

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090618\
 Data File : VX004386.D
 Acq On : 06 Sep 2018 15:45
 Operator : JC/MD
 Sample : VX0906WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906WBSD01

Manual Integrations
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 9/7/2018 1:42:56 PM

Quant Time: Sep 07 06:36:04 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	344954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	499140	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	468813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	269621	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	214406	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
35) Dibromofluoromethane	5.50	113	186313	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
50) Toluene-d8	8.71	98	691864	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
62) 4-Bromofluorobenzene	11.14	95	263314	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	61473	15.39	ug/l	96
3) Chloromethane	1.32	50	69970	16.04	ug/l	97
4) Vinyl Chloride	1.40	62	82350	18.22	ug/l	98
5) Bromomethane	1.63	94	43048	18.03	ug/l	99
6) Chloroethane	1.71	64	65636	19.67	ug/l	100
7) Trichlorofluoromethane	1.92	101	117742	19.01	ug/l	96
8) Diethyl Ether	2.18	74	54162	20.42	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	75017	19.34	ug/l	99
10) Methyl Iodide	2.51	142	72143	19.34	ug/l	99
11) Tert butyl alcohol	3.07	59	107868	112.55	ug/l	99
12) 1,1-Dichloroethene	2.37	96	70058	19.17	ug/l	99
13) Acrolein	2.29	56	17500	75.74	ug/l	97
14) Allyl chloride	2.72	41	137082	20.42	ug/l	97
15) Acrylonitrile	3.15	53	254403	107.19	ug/l	100
16) Acetone	2.45	43	213771	112.02	ug/l	98
17) Carbon Disulfide	2.56	76	166647	16.96	ug/l	100
18) Methyl Acetate	2.78	43	184944	27.72	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	253901	21.08	ug/l	98
20) Methylene Chloride	2.85	84	85672	19.79	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	75494	18.66	ug/l	99
22) Diisopropyl ether	3.87	45	259704	20.72	ug/l	99
23) Vinyl Acetate	3.82	43	967004	95.17	ug/l	99
24) 1,1-Dichloroethane	3.69	63	150339	20.58	ug/l	98
25) 2-Butanone	4.70	43	331427	108.40	ug/l	98
26) 2,2-Dichloropropane	4.58	77	109359	19.09	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	89776	19.57	ug/l	99
28) Bromochloromethane	5.01	49	67236	20.79	ug/l	99
29) Tetrahydrofuran	5.16	42	207337	107.33	ug/l	100
30) Chloroform	5.21	83	147648	20.16	ug/l	100
31) Cyclohexane	5.57	56	119114	18.90	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	120553	19.74	ug/l	99
36) 1,1-Dichloropropene	5.79	75	106101	18.91	ug/l	99
37) Ethyl Acetate	4.86	43	113234	20.52	ug/l	99
38) Carbon Tetrachloride	5.78	117	102929	19.50	ug/l	98

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 Sample : VX0906WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0906WBSD01

Manual Integrations
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 9/7/2018 1:42:56 PM

Quant Time: Sep 07 06:36:04 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	118524	18.50	ug/l	99
40) Benzene	6.14	78	335508	20.01	ug/l	99
41) Methacrylonitrile	5.06	41	67696	21.16	ug/l	100
42) 1,2-Dichloroethane	6.20	62	113651	19.87	ug/l	99
43) Isopropyl Acetate	6.46	43	176630	20.83	ug/l	99
44) Trichloroethene	7.21	130	89770	19.34	ug/l	100
45) 1,2-Dichloropropane	7.51	63	87375	20.82	ug/l	99
46) Dibromomethane	7.66	93	55898	20.00	ug/l	99
47) Bromodichloromethane	7.90	83	104599	20.12	ug/l	99
48) Methyl methacrylate	7.78	41	93916	20.70	ug/l	98
49) 1,4-Dioxane	7.76	88	45955	446.07	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	629839	102.22	ug/l	100
52) Toluene	8.79	92	212076	20.21	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	114596	19.96	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	128270	20.51	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	88918	20.99	ug/l	99
56) Ethyl methacrylate	9.18	69	119906	20.79	ug/l	99
57) 1,3-Dichloropropane	9.37	76	148704	20.82	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	308070	104.24	ug/l	100
59) 2-Hexanone	9.50	43	481255	102.38	ug/l	99
60) Dibromochloromethane	9.59	129	83345	20.19	ug/l	100
61) 1,2-Dibromoethane	9.67	107	89049	20.31	ug/l	100
64) Tetrachloroethene	9.34	164	96412	20.82	ug/l	99
65) Chlorobenzene	10.14	112	224784	19.10	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	80499	19.84	ug/l	99
67) Ethyl Benzene	10.26	91	375989	19.68	ug/l	96
68) m/p-Xylenes	10.36	106	309675	41.45	ug/l	96
69) o-Xylene	10.70	106	147563	20.88	ug/l	100
70) Styrene	10.71	104	243529	21.28	ug/l	99
71) Bromoform	10.86	173	64160	19.61	ug/l #	99
73) Isopropylbenzene	11.02	105	403125	22.76	ug/l	100
74) N-amyl acetate	10.90	43	147369	21.61	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	135366	21.84	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	121621m	22.18	ug/l	
77) Bromobenzene	11.26	156	109172	21.98	ug/l	98
78) n-propylbenzene	11.36	91	457776	22.48	ug/l	99
79) 2-Chlorotoluene	11.42	91	275721	21.99	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	331915	22.63	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	35265	20.87	ug/l	99
82) 4-Chlorotoluene	11.51	91	318851	21.61	ug/l	99
83) tert-Butylbenzene	11.77	119	331026	22.44	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	346659	23.03	ug/l	99
85) sec-Butylbenzene	11.94	105	410022	23.41	ug/l	100
86) p-Isopropyltoluene	12.07	119	350664	22.34	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	192621	20.60	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	194383	19.71	ug/l	99
89) n-Butylbenzene	12.39	91	275165	21.56	ug/l	99
90) Hexachloroethane	12.60	117	45707	20.83	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	182619	21.36	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	22869	20.95	ug/l	95

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0906WBSD01

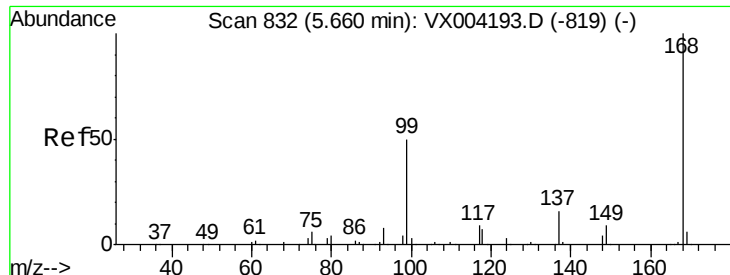
Manual Integrations
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9/7/2018 1:42:56 PM

Quant Time: Sep 07 06:36:04 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	140282	22.56	ug/l	98
94) Hexachlorobutadiene	13.79	225	73219	25.24	ug/l	97
95) Naphthalene	13.83	128	427378	24.30	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	148114	22.50	ug/l	99

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



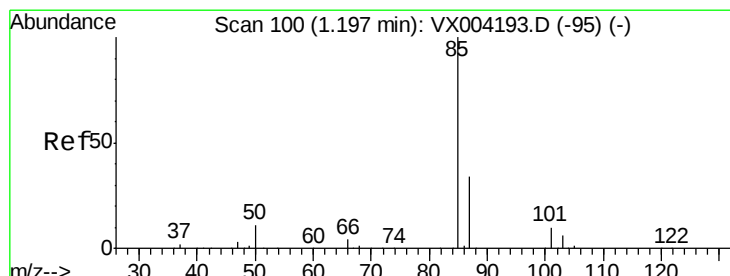
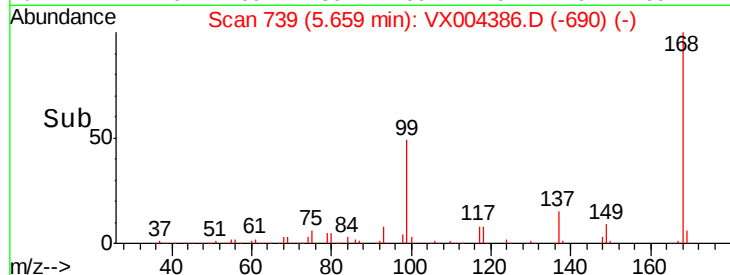
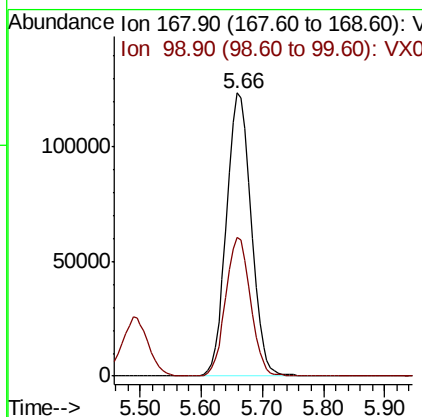
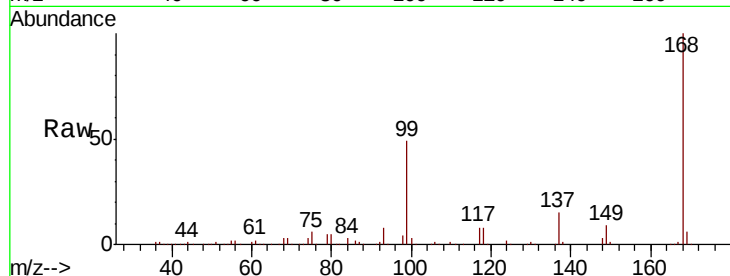
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.00 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VX0906WBSD01

Tot Ion	Ratio	Lower	Upper
168	100		
99	48.9	39.9	59.9

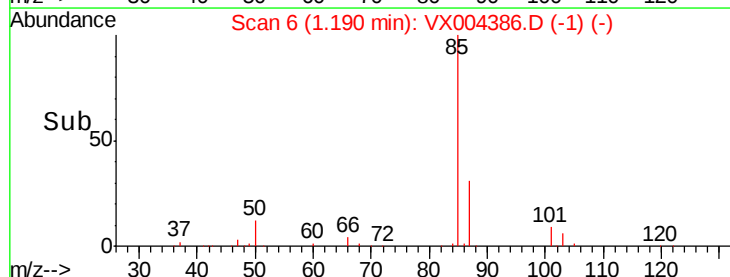
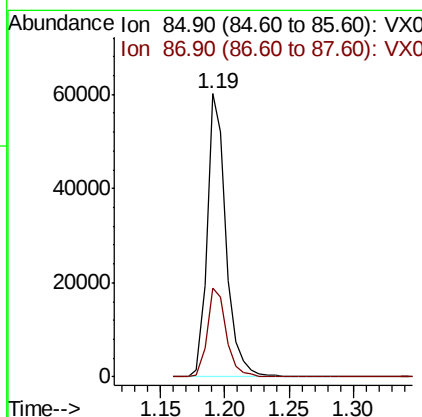
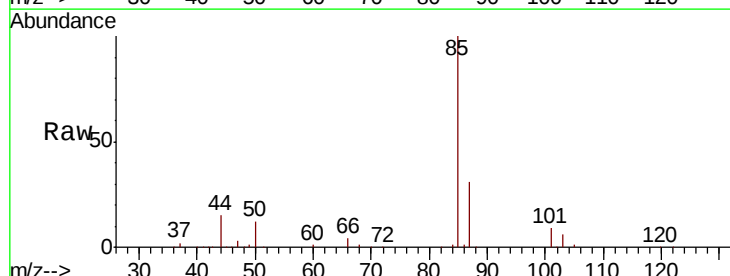
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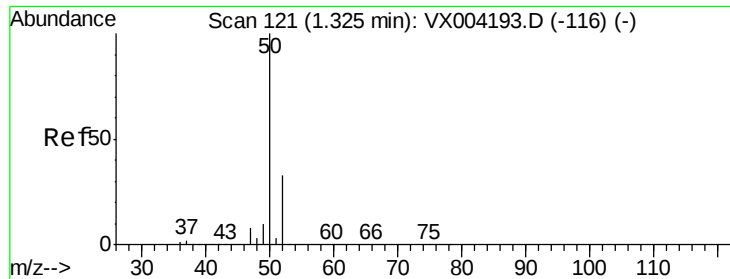
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#2
Dichlorodifluoromethane
Concen: 15.39 ug/l
RT: 1.19 min Scan# 6
Delta R.T. -0.01 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.4	17.0	50.9





#3

Chloromethane

Concen: 16.04 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.01 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

Instrument :

MSVOA_X

ClientSampled :

VX0906WBSD01

Tot Ion: 50 Resp: 69970

Ion Ratio Lower Upper

50 100

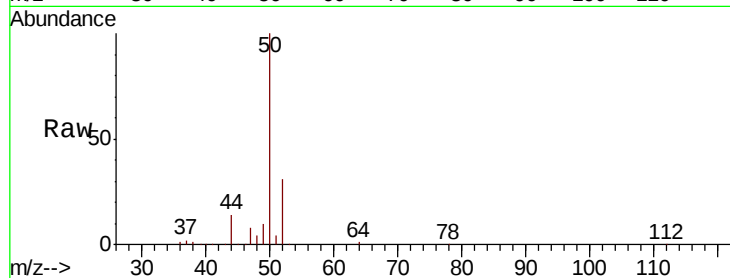
52 31.2 26.2 39.2

Manual Integrations

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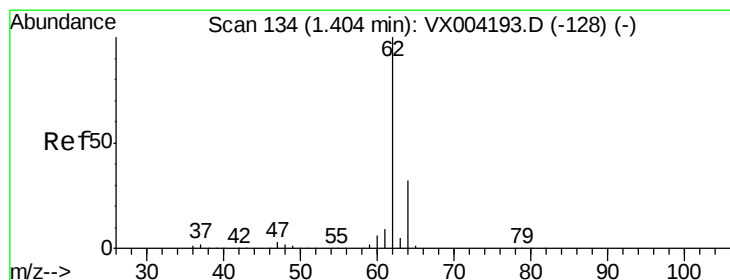
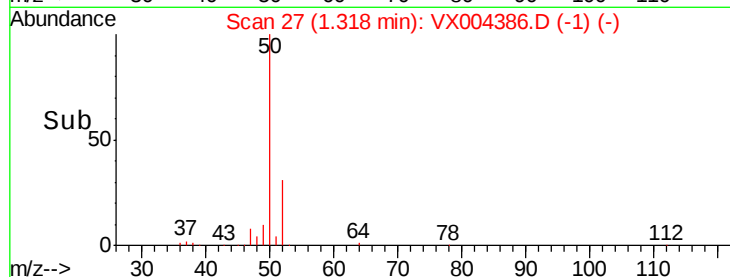
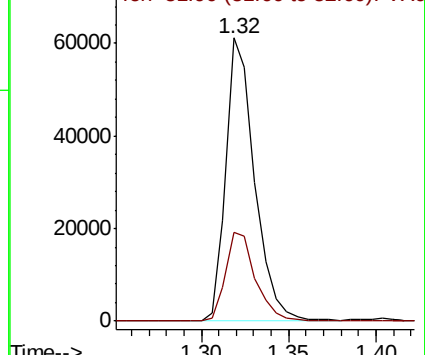
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.22 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004386.D

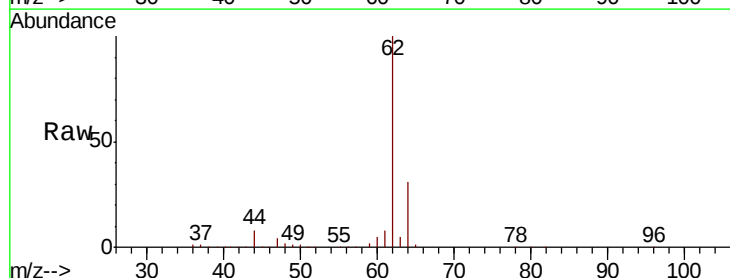
Acq: 06 Sep 2018 15:45

Tgt Ion: 62 Resp: 82350

Ion Ratio Lower Upper

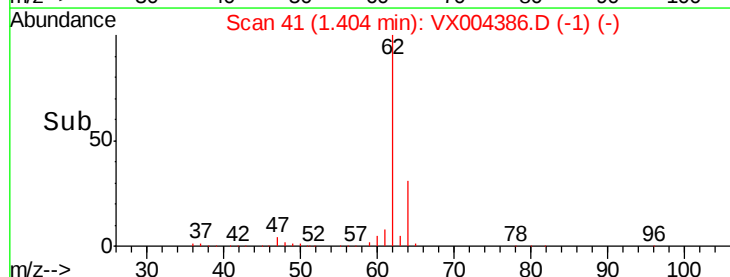
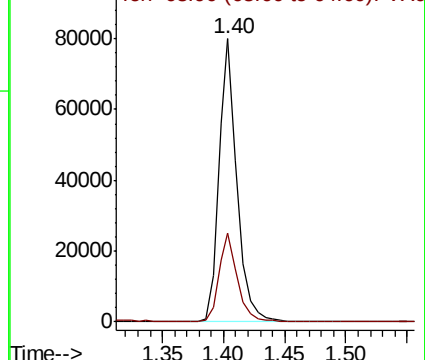
62 100

64 31.1 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.03 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VX0906WBSD01

Tot Ion: 94 Resp: 43048

Ion Ratio Lower Upper

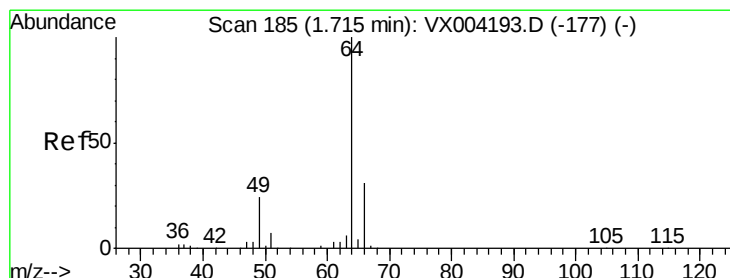
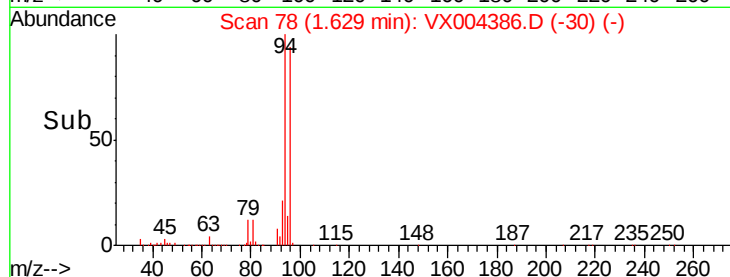
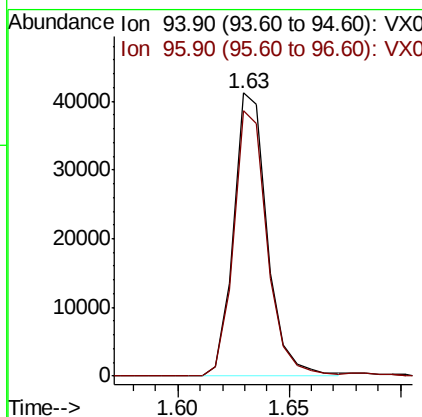
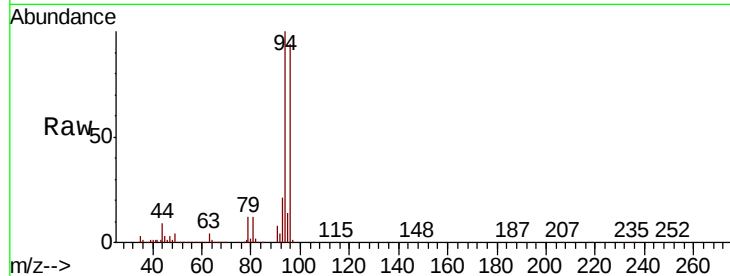
94 100

96 94.0 74.5 111.7

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#6

Chloroethane

Concen: 19.67 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX004386.D

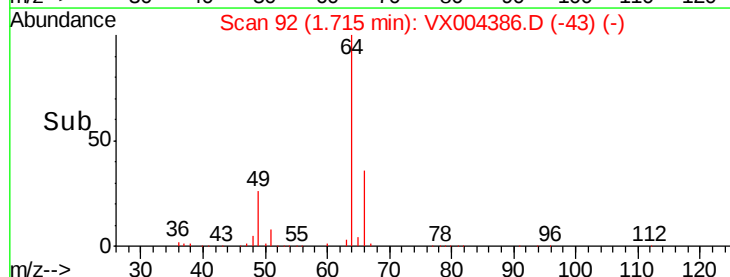
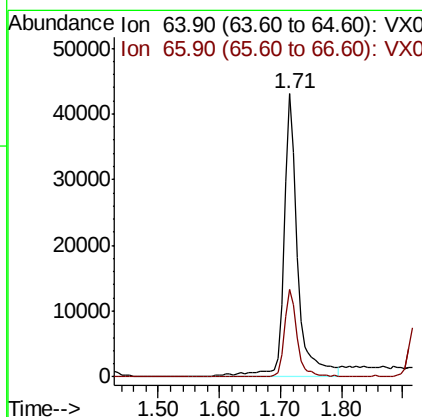
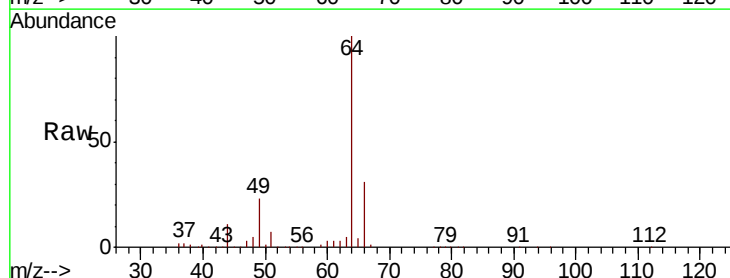
Acq: 06 Sep 2018 15:45

Tgt Ion: 64 Resp: 65636

Ion Ratio Lower Upper

64 100

66 30.9 24.6 36.8





#7

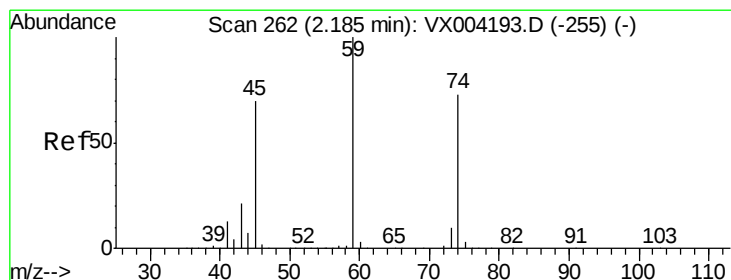
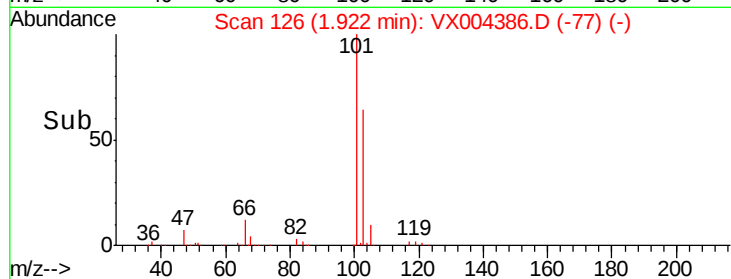
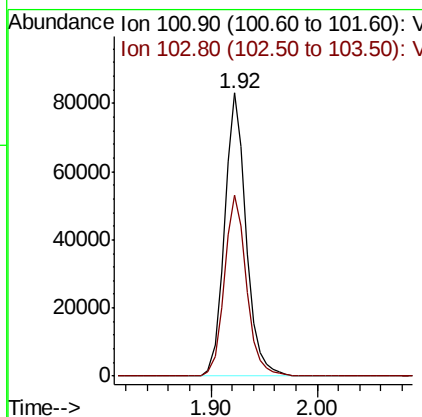
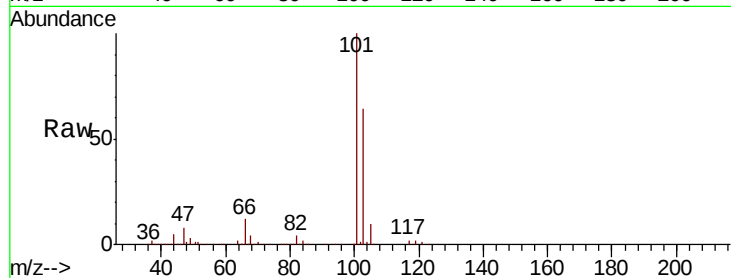
Trichlorofluoromethane
 Concen: 19.01 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX004386.D
 Acq: 06 Sep 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	48.9	73.3

Manual Integrations
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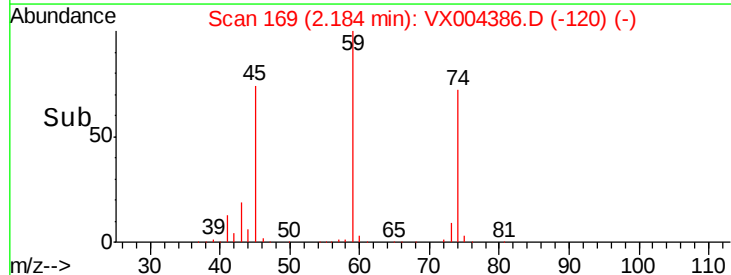
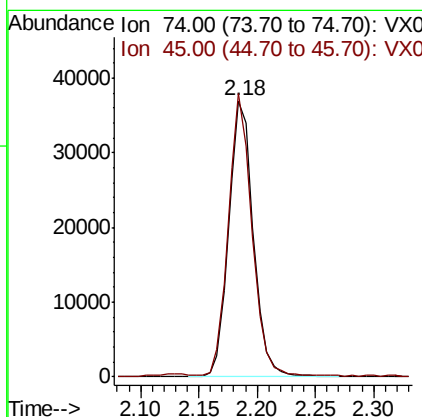
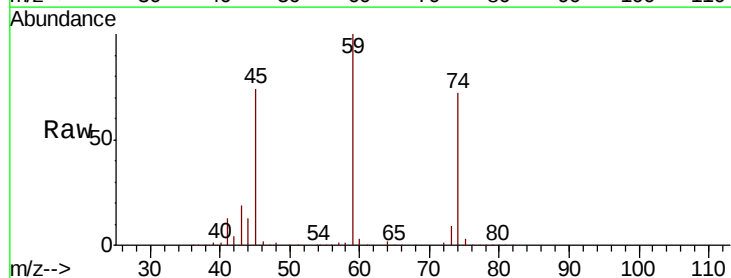
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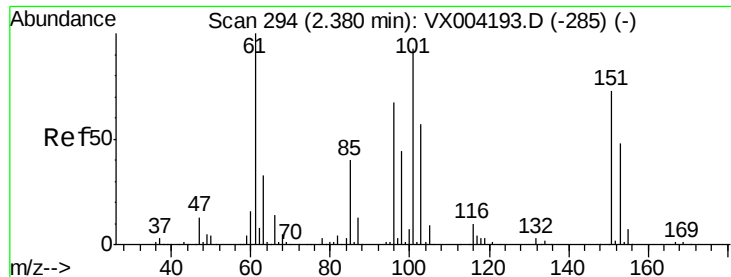


#8

Diethyl Ether
 Concen: 20.42 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX004386.D
 Acq: 06 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.3	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.34 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

Instrument :

MSVOA_X

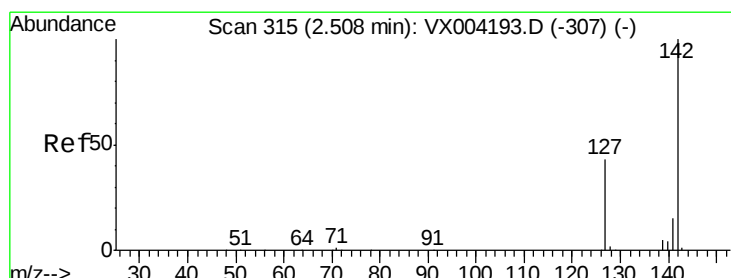
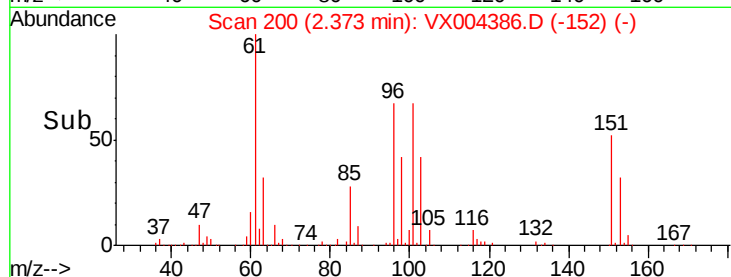
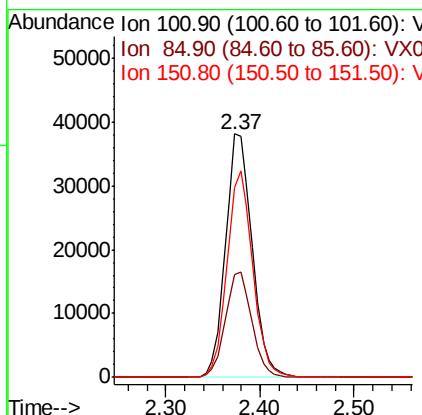
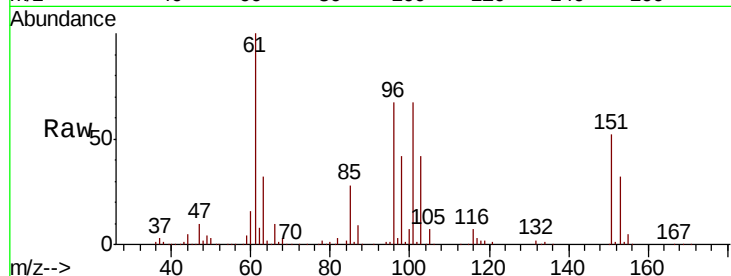
ClientSampleId :

VX0906WBSD01

Tot Ion:	101	Resp:	75017
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.2	51.4
151	81.9	65.0	97.6

Manual Integrations
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9/7/2018 1:42:56 PM



#10

Methyl Iodide

Concen: 19.34 ug/l

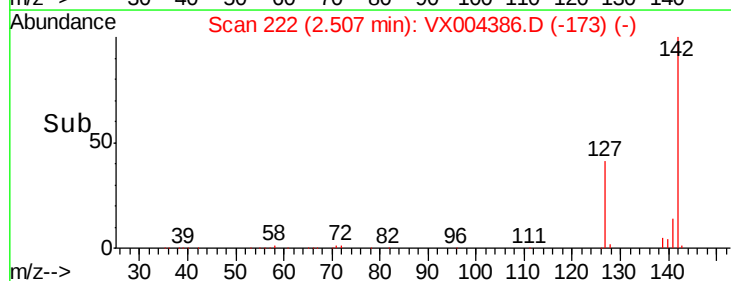
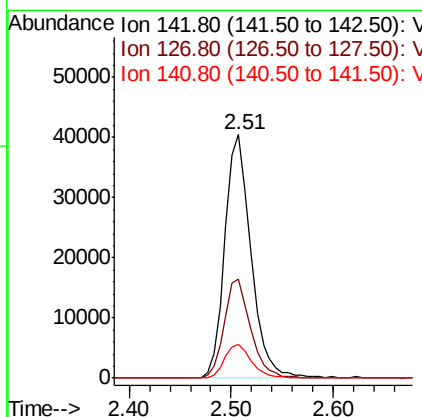
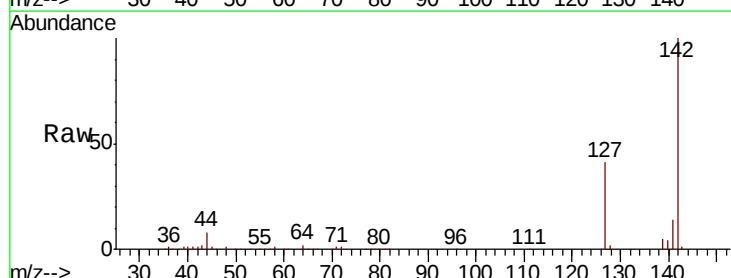
RT: 2.51 min Scan# 222

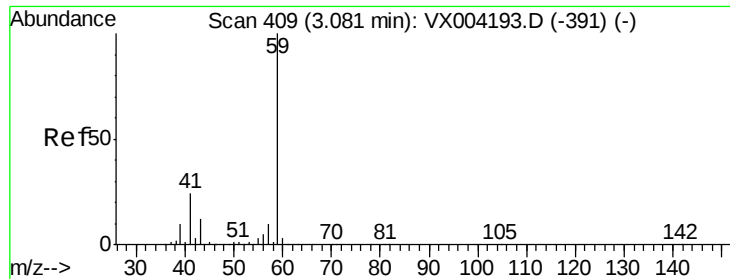
Delta R.T. 0.00 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

Tgt Ion:	142	Resp:	72143
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.8	50.6
141	14.2	11.4	17.0





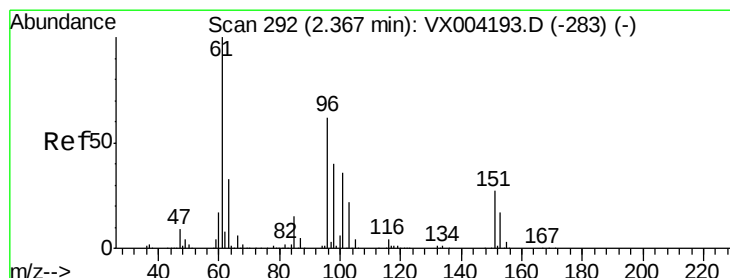
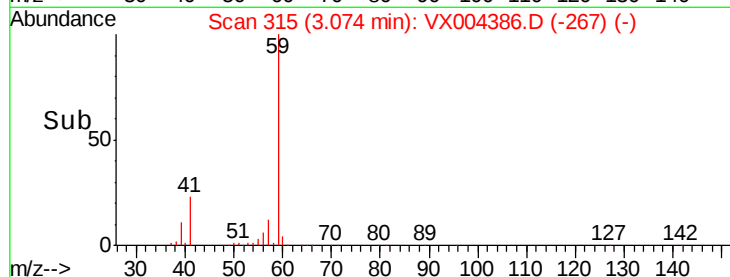
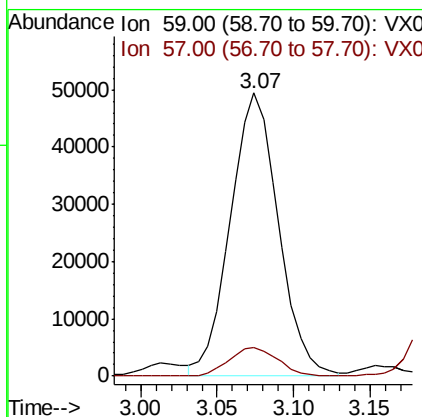
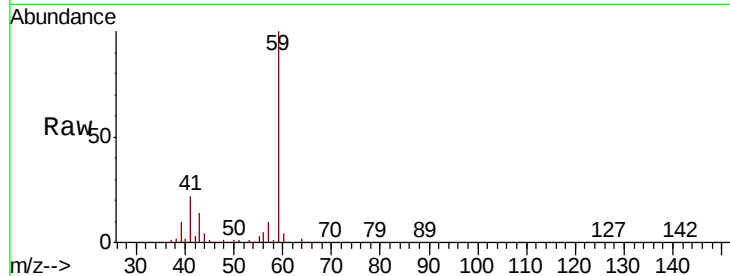
#11
Tert butyl alcohol
Concen: 112.55 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VX0906WBSD01

Tot Ion: 59 Resp: 107868
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.4

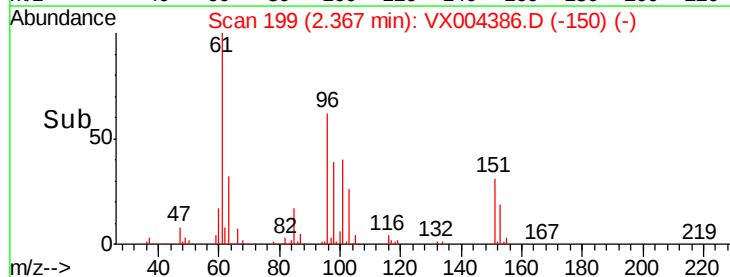
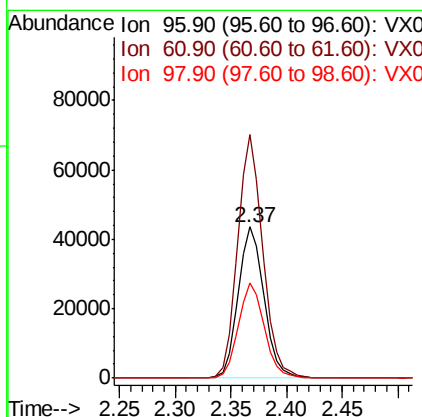
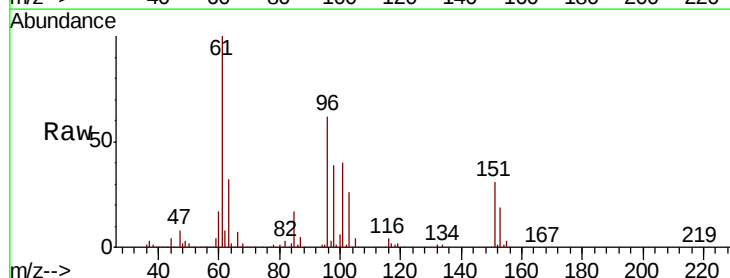
Manual Integrations
APPROVED

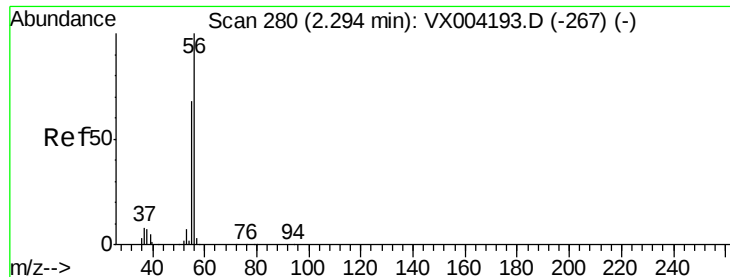
MMDadoda
9/7/2018 1:42:56 PM



#12
1,1-Dichloroethene
Concen: 19.17 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Tgt Ion: 96 Resp: 70058
Ion Ratio Lower Upper
96 100
61 161.3 128.8 193.2
98 62.9 52.2 78.2





#13

Acrolein

Concen: 75.74 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VX0906WBSD01

Tot Ion: 56 Resp: 17500

Ion Ratio Lower Upper

56 100

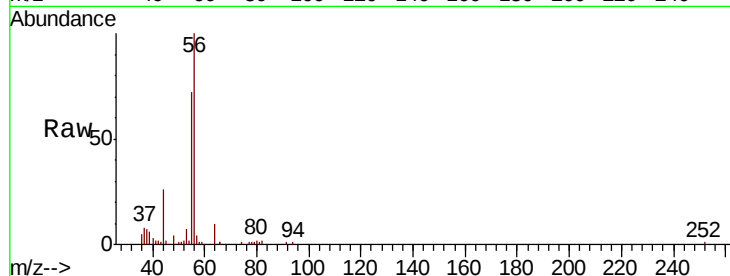
55 70.9 54.7 82.1

Manual Integrations

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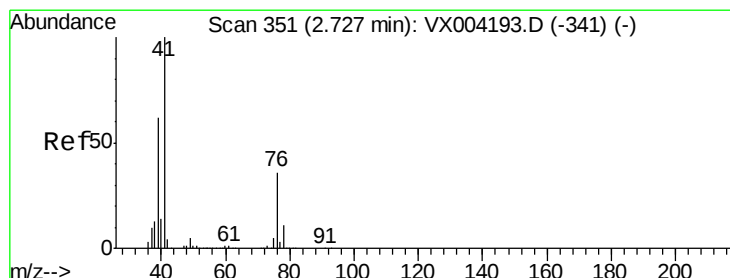
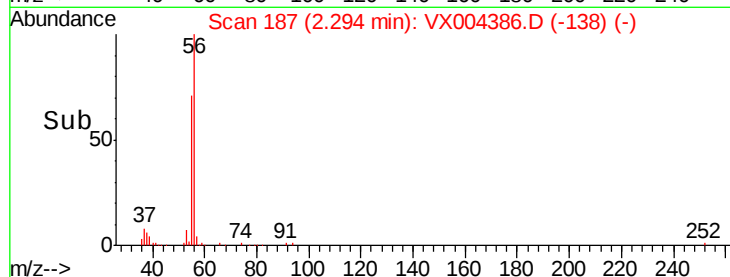
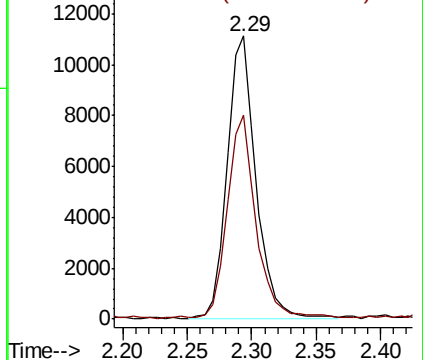
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 20.42 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

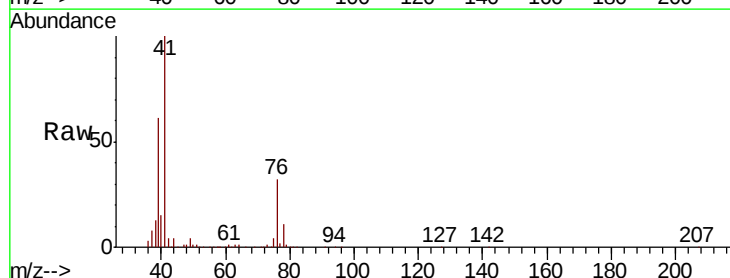
Tgt Ion: 41 Resp: 137082

Ion Ratio Lower Upper

41 100

39 58.0 48.9 73.3

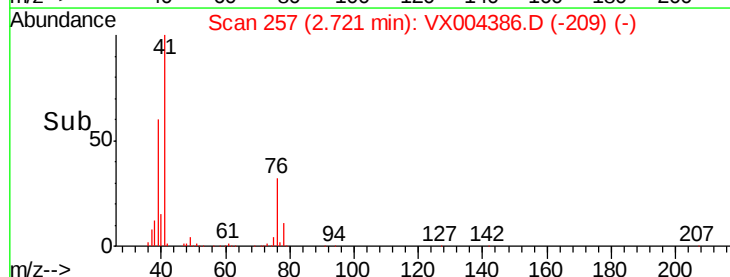
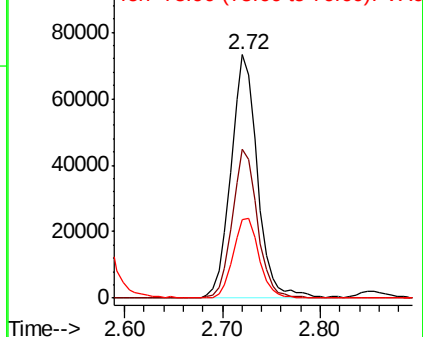
76 32.4 26.7 40.1



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: 107.19 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

Instrument :

MSVOA_X

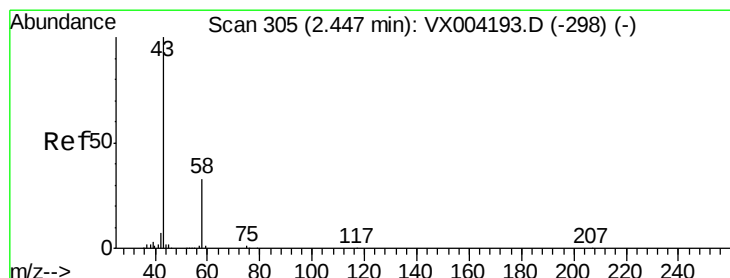
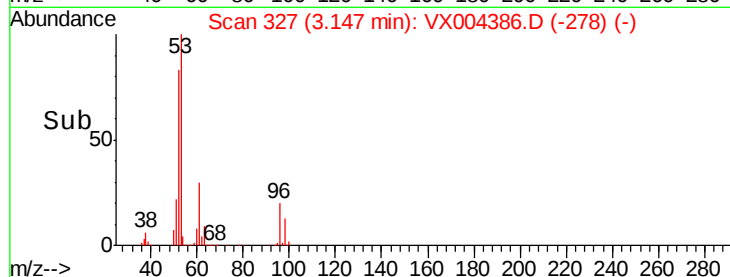
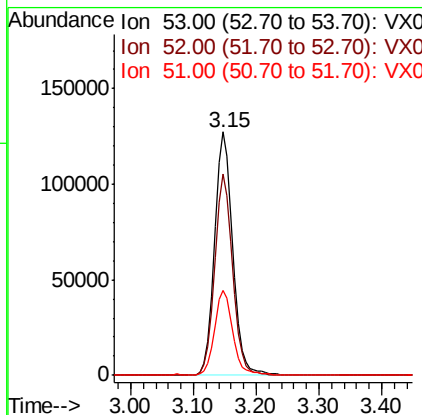
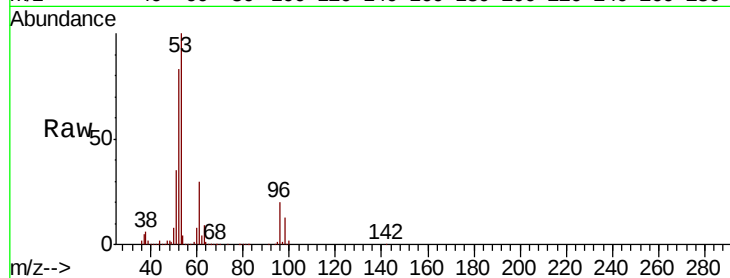
ClientSampleId :

VX0906WBSD01

Tot Ion:	53	Resp:	254403
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.2	97.8
51	35.0	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 112.02 ug/l

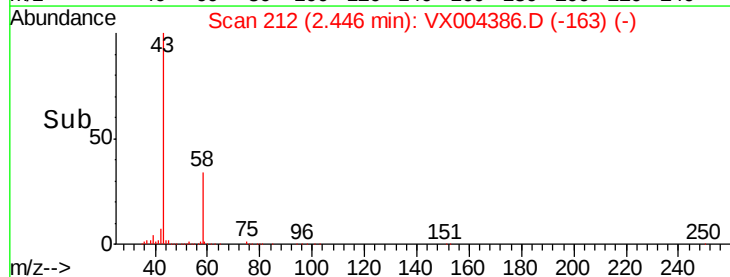
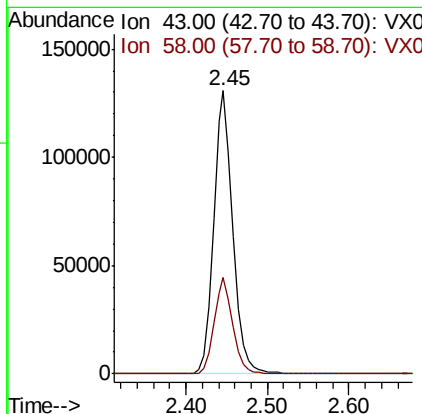
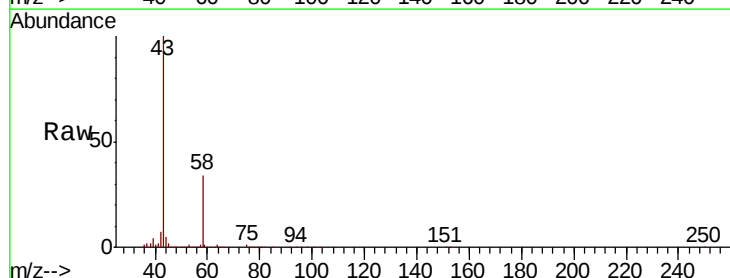
RT: 2.45 min Scan# 212

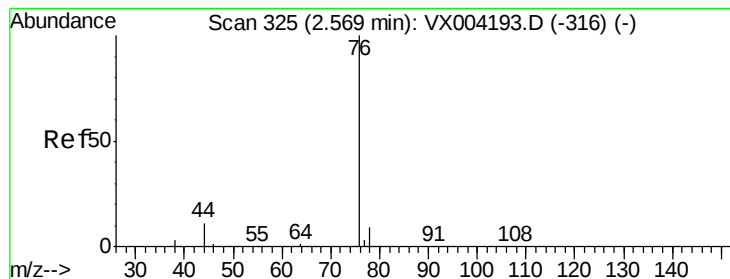
Delta R.T. 0.00 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

Tgt Ion:	43	Resp:	213771
Ion	Ratio	Lower	Upper
43	100		
58	34.0	26.2	39.4





#17

Carbon Disulfide

Concen: 16.96 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VX0906WBSD01

Tot Ion: 76 Resp: 166647

Ion Ratio Lower Upper

76 100

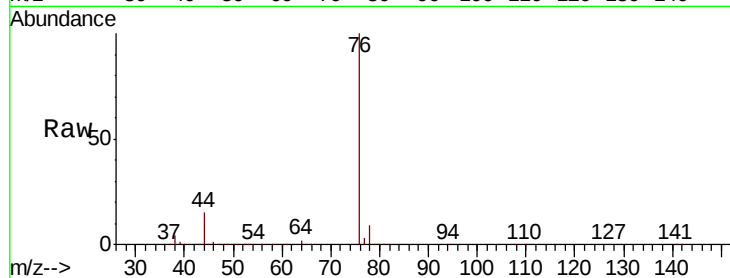
78 8.9 7.0 10.6

Manual Integrations

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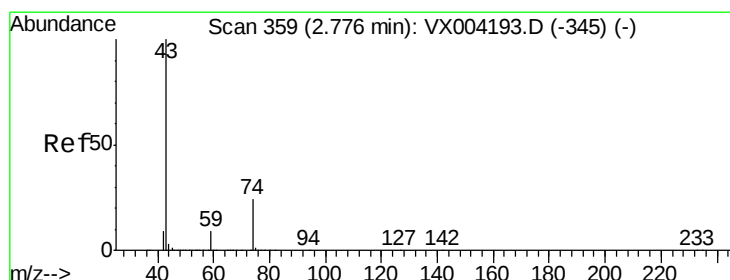
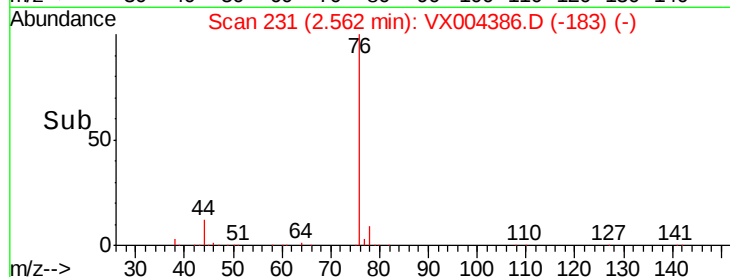
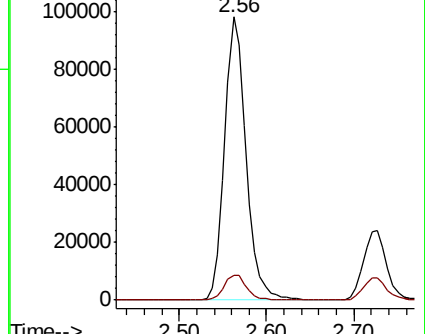
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 27.72 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX004386.D

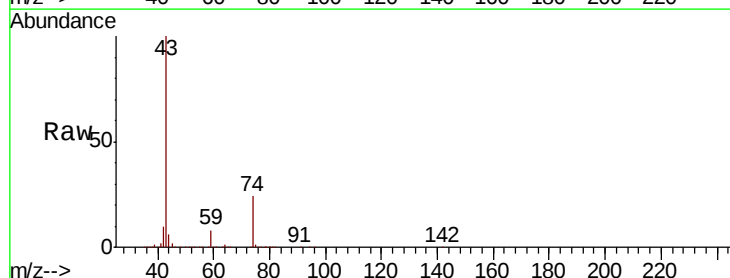
Acq: 06 Sep 2018 15:45

Tgt Ion: 43 Resp: 184944

Ion Ratio Lower Upper

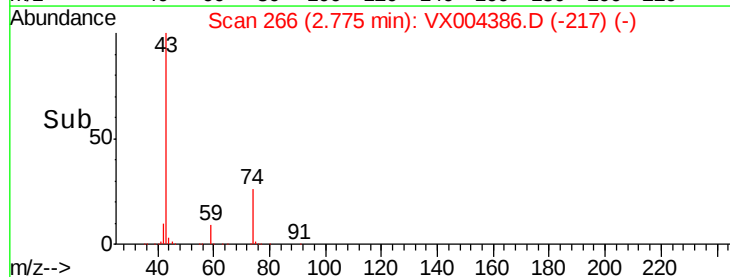
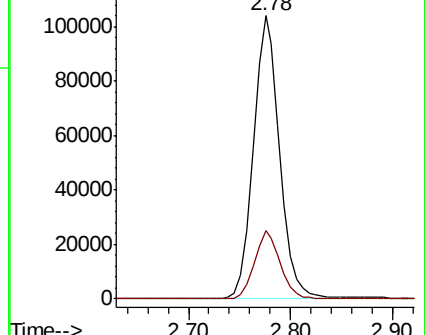
43 100

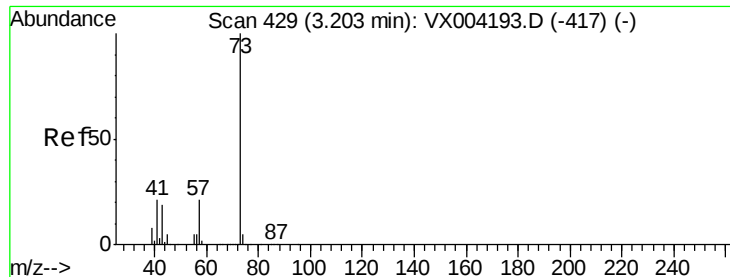
74 24.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





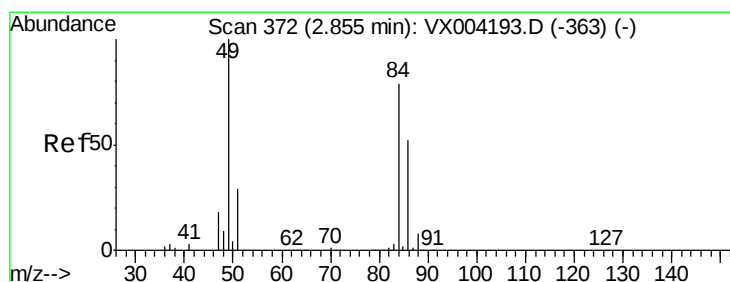
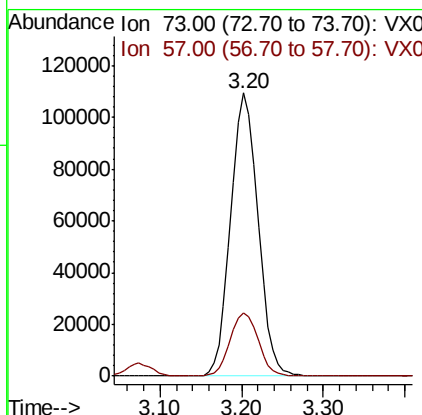
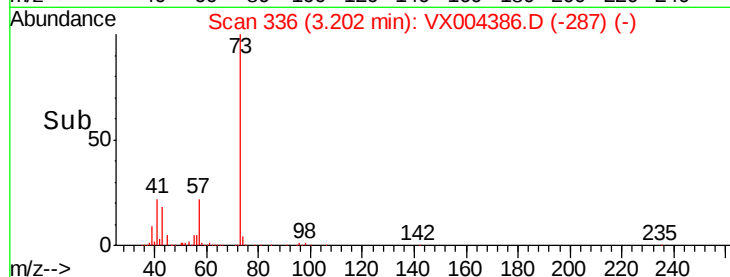
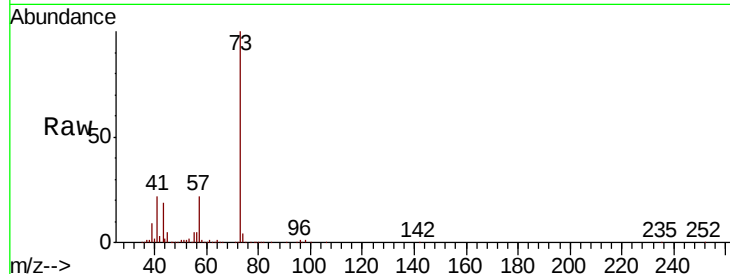
#19
Methyl tert-butyl Ether
Concen: 21.08 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VX0906WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.1	25.7

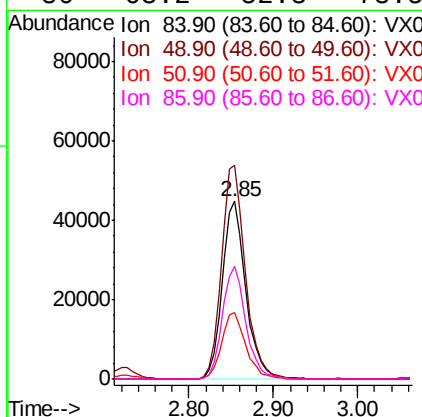
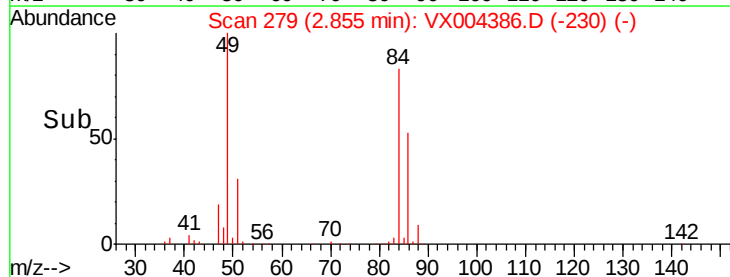
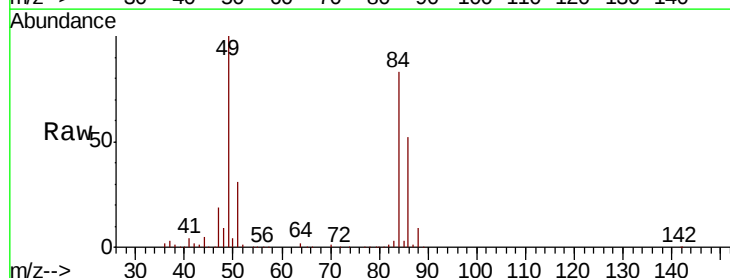
Manual Integrations
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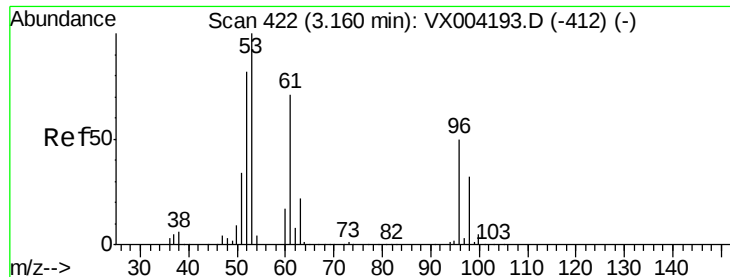
MMDadoda
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#20
Methylene Chloride
Concen: 19.79 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.4	101.2	151.8
51	37.1	29.5	44.3
86	63.2	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 18.66 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VX0906WBSD01

Tot Ion: 96 Resp: 75494

Ion Ratio Lower Upper

96 100

61 140.2 113.8 170.6

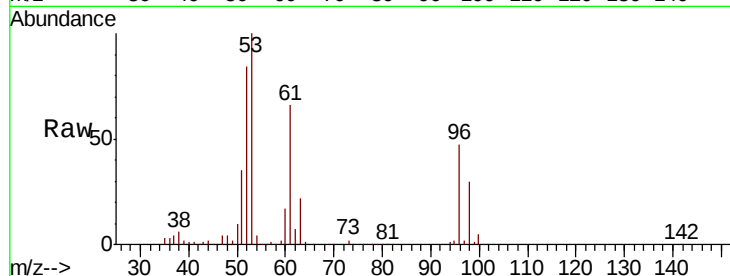
98 63.9 51.8 77.8

Manual Integrations

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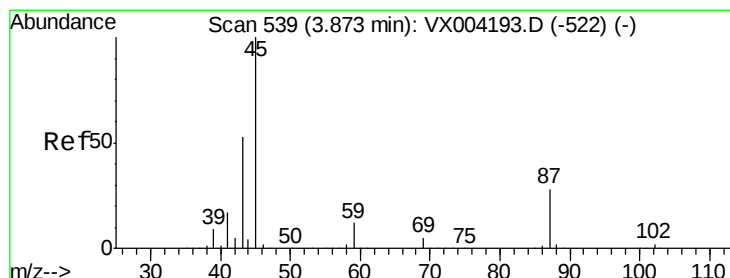
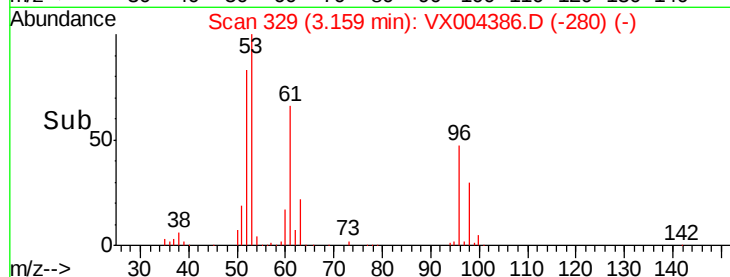
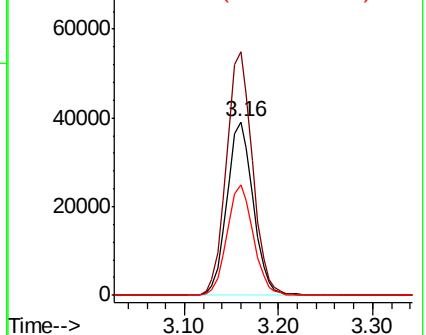
9/7/2018 1:42:56 PM



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: 20.72 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

Tgt Ion: 45 Resp: 259704

Ion Ratio Lower Upper

45 100

43 52.5 42.8 64.2

87 28.0 22.6 34.0

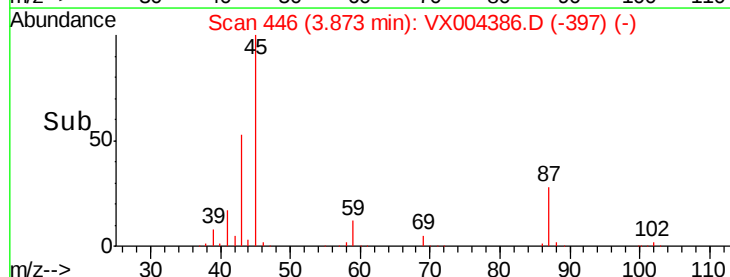
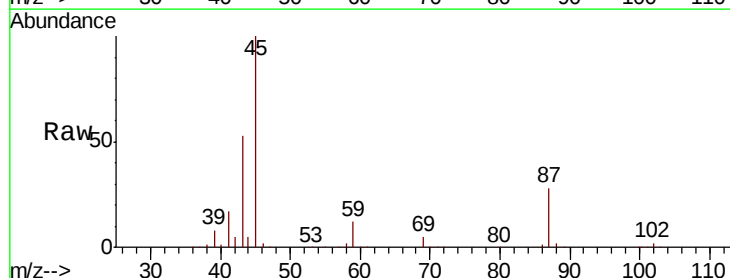
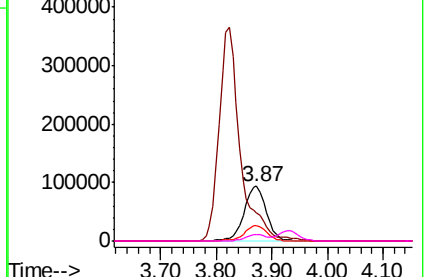
59 11.7 9.6 14.4

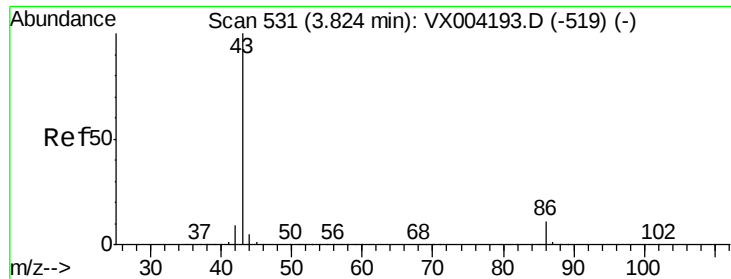
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 95.17 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VX0906WBSD01

Tot Ion: 43 Resp: 967004

Ion Ratio Lower Upper

43 100

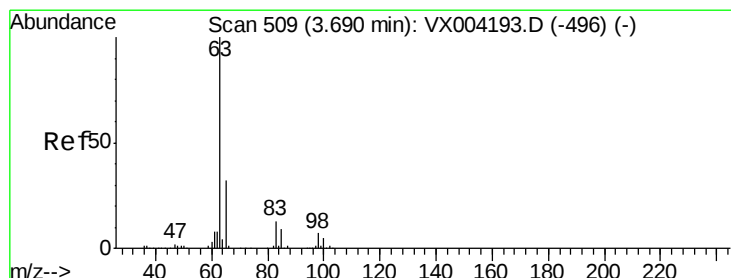
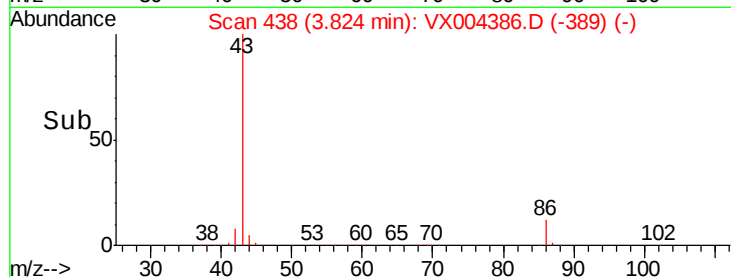
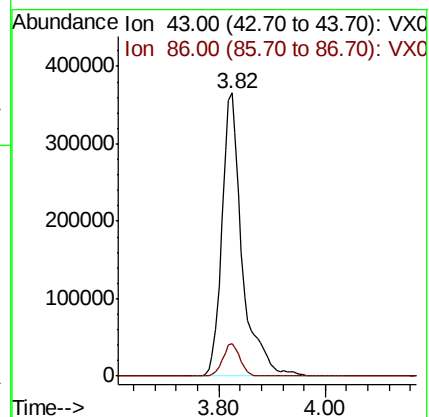
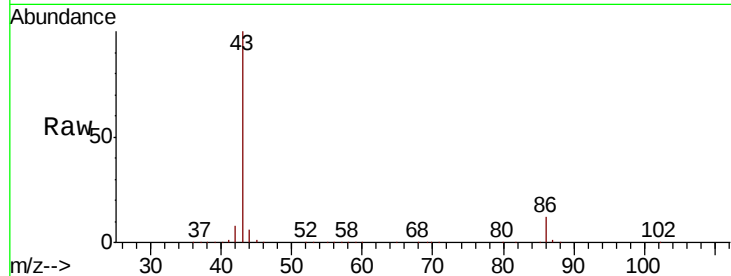
86 11.6 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.58 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

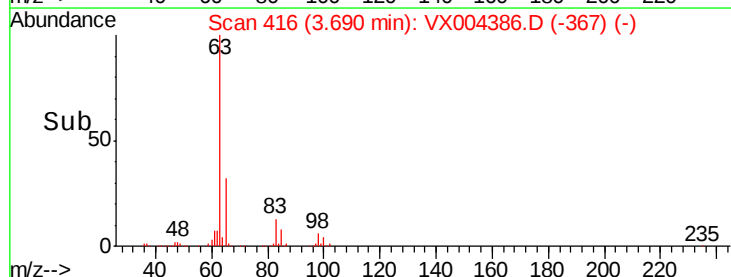
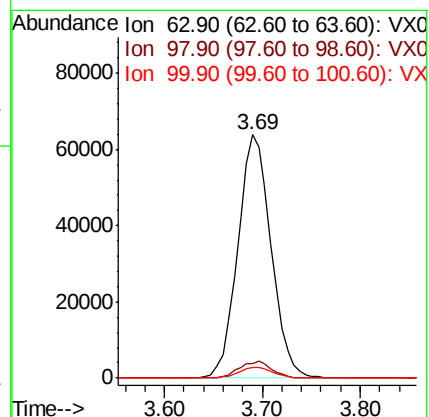
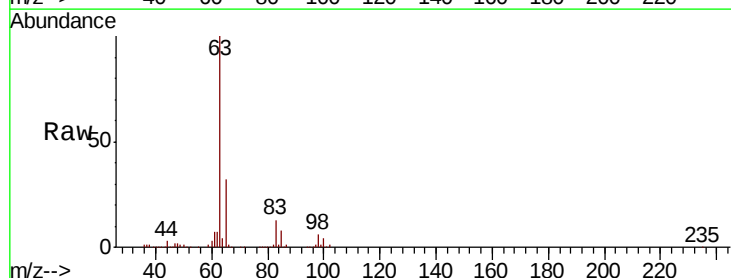
Tgt Ion: 63 Resp: 150339

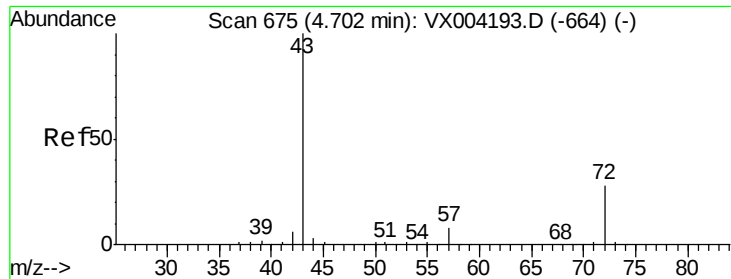
Ion Ratio Lower Upper

63 100

98 6.1 3.5 10.4

100 4.5 2.4 7.1





#25

2-Butanone

Concen: 108.40 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

Instrument :

MSVOA_X

ClientSampled :

VX0906WBSD01

Tot Ion: 43 Resp: 331427

Ion Ratio Lower Upper

43 100

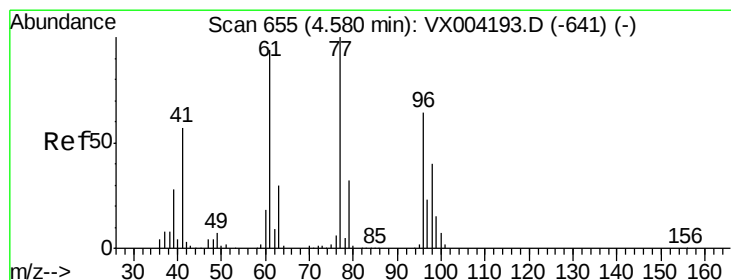
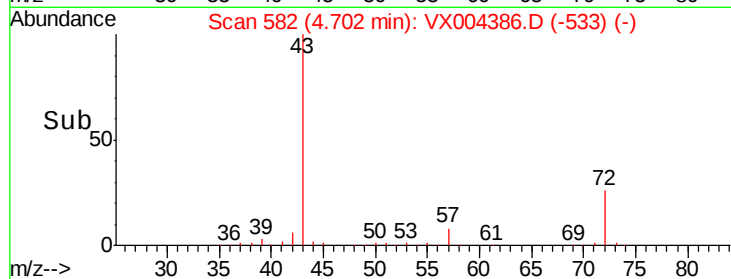
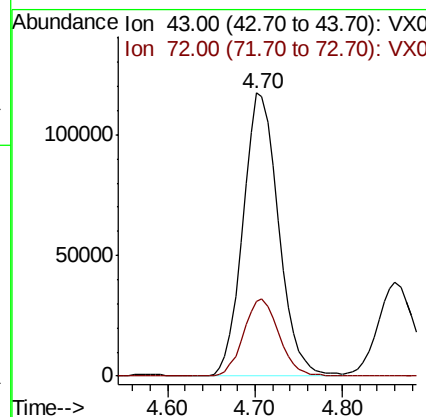
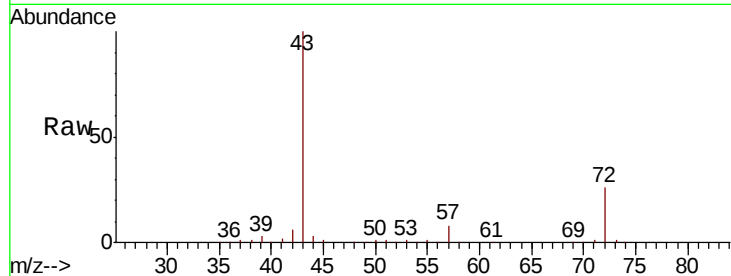
72 26.2 22.0 33.0

Manual Integrations

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9/7/2018 1:42:56 PM



#26

2,2-Dichloropropane

Concen: 19.09 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004386.D

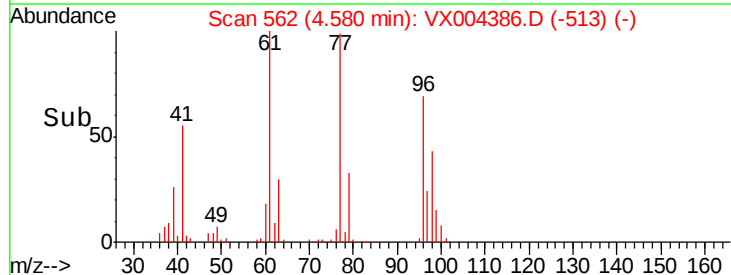
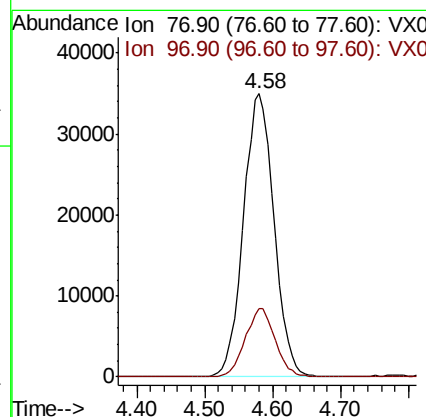
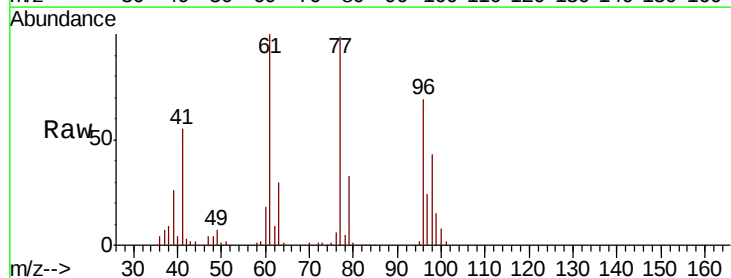
Acq: 06 Sep 2018 15:45

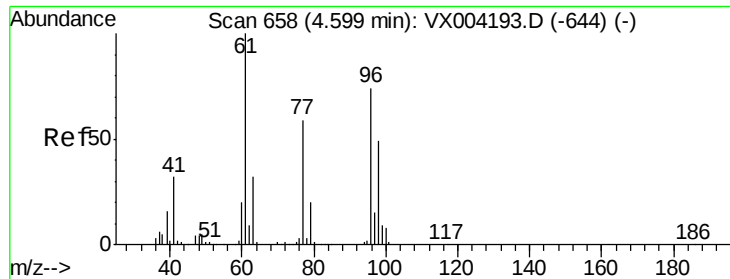
Tgt Ion: 77 Resp: 109359

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.0





#27

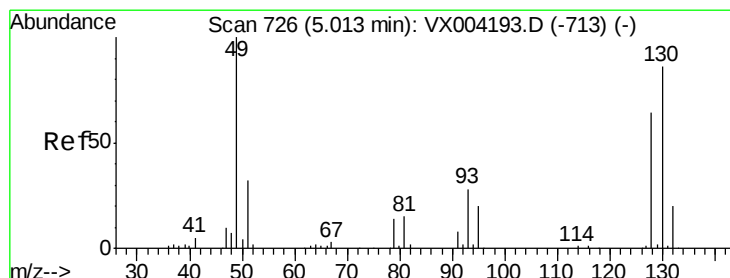
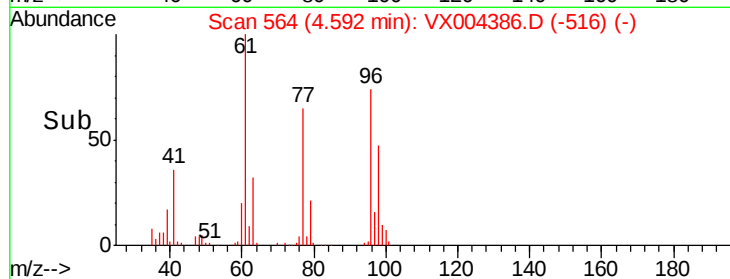
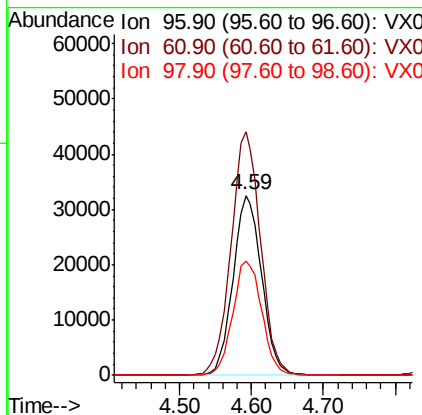
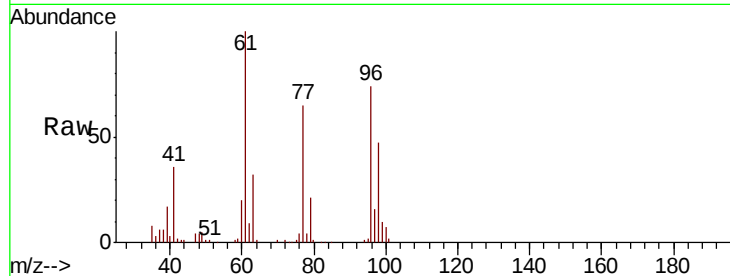
cis-1,2-Dichloroethene
Concen: 19.57 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VX0906WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.5	0.0	282.6
98	64.7	0.0	130.2

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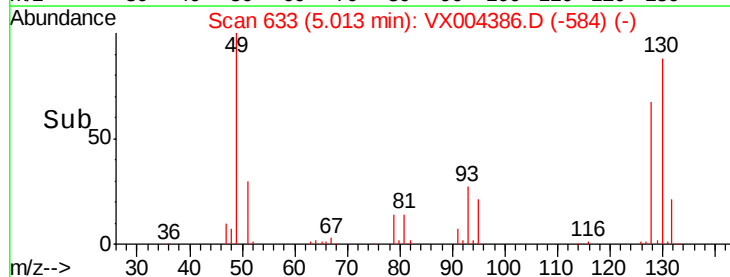
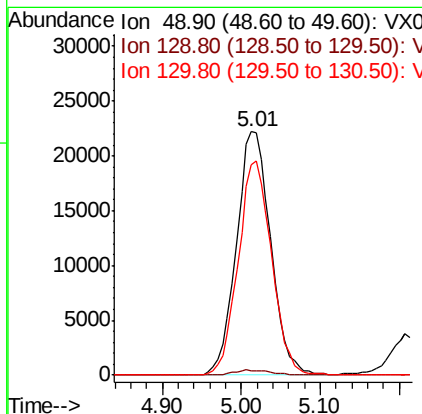
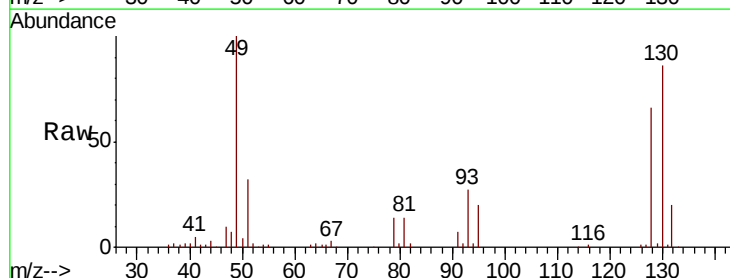
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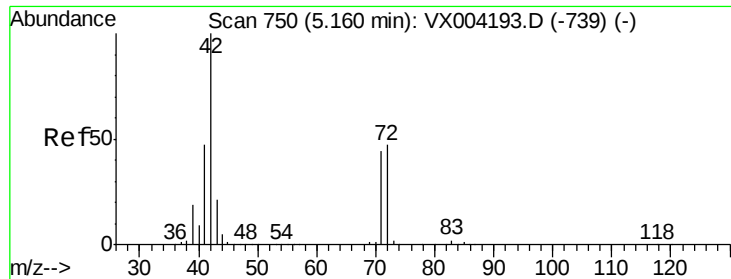


#28

Bromochloromethane
Concen: 20.79 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	85.5	67.5	101.3





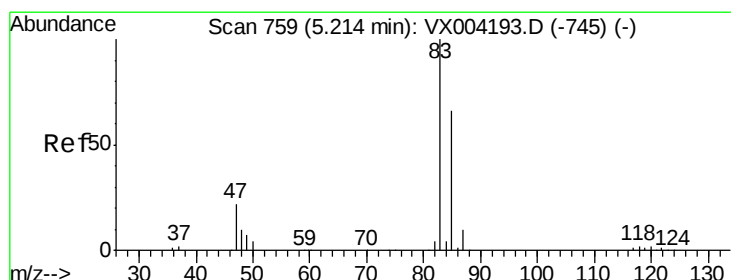
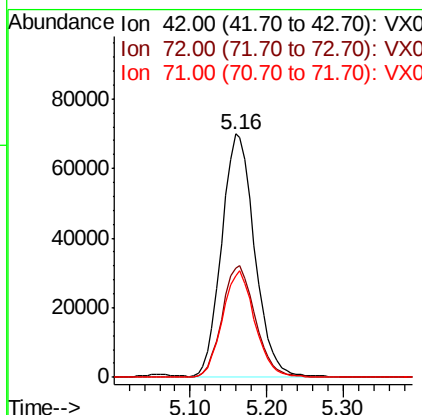
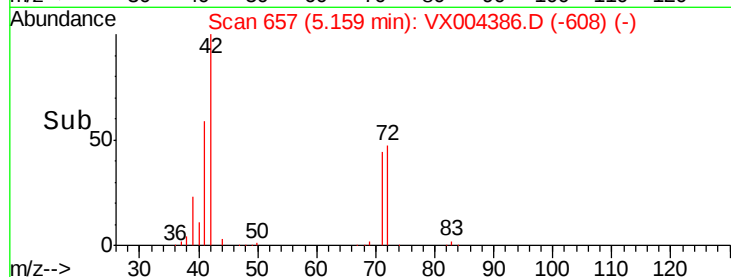
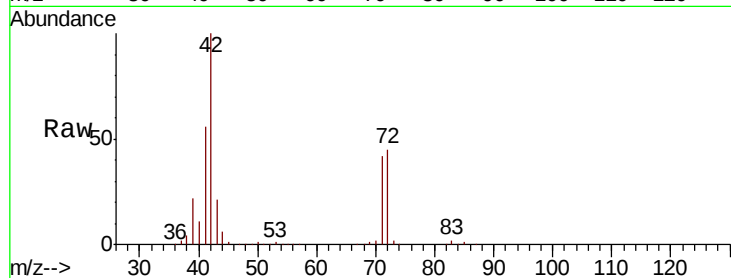
#29
Tetrahydrofuran
Concen: 107.33 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VX0906WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	37.4	56.0
71	43.2	34.5	51.7

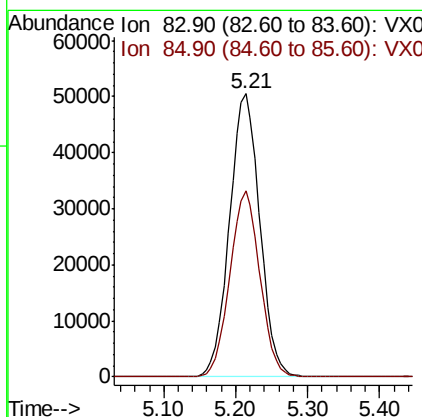
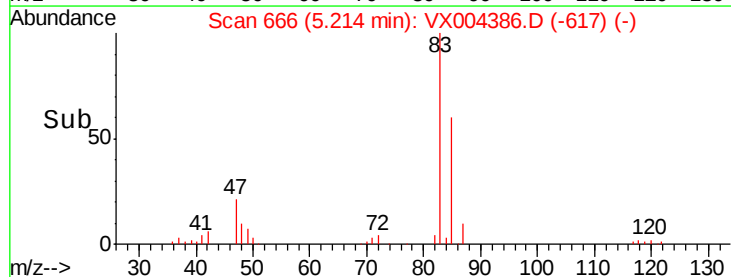
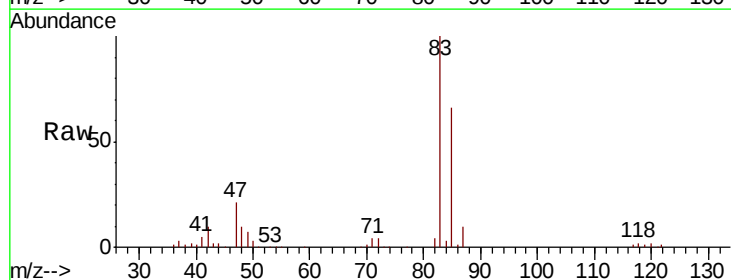
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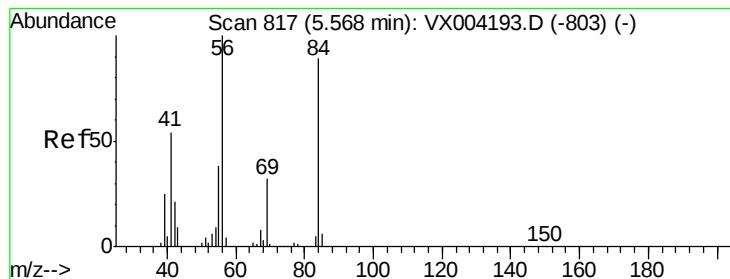
MMDadoda
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#30
Chloroform
Concen: 20.16 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.6	79.0





#31

Cyclohexane

Concen: 18.90 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.00 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VX0906WBSD01

Tot Ion: 56 Resp: 119114

Ion Ratio Lower Upper

56 100

69 31.3 25.4 38.2

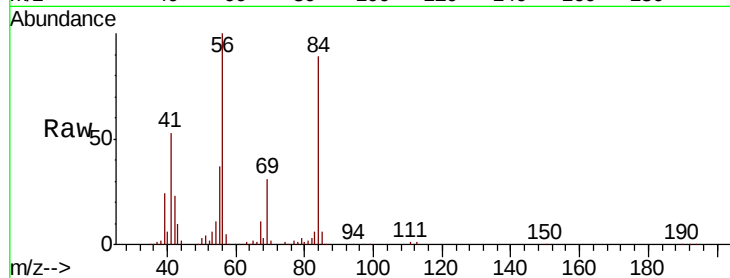
84 87.5 71.4 107.2

Manual Integrations

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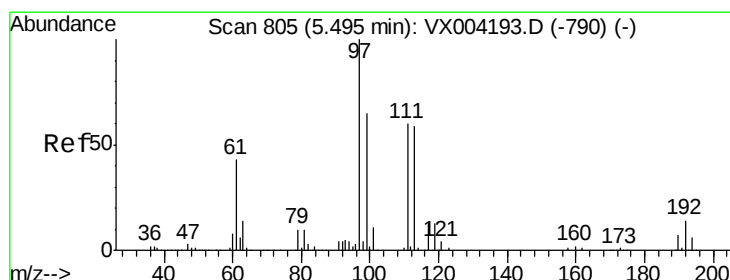
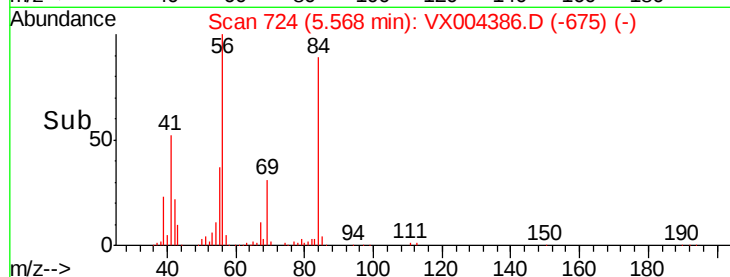
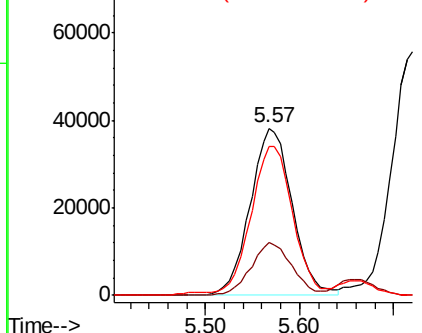
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.74 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

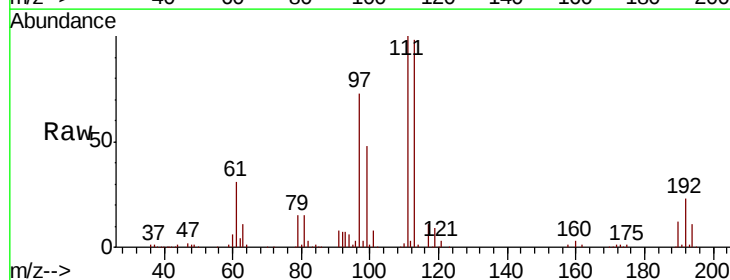
Tgt Ion: 97 Resp: 120553

Ion Ratio Lower Upper

97 100

99 64.6 52.0 78.0

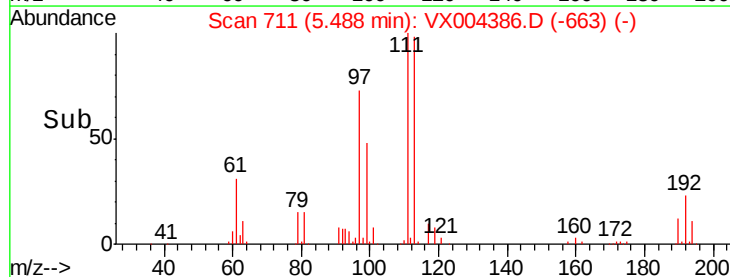
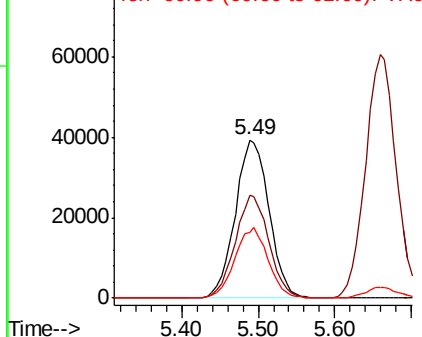
61 43.9 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





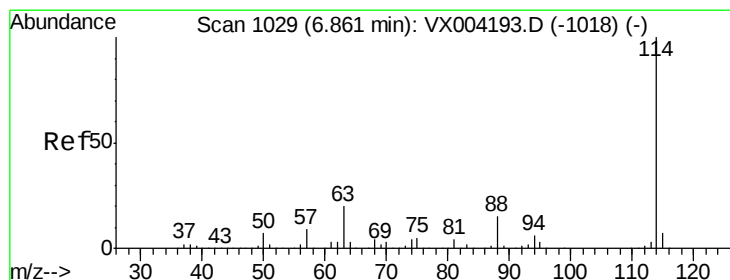
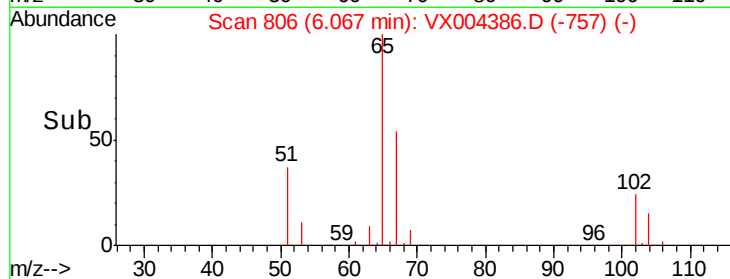
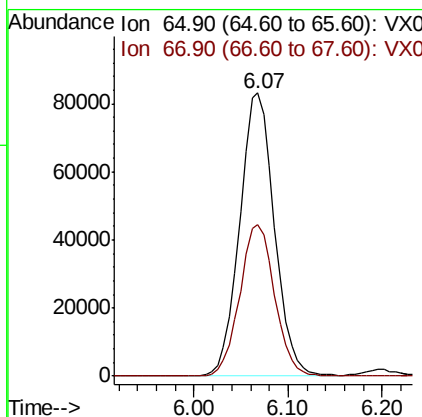
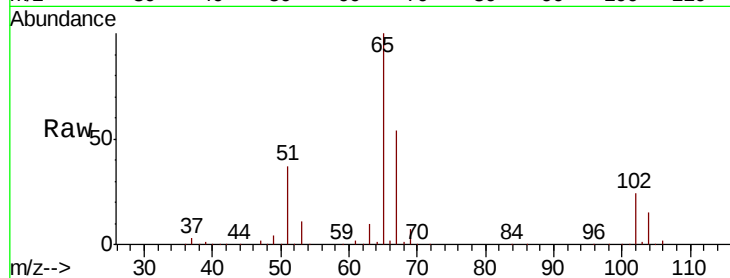
#33
 1,2-Dichloroethane-d4
 Concen: 47.69 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004386.D
 Acq: 06 Sep 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	106.8

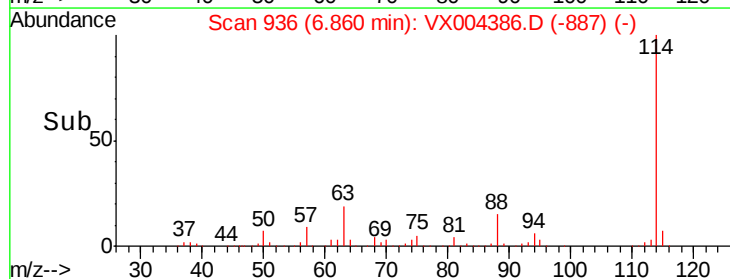
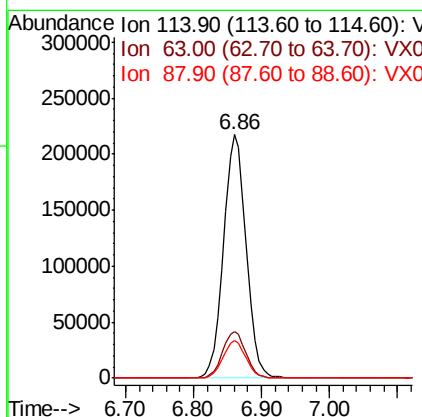
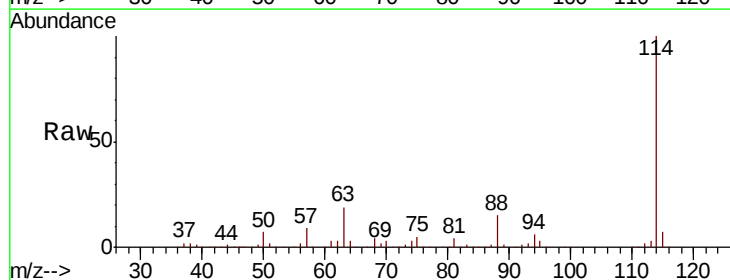
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004386.D
 Acq: 06 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	39.0
88	15.3	0.0	30.4





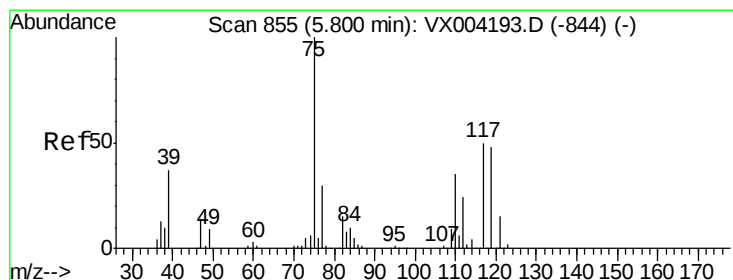
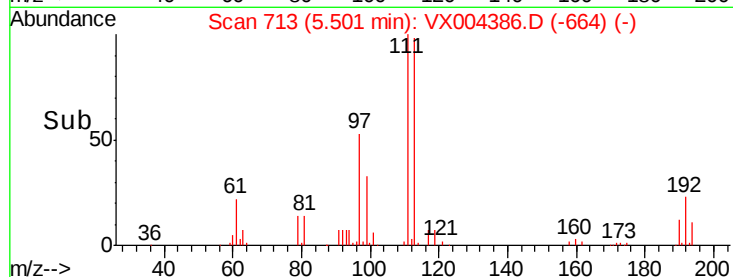
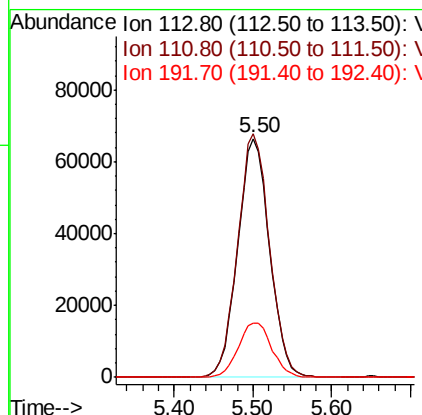
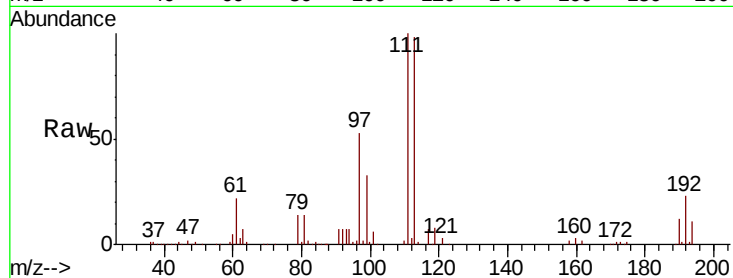
#35
Dibromofluoromethane
Concen: 50.17 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VX0906WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	186313		
111	102.5	82.4	123.6	
192	24.1	19.4	29.2	

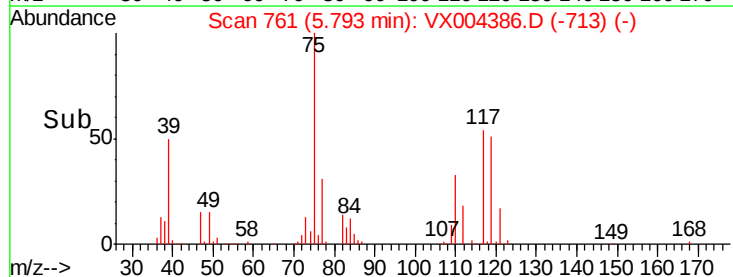
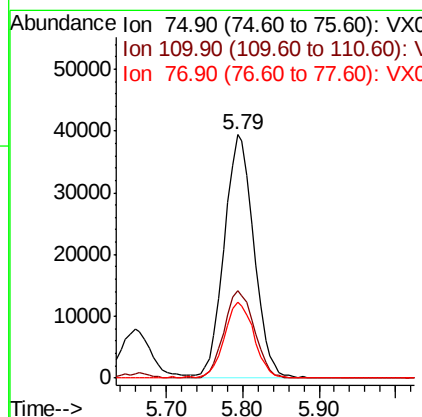
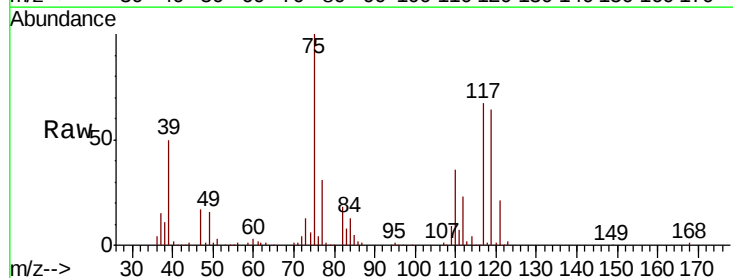
Manual Integrations
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#36
1,1-Dichloropropene
Concen: 18.91 ug/l
RT: 5.79 min Scan# 761
Delta R.T. -0.01 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	106101		
110	36.5	18.0	54.0	
77	30.9	24.6	36.8	





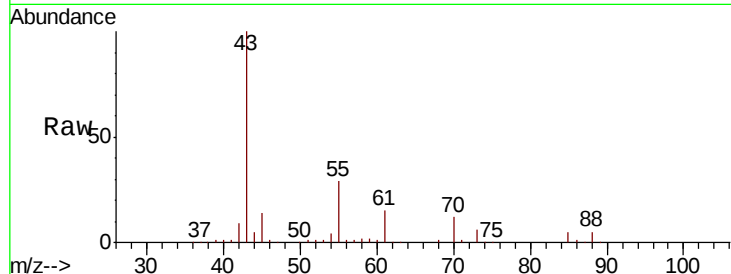
#37
Ethyl Acetate
Concen: 20.52 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VX0906WBSD01

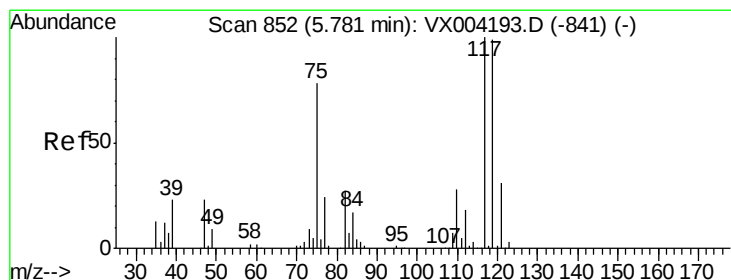
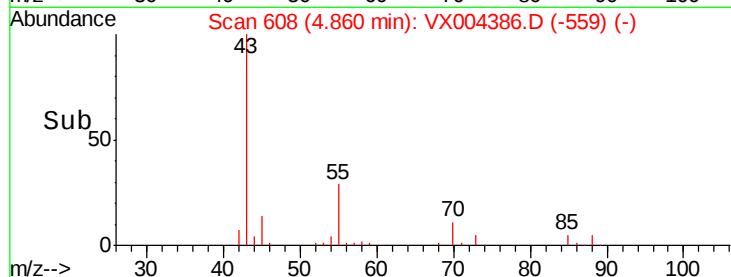
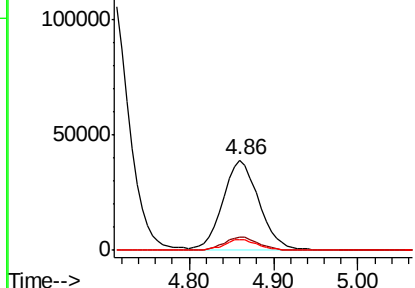
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.5	17.3
70	11.6	9.0	13.6

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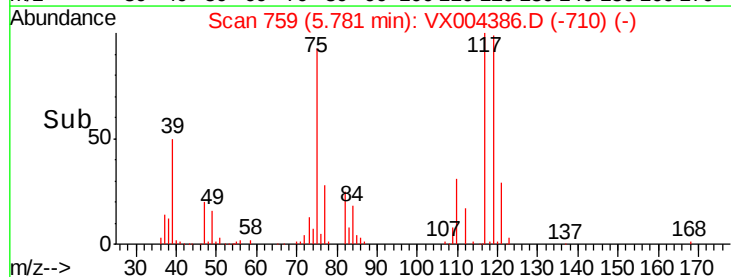
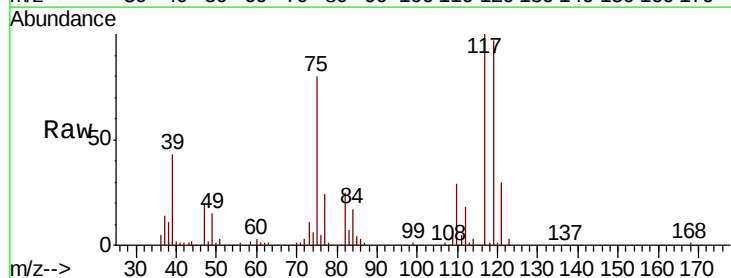
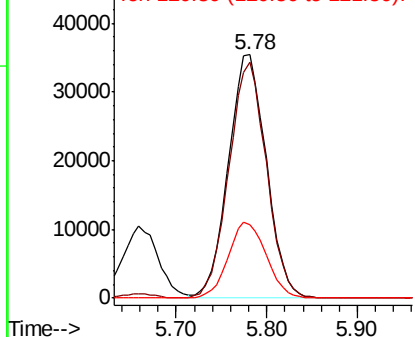
Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0



#38
Carbon Tetrachloride
Concen: 19.50 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	78.8	118.2
121	30.0	24.9	37.3

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





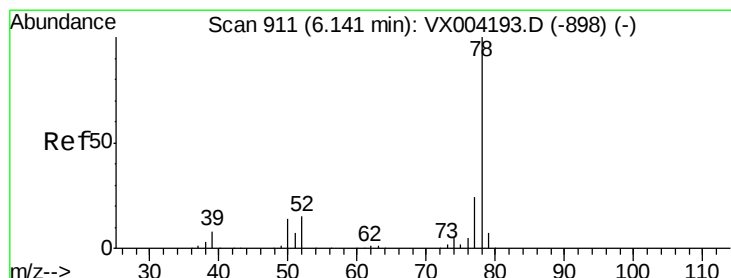
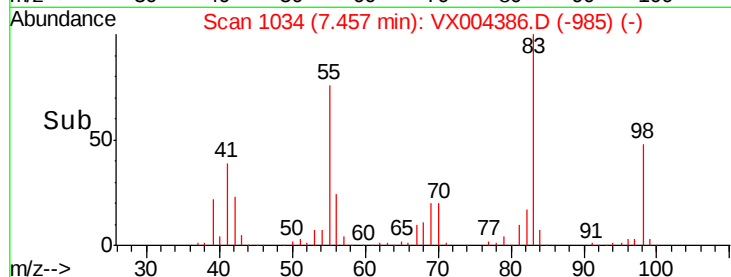
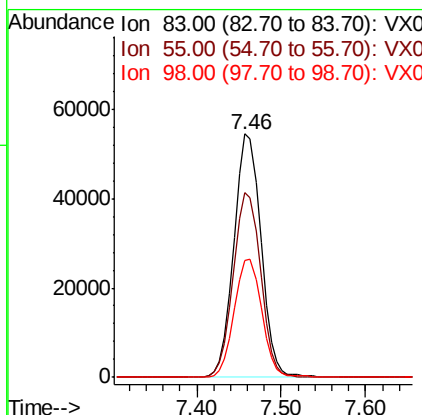
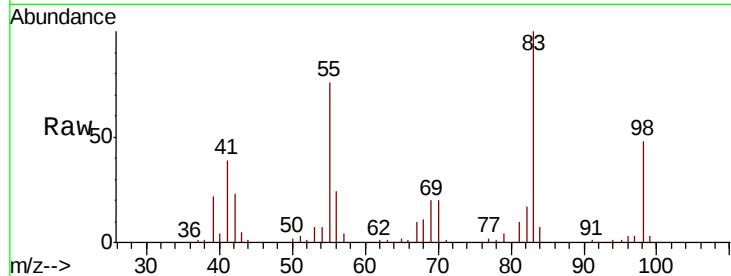
#39
Methvlcvclohexane
Concen: 18.50 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VX0906WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.9	61.0	91.4	
98	48.1	39.6	59.4	

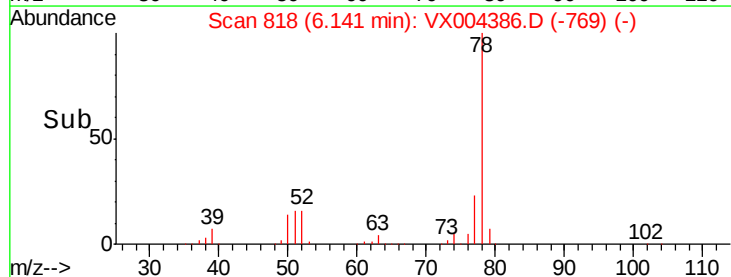
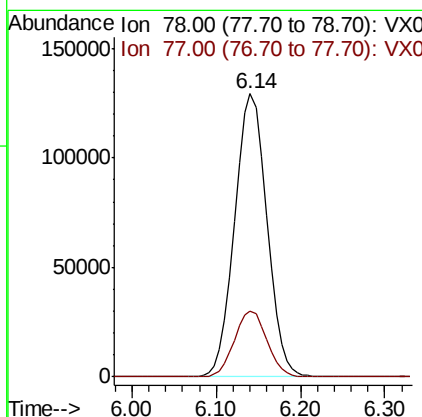
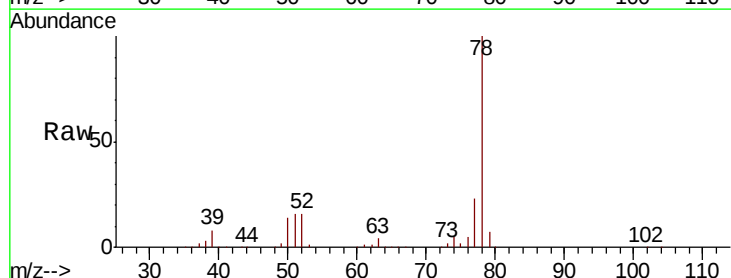
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#40
Benzene
Concen: 20.01 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.3	19.0	28.4	





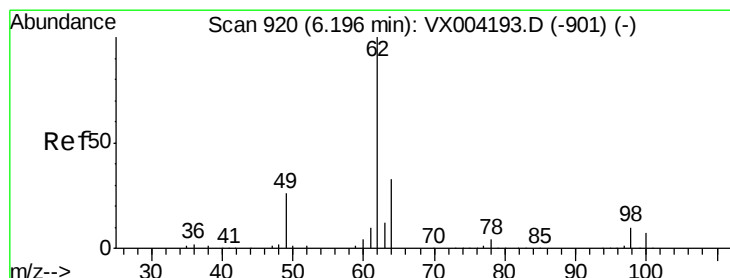
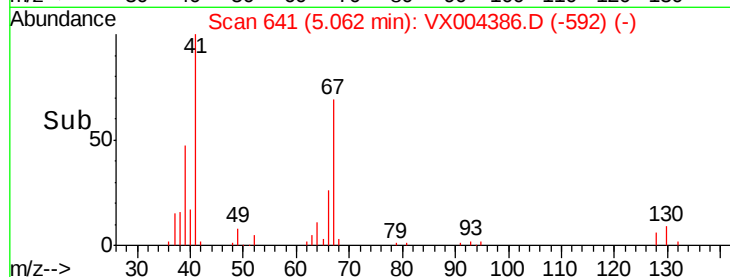
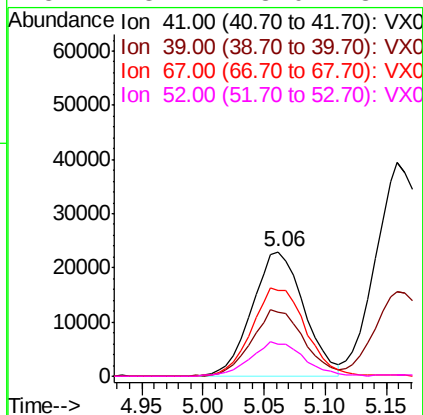
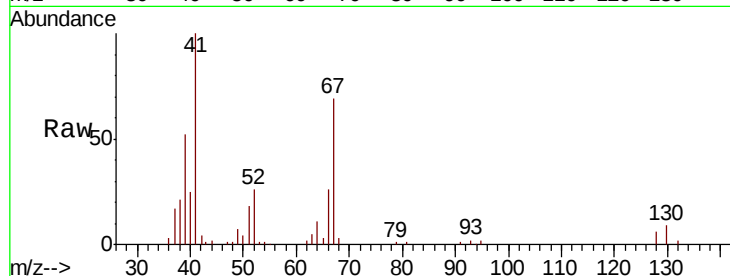
#41
Methacrylonitrile
Concen: 21.16 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VX0906WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.5	42.4	63.6	
67	74.4	59.2	88.8	
52	28.7	23.0	34.4	

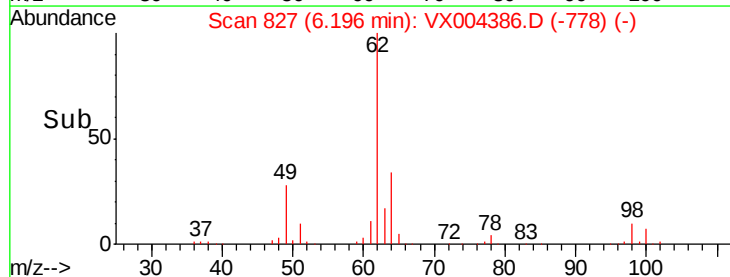
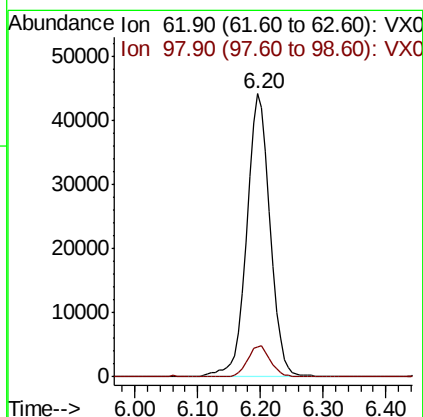
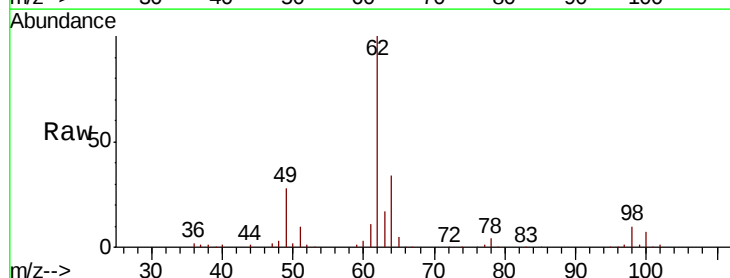
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 19.87 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.6	0.0	20.6	





#43

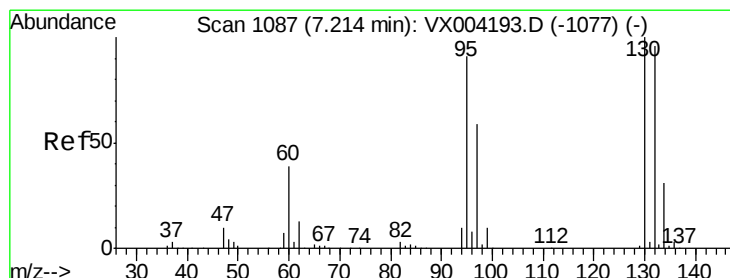
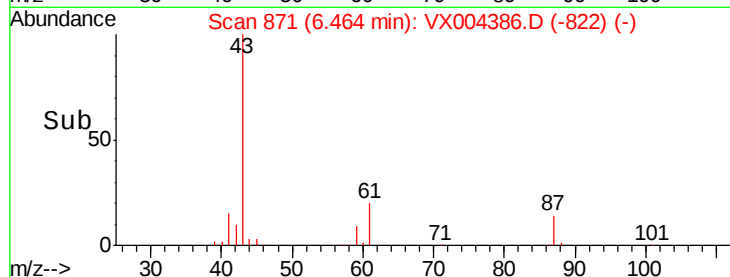
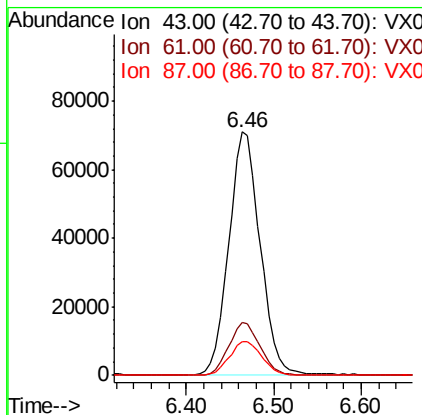
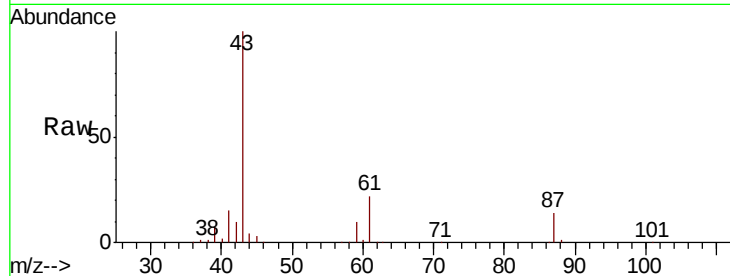
Isopropyl Acetate
 Concen: 20.83 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VX004386.D
 Acq: 06 Sep 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.7	17.0	25.4
87	14.4	11.4	17.2

Manual Integrations
 APPROVED

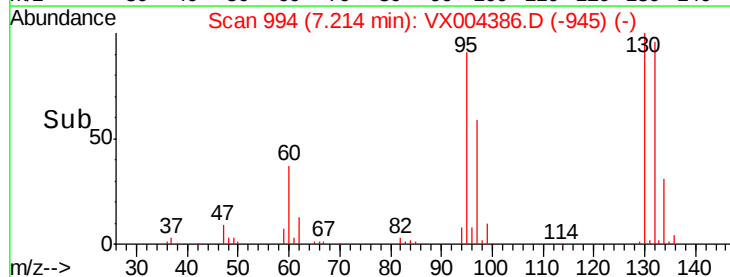
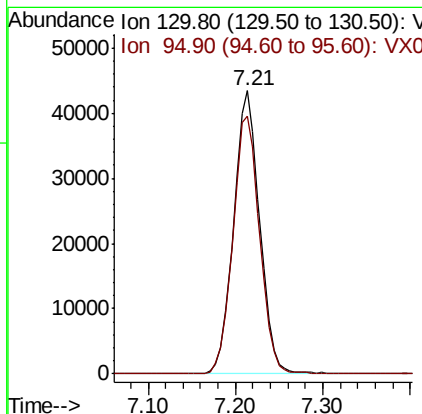
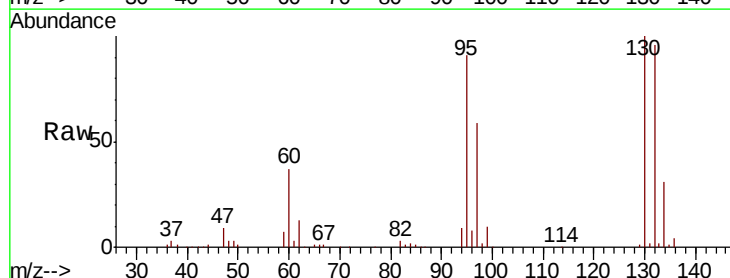
MMDadoda
 9/7/2018 1:42:56 PM



#44

Trichloroethene
 Concen: 19.34 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004386.D
 Acq: 06 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.2	0.0	181.6





#45

1,2-Dichloropropane

Concen: 20.82 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VX0906WBSD01

Tot Ion: 63 Resp: 87375

Ion Ratio Lower Upper

63 100

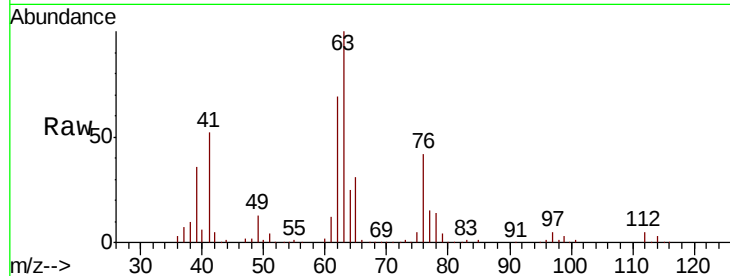
65 30.9 24.3 36.5

Manual Integrations

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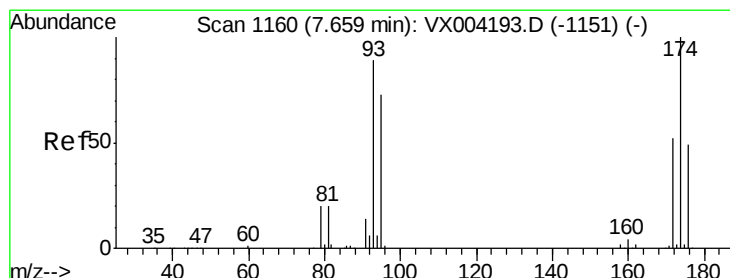
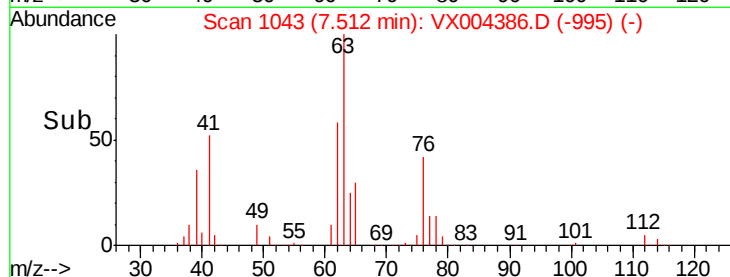
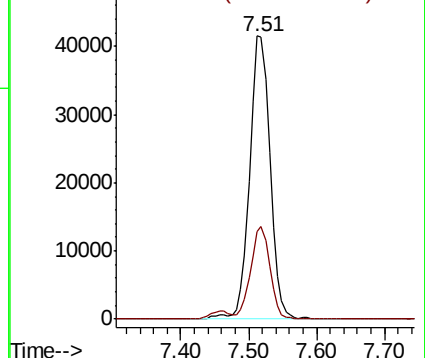
MMDadoda

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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: 20.00 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

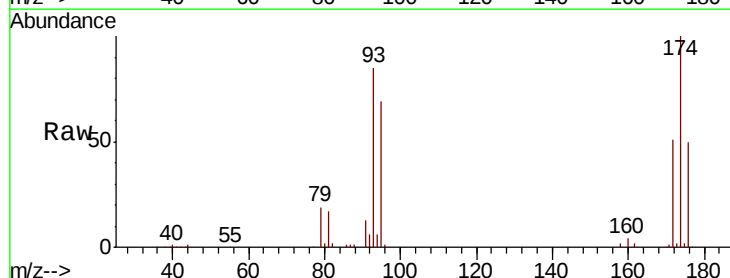
Tgt Ion: 93 Resp: 55898

Ion Ratio Lower Upper

93 100

95 82.8 65.5 98.3

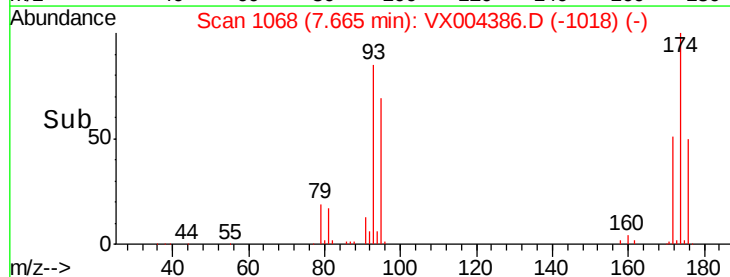
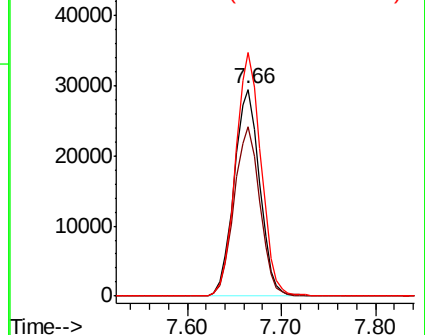
174 116.9 94.2 141.4



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: 20.12 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

Instrument :

MSVOA_X

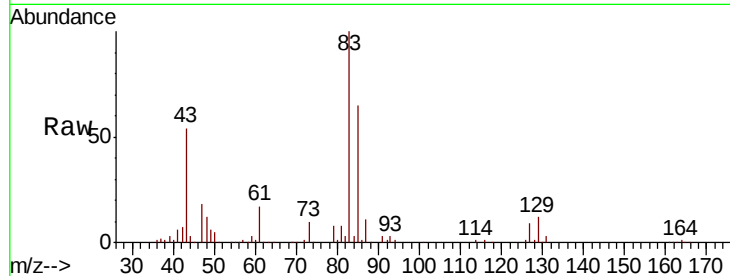
ClientSampleId :

VX0906WBSD01

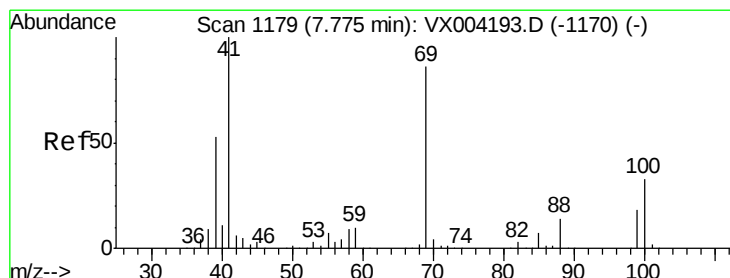
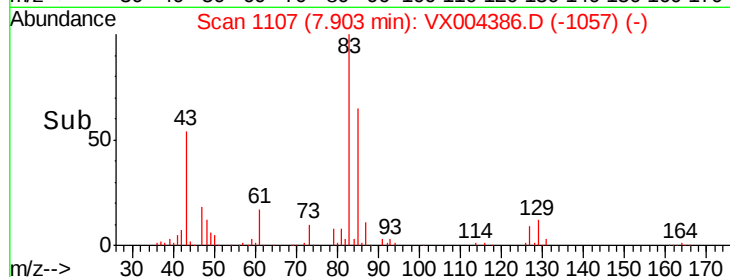
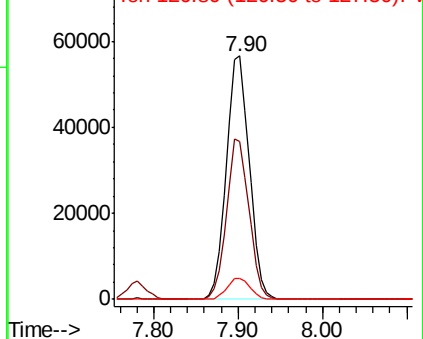
Tot Ion:	83	Resp:	104599
Ion Ratio	Lower	Upper	
83	100		
85	64.6	50.9	76.3
127	8.6	7.3	10.9

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



#48

Methyl methacrylate

Concen: 20.70 ug/l

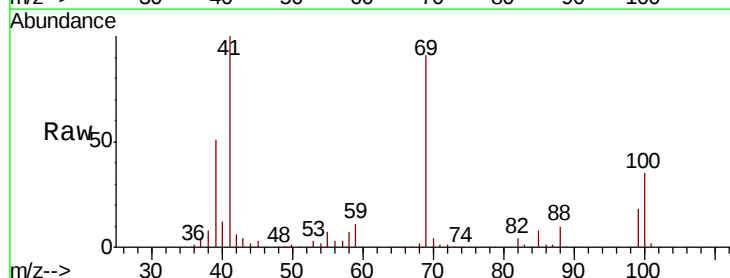
RT: 7.78 min Scan# 1087

Delta R.T. 0.01 min

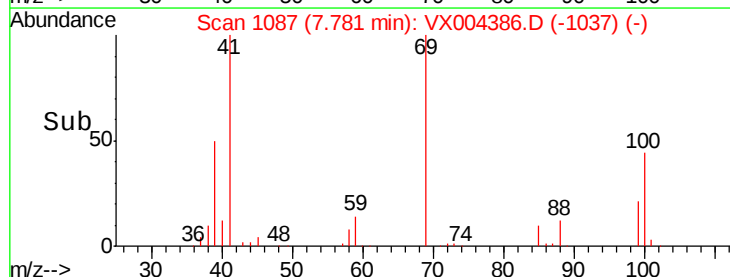
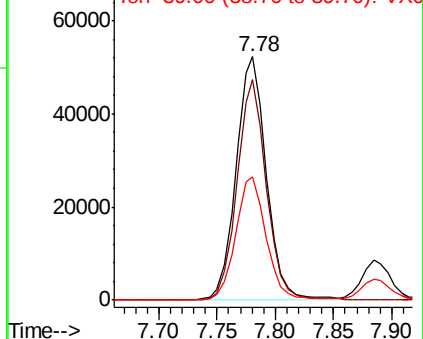
Lab File: VX004386.D

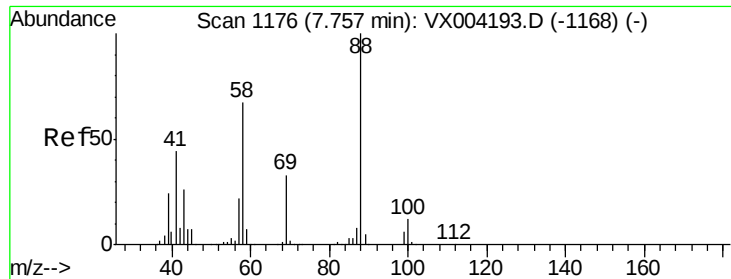
Acq: 06 Sep 2018 15:45

Tgt Ion:	41	Resp:	93916
Ion Ratio	Lower	Upper	
41	100		
69	88.5	70.2	105.4
39	51.2	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





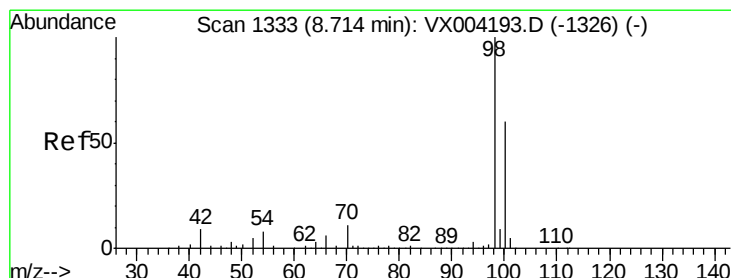
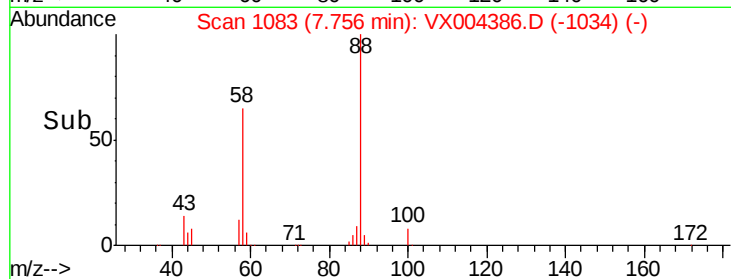
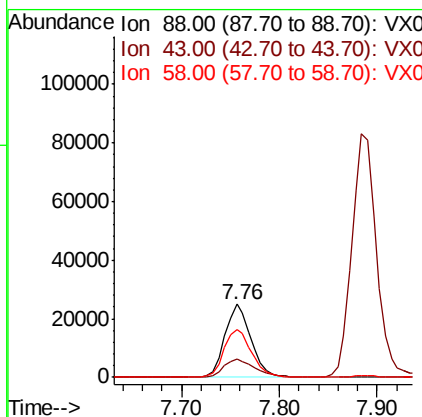
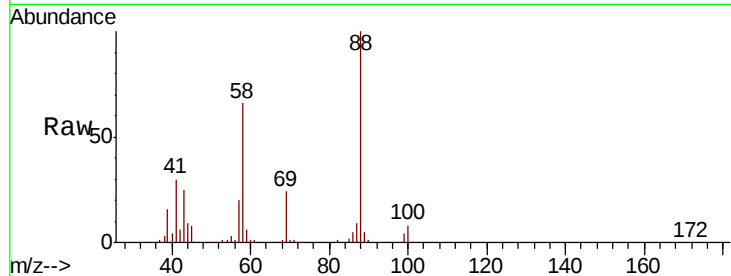
#49
1,4-Dioxane
Concen: 446.07 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VX0906WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.5	24.7	37.1
58	69.0	55.3	82.9

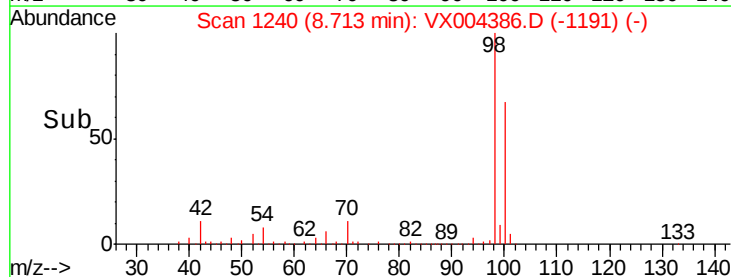
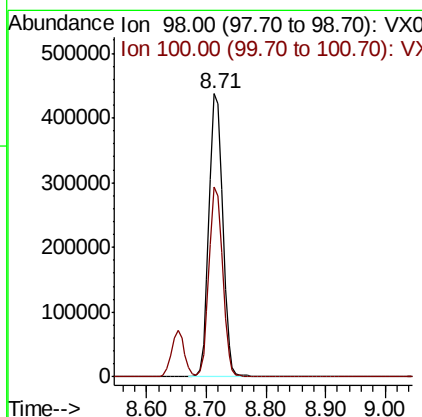
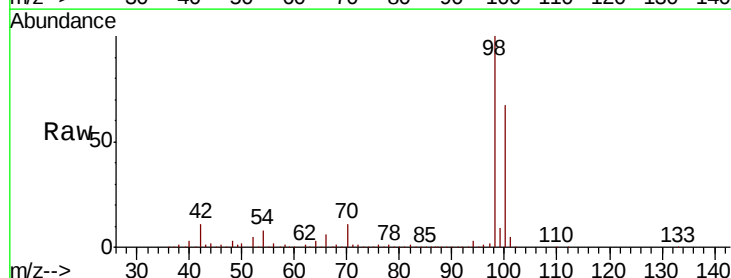
Manual Integrations
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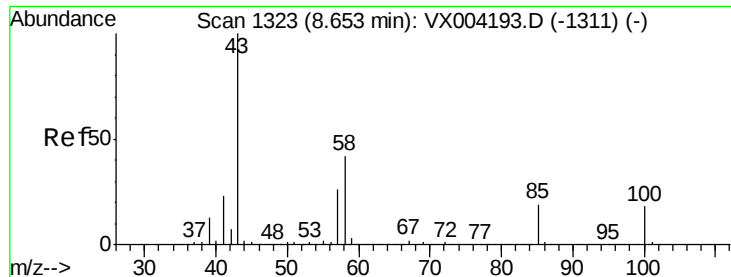
MMDadoda
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#50
Toluene-d8
Concen: 49.36 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 102.22 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VX0906WBSD01

Tot Ion: 43 Resp: 629839

Ion Ratio Lower Upper

43 100

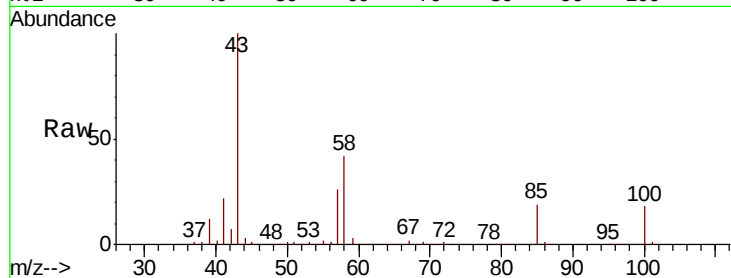
58 41.2 33.1 49.7

Manual Integrations

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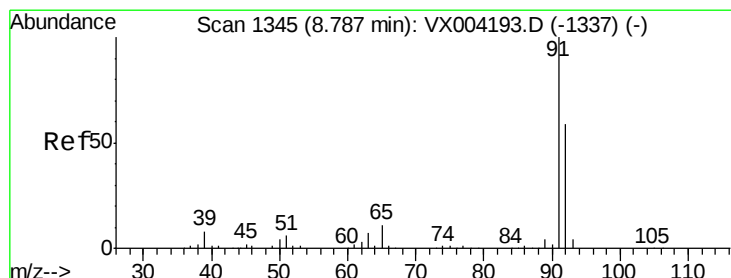
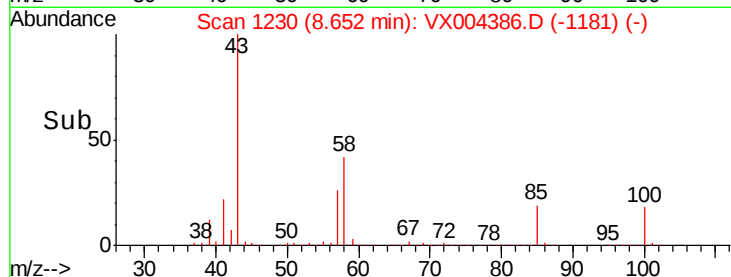
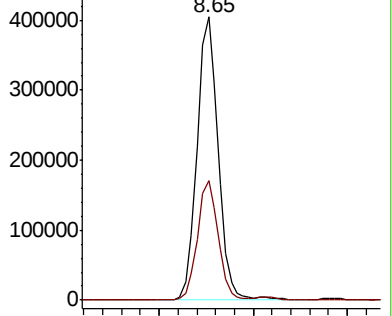
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.21 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004386.D

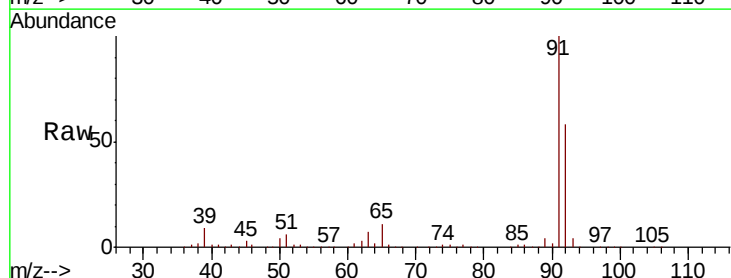
Acq: 06 Sep 2018 15:45

Tgt Ion: 92 Resp: 212076

Ion Ratio Lower Upper

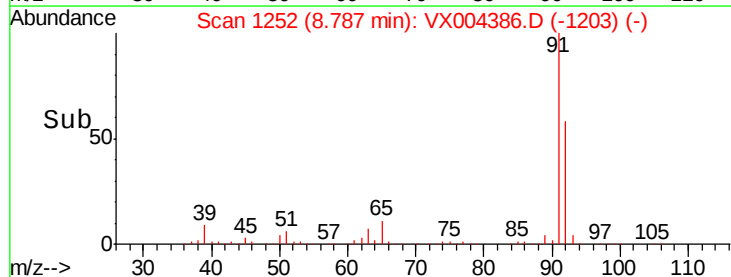
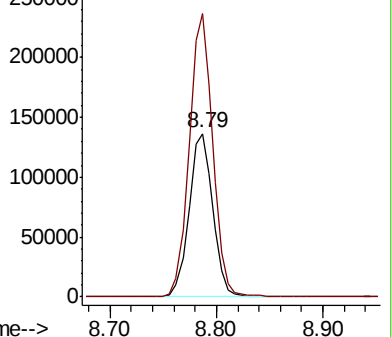
92 100

91 171.4 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





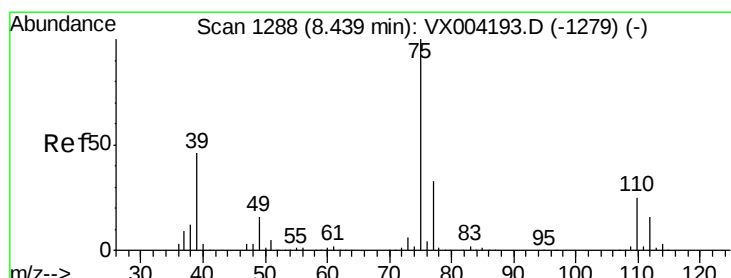
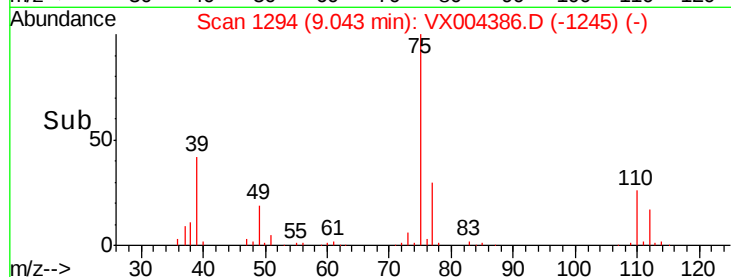
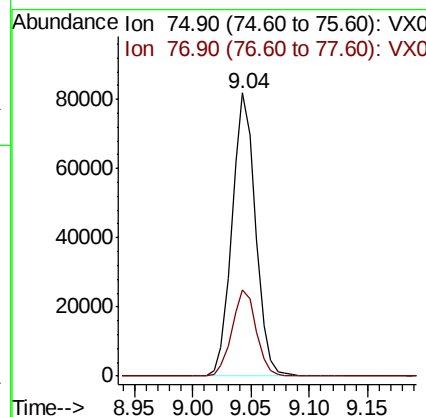
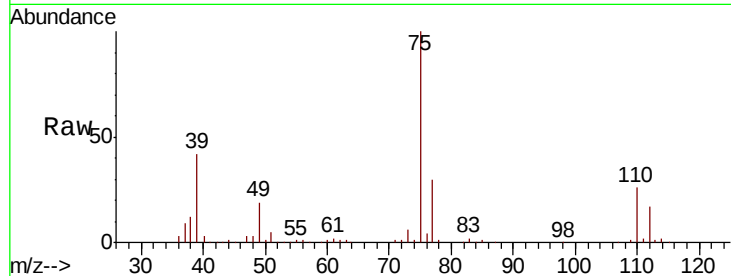
#53
 t-1,3-Dichloropropene
 Concen: 19.96 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX004386.D
 Acq: 06 Sep 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906WBSD01

Tot Ion: 75 Resp: 114596
 Ion Ratio Lower Upper
 75 100
 77 30.4 24.6 37.0

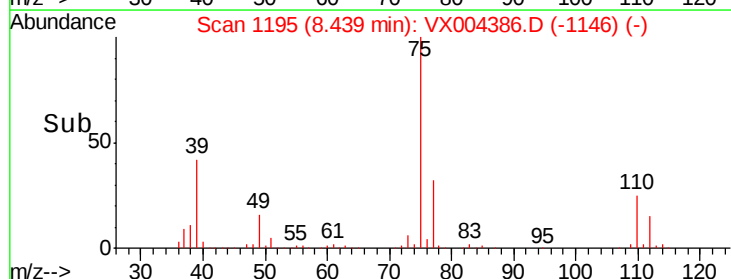
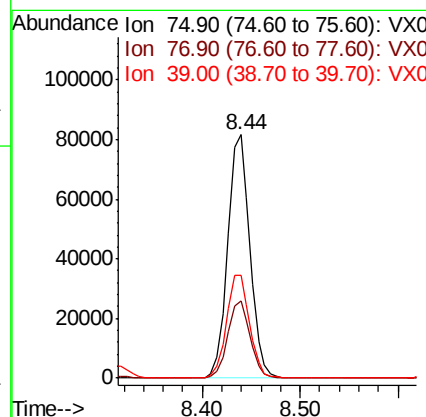
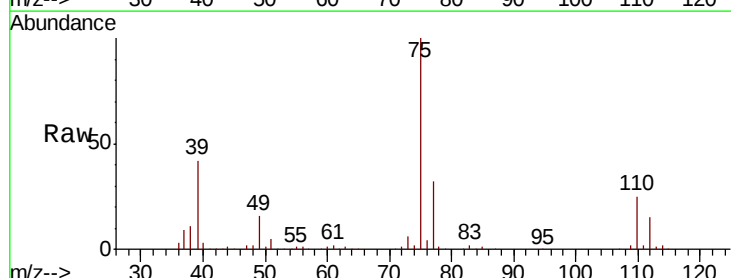
Manual Integrations
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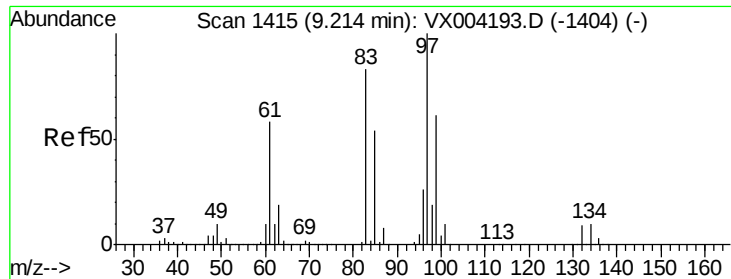
MMDadoda
 9/7/2018 1:42:56 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.51 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: VX004386.D
 Acq: 06 Sep 2018 15:45

Tgt Ion: 75 Resp: 128270
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.2 39.2
 39 42.3 36.4 54.6





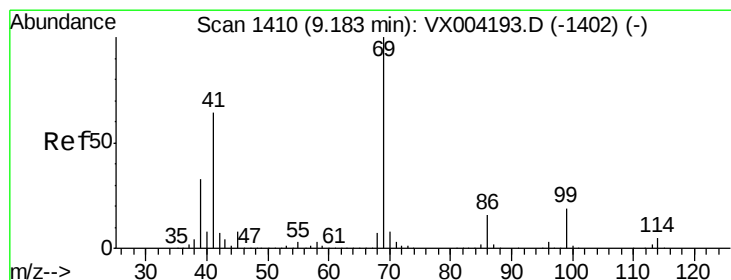
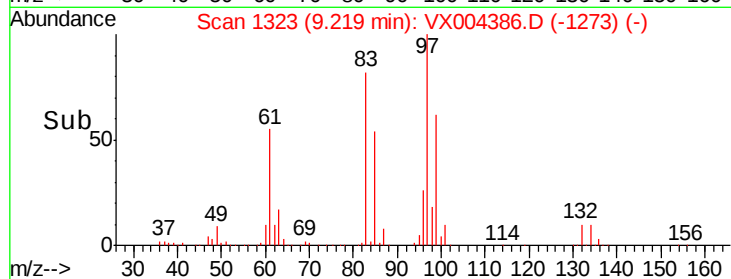
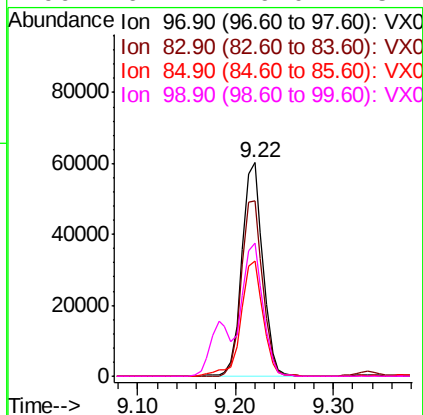
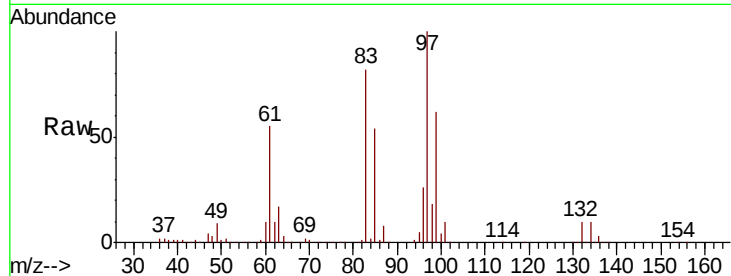
#55
 1,1,2-Trichloroethane
 Concen: 20.99 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VX004386.D
 Acq: 06 Sep 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906WBSD01

Tot Ion:	97	Resp:	88918
Ion	Ratio	Lower	Upper
97	100		
83	82.3	66.4	99.6
85	54.1	43.3	64.9
99	62.4	49.0	73.4

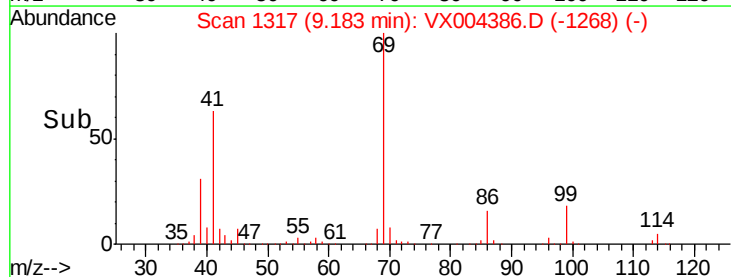
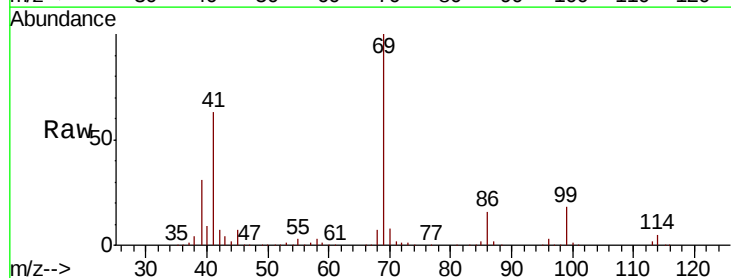
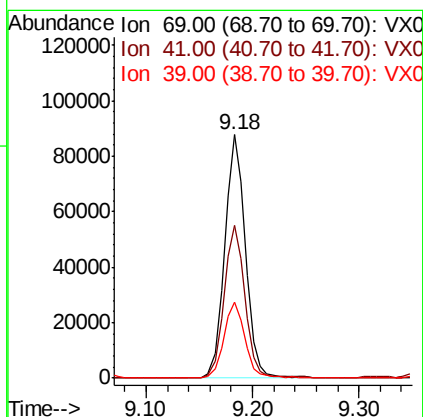
Manual Integrations
 APPROVED

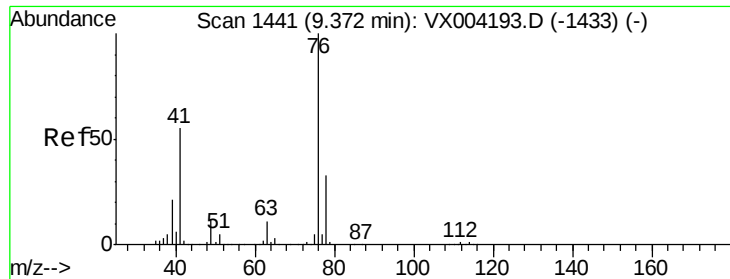
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#56
 Ethyl methacrylate
 Concen: 20.79 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004386.D
 Acq: 06 Sep 2018 15:45

Tgt Ion:	69	Resp:	119906
Ion	Ratio	Lower	Upper
69	100		
41	62.9	51.0	76.4
39	31.5	26.1	39.1





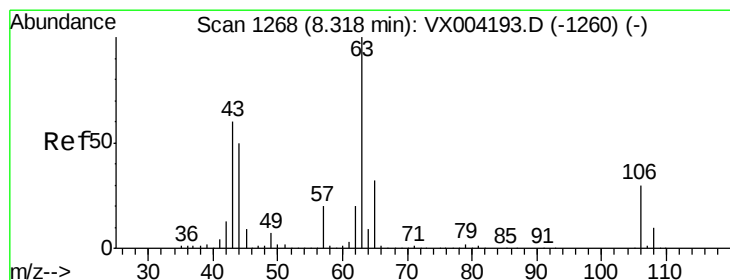
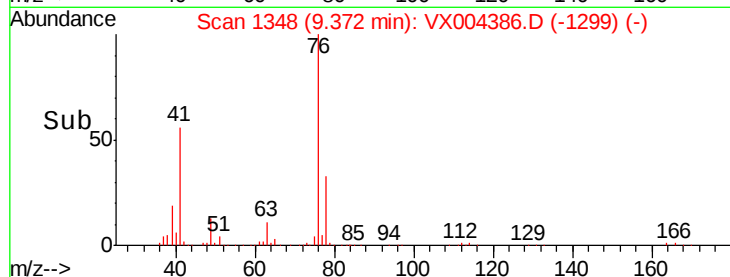
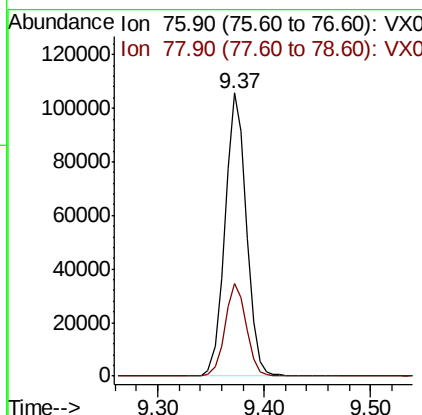
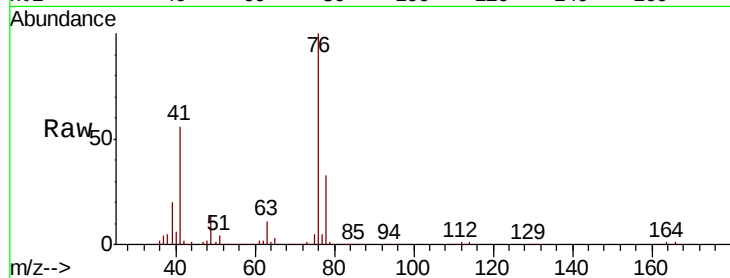
#57
 1,3-Dichloropropane
 Concen: 20.82 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004386.D
 Acq: 06 Sep 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906WBSD01

Tot Ion: 76 Resp: 148704
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.5 38.3

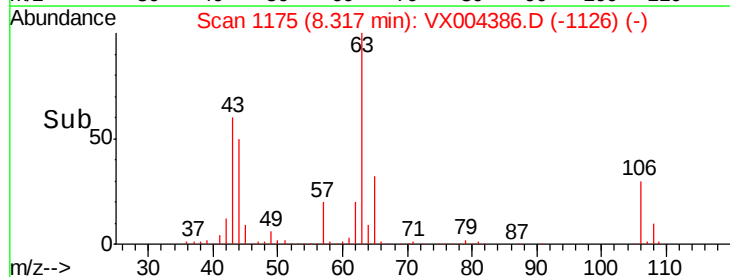
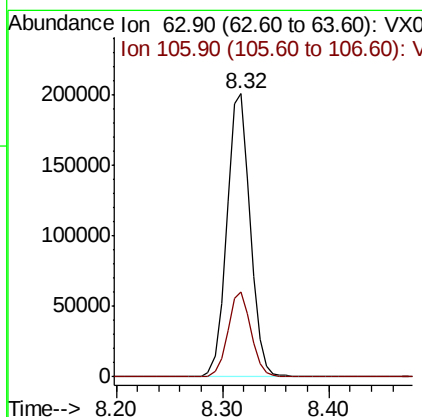
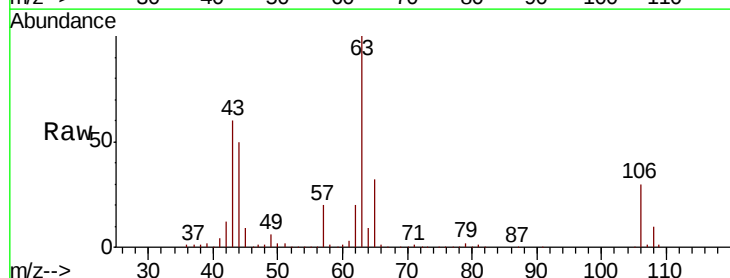
Manual Integrations
 APPROVED

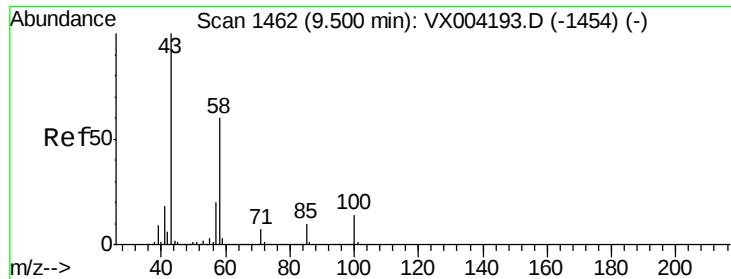
MMDadoda
 9/7/2018 1:42:56 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.24 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VX004386.D
 Acq: 06 Sep 2018 15:45

Tgt Ion: 63 Resp: 308070
 Ion Ratio Lower Upper
 63 100
 106 29.7 23.9 35.9





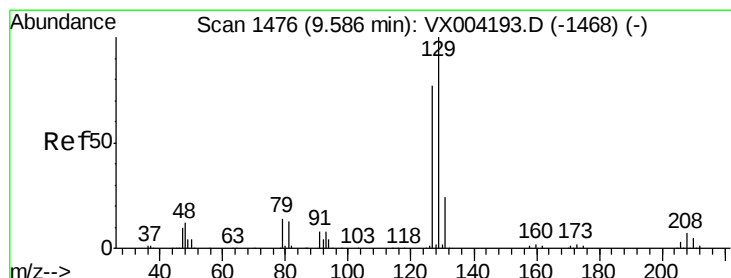
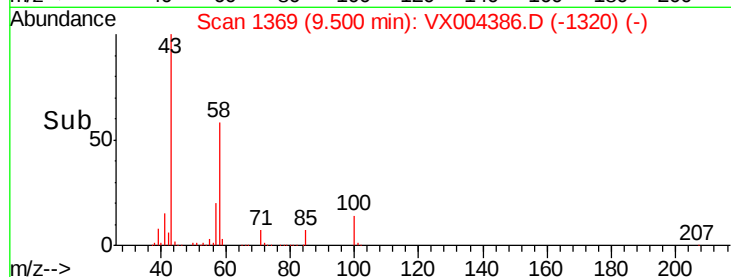
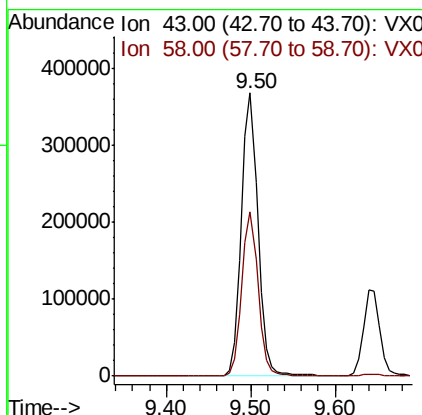
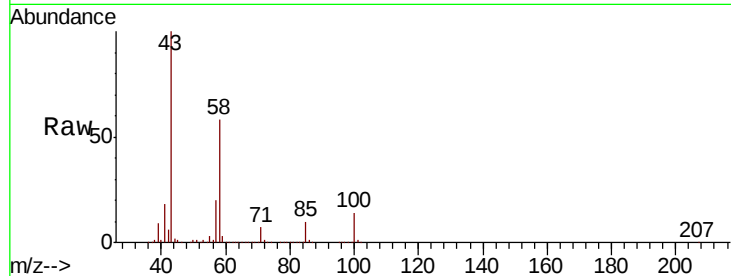
#59
2-Hexanone
Concen: 102.38 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VX0906WBSD01

Tot Ion: 43 Resp: 481255
Ion Ratio Lower Upper
43 100
58 57.5 29.0 87.0

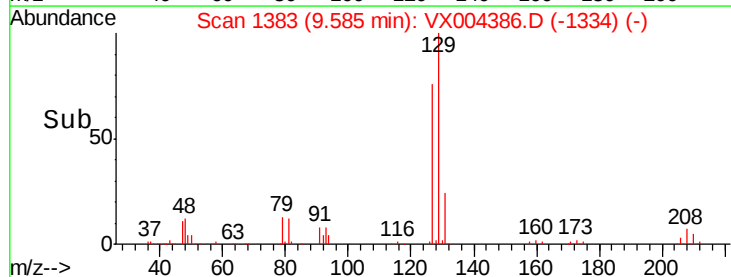
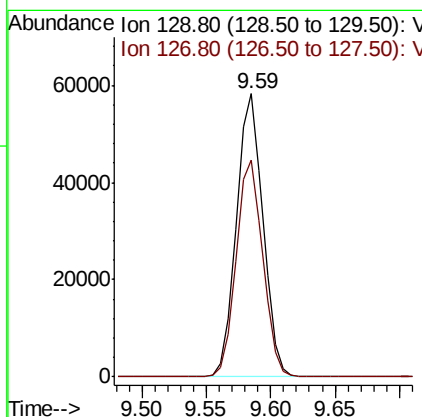
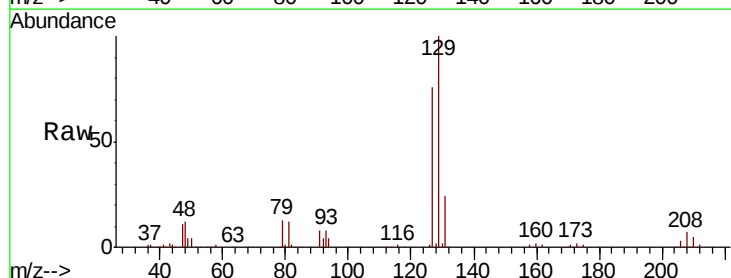
Manual Integrations
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#60
Dibromochloromethane
Concen: 20.19 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Tgt Ion: 129 Resp: 83345
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.31 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VX0906WBSD01

Tot Ion:107 Resp: 89049

Ion Ratio Lower Upper

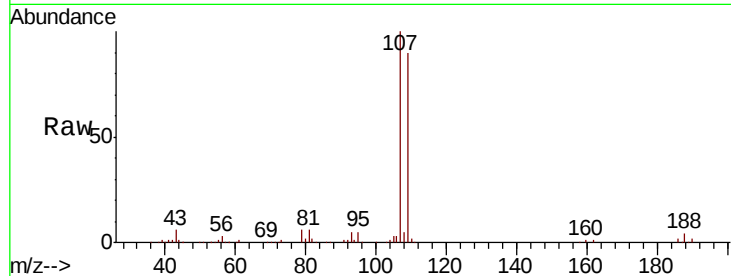
107 100

109 94.5 76.0 114.0

Manual Integrations
APPROVED

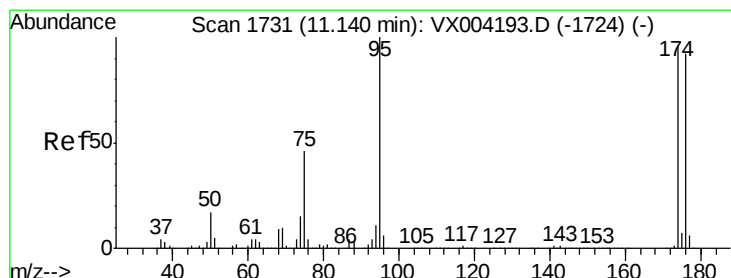
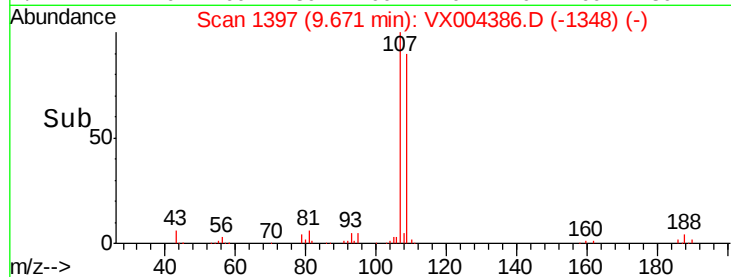
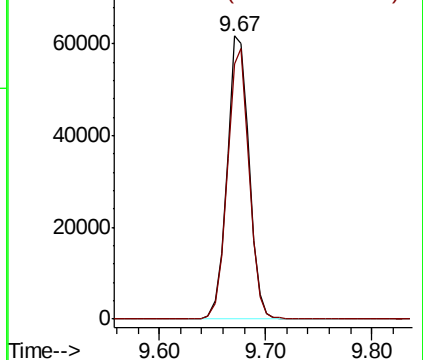
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.35 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

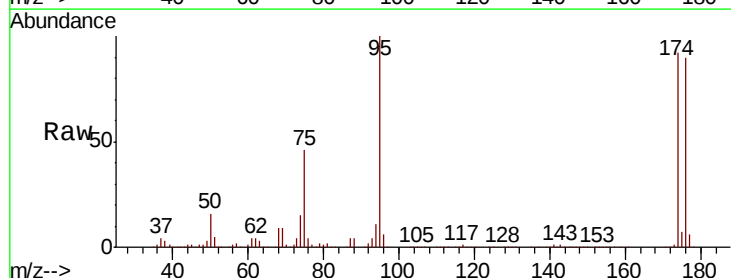
Tgt Ion: 95 Resp: 263314

Ion Ratio Lower Upper

95 100

174 91.2 0.0 185.2

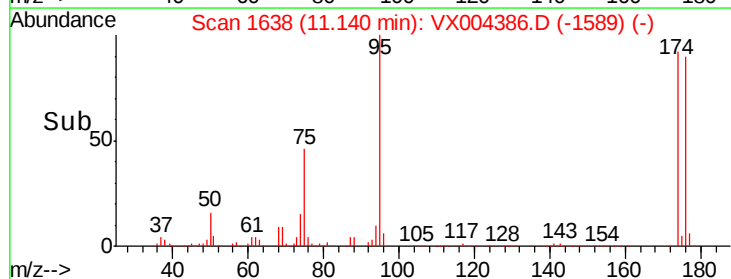
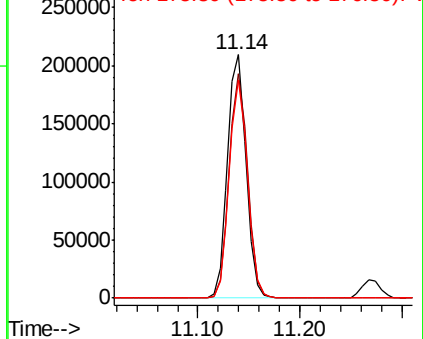
176 88.5 0.0 178.6

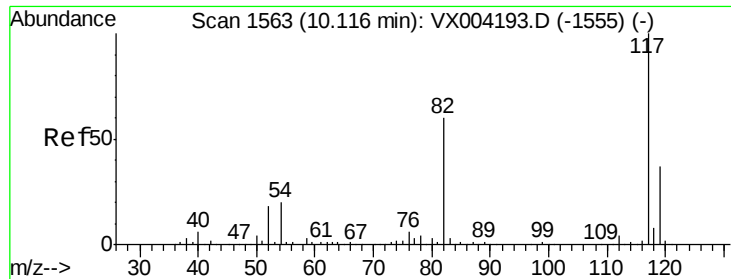


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





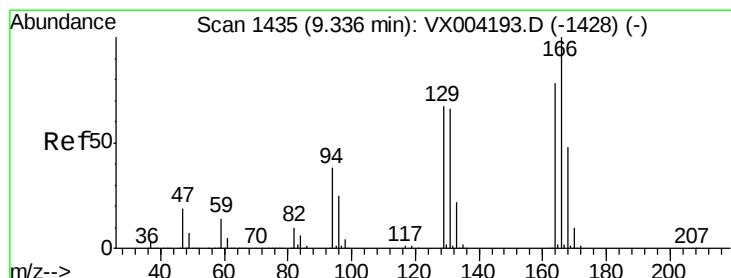
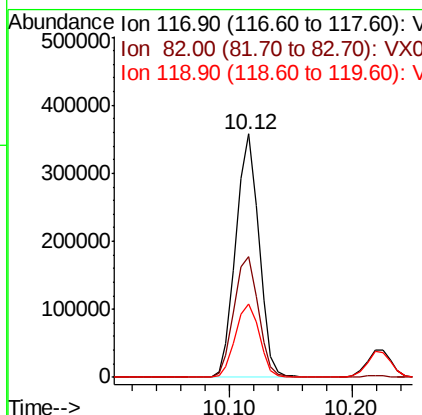
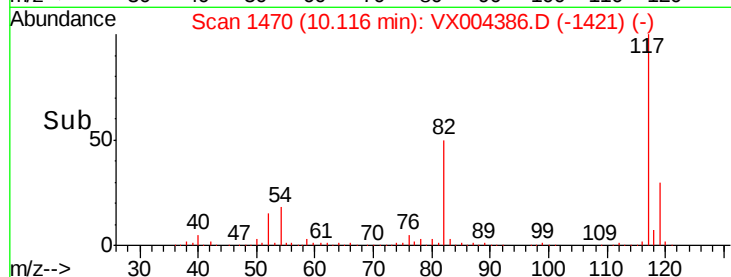
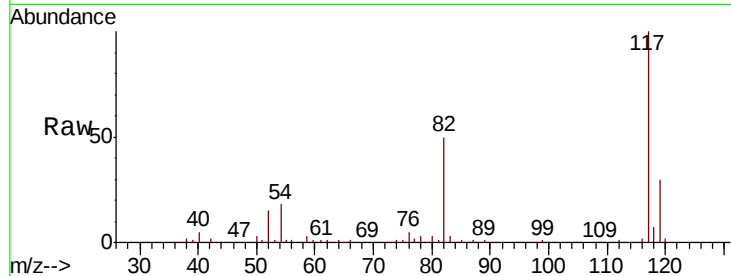
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VX0906WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.5	47.8	71.6
119	30.3	29.3	43.9

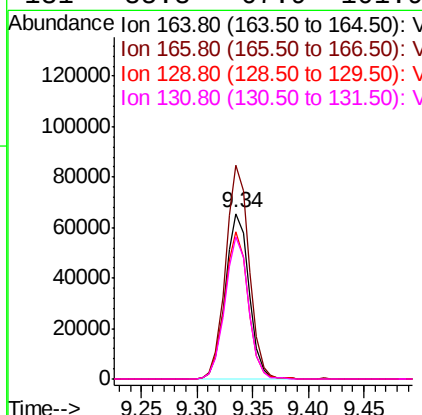
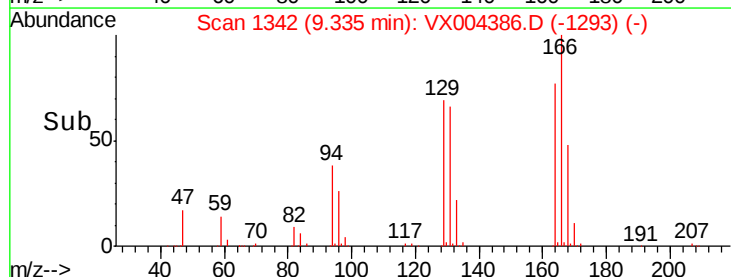
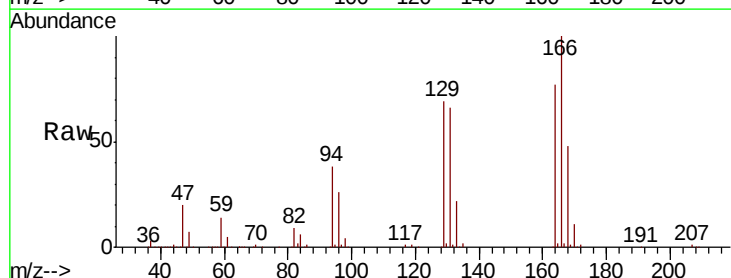
Manual Integrations
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#64
Tetrachloroethene
Concen: 20.82 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	102.8	154.2
129	89.1	69.4	104.0
131	85.8	67.9	101.9





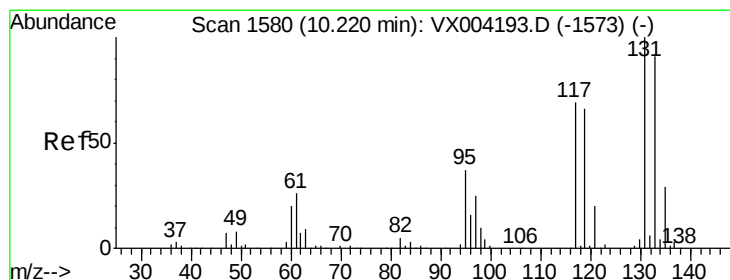
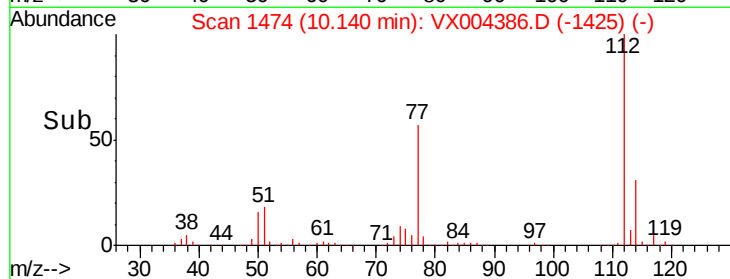
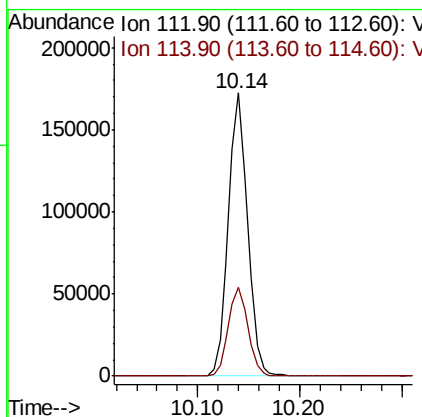
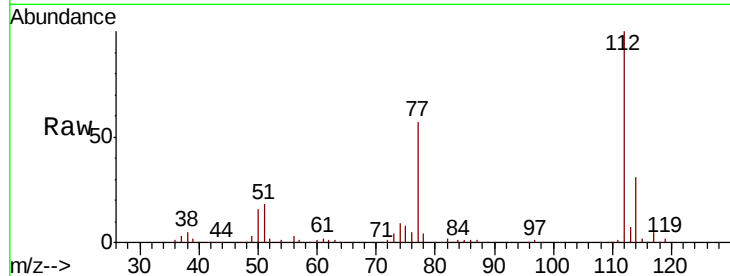
#65
Chlorobenzene
Concen: 19.10 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VX0906WBSD01

Tot Ion:112 Resp: 224784
Ion Ratio Lower Upper
112 100
114 31.2 27.8 41.8

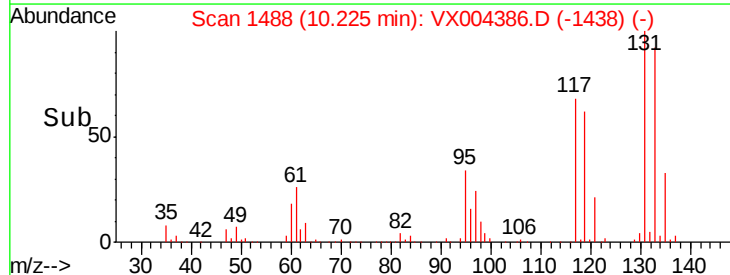
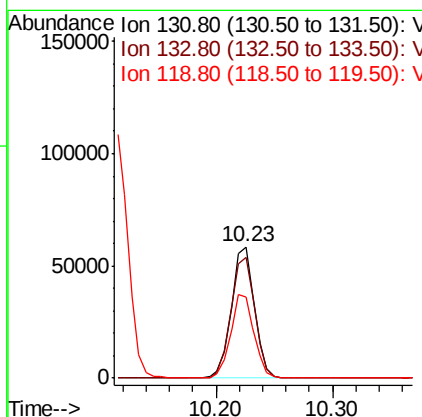
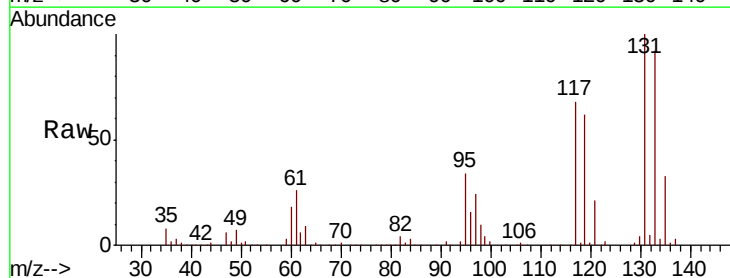
Manual Integrations
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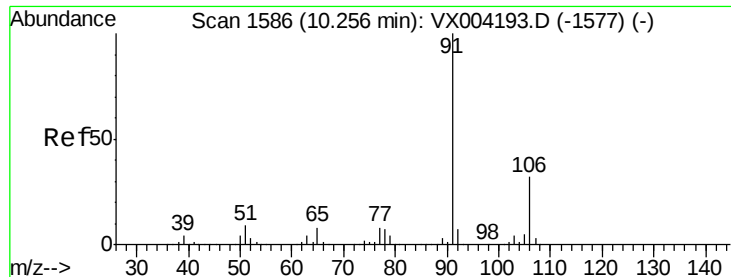
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.84 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Tgt Ion:131 Resp: 80499
Ion Ratio Lower Upper
131 100
133 95.6 48.1 144.4
119 64.6 32.9 98.6





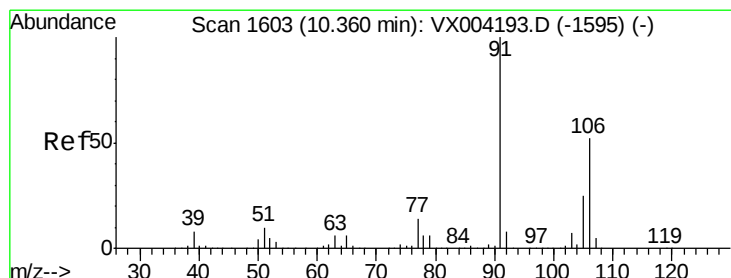
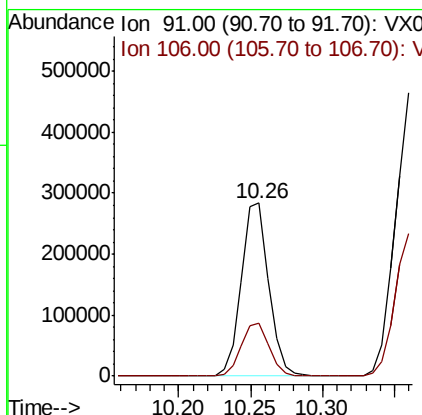
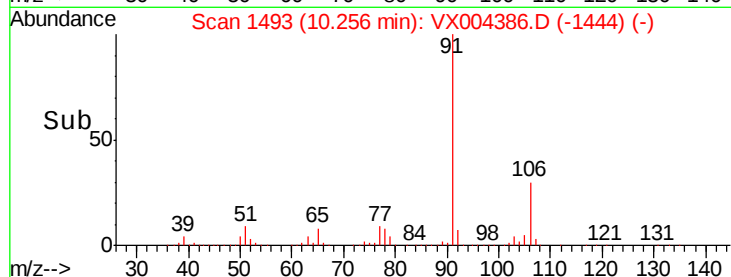
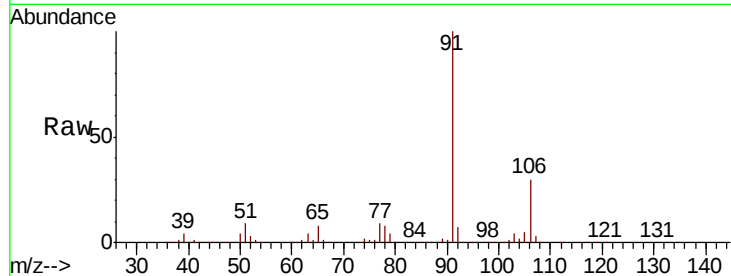
#67
Ethyl Benzene
Concen: 19.68 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Instrument :
MSVOA_X
ClientSampled :
VX0906WBSD01

Tot Ion: 91 Resp: 375989
Ion Ratio Lower Upper
91 100
106 30.3 25.9 38.9

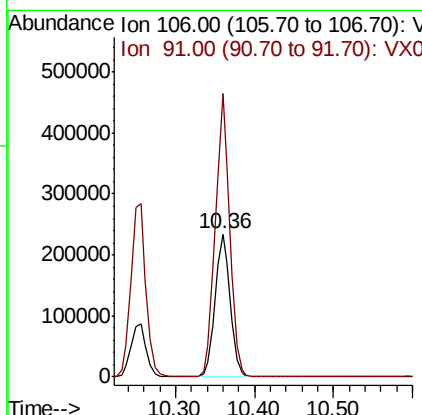
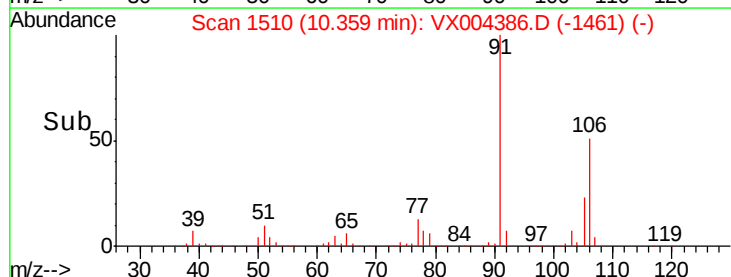
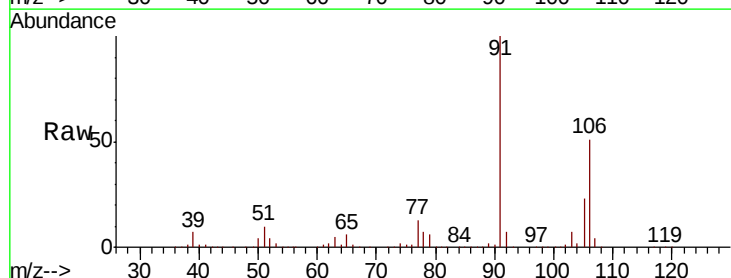
Manual Integrations
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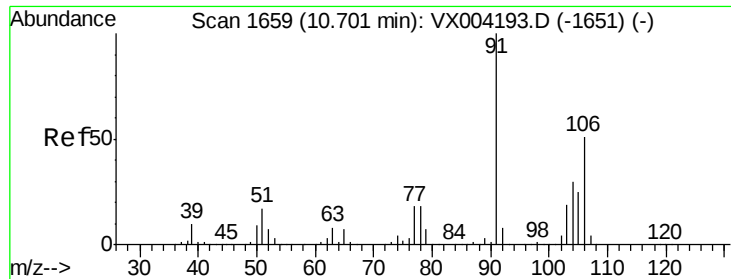
MMDadoda
9/7/2018 1:42:56 PM



#68
m/p-Xylenes
Concen: 41.45 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Tgt Ion: 106 Resp: 309675
Ion Ratio Lower Upper
106 100
91 191.1 157.1 235.7





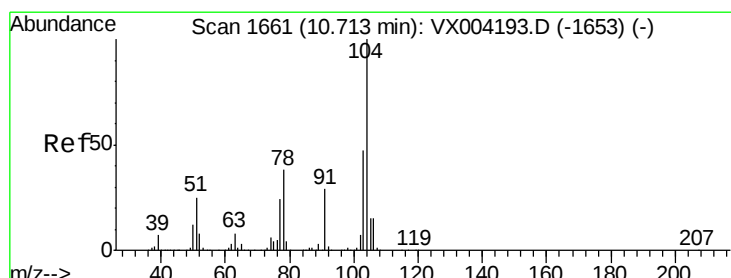
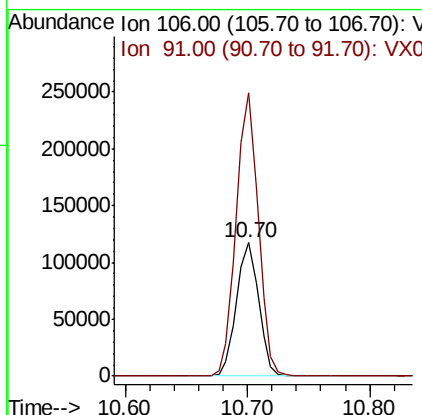
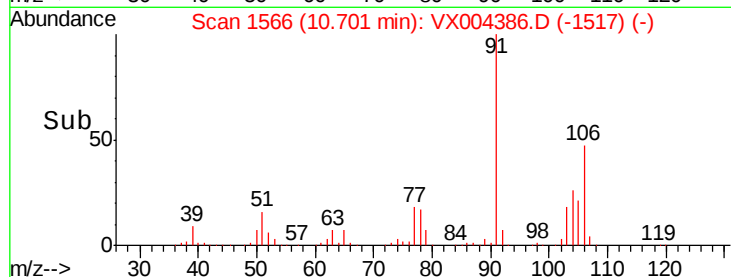
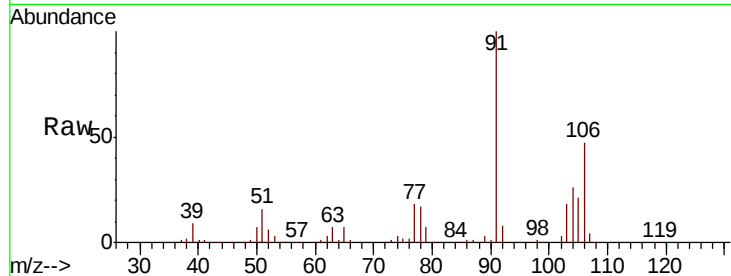
#69
o-Xylene
Concen: 20.88 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VX0906WBSD01

Tot Ion:106 Resp: 147563
Ion Ratio Lower Upper
106 100
91 210.7 105.1 315.1

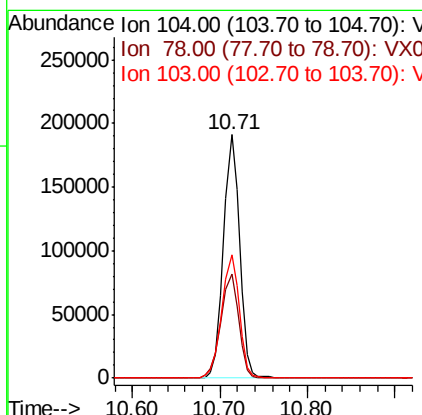
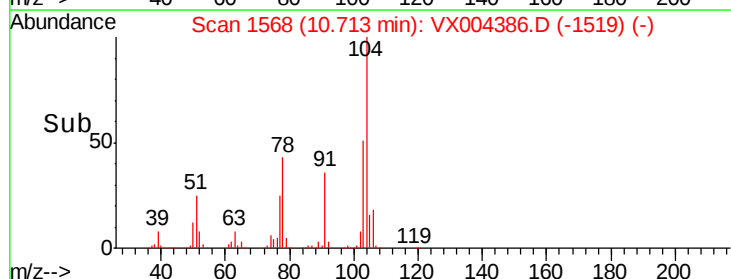
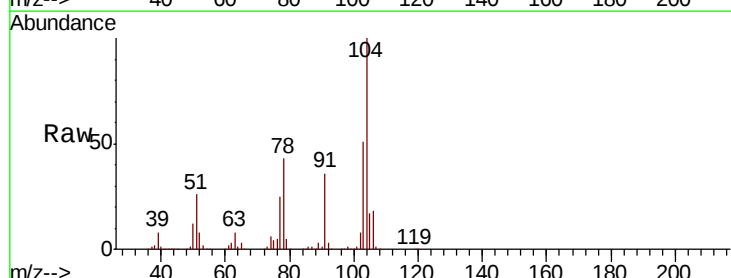
Manual Integrations
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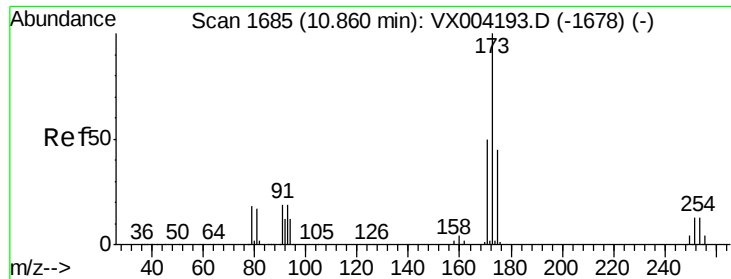
MMDadoda
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#70
Styrene
Concen: 21.28 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Tgt Ion:104 Resp: 243529
Ion Ratio Lower Upper
104 100
78 47.5 37.4 56.0
103 55.1 43.8 65.6





#71

Bromoform

Concen: 19.61 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

Instrument :

MSVOA_X

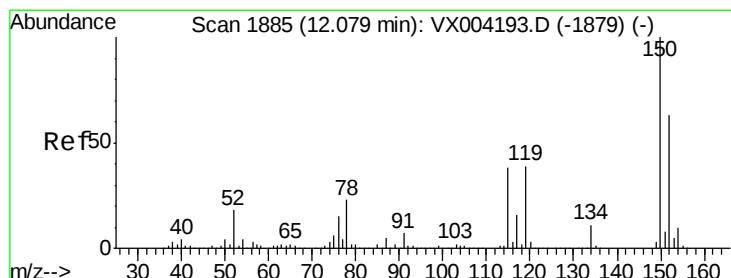
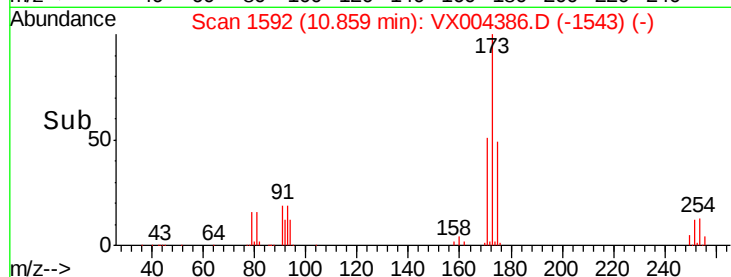
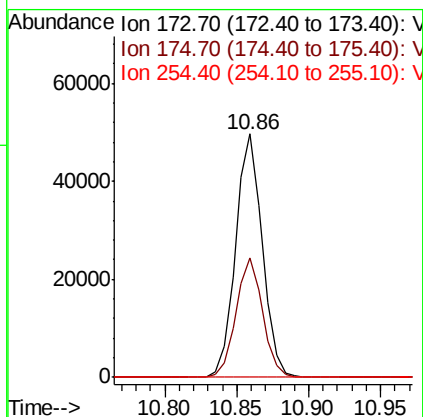
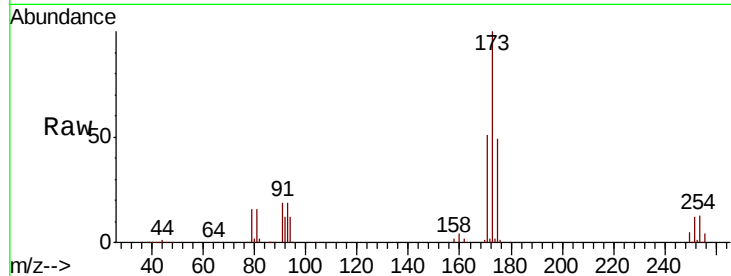
ClientSampleId :

VX0906WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.3
254	0.2	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

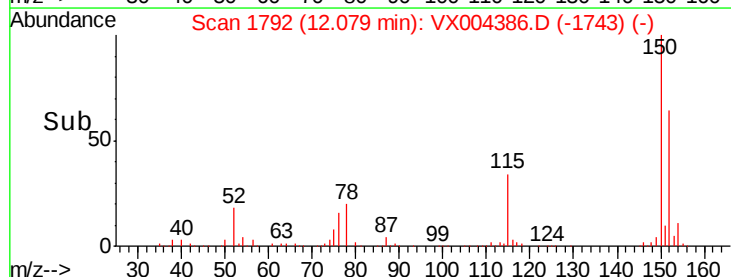
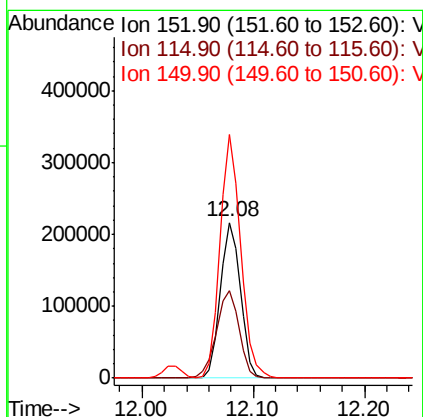
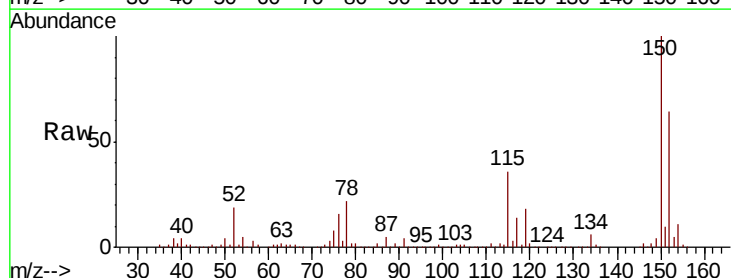
RT: 12.08 min Scan# 1792

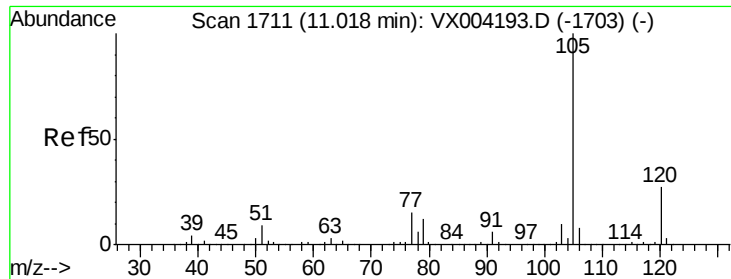
Delta R.T. -0.00 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.7	39.0	117.0
150	162.1	0.0	351.0





#73

Isopropylbenzene

Concen: 22.76 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

Instrument :

MSVOA_X

ClientSampled :

VX0906WBSD01

Tot Ion: 105 Resp: 403125

Ion Ratio Lower Upper

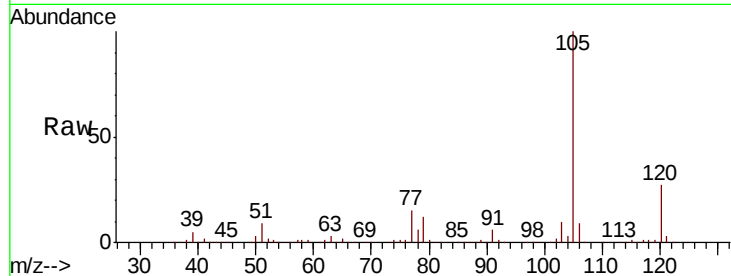
105 100

120 26.9 13.5 40.4

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

300000

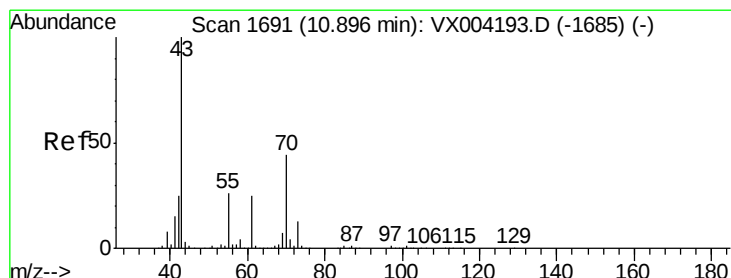
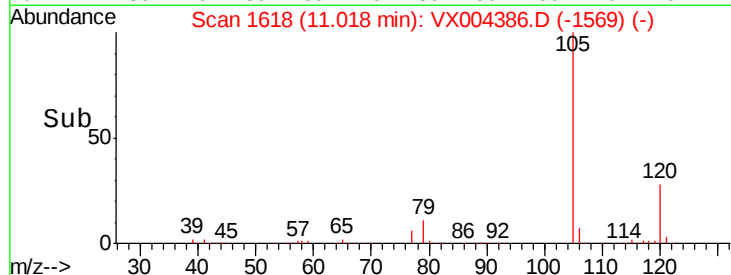
200000

100000

0

Time-->

11.00 11.10



#74

N-ethyl acetate

Concen: 21.61 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

Tgt Ion: 43 Resp: 147369

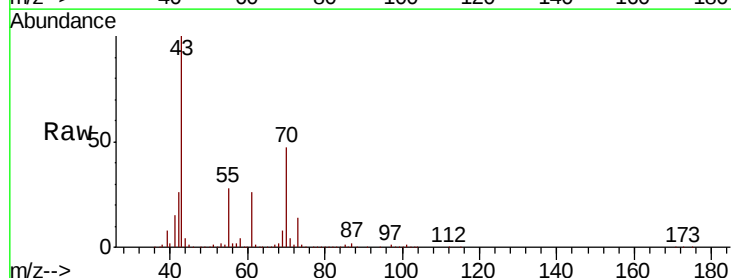
Ion Ratio Lower Upper

43 100

70 46.5 37.4 56.0

55 28.1 21.8 32.8

61 25.2 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

10.90

150000

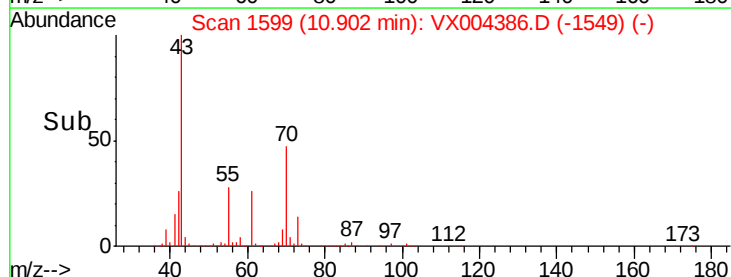
100000

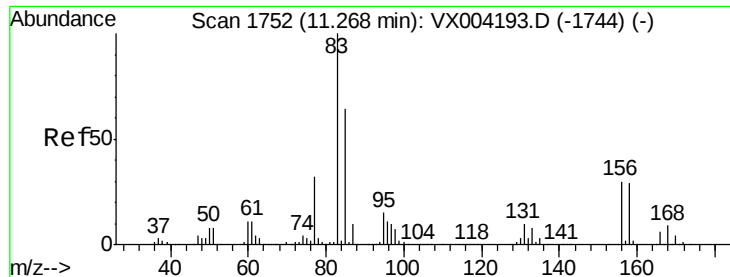
50000

0

Time-->

10.90 11.00





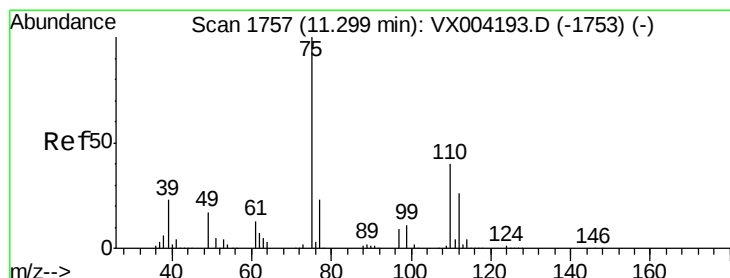
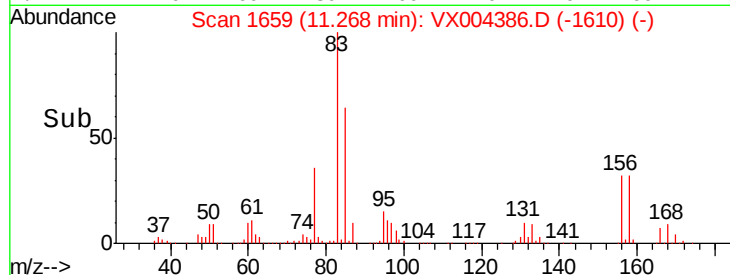
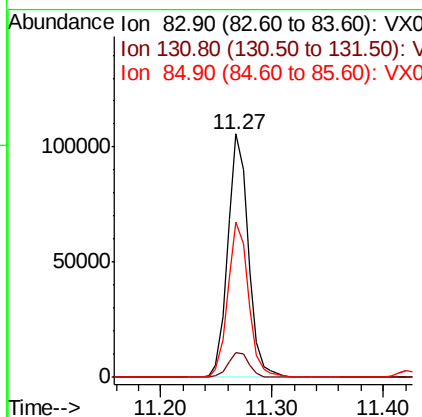
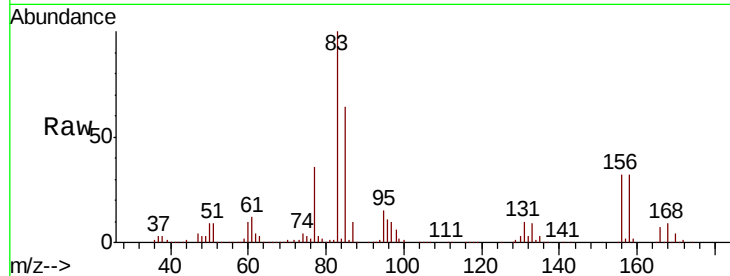
#75
 1,1,2,2-Tetrachloroethane
 Concen: 21.84 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX004386.D
 Acq: 06 Sep 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.5	5.2	15.6	
85	64.0	32.3	96.8	

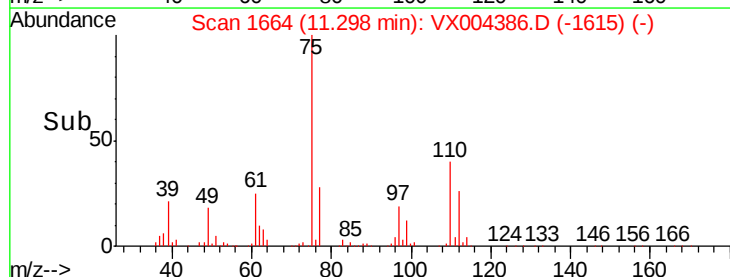
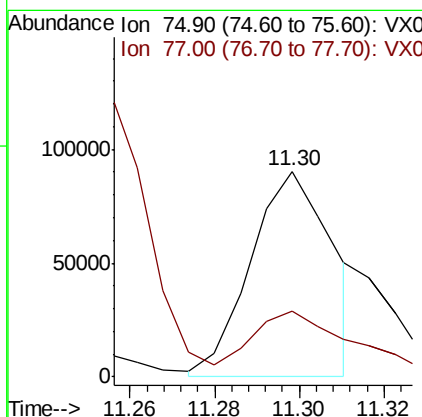
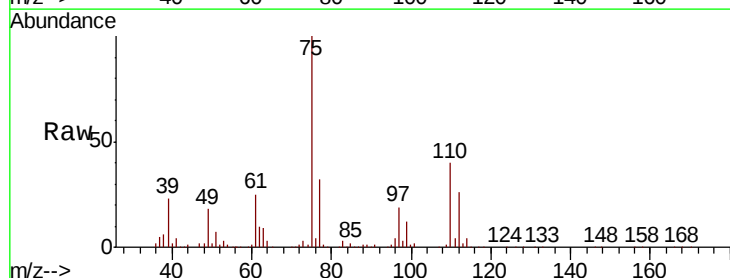
Manual Integrations
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#76
 1,2,3-Trichloropropane
 Concen: 22.18 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. -0.00 min
 Lab File: VX004386.D
 Acq: 06 Sep 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	39.8	20.2	60.6	





#77

Bromobenzene

Concen: 21.98 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

Instrument :

MSVOA_X

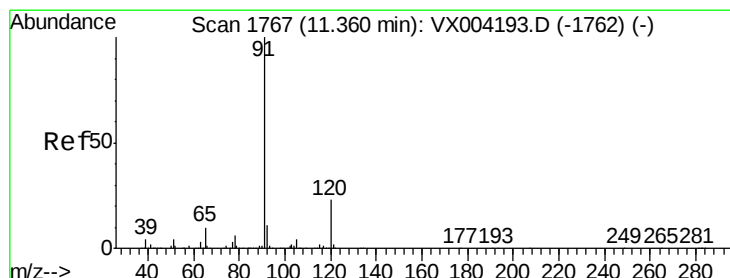
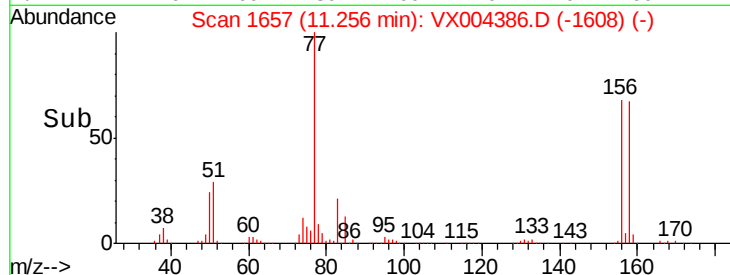
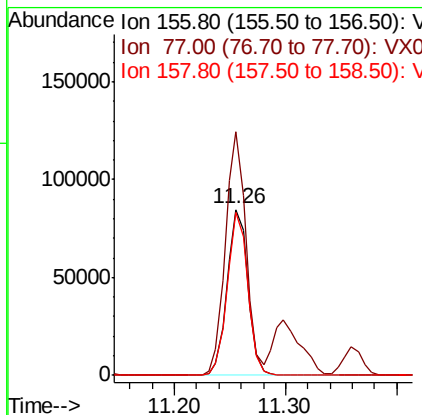
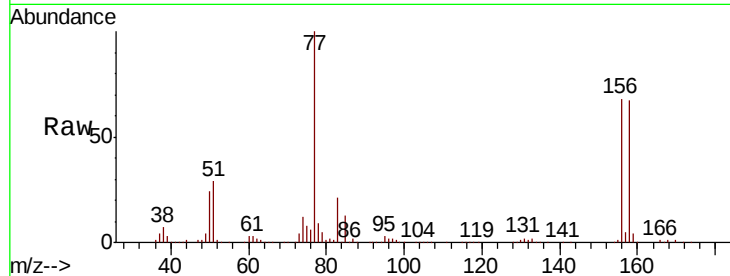
ClientSampleId :

VX0906WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	145.7	71.5	214.3
158	97.0	48.9	146.8

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#78

n-propylbenzene

Concen: 22.48 ug/l

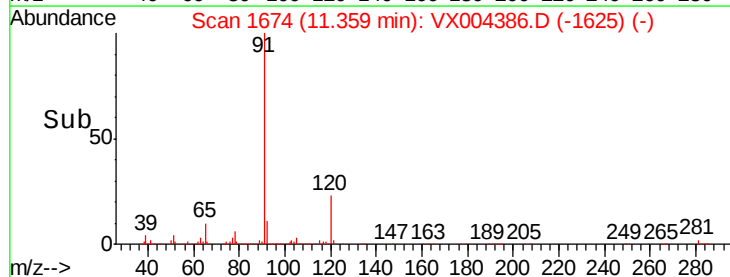
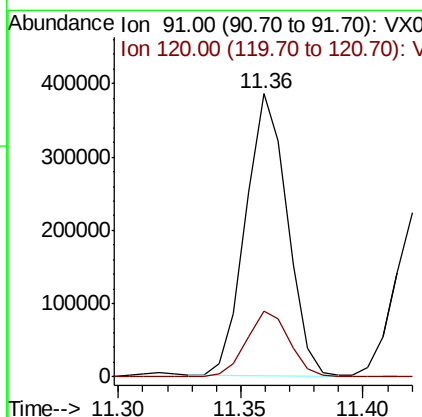
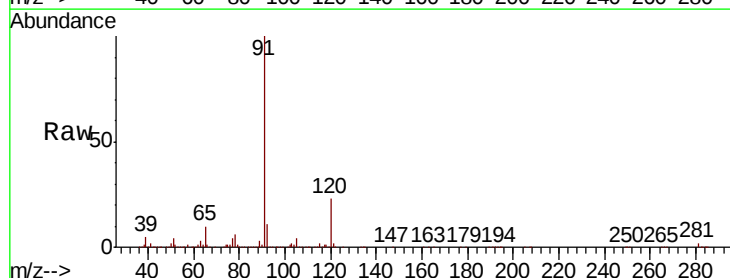
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004386.D

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Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.9	35.9





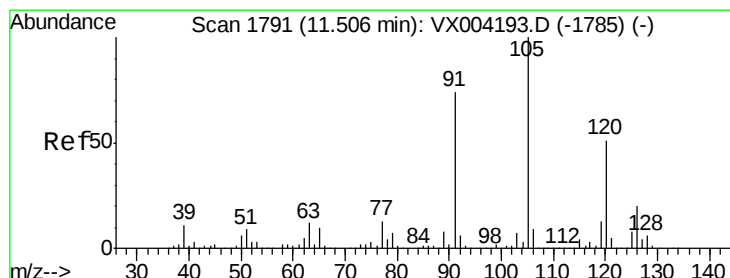
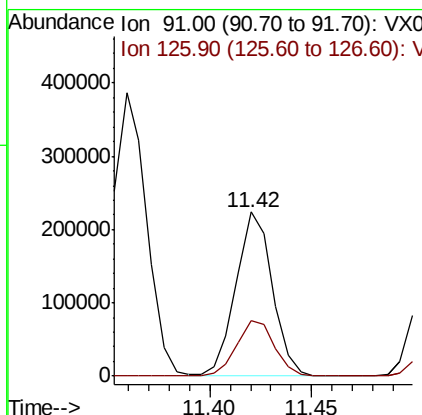
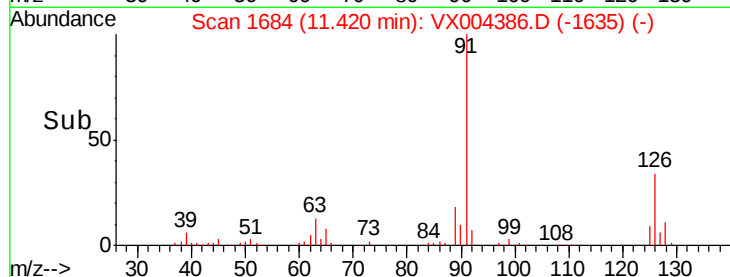
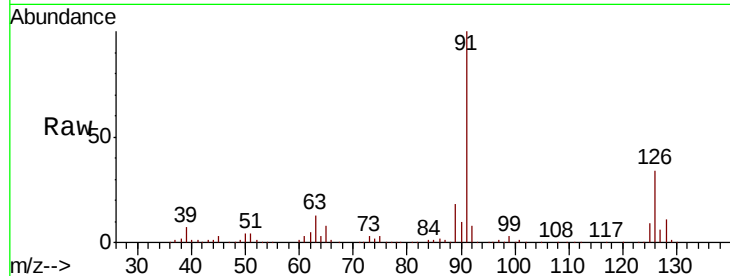
#79
 2-Chlorotoluene
 Concen: 21.99 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX004386.D
 Acq: 06 Sep 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906WBSD01

Tot Ion: 91 Resp: 275721
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.9 53.7

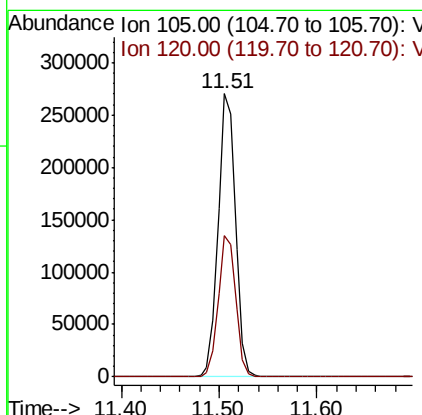
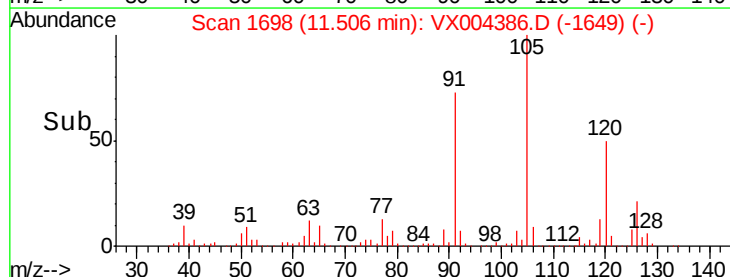
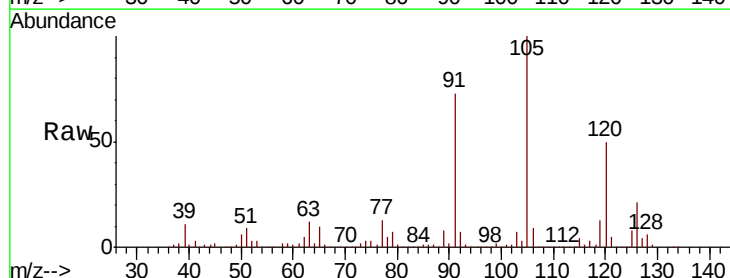
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.63 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX004386.D
 Acq: 06 Sep 2018 15:45

Tgt Ion: 105 Resp: 331915
 Ion Ratio Lower Upper
 105 100
 120 50.4 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.87 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VX0906WBSD01

Tot Ion: 75 Resp: 35265

Ion Ratio Lower Upper

75 100

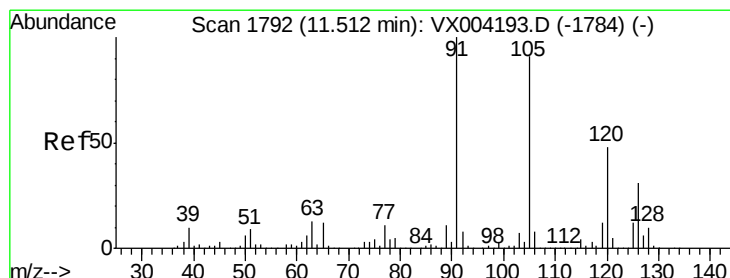
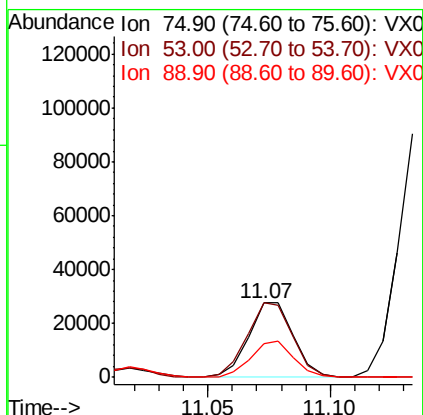
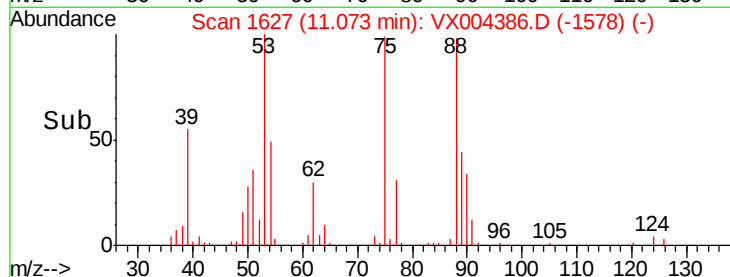
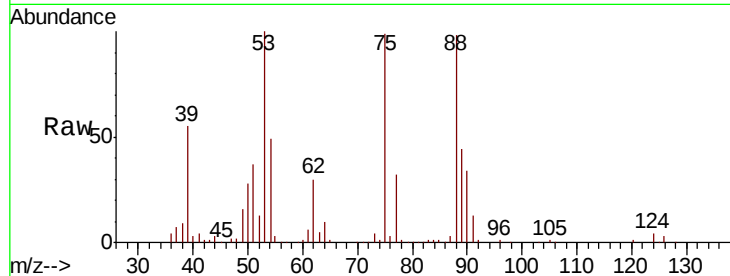
53 101.8 80.1 120.1

89 46.5 37.2 55.8

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#82

4-Chlorotoluene

Concen: 21.61 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004386.D

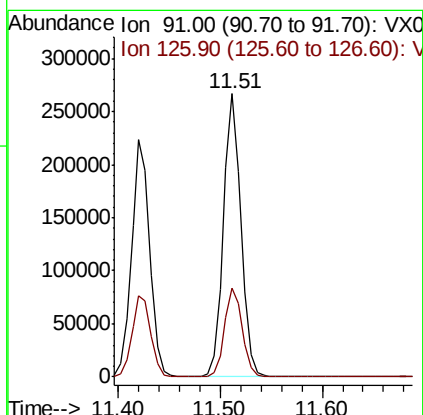
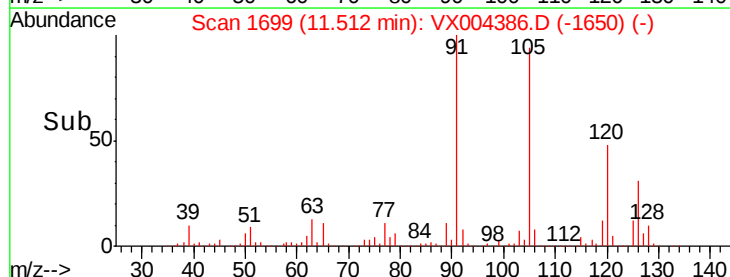
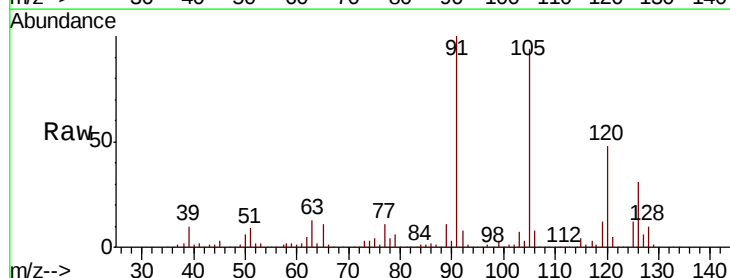
Acq: 06 Sep 2018 15:45

Tgt Ion: 91 Resp: 318851

Ion Ratio Lower Upper

91 100

126 31.5 15.5 46.5





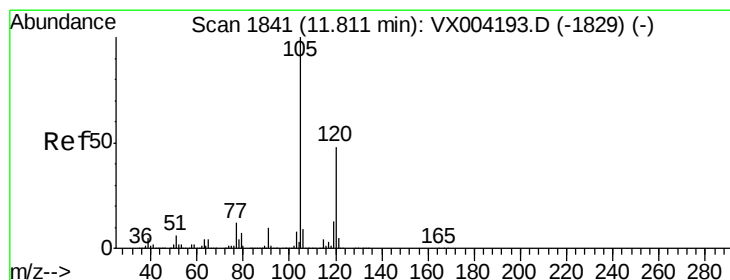
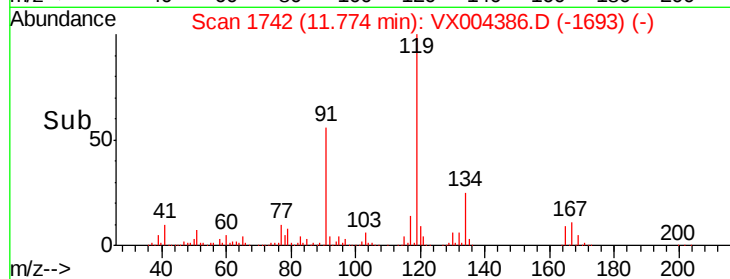
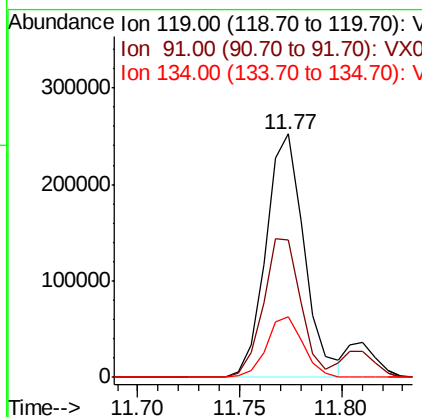
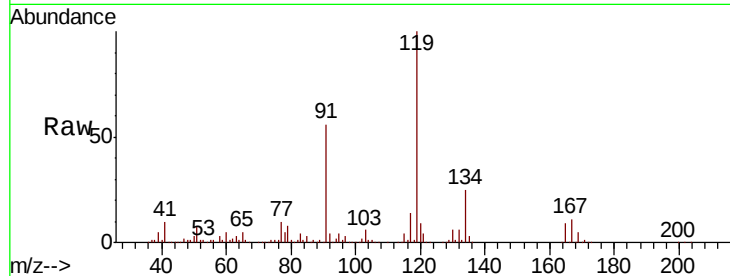
#83
 tert-Butylbenzene
 Concen: 22.44 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004386.D
 Acq: 06 Sep 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.5	27.0	81.0
134	23.8	11.7	35.1

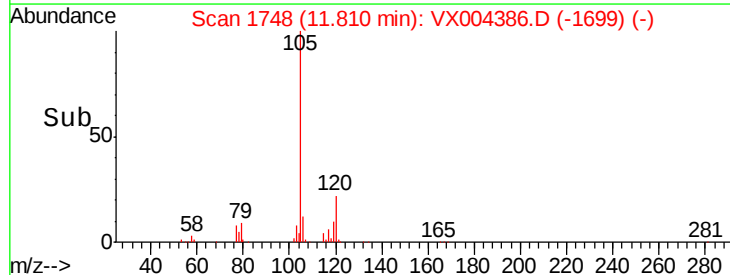
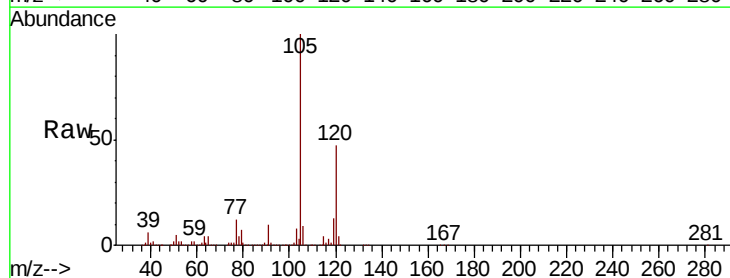
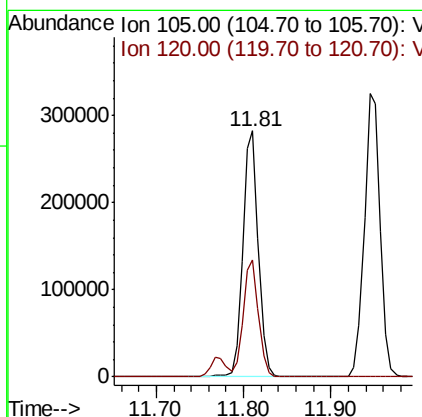
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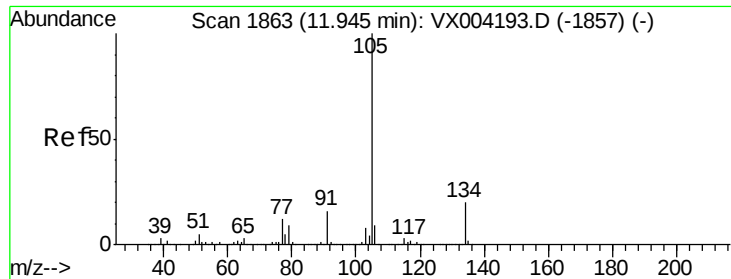
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.03 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004386.D
 Acq: 06 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.2	69.6





#85

sec-Butylbenzene

Concen: 23.41 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

Instrument :

MSVOA_X

ClientSampleId :

VX0906WBSD01

Tot Ion:105 Resp: 410022

Ion Ratio Lower Upper

105 100

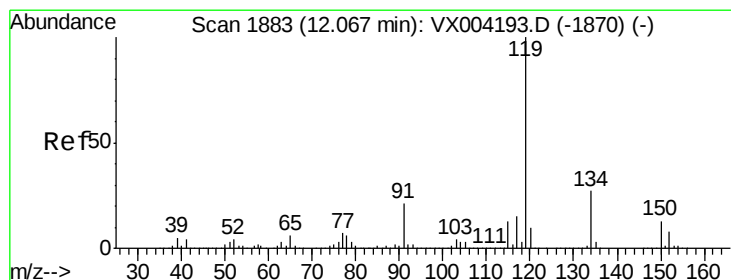
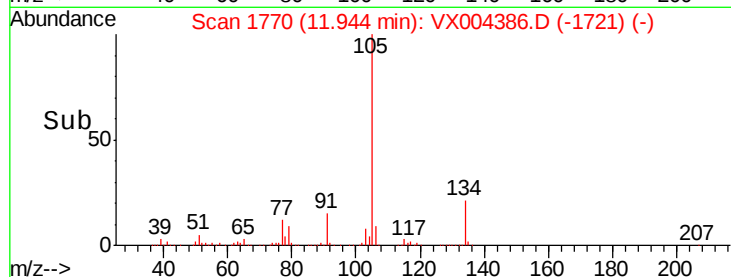
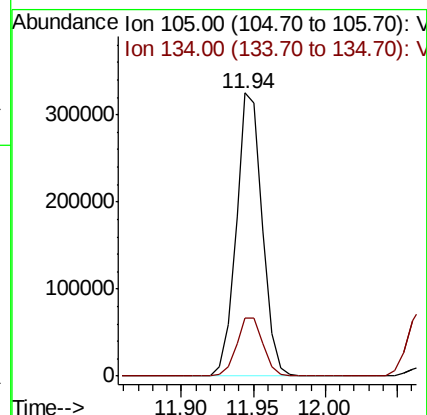
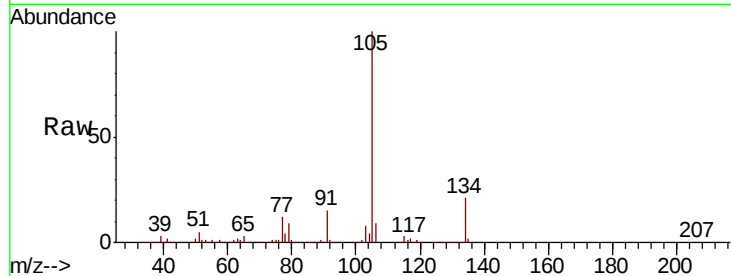
134 20.8 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 22.34 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

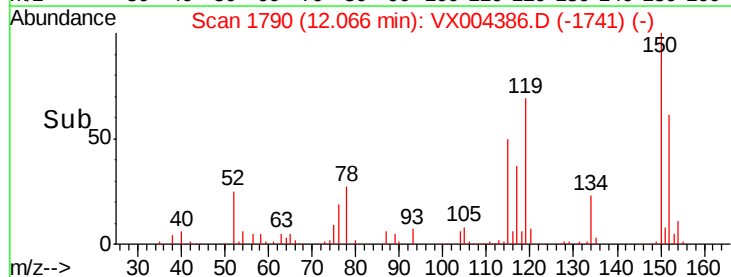
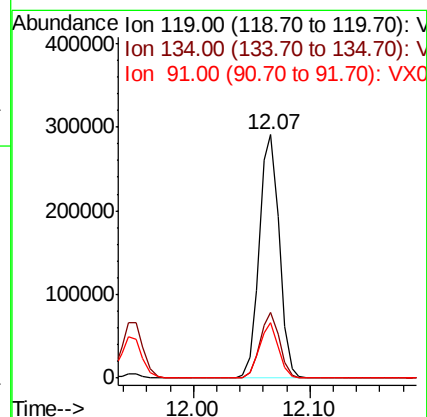
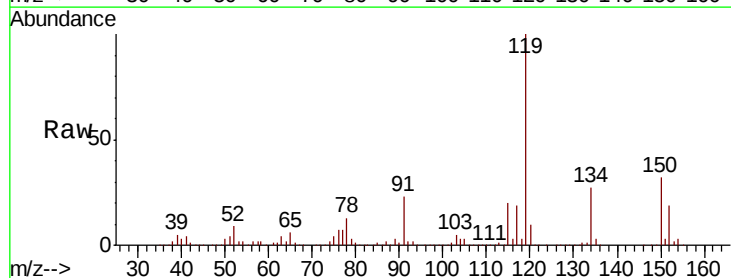
Tgt Ion:119 Resp: 350664

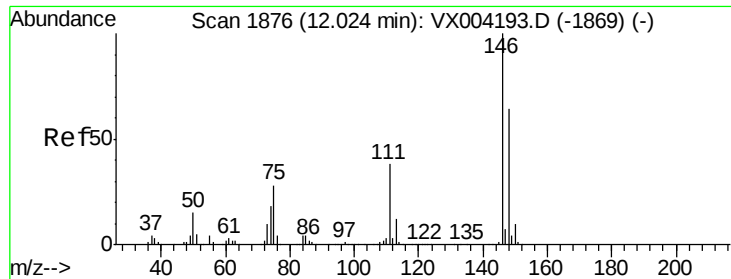
Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

91 21.8 10.9 32.7





#87

1,3-Dichlorobenzene

Concen: 20.60 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. 0.01 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

Instrument :

MSVOA_X

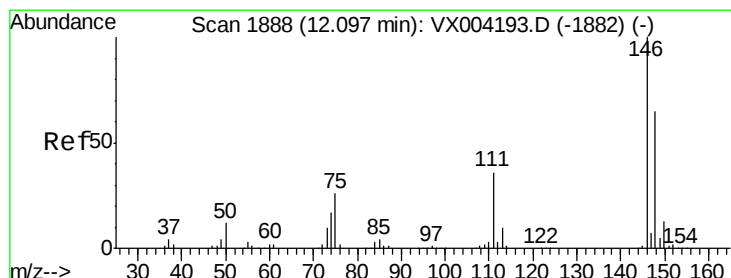
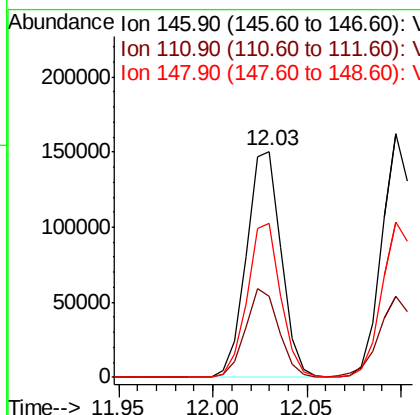
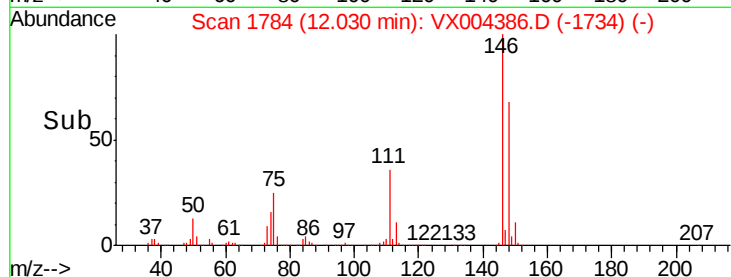
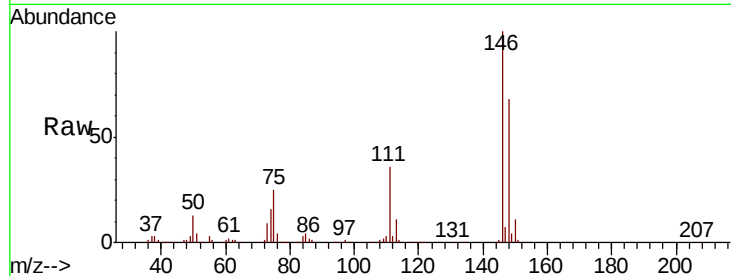
ClientSampleId :

VX0906WBSD01

Tot Ion:	146	Resp:	192621
Ion Ratio	Lower	Upper	
146	100		
111	37.8	18.7	56.1
148	65.9	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 19.71 ug/l

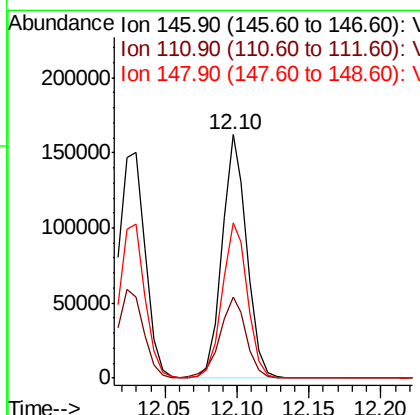
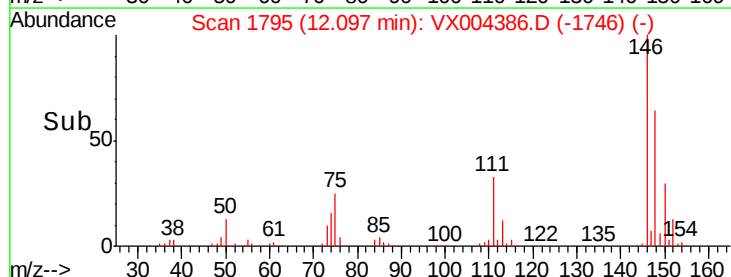
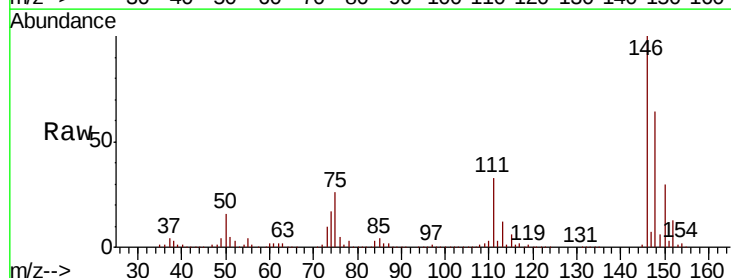
RT: 12.10 min Scan# 1795

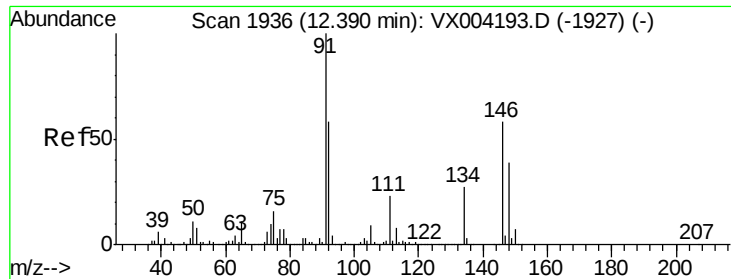
Delta R.T. -0.00 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

Tgt Ion:	146	Resp:	194383
Ion Ratio	Lower	Upper	
146	100		
111	35.8	18.1	54.1
148	65.6	32.0	96.0





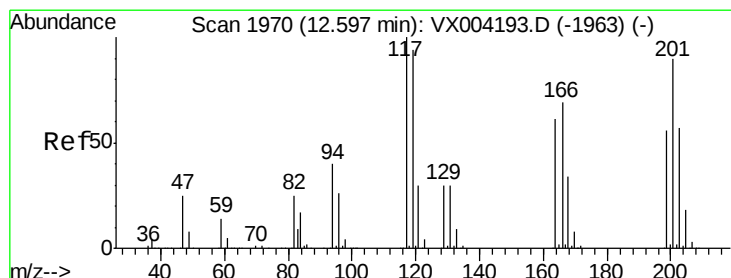
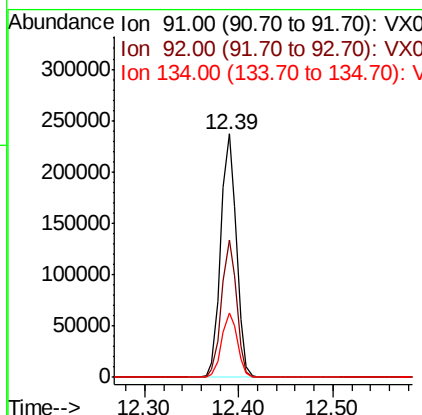
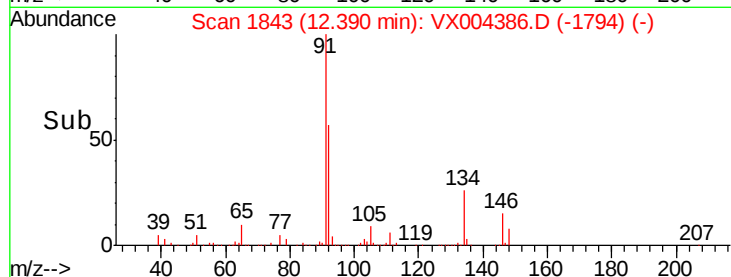
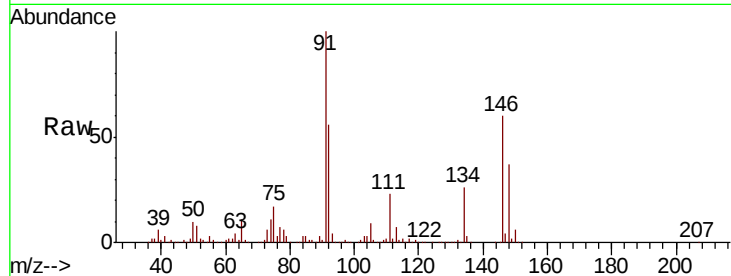
#89
n-Butylbenzene
Concen: 21.56 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Instrument :
MSVOA_X
ClientSampleId :
VX0906WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.3	81.9
134	26.6	13.6	40.7

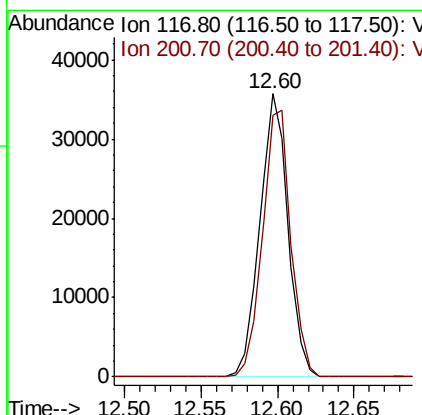
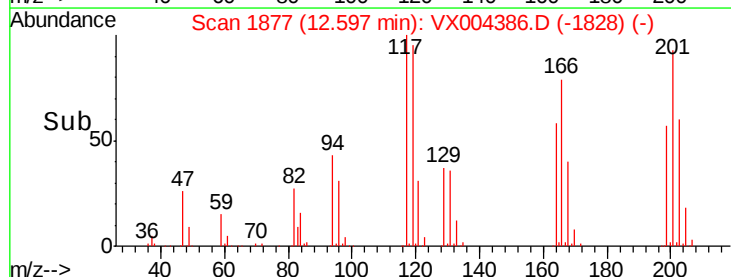
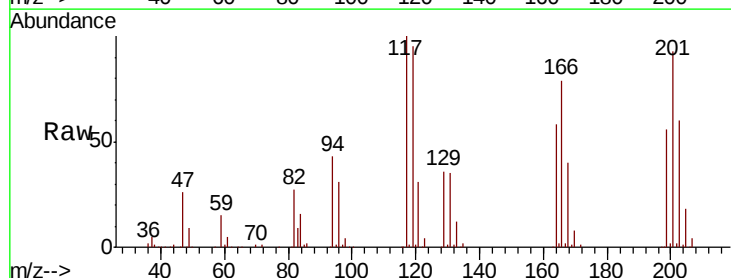
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#90
Hexachloroethane
Concen: 20.83 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004386.D
Acq: 06 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.6	46.9	140.6





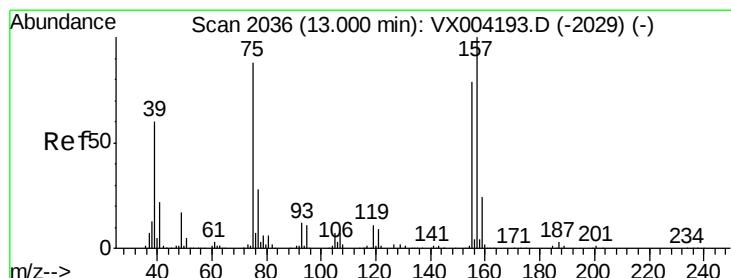
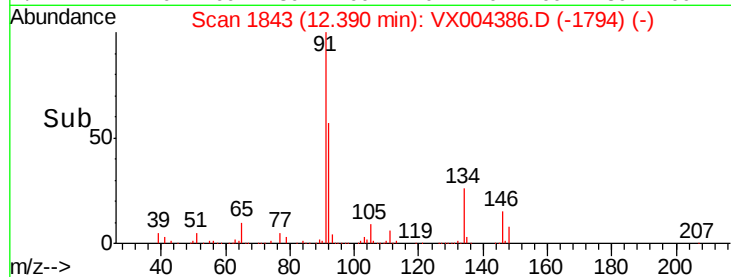
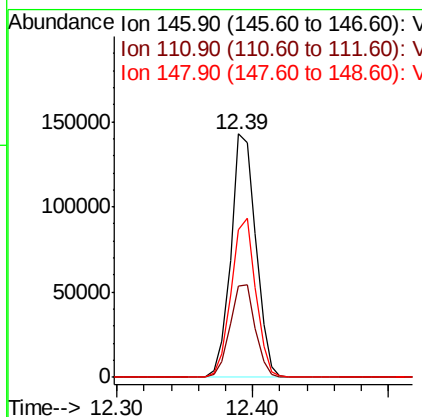
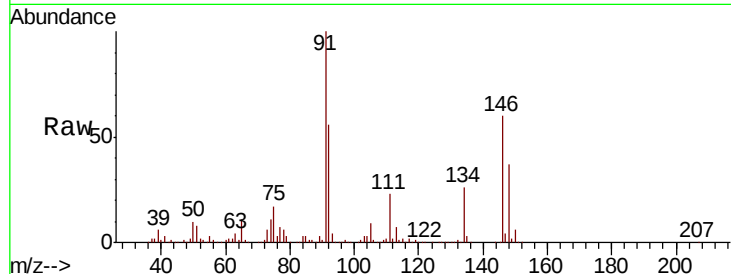
#91
 1,2-Dichlorobenzene
 Concen: 21.36 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX004386.D
 Acq: 06 Sep 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.1
148	64.2	32.8	98.3

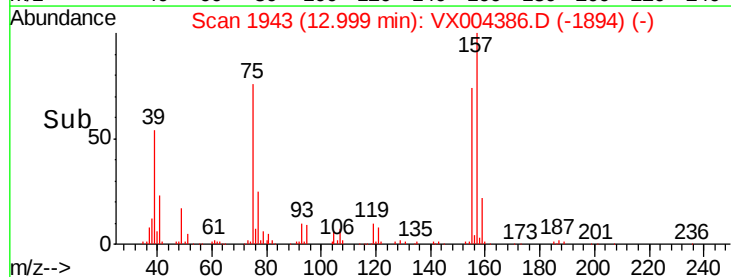
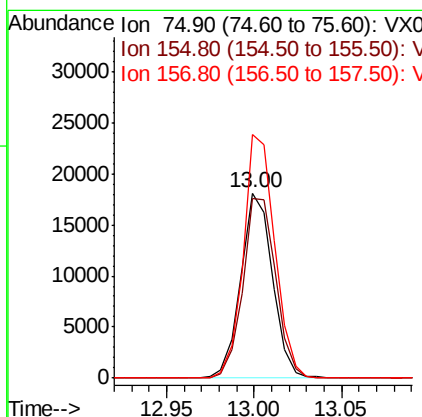
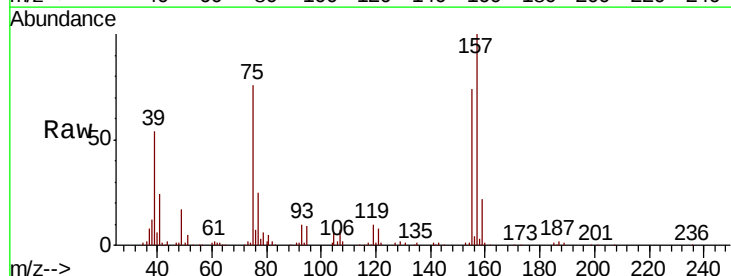
Manual Integrations
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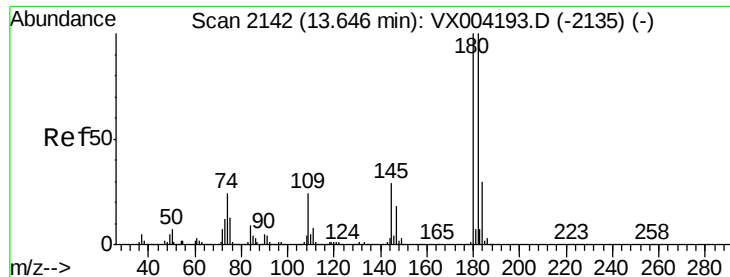
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.95 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004386.D
 Acq: 06 Sep 2018 15:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.3	48.0	144.2
157	129.5	61.4	184.1





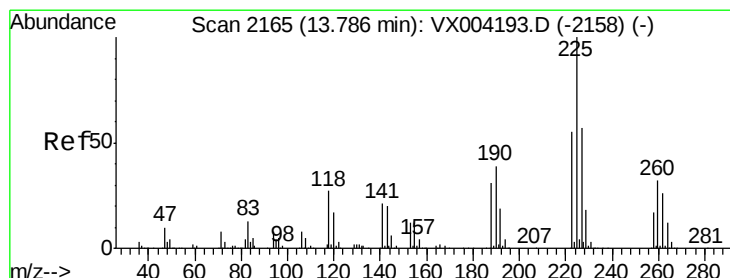
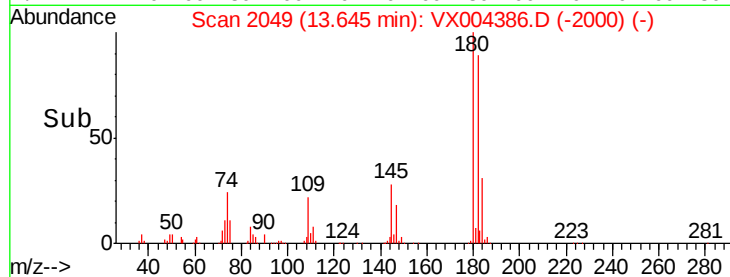
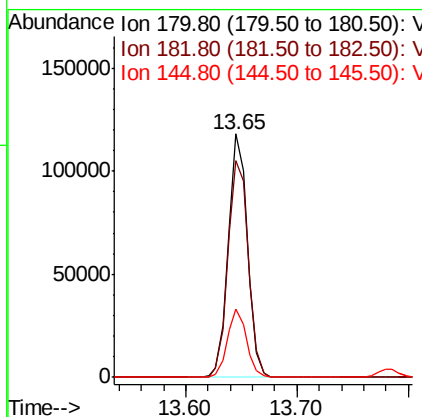
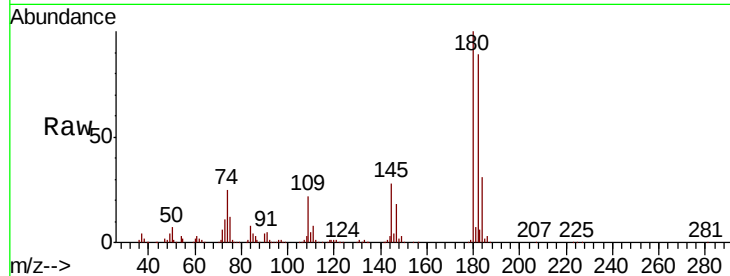
#93
 1,2,4-Trichlorobenzene
 Concen: 22.56 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004386.D
 Acq: 06 Sep 2018 15:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	140282		
182	94.5	48.4	145.0	
145	28.1	14.3	42.9	

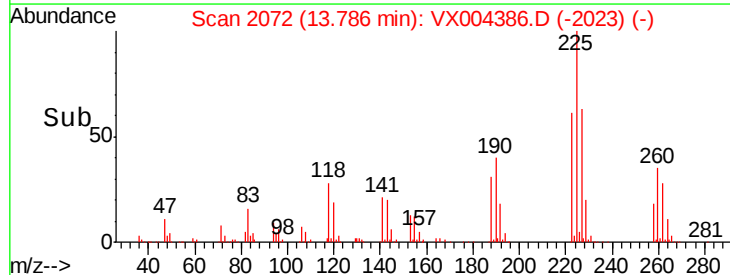
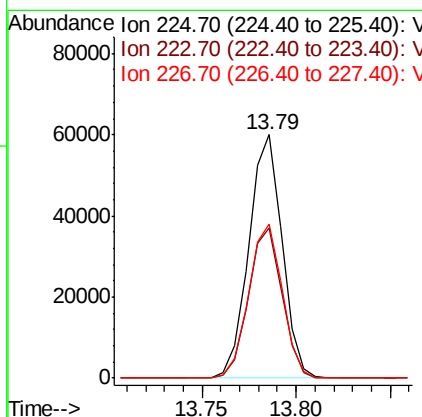
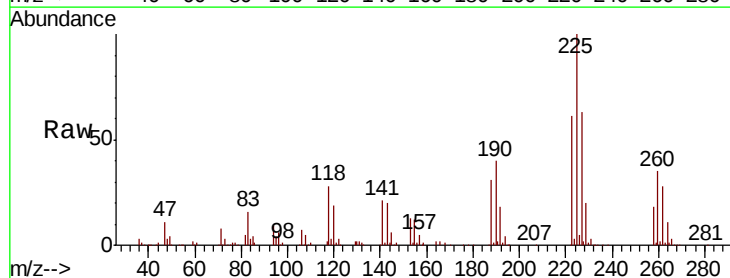
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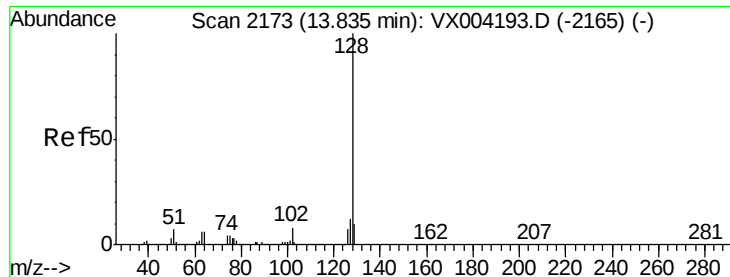
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#94
 Hexachlorobutadiene
 Concen: 25.24 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004386.D
 Acq: 06 Sep 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	73219		
223	62.1	30.1	90.5	
227	64.0	30.8	92.4	





#95

Naphthalene

Concen: 24.30 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

Instrument :

MSVOA_X

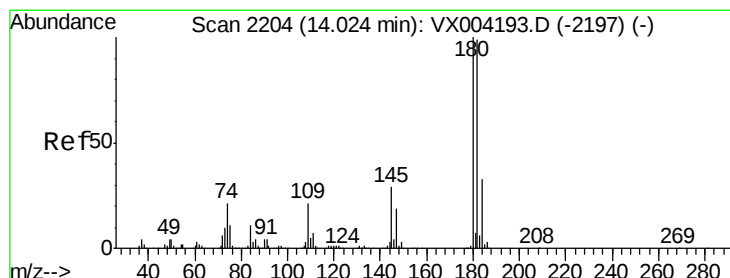
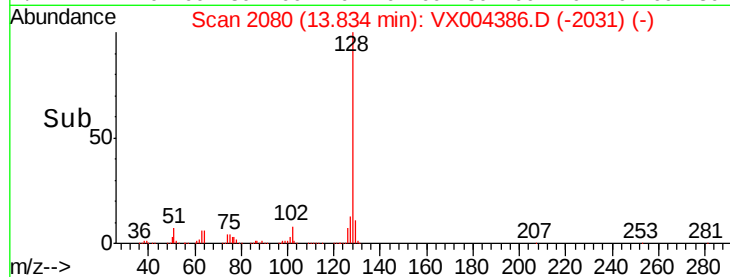
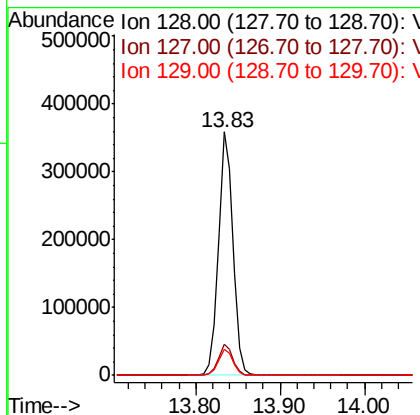
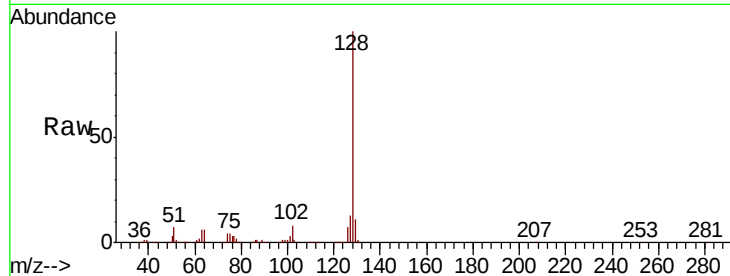
ClientSampleId :

VX0906WBSD01

Tot Ion:	128	Resp:	427378
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/7/2018 1:42:56 PM



#96

1,2,3-Trichlorobenzene

Concen: 22.50 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX004386.D

Acq: 06 Sep 2018 15:45

Tgt Ion:	180	Resp:	148114
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.5	145.6
145	29.8	14.9	44.9

