

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110818\
 Data File : VX005848.D
 Acq On : 08 Nov 2018 15:56
 Operator : JC/MD
 Sample : VX1108WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108WBSD02

Manual Integrations
 APPROVED

MMDadoda
 11/9/2018 11:37:19 AM

Quant Time: Nov 08 16:19:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	115382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	160261	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	138840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	75947	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	73298	55.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.52%	
35) Dibromofluoromethane	5.50	113	57828	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
50) Toluene-d8	8.71	98	210903	58.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.40%	
62) 4-Bromofluorobenzene	11.14	95	69928	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	21826	20.981	ug/l	98
3) Chloromethane	1.32	50	26948	19.738	ug/l	96
4) Vinyl Chloride	1.41	62	27933	20.380	ug/l	95
5) Bromomethane	1.64	94	14116	16.830	ug/l	86
6) Chloroethane	1.72	64	16446	20.110	ug/l	97
7) Trichlorofluoromethane	1.93	101	35758	19.655	ug/l	94
8) Diethyl Ether	2.19	74	14205	19.926	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.38	101	20454	19.548	ug/l	96
10) Methyl Iodide	2.51	142	19137	15.091	ug/l	99
11) Tert butyl alcohol	3.07	59	36946	97.230	ug/l	100
12) 1,1-Dichloroethene	2.37	96	19471	19.092	ug/l	83
13) Acrolein	2.29	56	16665	104.092	ug/l	100
14) Allyl chloride	2.73	41	44882	19.705	ug/l	99
15) Acrylonitrile	3.15	53	77617	98.564	ug/l	96
16) Acetone	2.45	43	73596	103.046	ug/l	98
17) Carbon Disulfide	2.57	76	57828	19.010	ug/l	97
18) Methyl Acetate	2.78	43	42360	21.280	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	73586	21.140	ug/l	99
20) Methylene Chloride	2.86	84	22588	19.254	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	20832	19.366	ug/l	88
22) Diisopropyl ether	3.87	45	79042	19.809	ug/l	97
23) Vinyl Acetate	3.82	43	346000	101.135	ug/l	99
24) 1,1-Dichloroethane	3.70	63	43375	20.375	ug/l	98
25) 2-Butanone	4.70	43	113876	101.418	ug/l	100
26) 2,2-Dichloropropane	4.59	77	31903	20.430	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	23568	19.842	ug/l	98
28) Bromochloromethane	5.01	49	21924	23.044	ug/l	99
29) Tetrahydrofuran	5.16	42	72526	100.598	ug/l	99
30) Chloroform	5.21	83	40692	19.813	ug/l	97
31) Cyclohexane	5.57	56	37152	20.105	ug/l	90
32) 1,1,1-Trichloroethane	5.50	97	34152	19.936	ug/l	99
36) 1,1-Dichloropropene	5.79	75	30411	19.684	ug/l	99
37) Ethyl Acetate	4.85	43	40706	20.036	ug/l	99
38) Carbon Tetrachloride	5.78	117	30716	19.859	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	28564	18.242	ug/l	97
40) Benzene	6.14	78	92072	20.443	ug/l	98
41) Methacrylonitrile	5.07	41	22692	20.671	ug/l	97
42) 1,2-Dichloroethane	6.19	62	32450	20.116	ug/l	99
43) Isopropyl Acetate	6.46	43	58856	19.993	ug/l	100
44) Trichloroethene	7.21	130	21601	18.886	ug/l	94
45) 1,2-Dichloropropane	7.52	63	22649	20.719	ug/l	93
46) Dibromomethane	7.66	93	13798	20.114	ug/l	98
47) Bromodichloromethane	7.90	83	25777	19.883	ug/l	98
48) Methyl methacrylate	7.77	41	26218	19.834	ug/l	99
49) 1,4-Dioxane	7.75	88	11510	404.084	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	182282	98.247	ug/l	98
52) Toluene	8.79	92	48423	19.237	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	28427	18.581	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	30956	19.852	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	20390	18.175	ug/l	96
56) Ethyl methacrylate	9.18	69	29244	17.422	ug/l	98
57) 1,3-Dichloropropane	9.37	76	33715	17.884	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	91954	105.484	ug/l	99
59) 2-Hexanone	9.49	43	142208	86.956	ug/l	100
60) Dibromochloromethane	9.59	129	20528	16.931	ug/l	100
61) 1,2-Dibromoethane	9.67	107	20619	16.622	ug/l	99
64) Tetrachloroethene	9.34	164	22056	18.659	ug/l	97
65) Chlorobenzene	10.14	112	54233	19.498	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	19729	20.403	ug/l	100
67) Ethyl Benzene	10.25	91	91397	20.492	ug/l	98
68) m/p-Xylenes	10.36	106	70582	41.489	ug/l	99
69) o-Xylene	10.70	106	33727	22.109	ug/l	100
70) Styrene	10.71	104	56148	22.312	ug/l	99
71) Bromoform	10.86	173	16520	20.380	ug/l #	100
73) Isopropylbenzene	11.02	105	93255	21.233	ug/l	100
74) N-amyl acetate	10.90	43	44755	18.958	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	31741	19.690	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	31338m	20.265	ug/l	
77) Bromobenzene	11.26	156	24971	20.172	ug/l	99
78) n-propylbenzene	11.36	91	107470	20.763	ug/l	99
79) 2-Chlorotoluene	11.42	91	64696	20.679	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	79386	21.270	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	9253	19.070	ug/l	95
82) 4-Chlorotoluene	11.51	91	76561	20.764	ug/l	99
83) tert-Butylbenzene	11.77	119	76529	20.268	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	81859	19.802	ug/l	98
85) sec-Butylbenzene	11.94	105	94684	20.507	ug/l	99
86) p-Isopropyltoluene	12.07	119	83708	20.467	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	45576	19.184	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	46280	19.029	ug/l	98
89) n-Butylbenzene	12.39	91	74078	19.543	ug/l	99
90) Hexachloroethane	12.60	117	13420	19.654	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	45407	19.079	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	7763	19.734	ug/l	96

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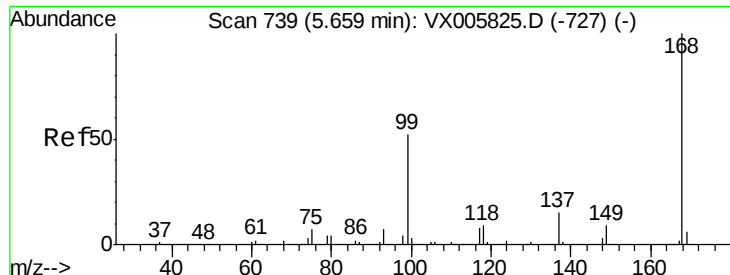
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	33455	19.968	ug/l	99
94) Hexachlorobutadiene	13.79	225	16287	18.506	ug/l	99
95) Naphthalene	13.83	128	103170	19.615	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	34616	20.280	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

Instrument :

MSVOA_X

ClientSampleId :

VX1108WBSD02

Tot Ion:168 Resp: 115382

Ion Ratio Lower Upper

168 100

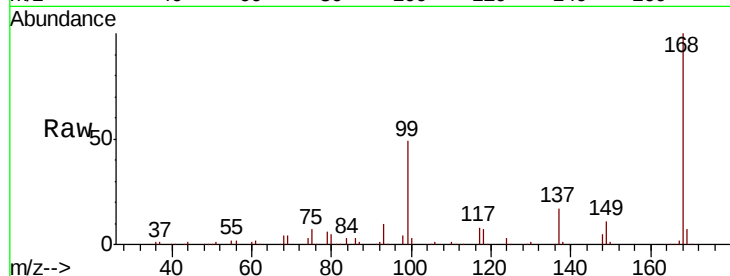
99 48.5 40.7 61.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

40000

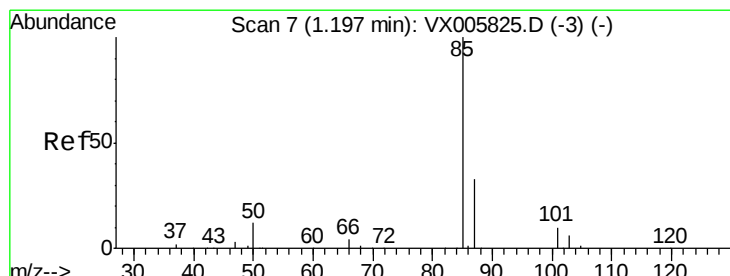
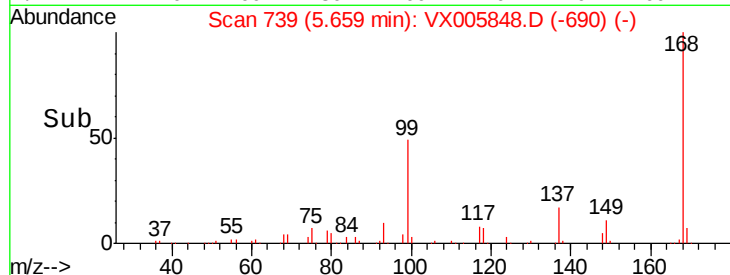
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.981 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005848.D

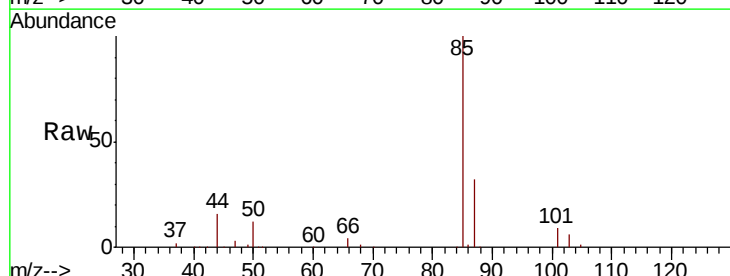
Acq: 08 Nov 2018 15:56

Tgt Ion: 85 Resp: 21826

Ion Ratio Lower Upper

85 100

87 31.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

25000

20000

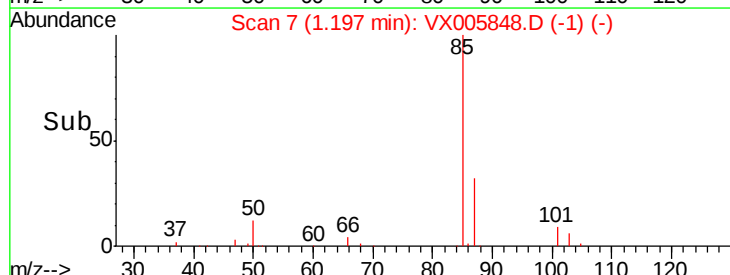
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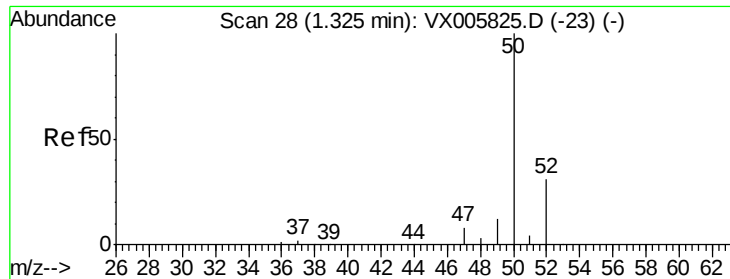
10000

5000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 19.738 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

Instrument :

MSVOA_X

ClientSampleId :

VX1108WBSD02

Tot Ion: 50 Resp: 26948

Ion Ratio Lower Upper

50 100

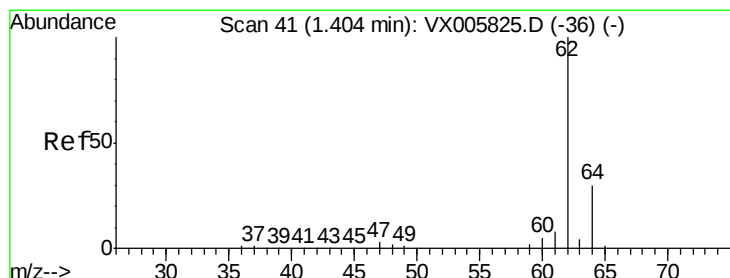
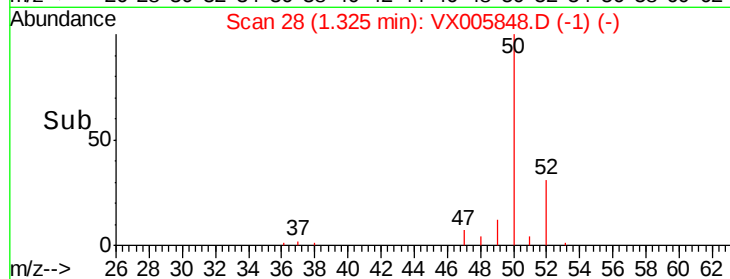
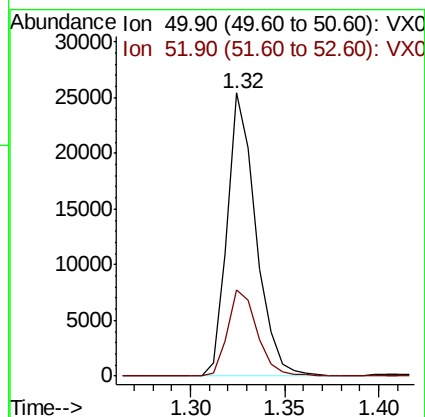
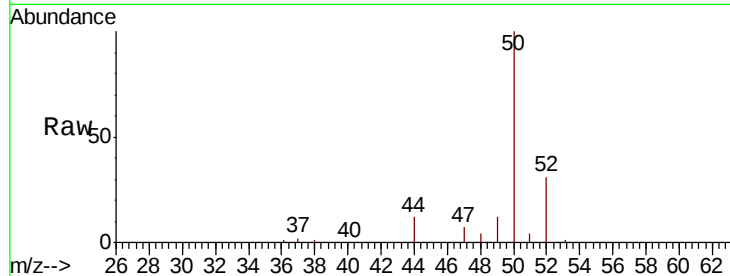
52 30.7 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.380 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005848.D

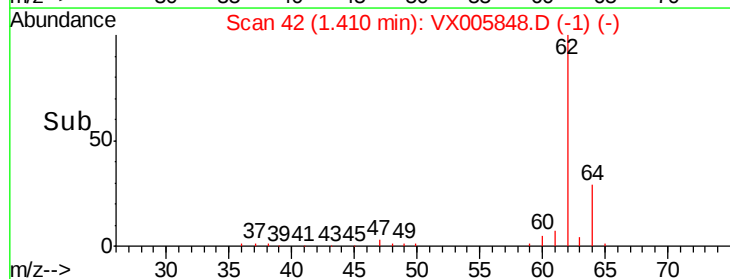
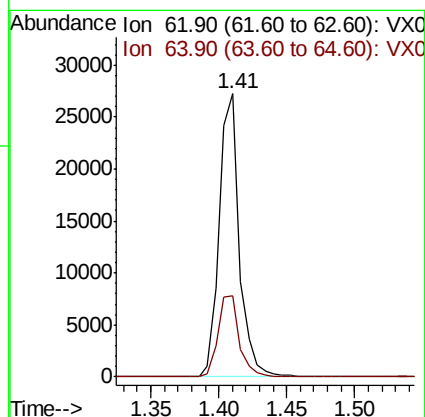
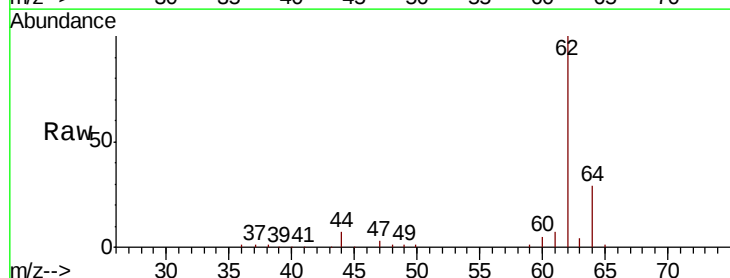
Acq: 08 Nov 2018 15:56

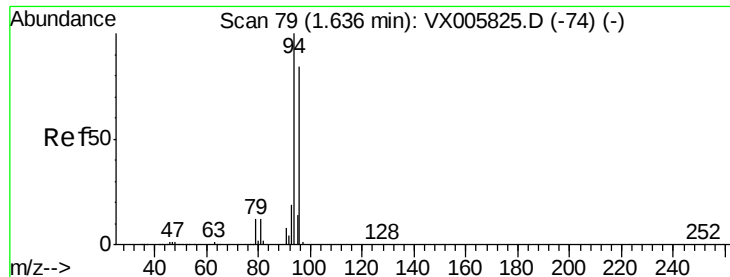
Tgt Ion: 62 Resp: 27933

Ion Ratio Lower Upper

62 100

64 28.7 25.3 37.9





#5

Bromomethane

Concen: 16.830 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

Instrument :

MSVOA_X

ClientSampleId :

VX1108WBSD02

Tot Ion: 94 Resp: 14116

Ion Ratio Lower Upper

94 100

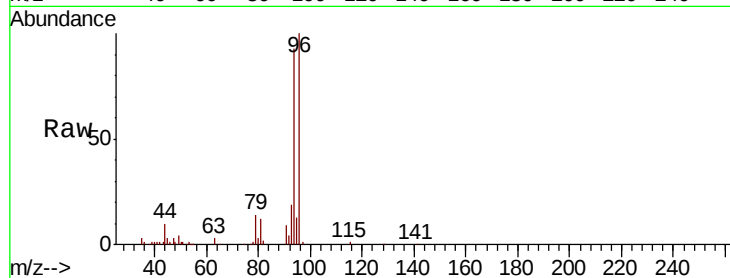
96 108.0 75.2 112.8

Manual Integrations

APPROVED

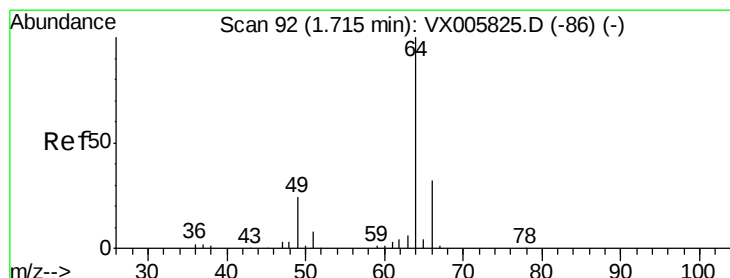
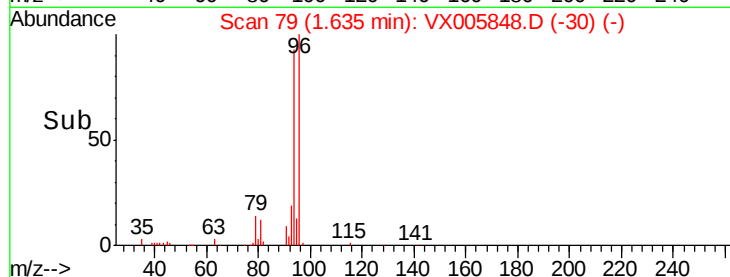
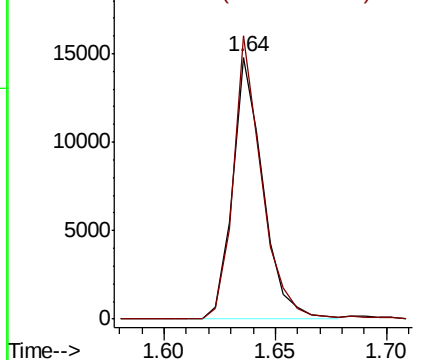
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.110 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005848.D

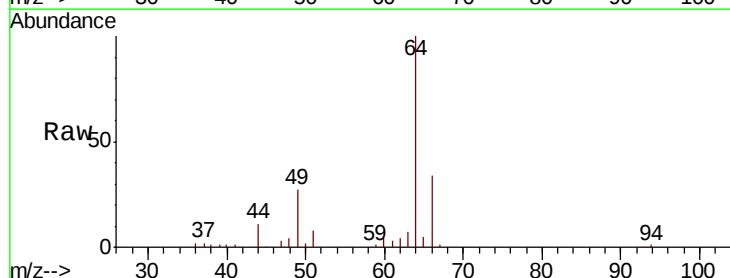
Acq: 08 Nov 2018 15:56

Tgt Ion: 64 Resp: 16446

Ion Ratio Lower Upper

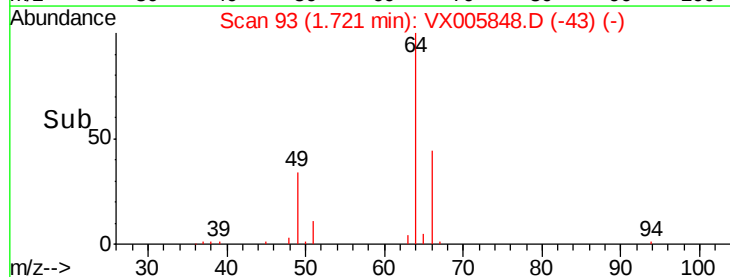
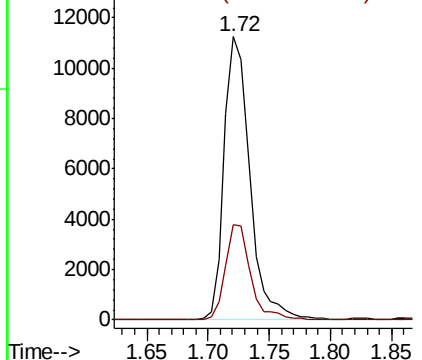
64 100

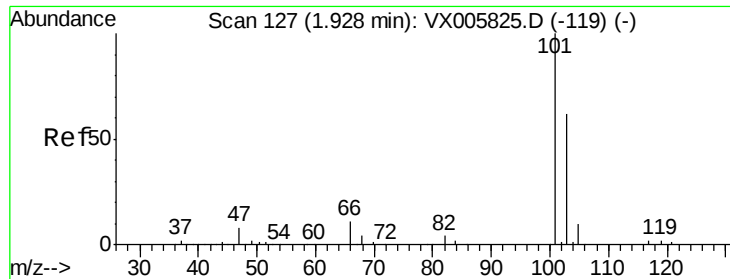
66 33.8 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

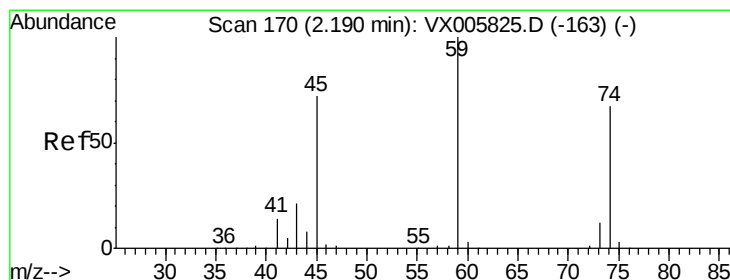
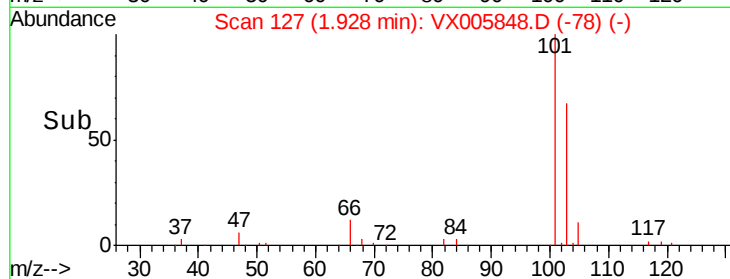
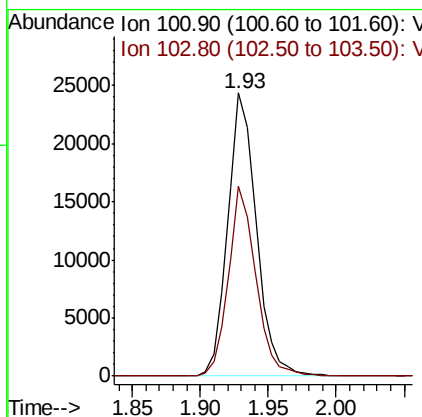
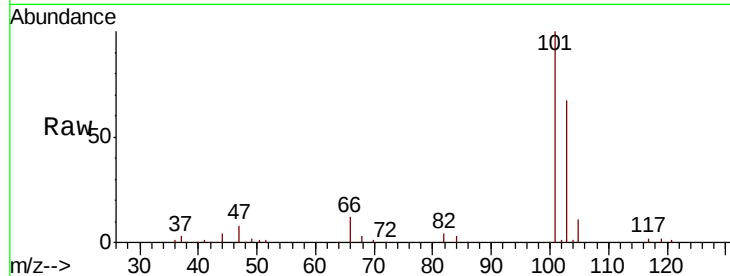
Trichlorofluoromethane
 Concen: 19.655 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX005848.D
 Acq: 08 Nov 2018 15:56

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 VX1108WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		35758		
103	67.1	50.0	75.0		

Manual Integrations
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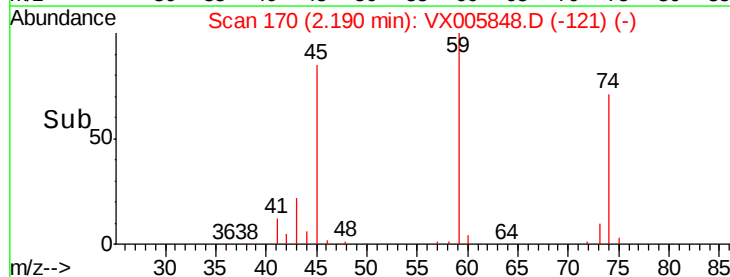
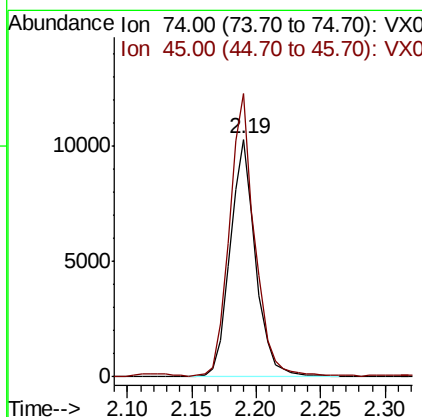
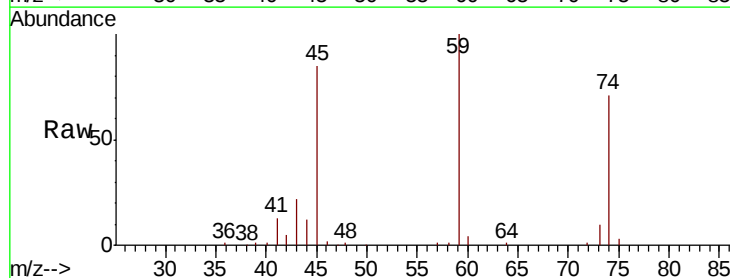
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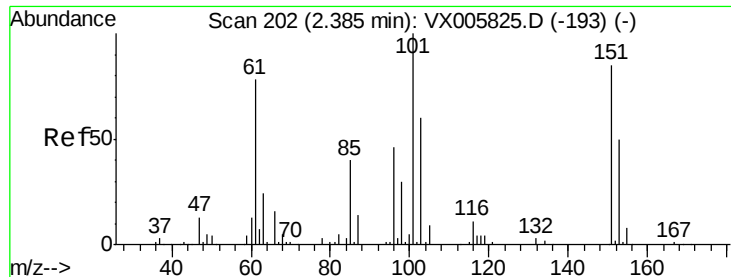


#8

Diethyl Ether
 Concen: 19.926 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005848.D
 Acq: 08 Nov 2018 15:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		14205		
45	118.9	54.1	162.3		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.548 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

Instrument :

MSVOA_X

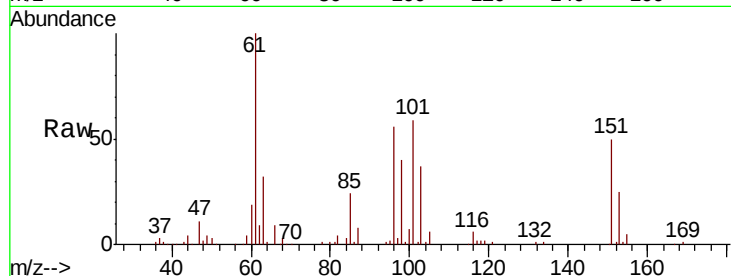
ClientSampleId :

VX1108WBSD02

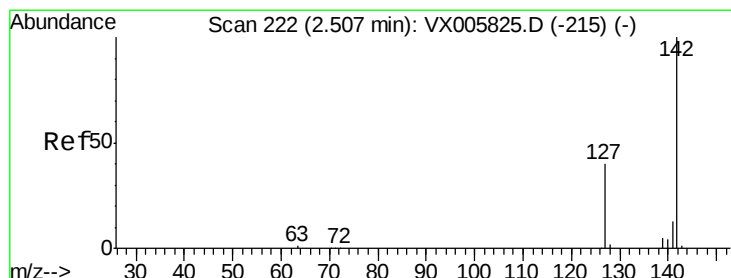
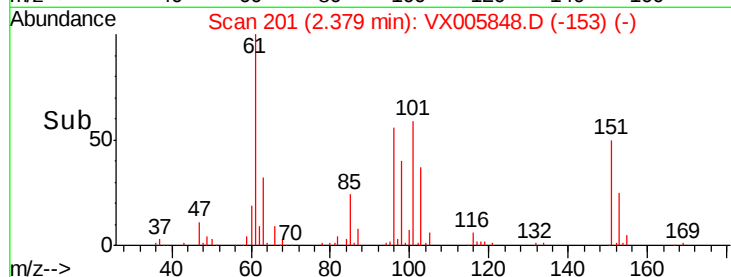
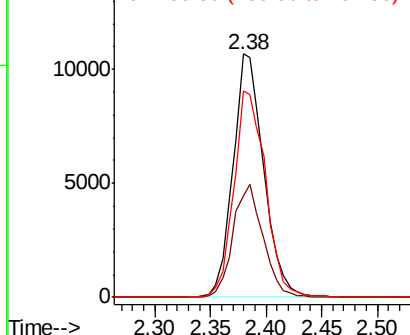
Tot Ion:	101	Resp:	20454
Ion Ratio	Lower	Upper	
101	100		
85	45.2	35.0	52.4
151	86.9	66.2	99.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.091 ug/l

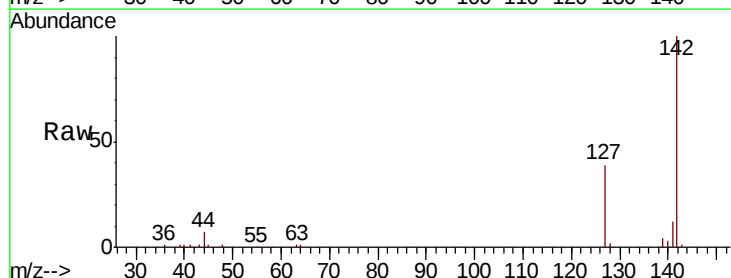
RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

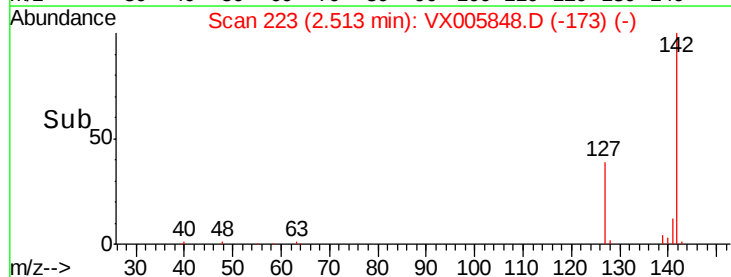
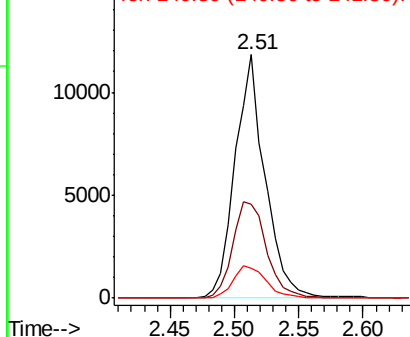
Lab File: VX005848.D

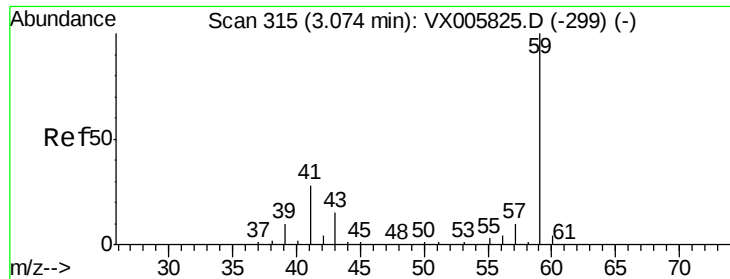
Acq: 08 Nov 2018 15:56

Tgt Ion:	142	Resp:	19137
Ion Ratio	Lower	Upper	
142	100		
127	44.5	36.0	54.0
141	14.5	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





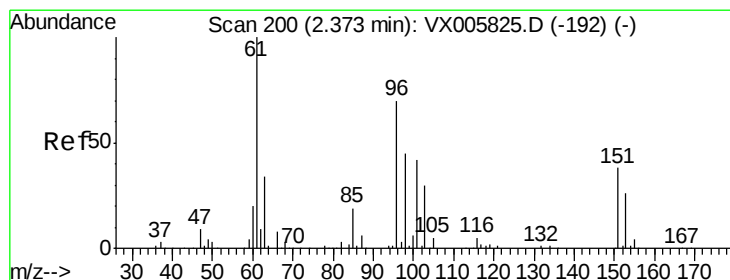
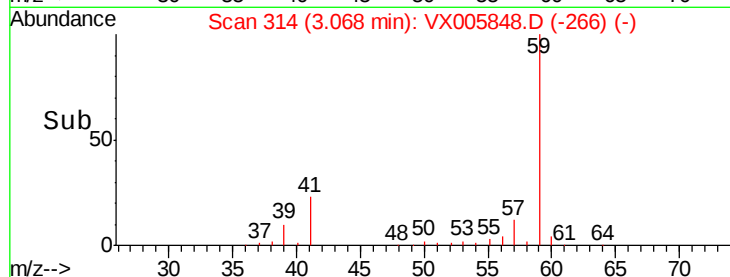
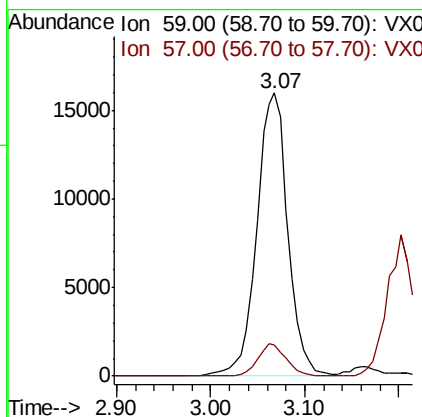
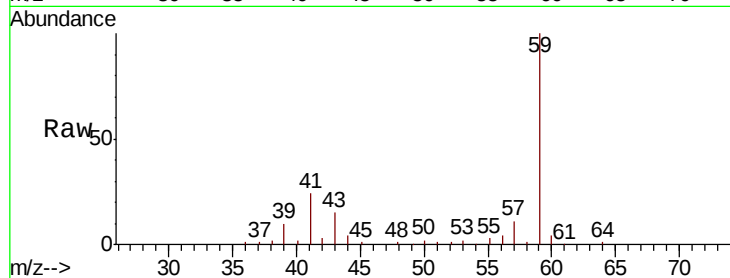
#11
Tert butyl alcohol
Concen: 97.230 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Instrument :
MSVOA_X
ClientSampled :
VX1108WBSD02

Tot Ion	59.00	Resp	36946
Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7

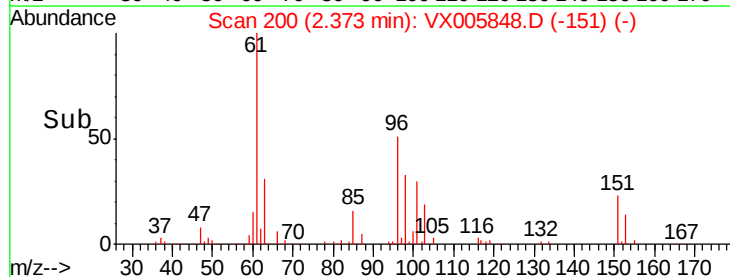
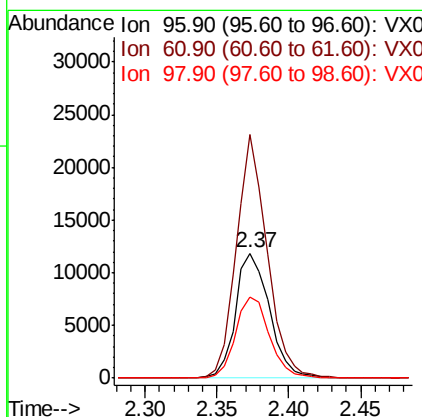
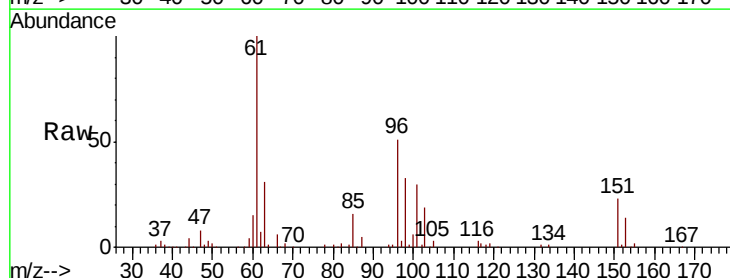
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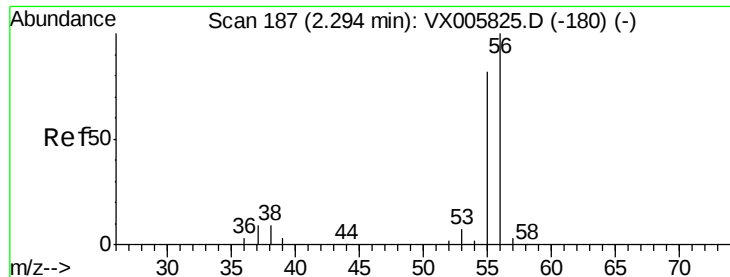
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.092 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Tgt Ion	96	Resp	19471
Ion	Ratio	Lower	Upper
96	100		
61	194.8	131.8	197.8
98	65.1	53.4	80.2





#13

Acrolein

Concen: 104.092 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

Instrument :

MSVOA_X

ClientSampleId :

VX1108WBSD02

Tot Ion: 56 Resp: 16665

Ion Ratio Lower Upper

56 100

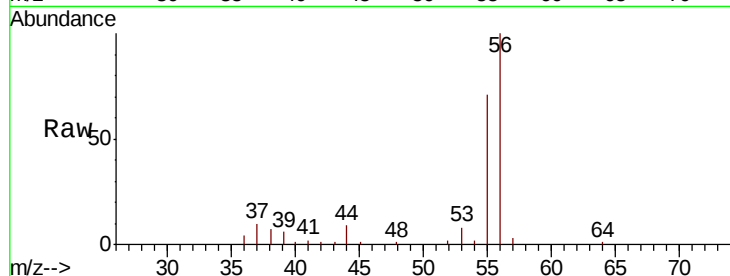
55 71.8 57.3 85.9

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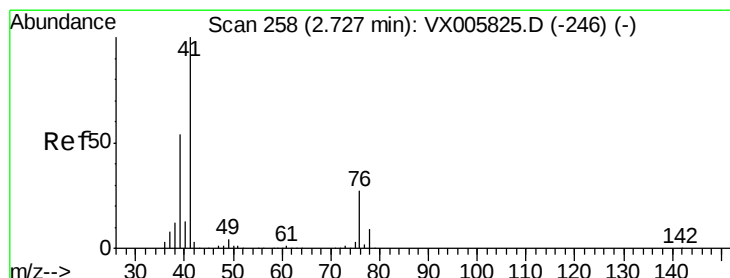
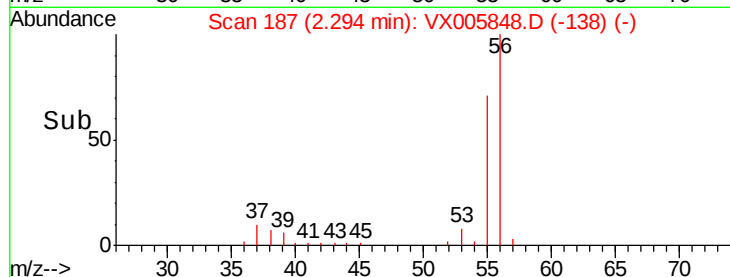
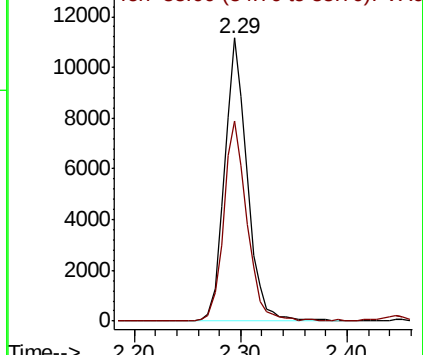
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.705 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

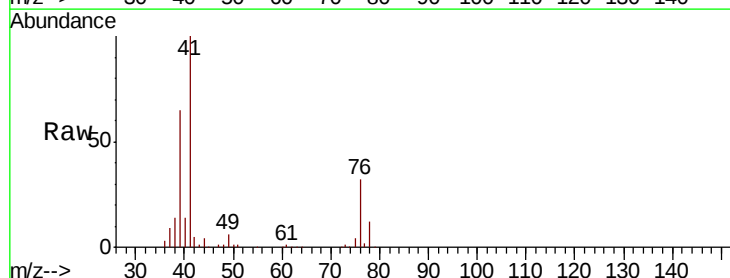
Tgt Ion: 41 Resp: 44882

Ion Ratio Lower Upper

41 100

39 59.3 48.2 72.4

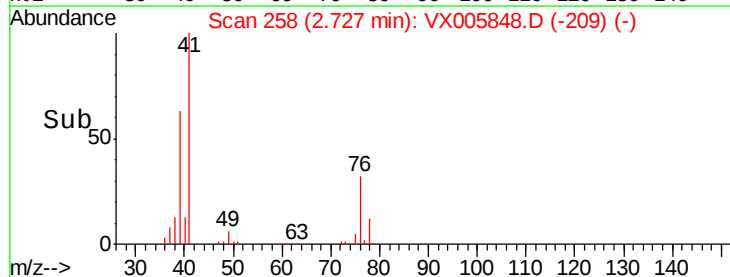
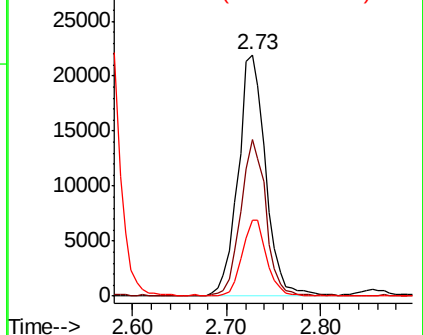
76 27.9 21.9 32.9

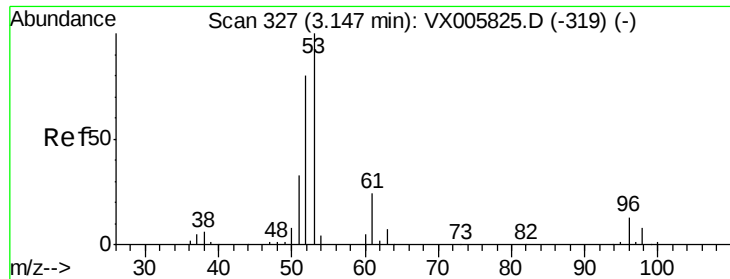


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 98.564 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

Instrument :

MSVOA_X

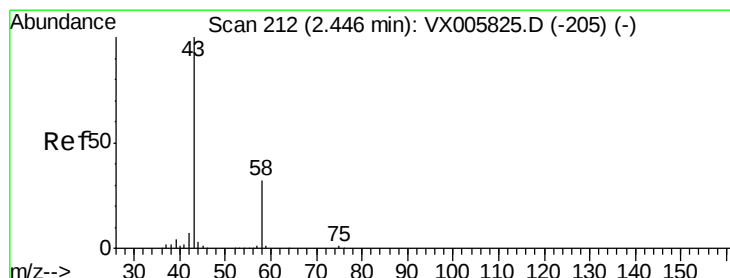
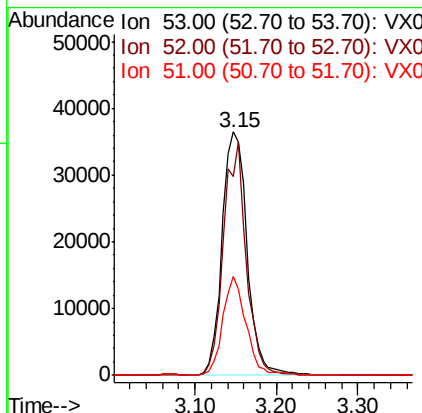
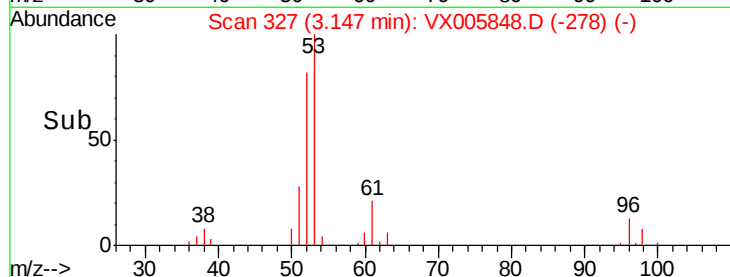
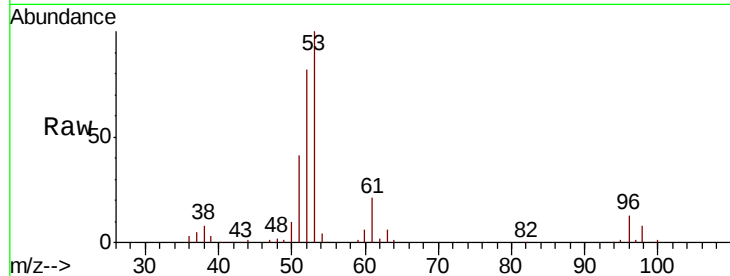
ClientSampleId :

VX1108WBSD02

Tot Ion:	53	Resp:	77617
Ion Ratio	Lower	Upper	
53	100		
52	86.8	66.6	99.8
51	38.0	28.4	42.6

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#16

Acetone

Concen: 103.046 ug/l

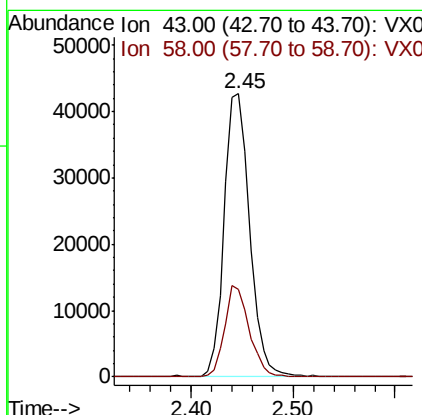
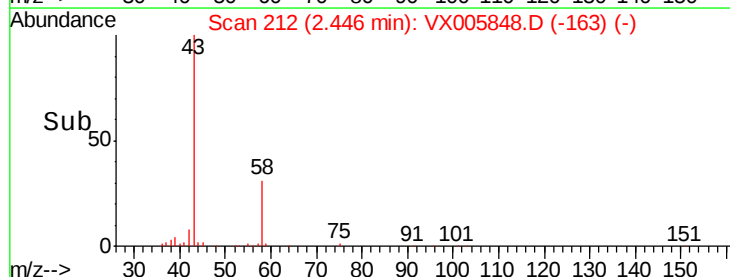
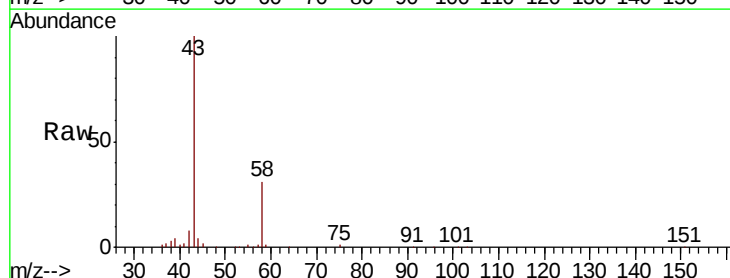
RT: 2.45 min Scan# 212

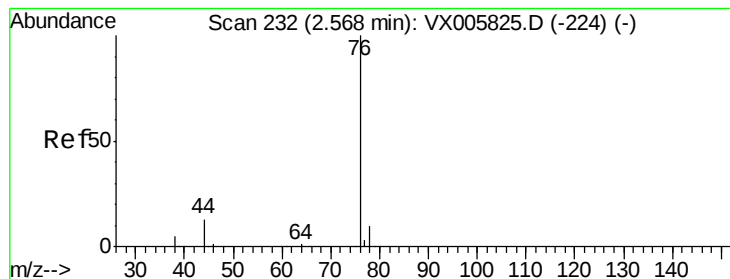
Delta R.T. -0.00 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

Tgt Ion:	43	Resp:	73596
Ion Ratio	Lower	Upper	
43	100		
58	30.9	23.8	35.6





#17

Carbon Disulfide

Concen: 19.010 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

Instrument :

MSVOA_X

ClientSampleId :

VX1108WBSD02

Tot Ion: 76 Resp: 57828

Ion Ratio Lower Upper

76 100

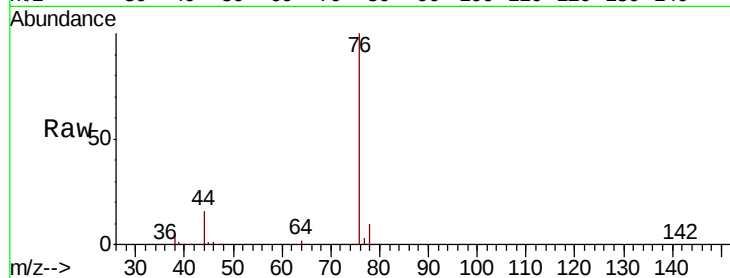
78 10.1 7.3 10.9

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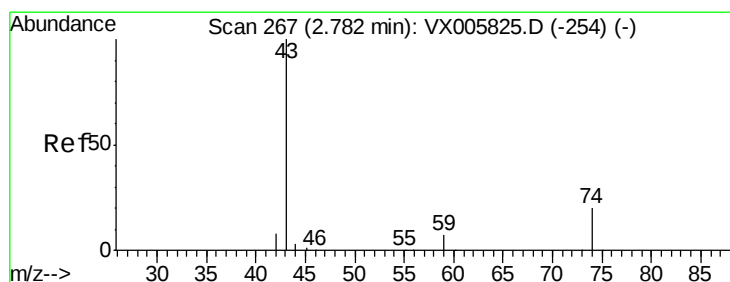
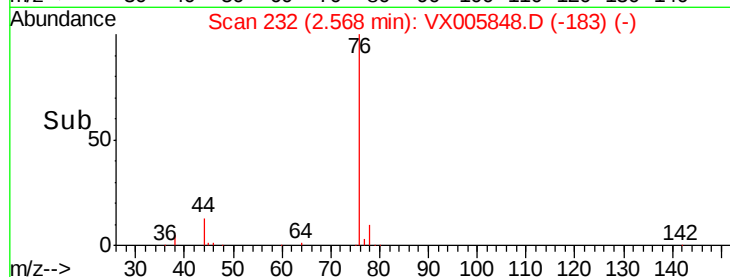
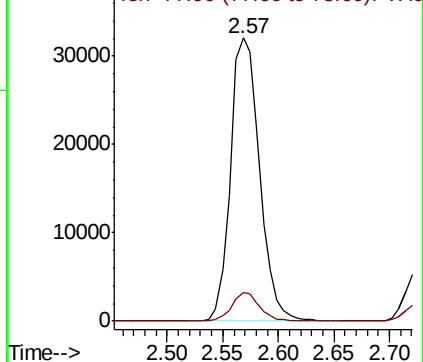
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 21.280 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005848.D

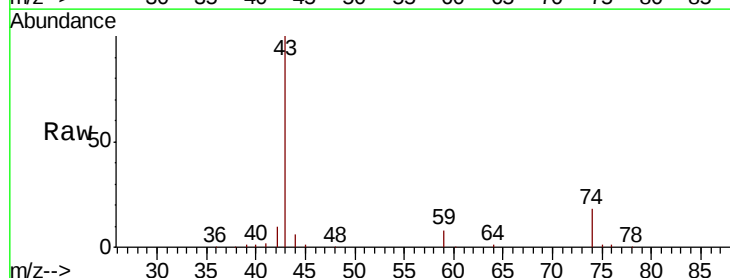
Acq: 08 Nov 2018 15:56

Tgt Ion: 43 Resp: 42360

Ion Ratio Lower Upper

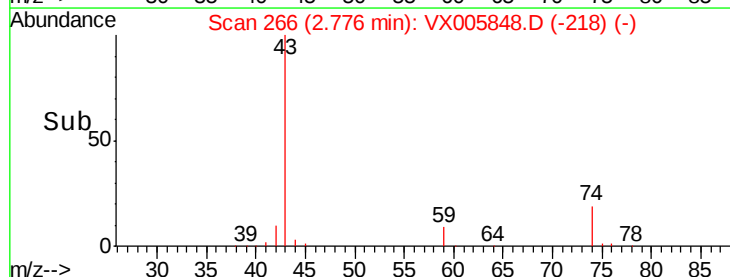
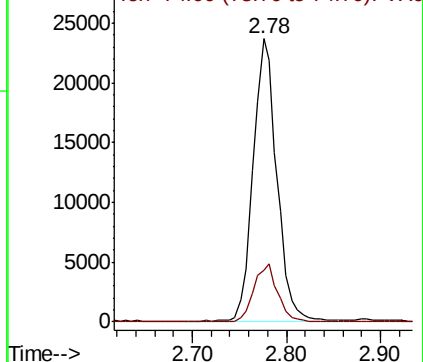
43 100

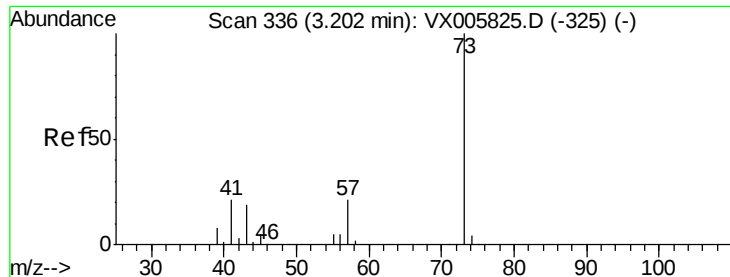
74 20.6 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





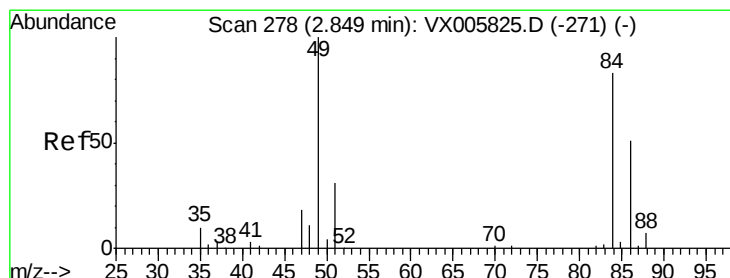
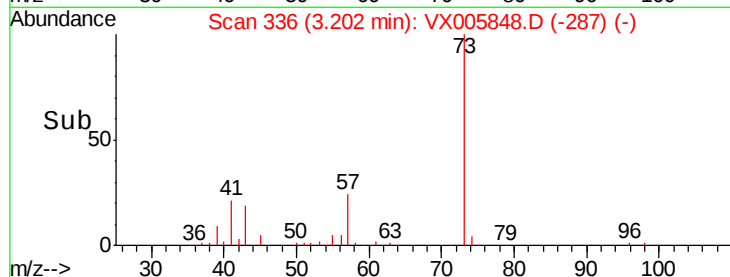
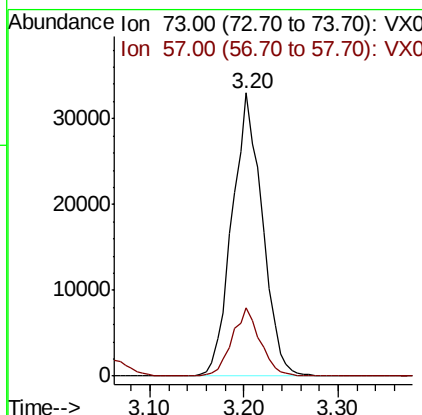
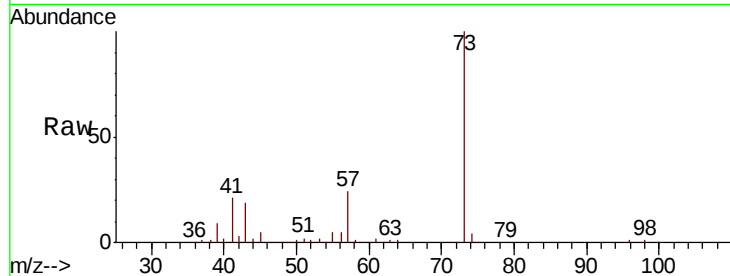
#19
Methyl tert-butyl Ether
Concen: 21.140 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBSD02

Tot Ion: 73 Resp: 73586
Ion Ratio Lower Upper
73 100
57 24.2 18.8 28.2

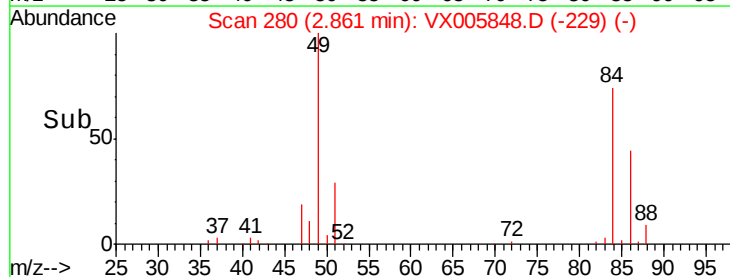
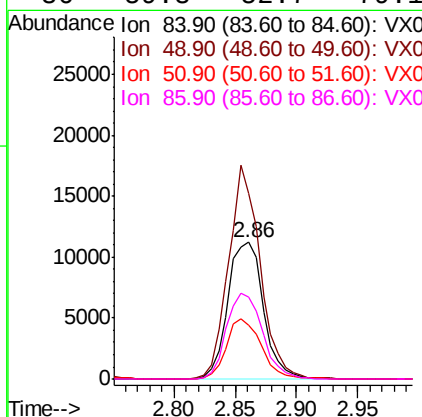
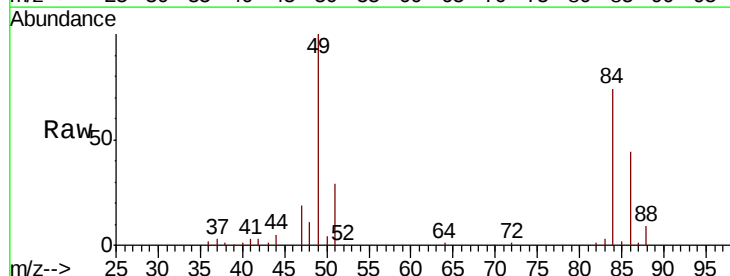
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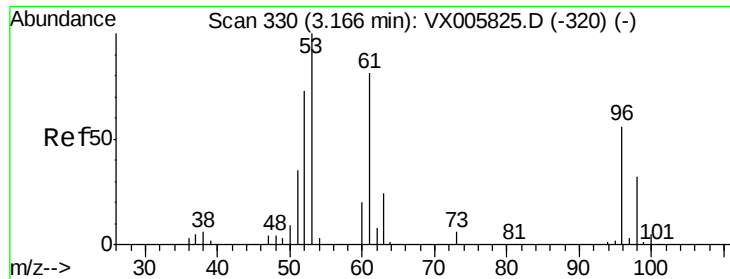
MMDadoda
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#20
Methylene Chloride
Concen: 19.254 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Tgt Ion: 84 Resp: 22588
Ion Ratio Lower Upper
84 100
49 136.0 109.5 164.3
51 39.4 33.3 49.9
86 59.8 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 19.366 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

Instrument :

MSVOA_X

ClientSampleId :

VX1108WBSD02

Tot Ion: 96 Resp: 20832

Ion Ratio Lower Upper

96 100

61 164.1 115.6 173.4

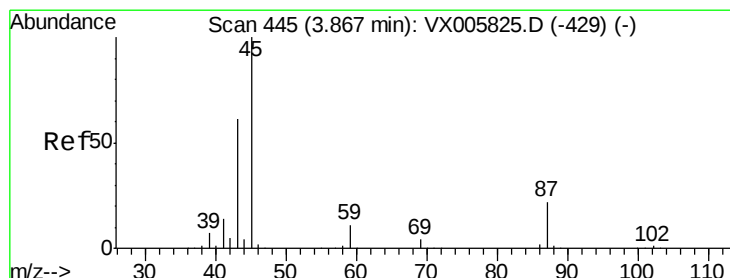
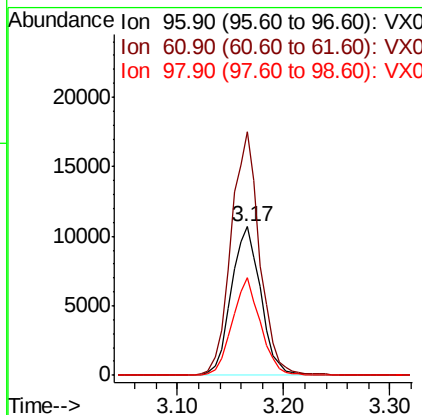
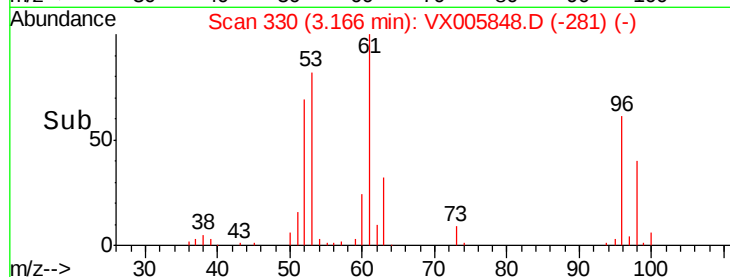
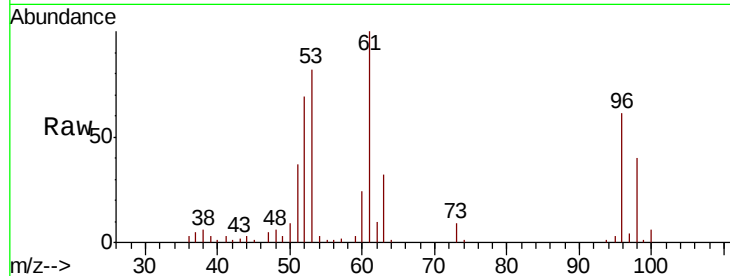
98 65.8 50.2 75.2

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#22

Diisopropyl ether

Concen: 19.809 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

Tgt Ion: 45 Resp: 79042

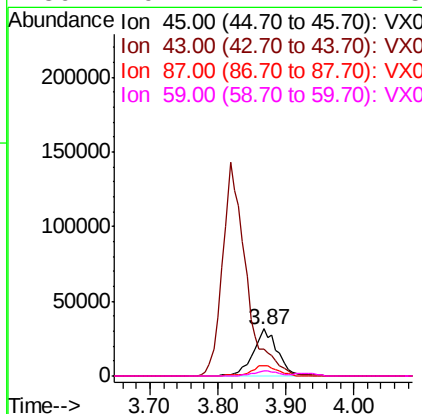
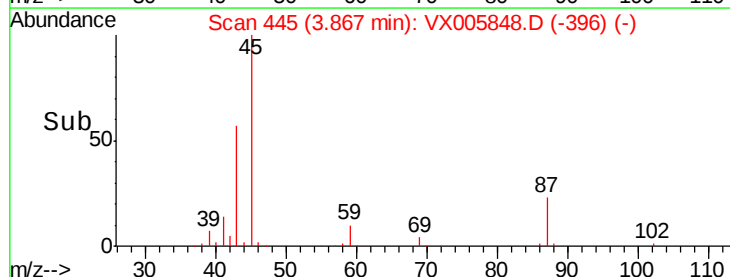
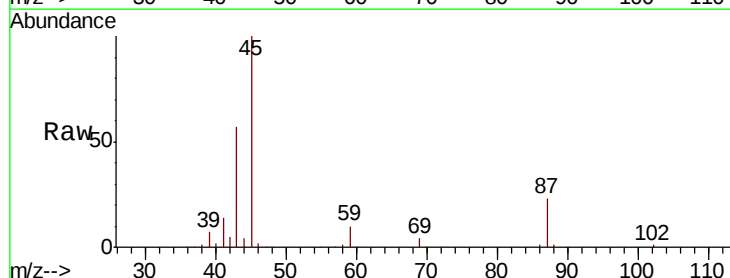
Ion Ratio Lower Upper

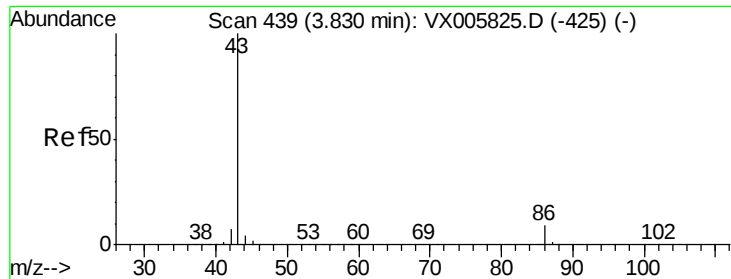
45 100

43 56.9 47.4 71.2

87 22.6 15.9 23.9

59 9.7 7.7 11.5





#23

Vinyl Acetate

Concen: 101.135 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

Instrument :

MSVOA_X

ClientSampleId :

VX1108WBSD02

Tot Ion: 43 Resp: 346000

Ion Ratio Lower Upper

43 100

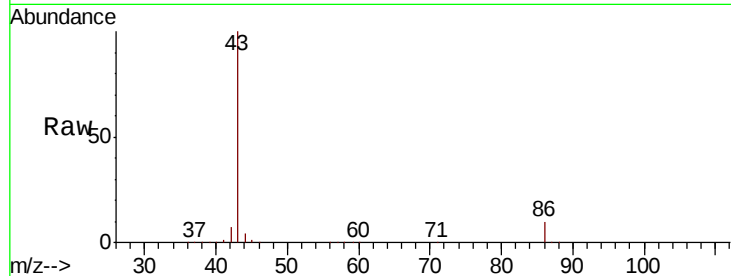
86 9.7 7.4 11.2

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

150000

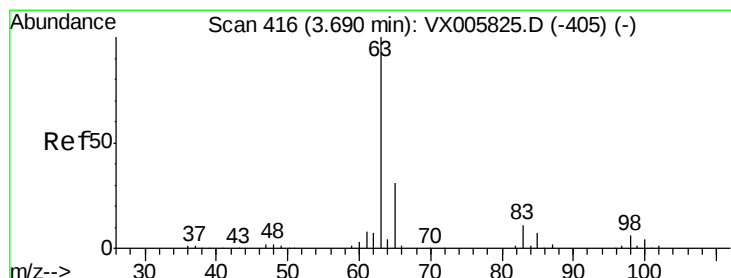
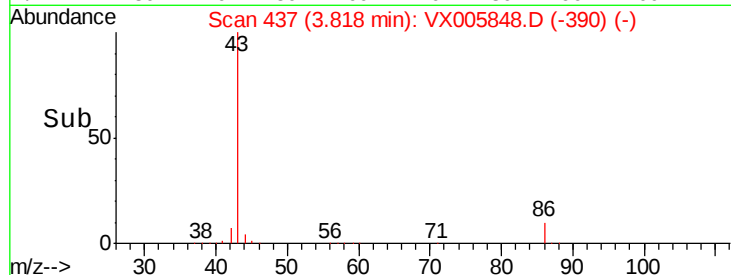
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 20.375 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

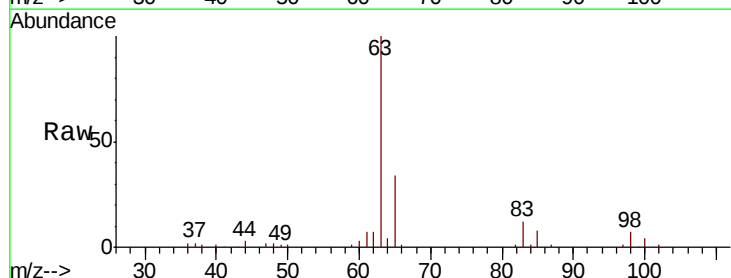
Tgt Ion: 63 Resp: 43375

Ion Ratio Lower Upper

63 100

98 7.3 3.2 9.6

100 3.5 2.1 6.2



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

25000

20000

15000

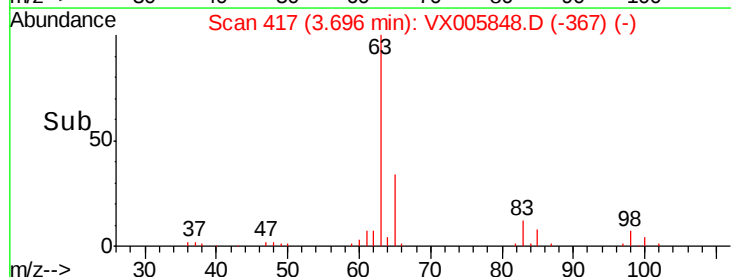
10000

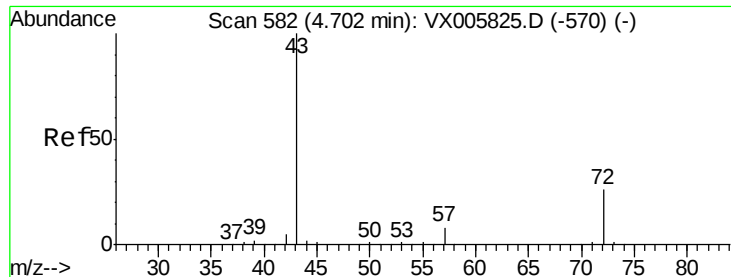
5000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 101.418 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

Instrument :

MSVOA_X

ClientSampleId :

VX1108WBSD02

Tot Ion: 43 Resp: 113876

Ion Ratio Lower Upper

43 100

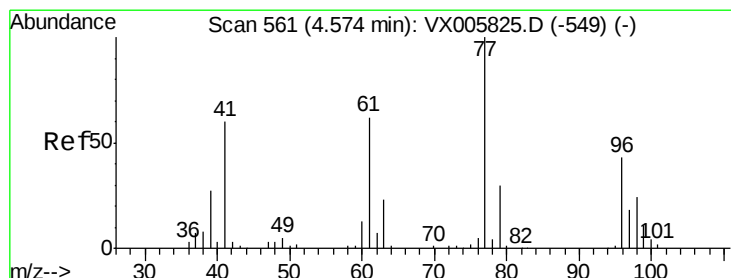
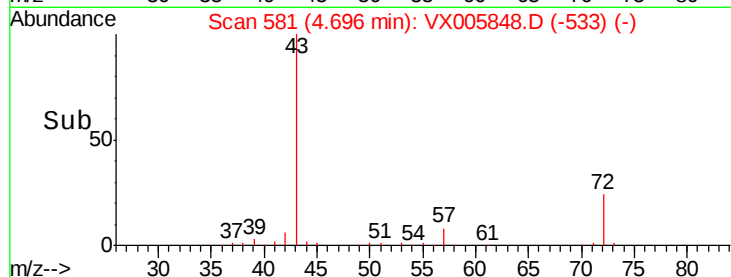
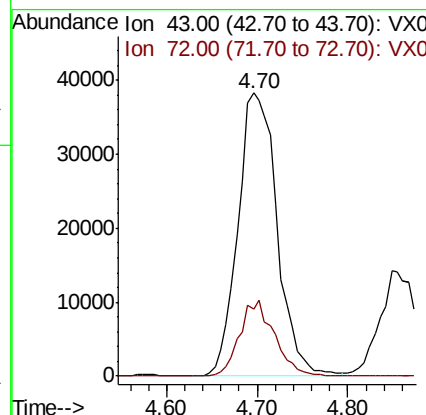
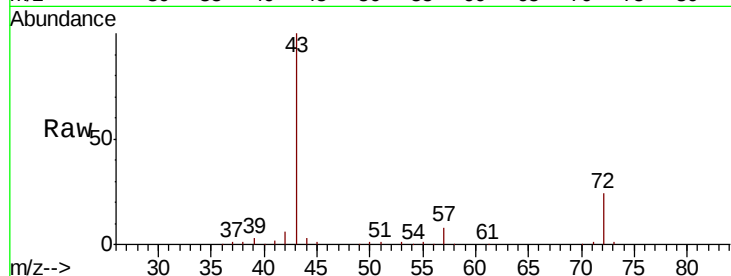
72 23.8 19.2 28.8

Manual Integrations

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MMDadoda

11/9/2018 11:37:19 AM



#26

2,2-Dichloropropane

Concen: 20.430 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005848.D

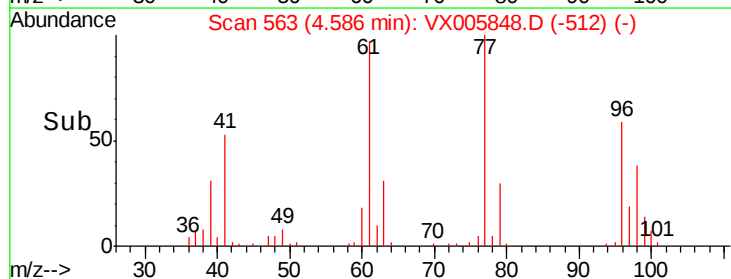
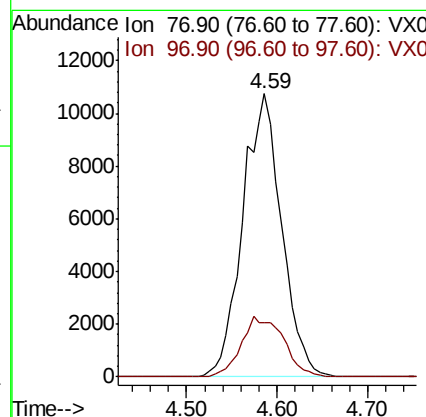
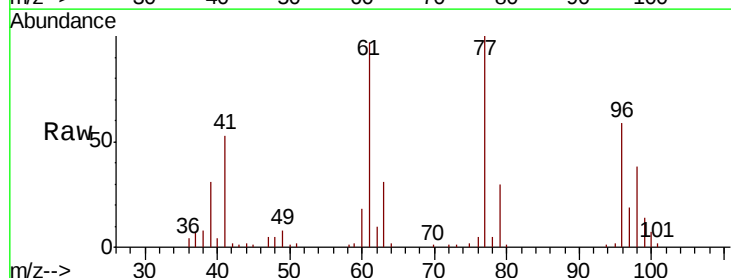
Acq: 08 Nov 2018 15:56

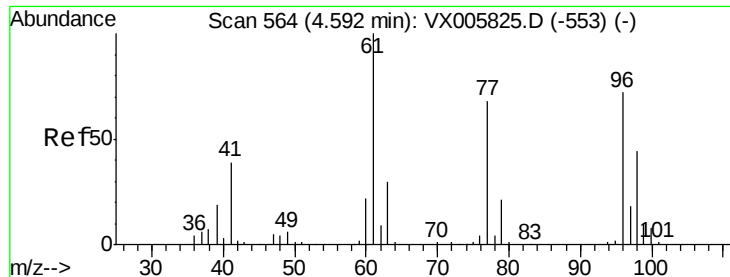
Tgt Ion: 77 Resp: 31903

Ion Ratio Lower Upper

77 100

97 23.0 11.5 34.5





#27

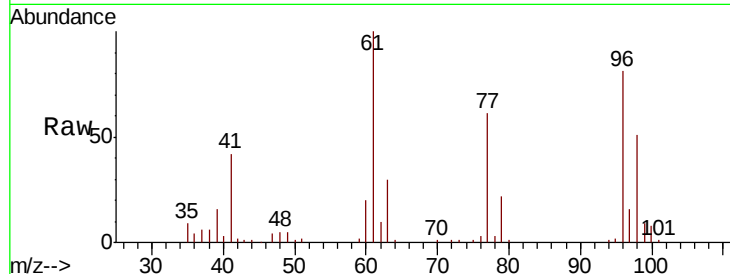
cis-1,2-Dichloroethene
Concen: 19.842 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	23568		
61	156.3	0.0	304.6	
98	64.4	0.0	127.4	

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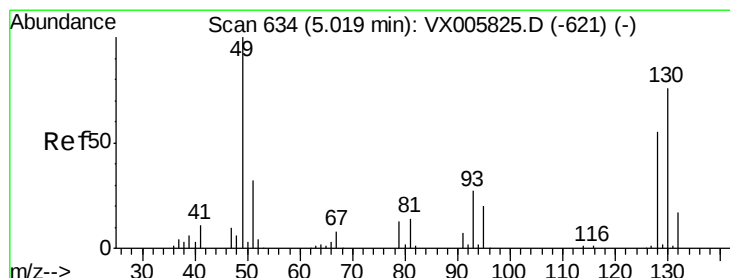
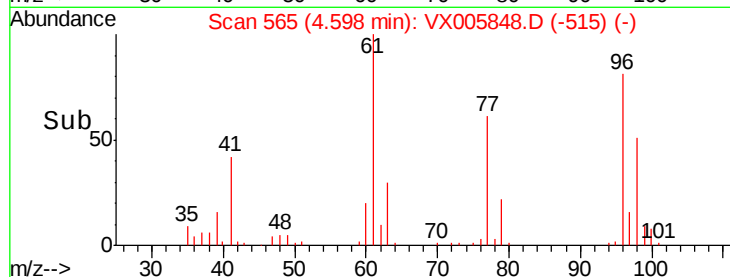
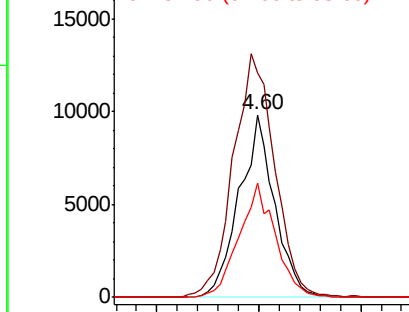


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

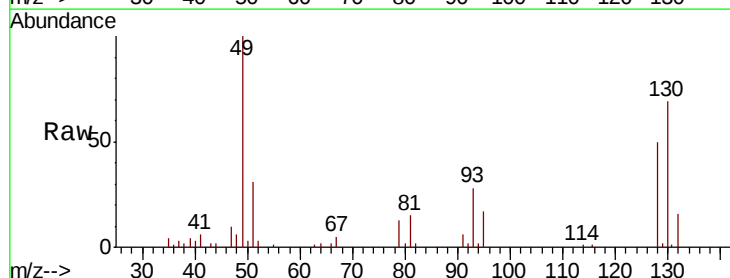
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 23.044 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	21924		
129	1.4	0.0	4.0	
130	74.2	58.9	88.3	

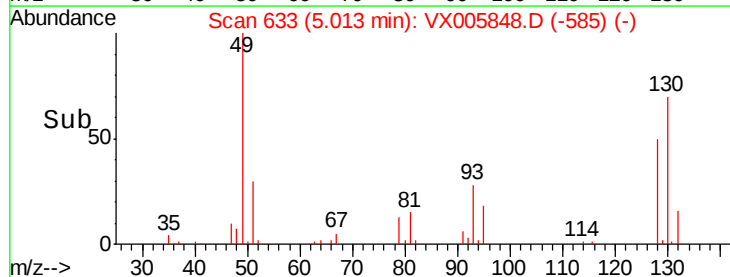
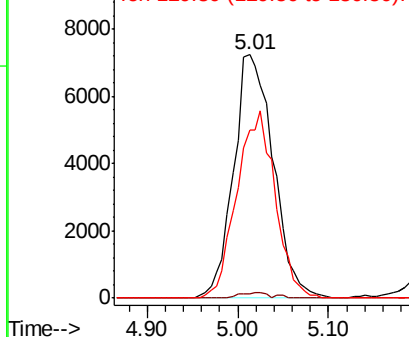


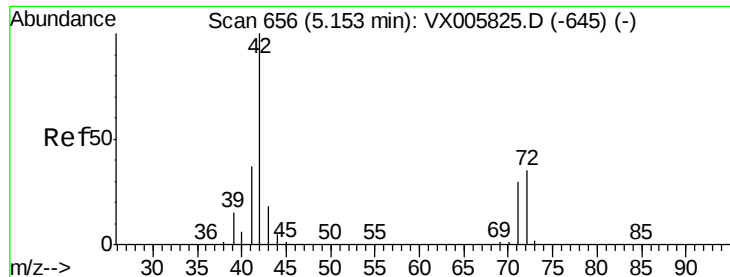
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





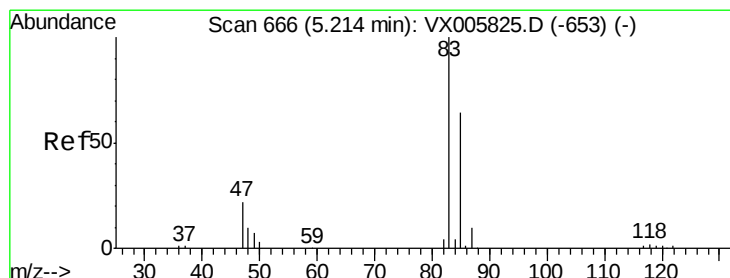
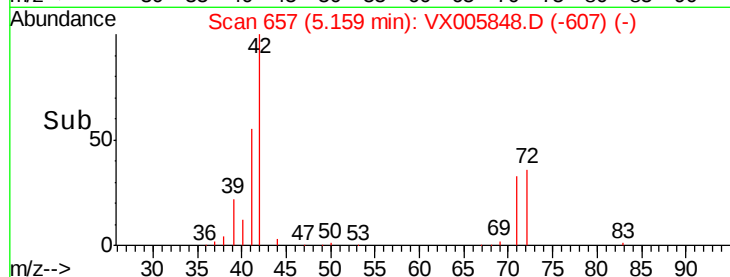
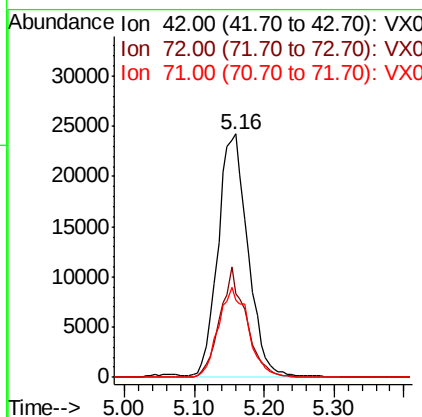
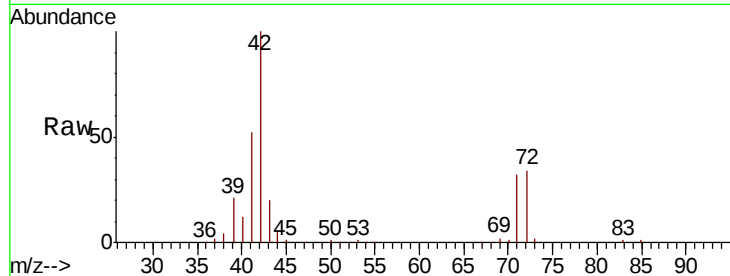
#29
Tetrahydrofuran
Concen: 100.598 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	32.0	48.0
71	36.7	29.8	44.8

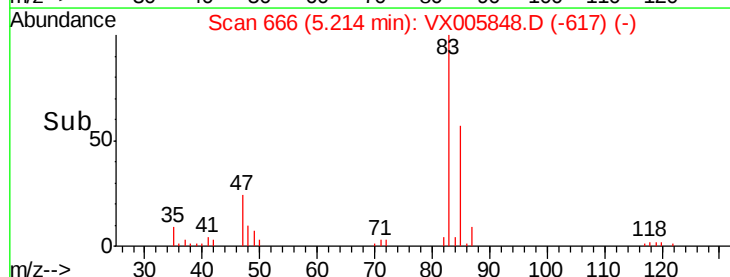
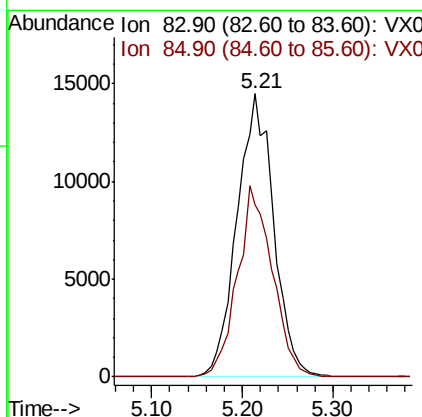
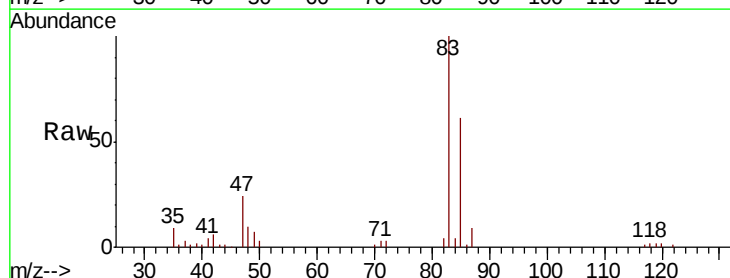
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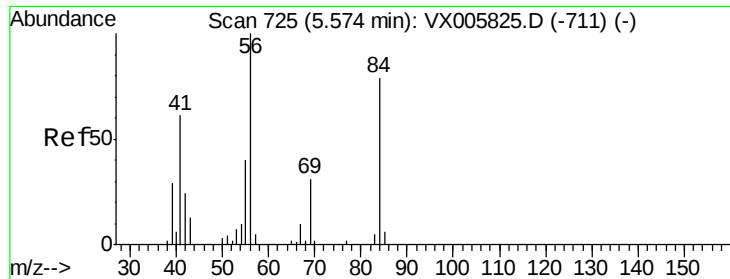
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#30
Chloroform
Concen: 19.813 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.9	50.6	76.0





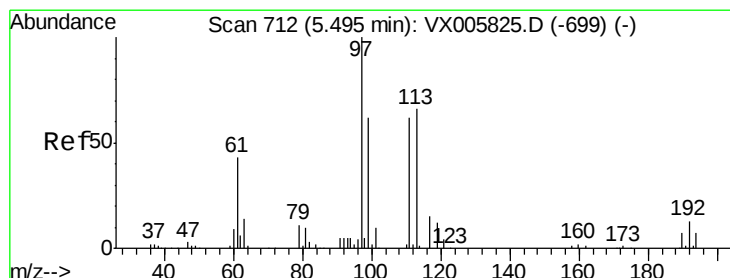
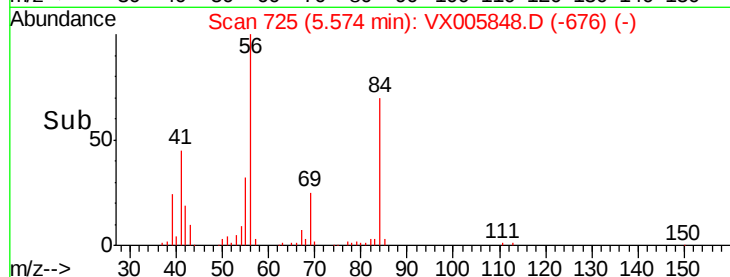
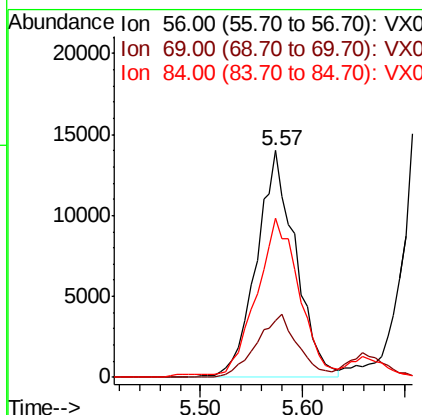
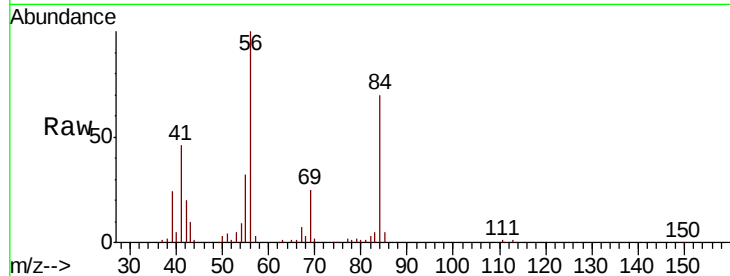
#31
Cyclohexane
Concen: 20.105 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	25.2	22.6	34.0
84	68.7	62.7	94.1

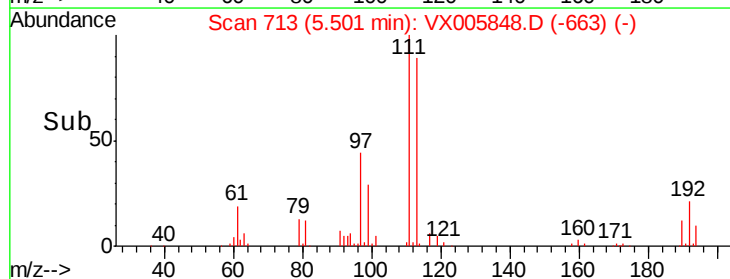
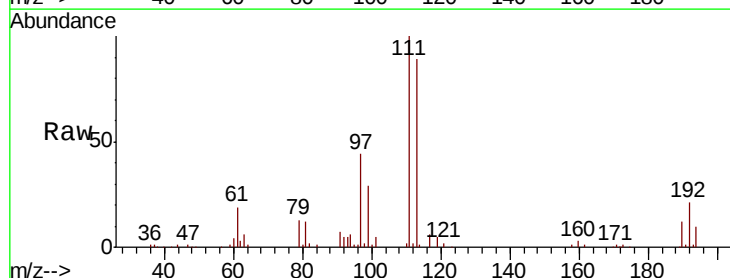
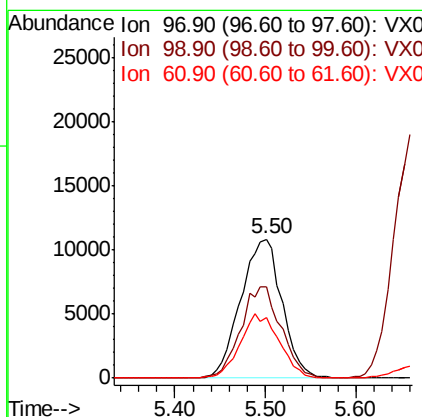
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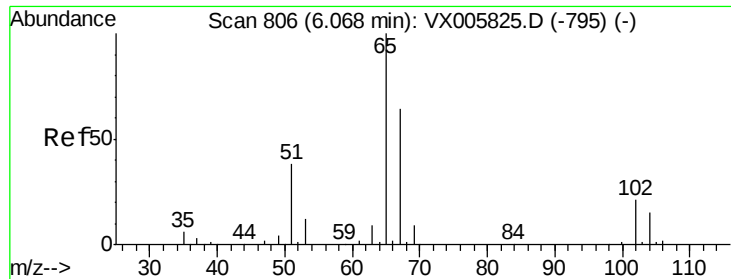
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#32
1,1,1-Trichloroethane
Concen: 19.936 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.3	78.5
61	44.0	35.2	52.8





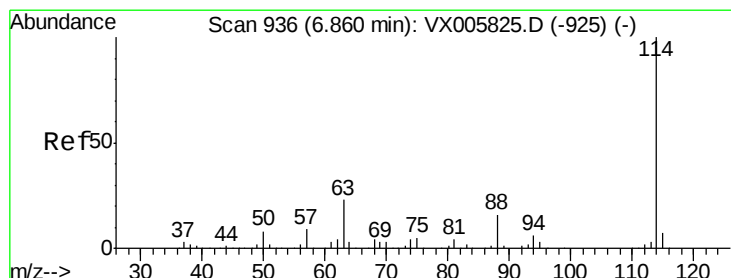
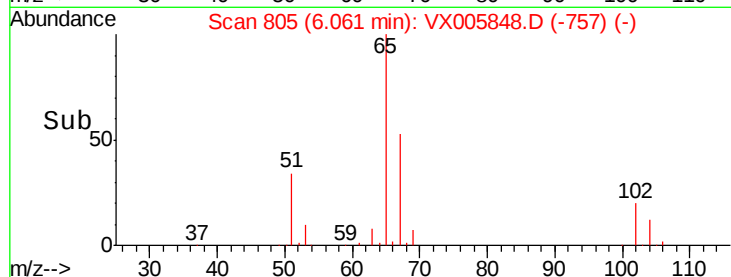
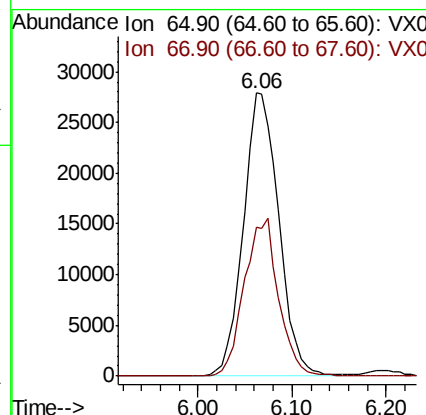
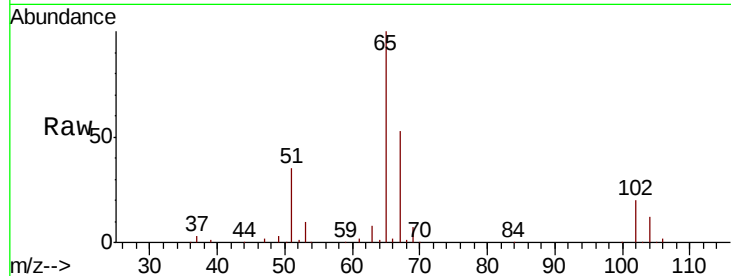
#33
 1,2-Dichloroethane-d4
 Concen: 55.258 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005848.D
 Acq: 08 Nov 2018 15:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108WBSD02

Tot Ion: 65 Resp: 73298
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 105.0

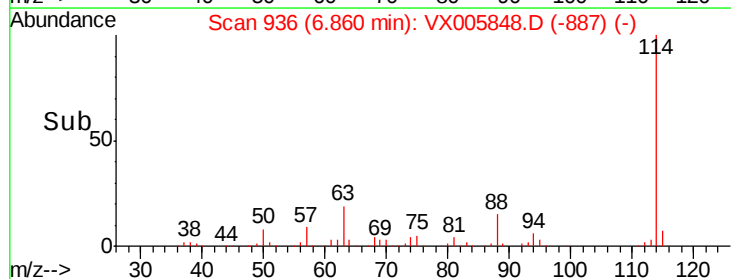
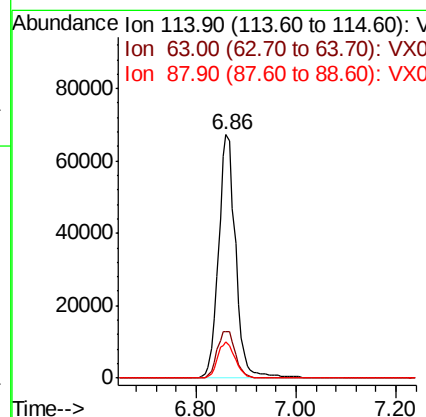
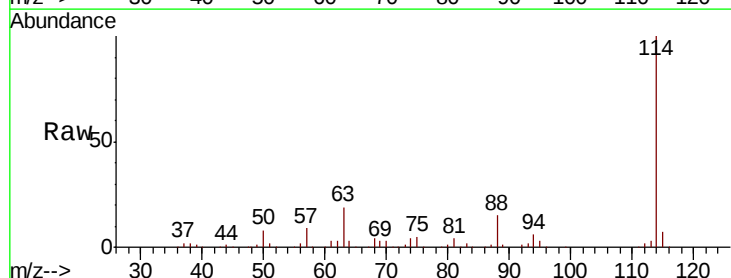
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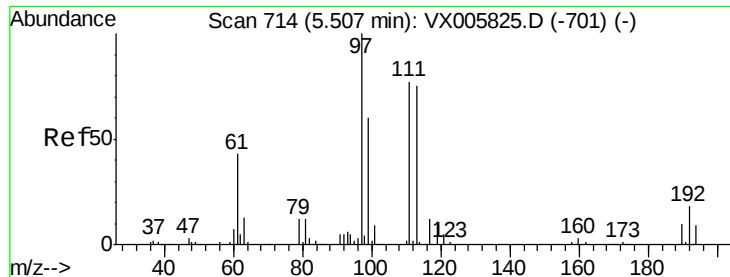
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005848.D
 Acq: 08 Nov 2018 15:56

Tgt Ion: 114 Resp: 160261
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 42.8
 88 14.7 0.0 31.2





#35

Dibromofluoromethane

Concen: 53.052 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

Instrument :

MSVOA_X

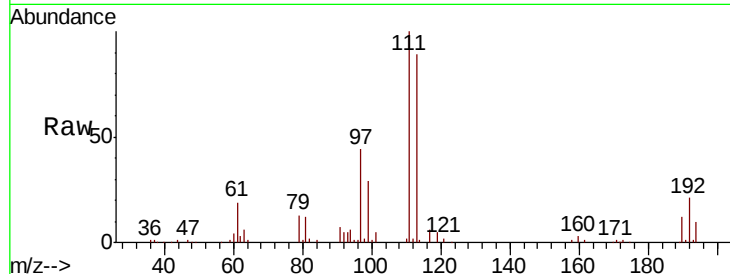
ClientSampleId :

VX1108WBSD02

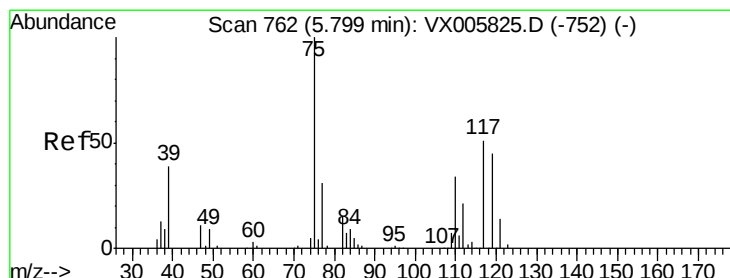
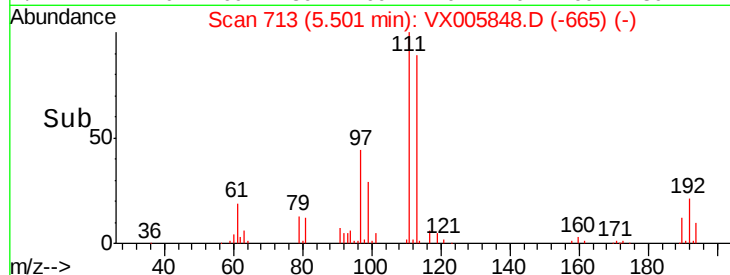
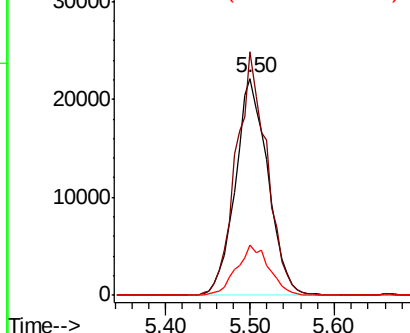
Tot Ion:	113	Resp:	57828
Ion Ratio	Lower	Upper	
113	100		
111	106.2	82.3	123.5
192	23.1	17.9	26.9

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.684 ug/l

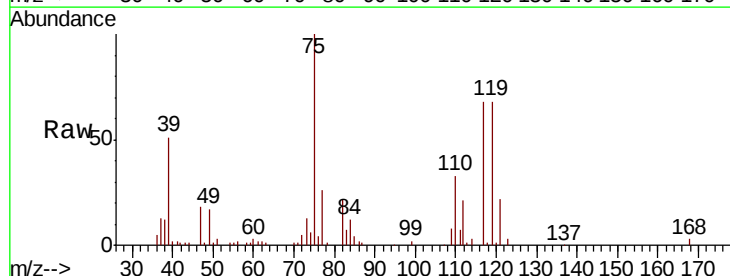
RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

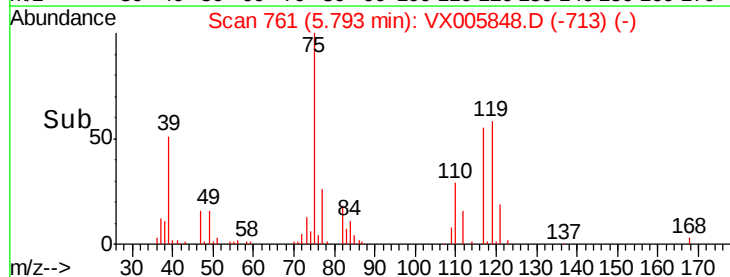
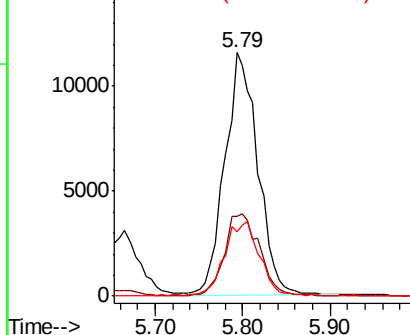
Lab File: VX005848.D

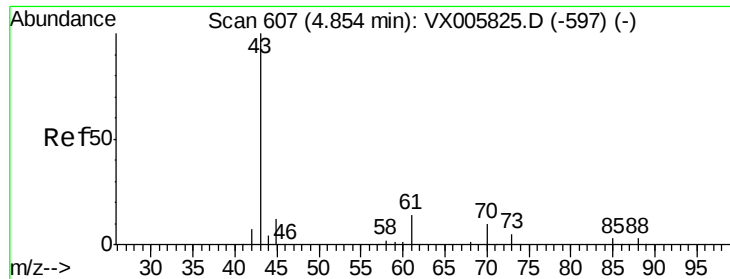
Acq: 08 Nov 2018 15:56

Tgt Ion:	75	Resp:	30411
Ion Ratio	Lower	Upper	
75	100		
110	36.1	17.4	52.2
77	32.2	25.8	38.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





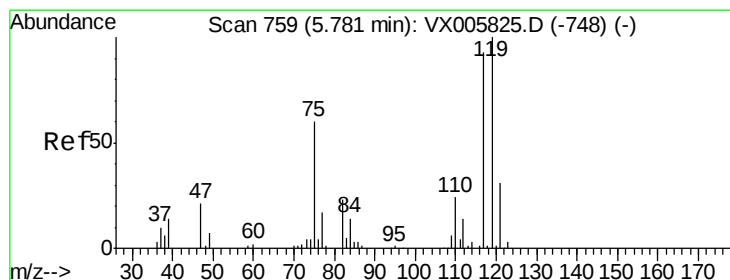
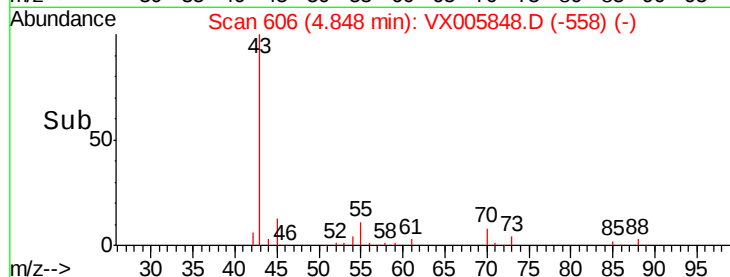
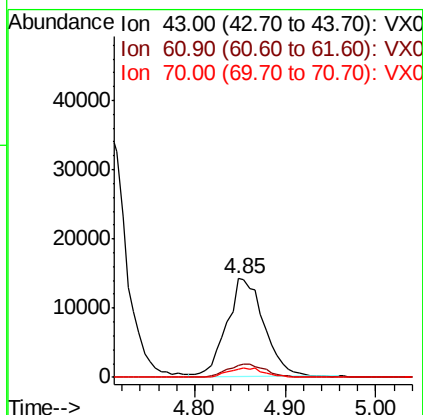
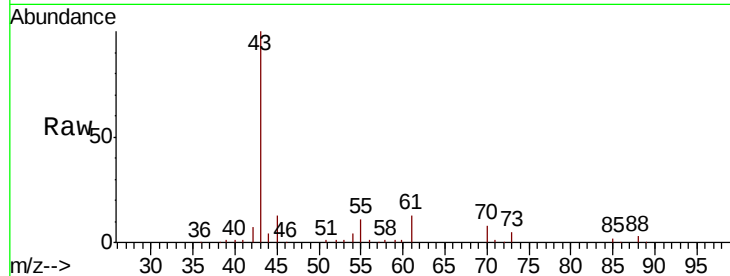
#37
Ethyl Acetate
Concen: 20.036 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Instrument :
MSVOA_X
ClientSampled :
VX1108WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.8	16.2
70	9.3	7.8	11.8

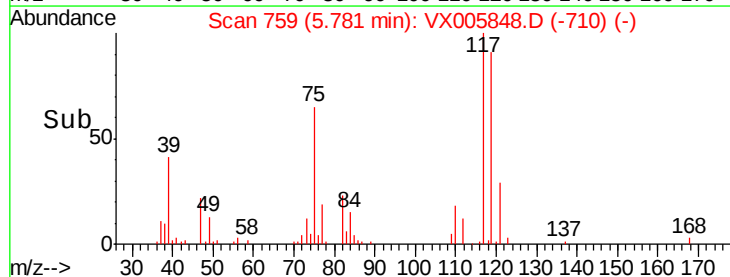
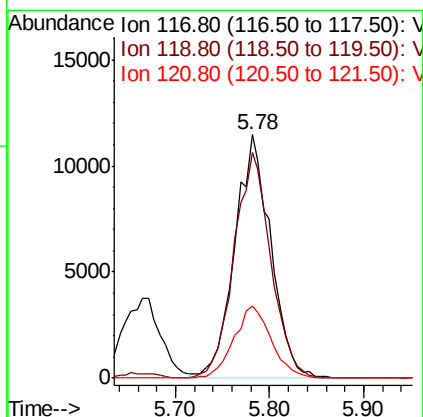
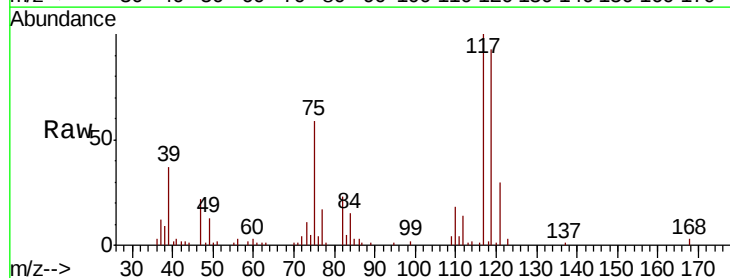
Manual Integrations
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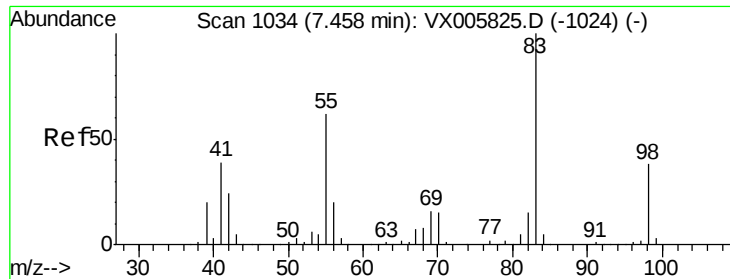
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#38
Carbon Tetrachloride
Concen: 19.859 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.7	78.1	117.1
121	29.9	24.6	36.8





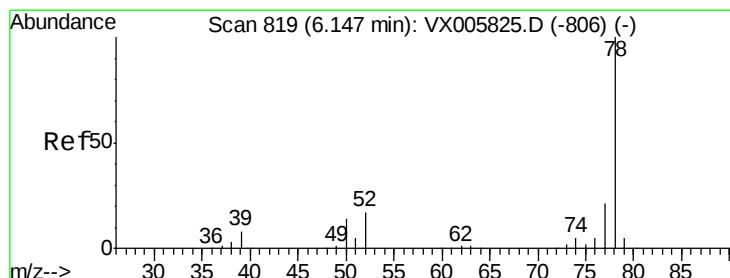
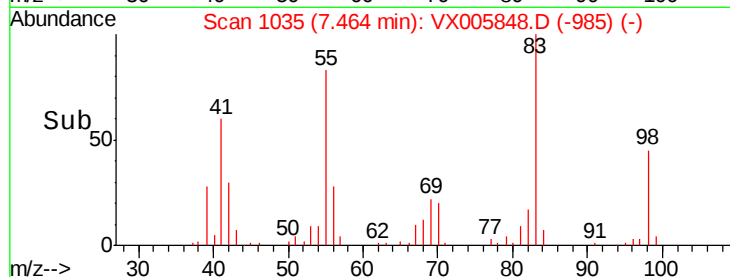
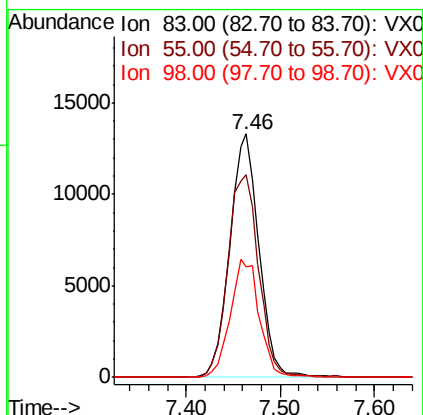
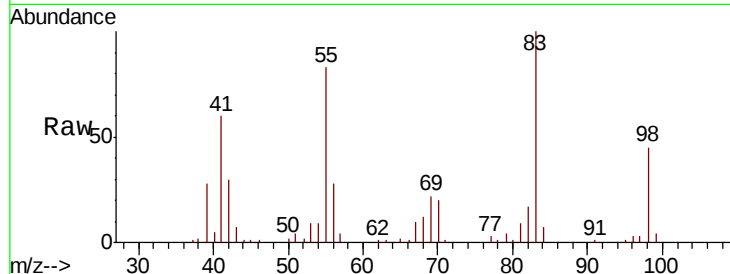
#39
Methvlcvclohexane
Concen: 18.242 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.4	63.7	95.5
98	45.4	36.2	54.2

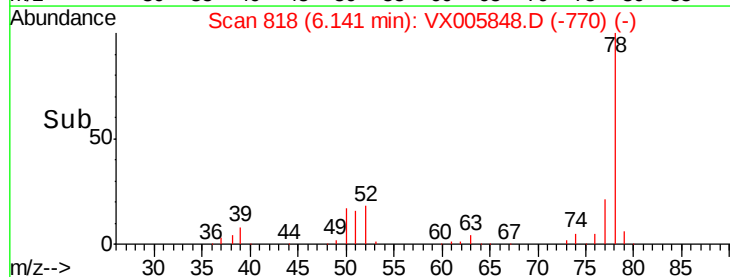
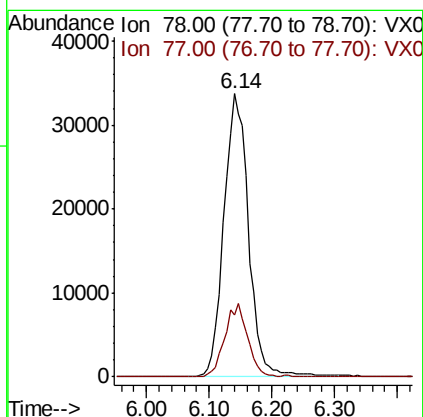
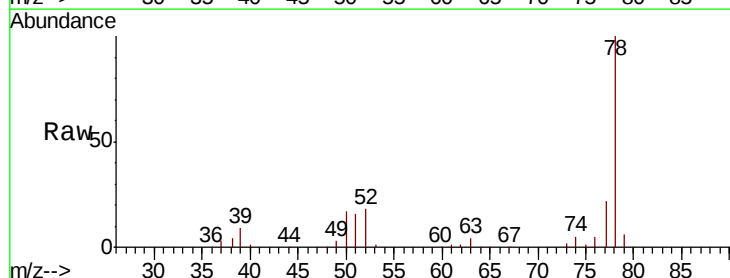
Manual Integrations
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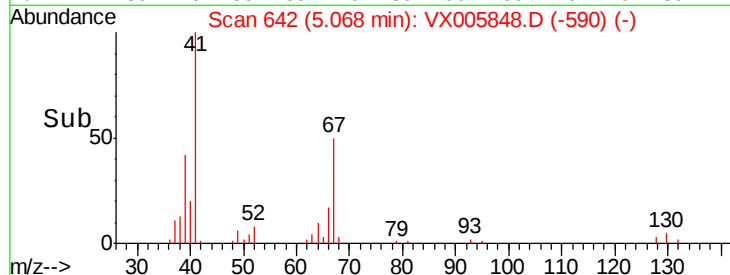
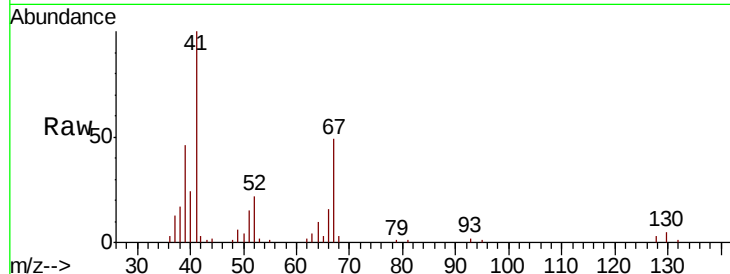
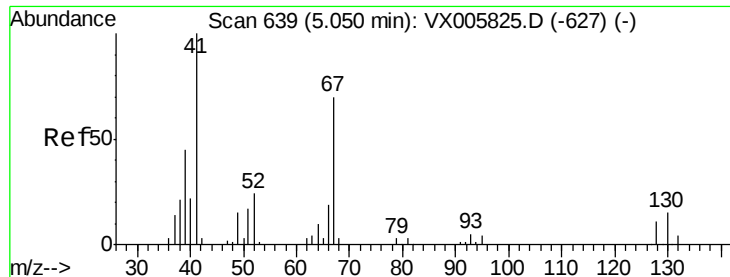
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#40
Benzene
Concen: 20.443 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.9	18.4	27.6





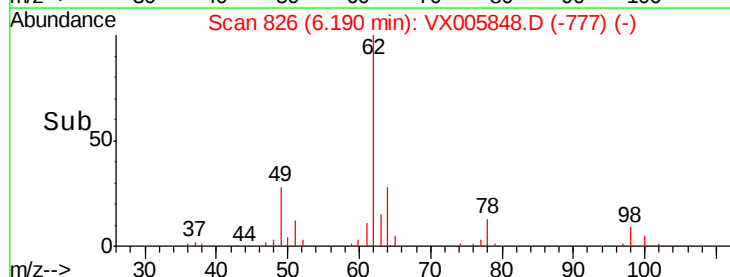
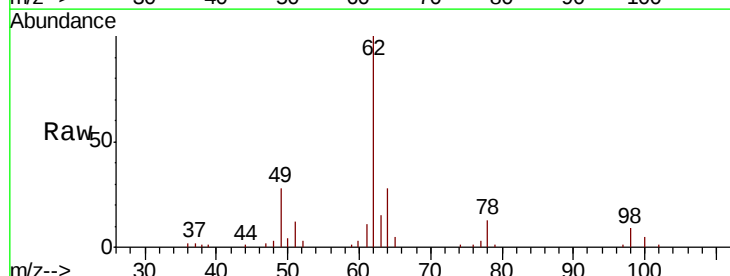
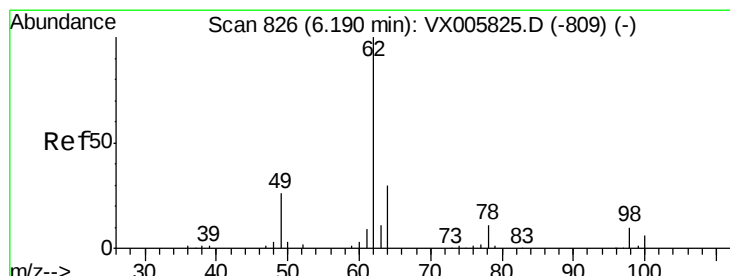
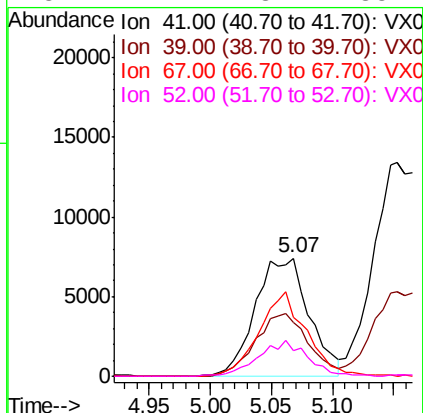
#41
Methacrylonitrile
Concen: 20.671 ug/l
RT: 5.07 min Scan# 642
Delta R.T. 0.02 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.0	42.2	63.2	
67	63.0	53.4	80.0	
52	27.7	23.4	35.2	

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBSD02

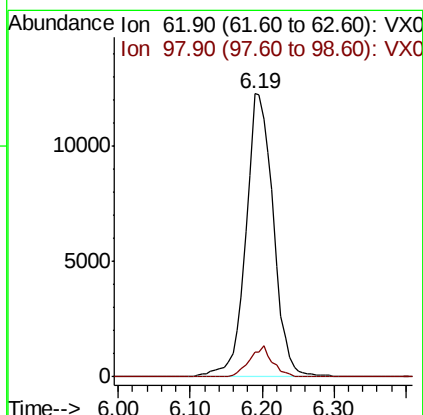
Manual Integrations
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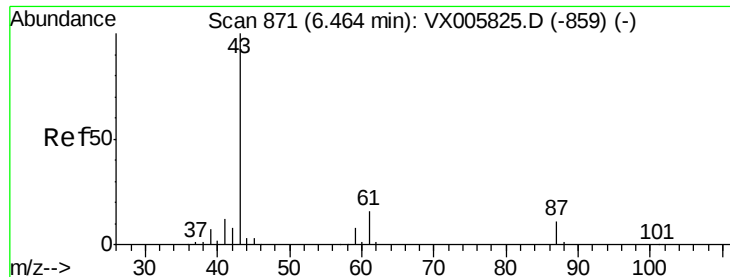
MMDadoda
11/9/2018 11:37:19 AM



#42
1,2-Dichloroethane
Concen: 20.116 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	17.8	





#43

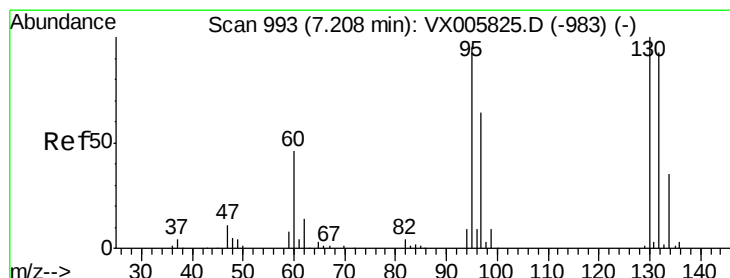
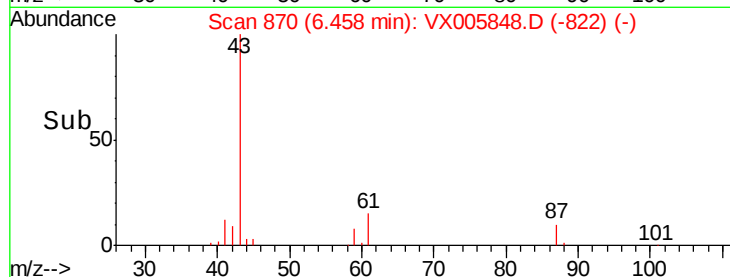
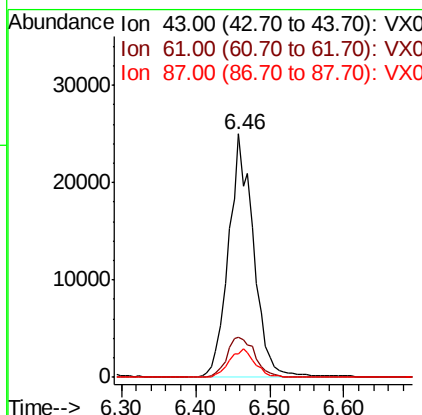
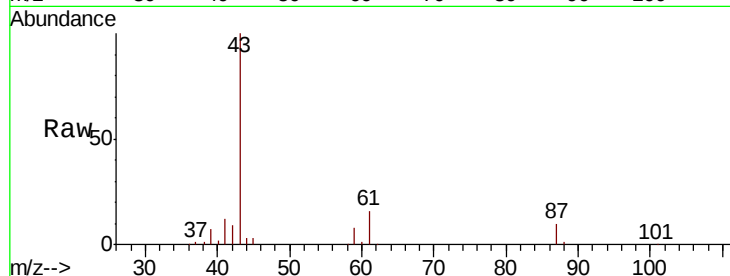
Isopropyl Acetate
 Concen: 19.993 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX005848.D
 Acq: 08 Nov 2018 15:56

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1108WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.6	22.0
87	12.0	9.6	14.4

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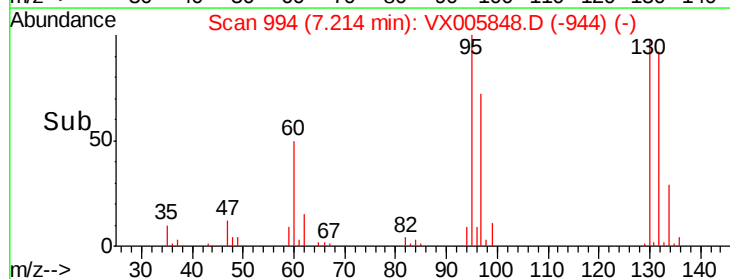
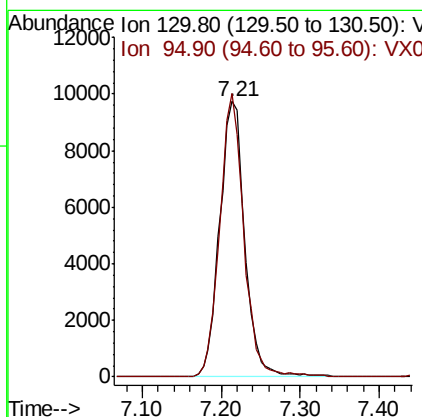
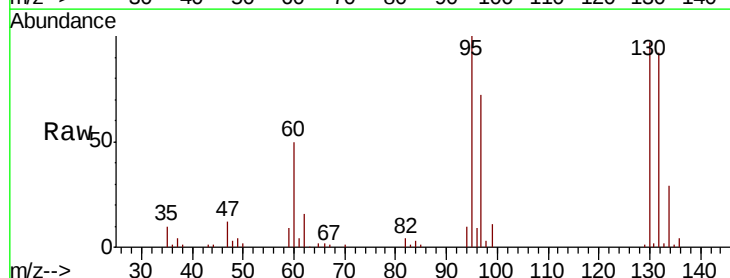
MMDadoda
 11/9/2018 11:37:19 AM

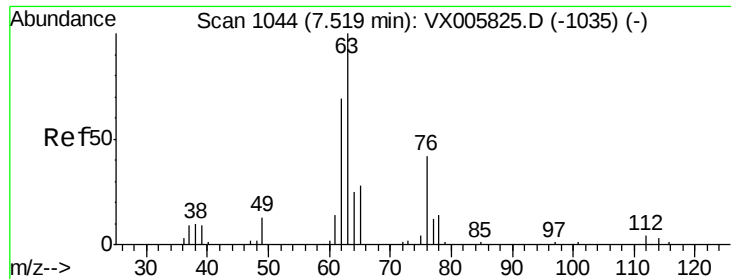


#44

Trichloroethene
 Concen: 18.886 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005848.D
 Acq: 08 Nov 2018 15:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	194.2





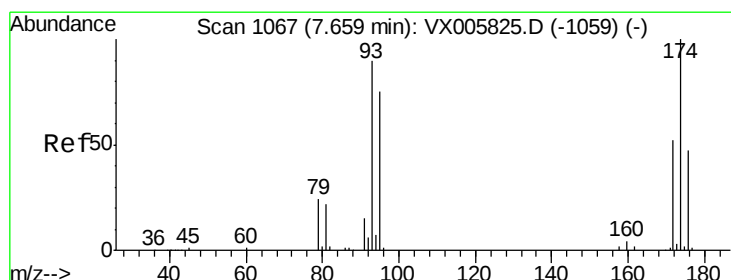
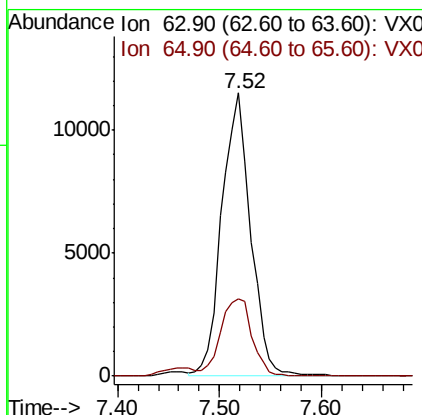
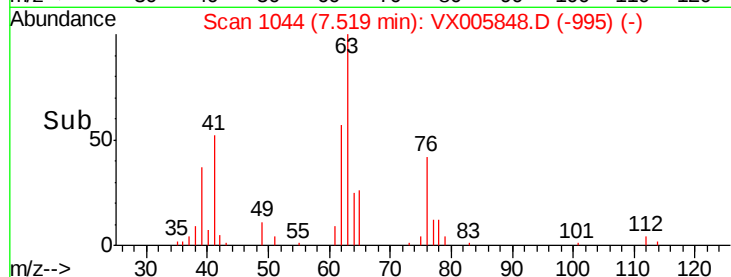
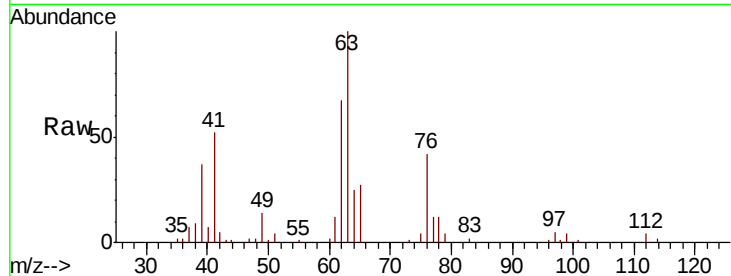
#45
 1,2-Dichloropropane
 Concen: 20.719 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005848.D
 Acq: 08 Nov 2018 15:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108WBSD02

Tot Ion: 63 Resp: 22649
 Ion Ratio Lower Upper
 63 100
 65 27.2 24.8 37.2

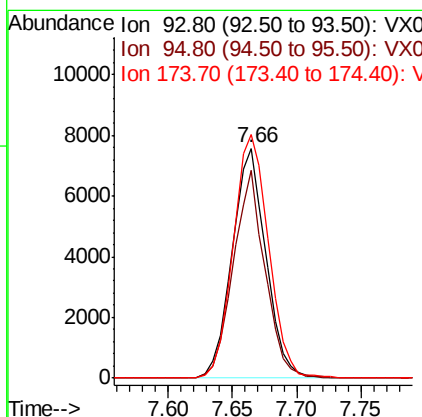
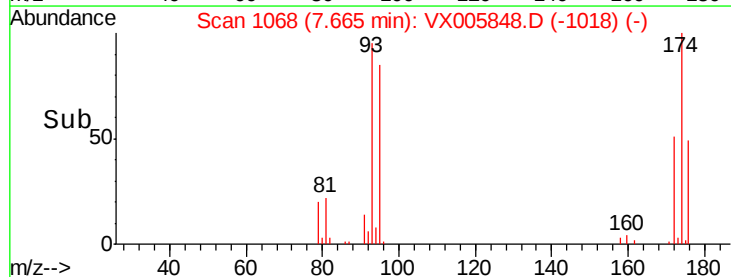
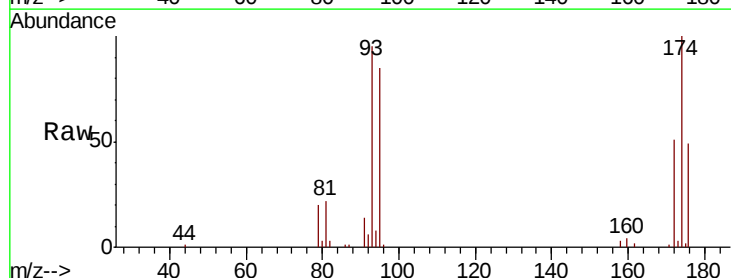
Manual Integrations
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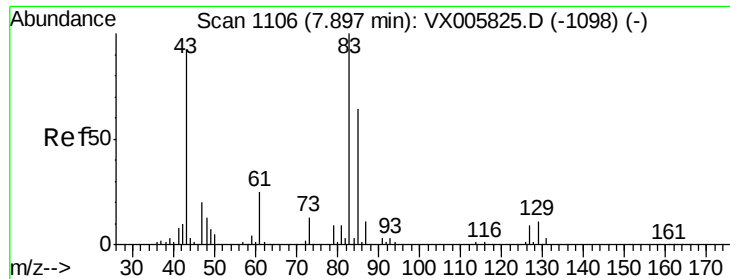
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 11/9/2018 11:37:19 AM



#46
 Dibromomethane
 Concen: 20.114 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX005848.D
 Acq: 08 Nov 2018 15:56

Tgt Ion: 93 Resp: 13798
 Ion Ratio Lower Upper
 93 100
 95 85.0 67.4 101.0
 174 110.8 91.5 137.3





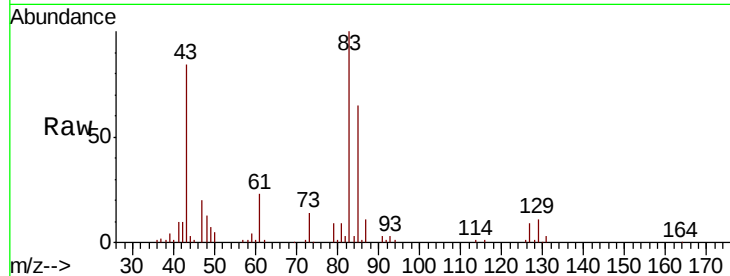
#47
Bromodichloromethane
Concen: 19.883 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBSD02

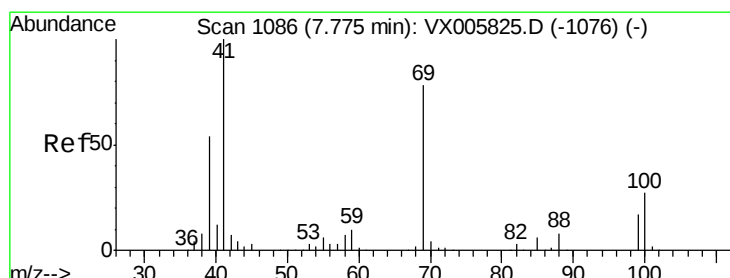
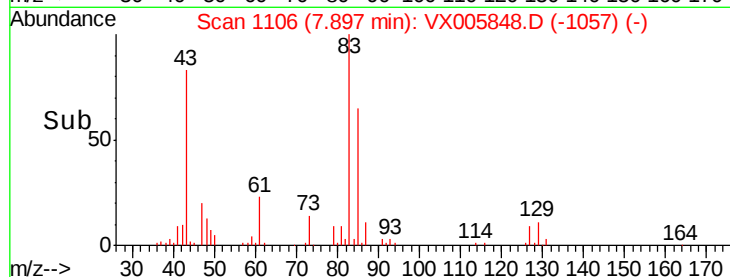
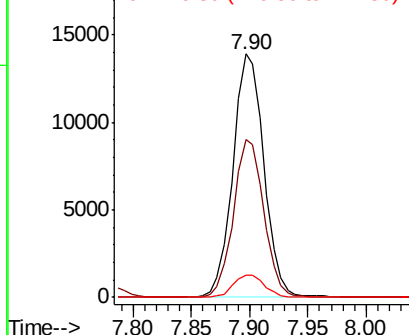
Tot Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.2	75.4
127	9.3	6.9	10.3

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11/9/2018 11:37:19 AM



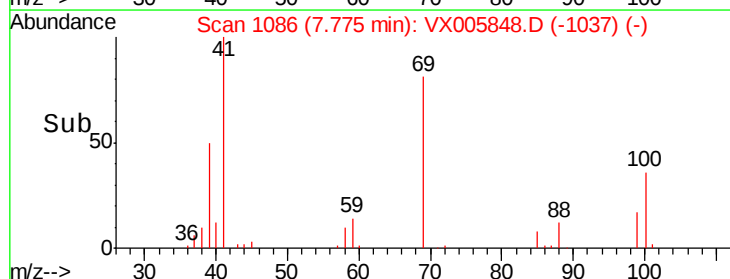
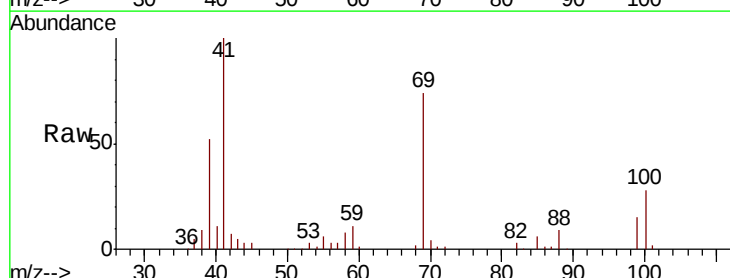
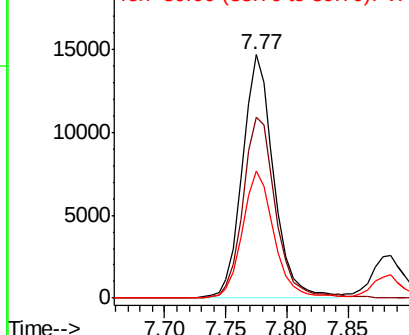
Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V

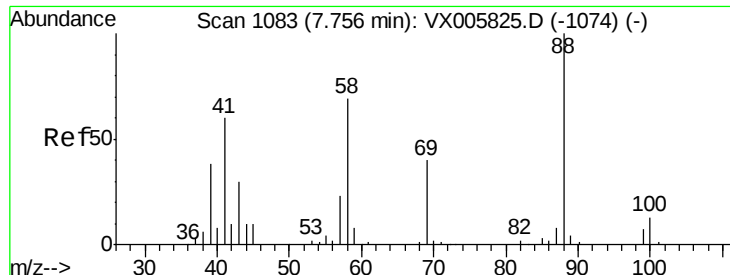


#48
Methyl methacrylate
Concen: 19.834 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Tgt Ion	Ratio	Lower	Upper
41	100		
69	77.7	63.2	94.8
39	52.7	42.2	63.2

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





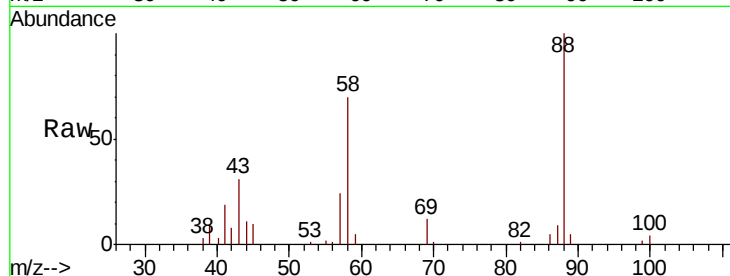
#49
1,4-Dioxane
Concen: 404.084 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	27.4	41.0
58	76.4	59.4	89.2

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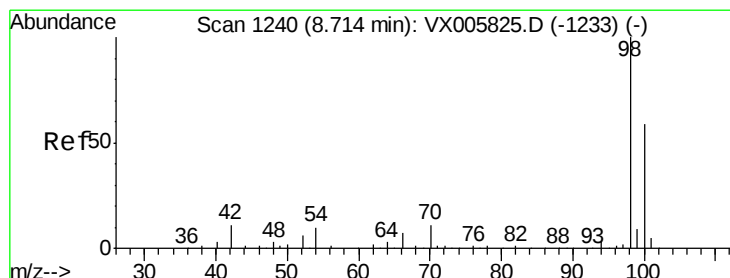
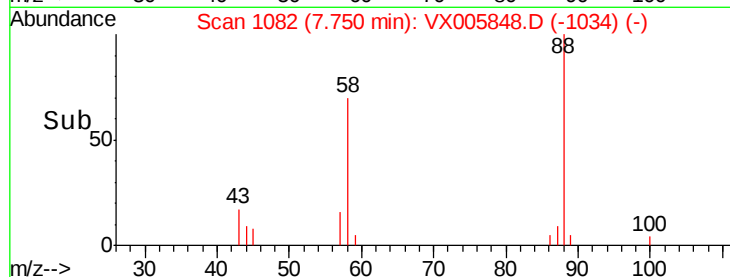
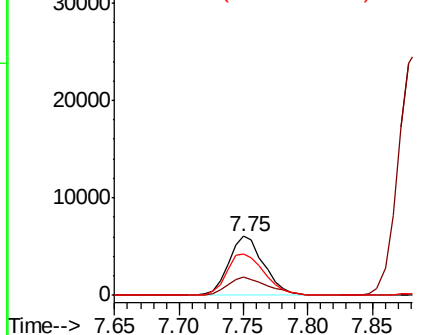


Abundance

Ion 88.00 (87.70 to 88.70): VX0

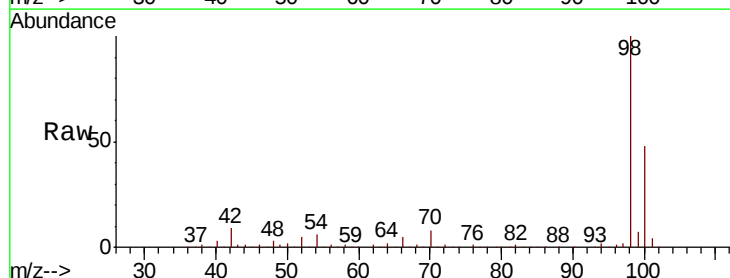
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 58.199 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

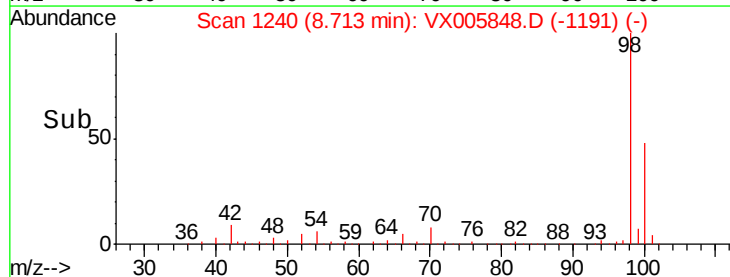
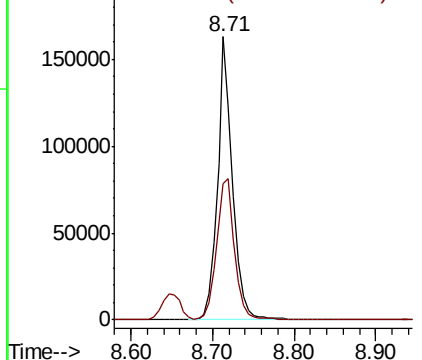
Tgt Ion	Ratio	Lower	Upper
98	100		
100	60.2	51.3	76.9

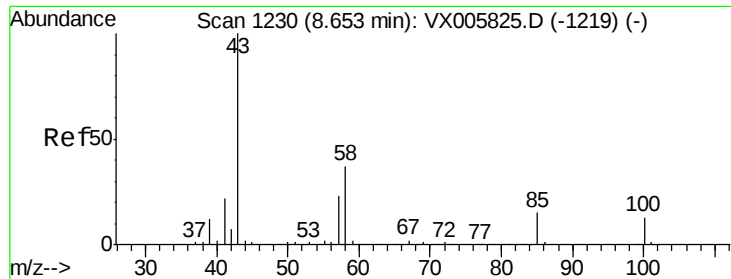


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 98.247 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

Instrument :

MSVOA_X

ClientSampleId :

VX1108WBSD02

Tot Ion: 43 Resp: 182282

Ion Ratio Lower Upper

43 100

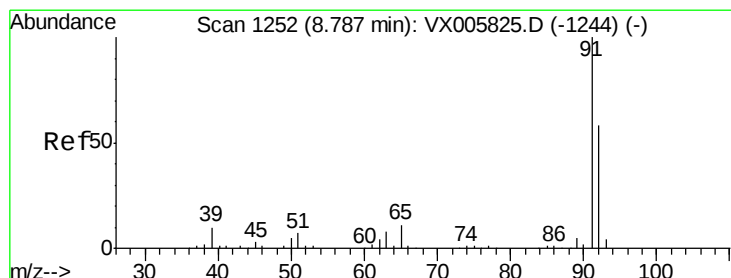
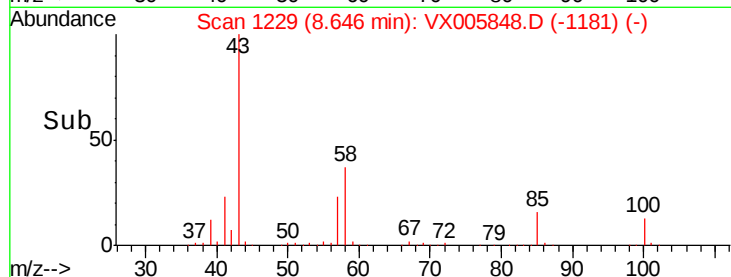
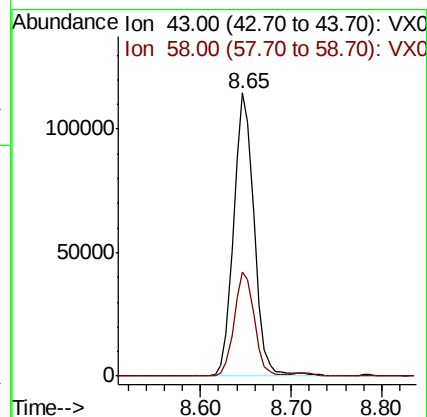
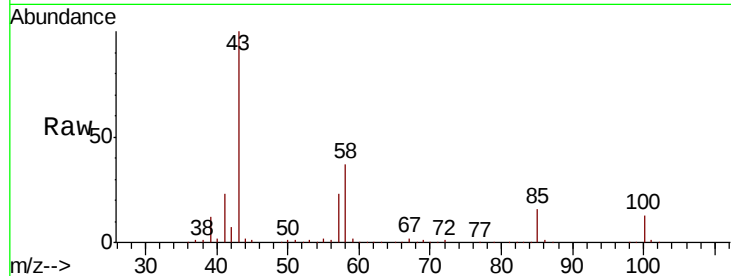
58 36.2 29.7 44.5

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#52

Toluene

Concen: 19.237 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005848.D

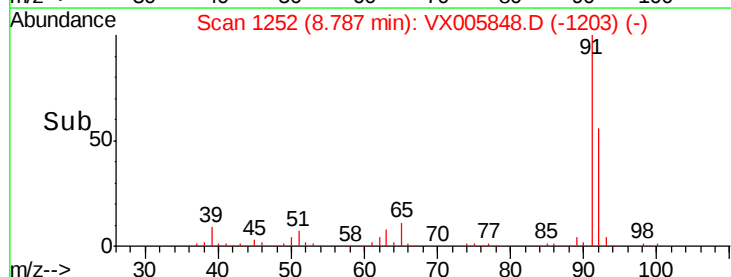
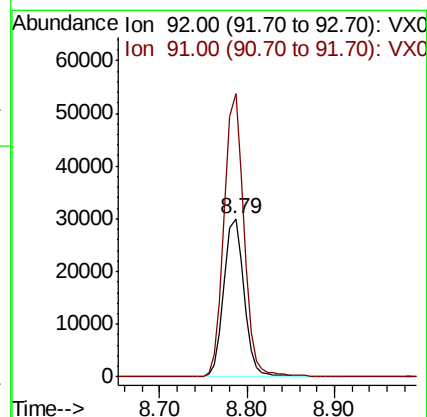
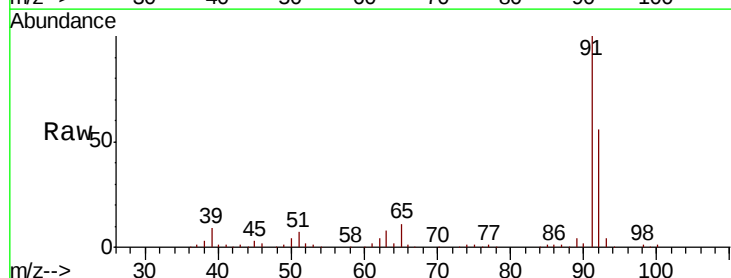
Acq: 08 Nov 2018 15:56

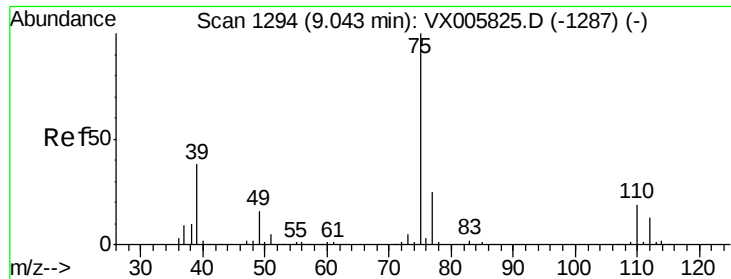
Tgt Ion: 92 Resp: 48423

Ion Ratio Lower Upper

92 100

91 175.0 140.4 210.6





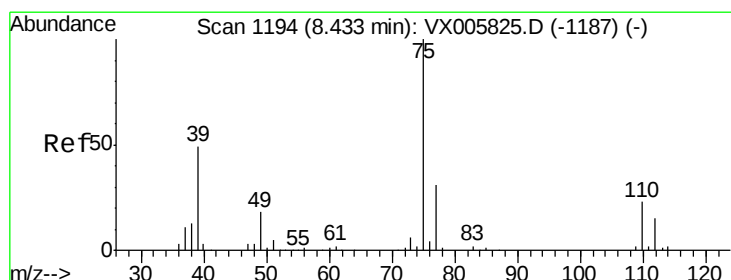
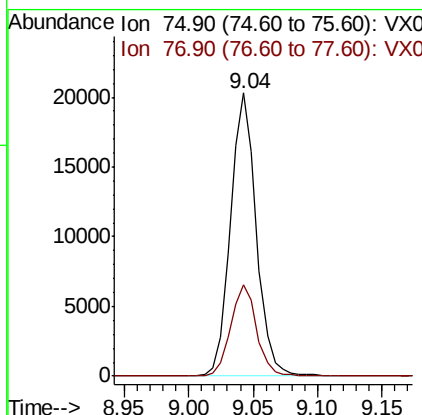
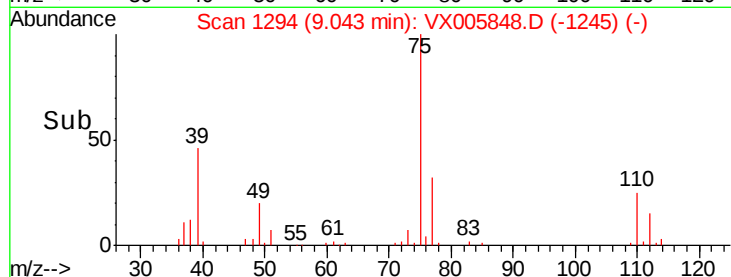
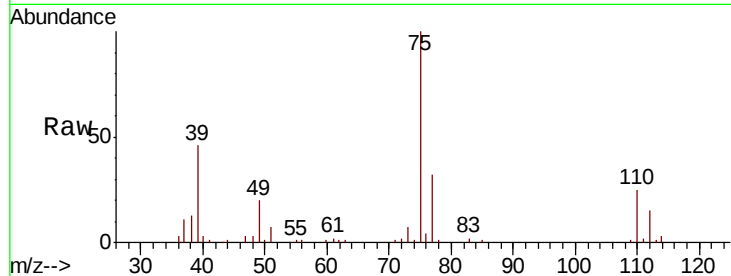
#53
t-1,3-Dichloropropene
Concen: 18.581 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBSD02

Tot Ion: 75 Resp: 28427
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2

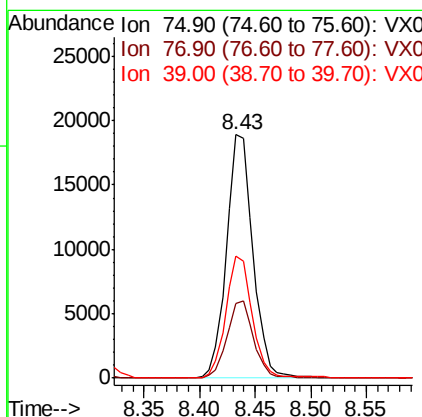
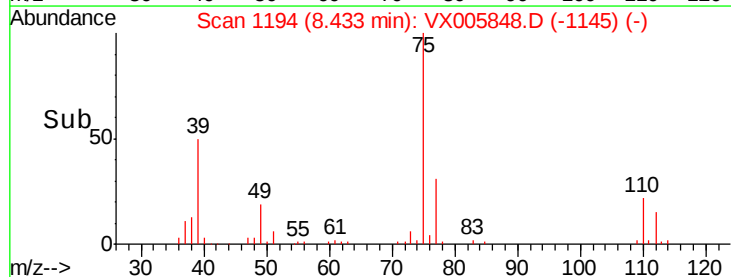
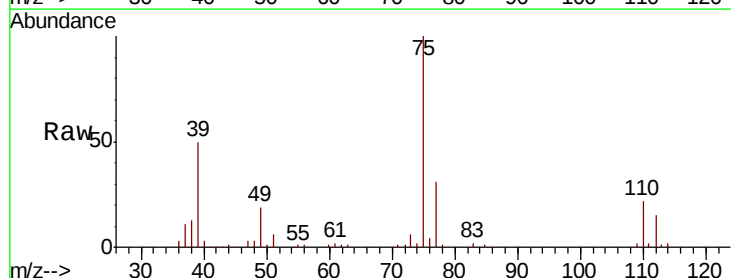
Manual Integrations
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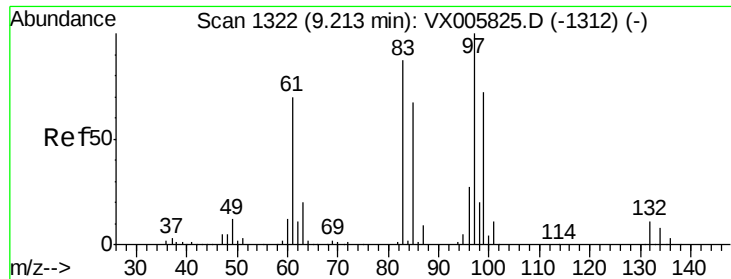
MMDadoda
11/9/2018 11:37:19 AM



#54
cis-1,3-Dichloropropene
Concen: 19.852 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Tgt Ion: 75 Resp: 30956
Ion Ratio Lower Upper
75 100
77 30.9 25.2 37.8
39 50.2 38.2 57.2





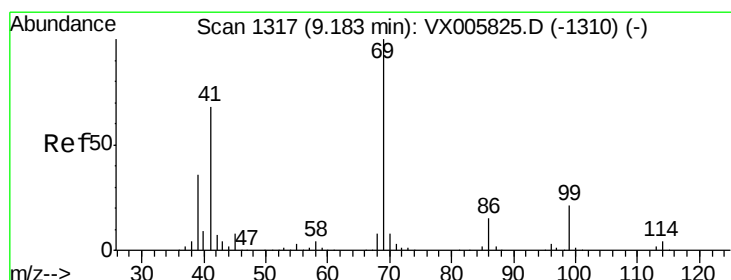
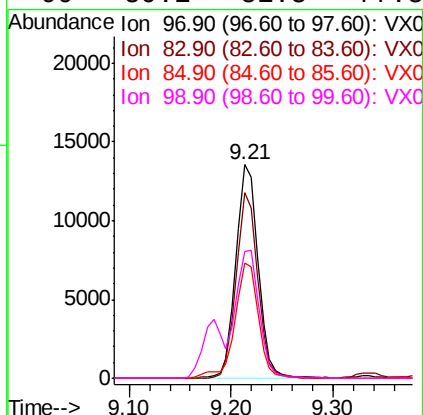
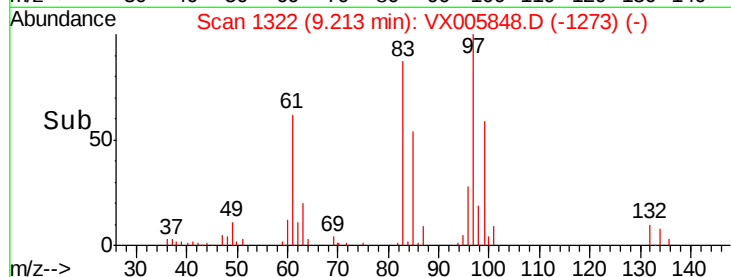
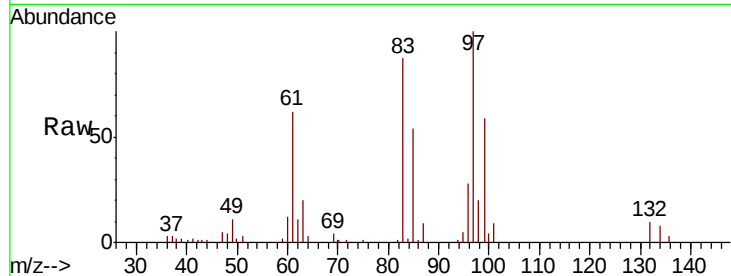
#55
 1,1,2-Trichloroethane
 Concen: 18.175 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005848.D
 Acq: 08 Nov 2018 15:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108WBSD02

Tot Ion:	97	Resp:	20390
Ion	Ratio	Lower	Upper
97	100		
83	86.9	70.7	106.1
85	54.1	45.8	68.6
99	59.1	51.8	77.8

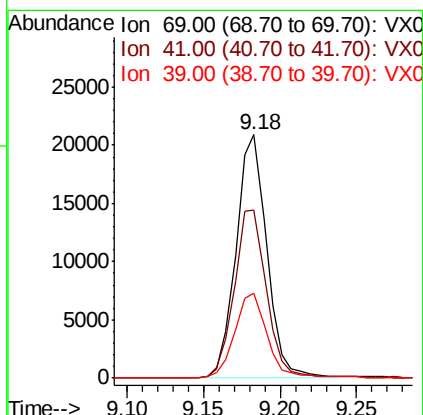
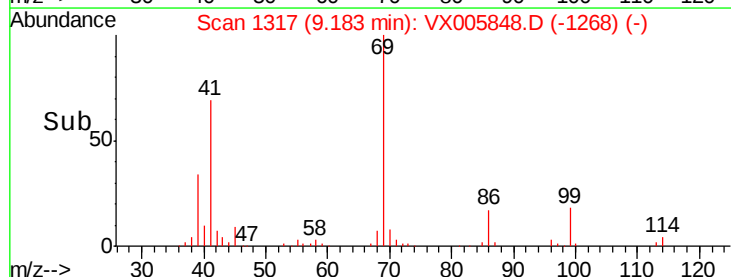
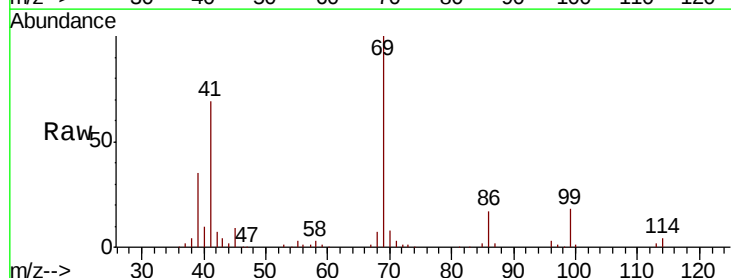
Manual Integrations
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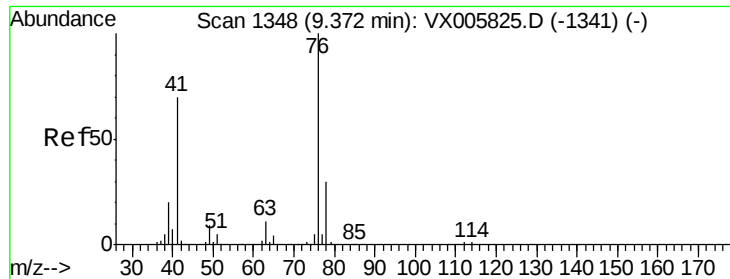
MMDadoda
 11/9/2018 11:37:19 AM



#56
 Ethyl methacrylate
 Concen: 17.422 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005848.D
 Acq: 08 Nov 2018 15:56

Tgt Ion:	69	Resp:	29244
Ion	Ratio	Lower	Upper
69	100		
41	72.8	57.0	85.6
39	36.5	28.3	42.5





#57

1,3-Dichloropropane

Concen: 17.884 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

Instrument :

MSVOA_X

ClientSampleId :

VX1108WBSD02

Tot Ion: 76 Resp: 33715

Ion Ratio Lower Upper

76 100

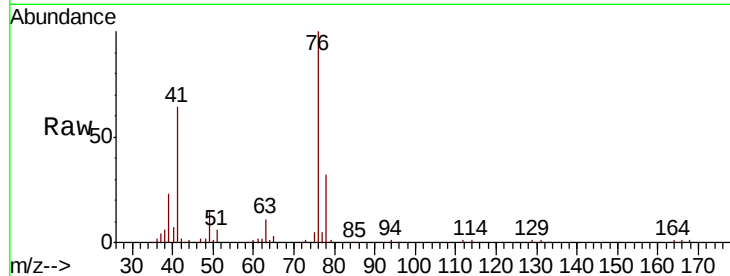
78 31.5 25.3 37.9

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

9.37

25000

20000

15000

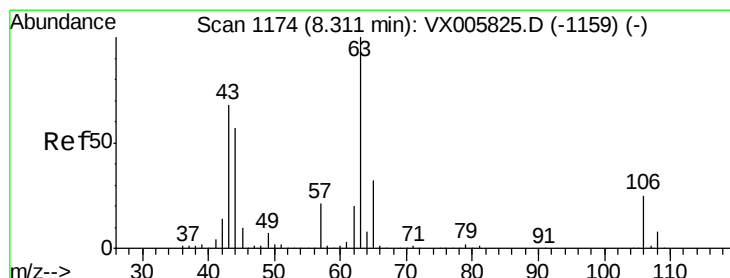
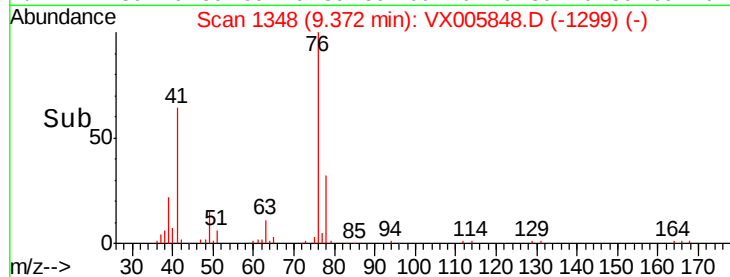
10000

5000

0

9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 105.484 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX005848.D

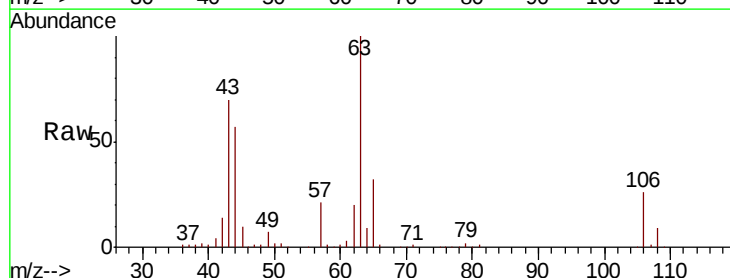
Acq: 08 Nov 2018 15:56

Tgt Ion: 63 Resp: 91954

Ion Ratio Lower Upper

63 100

106 26.0 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

60000

50000

40000

30000

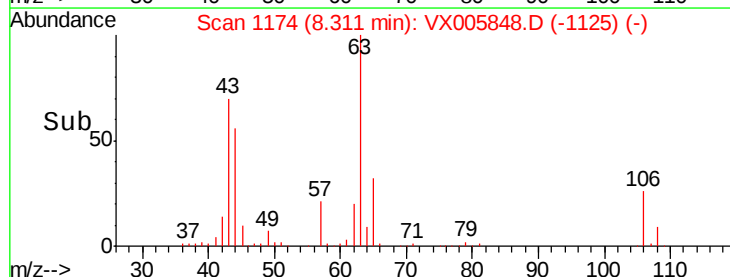
20000

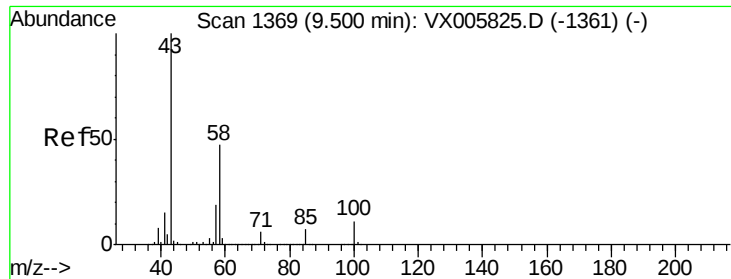
10000

0

8.20 8.30 8.40

Time-->





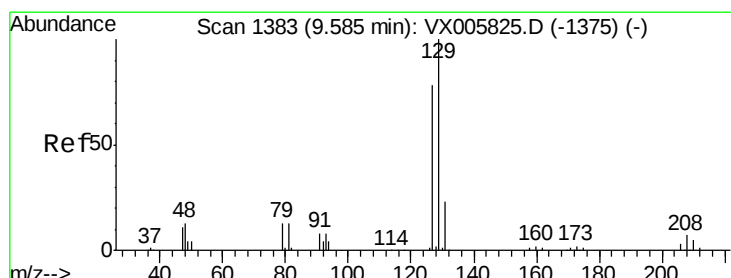
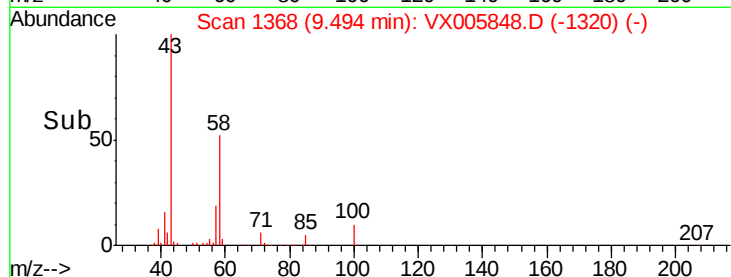
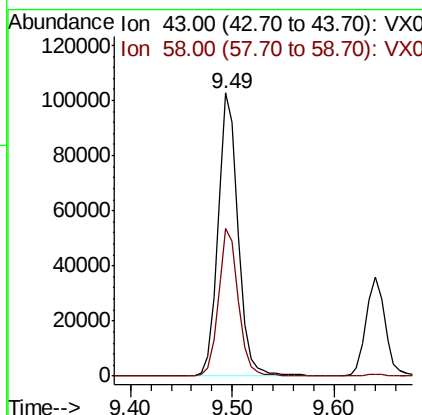
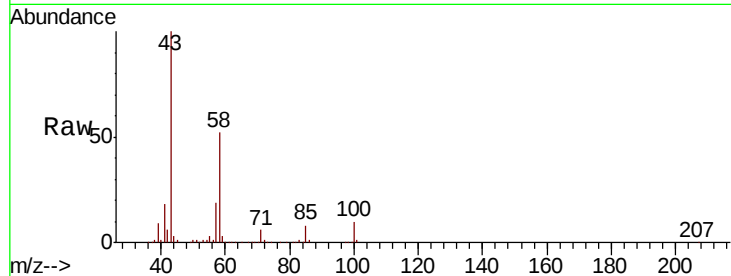
#59
2-Hexanone
Concen: 86.956 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBSD02

Tot Ion: 43 Resp: 142208
Ion Ratio Lower Upper
43 100
58 51.7 25.9 77.8

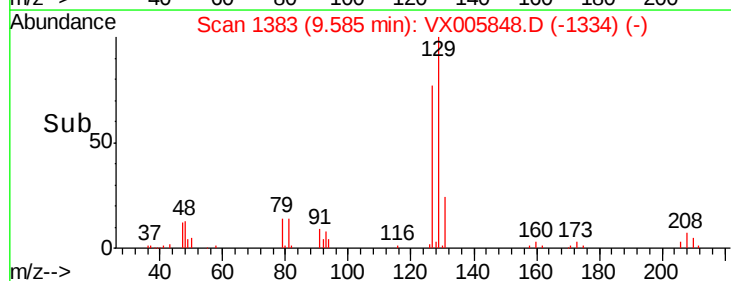
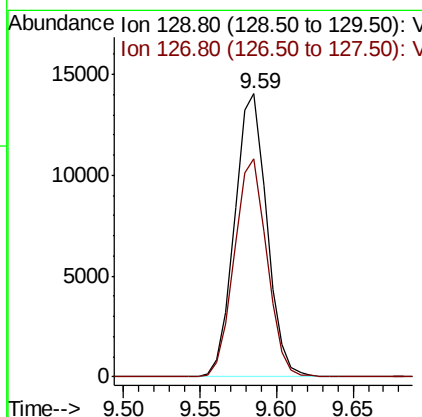
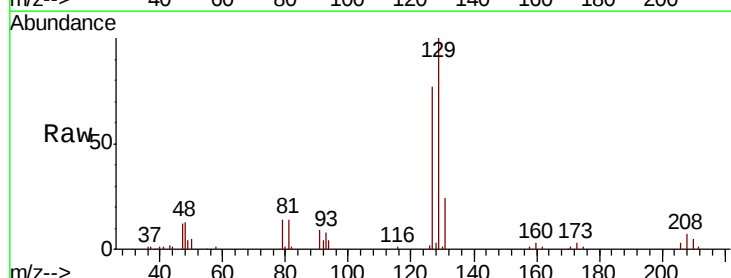
Manual Integrations
APPROVED

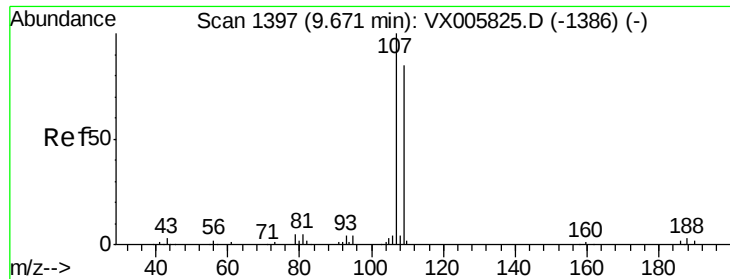
MMDadoda
11/9/2018 11:37:19 AM



#60
Dibromochloromethane
Concen: 16.931 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Tgt Ion: 129 Resp: 20528
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.7





#61

1,2-Dibromoethane

Concen: 16.622 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

Instrument :

MSVOA_X

ClientSampleId :

VX1108WBSD02

Tot Ion:107 Resp: 20619

Ion Ratio Lower Upper

107 100

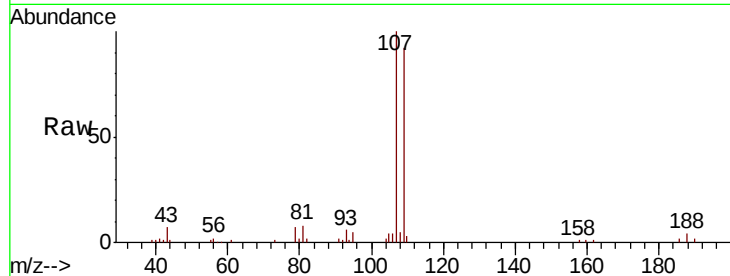
109 95.2 75.7 113.5

Manual Integrations

APPROVED

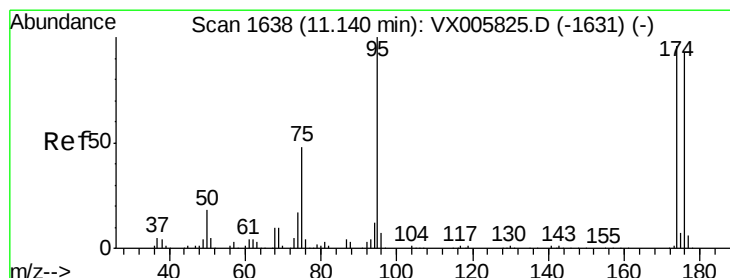
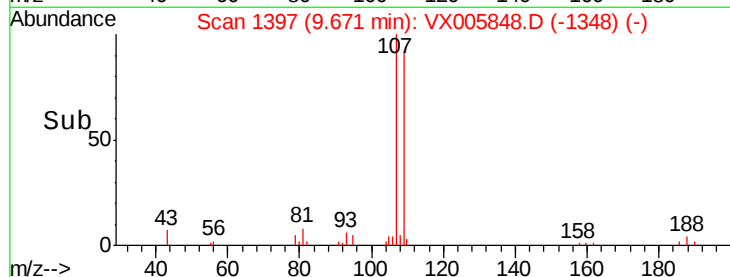
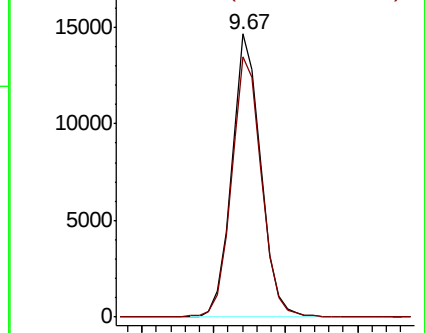
MMDadoda

11/9/2018 11:37:19 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.671 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

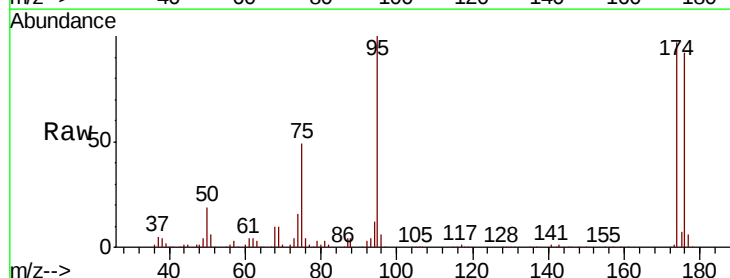
Tgt Ion: 95 Resp: 69928

Ion Ratio Lower Upper

95 100

174 90.2 0.0 184.4

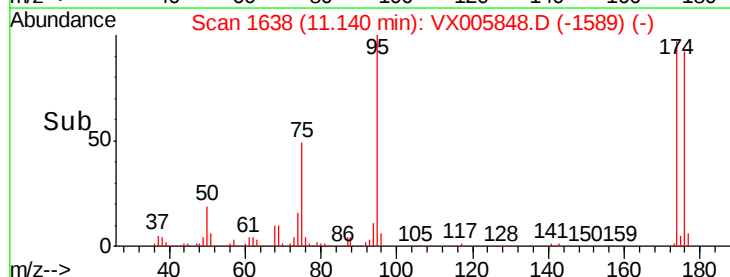
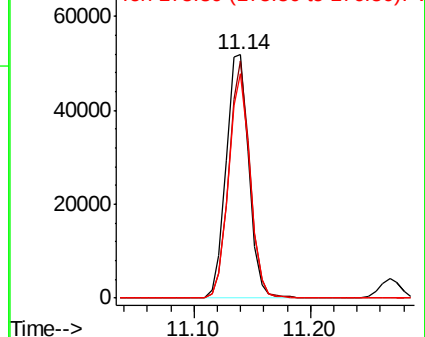
176 87.6 0.0 177.4

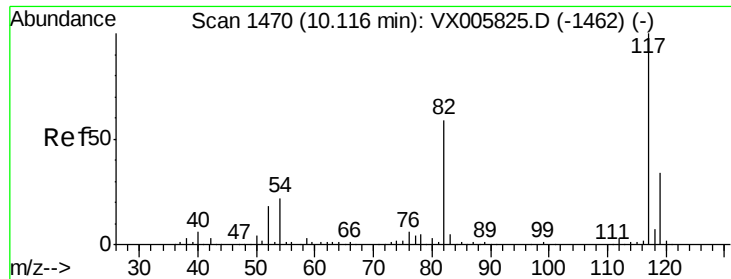


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





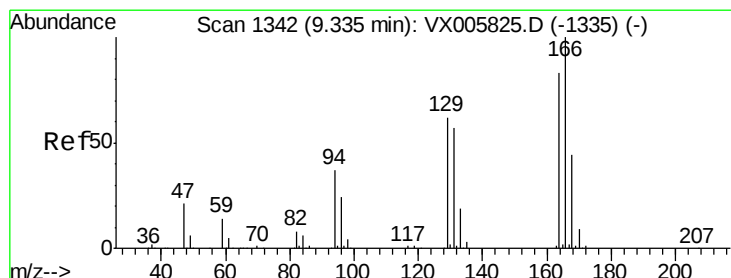
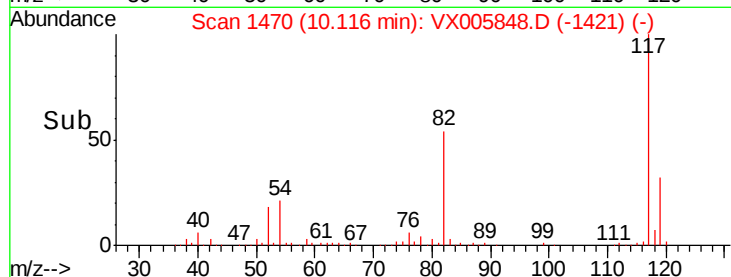
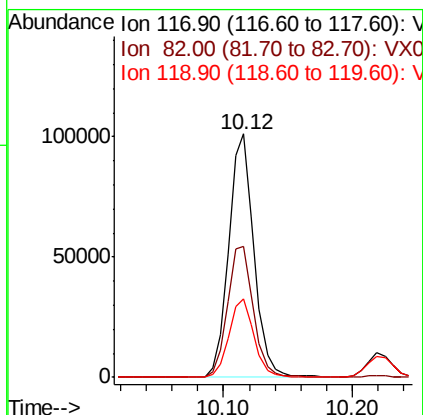
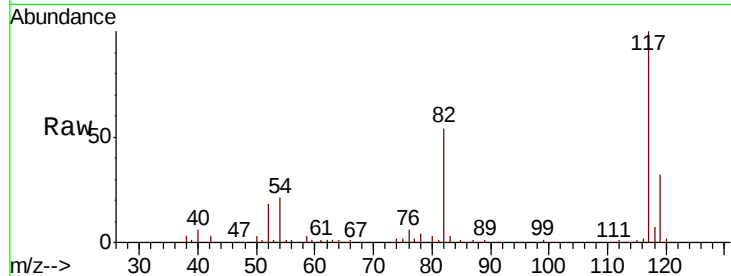
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	44.1	66.1
119	32.0	26.2	39.2

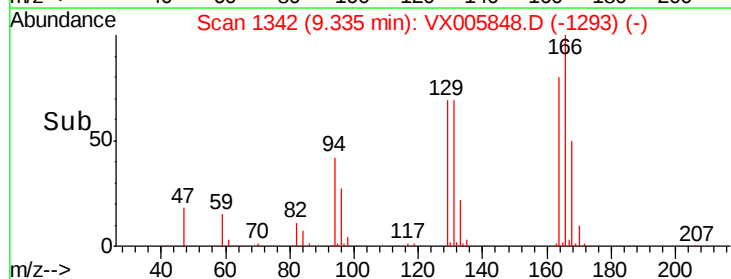
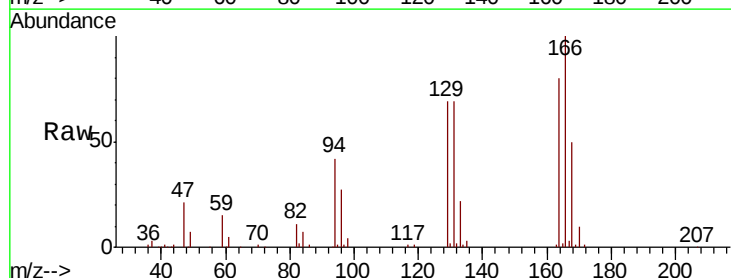
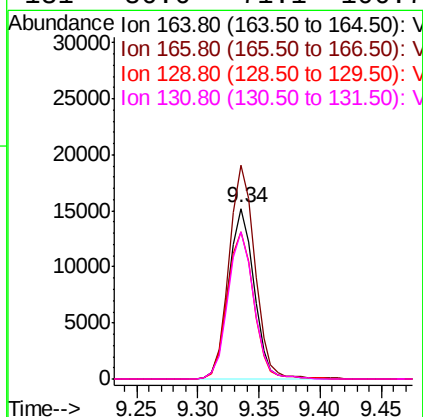
Manual Integrations
APPROVED

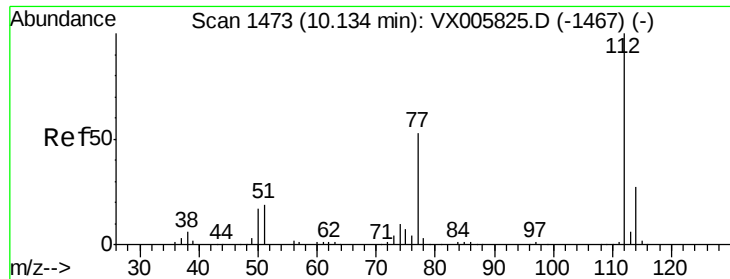
MMDadoda
11/9/2018 11:37:19 AM



#64
Tetrachloroethene
Concen: 18.659 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.4	101.9	152.9
129	86.4	72.6	109.0
131	86.6	71.1	106.7





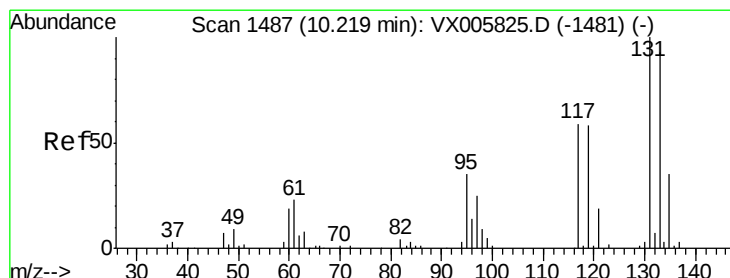
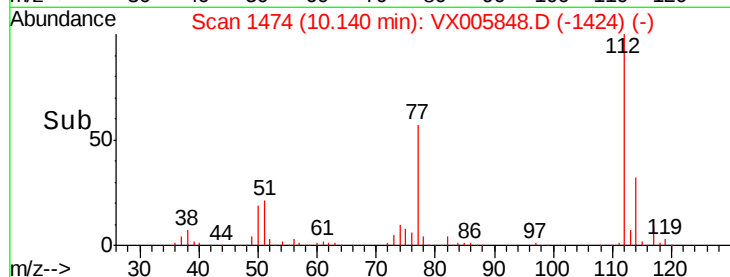
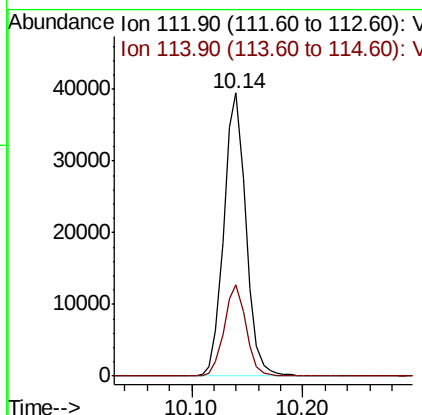
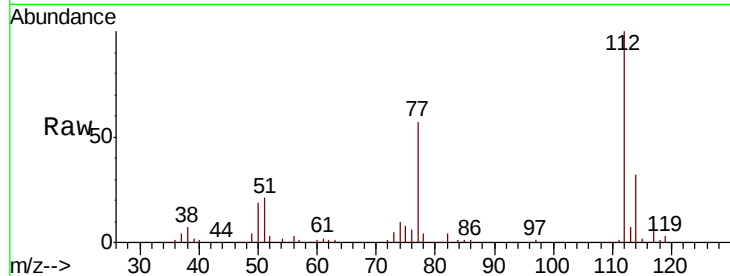
#65
Chlorobenzene
Concen: 19.498 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Instrument :
MSVOA_X
ClientSampled :
VX1108WBSD02

Tot Ion:112 Resp: 54233
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6

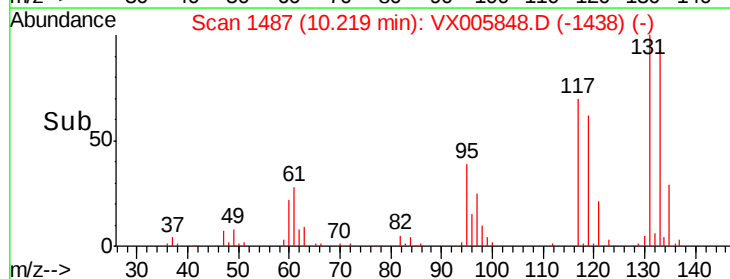
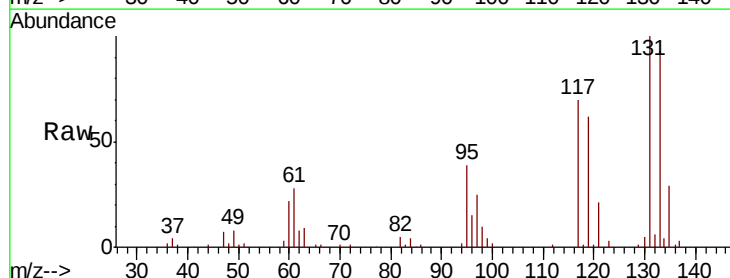
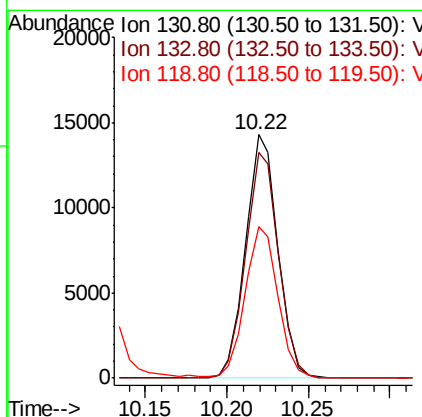
Manual Integrations
APPROVED

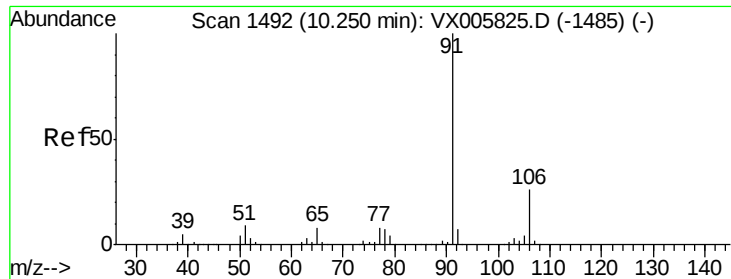
MMDadoda
11/9/2018 11:37:19 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.403 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Tgt Ion:131 Resp: 19729
Ion Ratio Lower Upper
131 100
133 94.6 47.5 142.5
119 63.4 31.8 95.3





#67

Ethyl Benzene

Concen: 20.492 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

Instrument :

MSVOA_X

ClientSampled :

VX1108WBSD02

Tot Ion: 91 Resp: 91397

Ion Ratio Lower Upper

91 100

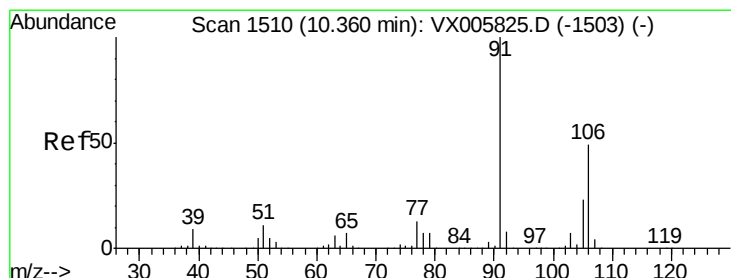
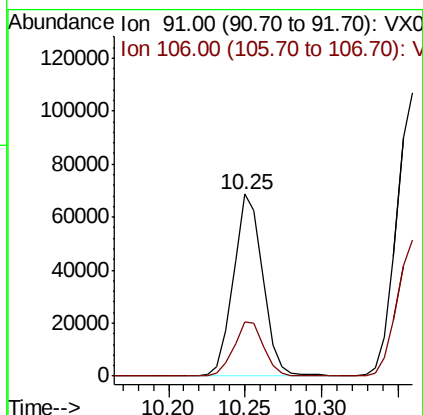
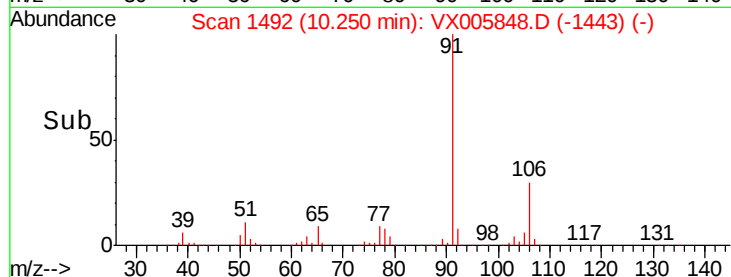
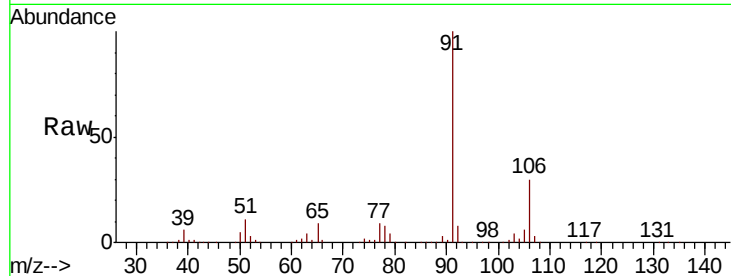
106 29.6 24.4 36.6

Manual Integrations

APPROVED

MMDadoda

11/9/2018 11:37:19 AM



#68

m/p-Xylenes

Concen: 41.489 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005848.D

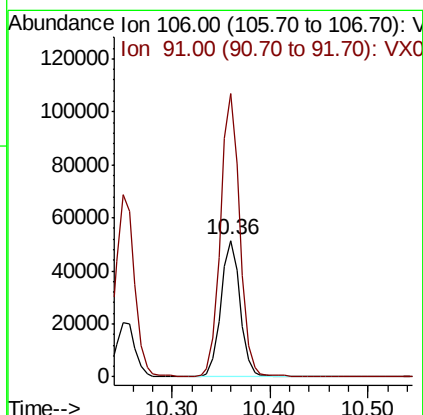
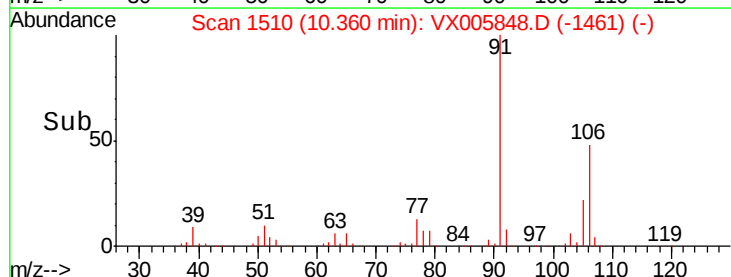
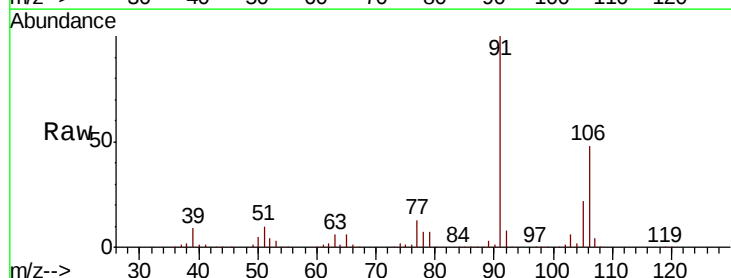
Acq: 08 Nov 2018 15:56

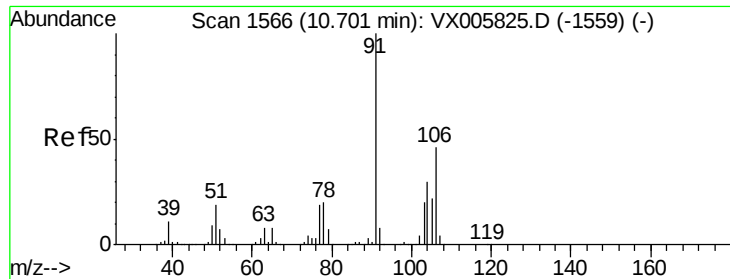
Tgt Ion: 106 Resp: 70582

Ion Ratio Lower Upper

106 100

91 207.6 164.2 246.4





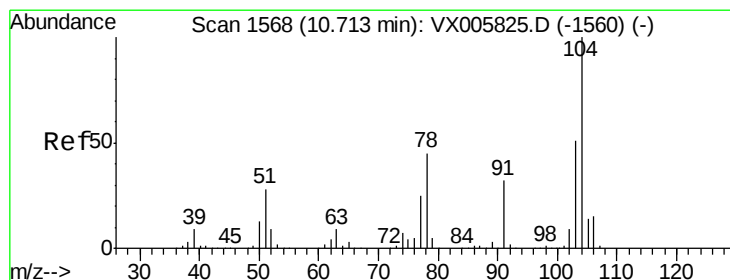
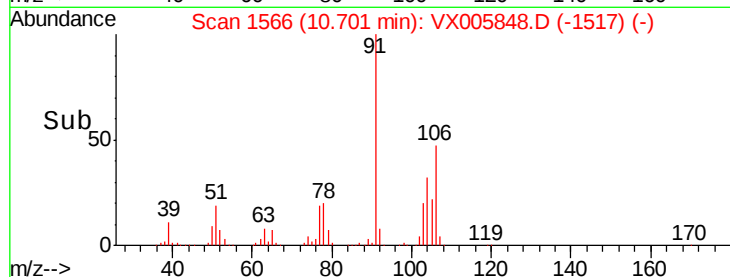
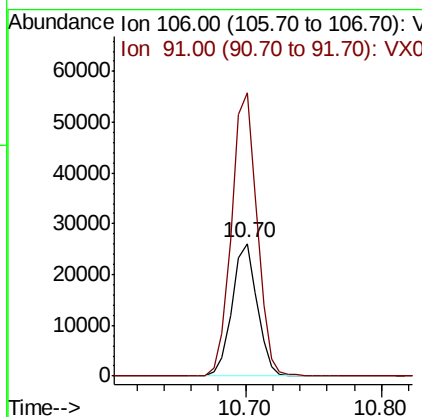
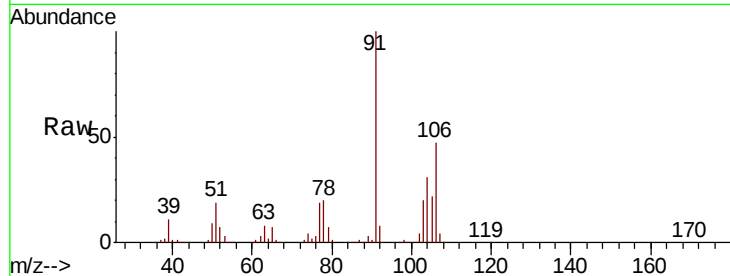
#69
o-Xylene
Concen: 22.109 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	217.6	108.5	33727	325.5	

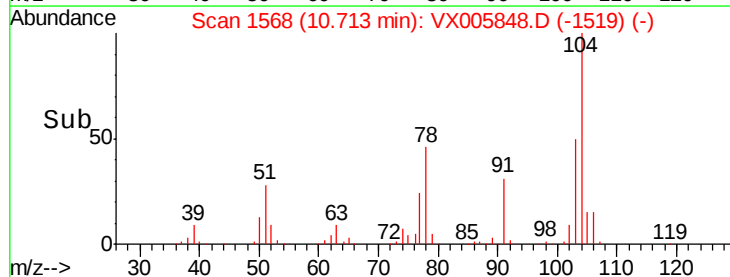
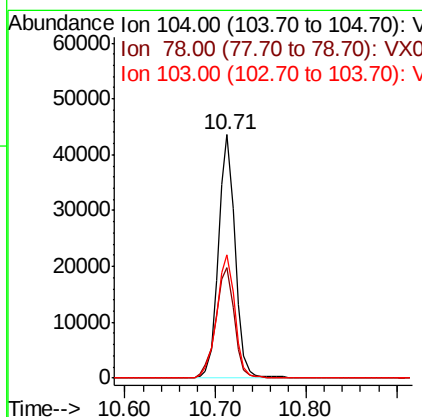
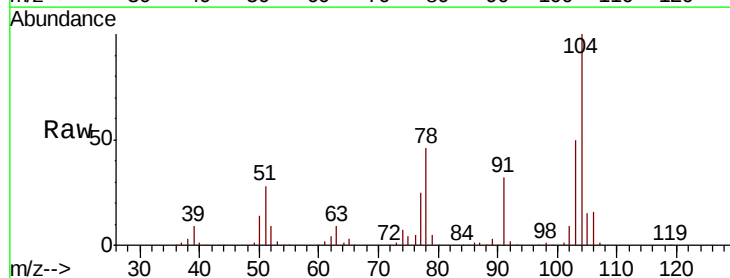
Manual Integrations
APPROVED

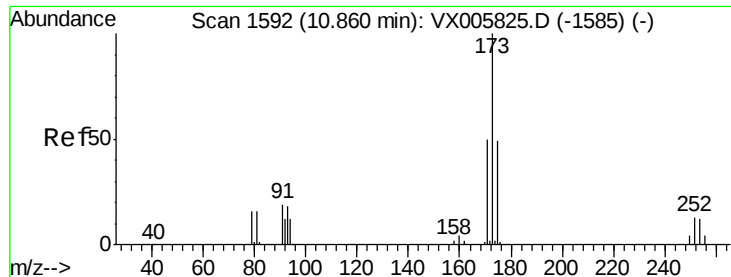
MMDadoda
11/9/2018 11:37:19 AM



#70
Styrene
Concen: 22.312 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	51.1	40.2	56148	60.4	
103	55.8	44.9		67.3	





#71

Bromoform

Concen: 20.380 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

Instrument :

MSVOA_X

ClientSampleId :

VX1108WBSD02

Tot Ion:173 Resp: 16520

Ion Ratio Lower Upper

173 100

175 49.4 24.8 74.3

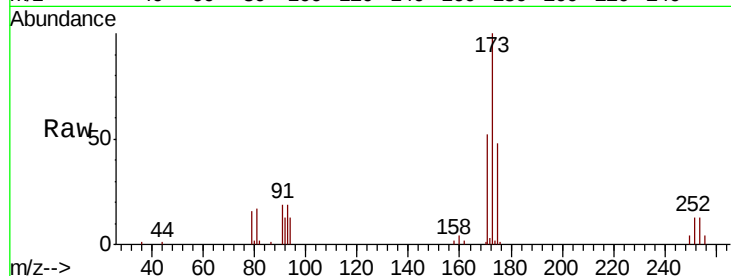
254 0.0 0.2 0.2#

Manual Integrations

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MMDadoda

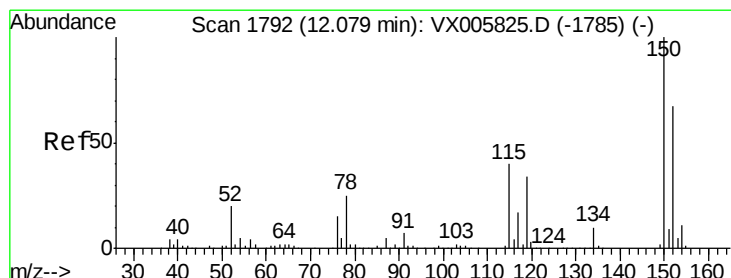
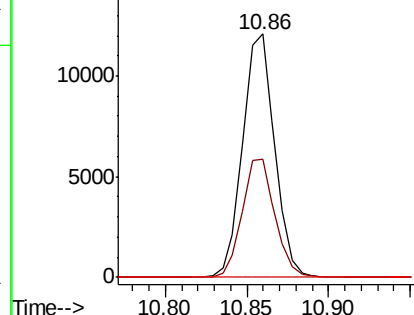
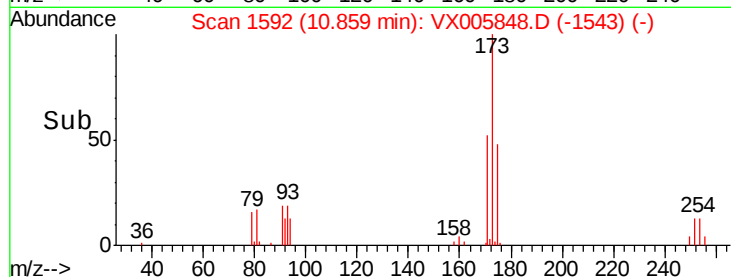
11/9/2018 11:37:19 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

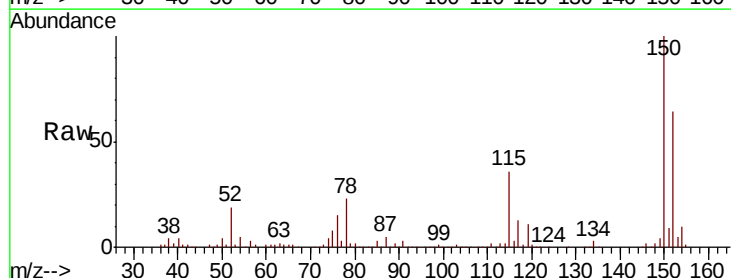
Tgt Ion:152 Resp: 75947

Ion Ratio Lower Upper

152 100

115 64.3 39.4 118.1

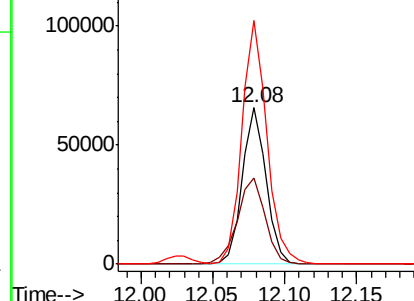
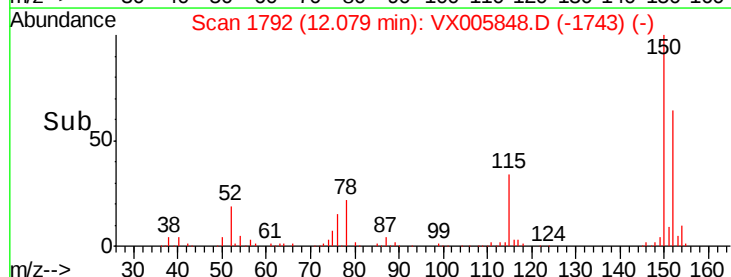
150 162.9 0.0 346.4

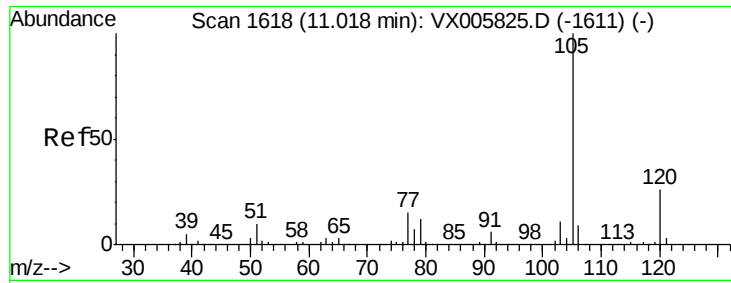


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





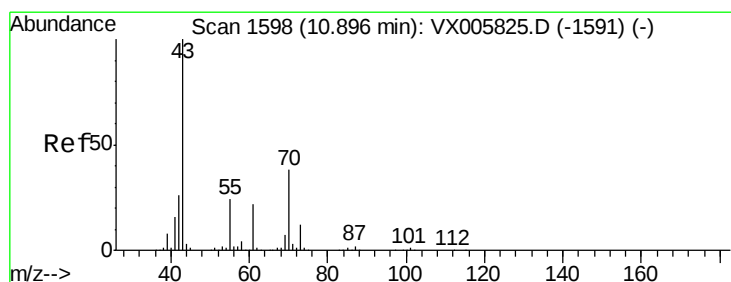
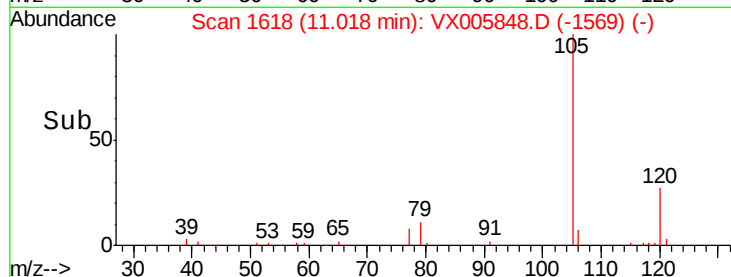
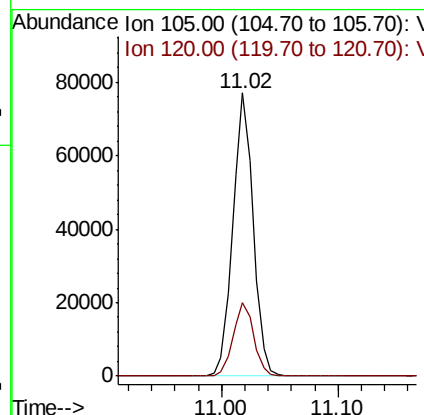
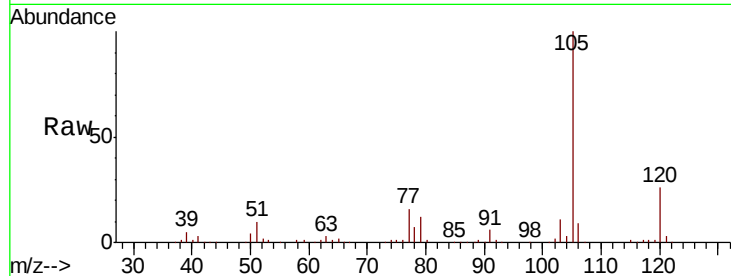
#73
Isopropylbenzene
Concen: 21.233 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.1	39.3

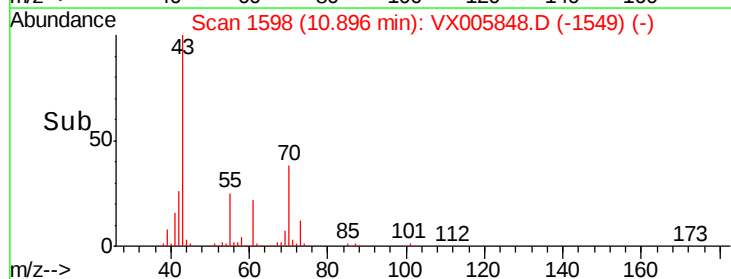
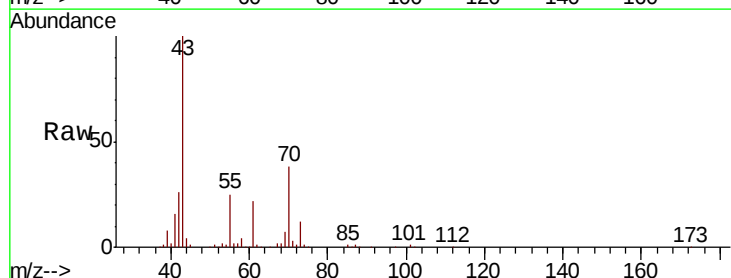
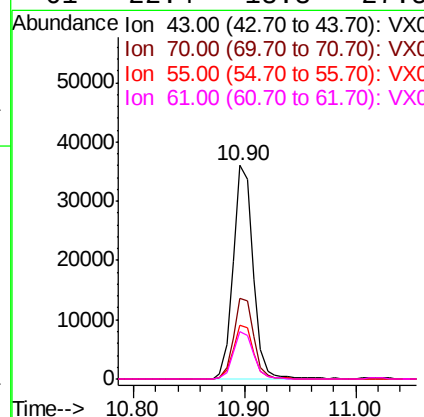
Manual Integrations
APPROVED

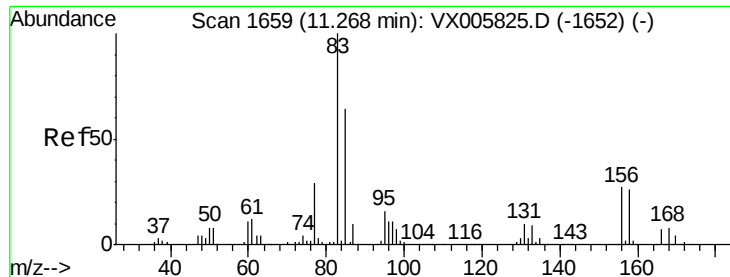
MMDadoda
11/9/2018 11:37:19 AM



#74
N-ethyl acetate
Concen: 18.958 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.2	31.6	47.4
55	25.6	19.7	29.5
61	22.4	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.690 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

Instrument :

MSVOA_X

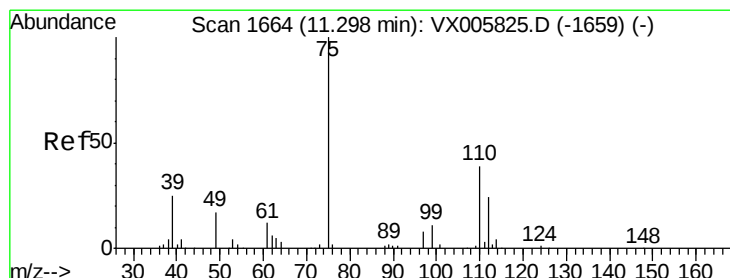
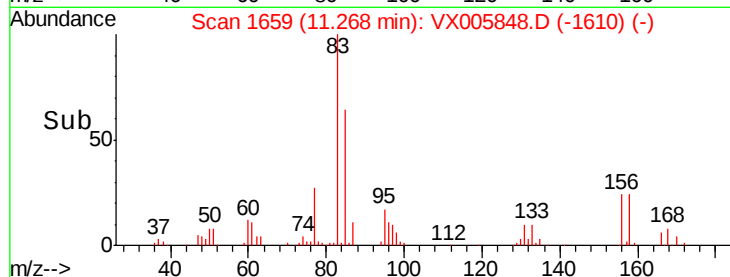
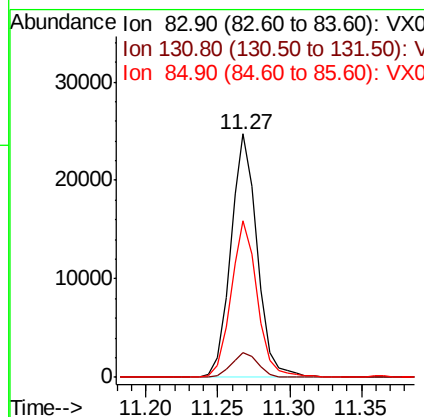
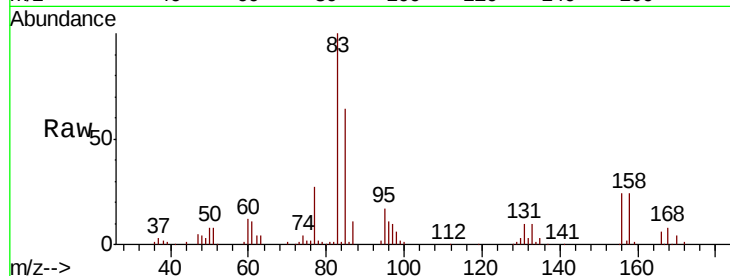
ClientSampleId :

VX1108WBSD02

Tot Ion:	83	Resp:	31741
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.3	15.9
85	64.1	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.265 ug/l m

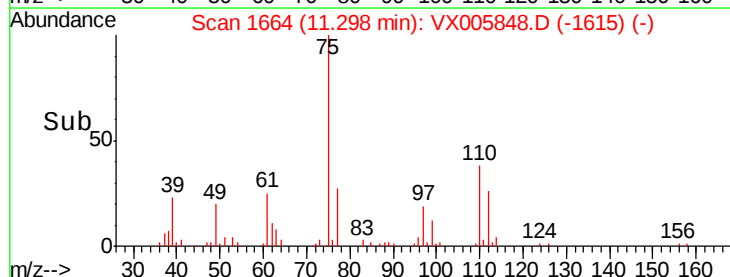
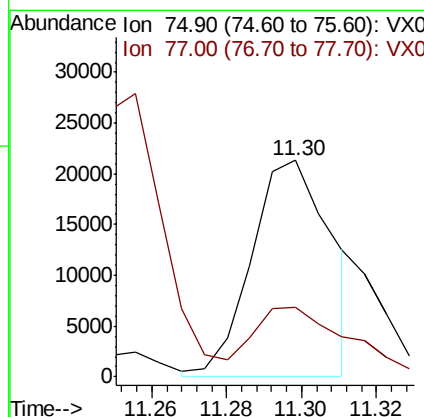
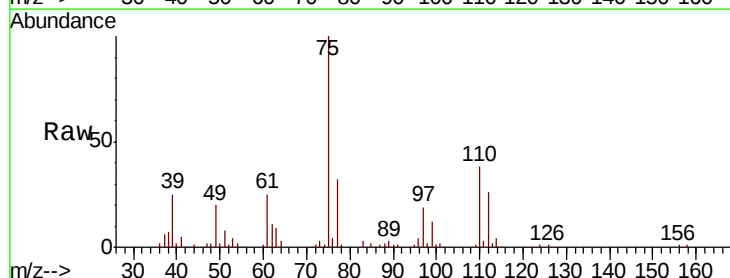
RT: 11.30 min Scan# 1664

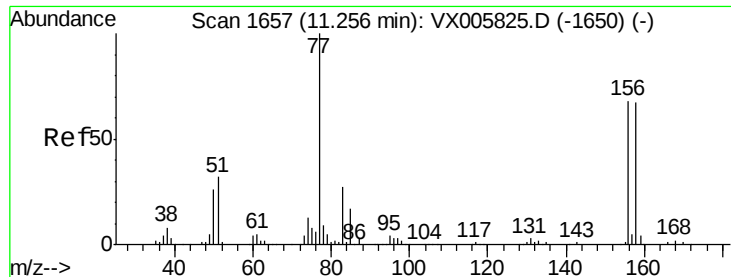
Delta R.T. -0.00 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

Tgt Ion:	75	Resp:	31338
Ion	Ratio	Lower	Upper
75	100		
77	38.8	20.5	61.6





#77

Bromobenzene

Concen: 20.172 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

Instrument :

MSVOA_X

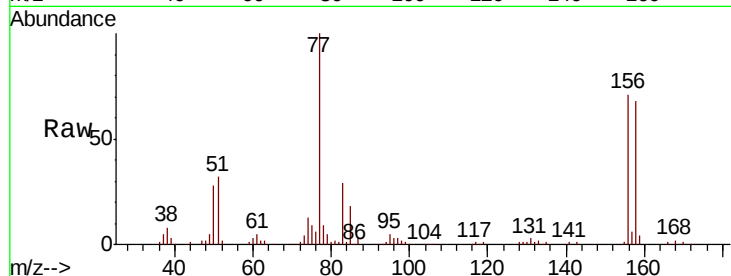
ClientSampleId :

VX1108WBSD02

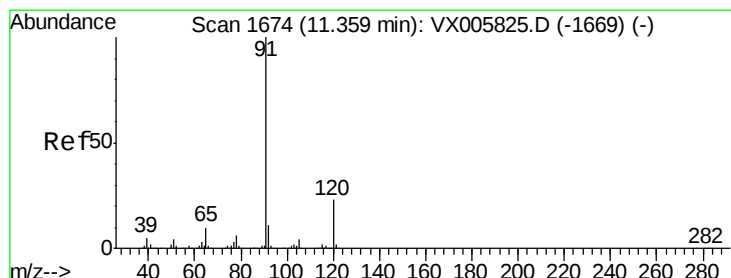
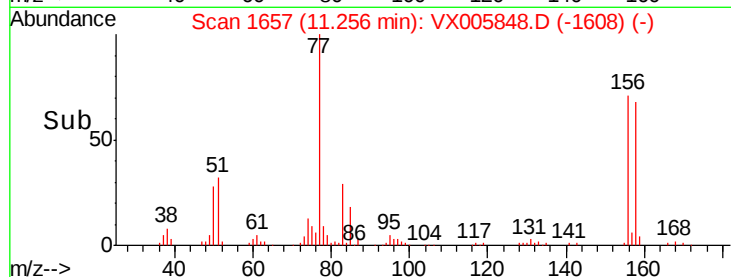
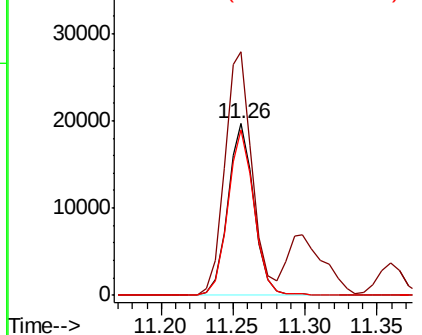
Tot Ion:	156	Resp:	24971
Ion	Ratio	Lower	Upper
156	100		
77	148.7	74.8	224.4
158	97.0	49.1	147.3

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.763 ug/l

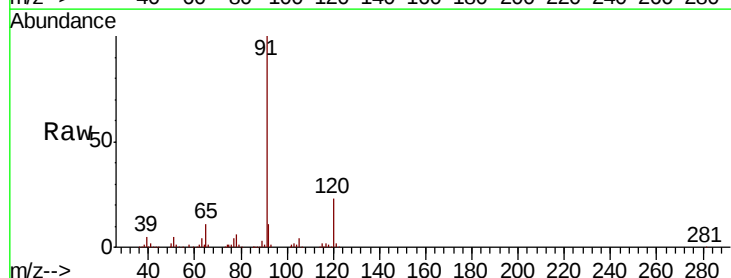
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

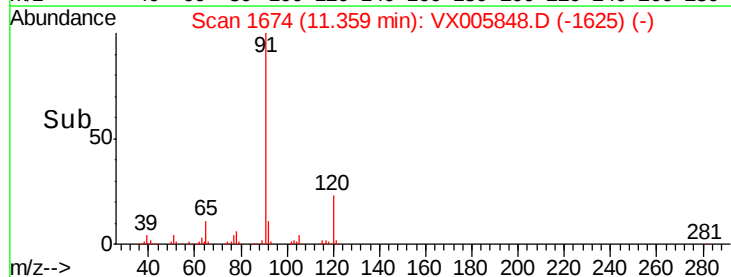
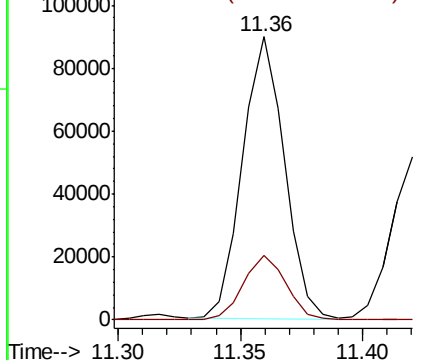
Lab File: VX005848.D

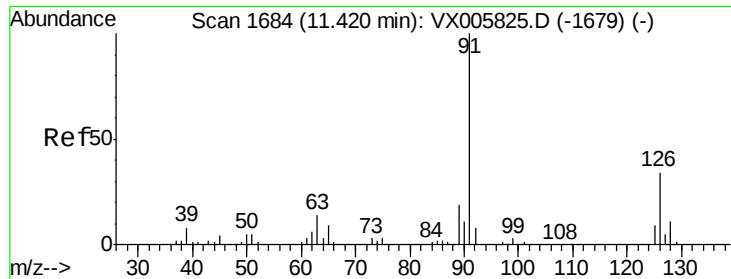
Acq: 08 Nov 2018 15:56

Tgt Ion:	91	Resp:	107470
Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





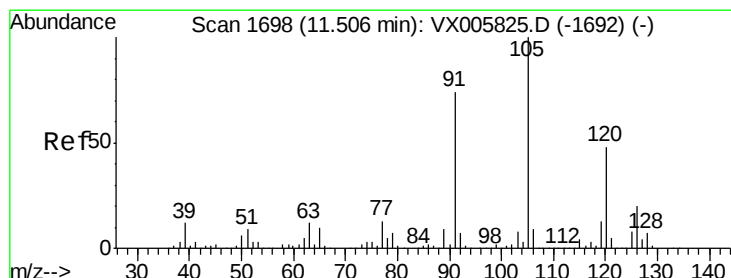
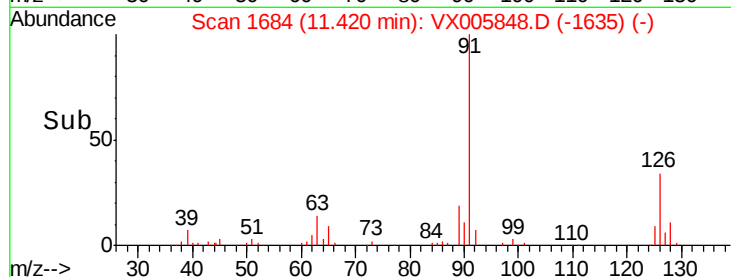
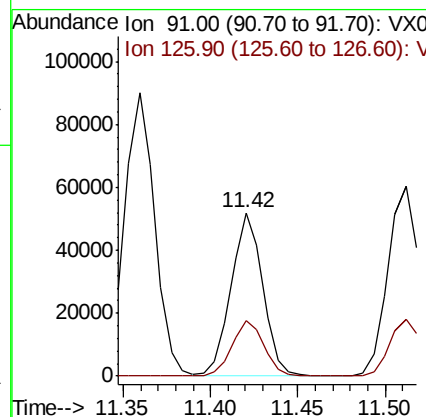
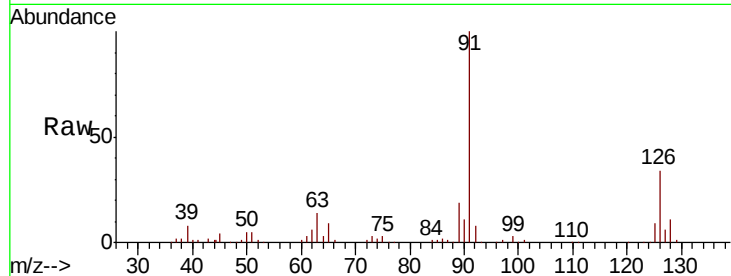
#79
2-Chlorotoluene
Concen: 20.679 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBSD02

Tot Ion: 91 Resp: 64696
Ion Ratio Lower Upper
91 100
126 34.6 17.3 52.0

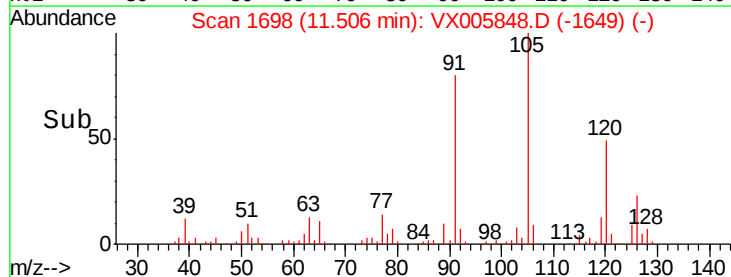
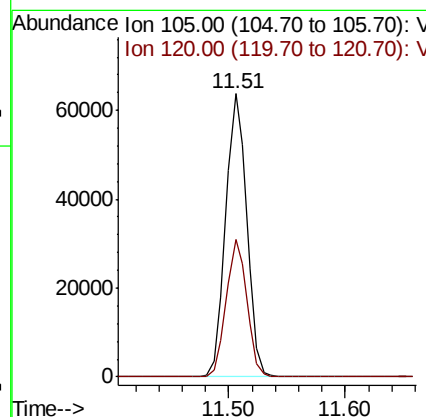
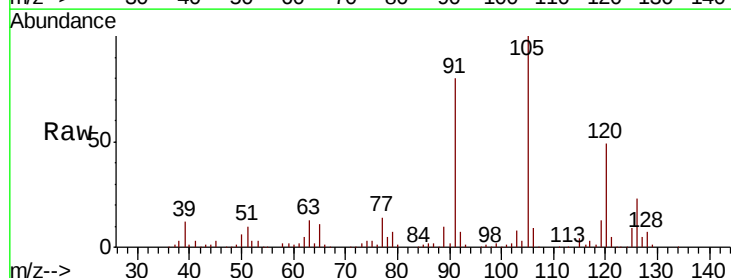
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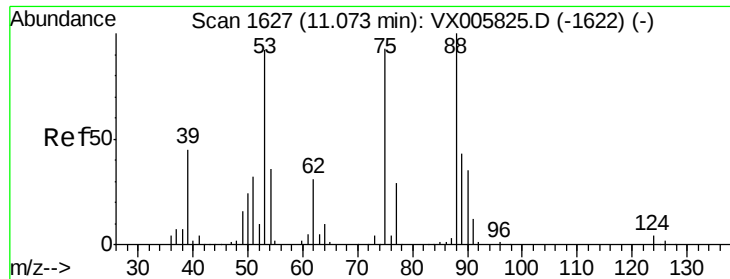
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#80
1,3,5-Trimethylbenzene
Concen: 21.270 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Tgt Ion: 105 Resp: 79386
Ion Ratio Lower Upper
105 100
120 47.7 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.070 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

Instrument :

MSVOA_X

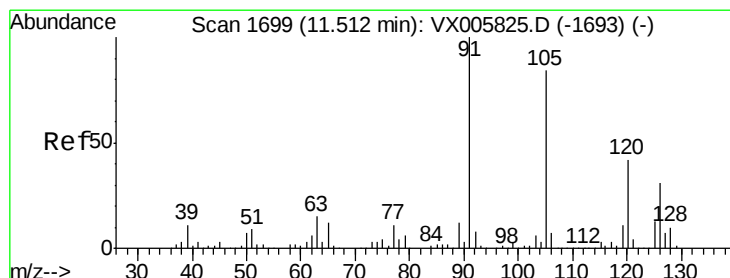
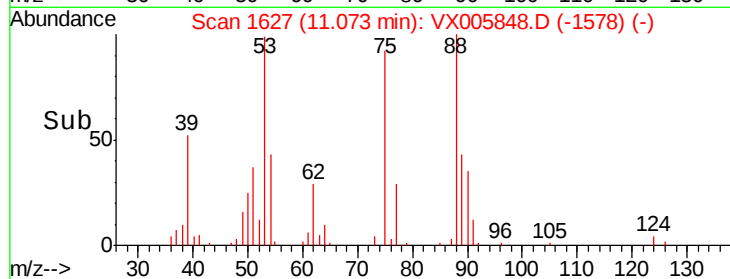
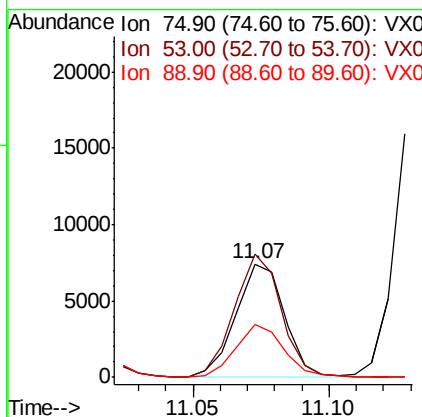
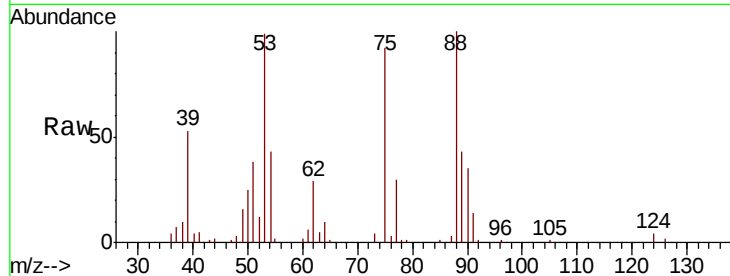
ClientSampleId :

VX1108WBSD02

Tot Ion:	75	Resp:	9253
Ion Ratio	Lower	Upper	
75	100		
53	105.4	80.2	120.2
89	46.2	39.8	59.8

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#82

4-Chlorotoluene

Concen: 20.764 ug/l

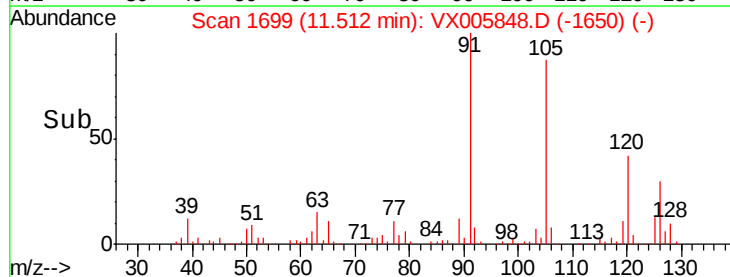
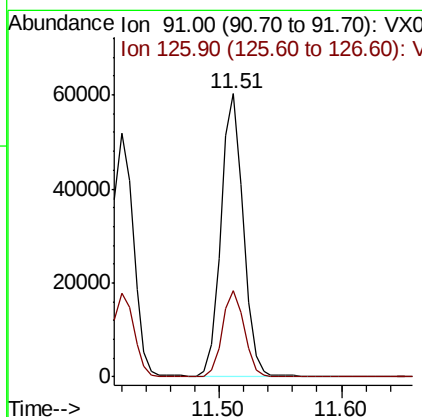
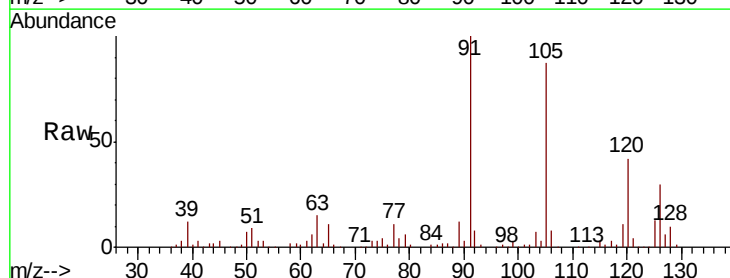
RT: 11.51 min Scan# 1699

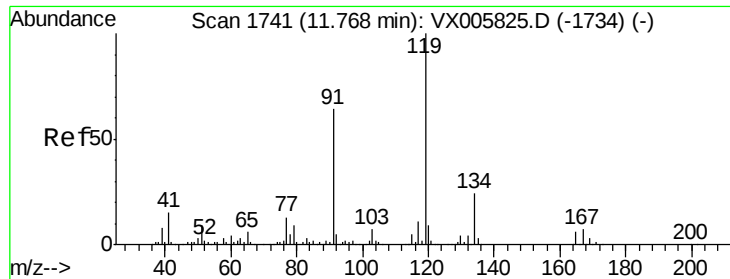
Delta R.T. -0.00 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

Tgt Ion:	91	Resp:	76561
Ion Ratio	Lower	Upper	
91	100		
126	30.1	15.2	45.6





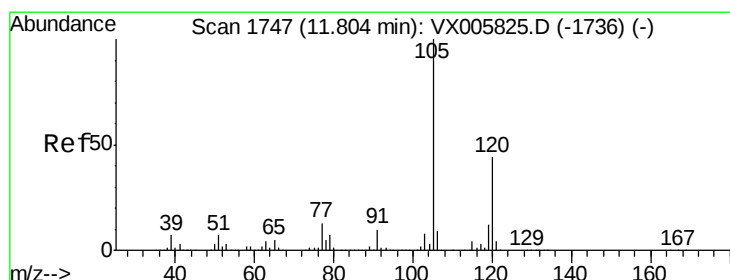
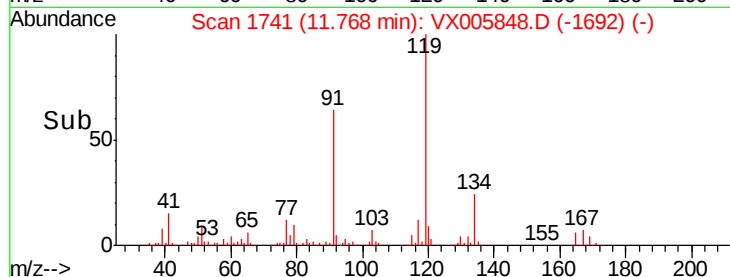
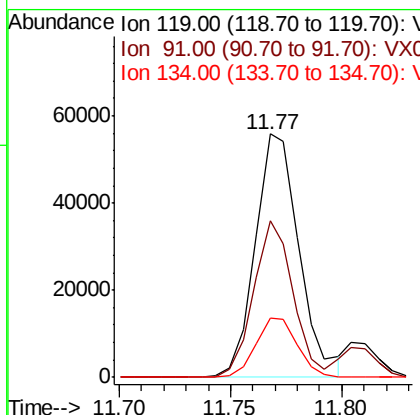
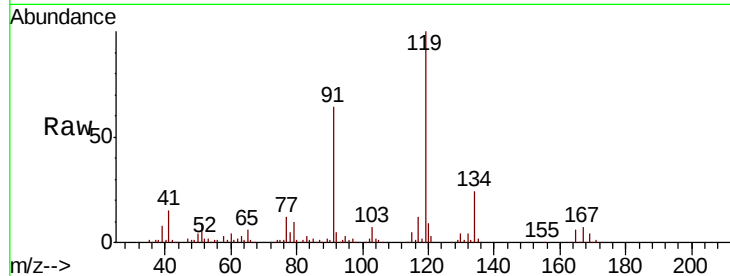
#83
tert-Butylbenzene
Concen: 20.268 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Instrument :
MSVOA_X
ClientSampleId :
VX1108WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.0	28.5	85.5
134	23.1	11.3	33.8

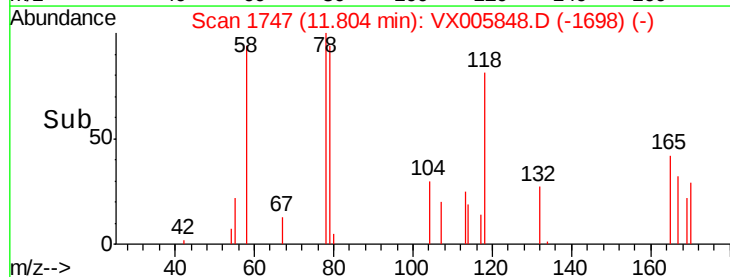
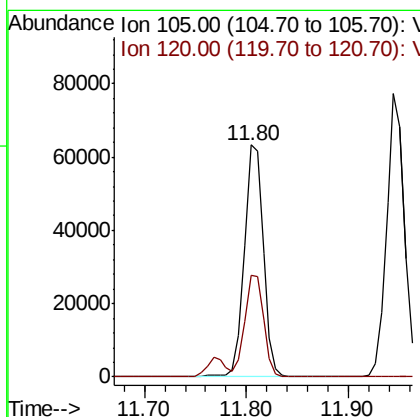
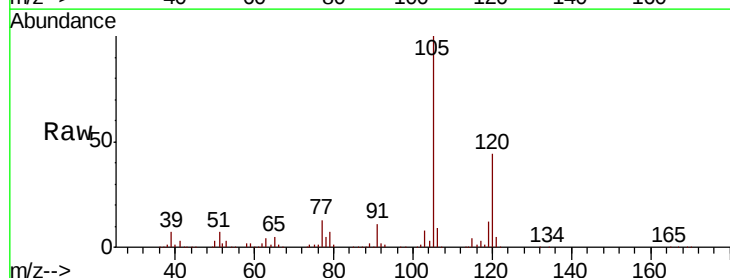
Manual Integrations
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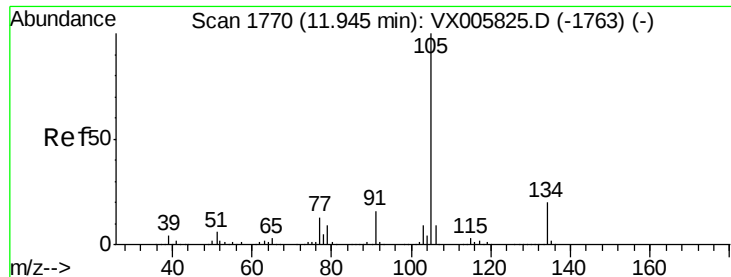
MMDadoda
11/9/2018 11:37:19 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.802 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.4	67.0





#85

sec-Butylbenzene

Concen: 20.507 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

Instrument :

MSVOA_X

ClientSampleId :

VX1108WBSD02

Tot Ion:105 Resp: 94684

Ion Ratio Lower Upper

105 100

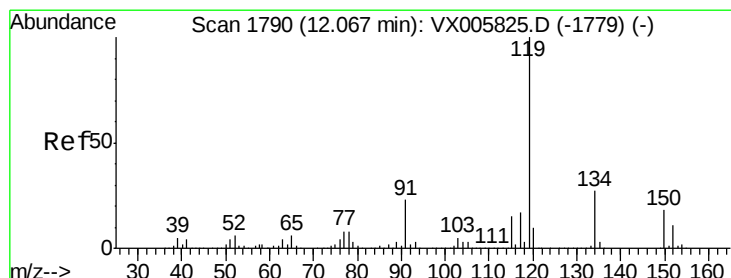
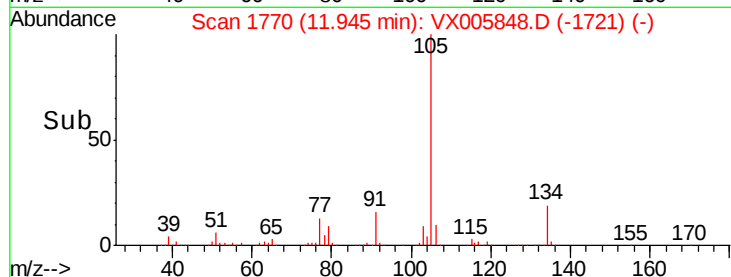
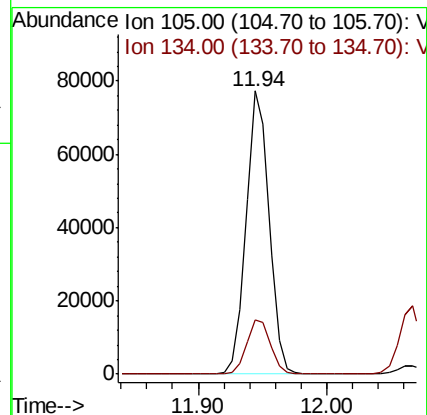
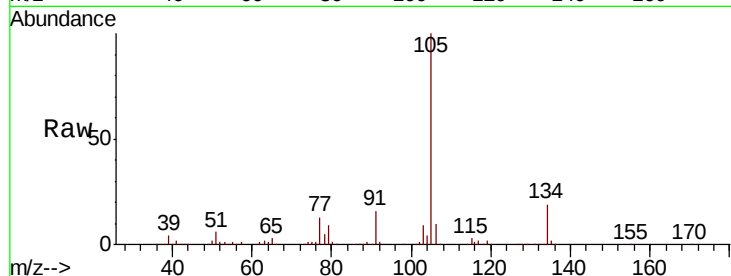
134 19.8 10.2 30.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.467 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

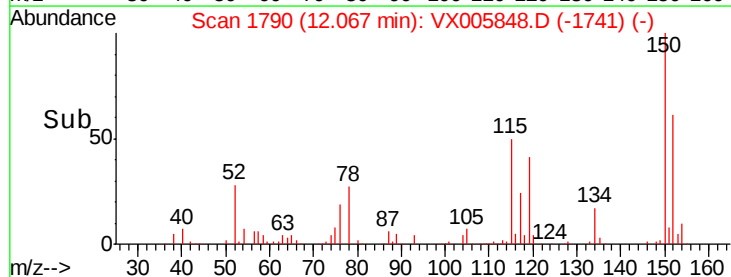
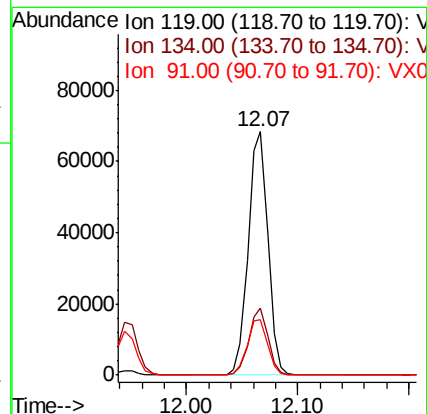
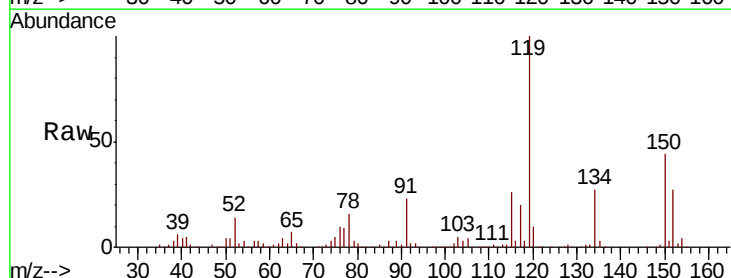
Tgt Ion:119 Resp: 83708

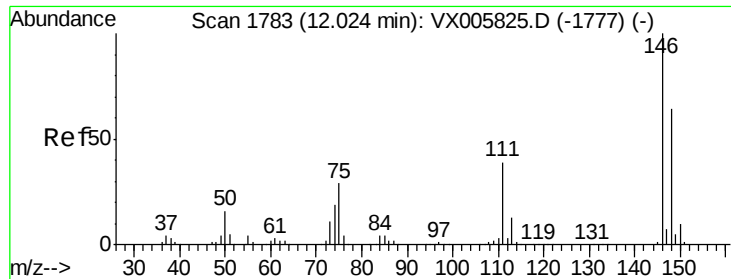
Ion Ratio Lower Upper

119 100

134 26.4 13.0 39.0

91 23.8 11.4 34.2





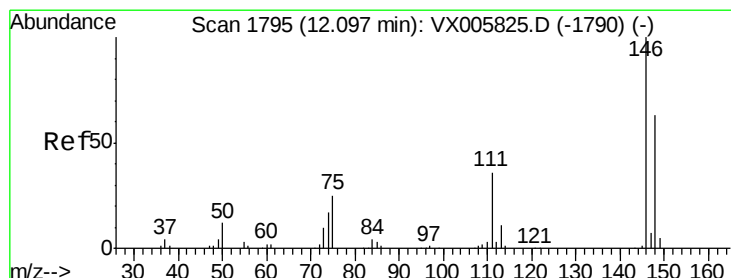
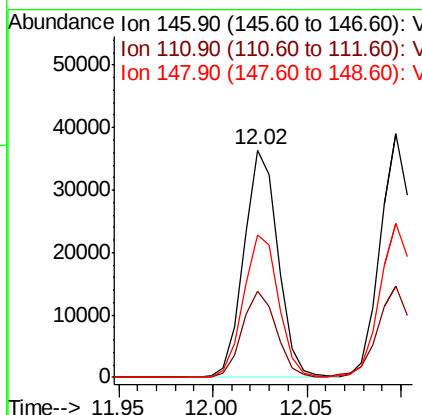
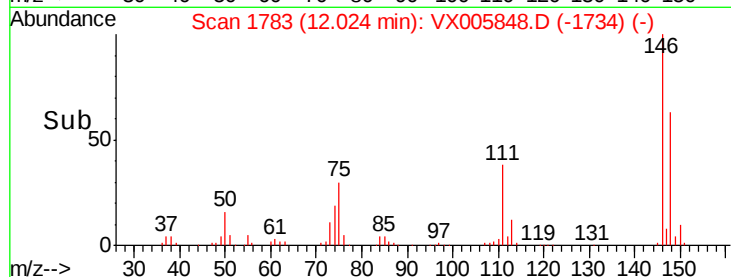
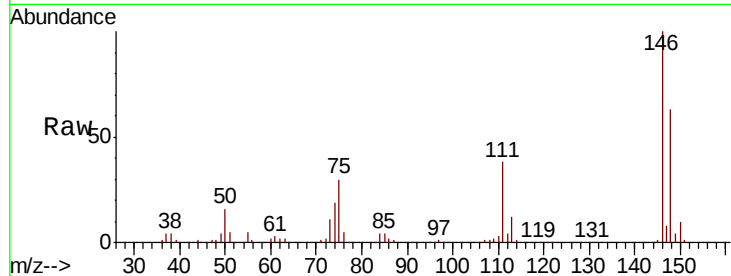
#87
 1,3-Dichlorobenzene
 Concen: 19.184 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005848.D
 Acq: 08 Nov 2018 15:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.0	57.0
148	64.4	31.9	95.9

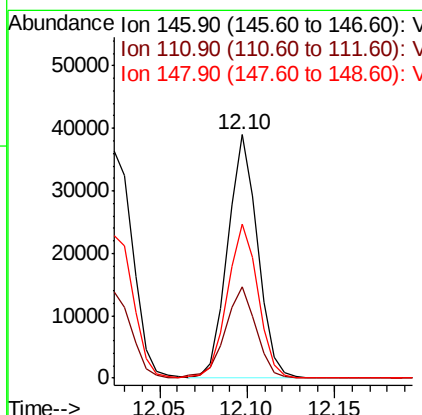
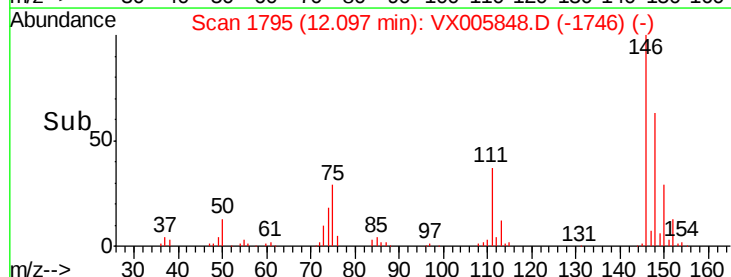
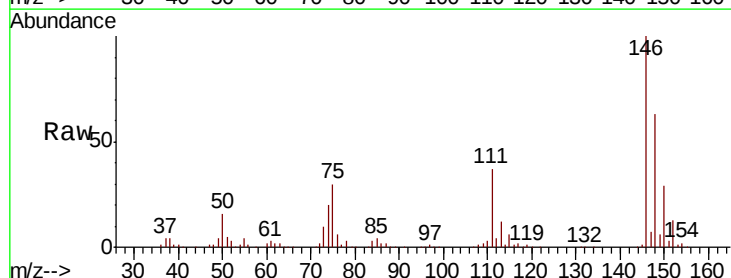
Manual Integrations
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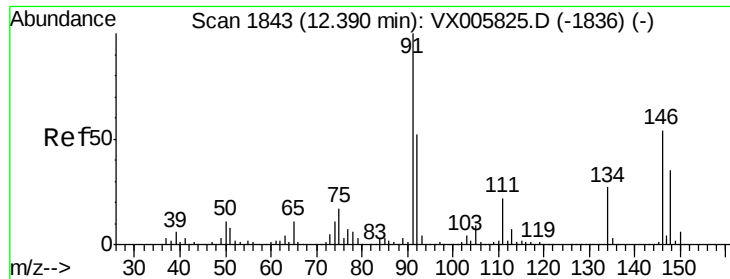
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 11/9/2018 11:37:19 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.029 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005848.D
 Acq: 08 Nov 2018 15:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.6	55.8
148	65.1	32.1	96.3





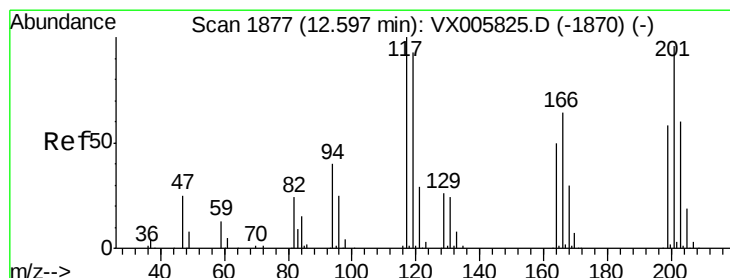
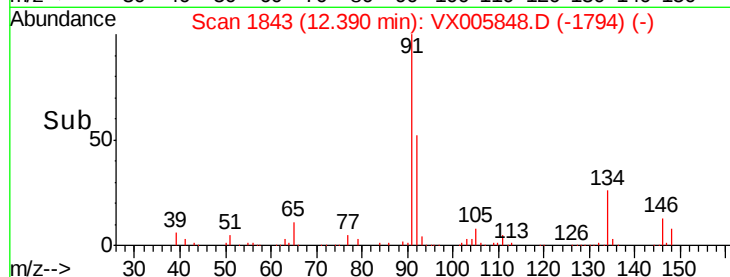
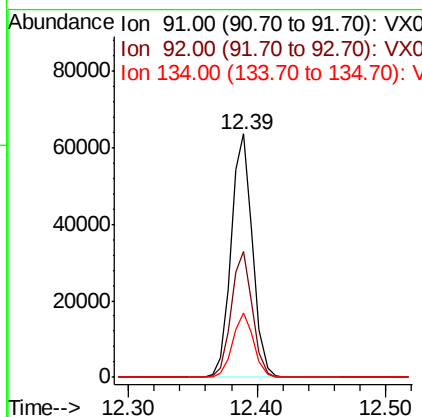
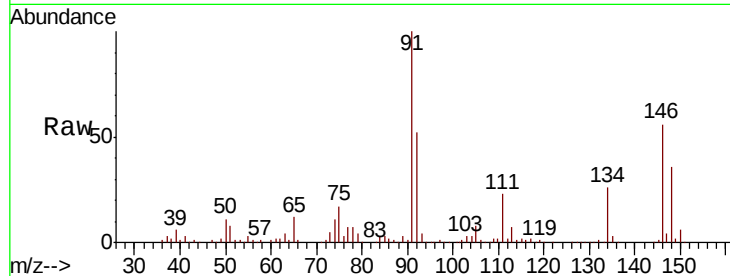
#89
n-Butylbenzene
Concen: 19.543 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Instrument :
MSVOA_X
ClientSampled :
VX1108WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.1	78.2
134	25.7	13.1	39.3

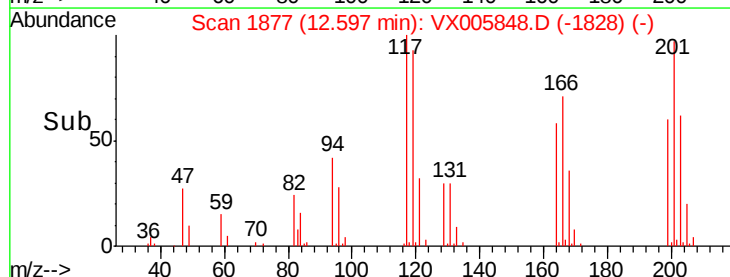
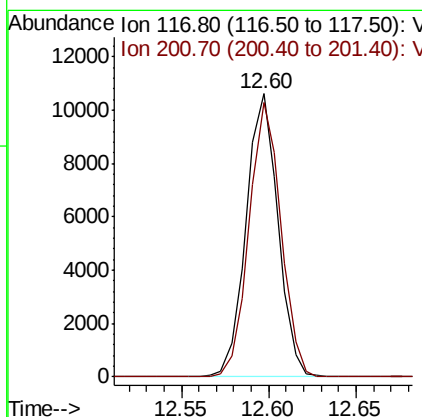
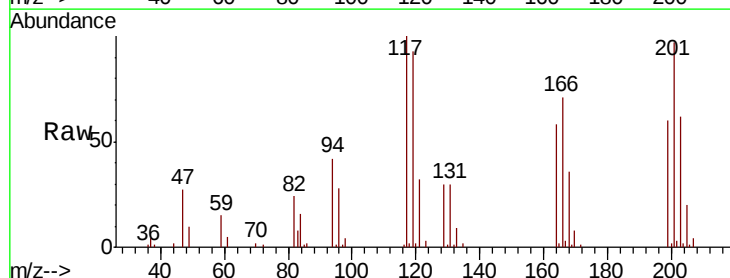
Manual Integrations
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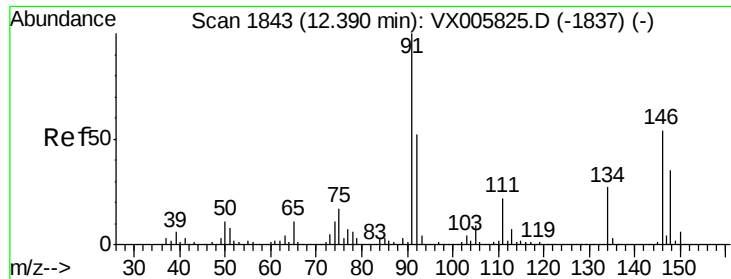
MMDadoda
11/9/2018 11:37:19 AM



#90
Hexachloroethane
Concen: 19.654 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005848.D
Acq: 08 Nov 2018 15:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.9	47.9	143.6





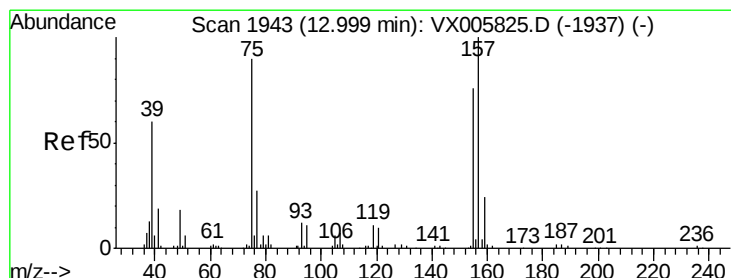
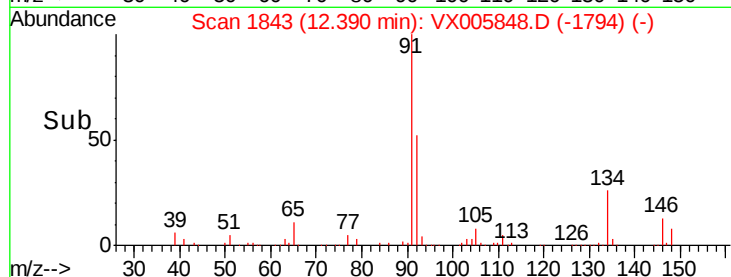
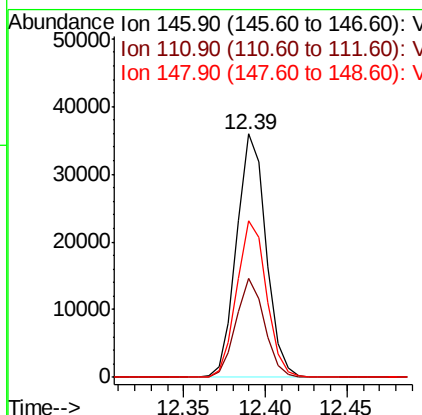
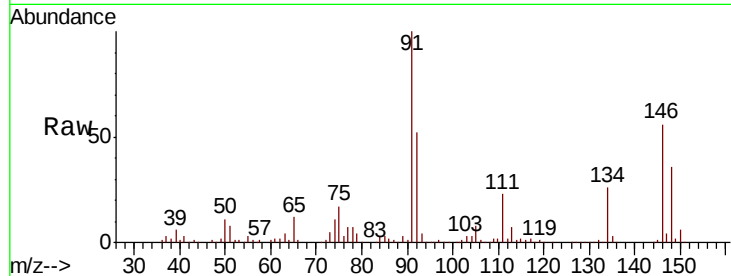
#91
 1,2-Dichlorobenzene
 Concen: 19.079 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005848.D
 Acq: 08 Nov 2018 15:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.0	59.9
148	64.6	32.2	96.6

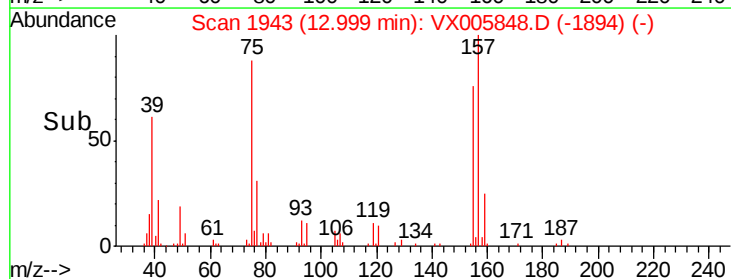
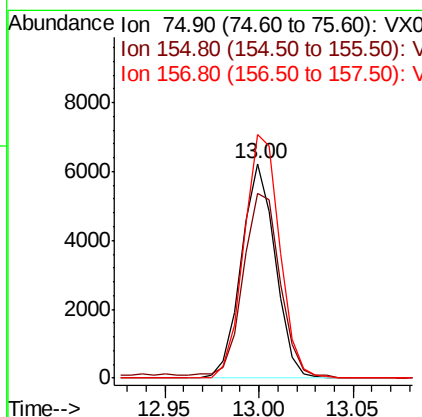
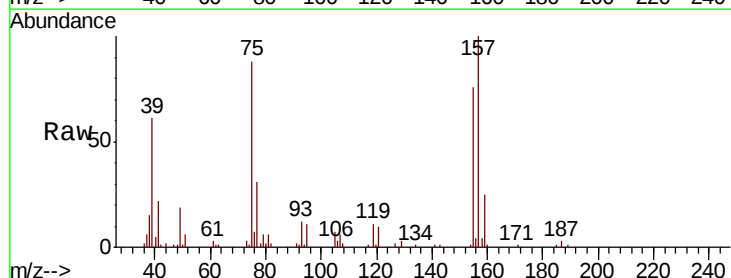
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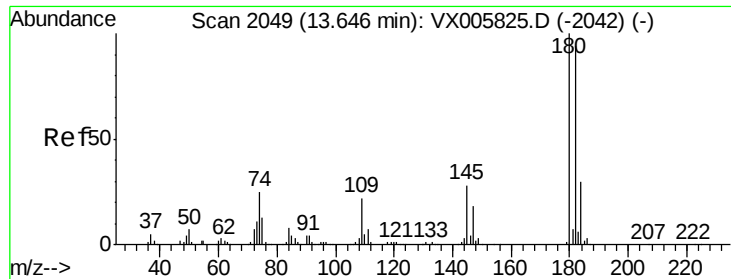
MMDadoda
 11/9/2018 11:37:19 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.734 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005848.D
 Acq: 08 Nov 2018 15:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.9	45.4	136.1
157	119.4	57.4	172.0





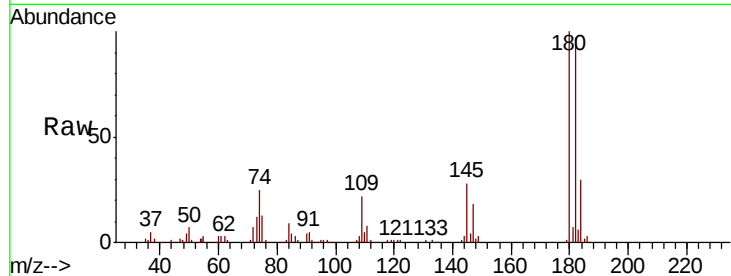
#93
 1,2,4-Trichlorobenzene
 Concen: 19.968 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005848.D
 Acq: 08 Nov 2018 15:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1108WBSD02

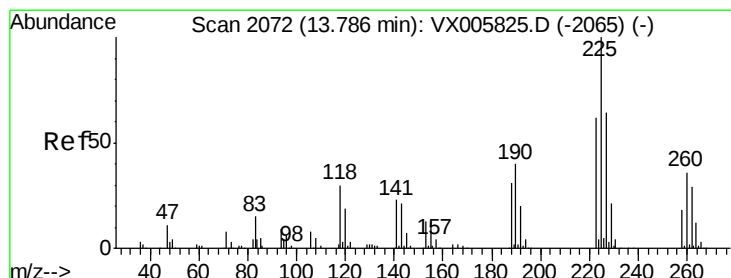
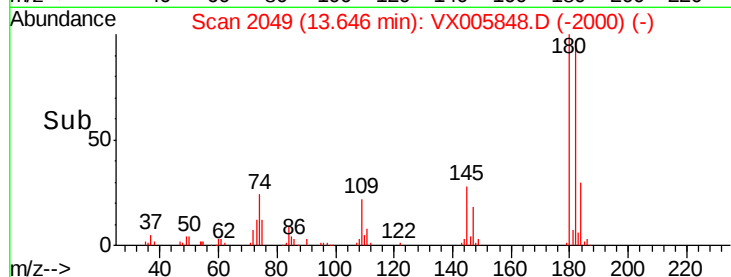
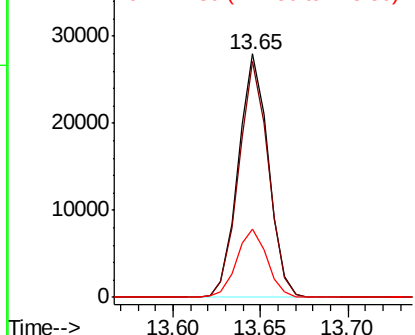
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.8	47.6	142.8	
145	28.4	14.1	42.2	

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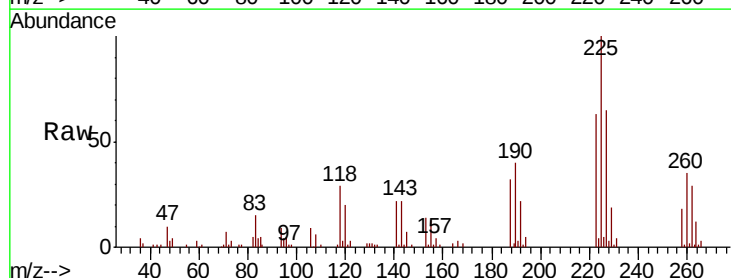


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

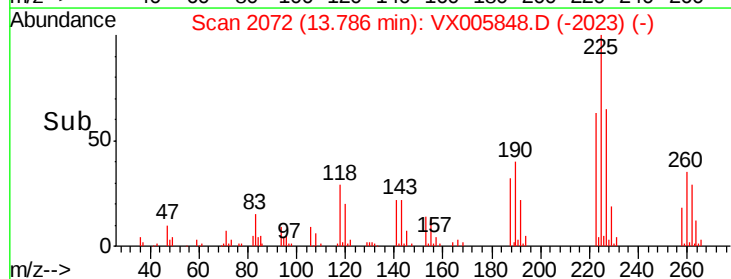
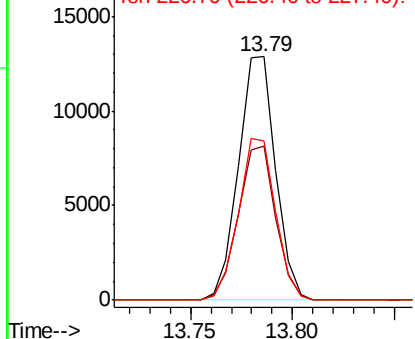


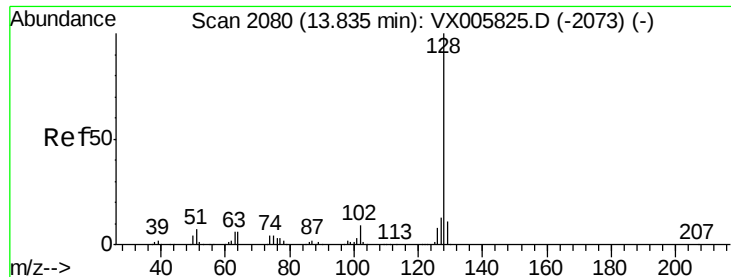
#94
 Hexachlorobutadiene
 Concen: 18.506 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005848.D
 Acq: 08 Nov 2018 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.6	31.7	95.1	
227	65.9	32.3	96.9	



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





#95

Naphthalene

Concen: 19.615 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

Instrument :

MSVOA_X

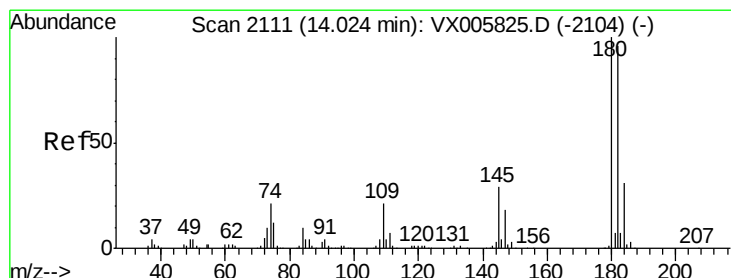
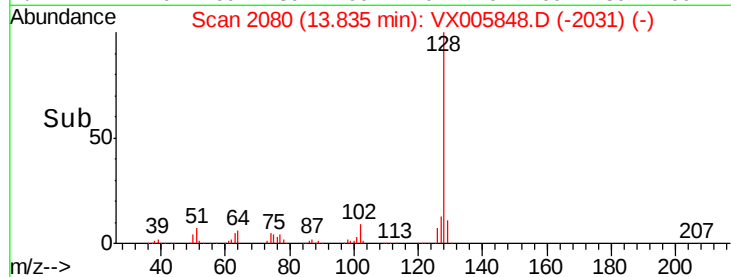
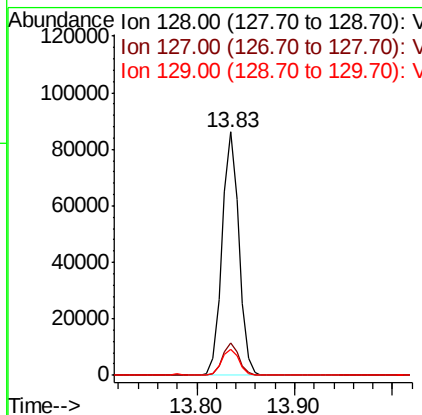
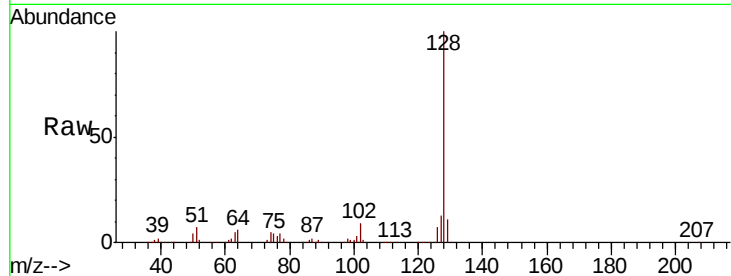
ClientSampleId :

VX1108WBSD02

Tot Ion:	128	Resp:	103170
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	11.0	8.7	13.1

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#96

1,2,3-Trichlorobenzene

Concen: 20.280 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX005848.D

Acq: 08 Nov 2018 15:56

Tgt Ion:	180	Resp:	34616
Ion Ratio	Lower	Upper	
180	100		
182	95.6	48.0	144.2
145	30.4	15.1	45.3

