

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090718\
 Data File : VX004403.D
 Acq On : 07 Sep 2018 12:58
 Operator : JC/MD
 Sample : VX0907WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2018 11:15:26 AM

Quant Time: Sep 08 03:36:35 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	349171	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	500584	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	454930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	294940	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	212776	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
35) Dibromofluoromethane	5.50	113	186629	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
50) Toluene-d8	8.71	98	699036	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
62) 4-Bromofluorobenzene	11.14	95	270916	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	60739	15.02	ug/l	95
3) Chloromethane	1.32	50	73060	16.54	ug/l	100
4) Vinyl Chloride	1.40	62	78487	17.16	ug/l	97
5) Bromomethane	1.64	94	43002	17.76	ug/l	99
6) Chloroethane	1.72	64	56878	16.87	ug/l	100
7) Trichlorofluoromethane	1.93	101	113422	18.09	ug/l	98
8) Diethyl Ether	2.18	74	52842	19.68	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	73191	18.64	ug/l	99
10) Methyl Iodide	2.51	142	63261	17.32	ug/l	98
11) Tert butyl alcohol	3.06	59	96511	99.49	ug/l	100
12) 1,1-Dichloroethene	2.37	96	66252	17.91	ug/l	98
13) Acrolein	2.29	56	17080	73.03	ug/l	97
14) Allyl chloride	2.73	41	131494	19.35	ug/l	98
15) Acrylonitrile	3.14	53	234187	97.48	ug/l	100
16) Acetone	2.44	43	189158	96.87	ug/l	100
17) Carbon Disulfide	2.57	76	161143	16.23	ug/l	99
18) Methyl Acetate	2.78	43	169030	25.03	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	249263	20.45	ug/l	99
20) Methylene Chloride	2.85	84	82884	18.92	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	74135	18.11	ug/l	94
22) Diisopropyl ether	3.87	45	257206	20.27	ug/l	97
23) Vinyl Acetate	3.82	43	967805	94.10	ug/l	99
24) 1,1-Dichloroethane	3.70	63	145046	19.61	ug/l	99
25) 2-Butanone	4.70	43	299262	96.39	ug/l	98
26) 2,2-Dichloropropane	4.58	77	110970	19.13	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	88323	19.02	ug/l	99
28) Bromochloromethane	5.01	49	65540	20.02	ug/l	99
29) Tetrahydrofuran	5.15	42	186583	95.42	ug/l	100
30) Chloroform	5.21	83	144808	19.53	ug/l	100
31) Cyclohexane	5.57	56	114351	17.92	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	116210	18.80	ug/l	100
36) 1,1-Dichloropropene	5.79	75	103196	18.34	ug/l	99
37) Ethyl Acetate	4.85	43	105887	19.13	ug/l	99
38) Carbon Tetrachloride	5.78	117	98085	18.53	ug/l	96

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampleID :
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Manual Integrations
 APPROVED

MMDadoda
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Quant Time: Sep 08 03:36:35 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	117455	18.28	ug/l	99
40) Benzene	6.14	78	325882	19.38	ug/l	100
41) Methacrylonitrile	5.06	41	63895	19.92	ug/l	99
42) 1,2-Dichloroethane	6.20	62	109566	19.10	ug/l	99
43) Isopropyl Acetate	6.46	43	168565	19.82	ug/l	99
44) Trichloroethene	7.21	130	88652	19.05	ug/l	100
45) 1,2-Dichloropropane	7.51	63	85260	20.26	ug/l	99
46) Dibromomethane	7.66	93	54205	19.34	ug/l	100
47) Bromodichloromethane	7.90	83	102344	19.63	ug/l	99
48) Methyl methacrylate	7.77	41	89559	19.68	ug/l	99
49) 1,4-Dioxane	7.75	88	41716	403.75	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	577191	93.41	ug/l	100
52) Toluene	8.78	92	208483	19.81	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	114672	19.91	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	128300	20.45	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	86631	20.39	ug/l	97
56) Ethyl methacrylate	9.18	69	118092	20.42	ug/l	97
57) 1,3-Dichloropropane	9.37	76	145939	20.38	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	305176	102.96	ug/l	99
59) 2-Hexanone	9.49	43	438650	93.05	ug/l	100
60) Dibromochloromethane	9.59	129	81925	19.79	ug/l	99
61) 1,2-Dibromoethane	9.67	107	86612	19.70	ug/l	99
64) Tetrachloroethene	9.34	164	95970	21.35	ug/l	99
65) Chlorobenzene	10.14	112	231258	20.25	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	79104	20.09	ug/l	99
67) Ethyl Benzene	10.26	91	369529	19.93	ug/l	96
68) m/p-Xylenes	10.36	106	299552	41.31	ug/l	96
69) o-Xylene	10.70	106	140616	20.50	ug/l	96
70) Styrene	10.71	104	237315	21.37	ug/l	99
71) Bromoform	10.86	173	60963	19.20	ug/l #	100
73) Isopropylbenzene	11.02	105	394815	20.38	ug/l	100
74) N-amyl acetate	10.90	43	139655	18.72	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	126523	18.66	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	118651m	19.78	ug/l	
77) Bromobenzene	11.26	156	106387	19.58	ug/l	98
78) n-propylbenzene	11.36	91	454805	20.41	ug/l	100
79) 2-Chlorotoluene	11.42	91	276444	20.16	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	329114	20.52	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	33897	18.33	ug/l	97
82) 4-Chlorotoluene	11.51	91	320093	19.84	ug/l	100
83) tert-Butylbenzene	11.77	119	324856	20.13	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	339260	20.60	ug/l	99
85) sec-Butylbenzene	11.94	105	397701	20.75	ug/l	100
86) p-Isopropyltoluene	12.07	119	364508	21.23	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	200252	19.57	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	204917	19.00	ug/l	99
89) n-Butylbenzene	12.39	91	308187	22.07	ug/l	99
90) Hexachloroethane	12.60	117	48595	20.25	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	200853	21.48	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23521	19.70	ug/l	98

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS01

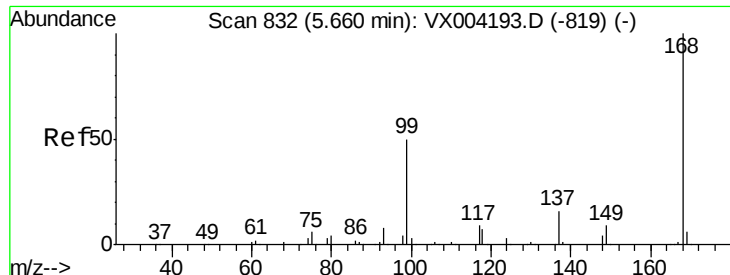
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	139374	20.49	ug/l	98
94) Hexachlorobutadiene	13.79	225	69668	21.93	ug/l	96
95) Naphthalene	13.83	128	411924	21.41	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	149555	20.77	ug/l	99

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



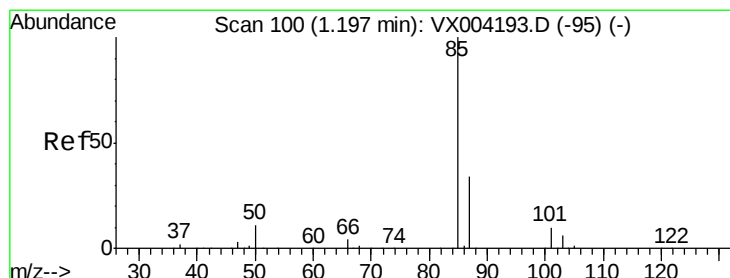
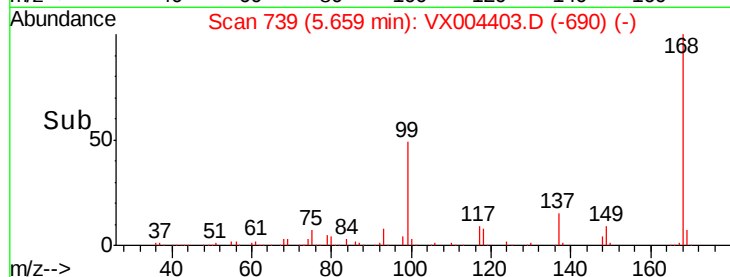
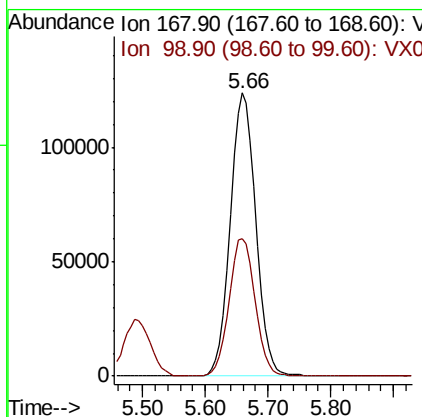
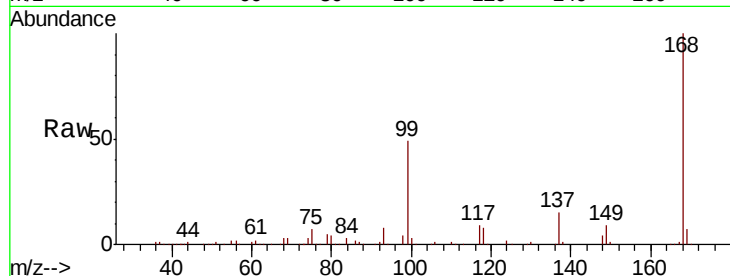
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.00 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	48.7	39.9	59.9

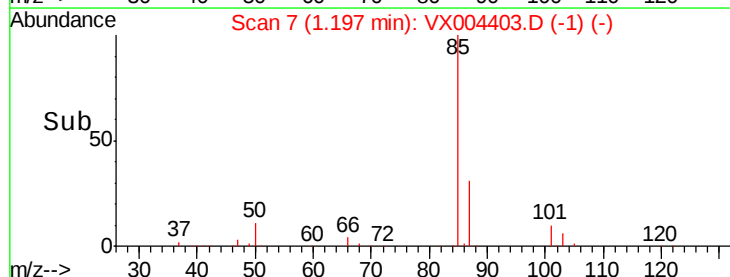
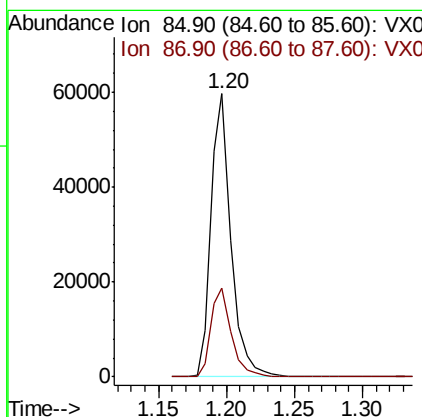
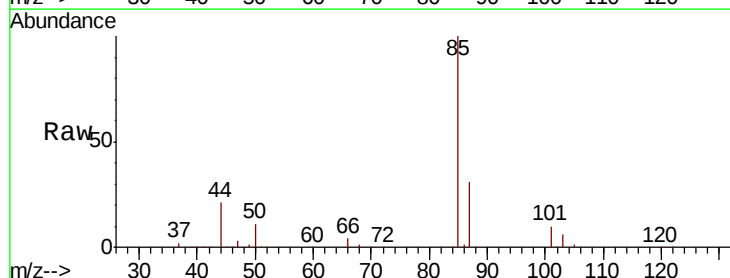
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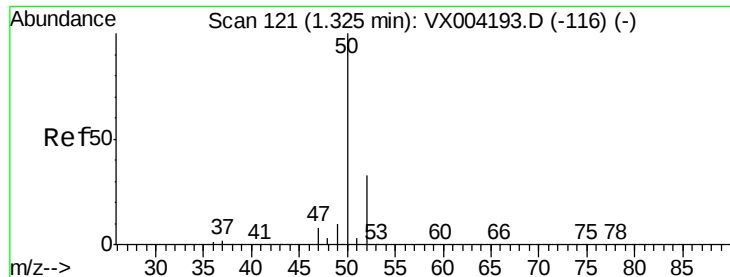
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#2
Dichlorodifluoromethane
Concen: 15.02 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.2	17.0	50.9





#3

Chloromethane

Concen: 16.54 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004403.D

Acq: 07 Sep 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS01

Tot Ion: 50 Resp: 73060

Ion Ratio Lower Upper

50 100

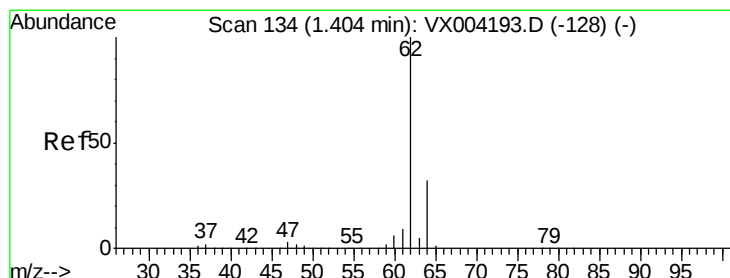
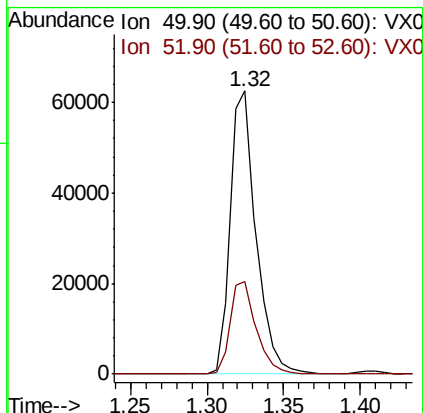
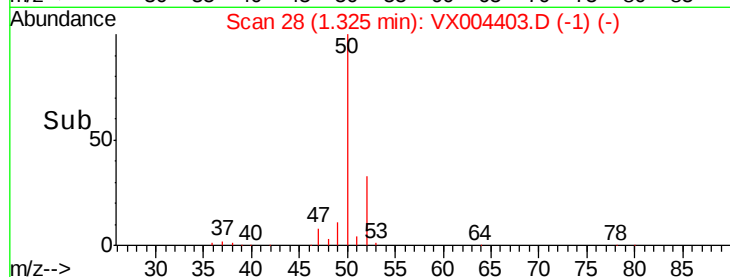
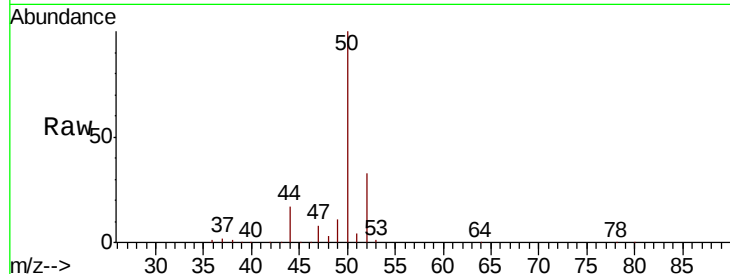
52 32.8 26.2 39.2

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#4

Vinyl Chloride

Concen: 17.16 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004403.D

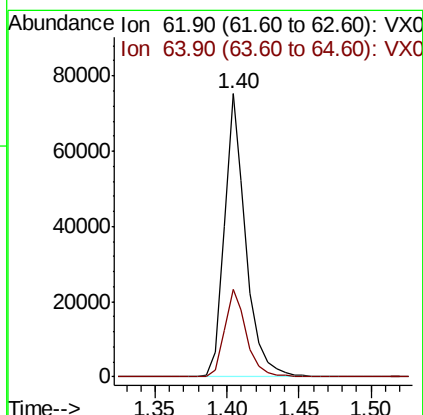
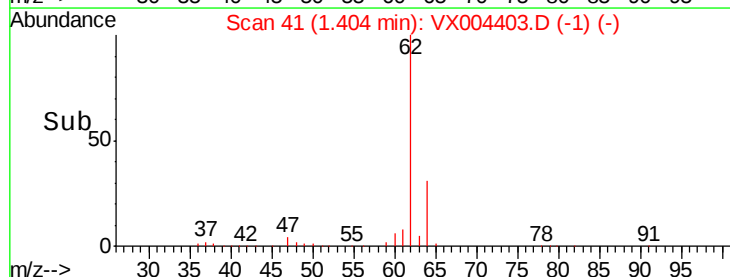
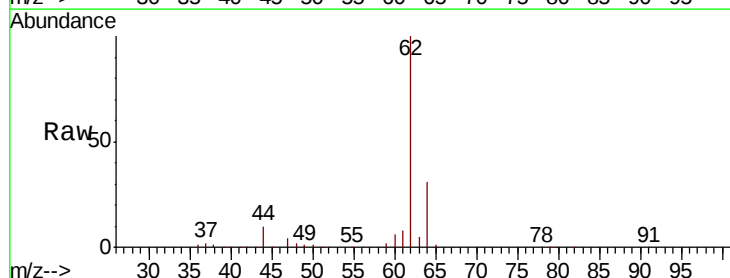
Acq: 07 Sep 2018 12:58

Tgt Ion: 62 Resp: 78487

Ion Ratio Lower Upper

62 100

64 30.9 25.8 38.8





#5

Bromomethane

Concen: 17.76 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004403.D

Acq: 07 Sep 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS01

Tot Ion: 94 Resp: 43002

Ion Ratio Lower Upper

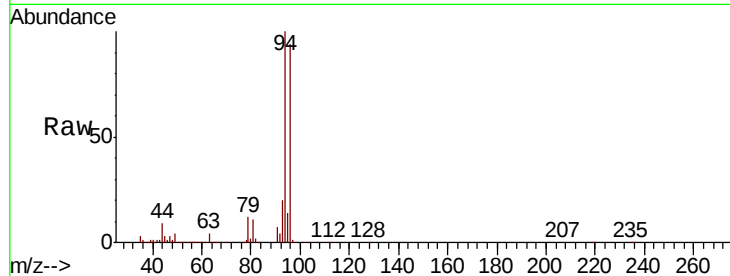
94 100

96 94.2 74.5 111.7

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

30000

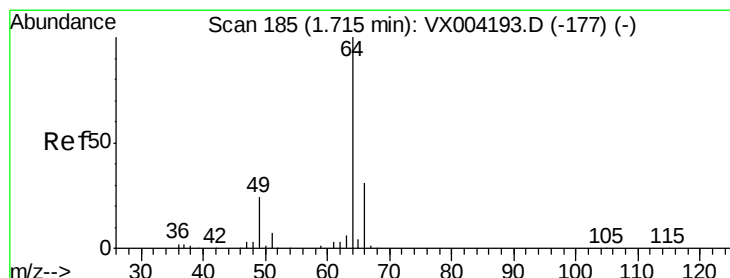
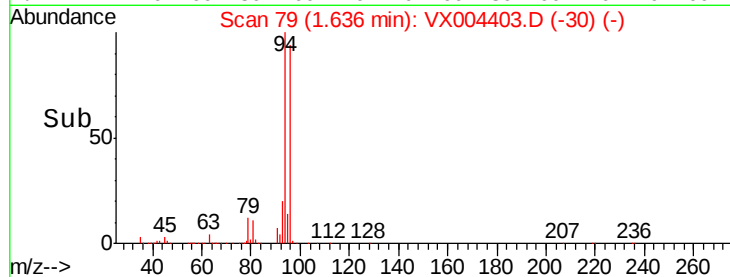
20000

10000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 16.87 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004403.D

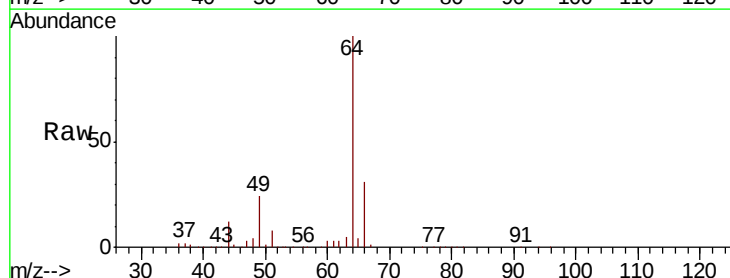
Acq: 07 Sep 2018 12:58

Tgt Ion: 64 Resp: 56878

Ion Ratio Lower Upper

64 100

66 30.8 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

40000

30000

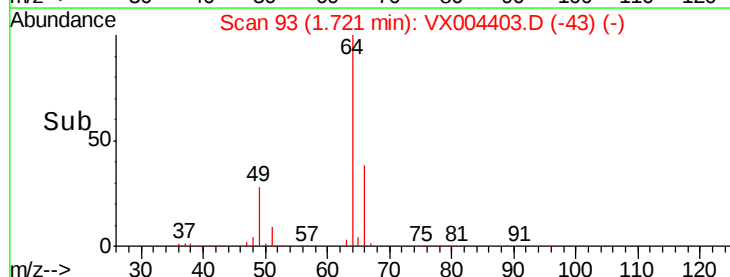
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Time-->

1.60 1.70 1.80





#7

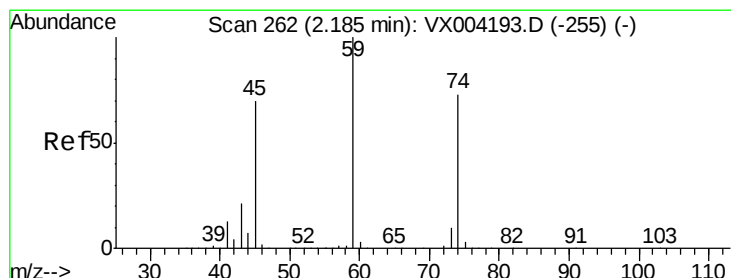
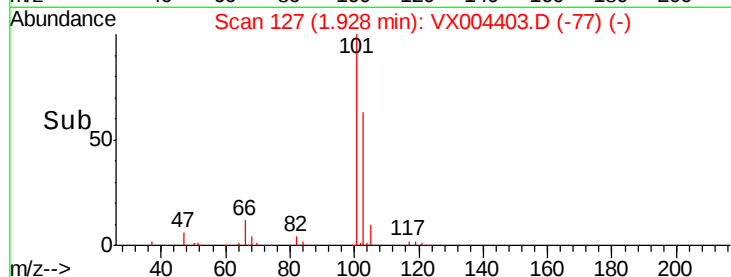
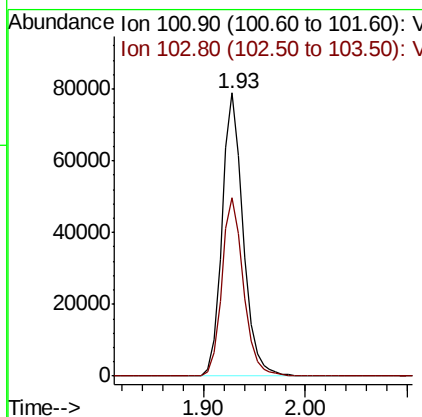
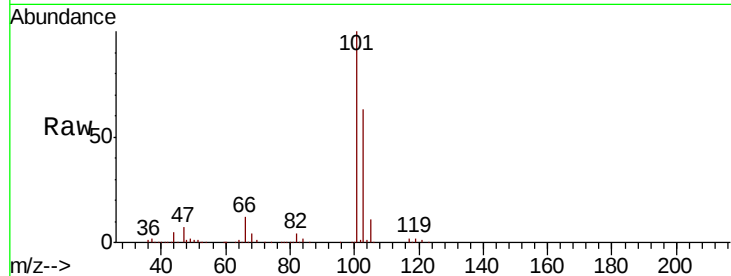
Trichlorofluoromethane
 Concen: 18.09 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX004403.D
 Acq: 07 Sep 2018 12:58

Instrument :
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 ClientSampleId :
 VX0907WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	48.9	73.3

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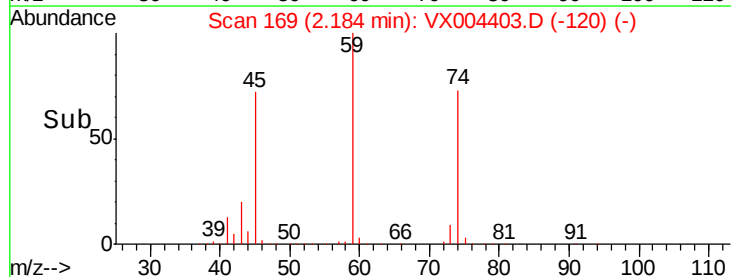
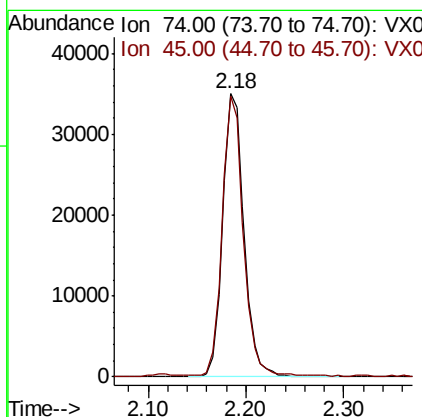
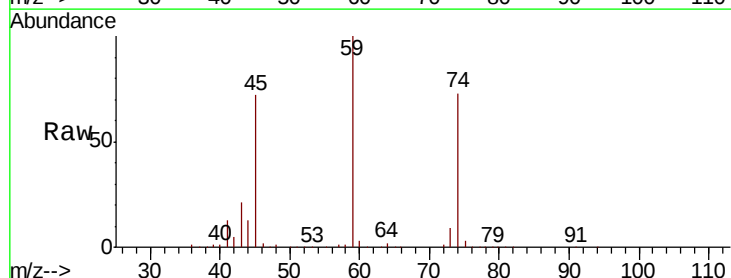
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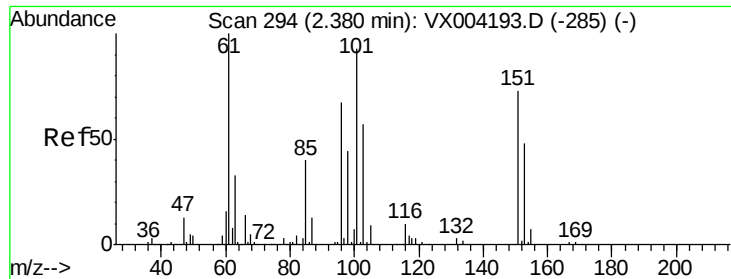


#8

Diethyl Ether
 Concen: 19.68 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX004403.D
 Acq: 07 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.2	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.64 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004403.D

Acq: 07 Sep 2018 12:58

Instrument :

MSVOA_X

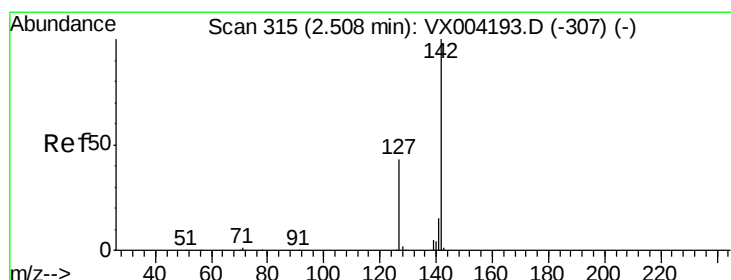
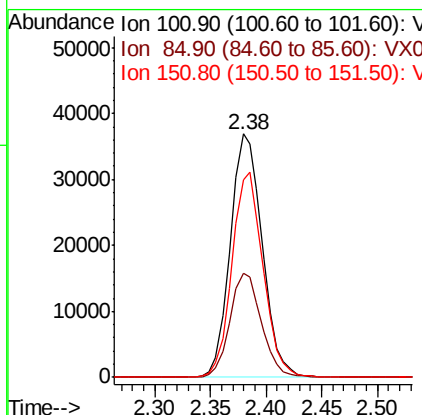
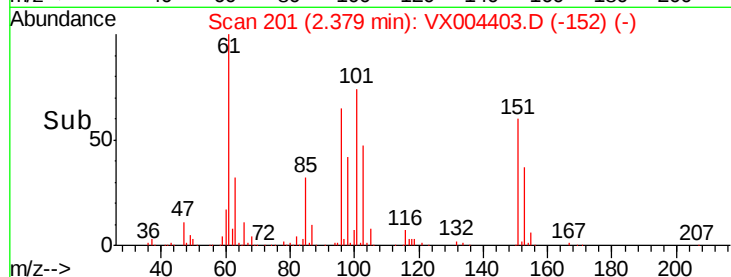
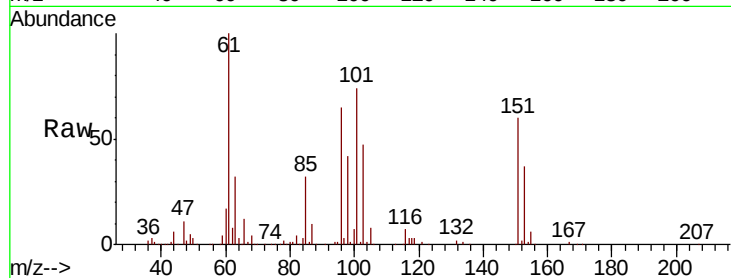
ClientSampleId :

VX0907WBS01

Tot Ion:	101	Resp:	73191
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.2	51.4
151	82.4	65.0	97.6

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#10

Methyl Iodide

Concen: 17.32 ug/l

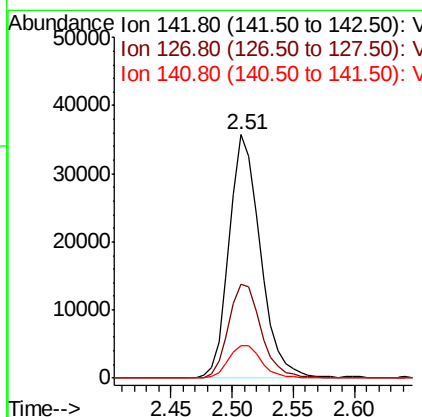
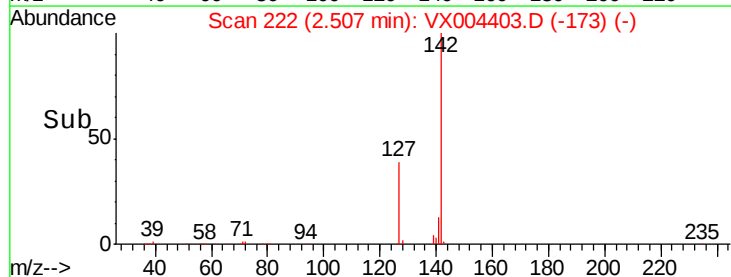
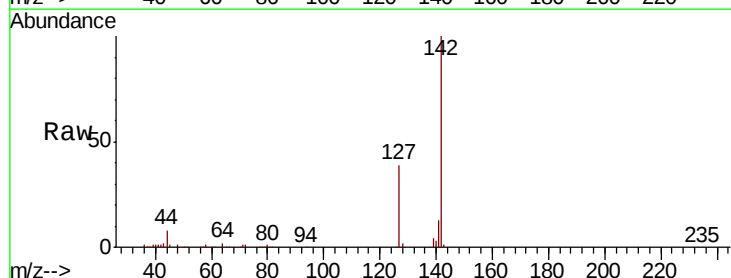
RT: 2.51 min Scan# 222

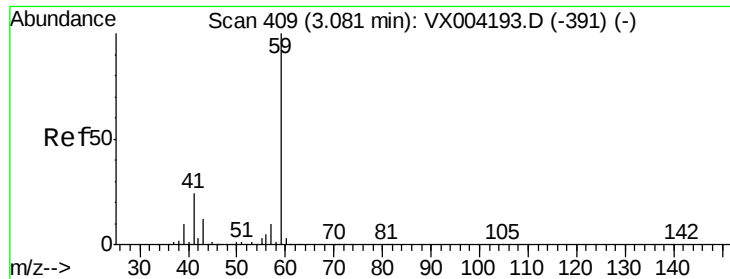
Delta R.T. 0.00 min

Lab File: VX004403.D

Acq: 07 Sep 2018 12:58

Tgt Ion:	142	Resp:	63261
Ion Ratio	Lower	Upper	
142	100		
127	40.5	33.8	50.6
141	14.2	11.4	17.0





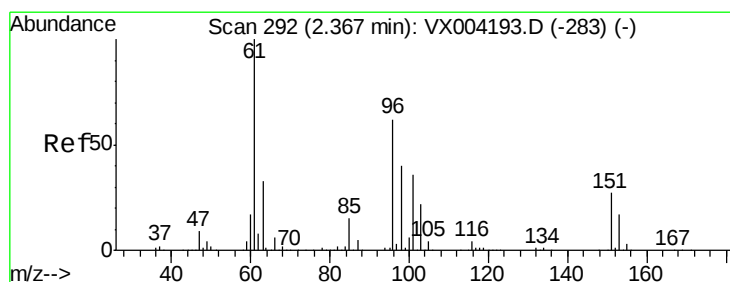
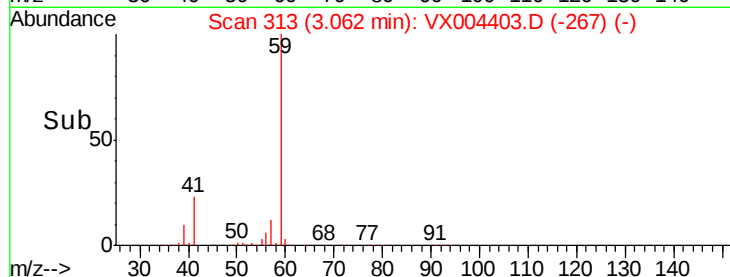
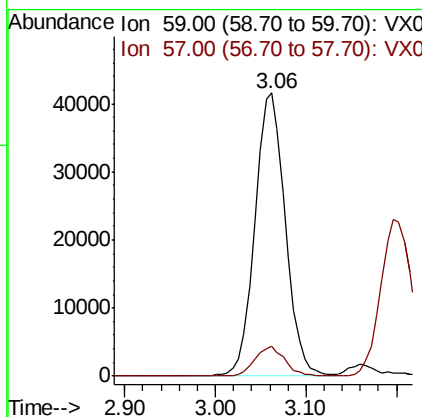
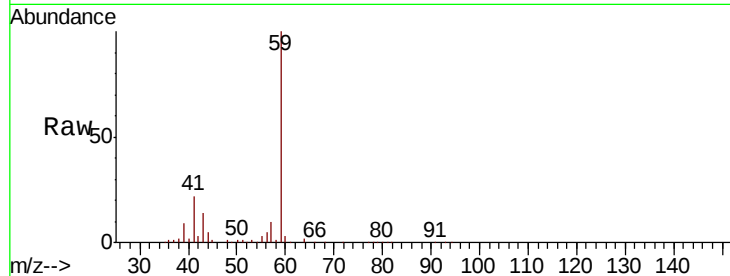
#11
Tert butyl alcohol
Concen: 99.49 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

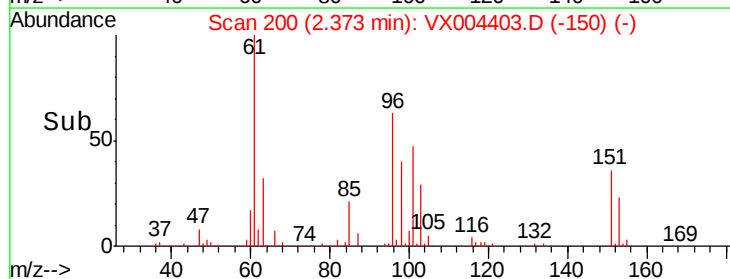
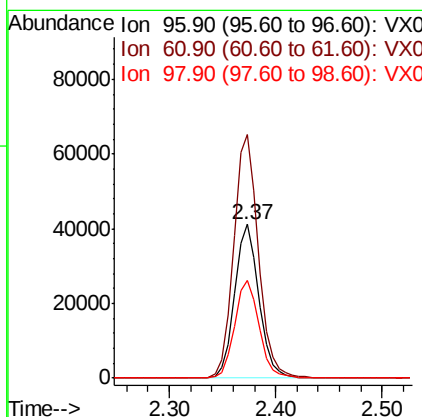
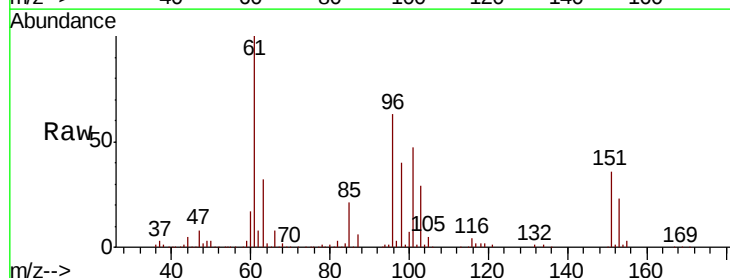
Manual Integrations
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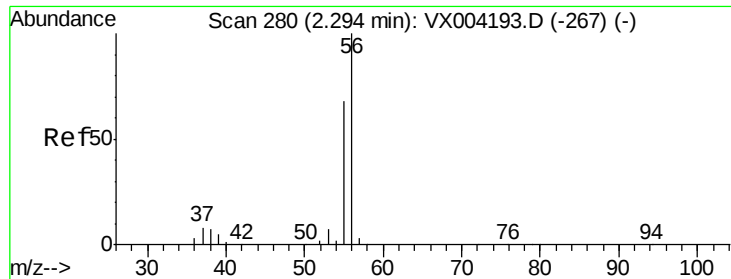
MMDadoda
9/10/2018 11:15:26 AM



#12
1,1-Dichloroethene
Concen: 17.91 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.3	128.8	193.2
98	63.7	52.2	78.2





#13

Acrolein

Concen: 73.03 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004403.D

Acq: 07 Sep 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS01

Tot Ion: 56 Resp: 17080

Ion Ratio Lower Upper

56 100

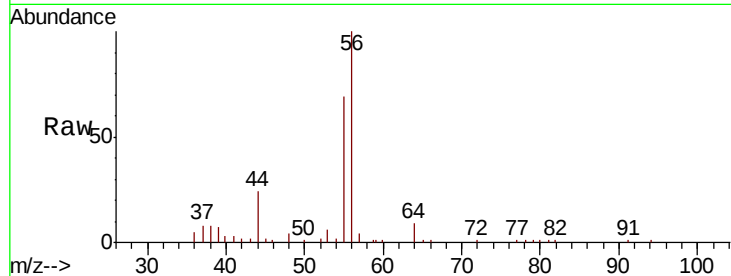
55 71.2 54.7 82.1

Manual Integrations

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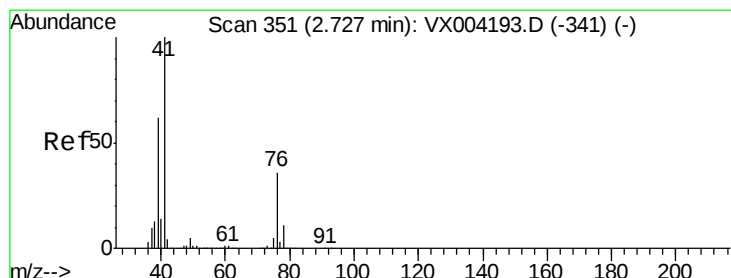
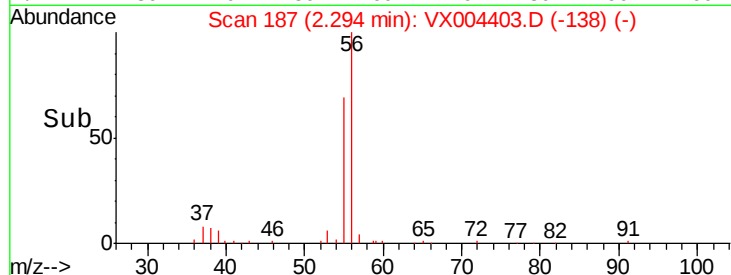
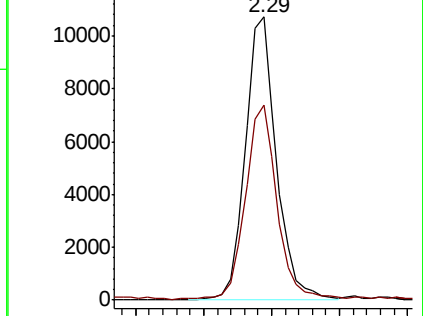
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.35 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX004403.D

Acq: 07 Sep 2018 12:58

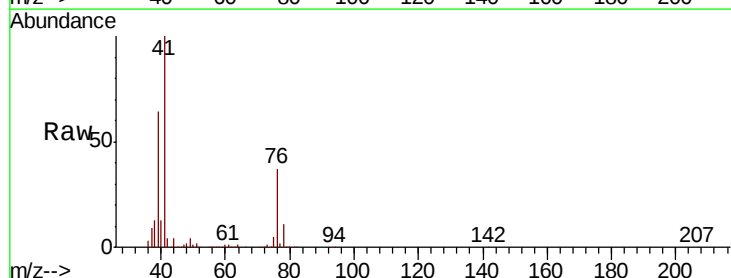
Tgt Ion: 41 Resp: 131494

Ion Ratio Lower Upper

41 100

39 59.0 48.9 73.3

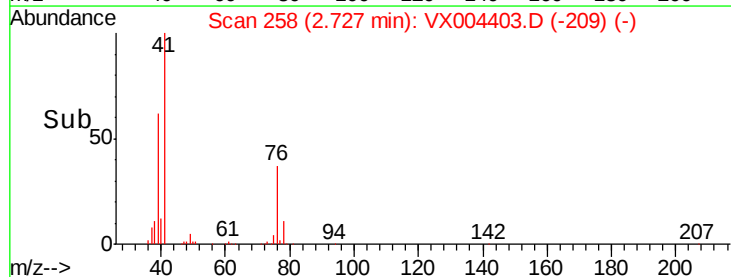
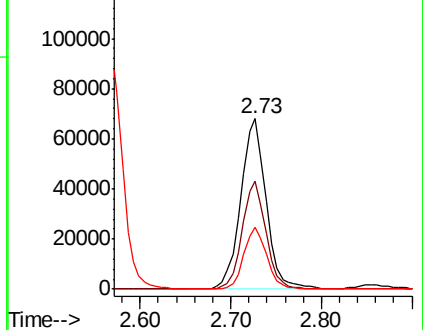
76 33.0 26.7 40.1



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: 97.48 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX004403.D

Acq: 07 Sep 2018 12:58

Instrument :

MSVOA_X

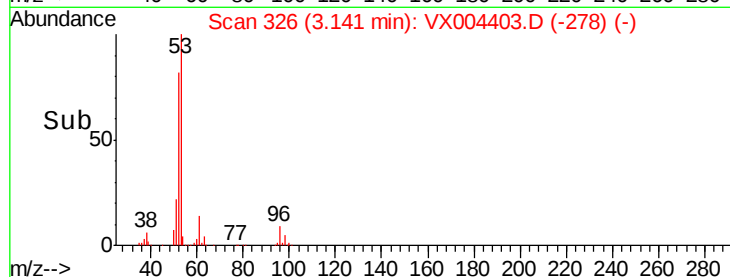
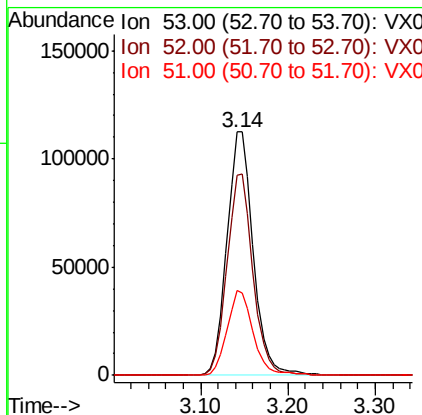
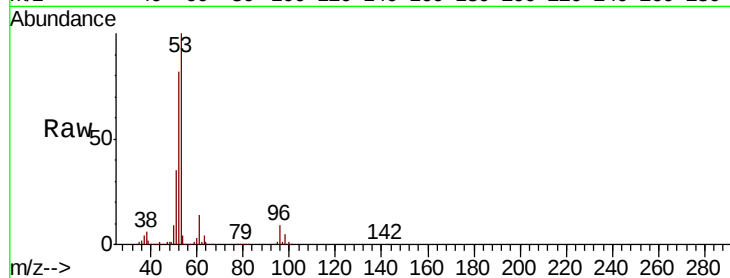
ClientSampleId :

VX0907WBS01

Tot Ion:	53	Resp:	234187
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.2	97.8
51	34.6	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 96.87 ug/l

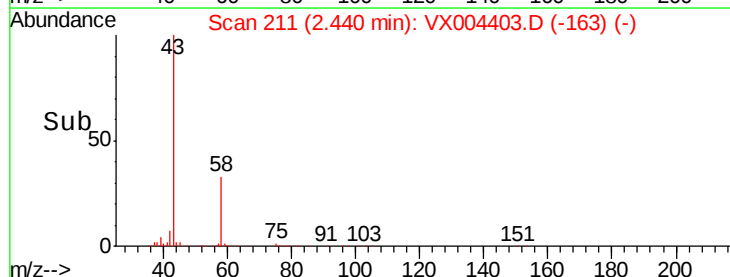
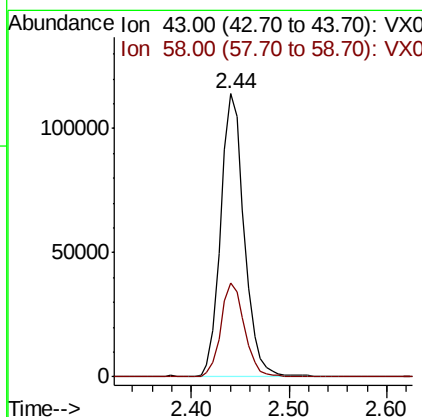
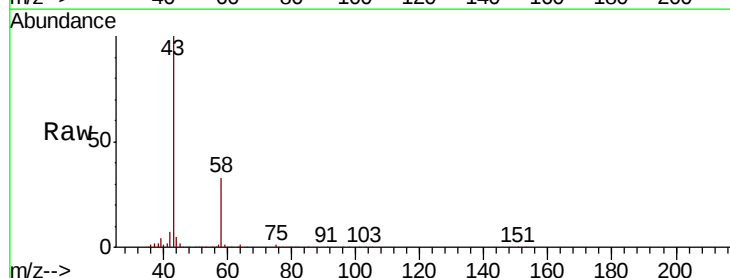
RT: 2.44 min Scan# 211

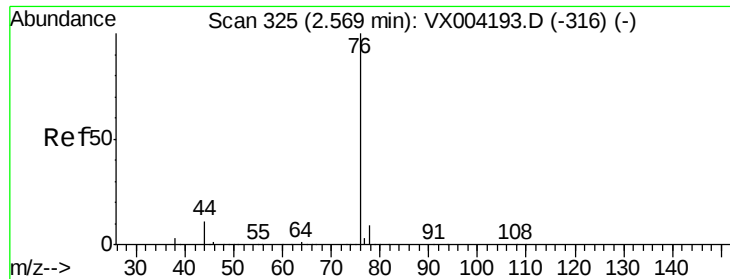
Delta R.T. -0.01 min

Lab File: VX004403.D

Acq: 07 Sep 2018 12:58

Tgt Ion:	43	Resp:	189158
Ion Ratio	Lower	Upper	
43	100		
58	33.1	26.2	39.4





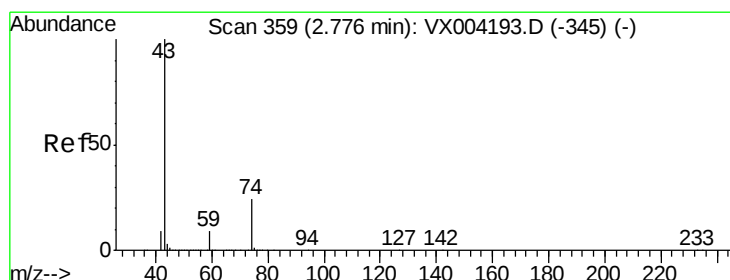
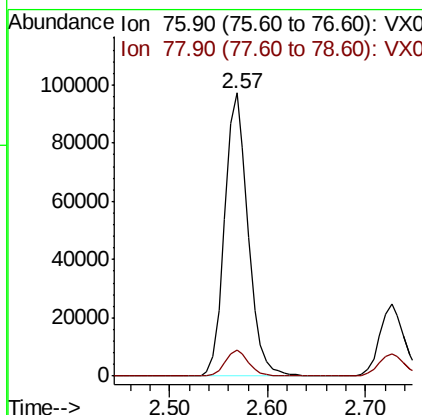
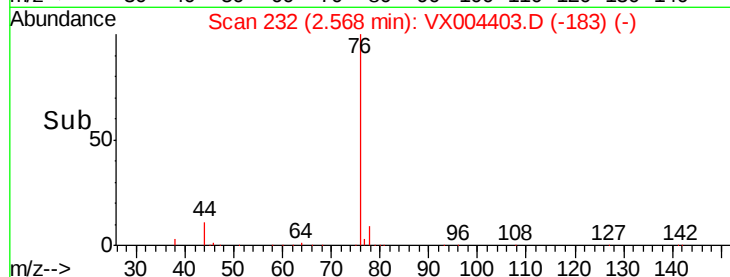
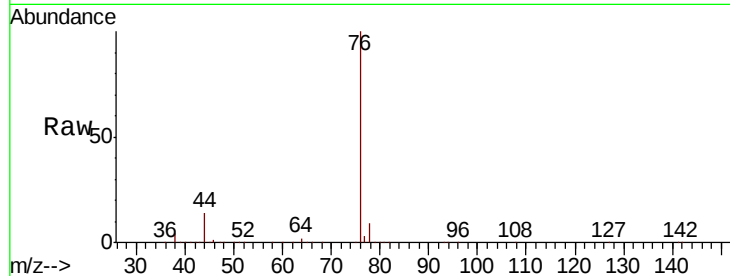
#17
Carbon Disulfide
Concen: 16.23 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

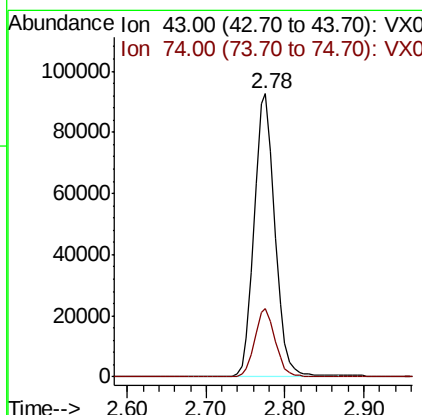
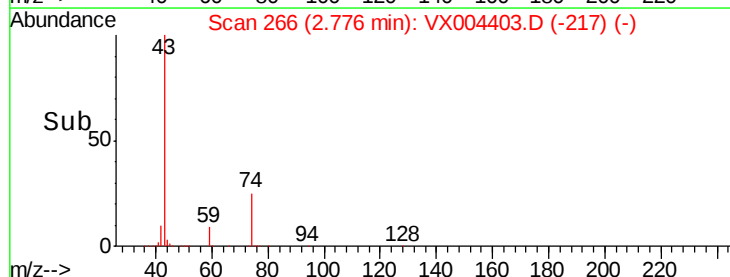
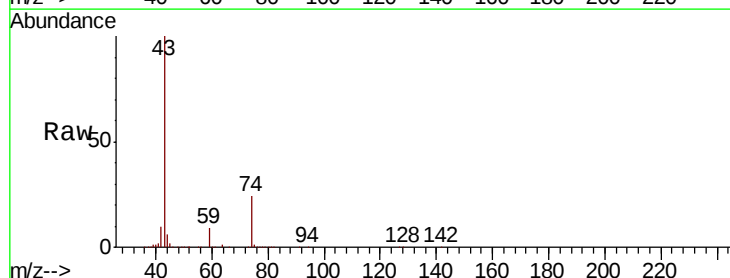
Manual Integrations
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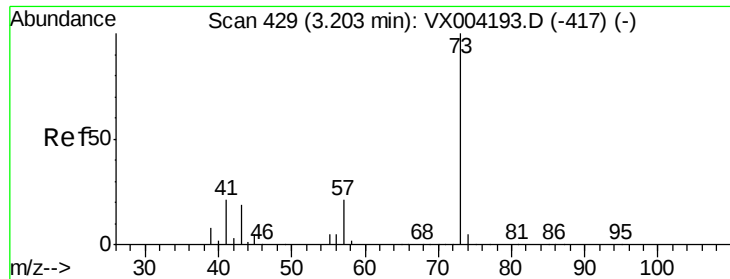
MMDadoda
9/10/2018 11:15:26 AM



#18
Methyl Acetate
Concen: 25.03 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.4	29.2





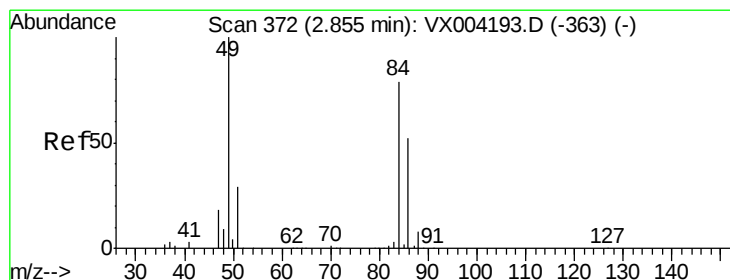
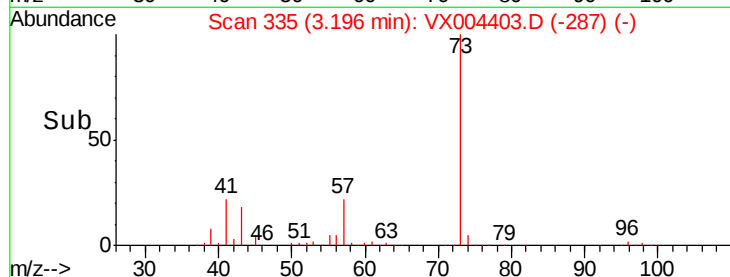
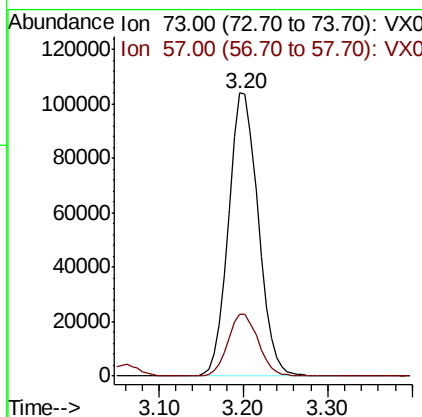
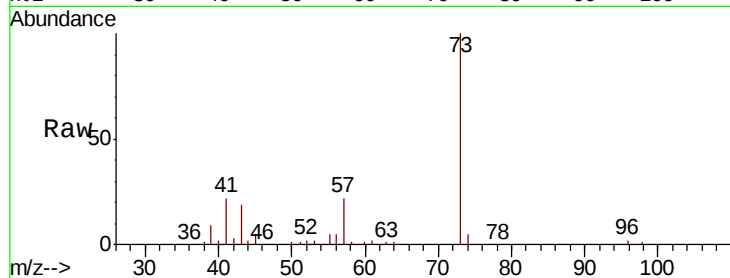
#19
Methyl tert-butyl Ether
Concen: 20.45 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.01 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS01

Tot Ion: 73 Resp: 249263
Ion Ratio Lower Upper
73 100
57 22.1 17.1 25.7

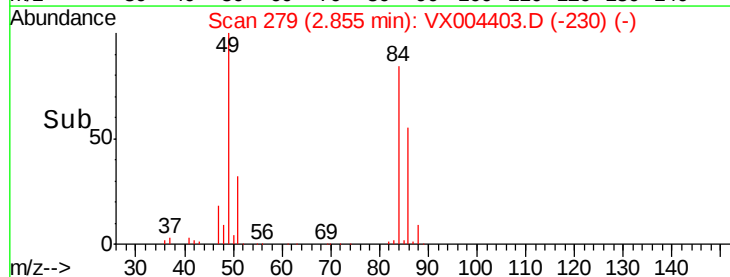
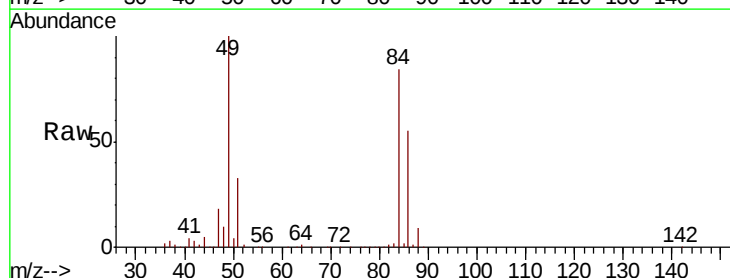
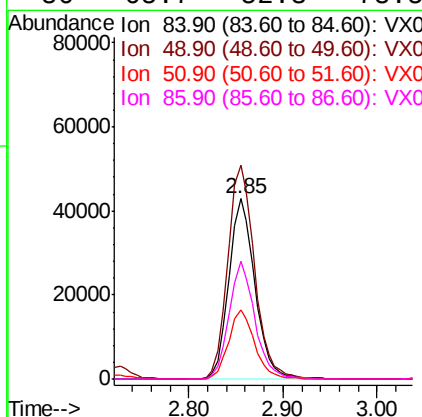
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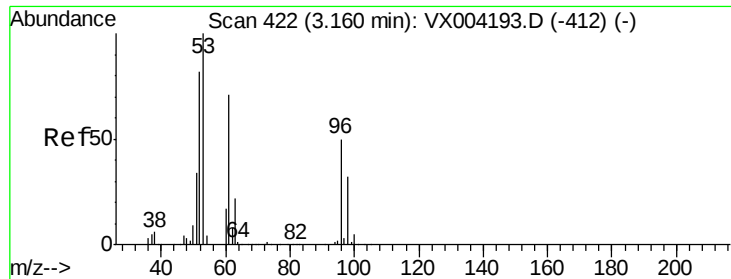
MMDadoda
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#20
Methylene Chloride
Concen: 18.92 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Tgt Ion: 84 Resp: 82884
Ion Ratio Lower Upper
84 100
49 118.7 101.2 151.8
51 38.5 29.5 44.3
86 65.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.11 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004403.D

Acq: 07 Sep 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS01

Tot Ion: 96 Resp: 74135

Ion Ratio Lower Upper

96 100

61 134.3 113.8 170.6

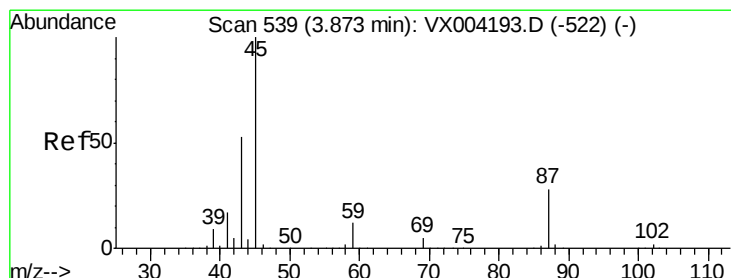
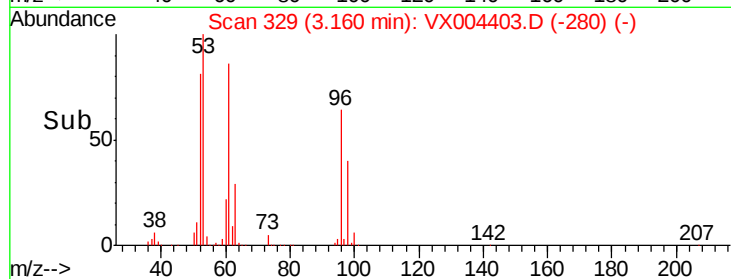
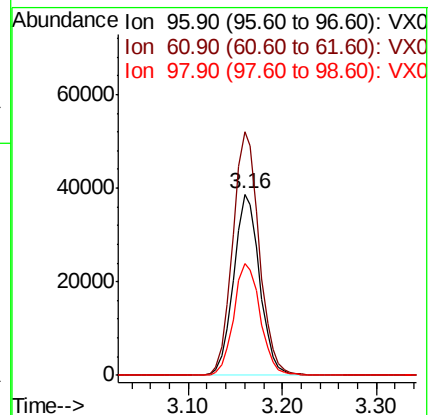
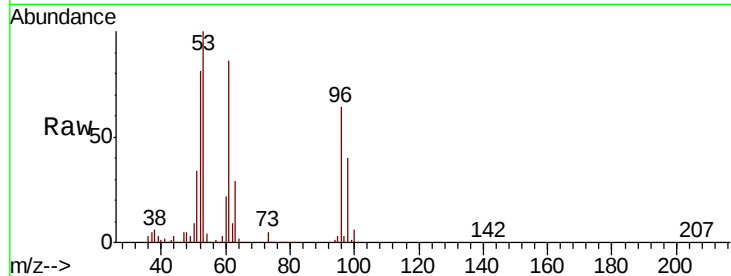
98 61.8 51.8 77.8

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#22

Diisopropyl ether

Concen: 20.27 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX004403.D

Acq: 07 Sep 2018 12:58

Tgt Ion: 45 Resp: 257206

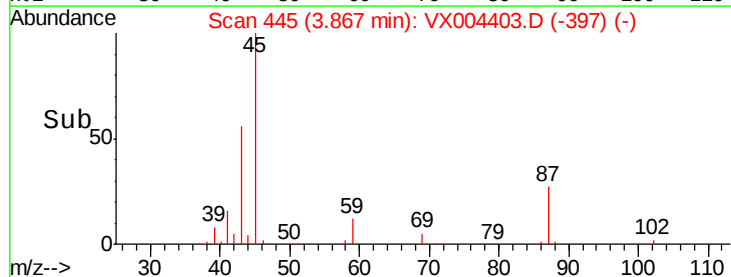
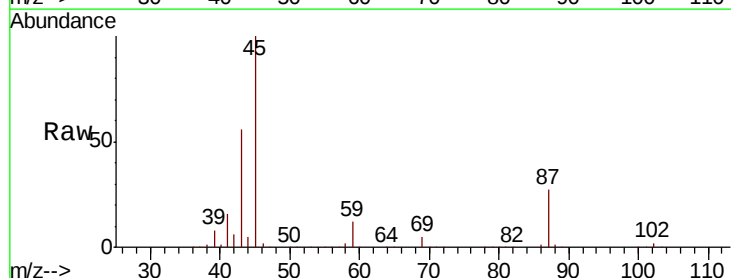
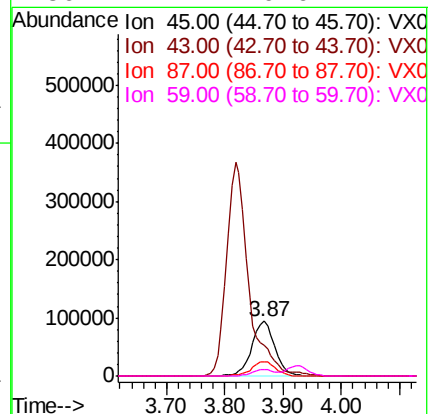
Ion Ratio Lower Upper

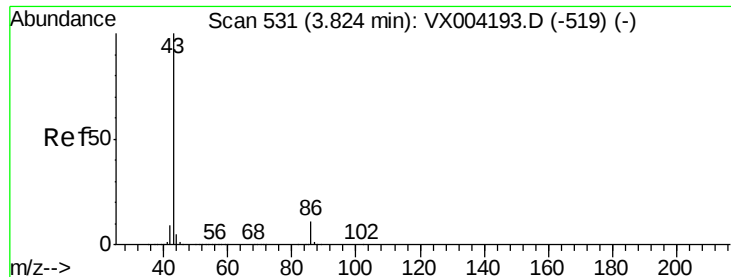
45 100

43 56.4 42.8 64.2

87 27.0 22.6 34.0

59 11.7 9.6 14.4





#23

Vinyl Acetate

Concen: 94.10 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX004403.D

Acq: 07 Sep 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS01

Tot Ion: 43 Resp: 967805

Ion Ratio Lower Upper

43 100

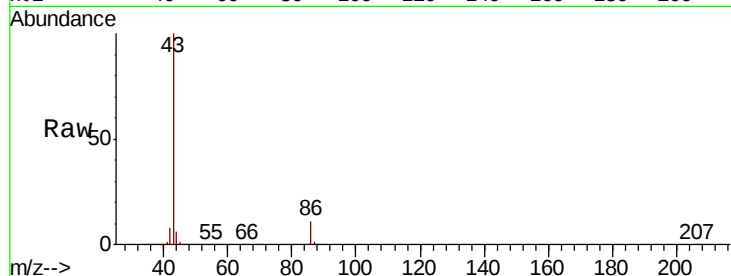
86 10.9 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

400000

300000

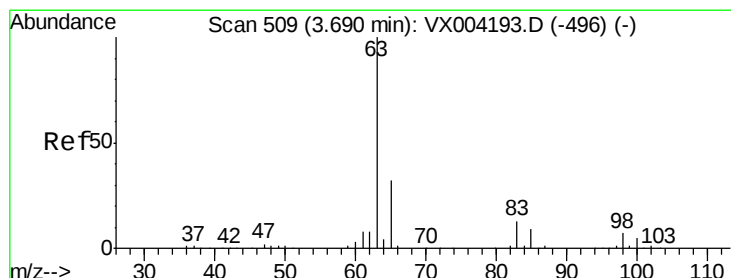
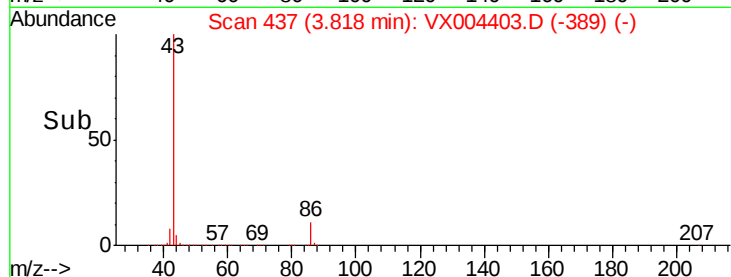
200000

100000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 19.61 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004403.D

Acq: 07 Sep 2018 12:58

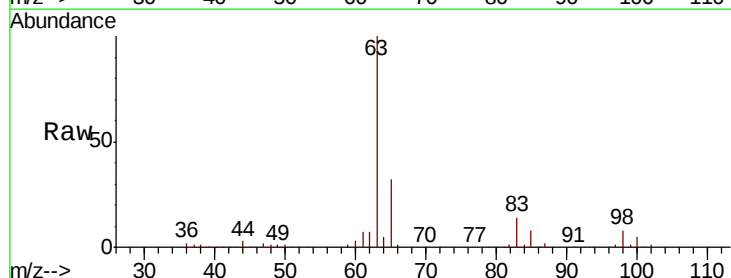
Tgt Ion: 63 Resp: 145046

Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.4

100 4.8 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

80000

60000

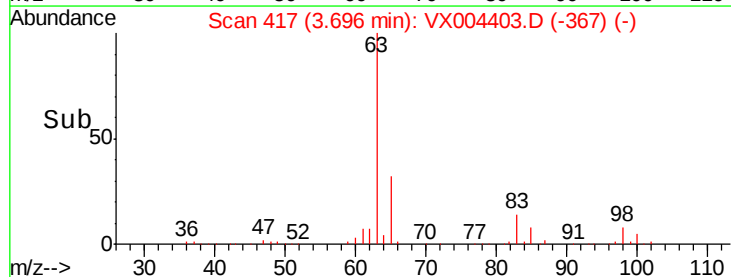
40000

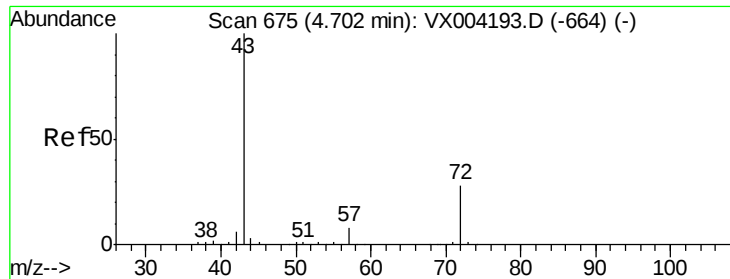
20000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 96.39 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004403.D

Acq: 07 Sep 2018 12:58

Tot Ion: 43 Resp: 299262

Ion Ratio Lower Upper

43 100

72 26.6 22.0 33.0

Instrument :

MSVOA_X

ClientSampleId :

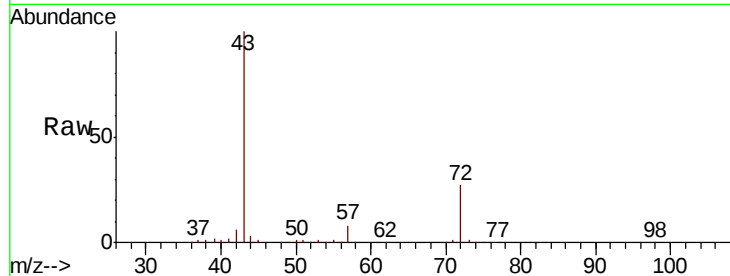
VX0907WBS01

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

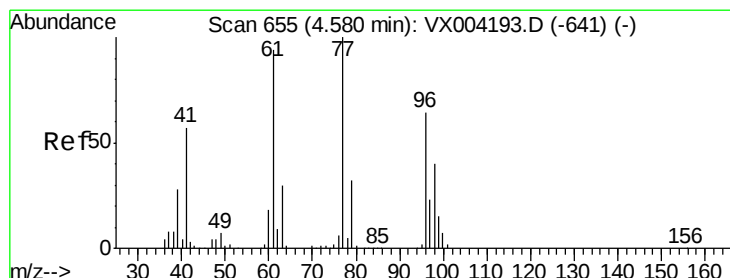
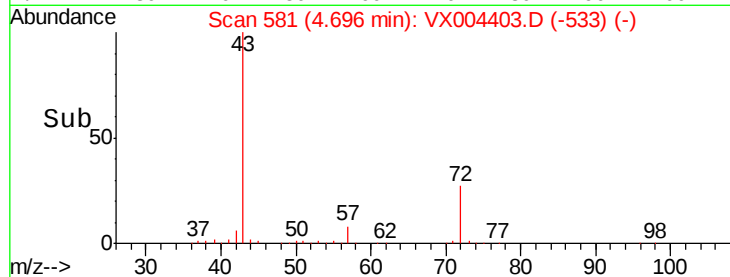
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 19.13 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004403.D

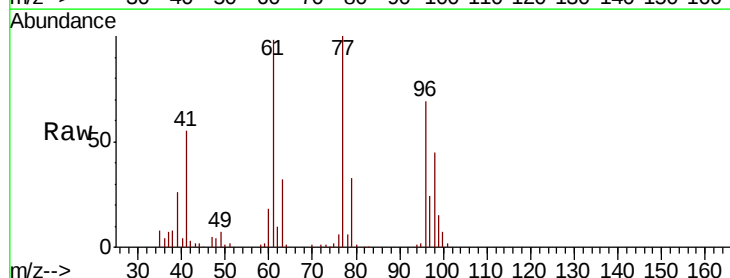
Acq: 07 Sep 2018 12:58

Tgt Ion: 77 Resp: 110970

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

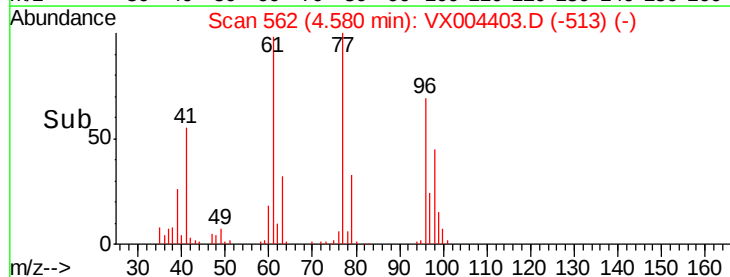
20000

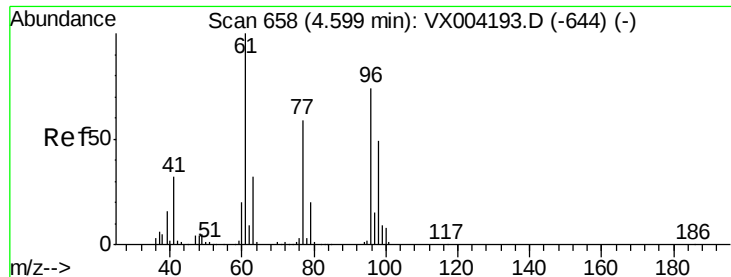
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

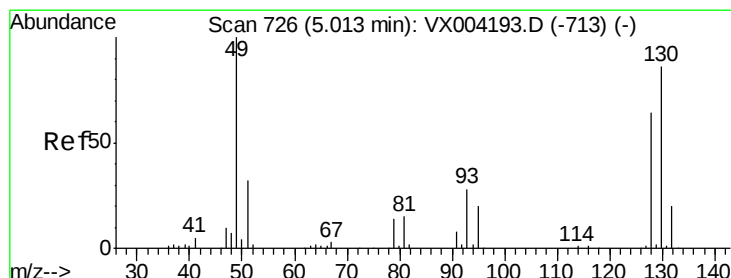
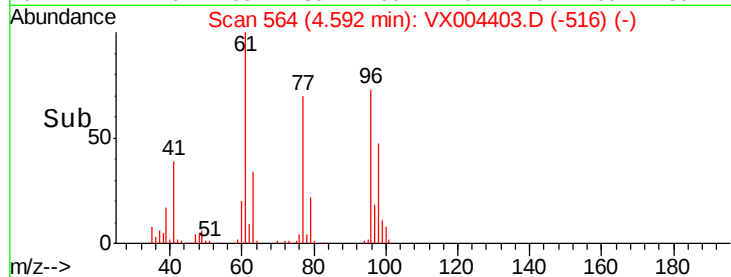
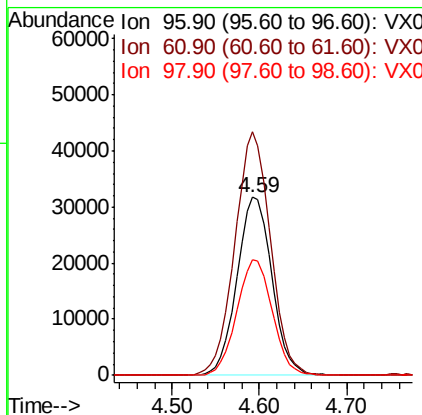
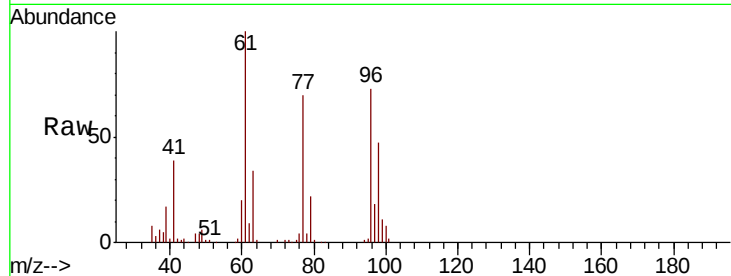
cis-1,2-Dichloroethene
 Concen: 19.02 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX004403.D
 Acq: 07 Sep 2018 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	88323		
61	139.2	0.0	282.6	
98	65.6	0.0	130.2	

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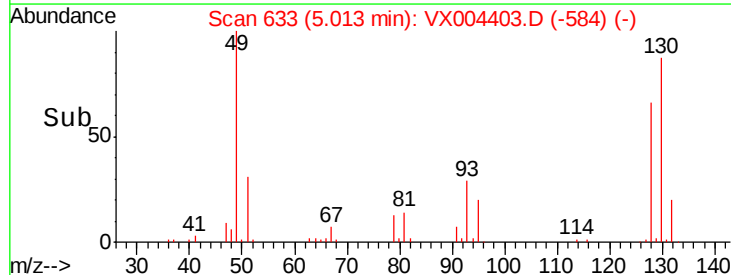
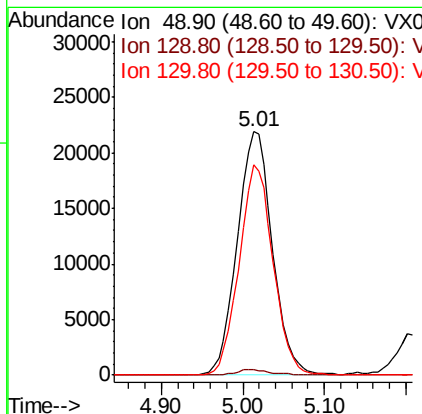
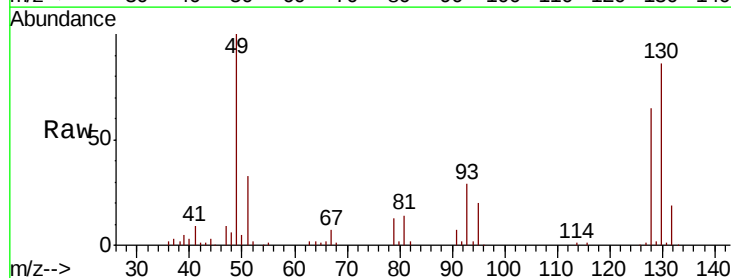
MMDadoda
 9/10/2018 11:15:26 AM

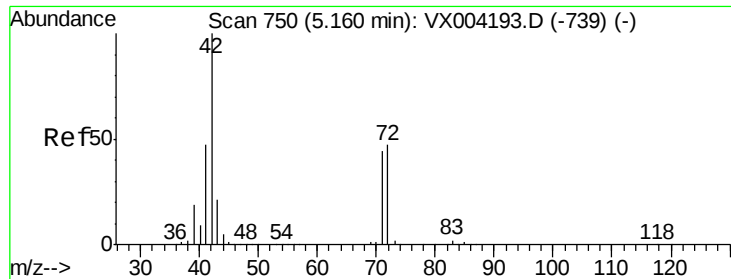


#28

Bromochloromethane
 Concen: 20.02 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VX004403.D
 Acq: 07 Sep 2018 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	65540		
129	2.1	0.0	4.2	
130	83.4	67.5	101.3	





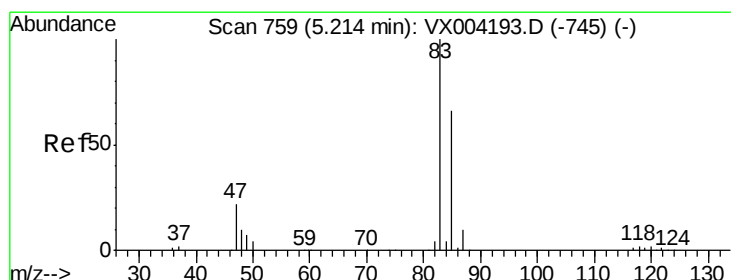
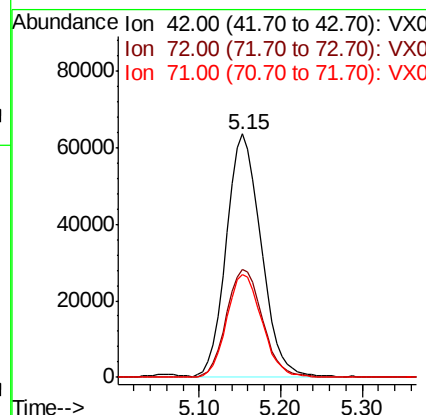
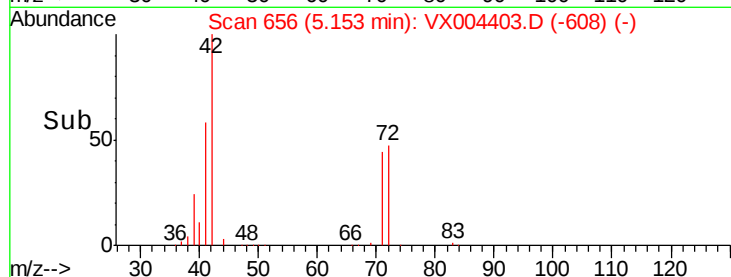
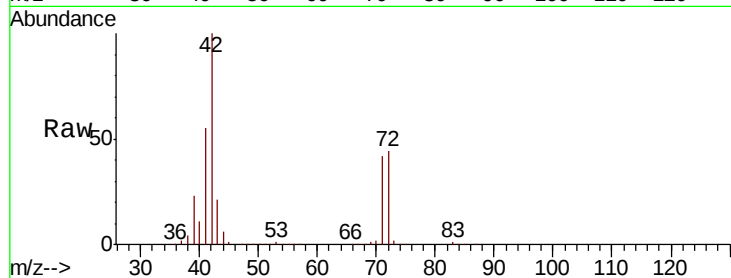
#29
Tetrahydrofuran
Concen: 95.42 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	37.4	56.0
71	43.1	34.5	51.7

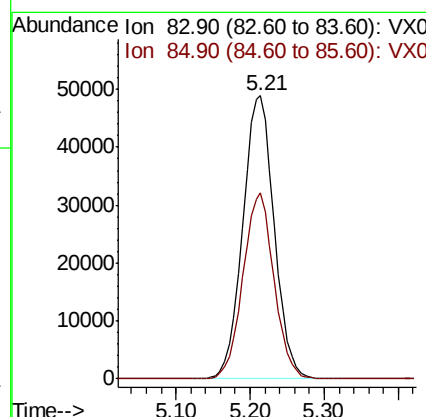
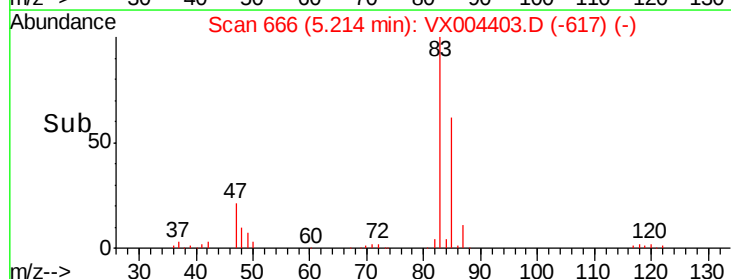
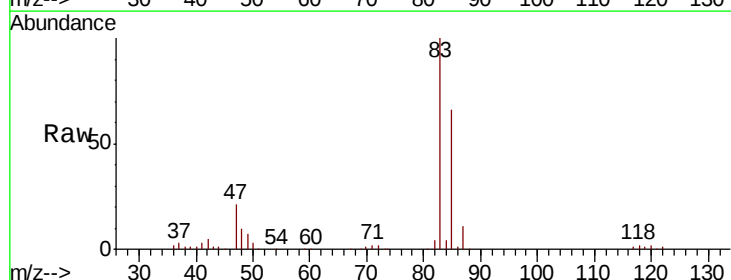
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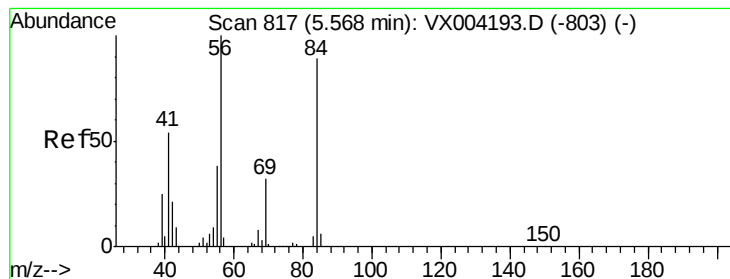
MMDadoda
9/10/2018 11:15:26 AM



#30
Chloroform
Concen: 19.53 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.6	79.0





#31

Cyclohexane

Concen: 17.92 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.01 min

Lab File: VX004403.D

Acq: 07 Sep 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS01

Tot Ion: 56 Resp: 114351

Ion Ratio Lower Upper

56 100

69 32.1 25.4 38.2

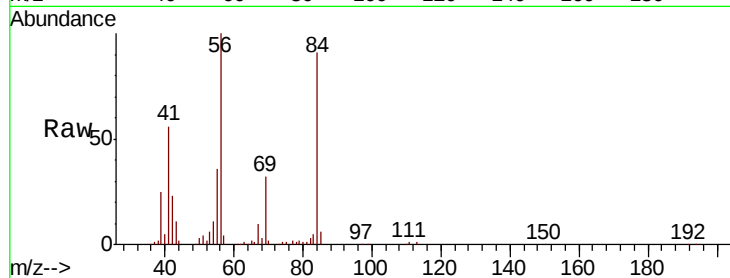
84 88.9 71.4 107.2

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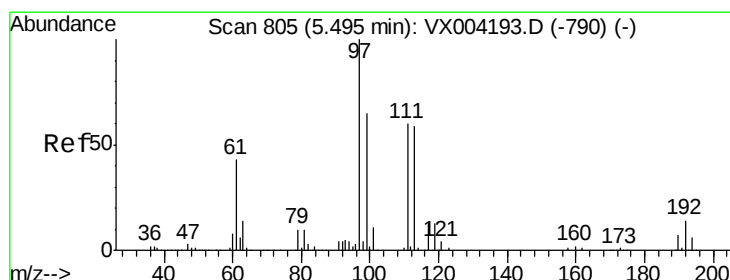
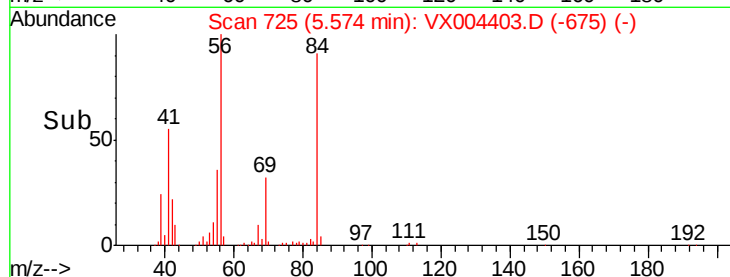
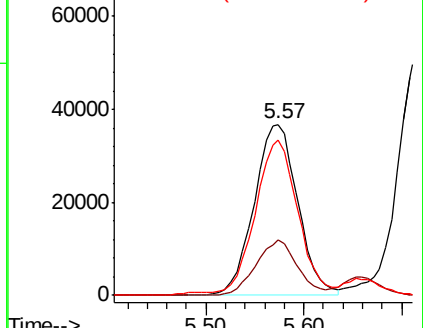
9/10/2018 11:15:26 AM



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: 18.80 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX004403.D

Acq: 07 Sep 2018 12:58

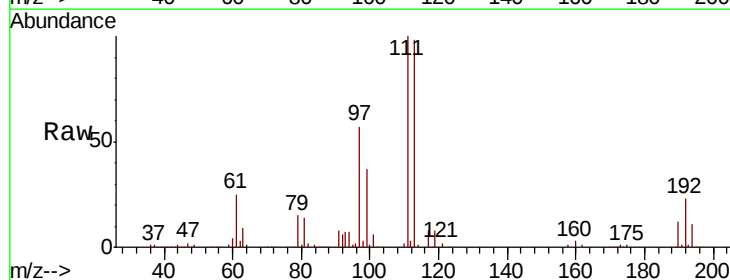
Tgt Ion: 97 Resp: 116210

Ion Ratio Lower Upper

97 100

99 64.6 52.0 78.0

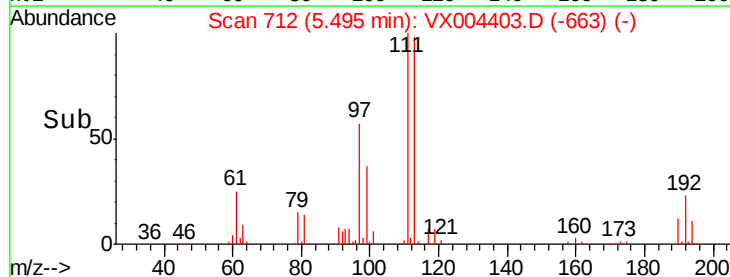
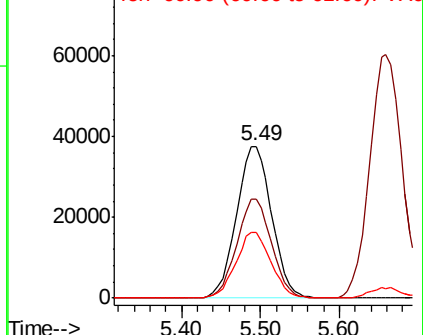
61 43.4 34.9 52.3

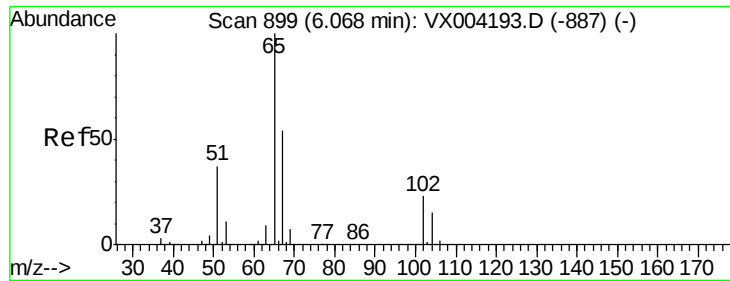


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





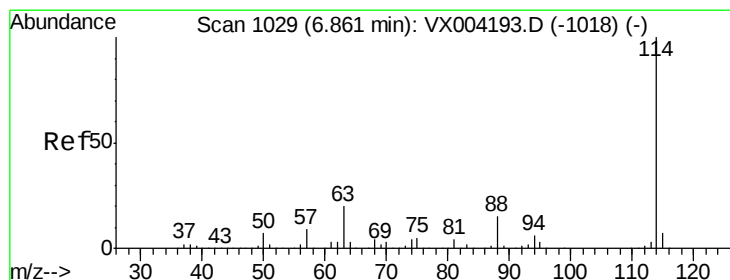
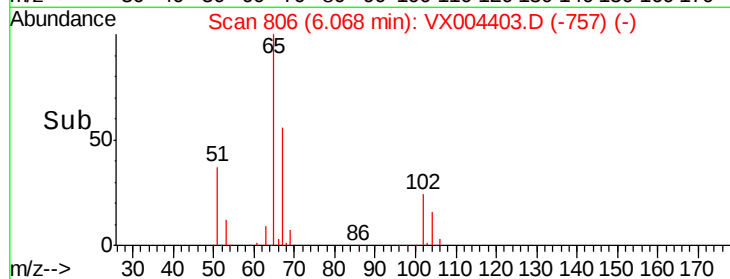
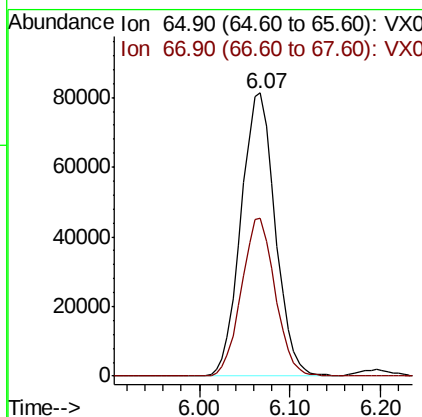
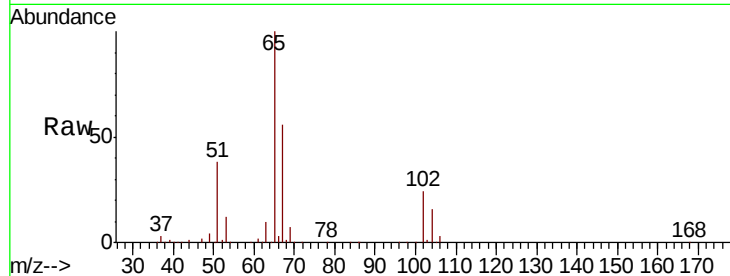
#33
 1,2-Dichloroethane-d4
 Concen: 46.75 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004403.D
 Acq: 07 Sep 2018 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	106.8

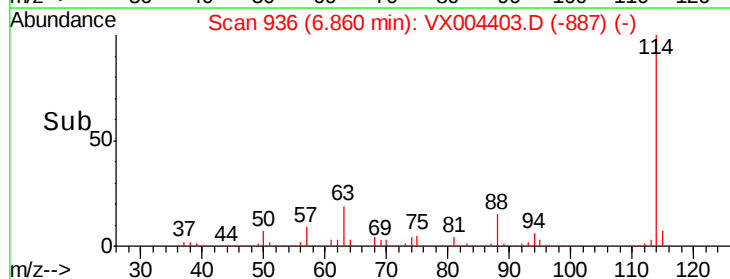
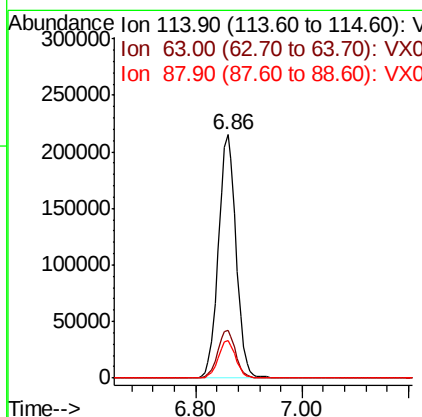
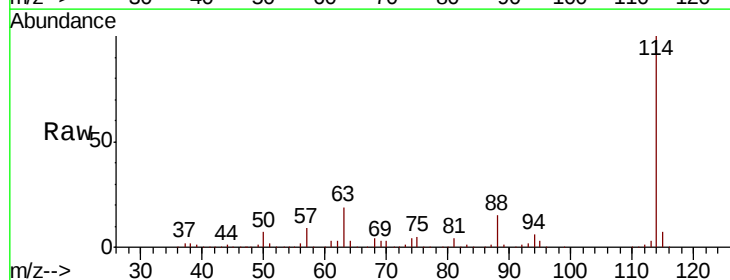
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004403.D
 Acq: 07 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	39.0
88	15.3	0.0	30.4





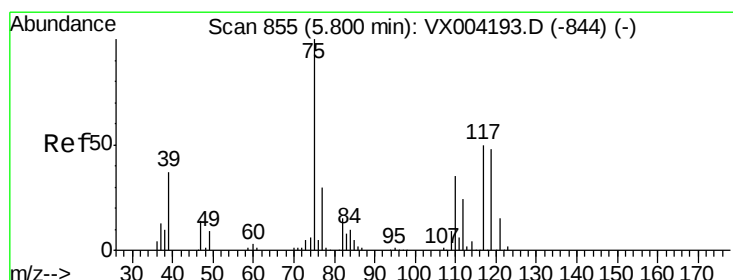
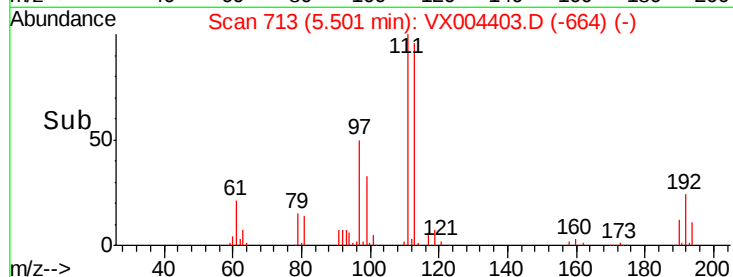
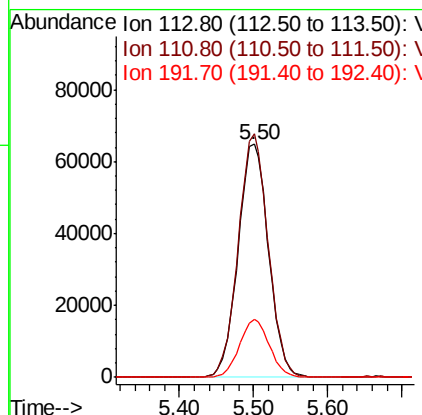
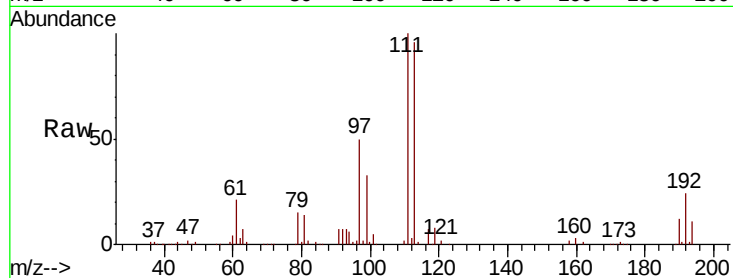
#35
 Dibromofluoromethane
 Concen: 50.11 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004403.D
 Acq: 07 Sep 2018 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	186629		
111	102.5	82.4	123.6	
192	24.2	19.4	29.2	

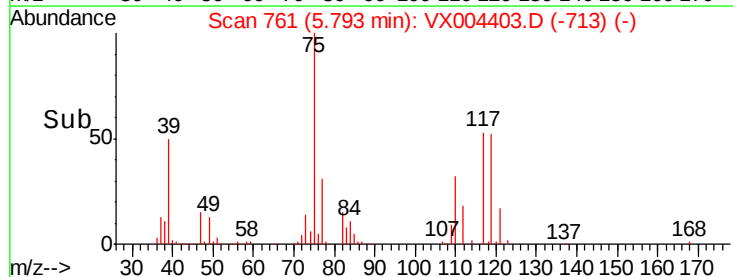
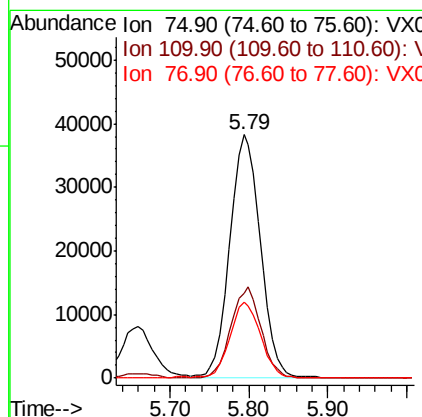
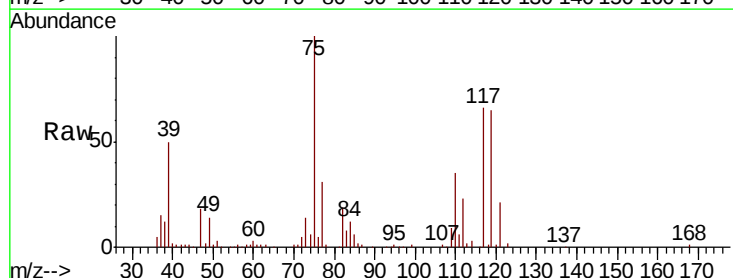
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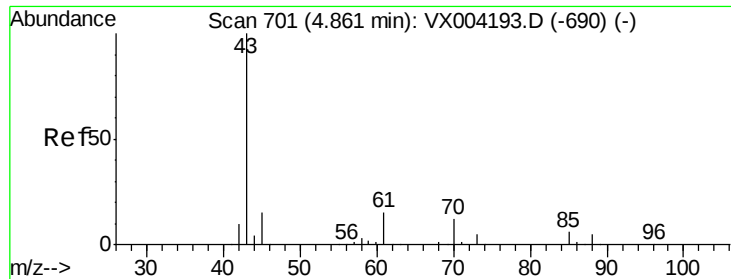
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#36
 1,1-Dichloropropene
 Concen: 18.34 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX004403.D
 Acq: 07 Sep 2018 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	103196		
110	36.9	18.0	54.0	
77	31.4	24.6	36.8	





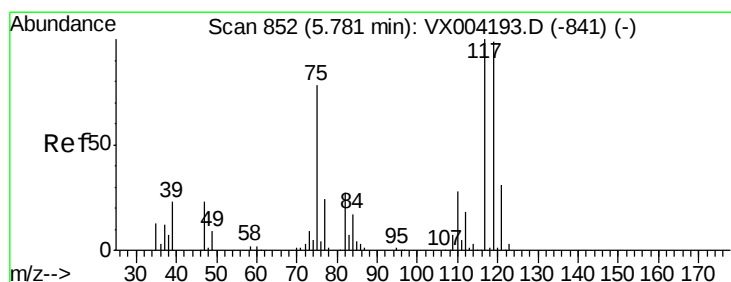
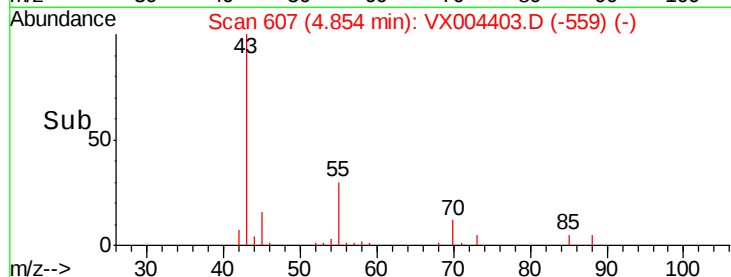
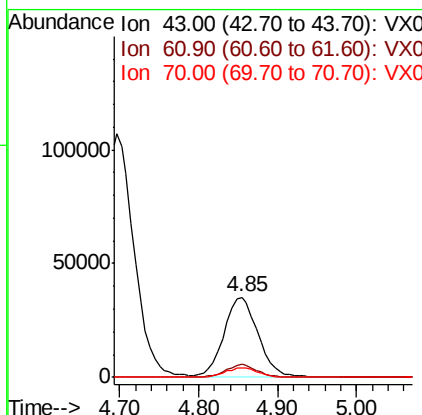
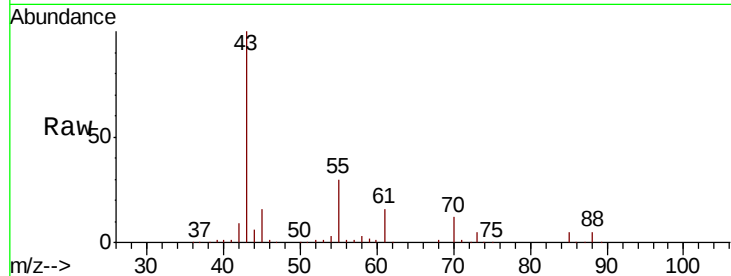
#37
Ethyl Acetate
Concen: 19.13 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.5	17.3
70	11.5	9.0	13.6

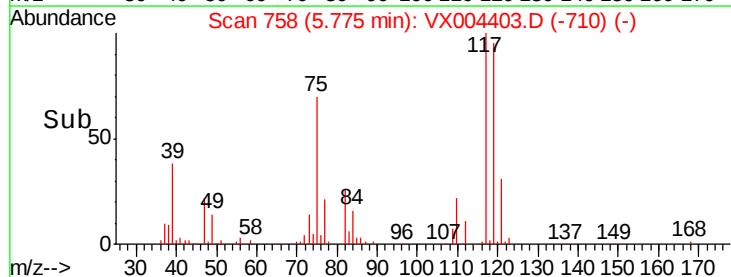
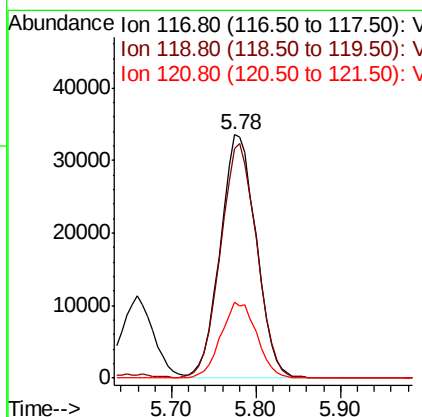
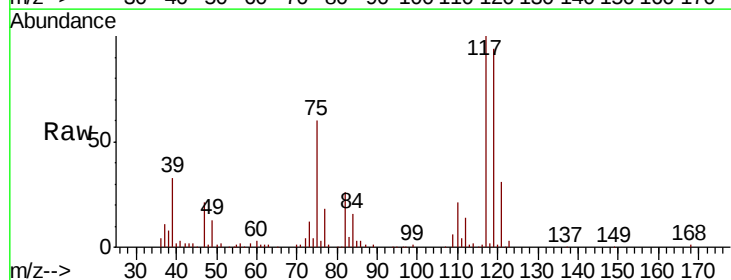
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#38
Carbon Tetrachloride
Concen: 18.53 ug/l
RT: 5.78 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	78.8	118.2
121	31.3	24.9	37.3





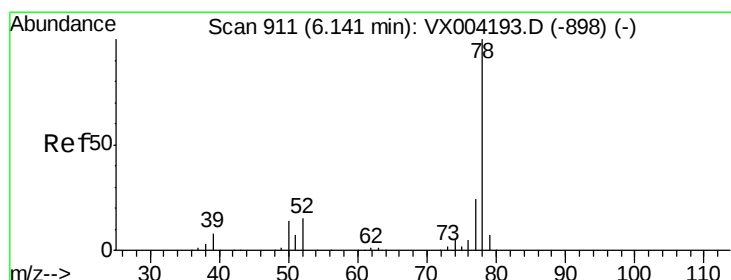
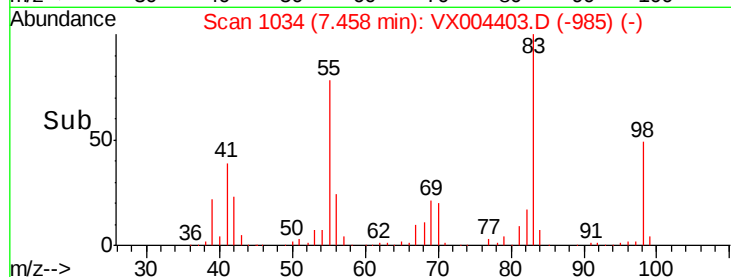
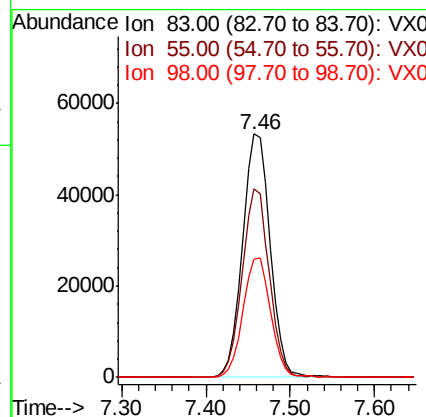
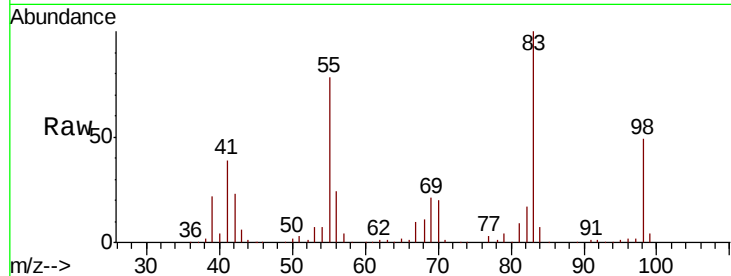
#39
Methvlcvclohexane
Concen: 18.28 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	117455		
55	77.5	61.0	91.4	
98	48.6	39.6	59.4	

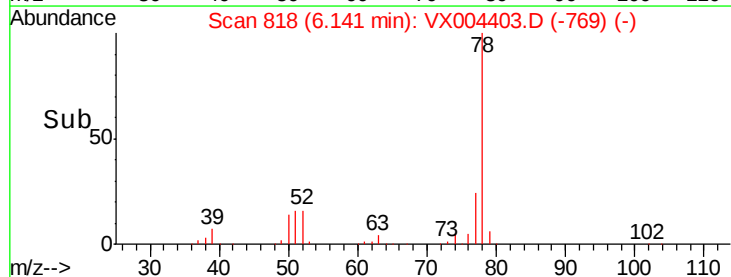
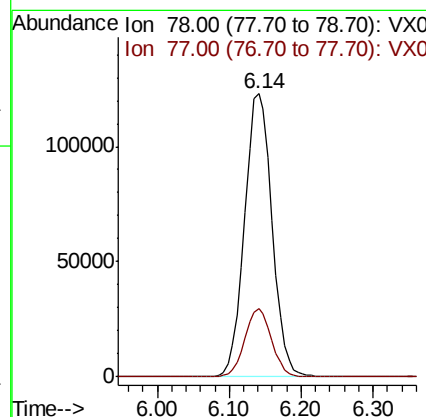
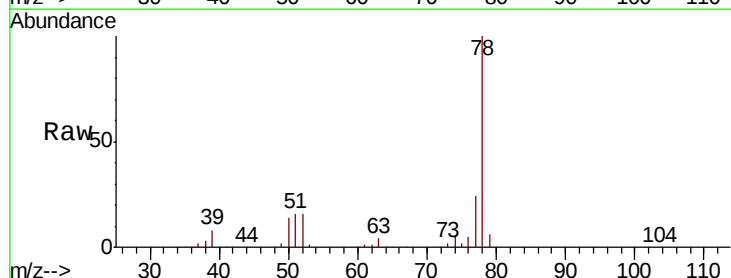
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#40
Benzene
Concen: 19.38 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	325882		
77	23.9	19.0	28.4	





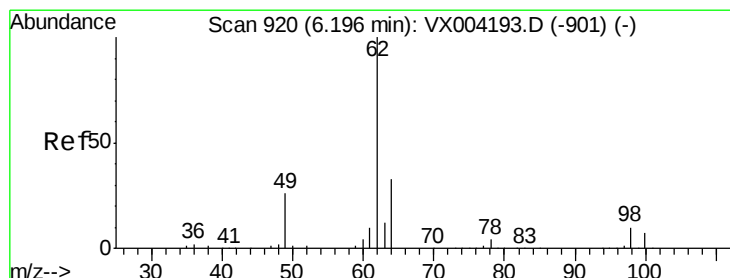
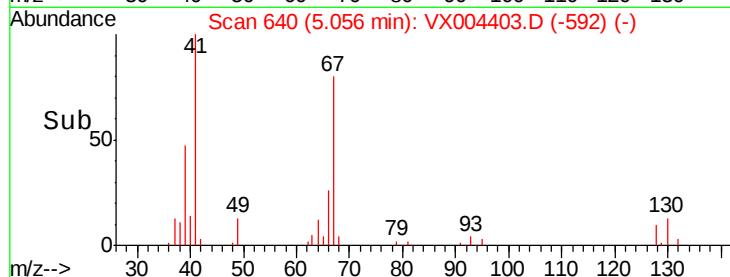
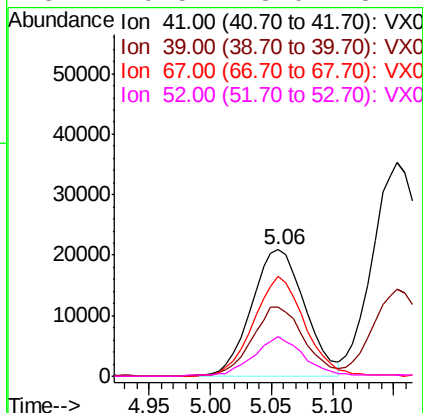
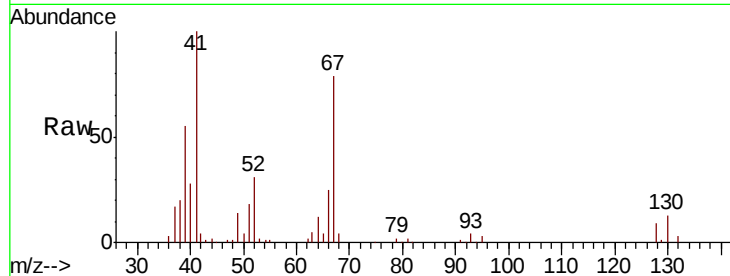
#41
Methacrylonitrile
Concen: 19.92 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	42.4	63.6	
67	75.2	59.2	88.8	
52	29.5	23.0	34.4	

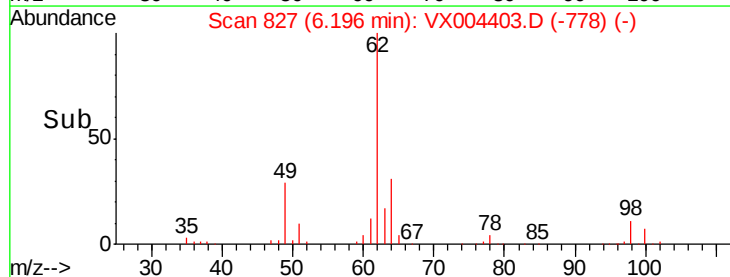
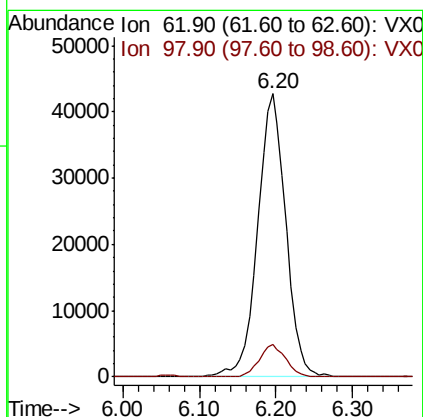
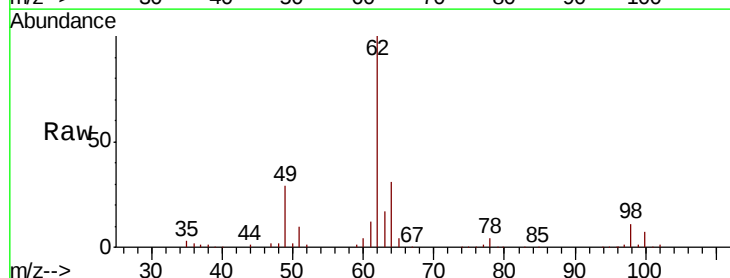
Manual Integrations
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9/10/2018 11:15:26 AM



#42
1,2-Dichloroethane
Concen: 19.10 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.8	0.0	20.6	





#43

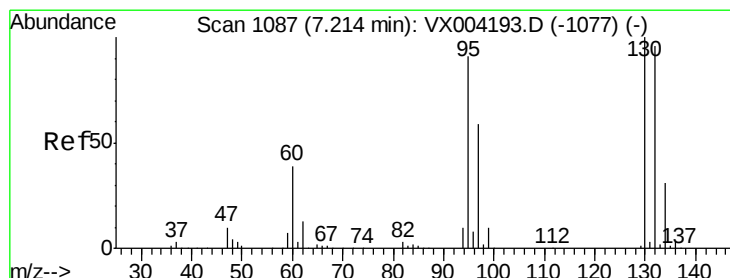
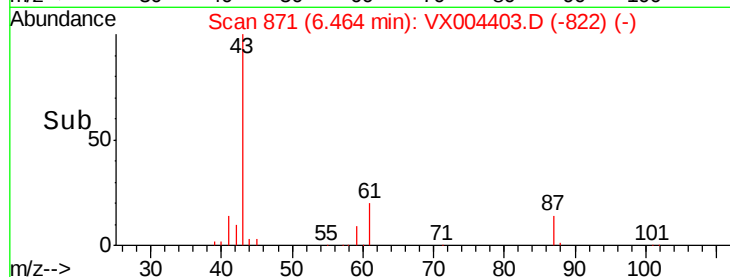
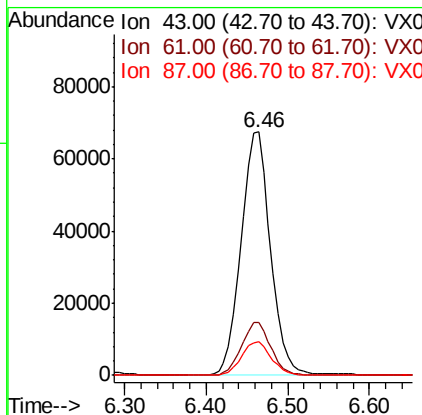
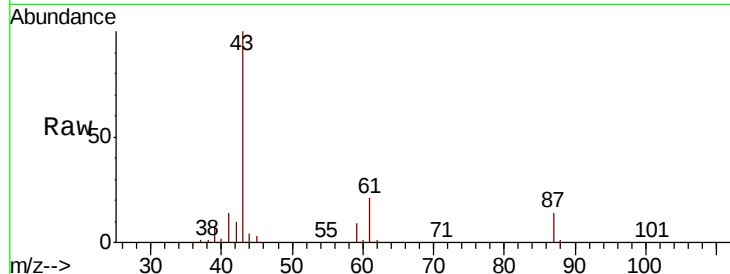
Isopropyl Acetate
 Concen: 19.82 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VX004403.D
 Acq: 07 Sep 2018 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS01

Tot Ion	43	61	87
Resp	168565		
Ratio	100	21.5	14.0
Lower		17.0	11.4
Upper		25.4	17.2

Manual Integrations
 APPROVED

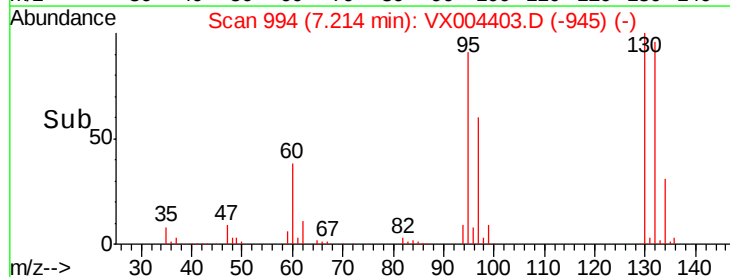
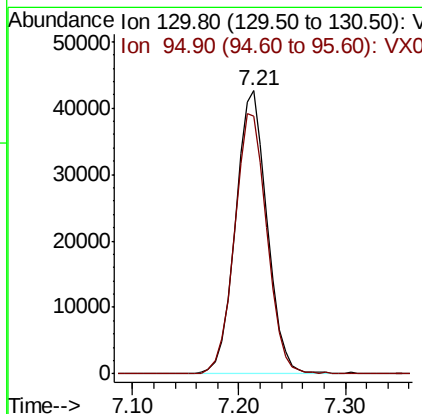
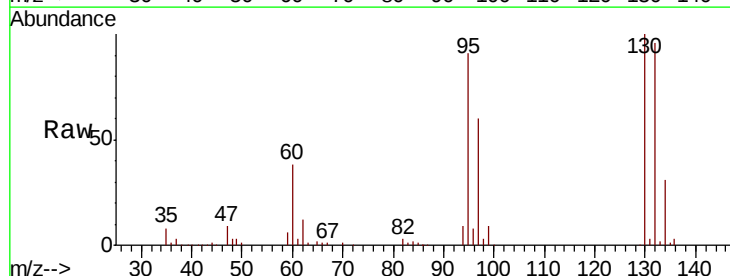
MMDadoda
 9/10/2018 11:15:26 AM

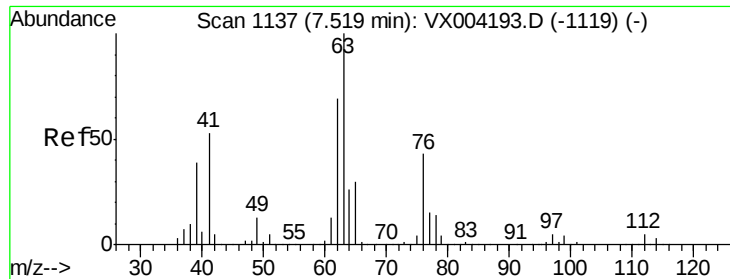


#44

Trichloroethene
 Concen: 19.05 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004403.D
 Acq: 07 Sep 2018 12:58

Tgt Ion	130	95
Resp	88652	
Ratio	100	90.9
Lower		0.0
Upper		181.6





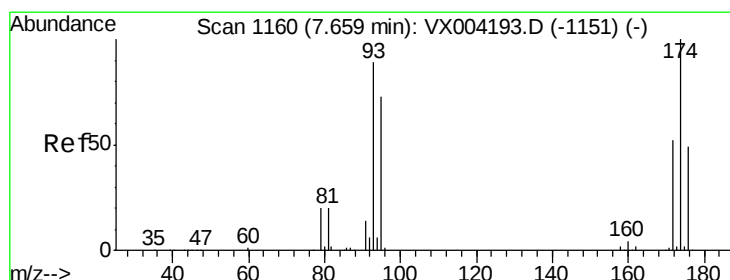
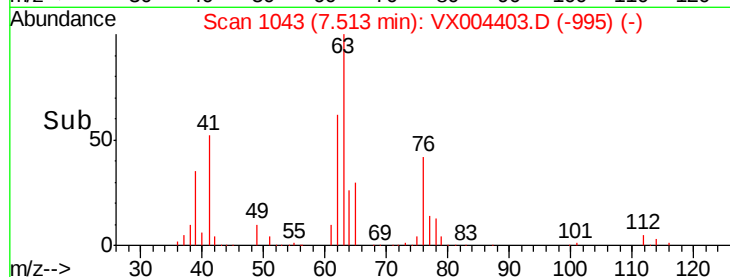
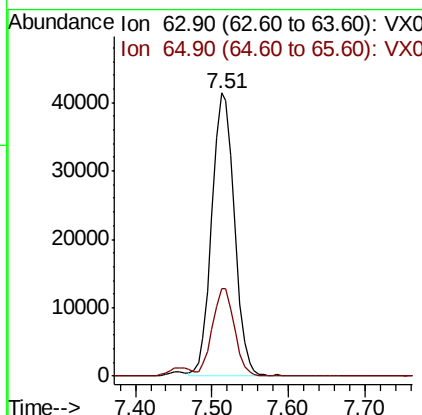
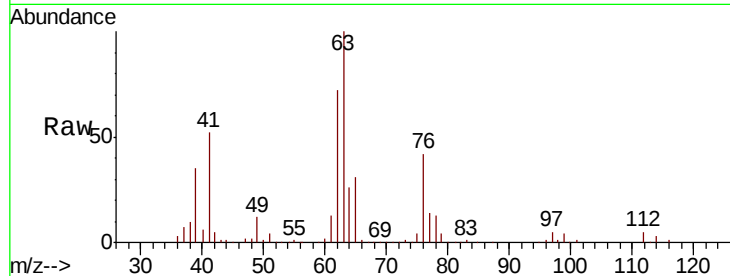
#45
 1,2-Dichloropropane
 Concen: 20.26 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX004403.D
 Acq: 07 Sep 2018 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS01

Tot Ion: 63 Resp: 85260
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.3 36.5

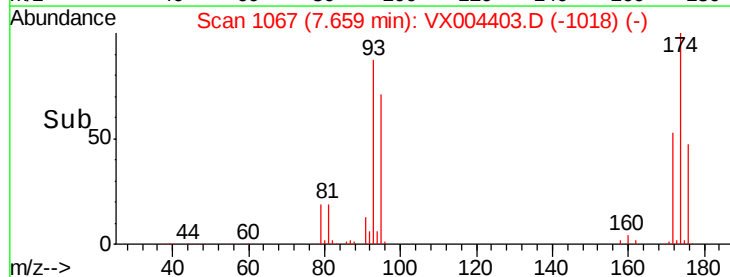
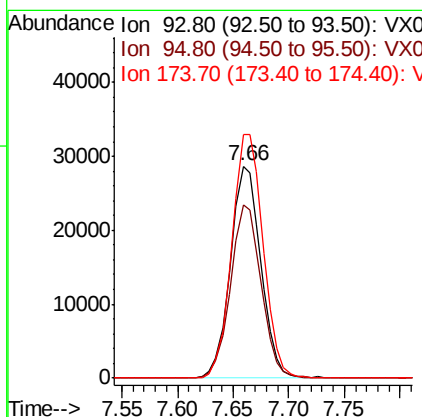
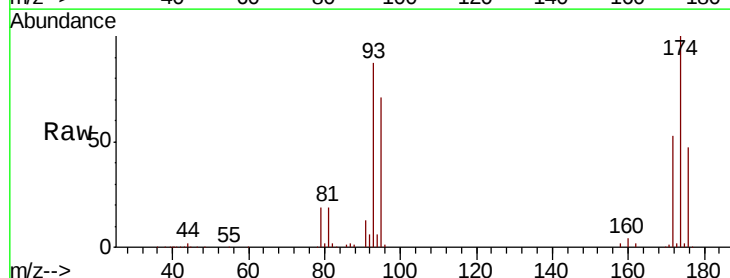
Manual Integrations
 APPROVED

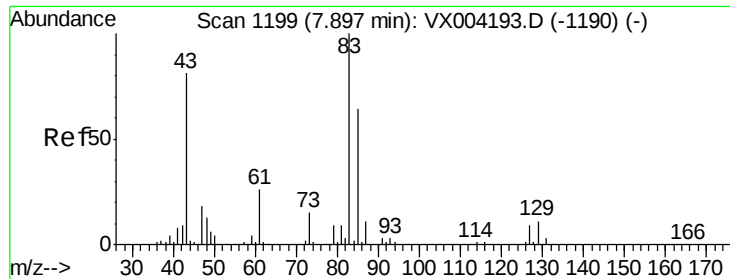
MMDadoda
 9/10/2018 11:15:26 AM



#46
 Dibromomethane
 Concen: 19.34 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX004403.D
 Acq: 07 Sep 2018 12:58

Tgt Ion: 93 Resp: 54205
 Ion Ratio Lower Upper
 93 100
 95 82.1 65.5 98.3
 174 118.2 94.2 141.4





#47

Bromodichloromethane

Concen: 19.63 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX004403.D

Acq: 07 Sep 2018 12:58

Instrument :

MSVOA_X

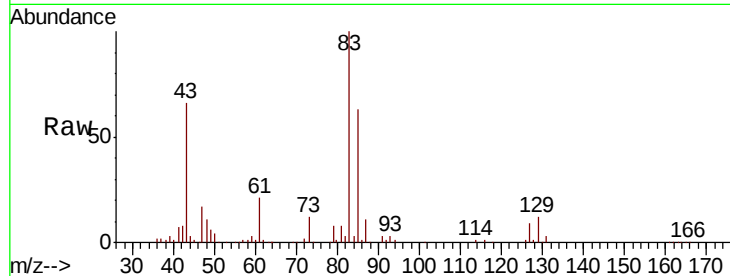
ClientSampleId :

VX0907WBS01

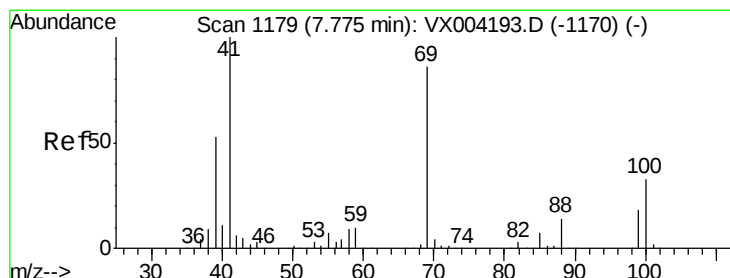
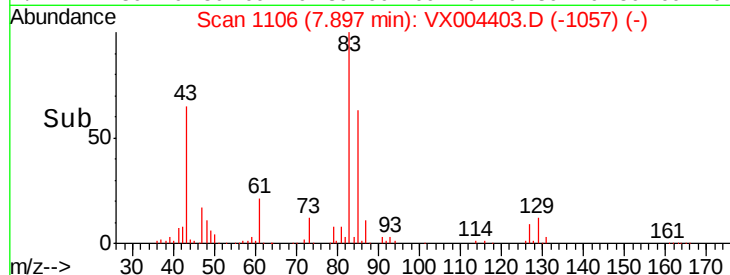
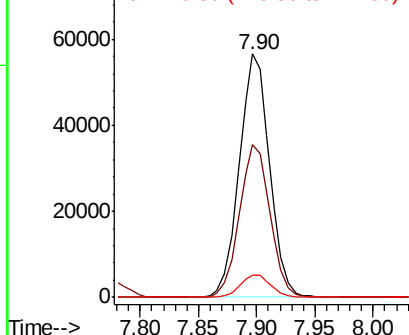
Tot Ion:	83	Resp:	102344
Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.9	76.3
127	9.0	7.3	10.9

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: 19.68 ug/l

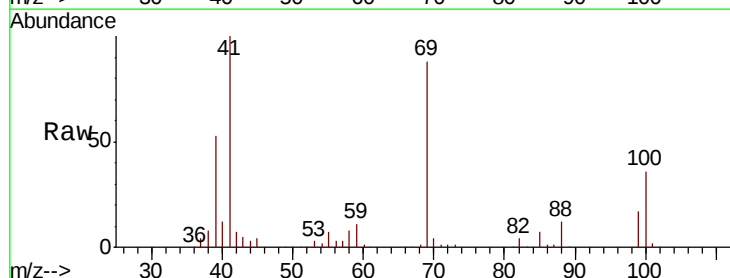
RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

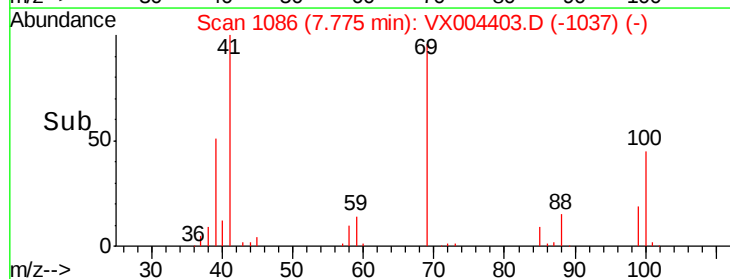
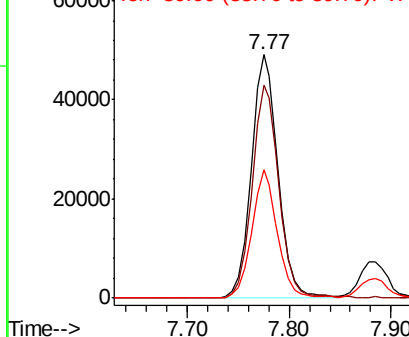
Lab File: VX004403.D

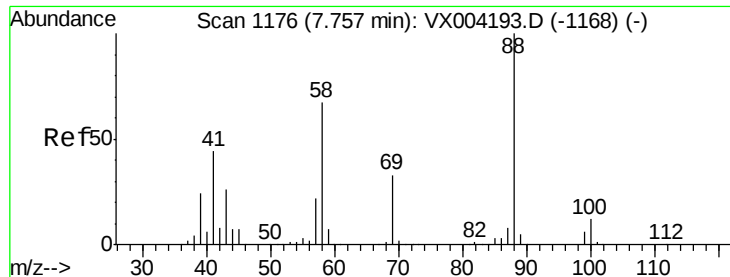
Acq: 07 Sep 2018 12:58

Tgt Ion:	41	Resp:	89559
Ion	Ratio	Lower	Upper
41	100		
69	87.7	70.2	105.4
39	50.7	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





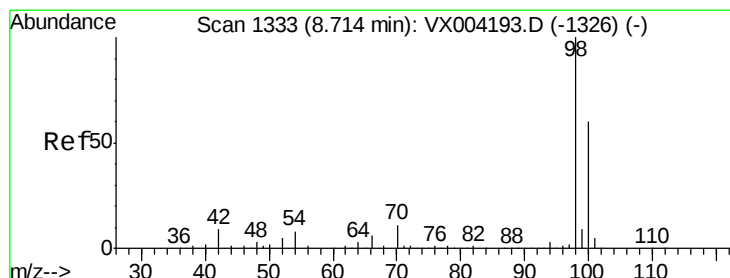
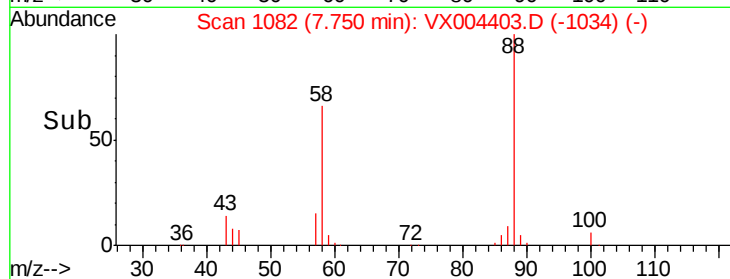
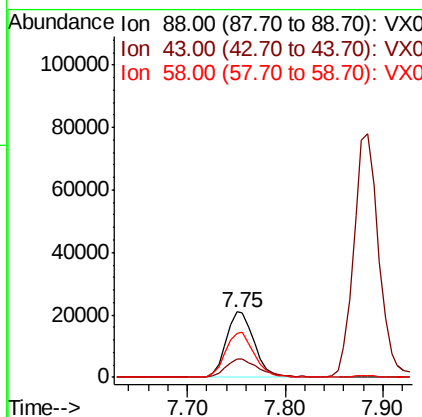
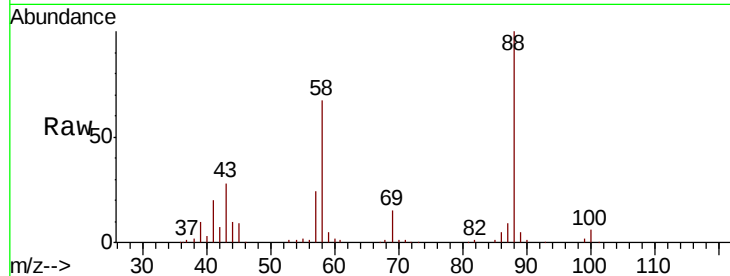
#49
1,4-Dioxane
Concen: 403.75 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.2	24.7	37.1
58	69.8	55.3	82.9

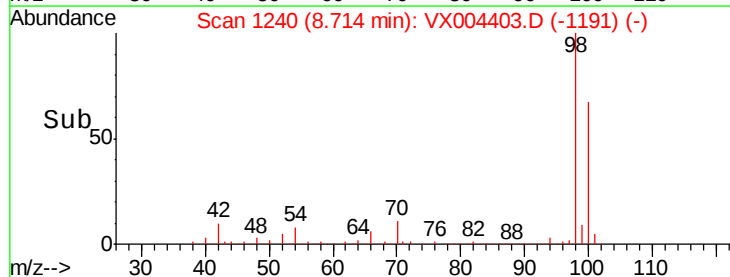
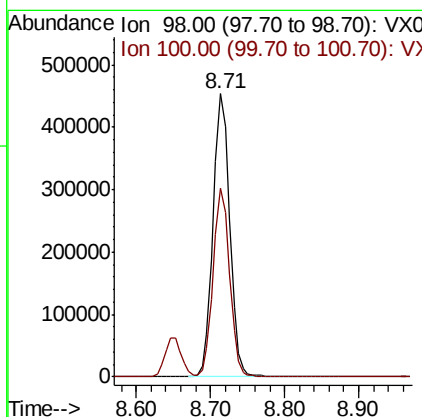
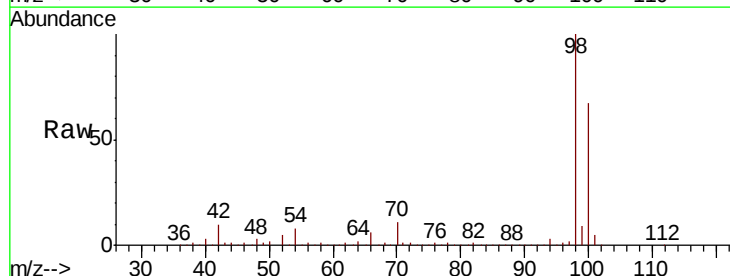
Manual Integrations
APPROVED

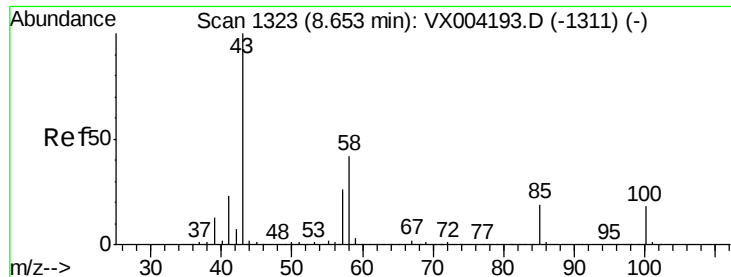
MMDadoda
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#50
Toluene-d8
Concen: 49.73 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 93.41 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX004403.D

Acq: 07 Sep 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS01

Tot Ion: 43 Resp: 577191

Ion Ratio Lower Upper

43 100

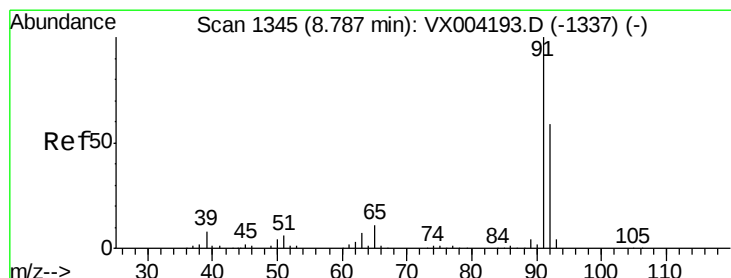
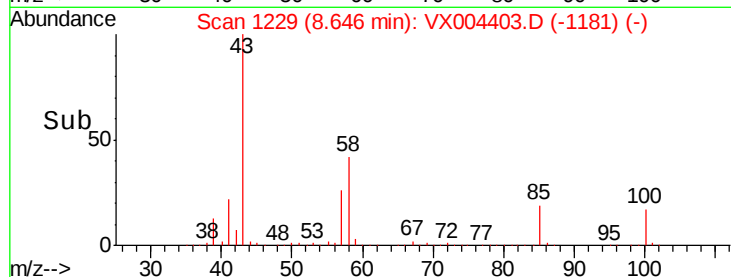
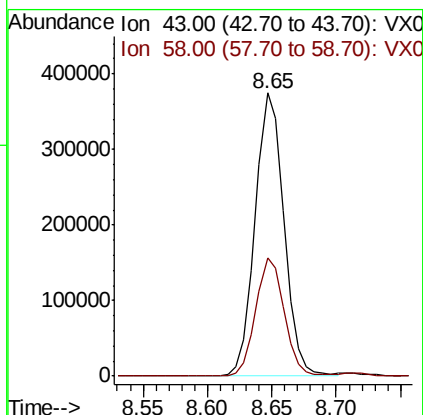
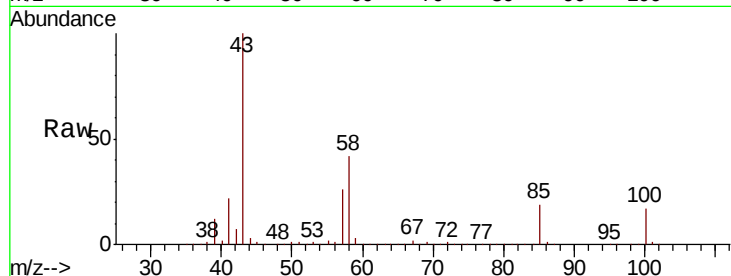
58 41.4 33.1 49.7

Manual Integrations

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9/10/2018 11:15:26 AM



#52

Toluene

Concen: 19.81 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX004403.D

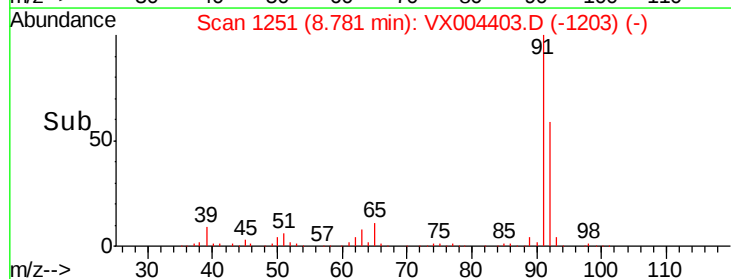
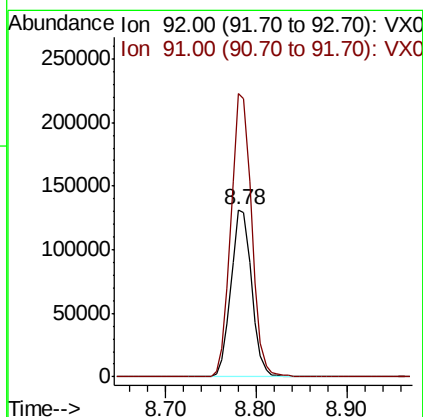
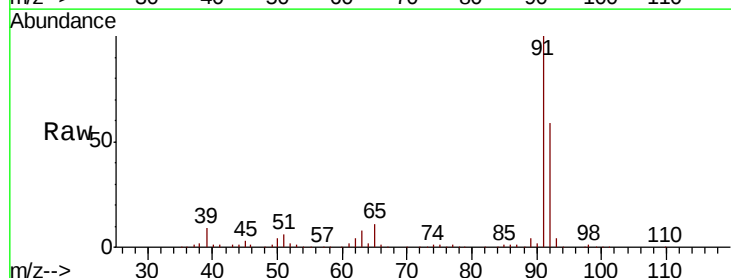
Acq: 07 Sep 2018 12:58

Tgt Ion: 92 Resp: 208483

Ion Ratio Lower Upper

92 100

91 169.5 136.4 204.6





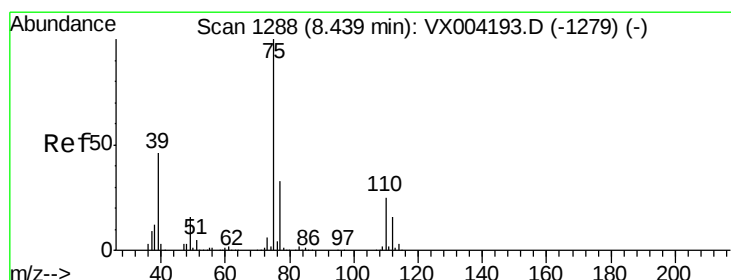
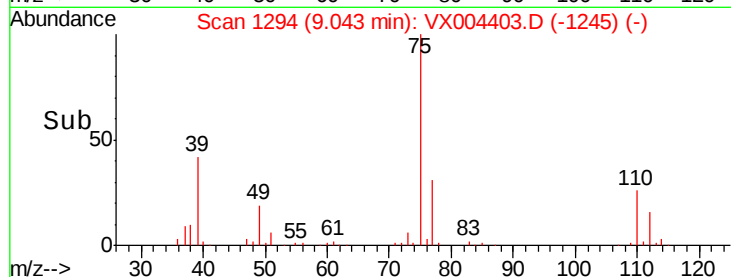
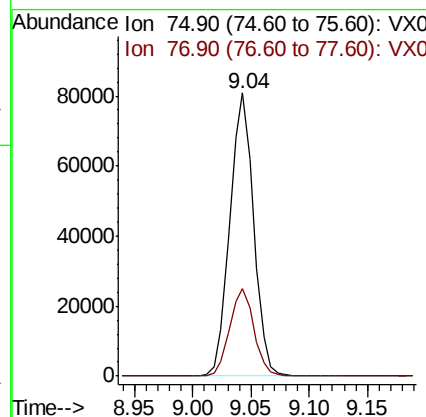
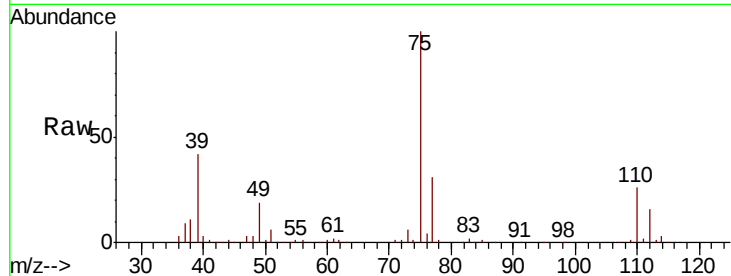
#53
t-1,3-Dichloropropene
Concen: 19.91 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS01

Tot Ion: 75 Resp: 114672
Ion Ratio Lower Upper
75 100
77 30.9 24.6 37.0

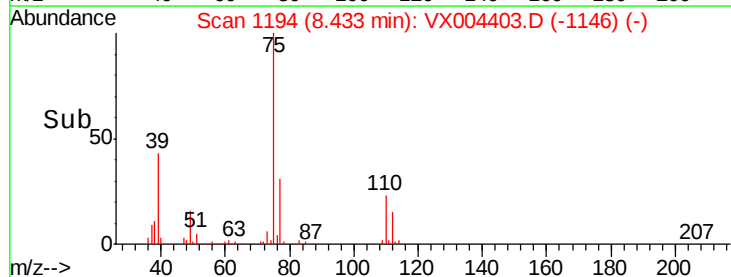
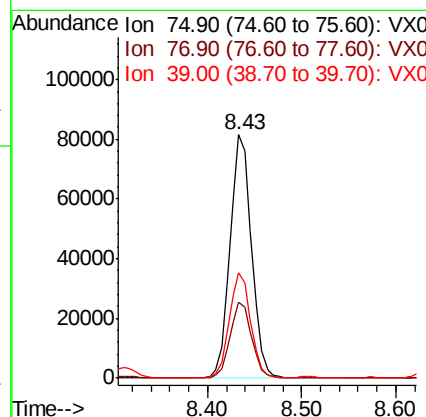
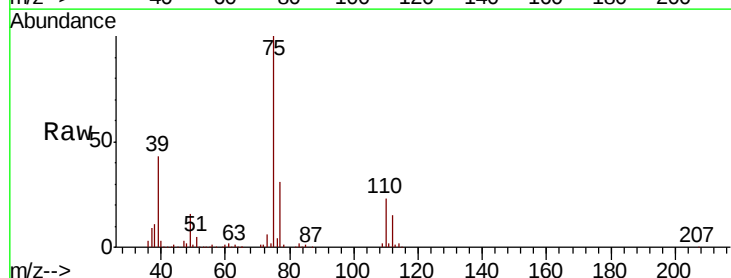
Manual Integrations
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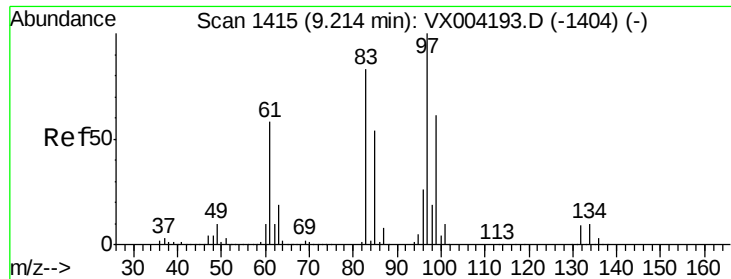
MMDadoda
9/10/2018 11:15:26 AM



#54
cis-1,3-Dichloropropene
Concen: 20.45 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.01 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Tgt Ion: 75 Resp: 128300
Ion Ratio Lower Upper
75 100
77 31.1 26.2 39.2
39 43.2 36.4 54.6





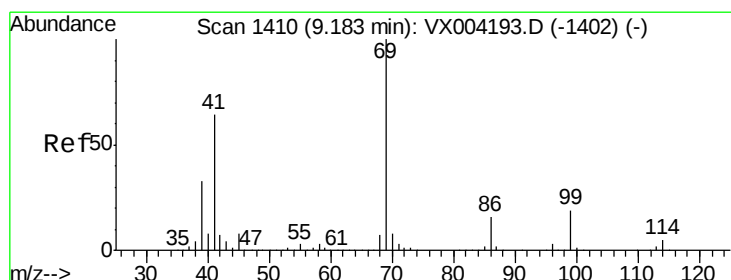
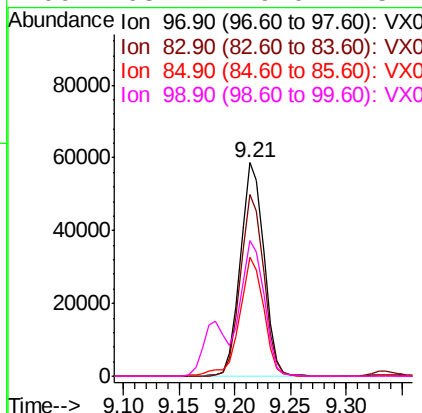
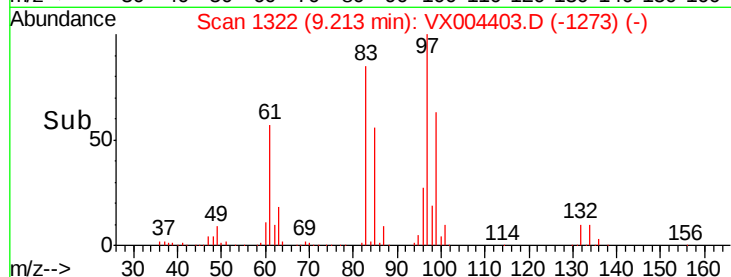
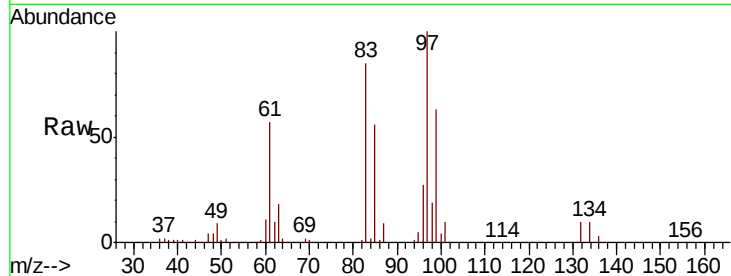
#55
 1,1,2-Trichloroethane
 Concen: 20.39 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX004403.D
 Acq: 07 Sep 2018 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS01

Tot Ion:	97	Resp:	86631
Ion	Ratio	Lower	Upper
97	100		
83	85.3	66.4	99.6
85	56.0	43.3	64.9
99	63.2	49.0	73.4

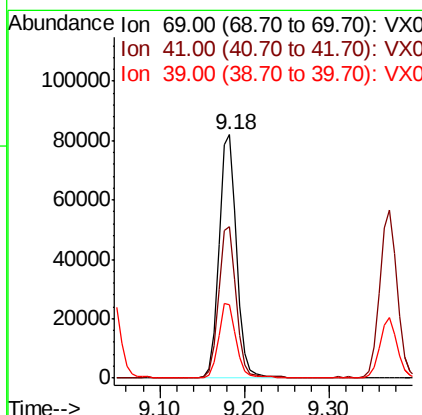
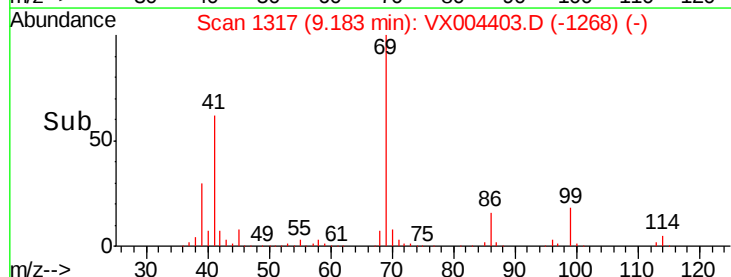
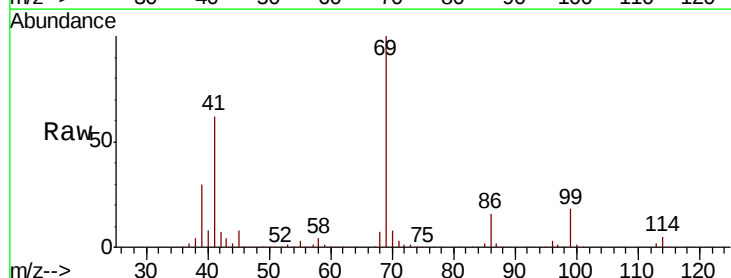
Manual Integrations
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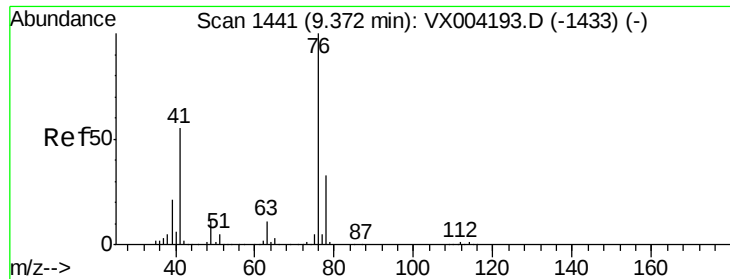
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#56
 Ethyl methacrylate
 Concen: 20.42 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004403.D
 Acq: 07 Sep 2018 12:58

Tgt Ion:	69	Resp:	118092
Ion	Ratio	Lower	Upper
69	100		
41	62.2	51.0	76.4
39	30.4	26.1	39.1





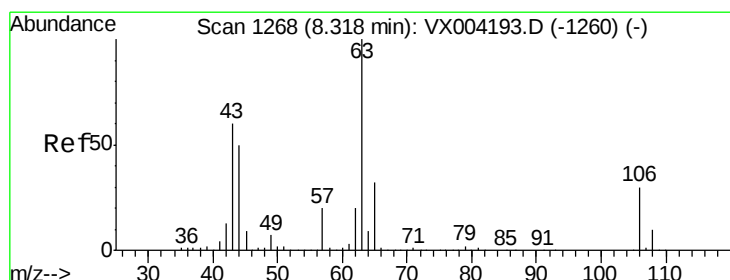
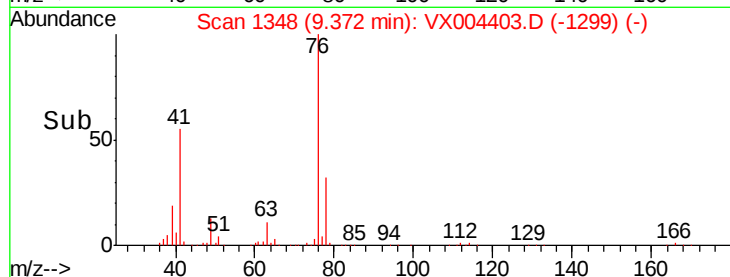
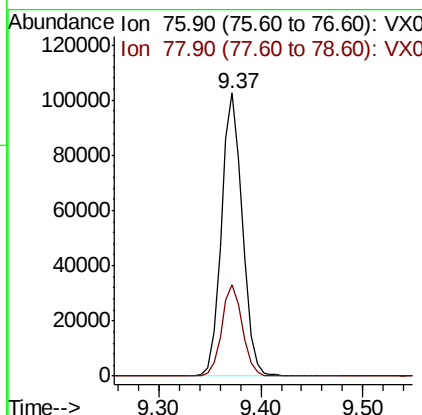
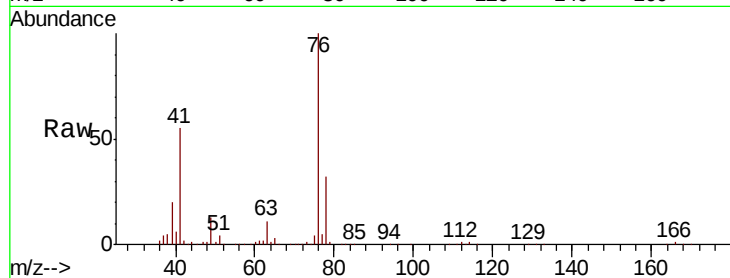
#57
 1,3-Dichloropropane
 Concen: 20.38 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004403.D
 Acq: 07 Sep 2018 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS01

Tot Ion: 76 Resp: 145939
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.5 38.3

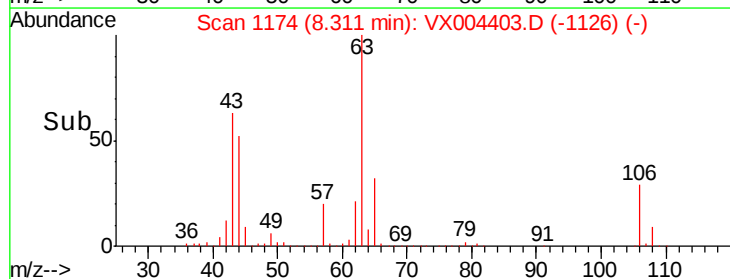
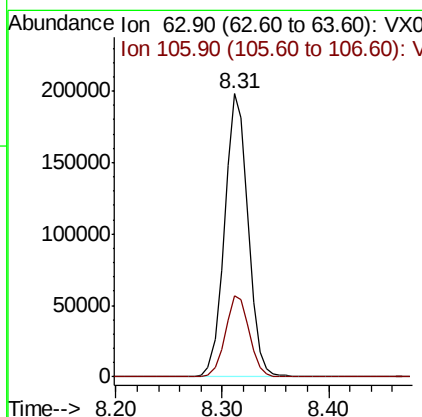
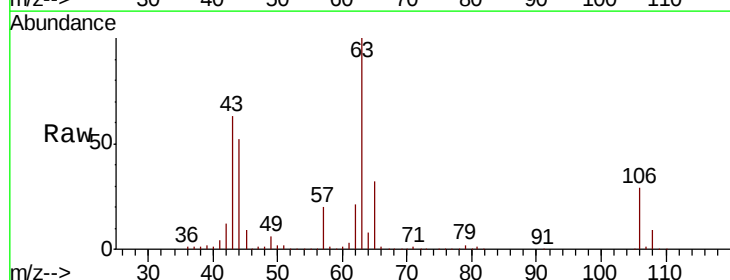
Manual Integrations
 APPROVED

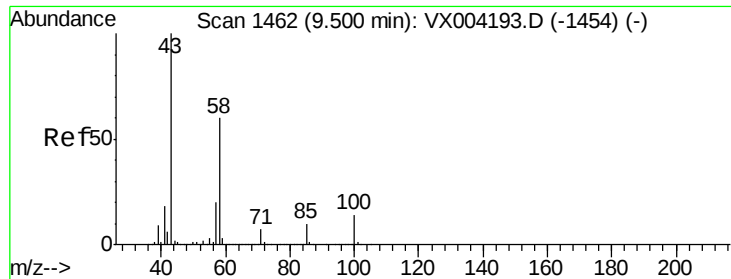
MMDadoda
 9/10/2018 11:15:26 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.96 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX004403.D
 Acq: 07 Sep 2018 12:58

Tgt Ion: 63 Resp: 305176
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.9 35.9





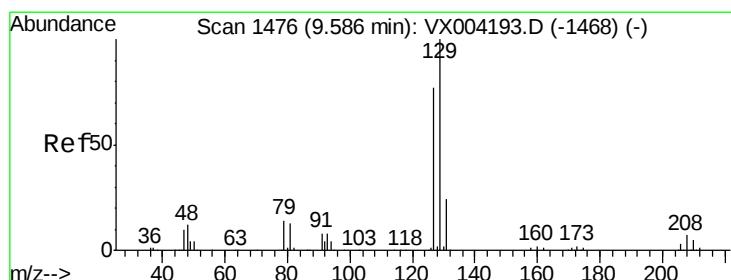
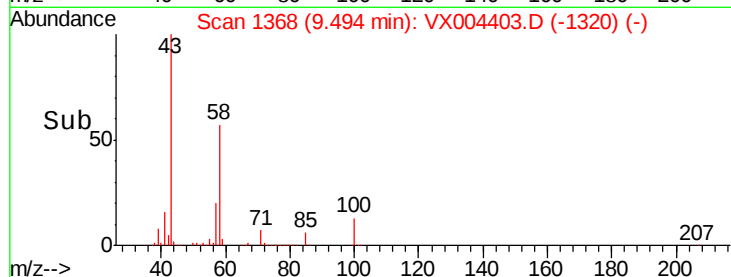
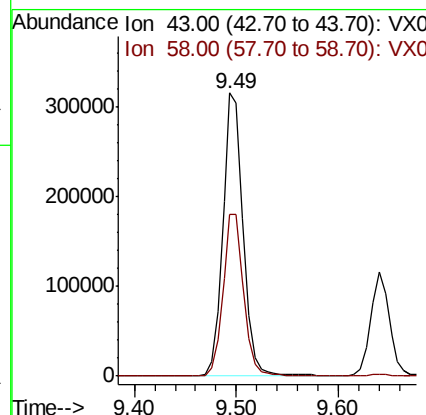
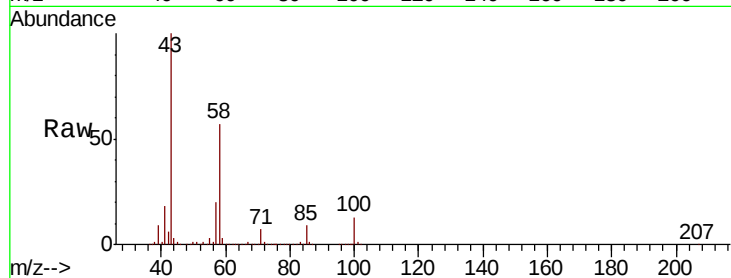
#59
2-Hexanone
Concen: 93.05 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS01

Tot Ion: 43 Resp: 438650
Ion Ratio Lower Upper
43 100
58 58.2 29.0 87.0

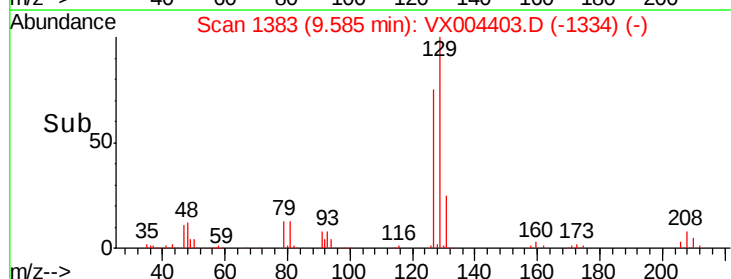
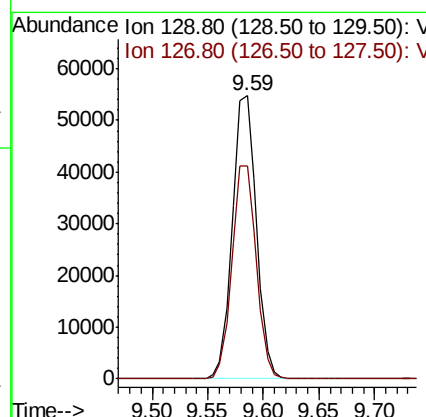
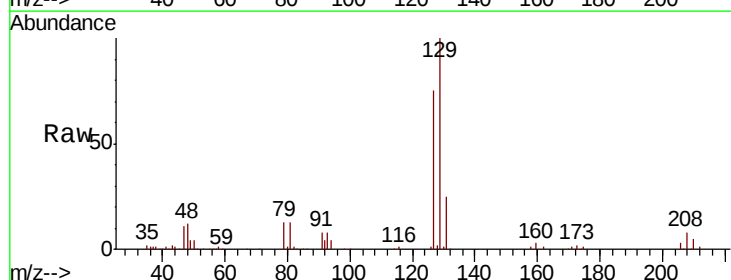
Manual Integrations
APPROVED

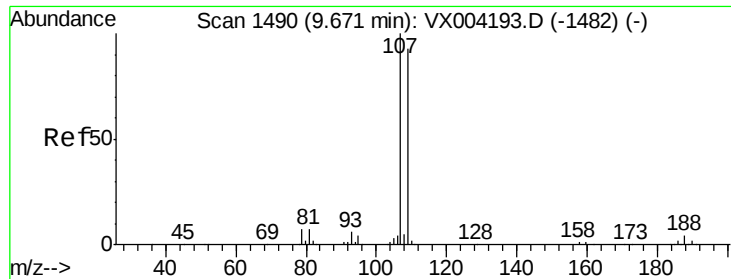
MMDadoda
9/10/2018 11:15:26 AM



#60
Dibromochloromethane
Concen: 19.79 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Tgt Ion: 129 Resp: 81925
Ion Ratio Lower Upper
129 100
127 75.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.70 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX004403.D

Acq: 07 Sep 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS01

Tot Ion:107 Resp: 86612

Ion Ratio Lower Upper

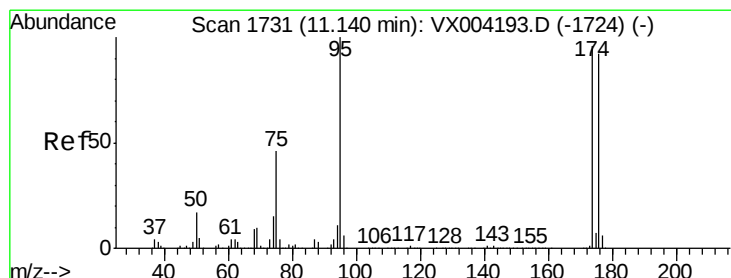
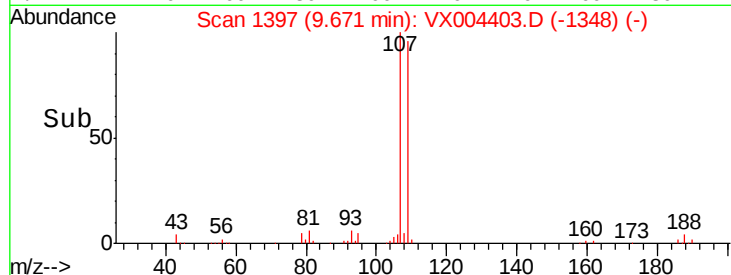
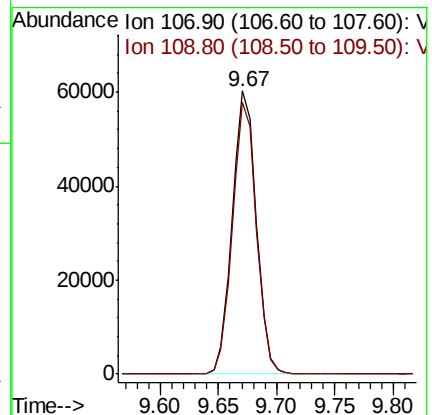
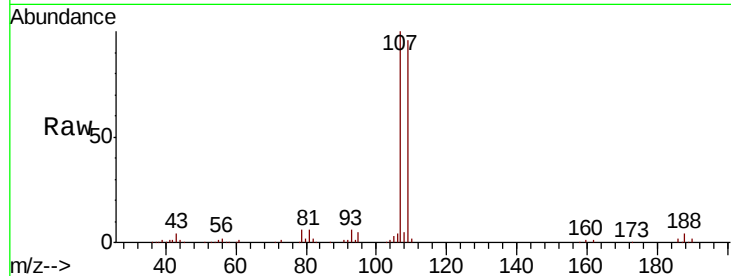
107 100

109 95.6 76.0 114.0

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#62

4-Bromofluorobenzene

Concen: 51.65 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004403.D

Acq: 07 Sep 2018 12:58

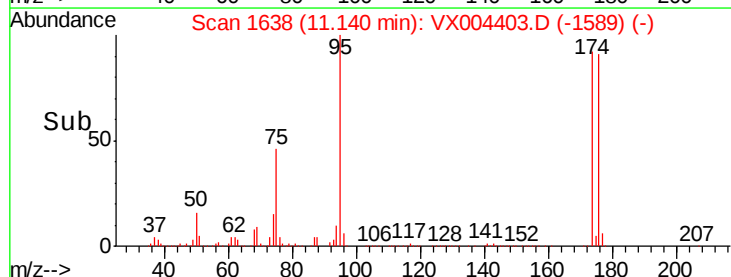
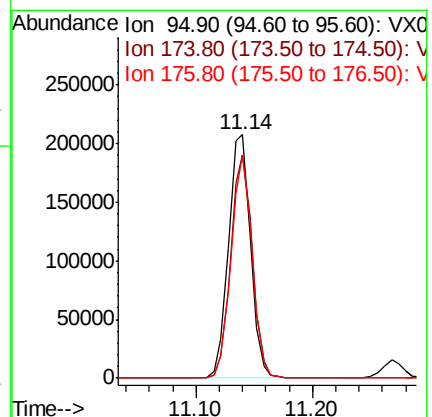
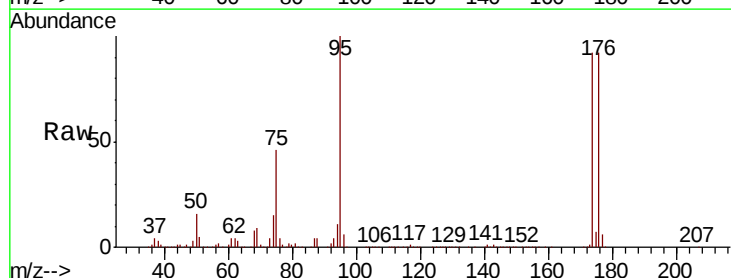
Tgt Ion: 95 Resp: 270916

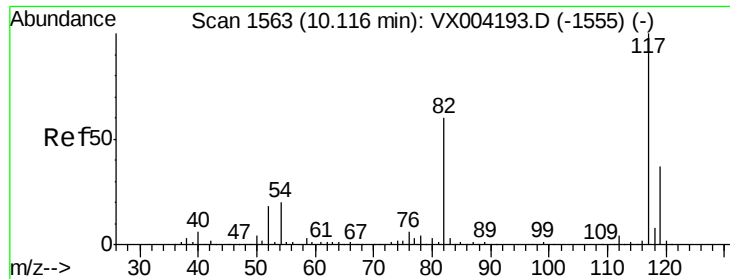
Ion Ratio Lower Upper

95 100

174 90.0 0.0 185.2

176 87.8 0.0 178.6





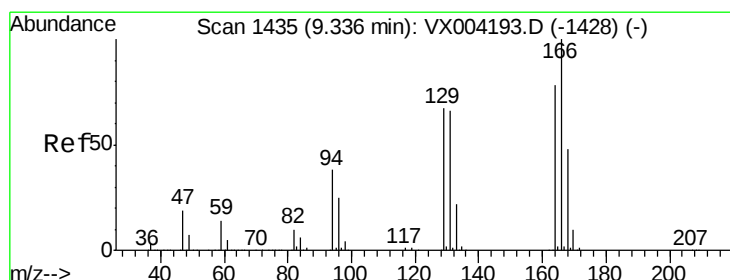
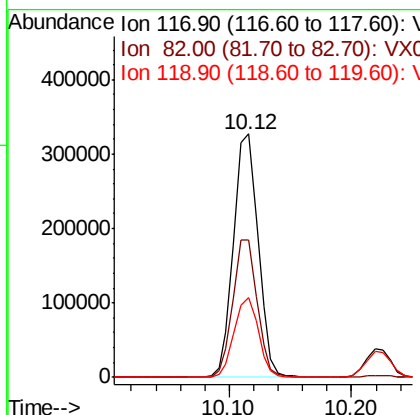
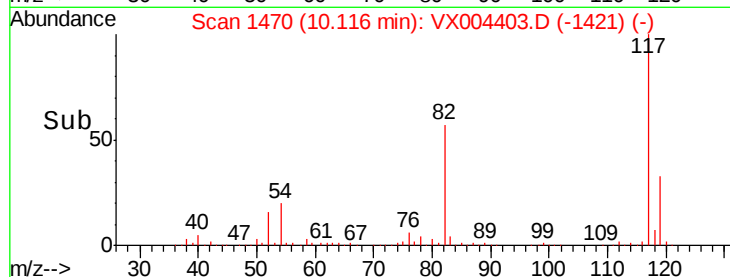
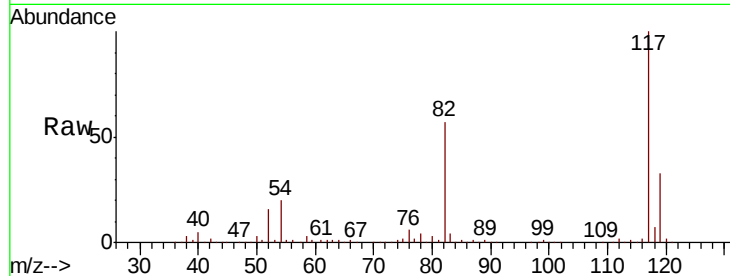
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.6	47.8	71.6
119	33.0	29.3	43.9

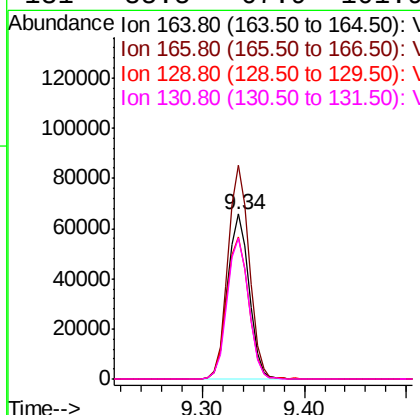
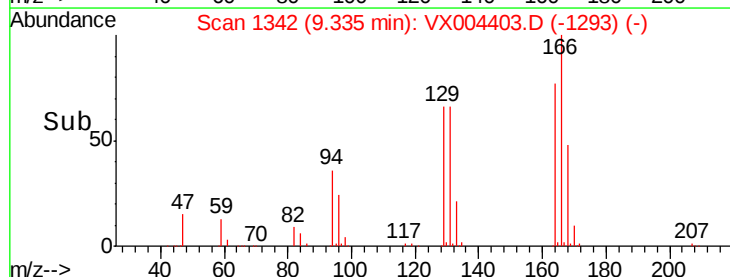
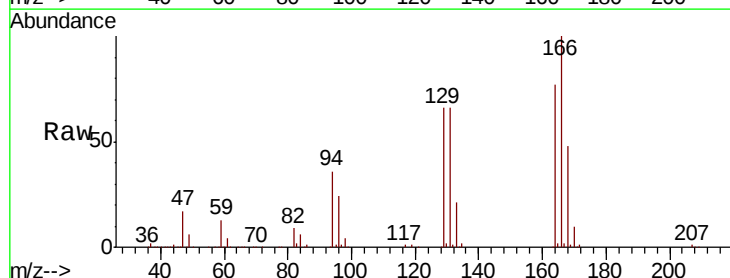
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#64
Tetrachloroethene
Concen: 21.35 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	102.8	154.2
129	86.0	69.4	104.0
131	85.5	67.9	101.9





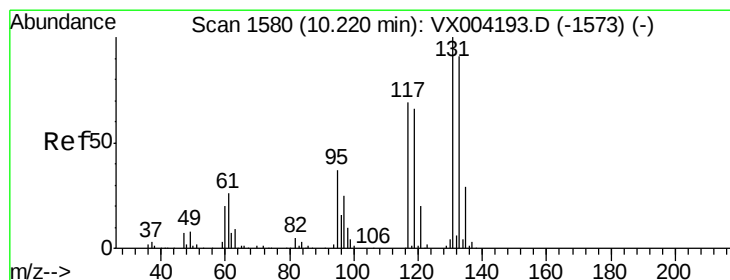
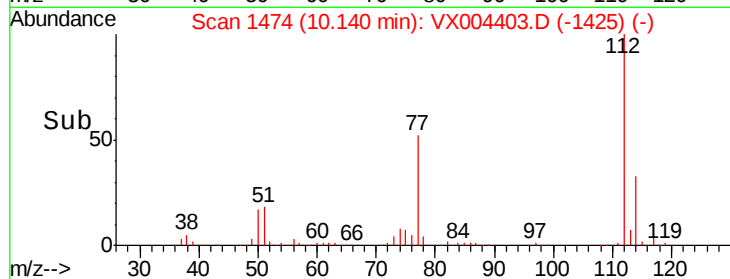
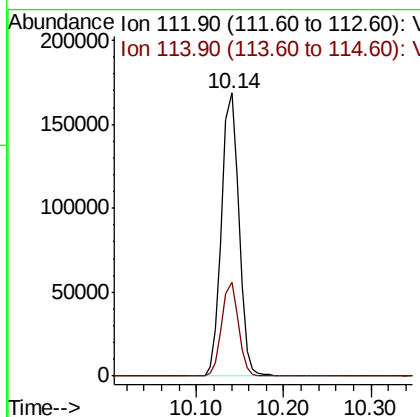
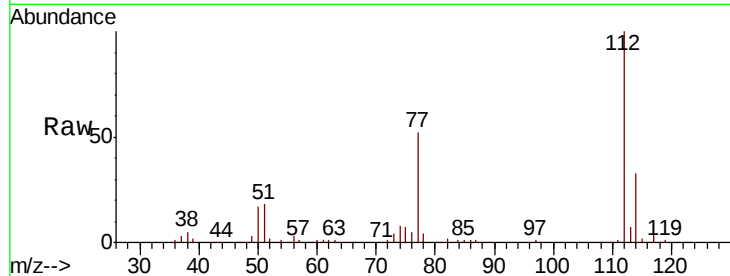
#65
Chlorobenzene
Concen: 20.25 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS01

Tot Ion:112 Resp: 231258
Ion Ratio Lower Upper
112 100
114 33.2 27.8 41.8

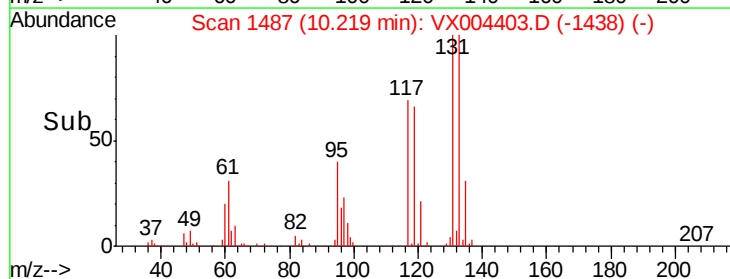
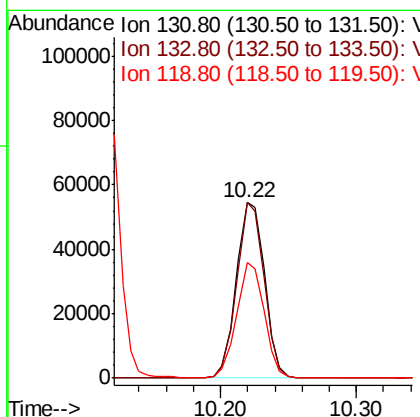
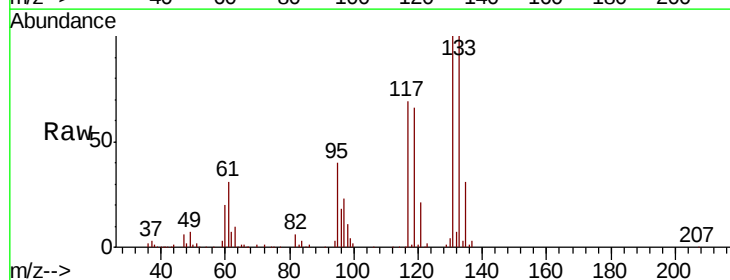
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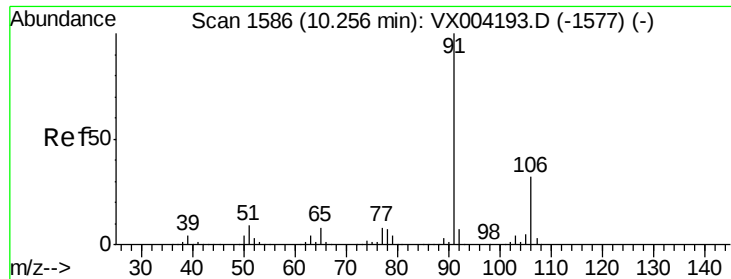
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.09 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Tgt Ion:131 Resp: 79104
Ion Ratio Lower Upper
131 100
133 95.8 48.1 144.4
119 64.0 32.9 98.6





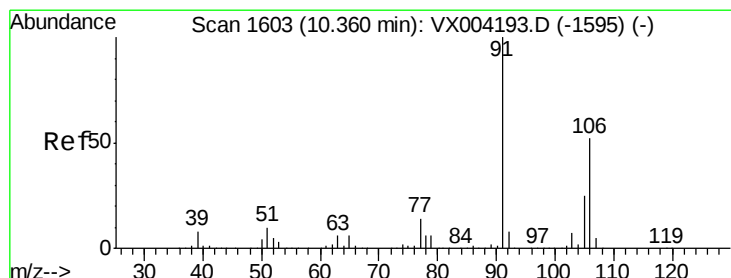
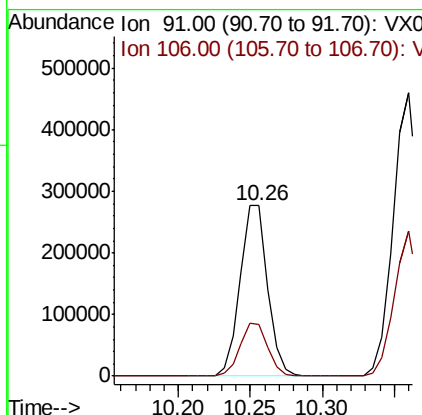
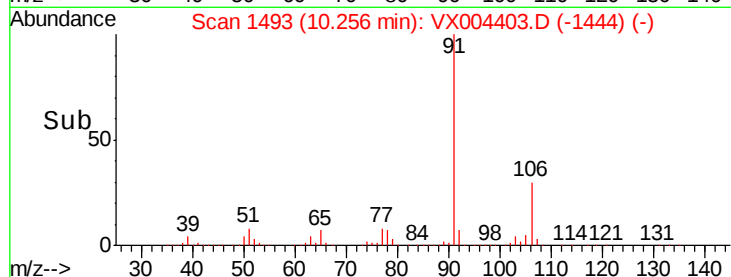
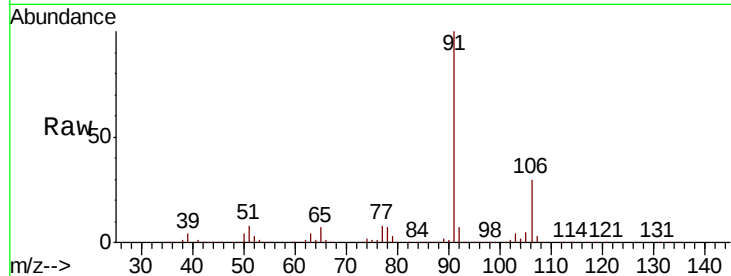
#67
Ethyl Benzene
Concen: 19.93 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS01

Tot Ion: 91 Resp: 369529
Ion Ratio Lower Upper
91 100
106 30.0 25.9 38.9

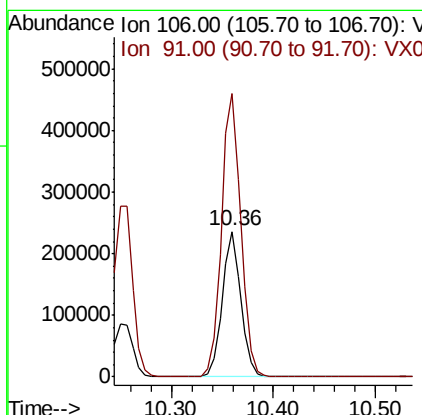
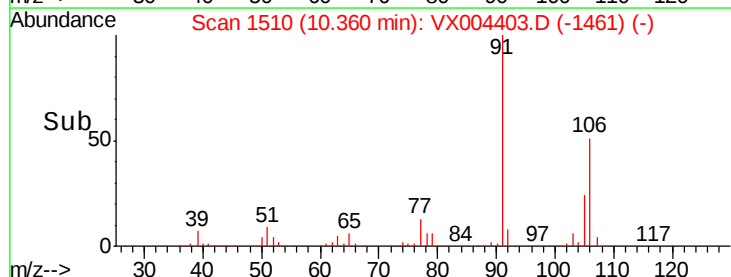
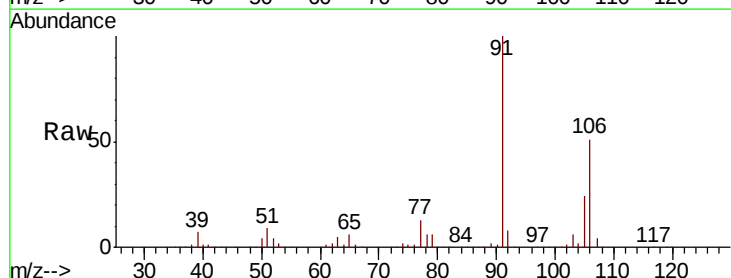
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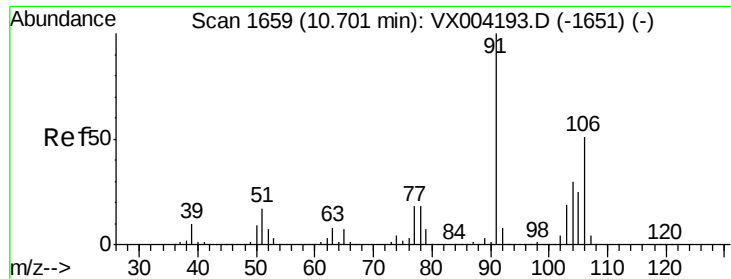
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#68
m/p-Xylenes
Concen: 41.31 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Tgt Ion: 106 Resp: 299552
Ion Ratio Lower Upper
106 100
91 202.7 157.1 235.7





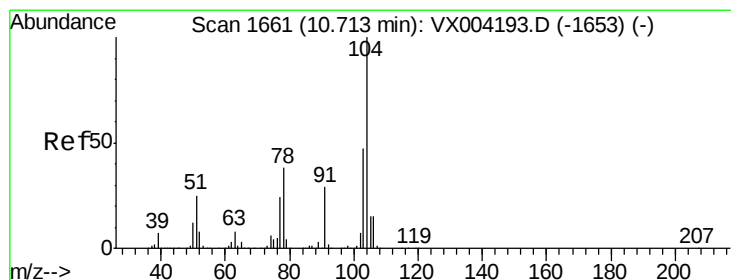
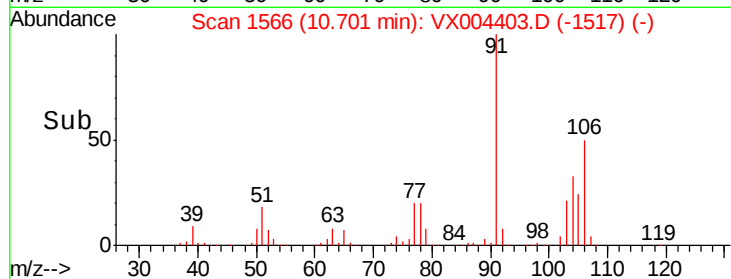
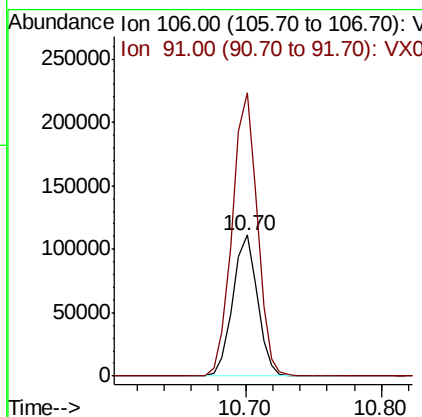
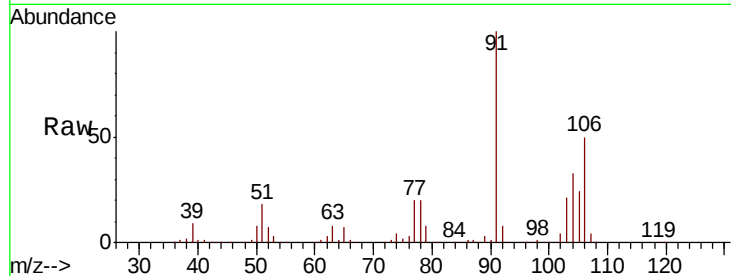
#69
o-Xylene
Concen: 20.50 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS01

Tot Ion:106 Resp: 140616
Ion Ratio Lower Upper
106 100
91 204.6 105.1 315.1

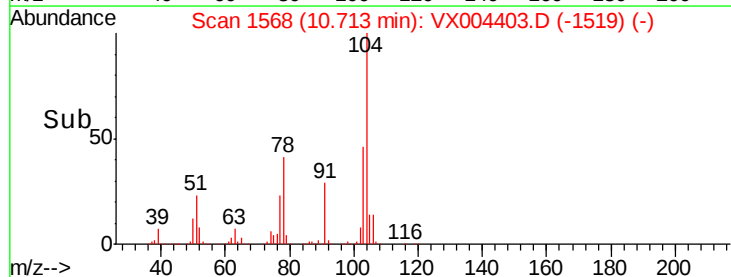
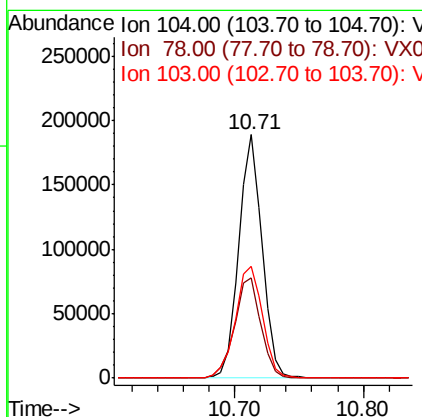
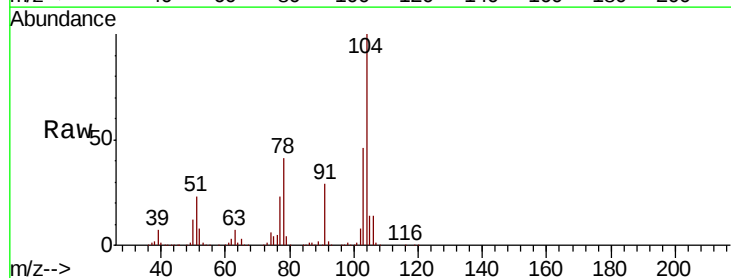
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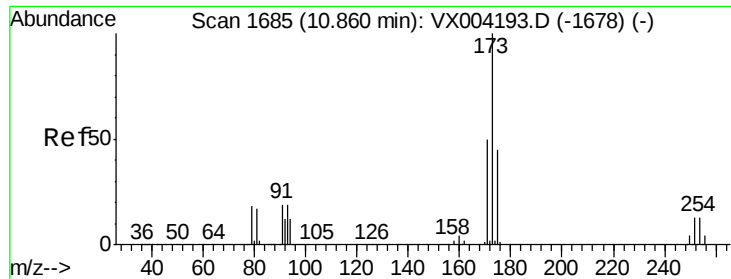
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#70
Styrene
Concen: 21.37 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Tgt Ion:104 Resp: 237315
Ion Ratio Lower Upper
104 100
78 47.1 37.4 56.0
103 53.6 43.8 65.6





#71

Bromoform

Concen: 19.20 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004403.D

Acq: 07 Sep 2018 12:58

Instrument :

MSVOA_X

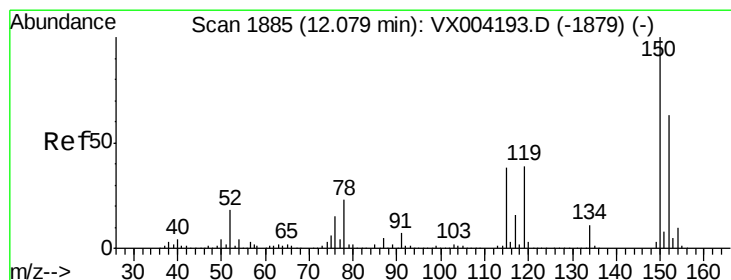
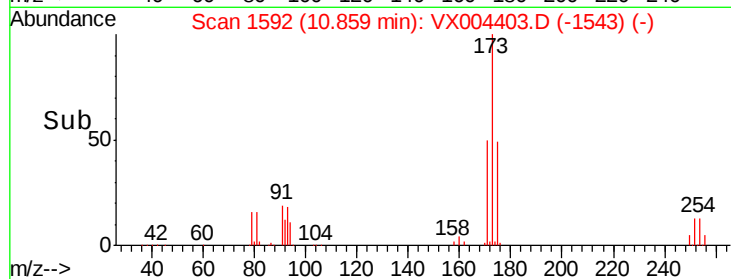
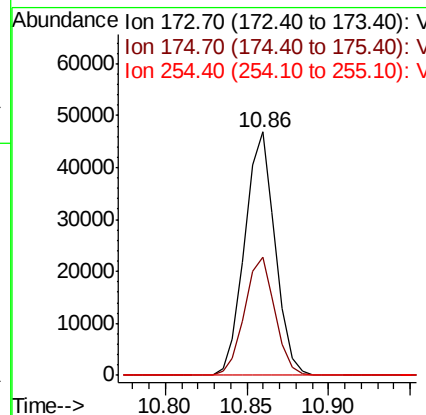
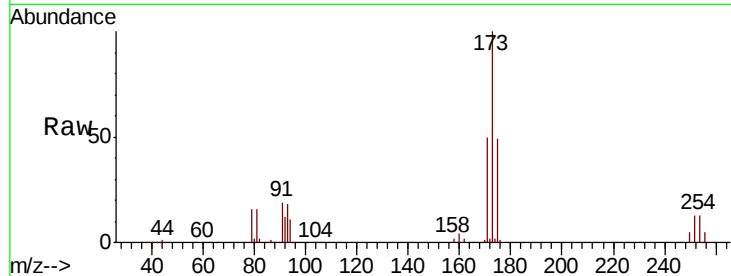
ClientSampleId :

VX0907WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.3
254	0.1	0.2	0.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

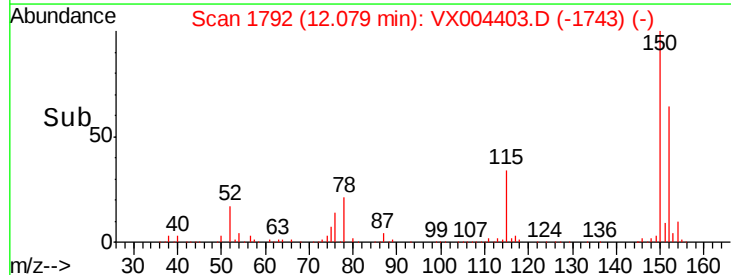
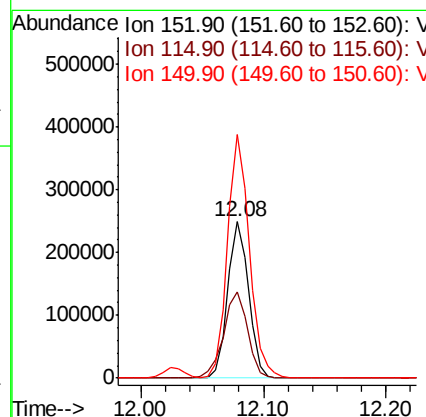
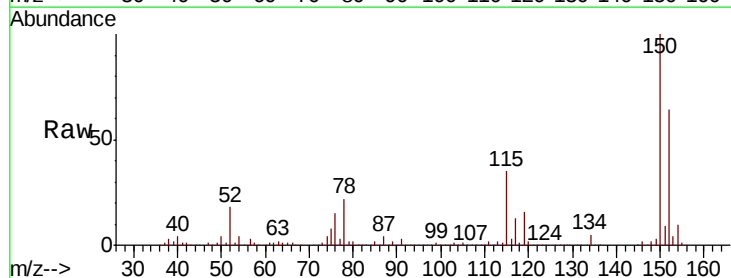
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004403.D

Acq: 07 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.8	39.0	117.0
150	162.9	0.0	351.0





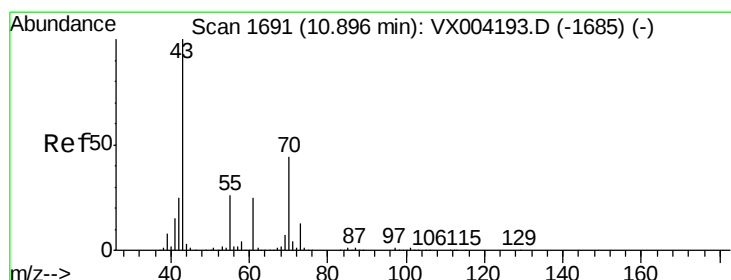
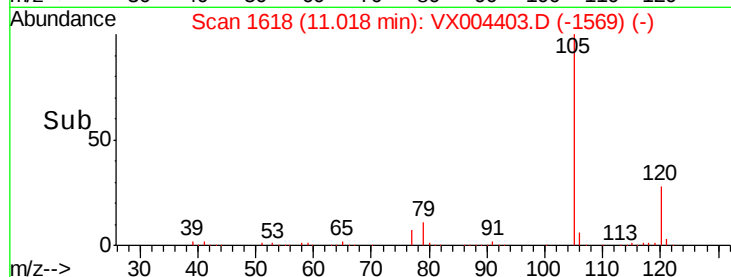
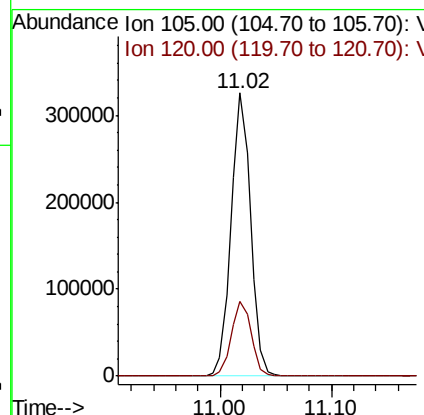
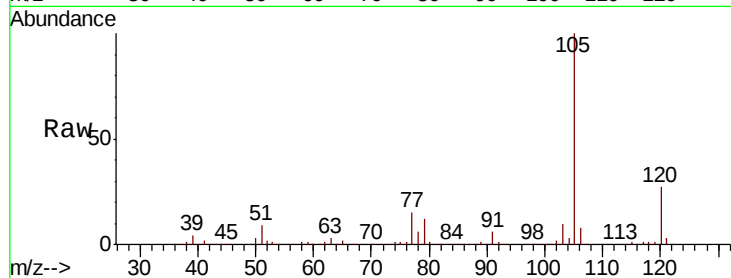
#73
Isopropylbenzene
Concen: 20.38 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS01

Tot Ion: 105 Resp: 394815
Ion Ratio Lower Upper
105 100
120 27.1 13.5 40.4

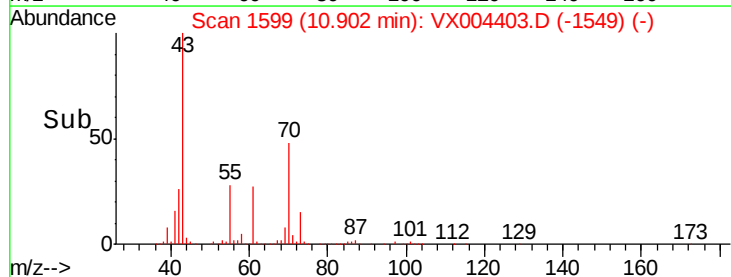
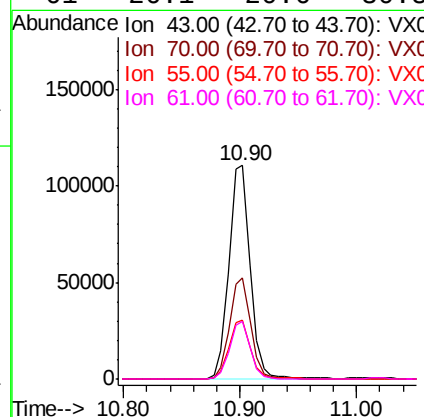
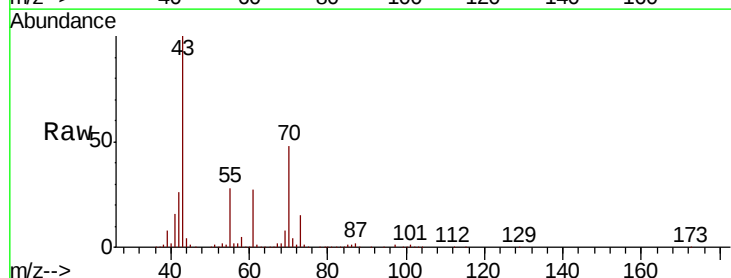
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#74
N-ethyl acetate
Concen: 18.72 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. 0.01 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Tgt Ion: 43 Resp: 139655
Ion Ratio Lower Upper
43 100
70 47.5 37.4 56.0
55 28.5 21.8 32.8
61 26.1 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.66 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004403.D

Acq: 07 Sep 2018 12:58

Instrument :

MSVOA_X

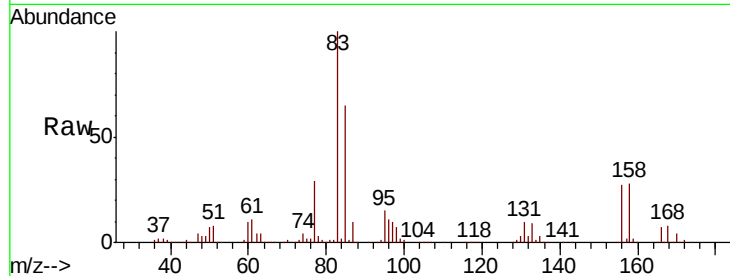
ClientSampleId :

VX0907WBS01

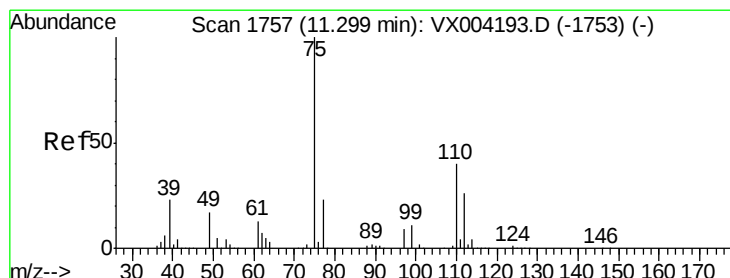
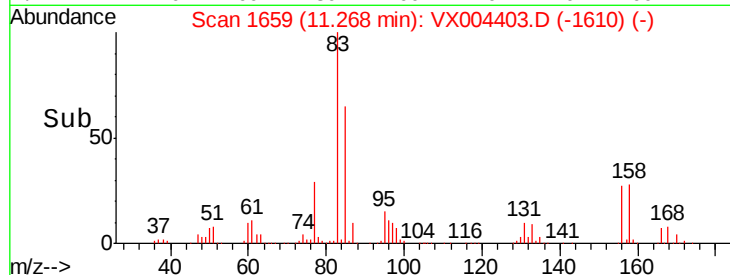
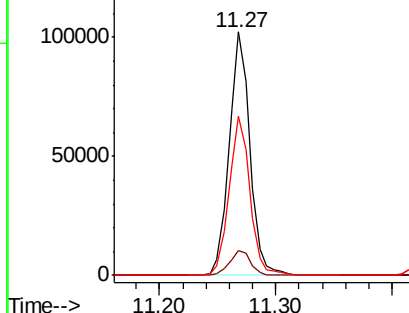
Tot Ion:	83	Resp:	126523
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	65.6	32.3	96.8

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



#76

1,2,3-Trichloropropane

Concen: 19.78 ug/l m

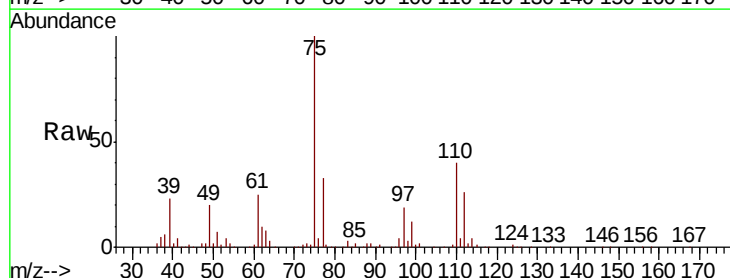
RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

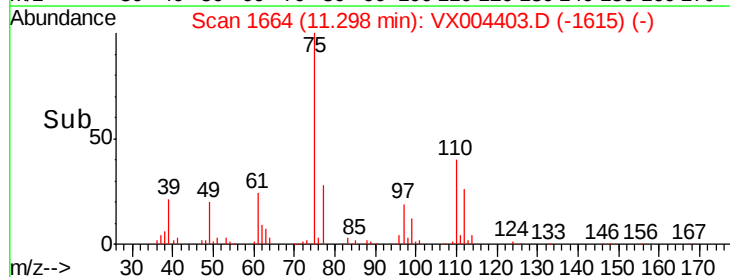
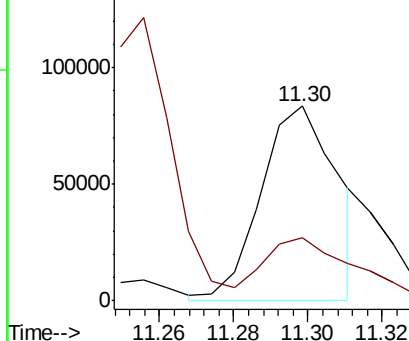
Lab File: VX004403.D

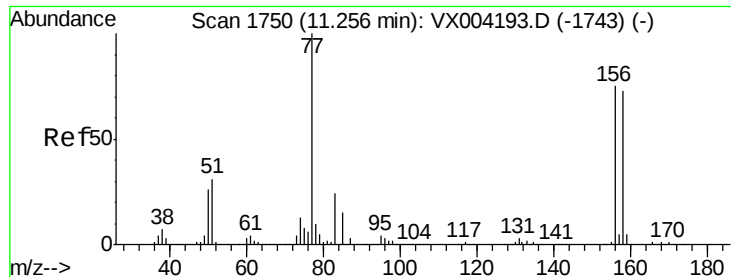
Acq: 07 Sep 2018 12:58

Tgt Ion:	75	Resp:	118651
Ion Ratio	Lower	Upper	
75	100		
77	38.8	20.2	60.6



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





#77

Bromobenzene

Concen: 19.58 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004403.D

Acq: 07 Sep 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS01

Tot Ion:156 Resp: 106387

Ion Ratio Lower Upper

156 100

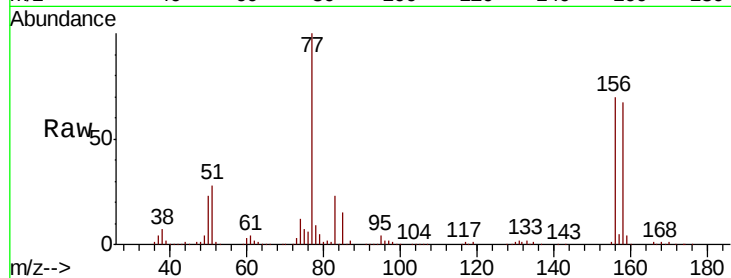
77 148.0 71.5 214.3

158 97.8 48.9 146.8

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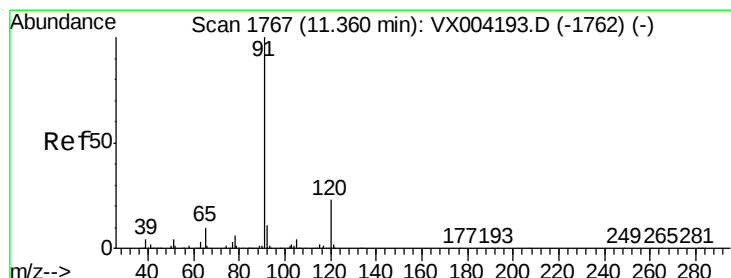
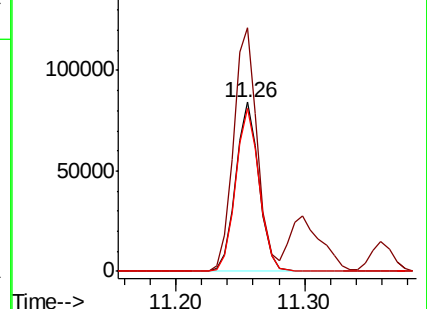
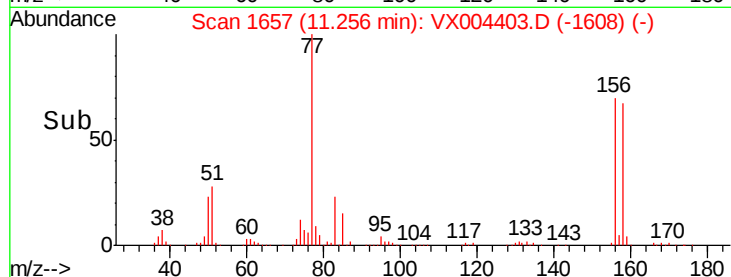
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.41 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004403.D

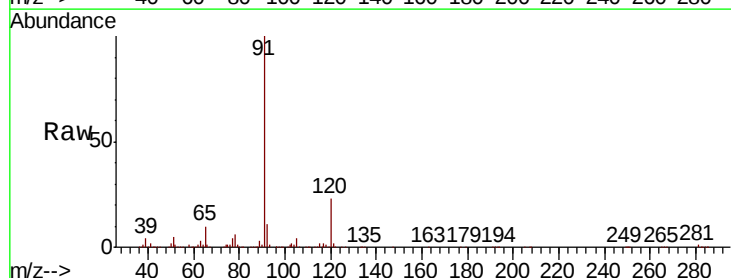
Acq: 07 Sep 2018 12:58

Tgt Ion: 91 Resp: 454805

Ion Ratio Lower Upper

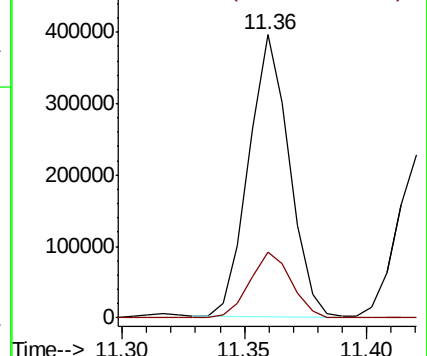
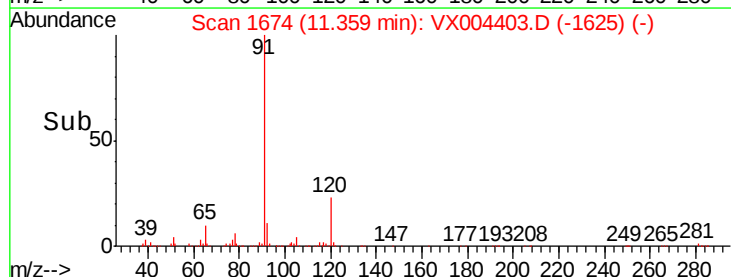
91 100

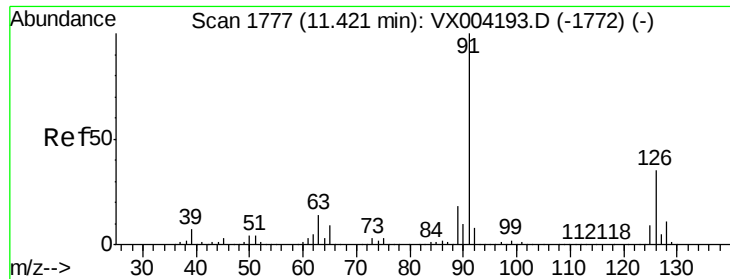
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.16 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004403.D

Acq: 07 Sep 2018 12:58

Instrument :

MSVOA_X

ClientSampled :

VX0907WBS01

Tot Ion: 91 Resp: 276444

Ion Ratio Lower Upper

91 100

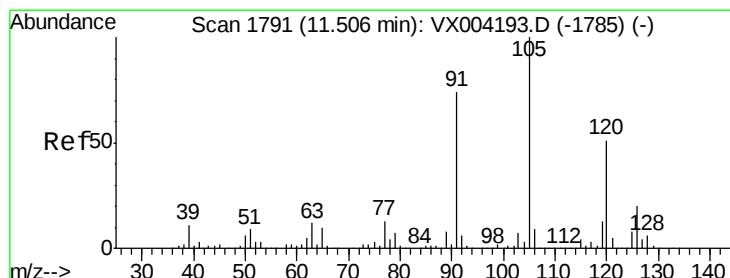
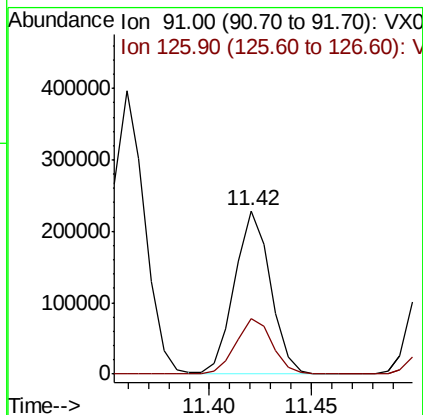
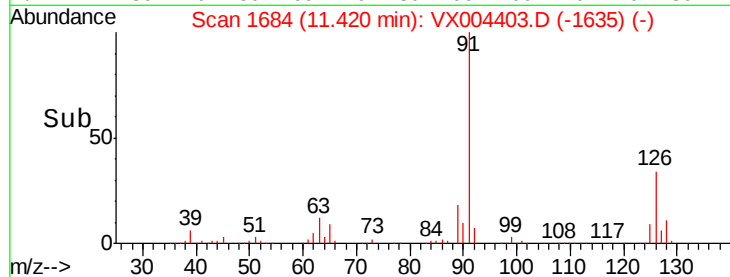
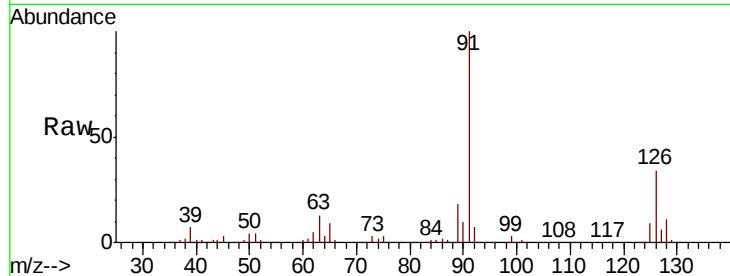
126 34.9 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 20.52 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004403.D

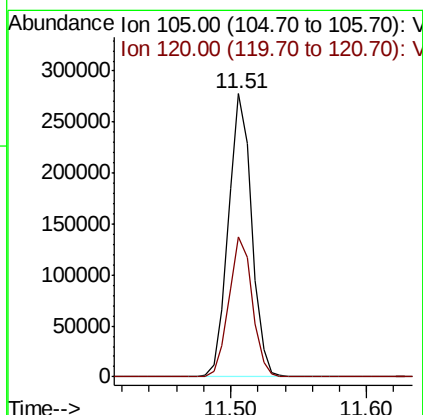
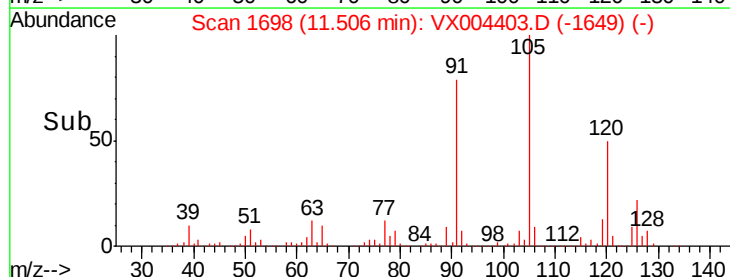
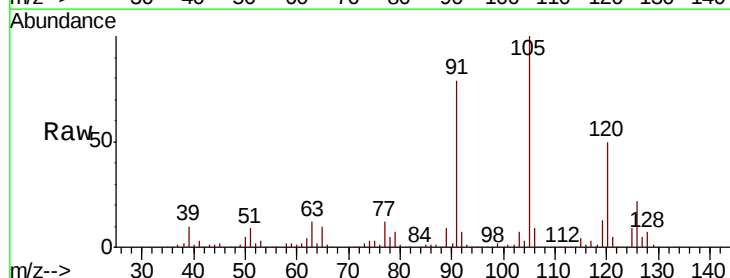
Acq: 07 Sep 2018 12:58

Tgt Ion: 105 Resp: 329114

Ion Ratio Lower Upper

105 100

120 50.0 25.6 76.8





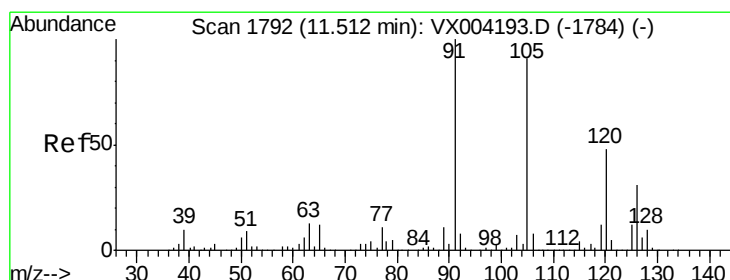
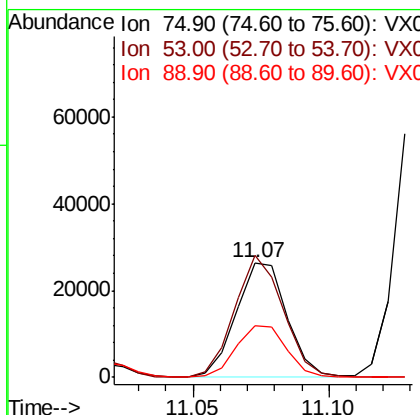
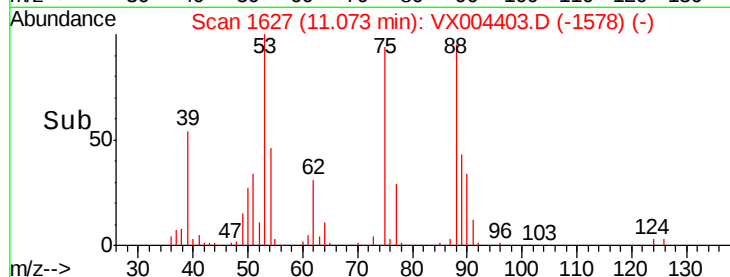
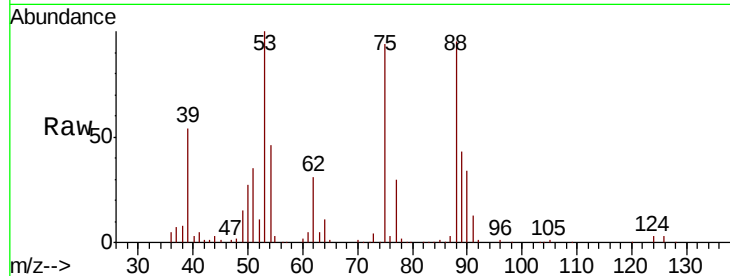
#81
trans-1,4-Dichloro-2-butene
Concen: 18.33 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.8	80.1	120.1
89	45.8	37.2	55.8

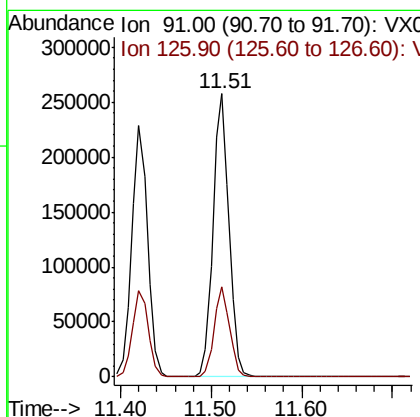
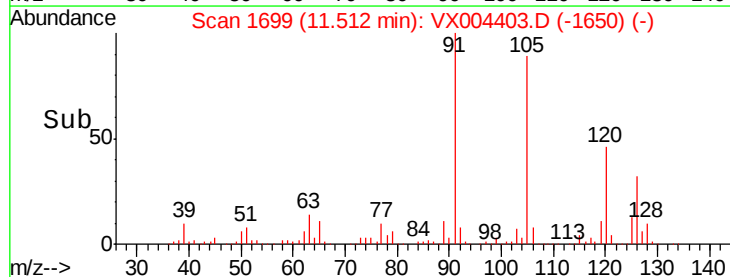
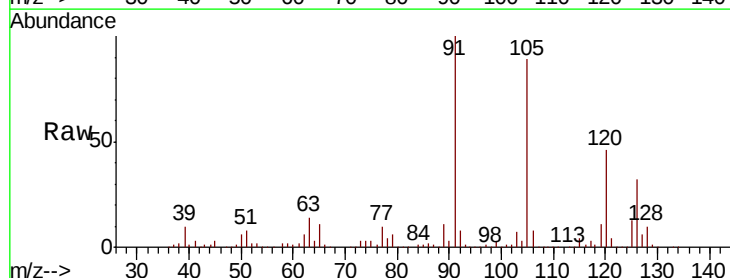
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#82
4-Chlorotoluene
Concen: 19.84 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.5	46.5





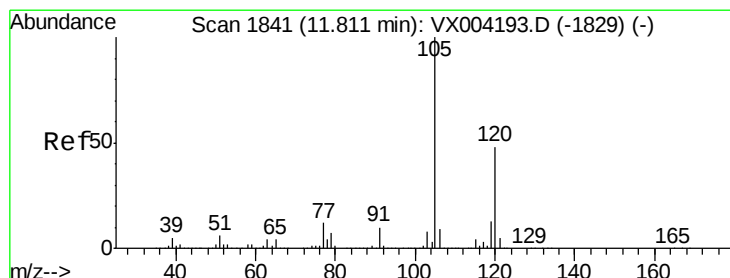
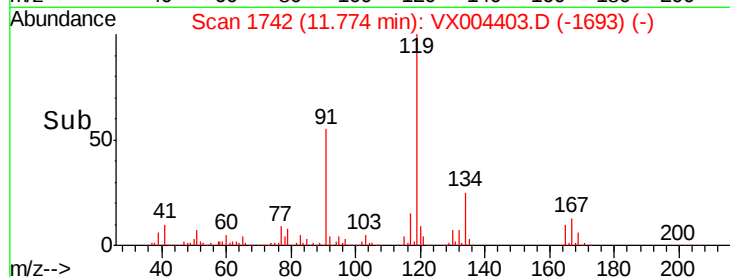
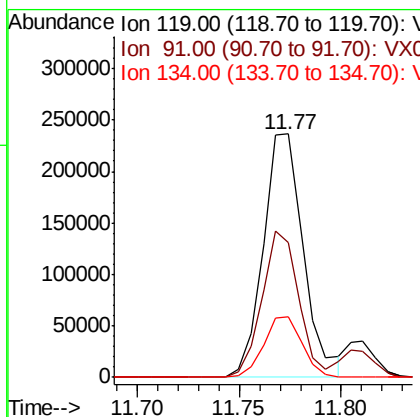
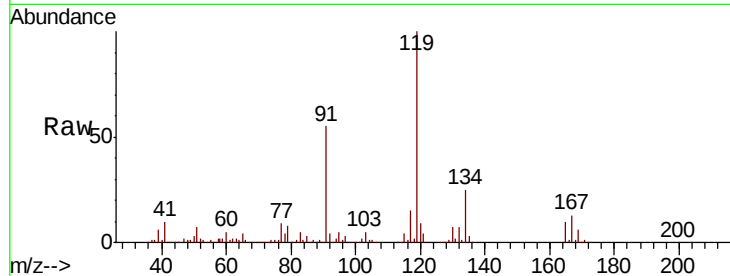
#83
 tert-Butylbenzene
 Concen: 20.13 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004403.D
 Acq: 07 Sep 2018 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.8	27.0	81.0
134	24.1	11.7	35.1

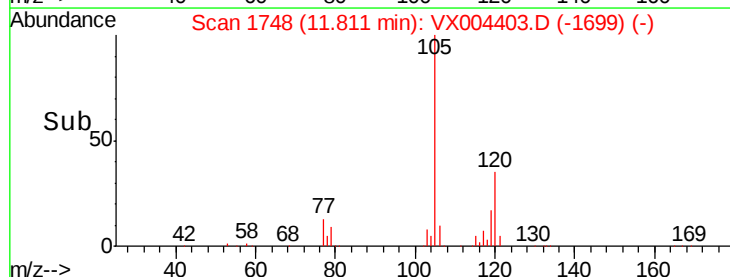
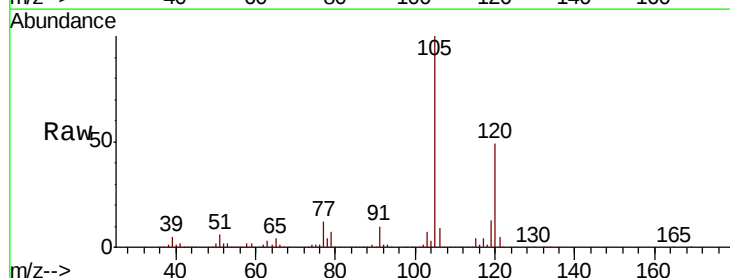
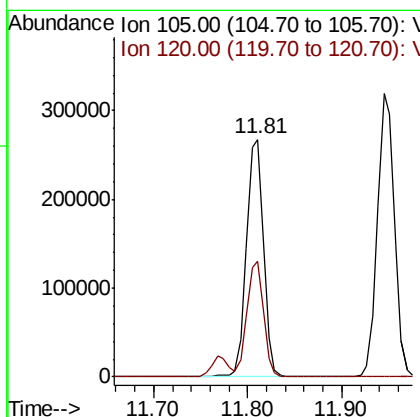
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.60 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004403.D
 Acq: 07 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.2	69.6





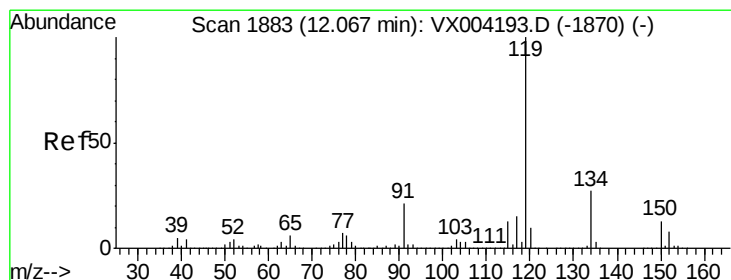
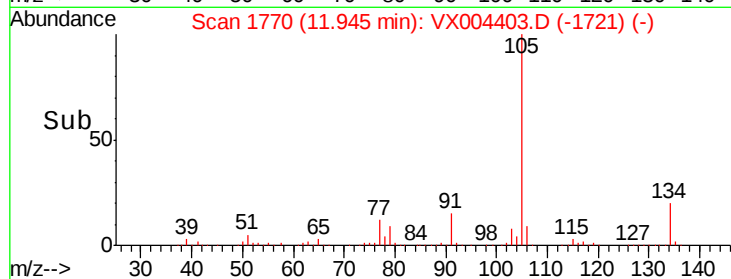
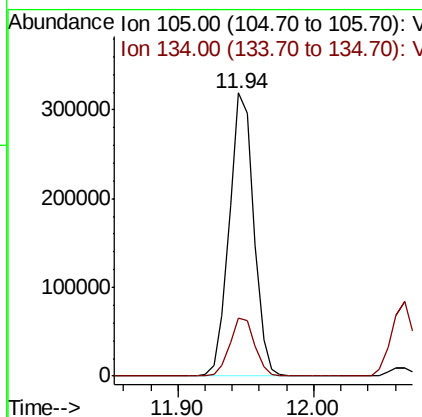
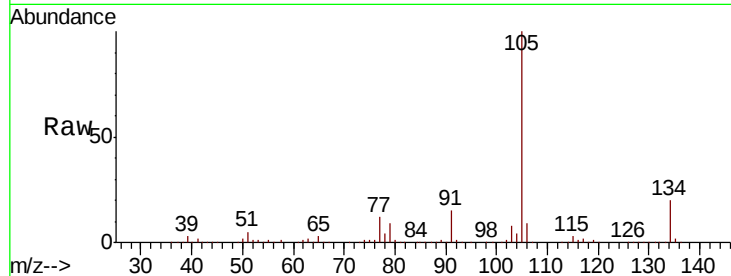
#85
 sec-Butylbenzene
 Concen: 20.75 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX004403.D
 Acq: 07 Sep 2018 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.5	31.5

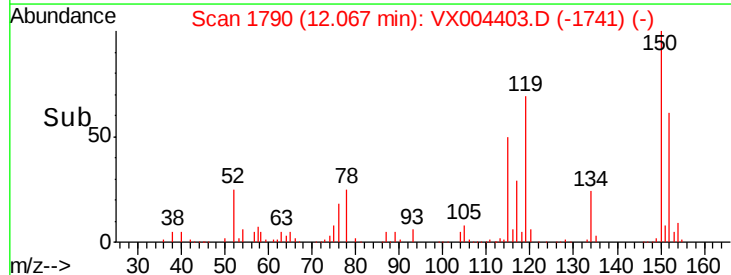
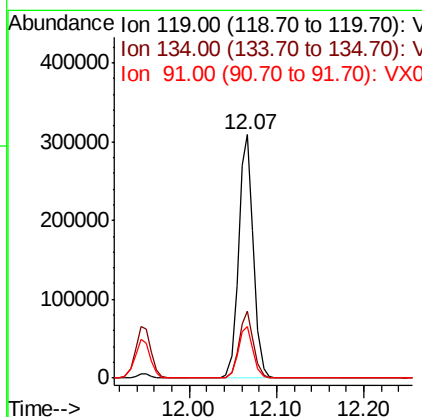
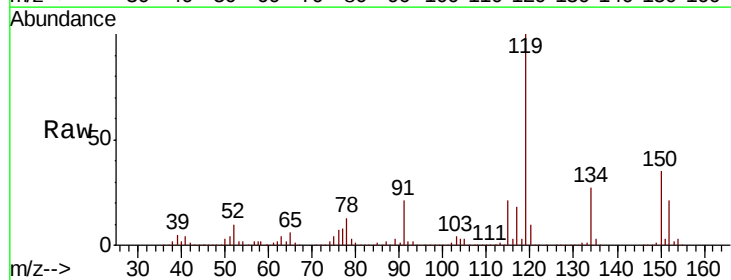
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#86
 p-Isopropyltoluene
 Concen: 21.23 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX004403.D
 Acq: 07 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.4	40.2
91	21.8	10.9	32.7





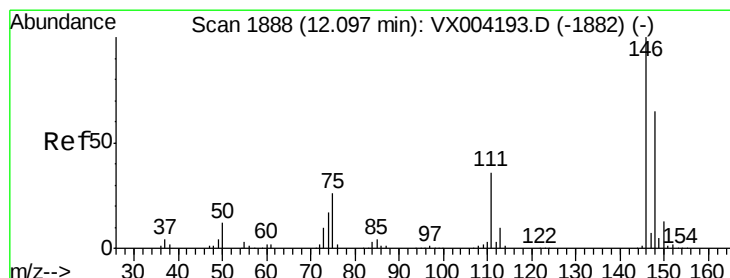
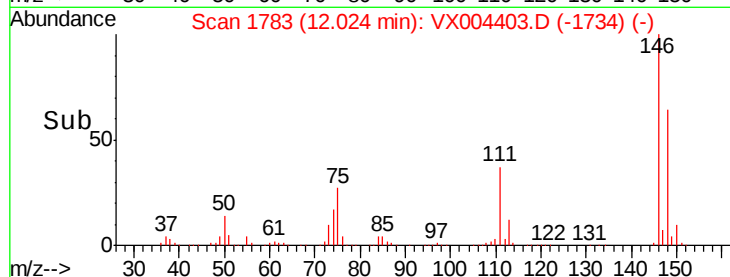
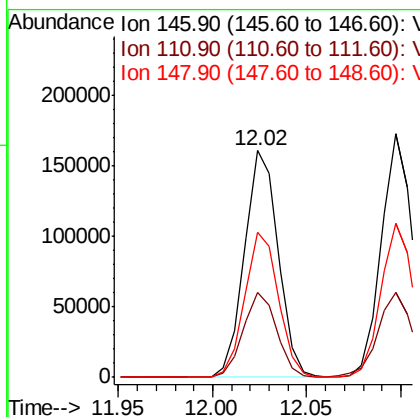
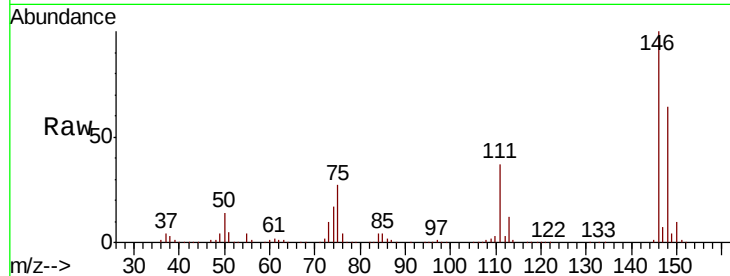
#87
 1,3-Dichlorobenzene
 Concen: 19.57 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX004403.D
 Acq: 07 Sep 2018 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.7	56.1
148	63.9	32.1	96.5

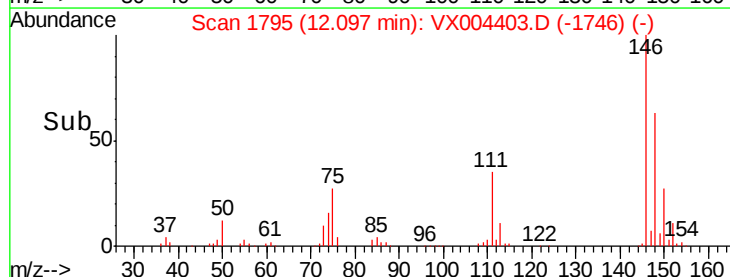
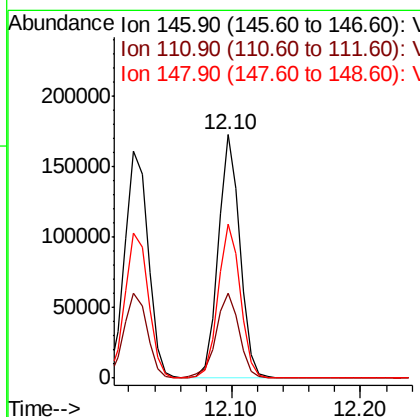
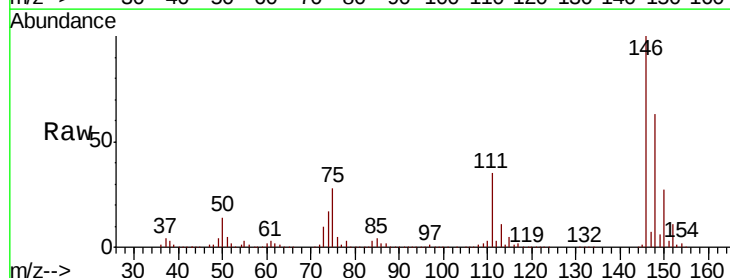
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#88
 1,4-Dichlorobenzene
 Concen: 19.00 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004403.D
 Acq: 07 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.1	54.1
148	64.7	32.0	96.0





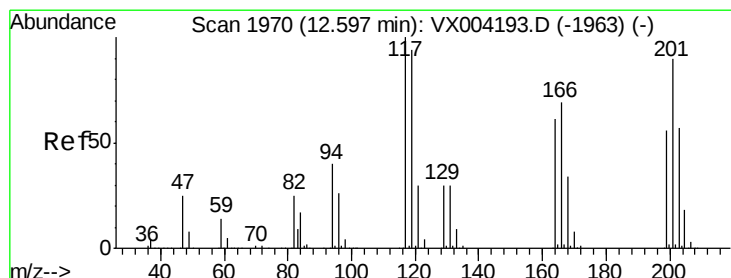
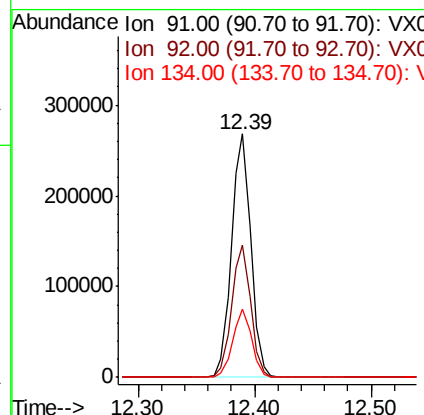
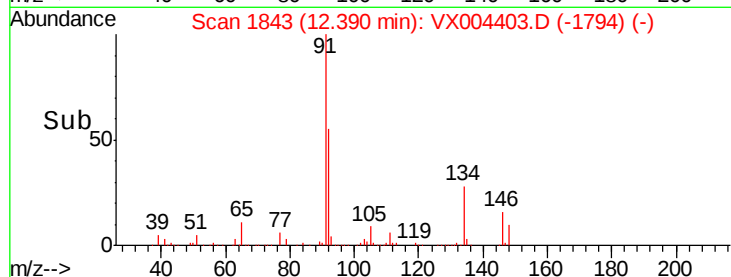
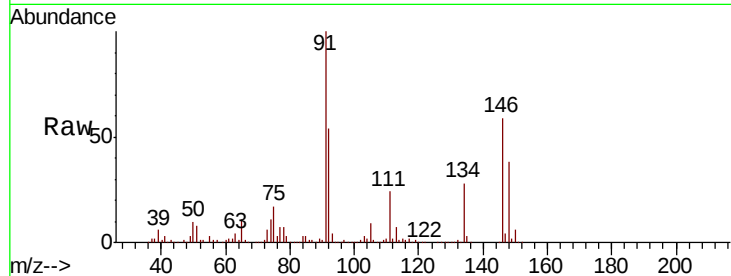
#89
n-Butylbenzene
Concen: 22.07 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.3	81.9
134	27.3	13.6	40.7

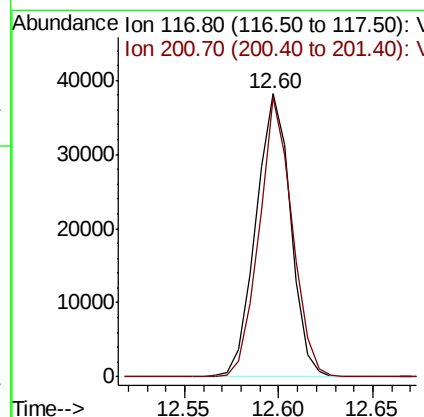
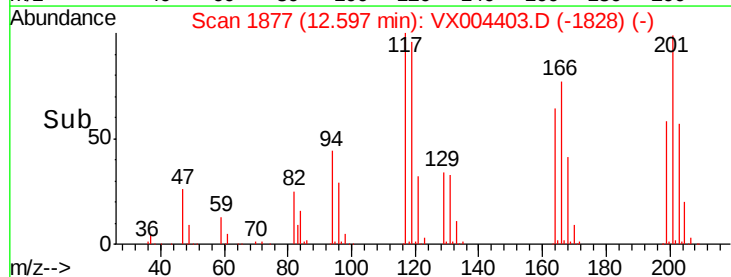
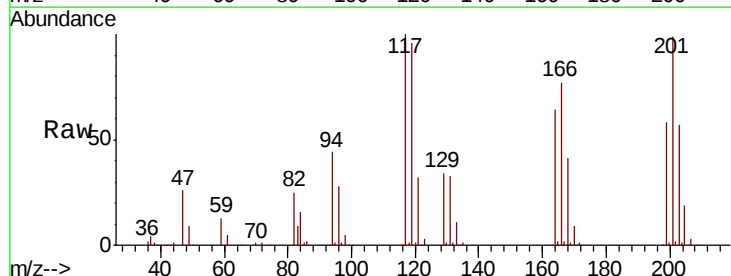
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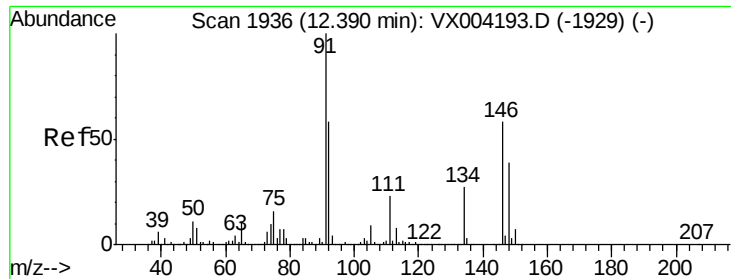
MMDadoda
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#90
Hexachloroethane
Concen: 20.25 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.8	46.9	140.6





#91

1,2-Dichlorobenzene

Concen: 21.48 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX004403.D

Acq: 07 Sep 2018 12:58

Instrument :

MSVOA_X

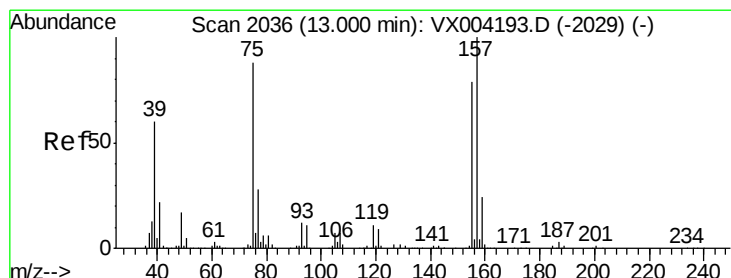
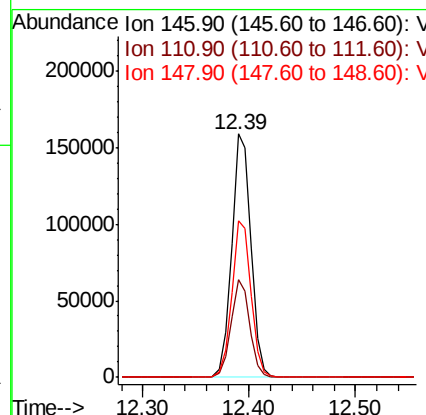
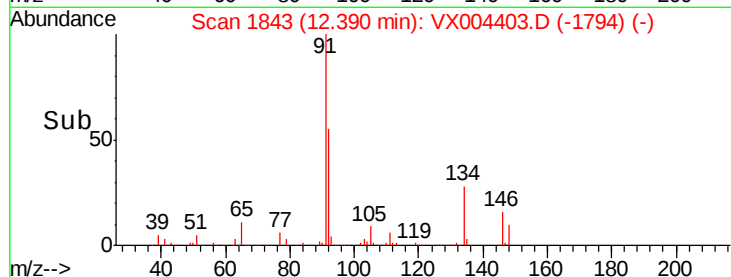
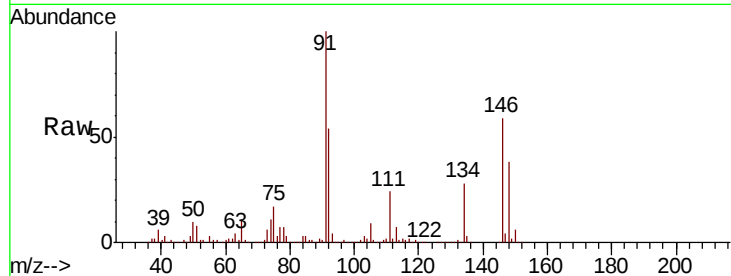
ClientSampleId :

VX0907WBS01

Tot Ion:	146	Resp:	200853
Ion Ratio	Lower	Upper	
146	100		
111	38.9	19.4	58.1
148	64.1	32.8	98.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.70 ug/l

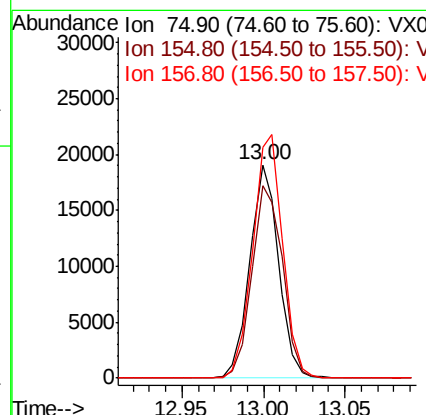
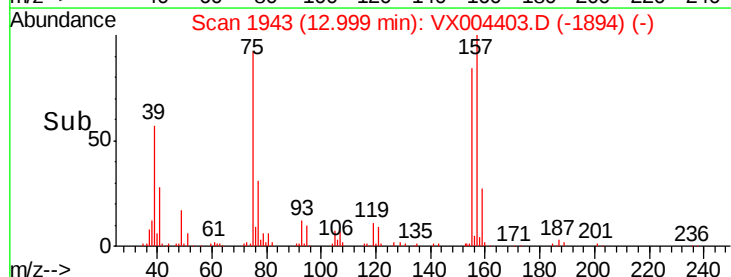
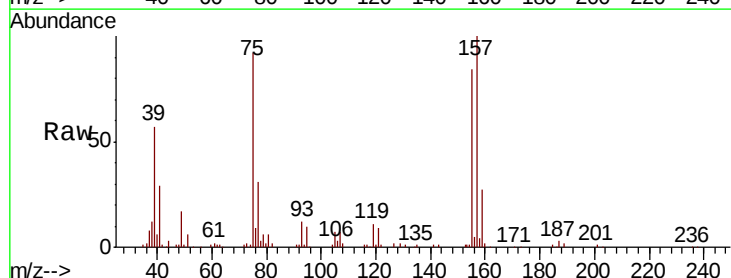
RT: 13.00 min Scan# 1943

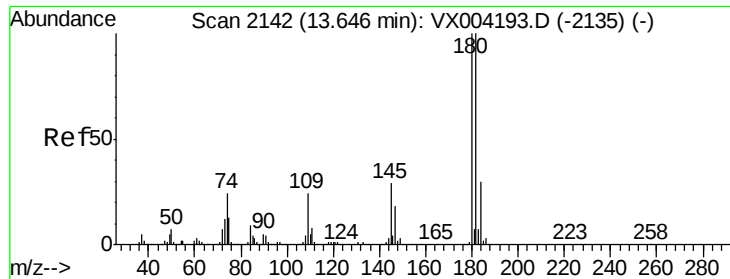
Delta R.T. -0.00 min

Lab File: VX004403.D

Acq: 07 Sep 2018 12:58

Tgt Ion:	75	Resp:	23521
Ion Ratio	Lower	Upper	
75	100		
155	95.9	48.0	144.2
157	118.5	61.4	184.1





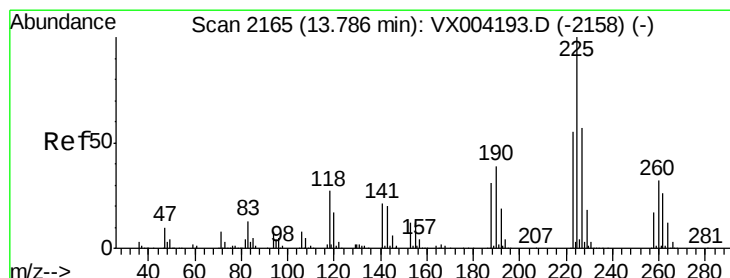
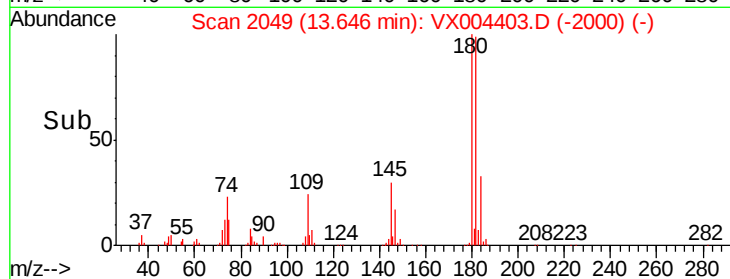
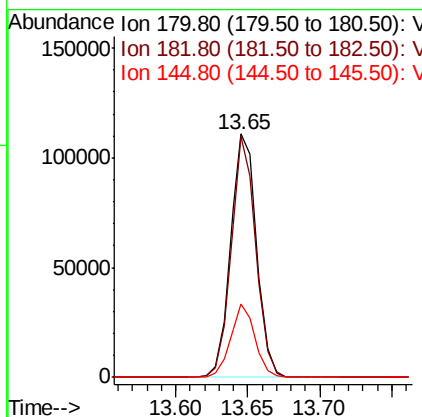
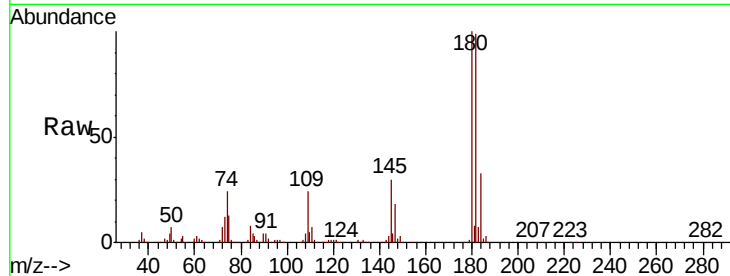
#93
 1,2,4-Trichlorobenzene
 Concen: 20.49 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004403.D
 Acq: 07 Sep 2018 12:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	139374		
182	94.0	48.4	145.0	
145	28.3	14.3	42.9	

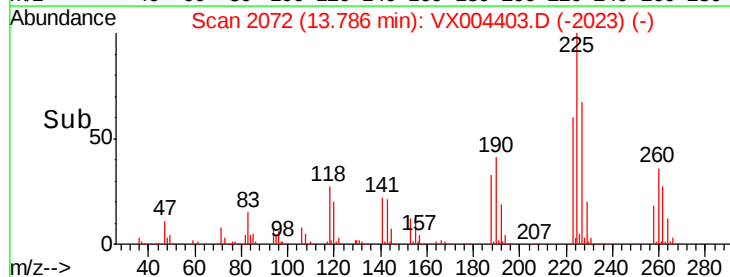
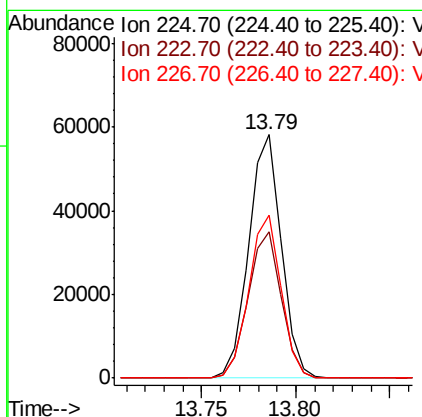
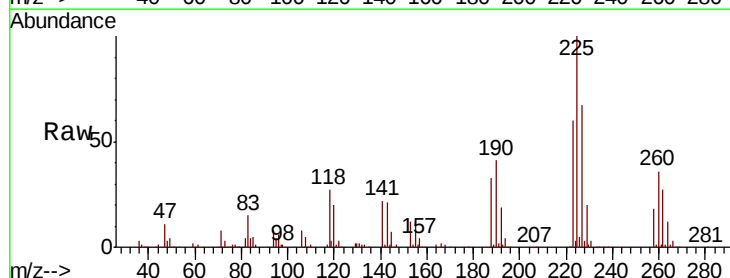
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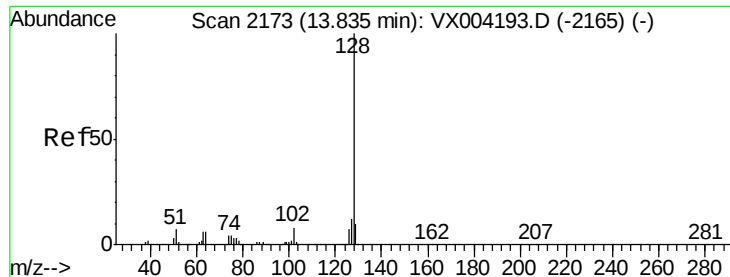
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#94
 Hexachlorobutadiene
 Concen: 21.93 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004403.D
 Acq: 07 Sep 2018 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	69668		
223	61.3	30.1	90.5	
227	66.3	30.8	92.4	





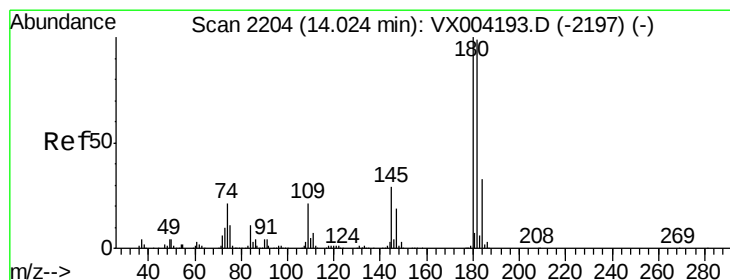
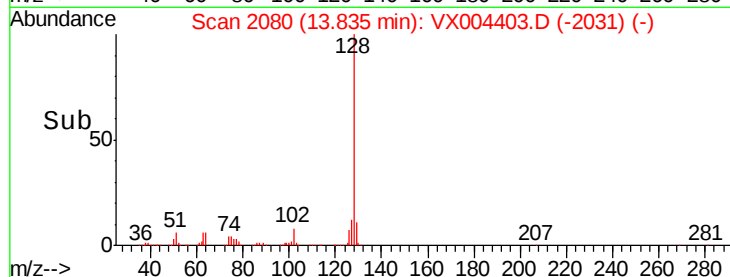
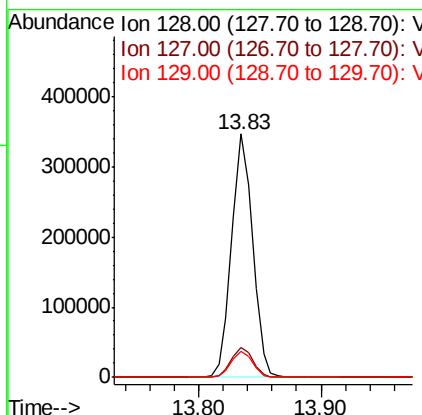
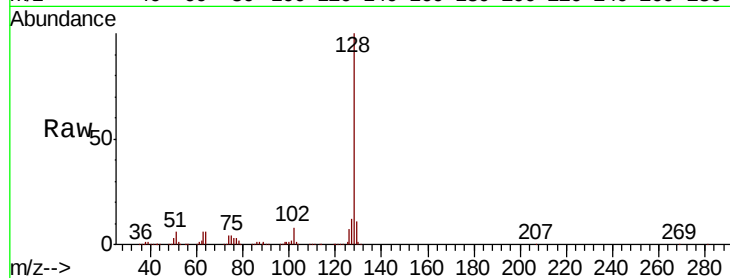
#95
Naphthalene
Concen: 21.41 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/10/2018 11:15:26 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.77 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004403.D
Acq: 07 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.5	145.6
145	29.3	14.9	44.9

