

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006631.D
 Acq On : 19 Dec 2018 06:58
 Operator : JC/MD
 Sample : J6408-10MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA.PZ135I-20181208MS

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 11:22:59 AM

Quant Time: Dec 19 07:46:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:23:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	485641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	813180	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	760238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	390586	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	266779	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
35) Dibromofluoromethane	5.50	113	244958	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
50) Toluene-d8	8.71	98	878433	45.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.62%	
62) 4-Bromofluorobenzene	11.13	95	342973	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	204942	46.129	ug/l	99
3) Chloromethane	1.33	50	251445	52.533	ug/l	96
4) Vinyl Chloride	1.41	62	267161	53.443	ug/l	98
5) Bromomethane	1.64	94	257094	55.315	ug/l	99
6) Chloroethane	1.72	64	174294	50.354	ug/l	97
7) Trichlorofluoromethane	1.93	101	414974	53.244	ug/l	99
8) Diethyl Ether	2.19	74	169006	54.596	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	220036	48.083	ug/l	98
10) Methyl Iodide	2.51	142	393956	60.141	ug/l	99
11) Tert butyl alcohol	3.07	59	370045	316.794	ug/l	97
12) 1,1-Dichloroethene	2.37	96	231487	53.350	ug/l	93
13) Acrolein	2.29	56	179395	227.658	ug/l	99
14) Allyl chloride	2.73	41	357975	49.013	ug/l	98
15) Acrylonitrile	3.15	53	747235	288.115	ug/l	99
16) Acetone	2.45	43	648279	269.591	ug/l	97
17) Carbon Disulfide	2.57	76	542209	47.219	ug/l	99
18) Methyl Acetate	2.78	43	308090	43.572	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	815269	56.610	ug/l	97
20) Methylene Chloride	2.85	84	268172	53.932	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	248167	51.619	ug/l	91
22) Diisopropyl ether	3.87	45	748680	56.032	ug/l	97
23) Vinyl Acetate	3.82	43	2013006	184.183	ug/l	100
24) 1,1-Dichloroethane	3.70	63	428666	53.743	ug/l	99
25) 2-Butanone	4.70	43	929587	274.824	ug/l	99
26) 2,2-Dichloropropane	4.59	77	115898	18.810	ug/l	86
27) cis-1,2-Dichloroethene	4.60	96	288818	54.449	ug/l	93
28) Bromochloromethane	5.02	49	180494	53.823	ug/l	97
29) Tetrahydrofuran	5.15	42	639996	287.276	ug/l	98
30) Chloroform	5.21	83	463746	56.145	ug/l	97
31) Cyclohexane	5.57	56	365770	50.477	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	382007	54.772	ug/l	98
36) 1,1-Dichloropropene	5.80	75	331161	49.170	ug/l	99
37) Ethyl Acetate	4.86	43	261591	37.317	ug/l	99
38) Carbon Tetrachloride	5.78	117	322417	49.259	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	368628	41.574	ug/l	98
40) Benzene	6.14	78	1034906	50.552	ug/l	99
41) Methacrylonitrile	5.06	41	201382	51.122	ug/l	99
42) 1,2-Dichloroethane	6.20	62	351511	50.389	ug/l	99
43) Isopropyl Acetate	6.46	43	462226	43.337	ug/l	99
44) Trichloroethene	7.21	130	297822	48.065	ug/l	98
45) 1,2-Dichloropropane	7.51	63	258710	51.930	ug/l	98
46) Dibromomethane	7.66	93	186482	50.890	ug/l	94
47) Bromodichloromethane	7.90	83	313655	51.556	ug/l	100
48) Methyl methacrylate	7.77	41	294554	54.306	ug/l	99
49) 1,4-Dioxane	7.75	88	154479	1090.335	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1864180	274.694	ug/l	98
52) Toluene	8.79	92	680609	51.460	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	285122	43.698	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	330238	46.127	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	283761	52.416	ug/l	97
56) Ethyl methacrylate	9.18	69	413970	54.104	ug/l	98
57) 1,3-Dichloropropane	9.37	76	453690	52.089	ug/l	98
59) 2-Hexanone	9.49	43	1423598	274.170	ug/l	100
60) Dibromochloromethane	9.59	129	270129	47.816	ug/l	100
61) 1,2-Dibromoethane	9.67	107	307900	53.503	ug/l	99
64) Tetrachloroethene	9.34	164	274899	45.665	ug/l	98
65) Chlorobenzene	10.14	112	794838	49.419	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	265599	52.929	ug/l	99
67) Ethyl Benzene	10.25	91	1305270	49.665	ug/l	100
68) m/p-Xylenes	10.36	106	1037765	100.068	ug/l	100
69) o-Xylene	10.70	106	518349	50.616	ug/l	99
70) Stvrene	10.71	104	838620	51.762	ug/l	99
71) Bromoform	10.86	173	193830	43.463	ug/l #	99
73) Isopropylbenzene	11.02	105	1346335	50.385	ug/l	100
74) N-amyl acetate	10.90	43	352482	36.853	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	427370	53.779	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	382248m	55.838	ug/l	
77) Bromobenzene	11.26	156	369130	51.097	ug/l	96
78) n-propylbenzene	11.36	91	1466938	49.854	ug/l	100
79) 2-Chlorotoluene	11.42	91	891287	49.983	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1120516	50.912	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	70708	31.368	ug/l #	75
82) 4-Chlorotoluene	11.51	91	1027352	50.227	ug/l	99
83) tert-Butylbenzene	11.77	119	1151499	52.275	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	1144712	49.448	ug/l	99
85) sec-Butylbenzene	11.94	105	1345073	49.805	ug/l	99
86) p-Isopropyltoluene	12.07	119	1178935	49.660	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	650386	49.954	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	645283	48.290	ug/l	100
89) n-Butylbenzene	12.39	91	936399	46.347	ug/l	99
90) Hexachloroethane	12.60	117	171509	46.414	ug/l	91
91) 1,2-Dichlorobenzene	12.39	146	648061	49.759	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	83847	50.992	ug/l	95
93) 1,2,4-Trichlorobenzene	13.65	180	427750	47.613	ug/l	99

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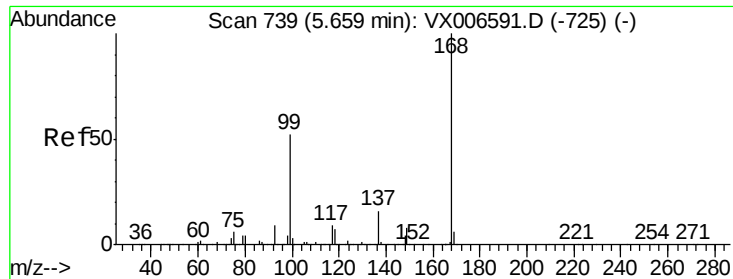
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:23:17 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	178917	42.252	ug/l	99
95) Naphthalene	13.83	128	1470351	51.279	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	444950	47.969	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ135I-20181208MS

Tot Ion:168 Resp: 485641

Ion Ratio Lower Upper

168 100

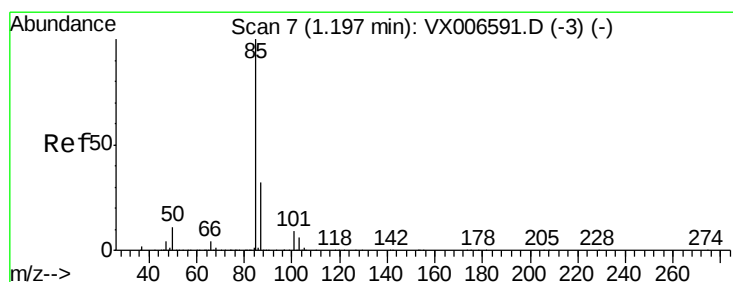
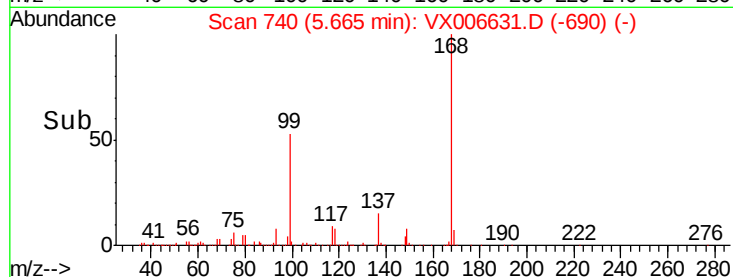
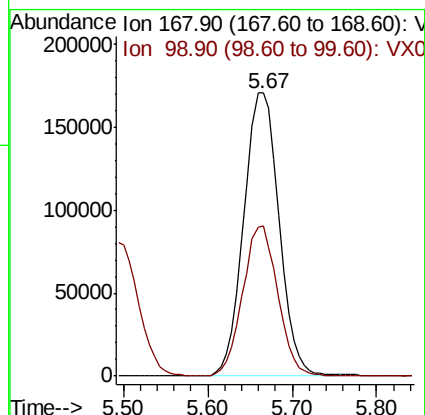
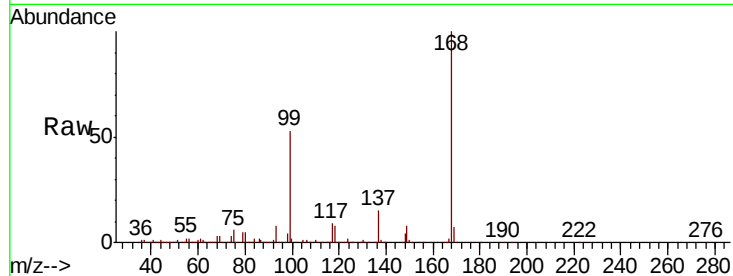
99 52.9 37.8 56.8

Manual Integrations

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12/19/2018 11:22:59 AM



#2

Dichlorodifluoromethane

Concen: 46.129 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006631.D

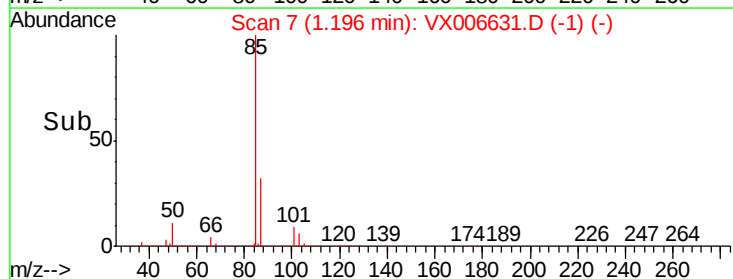
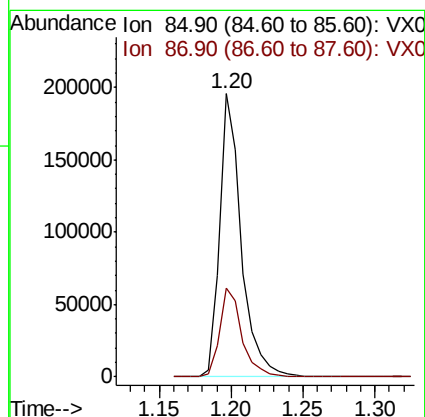
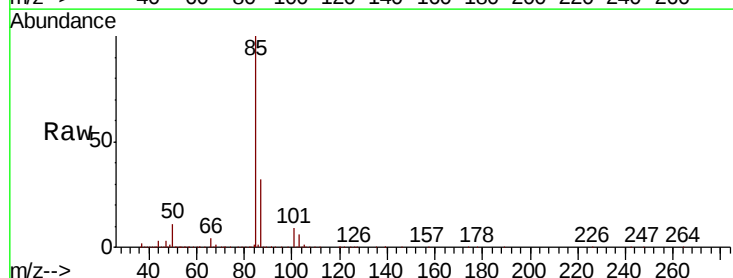
Acq: 19 Dec 2018 06:58

Tgt Ion: 85 Resp: 204942

Ion Ratio Lower Upper

85 100

87 31.5 16.1 48.2





#3

Chloromethane

Concen: 52.533 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ135I-20181208MS

Tot Ion: 50 Resp: 251445

Ion Ratio Lower Upper

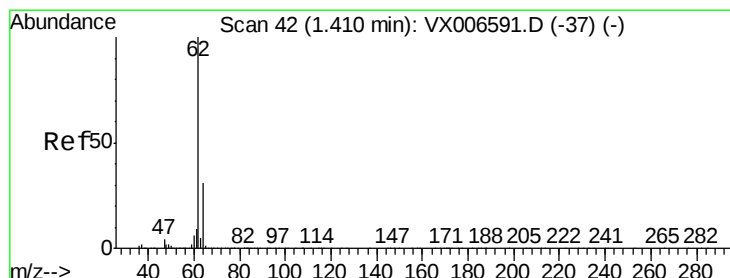
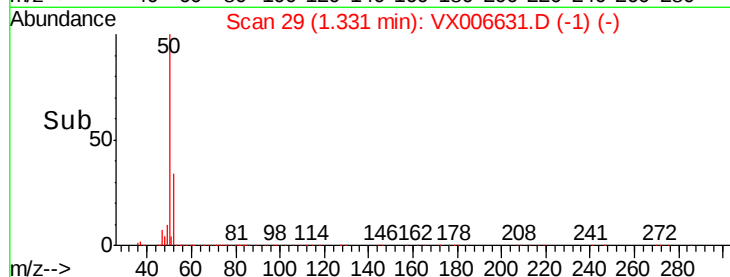
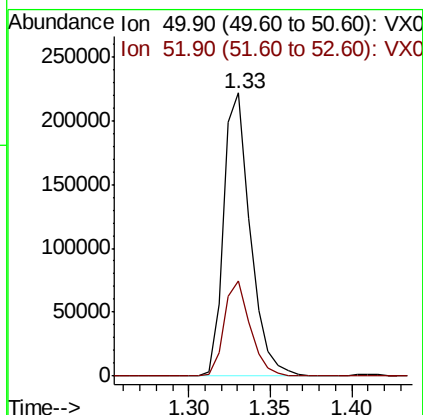
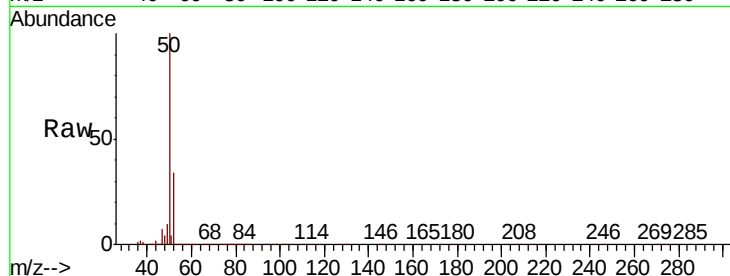
50 100

52 33.8 25.2 37.8

Manual Integrations
APPROVED

MMDadoda

12/19/2018 11:22:59 AM



#4

Vinyl Chloride

Concen: 53.443 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006631.D

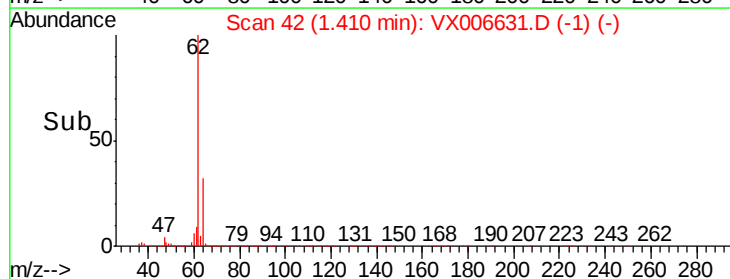
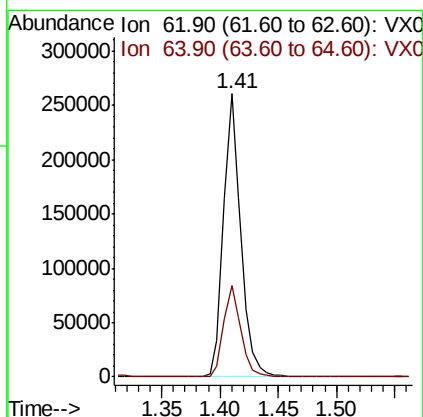
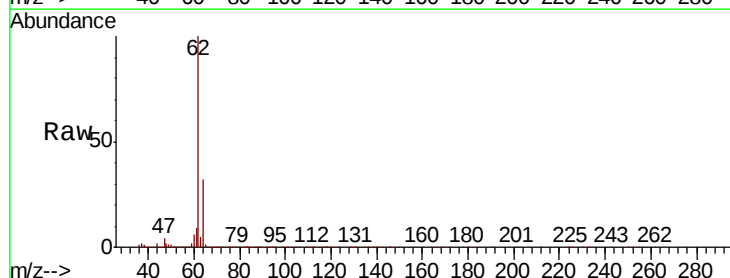
Acq: 19 Dec 2018 06:58

Tgt Ion: 62 Resp: 267161

Ion Ratio Lower Upper

62 100

64 32.0 24.9 37.3





#5

Bromomethane

Concen: 55.315 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ135I-20181208MS

Tot Ion: 94 Resp: 257094

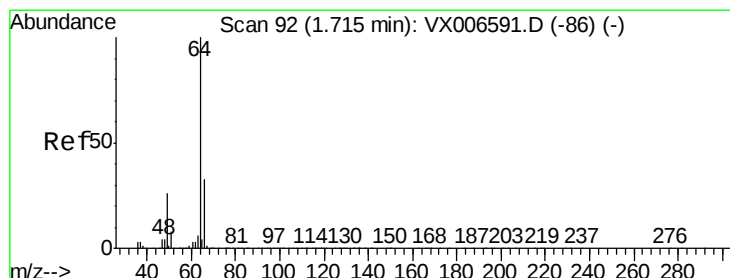
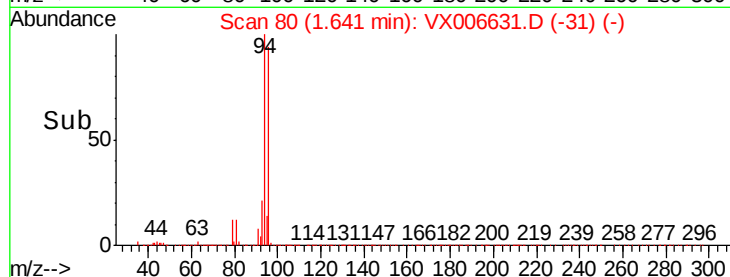
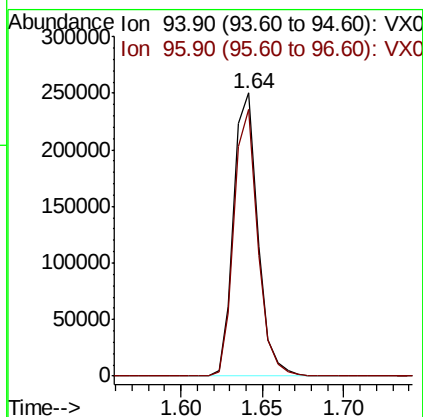
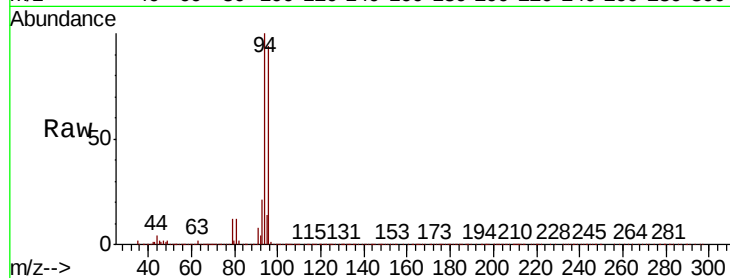
Ion Ratio Lower Upper

94 100

96 94.4 74.5 111.7

Manual Integrations
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12/19/2018 11:22:59 AM



#6

Chloroethane

Concen: 50.354 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006631.D

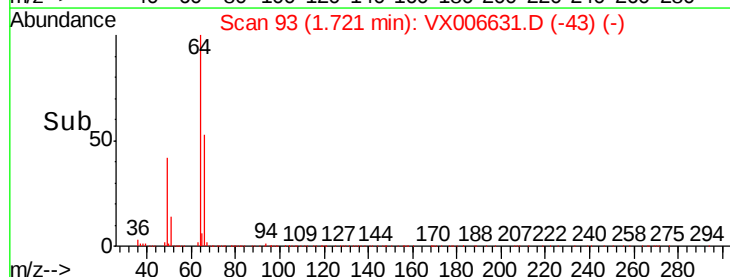
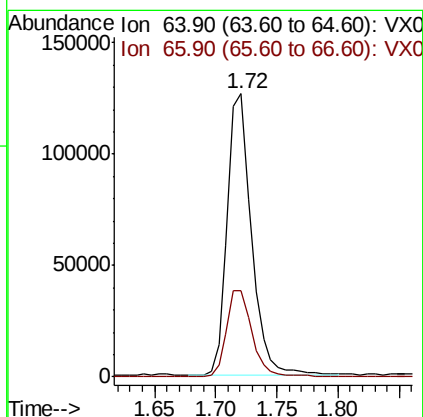
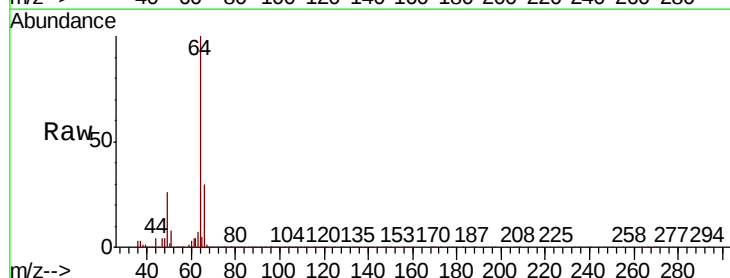
Acq: 19 Dec 2018 06:58

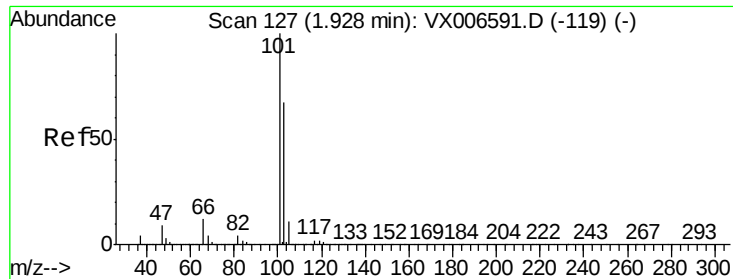
Tgt Ion: 64 Resp: 174294

Ion Ratio Lower Upper

64 100

66 30.5 25.9 38.9





#7

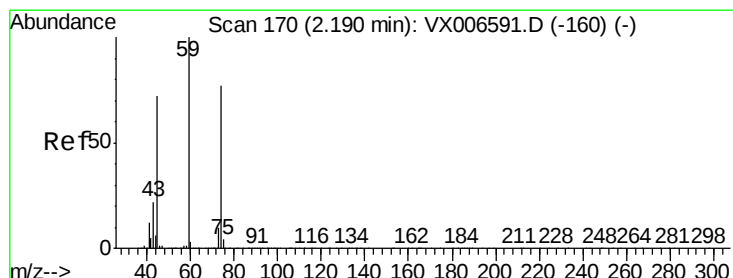
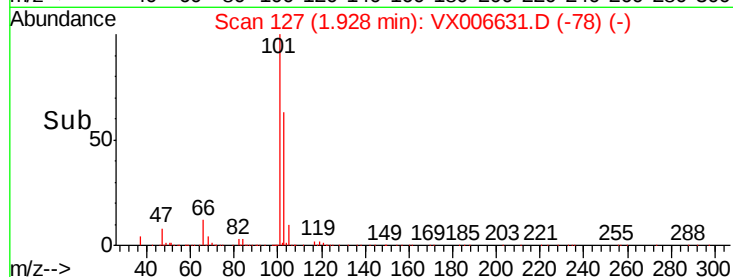
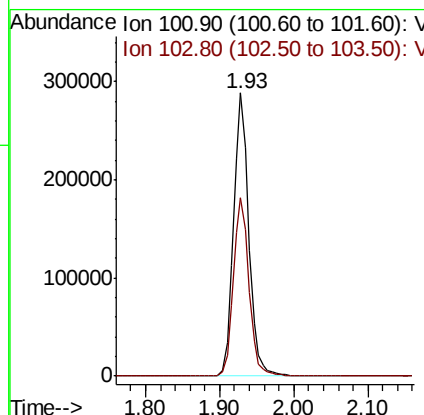
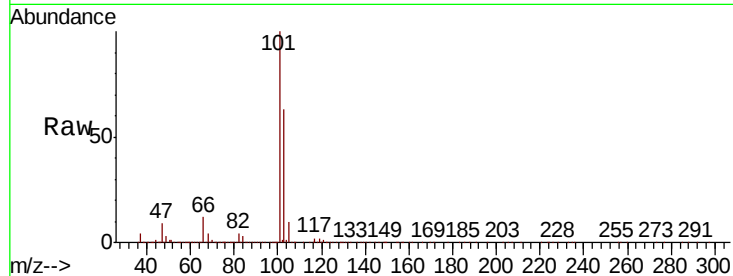
Trichlorofluoromethane
Concen: 53.244 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006631.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.0	76.4

Manual Integrations
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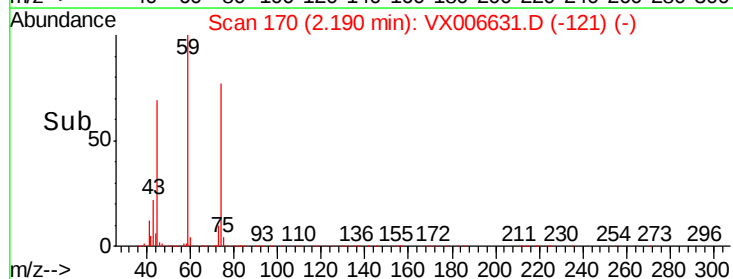
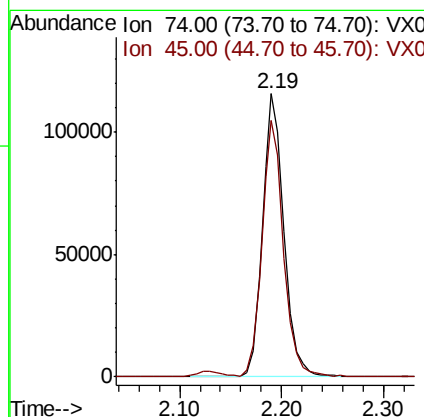
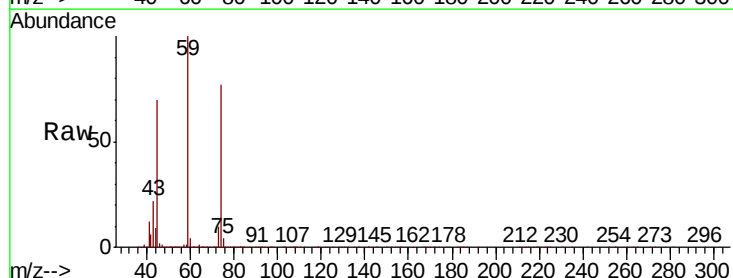
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12/19/2018 11:22:59 AM

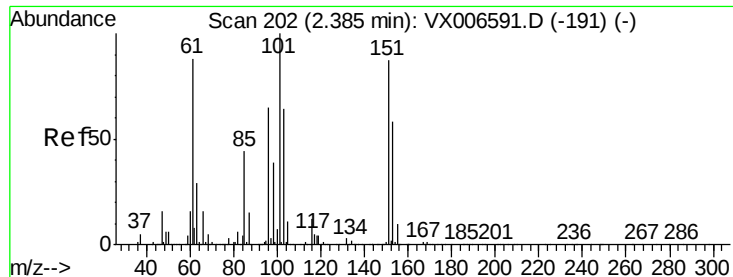


#8

Diethyl Ether
Concen: 54.596 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006631.D
Acq: 19 Dec 2018 06:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.8	49.5	148.7





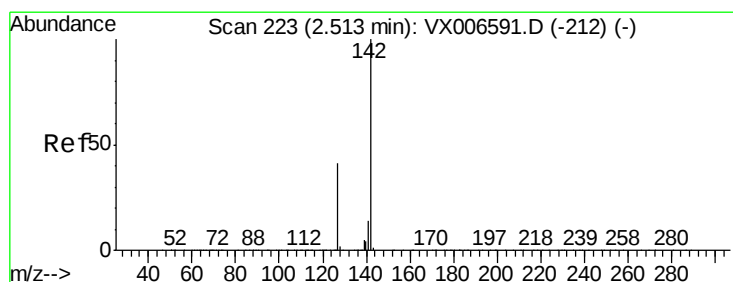
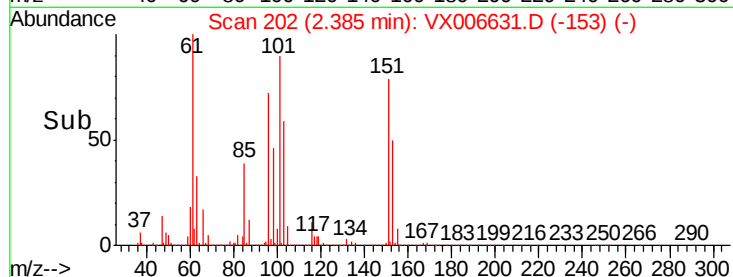
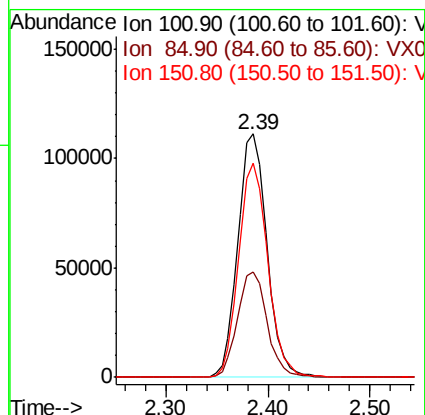
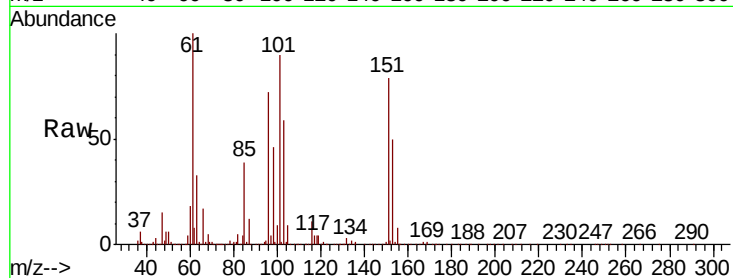
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.083 ug/l
RT: 2.39 min Scan# 202
Delta R.T. -0.00 min
Lab File: VX006631.D
Acq: 19 Dec 2018 06:58

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	220036		
85	44.3	35.5	53.3	
151	88.3	68.6	103.0	

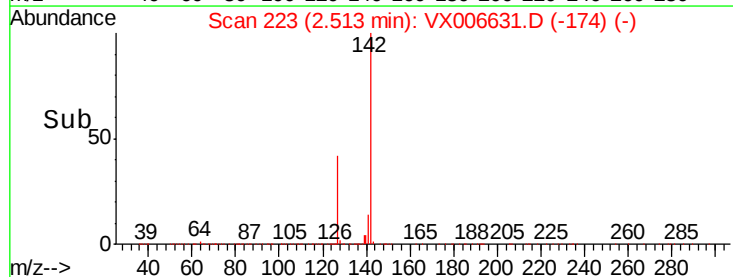
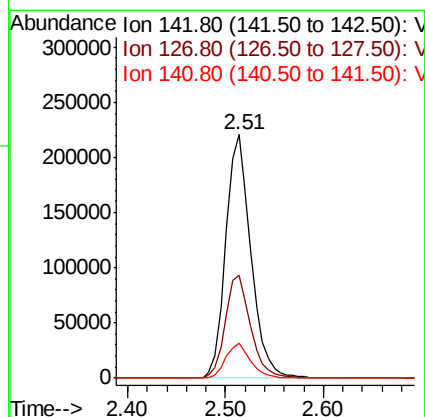
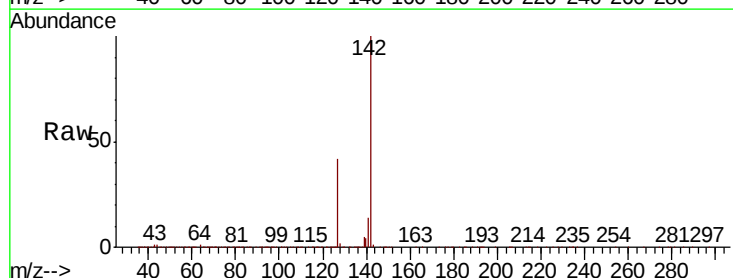
Manual Integrations
APPROVED

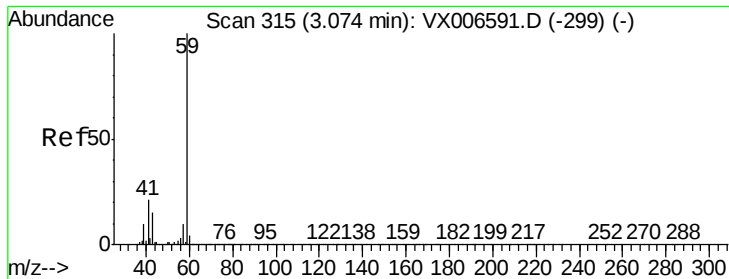
MMDadoda
12/19/2018 11:22:59 AM



#10
Methyl Iodide
Concen: 60.141 ug/l
RT: 2.51 min Scan# 223
Delta R.T. -0.00 min
Lab File: VX006631.D
Acq: 19 Dec 2018 06:58

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	393956		
127	42.4	34.8	52.2	
141	14.3	11.4	17.2	





#11

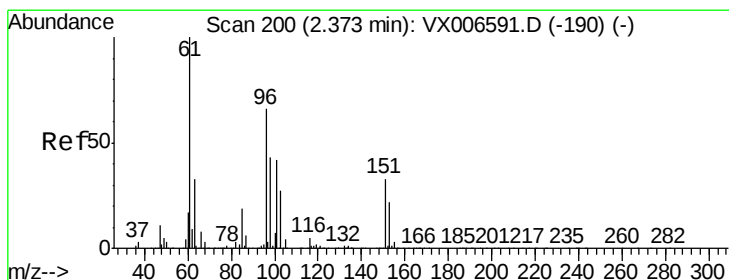
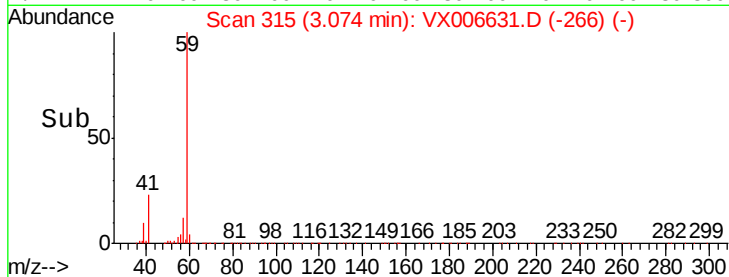
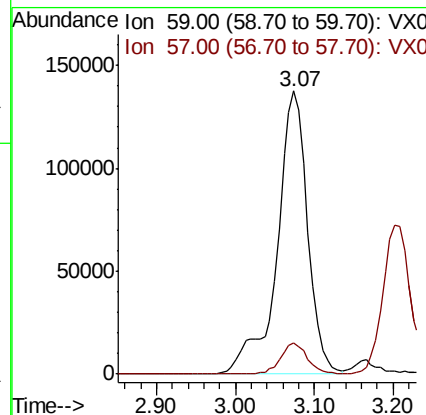
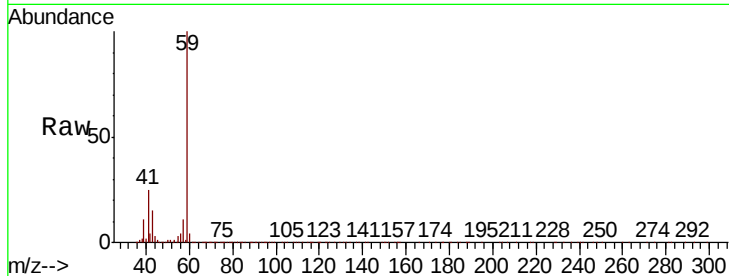
Tert butyl alcohol
Concen: 316.794 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX006631.D
Acq: 19 Dec 2018 06:58

Instrument :
MSVOA_X
ClientSampleId :
SA.PZ135I-20181208MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	8.2	12.2

Manual Integrations
APPROVED

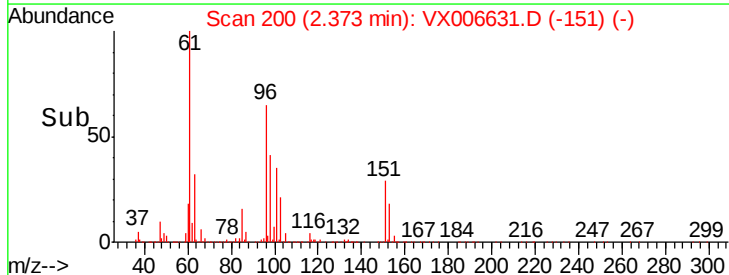
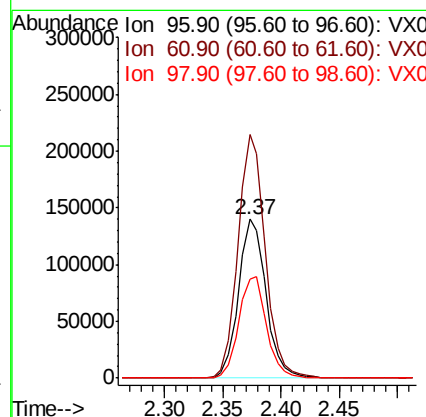
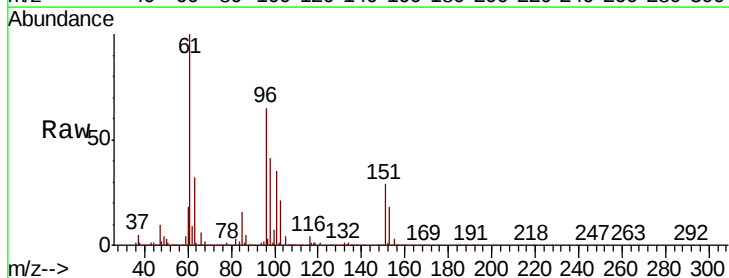
MMDadoda
12/19/2018 11:22:59 AM

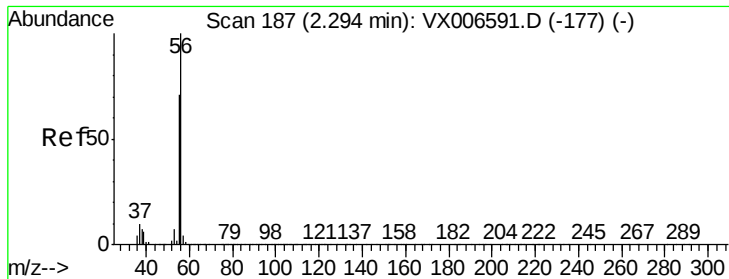


#12

1,1-Dichloroethene
Concen: 53.350 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006631.D
Acq: 19 Dec 2018 06:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.3	131.7	197.5
98	62.6	51.8	77.6





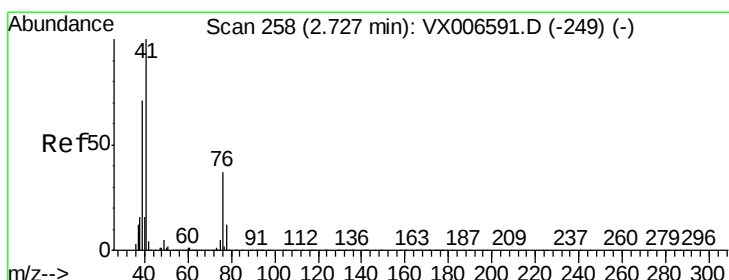
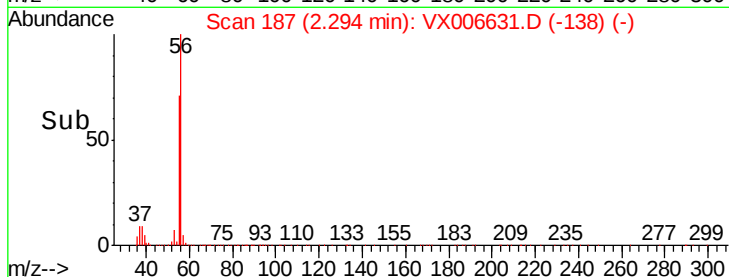
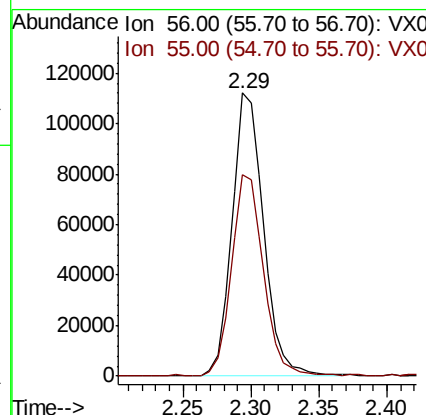
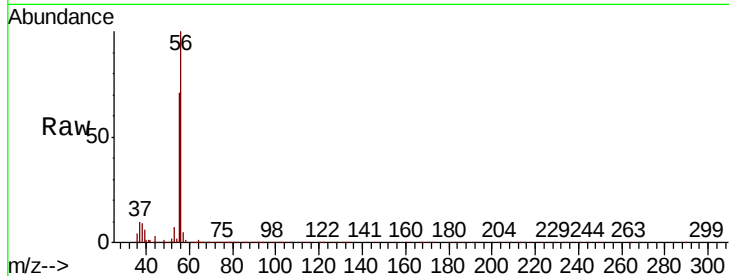
#13
Acrolein
Concen: 227.658 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX006631.D
Acq: 19 Dec 2018 06:58

Instrument :
MSVOA_X
ClientSampleId :
SA.PZ135I-20181208MS

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.7	57.8	86.6

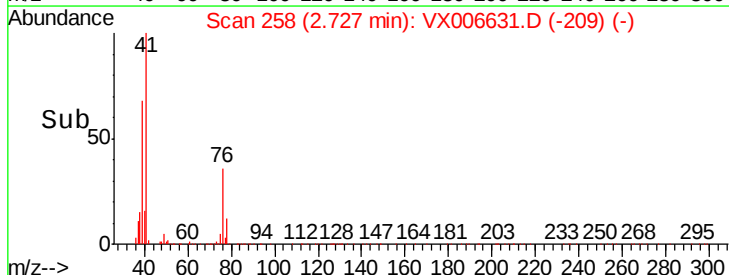
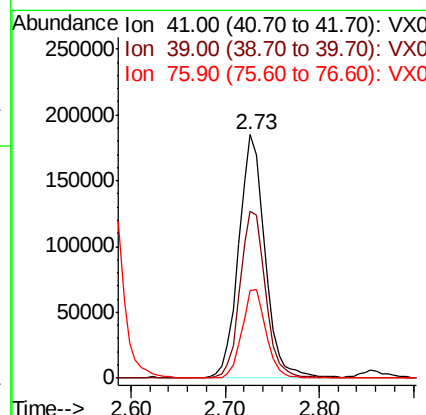
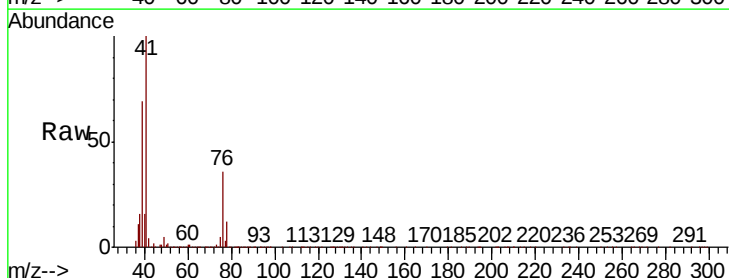
Manual Integrations
APPROVED

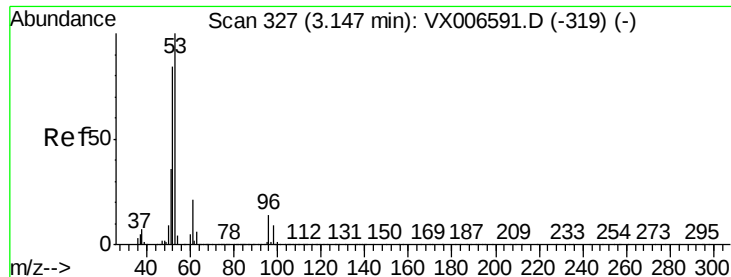
MMDadoda
12/19/2018 11:22:59 AM



#14
Allyl chloride
Concen: 49.013 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX006631.D
Acq: 19 Dec 2018 06:58

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.3	52.4	78.6
76	33.1	25.4	38.0





#15

Acrylonitrile

Concen: 288.115 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Instrument :

MSVOA_X

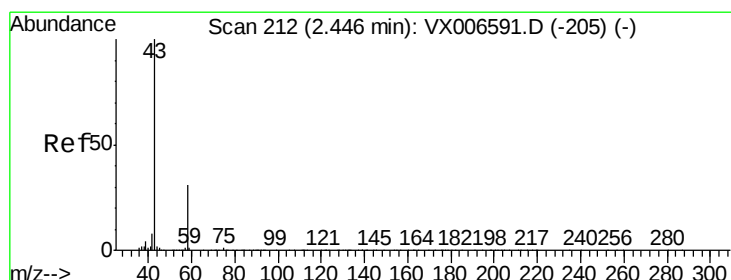
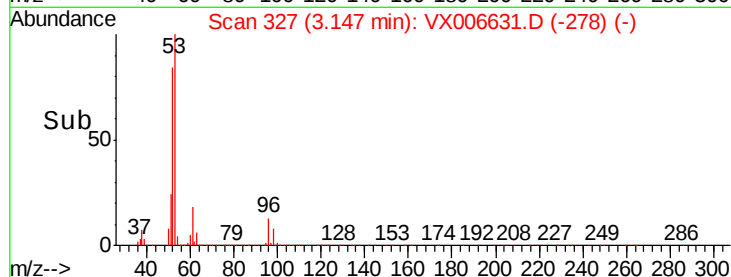
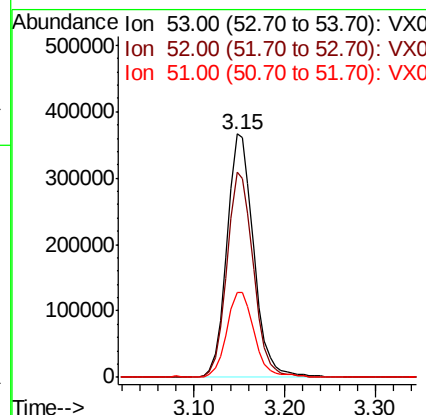
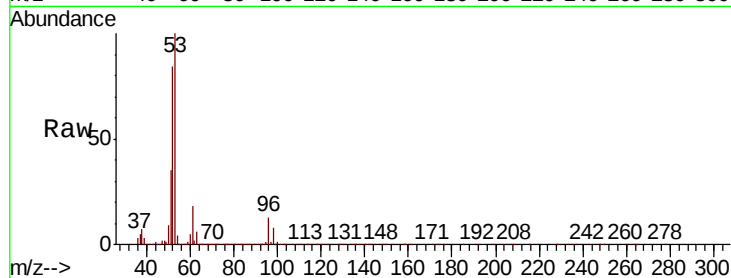
ClientSampleId :

SA.PZ135I-20181208MS

Tot Ion:	53	Resp:	747235
Ion Ratio		Lower	Upper
53	100		
52	83.4	66.2	99.4
51	36.3	28.7	43.1

Manual Integrations
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MMDadoda
12/19/2018 11:22:59 AM



#16

Acetone

Concen: 269.591 ug/l

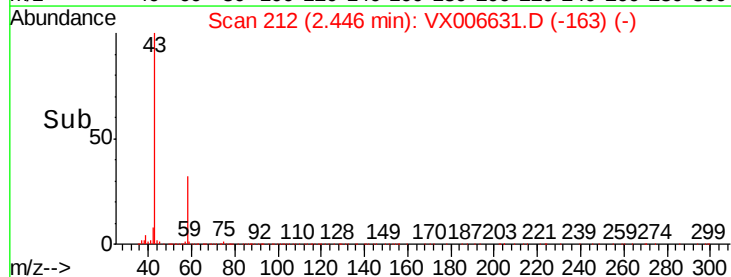
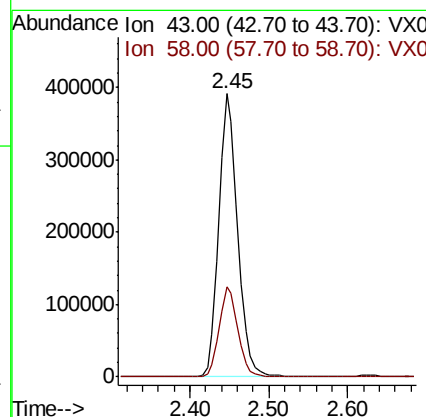
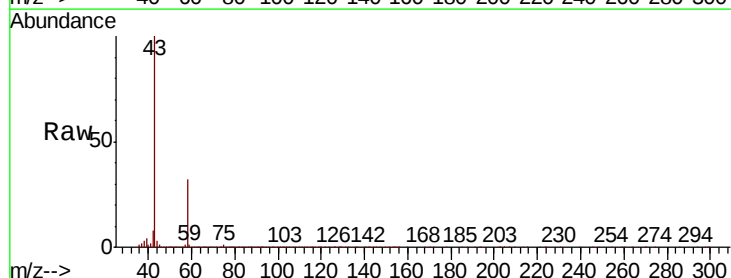
RT: 2.45 min Scan# 212

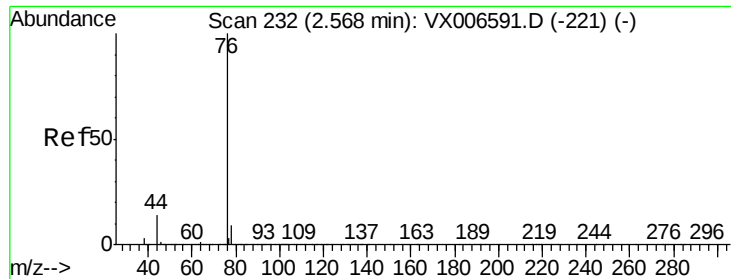
Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Tgt Ion:	43	Resp:	648279
Ion Ratio		Lower	Upper
43	100		
58	31.6	24.0	36.0





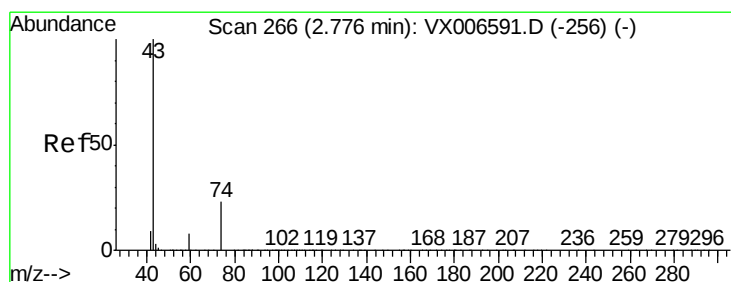
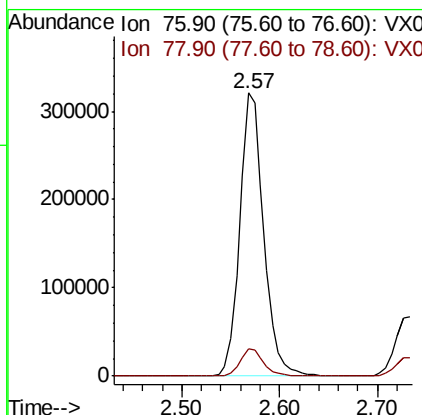
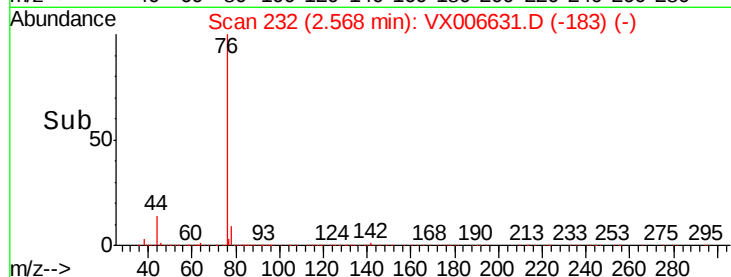
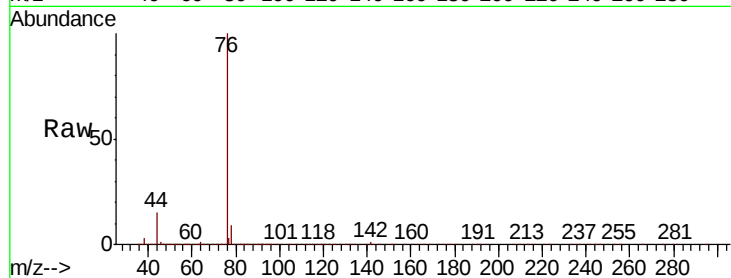
#17
Carbon Disulfide
Concen: 47.219 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX006631.D
Acq: 19 Dec 2018 06:58

Instrument :
MSVOA_X
ClientSampleId :
SA.PZ135I-20181208MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.1	10.7

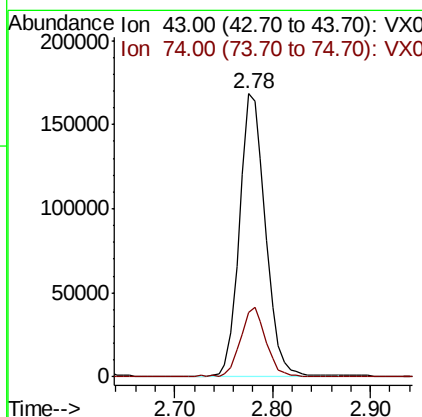
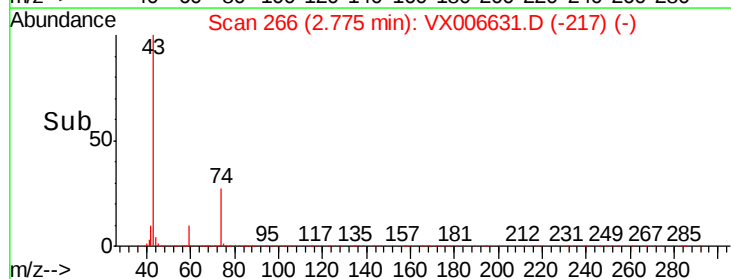
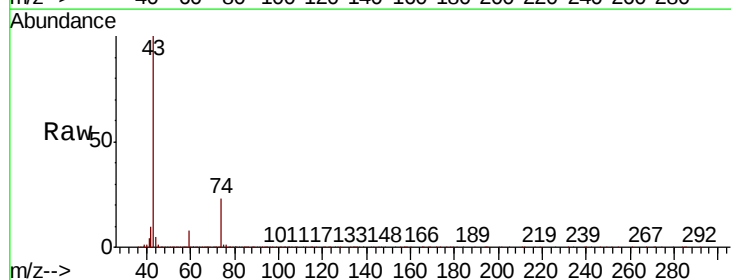
Manual Integrations
APPROVED

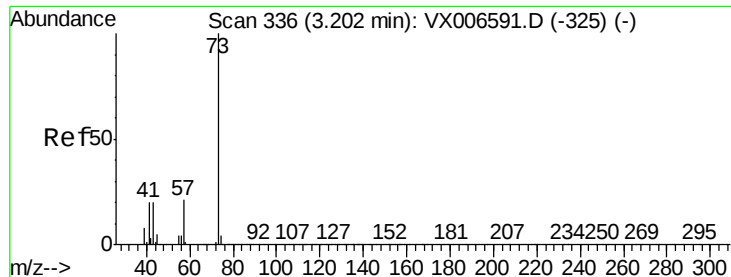
MMDadoda
12/19/2018 11:22:59 AM



#18
Methyl Acetate
Concen: 43.572 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX006631.D
Acq: 19 Dec 2018 06:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	17.9	26.9





#19

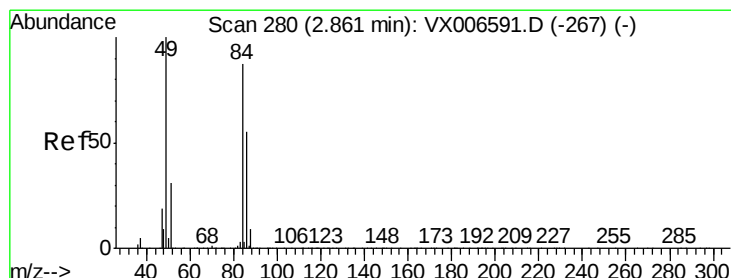
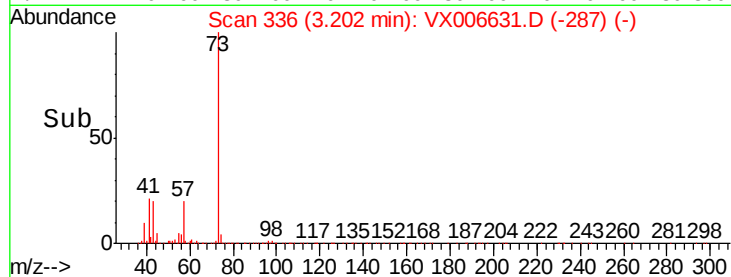
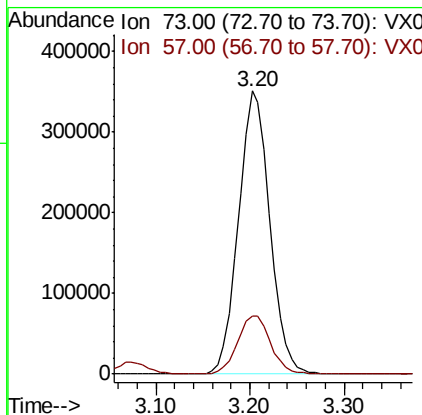
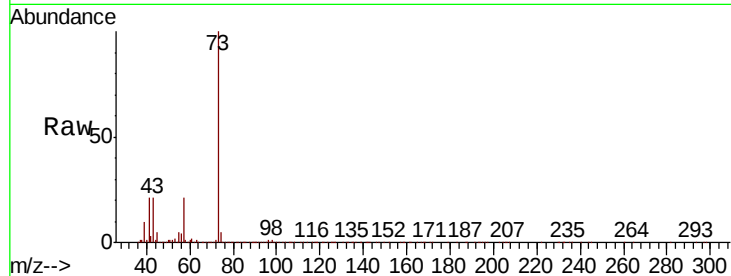
Methyl tert-butyl Ether
 Concen: 56.610 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX006631.D
 Acq: 19 Dec 2018 06:58

Instrument :
 MSVOA_X
 ClientSampleId :
 SA.PZ135I-20181208MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.5	26.3

Manual Integrations
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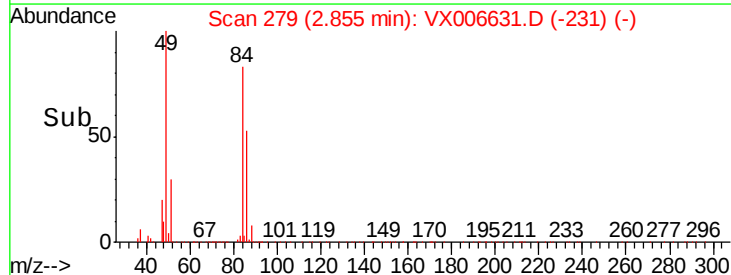
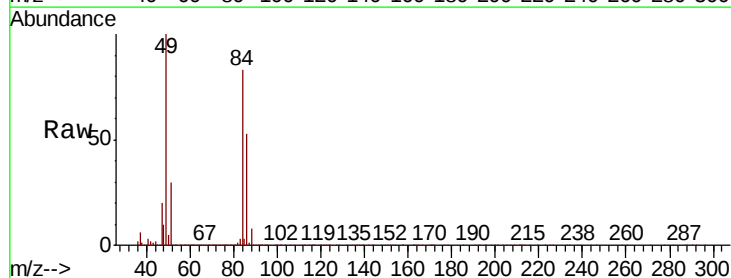
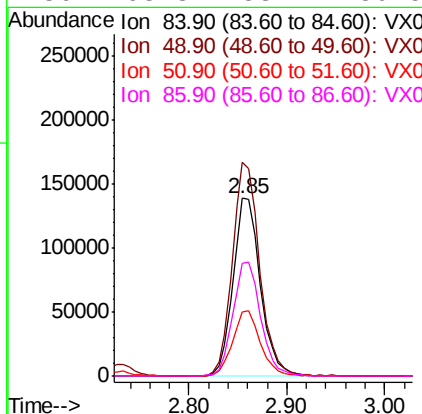
MMDadoda
 12/19/2018 11:22:59 AM



#20

Methylene Chloride
 Concen: 53.932 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX006631.D
 Acq: 19 Dec 2018 06:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.0	102.2	153.4
51	36.0	31.1	46.7
86	63.3	53.7	80.5





#21

trans-1,2-Dichloroethene

Concen: 51.619 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Instrument :

MSVOA_X

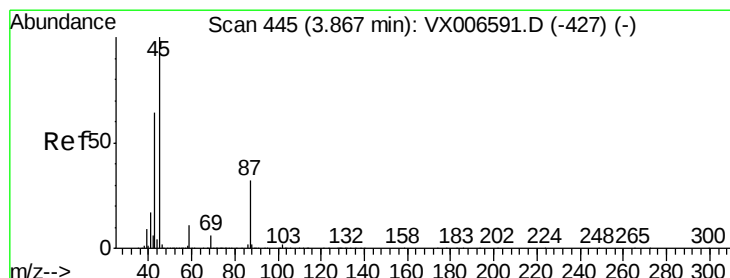
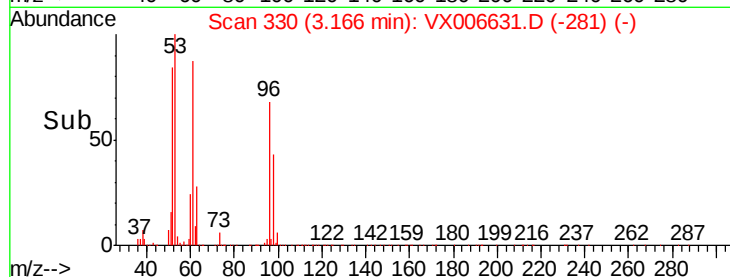
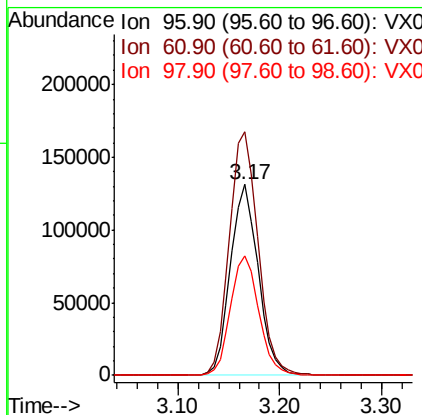
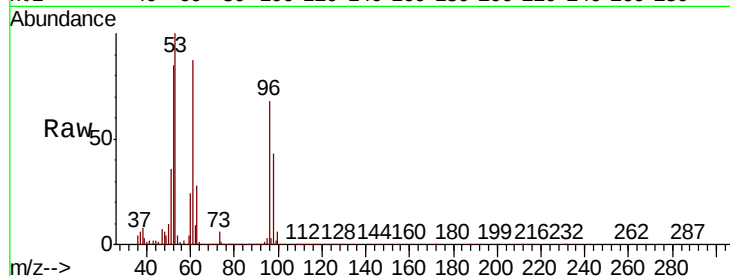
ClientSampleId :

SA.PZ135I-20181208MS

Tot Ion:	96	Resp:	248167
Ion	Ratio	Lower	Upper
96	100		
61	127.3	113.3	169.9
98	62.8	53.2	79.8

Manual Integrations
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MMDadoda
12/19/2018 11:22:59 AM



#22

Diisopropyl ether

Concen: 56.032 ug/l

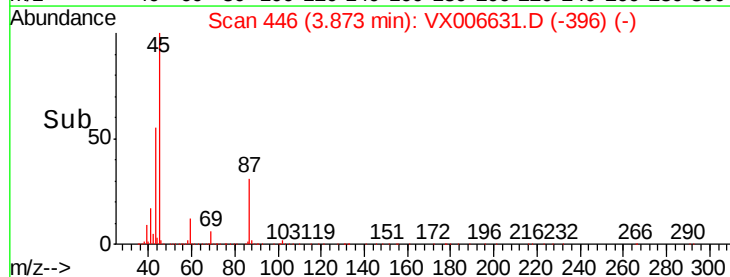
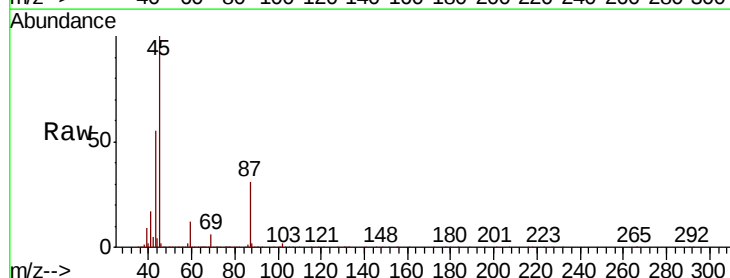
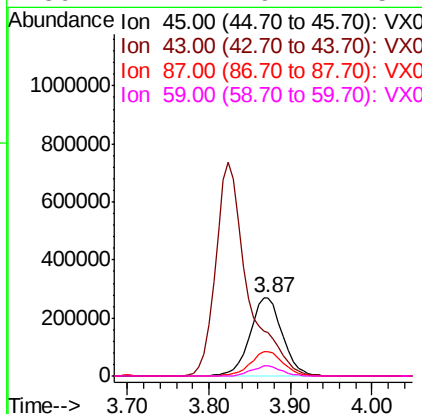
RT: 3.87 min Scan# 446

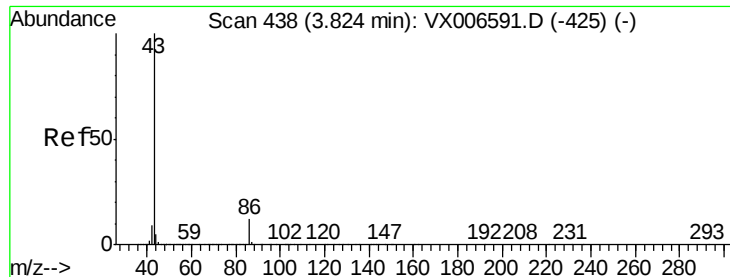
Delta R.T. 0.01 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Tgt Ion:	45	Resp:	748680
Ion	Ratio	Lower	Upper
45	100		
43	54.8	46.2	69.2
87	31.3	24.9	37.3
59	12.4	9.1	13.7





#23

Vinyl Acetate

Concen: 184.183 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ135I-20181208MS

Tot Ion: 43 Resp: 2013006

Ion Ratio Lower Upper

43 100

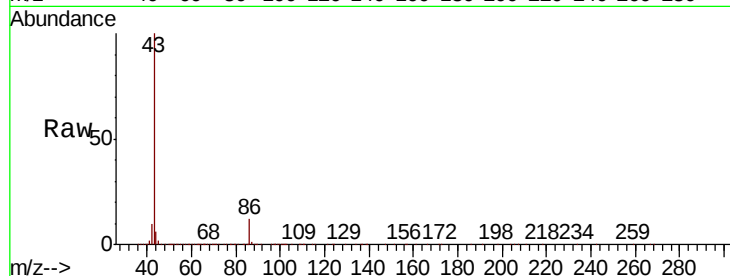
86 11.9 9.4 14.0

Manual Integrations

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MMDadoda

12/19/2018 11:22:59 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

800000

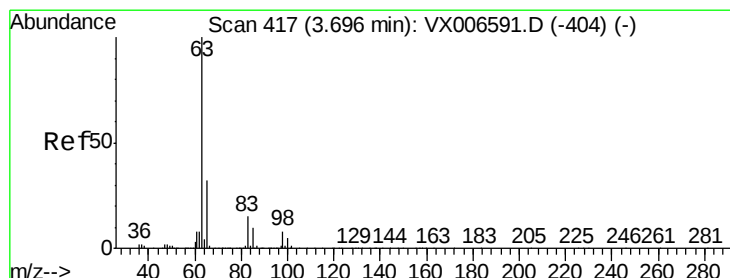
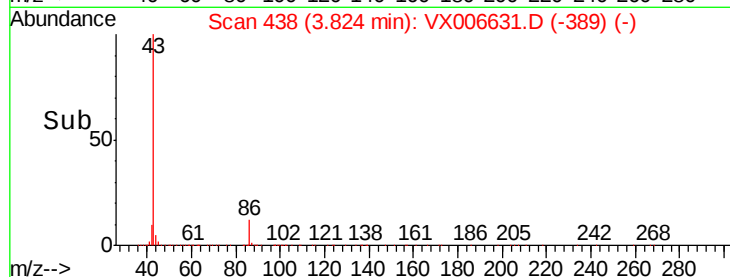
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.743 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

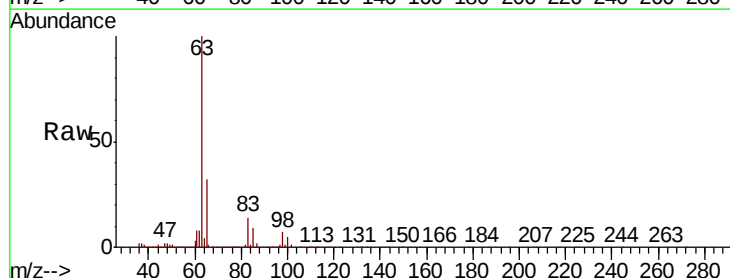
Tgt Ion: 63 Resp: 428666

Ion Ratio Lower Upper

63 100

98 7.0 3.8 11.4

100 4.8 2.5 7.4



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

250000

200000

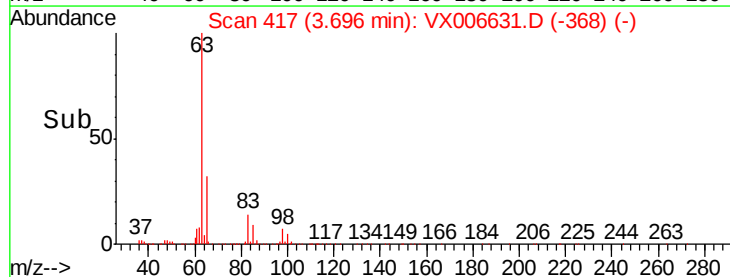
150000

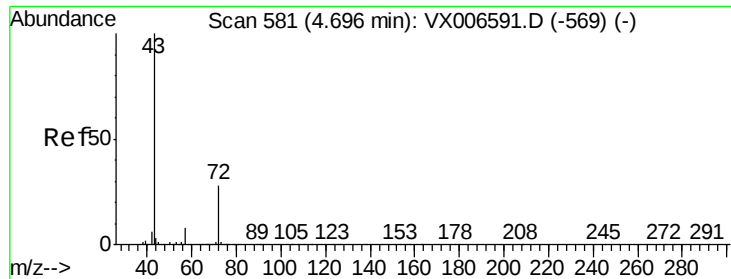
100000

50000

0

Time-->





#25

2-Butanone

Concen: 274.824 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ135I-20181208MS

Tot Ion: 43 Resp: 929587

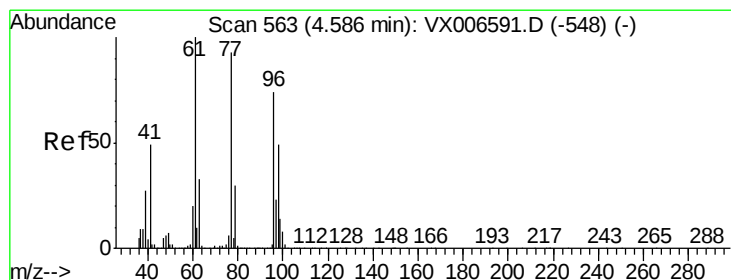
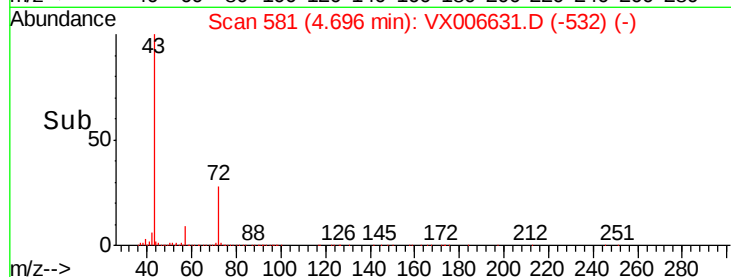
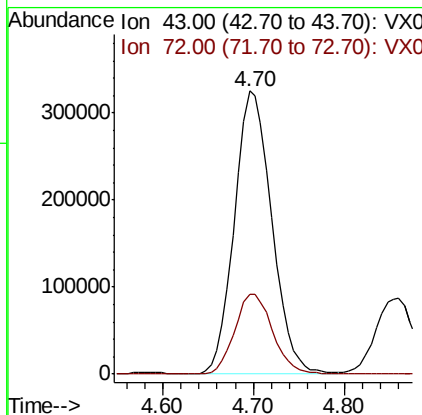
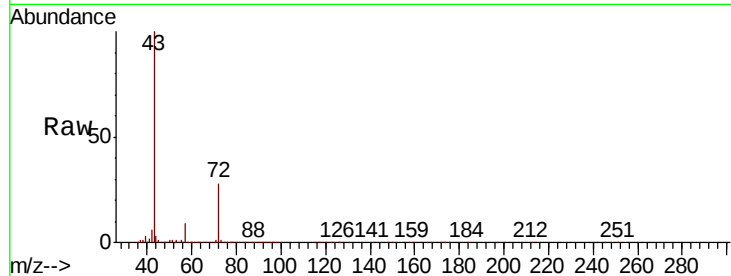
Ion Ratio Lower Upper

43 100

72 27.9 22.6 33.8

Manual Integrations
APPROVED

MMDadoda
12/19/2018 11:22:59 AM



#26

2,2-Dichloropropane

Concen: 18.810 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006631.D

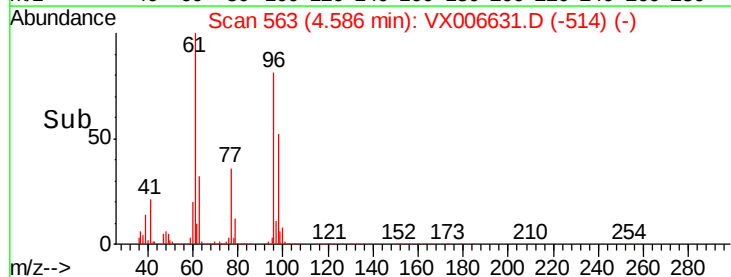
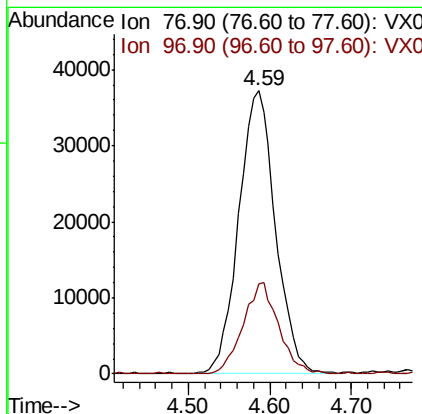
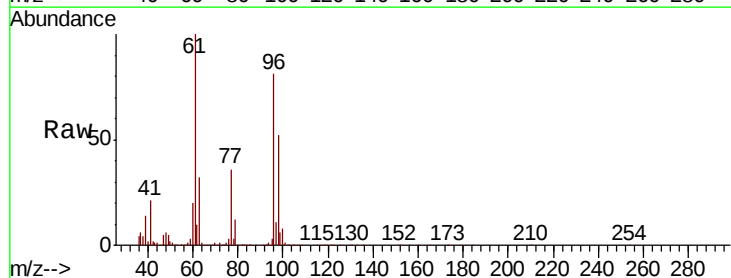
Acq: 19 Dec 2018 06:58

Tgt Ion: 77 Resp: 115898

Ion Ratio Lower Upper

77 100

97 31.4 12.3 36.8





#27

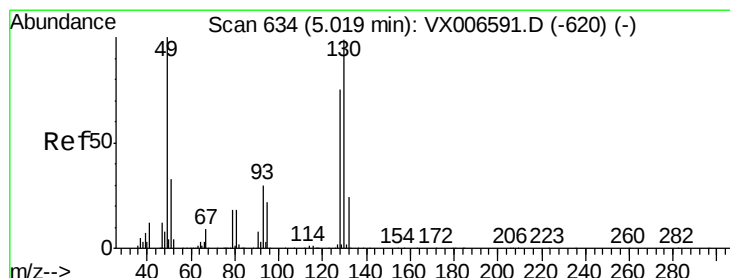
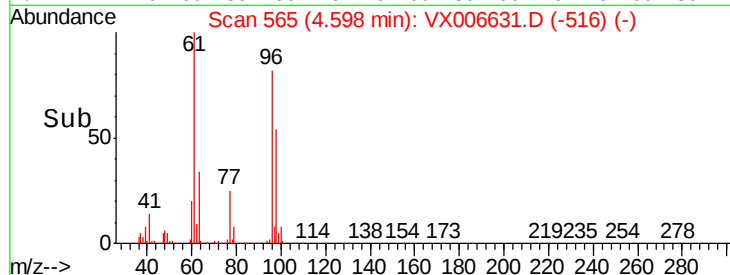
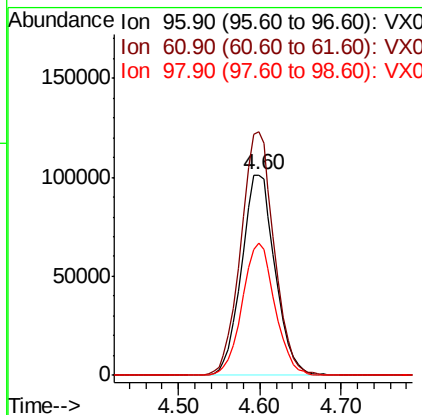
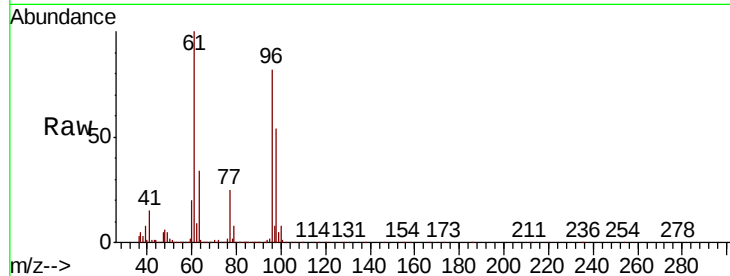
cis-1,2-Dichloroethene
Concen: 54.449 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006631.D
Acq: 19 Dec 2018 06:58

Instrument :
MSVOA_X
ClientSampleId :
SA.PZ135I-20181208MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	288818		
61	120.7		0.0	265.0
98	64.6		0.0	130.2

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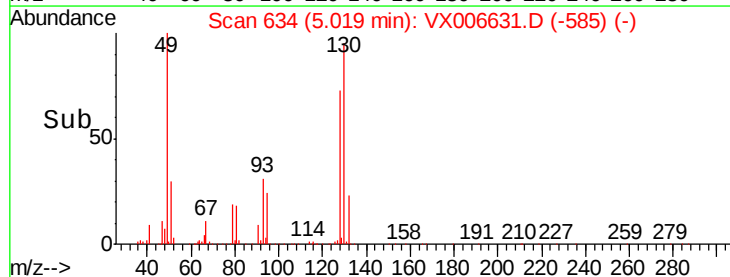
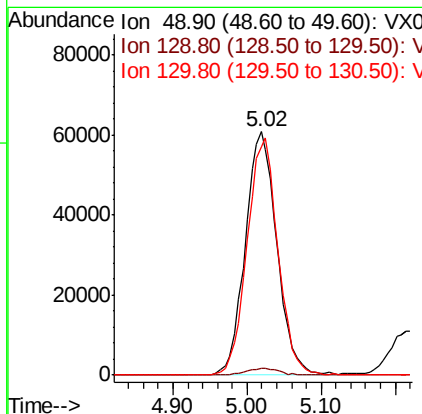
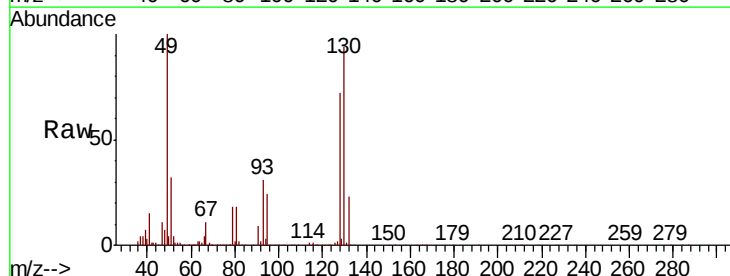
MMDadoda
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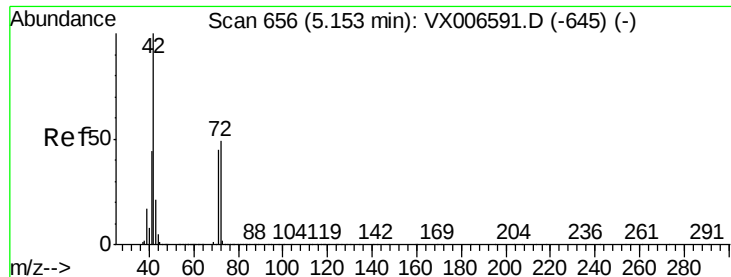


#28

Bromochloromethane
Concen: 53.823 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX006631.D
Acq: 19 Dec 2018 06:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	180494		
129	2.8		0.0	5.0
130	95.3		78.3	117.5





#29

Tetrahydrofuran

Concen: 287.276 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Instrument :

MSVOA_X

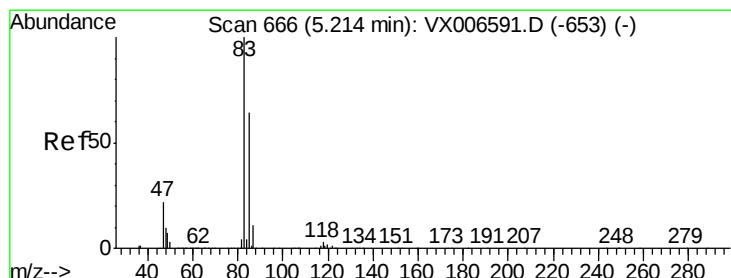
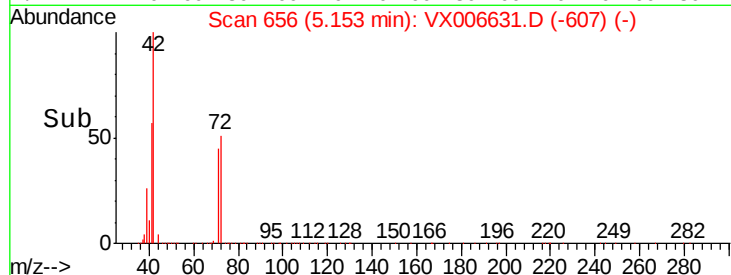
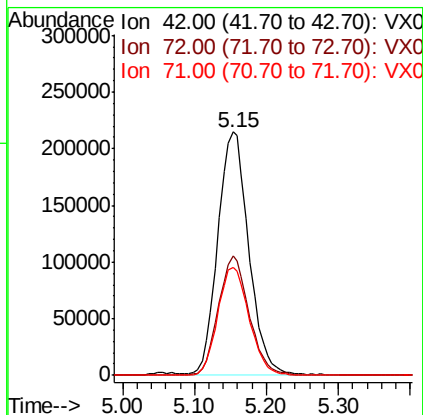
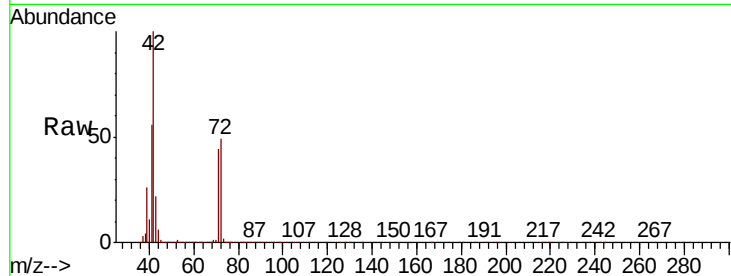
ClientSampleId :

SA.PZ135I-20181208MS

Tot Ion:	42	Resp:	639996
Ion	Ratio	Lower	Upper
42	100		
72	48.6	37.8	56.8
71	45.0	35.2	52.8

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#30

Chloroform

Concen: 56.145 ug/l

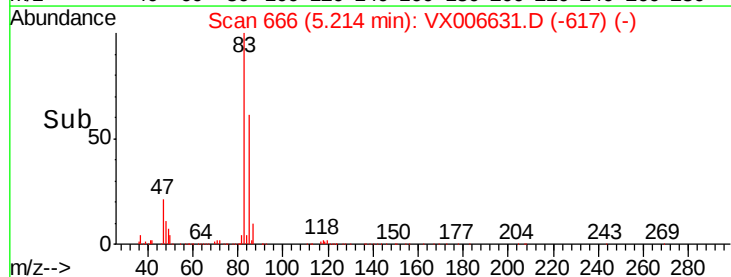
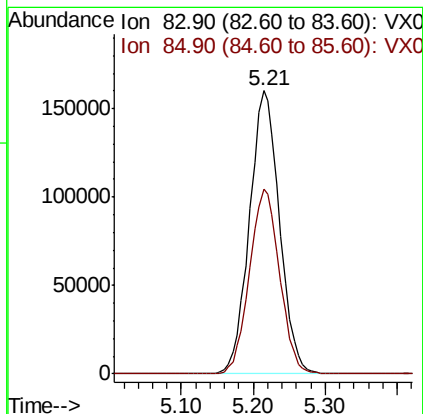
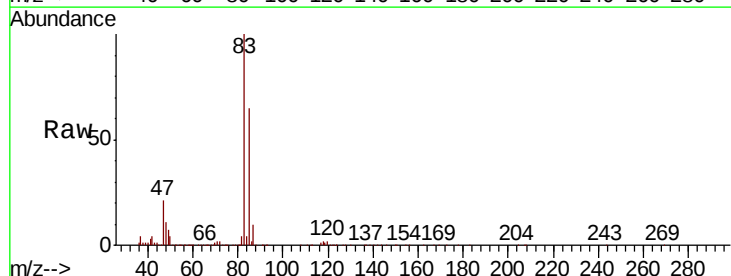
RT: 5.21 min Scan# 666

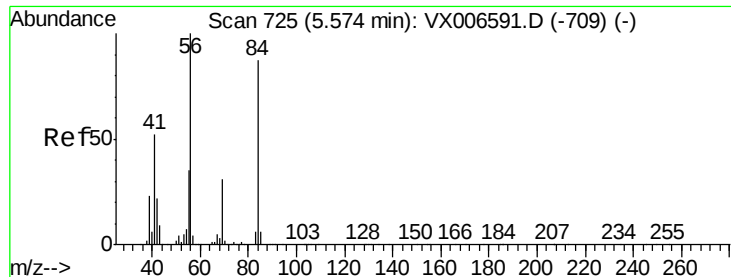
Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Tgt Ion:	83	Resp:	463746
Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.3	75.5





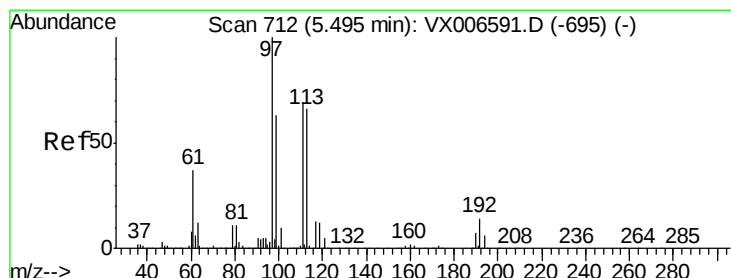
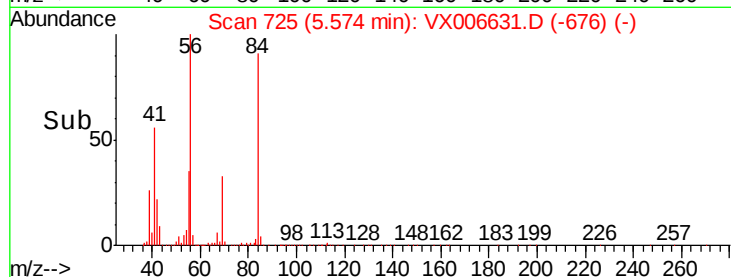
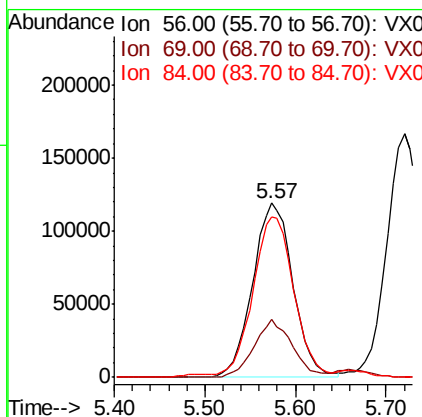
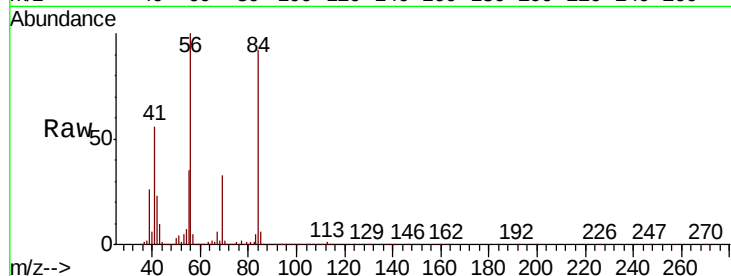
#31
Cyclohexane
Concen: 50.477 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX006631.D
Acq: 19 Dec 2018 06:58

Instrument :
MSVOA_X
ClientSampleId :
SA.PZ135I-20181208MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	24.5	36.7
84	90.1	71.8	107.6

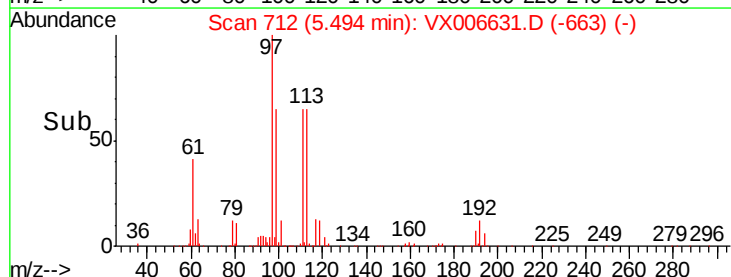
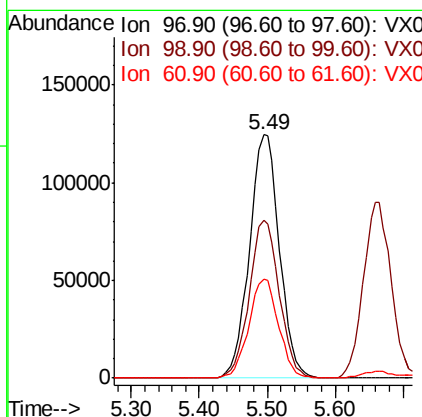
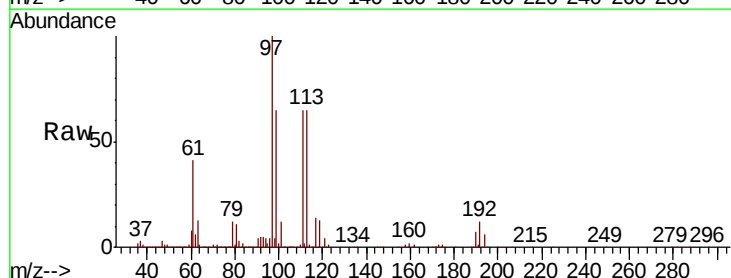
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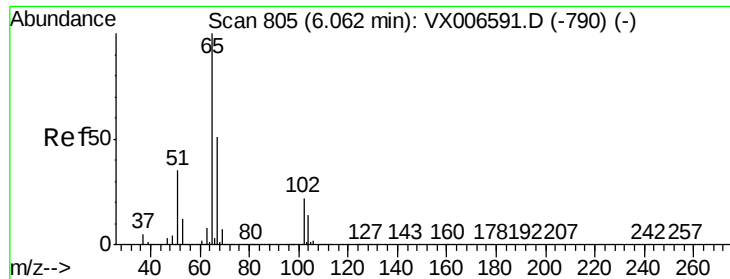
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#32
1,1,1-Trichloroethane
Concen: 54.772 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006631.D
Acq: 19 Dec 2018 06:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.6	77.4
61	40.4	30.6	46.0





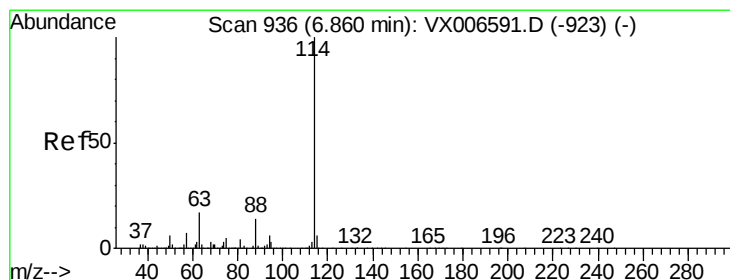
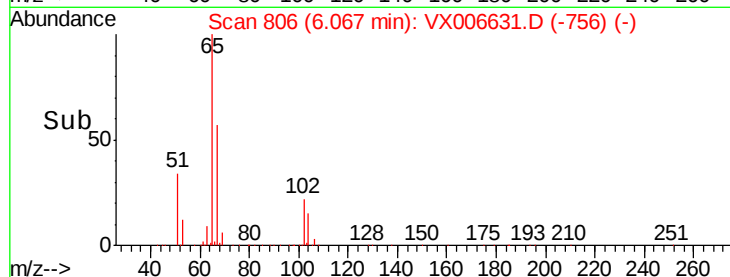
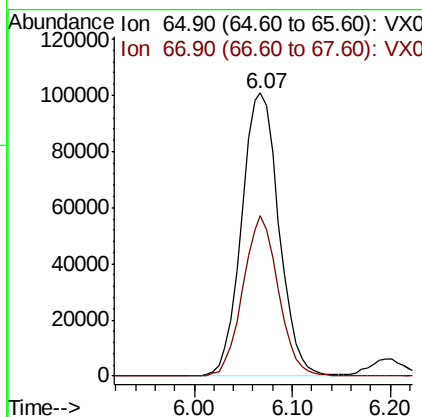
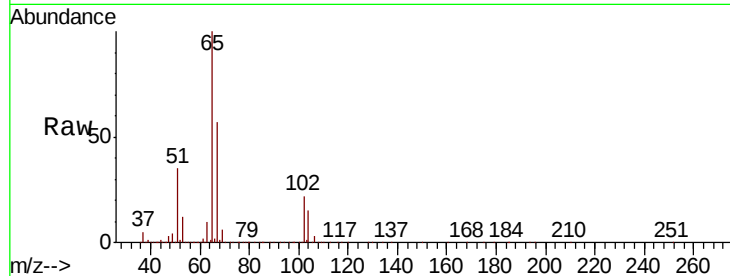
#33
 1,2-Dichloroethane-d4
 Concen: 50.970 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006631.D
 Acq: 19 Dec 2018 06:58

Instrument :
 MSVOA_X
 ClientSampleId :
 SA.PZ135I-20181208MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	107.2

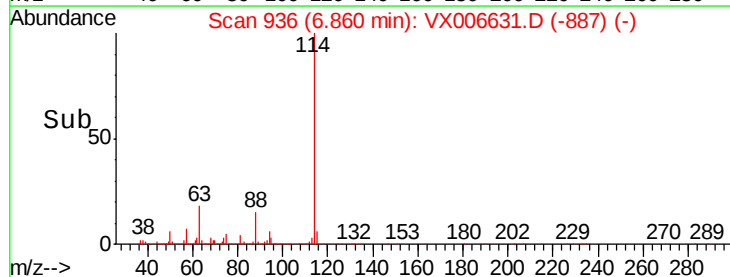
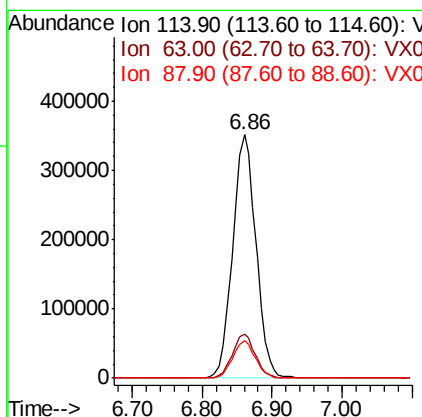
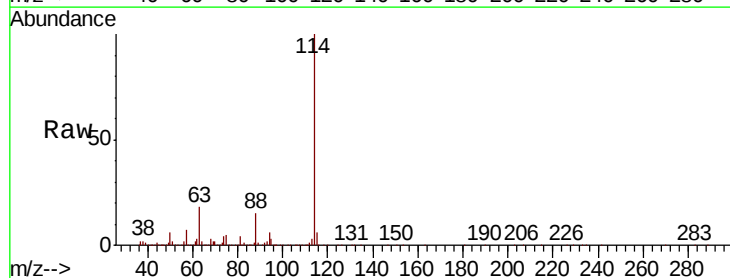
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006631.D
 Acq: 19 Dec 2018 06:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	36.6
88	15.4	0.0	29.0





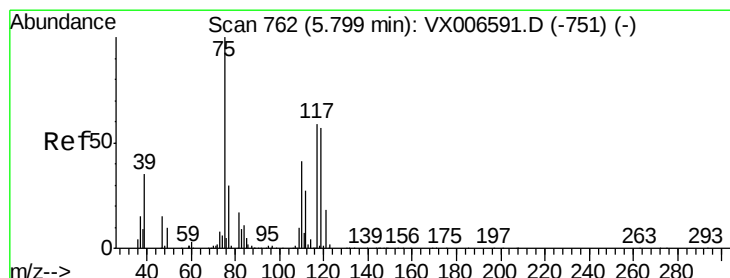
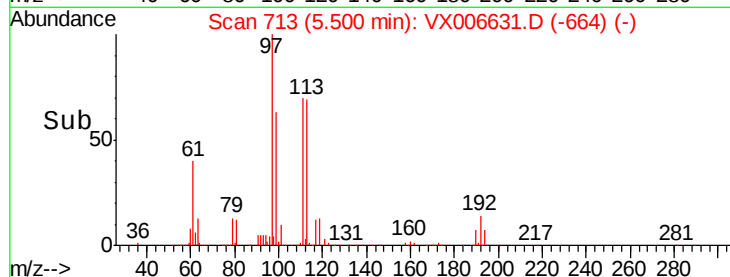
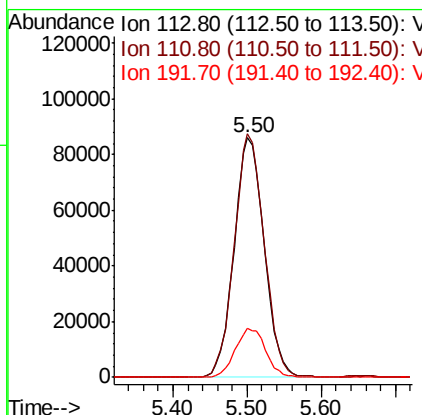
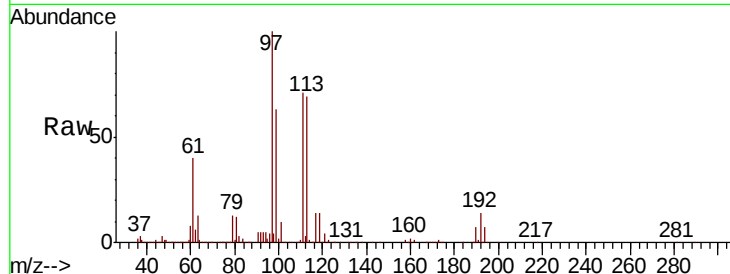
#35
Dibromofluoromethane
Concen: 47.635 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX006631.D
Acq: 19 Dec 2018 06:58

Instrument :
MSVOA_X
ClientSampleId :
SA.PZ135I-20181208MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	244958		
111	100.7	81.1	121.7	
192	20.7	18.2	27.2	

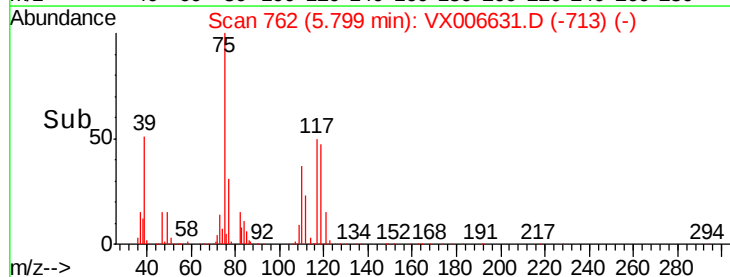
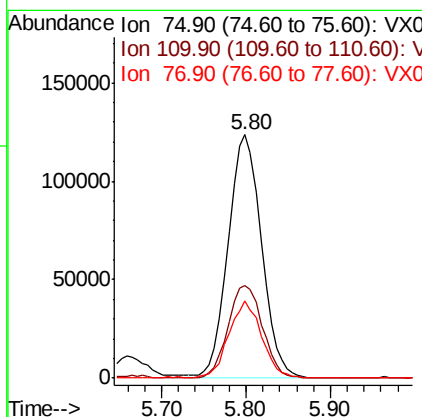
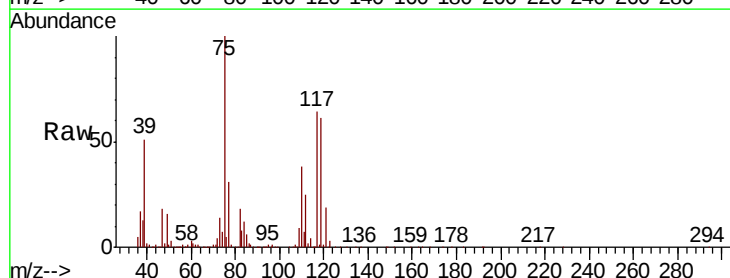
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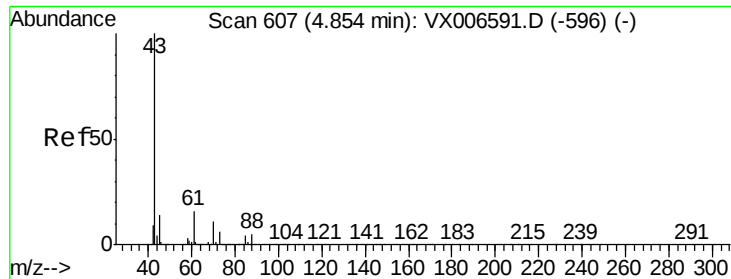
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#36
1,1-Dichloropropene
Concen: 49.170 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX006631.D
Acq: 19 Dec 2018 06:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	331161		
110	39.6	20.4	61.3	
77	30.8	24.9	37.3	





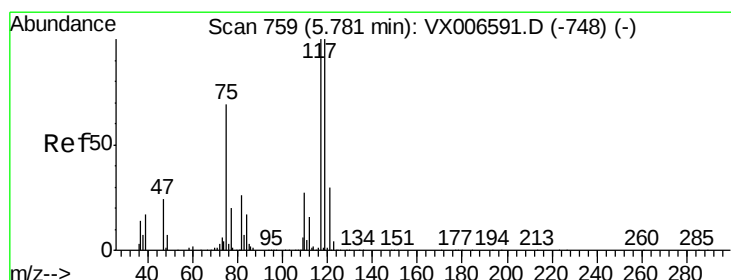
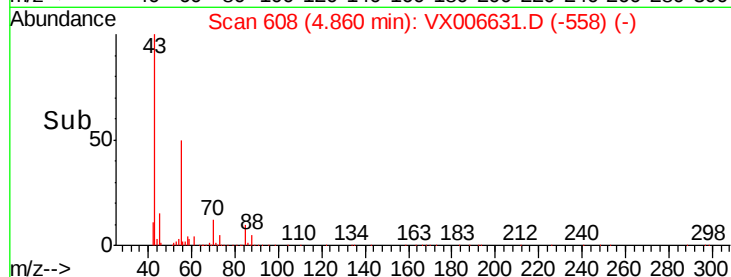
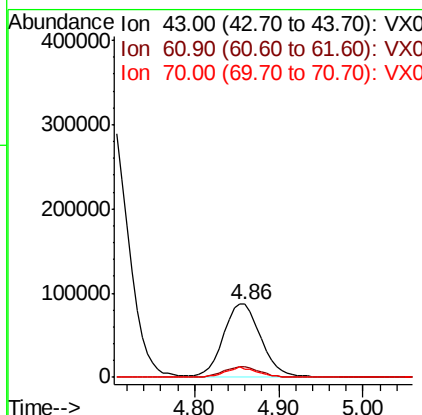
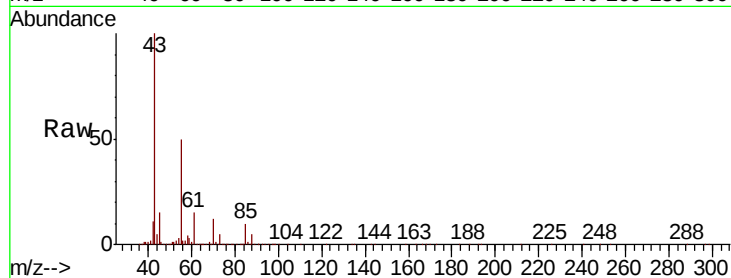
#37
Ethyl Acetate
Concen: 37.317 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX006631.D
Acq: 19 Dec 2018 06:58

Instrument :
MSVOA_X
ClientSampleId :
SA.PZ135I-20181208MS

Tot Ion	43	Resp	261591
Ion Ratio	100	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	11.8	9.0	13.6

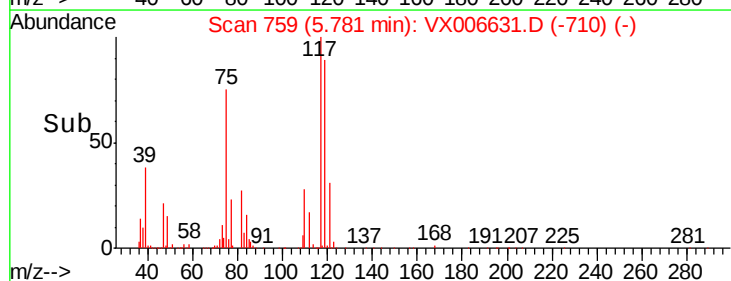
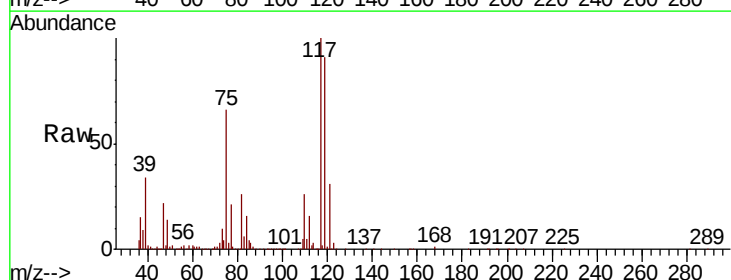
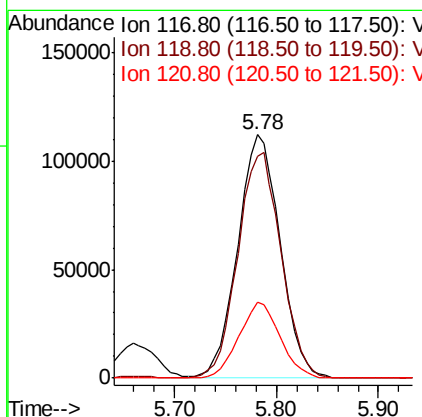
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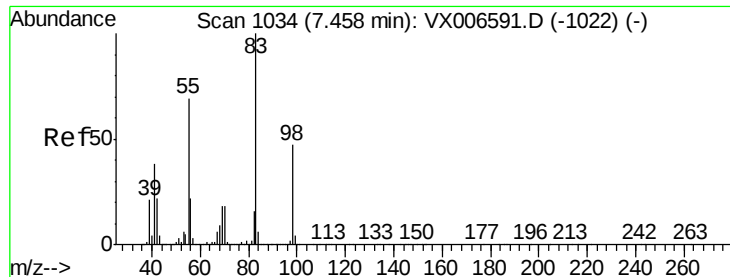
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#38
Carbon Tetrachloride
Concen: 49.259 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006631.D
Acq: 19 Dec 2018 06:58

Tgt Ion	117	Resp	322417
Ion Ratio	100	Lower	Upper
117	100		
119	91.0	75.8	113.8
121	31.1	24.6	37.0





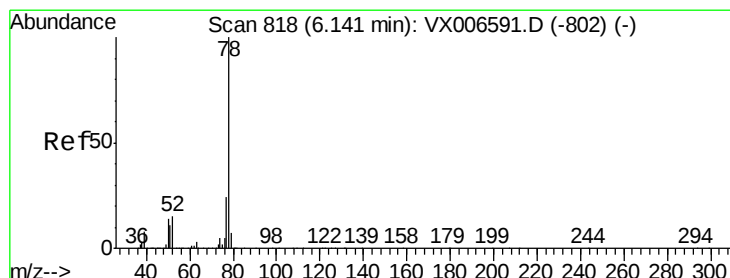
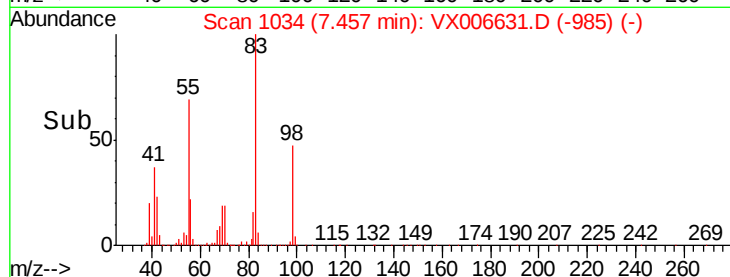
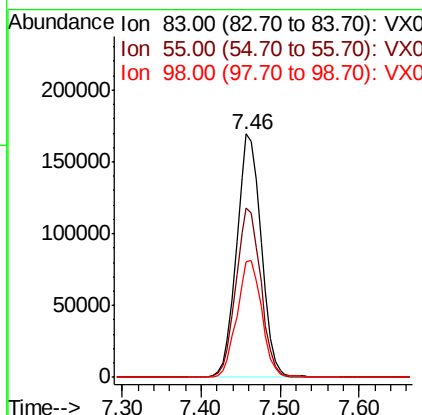
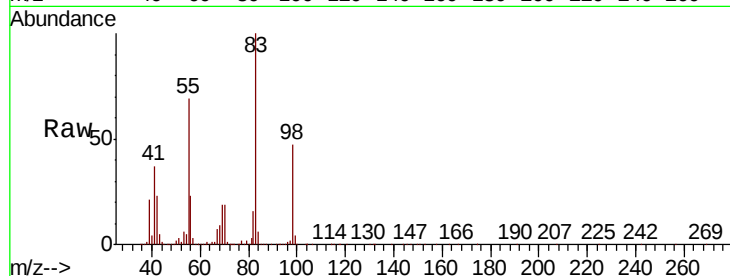
#39
Methvlcvclohexane
Concen: 41.574 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX006631.D
Acq: 19 Dec 2018 06:58

Instrument :
MSVOA_X
ClientSampleId :
SA.PZ135I-20181208MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.3	56.4	84.6
98	47.4	39.0	58.6

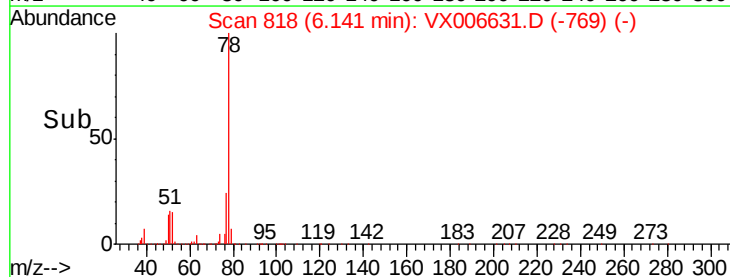
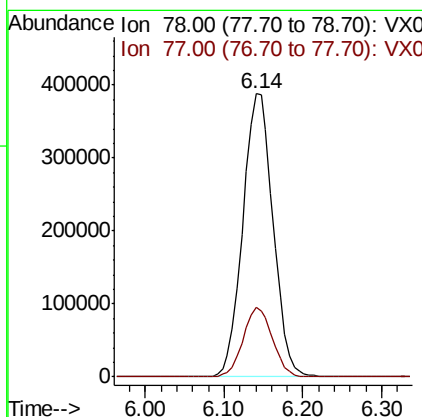
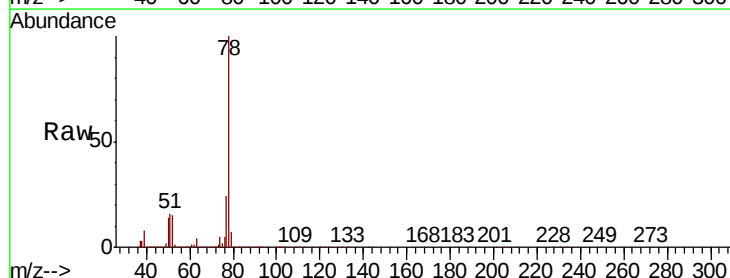
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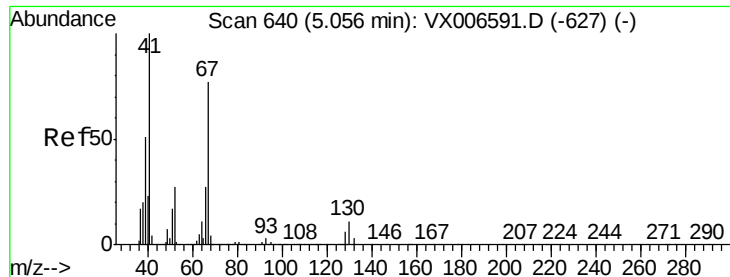
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#40
Benzene
Concen: 50.552 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006631.D
Acq: 19 Dec 2018 06:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.2	28.8





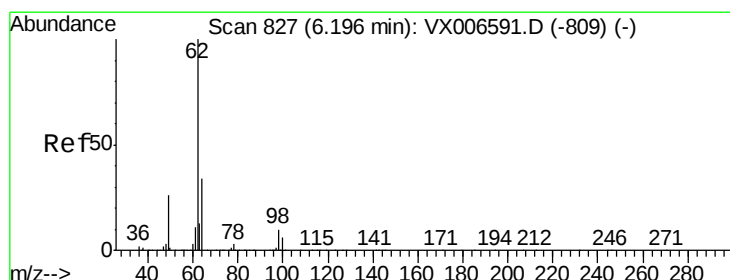
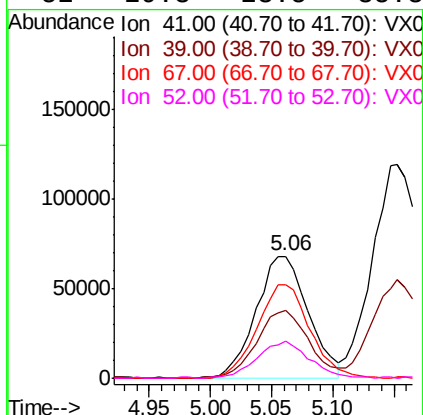
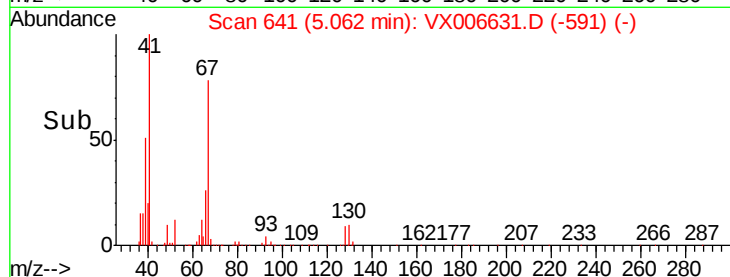
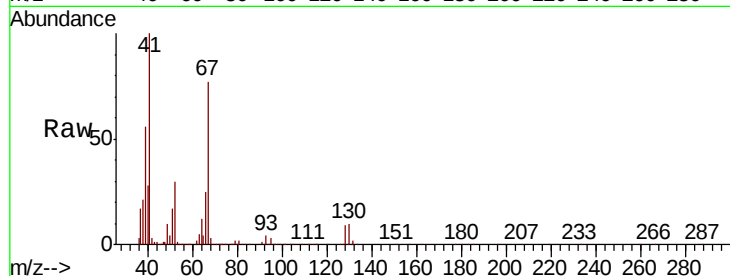
#41
Methacrylonitrile
Concen: 51.122 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX006631.D
Acq: 19 Dec 2018 06:58

Instrument :
MSVOA_X
ClientSampleId :
SA.PZ135I-20181208MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		201382		
39	55.0	44.0	66.0		
67	78.3	61.4	92.0		
52	29.3	23.5	35.3		

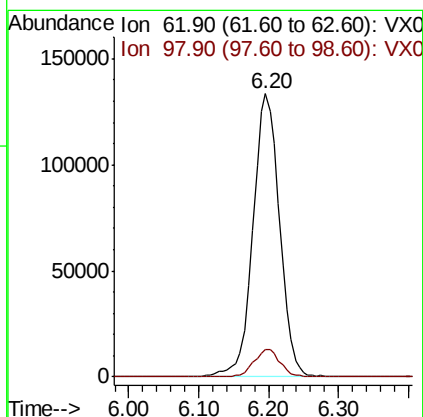
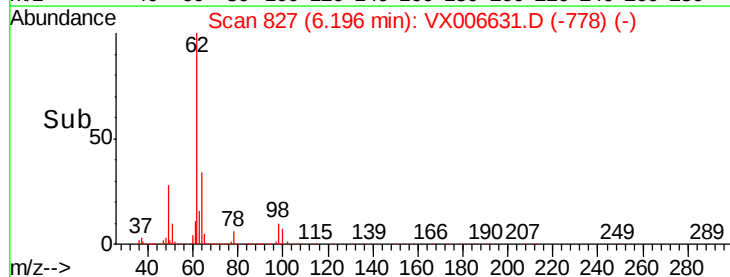
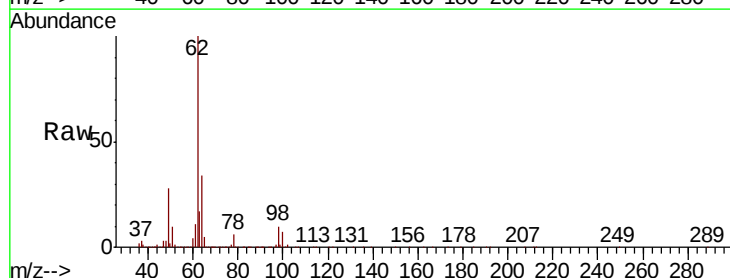
Manual Integrations
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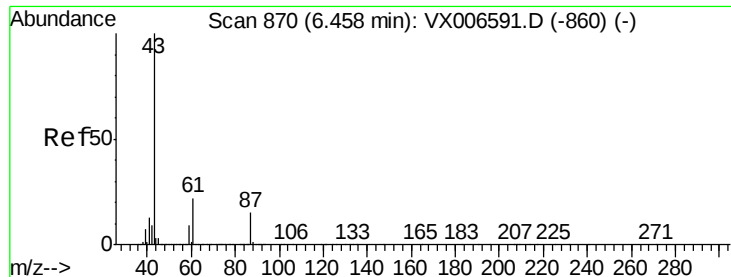
MMDadoda
12/19/2018 11:22:59 AM



#42
1,2-Dichloroethane
Concen: 50.389 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX006631.D
Acq: 19 Dec 2018 06:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		351511		
98	9.7	0.0	20.2		





#43

Isopropyl Acetate

Concen: 43.337 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Instrument :

MSVOA_X

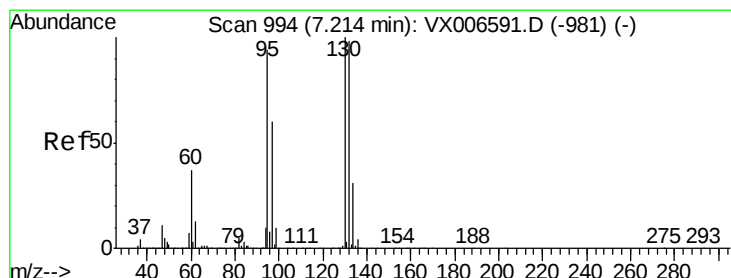
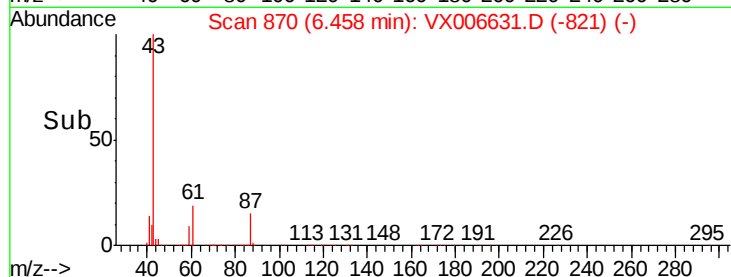
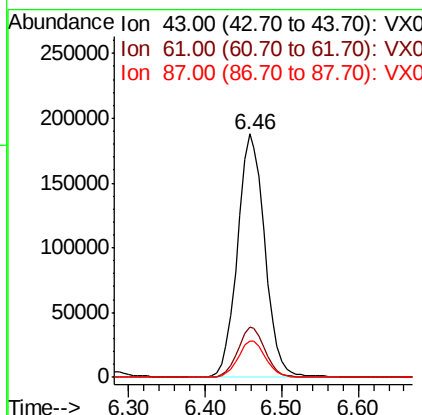
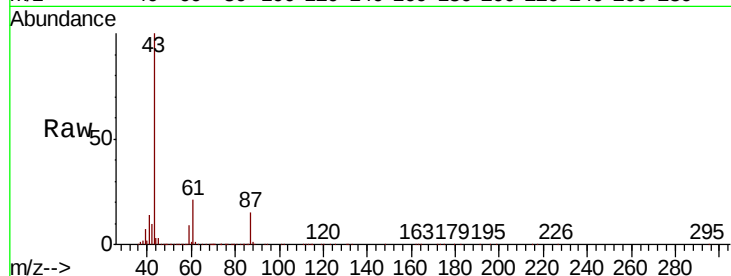
ClientSampleId :

SA.PZ135I-20181208MS

Tot Ion:	43	Resp:	462226
Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.8	25.2
87	15.2	11.9	17.9

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#44

Trichloroethene

Concen: 48.065 ug/l

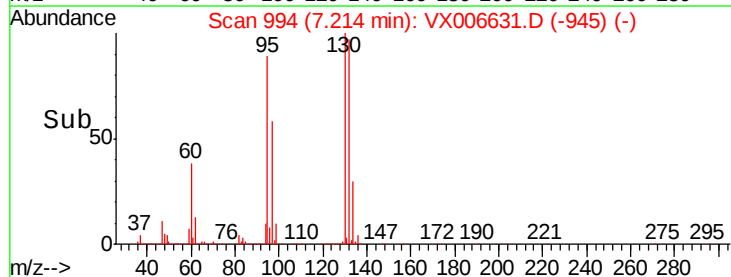
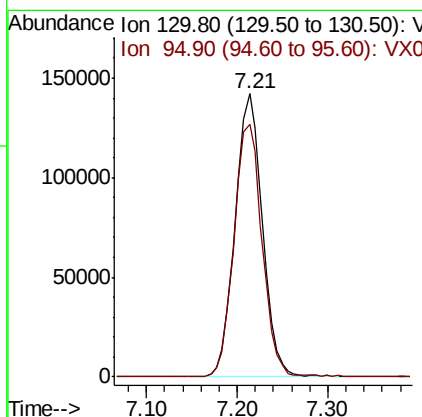
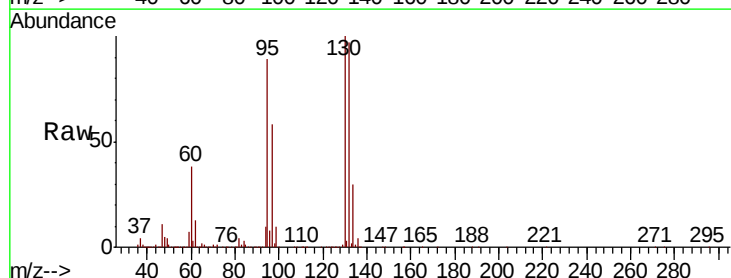
RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Tgt Ion:	130	Resp:	297822
Ion	Ratio	Lower	Upper
130	100		
95	89.4	0.0	175.8





#45

1,2-Dichloropropane

Concen: 51.930 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ135I-20181208MS

Tot Ion: 63 Resp: 258710

Ion Ratio Lower Upper

63 100

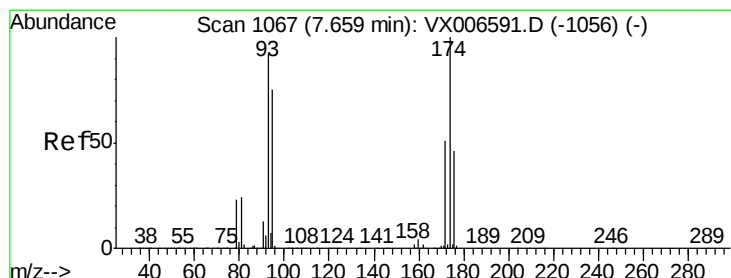
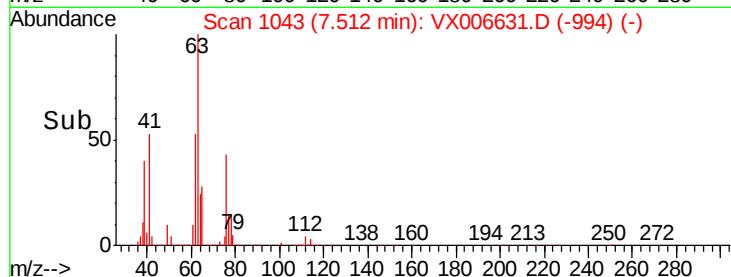
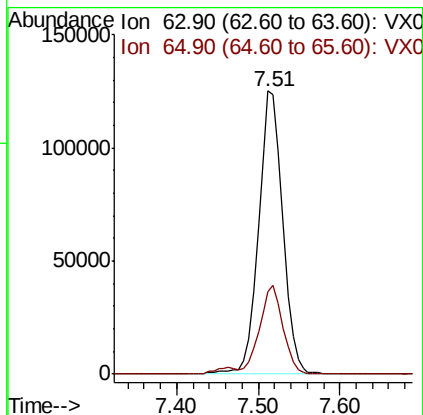
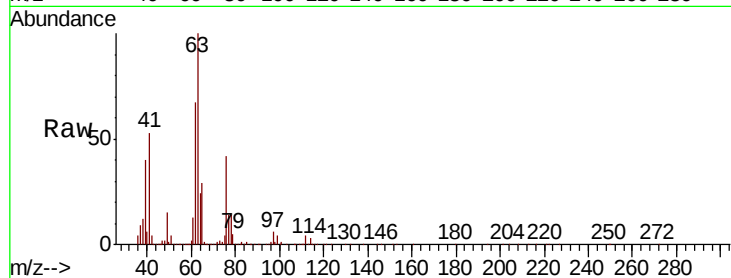
65 29.1 24.3 36.5

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#46

Dibromomethane

Concen: 50.890 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

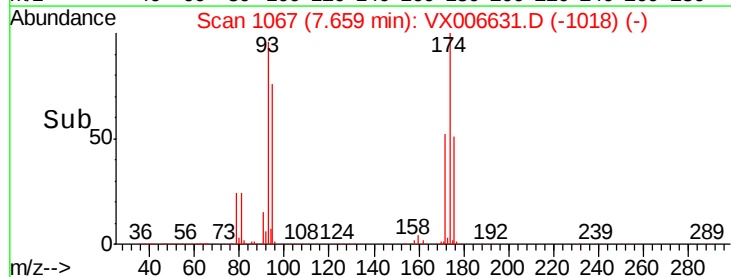
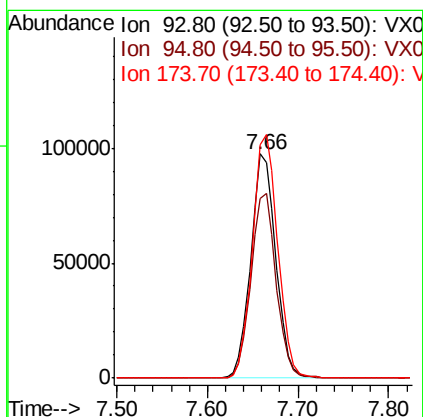
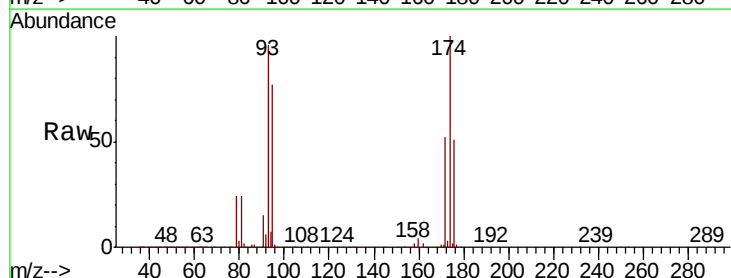
Tgt Ion: 93 Resp: 186482

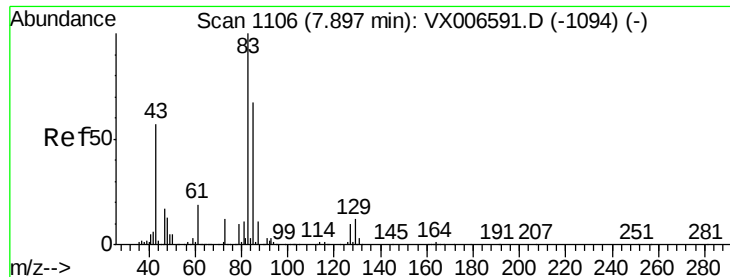
Ion Ratio Lower Upper

93 100

95 83.2 66.2 99.4

174 110.0 97.2 145.8





#47

Bromodichloromethane

Concen: 51.556 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Instrument :

MSVOA_X

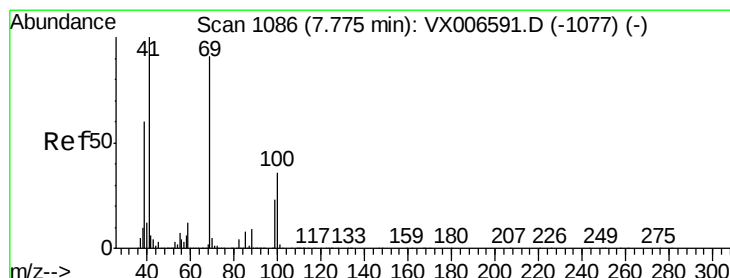
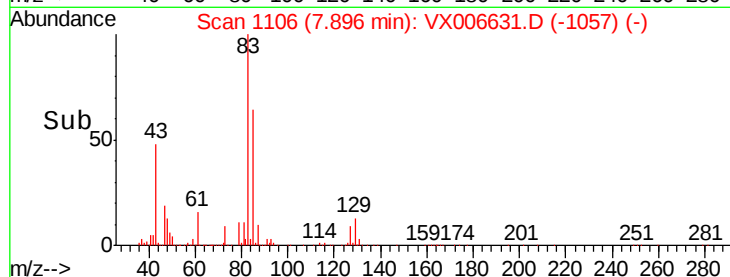
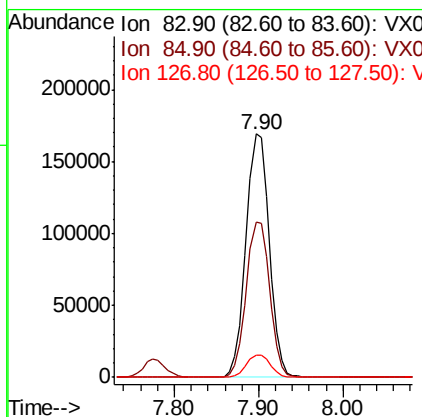
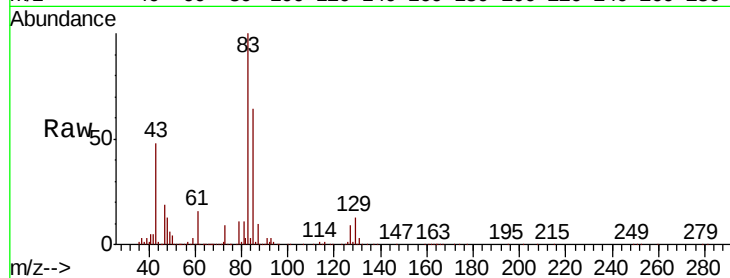
ClientSampleId :

SA.PZ135I-20181208MS

Tot Ion:	83	Resp:	313655
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.4	77.0
127	9.4	7.9	11.9

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#48

Methyl methacrylate

Concen: 54.306 ug/l

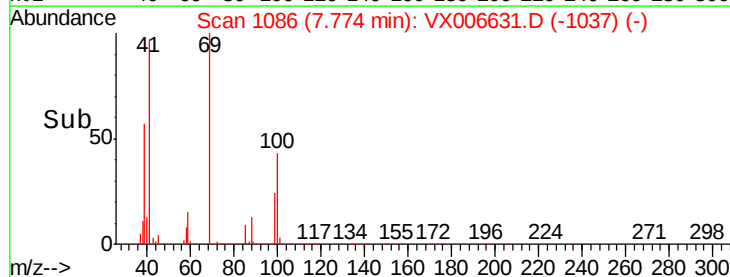
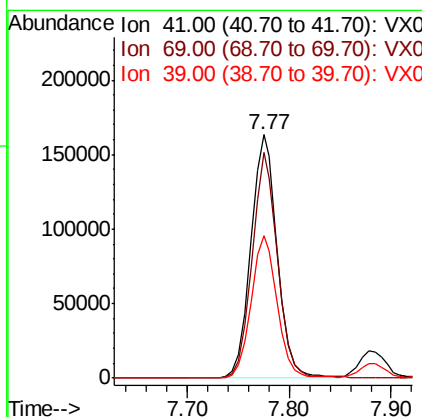
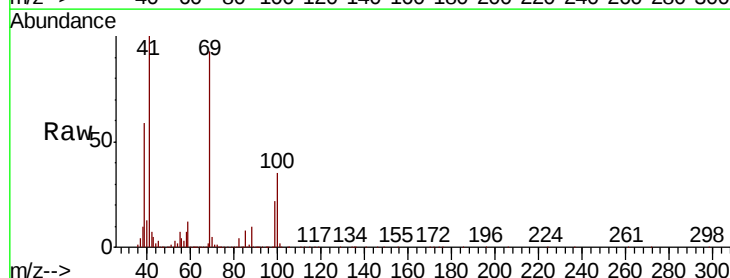
RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Tgt Ion:	41	Resp:	294554
Ion Ratio	Lower	Upper	
41	100		
69	89.4	70.3	105.5
39	57.5	45.3	67.9





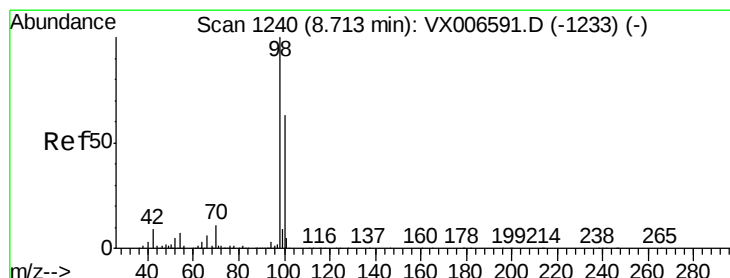
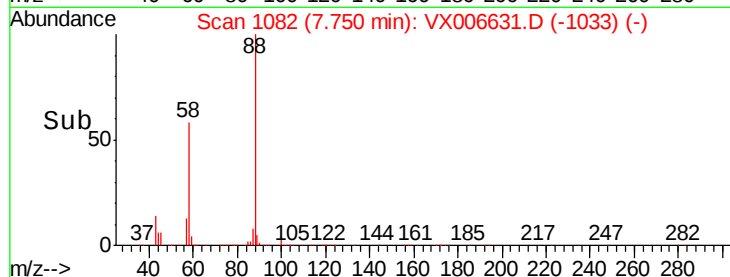
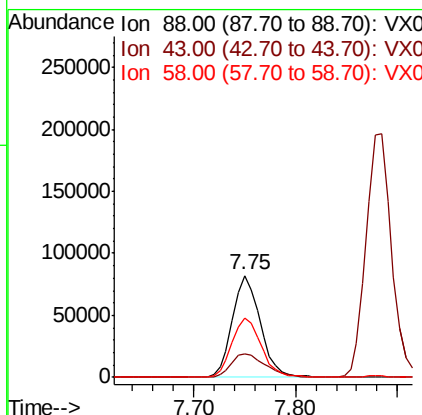
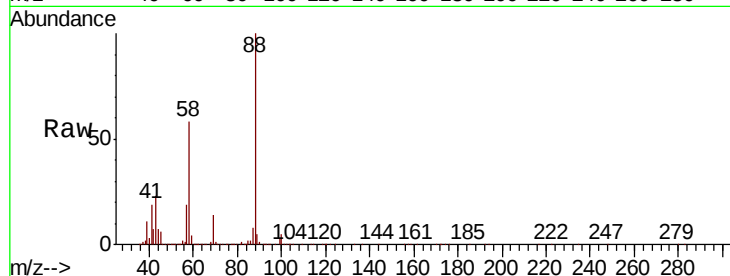
#49
1,4-Dioxane
Concen: 1090.335 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006631.D
Acq: 19 Dec 2018 06:58

Instrument :
MSVOA_X
ClientSampleId :
SA.PZ135I-20181208MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.5	23.2	34.8
58	62.1	51.4	77.0

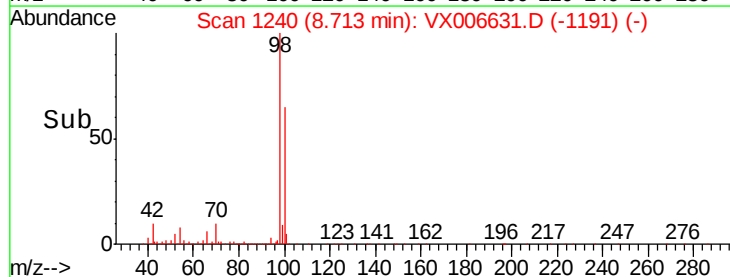
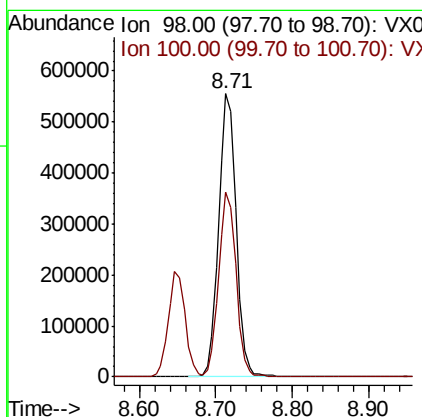
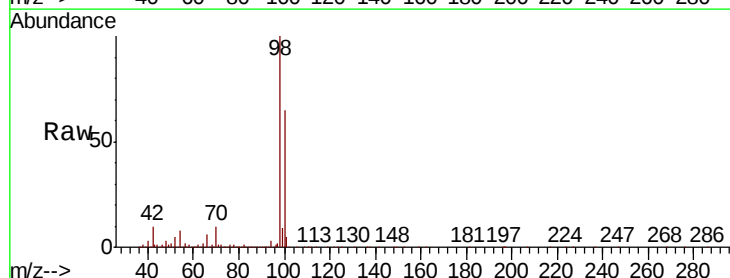
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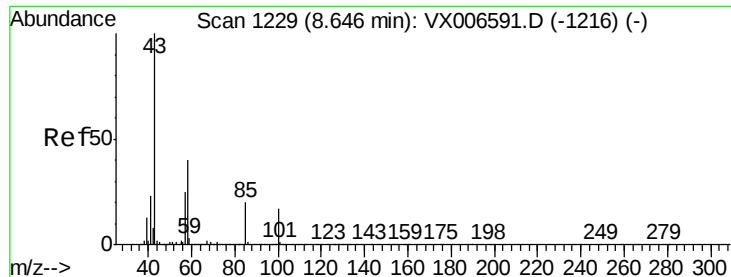
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#50
Toluene-d8
Concen: 45.310 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006631.D
Acq: 19 Dec 2018 06:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 274.694 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ135I-20181208MS

Tot Ion: 43 Resp: 1864180

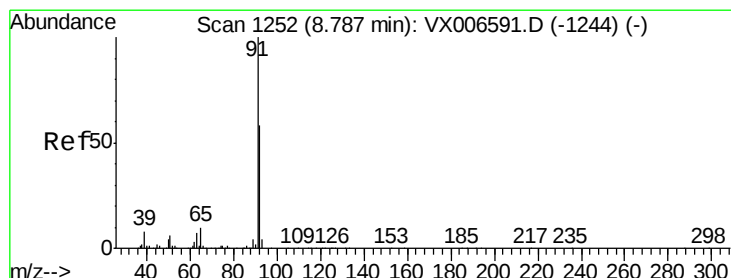
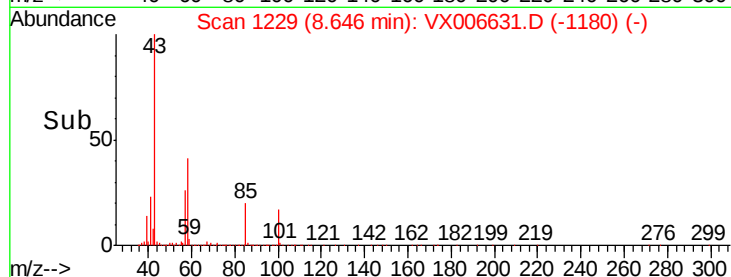
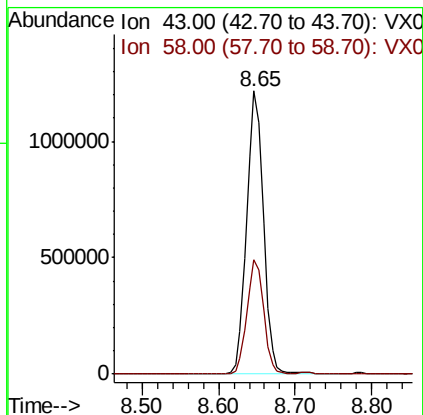
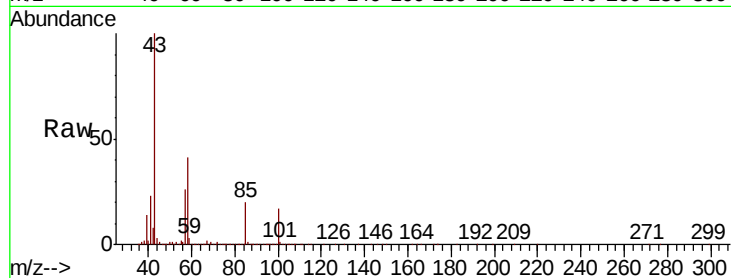
Ion Ratio Lower Upper

43 100

58 40.0 31.3 46.9

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#52

Toluene

Concen: 51.460 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006631.D

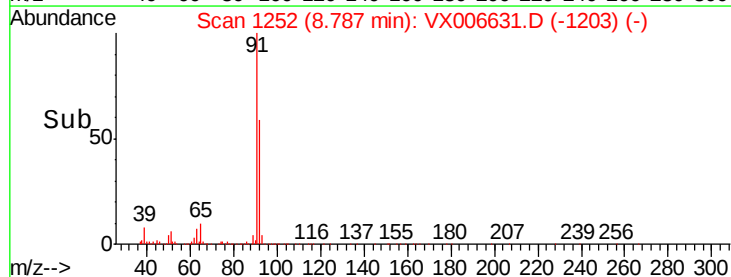
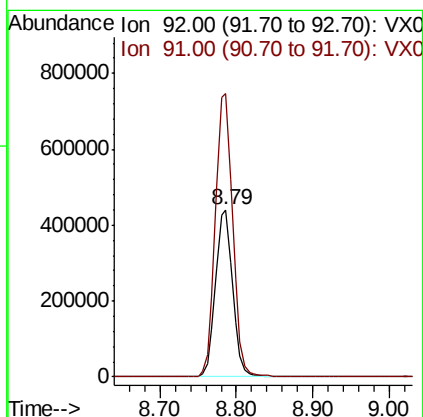
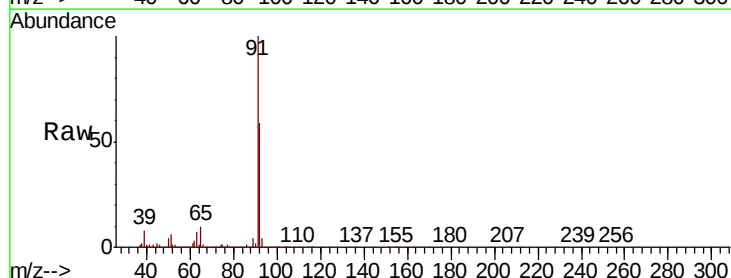
Acq: 19 Dec 2018 06:58

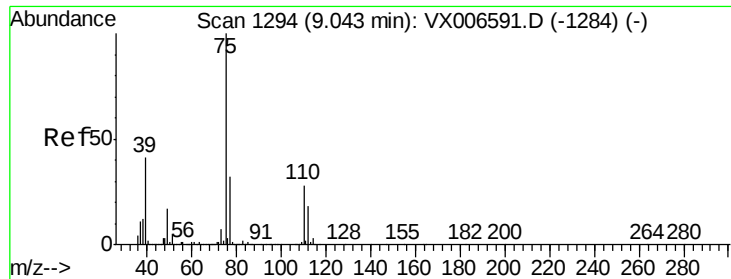
Tgt Ion: 92 Resp: 680609

Ion Ratio Lower Upper

92 100

91 172.7 139.2 208.8





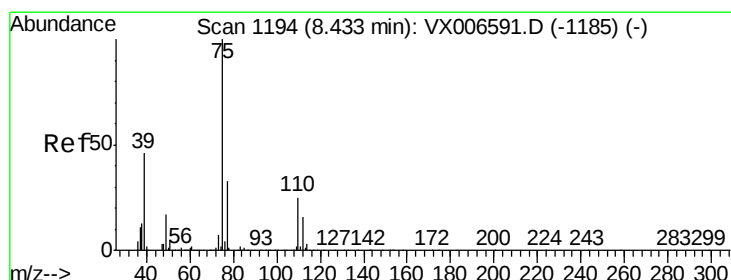
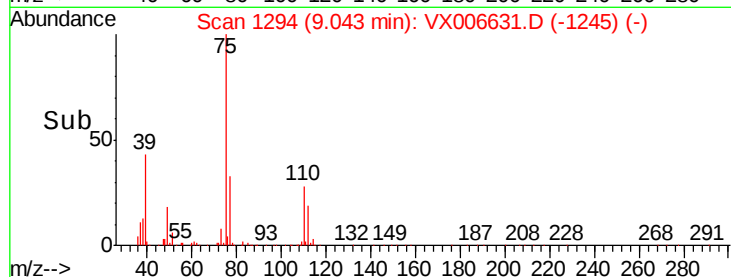
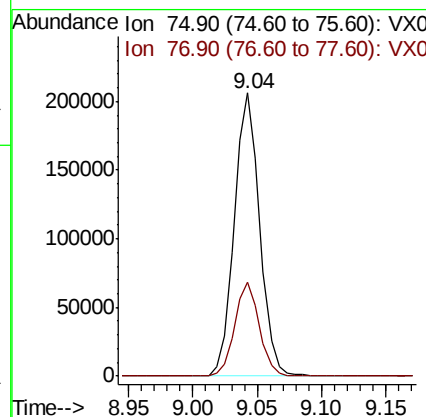
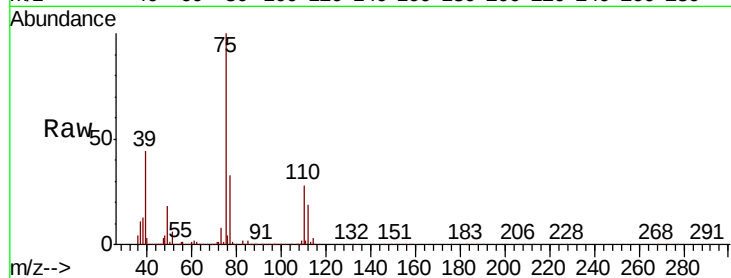
#53
t-1,3-Dichloropropene
Concen: 43.698 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX006631.D
Acq: 19 Dec 2018 06:58

Instrument :
MSVOA_X
ClientSampleId :
SA.PZ135I-20181208MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.0	37.4

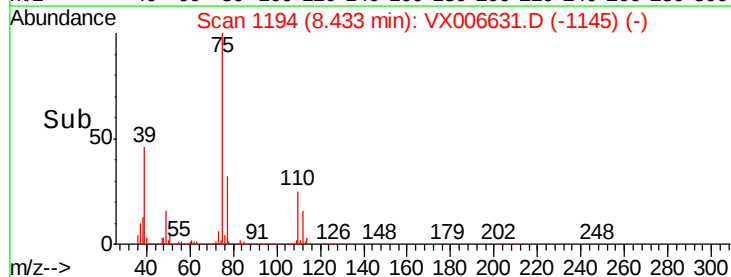
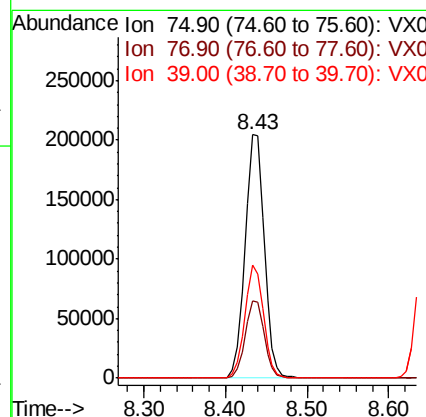
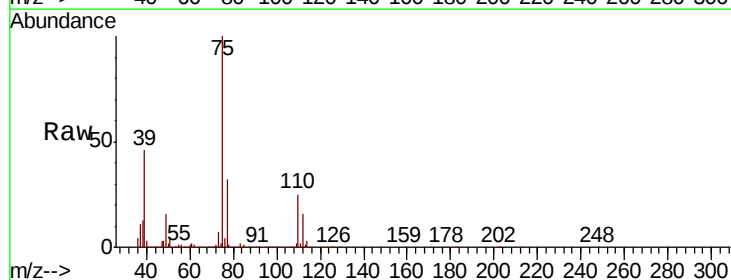
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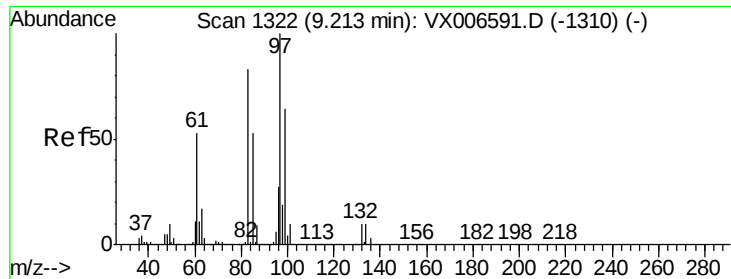
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#54
cis-1,3-Dichloropropene
Concen: 46.127 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX006631.D
Acq: 19 Dec 2018 06:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.6	38.4
39	46.1	36.5	54.7





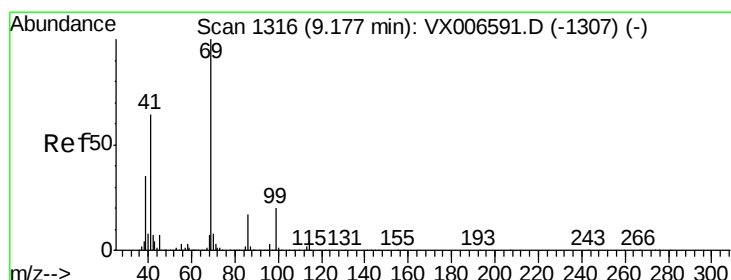
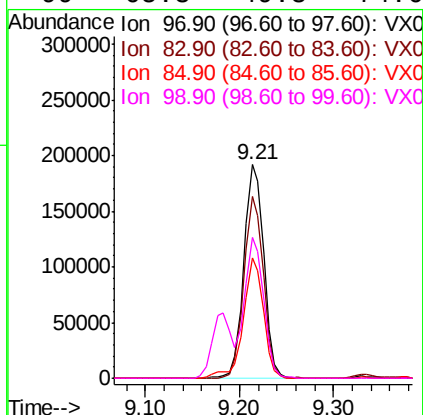
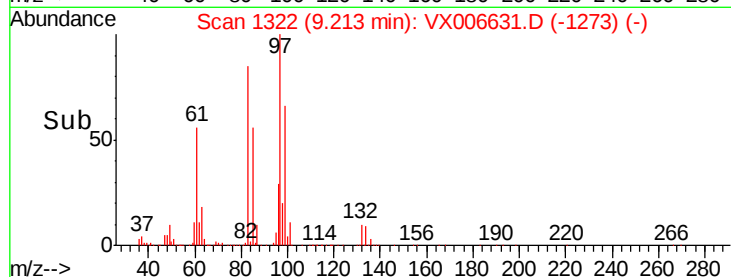
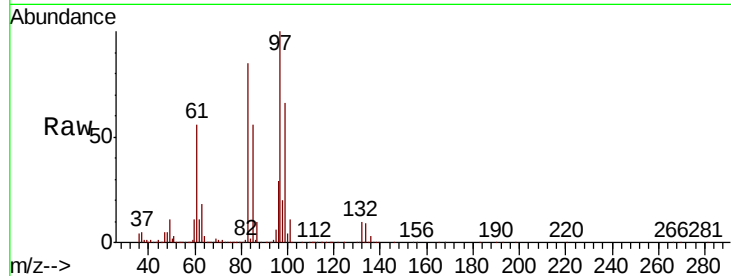
#55
 1,1,2-Trichloroethane
 Concen: 52.416 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX006631.D
 Acq: 19 Dec 2018 06:58

Instrument :
 MSVOA_X
 ClientSampleId :
 SA.PZ135I-20181208MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		283761		
83	84.8	67.1	100.7		
85	56.3	43.2	64.8		
99	65.8	49.8	74.6		

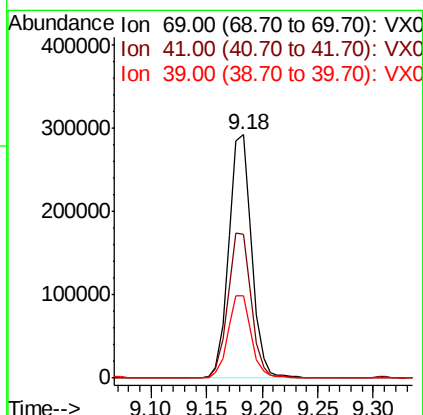
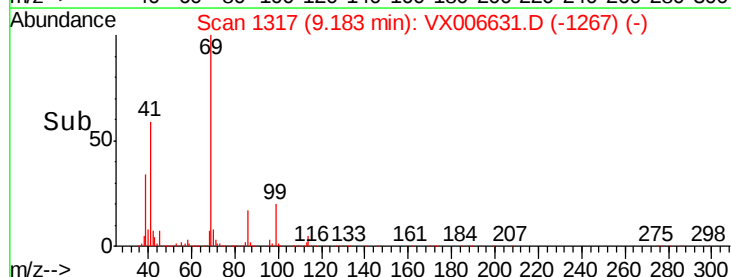
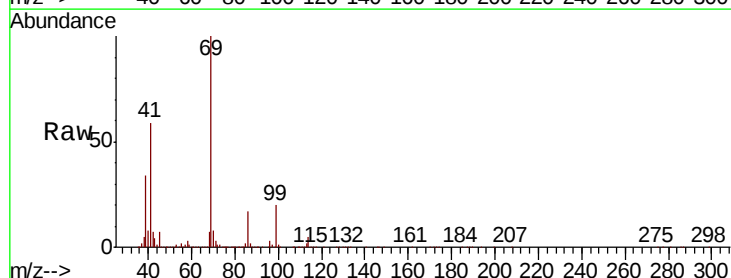
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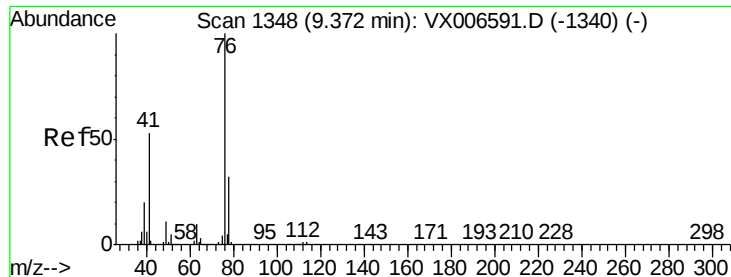
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#56
 Ethyl methacrylate
 Concen: 54.104 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VX006631.D
 Acq: 19 Dec 2018 06:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		413970		
41	60.9	50.6	76.0		
39	34.4	27.6	41.4		





#57

1,3-Dichloropropane

Concen: 52.089 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ135I-20181208MS

Tot Ion: 76 Resp: 453690

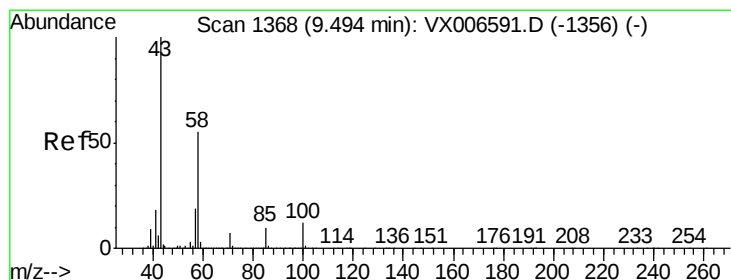
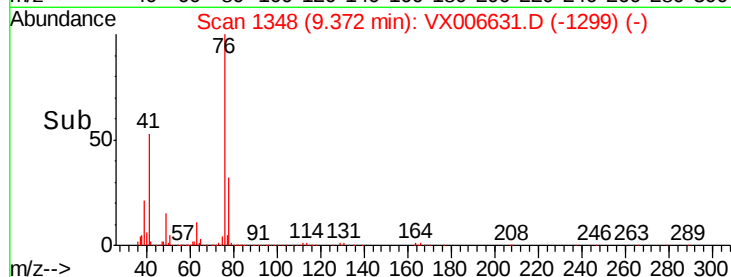
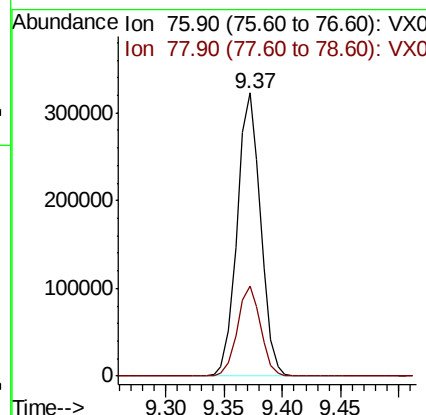
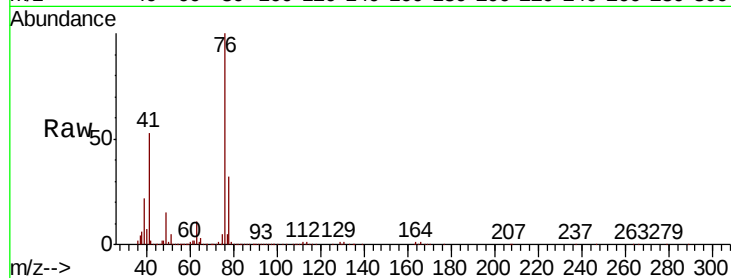
Ion Ratio Lower Upper

76 100

78 31.6 26.1 39.1

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#59

2-Hexanone

Concen: 274.170 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VX006631.D

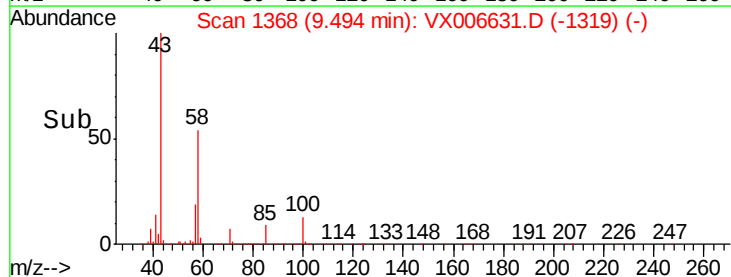
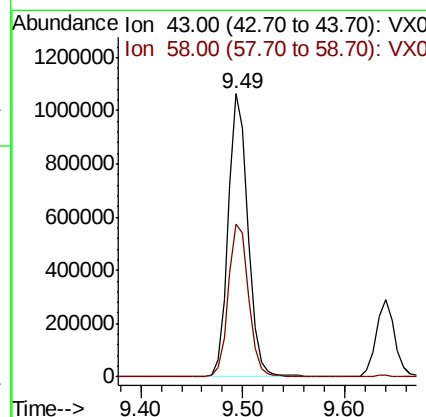
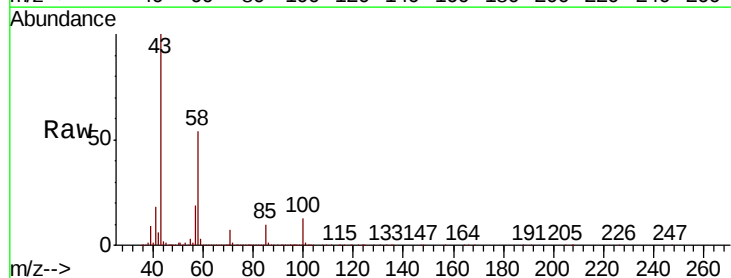
Acq: 19 Dec 2018 06:58

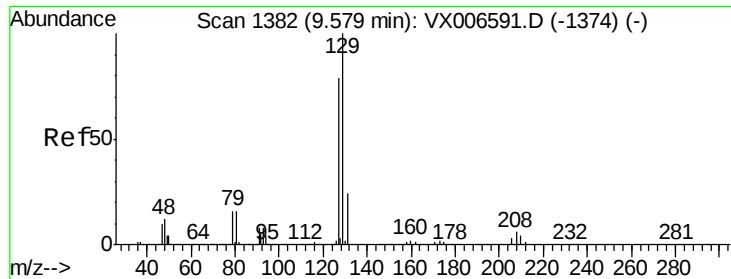
Tgt Ion: 43 Resp: 1423598

Ion Ratio Lower Upper

43 100

58 55.7 27.7 83.1





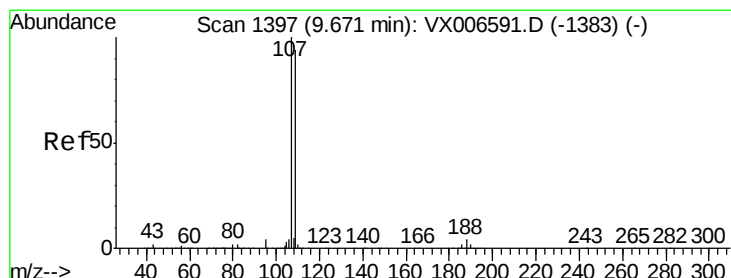
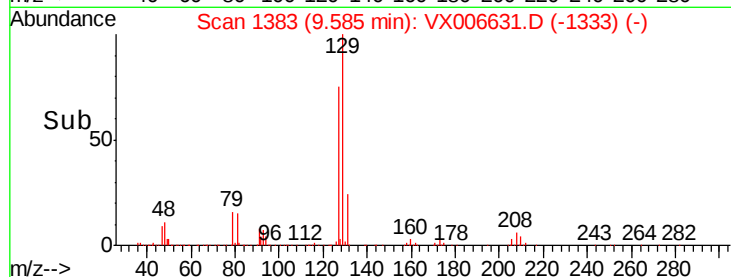
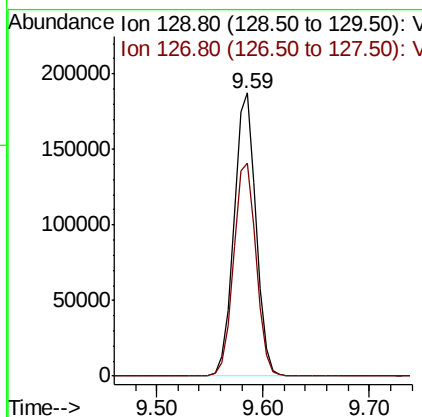
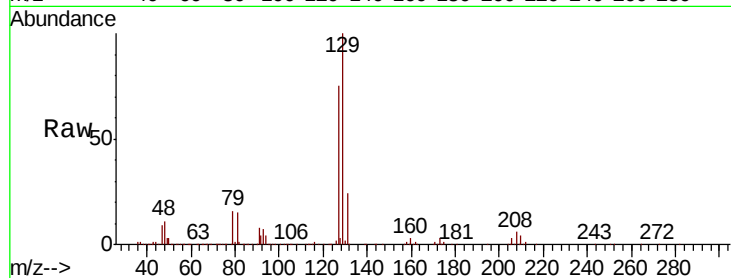
#60
 Dibromochloromethane
 Concen: 47.816 ug/l
 RT: 9.59 min Scan# 1383
 Delta R.T. 0.01 min
 Lab File: VX006631.D
 Acq: 19 Dec 2018 06:58

Instrument :
 MSVOA_X
 ClientSampleId :
 SA.PZ135I-20181208MS

Tot Ion	Ion	Ratio	Lower	Upper
270129	129	100		
	127	77.3	38.6	115.8

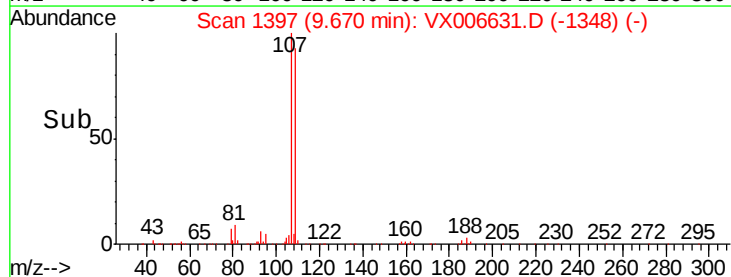
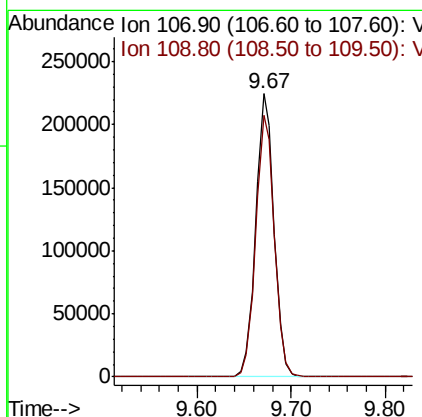
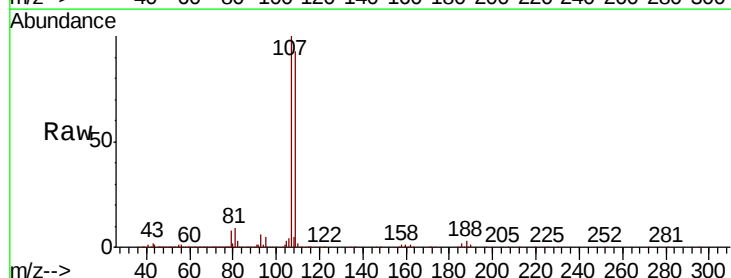
Manual Integrations
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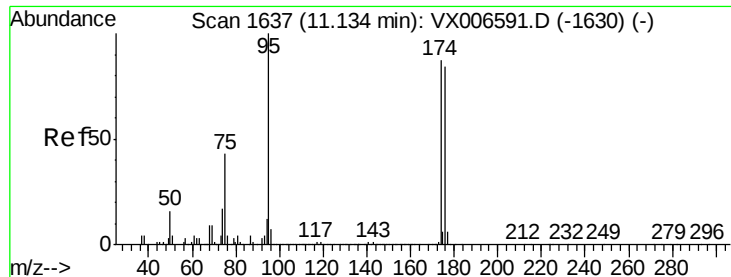
MMDadoda
 12/19/2018 11:22:59 AM



#61
 1,2-Dibromoethane
 Concen: 53.503 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX006631.D
 Acq: 19 Dec 2018 06:58

Tgt Ion	Ion	Ratio	Lower	Upper
307900	107	100		
	109	94.2	76.3	114.5





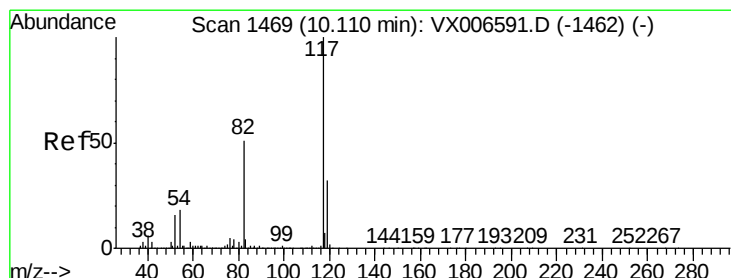
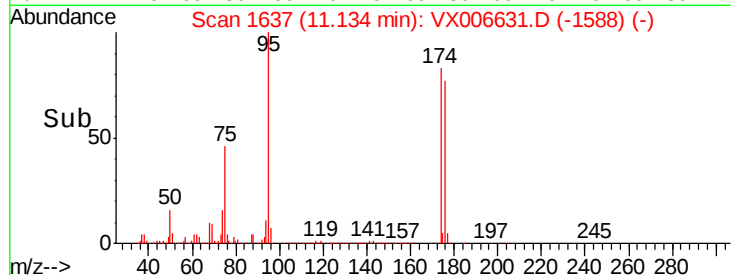
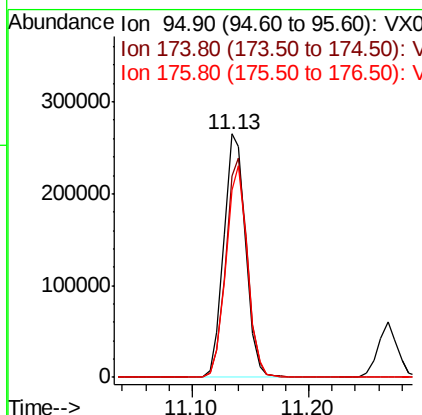
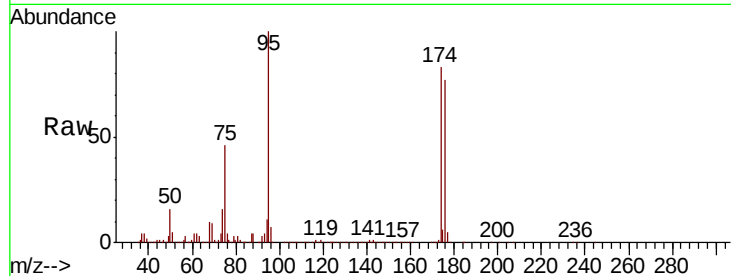
#62
4-Bromofluorobenzene
Concen: 48.304 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX006631.D
Acq: 19 Dec 2018 06:58

Instrument :
MSVOA_X
ClientSampleId :
SA.PZ135I-20181208MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	342973		
174	89.0	0.0	187.0	
176	85.6	0.0	181.8	

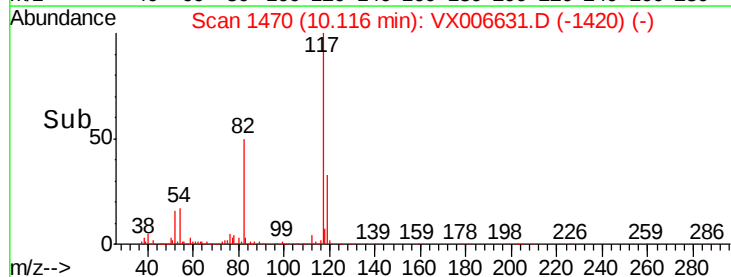
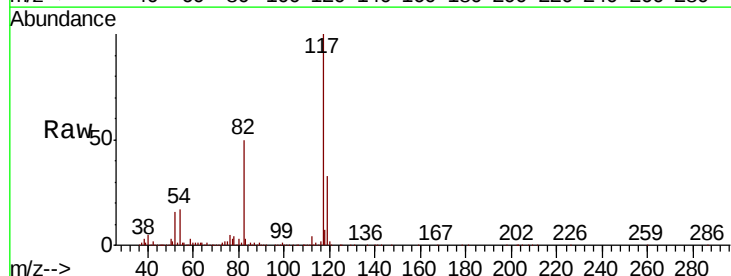
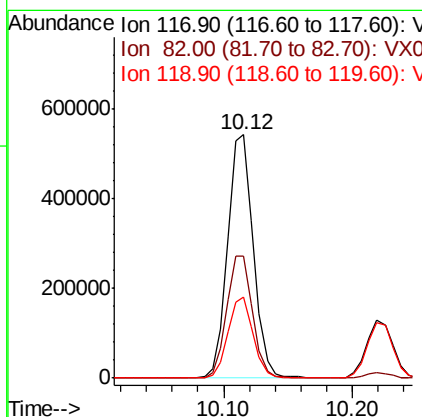
Manual Integrations
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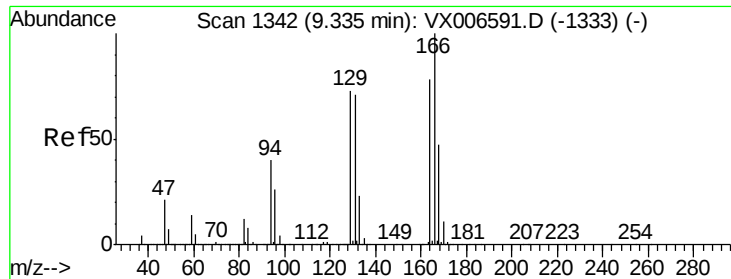
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006631.D
Acq: 19 Dec 2018 06:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	760238		
82	50.2	39.6	59.4	
119	33.1	26.3	39.5	





#64

Tetrachloroethene

Concen: 45.665 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ135I-20181208MS

Tot Ion:164 Resp: 274899

Ion Ratio Lower Upper

164 100

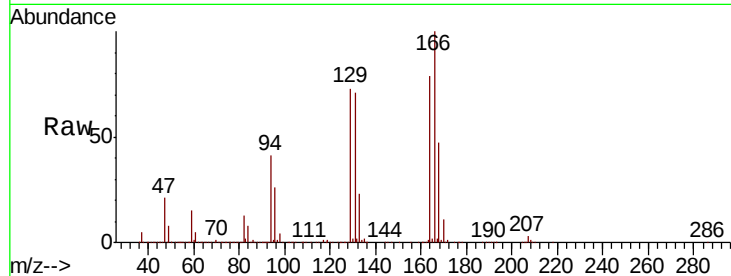
166 126.7 104.2 156.2

129 92.8 72.6 108.8

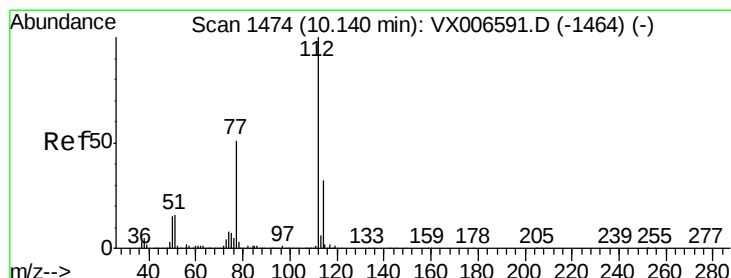
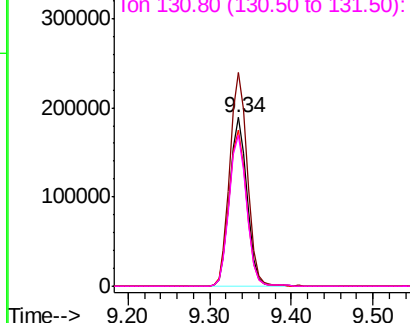
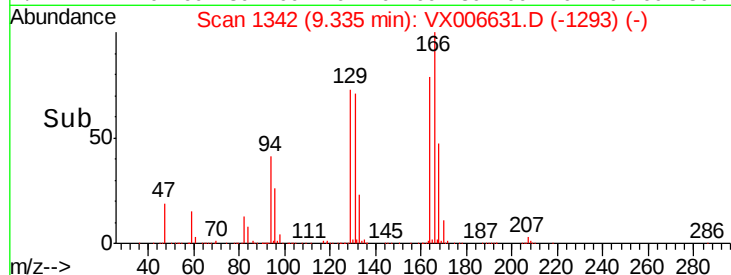
131 89.6 70.3 105.5

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Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 49.419 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX006631.D

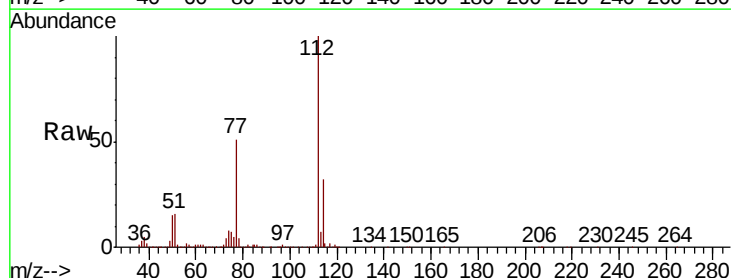
Acq: 19 Dec 2018 06:58

Tgt Ion:112 Resp: 794838

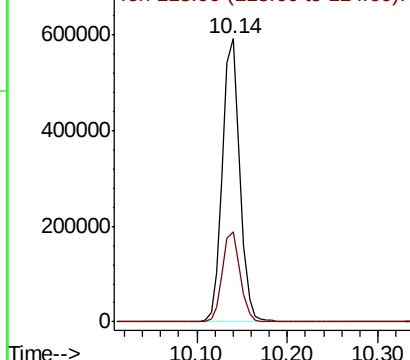
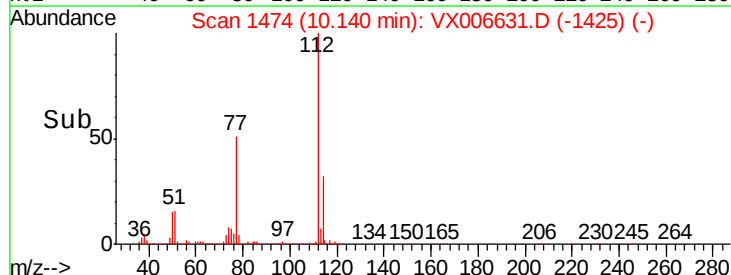
Ion Ratio Lower Upper

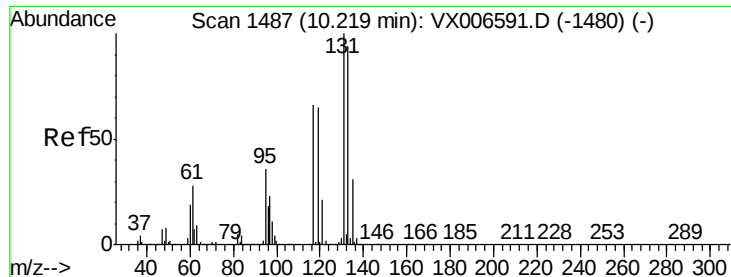
112 100

114 31.8 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 52.929 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Instrument :

MSVOA_X

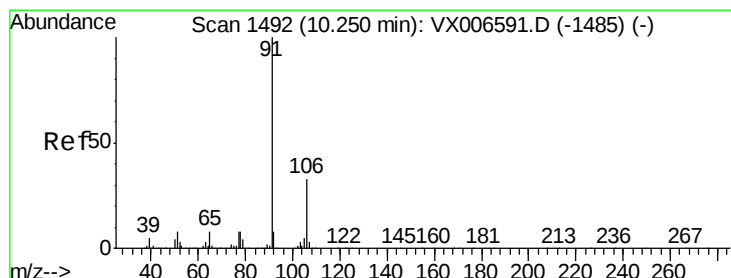
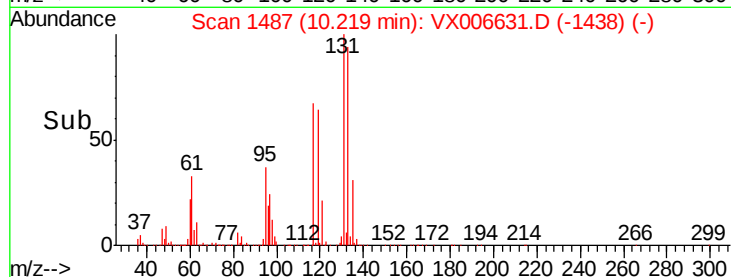
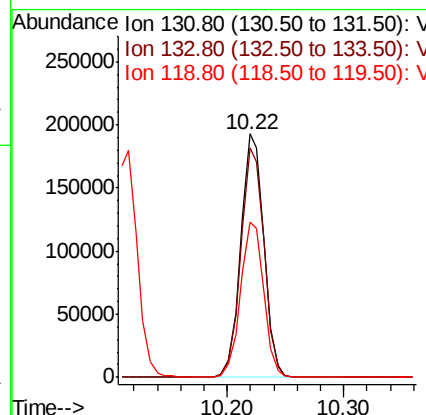
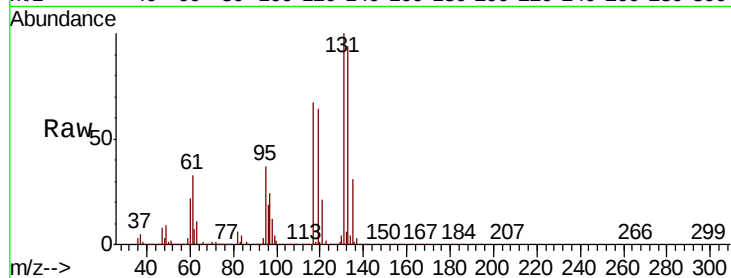
ClientSampleId :

SA.PZ135I-20181208MS

Tot Ion:	131	Resp:	265599
Ion Ratio	Lower	Upper	
131	100		
133	95.2	48.1	144.4
119	64.3	32.1	96.3

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#67

Ethyl Benzene

Concen: 49.665 ug/l

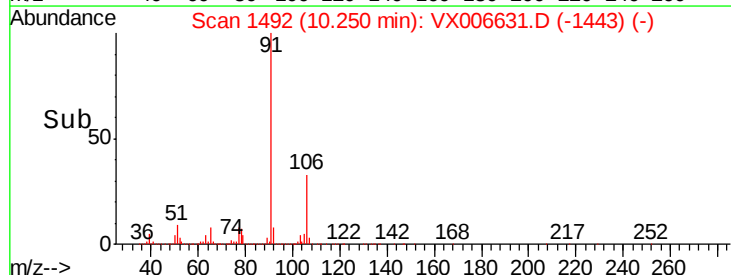
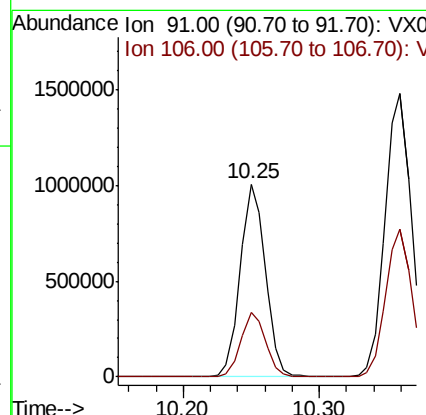
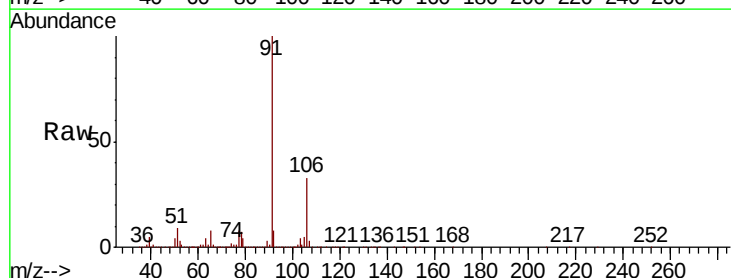
RT: 10.25 min Scan# 1492

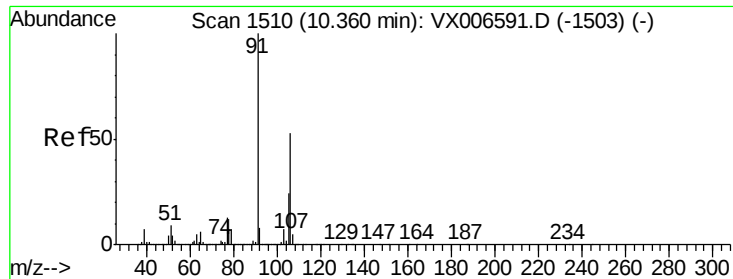
Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Tgt Ion:	91	Resp:	1305270
Ion Ratio	Lower	Upper	
91	100		
106	33.3	26.5	39.7





#68

m/p-Xvlenes

Concen: 100.068 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ135I-20181208MS

Tot Ion:106 Resp: 1037765

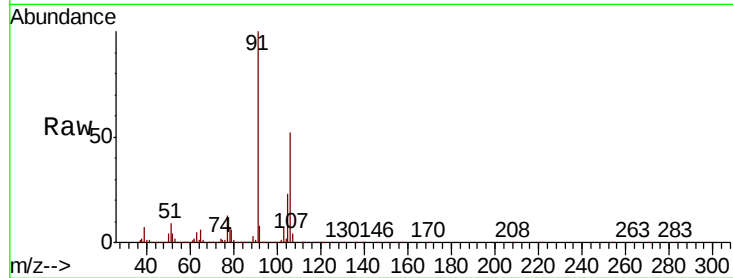
Ion Ratio Lower Upper

106 100

91 194.1 155.2 232.8

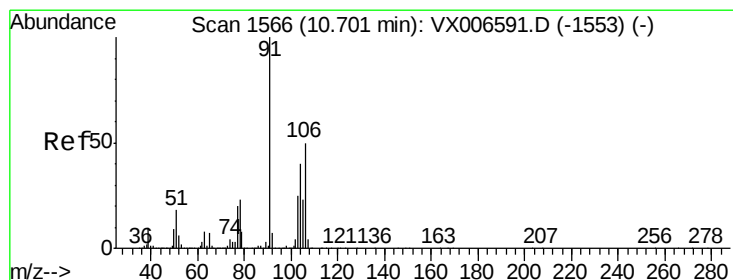
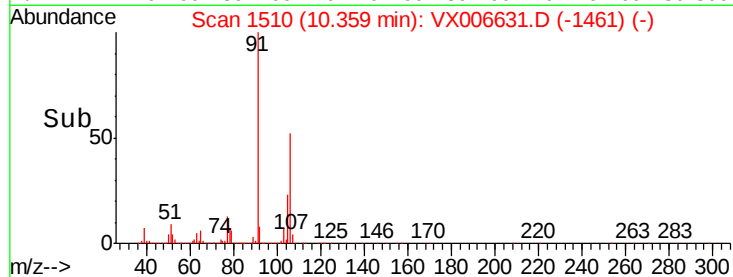
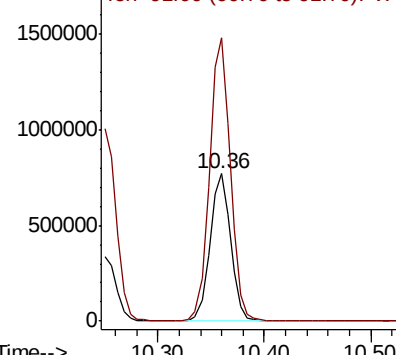
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 50.616 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VX006631.D

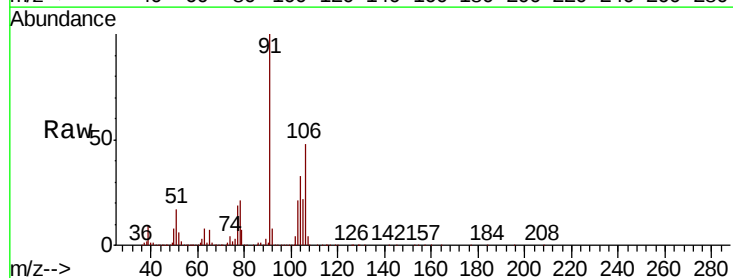
Acq: 19 Dec 2018 06:58

Tgt Ion:106 Resp: 518349

Ion Ratio Lower Upper

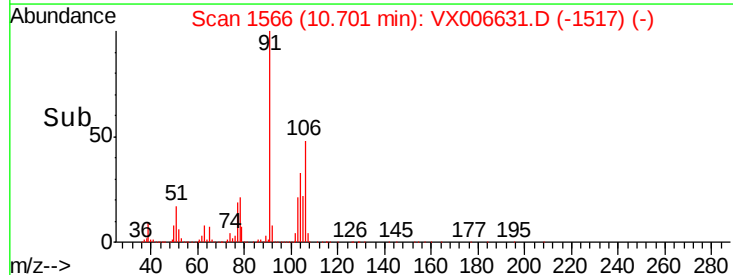
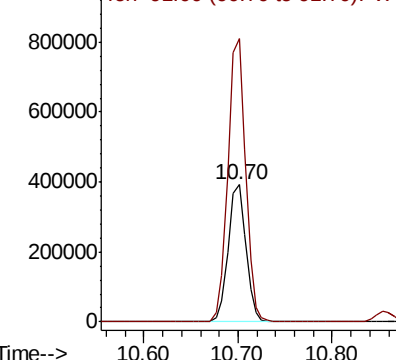
106 100

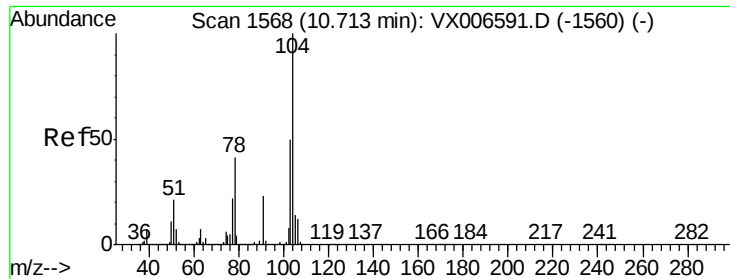
91 205.2 101.8 305.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#70

Stvrene

Concen: 51.762 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Instrument :

MSVOA_X

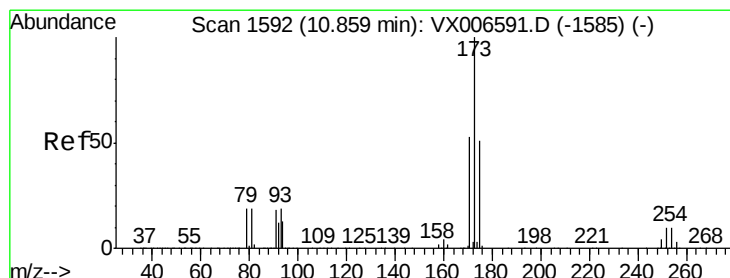
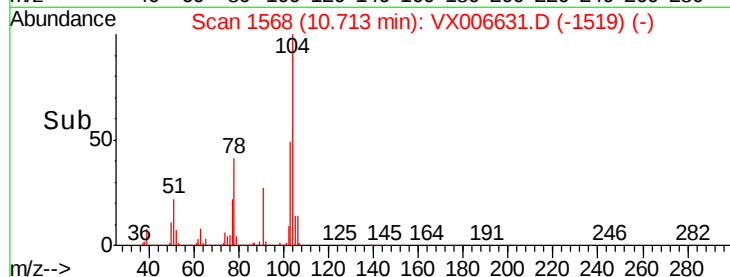
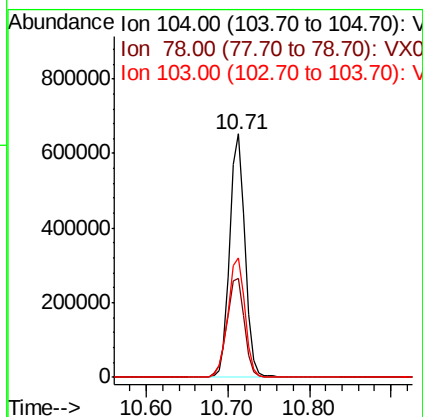
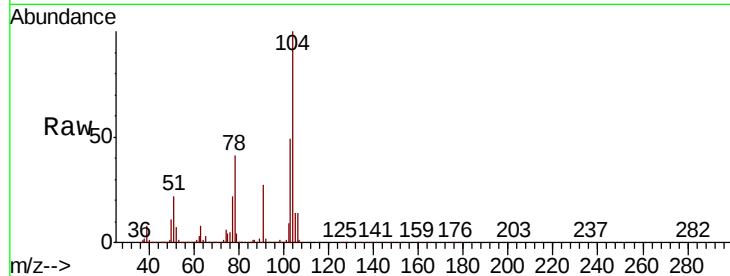
ClientSampleId :

SA.PZ135I-20181208MS

Tot Ion:	104	Resp:	838620
Ion Ratio	Lower	Upper	
104	100		
78	47.0	37.2	55.8
103	54.9	43.5	65.3

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#71

Bromoform

Concen: 43.463 ug/l

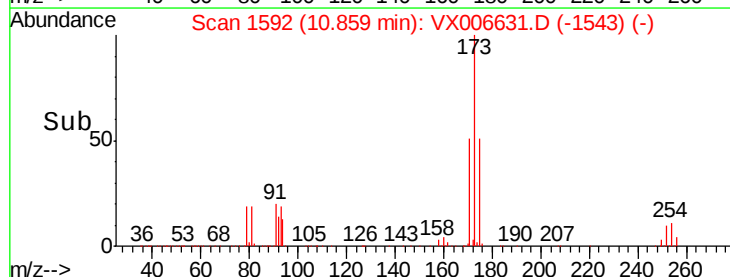
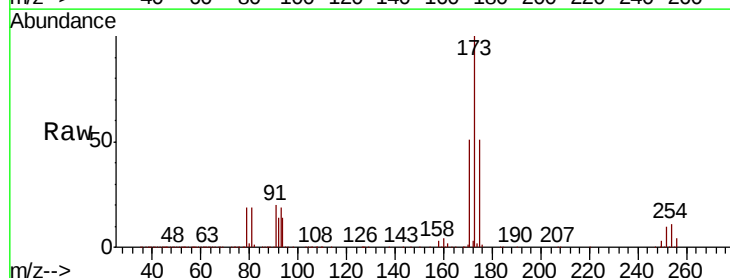
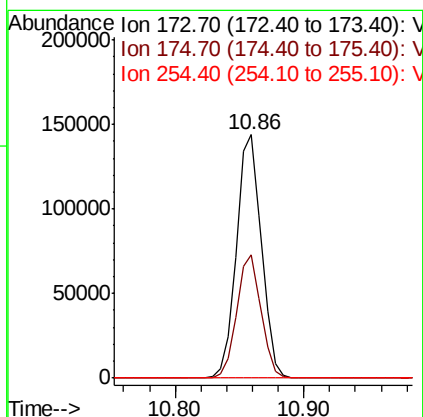
RT: 10.86 min Scan# 1592

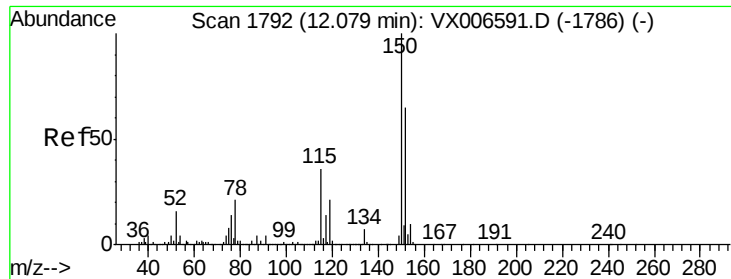
Delta R.T. 0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Tgt Ion:	173	Resp:	193830
Ion Ratio	Lower	Upper	
173	100		
175	49.6	24.6	73.8
254	0.1	0.2	0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Instrument :

MSVOA_X

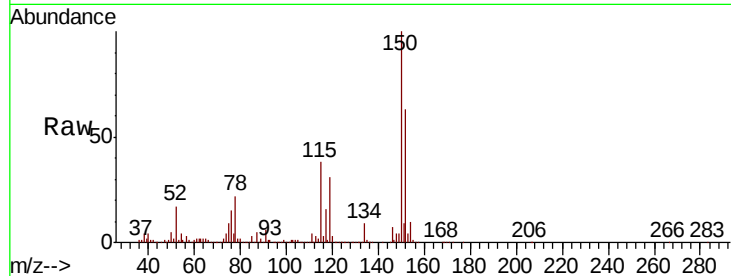
ClientSampleId :

SA.PZ135I-20181208MS

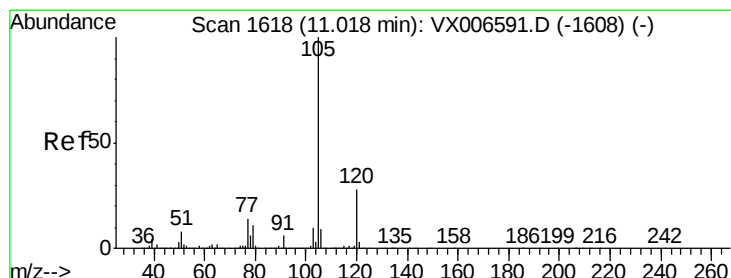
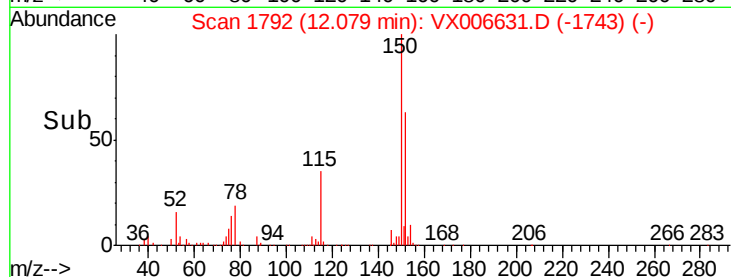
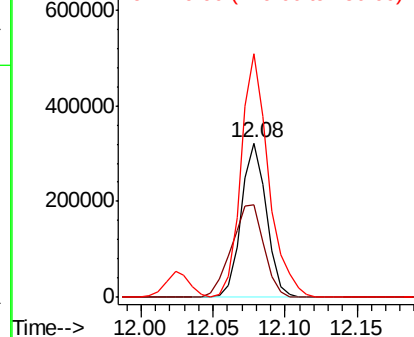
Tot Ion:	152	Resp:	390586
Ion Ratio	Lower	Upper	
152	100		
115	78.2	39.0	116.9
150	172.9	0.0	345.8

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



#73

Isopropylbenzene

Concen: 50.385 ug/l

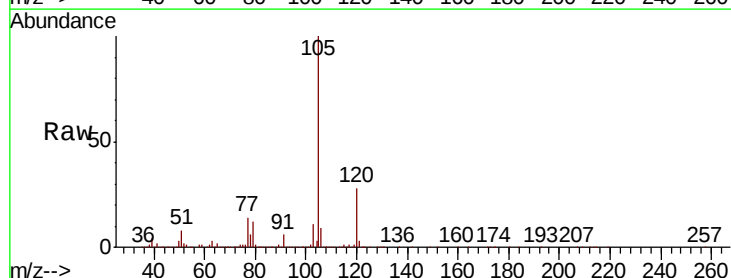
RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

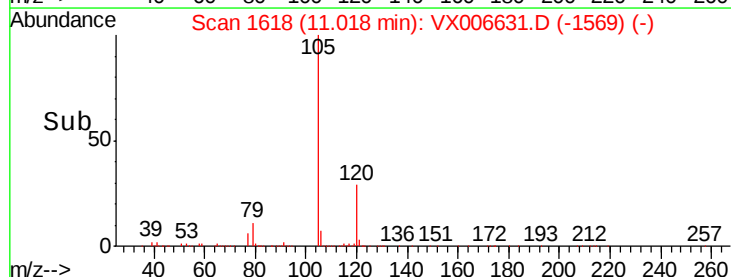
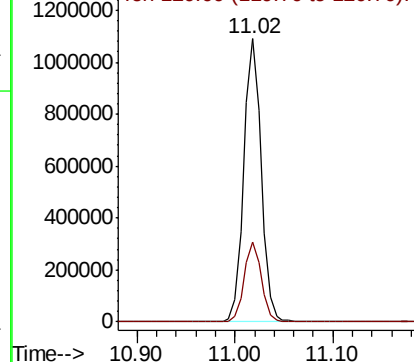
Lab File: VX006631.D

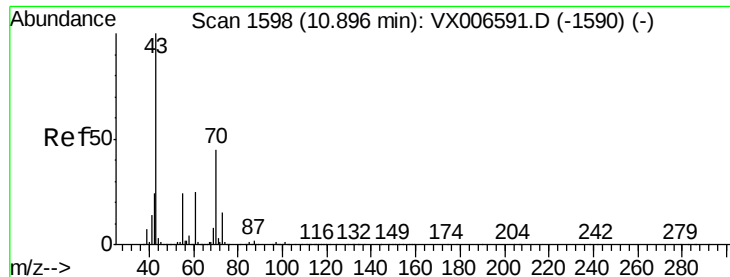
Acq: 19 Dec 2018 06:58

Tgt Ion:	105	Resp:	1346335
Ion Ratio	Lower	Upper	
105	100		
120	27.9	14.1	42.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 36.853 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Instrument :

MSVOA_X

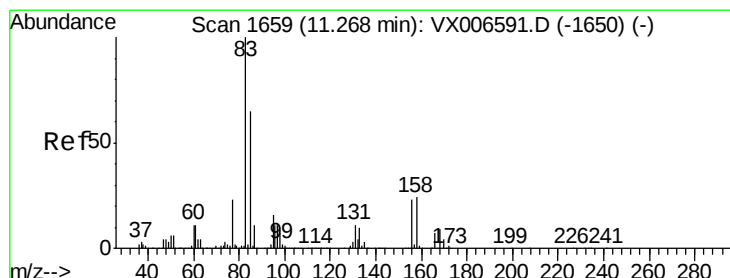
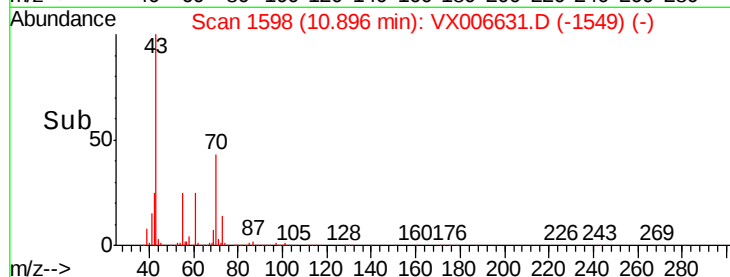
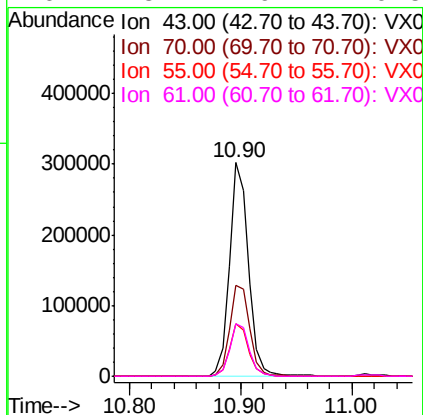
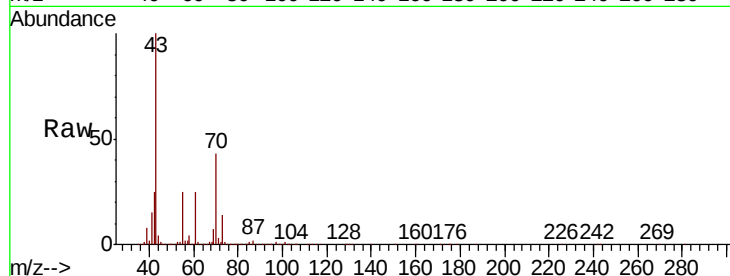
ClientSampleId :

SA.PZ135I-20181208MS

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
70	45.2	34.1	51.1	
55	24.6	17.8	26.8	
61	25.1	19.7	29.5	

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#75

1,1,2,2-Tetrachloroethane

Concen: 53.779 ug/l

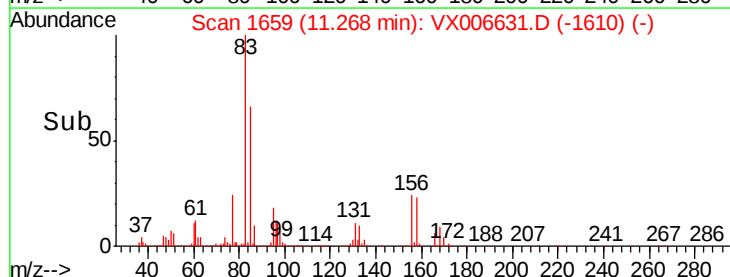
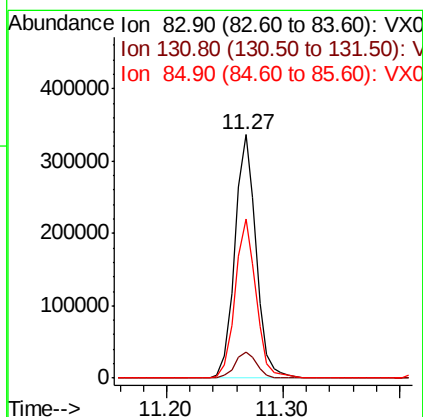
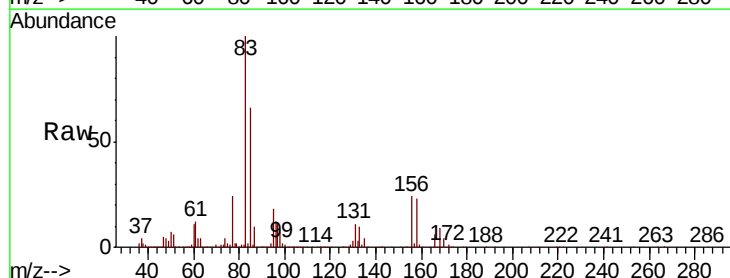
RT: 11.27 min Scan# 1659

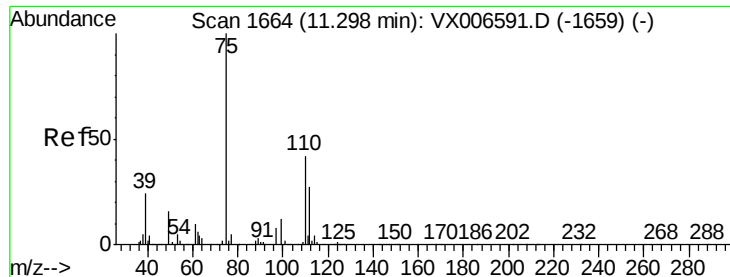
Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
131	11.1	5.7	17.1	
85	64.8	32.1	96.5	





#76

1,2,3-Trichloropropane

Concen: 55.838 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ135I-20181208MS

Tot Ion: 75 Resp: 382248

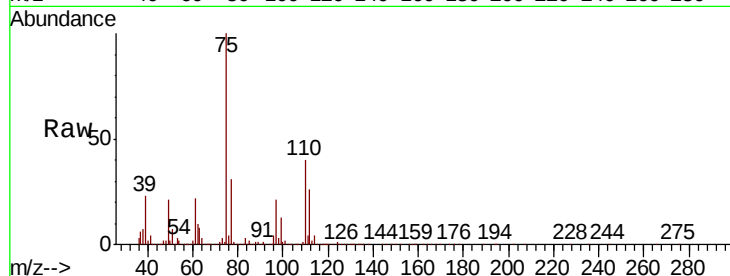
Ion Ratio Lower Upper

75 100

77 35.4 19.9 59.7

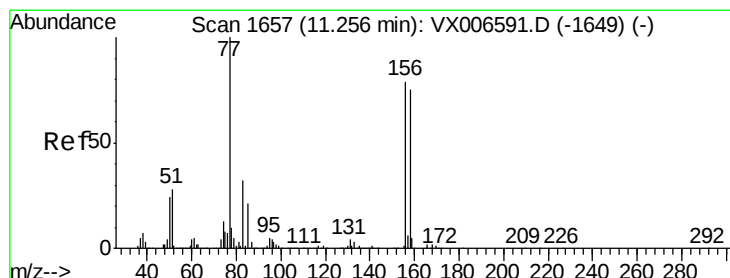
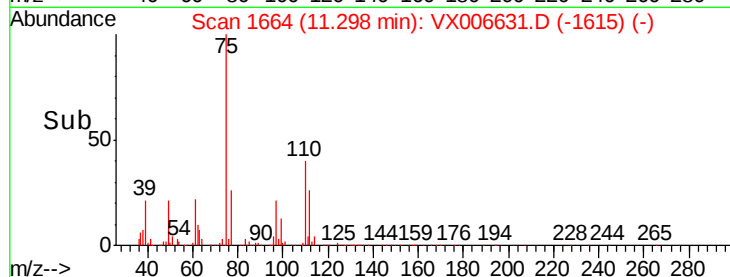
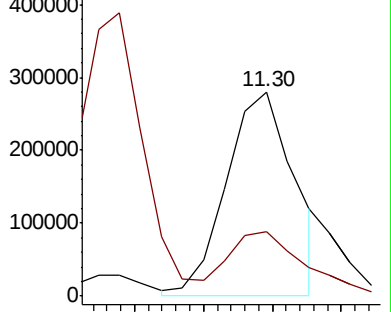
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 51.097 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

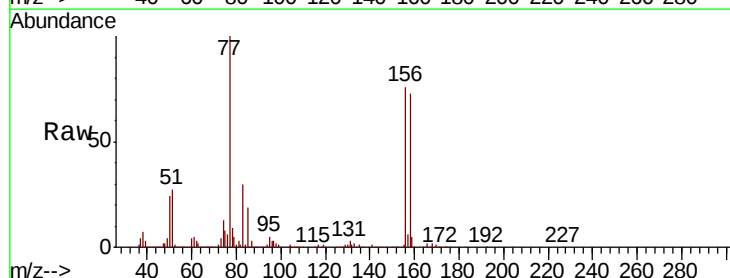
Tgt Ion: 156 Resp: 369130

Ion Ratio Lower Upper

156 100

77 138.4 66.2 198.6

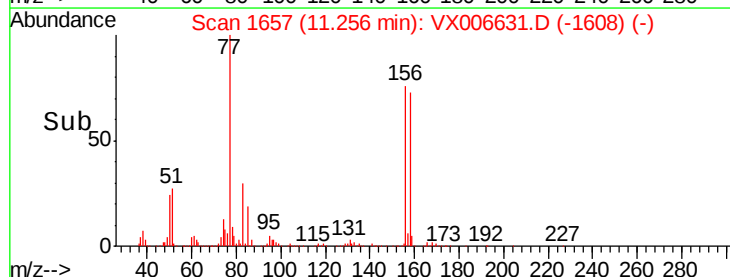
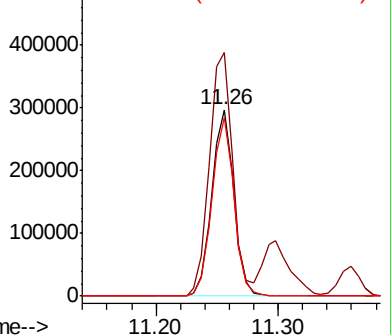
158 96.1 48.8 146.4

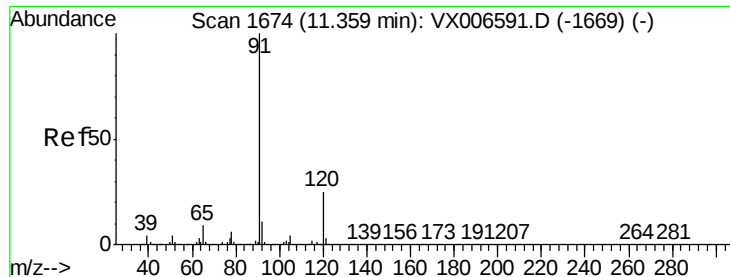


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 49.854 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ135I-20181208MS

Tot Ion: 91 Resp: 1466938

Ion Ratio Lower Upper

91 100

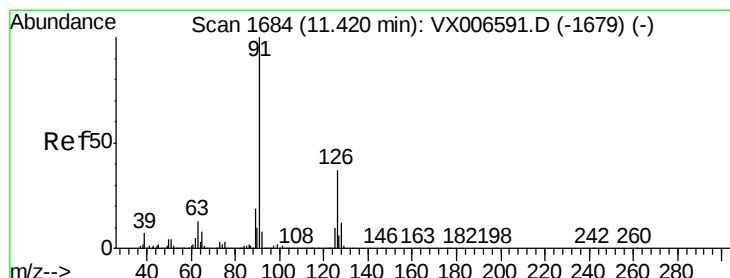
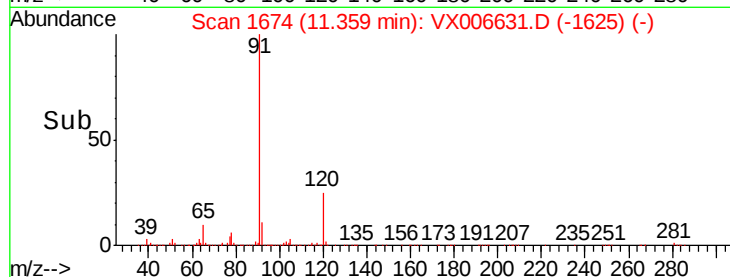
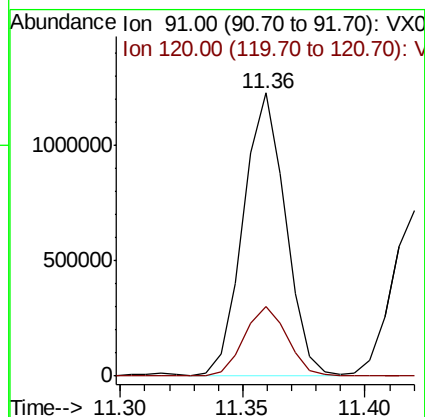
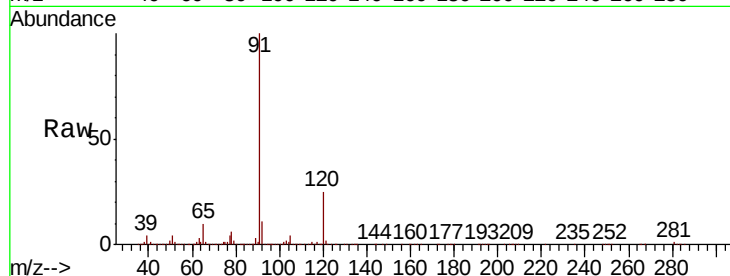
120 25.1 12.7 38.0

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#79

2-Chlorotoluene

Concen: 49.983 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006631.D

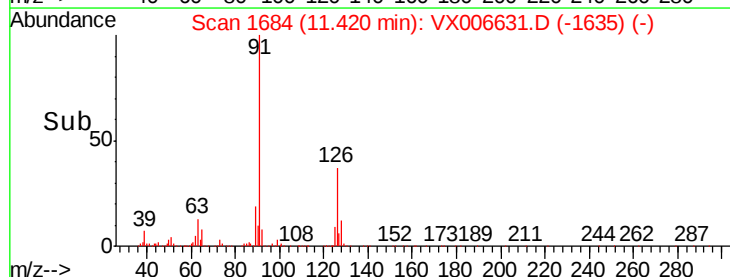
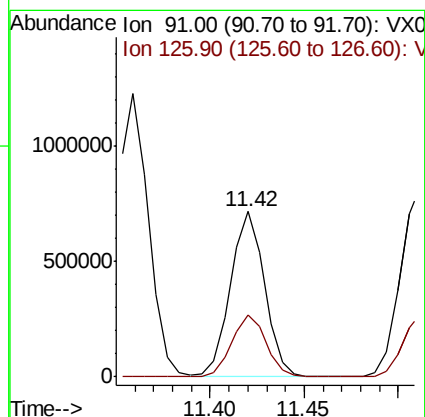
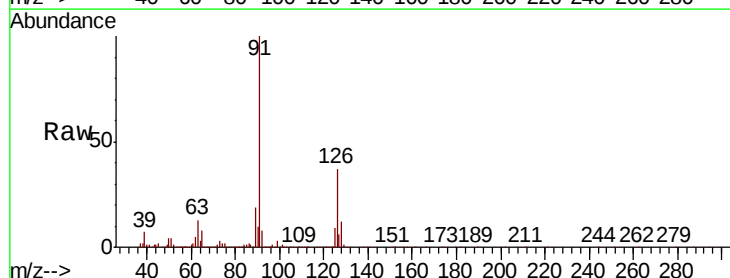
Acq: 19 Dec 2018 06:58

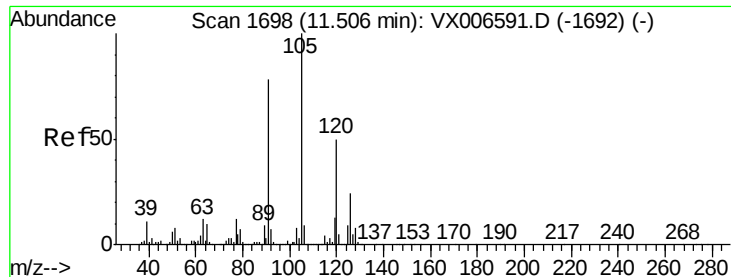
Tgt Ion: 91 Resp: 891287

Ion Ratio Lower Upper

91 100

126 37.8 18.6 56.0





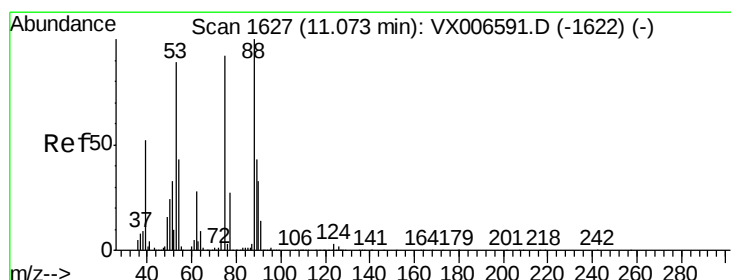
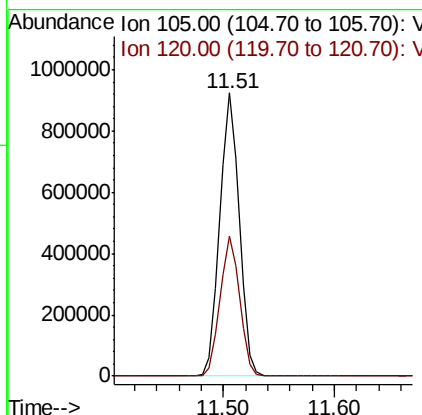
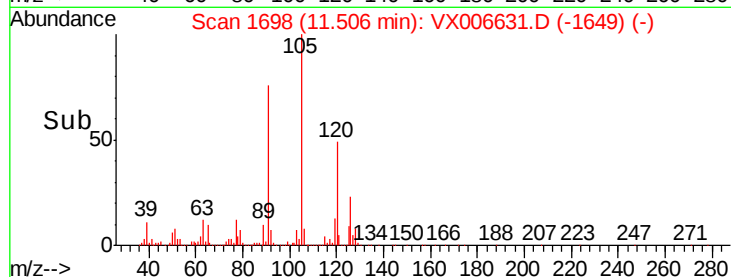
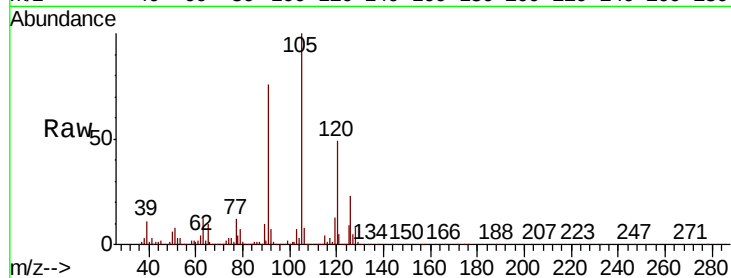
#80
 1,3,5-Trimethylbenzene
 Concen: 50.912 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX006631.D
 Acq: 19 Dec 2018 06:58

Instrument :
 MSVOA_X
 ClientSampleId :
 SA.PZ135I-20181208MS

Tot Ion:105 Resp: 1120516
 Ion Ratio Lower Upper
 105 100
 120 49.4 25.4 76.0

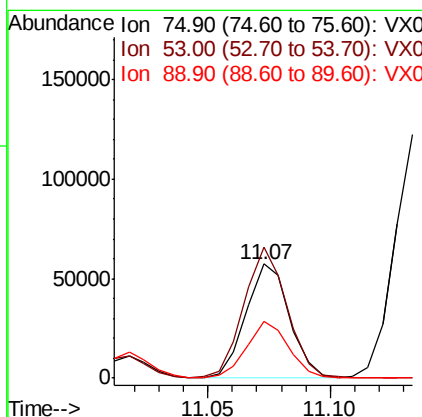
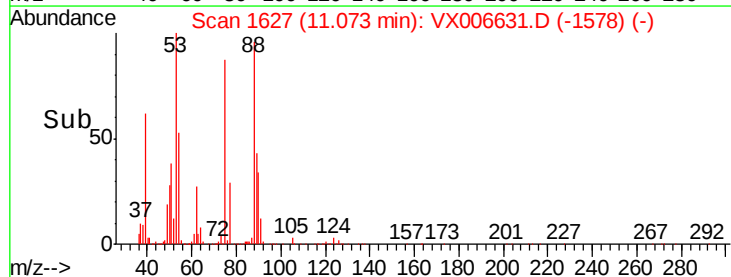
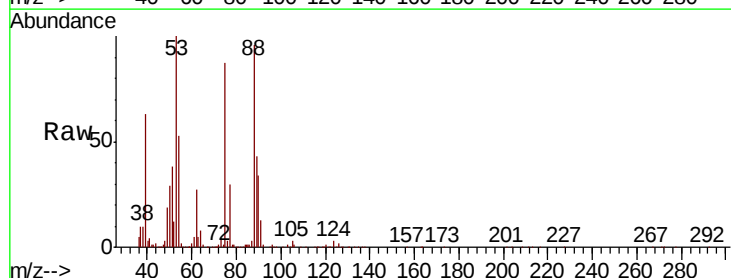
Manual Integrations
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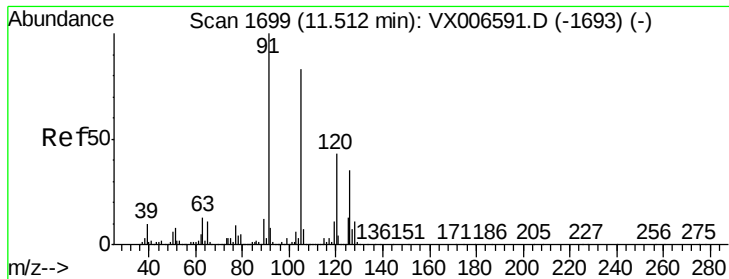
MMDadoda
 12/19/2018 11:22:59 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 31.368 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX006631.D
 Acq: 19 Dec 2018 06:58

Tgt Ion: 75 Resp: 70708
 Ion Ratio Lower Upper
 75 100
 53 112.7 64.4 96.6#
 89 49.1 44.2 66.4





#82

4-Chlorotoluene

Concen: 50.227 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ135I-20181208MS

Tot Ion: 91 Resp: 1027352

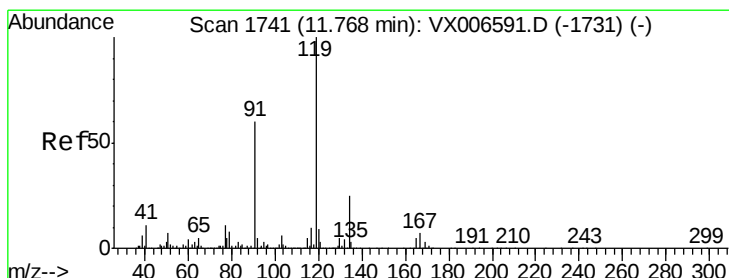
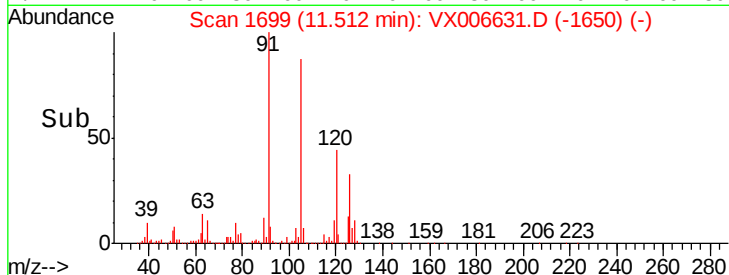
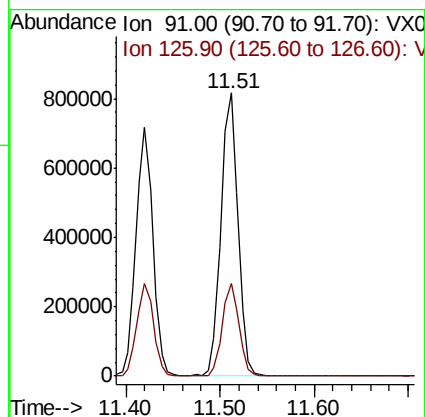
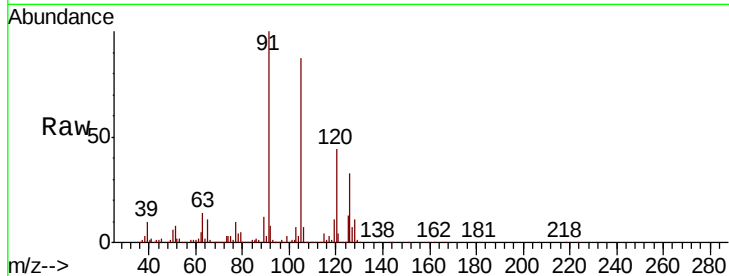
Ion Ratio Lower Upper

91 100

126 32.2 16.4 49.4

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#83

tert-Butylbenzene

Concen: 52.275 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

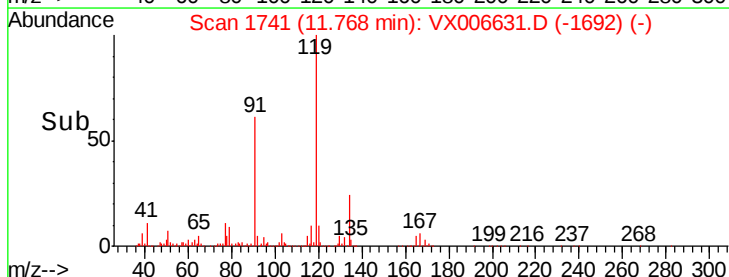
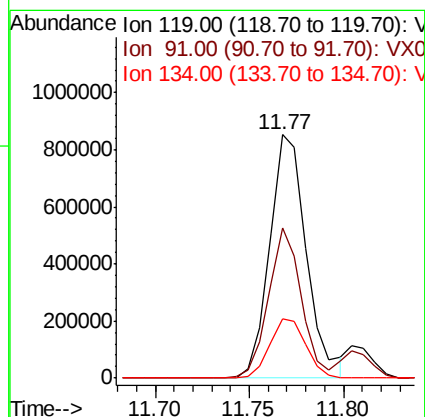
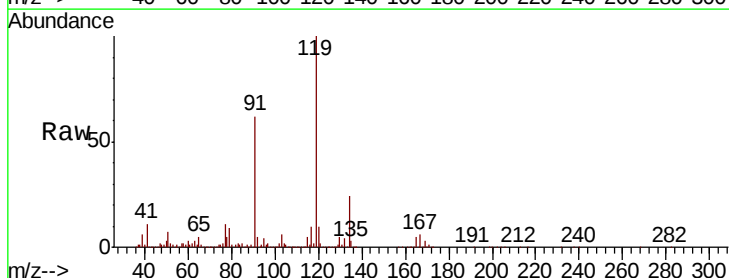
Tgt Ion: 119 Resp: 1151499

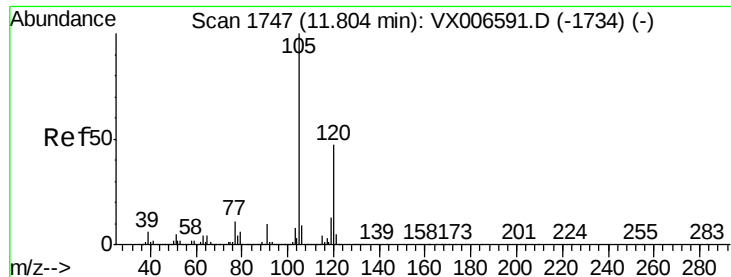
Ion Ratio Lower Upper

119 100

91 54.9 26.4 79.2

134 24.1 11.6 34.7





#84

1,2,4-Trimethylbenzene

Concen: 49.448 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ1351-20181208MS

Tot Ion:105 Resp: 1144712

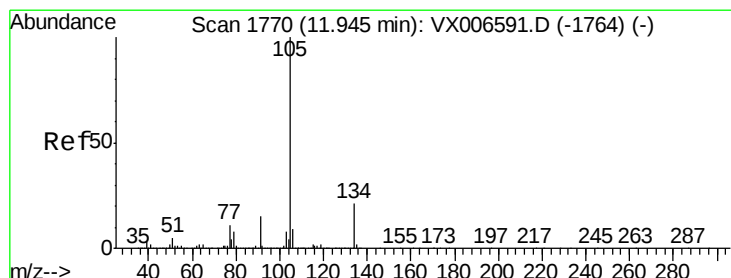
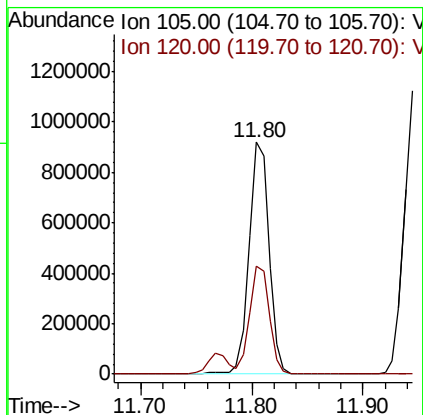
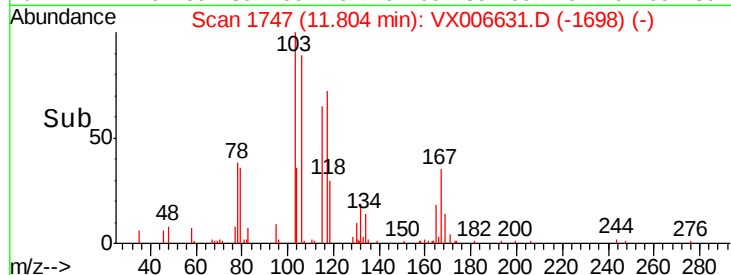
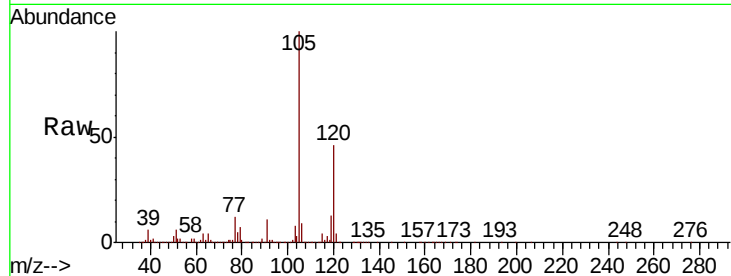
Ion Ratio Lower Upper

105 100

120 46.0 23.4 70.0

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#85

sec-Butylbenzene

Concen: 49.805 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006631.D

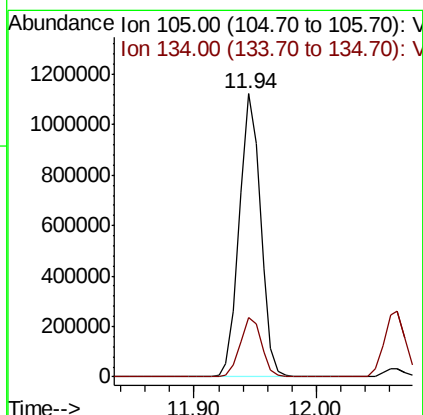
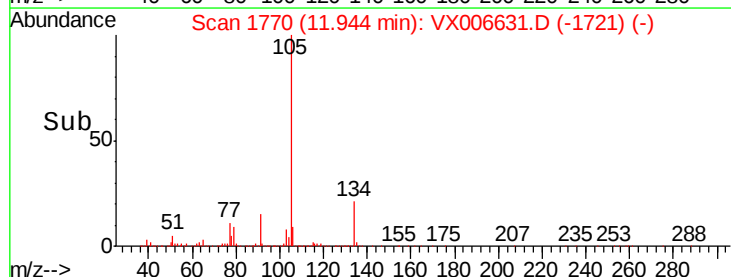
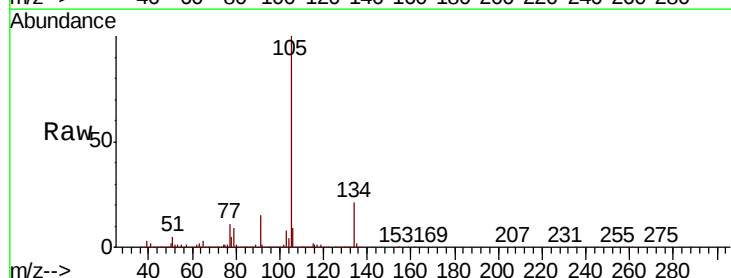
Acq: 19 Dec 2018 06:58

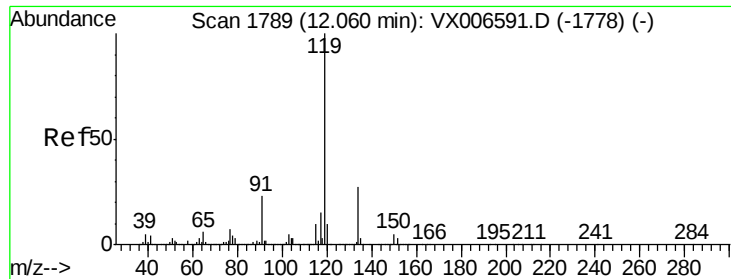
Tgt Ion:105 Resp: 1345073

Ion Ratio Lower Upper

105 100

134 21.1 10.8 32.4





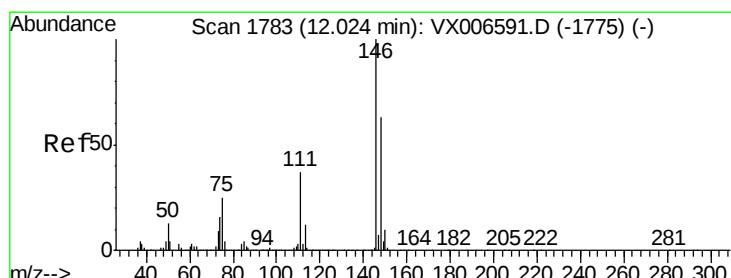
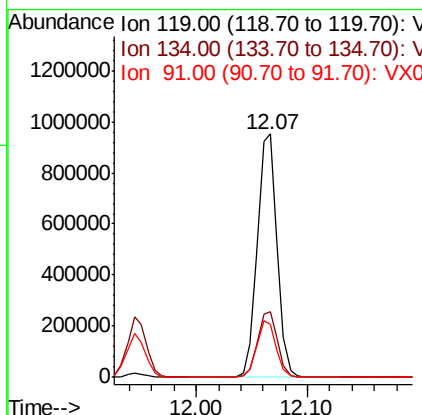
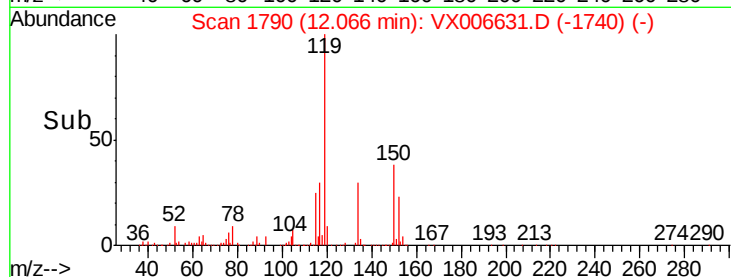
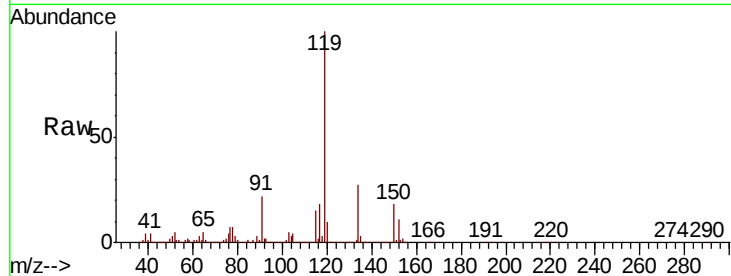
#86
 p-Isopropyltoluene
 Concen: 49.660 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.01 min
 Lab File: VX006631.D
 Acq: 19 Dec 2018 06:58

Instrument :
 MSVOA_X
 ClientSampleId :
 SA.PZ135I-20181208MS

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.9	41.6
91	22.6	11.3	33.8

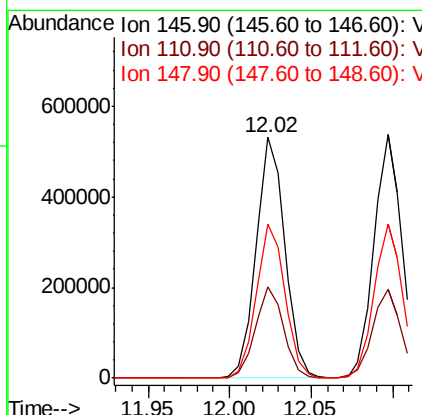
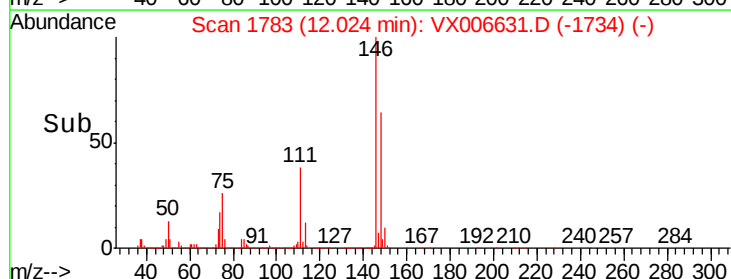
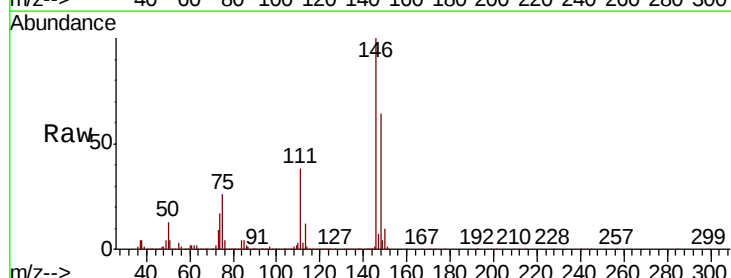
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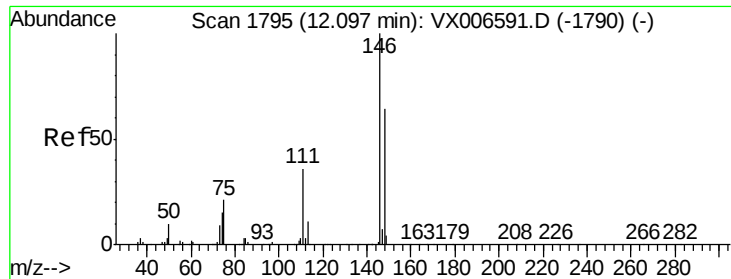
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#87
 1,3-Dichlorobenzene
 Concen: 49.954 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006631.D
 Acq: 19 Dec 2018 06:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.4	55.2
148	64.0	32.0	96.0





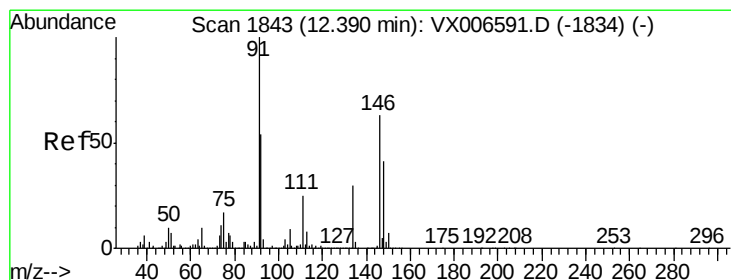
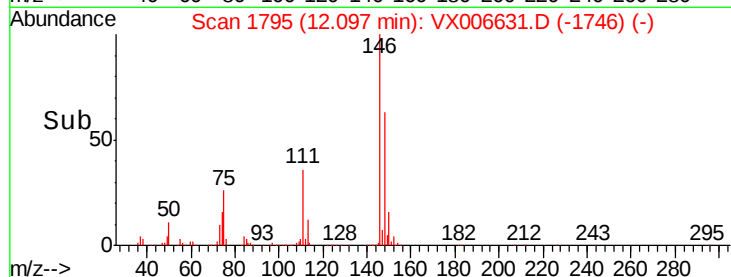
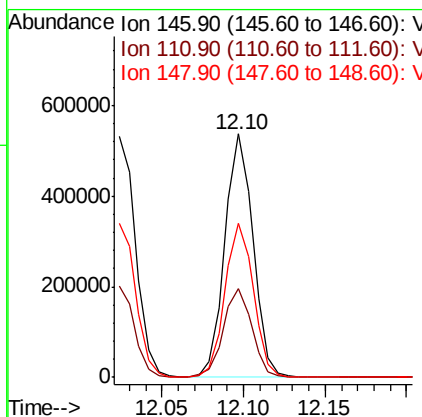
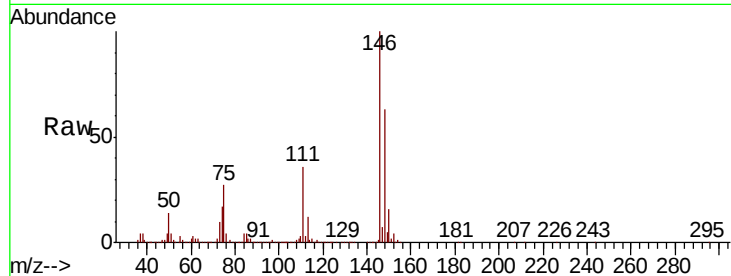
#88
 1,4-Dichlorobenzene
 Concen: 48.290 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006631.D
 Acq: 19 Dec 2018 06:58

Instrument :
 MSVOA_X
 ClientSampleId :
 SA.PZ135I-20181208MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.3	54.8
148	64.0	31.9	95.9

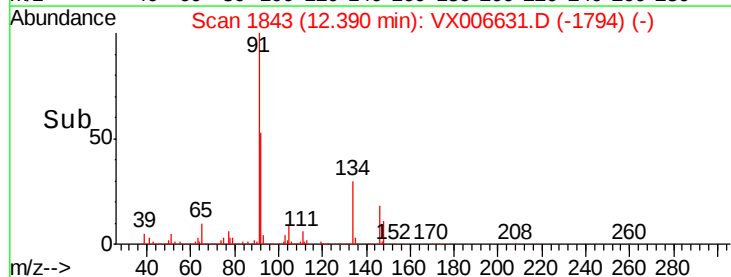
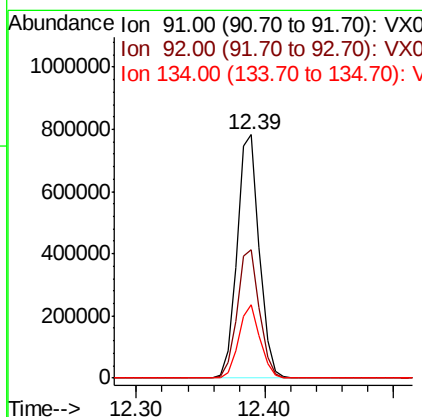
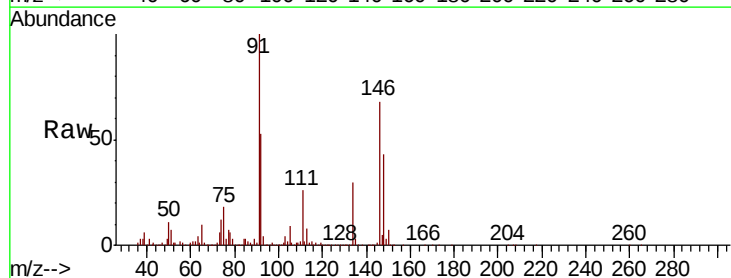
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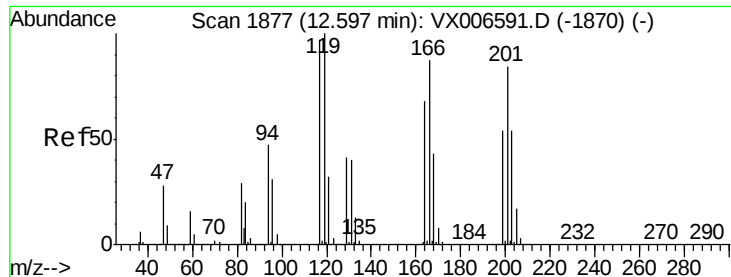
MMDadoda
 12/19/2018 11:22:59 AM



#89
 n-Butylbenzene
 Concen: 46.347 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006631.D
 Acq: 19 Dec 2018 06:58

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.6	79.8
134	28.9	14.8	44.3





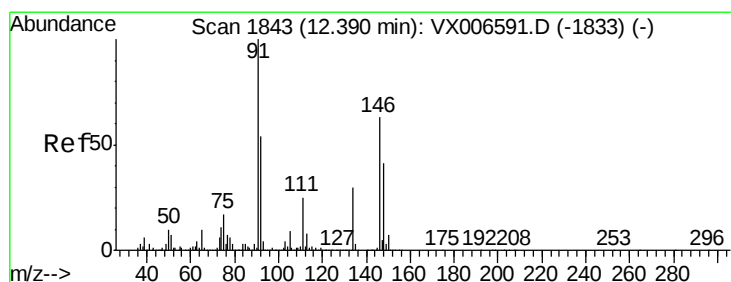
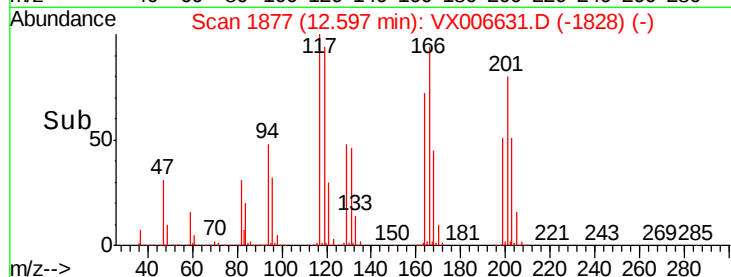
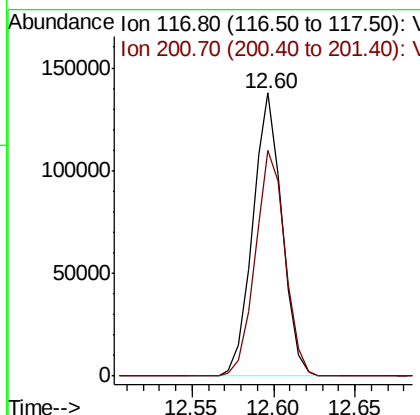
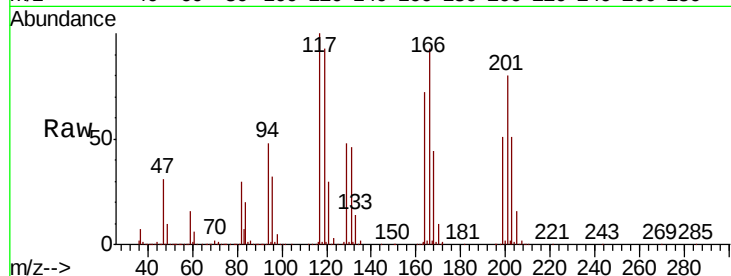
#90
Hexachloroethane
Concen: 46.414 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006631.D
Acq: 19 Dec 2018 06:58

Instrument :
MSVOA_X
ClientSampleId :
SA.PZ135I-20181208MS

Tot Ion:117 Resp: 171509
Ion Ratio Lower Upper
117 100
201 81.1 44.7 134.1

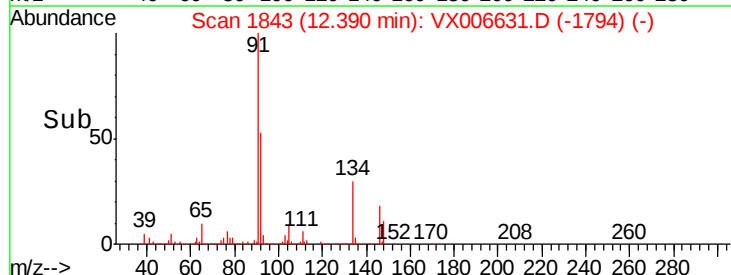
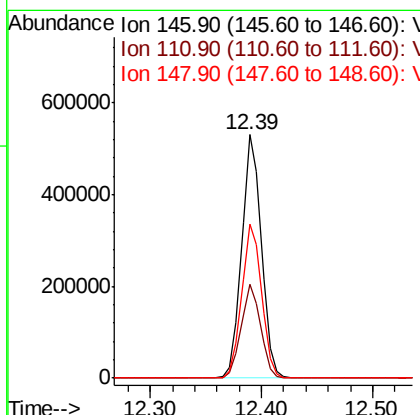
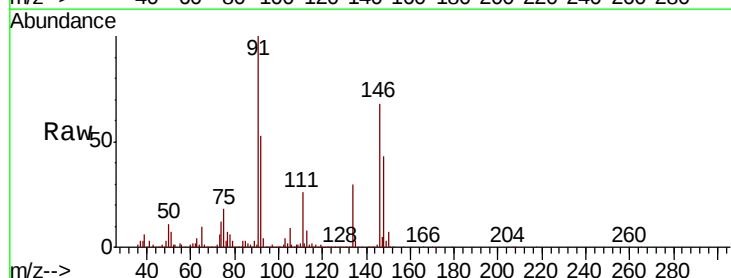
Manual Integrations
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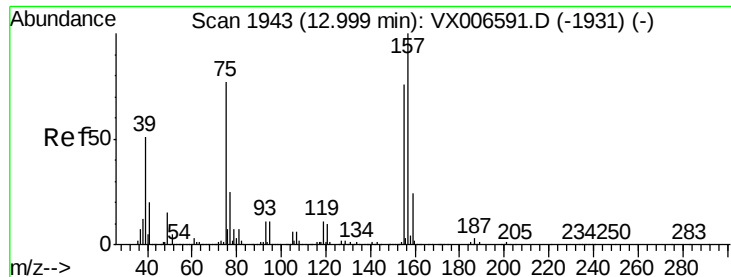
MMDadoda
12/19/2018 11:22:59 AM



#91
1,2-Dichlorobenzene
Concen: 49.759 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006631.D
Acq: 19 Dec 2018 06:58

Tgt Ion:146 Resp: 648061
Ion Ratio Lower Upper
146 100
111 38.4 19.1 57.3
148 64.0 32.1 96.3





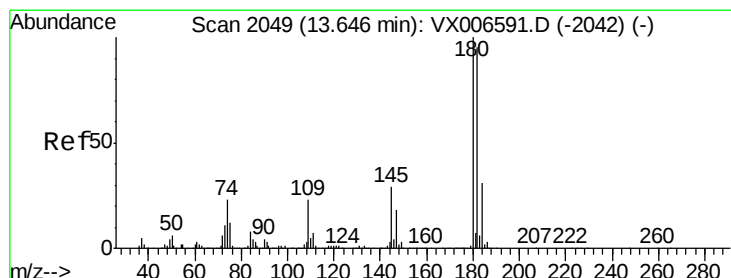
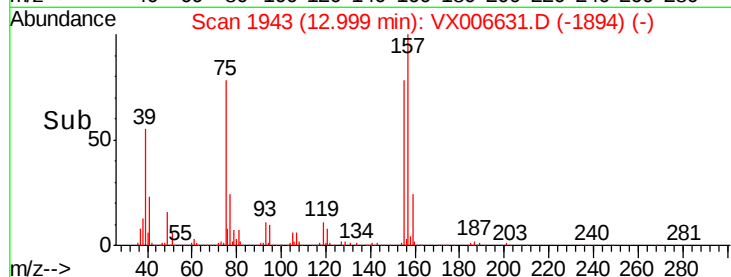
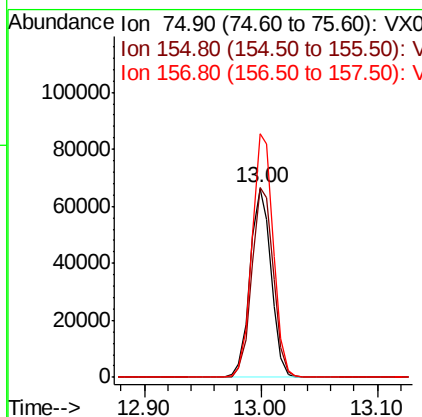
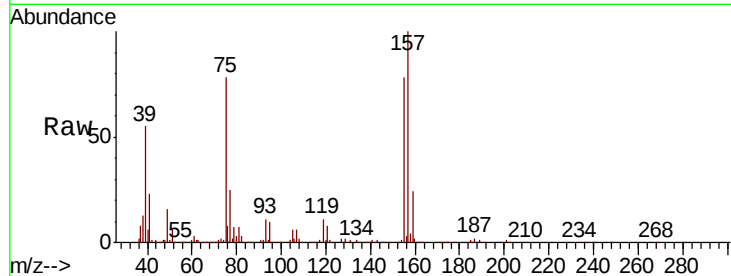
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.992 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006631.D
 Acq: 19 Dec 2018 06:58

Instrument :
 MSVOA_X
 ClientSampleId :
 SA.PZ135I-20181208MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	102.1	53.4	160.3
157	129.9	68.0	203.8

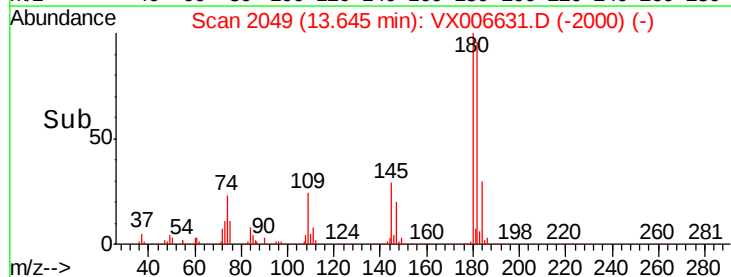
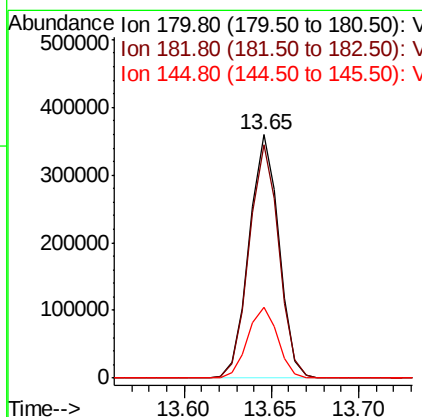
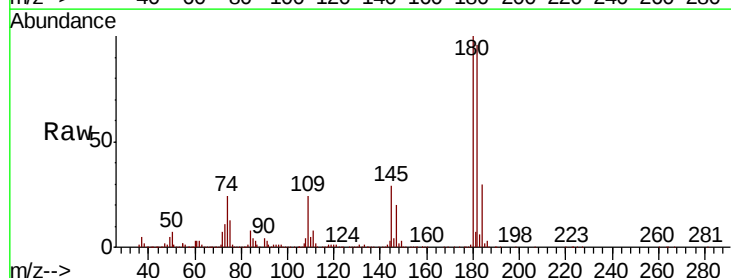
Manual Integrations
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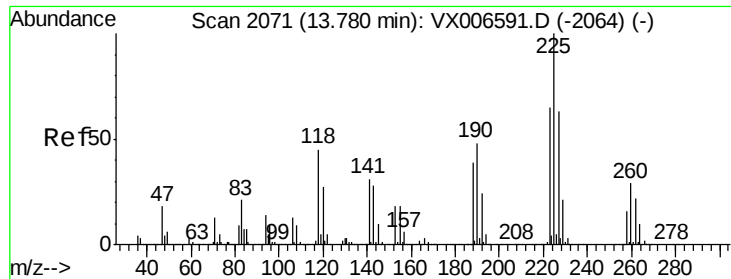
MMDadoda
 12/19/2018 11:22:59 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 47.613 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006631.D
 Acq: 19 Dec 2018 06:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.3	141.9
145	29.6	14.6	43.8





#94

Hexachlorobutadiene

Concen: 42.252 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX006631.D

Acq: 19 Dec 2018 06:58

Instrument :

MSVOA_X

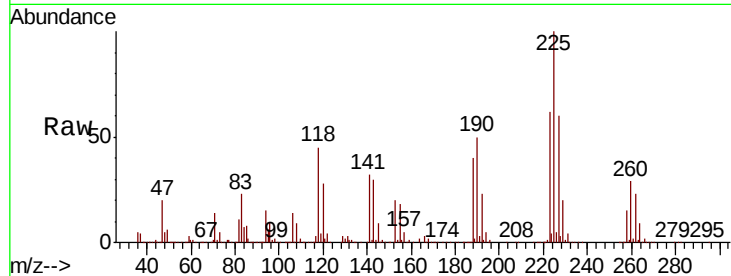
ClientSampleId :

SA.PZ135I-20181208MS

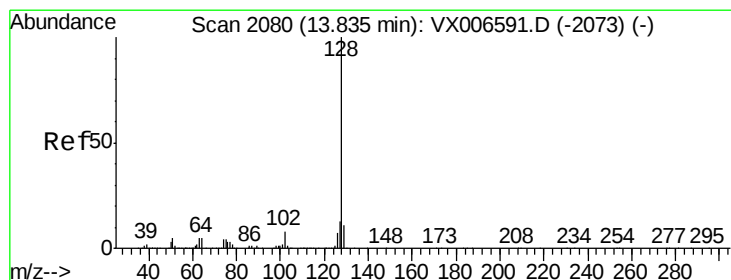
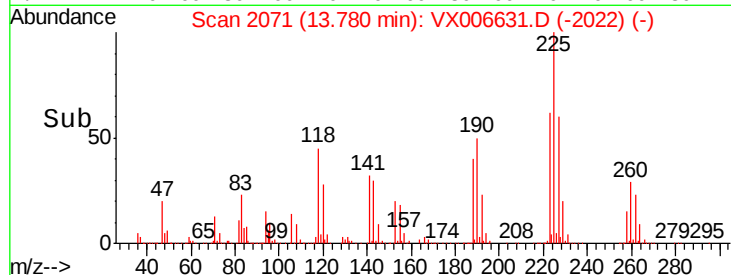
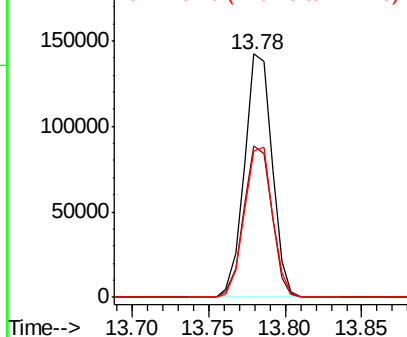
Tot Ion:	225	Resp:	178917
Ion Ratio		Lower	Upper
225	100		
223	62.8	31.2	93.6
227	62.7	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
12/19/2018 11:22:59 AM



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



#95

Naphthalene

Concen: 51.279 ug/l

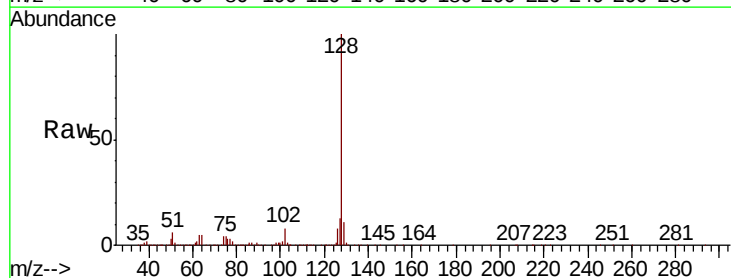
RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

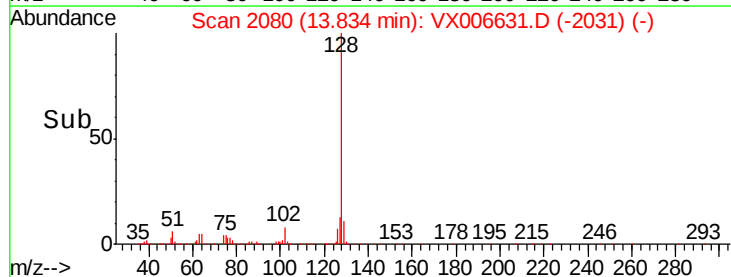
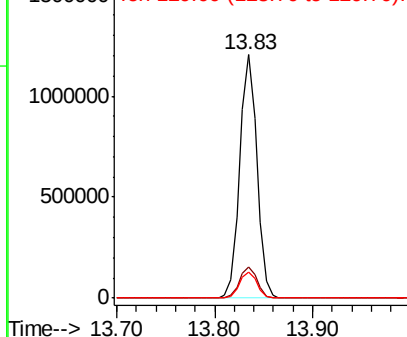
Lab File: VX006631.D

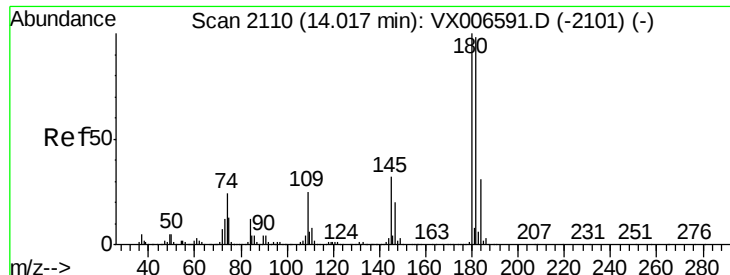
Acq: 19 Dec 2018 06:58

Tgt Ion:	128	Resp:	1470351
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.0	8.9	13.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 47.969 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX006631.D
 Acq: 19 Dec 2018 06:58

Instrument :
 MSVOA_X
 ClientSampleId :
 SA.PZ135I-20181208MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	444950		
182	95.5		48.4	145.2
145	31.2		15.6	46.8

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 11:22:59 AM

