

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082318\
 Data File : VX004224.D
 Acq On : 23 Aug 2018 14:06
 Operator : JC/MD
 Sample : VX0823WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/24/2018 11:35:28 AM

Quant Time: Aug 24 06:30:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	336050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	493525	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	451973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	272903	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	211563	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
35) Dibromofluoromethane	5.50	113	178721	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
50) Toluene-d8	8.71	98	684718	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	11.14	95	250362	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	81040	20.82	ug/l	95
3) Chloromethane	1.32	50	82581	19.38	ug/l	100
4) Vinyl Chloride	1.40	62	85618	19.44	ug/l	97
5) Bromomethane	1.64	94	49787	21.80	ug/l	94
6) Chloroethane	1.72	64	59145	18.21	ug/l	98
7) Trichlorofluoromethane	1.93	101	118202	19.59	ug/l	92
8) Diethyl Ether	2.18	74	51376	19.88	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	73565	19.47	ug/l	99
10) Methyl Iodide	2.51	142	66609	18.55	ug/l	99
11) Tert butyl alcohol	3.07	59	81149	86.92	ug/l	99
12) 1,1-Dichloroethene	2.37	96	67357	18.92	ug/l	98
13) Acrolein	2.29	56	20141	89.48	ug/l	96
14) Allyl chloride	2.73	41	123059	18.81	ug/l	99
15) Acrylonitrile	3.15	53	212164	91.76	ug/l	99
16) Acetone	2.45	43	170814	90.38	ug/l	100
17) Carbon Disulfide	2.57	76	176989	18.41	ug/l	97
18) Methyl Acetate	2.78	43	128294	19.74	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	235020	20.03	ug/l	99
20) Methylene Chloride	2.85	84	79512	18.86	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	75073	19.05	ug/l	100
22) Diisopropyl ether	3.87	45	235247	19.26	ug/l	99
23) Vinyl Acetate	3.82	43	933063	94.27	ug/l	99
24) 1,1-Dichloroethane	3.70	63	136035	19.11	ug/l	99
25) 2-Butanone	4.70	43	267480	89.31	ug/l	100
26) 2,2-Dichloropropane	4.59	77	98501	17.65	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	83410	18.66	ug/l	99
28) Bromochloromethane	5.02	49	61244	19.44	ug/l	99
29) Tetrahydrofuran	5.16	42	172649	91.74	ug/l	99
30) Chloroform	5.21	83	134842	18.90	ug/l	99
31) Cyclohexane	5.57	56	120747	19.66	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	115027	19.33	ug/l	100
36) 1,1-Dichloropropene	5.79	75	102324	18.44	ug/l	99
37) Ethyl Acetate	4.86	43	102310	18.75	ug/l	100
38) Carbon Tetrachloride	5.78	117	98730	18.92	ug/l	98

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 Sample : VX0823WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0823WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/24/2018 11:35:28 AM

Quant Time: Aug 24 06:30:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	121689	19.21	ug/l	99
40) Benzene	6.14	78	320955	19.36	ug/l	100
41) Methacrylonitrile	5.06	41	58750	18.57	ug/l	99
42) 1,2-Dichloroethane	6.20	62	108274	19.15	ug/l	100
43) Isopropyl Acetate	6.46	43	159676	19.04	ug/l	100
44) Trichloroethene	7.21	130	85632	18.66	ug/l	95
45) 1,2-Dichloropropane	7.52	63	80314	19.36	ug/l	100
46) Dibromomethane	7.66	93	52384	18.96	ug/l	99
47) Bromodichloromethane	7.90	83	96260	18.72	ug/l	98
48) Methyl methacrylate	7.78	41	83849	18.69	ug/l	99
49) 1,4-Dioxane	7.76	88	32770	321.70	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	534561	87.75	ug/l	99
52) Toluene	8.79	92	203511	19.61	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	105751	18.62	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	118227	19.12	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	81559	19.47	ug/l	99
56) Ethyl methacrylate	9.18	69	111471	19.55	ug/l	98
57) 1,3-Dichloropropane	9.37	76	136144	19.28	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	299688	102.56	ug/l	100
59) 2-Hexanone	9.50	43	402231	86.54	ug/l	100
60) Dibromochloromethane	9.59	129	74521	18.26	ug/l	98
61) 1,2-Dibromoethane	9.67	107	83957	19.37	ug/l	99
64) Tetrachloroethene	9.34	164	81806	18.32	ug/l	98
65) Chlorobenzene	10.14	112	204980	18.07	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	71831	18.36	ug/l	98
67) Ethyl Benzene	10.25	91	356446	19.35	ug/l	96
68) m/p-Xylenes	10.36	106	278431	38.65	ug/l	99
69) o-Xylene	10.70	106	130763	19.19	ug/l	98
70) Styrene	10.71	104	209485	18.99	ug/l	97
71) Bromoform	10.86	173	54394	17.25	ug/l	99
73) Isopropylbenzene	11.02	105	367379	20.50	ug/l	99
74) N-amyl acetate	10.90	43	136522	19.78	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	121543	19.38	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	108193m	19.49	ug/l	
77) Bromobenzene	11.26	156	101430	20.17	ug/l	99
78) n-propylbenzene	11.36	91	413260	20.05	ug/l	99
79) 2-Chlorotoluene	11.42	91	261639	20.62	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	312780	21.07	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	30227	17.67	ug/l	93
82) 4-Chlorotoluene	11.51	91	292214	19.57	ug/l	99
83) tert-Butylbenzene	11.77	119	308754	20.67	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	322718	21.18	ug/l	98
85) sec-Butylbenzene	11.94	105	369305	20.83	ug/l	100
86) p-Isopropyltoluene	12.07	119	327716	20.62	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	183463	19.38	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	187219	18.76	ug/l	99
89) n-Butylbenzene	12.39	91	250715	19.40	ug/l	97
90) Hexachloroethane	12.60	117	41263	18.58	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	160695	18.57	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19989	18.09	ug/l	98

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Acq On : 23 Aug 2018 14:06
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Sample : VX0823WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBSD01

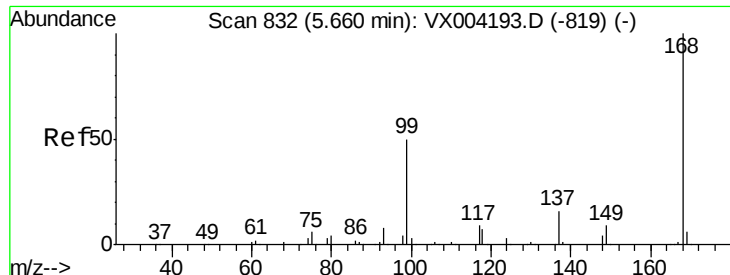
Manual Integrations
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8/24/2018 11:35:28 AM

Quant Time: Aug 24 06:30:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	117301	18.63	ug/l	99
94) Hexachlorobutadiene	13.79	225	56955	19.36	ug/l	95
95) Naphthalene	13.83	128	363602	20.42	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	129306	19.40	ug/l	99

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



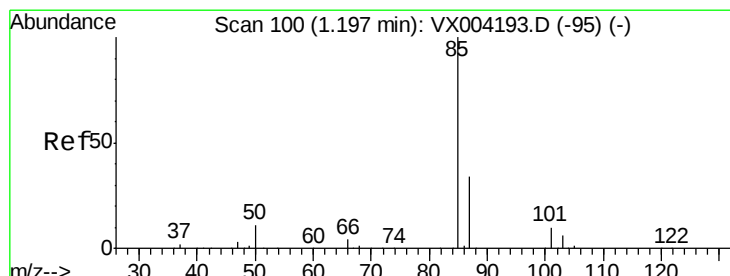
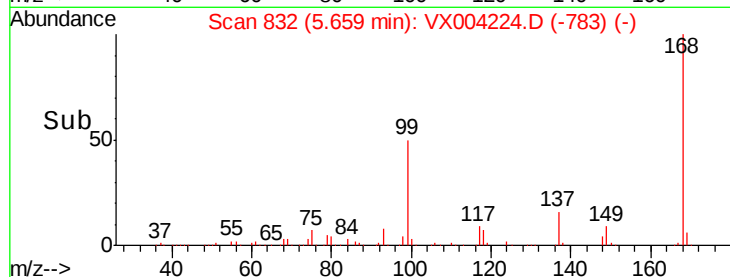
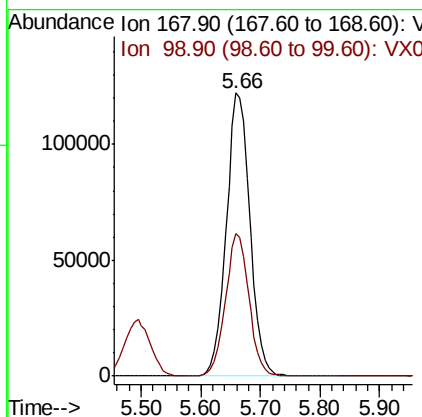
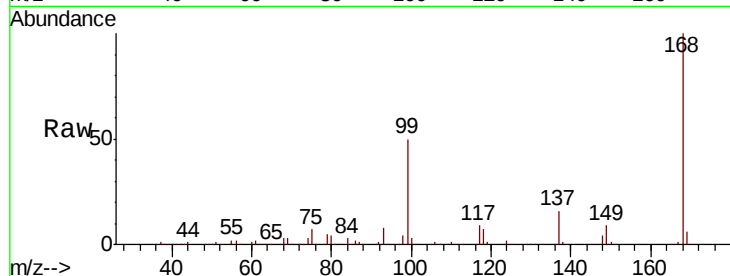
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.66 min Scan# 832
Delta R.T. -0.00 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBSD01

Tot Ion	Ratio	Lower	Upper
168	100		
99	50.3	39.9	59.9

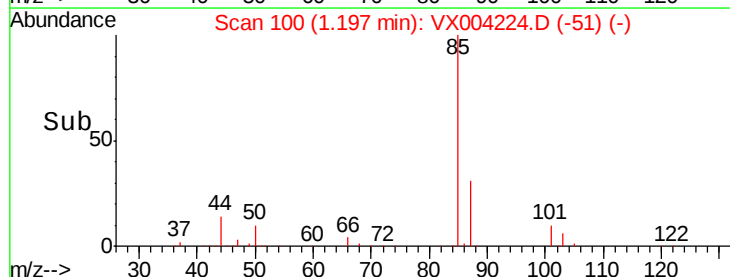
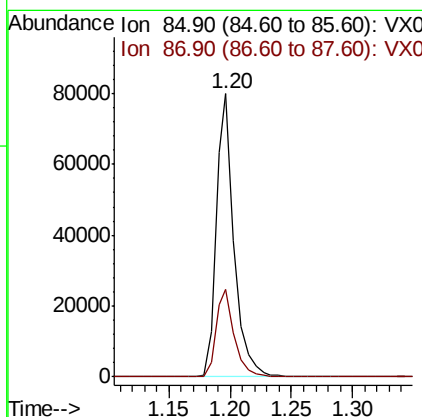
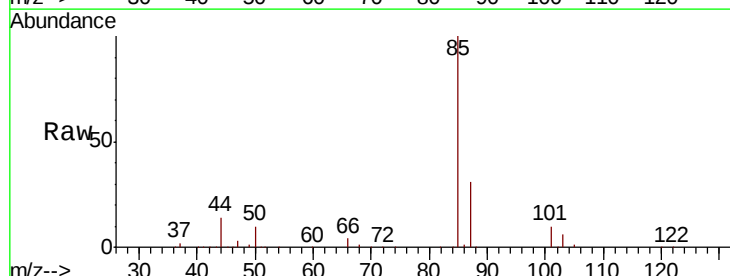
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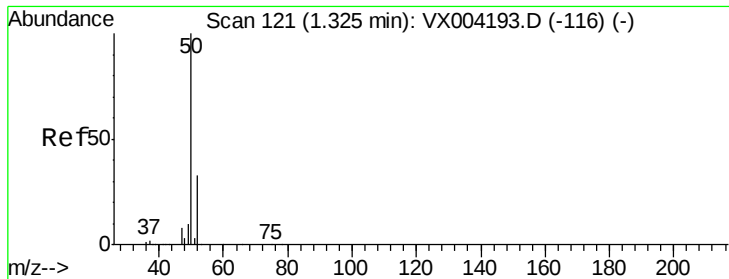
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#2
Dichlorodifluoromethane
Concen: 20.82 ug/l
RT: 1.20 min Scan# 100
Delta R.T. -0.00 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.9	17.0	50.9





#3

Chloromethane

Concen: 19.38 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBSD01

Tot Ion: 50 Resp: 82581

Ion Ratio Lower Upper

50 100

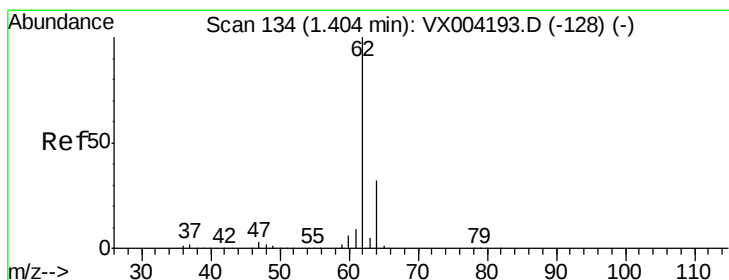
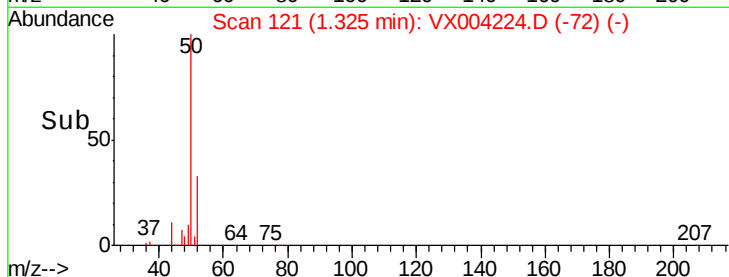
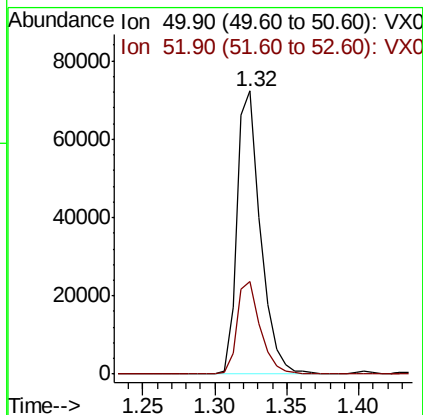
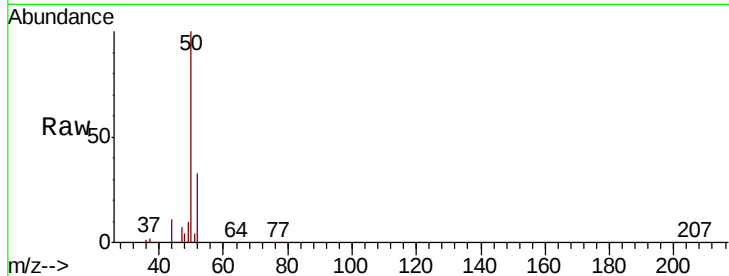
52 32.9 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.44 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004224.D

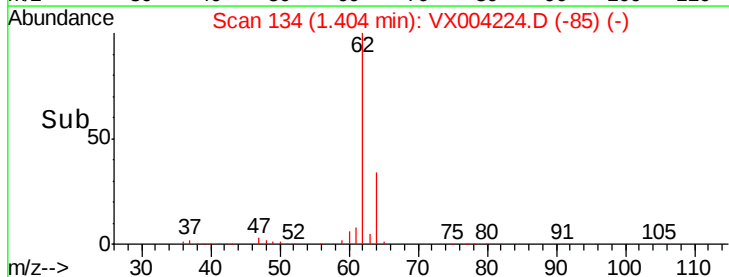
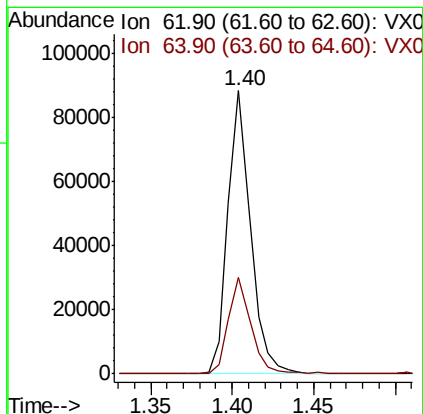
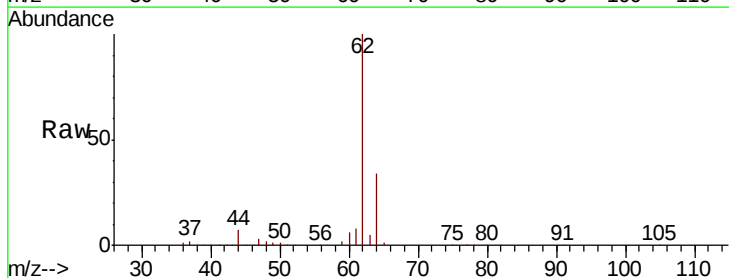
Acq: 23 Aug 2018 14:06

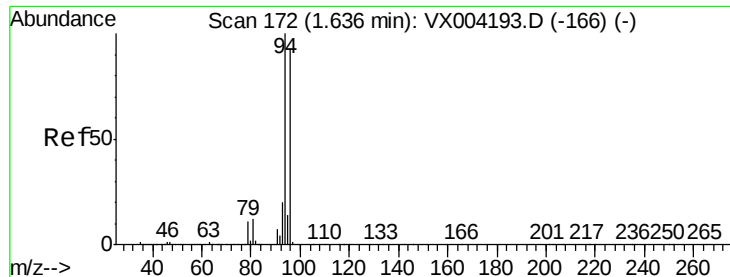
Tgt Ion: 62 Resp: 85618

Ion Ratio Lower Upper

62 100

64 33.8 25.8 38.8





#5

Bromomethane

Concen: 21.80 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBSD01

Tot Ion: 94 Resp: 49787

Ion Ratio Lower Upper

94 100

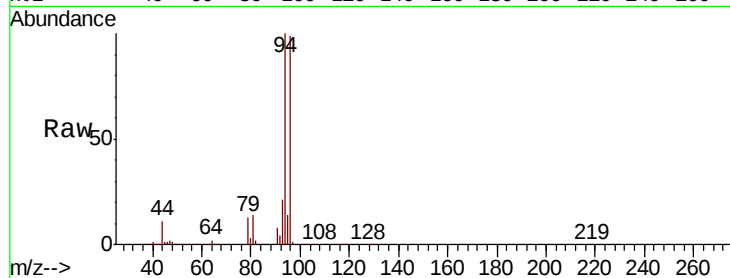
96 99.0 74.5 111.7

Manual Integrations

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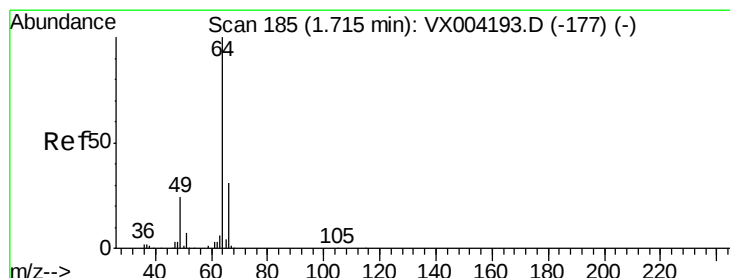
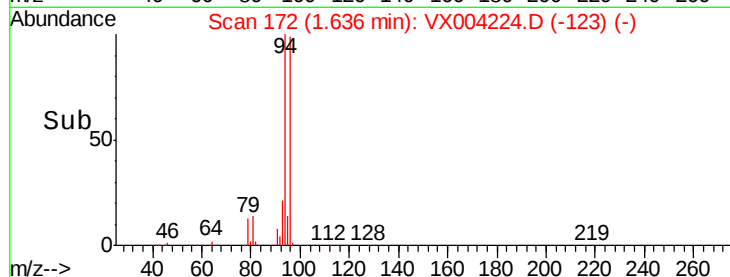
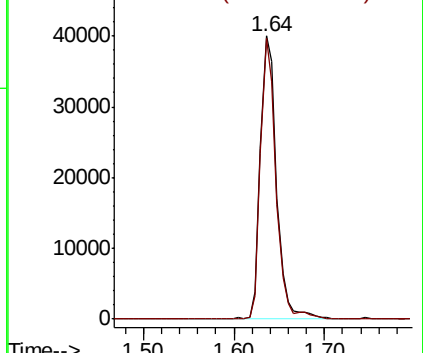
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.21 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX004224.D

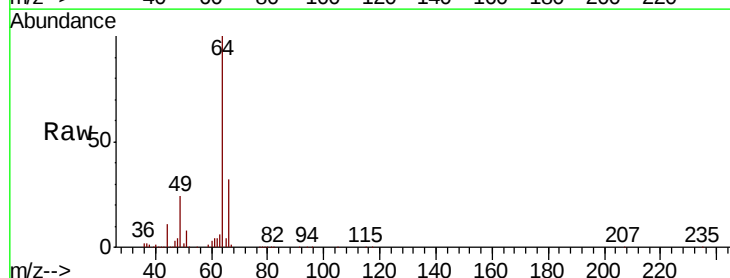
Acq: 23 Aug 2018 14:06

Tgt Ion: 64 Resp: 59145

Ion Ratio Lower Upper

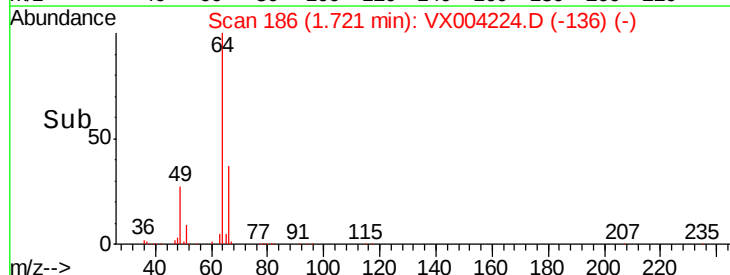
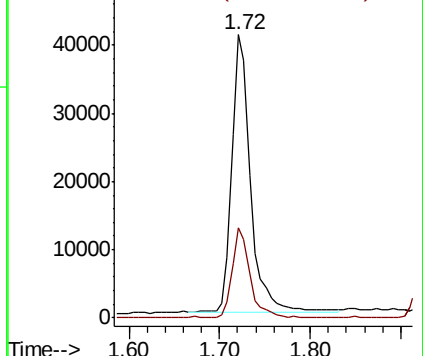
64 100

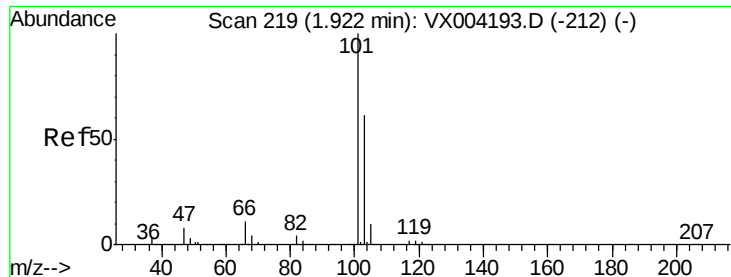
66 32.0 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

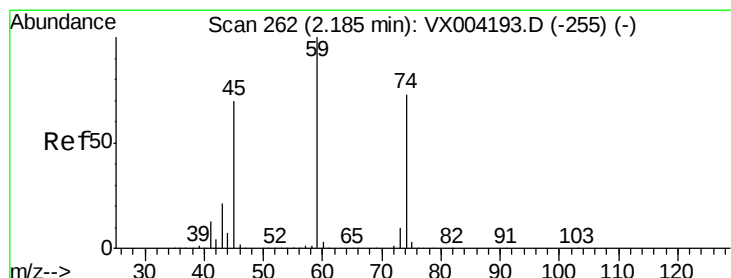
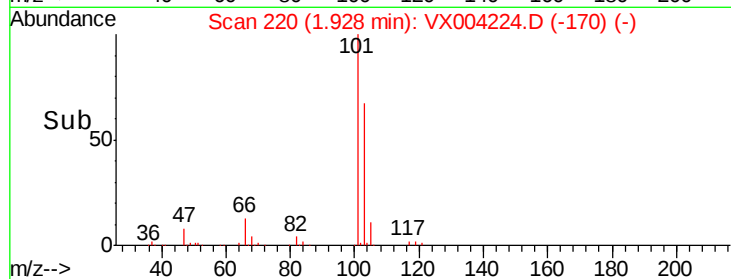
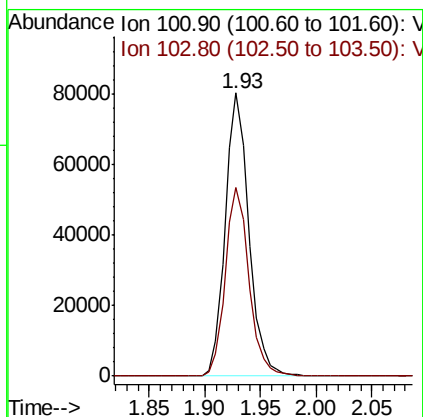
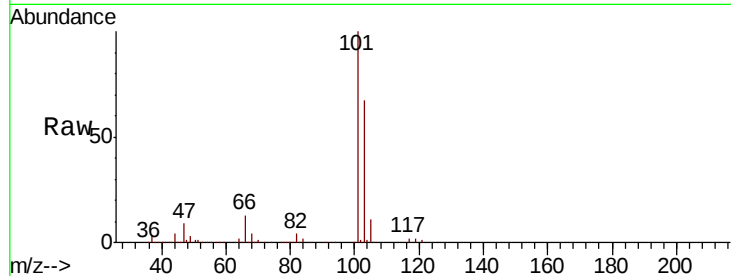
Trichlorofluoromethane
 Concen: 19.59 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX004224.D
 Acq: 23 Aug 2018 14:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	48.9	73.3

Manual Integrations
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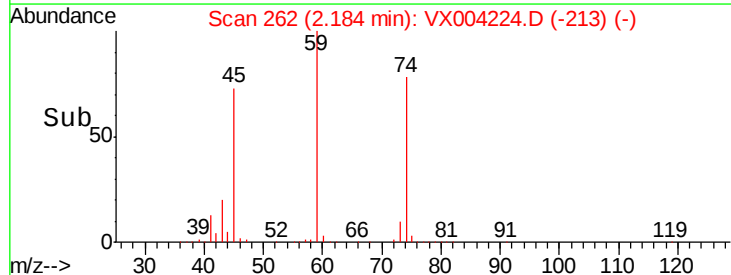
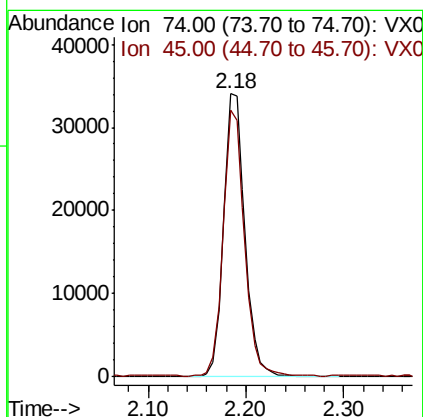
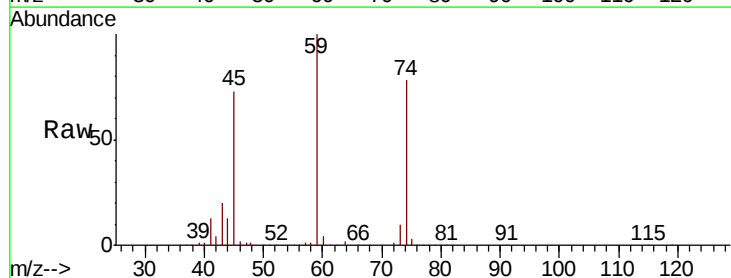
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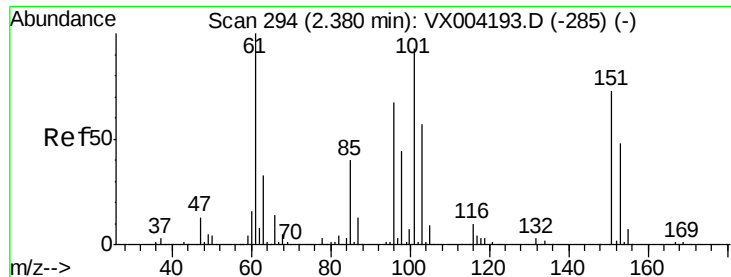


#8

Diethyl Ether
 Concen: 19.88 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004224.D
 Acq: 23 Aug 2018 14:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.3	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.47 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Instrument :

MSVOA_X

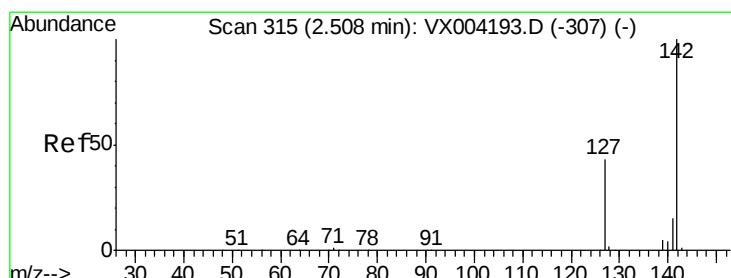
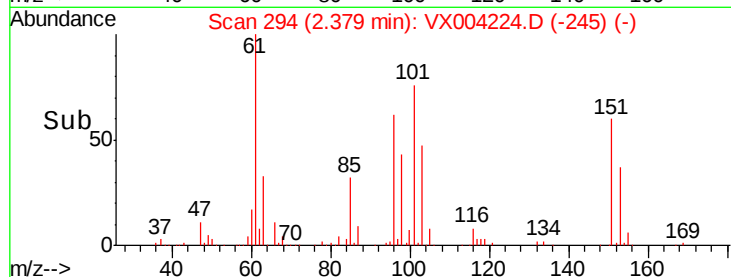
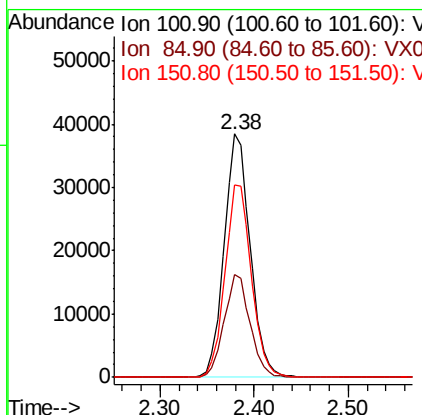
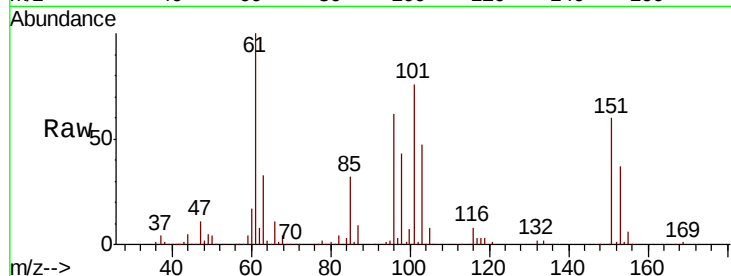
ClientSampleId :

VX0823WBSD01

Tot Ion:	101	Resp:	73565
Ion Ratio	Lower	Upper	
101	100		
85	42.0	34.2	51.4
151	80.4	65.0	97.6

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#10

Methyl Iodide

Concen: 18.55 ug/l

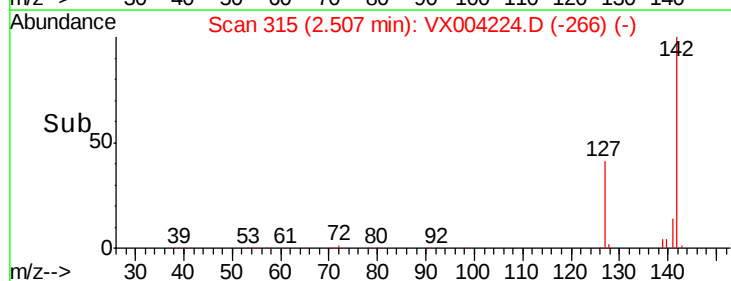
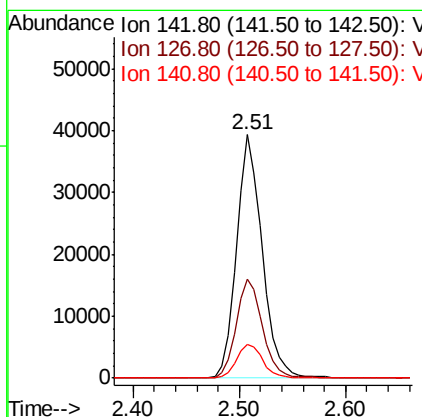
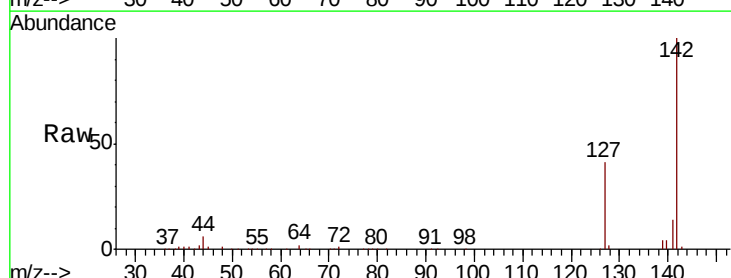
RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Tgt Ion:	142	Resp:	66609
Ion Ratio	Lower	Upper	
142	100		
127	41.5	33.8	50.6
141	14.3	11.4	17.0





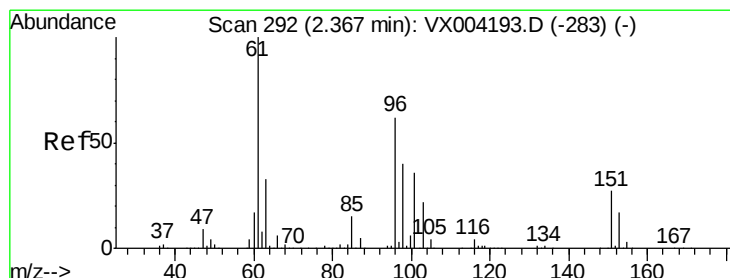
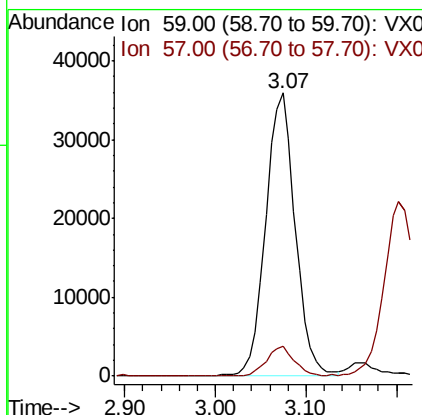
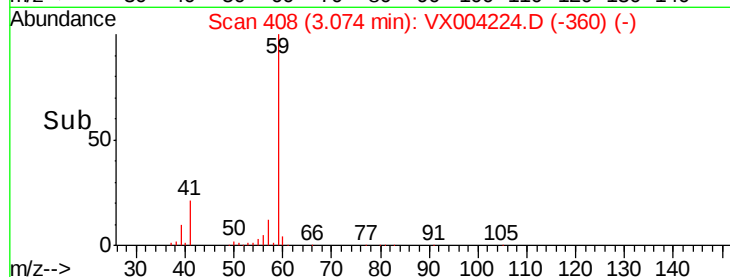
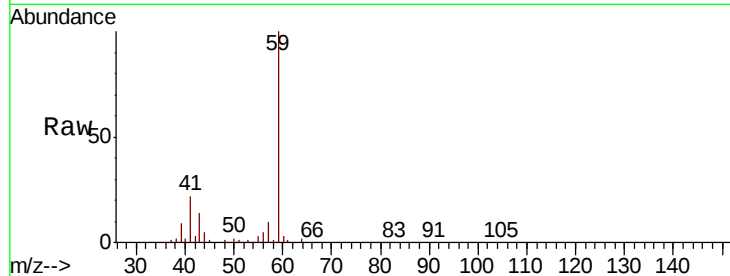
#11
Tert butyl alcohol
Concen: 86.92 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.4

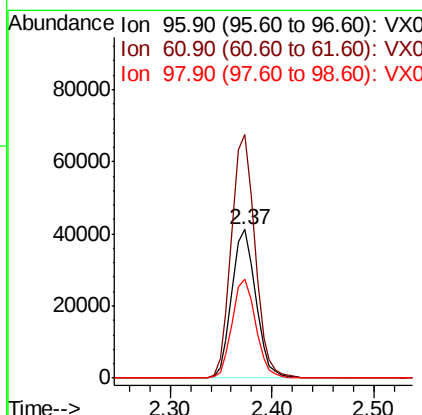
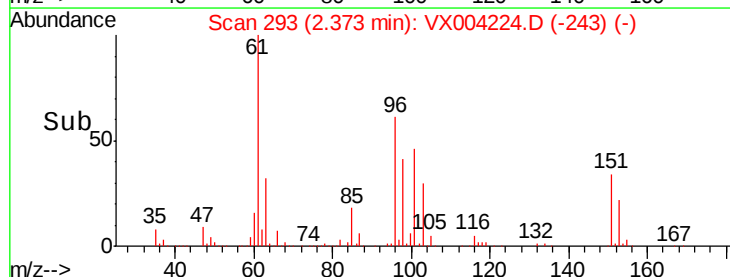
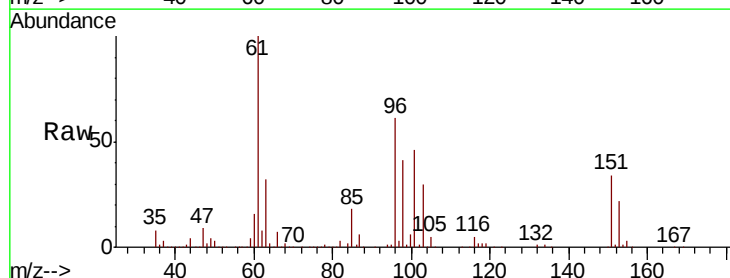
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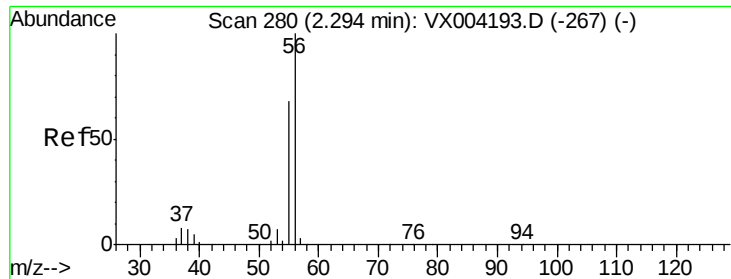
MMDadoda
8/24/2018 11:35:28 AM



#12
1,1-Dichloroethene
Concen: 18.92 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.6	128.8	193.2
98	66.6	52.2	78.2





#13

Acrolein

Concen: 89.48 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBSD01

Tot Ion: 56 Resp: 20141

Ion Ratio Lower Upper

56 100

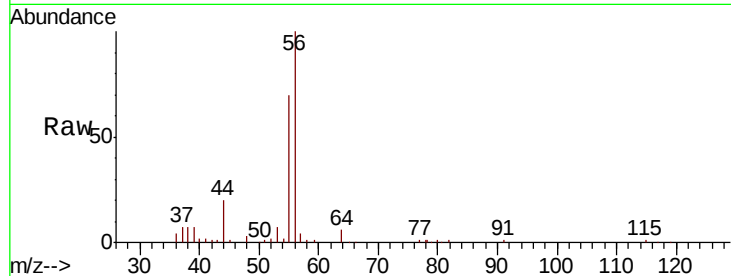
55 72.0 54.7 82.1

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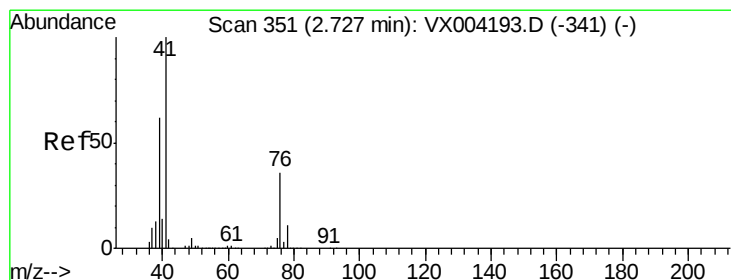
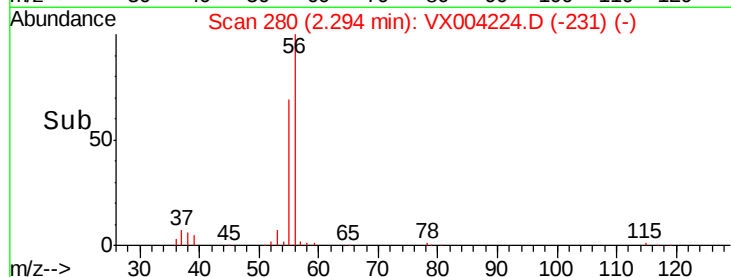
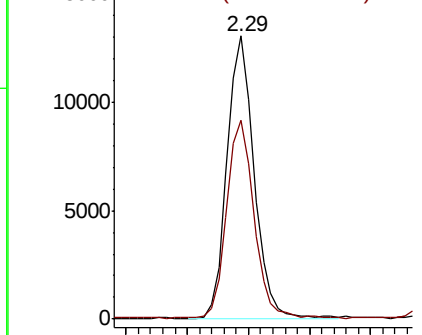
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.81 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

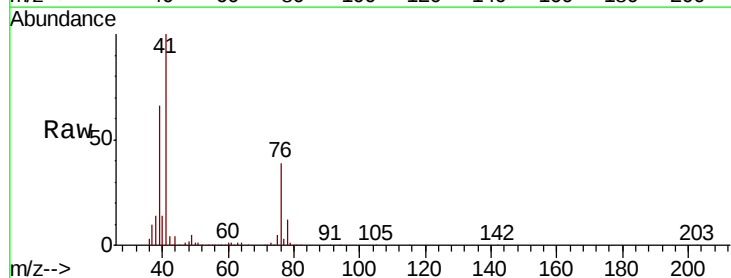
Tgt Ion: 41 Resp: 123059

Ion Ratio Lower Upper

41 100

39 61.4 48.9 73.3

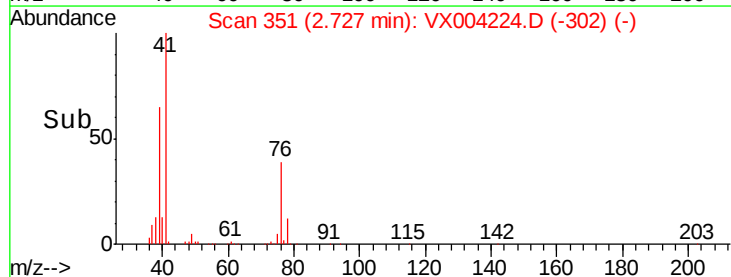
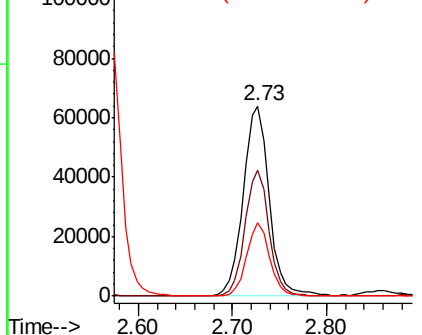
76 34.8 26.7 40.1



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: 91.76 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Instrument :

MSVOA_X

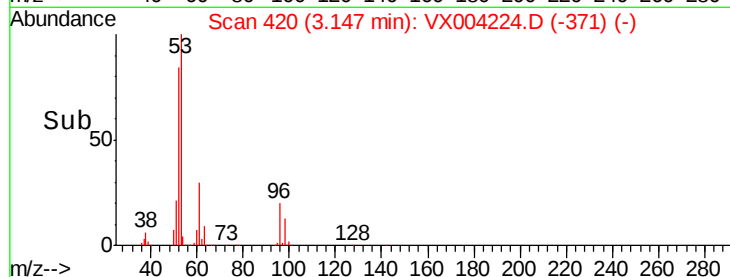
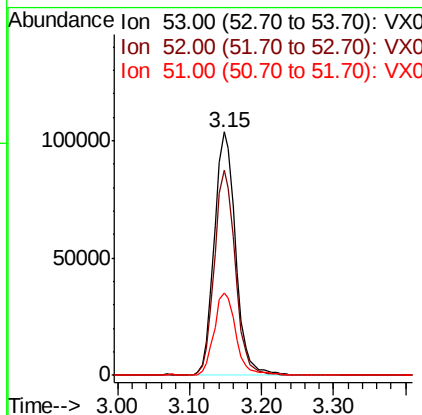
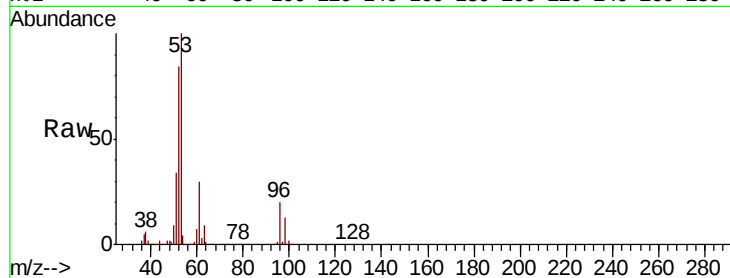
ClientSampleId :

VX0823WBSD01

Tot Ion:	53	Resp:	212164
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.2	97.8
51	34.5	28.2	42.2

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#16

Acetone

Concen: 90.38 ug/l

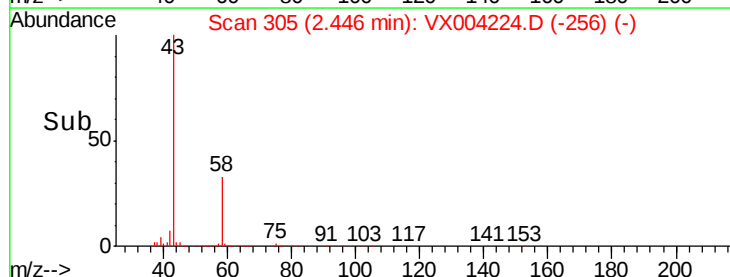
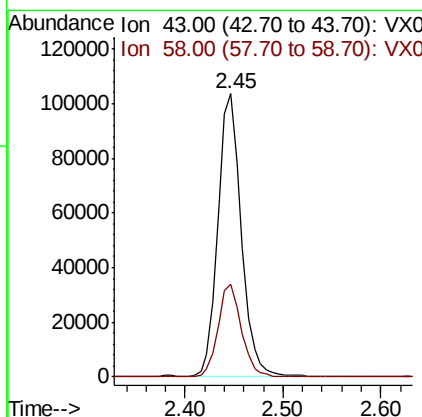
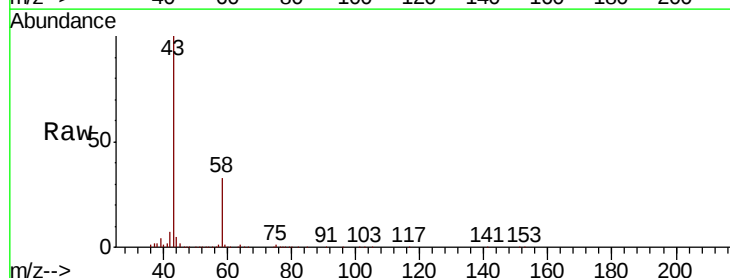
RT: 2.45 min Scan# 305

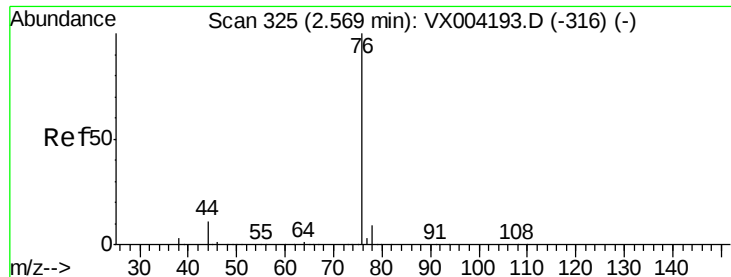
Delta R.T. 0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Tgt Ion:	43	Resp:	170814
Ion	Ratio	Lower	Upper
43	100		
58	32.9	26.2	39.4





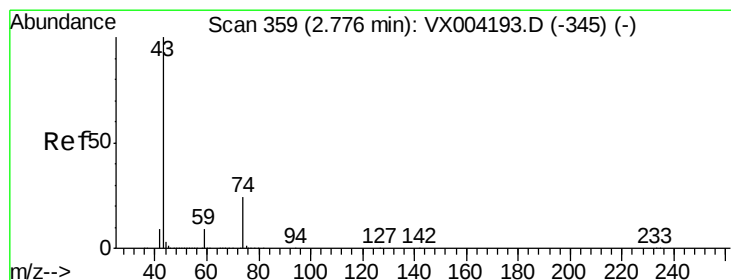
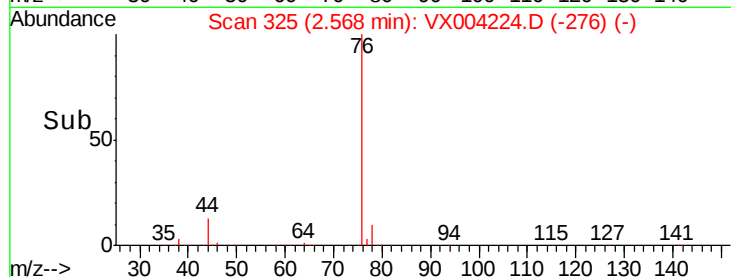
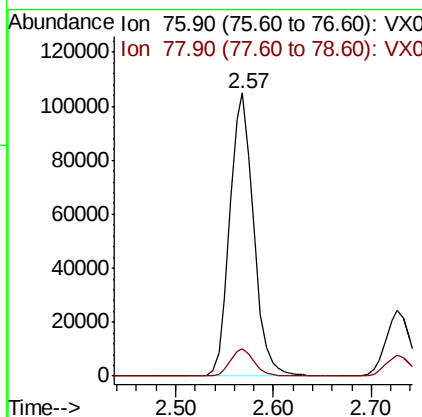
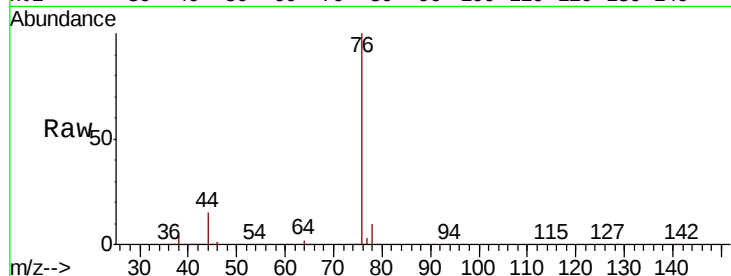
#17
Carbon Disulfide
Concen: 18.41 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.0	10.6

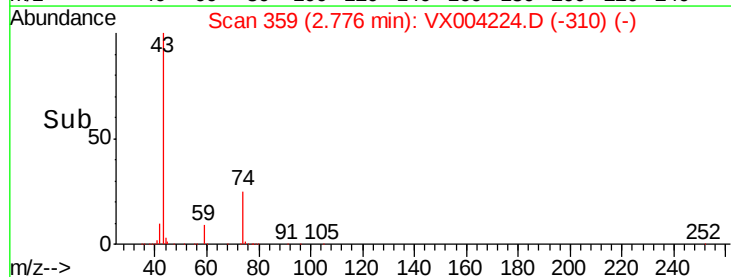
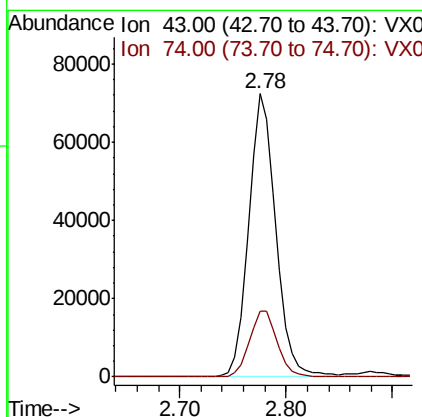
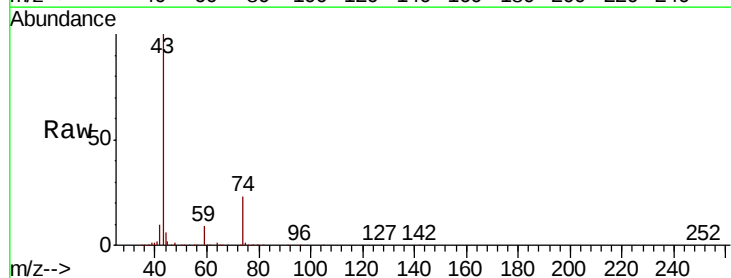
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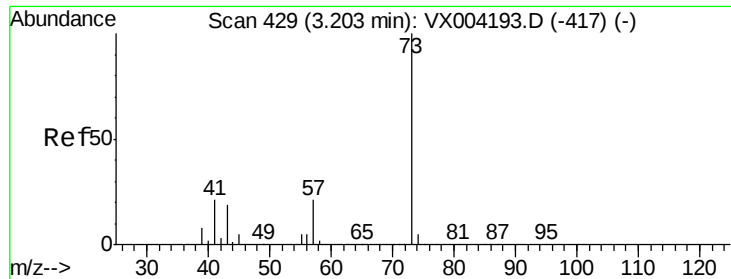
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#18
Methyl Acetate
Concen: 19.74 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.00 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.4	29.2





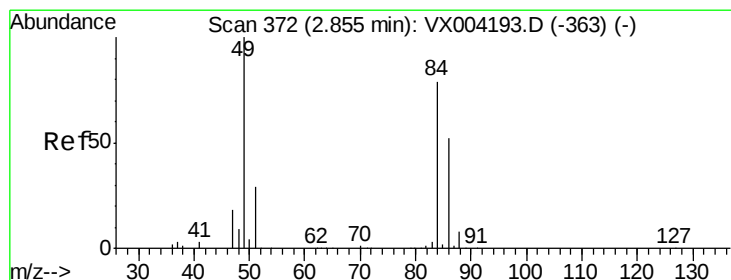
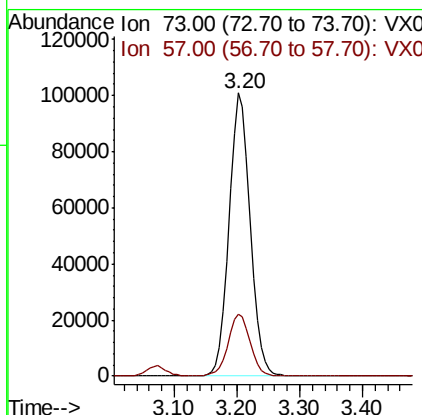
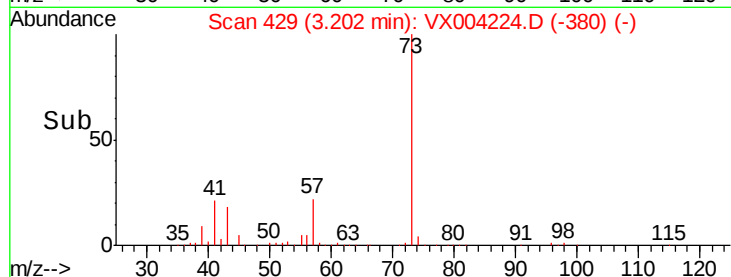
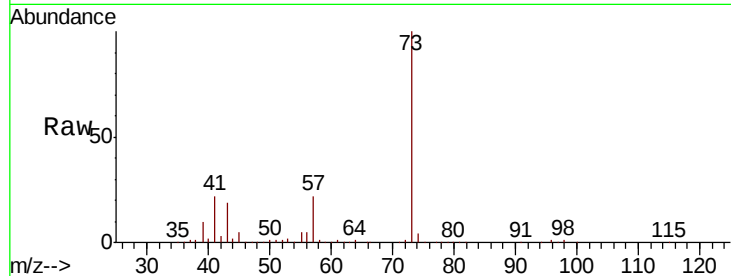
#19
Methvl tert-butvl Ether
Concen: 20.03 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.00 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBSD01

Tot Ion: 73 Resp: 235020
Ion Ratio Lower Upper
73 100
57 21.9 17.1 25.7

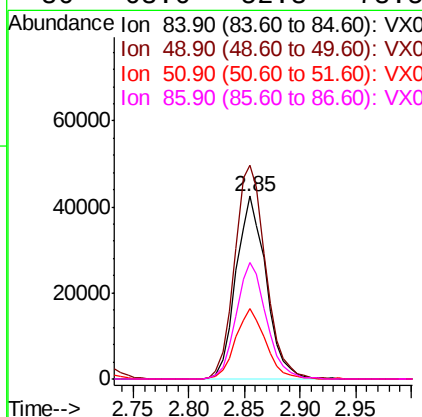
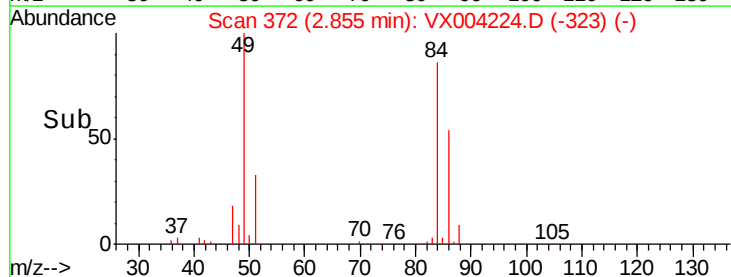
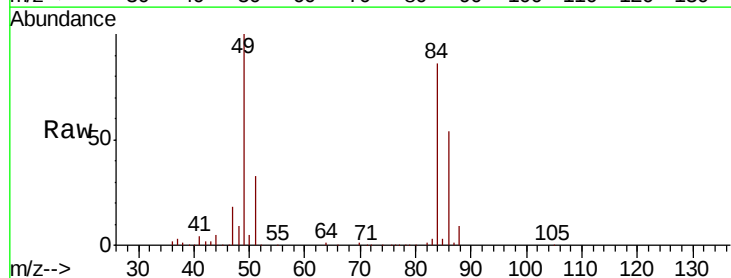
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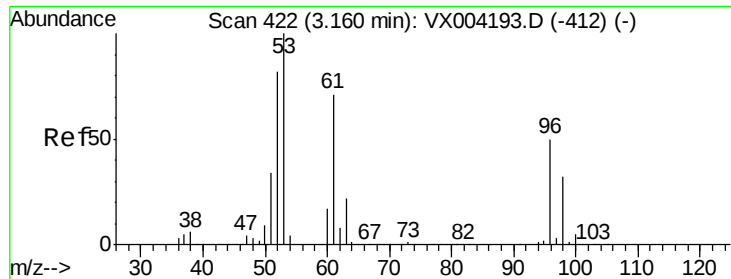
MMDadoda
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#20
Methylene Chloride
Concen: 18.86 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Tgt Ion: 84 Resp: 79512
Ion Ratio Lower Upper
84 100
49 116.9 101.2 151.8
51 38.3 29.5 44.3
86 63.6 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 19.05 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBSD01

Tot Ion: 96 Resp: 75073

Ion Ratio Lower Upper

96 100

61 142.3 113.8 170.6

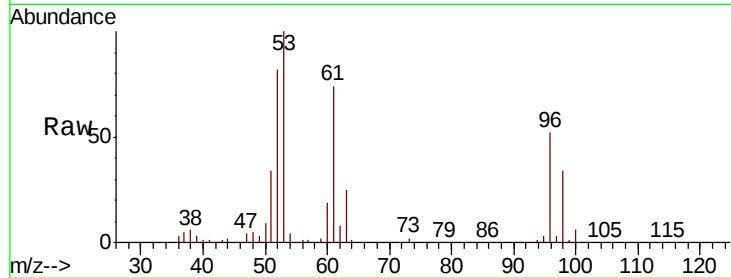
98 65.1 51.8 77.8

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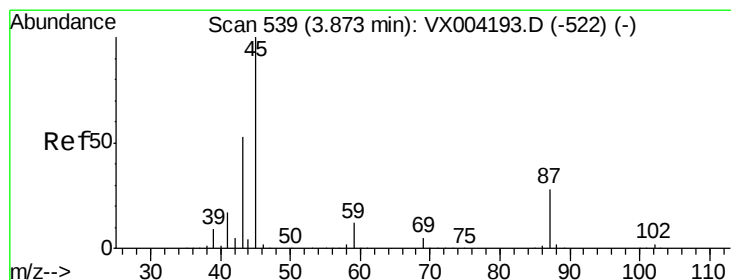
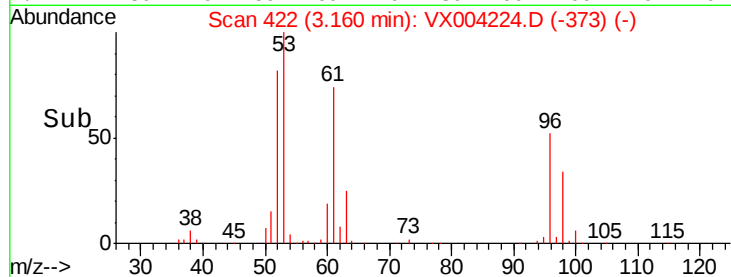
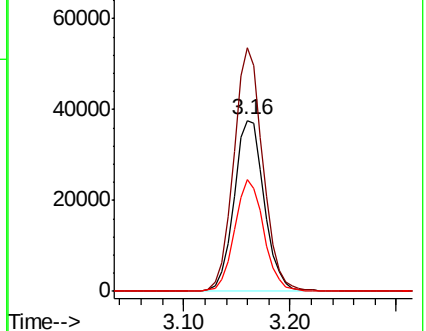
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.26 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Tgt Ion: 45 Resp: 235247

Ion Ratio Lower Upper

45 100

43 54.2 42.8 64.2

87 29.0 22.6 34.0

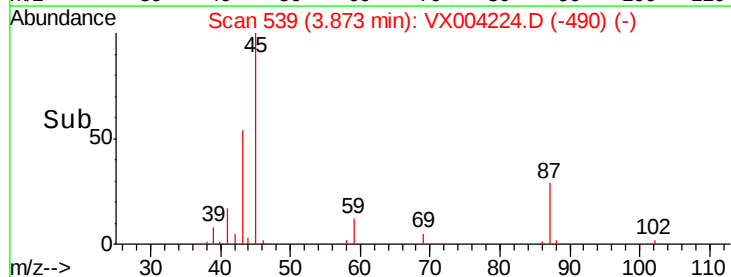
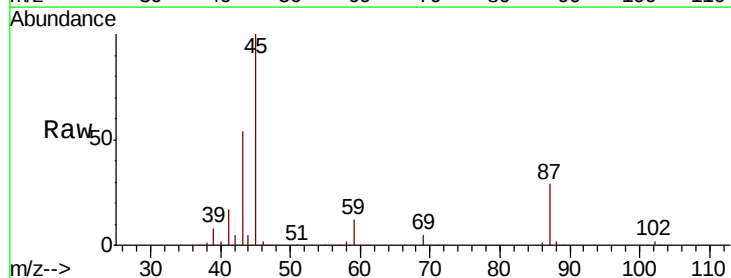
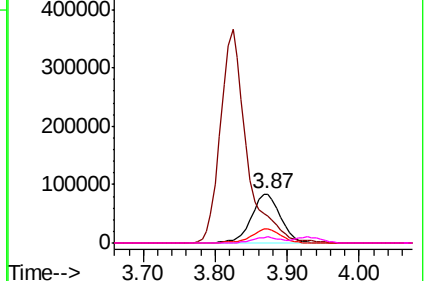
59 12.4 9.6 14.4

Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 94.27 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBSD01

Tot Ion: 43 Resp: 933063

Ion Ratio Lower Upper

43 100

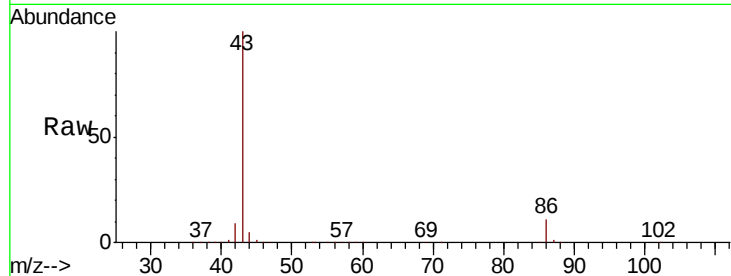
86 11.4 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

400000

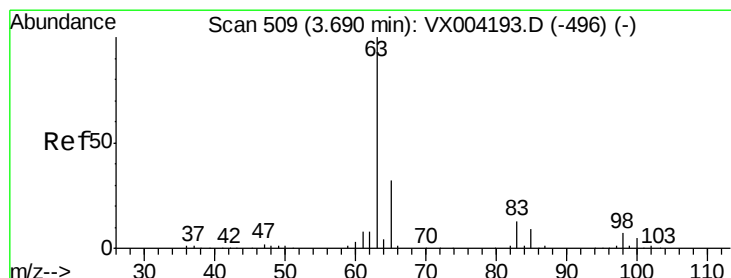
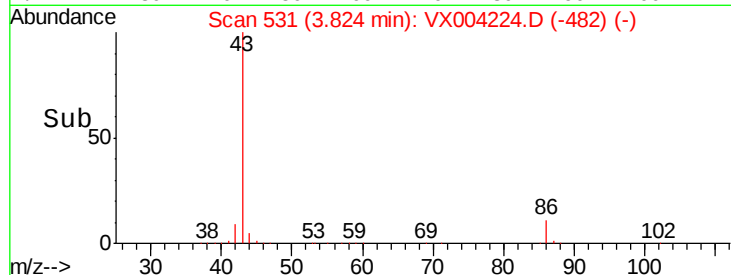
300000

200000

100000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 19.11 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.01 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

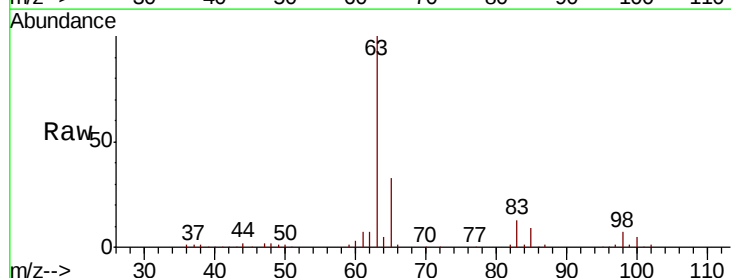
Tgt Ion: 63 Resp: 136035

Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.4

100 4.8 2.4 7.1



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

3.70

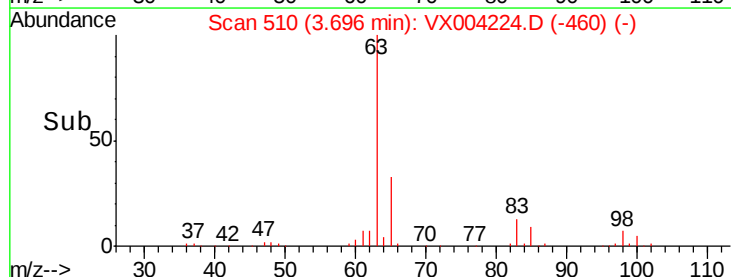
60000

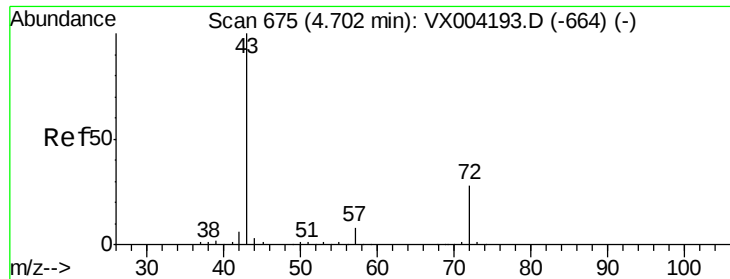
40000

20000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 89.31 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBSD01

Tot Ion: 43 Resp: 267480

Ion Ratio Lower Upper

43 100

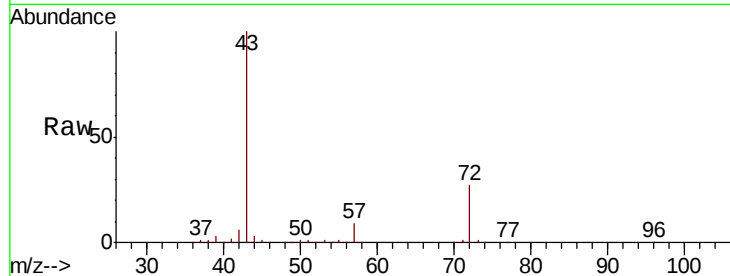
72 27.3 22.0 33.0

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

100000

80000

60000

40000

20000

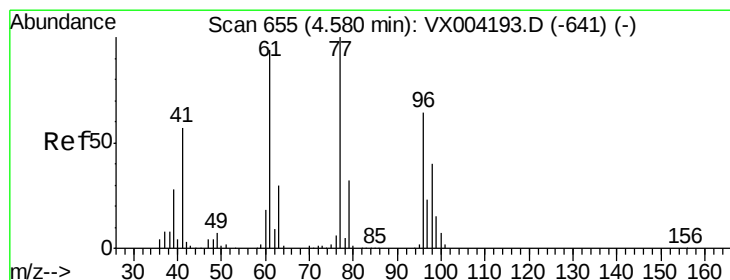
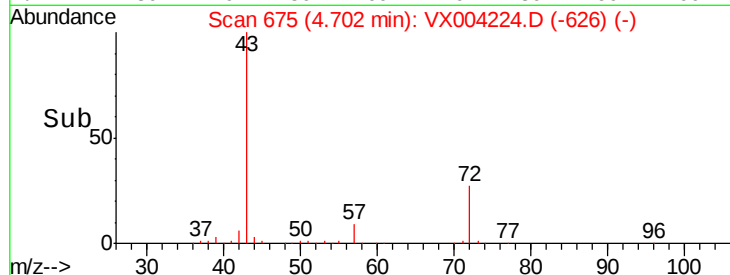
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 17.65 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.01 min

Lab File: VX004224.D

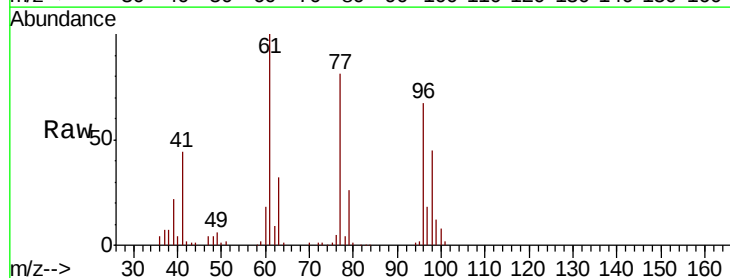
Acq: 23 Aug 2018 14:06

Tgt Ion: 77 Resp: 98501

Ion Ratio Lower Upper

77 100

97 23.8 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

20000

10000

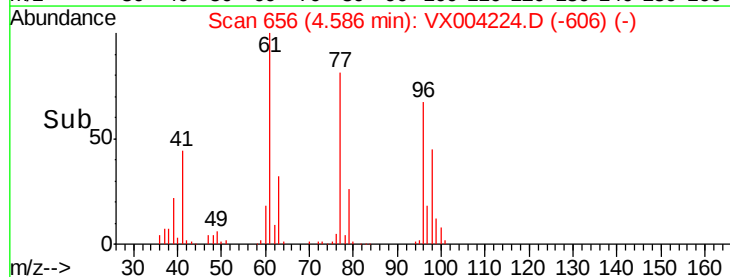
0

4.50

4.60

4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 18.66 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Instrument :

MSVOA_X

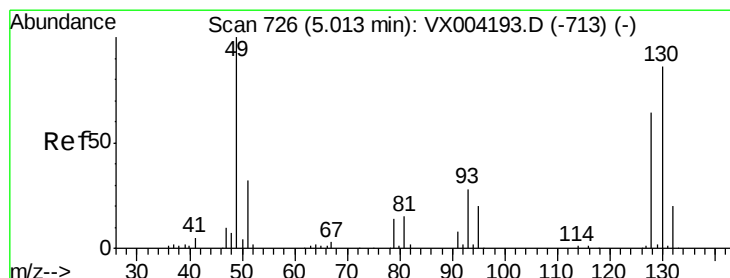
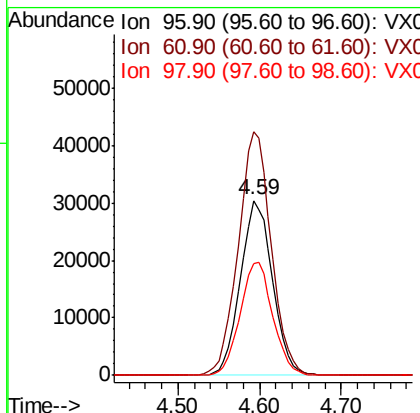
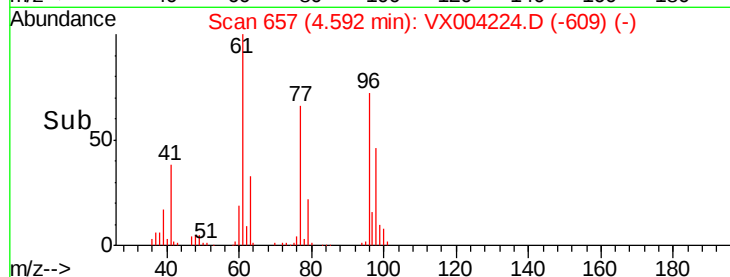
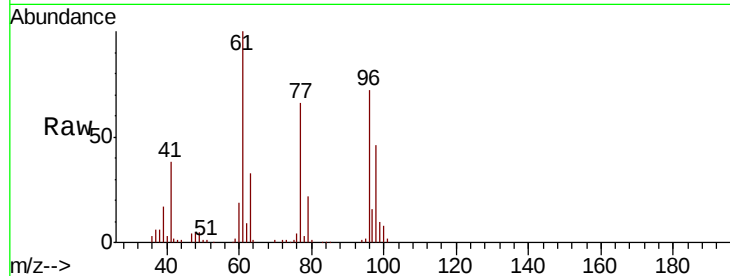
ClientSampleId :

VX0823WBSD01

Tot Ion:	96	Resp:	83410
Ion	Ratio	Lower	Upper
96	100		
61	142.6	0.0	282.6
98	65.5	0.0	130.2

Manual Integrations
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#28

Bromochloromethane

Concen: 19.44 ug/l

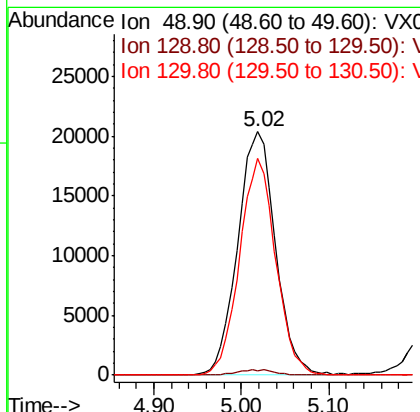
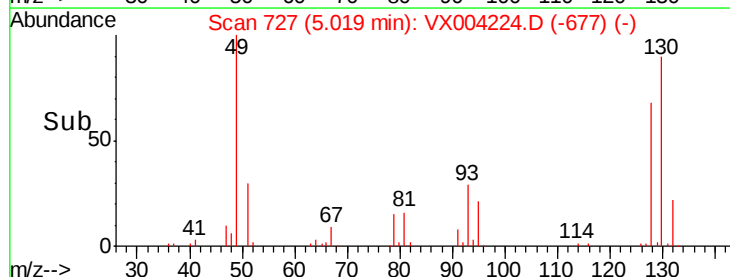
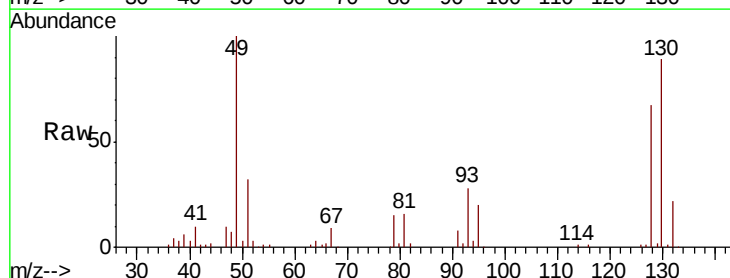
RT: 5.02 min Scan# 727

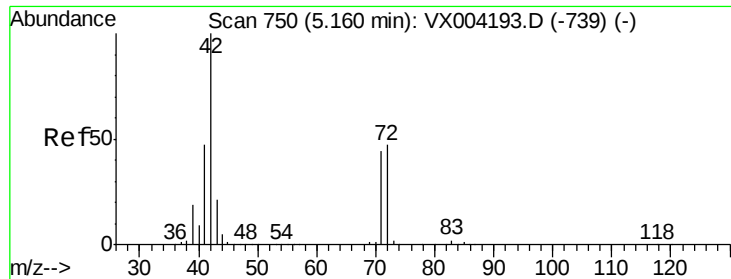
Delta R.T. 0.01 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Tgt Ion:	49	Resp:	61244
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	85.0	67.5	101.3





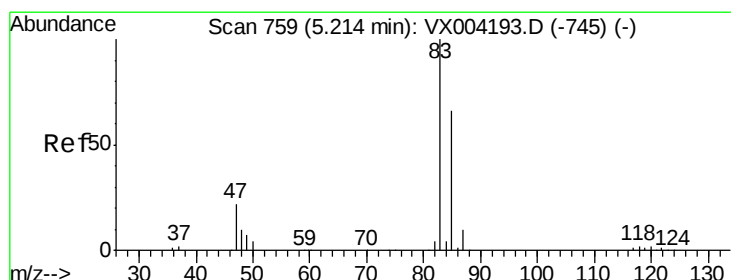
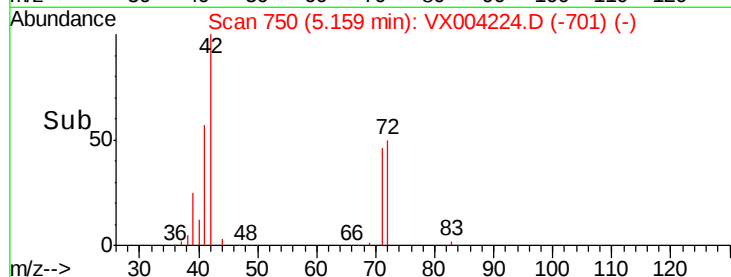
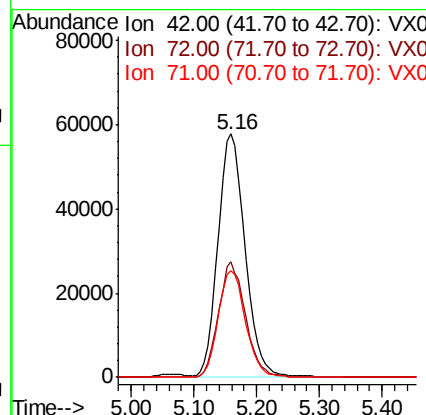
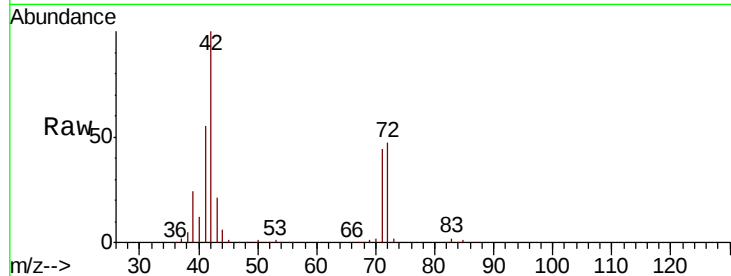
#29
Tetrahydrofuran
Concen: 91.74 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.00 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.3	37.4	56.0
71	44.4	34.5	51.7

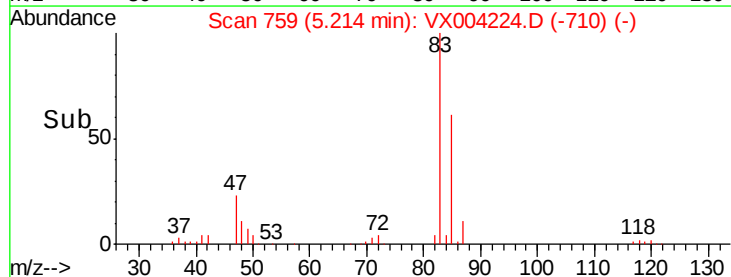
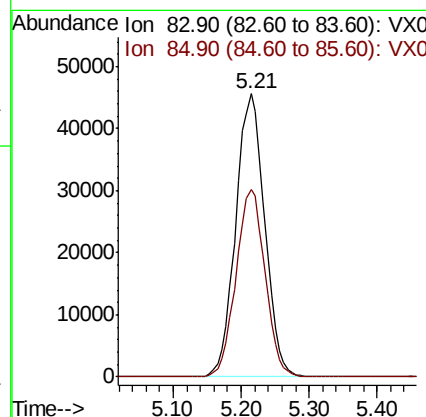
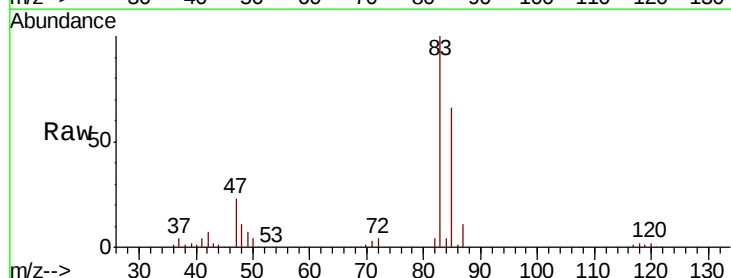
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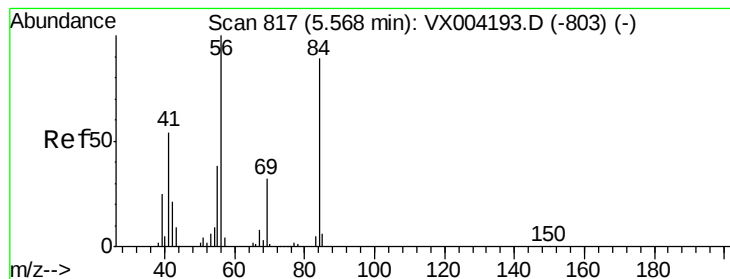
MMDadoda
8/24/2018 11:35:28 AM



#30
Chloroform
Concen: 18.90 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.6	79.0





#31

Cvclohexane

Concen: 19.66 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Instrument :

MSVOA_X

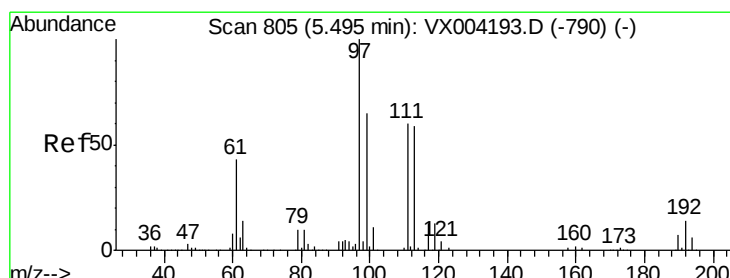
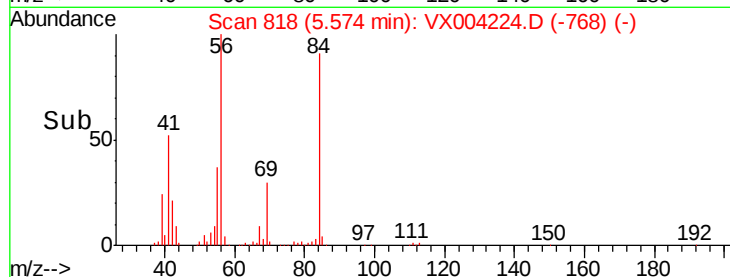
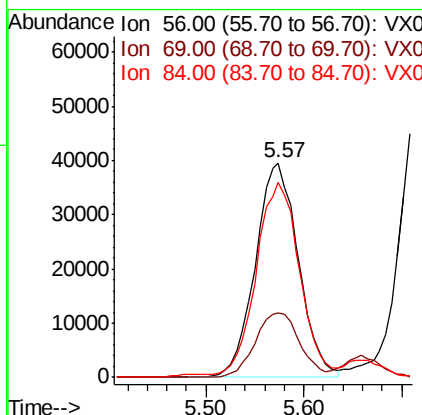
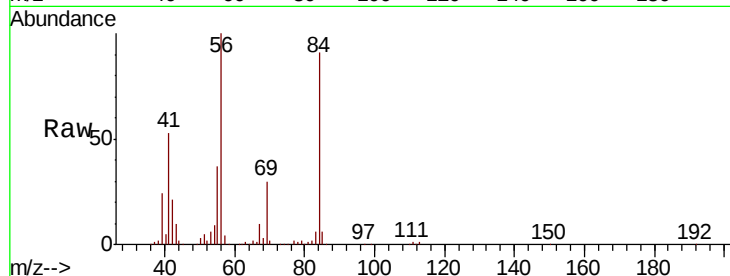
ClientSampleId :

VX0823WBSD01

Tot Ion:	56	Resp:	120747
Ion Ratio	Lower	Upper	
56	100		
69	29.9	25.4	38.2
84	89.5	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 19.33 ug/l

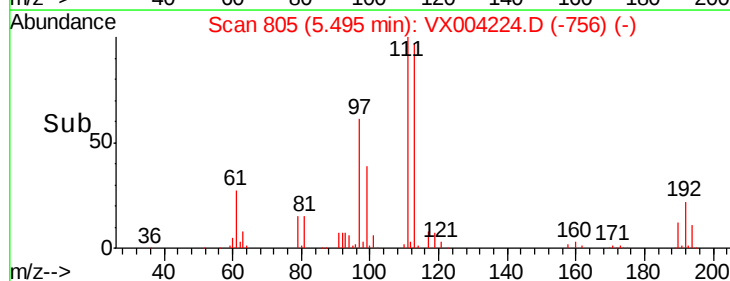
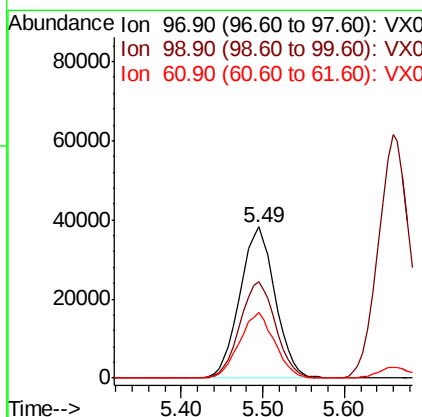
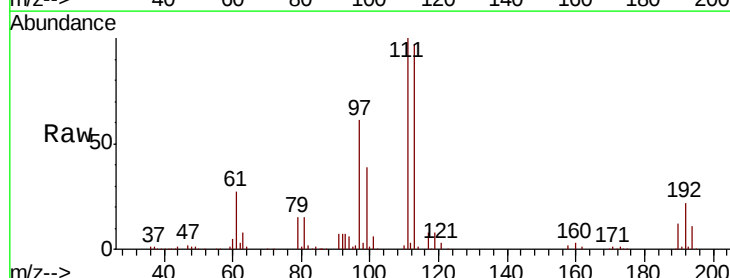
RT: 5.49 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Tgt Ion:	97	Resp:	115027
Ion Ratio	Lower	Upper	
97	100		
99	64.5	52.0	78.0
61	43.5	34.9	52.3





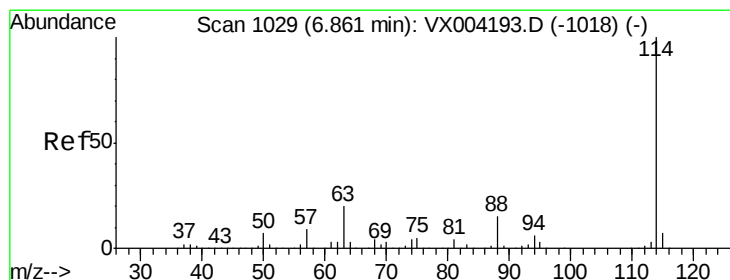
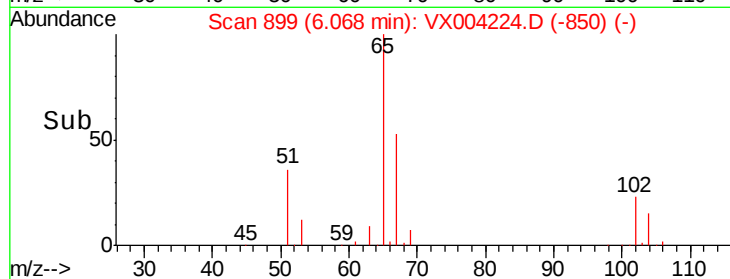
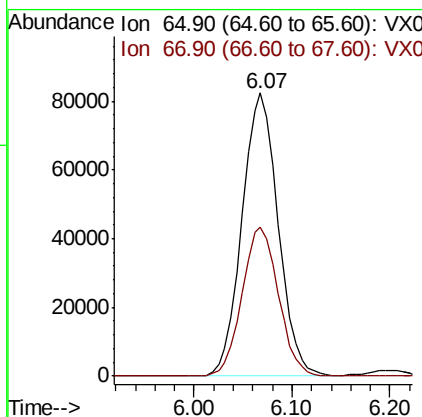
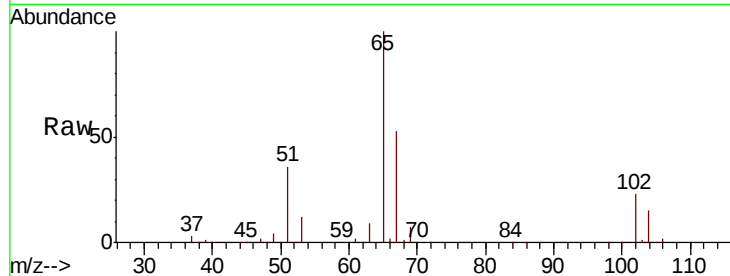
#33
 1,2-Dichloroethane-d4
 Concen: 48.30 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004224.D
 Acq: 23 Aug 2018 14:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.8

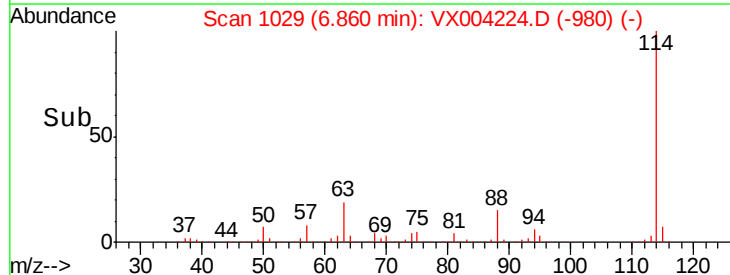
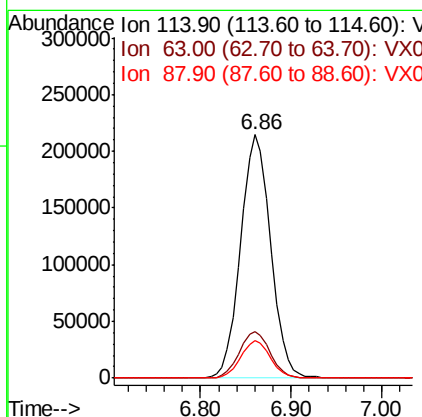
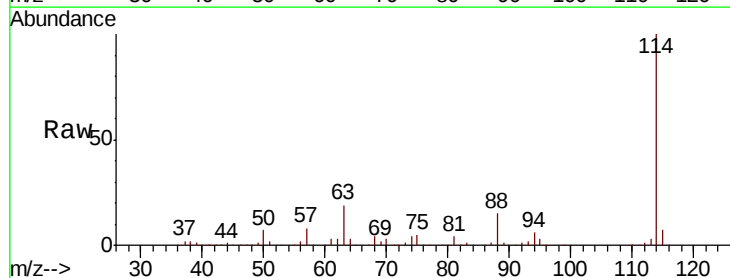
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004224.D
 Acq: 23 Aug 2018 14:06

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	39.0
88	15.5	0.0	30.4





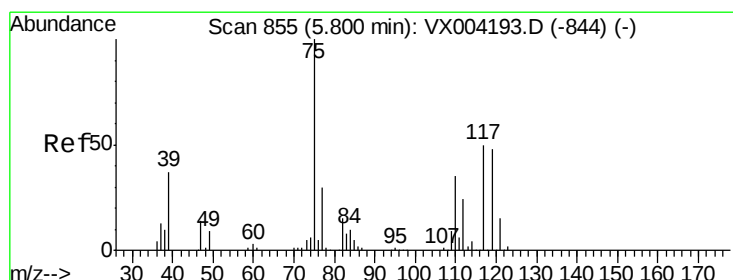
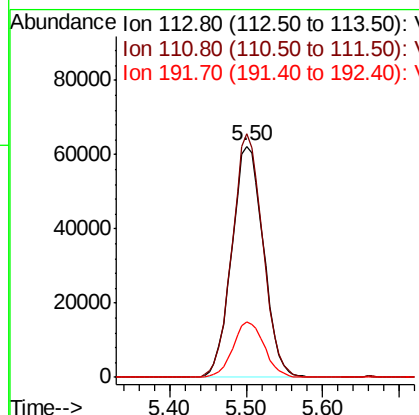
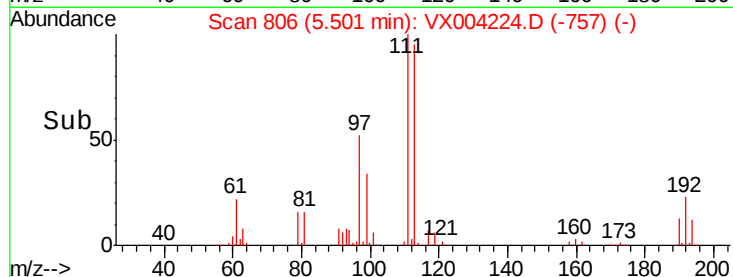
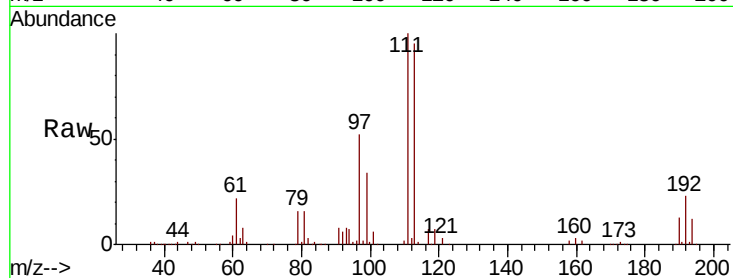
#35
Dibromofluoromethane
Concen: 48.68 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	178721		
111	102.0	82.4	123.6	
192	23.7	19.4	29.2	

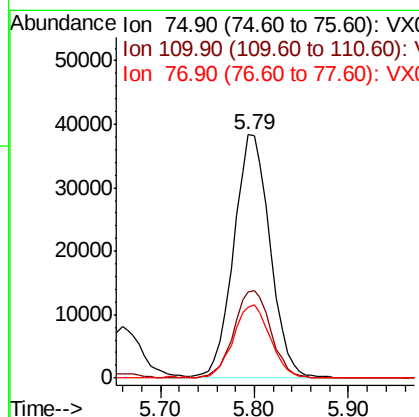
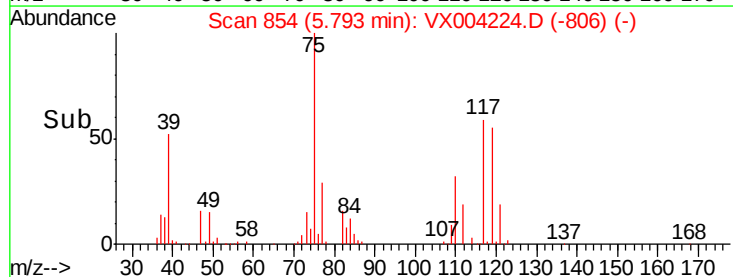
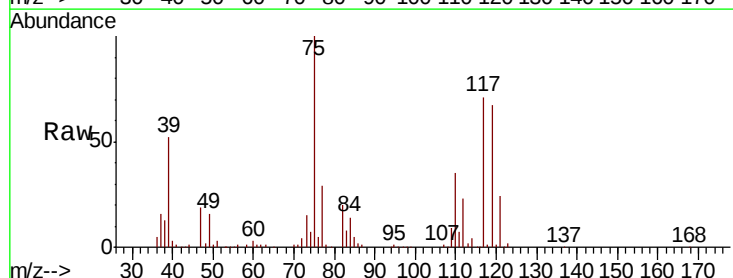
Manual Integrations
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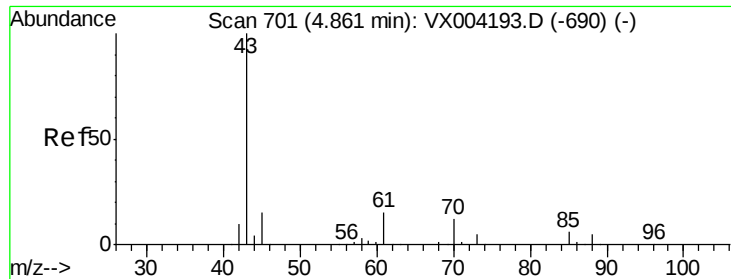
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8/24/2018 11:35:28 AM



#36
1,1-Dichloropropene
Concen: 18.44 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.01 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	102324		
110	37.0	18.0	54.0	
77	30.3	24.6	36.8	





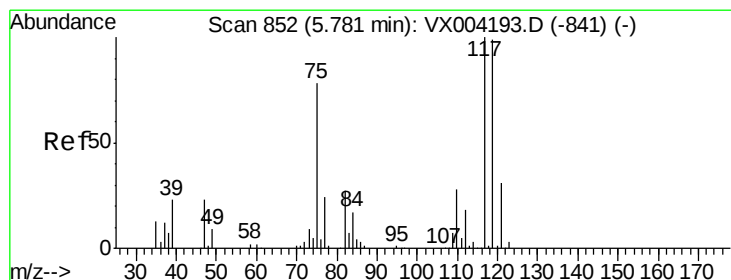
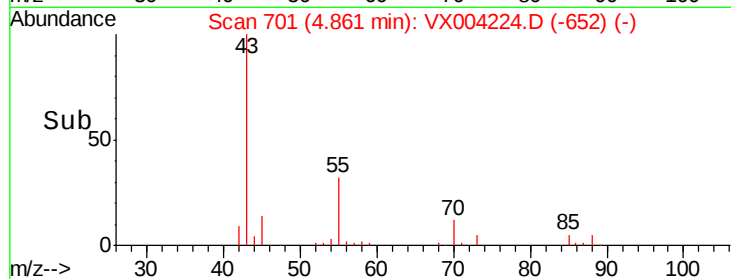
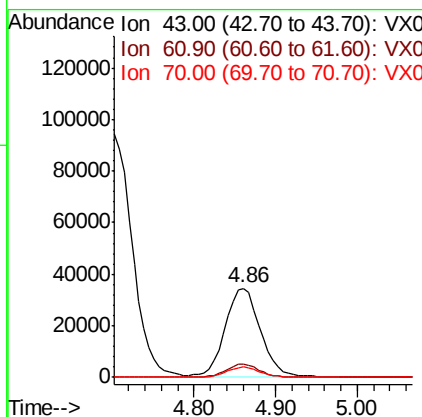
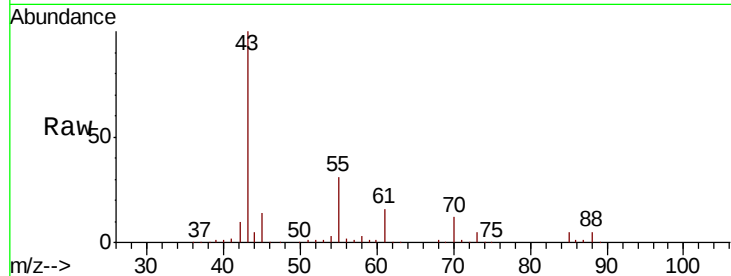
#37
Ethyl Acetate
Concen: 18.75 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.00 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.5	17.3
70	11.4	9.0	13.6

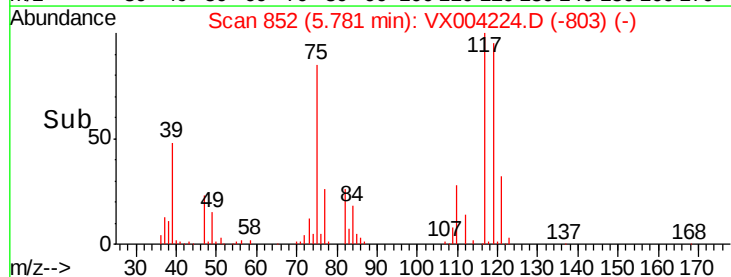
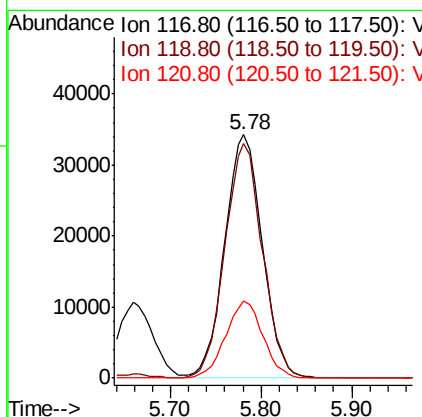
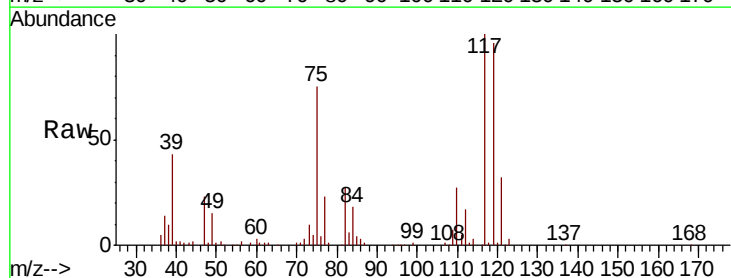
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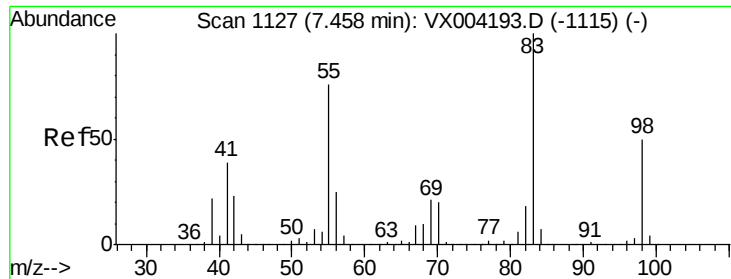
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#38
Carbon Tetrachloride
Concen: 18.92 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	78.8	118.2
121	31.7	24.9	37.3





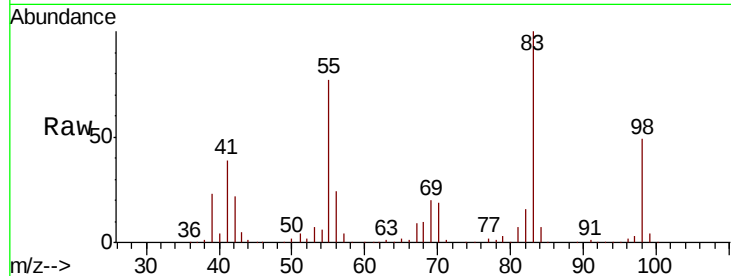
#39
Methvlcvclohexane
Concen: 19.21 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBSD01

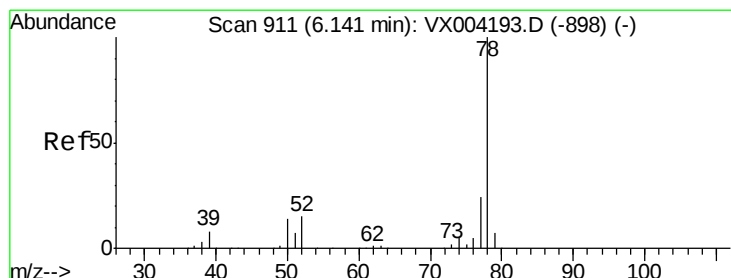
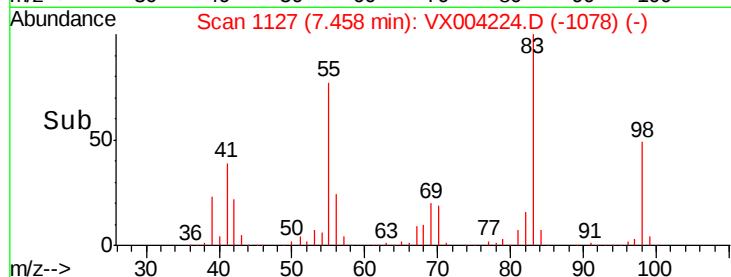
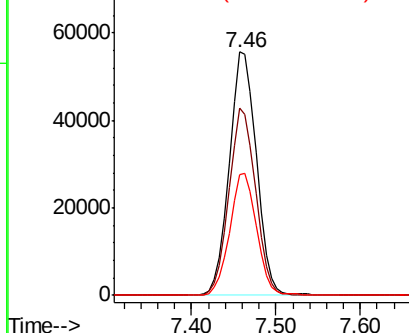
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.2	61.0	91.4	
98	49.5	39.6	59.4	

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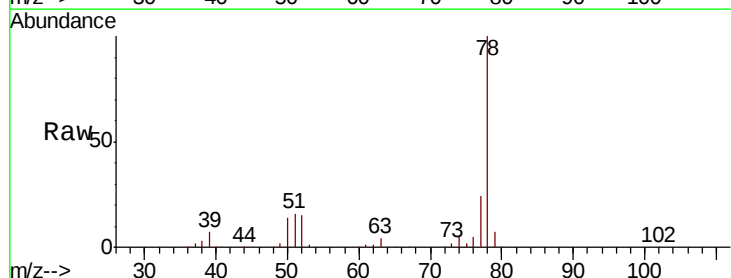


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

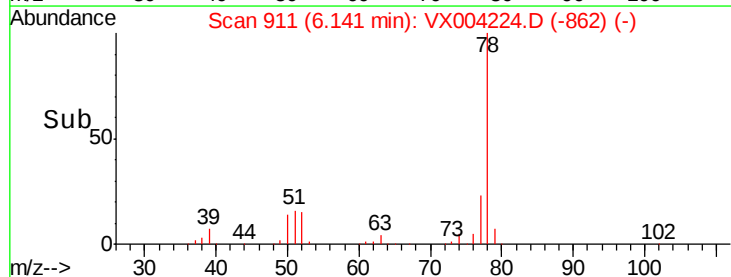
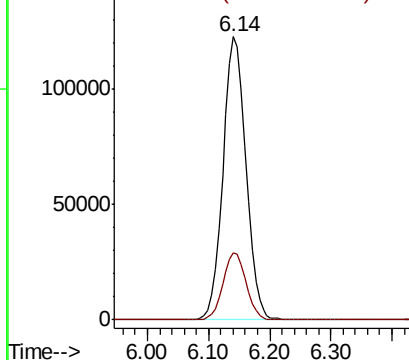


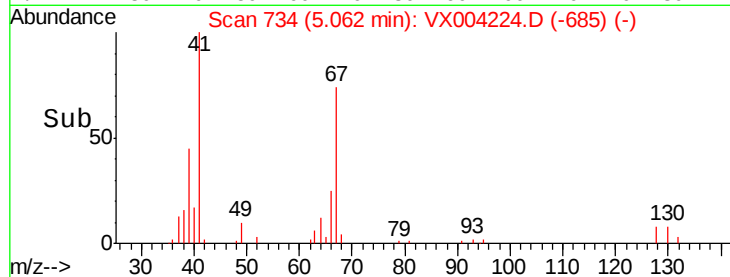
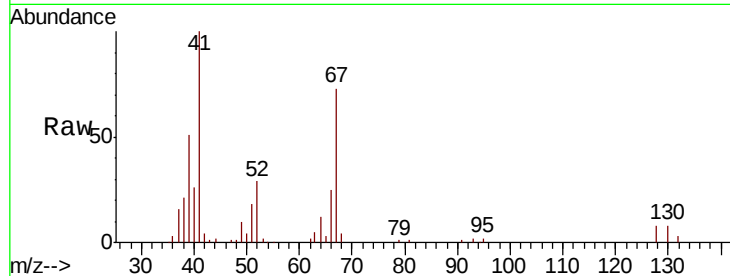
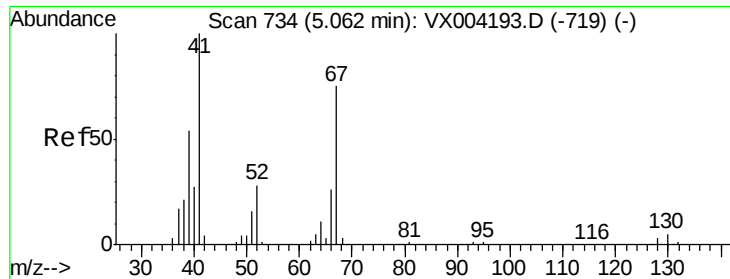
#40
Benzene
Concen: 19.36 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	19.0	28.4	



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





#41

Methacrylonitrile

Concen: 18.57 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		58750		
39	53.7	42.4	63.6		
67	75.6	59.2	88.8		
52	28.8	23.0	34.4		

Instrument :

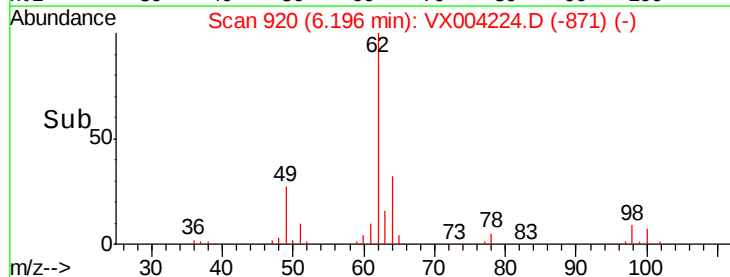
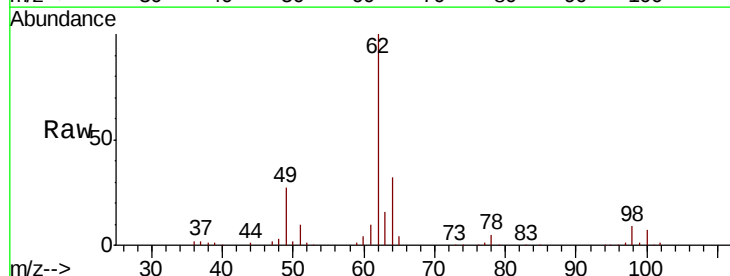
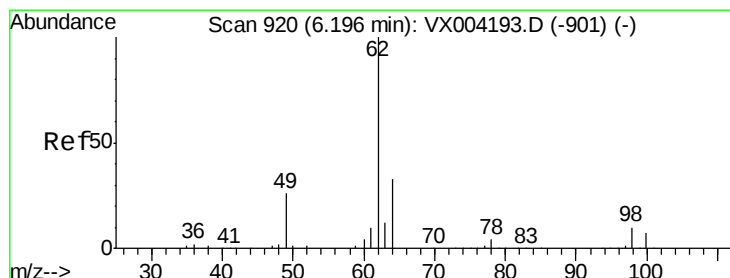
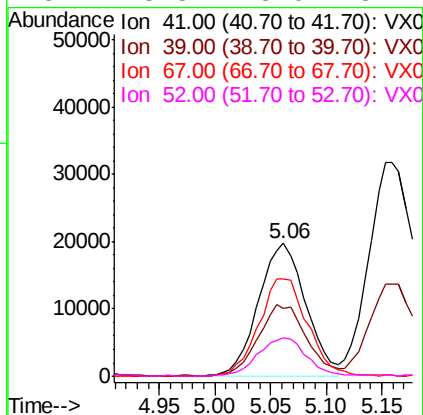
MSVOA_X

ClientSampleId :

VX0823WBSD01

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#42

1,2-Dichloroethane

Concen: 19.15 ug/l

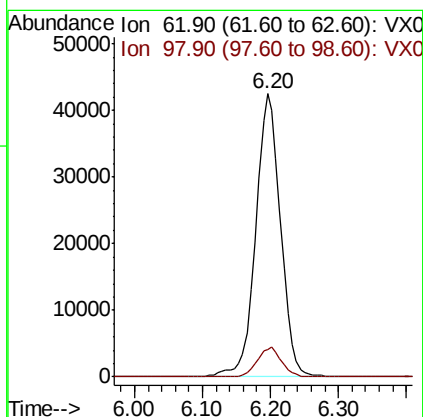
RT: 6.20 min Scan# 920

Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		108274		
98	10.3	0.0	20.6		





#43

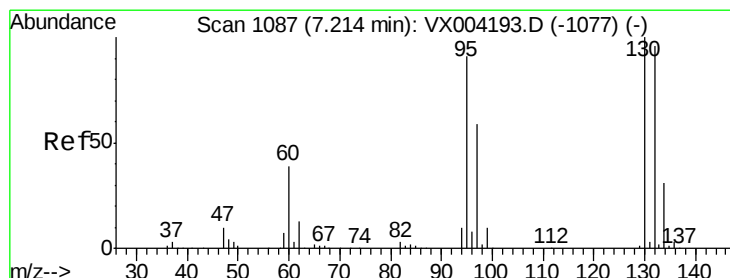
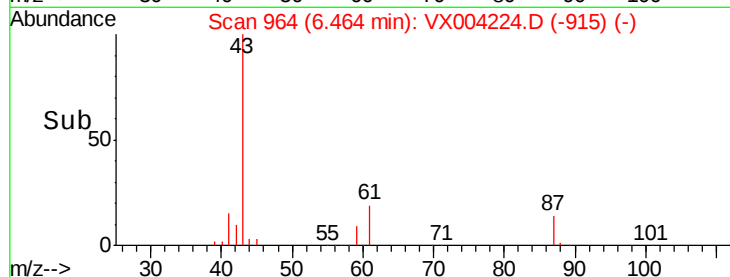
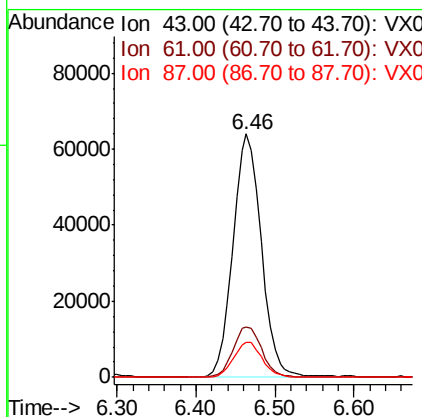
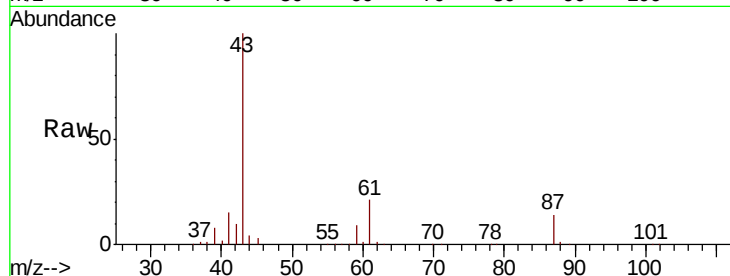
Isopropyl Acetate
 Concen: 19.04 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004224.D
 Acq: 23 Aug 2018 14:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	17.0	25.4
87	14.5	11.4	17.2

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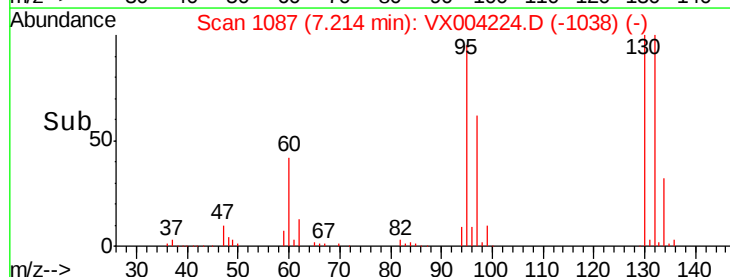
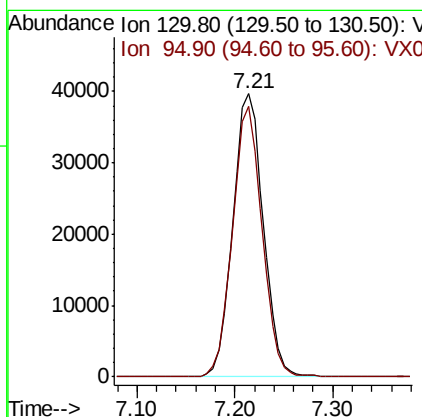
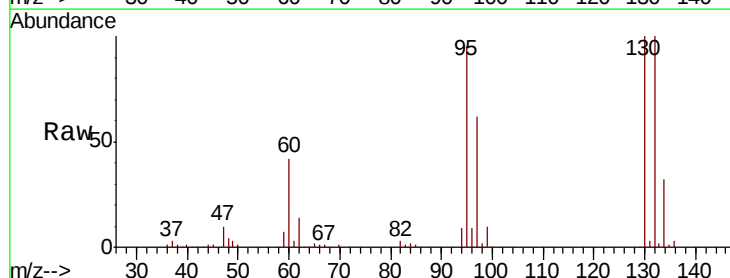
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 8/24/2018 11:35:28 AM



#44

Trichloroethene
 Concen: 18.66 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004224.D
 Acq: 23 Aug 2018 14:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	181.6





#45

1,2-Dichloropropane

Concen: 19.36 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBSD01

Tot Ion: 63 Resp: 80314

Ion Ratio Lower Upper

63 100

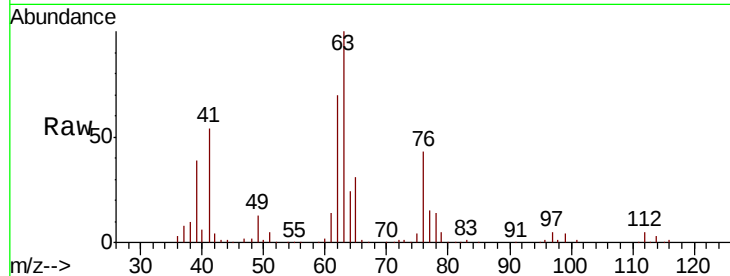
65 30.5 24.3 36.5

Manual Integrations

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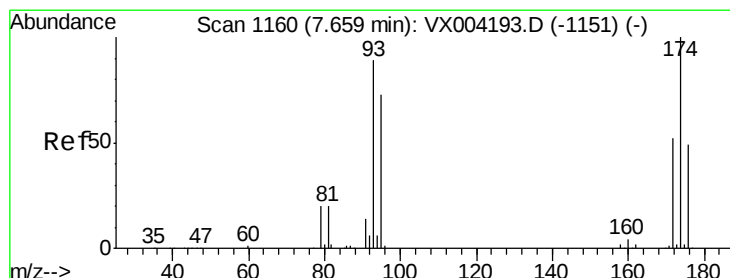
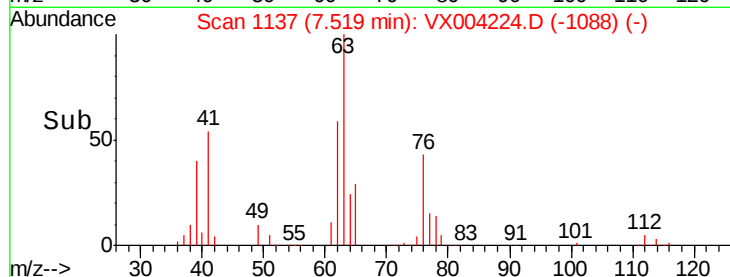
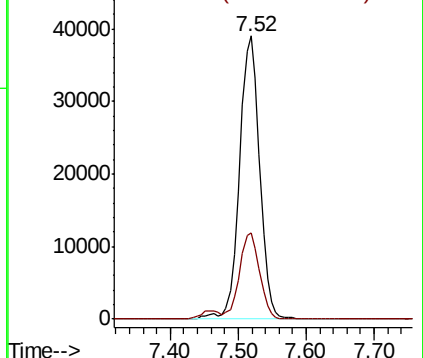
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.96 ug/l

RT: 7.66 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

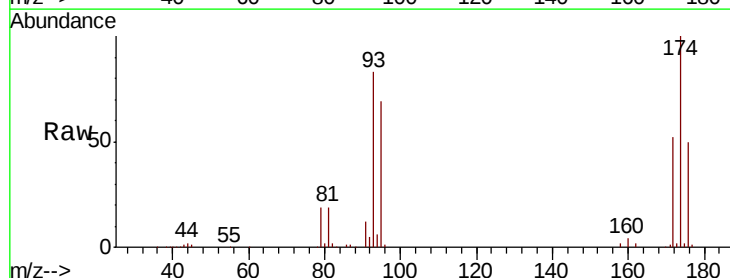
Tgt Ion: 93 Resp: 52384

Ion Ratio Lower Upper

93 100

95 83.0 65.5 98.3

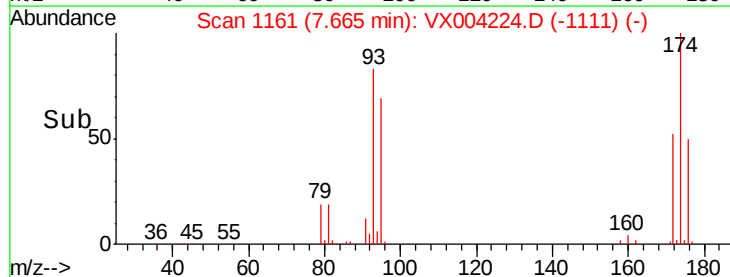
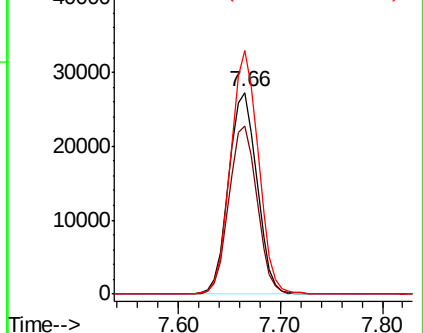
174 118.1 94.2 141.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.72 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Instrument :

MSVOA_X

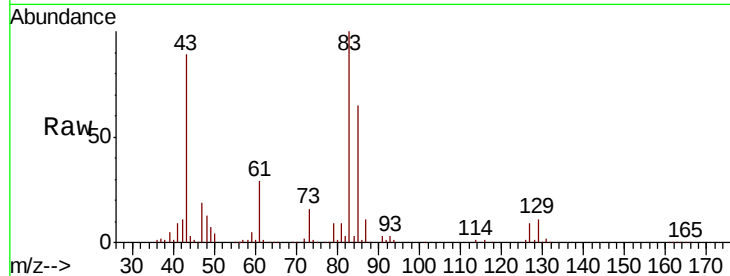
ClientSampleId :

VX0823WBSD01

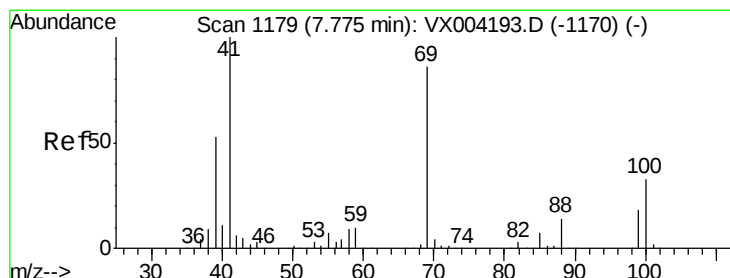
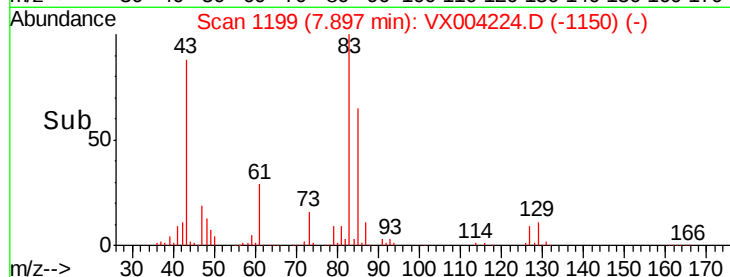
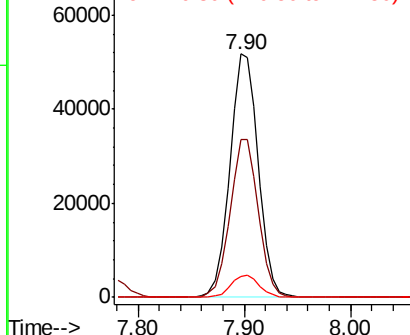
Tot Ion:	83	Resp:	96260
Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.9	76.3
127	8.6	7.3	10.9

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



#48

Methyl methacrylate

Concen: 18.69 ug/l

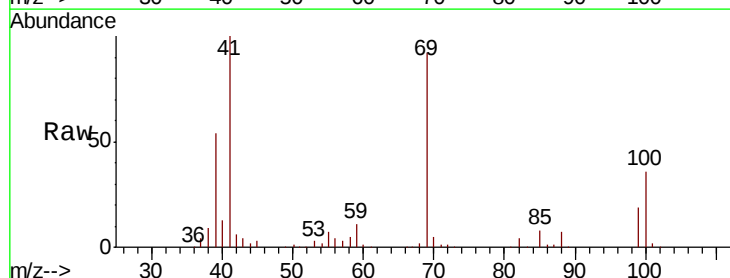
RT: 7.78 min Scan# 1180

Delta R.T. 0.01 min

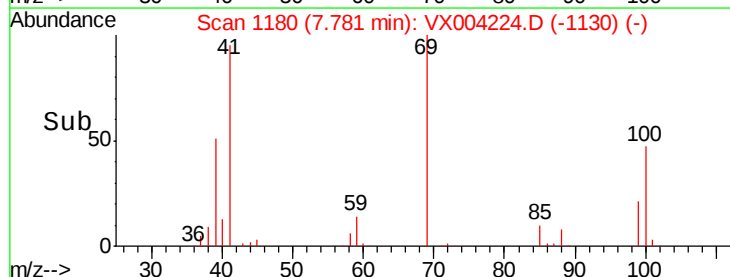
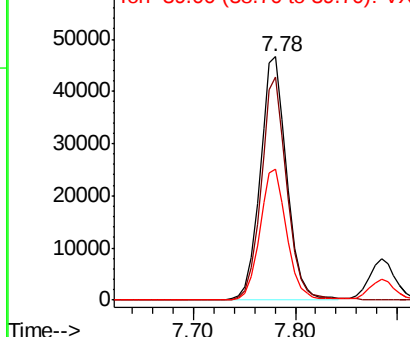
Lab File: VX004224.D

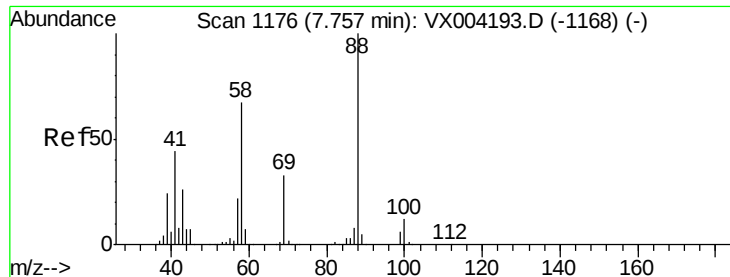
Acq: 23 Aug 2018 14:06

Tgt Ion:	41	Resp:	83849
Ion	Ratio	Lower	Upper
41	100		
69	89.0	70.2	105.4
39	54.2	42.7	64.1



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: 321.70 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Instrument :

MSVOA_X

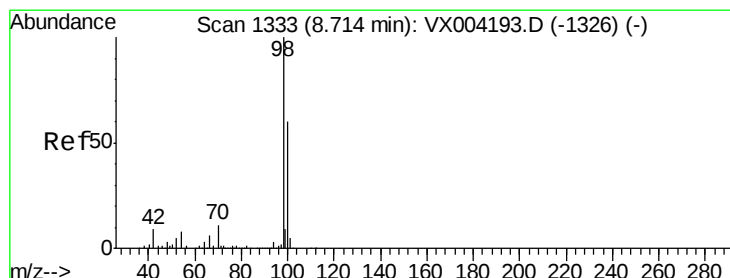
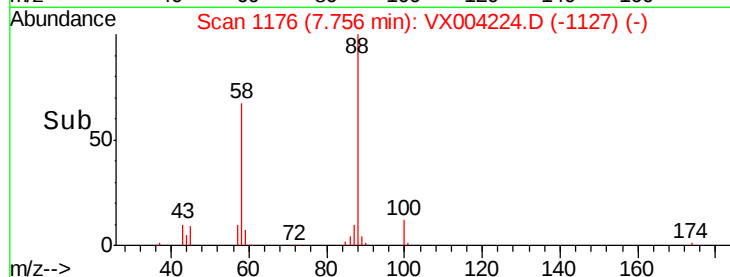
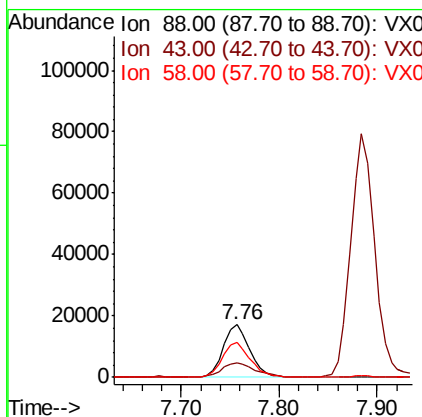
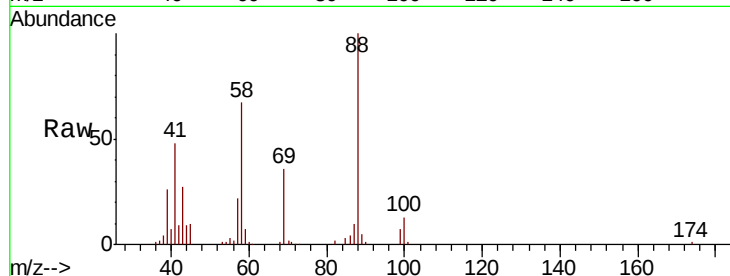
ClientSampleId :

VX0823WBSD01

Tot Ion:	88	Resp:	32770
Ion	Ratio	Lower	Upper
88	100		
43	31.2	24.7	37.1
58	68.5	55.3	82.9

Manual Integrations
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#50

Toluene-d8

Concen: 49.41 ug/l

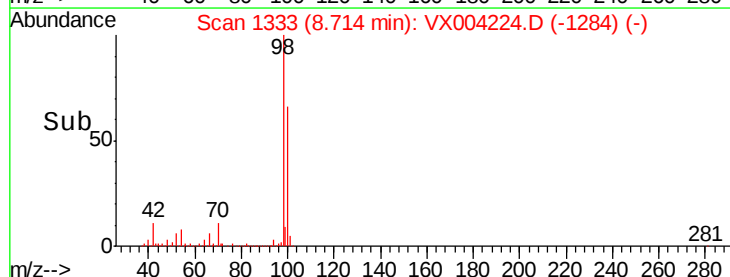
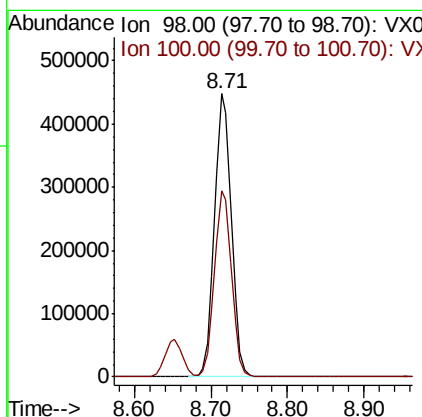
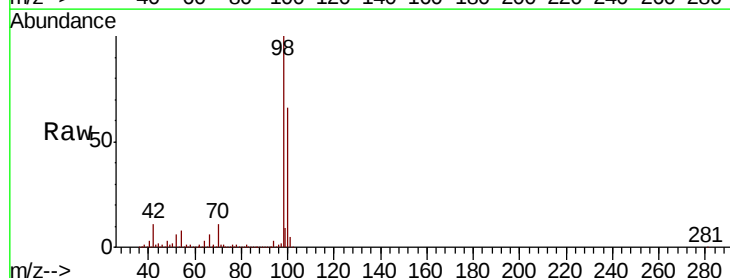
RT: 8.71 min Scan# 1333

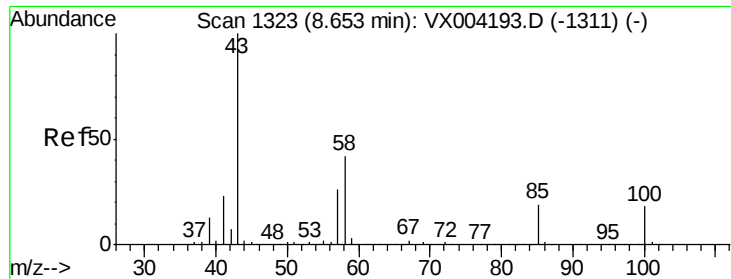
Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Tgt Ion:	98	Resp:	684718
Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.9	79.3





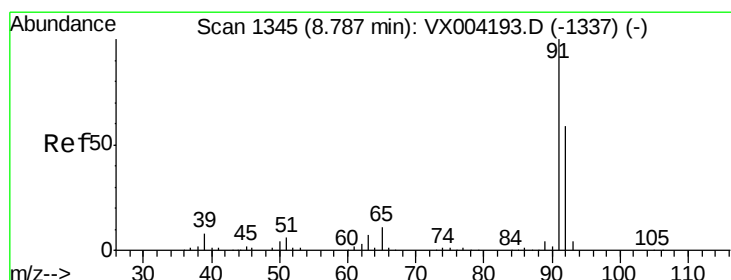
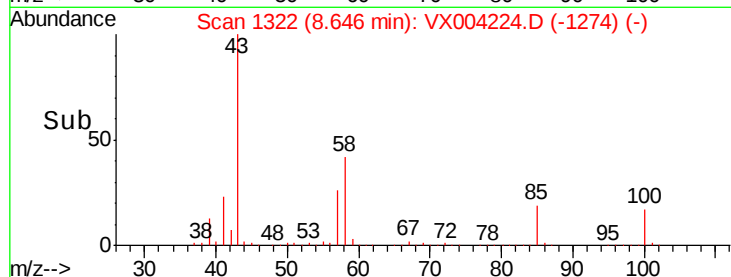
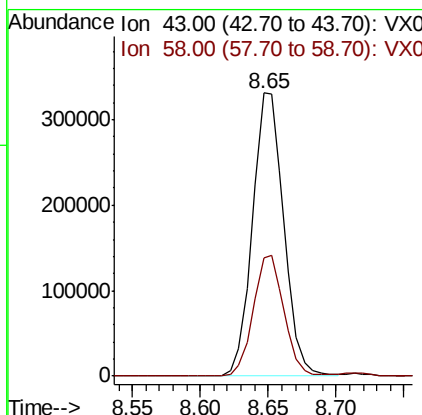
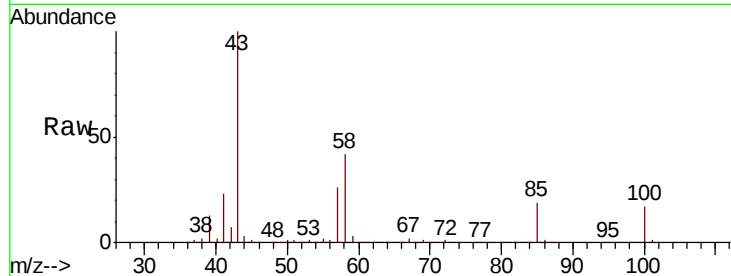
#51
4-Methyl-2-Pentanone
Concen: 87.75 ug/l
RT: 8.65 min Scan# 1322
Delta R.T. -0.01 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.8	33.1	49.7

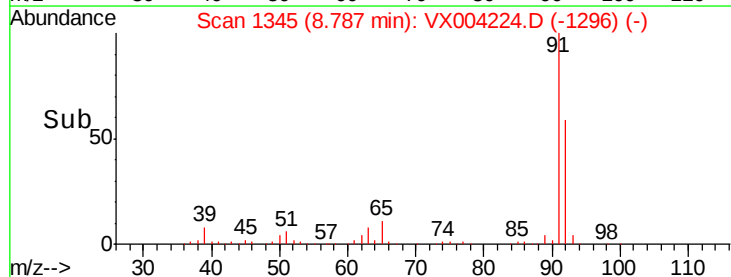
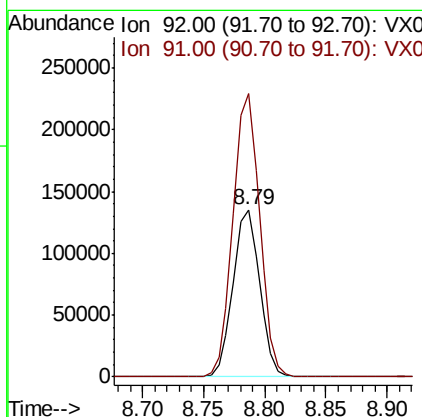
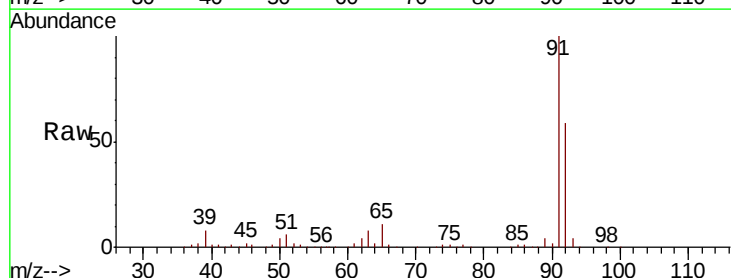
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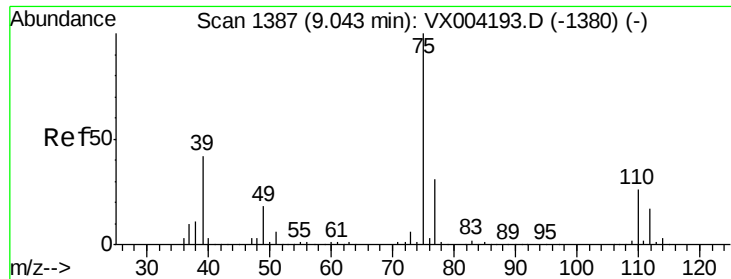
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#52
Toluene
Concen: 19.61 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.8	136.4	204.6





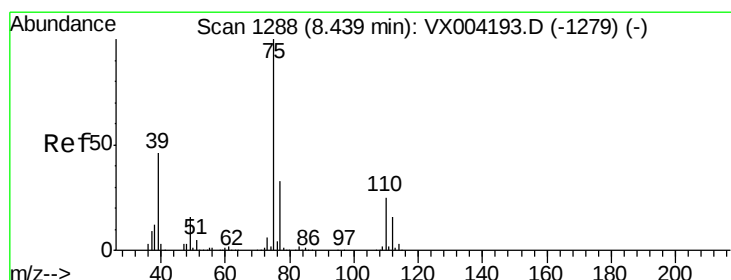
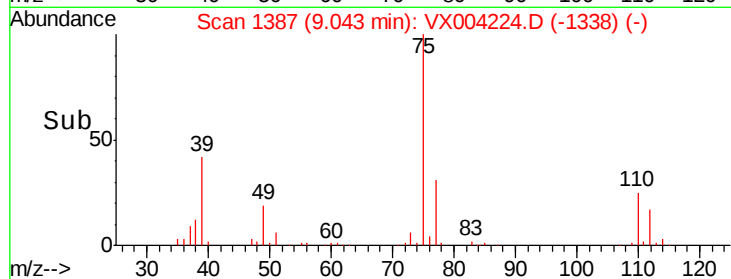
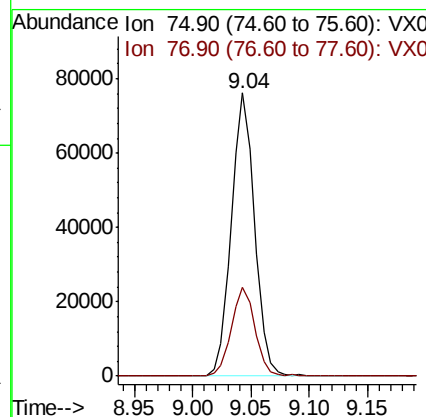
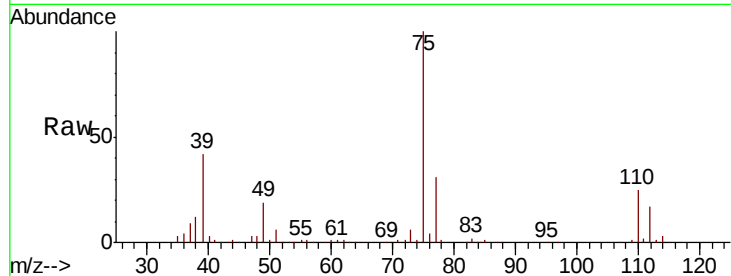
#53
t-1,3-Dichloropropene
Concen: 18.62 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
75	100	105751		
77	31.3	24.6	24.6	37.0

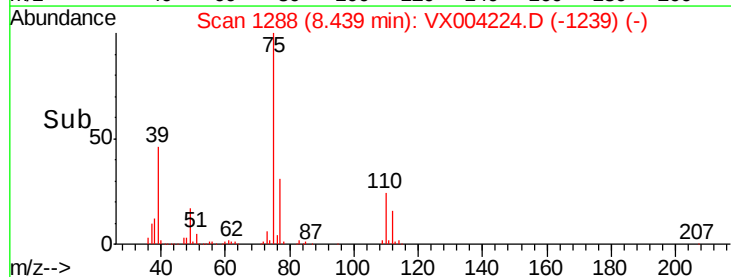
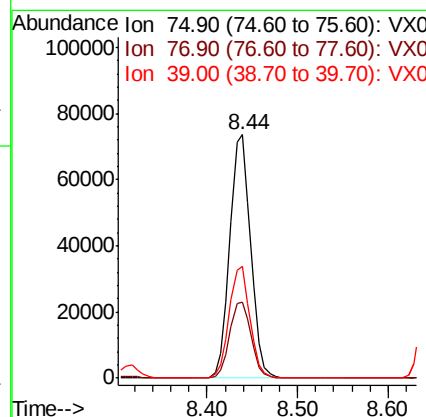
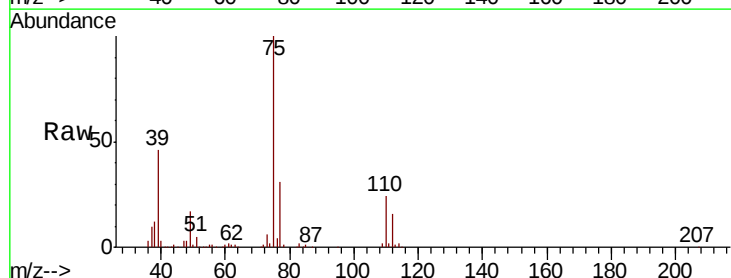
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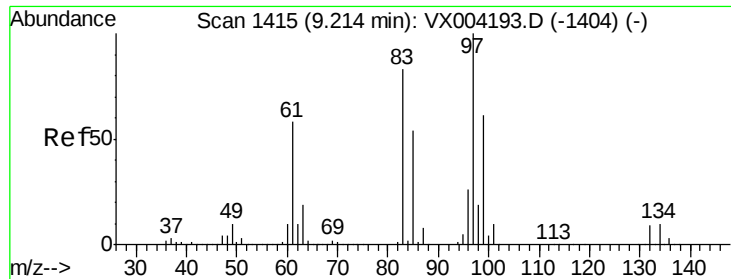
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#54
cis-1,3-Dichloropropene
Concen: 19.12 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	118227		
77	31.0	26.2	26.2	39.2
39	45.6	36.4	36.4	54.6





#55

1,1,2-Trichloroethane

Concen: 19.47 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Instrument :

MSVOA_X

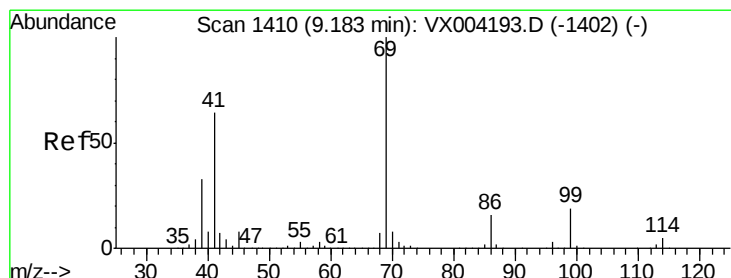
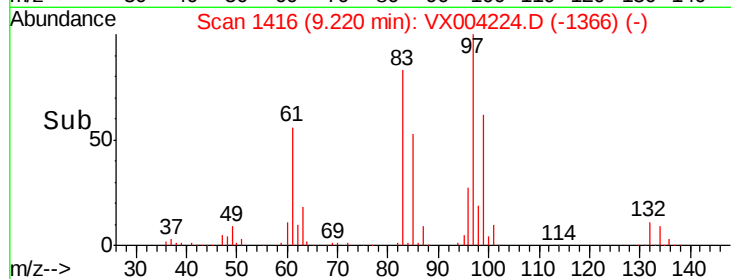
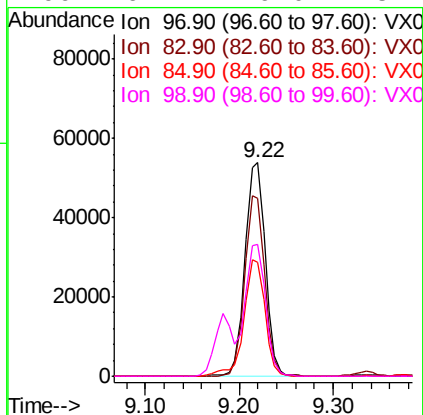
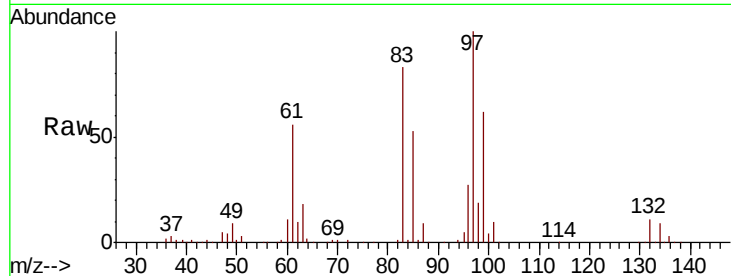
ClientSampleId :

VX0823WBSD01

Tot Ion:	97	Resp:	81559
Ion	Ratio	Lower	Upper
97	100		
83	83.4	66.4	99.6
85	53.2	43.3	64.9
99	61.7	49.0	73.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.55 ug/l

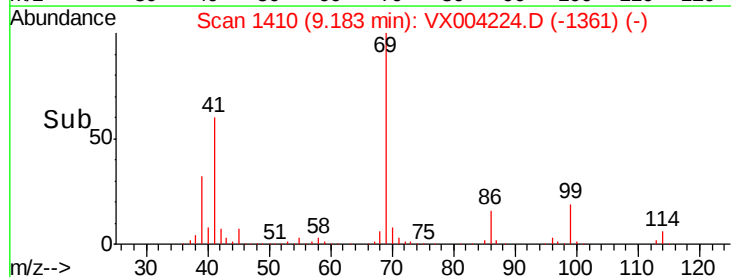
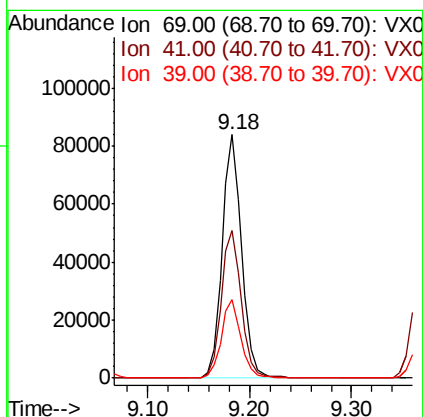
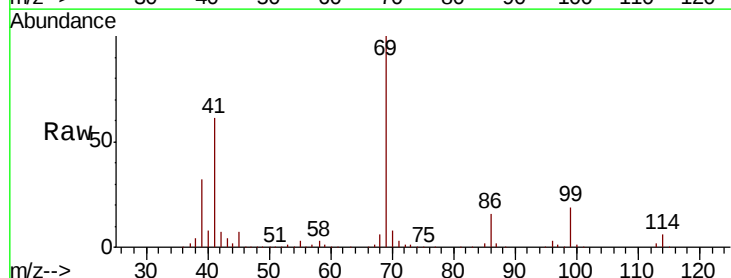
RT: 9.18 min Scan# 1410

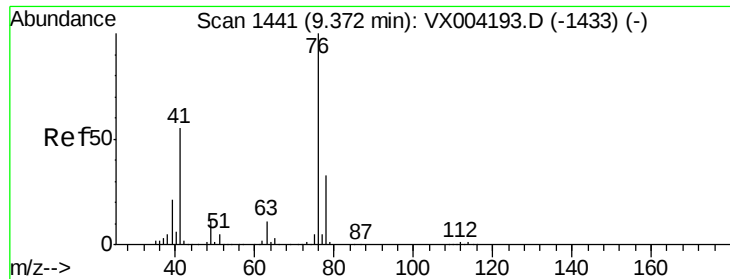
Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Tgt Ion:	69	Resp:	111471
Ion	Ratio	Lower	Upper
69	100		
41	62.2	51.0	76.4
39	32.1	26.1	39.1





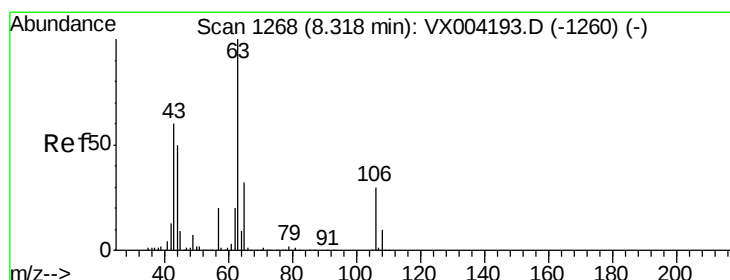
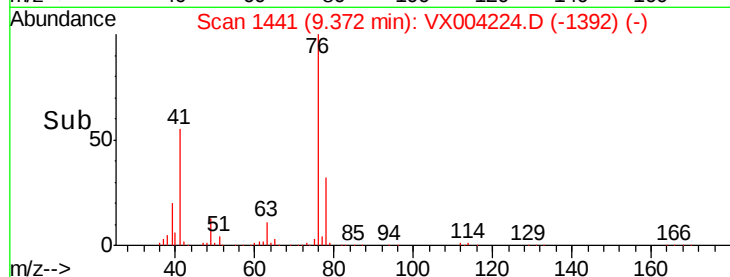
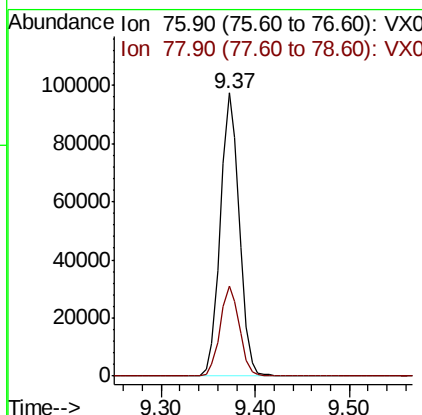
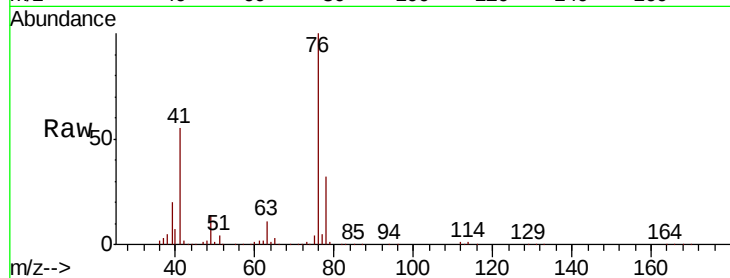
#57
 1,3-Dichloropropane
 Concen: 19.28 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004224.D
 Acq: 23 Aug 2018 14:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3

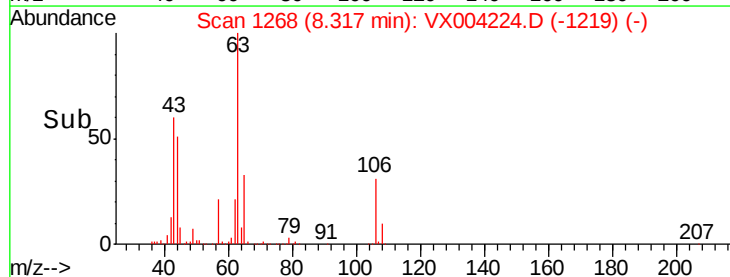
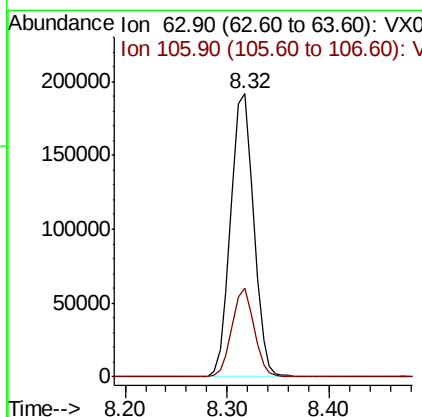
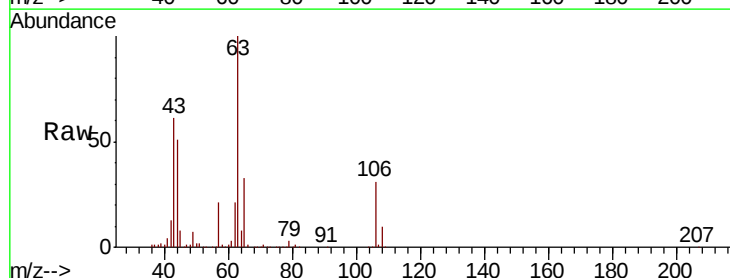
Manual Integrations
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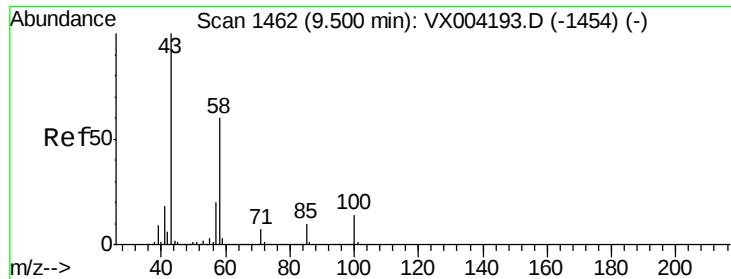
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#58
 2-Chloroethyl Vinyl ether
 Concen: 102.56 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX004224.D
 Acq: 23 Aug 2018 14:06

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.0	23.9	35.9





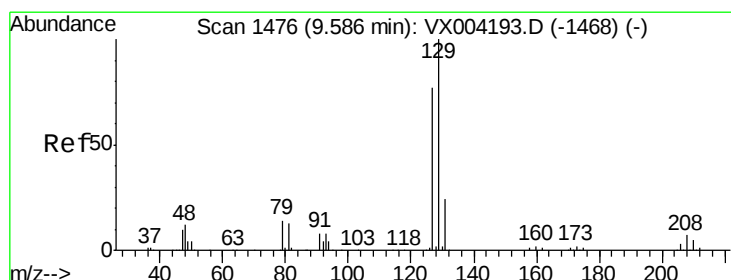
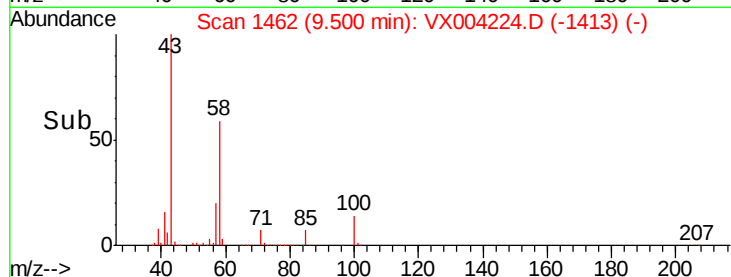
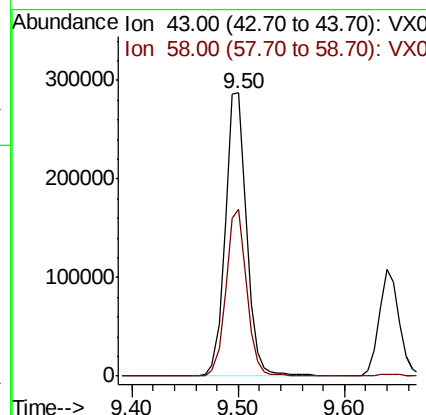
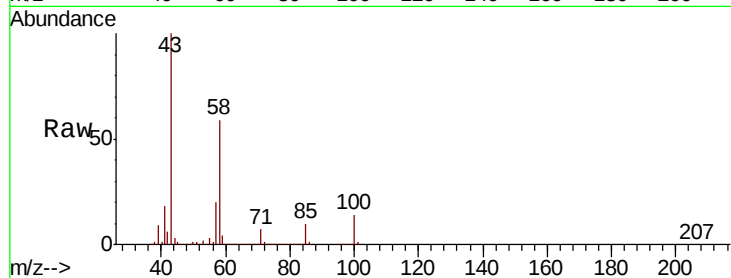
#59
2-Hexanone
Concen: 86.54 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.8	29.0	87.0

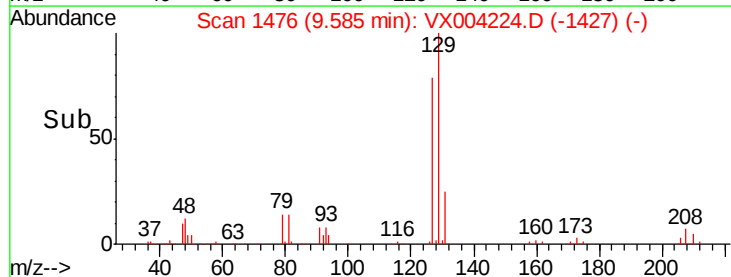
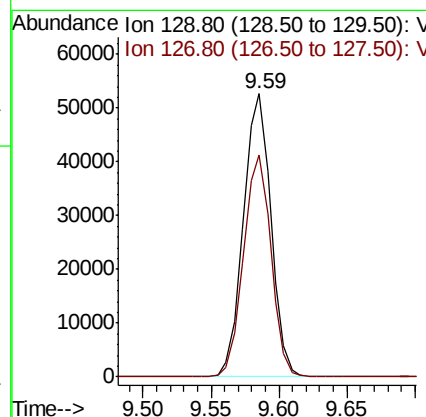
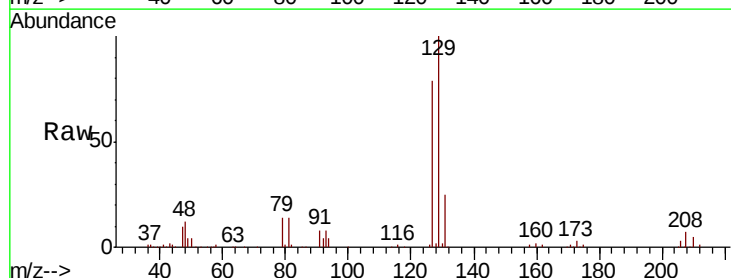
Manual Integrations
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8/24/2018 11:35:28 AM



#60
Dibromochloromethane
Concen: 18.26 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.5	115.5





#61

1,2-Dibromoethane

Concen: 19.37 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBSD01

Tot Ion:107 Resp: 83957

Ion Ratio Lower Upper

107 100

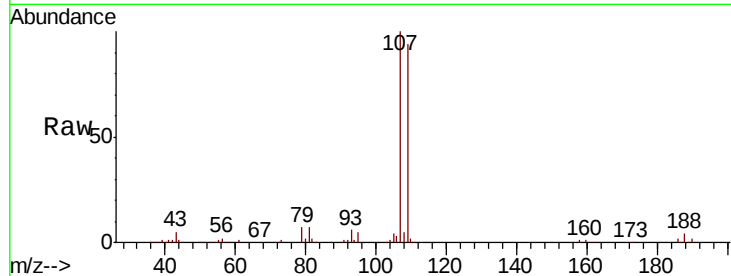
109 94.4 76.0 114.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

60000

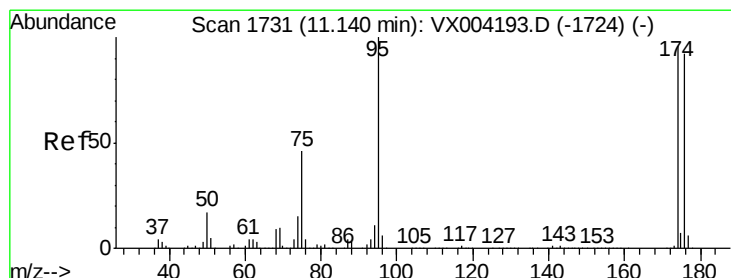
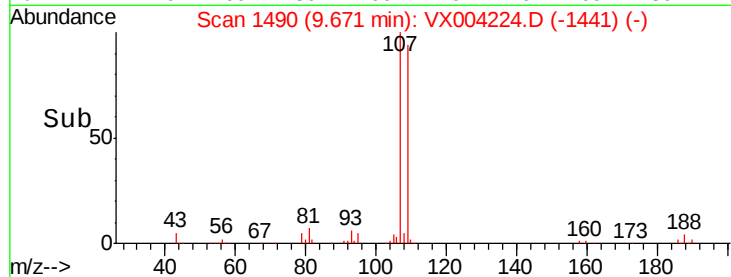
40000

20000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 48.42 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

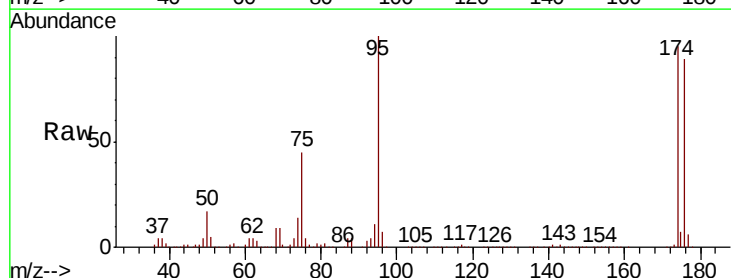
Tgt Ion: 95 Resp: 250362

Ion Ratio Lower Upper

95 100

174 92.2 0.0 185.2

176 88.5 0.0 178.6



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

250000

200000

150000

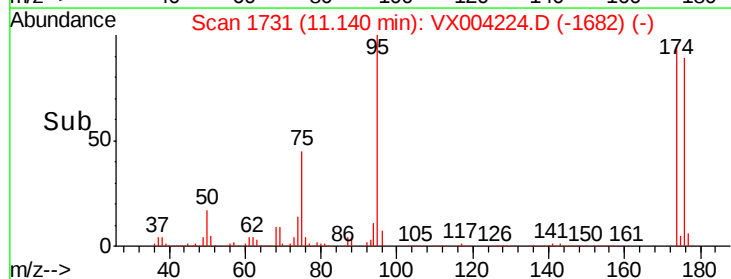
100000

50000

0

11.10 11.20

Time-->





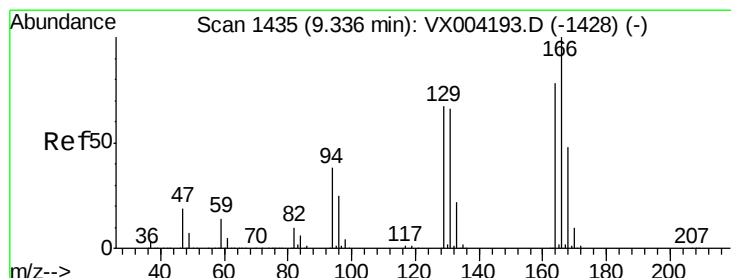
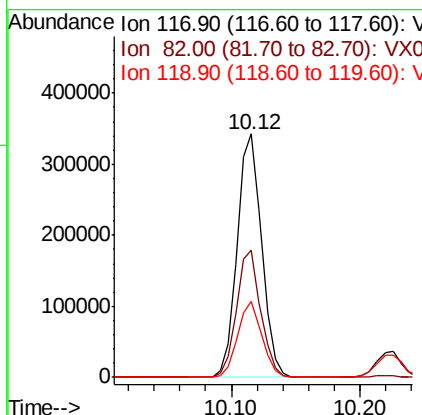
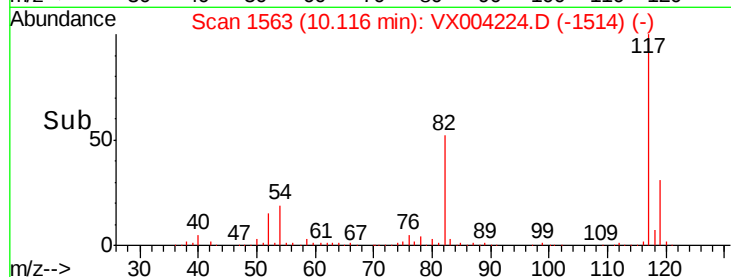
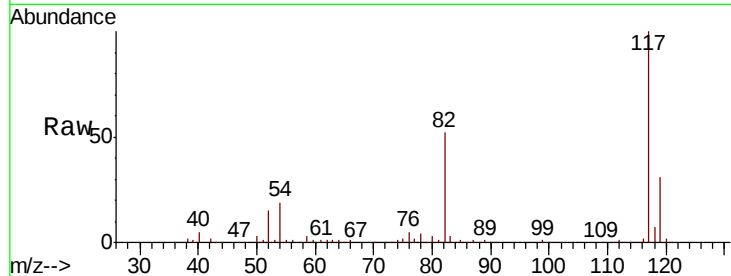
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	47.8	71.6
119	30.9	29.3	43.9

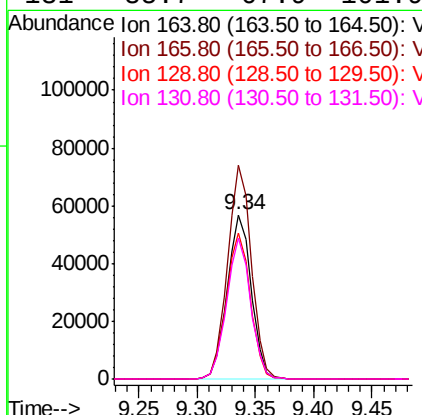
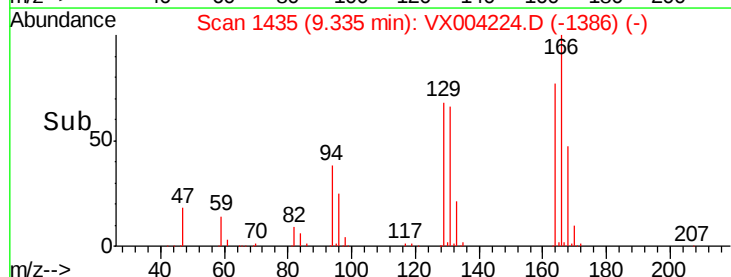
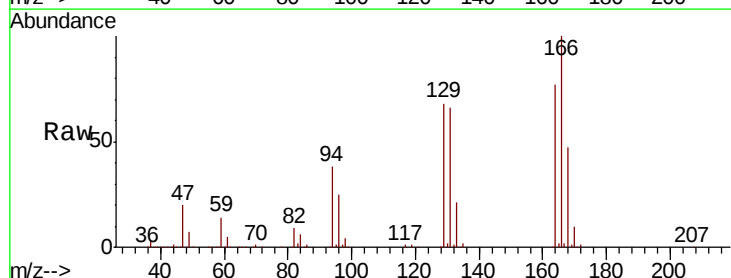
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#64
Tetrachloroethene
Concen: 18.32 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.4	102.8	154.2
129	88.9	69.4	104.0
131	85.7	67.9	101.9





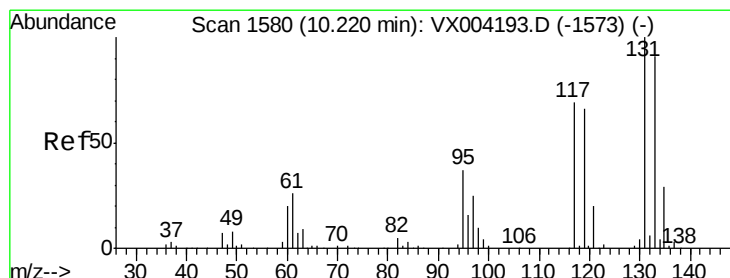
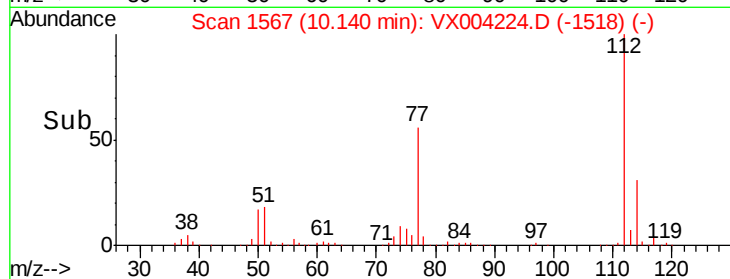
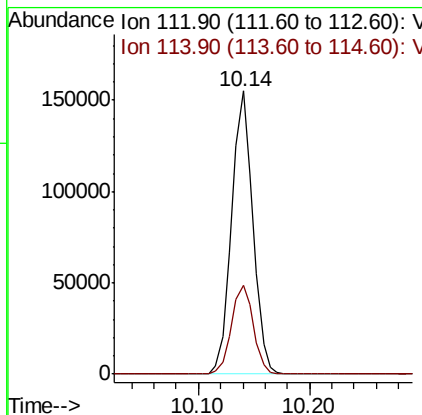
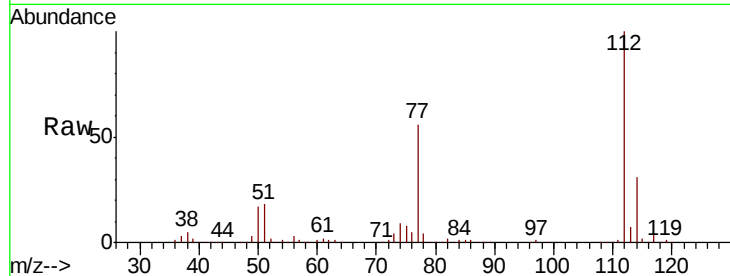
#65
Chlorobenzene
Concen: 18.07 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Instrument :
MSVOA_X
ClientSampled :
VX0823WBSD01

Tot Ion:112 Resp: 204980
Ion Ratio Lower Upper
112 100
114 31.5 27.8 41.8

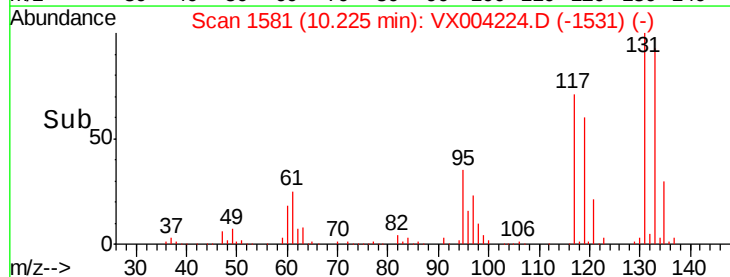
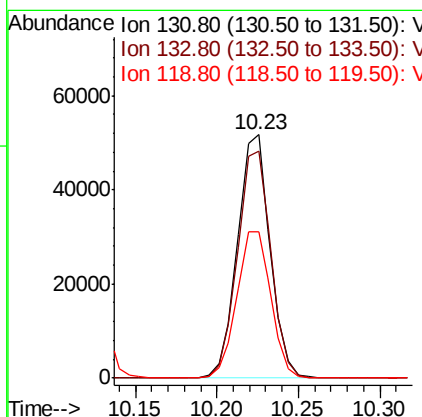
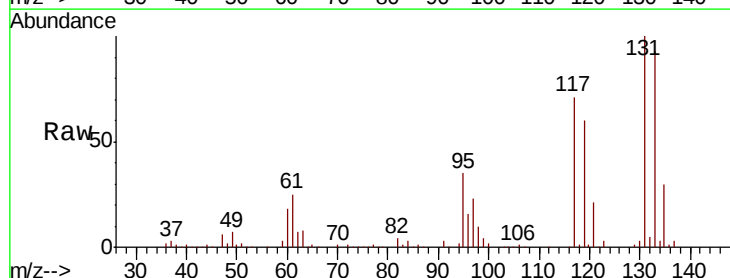
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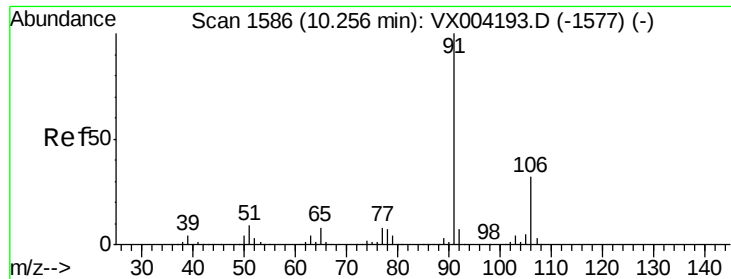
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.36 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Tgt Ion:131 Resp: 71831
Ion Ratio Lower Upper
131 100
133 95.7 48.1 144.4
119 63.1 32.9 98.6





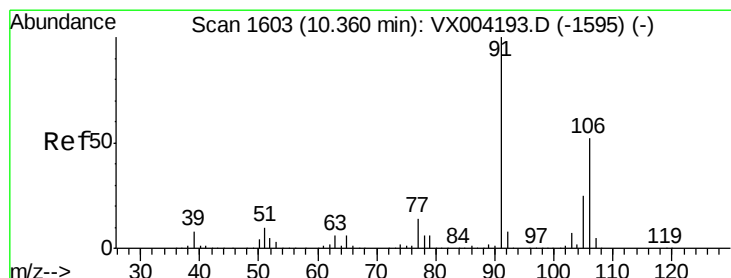
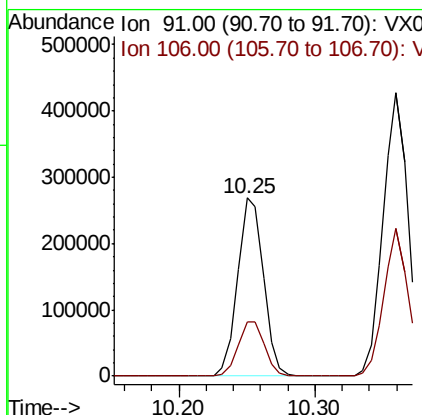
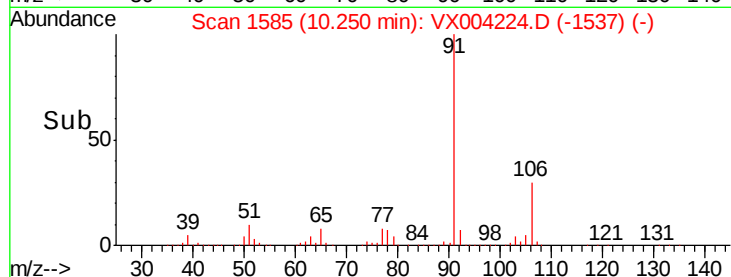
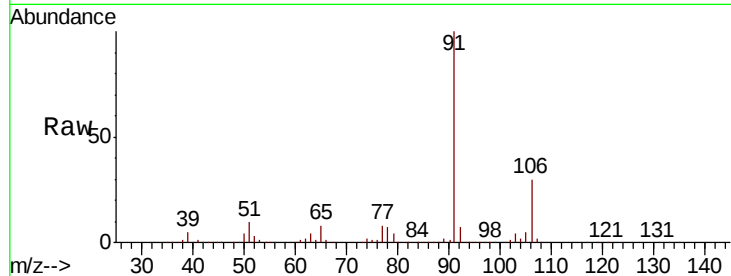
#67
Ethyl Benzene
Concen: 19.35 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBSD01

Tot Ion: 91 Resp: 356446
Ion Ratio Lower Upper
91 100
106 30.2 25.9 38.9

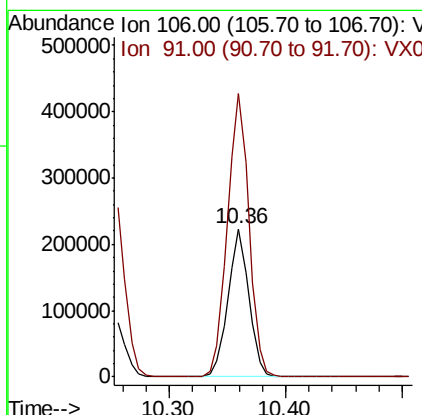
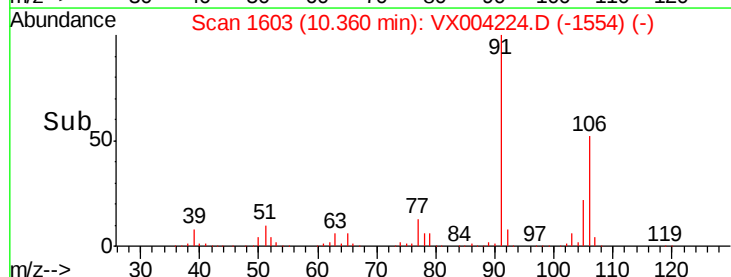
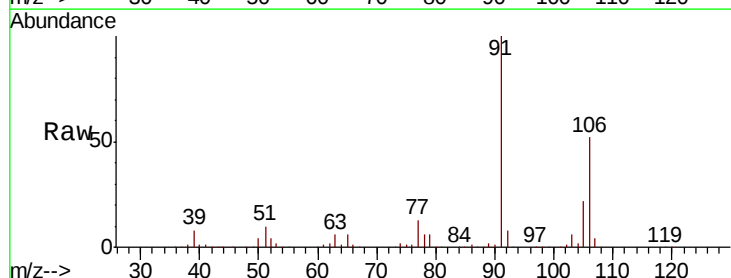
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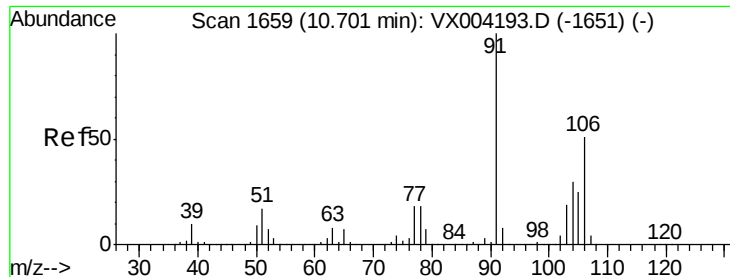
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#68
m/p-Xylenes
Concen: 38.65 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Tgt Ion: 106 Resp: 278431
Ion Ratio Lower Upper
106 100
91 197.5 157.1 235.7





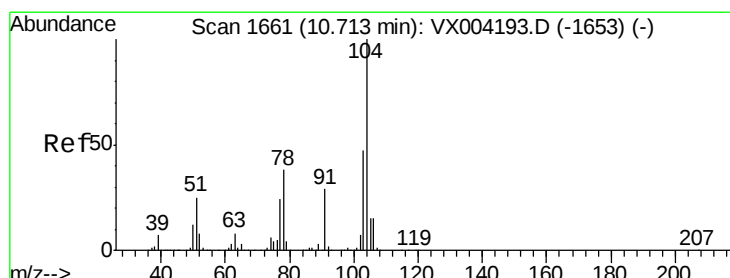
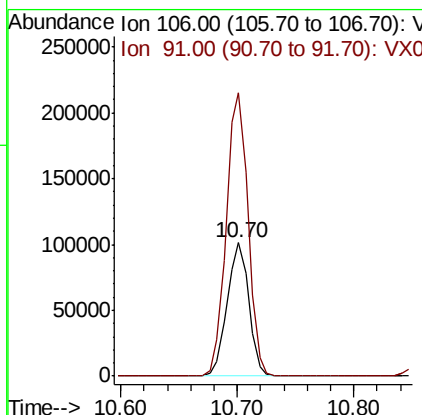
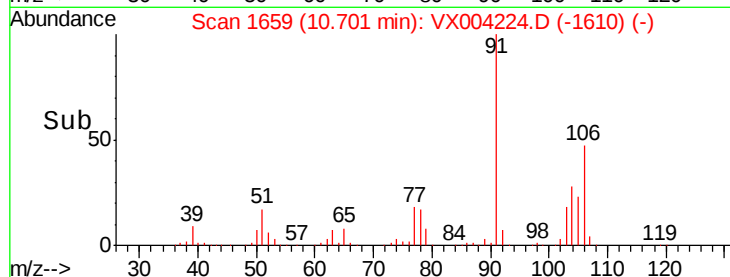
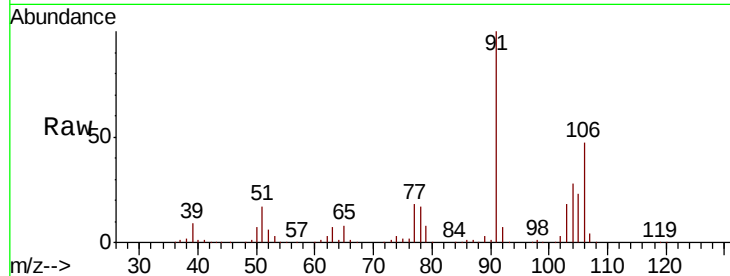
#69
o-Xylene
Concen: 19.19 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.3	105.1	315.1

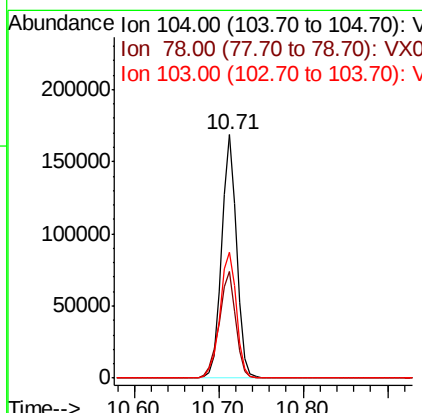
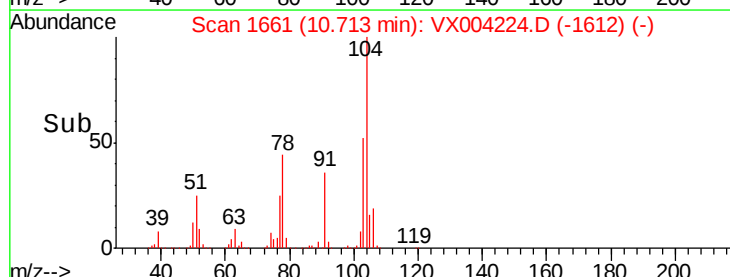
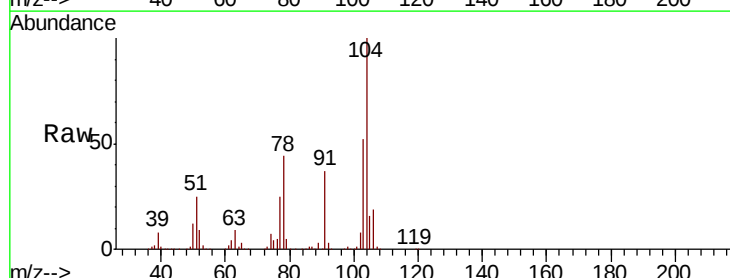
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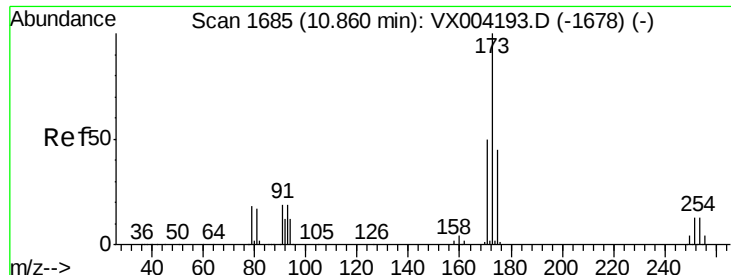
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#70
Styrene
Concen: 18.99 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.6	37.4	56.0
103	56.8	43.8	65.6





#71

Bromoform

Concen: 17.25 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBSD01

Tot Ion:173 Resp: 54394

Ion Ratio Lower Upper

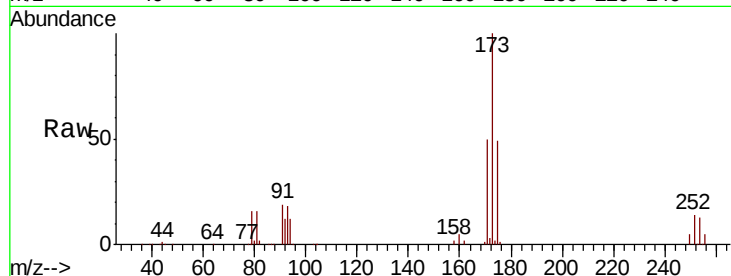
173 100

175 48.8 24.1 72.3

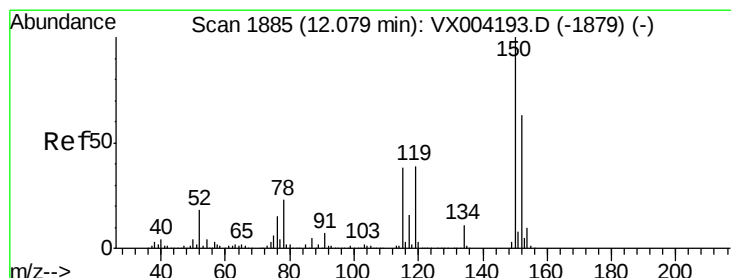
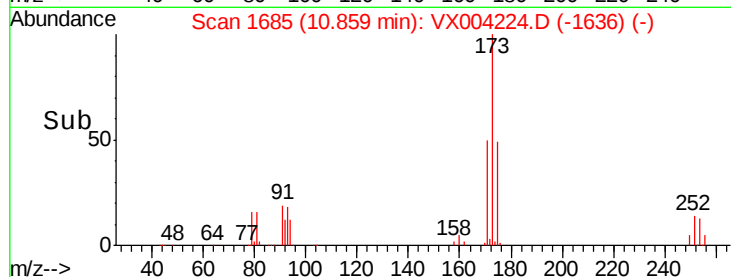
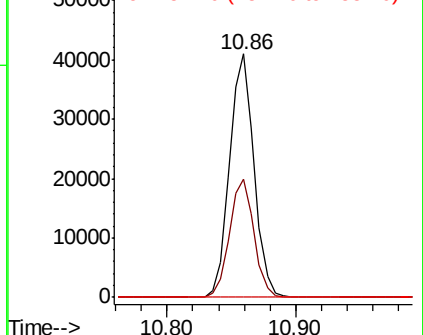
254 0.2 0.2 0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

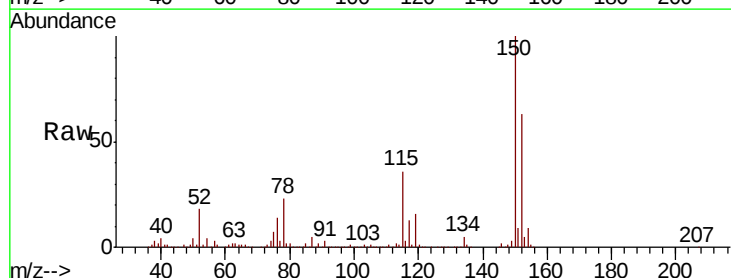
Tgt Ion:152 Resp: 272903

Ion Ratio Lower Upper

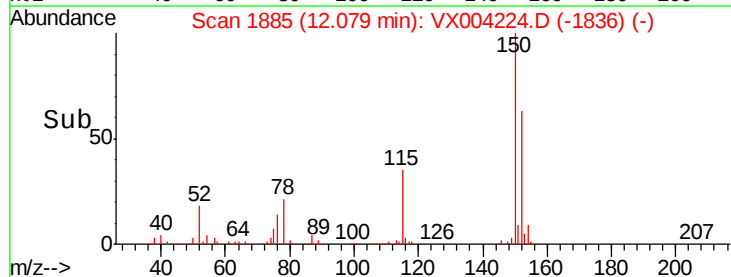
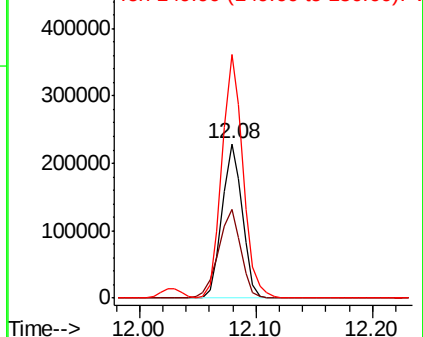
152 100

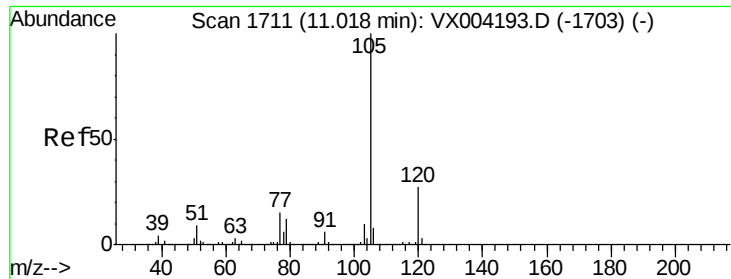
115 63.6 39.0 117.0

150 165.3 0.0 351.0



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





#73

Isopropylbenzene

Concen: 20.50 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBSD01

Tot Ion:105 Resp: 367379

Ion Ratio Lower Upper

105 100

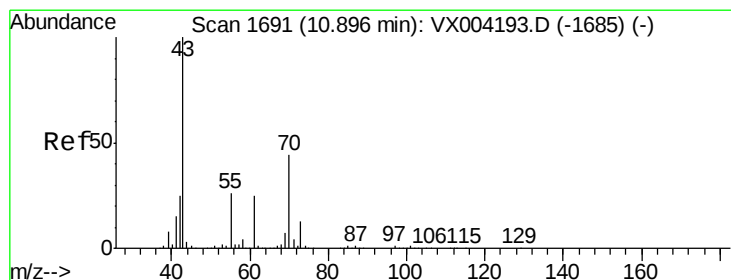
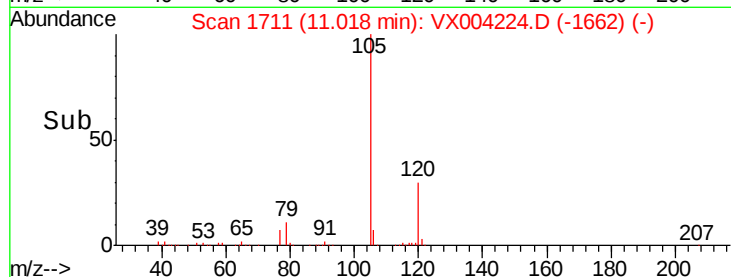
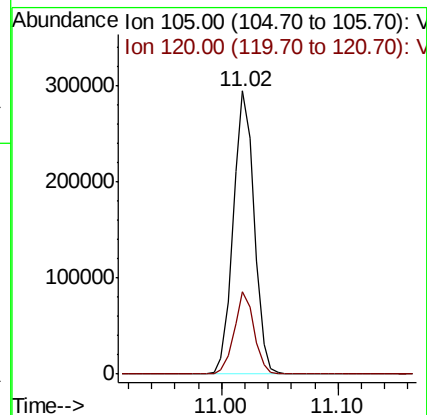
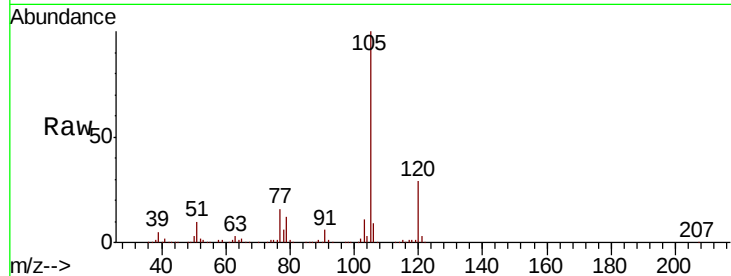
120 27.6 13.5 40.4

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#74

N-ethyl acetate

Concen: 19.78 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Tgt Ion: 43 Resp: 136522

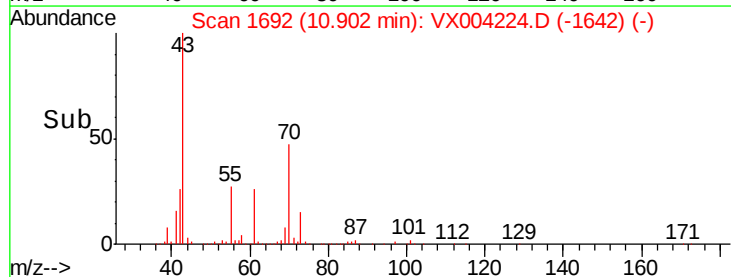
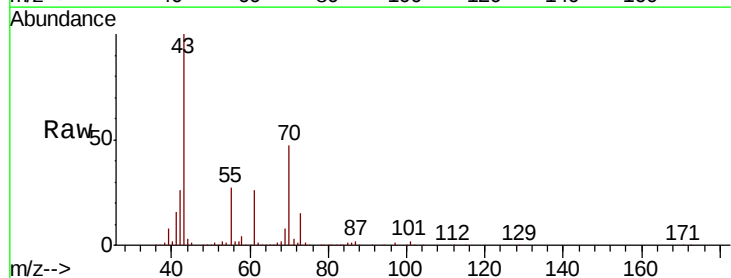
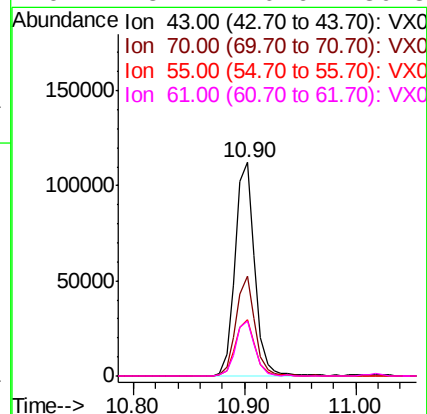
Ion Ratio Lower Upper

43 100

70 45.4 37.4 56.0

55 27.0 21.8 32.8

61 25.4 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.38 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBSD01

Tot Ion: 83 Resp: 121543
Ion Ratio Lower Upper

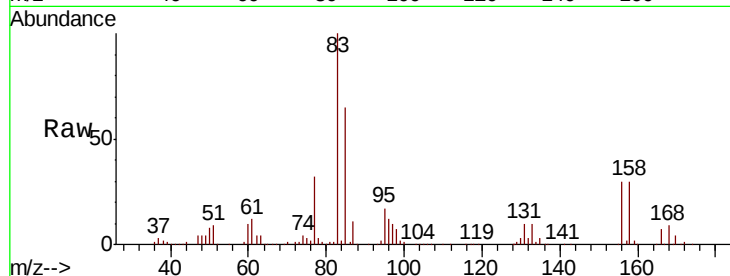
83 100

131 10.4 5.2 15.6

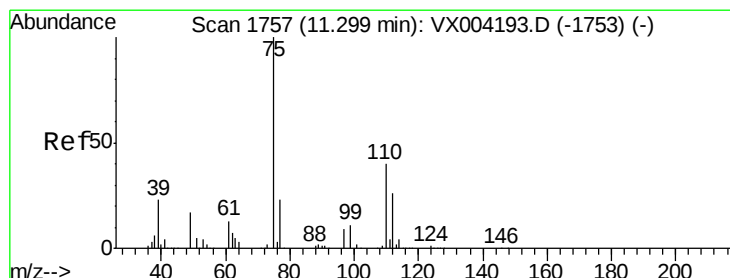
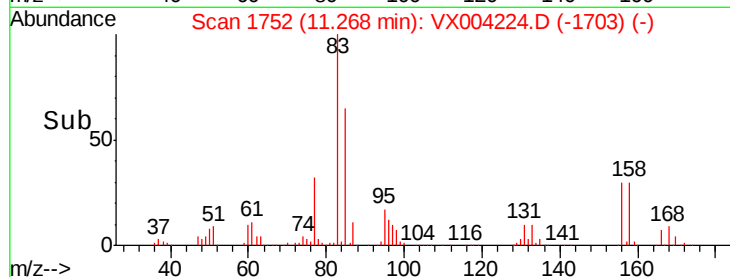
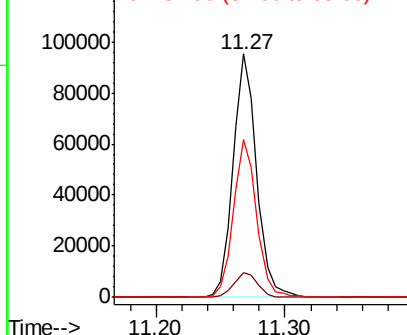
85 64.3 32.3 96.8

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 19.49 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

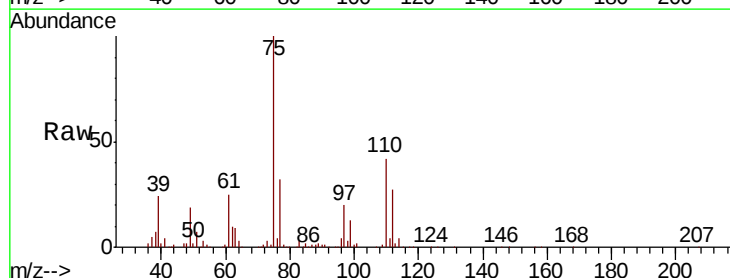
Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

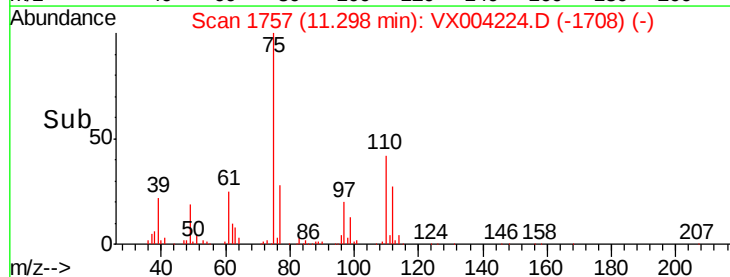
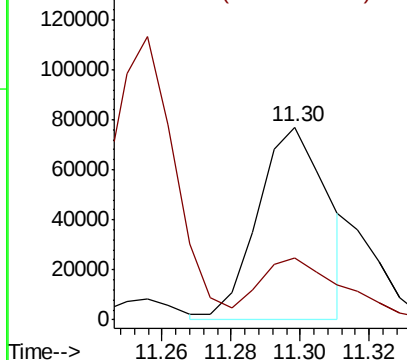
Tgt Ion: 75 Resp: 108193
Ion Ratio Lower Upper

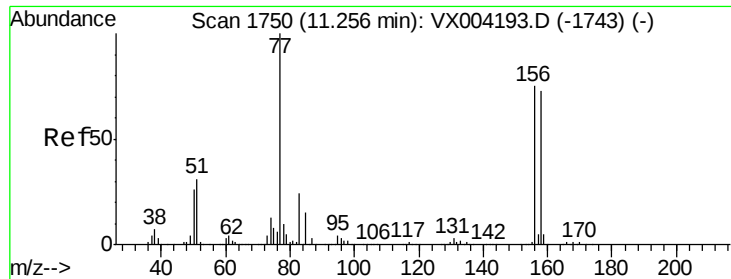
75 100

77 38.3 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.17 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Instrument :

MSVOA_X

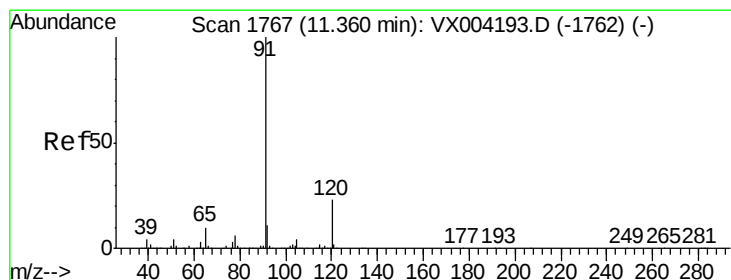
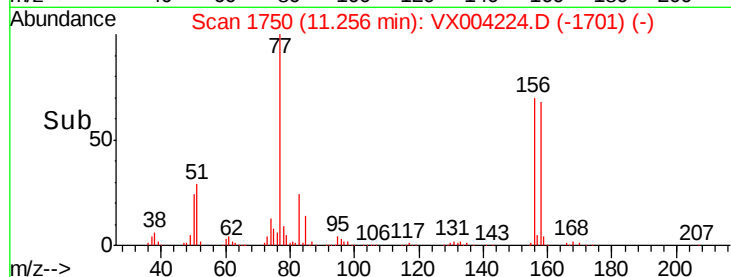
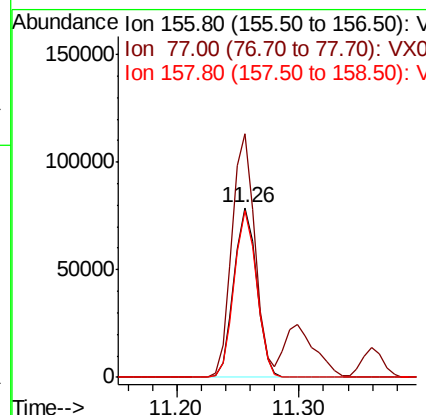
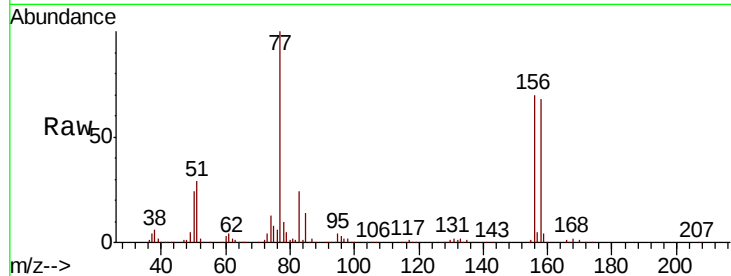
ClientSampleId :

VX0823WBSD01

Tot Ion:	156	Resp:	101430
Ion Ratio	Lower	Upper	
156	100		
77	145.0	71.5	214.3
158	97.1	48.9	146.8

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#78

n-propylbenzene

Concen: 20.05 ug/l

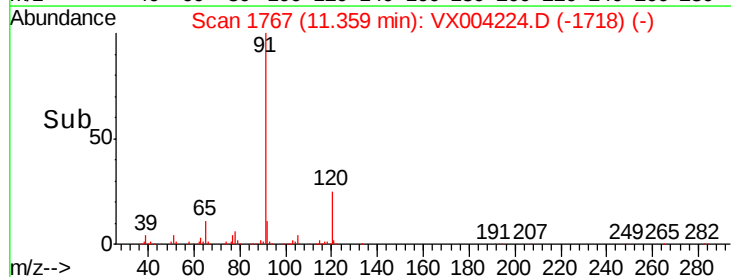
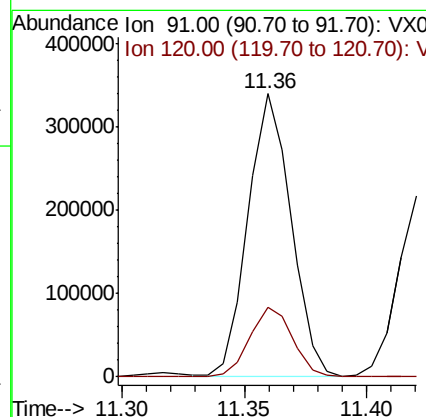
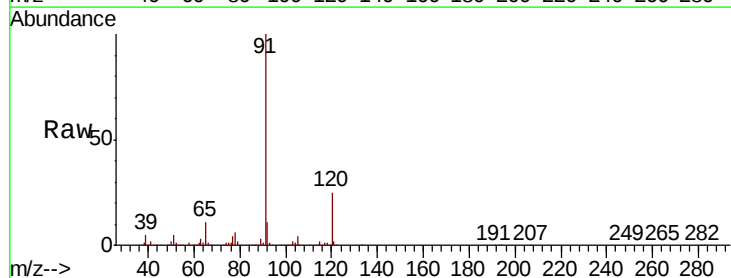
RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Tgt Ion:	91	Resp:	413260
Ion Ratio	Lower	Upper	
91	100		
120	24.5	11.9	35.9





#79

2-Chlorotoluene

Concen: 20.62 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Instrument :

MSVOA_X

ClientSampled :

VX0823WBSD01

Tot Ion: 91 Resp: 261639

Ion Ratio Lower Upper

91 100

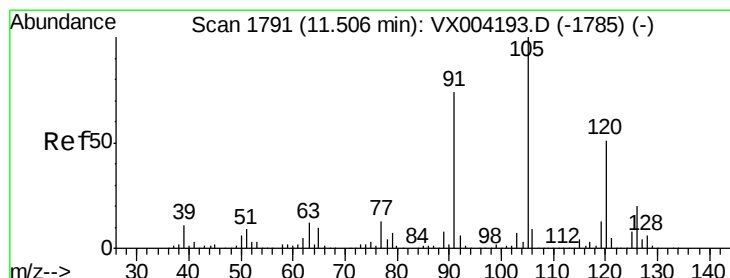
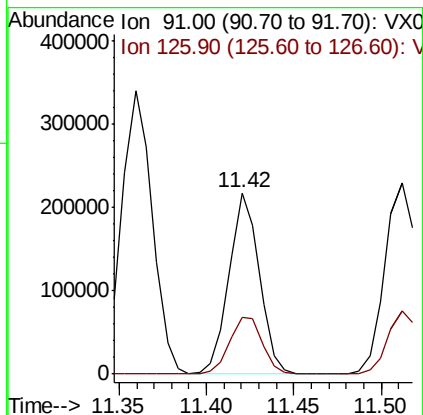
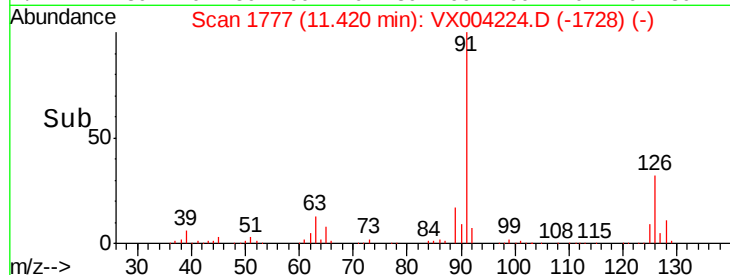
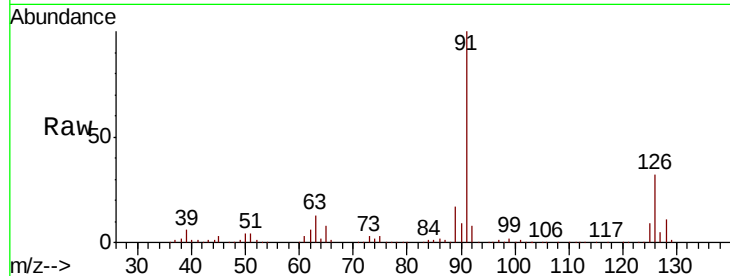
126 34.0 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 21.07 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004224.D

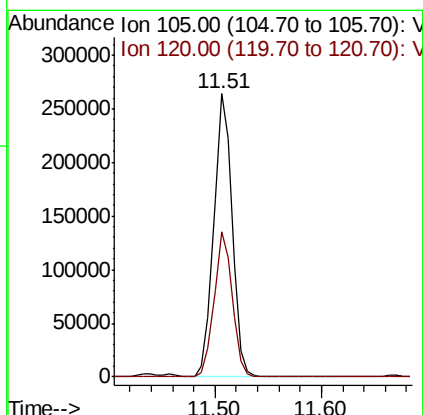
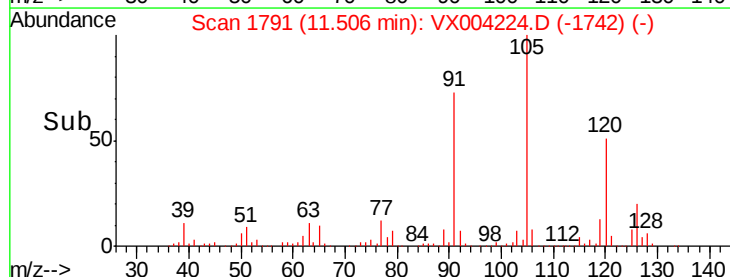
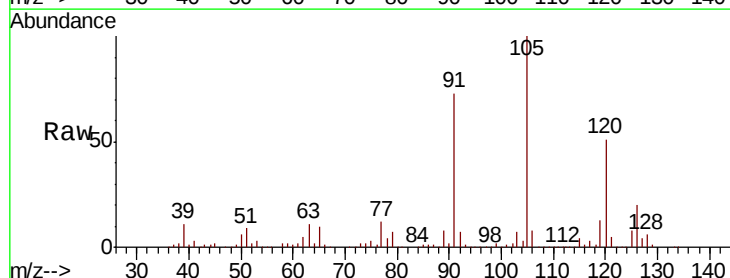
Acq: 23 Aug 2018 14:06

Tgt Ion: 105 Resp: 312780

Ion Ratio Lower Upper

105 100

120 50.7 25.6 76.8





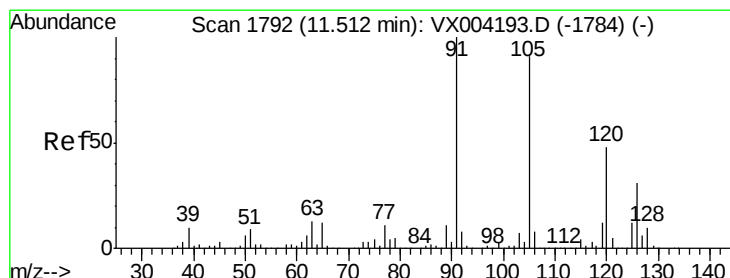
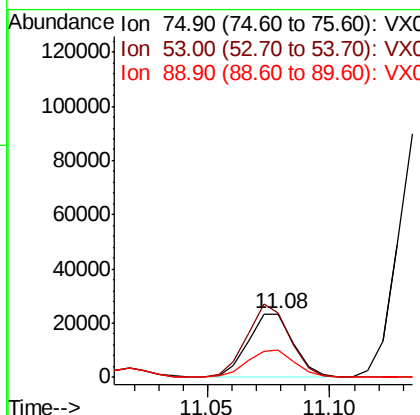
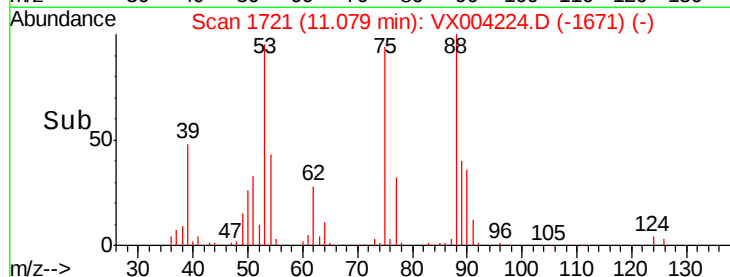
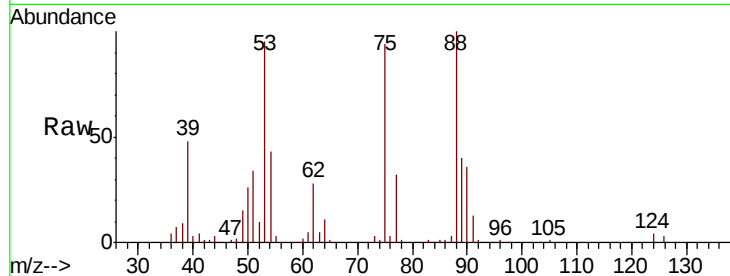
#81
trans-1,4-Dichloro-2-butene
Concen: 17.67 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.01 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.1	80.1	120.1
89	44.4	37.2	55.8

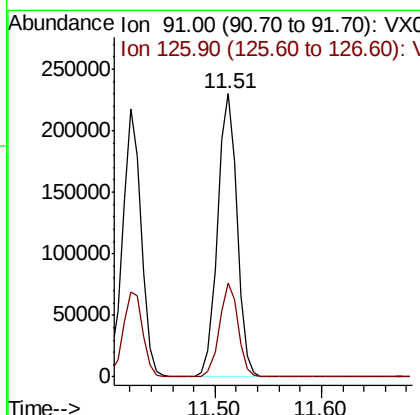
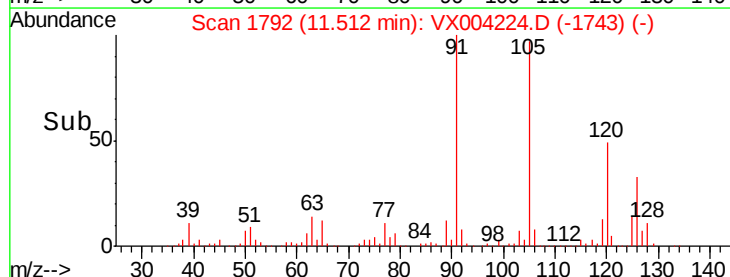
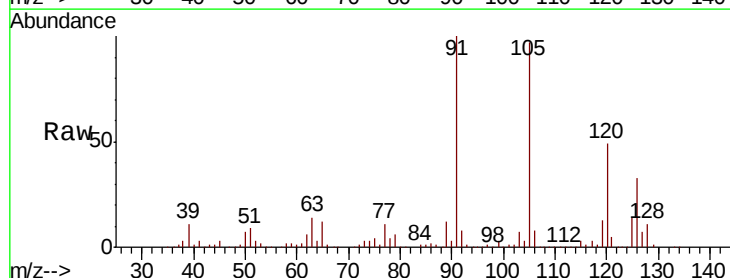
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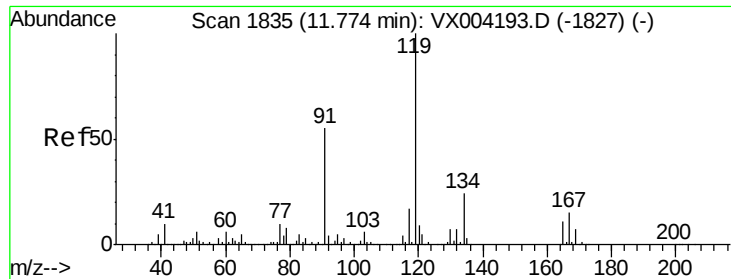
MMDadoda
8/24/2018 11:35:28 AM



#82
4-Chlorotoluene
Concen: 19.57 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.5	46.5





#83

tert-Butylbenzene

Concen: 20.67 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Instrument :

MSVOA_X

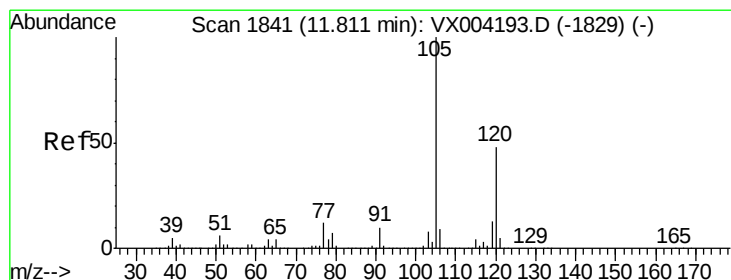
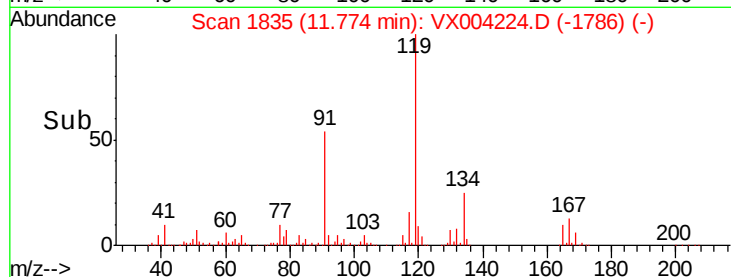
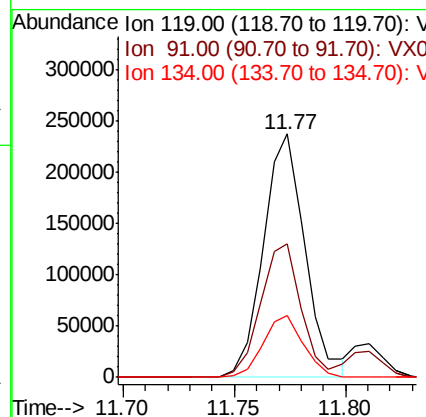
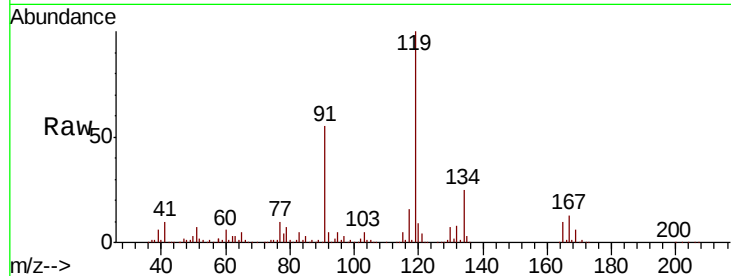
ClientSampleId :

VX0823WBSD01

Tot Ion:	119	Resp:	308754
Ion Ratio	Lower	Upper	
119	100		
91	53.0	27.0	81.0
134	24.6	11.7	35.1

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#84

1,2,4-Trimethylbenzene

Concen: 21.18 ug/l

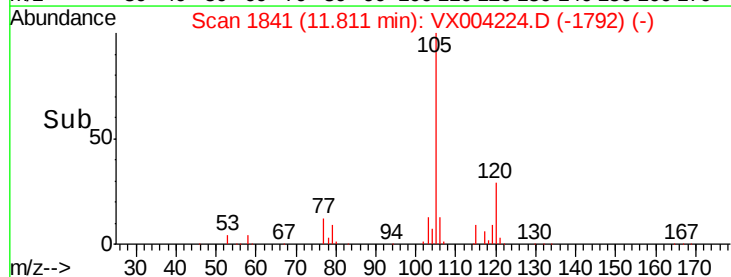
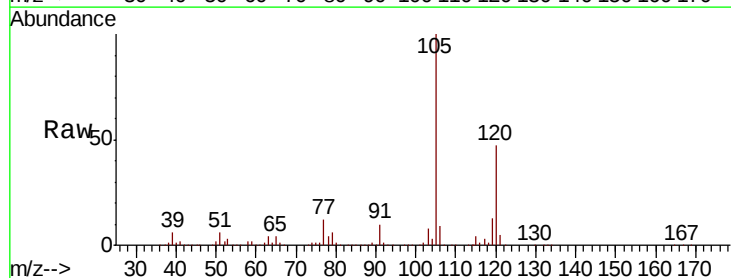
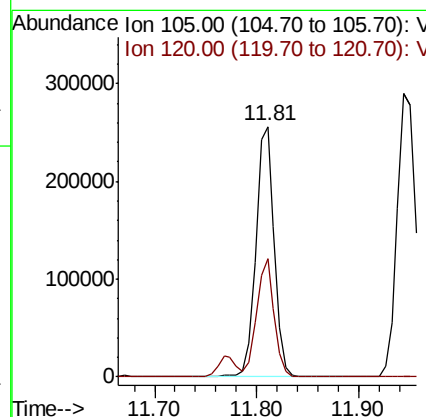
RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Tgt Ion:	105	Resp:	322718
Ion Ratio	Lower	Upper	
105	100		
120	45.3	23.2	69.6





#85

sec-Butylbenzene

Concen: 20.83 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Instrument :

MSVOA_X

ClientSampleId :

VX0823WBSD01

Tot Ion:105 Resp: 369305

Ion Ratio Lower Upper

105 100

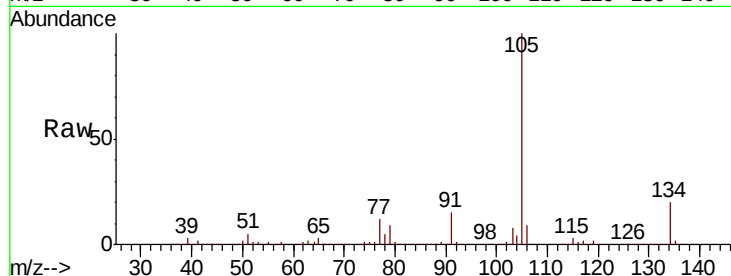
134 20.8 10.5 31.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

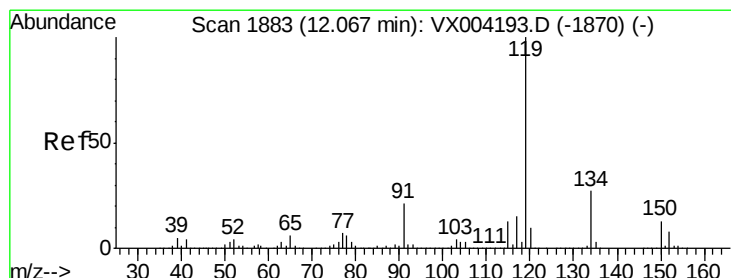
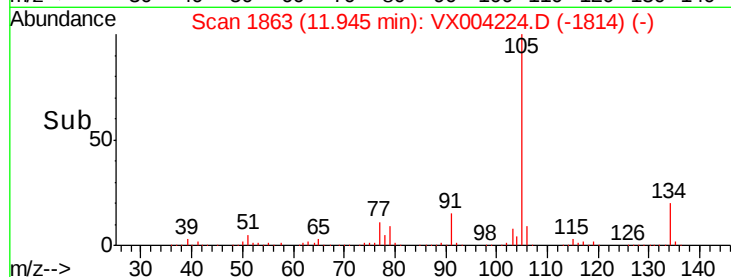
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.62 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

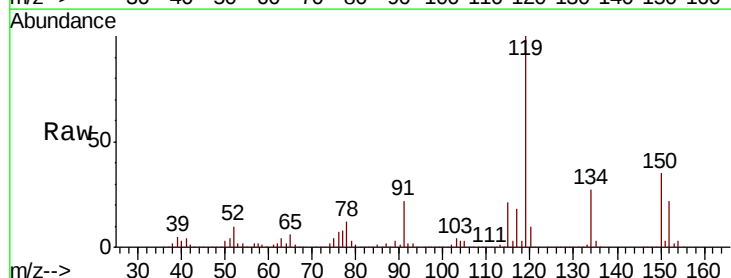
Tgt Ion:119 Resp: 327716

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 22.3 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

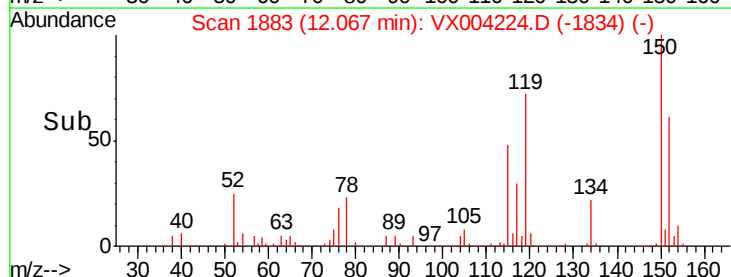
300000

200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.38 ug/l

RT: 12.02 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Instrument :

MSVOA_X

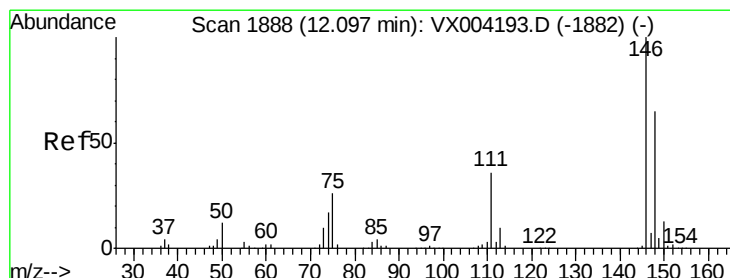
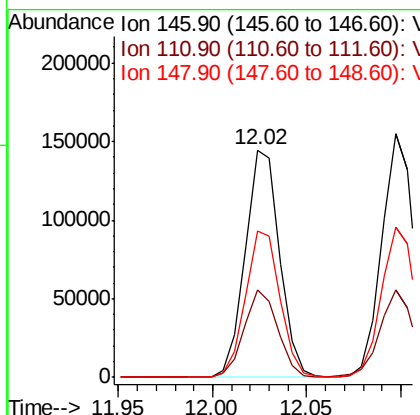
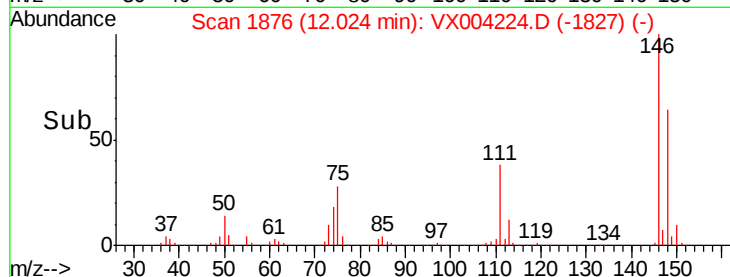
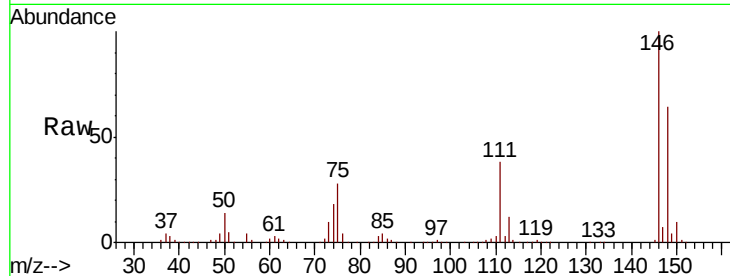
ClientSampleId :

VX0823WBSD01

Tot Ion:	146	Resp:	183463
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.7	56.1
148	64.4	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 18.76 ug/l

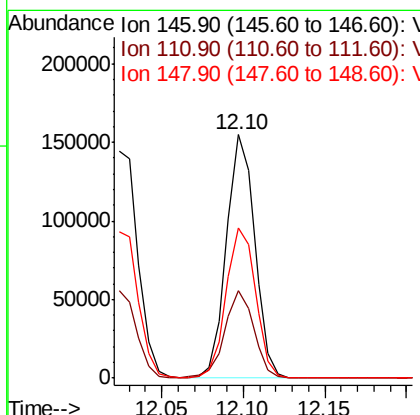
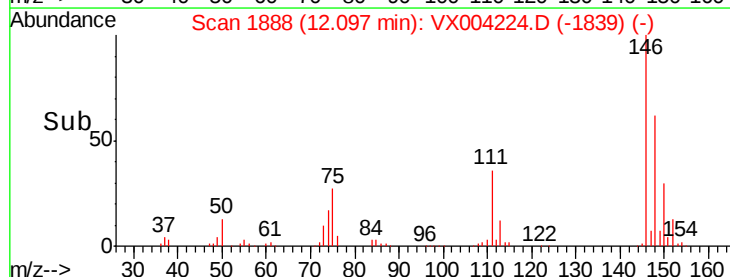
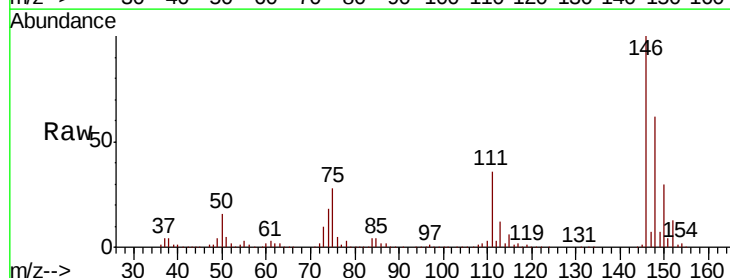
RT: 12.10 min Scan# 1888

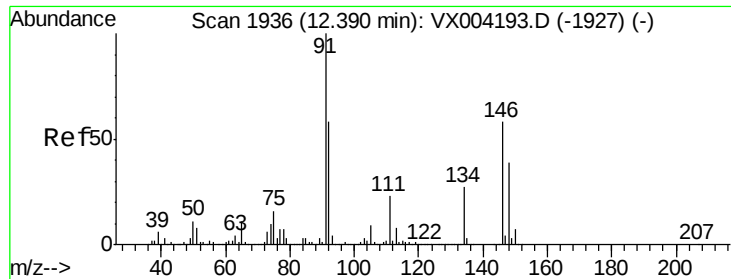
Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Tgt Ion:	146	Resp:	187219
Ion Ratio	Lower	Upper	
146	100		
111	36.9	18.1	54.1
148	64.4	32.0	96.0





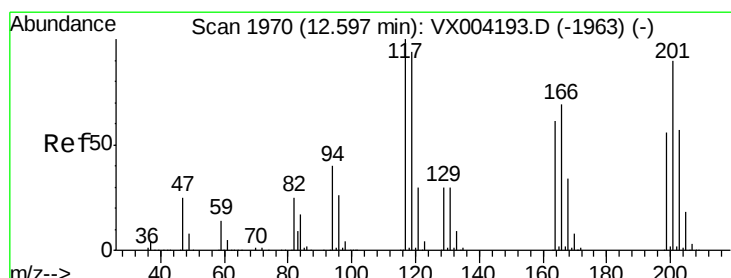
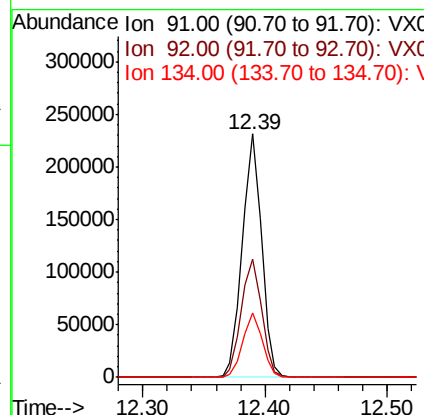
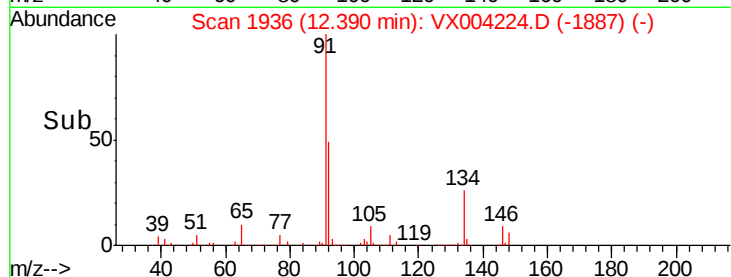
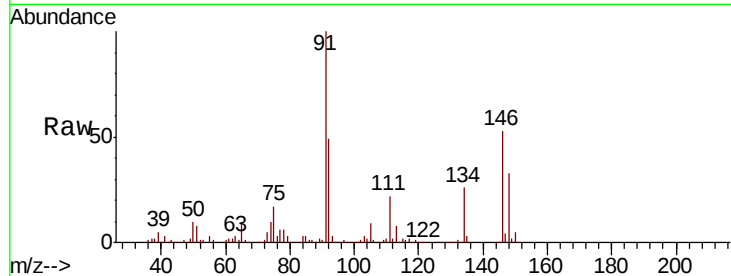
#89
n-Butylbenzene
Concen: 19.40 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Instrument :
MSVOA_X
ClientSampleId :
VX0823WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	250715		
92	51.6		27.3	81.9
134	26.8		13.6	40.7

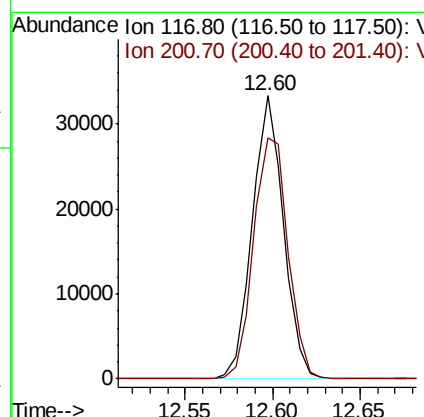
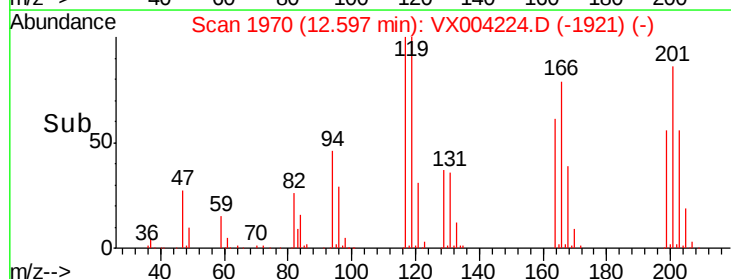
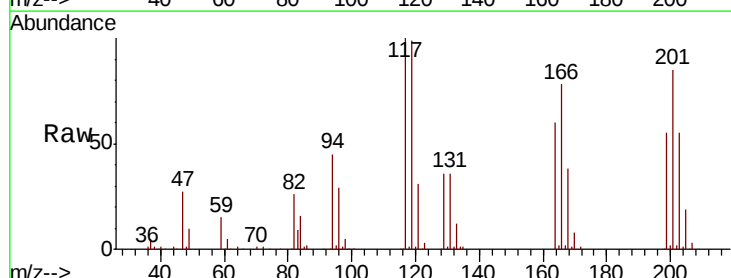
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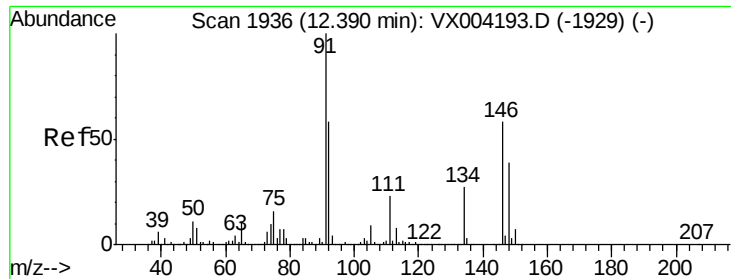
MMDadoda
8/24/2018 11:35:28 AM



#90
Hexachloroethane
Concen: 18.58 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004224.D
Acq: 23 Aug 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	41263		
201	93.9		46.9	140.6





#91

1,2-Dichlorobenzene

Concen: 18.57 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Instrument :

MSVOA_X

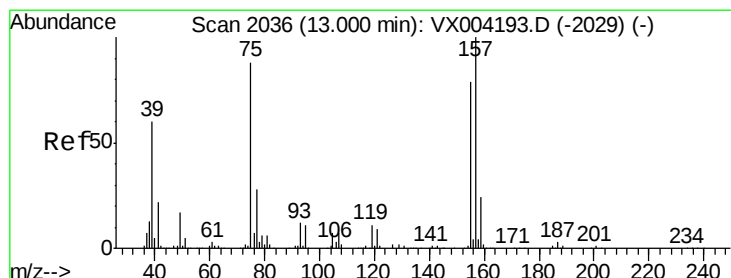
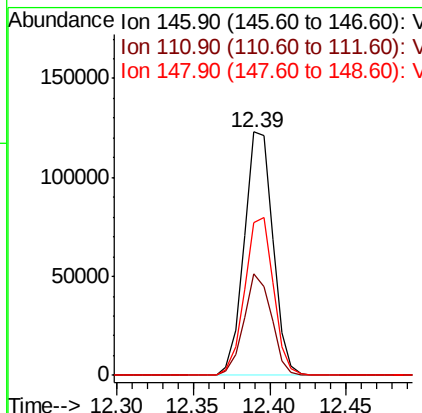
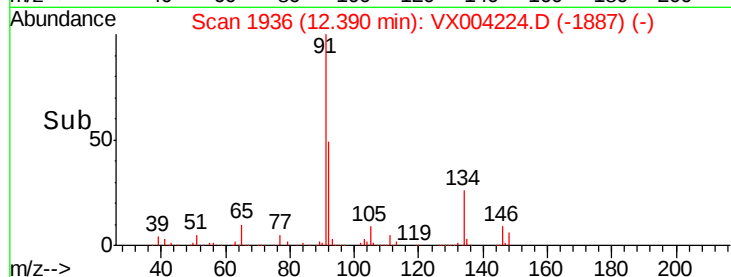
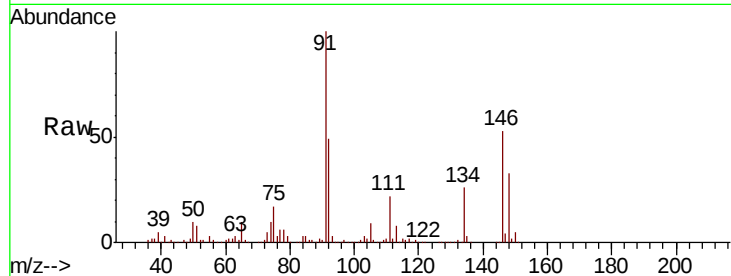
ClientSampleId :

VX0823WBSD01

Tot Ion:	146	Resp:	160695
Ion Ratio	Lower	Upper	
146	100		
111	40.1	19.4	58.1
148	64.6	32.8	98.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.09 ug/l

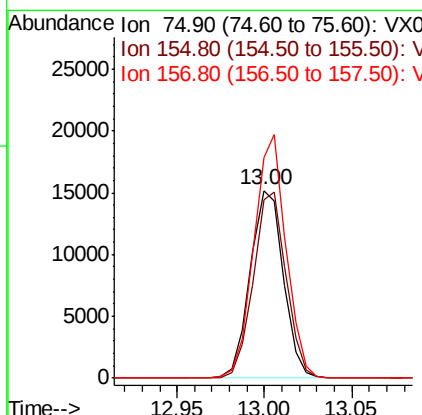
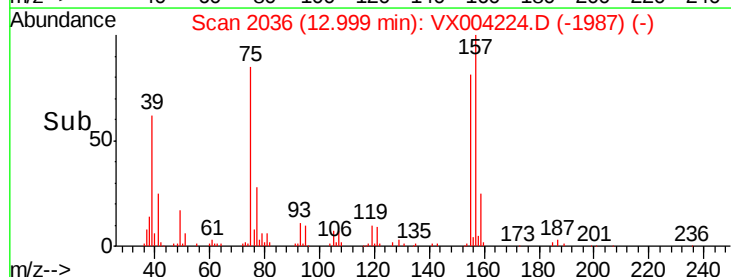
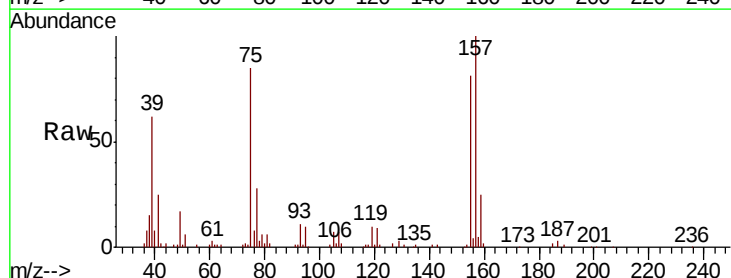
RT: 13.00 min Scan# 2036

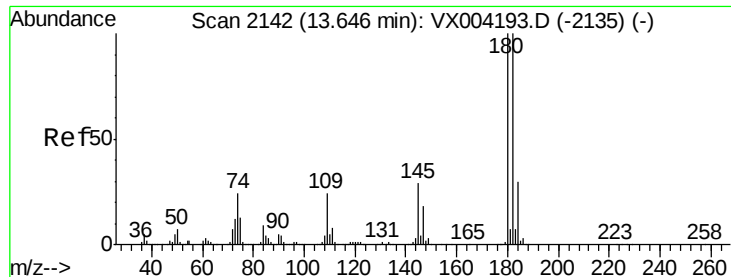
Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Tgt Ion:	75	Resp:	19989
Ion Ratio	Lower	Upper	
75	100		
155	97.4	48.0	144.2
157	125.4	61.4	184.1





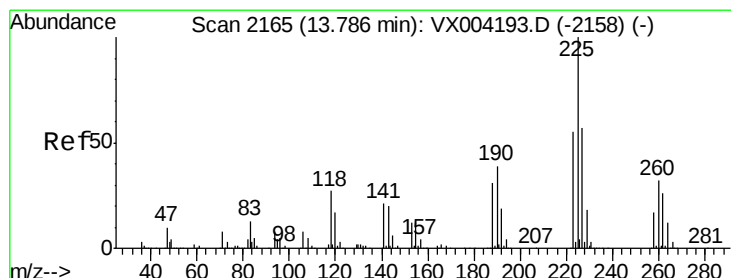
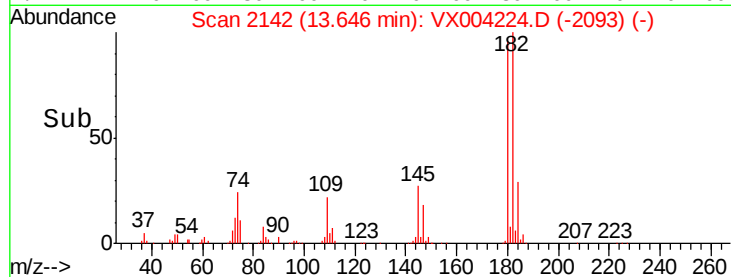
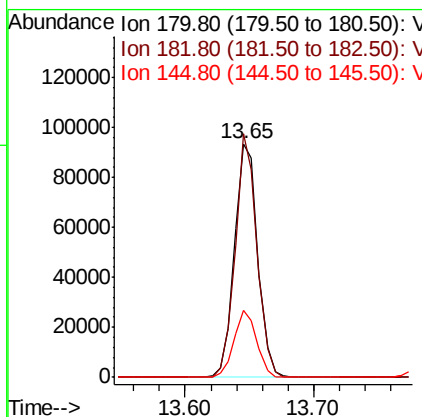
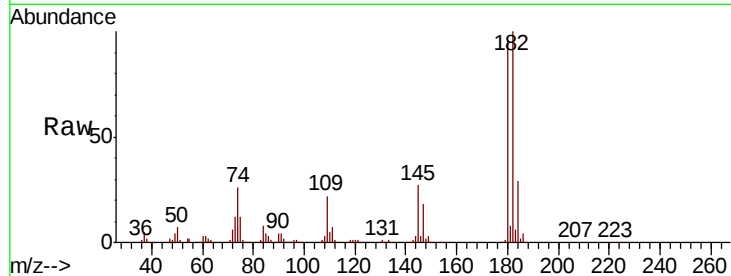
#93
 1,2,4-Trichlorobenzene
 Concen: 18.63 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004224.D
 Acq: 23 Aug 2018 14:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0823WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	117301		
182	97.5	48.4	145.0	
145	28.1	14.3	42.9	

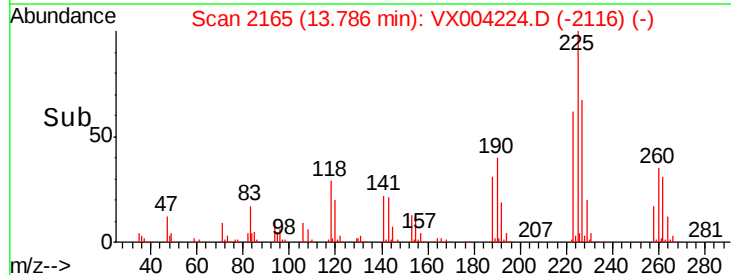
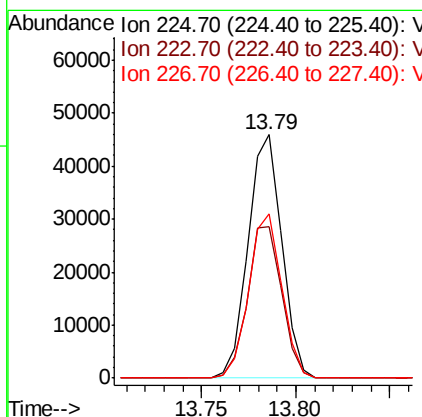
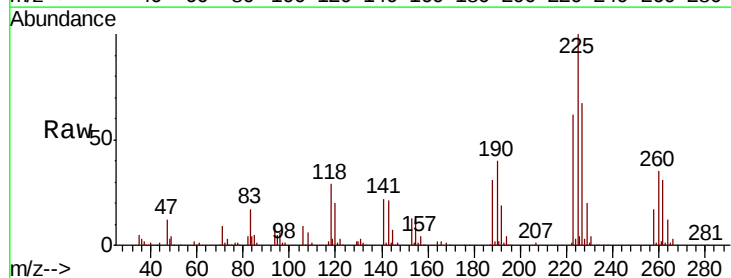
Manual Integrations
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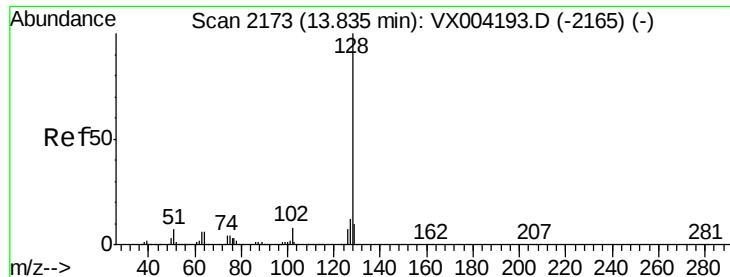
MMDadoda
 8/24/2018 11:35:28 AM



#94
 Hexachlorobutadiene
 Concen: 19.36 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004224.D
 Acq: 23 Aug 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	56955		
223	63.4	30.1	90.5	
227	66.1	30.8	92.4	





#95

Naphthalene

Concen: 20.42 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Instrument :

MSVOA_X

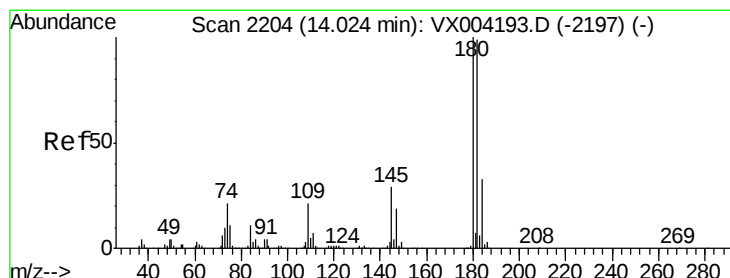
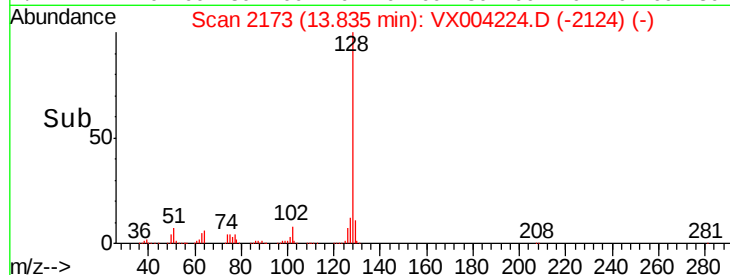
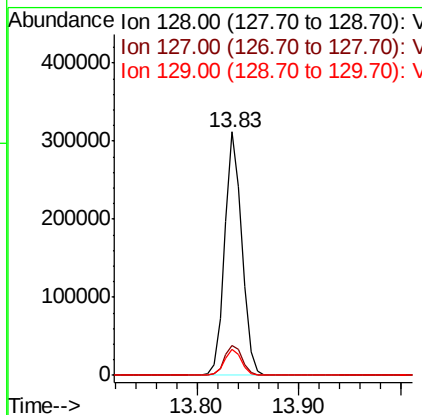
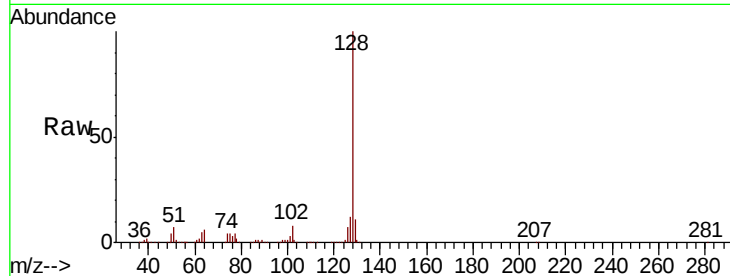
ClientSampleId :

VX0823WBSD01

Tot Ion:	128	Resp:	363602
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
8/24/2018 11:35:28 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.40 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004224.D

Acq: 23 Aug 2018 14:06

Tgt Ion:	180	Resp:	129306
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.5	145.6
145	29.2	14.9	44.9

