

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080818\
 Data File : VX003920.D
 Acq On : 08 Aug 2018 13:45
 Operator : JC/MD
 Sample : VX0808WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/9/2018 10:39:39 AM

Quant Time: Aug 09 03:48:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	337210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	495091	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	465757	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	274539	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	219956	49.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.42%	
35) Dibromofluoromethane	5.51	113	180715	48.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.36%	
50) Toluene-d8	8.71	98	700534	48.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.06%	
62) 4-Bromofluorobenzene	11.14	95	256385	54.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	66243	19.38	ug/l	99
3) Chloromethane	1.32	50	82339	17.71	ug/l	99
4) Vinyl Chloride	1.40	62	88402	19.07	ug/l	98
5) Bromomethane	1.64	94	54039	19.58	ug/l	100
6) Chloroethane	1.72	64	62059	20.92	ug/l	98
7) Trichlorofluoromethane	1.93	101	115200	18.82	ug/l	98
8) Diethyl Ether	2.19	74	53182	19.33	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	72653	18.99	ug/l	99
10) Methyl Iodide	2.51	142	89138	18.73	ug/l	99
11) Tert butyl alcohol	3.07	59	102938	95.83	ug/l	98
12) 1,1-Dichloroethene	2.37	96	68373	18.89	ug/l	98
13) Acrolein	2.29	56	45767	78.25	ug/l	100
14) Allyl chloride	2.73	41	133610	19.15	ug/l	99
15) Acrylonitrile	3.15	53	242602	94.65	ug/l	100
16) Acetone	2.45	43	263668	99.15	ug/l	98
17) Carbon Disulfide	2.57	76	180560	17.89	ug/l	99
18) Methyl Acetate	2.78	43	112527	19.43	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	248388	19.37	ug/l	99
20) Methylene Chloride	2.86	84	82226	18.47	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	75517	18.38	ug/l	97
22) Diisopropyl ether	3.87	45	244571	19.07	ug/l	98
23) Vinyl Acetate	3.82	43	1029970	96.52	ug/l	99
24) 1,1-Dichloroethane	3.70	63	144555	18.98	ug/l	99
25) 2-Butanone	4.71	43	388688	97.21	ug/l	99
26) 2,2-Dichloropropane	4.59	77	109628	19.95	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	85246	19.12	ug/l	99
28) Bromochloromethane	5.02	49	67247	20.63	ug/l	100
29) Tetrahydrofuran	5.16	42	194544	94.67	ug/l	100
30) Chloroform	5.21	83	139905	19.51	ug/l	99
31) Cyclohexane	5.57	56	119447	18.54	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	117048	19.46	ug/l	99
36) 1,1-Dichloropropene	5.80	75	102132	18.42	ug/l	99
37) Ethyl Acetate	4.86	43	114982	18.85	ug/l	99
38) Carbon Tetrachloride	5.78	117	100425	19.03	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	117837	18.02	ug/l	98
40) Benzene	6.14	78	320845	19.27	ug/l	100
41) Methacrylonitrile	5.06	41	62920	18.73	ug/l	98
42) 1,2-Dichloroethane	6.20	62	111544	19.81	ug/l	100
43) Isopropyl Acetate	6.46	43	171789	18.72	ug/l	100
44) Trichloroethene	7.21	130	85461	18.77	ug/l	92
45) 1,2-Dichloropropane	7.52	63	82309	19.14	ug/l	99
46) Dibromomethane	7.67	93	53285	19.09	ug/l	100
47) Bromodichloromethane	7.90	83	99634	18.95	ug/l	100
48) Methyl methacrylate	7.78	41	88274	18.92	ug/l	99
49) 1,4-Dioxane	7.76	88	42055	382.61	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	746566	98.12	ug/l	99
52) Toluene	8.79	92	204715	19.46	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	110727	18.63	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	122983	19.19	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	83292	19.37	ug/l	99
56) Ethyl methacrylate	9.18	69	117967	18.91	ug/l	99
57) 1,3-Dichloropropane	9.37	76	140562	19.54	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	308915	100.71	ug/l	99
59) 2-Hexanone	9.50	43	566318	99.58	ug/l	99
60) Dibromochloromethane	9.59	129	78390	19.56	ug/l	100
61) 1,2-Dibromoethane	9.67	107	86099	20.00	ug/l	99
64) Tetrachloroethene	9.34	164	80548	17.58	ug/l	94
65) Chlorobenzene	10.14	112	227809	18.80	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	79507	19.08	ug/l	99
67) Ethyl Benzene	10.25	91	377518	19.03	ug/l	98
68) m/p-Xylenes	10.36	106	299021	38.57	ug/l	97
69) o-Xylene	10.70	106	142999	19.54	ug/l	96
70) Styrene	10.71	104	237860	19.85	ug/l	98
71) Bromoform	10.86	173	59325	18.73	ug/l	98
73) Isopropylbenzene	11.02	105	383086	18.86	ug/l	97
74) N-amyl acetate	6.46	43	171789	16.27	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	129160	18.56	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	115603m	19.06	ug/l	
77) Bromobenzene	11.26	156	101981	18.82	ug/l	100
78) n-propylbenzene	11.36	91	437461	19.18	ug/l	100
79) 2-Chlorotoluene	11.42	91	261899	18.84	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	317236	19.16	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	35456	17.42	ug/l	96
82) 4-Chlorotoluene	11.51	91	306576	18.82	ug/l	100
83) tert-Butylbenzene	11.77	119	313156	19.22	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	328419	19.72	ug/l	99
85) sec-Butylbenzene	11.94	105	369869	19.24	ug/l	100
86) p-Isopropyltoluene	12.07	119	332933	19.30	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	187361	18.71	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	190406	19.67	ug/l	99
89) n-Butylbenzene	12.39	91	253476	16.86	ug/l	99
90) Hexachloroethane	12.60	117	47047	16.79	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	174208	17.55	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	22661	15.89	ug/l	95

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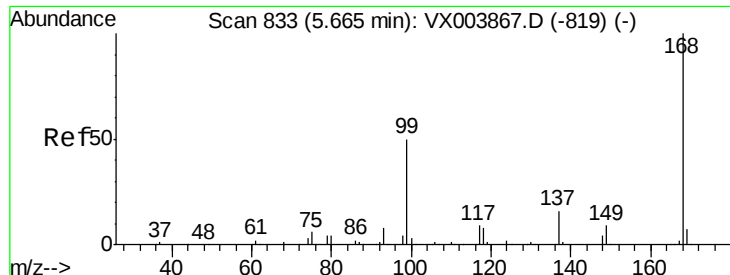
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	126096	17.66	ug/l	99
94) Hexachlorobutadiene	13.79	225	57712	18.59	ug/l	97
95) Naphthalene	13.83	128	397672	19.45	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	134439	18.87	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

Instrument :

MSVOA_X

ClientSampled :

VX0808WBS02

Tot Ion:168 Resp: 337210

Ion Ratio Lower Upper

168 100

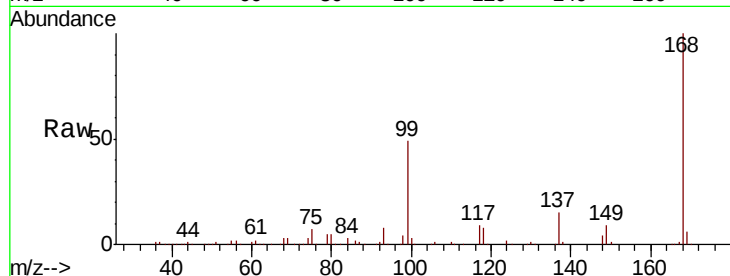
99 48.8 40.1 60.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

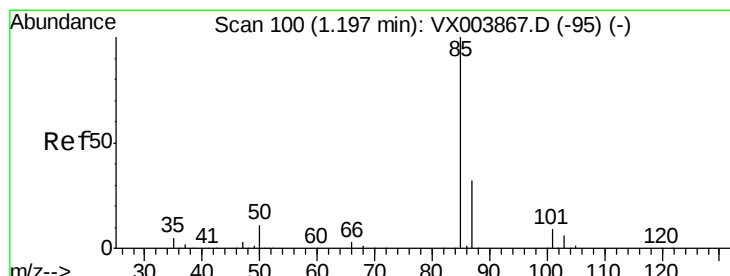
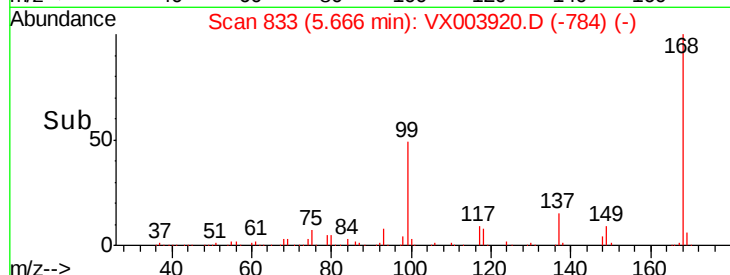
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 19.38 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003920.D

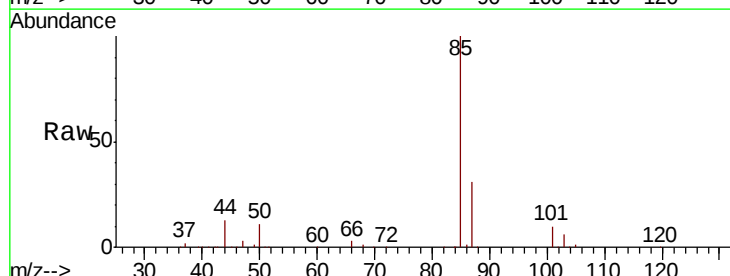
Acq: 08 Aug 2018 13:45

Tgt Ion: 85 Resp: 66243

Ion Ratio Lower Upper

85 100

87 31.2 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

80000

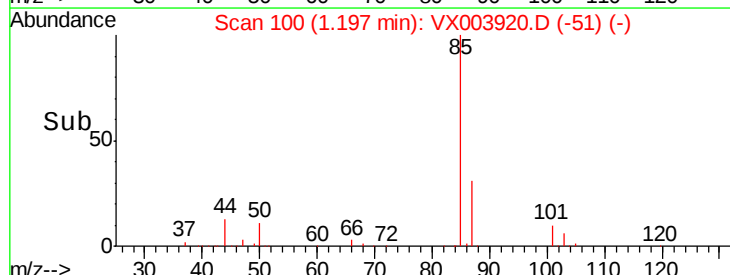
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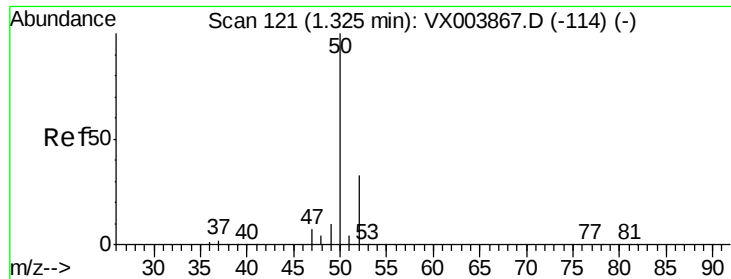
40000

20000

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Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 17.71 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBS02

Tot Ion: 50 Resp: 82339

Ion Ratio Lower Upper

50 100

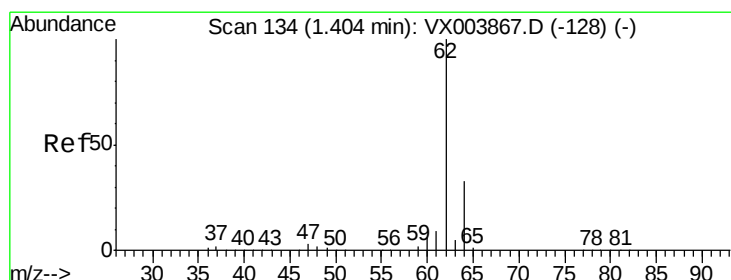
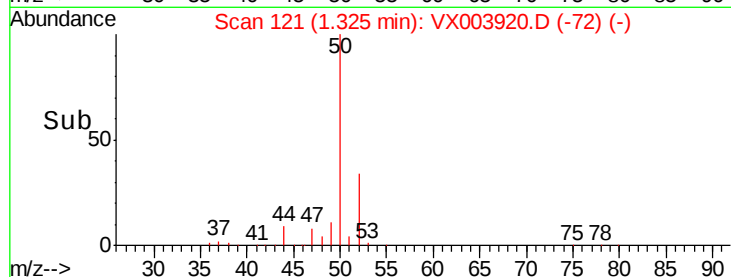
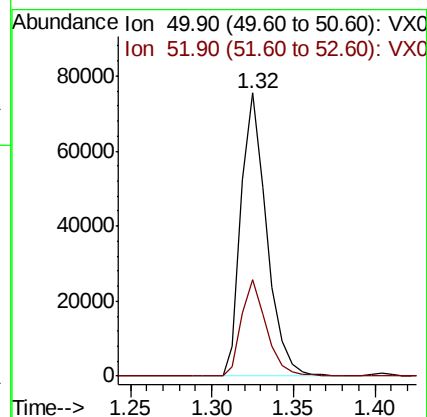
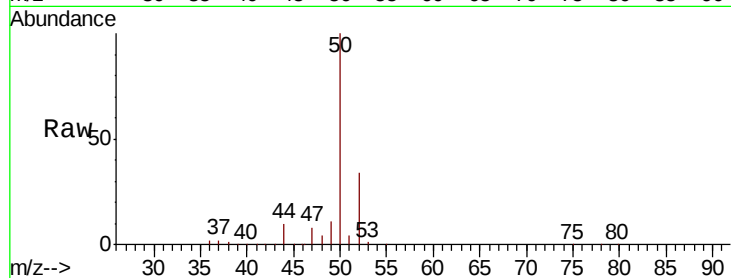
52 34.0 26.6 39.8

Manual Integrations

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8/9/2018 10:39:39 AM



#4

Vinyl Chloride

Concen: 19.07 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003920.D

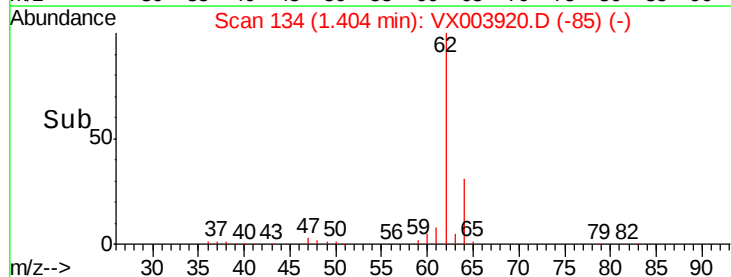
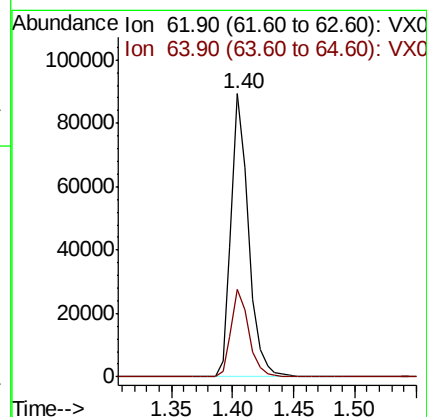
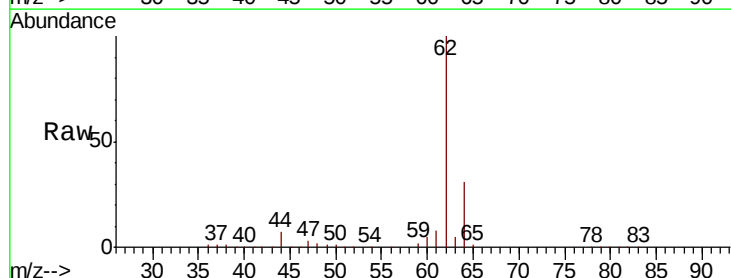
Acq: 08 Aug 2018 13:45

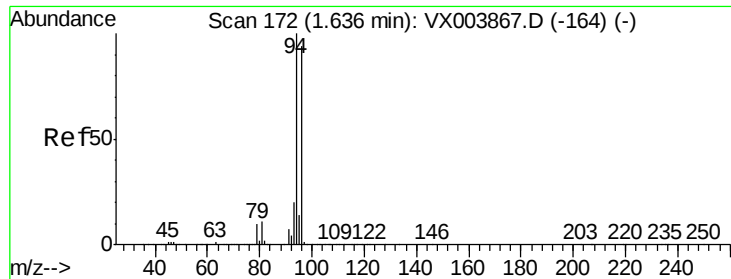
Tgt Ion: 62 Resp: 88402

Ion Ratio Lower Upper

62 100

64 31.1 26.0 39.0





#5

Bromomethane

Concen: 19.58 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBS02

Tot Ion: 94 Resp: 54039

Ion Ratio Lower Upper

94 100

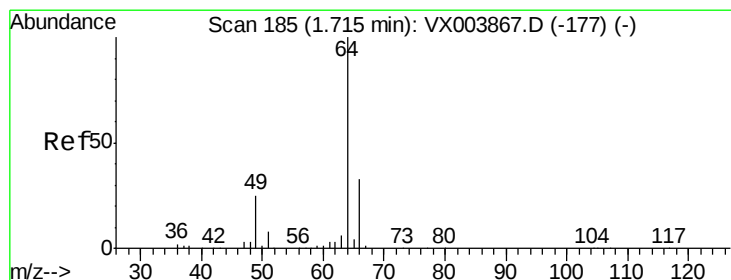
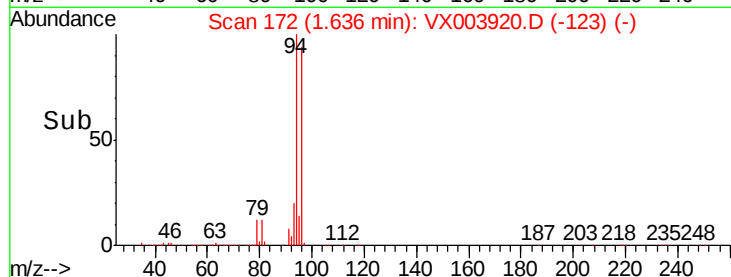
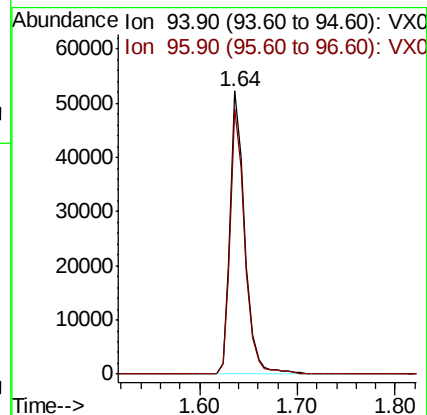
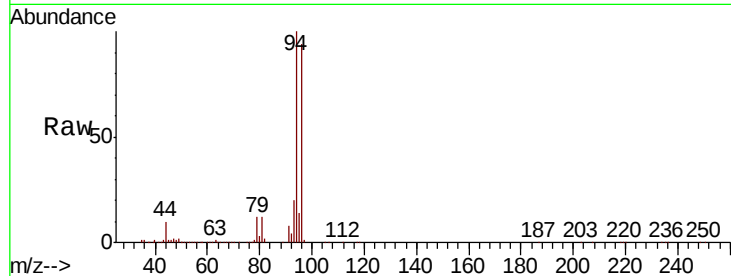
96 93.7 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 20.92 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003920.D

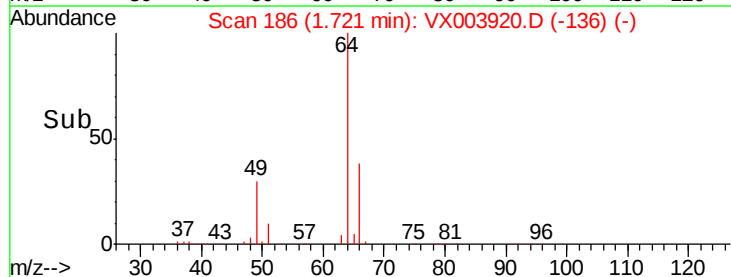
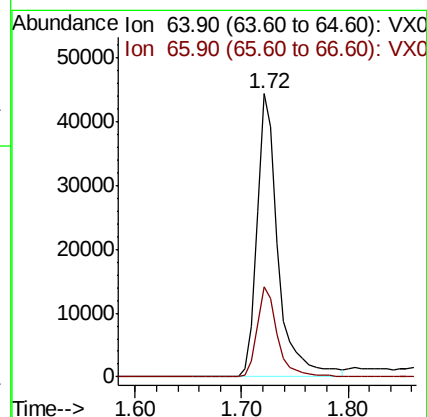
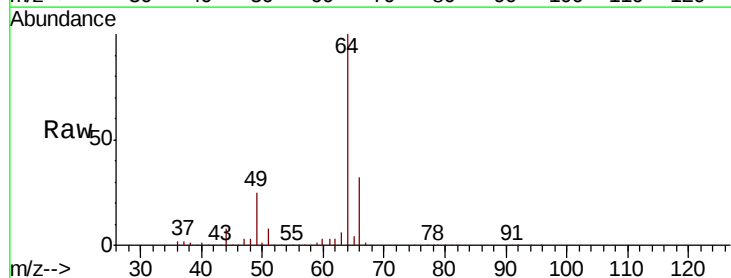
Acq: 08 Aug 2018 13:45

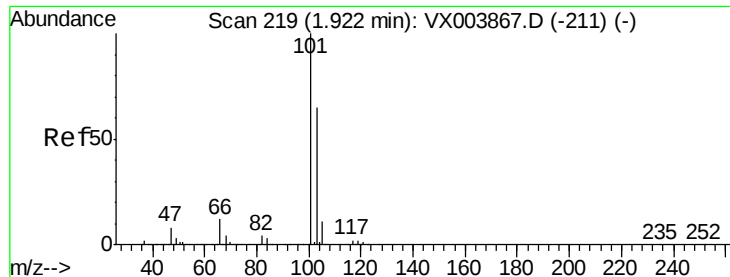
Tgt Ion: 64 Resp: 62059

Ion Ratio Lower Upper

64 100

66 31.7 26.5 39.7





#7

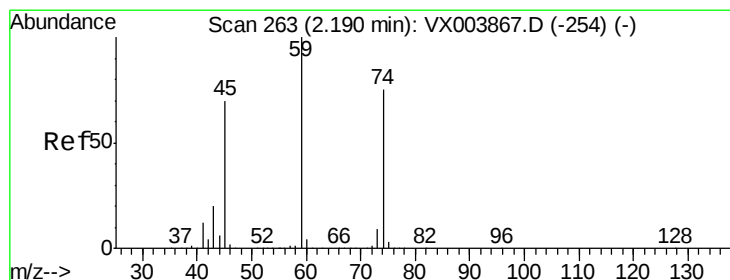
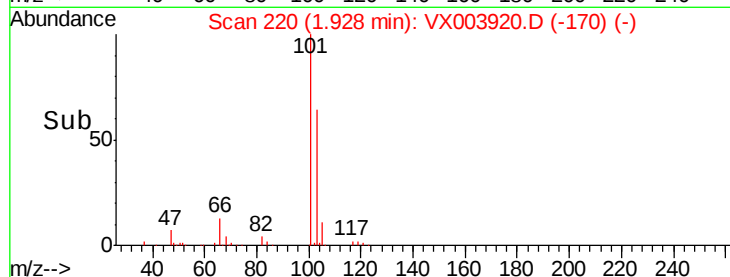
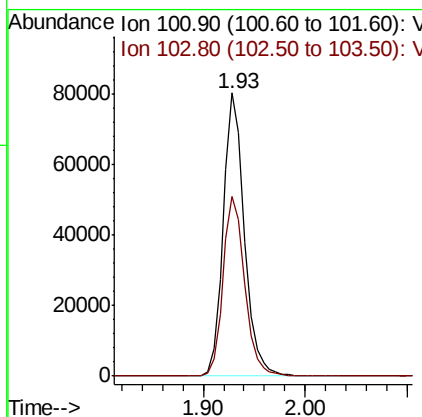
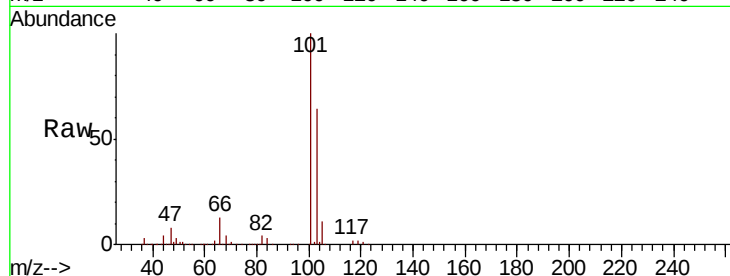
Trichlorofluoromethane
 Concen: 18.82 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX003920.D
 Acq: 08 Aug 2018 13:45

Instrument :
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 ClientSampleId :
 VX0808WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.3	78.5

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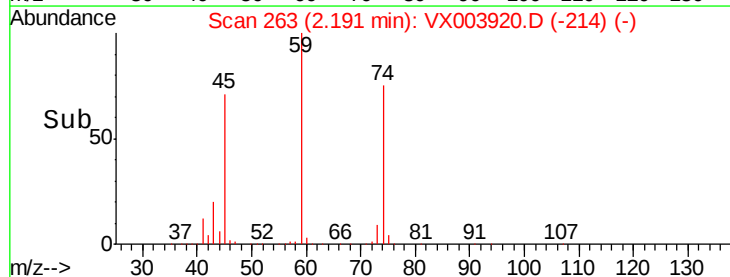
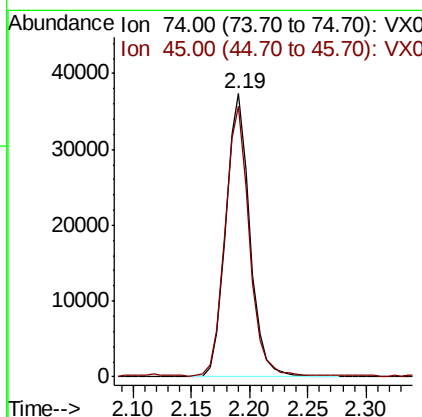
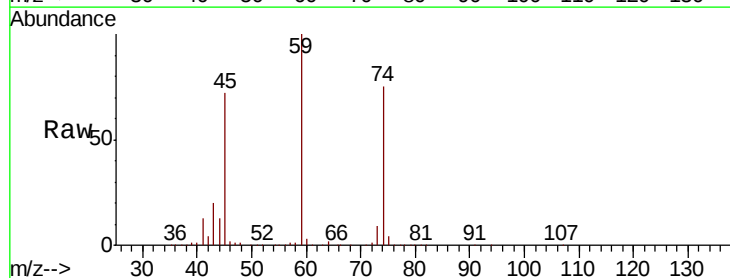
MMDadoda
 8/9/2018 10:39:39 AM

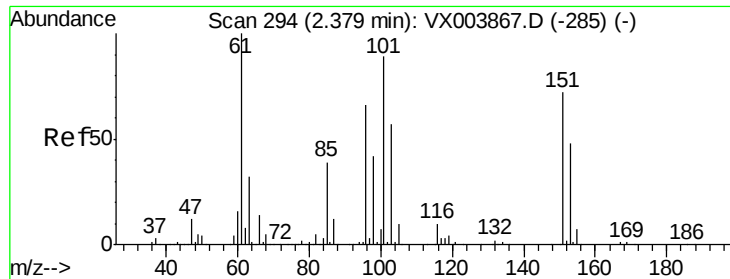


#8

Diethyl Ether
 Concen: 19.33 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003920.D
 Acq: 08 Aug 2018 13:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.5	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.99 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

Instrument :

MSVOA_X

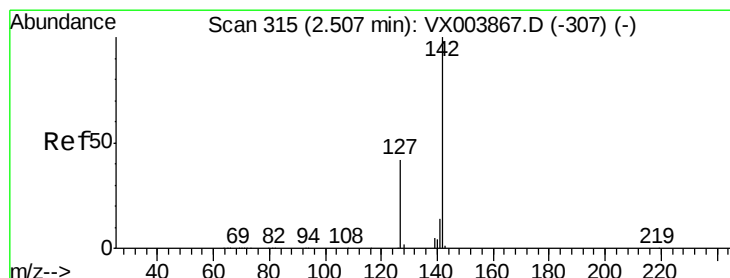
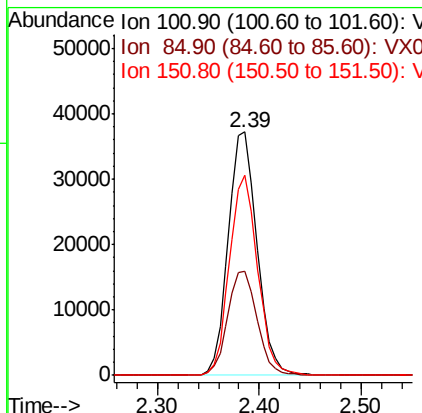
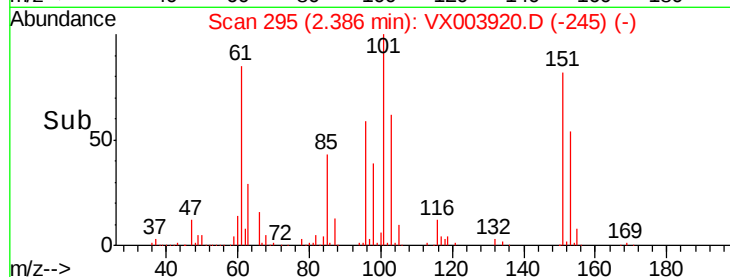
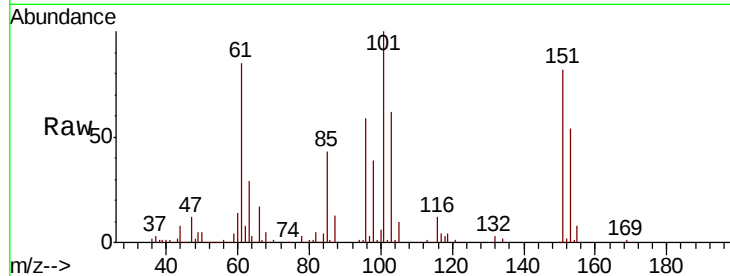
ClientSampleId :

VX0808WBS02

Tot Ion:	101	Resp:	72653
Ion Ratio	Lower	Upper	
101	100		
85	43.5	34.2	51.4
151	80.2	65.0	97.4

Manual Integrations
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8/9/2018 10:39:39 AM



#10

Methyl Iodide

Concen: 18.73 ug/l

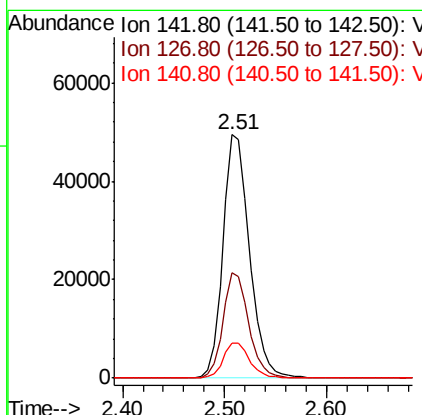
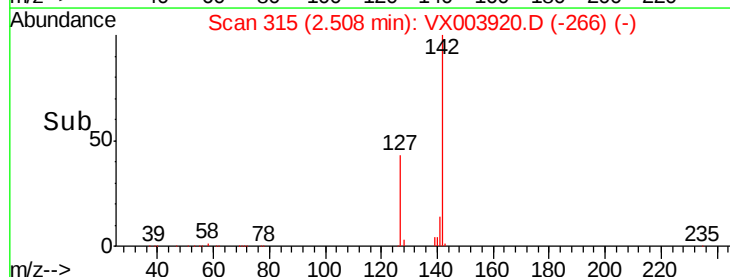
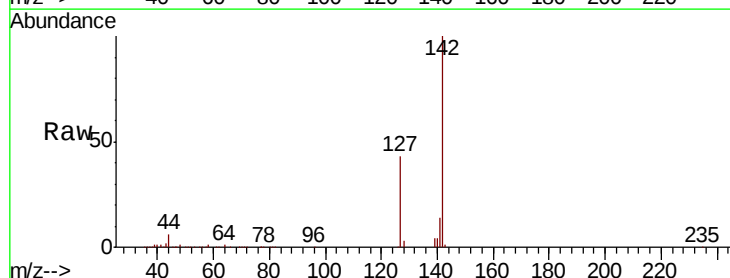
RT: 2.51 min Scan# 315

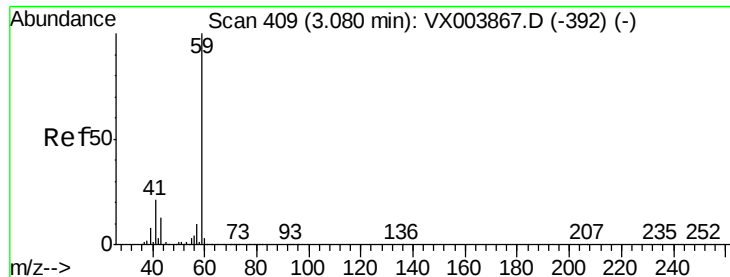
Delta R.T. 0.00 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

Tgt Ion:	142	Resp:	89138
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.1	49.7
141	14.5	11.1	16.7





#11

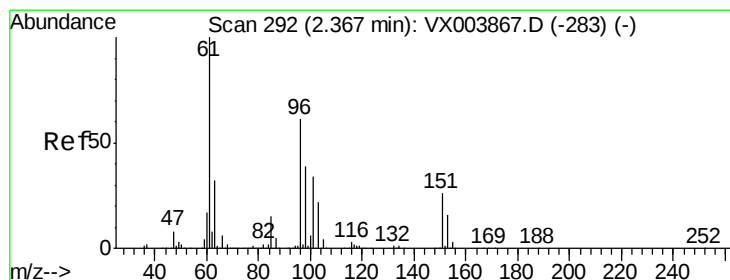
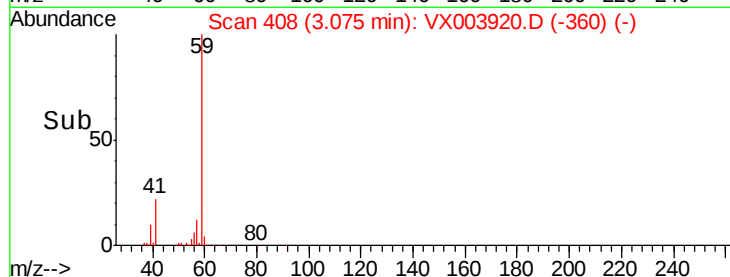
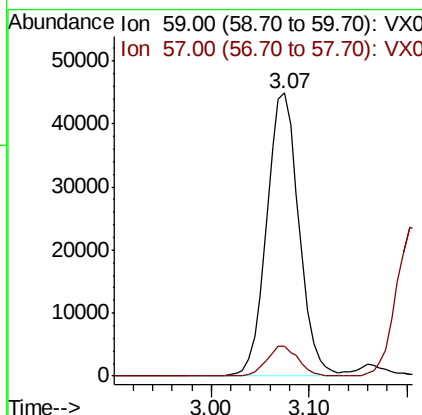
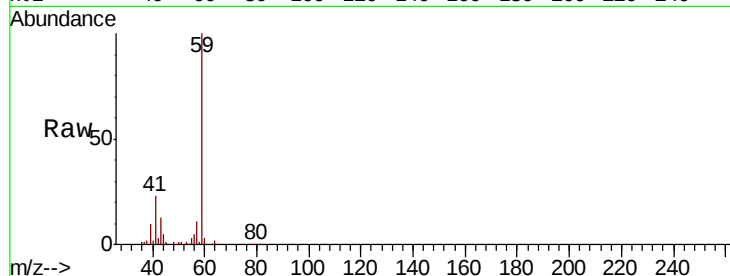
Tert butyl alcohol
 Concen: 95.83 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX003920.D
 Acq: 08 Aug 2018 13:45

Instrument :
 MSVOA_X
 ClientSampled :
 VX0808WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.1	12.1

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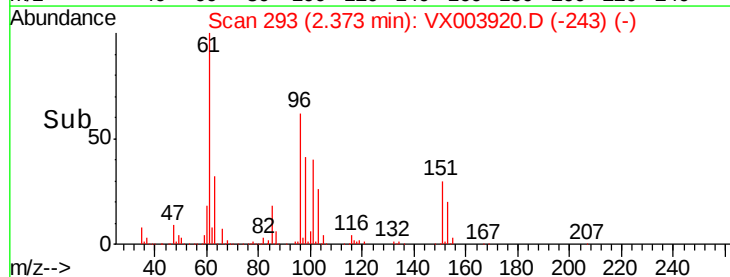
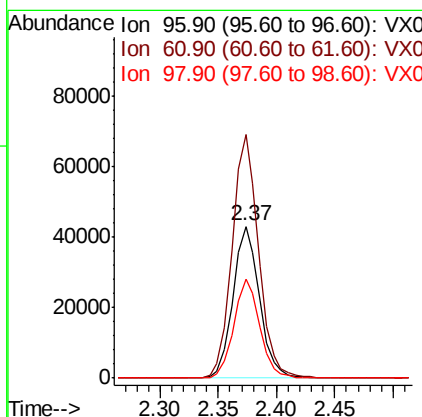
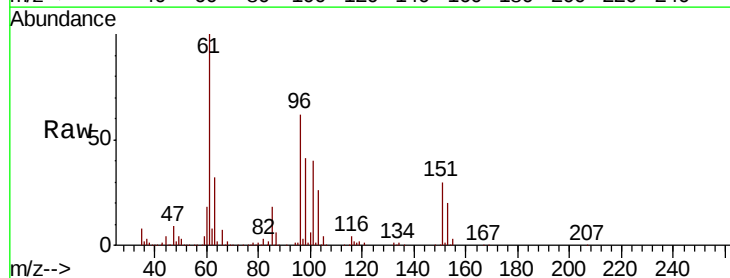
MMDadoda
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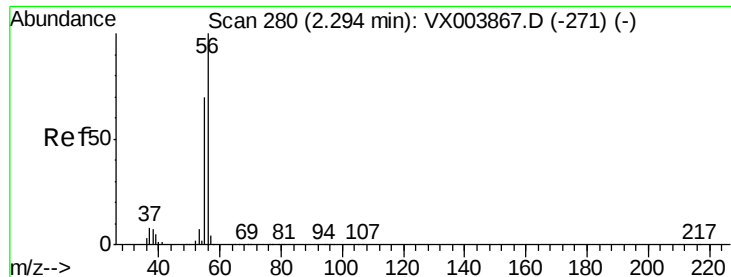


#12

1,1-Dichloroethene
 Concen: 18.89 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VX003920.D
 Acq: 08 Aug 2018 13:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.2	131.3	196.9
98	65.4	51.8	77.6





#13

Acrolein

Concen: 78.25 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBS02

Tot Ion: 56 Resp: 45767

Ion Ratio Lower Upper

56 100

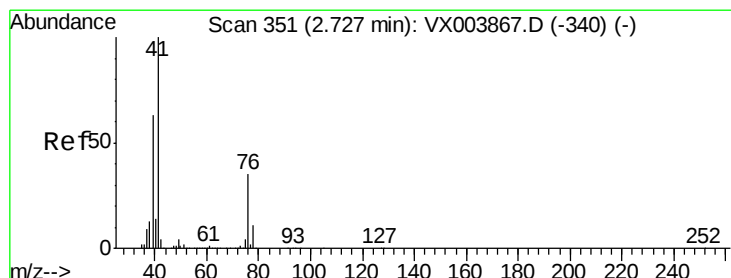
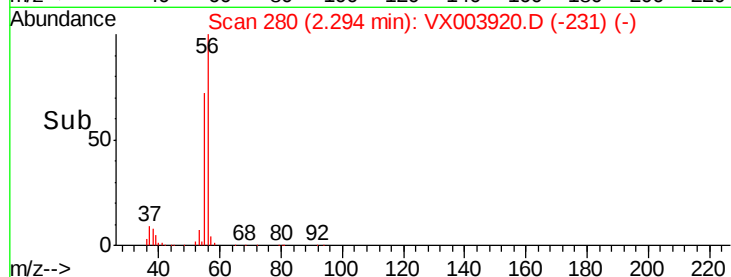
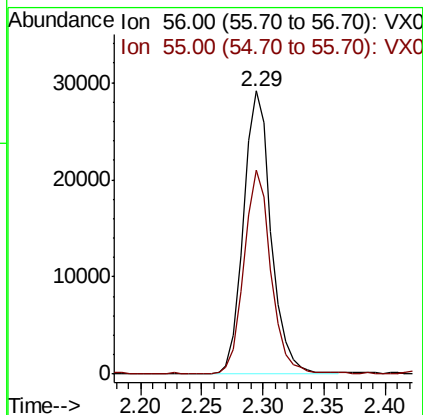
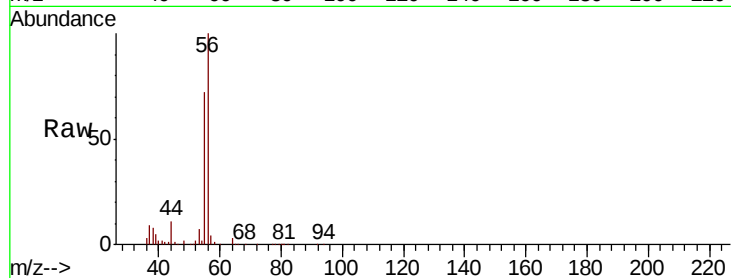
55 69.9 56.1 84.1

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#14

Allyl chloride

Concen: 19.15 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

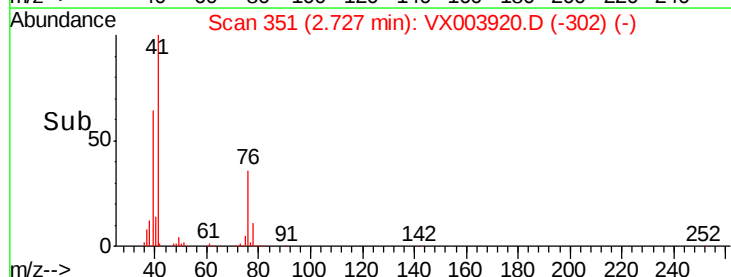
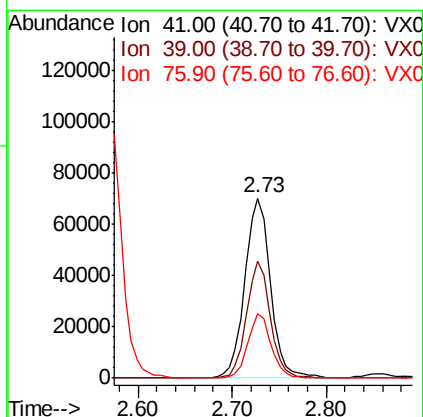
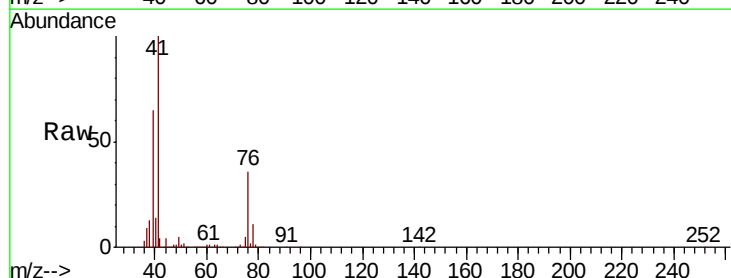
Tgt Ion: 41 Resp: 133610

Ion Ratio Lower Upper

41 100

39 60.2 47.4 71.0

76 32.6 26.0 39.0





#15

Acrylonitrile

Concen: 94.65 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

Instrument :

MSVOA_X

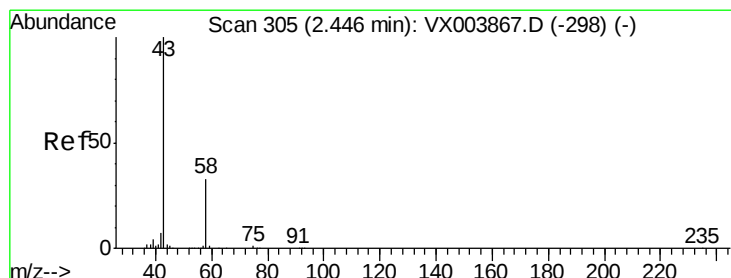
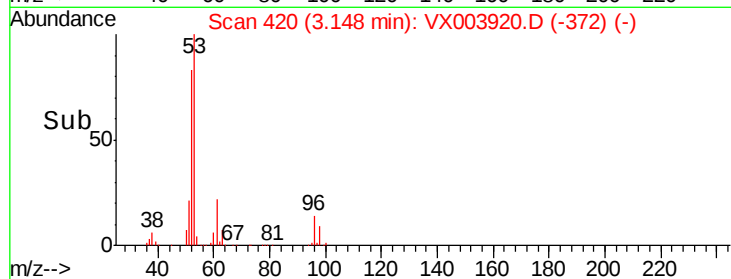
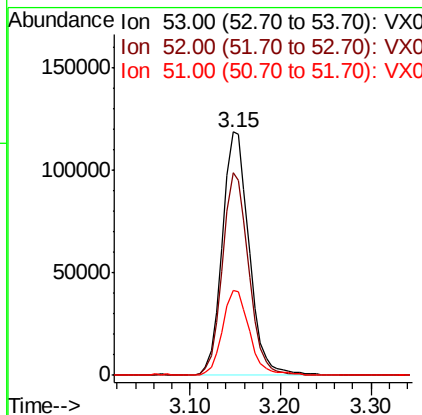
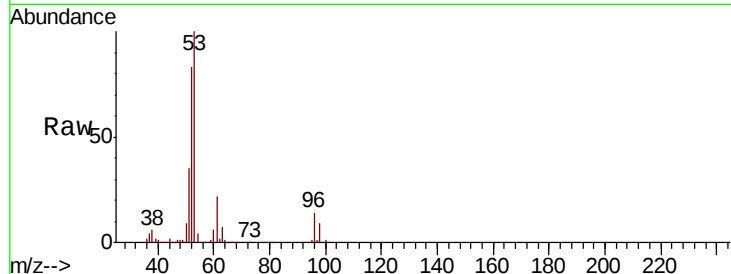
ClientSampleId :

VX0808WBS02

Tot Ion:	53	Resp:	242602
Ion Ratio		Lower	Upper
53	100		
52	81.5	65.3	97.9
51	35.0	27.9	41.9

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#16

Acetone

Concen: 99.15 ug/l

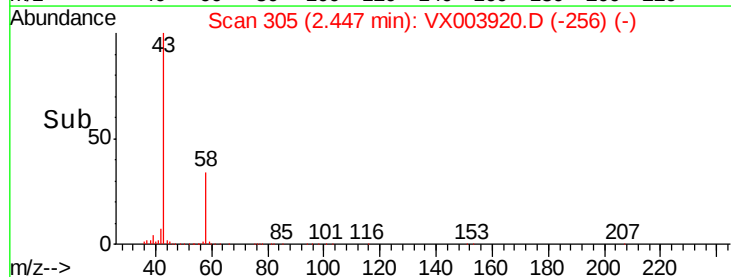
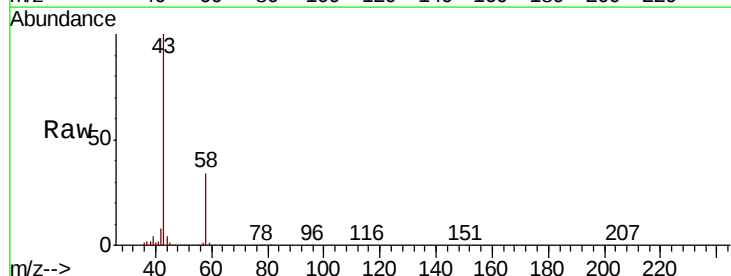
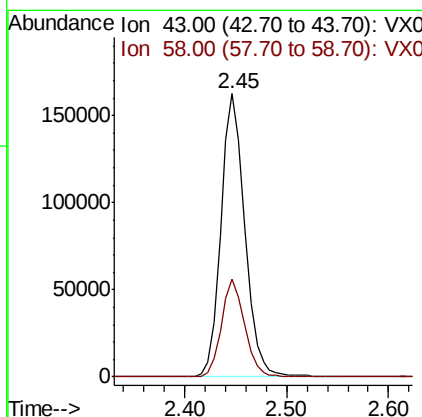
RT: 2.45 min Scan# 305

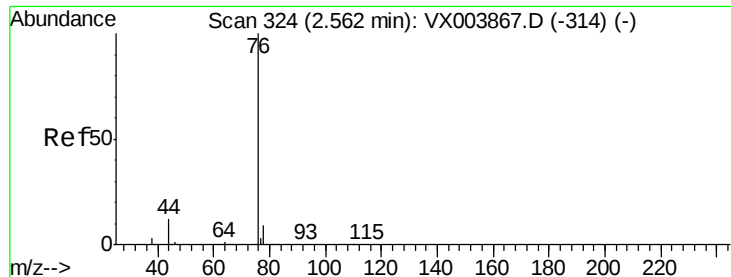
Delta R.T. 0.00 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

Tgt Ion:	43	Resp:	263668
Ion Ratio		Lower	Upper
43	100		
58	34.3	26.4	39.6





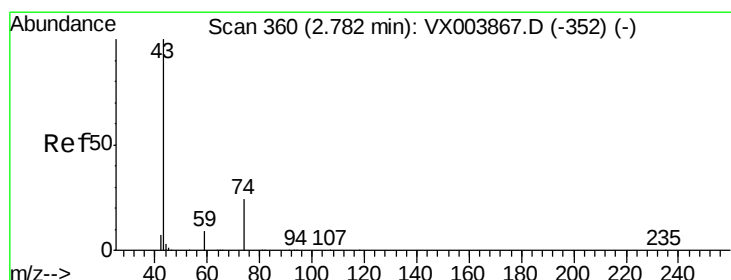
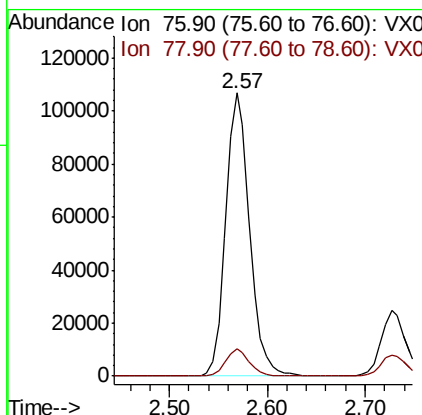
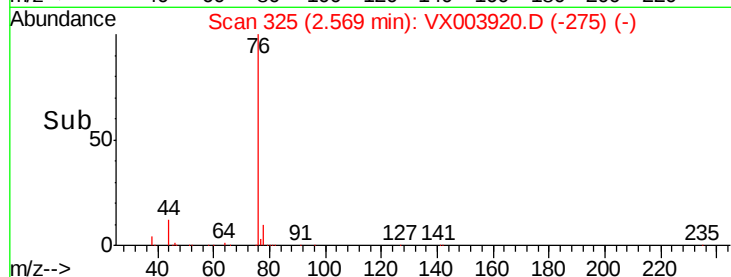
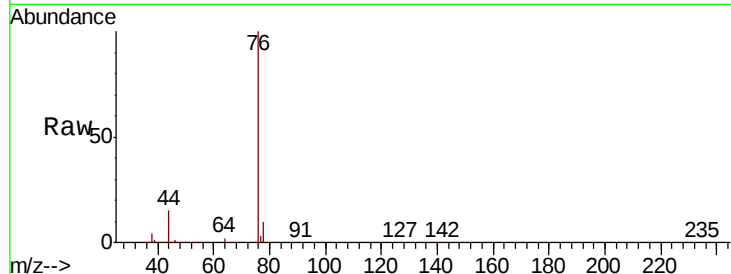
#17
Carbon Disulfide
Concen: 17.89 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.01 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.5	11.3

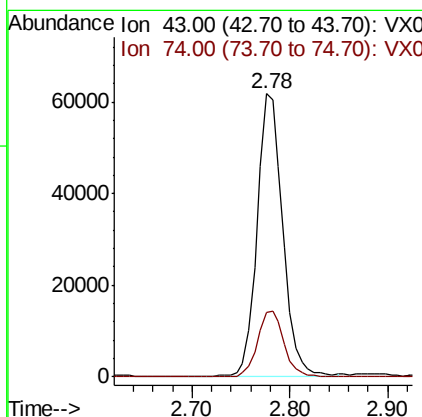
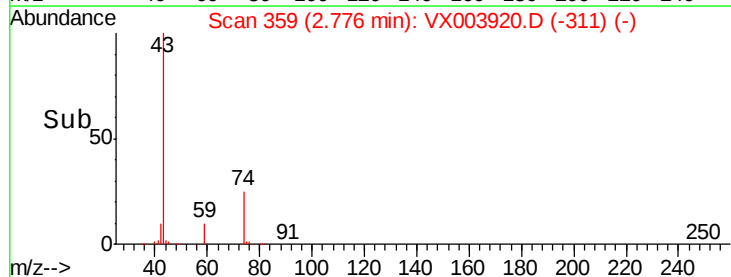
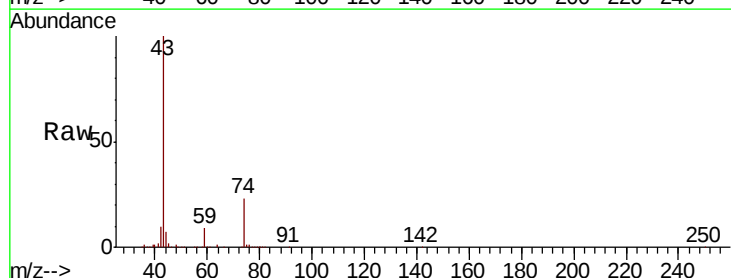
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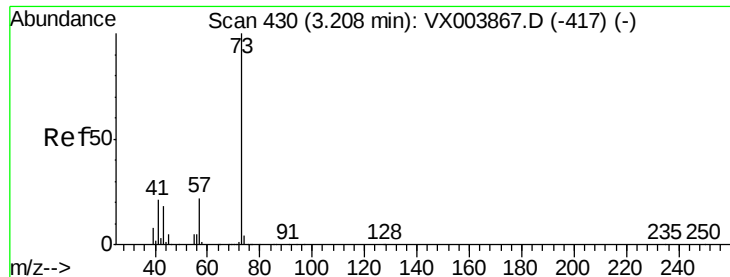
MMDadoda
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#18
Methyl Acetate
Concen: 19.43 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	18.9	28.3





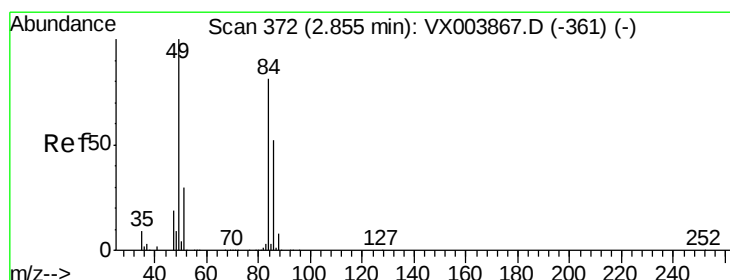
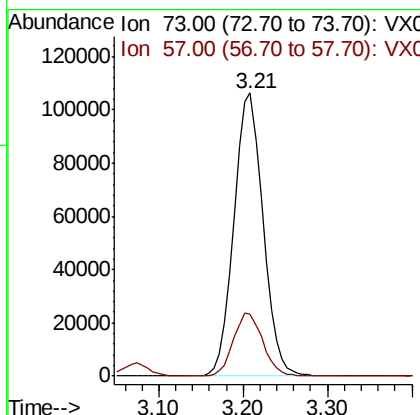
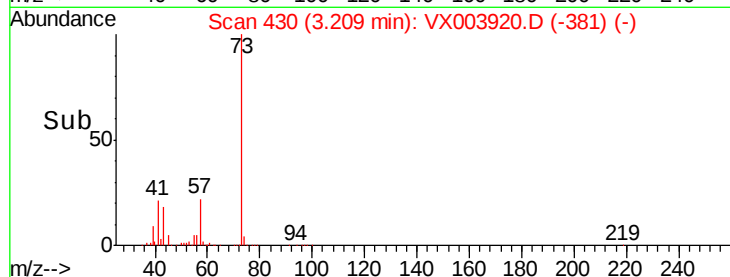
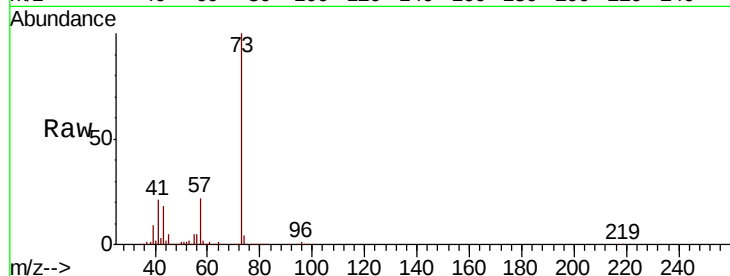
#19
Methvl tert-butvl Ether
Concen: 19.37 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS02

Tot Ion	73	Resp	248388
Ion Ratio	100	Lower	Upper
73	100	18.0	27.0
57	21.8		

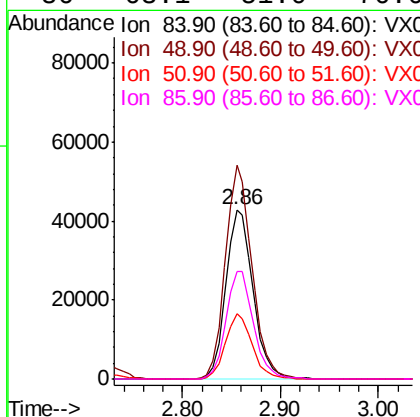
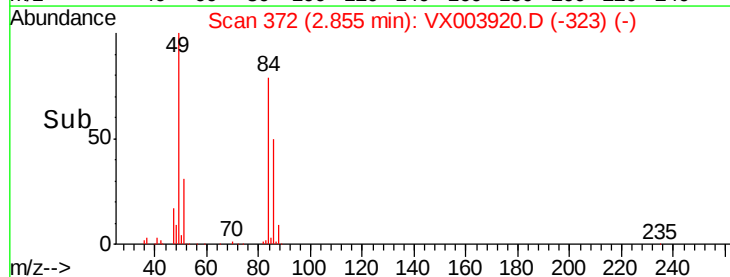
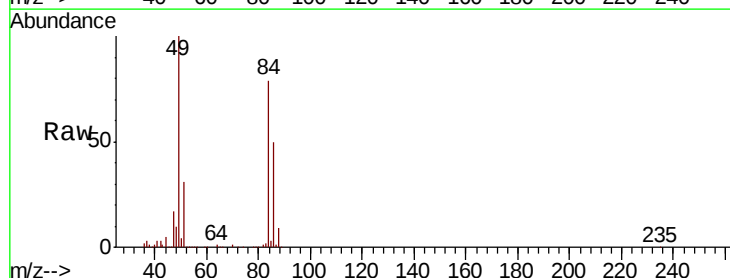
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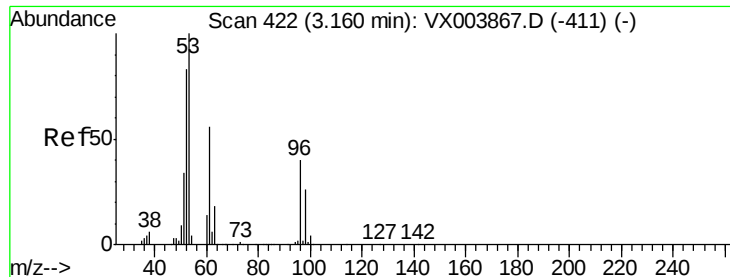
MMDadoda
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#20
Methylene Chloride
Concen: 18.47 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Tgt Ion	84	Resp	82226
Ion Ratio	100	Lower	Upper
84	100	98.9	148.3
49	125.9	29.9	44.9
51	38.4	51.0	76.6
86	63.1		





#21

trans-1,2-Dichloroethene

Concen: 18.38 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

Instrument :

MSVOA_X

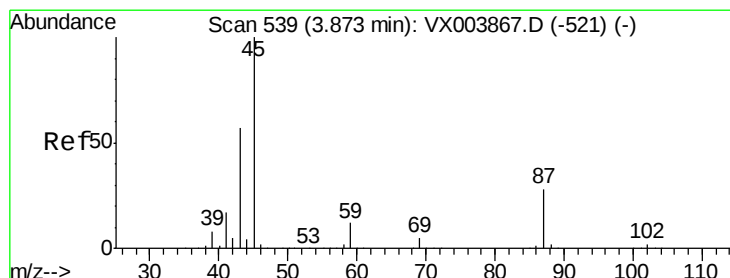
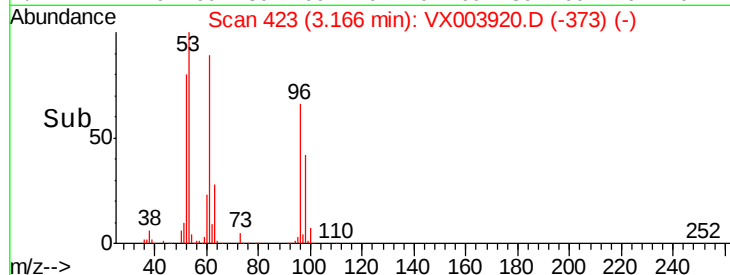
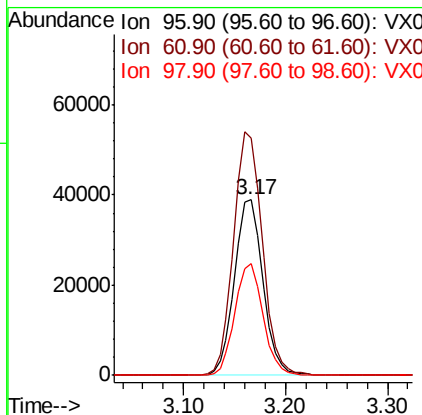
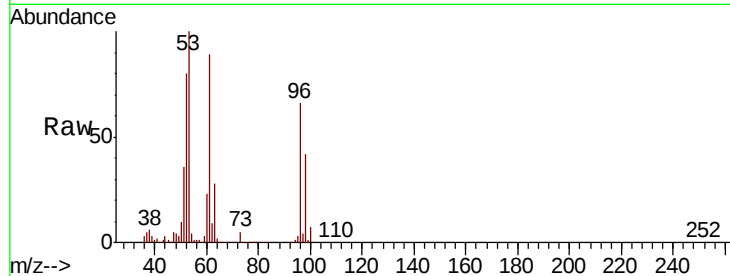
ClientSampleId :

VX0808WBS02

Tot Ion:	96	Resp:	75517
Ion	Ratio	Lower	Upper
96	100		
61	135.2	111.8	167.6
98	63.8	51.8	77.6

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#22

Diisopropyl ether

Concen: 19.07 ug/l

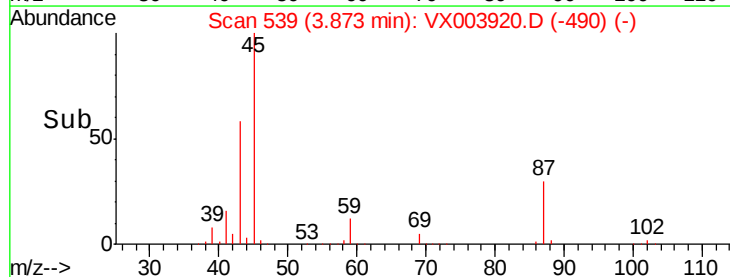
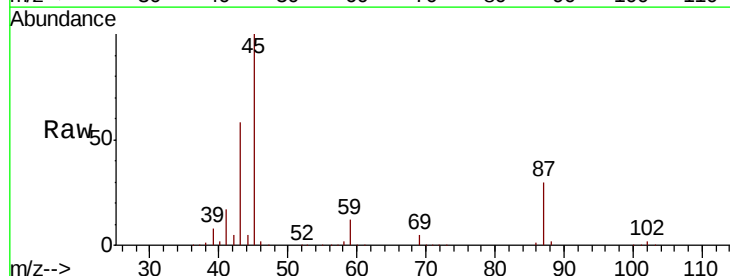
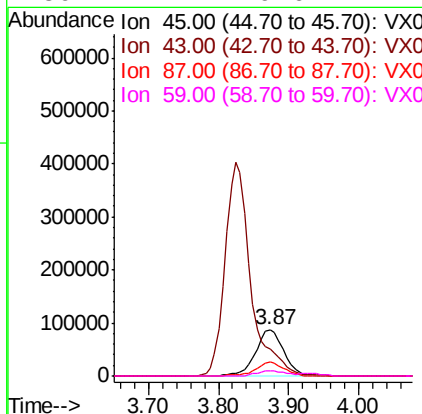
RT: 3.87 min Scan# 539

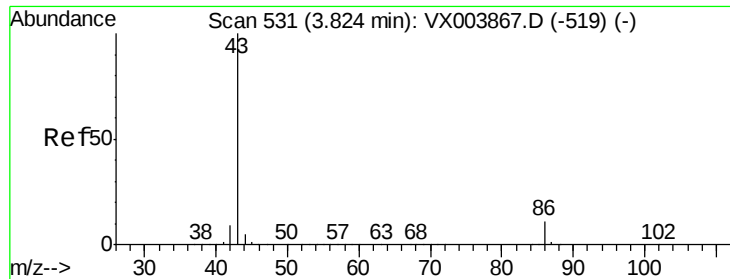
Delta R.T. 0.00 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

Tgt Ion:	45	Resp:	244571
Ion	Ratio	Lower	Upper
45	100		
43	57.9	45.3	67.9
87	29.5	22.7	34.1
59	11.7	9.6	14.4





#23

Vinyl Acetate

Concen: 96.52 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

Instrument :

MSVOA_X

ClientSampled :

VX0808WBS02

Tot Ion: 43 Resp: 1029970

Ion Ratio Lower Upper

43 100

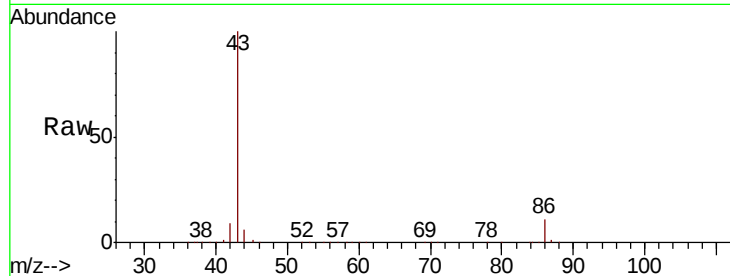
86 11.4 8.9 13.3

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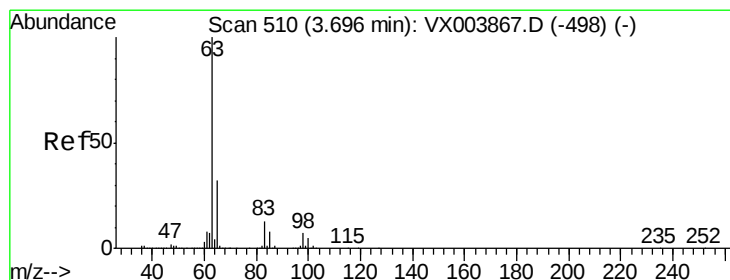
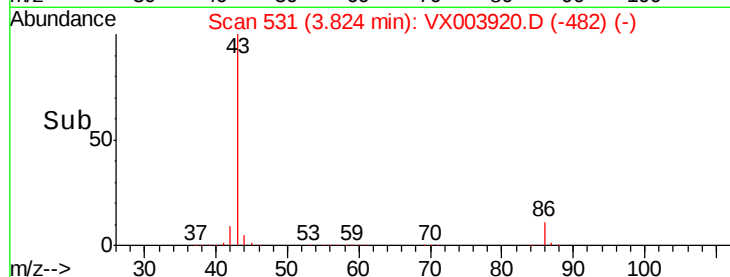
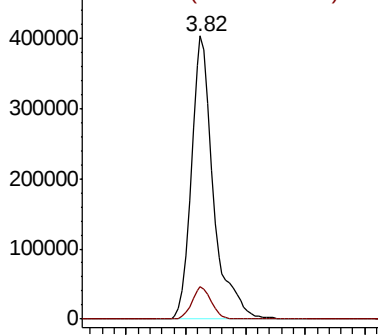
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.98 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

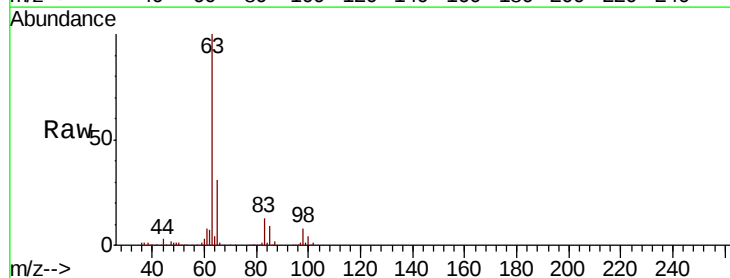
Tgt Ion: 63 Resp: 144555

Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.5

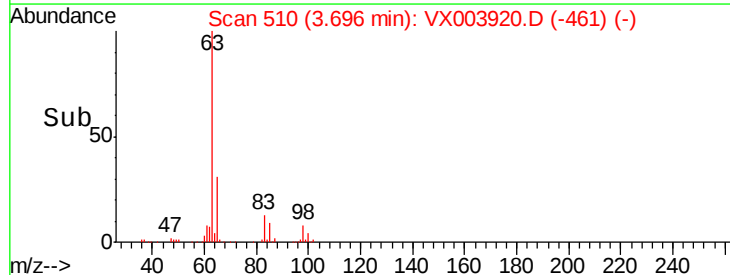
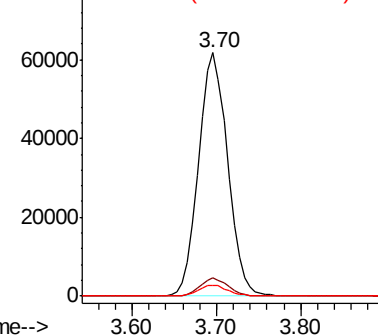
100 4.3 2.3 6.8

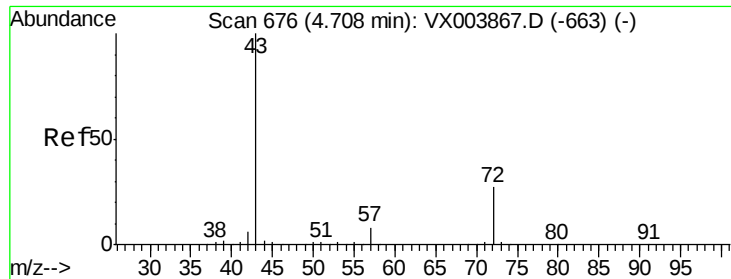


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 97.21 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBS02

Tot Ion: 43 Resp: 388688

Ion Ratio Lower Upper

43 100

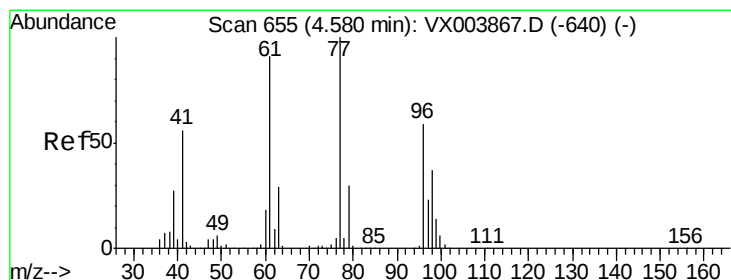
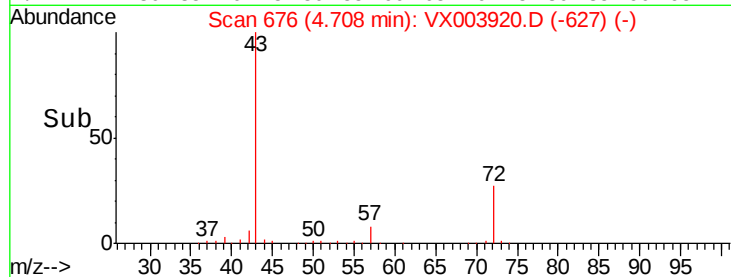
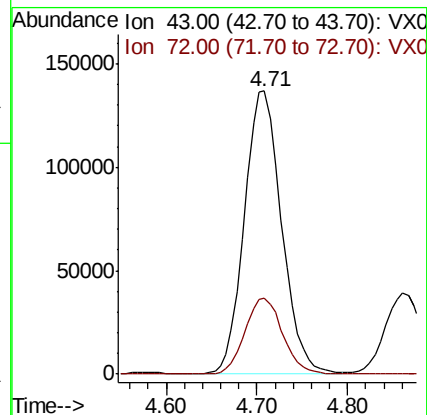
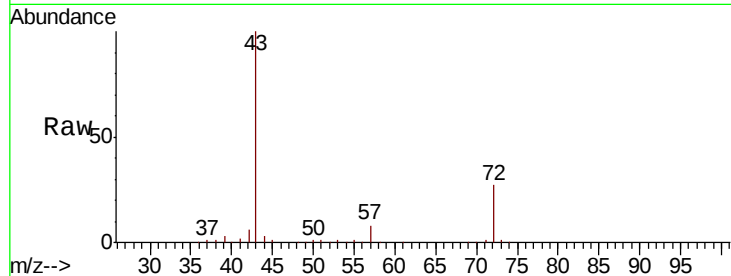
72 27.0 21.4 32.0

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#26

2,2-Dichloropropane

Concen: 19.95 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.01 min

Lab File: VX003920.D

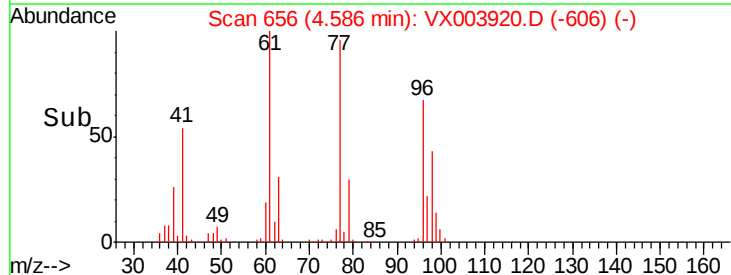
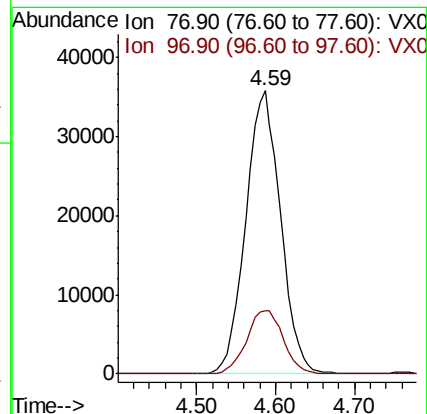
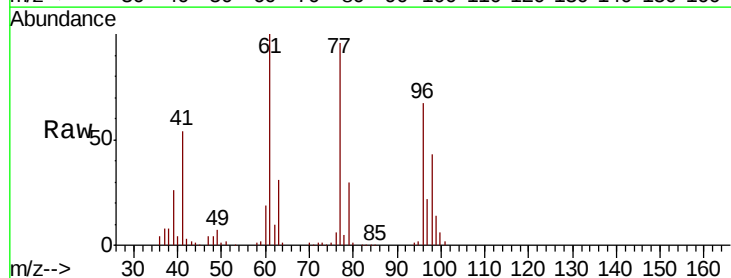
Acq: 08 Aug 2018 13:45

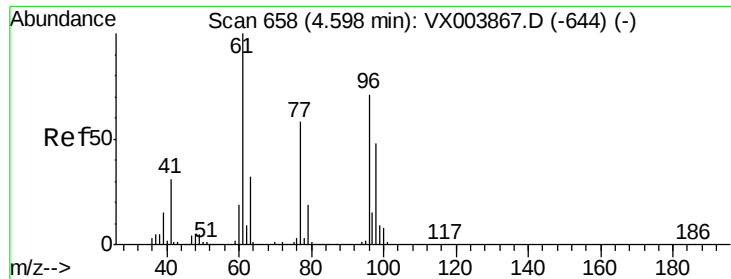
Tgt Ion: 77 Resp: 109628

Ion Ratio Lower Upper

77 100

97 23.6 11.9 35.9





#27

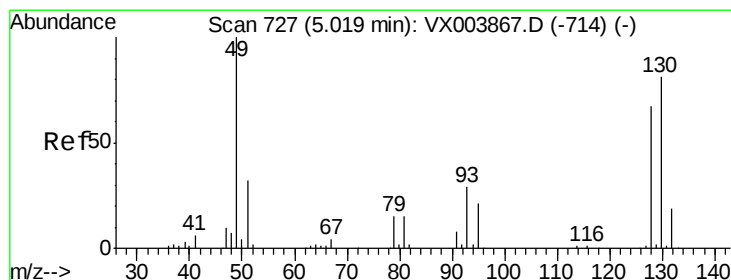
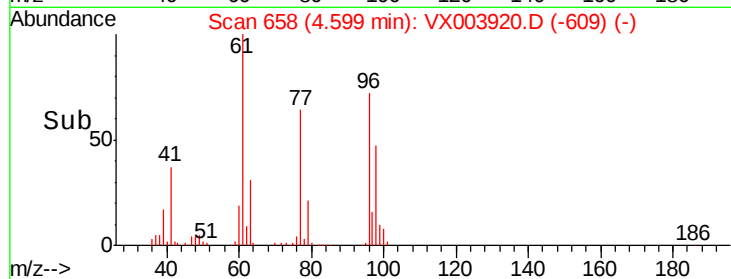
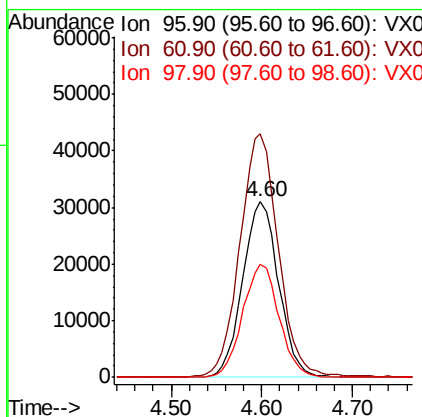
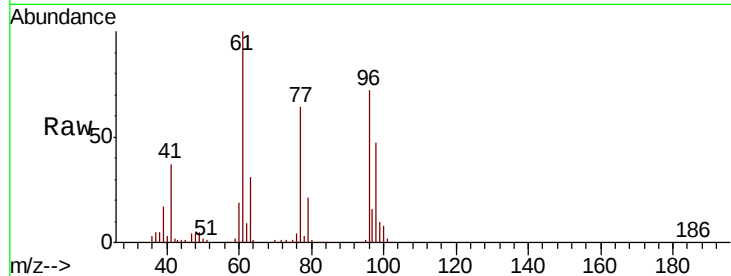
cis-1,2-Dichloroethene
Concen: 19.12 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	85246		
61	148.7		0.0	293.0
98	65.3		0.0	131.8

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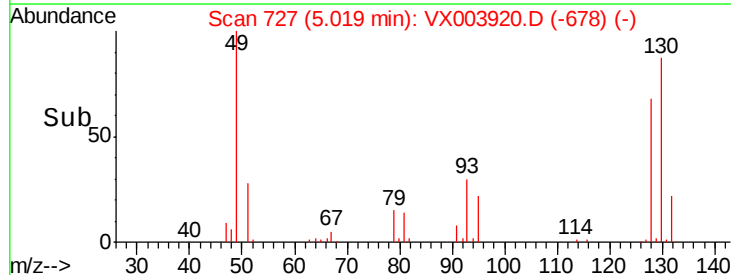
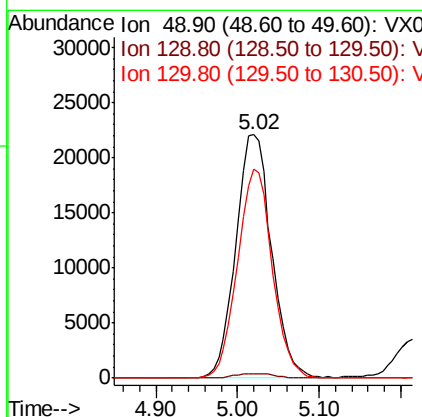
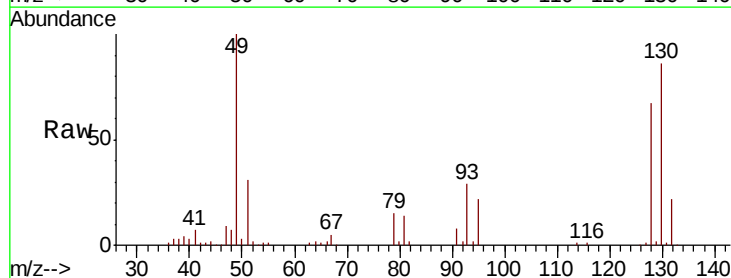
MMDadoda
8/9/2018 10:39:39 AM

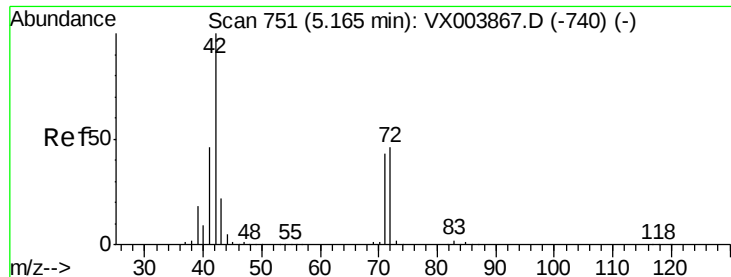


#28

Bromochloromethane
Concen: 20.63 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	67247		
129	2.1		0.0	4.2
130	83.5		66.5	99.7





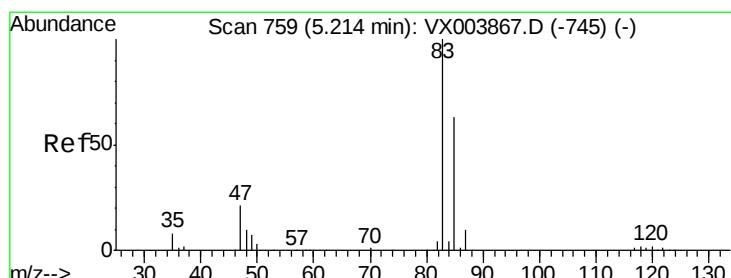
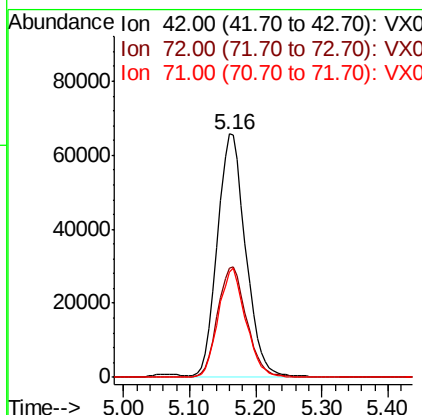
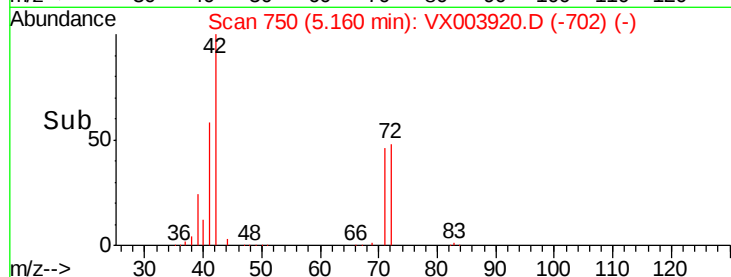
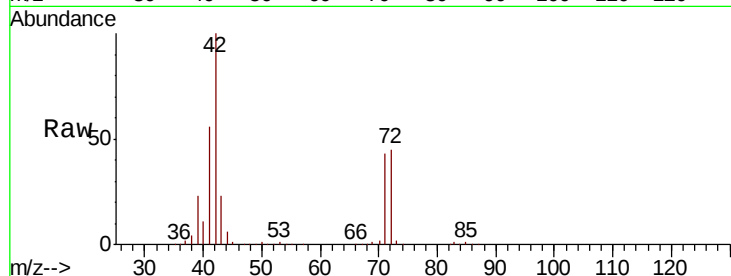
#29
Tetrahydrofuran
Concen: 94.67 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.01 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Instrument :
MSVOA_X
ClientSampled :
VX0808WBS02

Tot Ion:	42	Resp:	194544
Ion	Ratio	Lower	Upper
42	100		
72	46.7	37.7	56.5
71	43.6	35.0	52.6

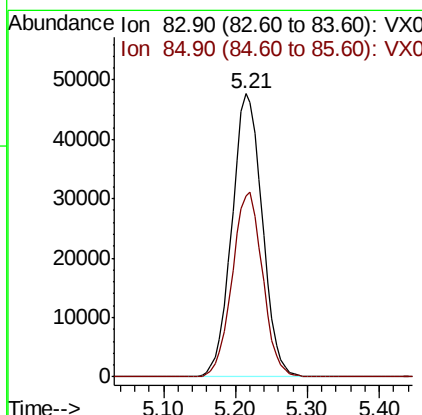
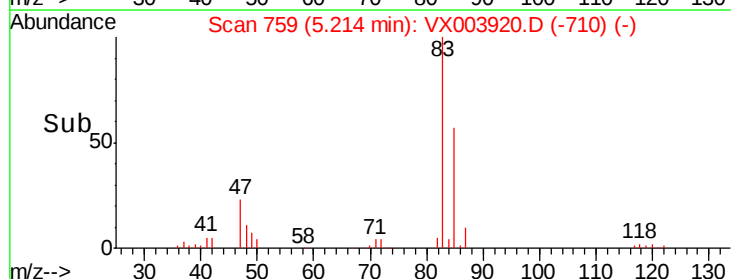
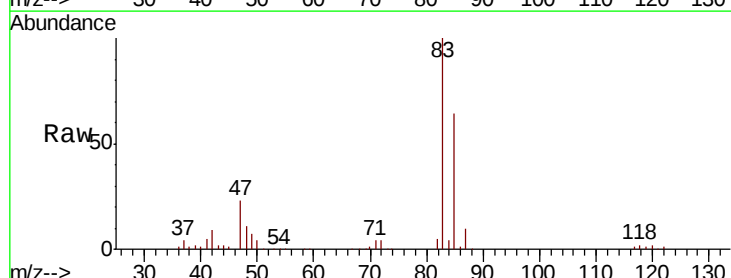
Manual Integrations
APPROVED

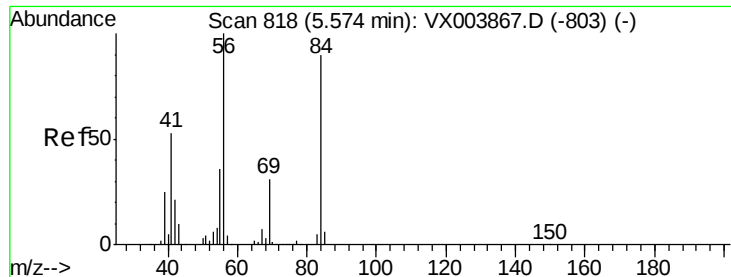
MMDadoda
8/9/2018 10:39:39 AM



#30
Chloroform
Concen: 19.51 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Tgt Ion:	83	Resp:	139905
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.7	76.1





#31

Cyclohexane

Concen: 18.54 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

Instrument :

MSVOA_X

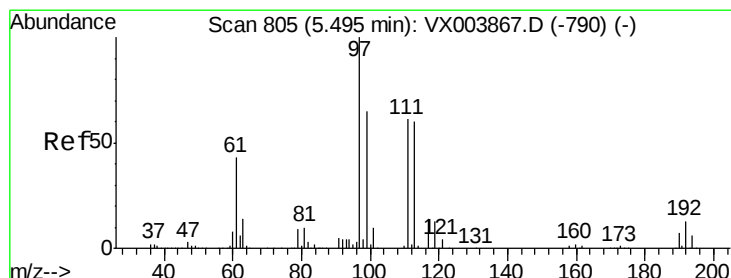
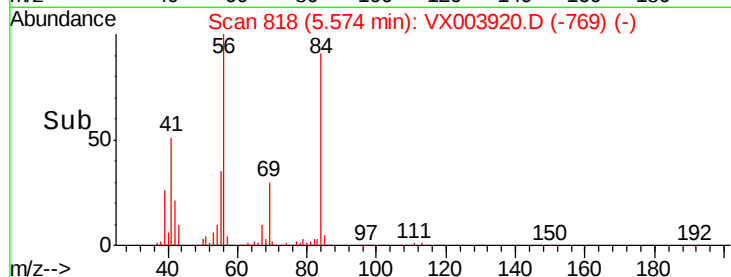
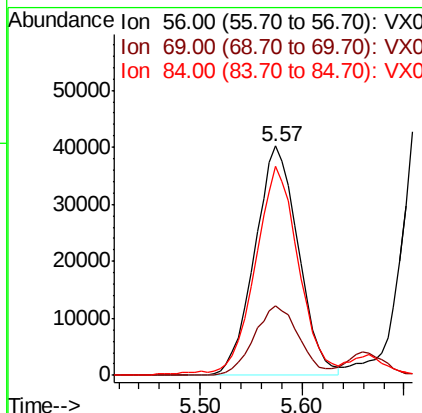
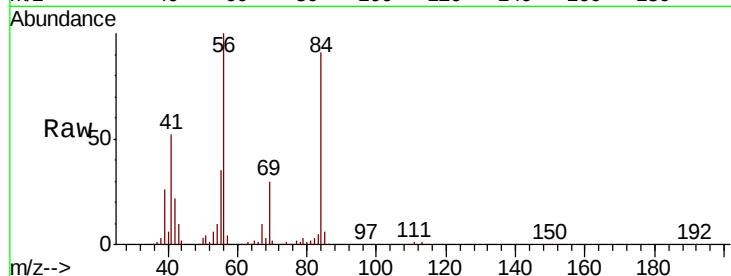
ClientSampled :

VX0808WBS02

Tot Ion:	56	Resp:	119447
Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.9	37.3
84	89.6	71.7	107.5

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8/9/2018 10:39:39 AM



#32

1,1,1-Trichloroethane

Concen: 19.46 ug/l

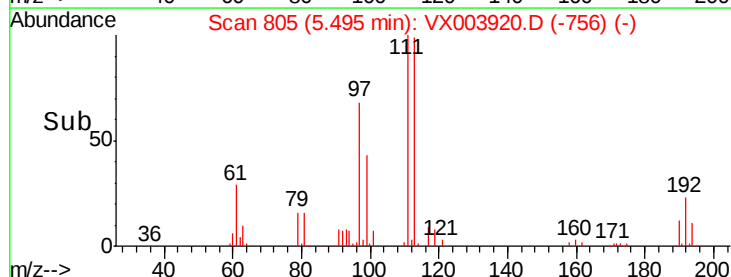
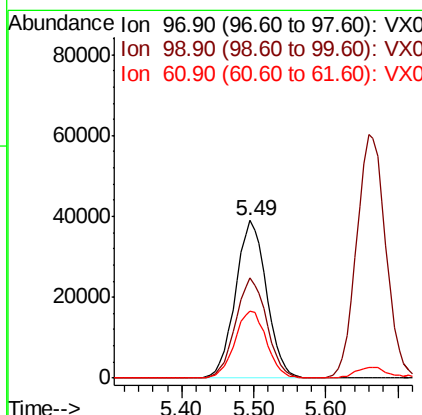
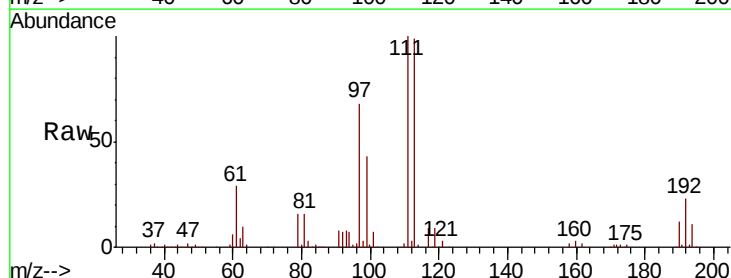
RT: 5.49 min Scan# 805

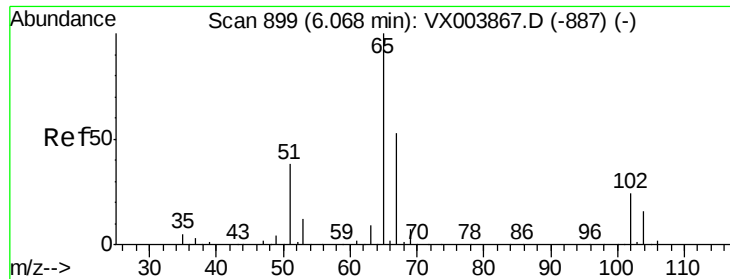
Delta R.T. 0.00 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

Tgt Ion:	97	Resp:	117048
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.8	77.8
61	43.7	34.4	51.6





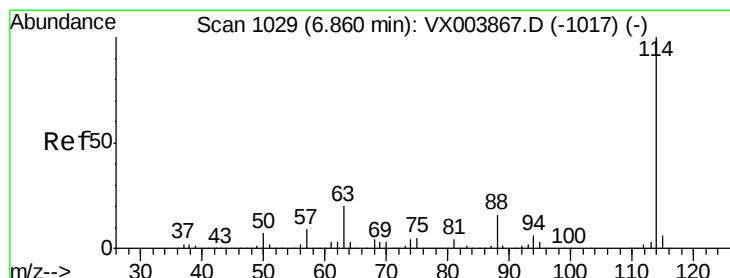
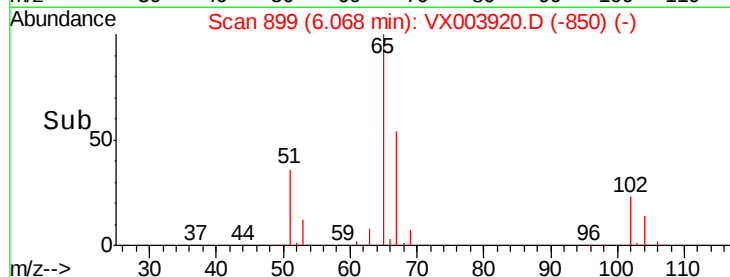
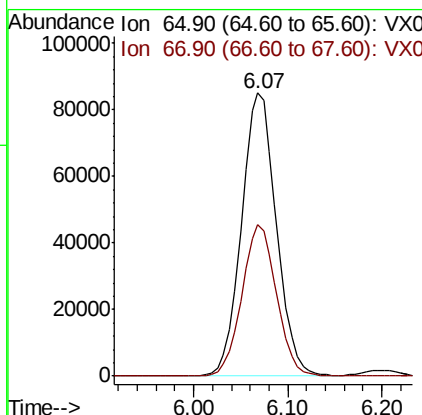
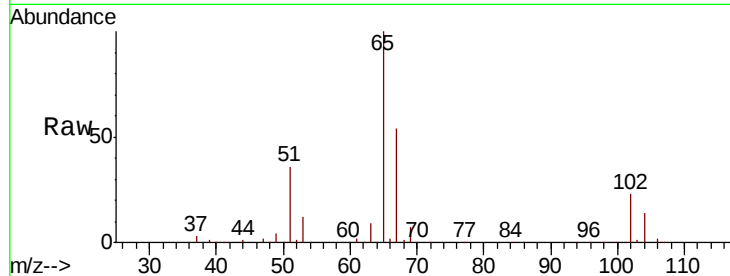
#33
 1,2-Dichloroethane-d4
 Concen: 49.21 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003920.D
 Acq: 08 Aug 2018 13:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	219956		
67	53.2	0.0	105.8	

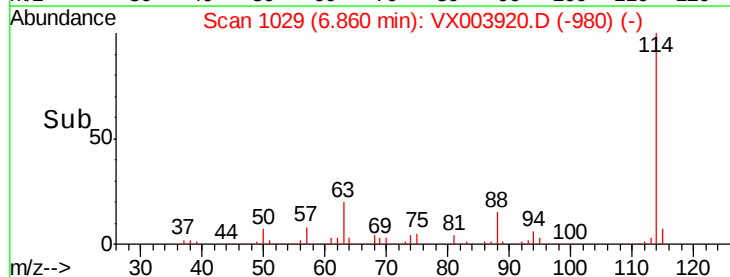
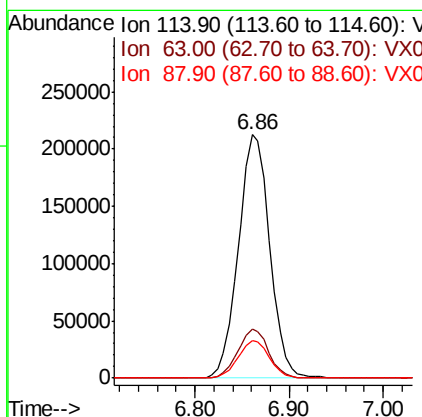
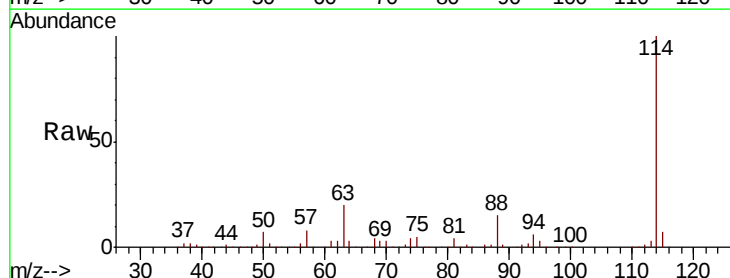
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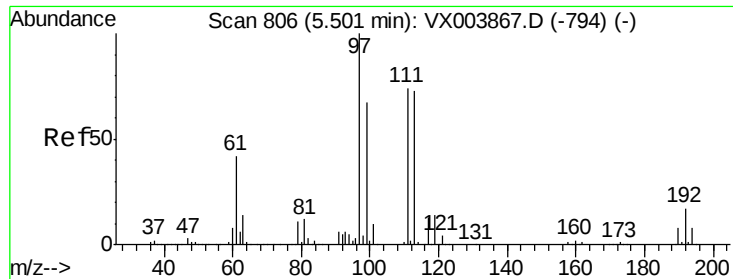
MMDadoda
 8/9/2018 10:39:39 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX003920.D
 Acq: 08 Aug 2018 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	495091		
63	19.9	0.0	39.0	
88	15.5	0.0	32.0	





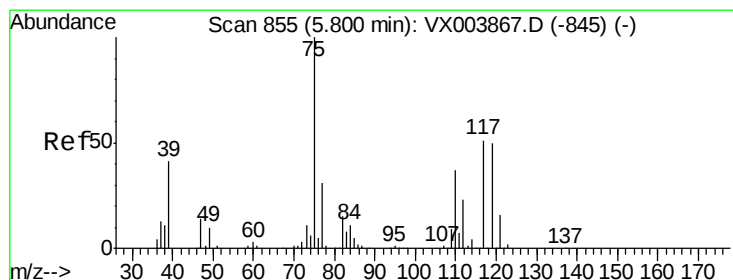
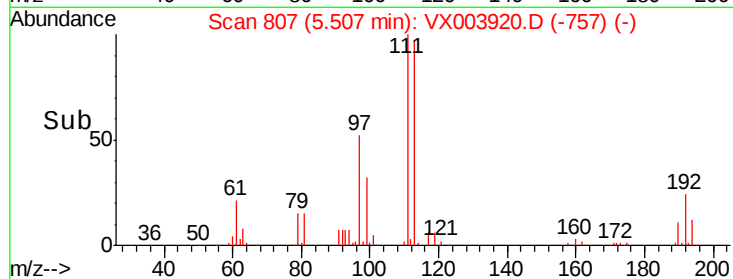
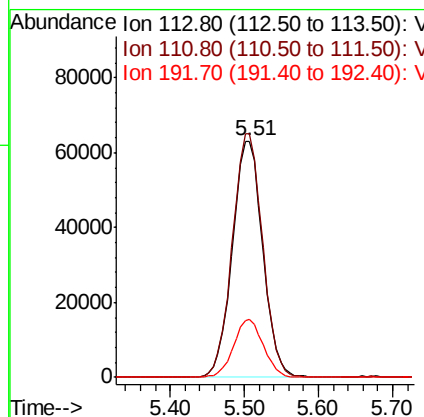
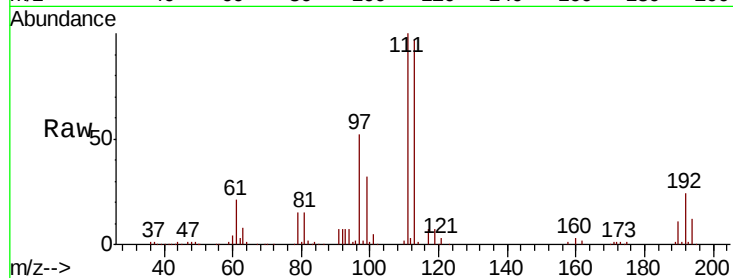
#35
 Dibromofluoromethane
 Concen: 48.18 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX003920.D
 Acq: 08 Aug 2018 13:45

Instrument :
 MSVOA_X
 ClientSampled :
 VX0808WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	180715		
111	102.5	82.0	123.0	
192	24.0	19.0	28.4	

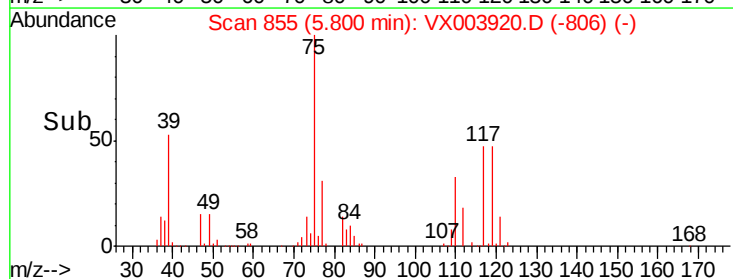
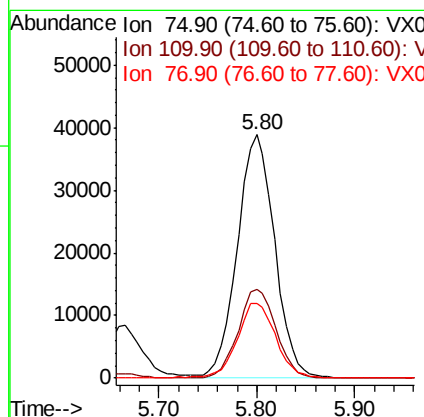
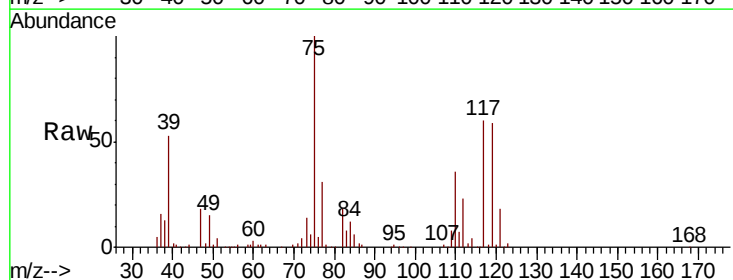
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 8/9/2018 10:39:39 AM



#36
 1,1-Dichloropropene
 Concen: 18.42 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003920.D
 Acq: 08 Aug 2018 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	102132		
110	37.4	18.2	54.6	
77	31.3	25.0	37.4	





#37

Ethyl Acetate

Concen: 18.85 ug/l

RT: 4.86 min Scan# 701

Delta R.T. -0.01 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

Instrument :

MSVOA_X

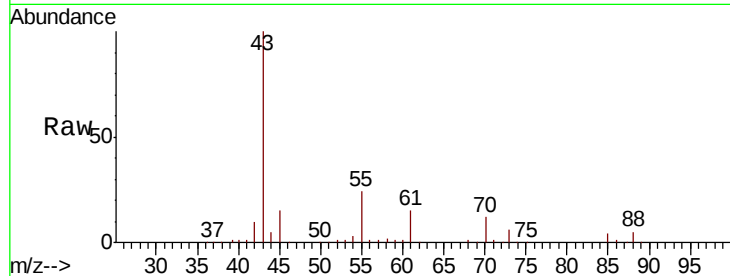
ClientSampleId :

VX0808WBS02

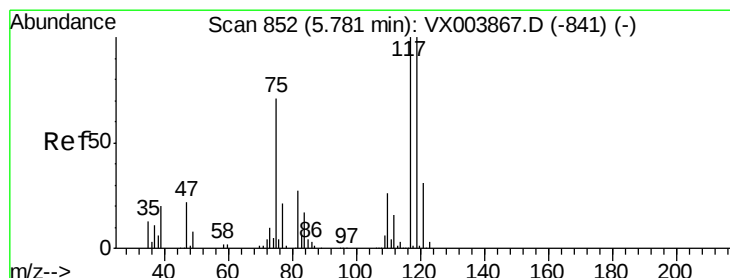
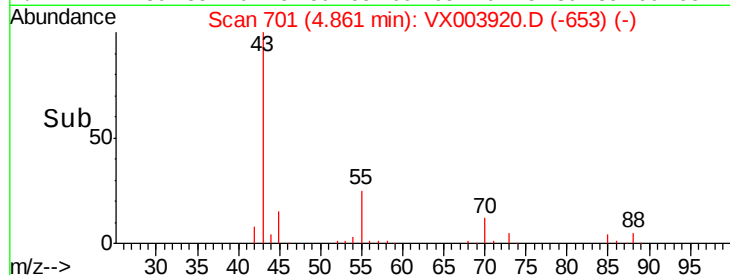
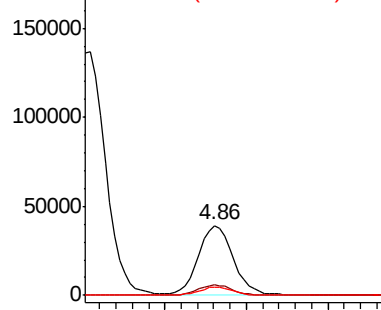
Tot Ion:	43	Resp:	114982
Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.5	17.3
70	11.6	9.0	13.4

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Abundance Ion 43.00 (42.70 to 43.70): VX003867.D (-691) (-)



#38

Carbon Tetrachloride

Concen: 19.03 ug/l

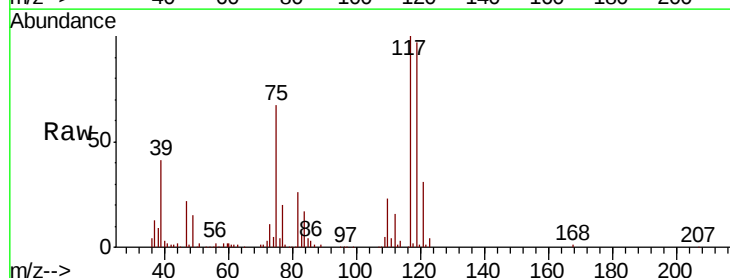
RT: 5.78 min Scan# 852

Delta R.T. 0.00 min

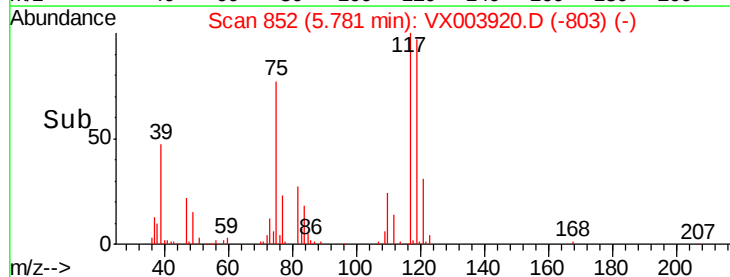
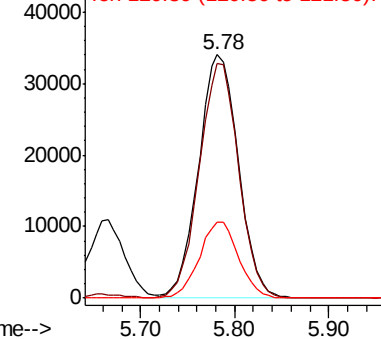
Lab File: VX003920.D

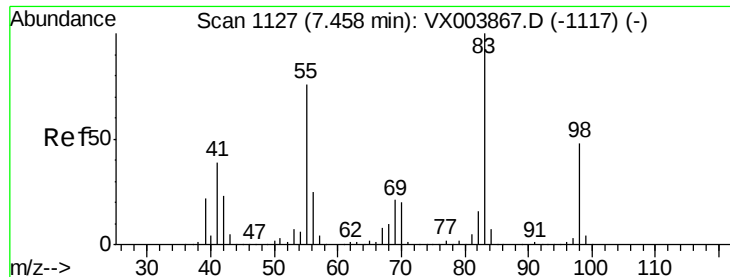
Acq: 08 Aug 2018 13:45

Tgt Ion:	117	Resp:	100425
Ion	Ratio	Lower	Upper
117	100		
119	96.6	79.5	119.3
121	31.0	25.0	37.4



Abundance Ion 116.80 (116.50 to 117.50): VX003867.D (-841) (-)





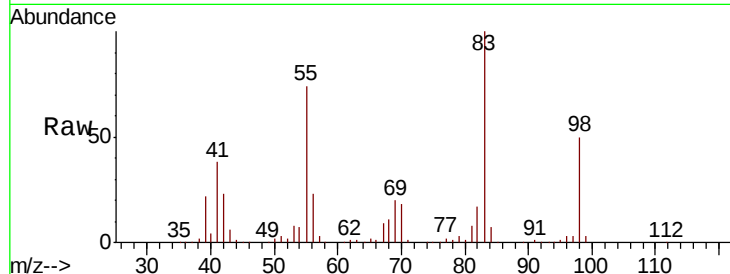
#39
Methvlcvclohexane
Concen: 18.02 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS02

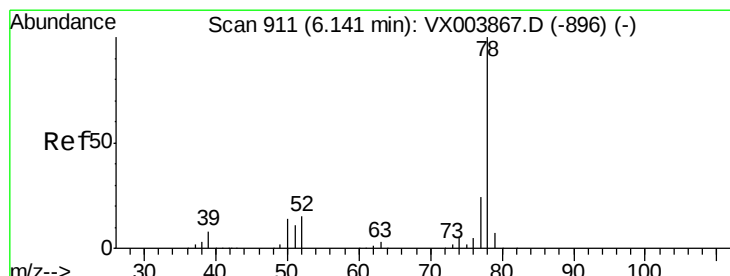
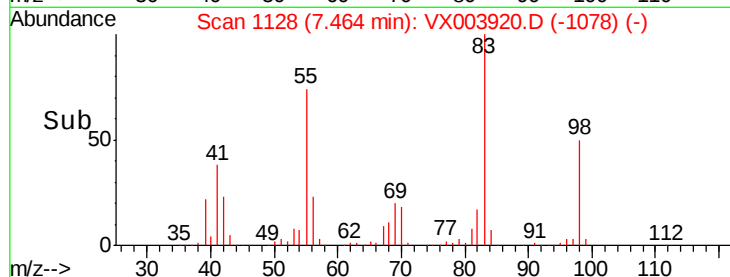
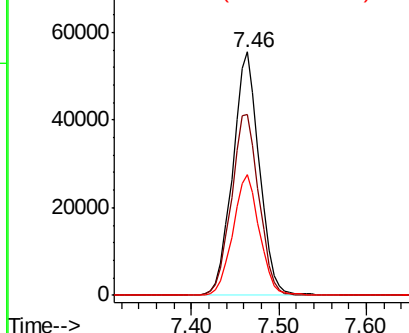
Tot Ion	Ratio	Resp	Lower	Upper
83	100	117837		
55	74.3	61.0	91.6	
98	49.5	38.6	57.8	

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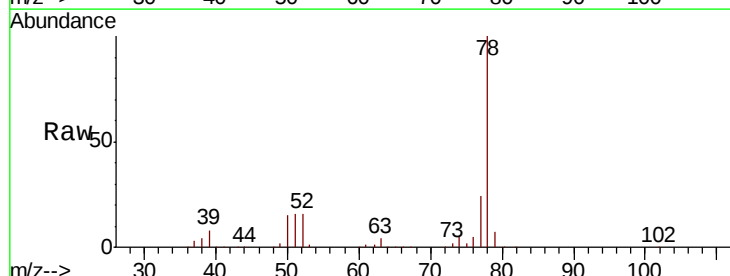


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

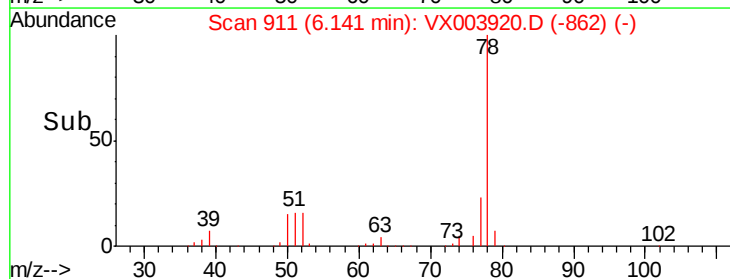
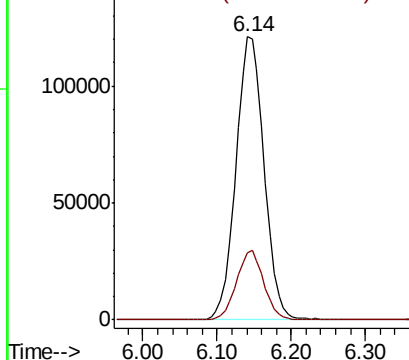


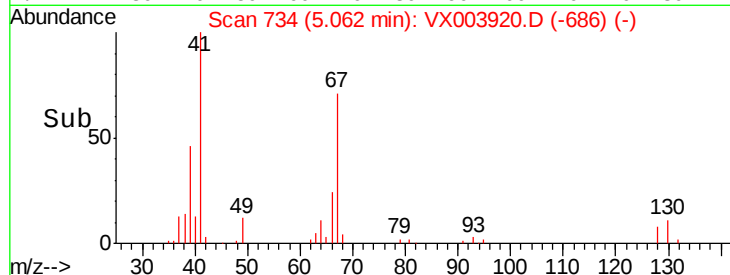
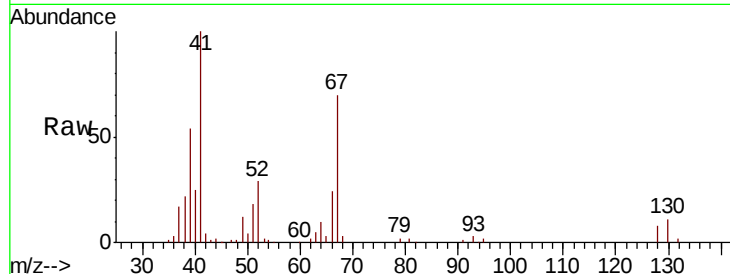
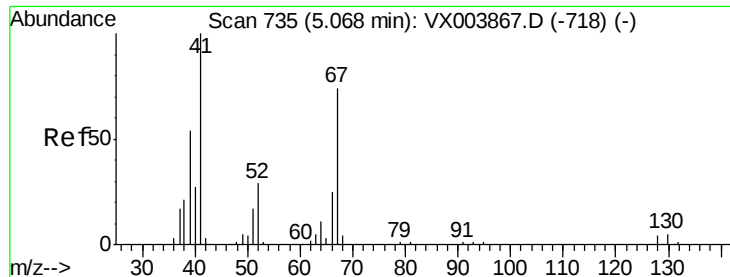
#40
Benzene
Concen: 19.27 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	320845		
77	23.8	19.0	28.4	



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





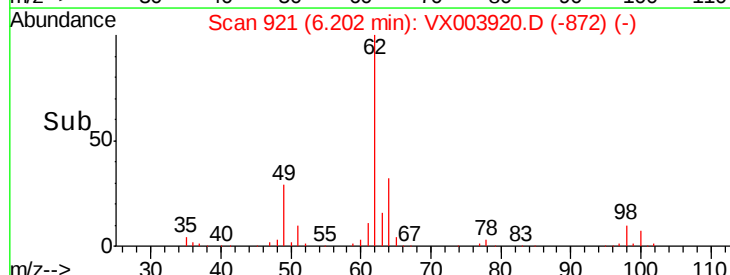
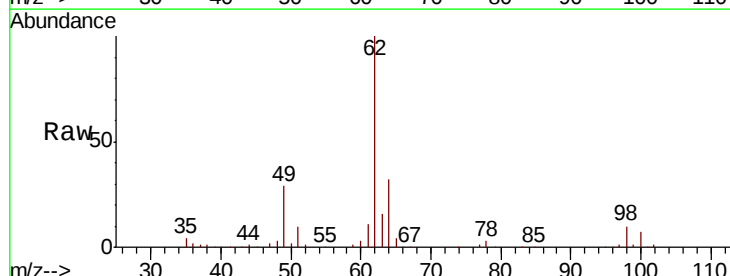
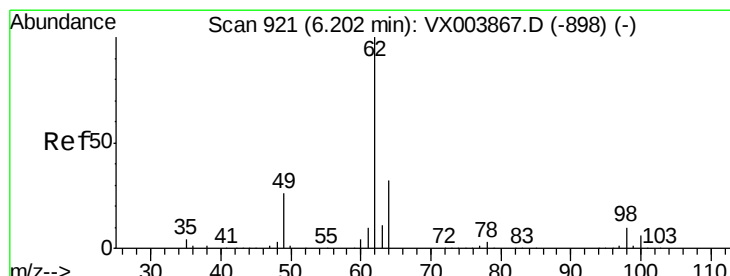
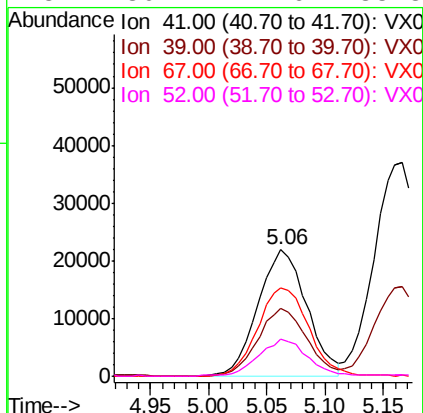
#41
Methacrylonitrile
Concen: 18.73 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.8	42.7	64.1	
67	74.4	58.9	88.3	
52	30.1	22.6	33.8	

Instrument :
MSVOA_X
ClientSampled :
VX0808WBS02

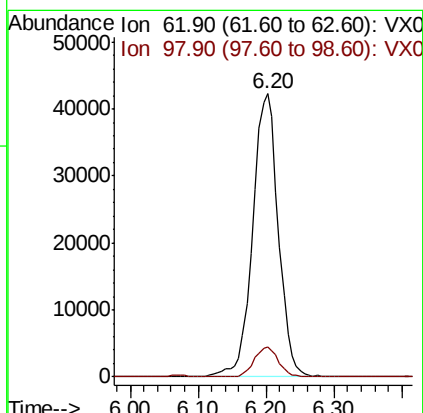
Manual Integrations
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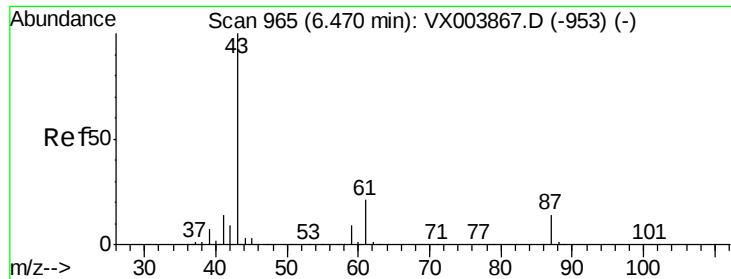
MMDadoda
8/9/2018 10:39:39 AM



#42
1,2-Dichloroethane
Concen: 19.81 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	20.4	





#43

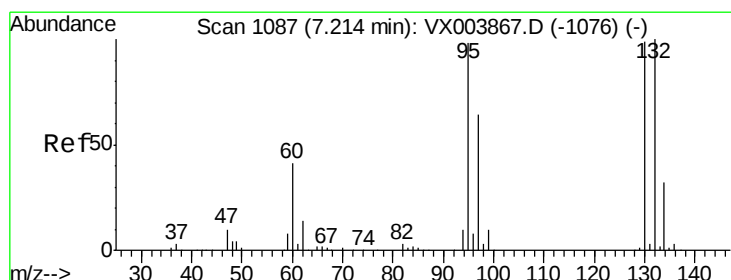
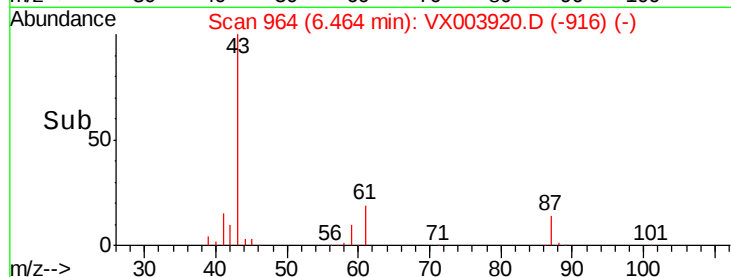
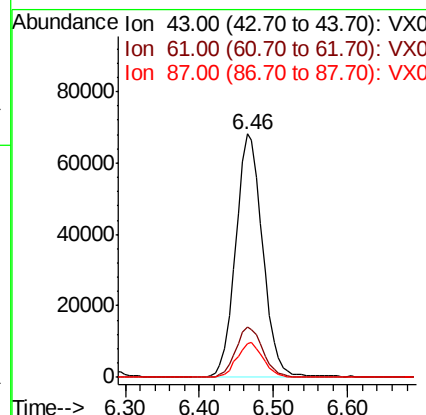
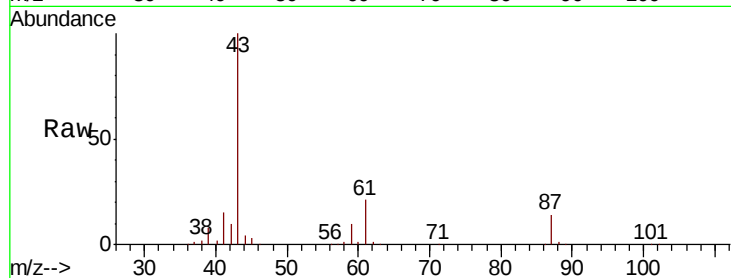
Isopropyl Acetate
 Concen: 18.72 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VX003920.D
 Acq: 08 Aug 2018 13:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.9	25.3
87	14.0	11.3	16.9

Manual Integrations
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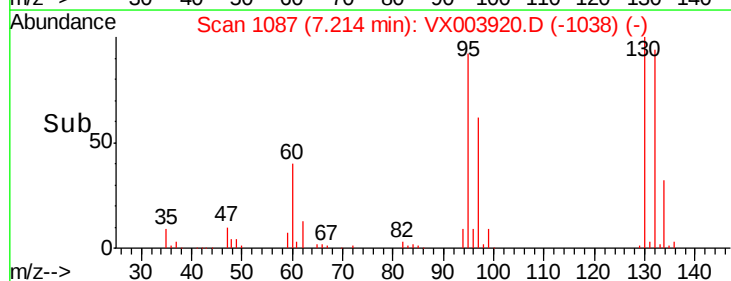
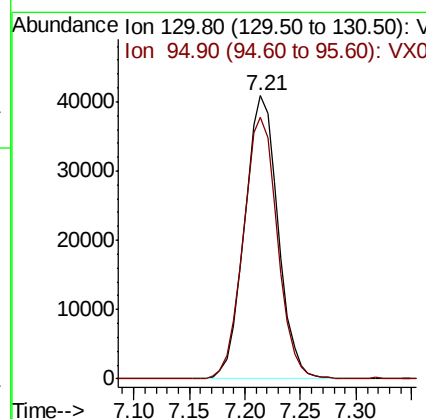
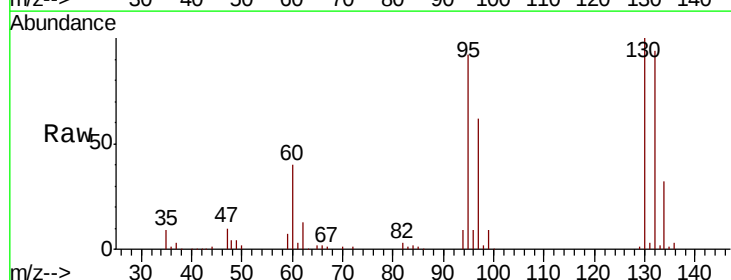
MMDadoda
 8/9/2018 10:39:39 AM

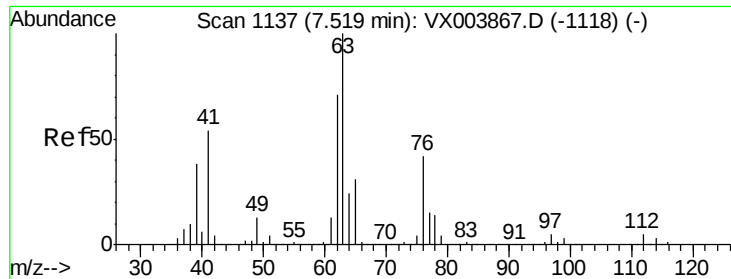


#44

Trichloroethene
 Concen: 18.77 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003920.D
 Acq: 08 Aug 2018 13:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	199.4





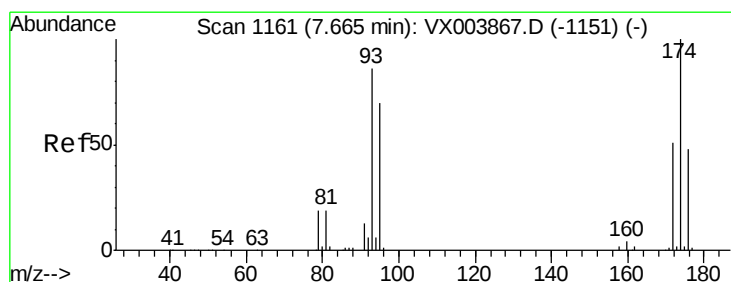
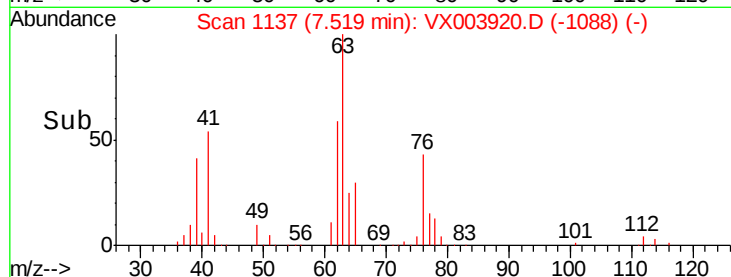
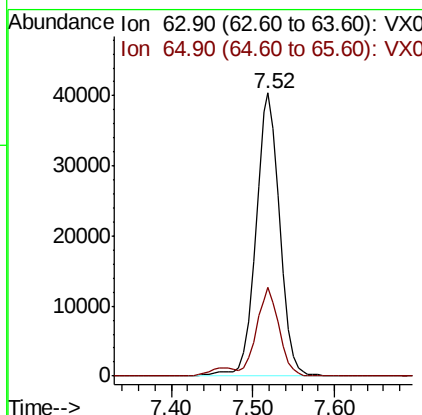
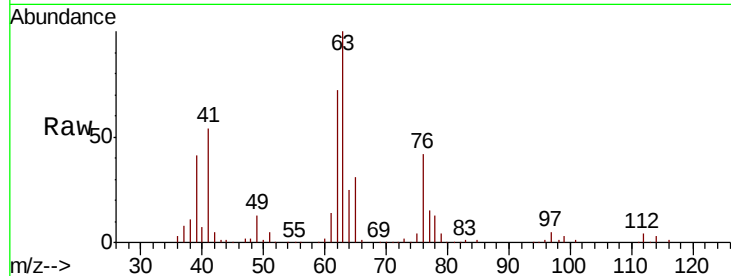
#45
 1,2-Dichloropropane
 Concen: 19.14 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003920.D
 Acq: 08 Aug 2018 13:45

Instrument :
 MSVOA_X
 ClientSampled :
 VX0808WBS02

Tot Ion: 63 Resp: 82309
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.6 36.8

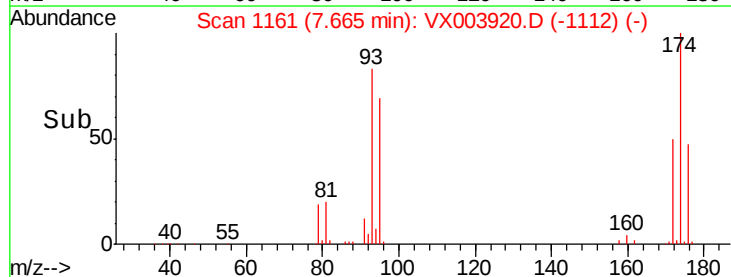
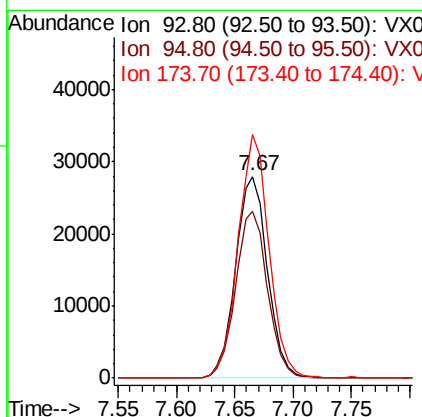
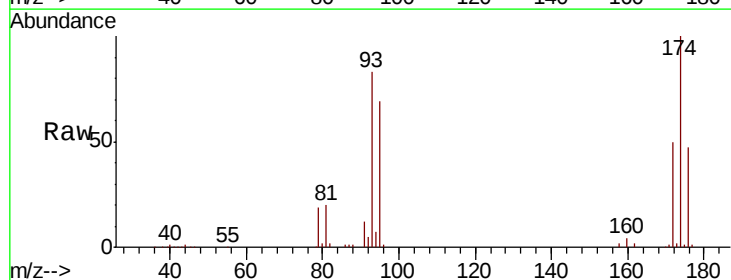
Manual Integrations
 APPROVED

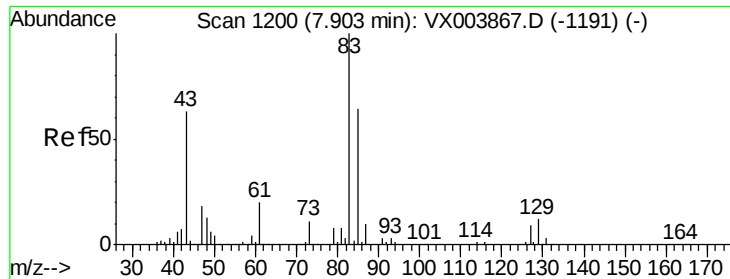
MMDadoda
 8/9/2018 10:39:39 AM



#46
 Dibromomethane
 Concen: 19.09 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003920.D
 Acq: 08 Aug 2018 13:45

Tgt Ion: 93 Resp: 53285
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.4 99.6
 174 117.5 94.3 141.5





#47

Bromodichloromethane

Concen: 18.95 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

Instrument :

MSVOA_X

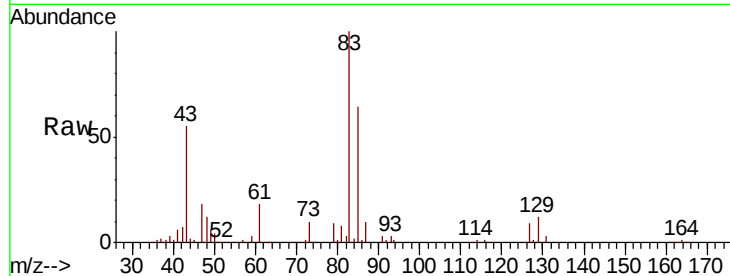
ClientSampleId :

VX0808WBS02

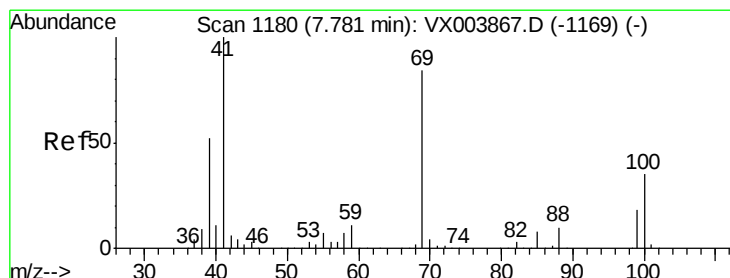
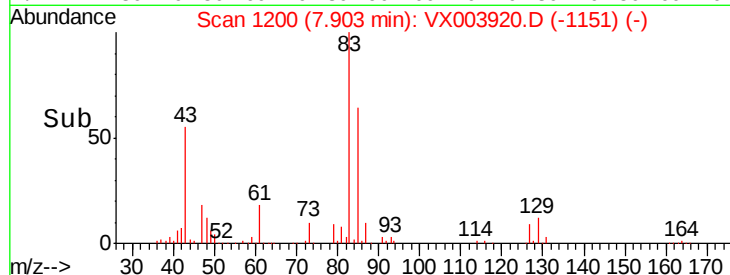
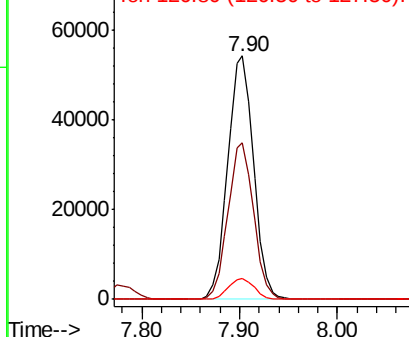
Tot Ion:	83	Resp:	99634
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.2	76.8
127	8.5	7.2	10.8

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



#48

Methyl methacrylate

Concen: 18.92 ug/l

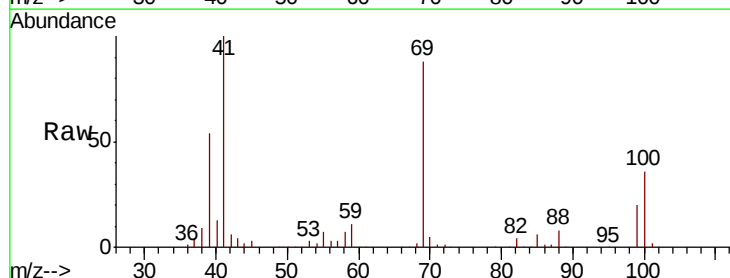
RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

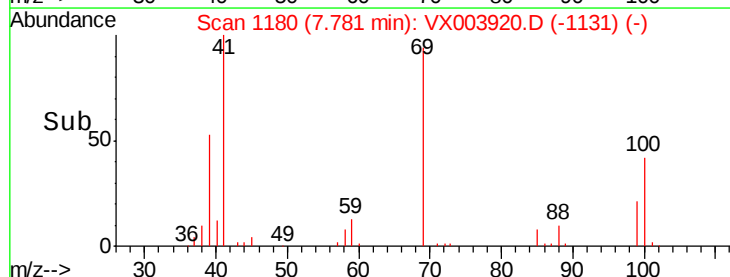
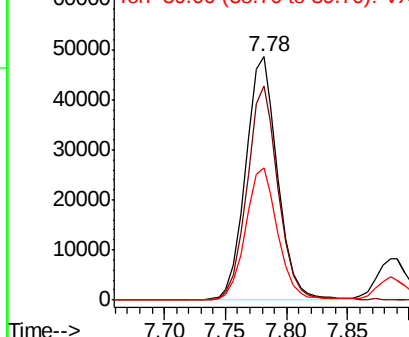
Lab File: VX003920.D

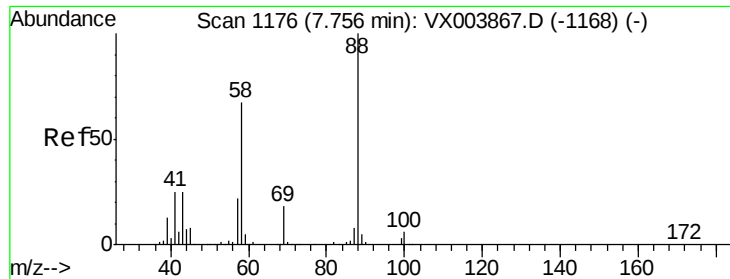
Acq: 08 Aug 2018 13:45

Tgt Ion:	41	Resp:	88274
Ion	Ratio	Lower	Upper
41	100		
69	85.9	68.8	103.2
39	54.3	42.3	63.5



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





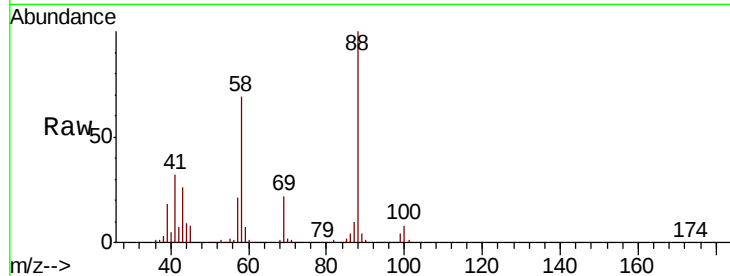
#49
1,4-Dioxane
Concen: 382.61 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.7	23.8	35.8
58	71.1	55.4	83.0

Manual Integrations
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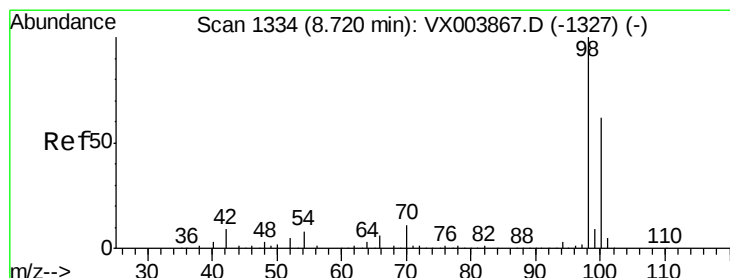
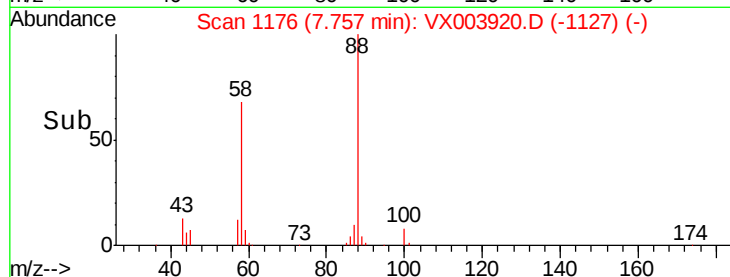
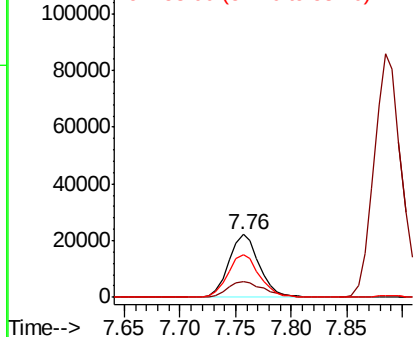


Abundance

Ion 88.00 (87.70 to 88.70): VX0

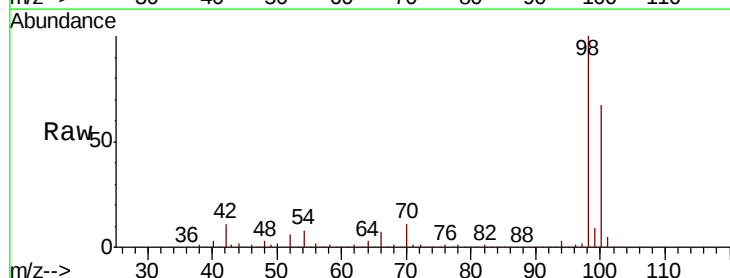
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 48.03 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

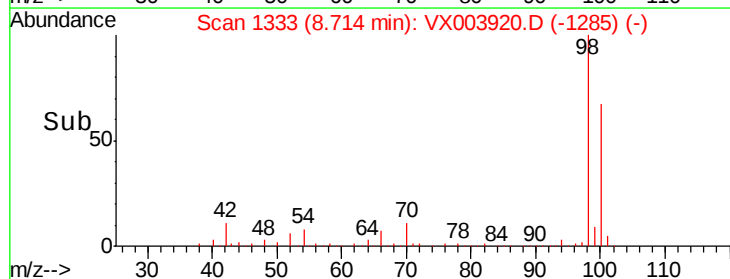
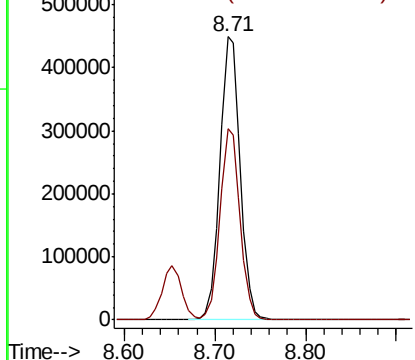
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.3	79.9

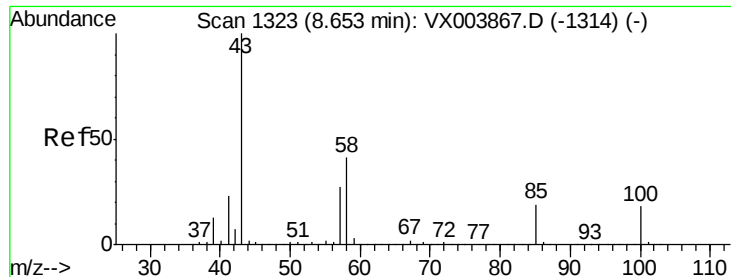


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 98.12 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

Instrument :

MSVOA_X

ClientSampled :

VX0808WBS02

Tot Ion: 43 Resp: 746566

Ion Ratio Lower Upper

43 100

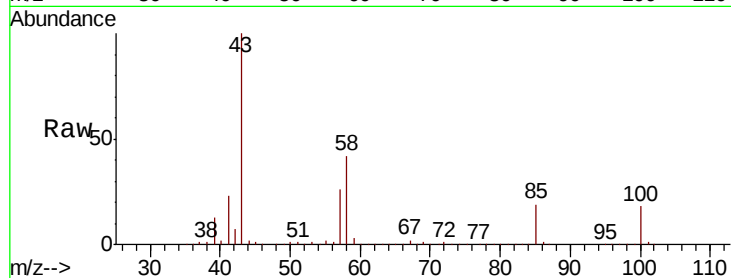
58 41.0 33.0 49.6

Manual Integrations

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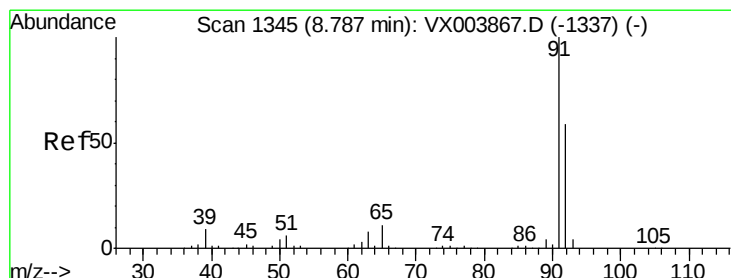
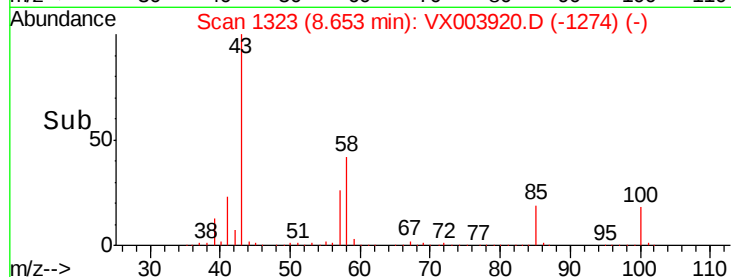
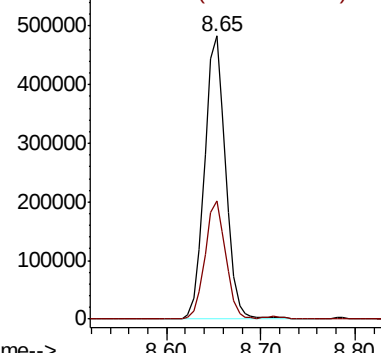
MMDadoda

8/9/2018 10:39:39 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.46 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003920.D

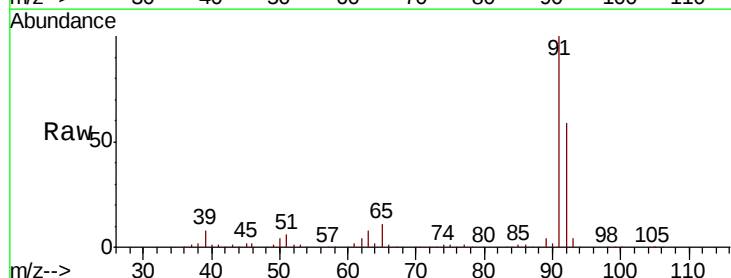
Acq: 08 Aug 2018 13:45

Tgt Ion: 92 Resp: 204715

Ion Ratio Lower Upper

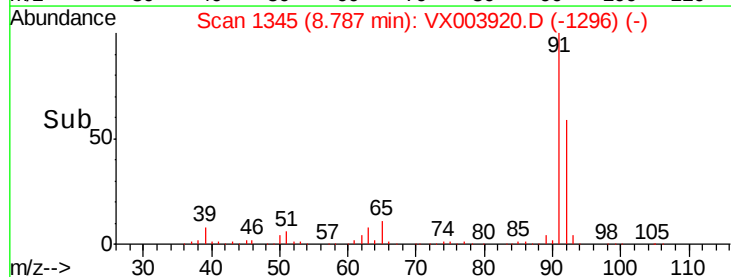
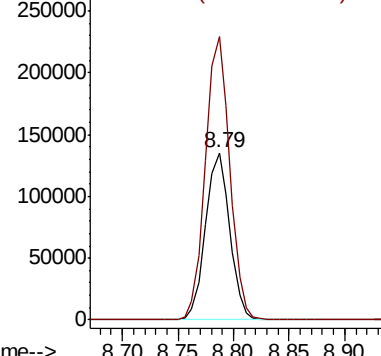
92 100

91 170.3 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





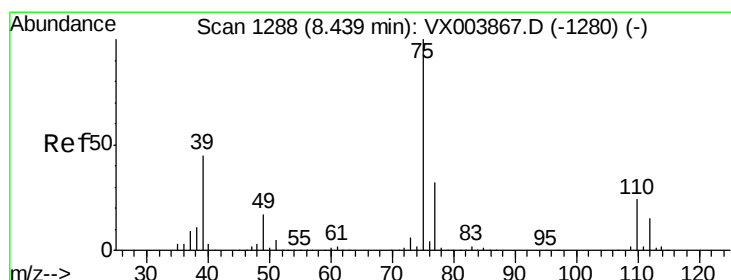
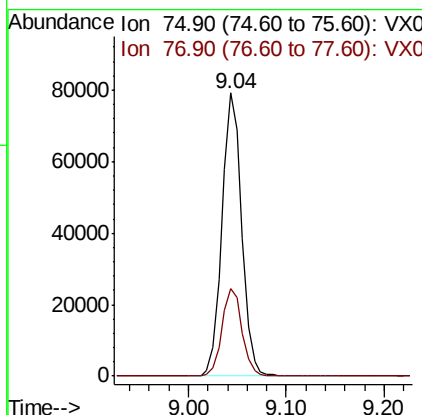
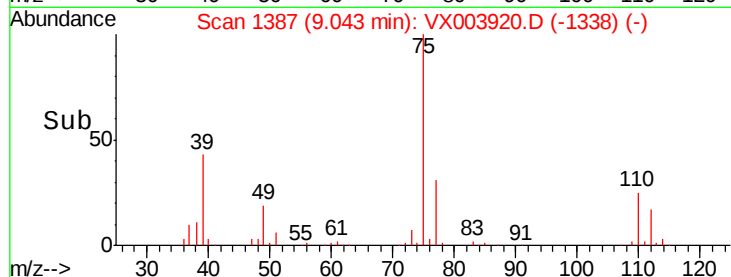
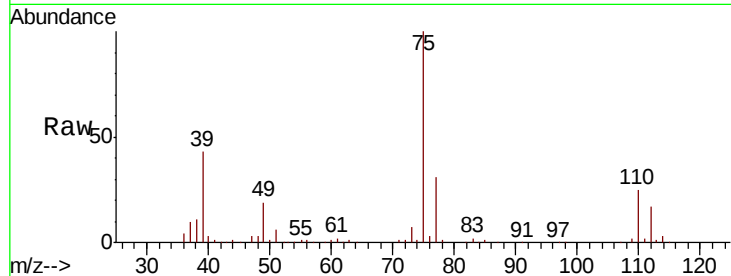
#53
t-1,3-Dichloropropene
Concen: 18.63 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS02

Tot Ion: 75 Resp: 110727
Ion Ratio Lower Upper
75 100
77 31.0 25.1 37.7

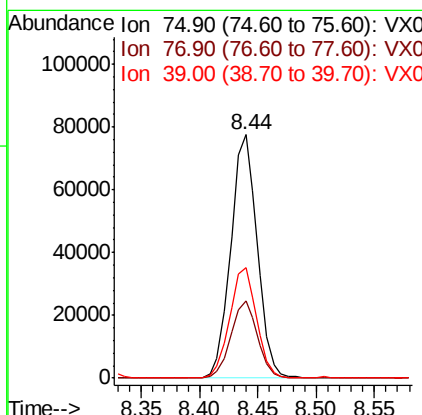
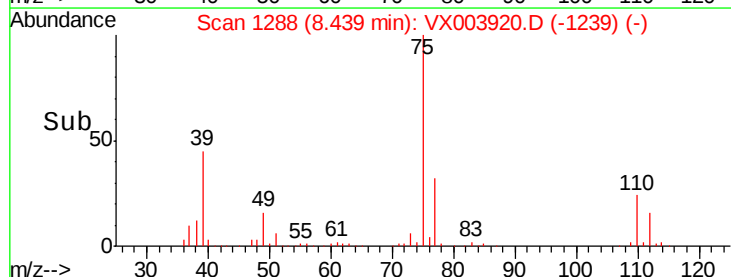
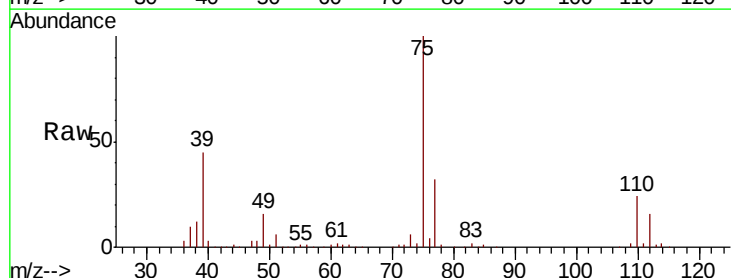
Manual Integrations
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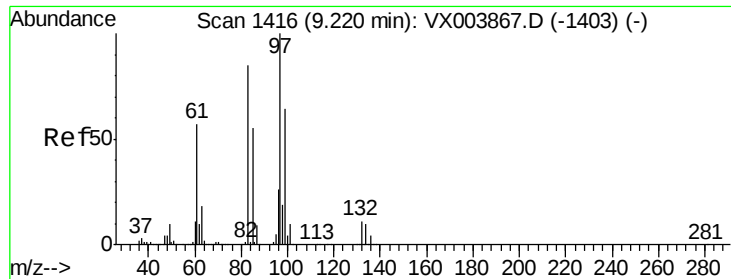
MMDadoda
8/9/2018 10:39:39 AM



#54
cis-1,3-Dichloropropene
Concen: 19.19 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Tgt Ion: 75 Resp: 122983
Ion Ratio Lower Upper
75 100
77 31.7 25.3 37.9
39 44.9 36.2 54.2





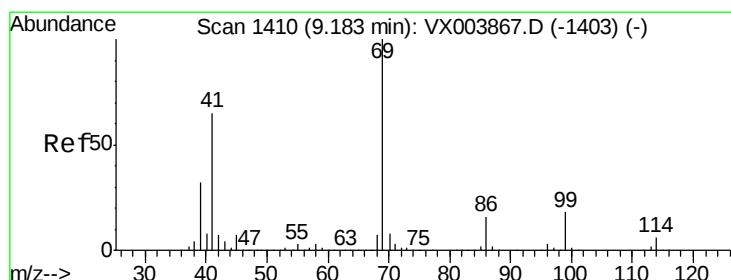
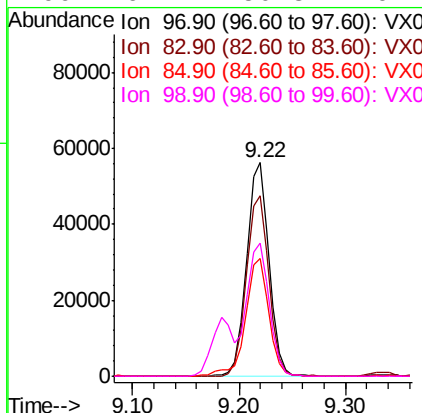
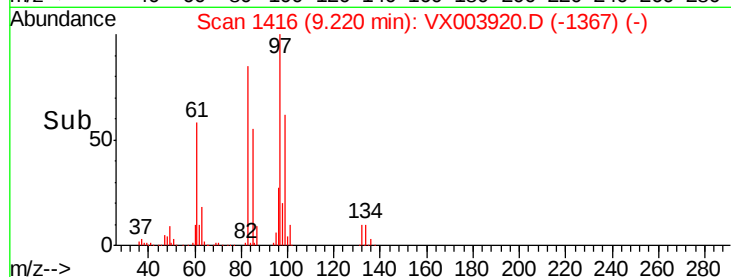
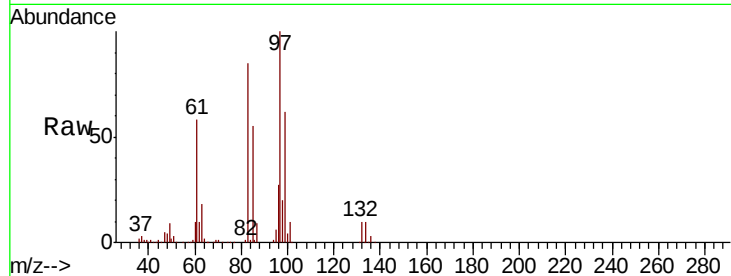
#55
 1,1,2-Trichloroethane
 Concen: 19.37 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003920.D
 Acq: 08 Aug 2018 13:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		83292		
83	84.7	67.8	101.6		
85	54.9	44.2	66.2		
99	62.2	50.8	76.2		

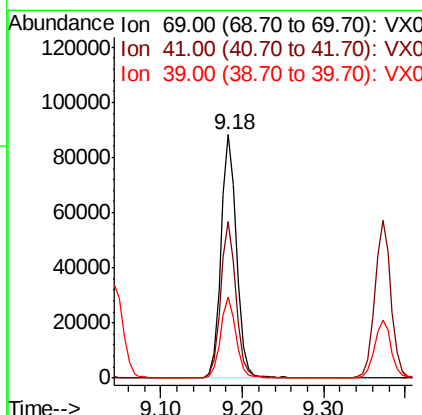
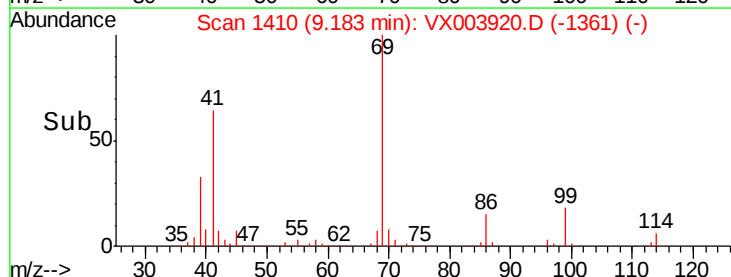
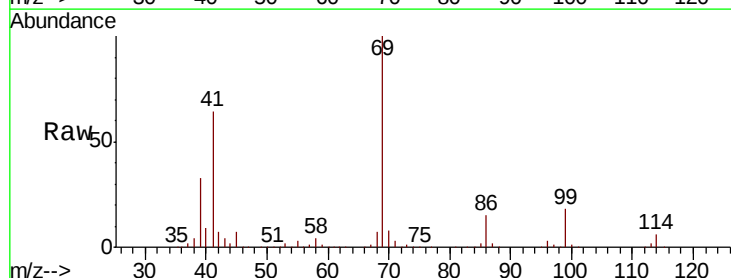
Manual Integrations
 APPROVED

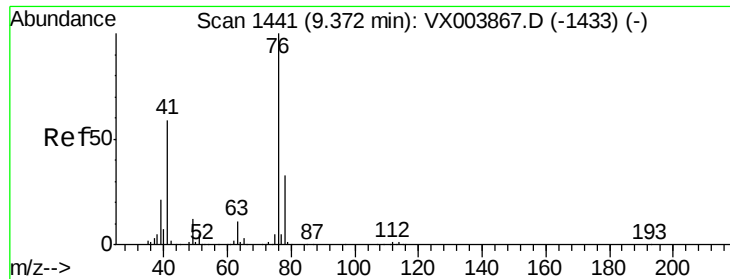
MMDadoda
 8/9/2018 10:39:39 AM



#56
 Ethyl methacrylate
 Concen: 18.91 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003920.D
 Acq: 08 Aug 2018 13:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		117967		
41	63.2	50.6	76.0		
39	33.0	25.8	38.6		





#57

1,3-Dichloropropane

Concen: 19.54 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBS02

Tot Ion: 76 Resp: 140562

Ion Ratio Lower Upper

76 100

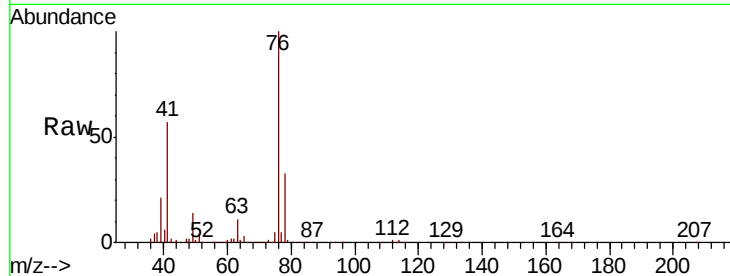
78 32.2 25.9 38.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

120000

100000

80000

60000

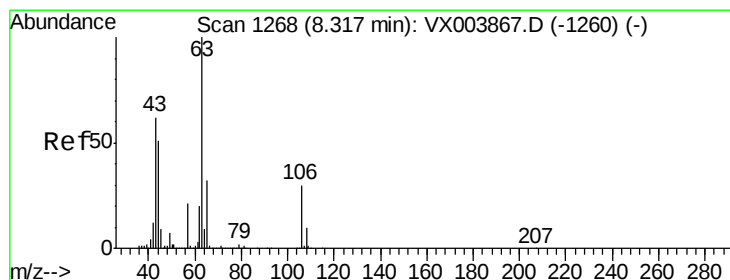
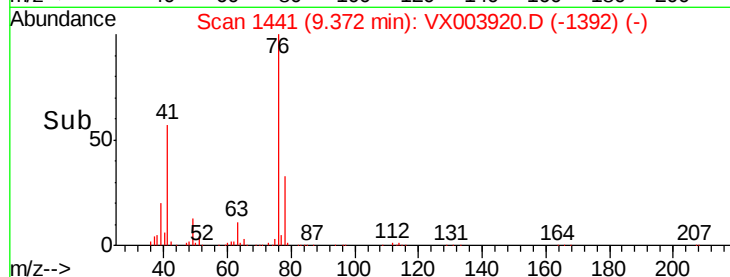
40000

20000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 100.71 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003920.D

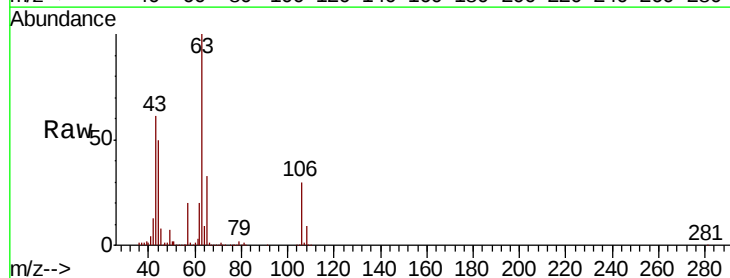
Acq: 08 Aug 2018 13:45

Tgt Ion: 63 Resp: 308915

Ion Ratio Lower Upper

63 100

106 29.3 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

200000

150000

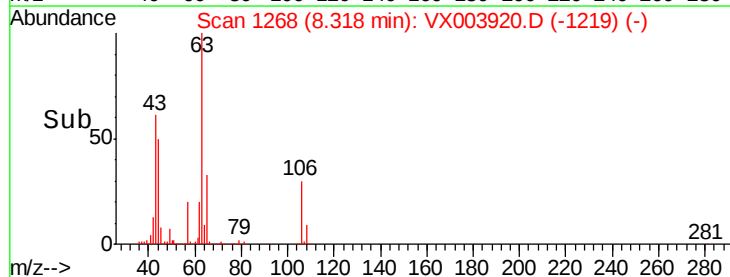
100000

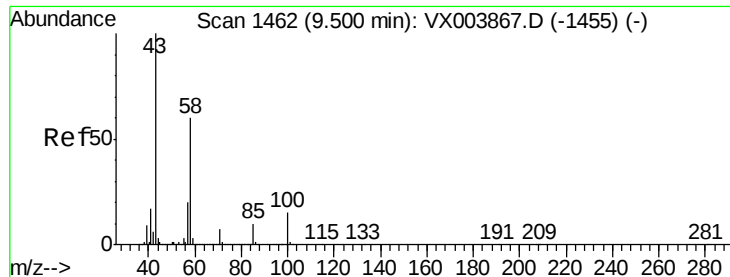
50000

0

8.20 8.30 8.40

Time-->





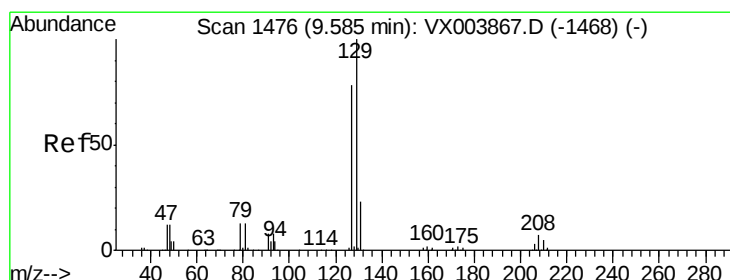
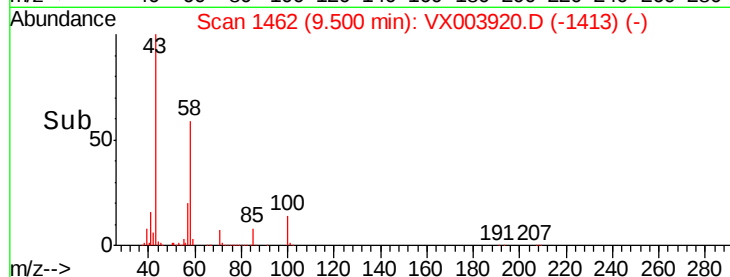
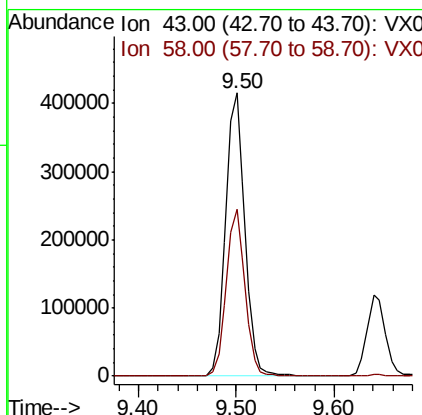
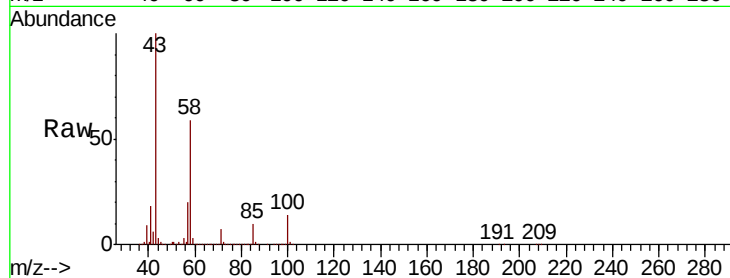
#59
2-Hexanone
Concen: 99.58 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.6	29.0	87.0

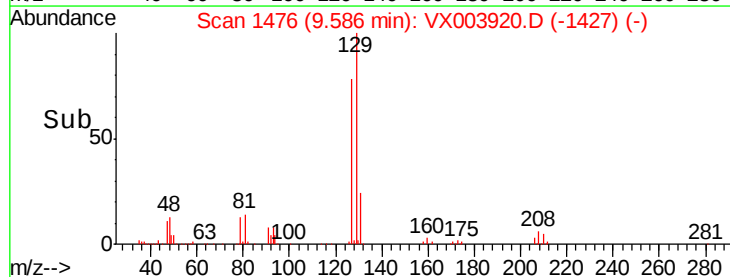
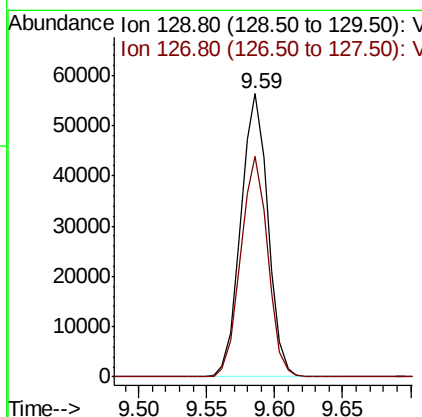
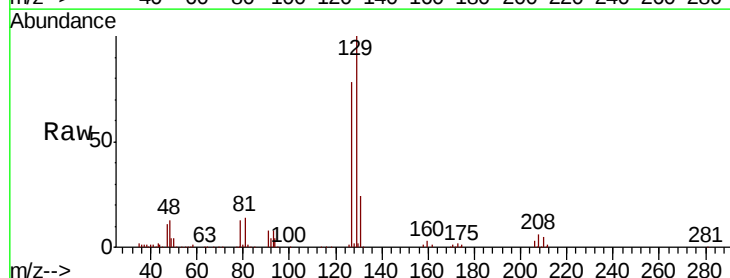
Manual Integrations
APPROVED

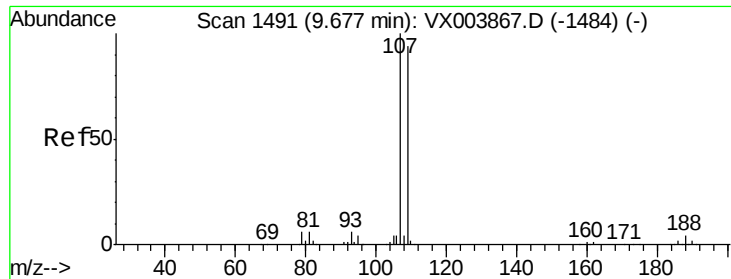
MMDadoda
8/9/2018 10:39:39 AM



#60
Dibromochloromethane
Concen: 19.56 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.8	116.3





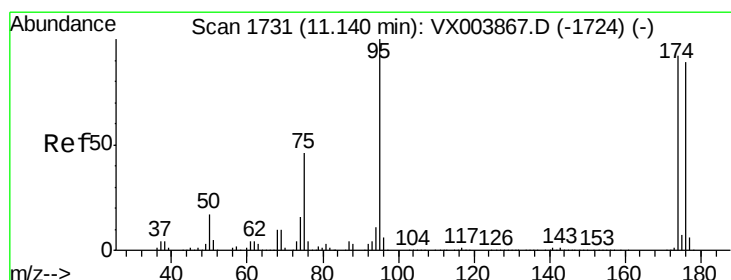
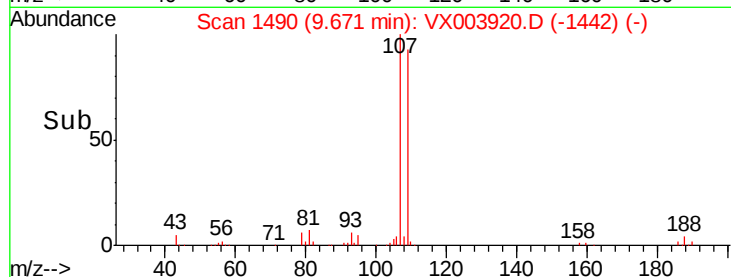
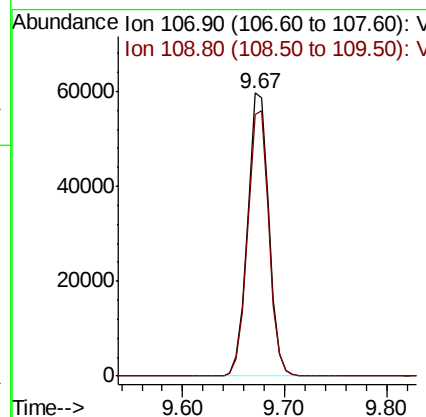
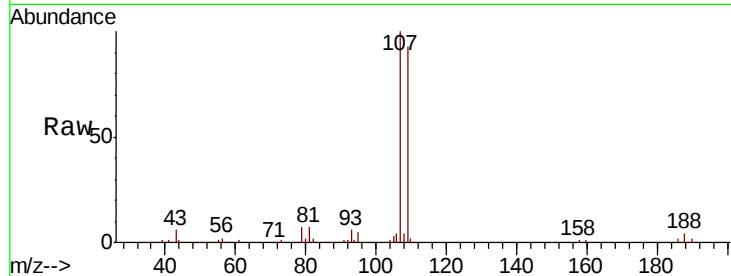
#61
 1,2-Dibromoethane
 Concen: 20.00 ug/l
 RT: 9.67 min Scan# 1490
 Delta R.T. -0.01 min
 Lab File: VX003920.D
 Acq: 08 Aug 2018 13:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.8	113.8

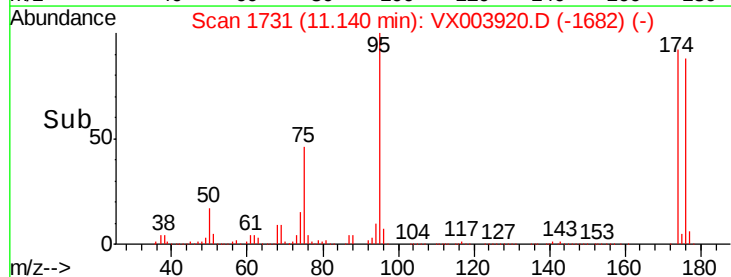
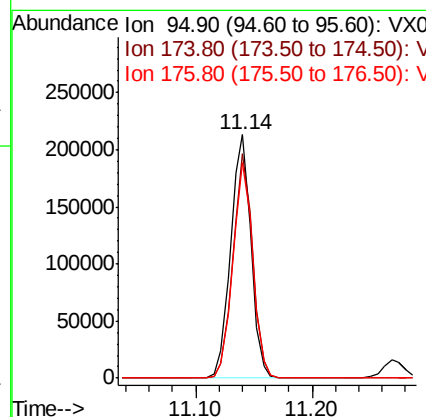
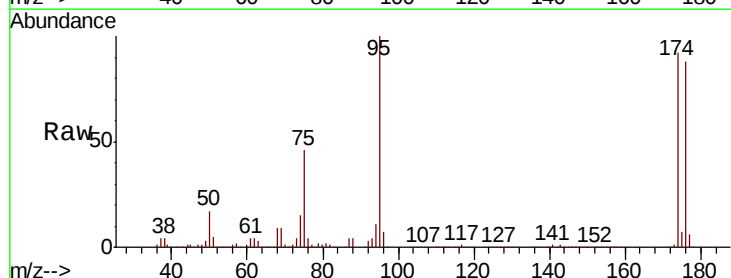
Manual Integrations
 APPROVED

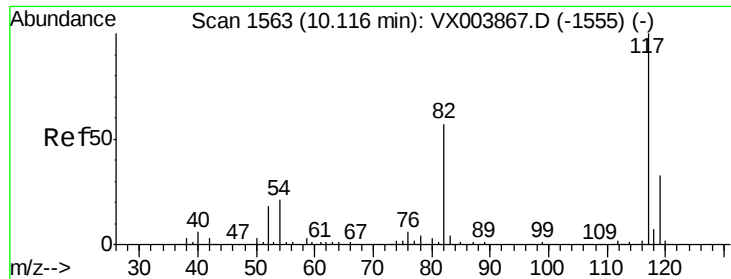
MMDadoda
 8/9/2018 10:39:39 AM



#62
 4-Bromofluorobenzene
 Concen: 54.32 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX003920.D
 Acq: 08 Aug 2018 13:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.4	0.0	182.8
176	87.4	0.0	179.0





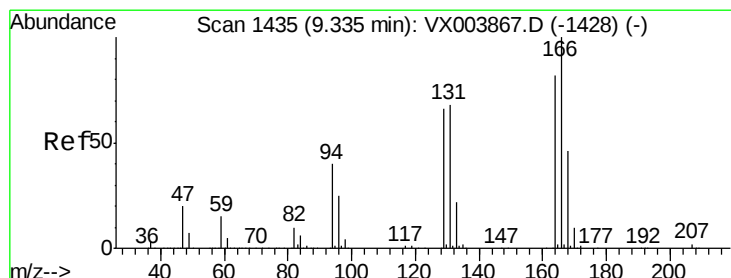
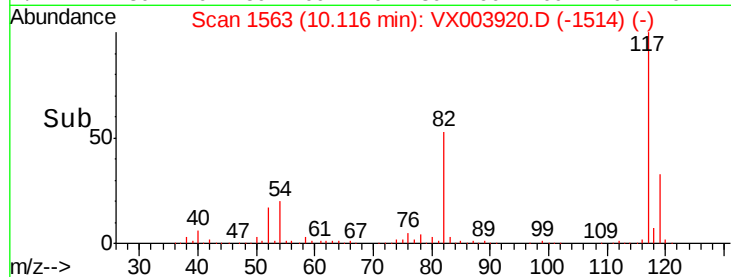
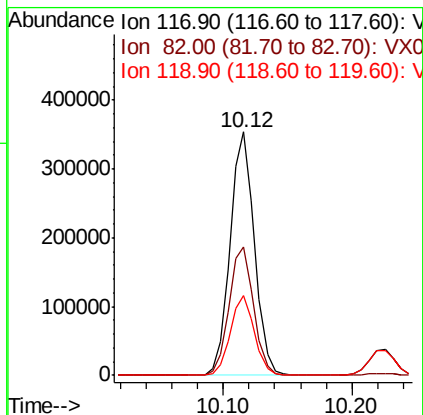
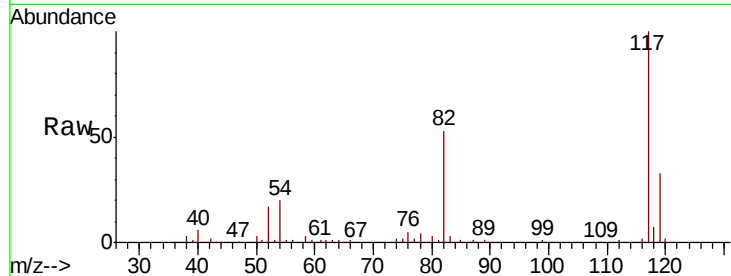
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	45.4	68.0
119	32.9	26.6	40.0

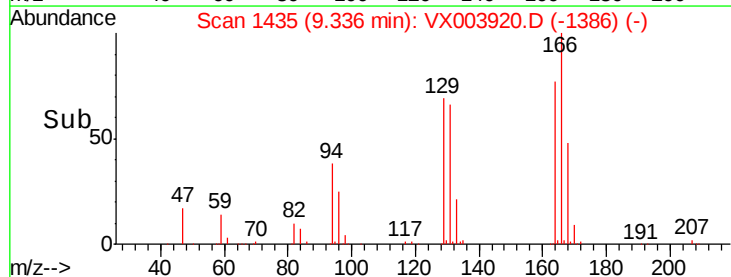
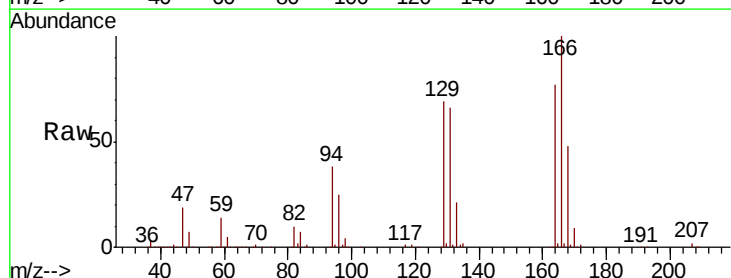
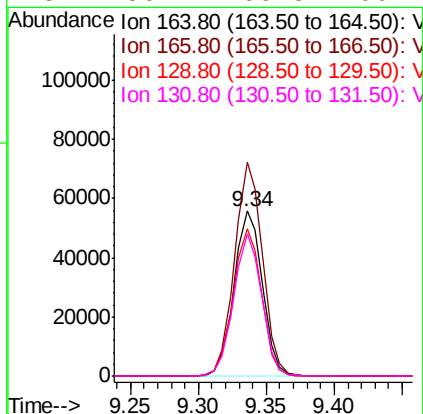
Manual Integrations
APPROVED

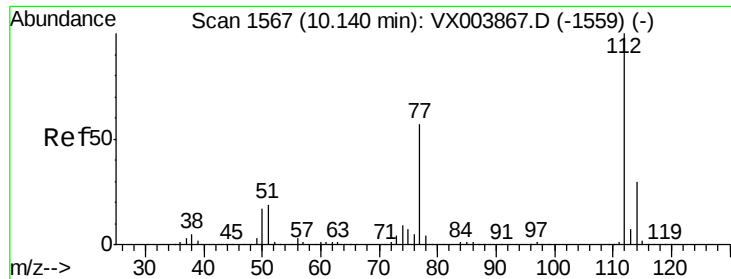
MMDadoda
8/9/2018 10:39:39 AM



#64
Tetrachloroethene
Concen: 17.58 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	98.0	147.0
129	89.5	64.3	96.5
131	86.1	66.8	100.2





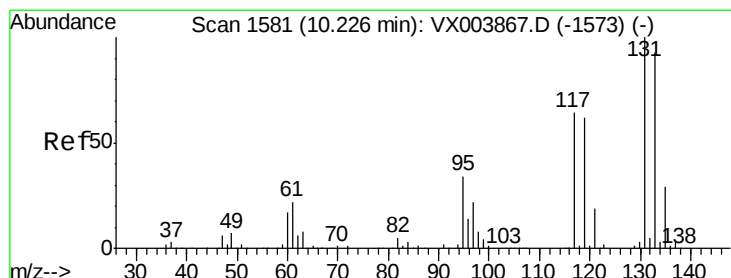
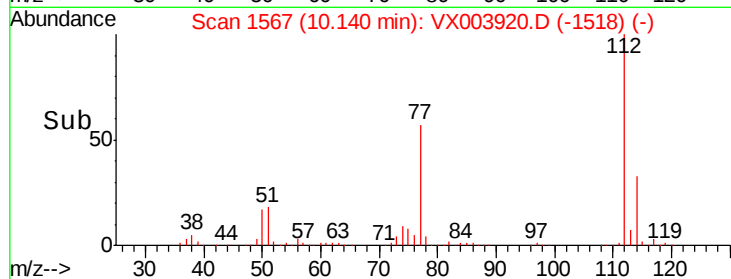
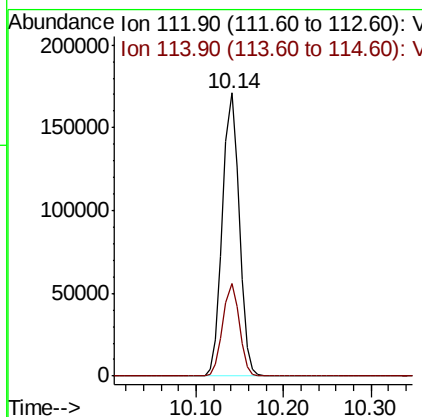
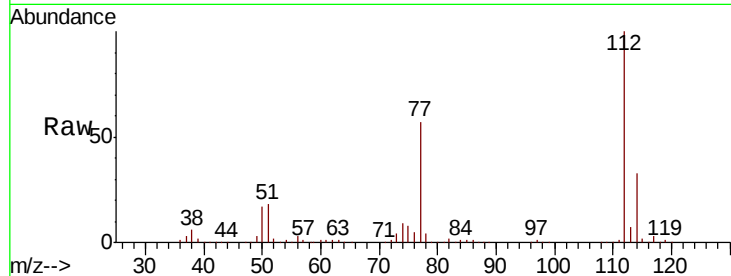
#65
Chlorobenzene
Concen: 18.80 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS02

Tot Ion:112 Resp: 227809
Ion Ratio Lower Upper
112 100
114 32.6 23.6 35.4

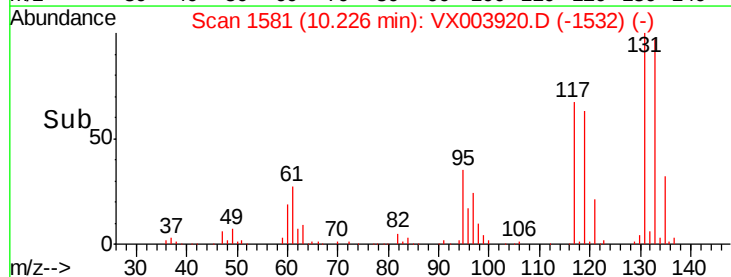
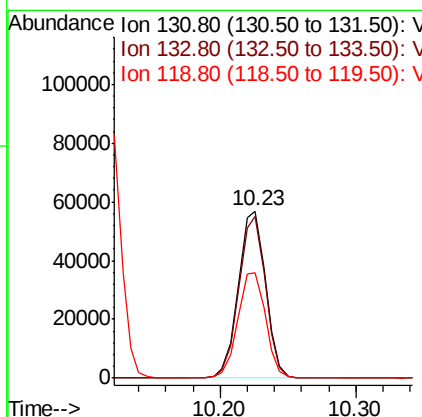
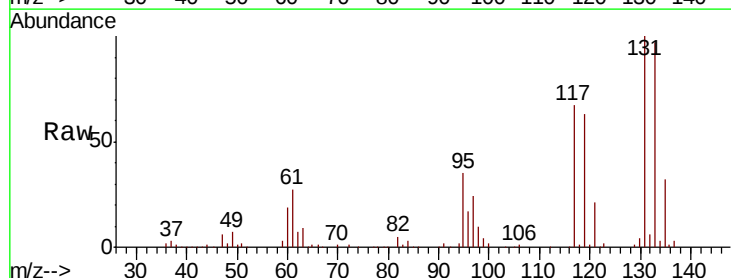
Manual Integrations
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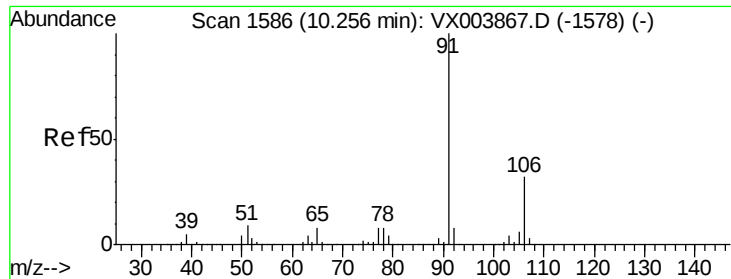
MMDadoda
8/9/2018 10:39:39 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.08 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Tgt Ion:131 Resp: 79507
Ion Ratio Lower Upper
131 100
133 95.0 47.3 141.8
119 64.2 31.6 94.8





#67

Ethyl Benzene

Concen: 19.03 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

Instrument :

MSVOA_X

ClientSampled :

VX0808WBS02

Tot Ion: 91 Resp: 377518

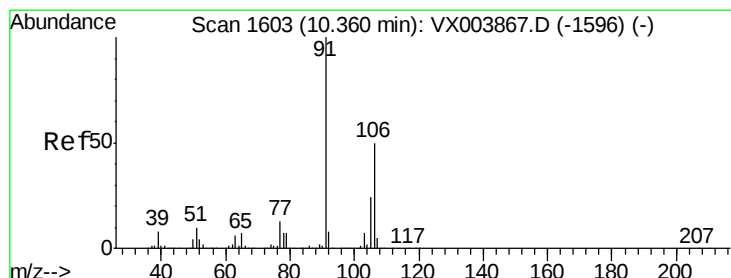
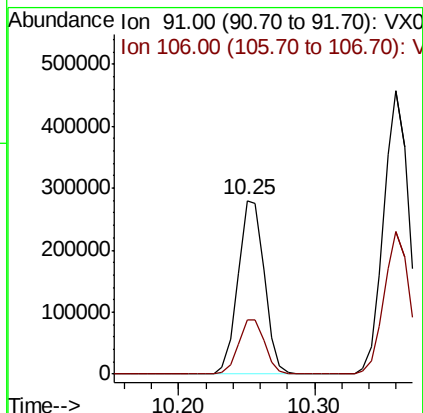
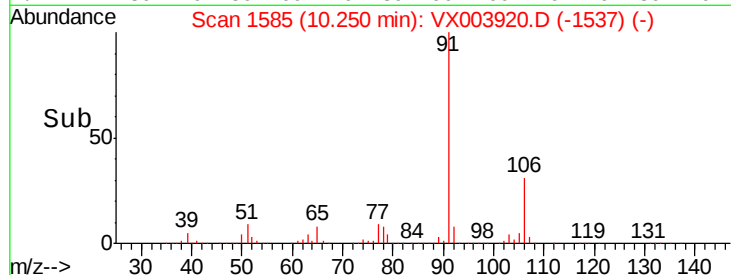
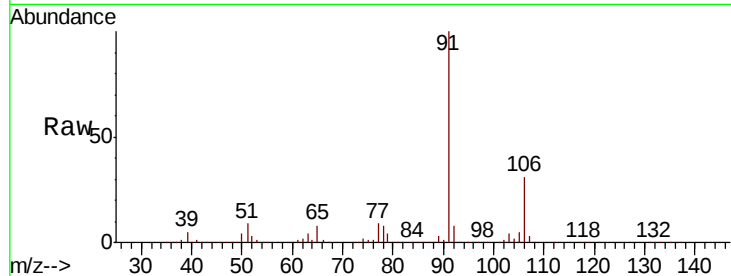
Ion Ratio Lower Upper

91 100

106 31.1 25.9 38.9

Manual Integrations
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MMDadoda
8/9/2018 10:39:39 AM



#68

m/p-Xylenes

Concen: 38.57 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003920.D

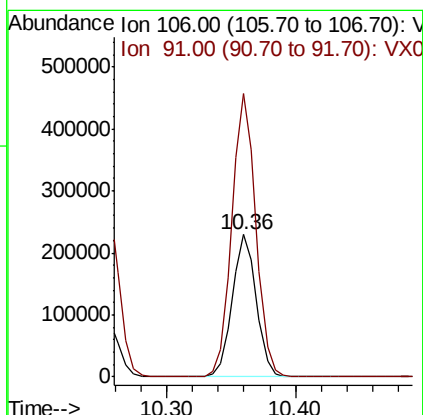
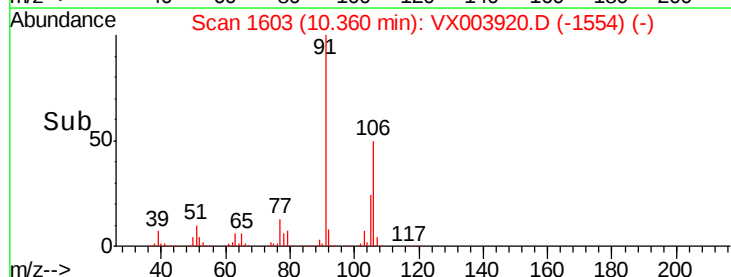
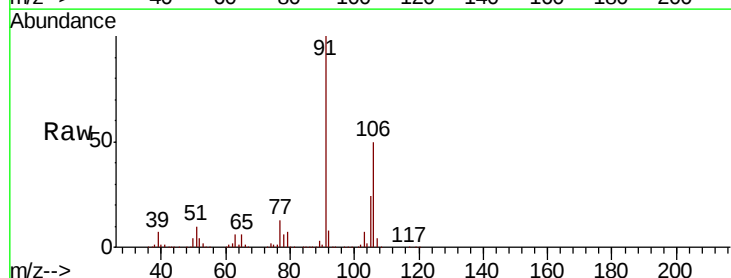
Acq: 08 Aug 2018 13:45

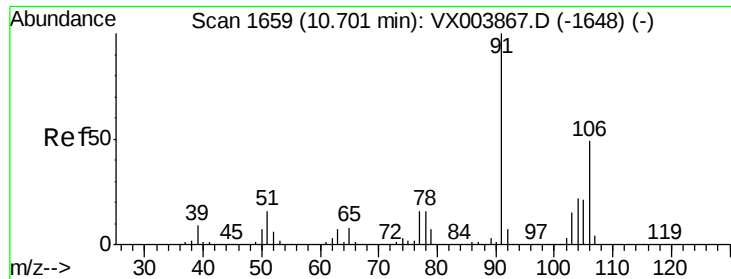
Tgt Ion: 106 Resp: 299021

Ion Ratio Lower Upper

106 100

91 198.7 162.3 243.5





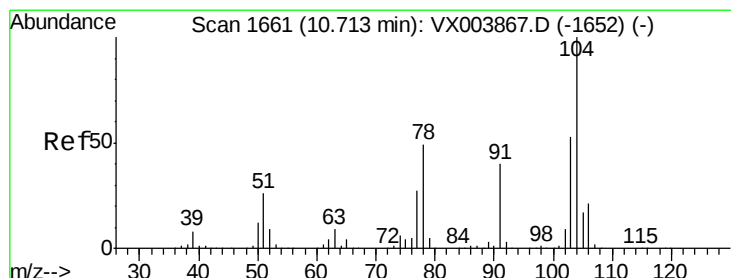
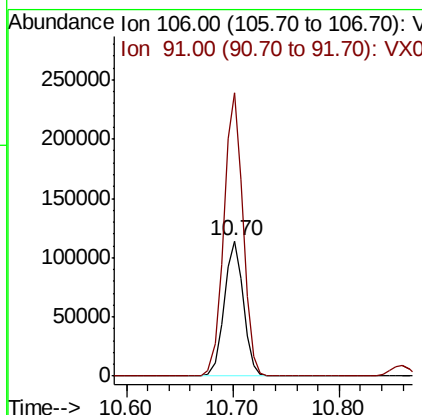
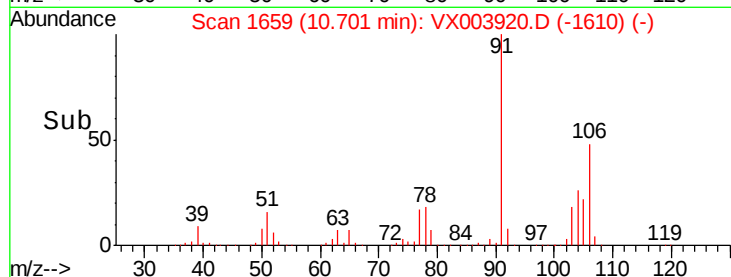
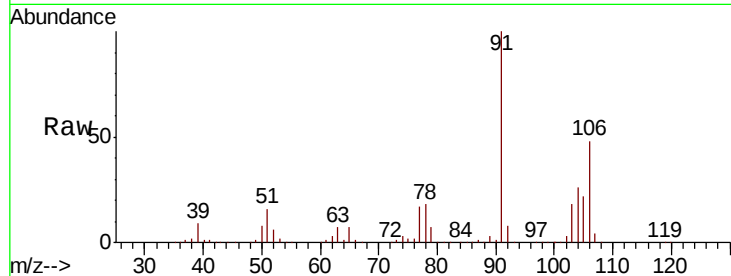
#69
o-Xylene
Concen: 19.54 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Instrument :
MSVOA_X
ClientSampled :
VX0808WBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.1	101.9	305.7

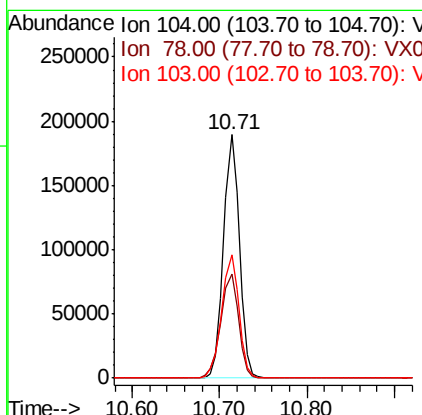
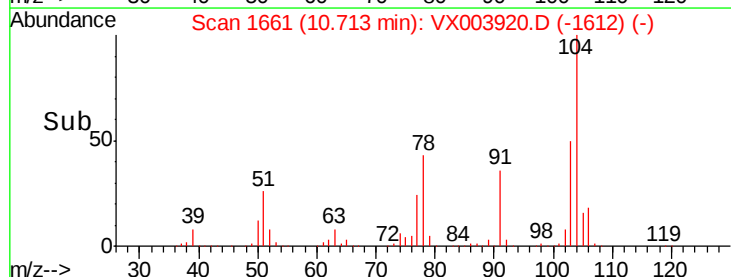
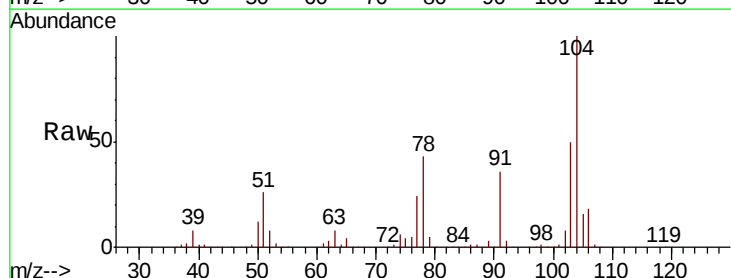
Manual Integrations
APPROVED

MMDadoda
8/9/2018 10:39:39 AM



#70
Styrene
Concen: 19.85 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.0	39.8	59.6
103	54.7	44.3	66.5





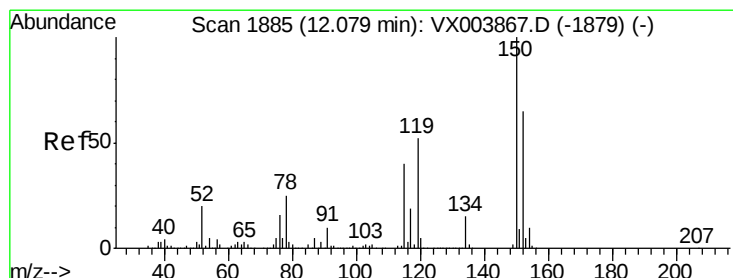
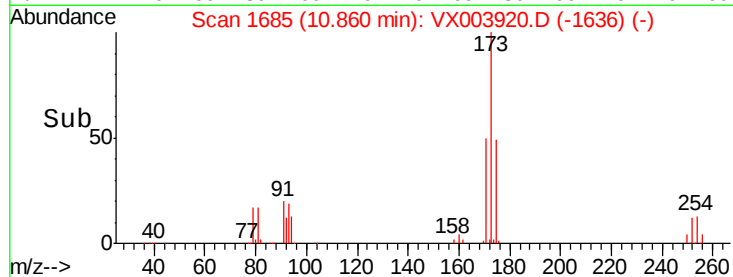
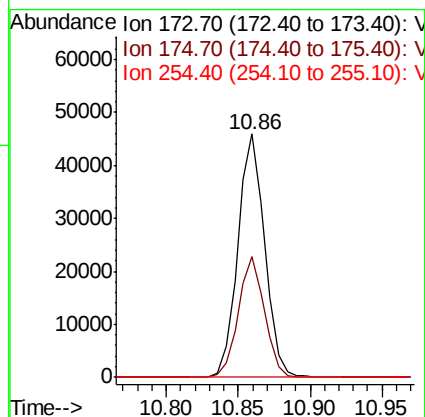
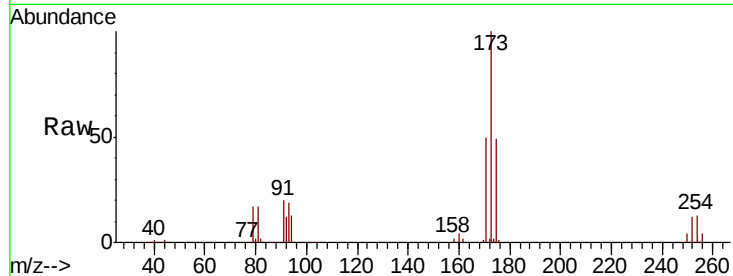
#71
Bromoform
Concen: 18.73 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Instrument :
MSVOA_X
ClientSampled :
VX0808WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.9	74.7
254	0.2	0.2	0.2

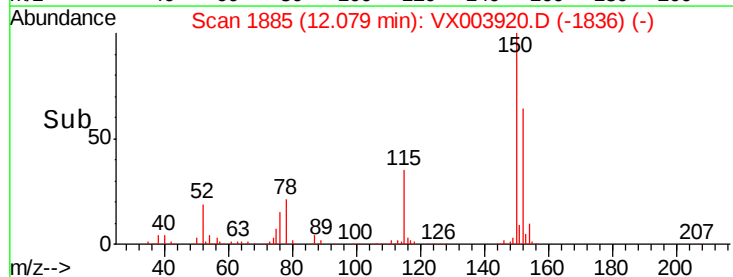
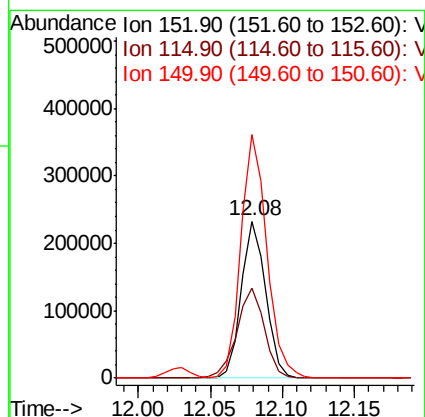
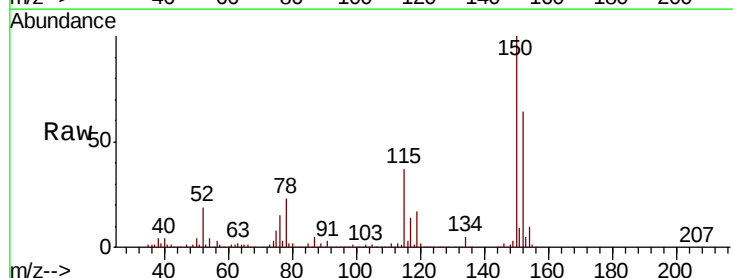
Manual Integrations
APPROVED

MMDadoda
8/9/2018 10:39:39 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.5	39.1	117.3
150	164.8	0.0	349.2





#73

Isopropylbenzene

Concen: 18.86 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBS02

Tot Ion:105 Resp: 383086

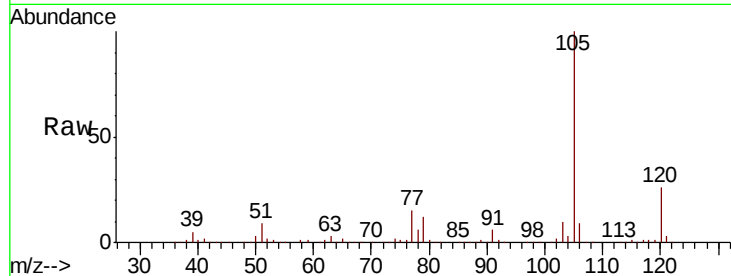
Ion Ratio Lower Upper

105 100

120 26.7 12.6 37.8

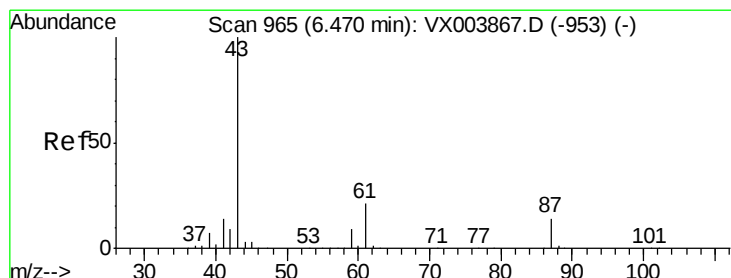
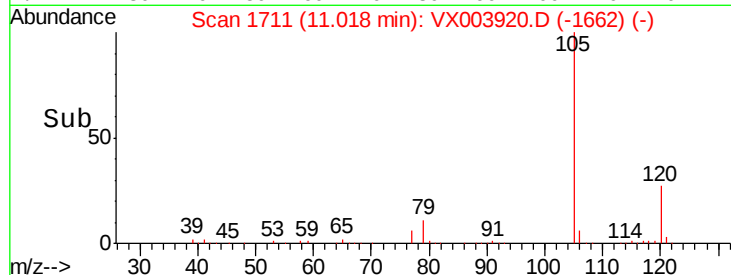
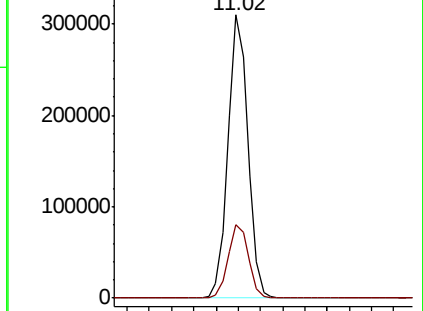
Manual Integrations
APPROVED

MMDadoda
8/9/2018 10:39:39 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.27 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

Tgt Ion: 43 Resp: 171789

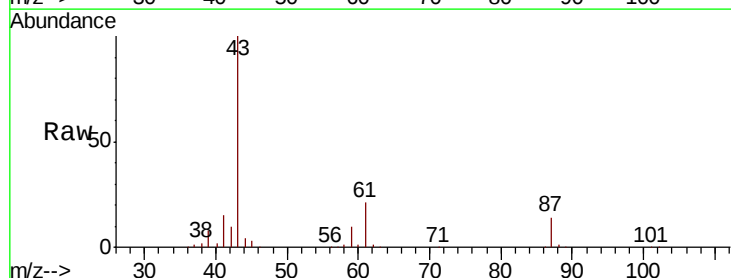
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 21.0 16.9 25.3

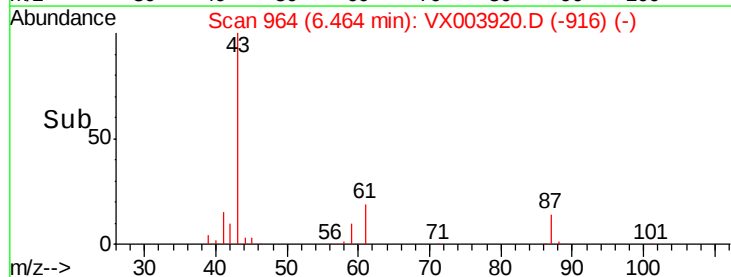
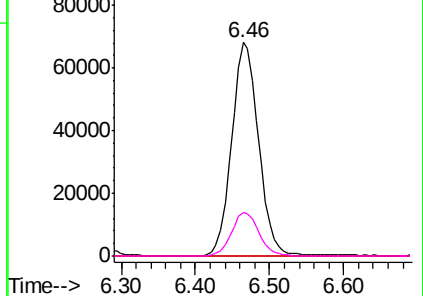


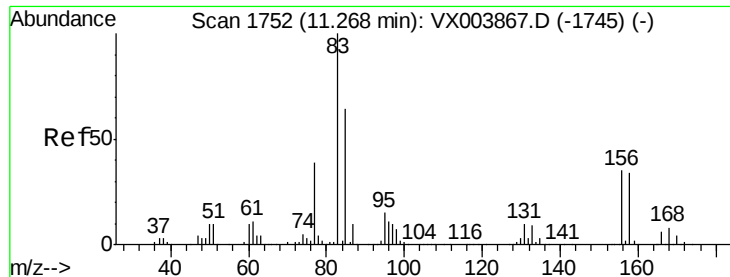
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 18.56 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

Instrument :

MSVOA_X

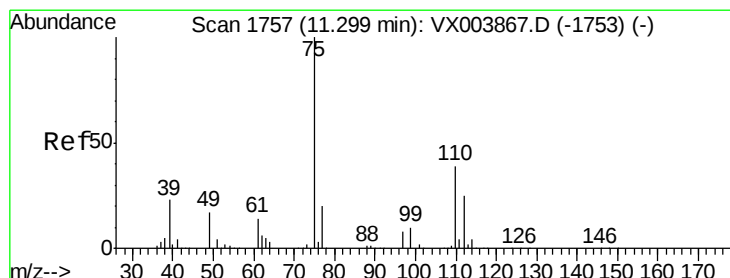
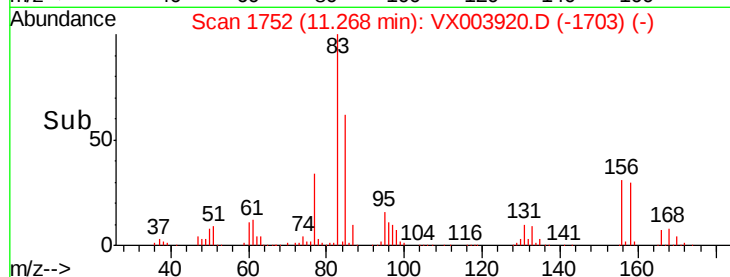
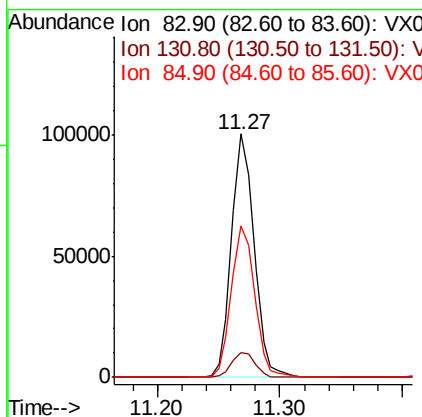
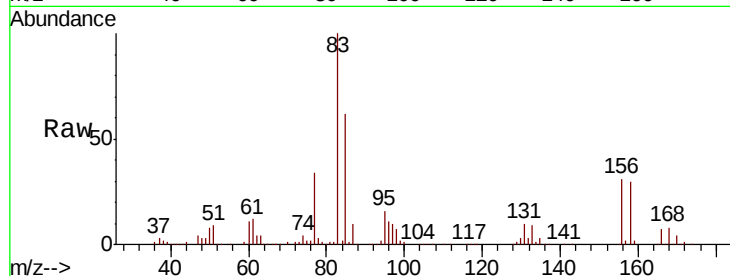
ClientSampled :

VX0808WBS02

Tot Ion:	83	Resp:	129160
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	64.2	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
8/9/2018 10:39:39 AM



#76

1,2,3-Trichloropropane

Concen: 19.06 ug/l m

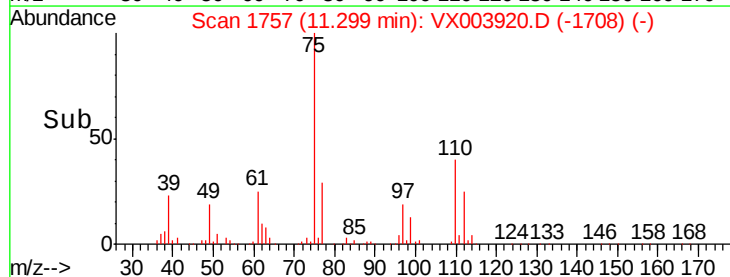
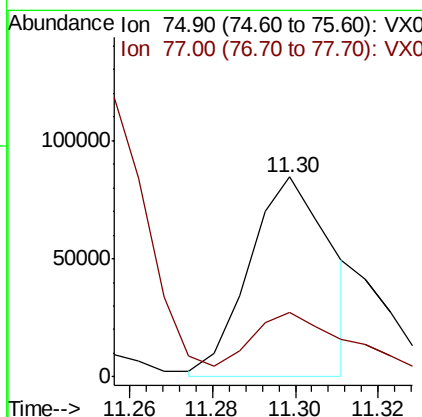
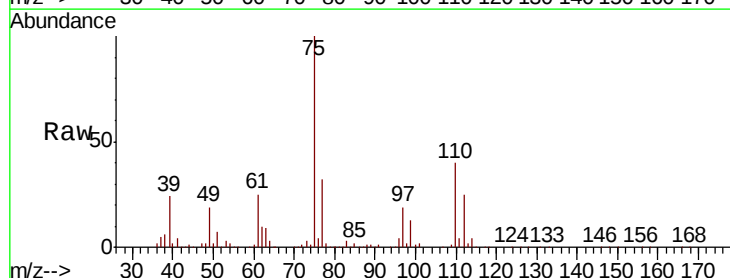
RT: 11.30 min Scan# 1757

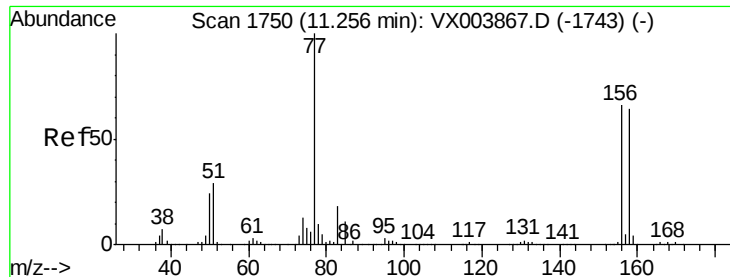
Delta R.T. 0.00 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

Tgt Ion:	75	Resp:	115603
Ion Ratio	Lower	Upper	
75	100		
77	40.1	20.8	62.5





#77

Bromobenzene

Concen: 18.82 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

Instrument :

MSVOA_X

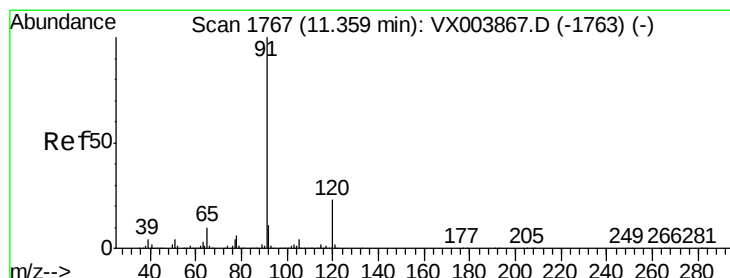
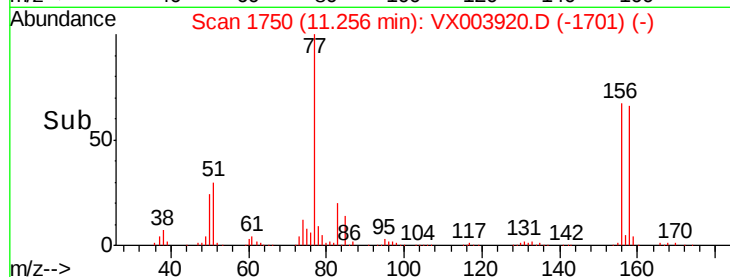
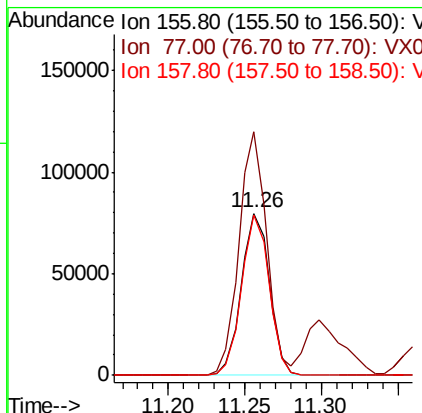
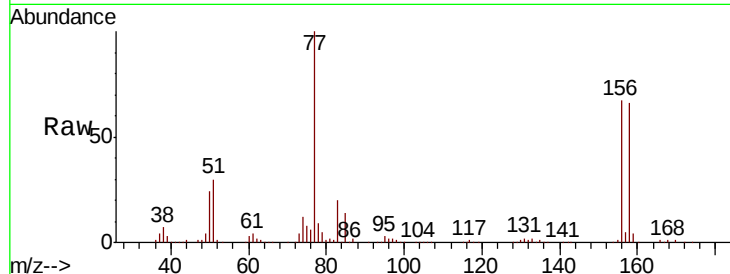
ClientSampleId :

VX0808WBS02

Tot Ion:	156	Resp:	101981
Ion	Ratio	Lower	Upper
156	100		
77	147.6	74.1	222.2
158	97.1	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 19.18 ug/l

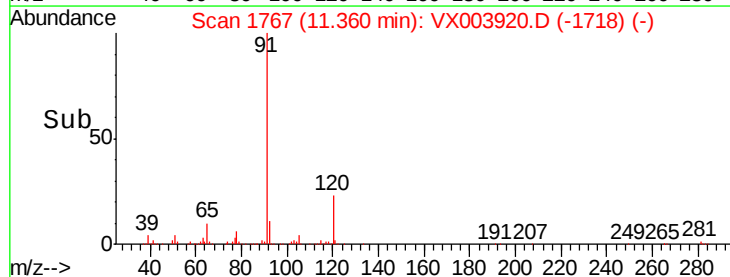
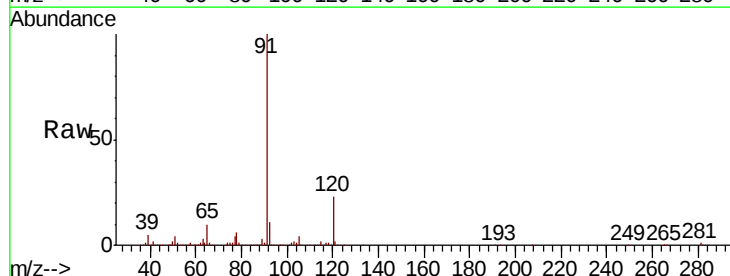
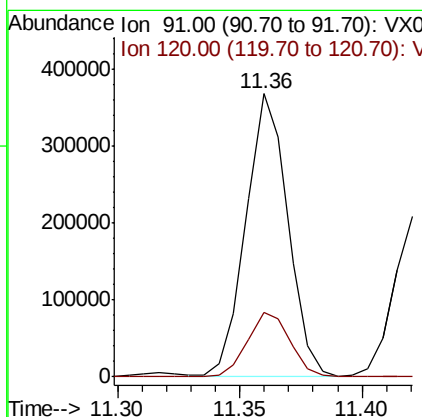
RT: 11.36 min Scan# 1767

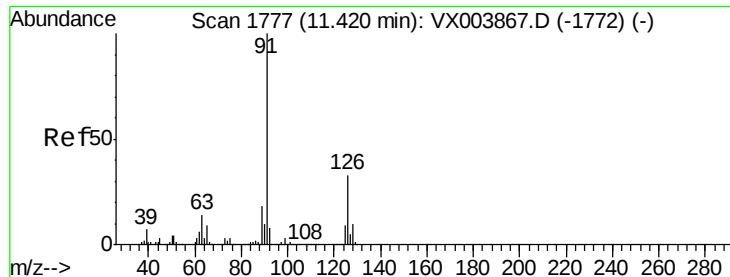
Delta R.T. 0.00 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

Tgt Ion:	91	Resp:	437461
Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.9	35.5





#79

2-Chlorotoluene

Concen: 18.84 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

Instrument :

MSVOA_X

ClientSampled :

VX0808WBS02

Tot Ion: 91 Resp: 261899

Ion Ratio Lower Upper

91 100

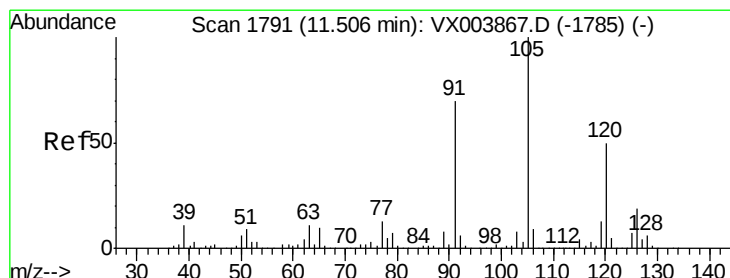
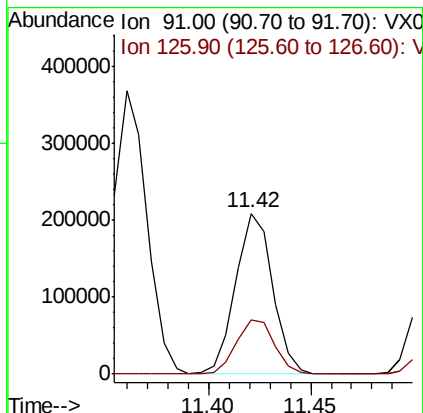
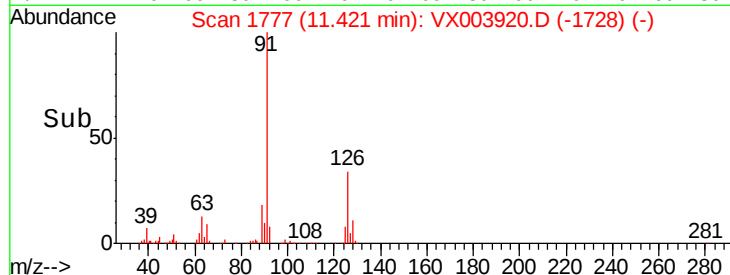
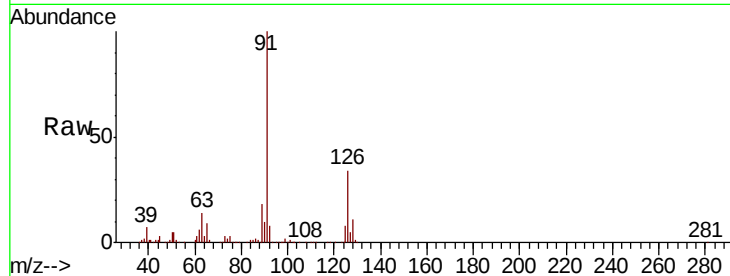
126 34.9 17.4 52.3

Manual Integrations

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8/9/2018 10:39:39 AM



#80

1,3,5-Trimethylbenzene

Concen: 19.16 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003920.D

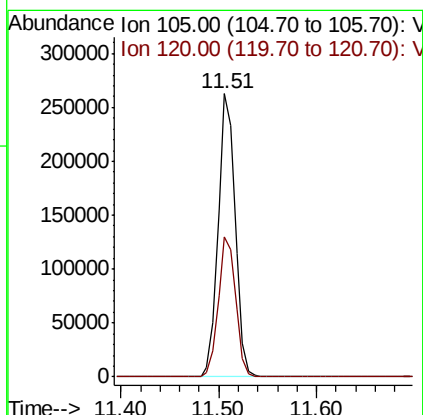
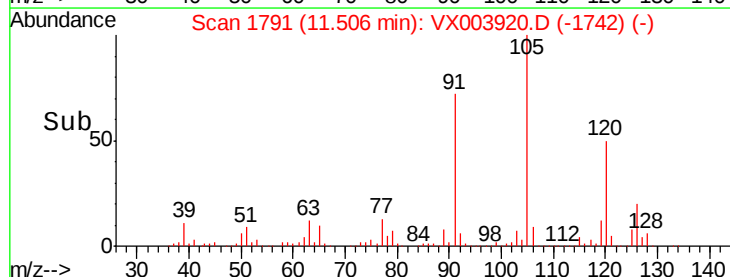
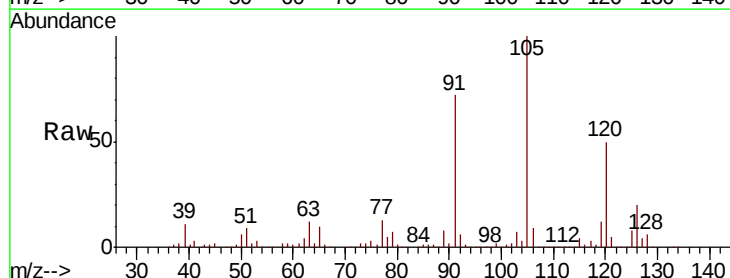
Acq: 08 Aug 2018 13:45

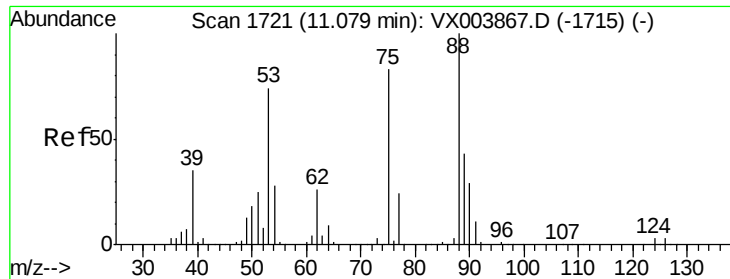
Tgt Ion: 105 Resp: 317236

Ion Ratio Lower Upper

105 100

120 50.3 25.4 76.2





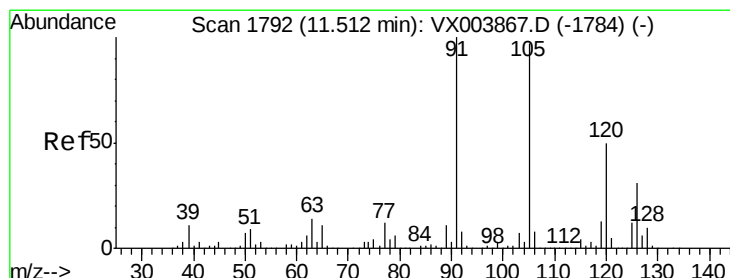
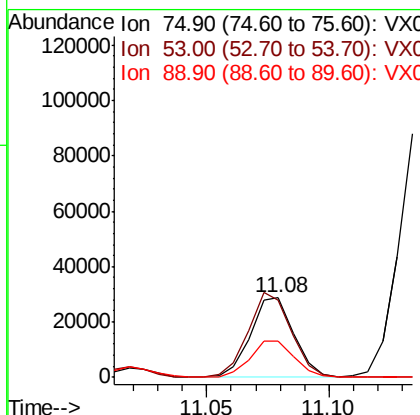
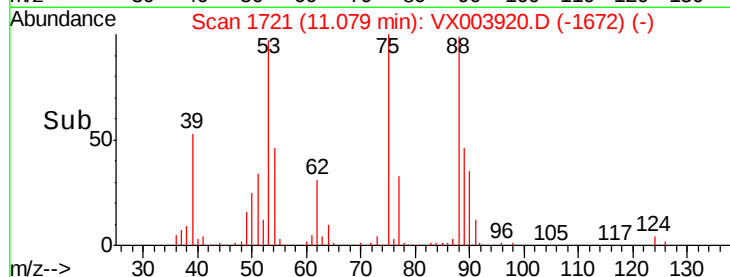
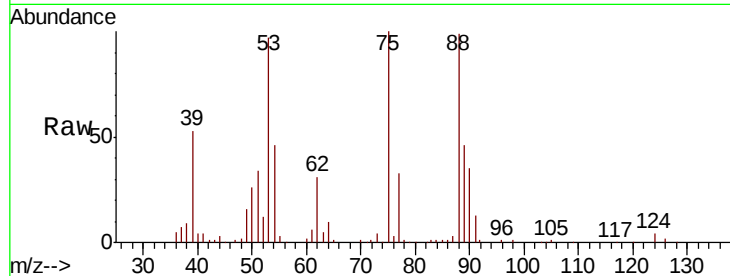
#81
trans-1,4-Dichloro-2-butene
Concen: 17.42 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.0	80.3	120.5
89	47.0	37.8	56.8

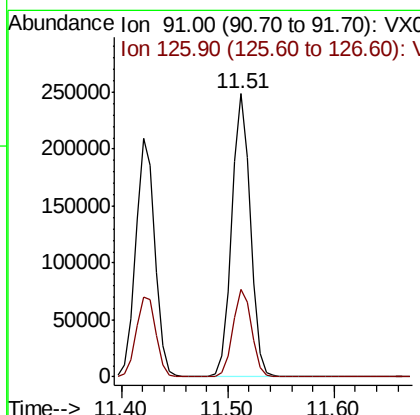
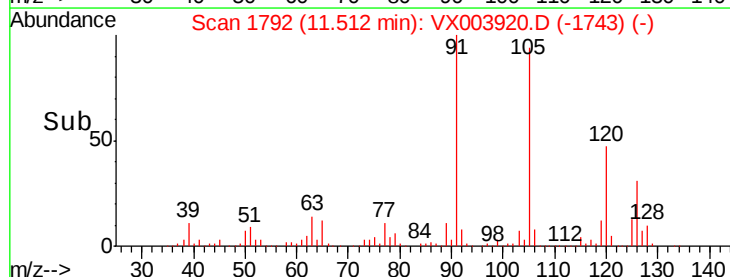
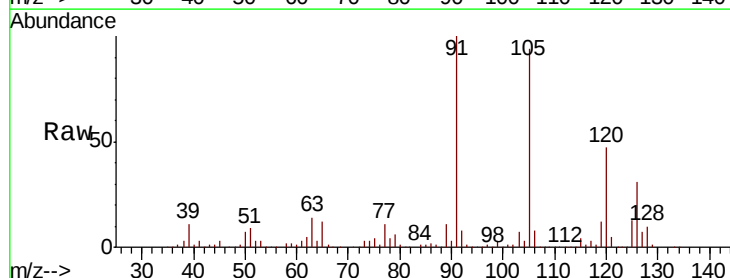
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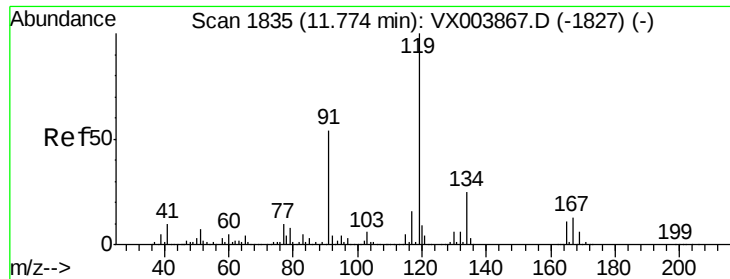
MMDadoda
8/9/2018 10:39:39 AM



#82
4-Chlorotoluene
Concen: 18.82 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.6	46.7





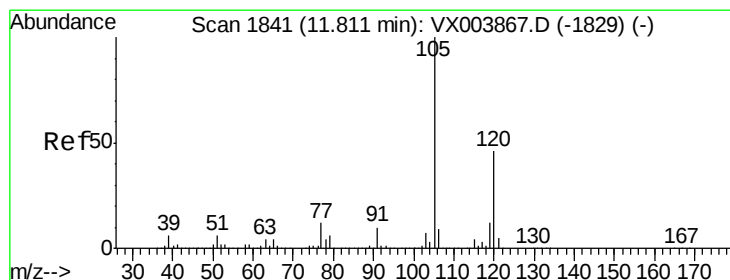
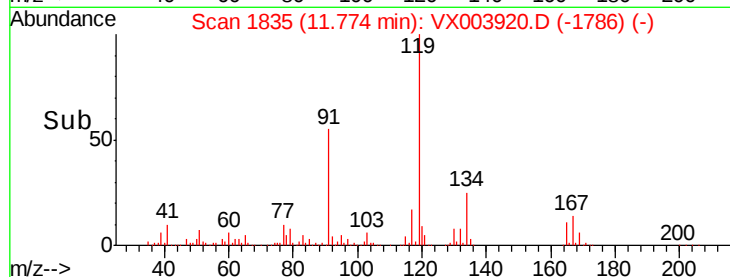
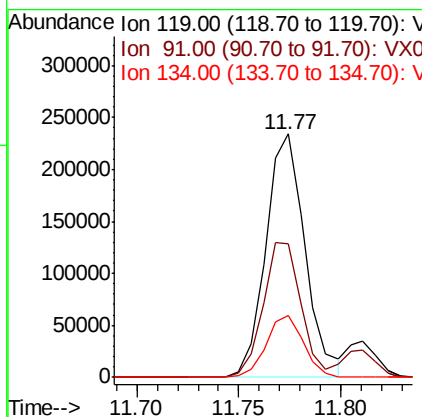
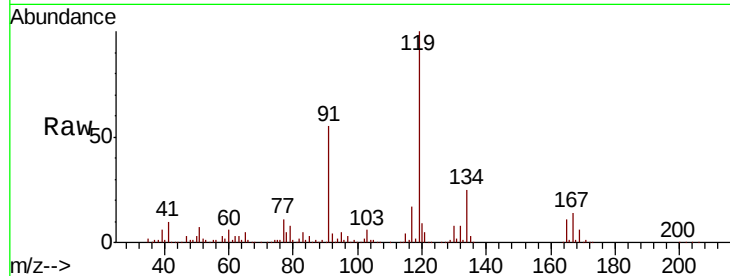
#83
tert-Butylbenzene
Concen: 19.22 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Instrument :
MSVOA_X
ClientSampled :
VX0808WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100			
91	53.5	26.9	80.7	
134	24.4	12.0	36.0	

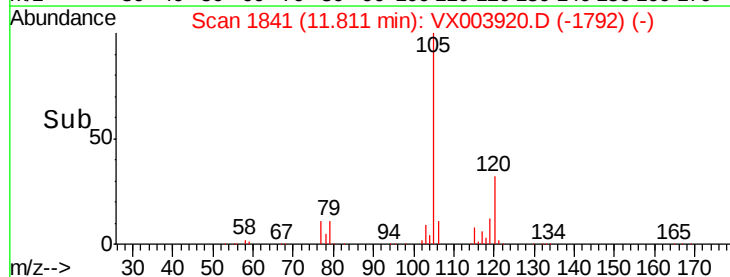
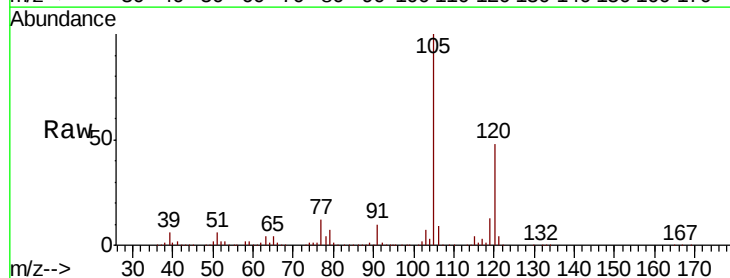
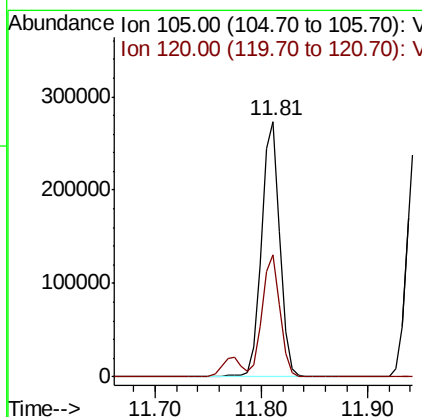
Manual Integrations
APPROVED

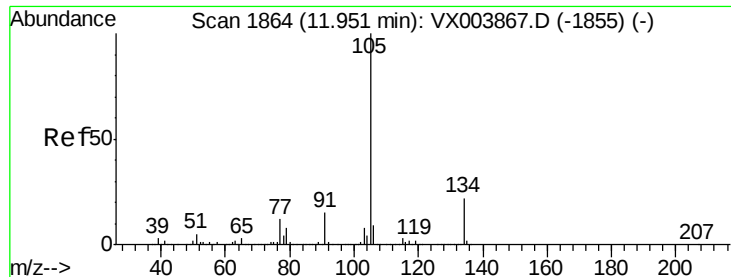
MMDadoda
8/9/2018 10:39:39 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.72 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
120	46.7	23.1	69.2	





#85

sec-Butylbenzene

Concen: 19.24 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

Instrument :

MSVOA_X

ClientSampled :

VX0808WBS02

Tot Ion:105 Resp: 369869

Ion Ratio Lower Upper

105 100

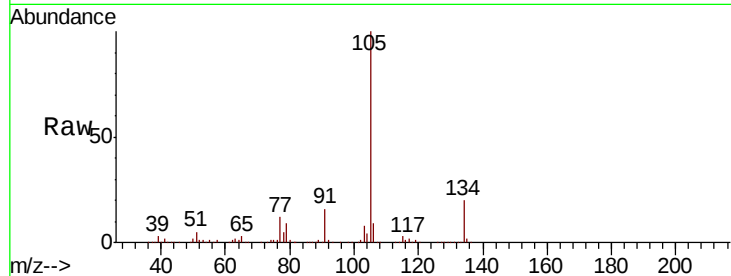
134 20.7 10.3 30.9

Manual Integrations

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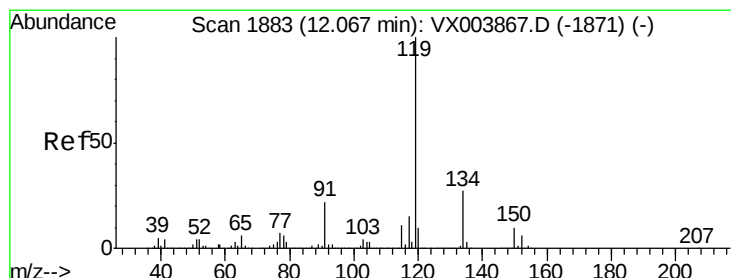
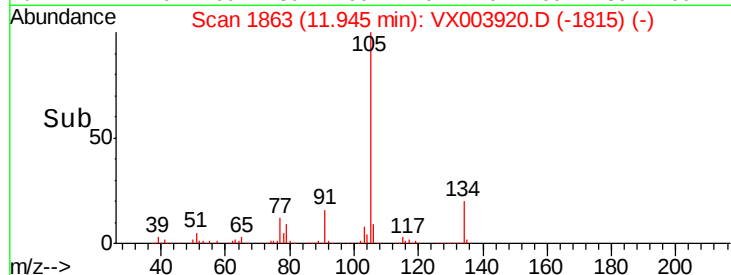
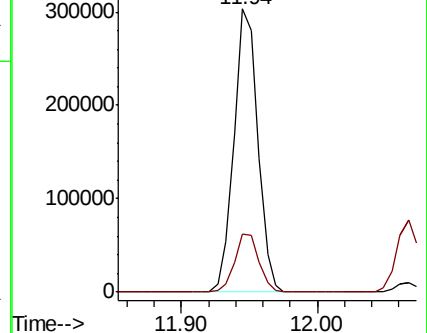
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.30 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

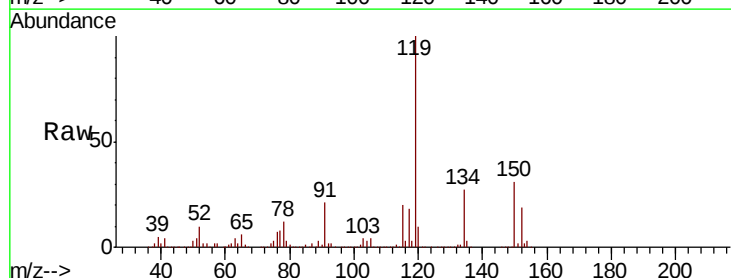
Tgt Ion:119 Resp: 332933

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.8

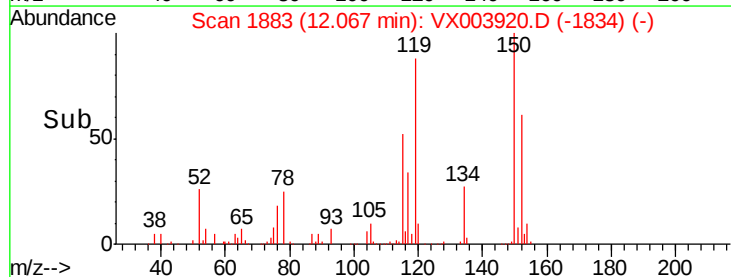
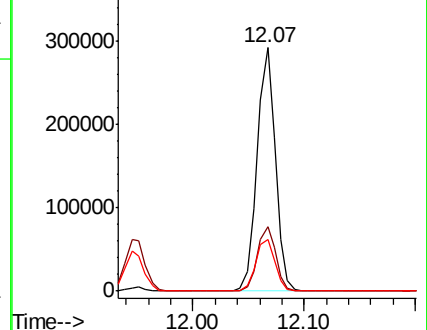
91 22.3 10.9 32.7

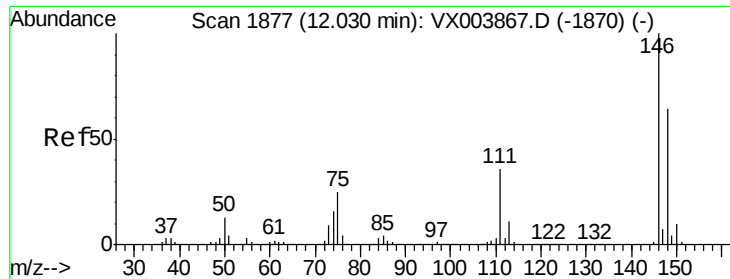


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





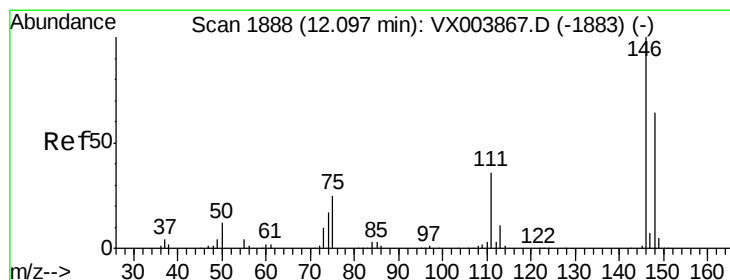
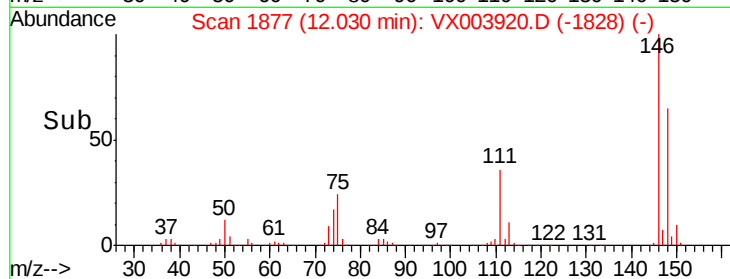
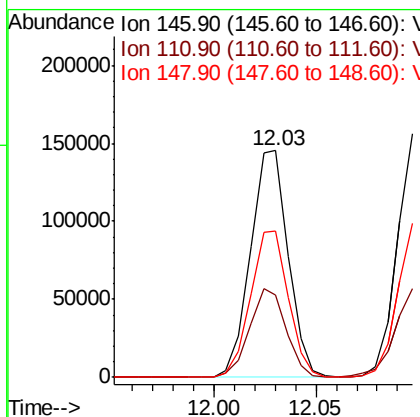
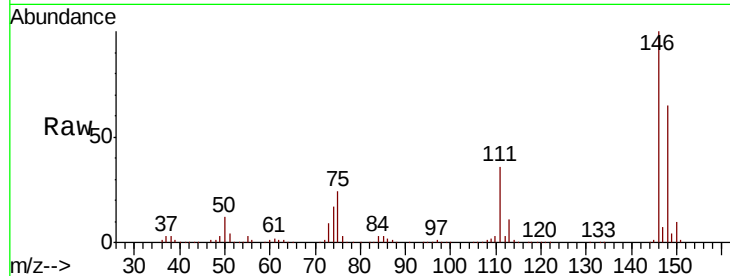
#87
 1,3-Dichlorobenzene
 Concen: 18.71 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003920.D
 Acq: 08 Aug 2018 13:45

Instrument :
 MSVOA_X
 ClientSampled :
 VX0808WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.8	56.4
148	64.6	31.9	95.5

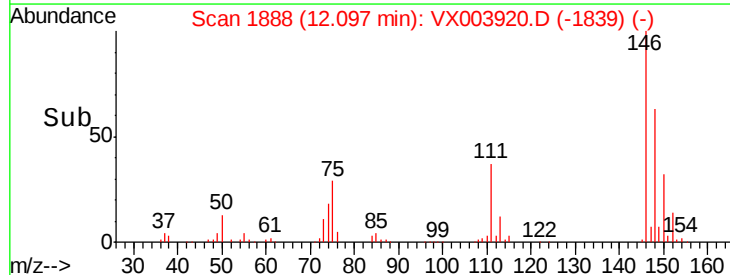
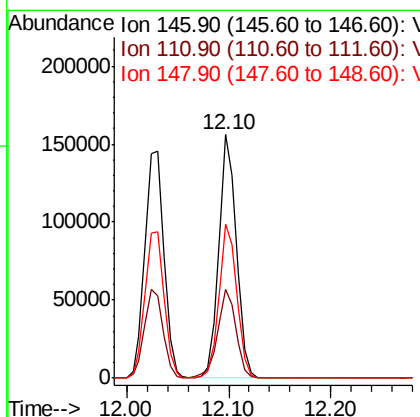
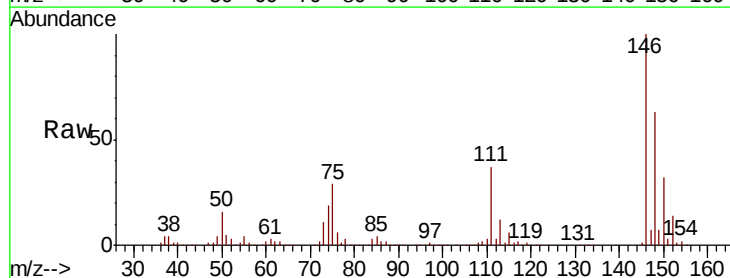
Manual Integrations
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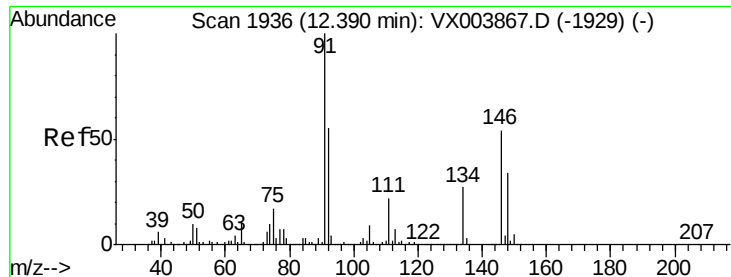
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#88
 1,4-Dichlorobenzene
 Concen: 19.67 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003920.D
 Acq: 08 Aug 2018 13:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.4	55.0
148	64.3	32.3	96.8





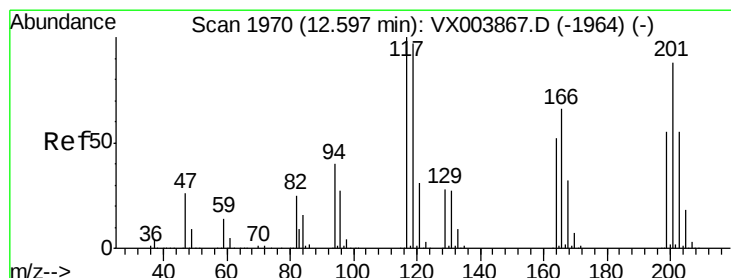
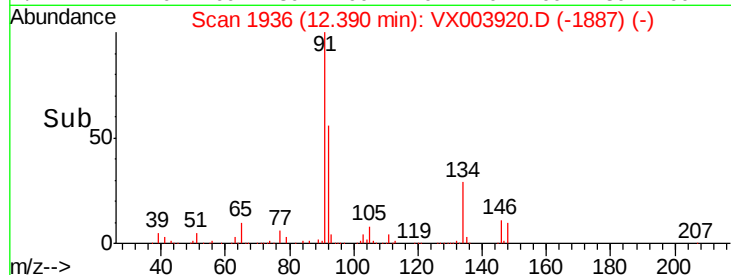
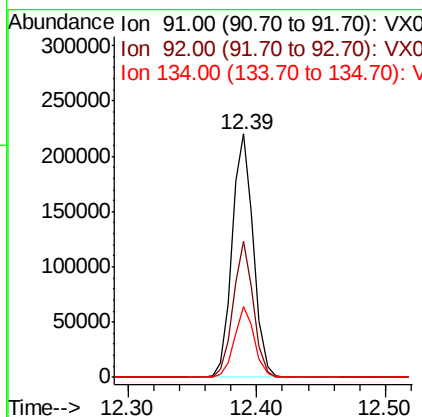
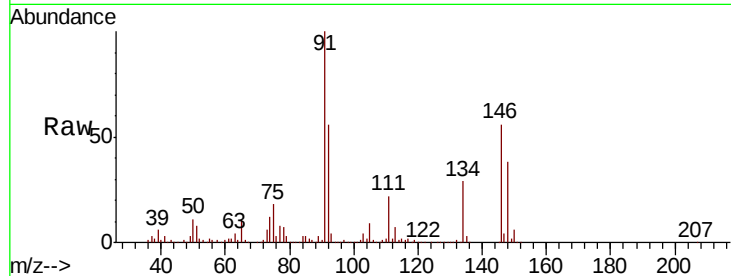
#89
n-Butylbenzene
Concen: 16.86 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.1	81.3
134	27.4	13.6	40.7

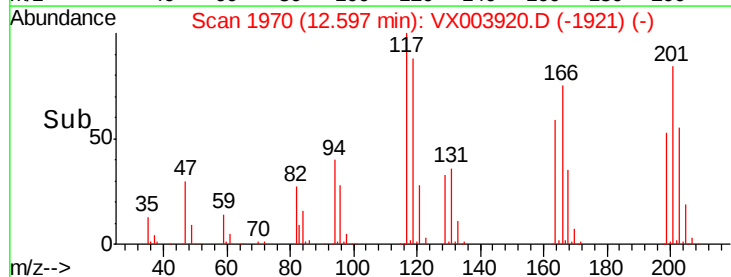
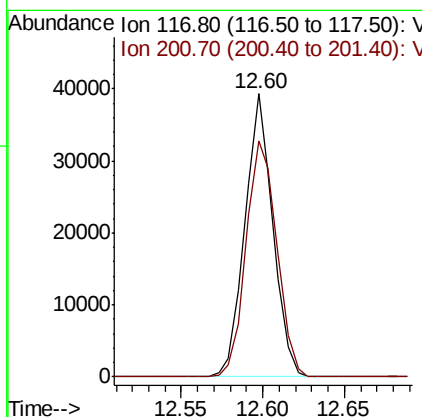
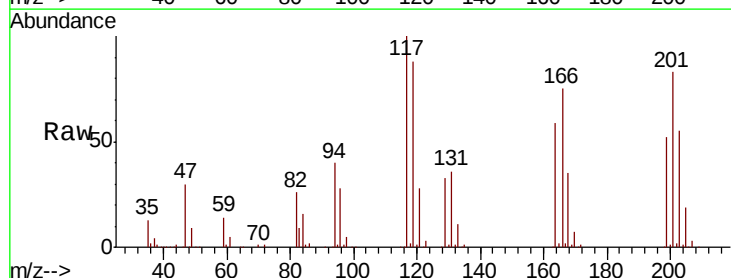
Manual Integrations
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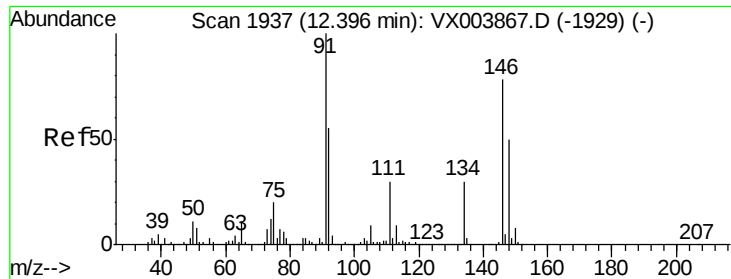
MMDadoda
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#90
Hexachloroethane
Concen: 16.79 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003920.D
Acq: 08 Aug 2018 13:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.4	46.1	138.2





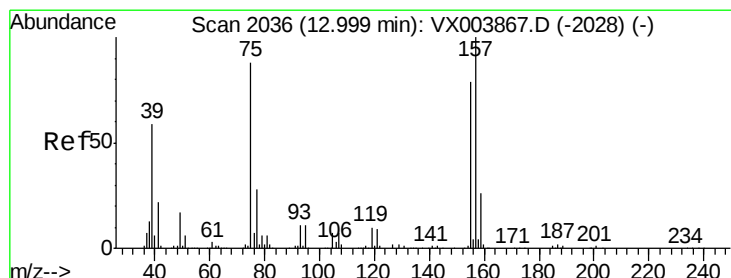
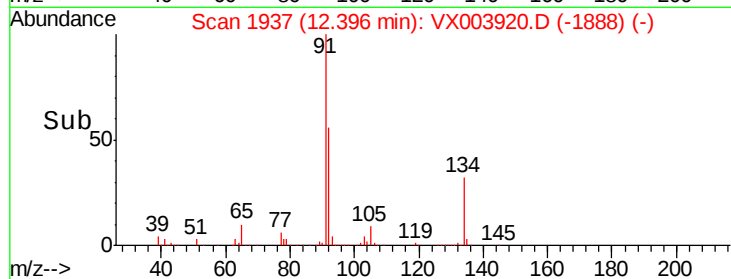
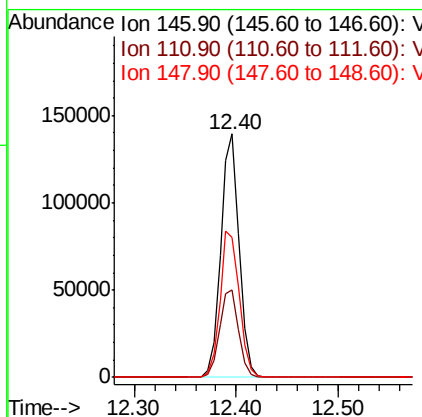
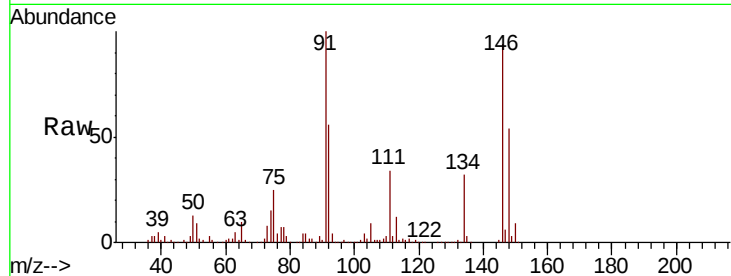
#91
 1,2-Dichlorobenzene
 Concen: 17.55 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003920.D
 Acq: 08 Aug 2018 13:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.7	59.0
148	63.1	31.9	95.5

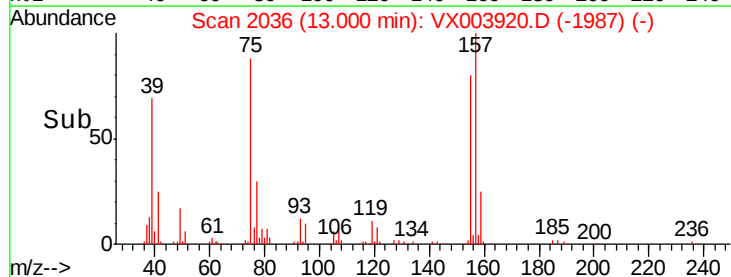
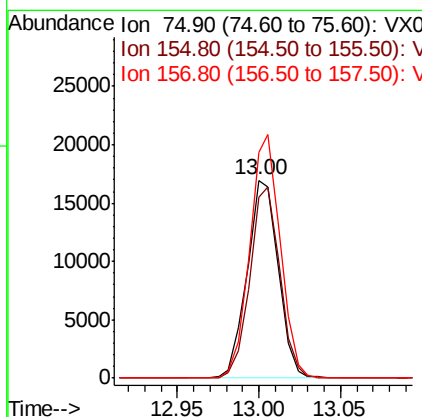
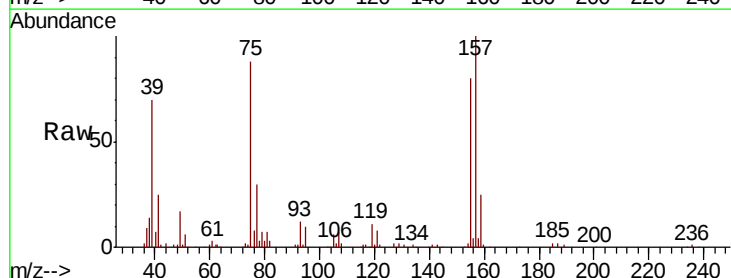
Manual Integrations
 APPROVED

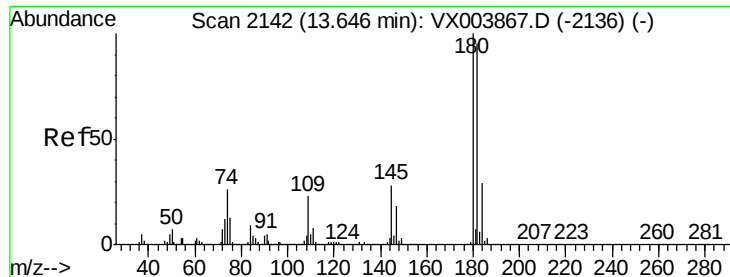
MMDadoda
 8/9/2018 10:39:39 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.89 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX003920.D
 Acq: 08 Aug 2018 13:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	48.7	146.1
157	120.2	62.6	187.8





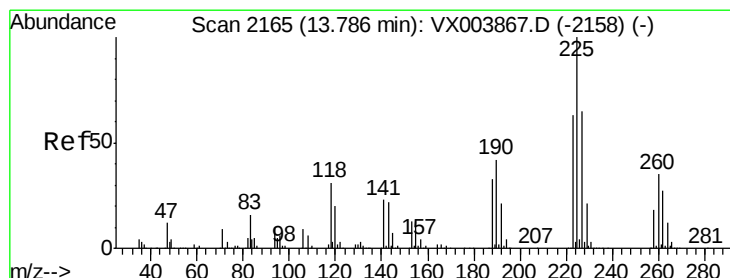
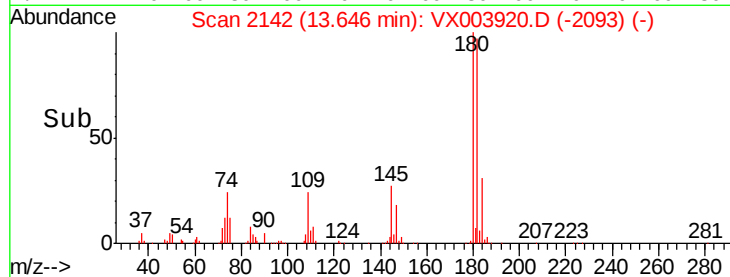
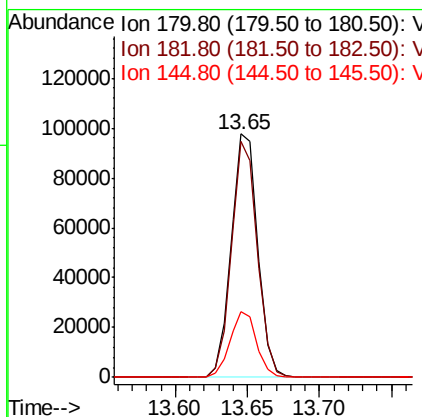
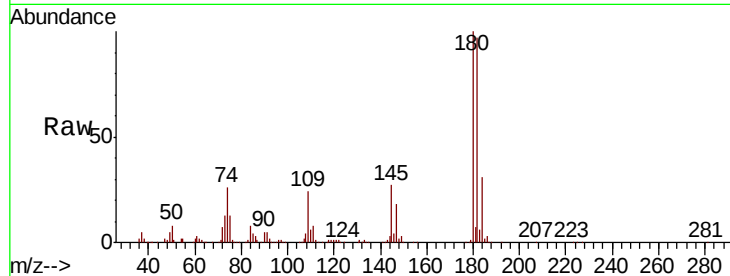
#93
 1,2,4-Trichlorobenzene
 Concen: 17.66 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003920.D
 Acq: 08 Aug 2018 13:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	126096		
182	94.4	47.7	143.1	
145	26.9	13.9	41.6	

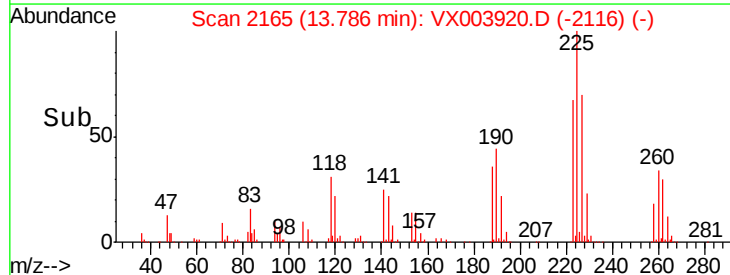
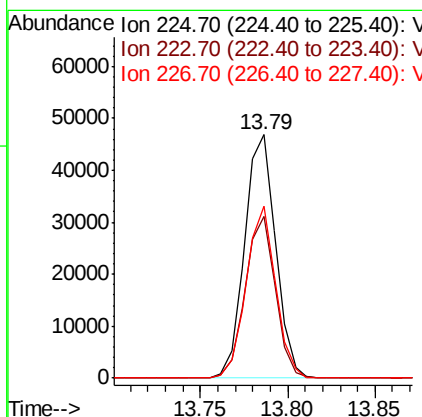
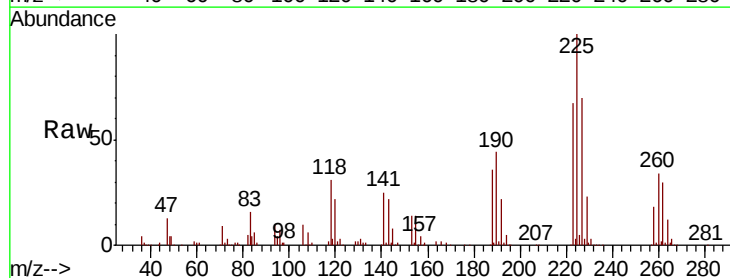
Manual Integrations
 APPROVED

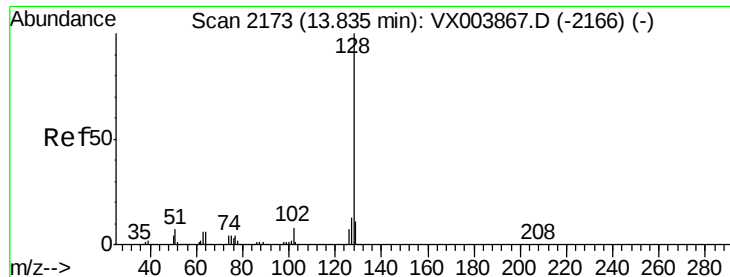
MMDadoda
 8/9/2018 10:39:39 AM



#94
 Hexachlorobutadiene
 Concen: 18.59 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003920.D
 Acq: 08 Aug 2018 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57712		
223	64.5	31.4	94.0	
227	67.2	32.1	96.5	





#95

Naphthalene

Concen: 19.45 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

Instrument :

MSVOA_X

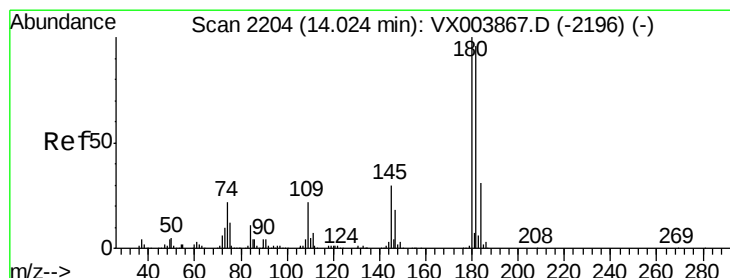
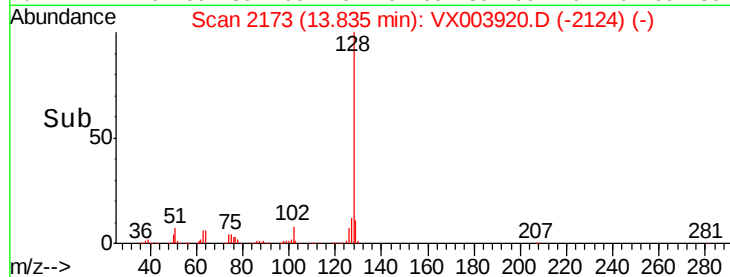
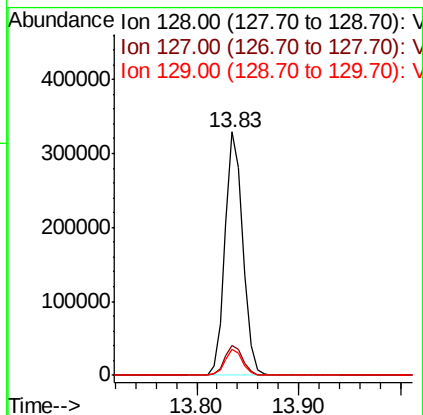
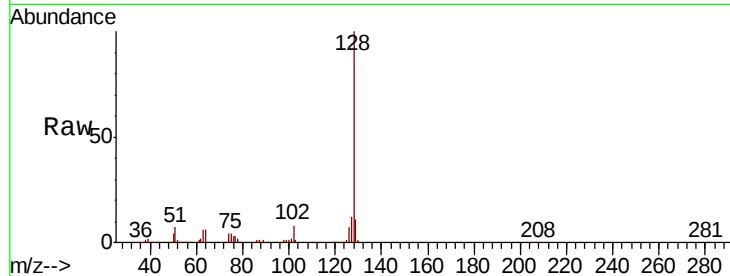
ClientSampled :

VX0808WBS02

Tot Ion:	128	Resp:	397672
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.2	15.2
129	10.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/9/2018 10:39:39 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.87 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003920.D

Acq: 08 Aug 2018 13:45

Tgt Ion:	180	Resp:	134439
Ion Ratio	Lower	Upper	
180	100		
182	95.4	48.1	144.4
145	29.4	14.9	44.7

