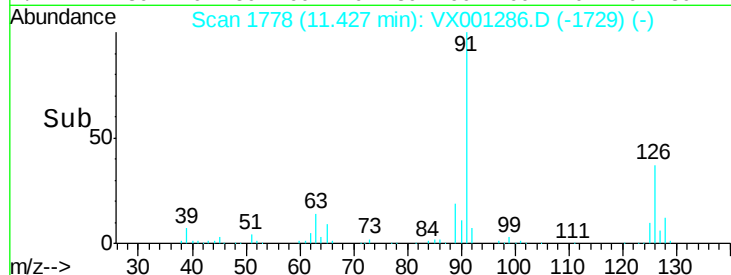
100000

50000

0

11.40 11.43 11.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.51 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001286.D

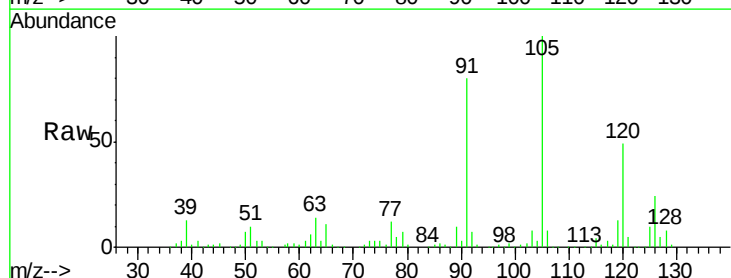
Acq: 01 May 2018 19:53

Tgt Ion: 105 Resp: 171440

Ion Ratio Lower Upper

105 100

120 48.7 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VX001273.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX001273.D (-1786) (-)

150000

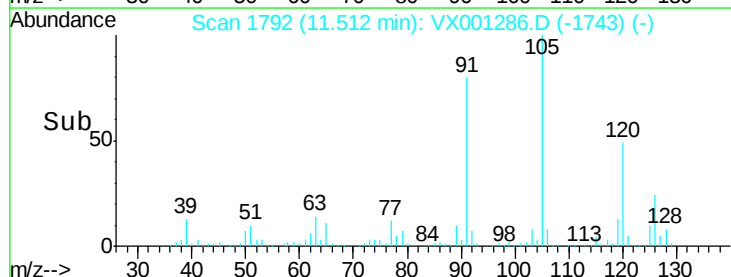
100000

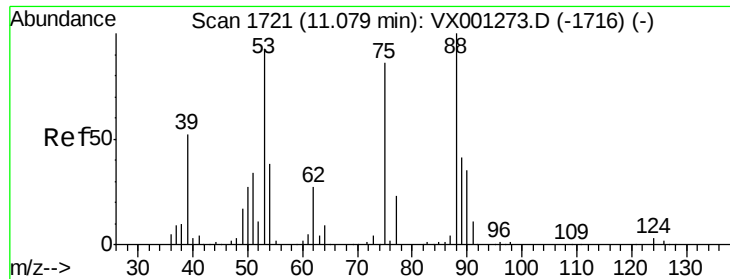
50000

0

11.50 11.51 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.76 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS02

Tot Ion: 75 Resp: 13102

Ion Ratio Lower Upper

75 100

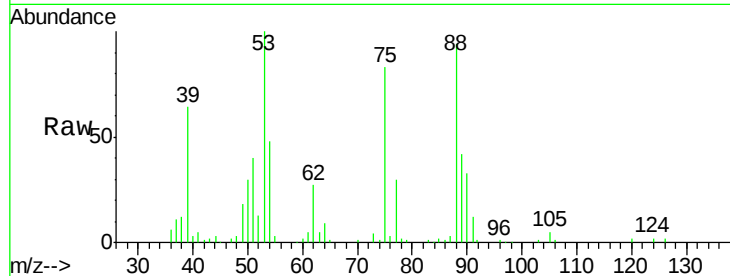
53 119.2 87.1 130.7

89 50.5 38.9 58.3

Manual Integrations
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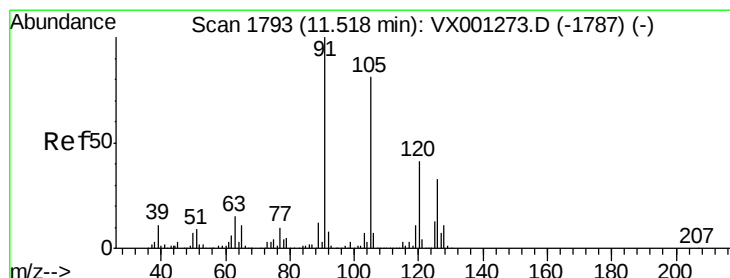
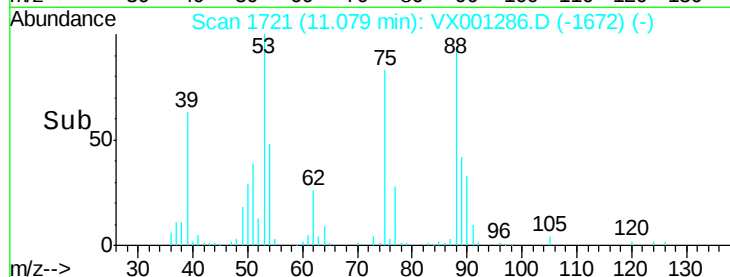
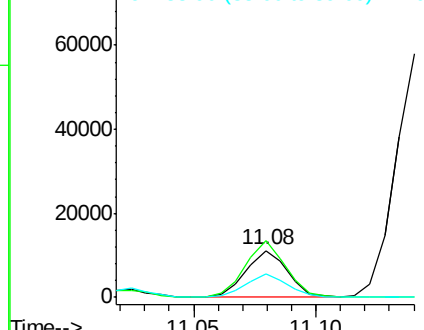
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 18.65 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001286.D

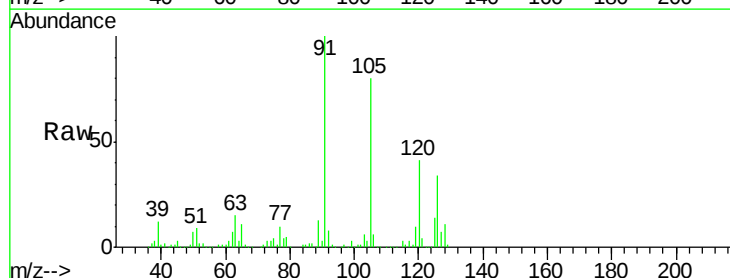
Acq: 01 May 2018 19:53

Tgt Ion: 91 Resp: 157415

Ion Ratio Lower Upper

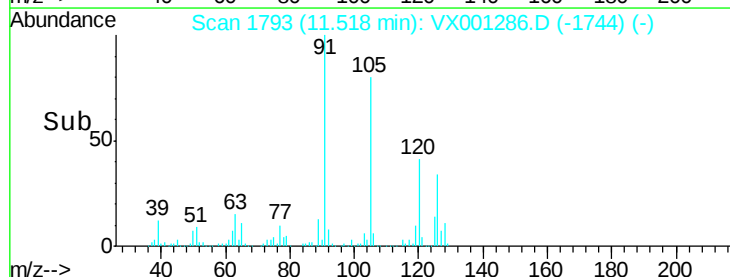
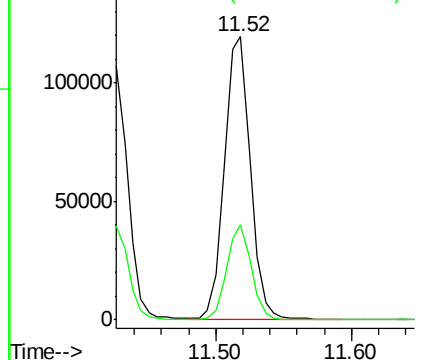
91 100

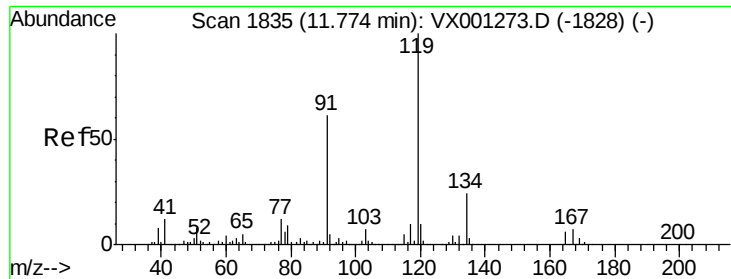
126 32.2 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 18.68 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Instrument :

MSVOA_X

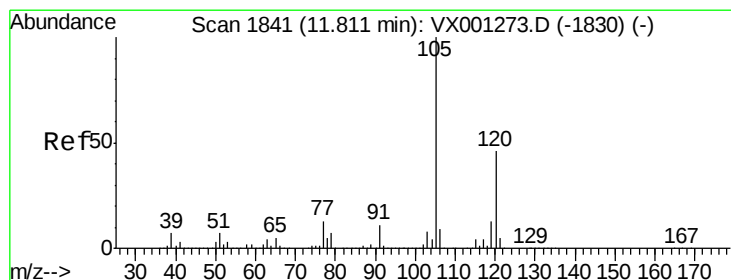
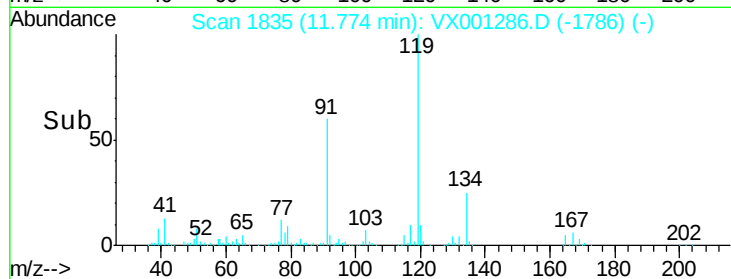
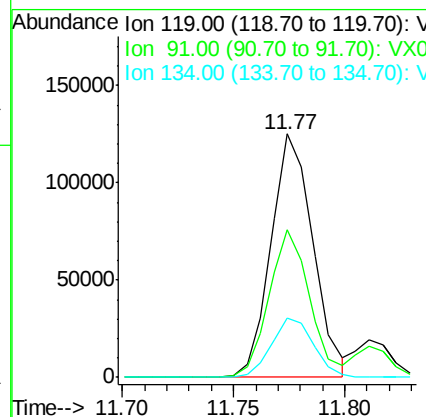
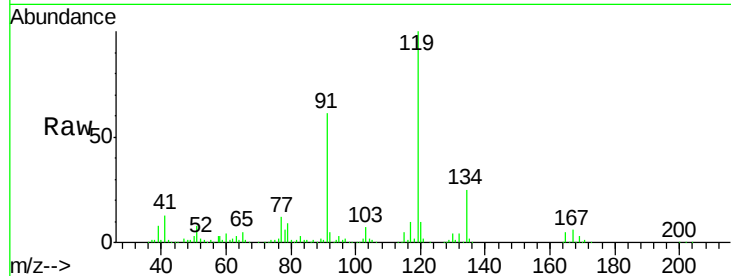
ClientSampleId :

VX0501WBS02

Tot Ion:	119	Resp:	163714
Ion Ratio	Lower	Upper	
119	100		
91	58.8	28.1	84.3
134	24.7	11.8	35.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.38 ug/l

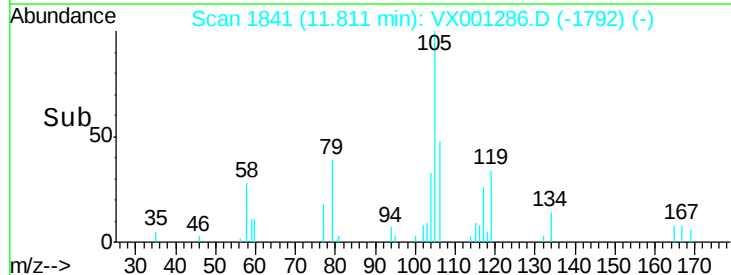
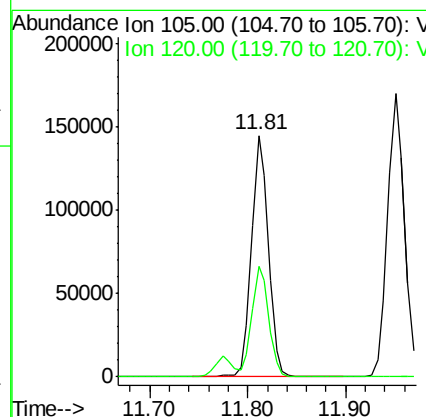
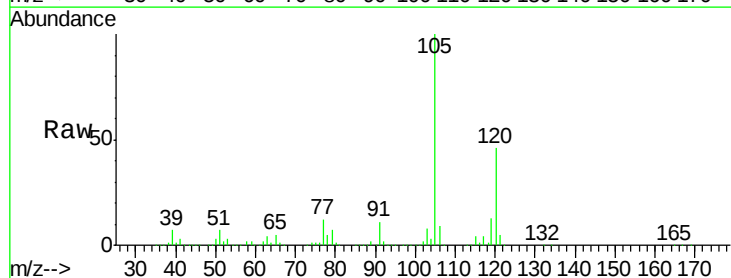
RT: 11.81 min Scan# 1841

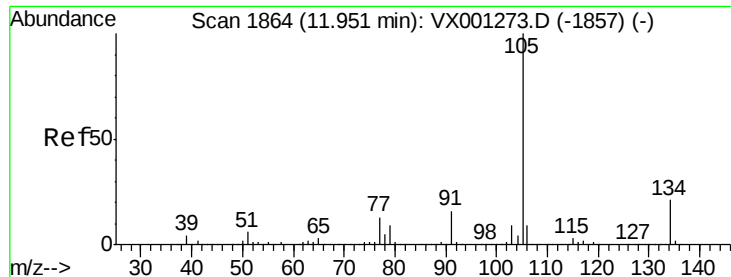
Delta R.T. 0.00 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Tgt Ion:	105	Resp:	174519
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.7	68.1





#85

sec-Butylbenzene

Concen: 19.51 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBS02

Tot Ion:105 Resp: 204532

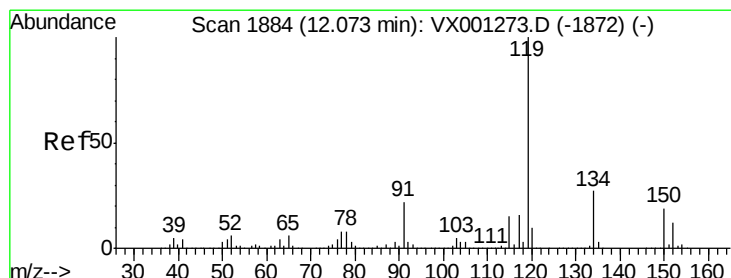
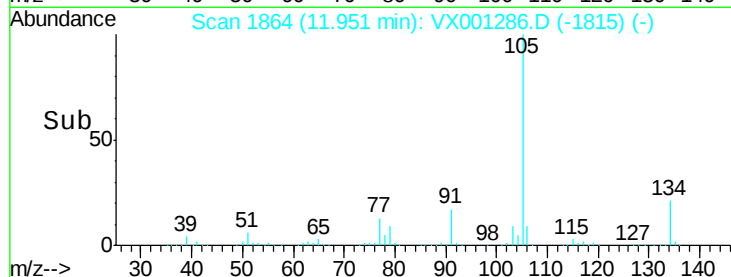
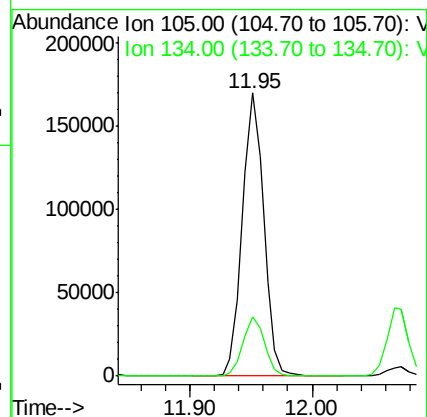
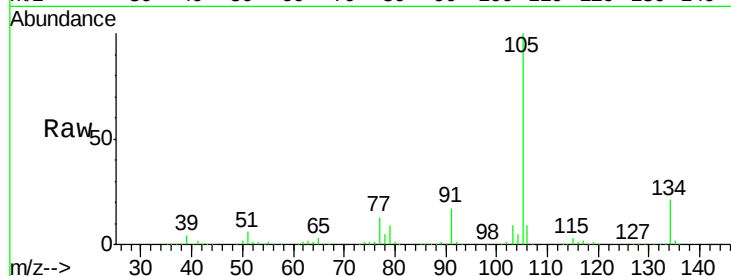
Ion Ratio Lower Upper

105 100

134 21.3 10.7 31.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 19.66 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001286.D

Acq: 01 May 2018 19:53

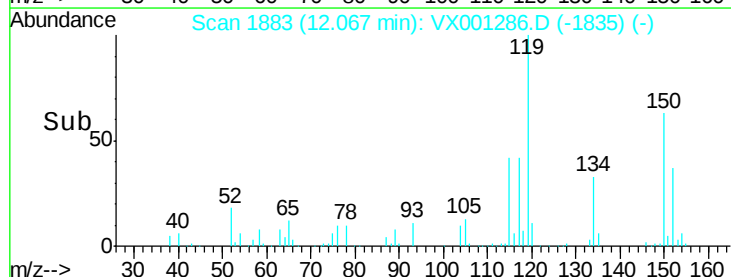
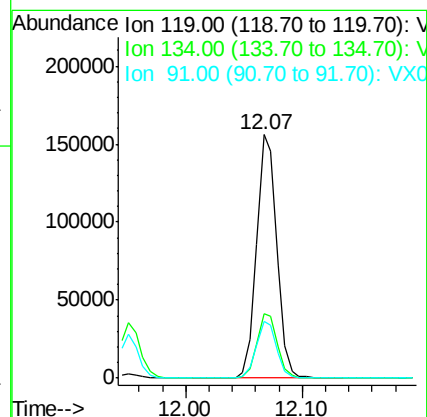
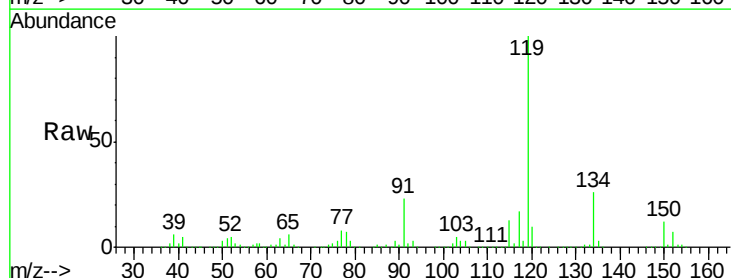
Tgt Ion:119 Resp: 189105

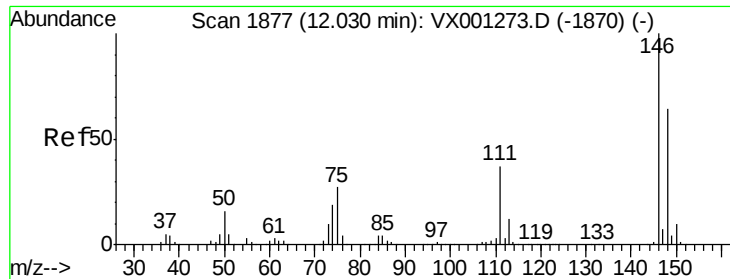
Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.7

91 23.6 11.7 35.1





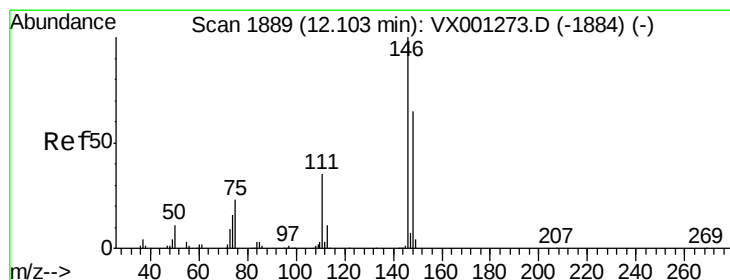
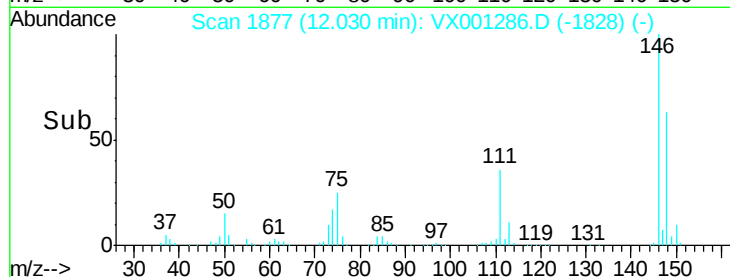
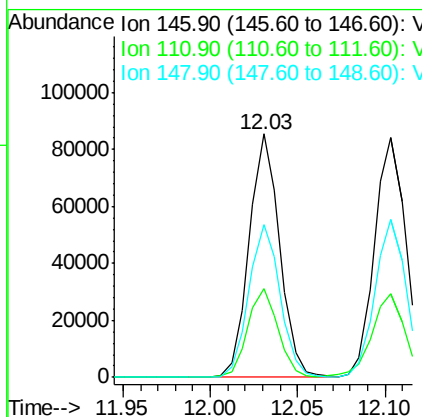
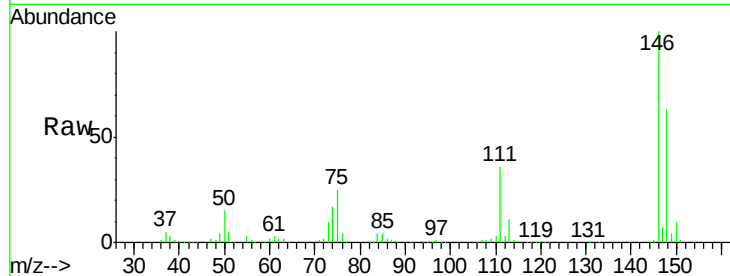
#87
 1,3-Dichlorobenzene
 Concen: 18.39 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001286.D
 Acq: 01 May 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.4	55.2
148	64.2	32.2	96.6

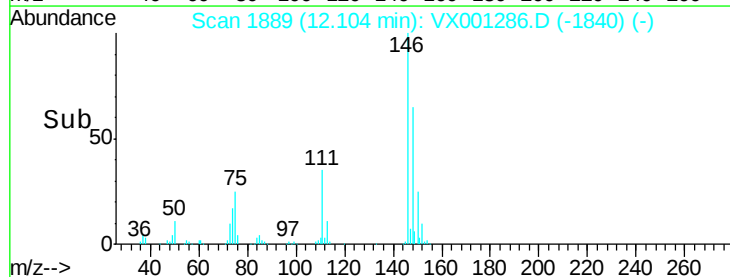
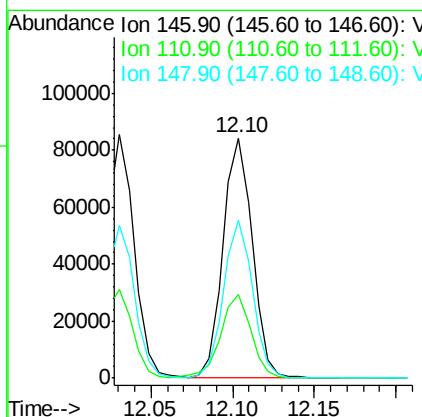
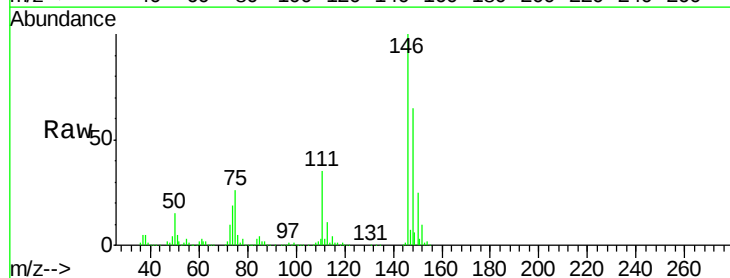
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 18.16 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001286.D
 Acq: 01 May 2018 19:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	17.9	53.7
148	65.2	32.3	96.8





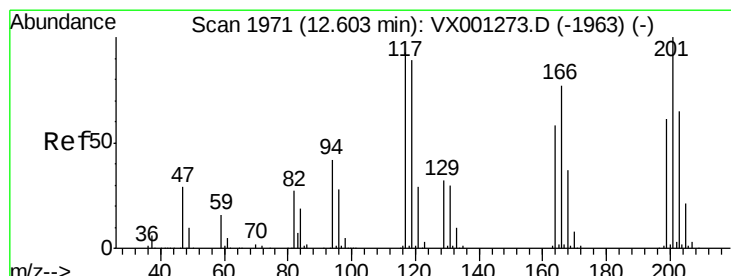
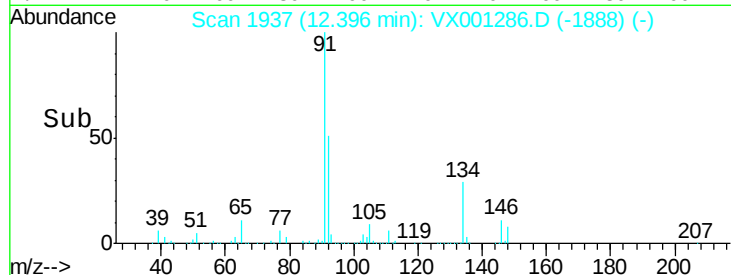
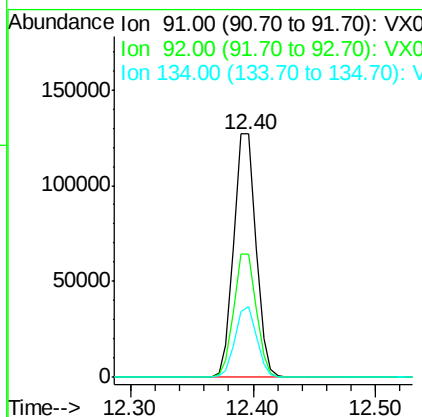
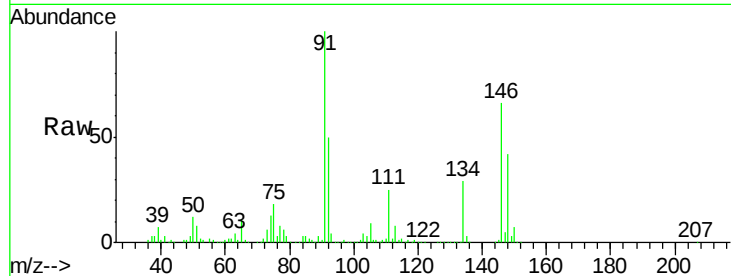
#89
n-Butylbenzene
Concen: 18.93 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001286.D
Acq: 01 May 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.2	26.2	78.5	
134	28.2	14.0	42.0	

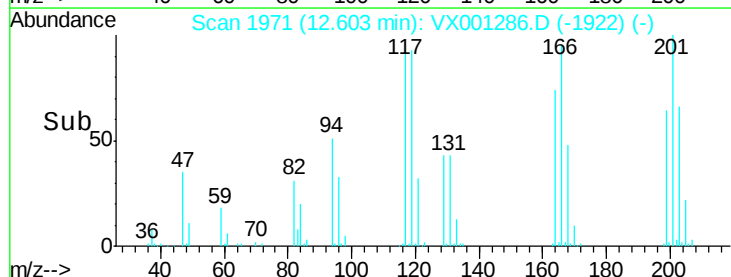
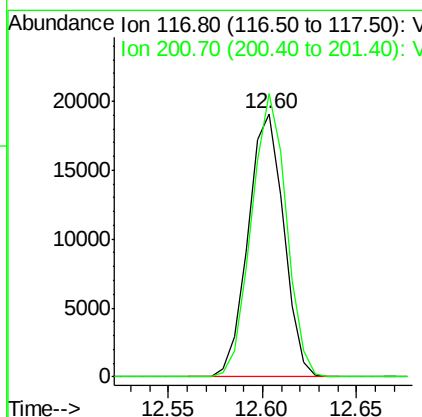
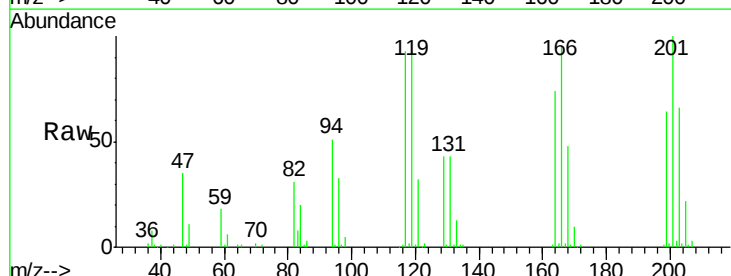
Manual Integrations
APPROVED

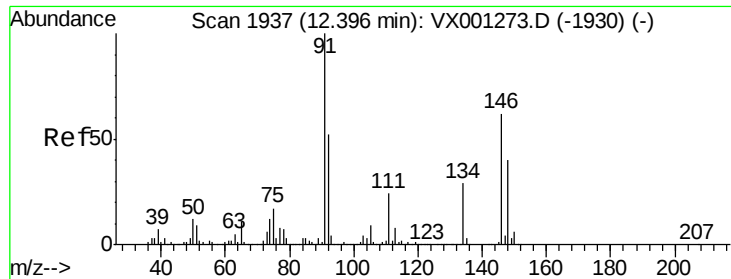
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#90
Hexachloroethane
Concen: 18.01 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001286.D
Acq: 01 May 2018 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	104.8	51.6	154.8	





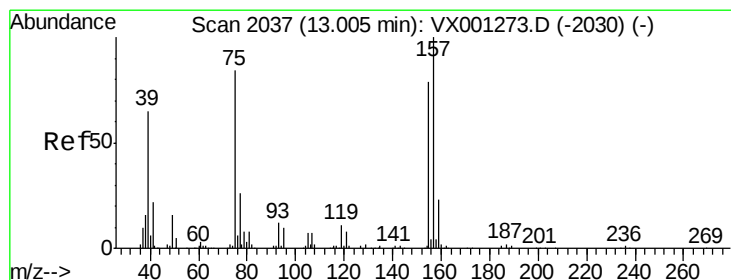
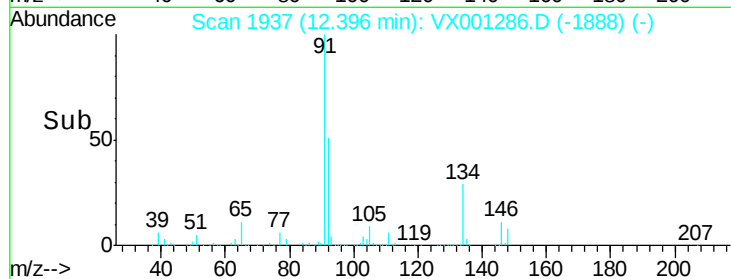
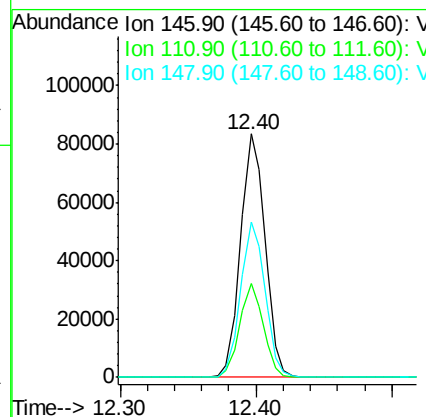
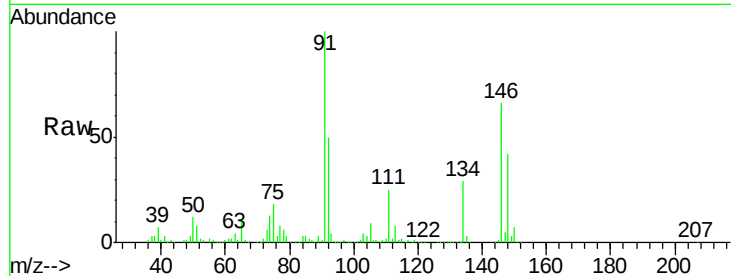
#91
 1,2-Dichlorobenzene
 Concen: 18.72 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001286.D
 Acq: 01 May 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.9	56.5
148	63.6	32.4	97.0

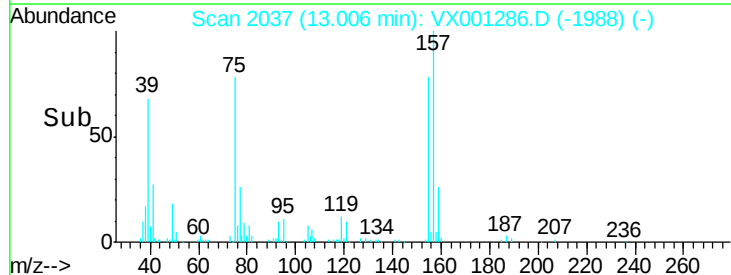
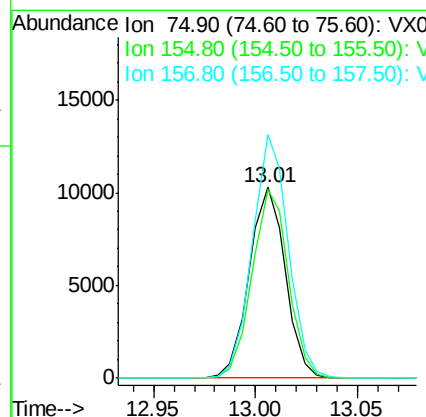
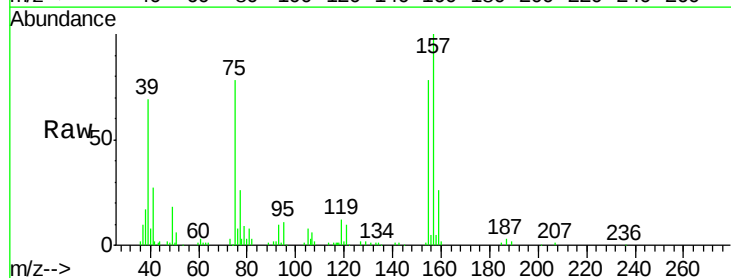
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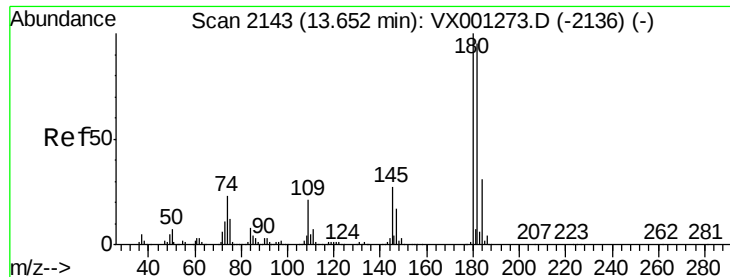
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.97 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001286.D
 Acq: 01 May 2018 19:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.4	49.9	149.7
157	127.2	63.7	191.1





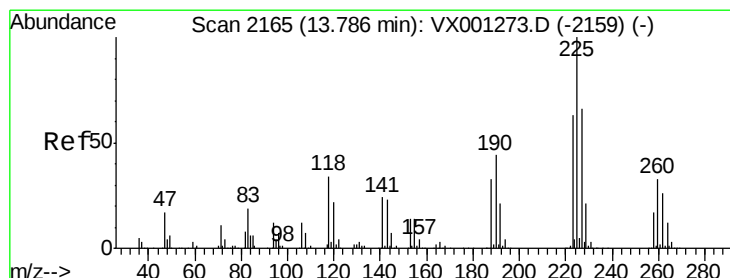
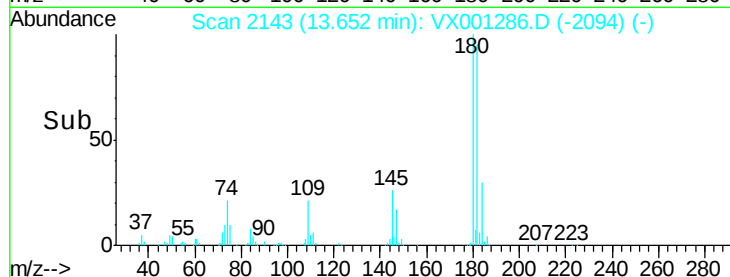
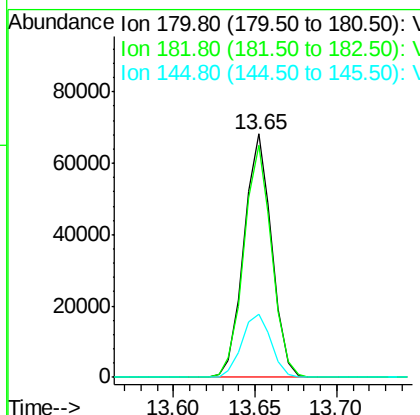
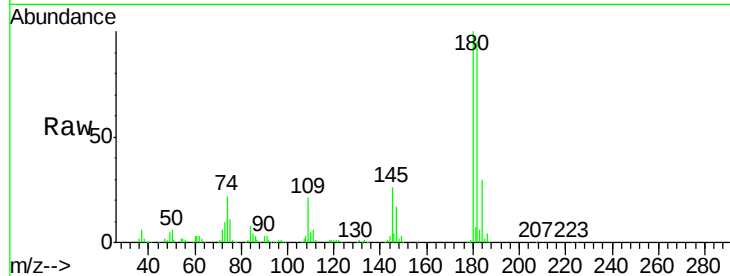
#93
 1,2,4-Trichlorobenzene
 Concen: 17.90 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001286.D
 Acq: 01 May 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	80779		
182	95.8	47.3	141.9	
145	27.4	13.5	40.4	

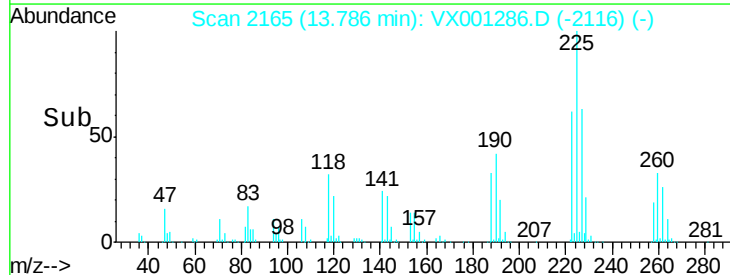
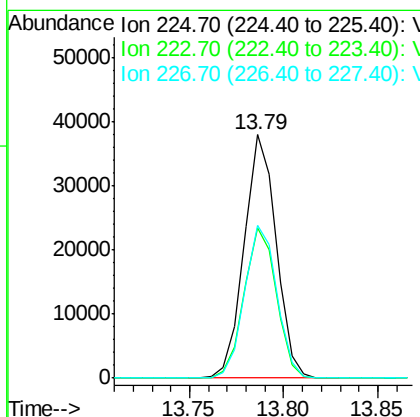
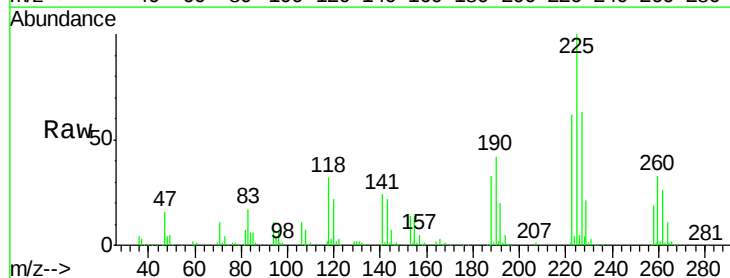
Manual Integrations
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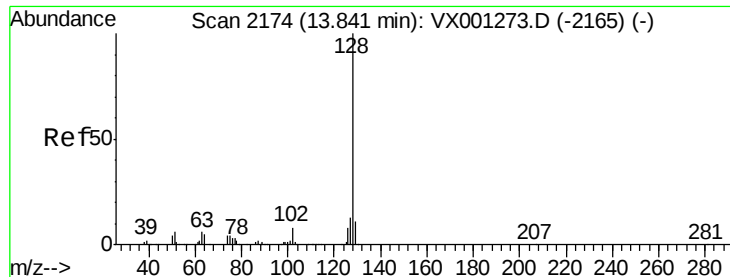
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#94
 Hexachlorobutadiene
 Concen: 18.96 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001286.D
 Acq: 01 May 2018 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	44768		
223	62.4	31.4	94.0	
227	63.1	32.5	97.5	





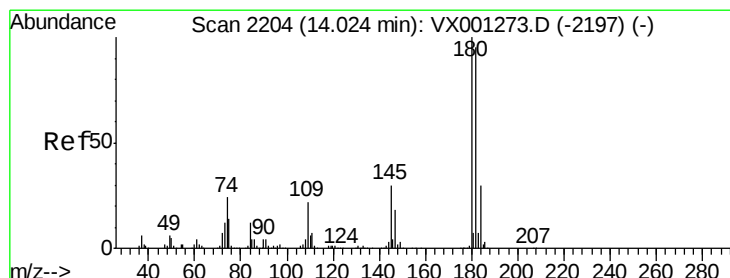
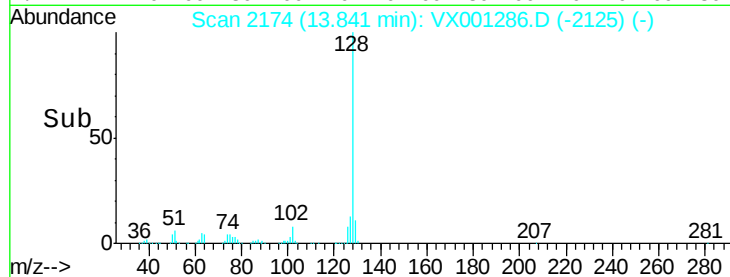
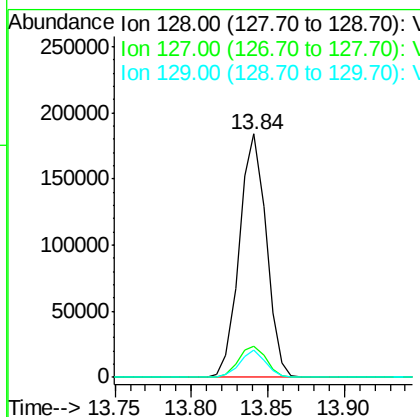
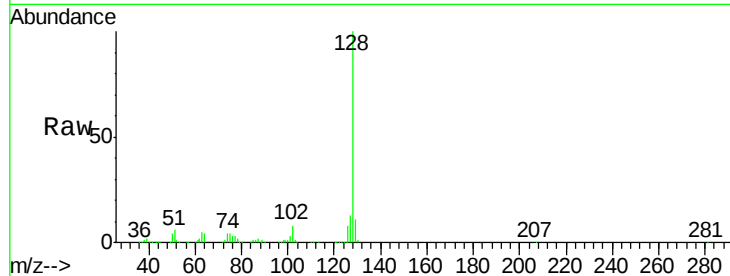
#95
Naphthalene
Concen: 19.64 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001286.D
Acq: 01 May 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
VX0501WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	224823		
127	13.1		10.5	15.7
129	10.7		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.85 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX001286.D
Acq: 01 May 2018 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	83507		
182	95.1		48.1	144.3
145	28.2		14.4	43.4

