

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050219\
 Data File : VX009298.D
 Acq On : 03 May 2019 01:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/3/2019 11:18:54 AM

Quant Time: May 03 02:56:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	165599	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	274720	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	248715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	121475	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	116962	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
35) Dibromofluoromethane	5.50	113	86874	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
50) Toluene-d8	8.71	98	352517	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
62) 4-Bromofluorobenzene	11.13	95	126844	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	74503	48.822	ug/l	99
3) Chloromethane	1.32	50	105690	50.729	ug/l	100
4) Vinyl Chloride	1.41	62	101969	50.192	ug/l	97
5) Bromomethane	1.64	94	64799	53.141	ug/l	94
6) Chloroethane	1.71	64	65449	50.177	ug/l	99
7) Trichlorofluoromethane	1.92	101	126998	51.427	ug/l	98
8) Diethyl Ether	2.19	74	61014	52.160	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	76614	49.404	ug/l	99
10) Methyl Iodide	2.51	142	89398	49.651	ug/l	99
11) Tert butyl alcohol	3.06	59	147895	282.631	ug/l	99
12) 1,1-Dichloroethene	2.37	96	79857	51.395	ug/l	99
13) Acrolein	2.29	56	105791	223.236	ug/l	100
14) Allyl chloride	2.73	41	188033	49.657	ug/l	99
15) Acrylonitrile	3.14	53	343545	268.509	ug/l	99
16) Acetone	2.45	43	295011	243.034	ug/l	99
17) Carbon Disulfide	2.57	76	210764	48.314	ug/l	100
18) Methyl Acetate	2.78	43	154951	53.675	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	318180	52.733	ug/l	99
20) Methylene Chloride	2.85	84	97489	49.602	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	85608	50.803	ug/l	98
22) Diisopropyl ether	3.85	45	384643	52.820	ug/l	95
23) Vinyl Acetate	3.81	43	1683684	270.005	ug/l	99
24) 1,1-Dichloroethane	3.70	63	184780	51.437	ug/l	100
25) 2-Butanone	4.68	43	508824	269.746	ug/l	100
26) 2,2-Dichloropropane	4.59	77	97687	36.533	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	103236	51.327	ug/l	96
28) Bromochloromethane	5.01	49	76094	52.772	ug/l	100
29) Tetrahydrofuran	5.13	42	336873	277.528	ug/l	99
30) Chloroform	5.21	83	172257	53.018	ug/l	100
31) Cyclohexane	5.58	56	168507	50.418	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	139363	51.527	ug/l	99
36) 1,1-Dichloropropene	5.80	75	125295	49.077	ug/l	99
37) Ethyl Acetate	4.84	43	190513	53.559	ug/l	99
38) Carbon Tetrachloride	5.79	117	116031	50.023	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	145608	46.441	ug/l	97
40) Benzene	6.14	78	397091	50.257	ug/l	98
41) Methacrylonitrile	5.04	41	107269	50.660	ug/l	99
42) 1,2-Dichloroethane	6.19	62	144775	51.080	ug/l	99
43) Isopropyl Acetate	6.45	43	300314	52.781	ug/l	100
44) Trichloroethene	7.21	130	93206	48.796	ug/l	100
45) 1,2-Dichloropropane	7.51	63	113287	50.636	ug/l	98
46) Dibromomethane	7.66	93	64954	49.995	ug/l	99
47) Bromodichloromethane	7.90	83	133097	51.358	ug/l	96
48) Methyl methacrylate	7.77	41	150524	53.324	ug/l	99
49) 1,4-Dioxane	7.74	88	61024	1065.983	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	998524	268.496	ug/l	100
52) Toluene	8.79	92	239415	49.848	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	145199	49.625	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	161544	49.882	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	98568	50.304	ug/l	95
56) Ethyl methacrylate	9.18	69	185782	53.115	ug/l	99
57) 1,3-Dichloropropane	9.37	76	177007	51.334	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	484876	261.315	ug/l	100
59) 2-Hexanone	9.49	43	788380	269.917	ug/l	100
60) Dibromochloromethane	9.59	129	99840	52.170	ug/l	99
61) 1,2-Dibromoethane	9.67	107	100995	51.061	ug/l	99
64) Tetrachloroethene	9.34	164	86745	50.845	ug/l	99
65) Chlorobenzene	10.14	112	248142	49.874	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	92506	51.284	ug/l	100
67) Ethyl Benzene	10.25	91	460833	50.328	ug/l	100
68) m/p-Xylenes	10.36	106	335459	100.253	ug/l	98
69) o-Xylene	10.70	106	166043	50.294	ug/l	100
70) Styrene	10.71	104	292727	51.014	ug/l	100
71) Bromoform	10.86	173	77783	53.063	ug/l #	98
73) Isopropylbenzene	11.02	105	435346	49.283	ug/l	99
74) N-amyl acetate	10.90	43	279293	54.231	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	170716	51.842	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	143448m	50.908	ug/l	
77) Bromobenzene	11.26	156	109619	49.997	ug/l	100
78) n-propylbenzene	11.36	91	494392	49.006	ug/l	99
79) 2-Chlorotoluene	11.42	91	301007	48.362	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	370508	49.814	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	52173	47.375	ug/l	99
82) 4-Chlorotoluene	11.51	91	348103	49.507	ug/l	99
83) tert-Butylbenzene	11.77	119	365855	50.564	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	373998	50.095	ug/l	100
85) sec-Butylbenzene	11.94	105	419686	48.925	ug/l	100
86) p-Isopropyltoluene	12.06	119	382392	49.585	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	193015	49.383	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	194487	49.355	ug/l	100
89) n-Butylbenzene	12.38	91	338799	48.607	ug/l	100
90) Hexachloroethane	12.60	117	66453	50.580	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	200259	50.303	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	39943	54.071	ug/l	97

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ClientSampleId :
VSTDCCC050EC

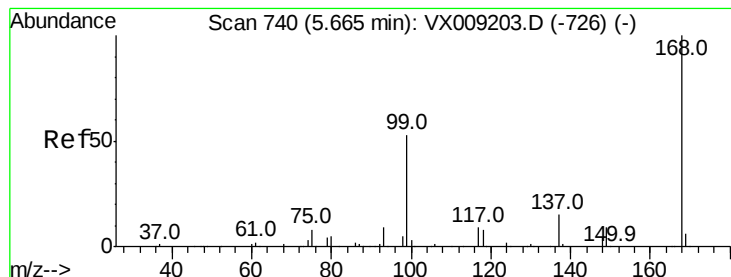
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:03:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	139313	51.173	ug/l	98
94) Hexachlorobutadiene	13.78	225	66588	47.898	ug/l	99
95) Naphthalene	13.83	128	472608	53.360	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	141661	51.334	ug/l	99

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



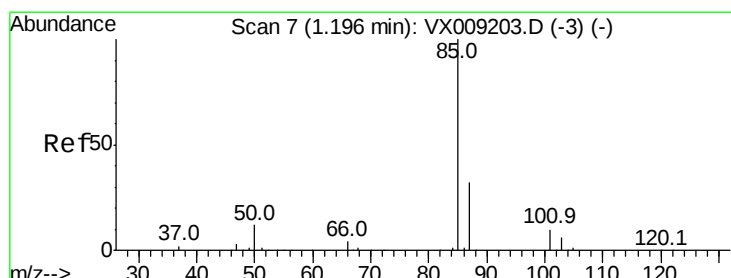
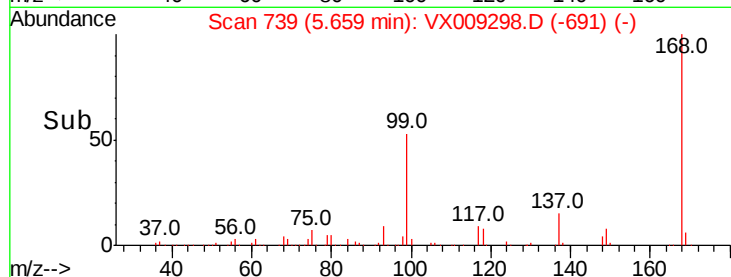
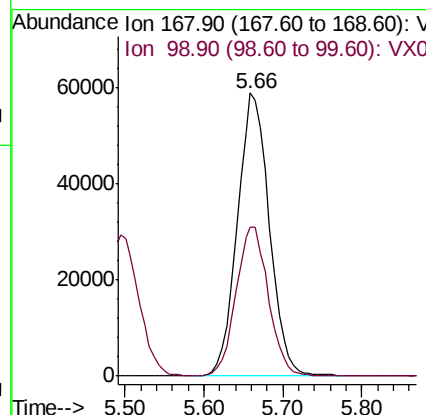
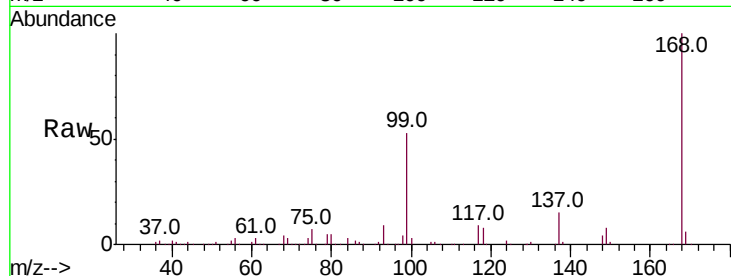
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	52.7	42.3	63.5

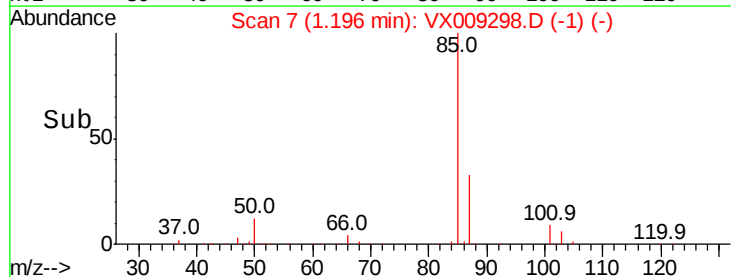
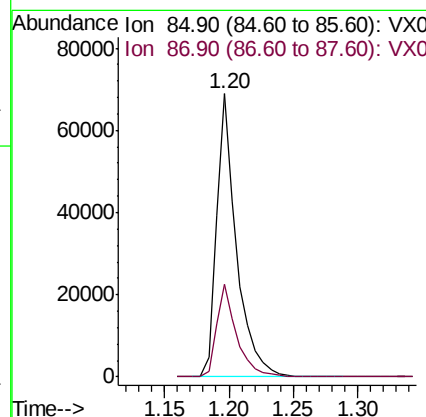
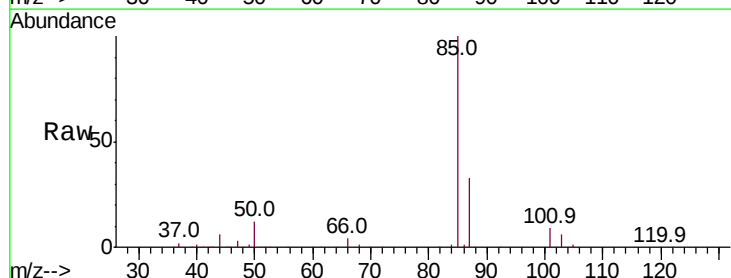
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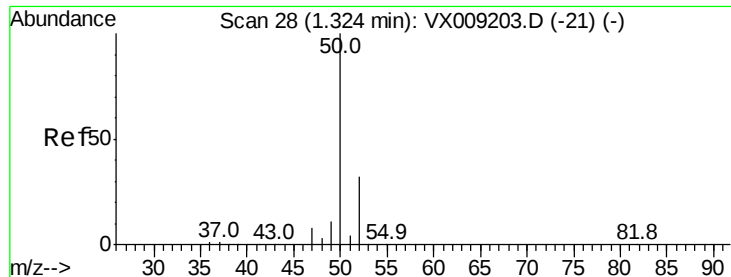
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#2
Dichlorodifluoromethane
Concen: 48.822 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.1	48.3





#3

Chloromethane

Concen: 50.729 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 50 Resp: 105690

Ion Ratio Lower Upper

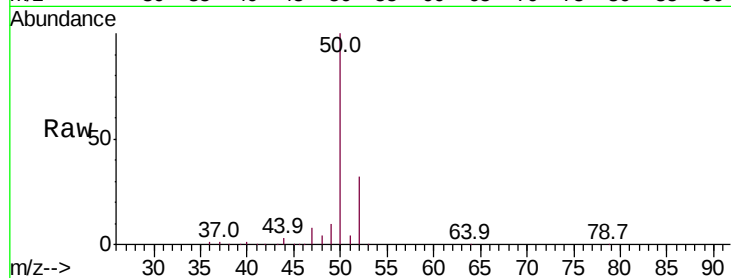
50 100

52 32.3 25.9 38.9

Manual Integrations
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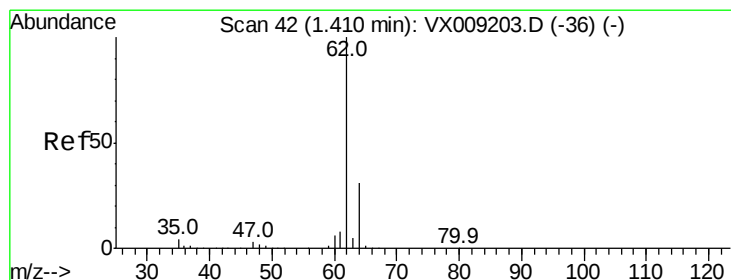
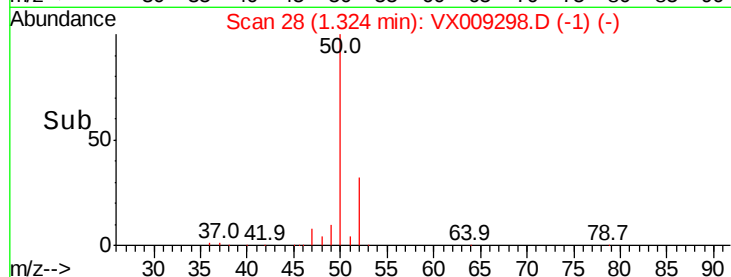
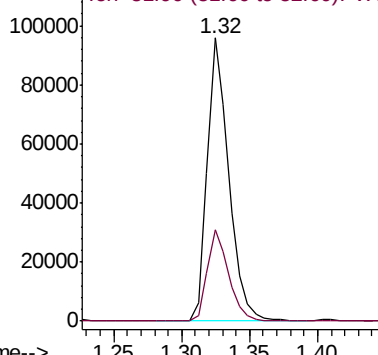
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 50.192 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009298.D

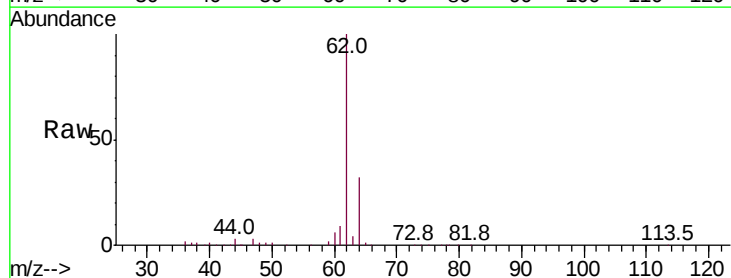
Acq: 03 May 2019 01:03

Tgt Ion: 62 Resp: 101969

Ion Ratio Lower Upper

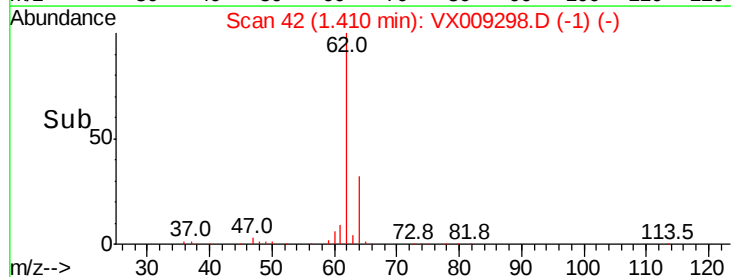
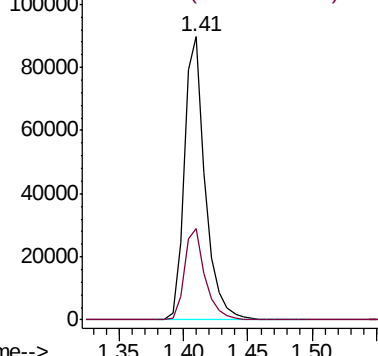
62 100

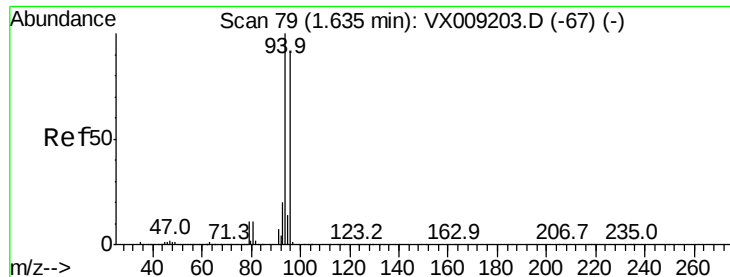
64 32.3 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 53.141 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 64799

Ion Ratio Lower Upper

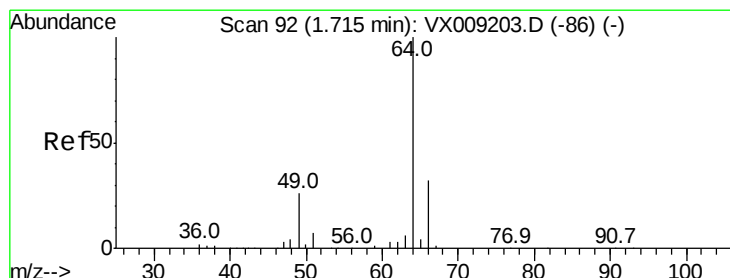
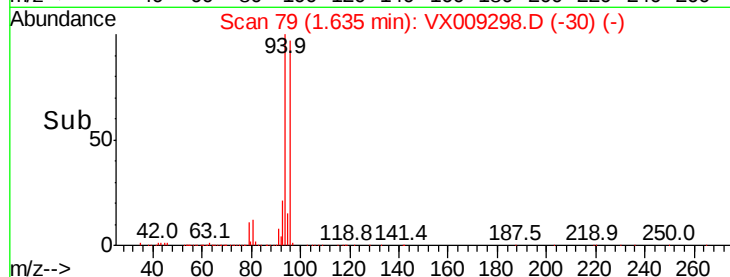
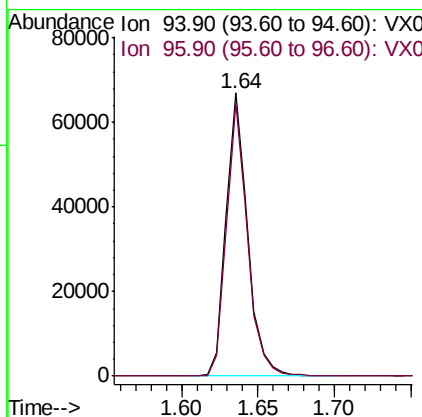
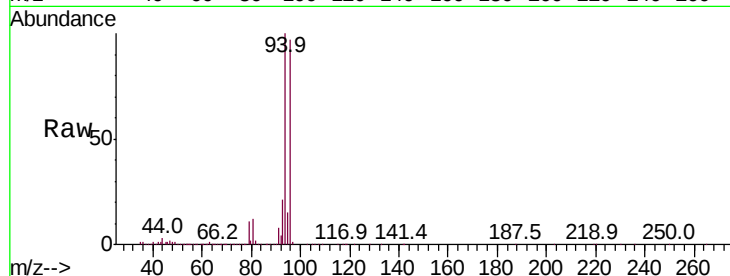
94 100

96 96.7 73.0 109.6

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#6

Chloroethane

Concen: 50.177 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX009298.D

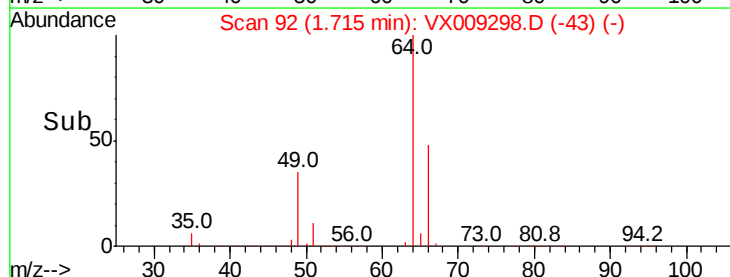
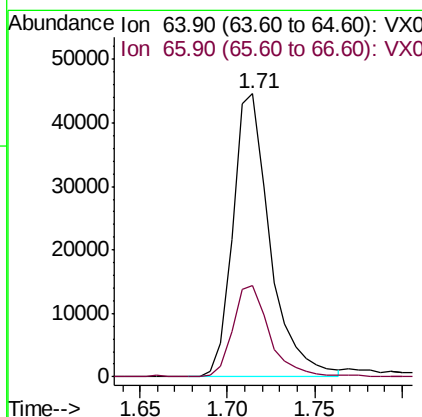
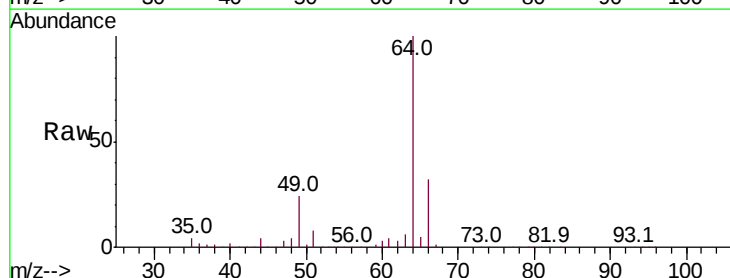
Acq: 03 May 2019 01:03

Tgt Ion: 64 Resp: 65449

Ion Ratio Lower Upper

64 100

66 32.1 25.3 37.9





#7

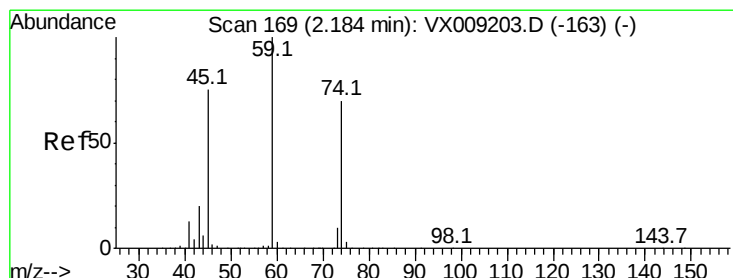
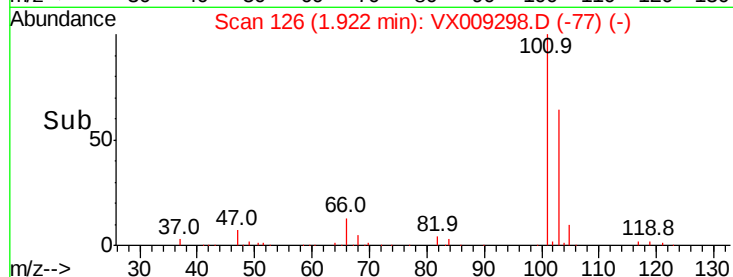
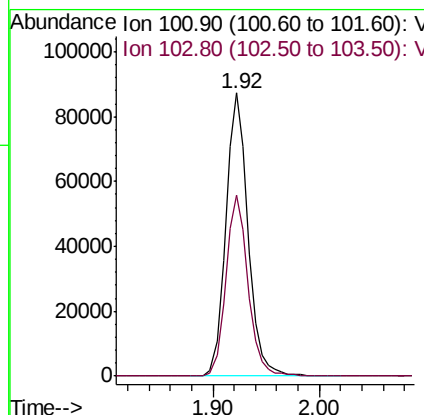
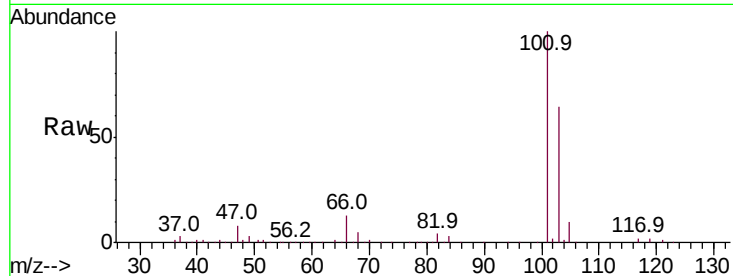
Trichlorofluoromethane
 Concen: 51.427 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.4	78.6

Manual Integrations
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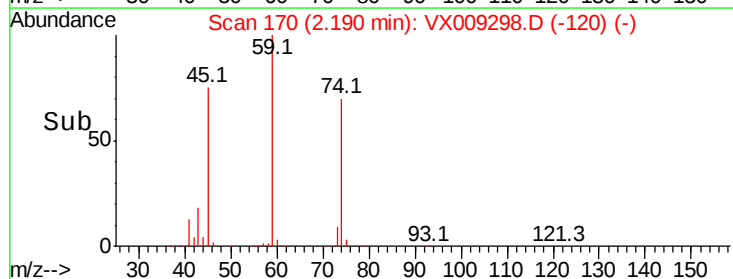
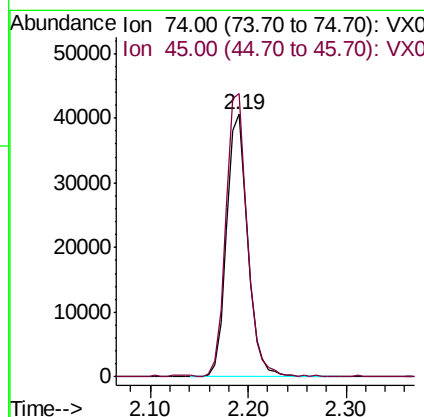
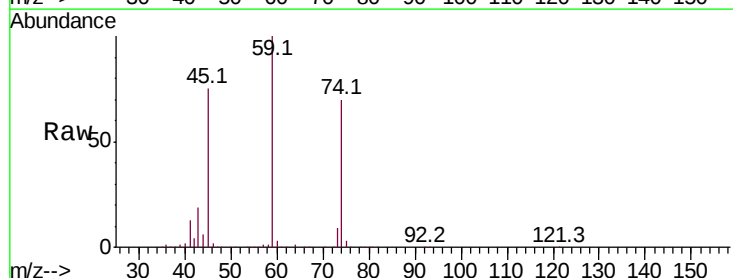
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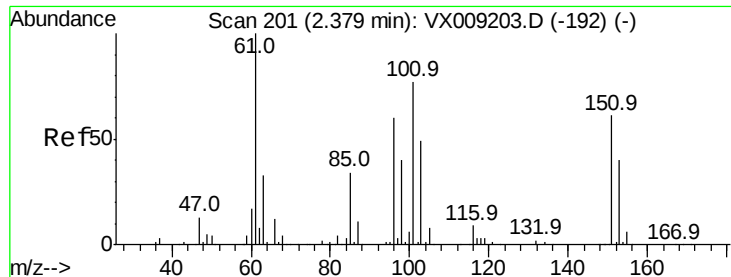


#8

Diethyl Ether
 Concen: 52.160 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.3	53.3	159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.404 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

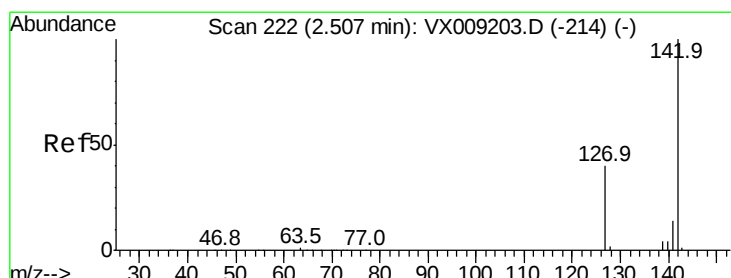
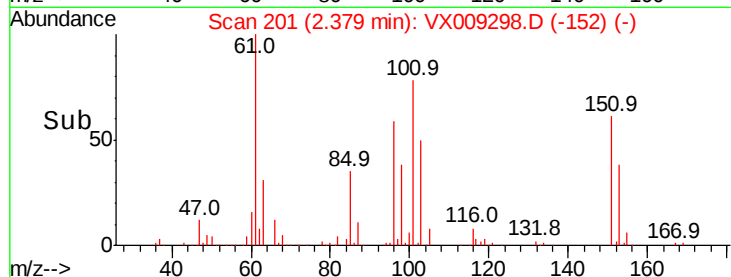
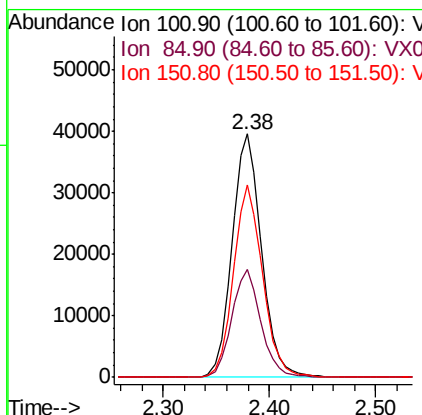
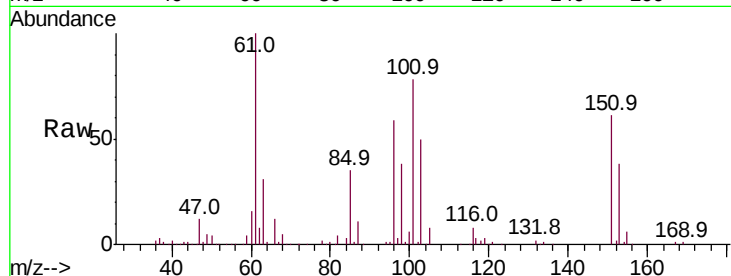
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	76614
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.7	53.5
151	78.4	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 49.651 ug/l

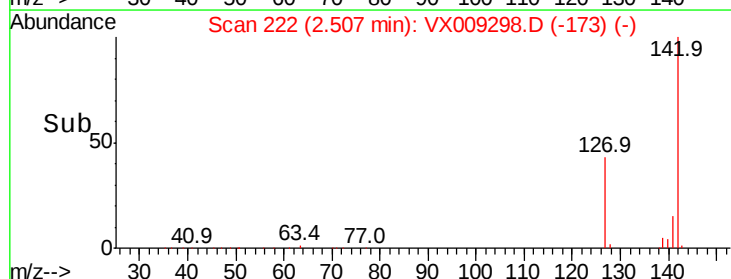
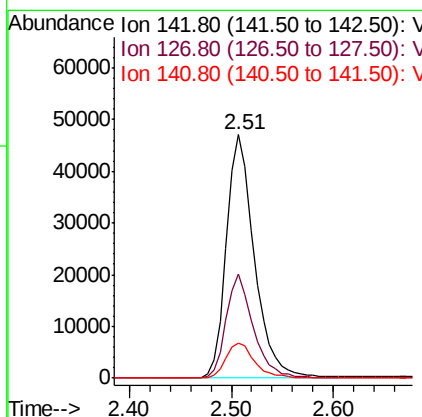
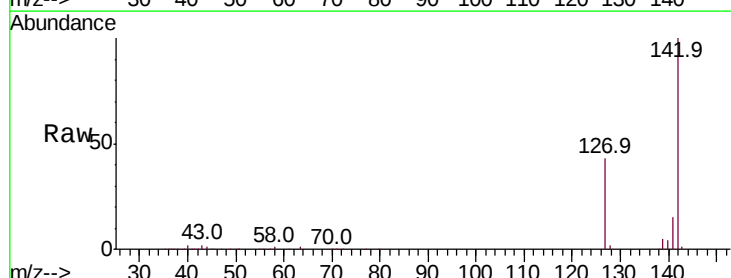
RT: 2.51 min Scan# 222

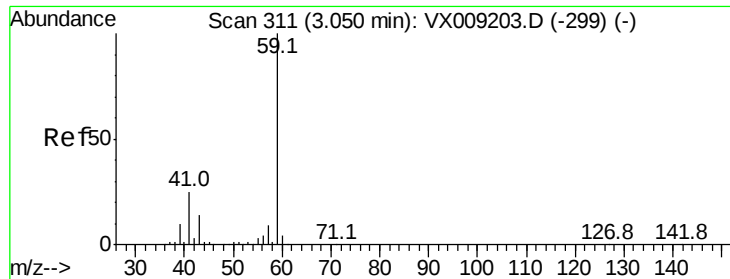
Delta R.T. 0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Tgt Ion:	142	Resp:	89398
Ion Ratio	Lower	Upper	
142	100		
127	41.6	32.7	49.1
141	14.8	11.5	17.3





#11

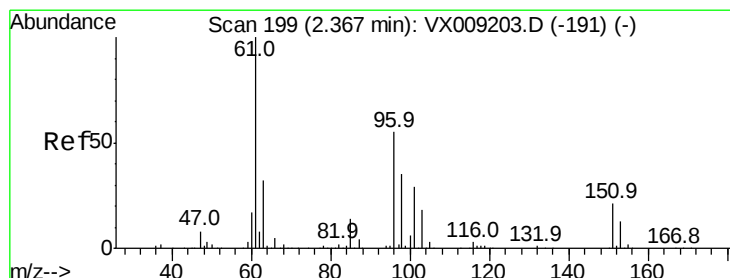
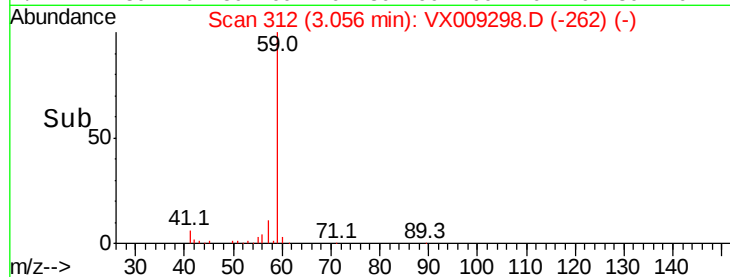
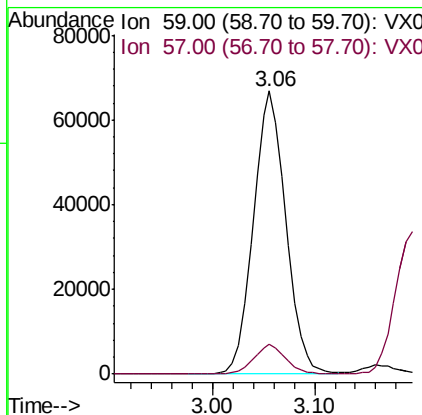
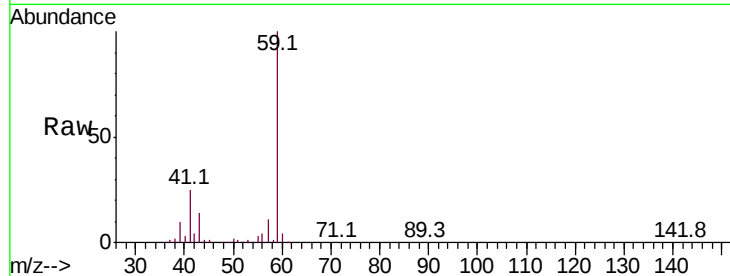
Tert butyl alcohol
Concen: 282.631 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	147895
Ion Ratio	100	Lower	Upper
57	10.4	8.2	12.2

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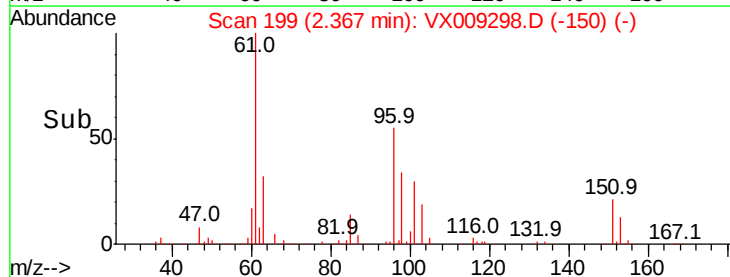
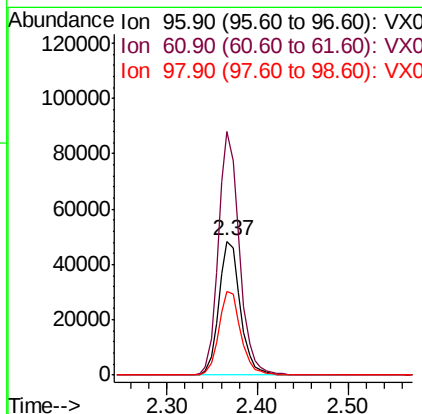
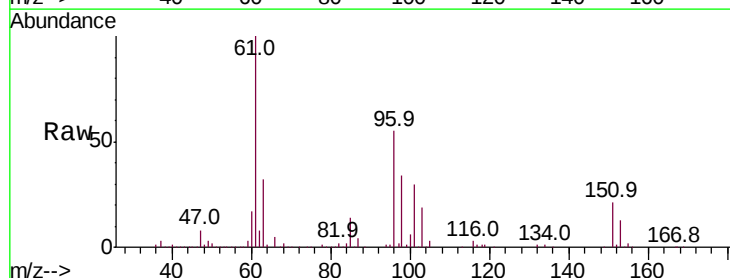
MMDadoda
5/3/2019 11:18:54 AM

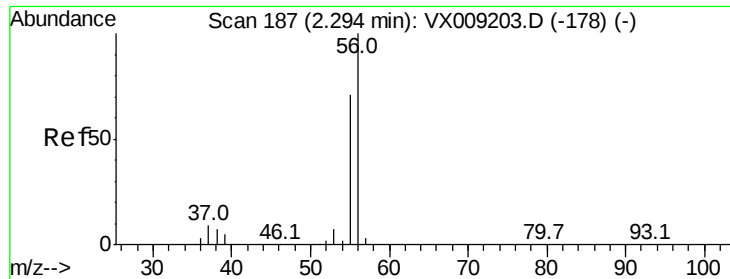


#12

1,1-Dichloroethene
Concen: 51.395 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion	96	Resp	79857
Ion Ratio	100	Lower	Upper
61	181.4	144.3	216.5
98	61.9	50.3	75.5





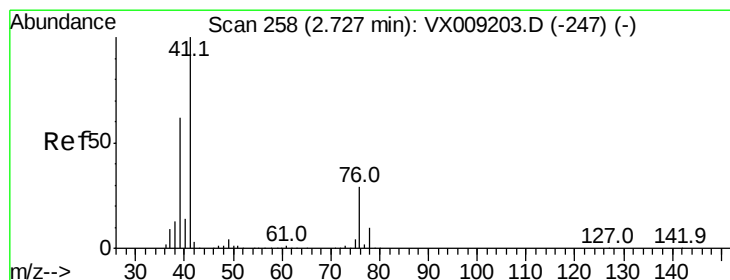
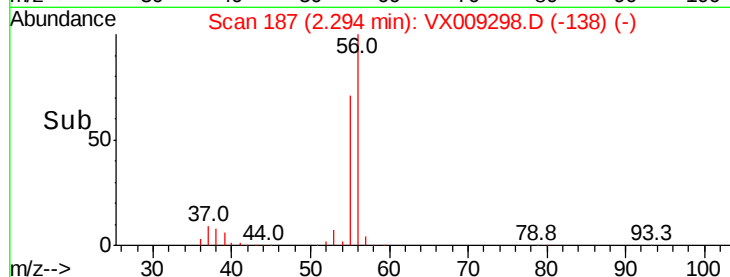
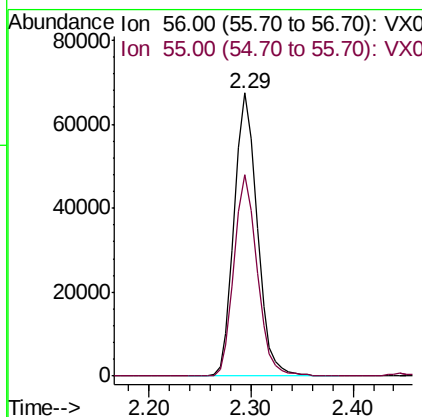
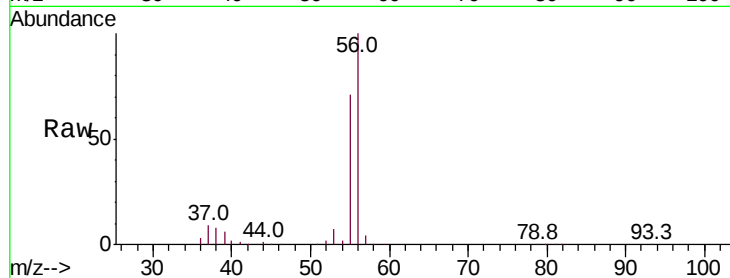
#13
Acrolein
Concen: 223.236 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.6	85.0

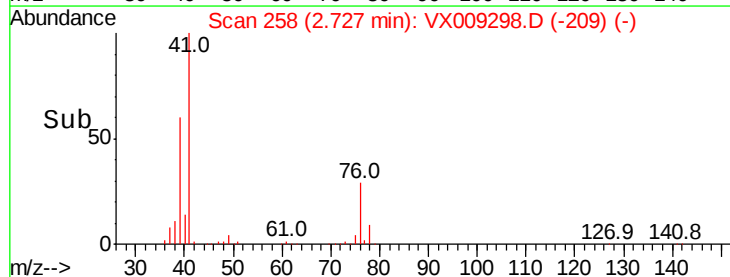
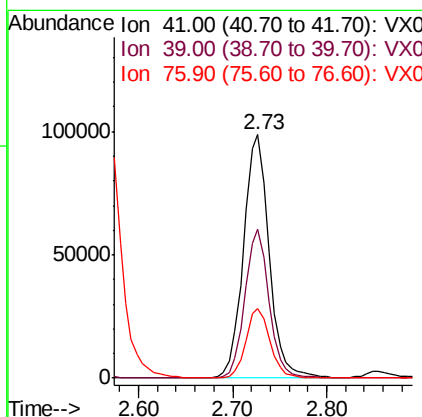
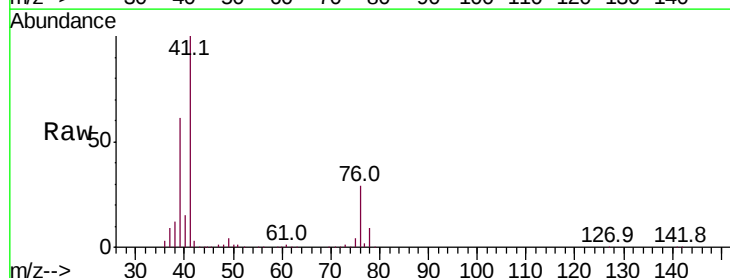
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#14
Allyl chloride
Concen: 49.657 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.3	46.7	70.1
76	26.9	21.8	32.8





#15

Acrylonitrile

Concen: 268.509 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

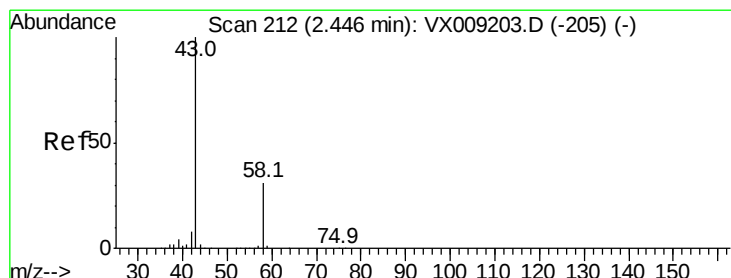
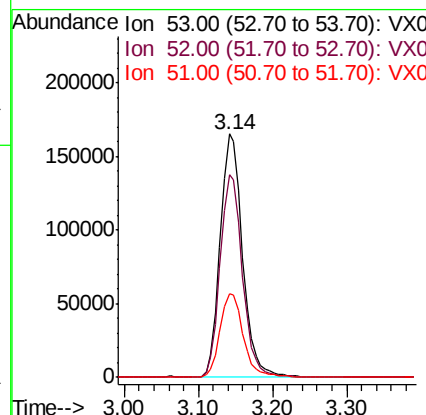
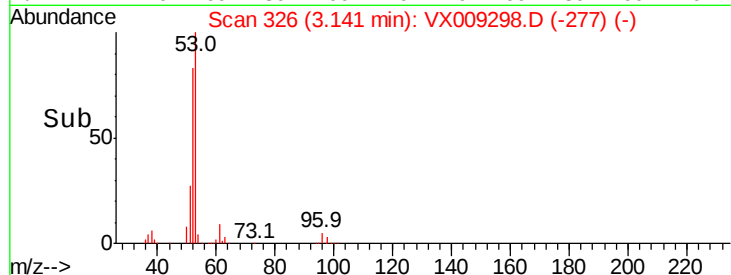
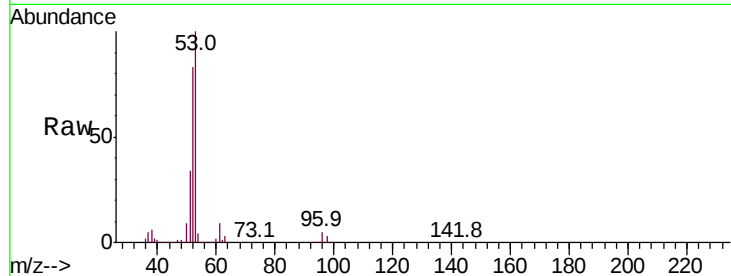
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	343545
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.9	100.3
51	35.5	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 243.034 ug/l

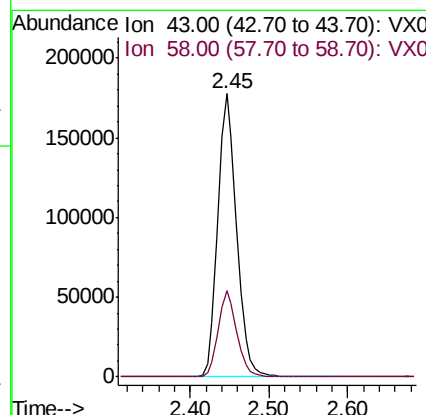
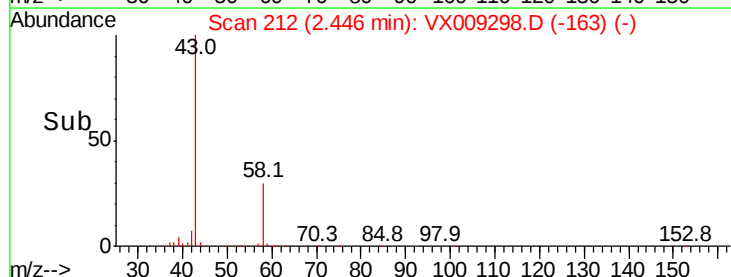
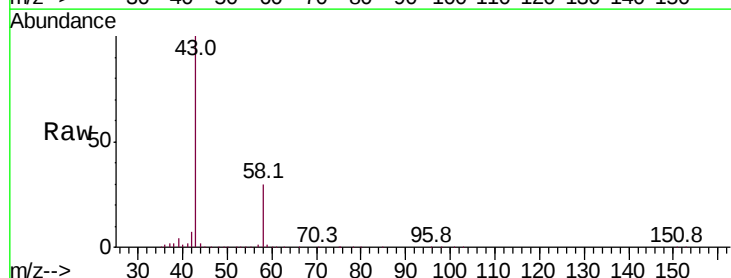
RT: 2.45 min Scan# 212

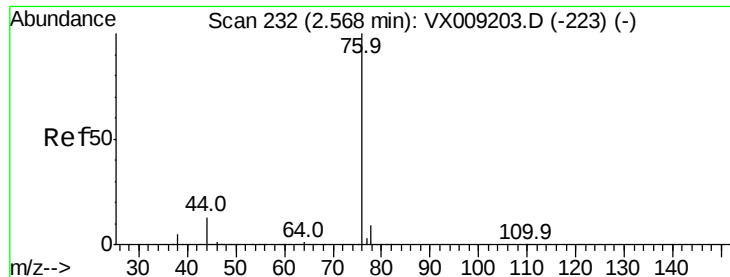
Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Tgt Ion:	43	Resp:	295011
Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.9	37.3





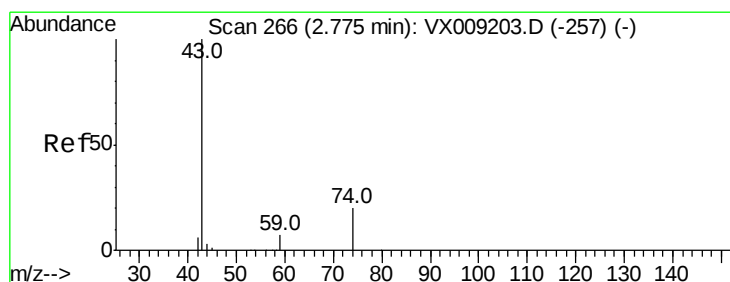
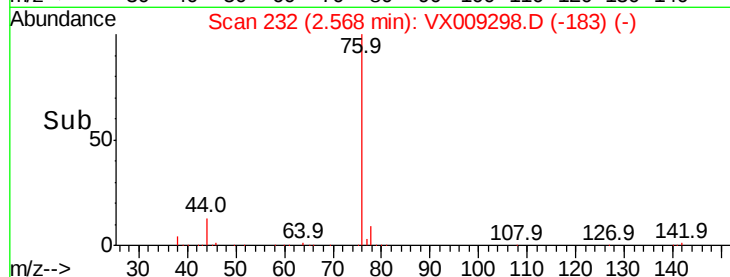
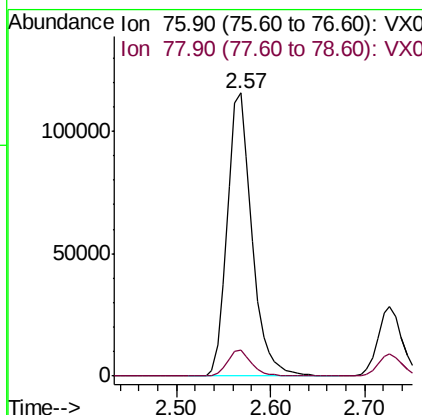
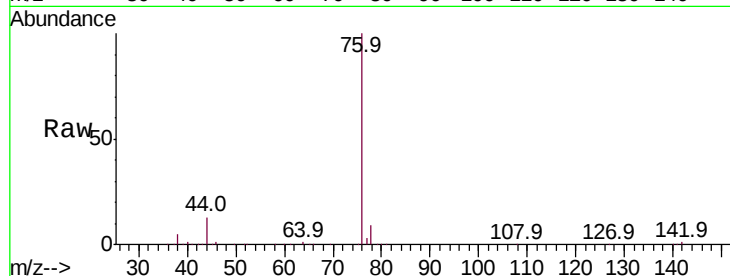
#17
Carbon Disulfide
Concen: 48.314 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

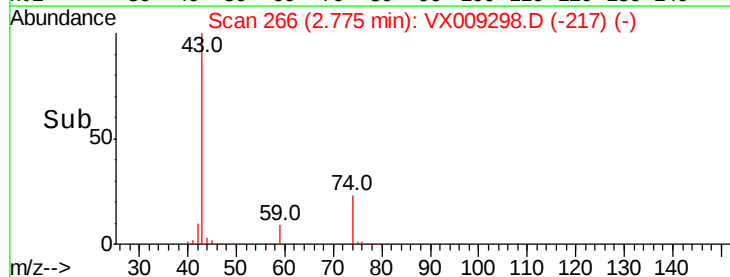
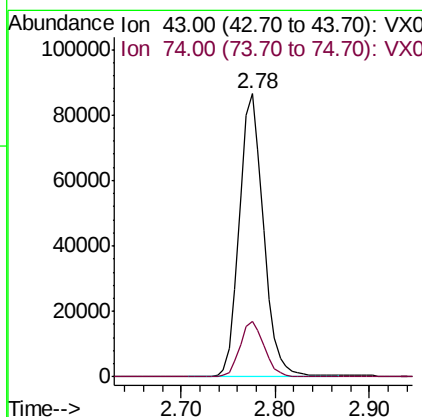
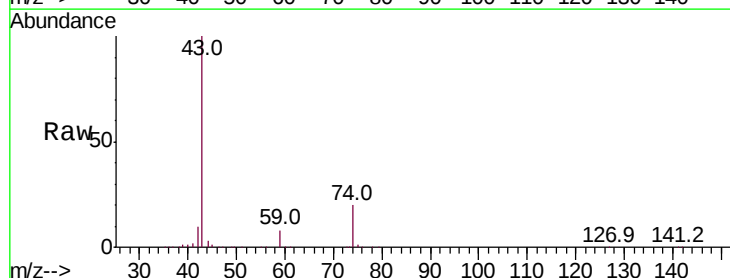
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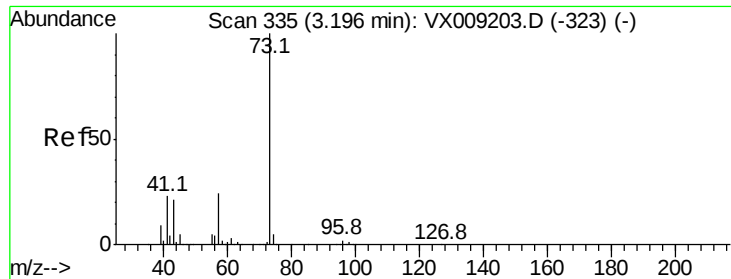
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#18
Methyl Acetate
Concen: 53.675 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	16.2	24.4





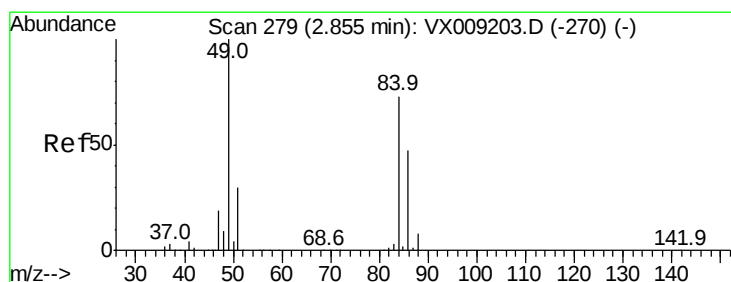
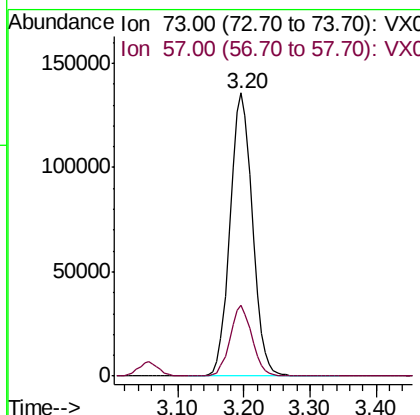
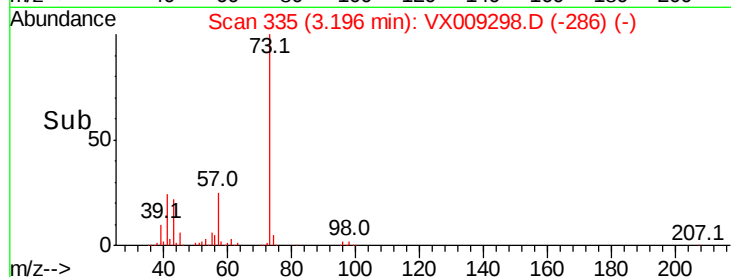
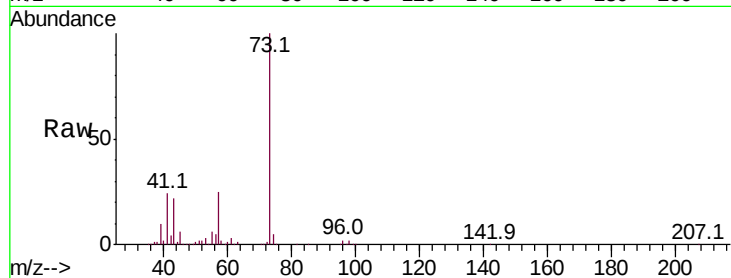
#19
Methvl tert-butvl Ether
Concen: 52.733 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 318180
Ion Ratio Lower Upper
73 100
57 24.8 19.3 28.9

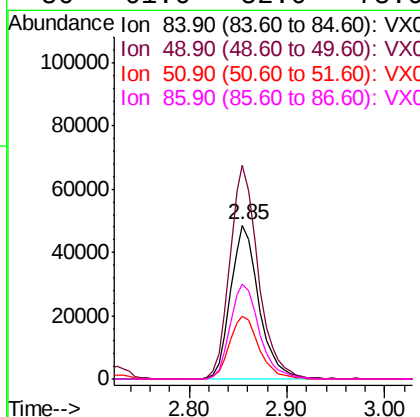
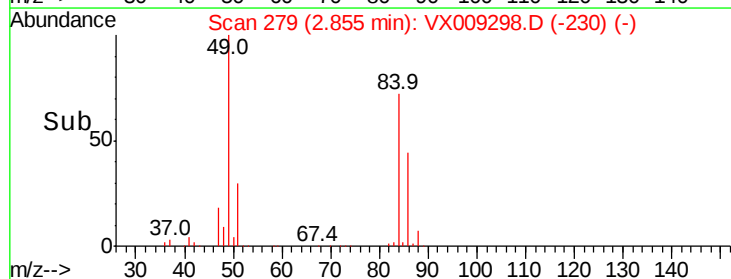
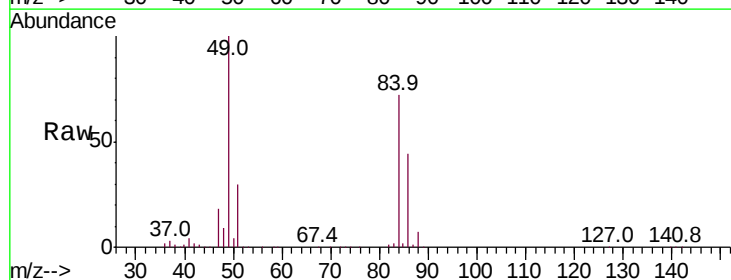
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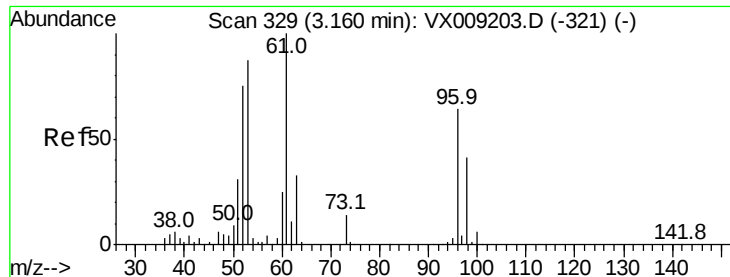
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#20
Methylene Chloride
Concen: 49.602 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion: 84 Resp: 97489
Ion Ratio Lower Upper
84 100
49 138.7 109.9 164.9
51 41.1 32.7 49.1
86 61.6 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 50.803 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 85608

Ion Ratio Lower Upper

96 100

61 152.5 124.5 186.7

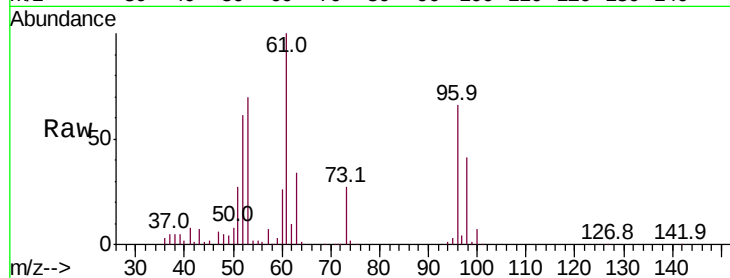
98 63.0 50.4 75.6

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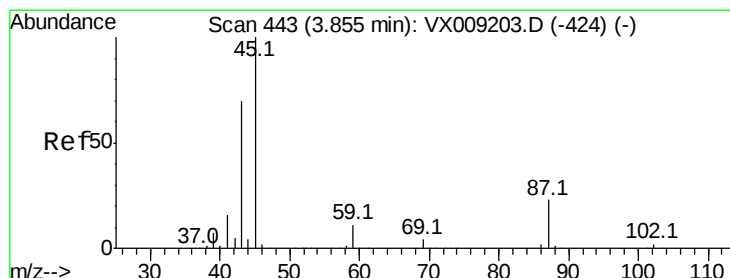
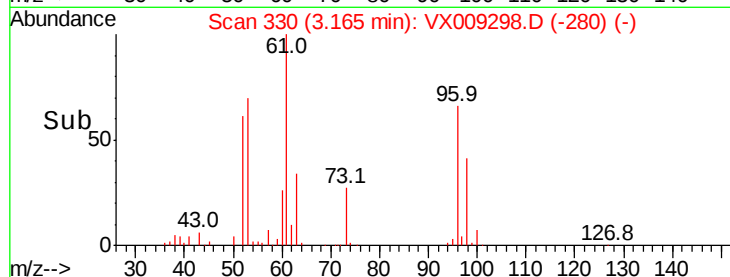
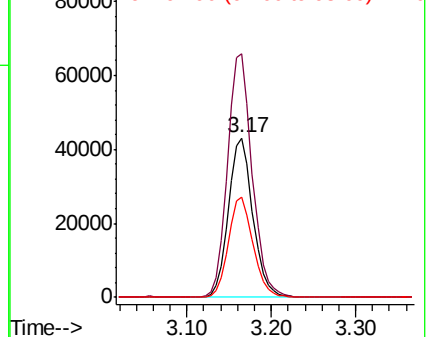


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 52.820 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Tgt Ion: 45 Resp: 384643

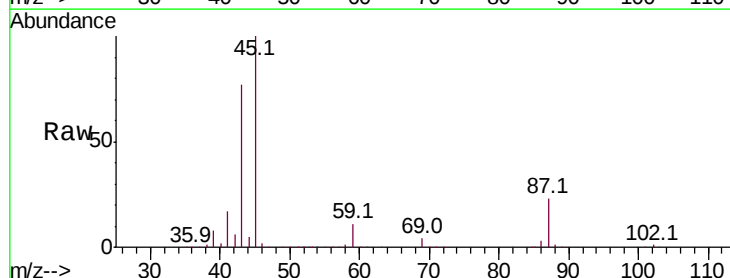
Ion Ratio Lower Upper

45 100

43 76.4 56.1 84.1

87 22.8 18.1 27.1

59 11.2 8.5 12.7



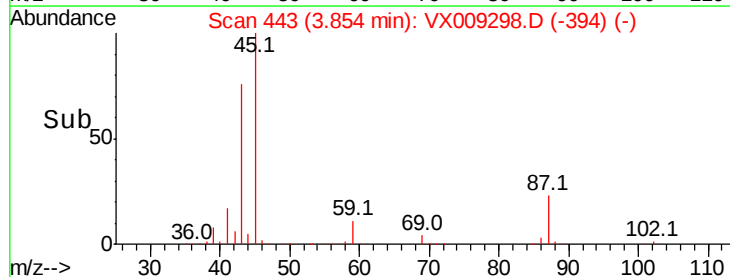
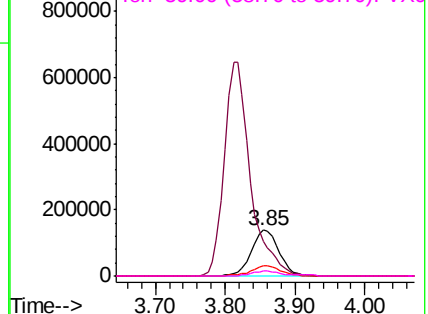
Abundance

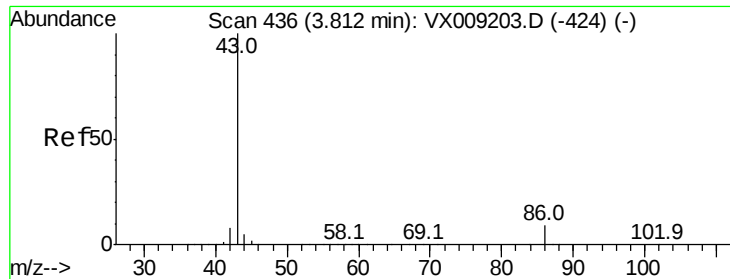
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





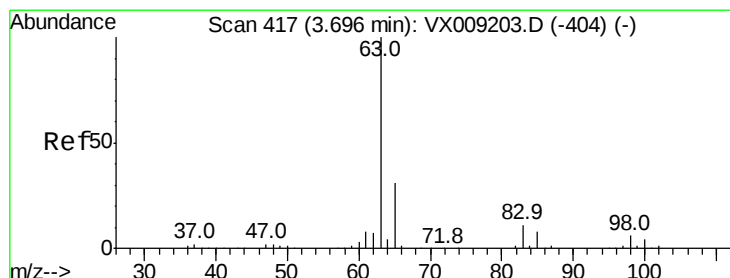
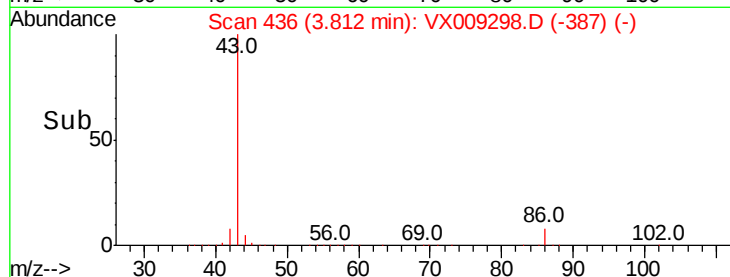
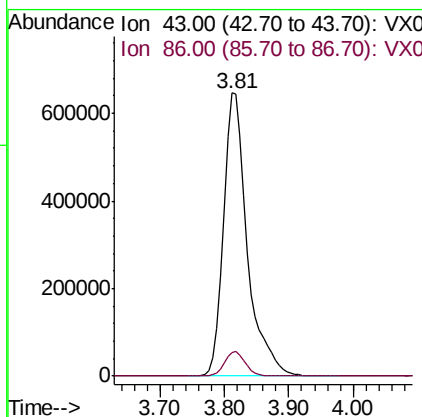
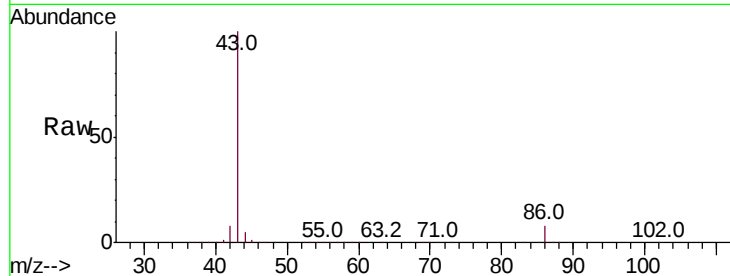
#23
 Vinyl Acetate
 Concen: 270.005 ug/l
 RT: 3.81 min Scan# 436
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1683684
 Ion Ratio Lower Upper
 43 100
 86 8.4 6.9 10.3

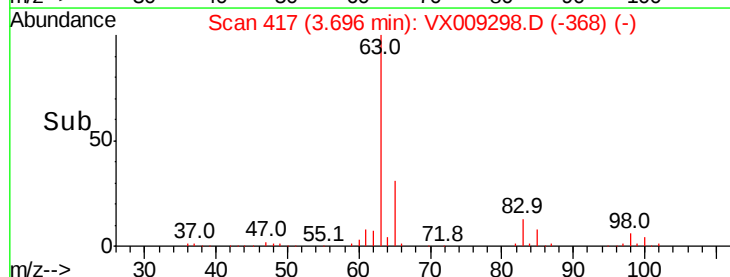
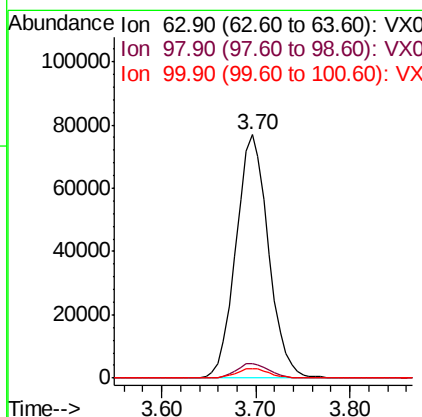
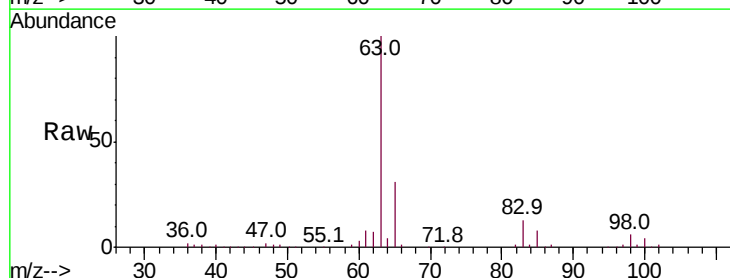
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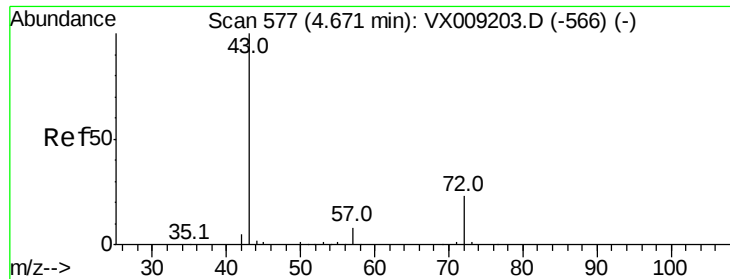
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#24
 1,1-Dichloroethane
 Concen: 51.437 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Tgt Ion: 63 Resp: 184780
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.0 9.2
 100 3.9 2.0 6.0





#25

2-Butanone

Concen: 269.746 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 508824

Ion Ratio Lower Upper

43 100

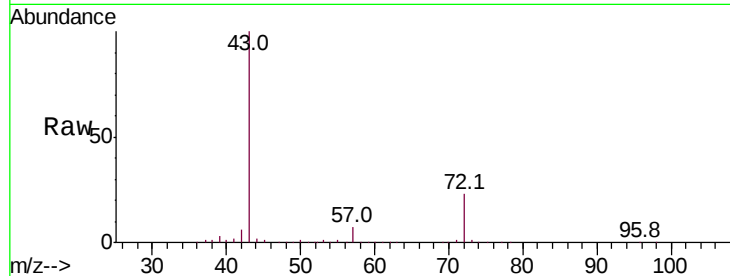
72 22.6 18.2 27.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

100000

50000

0

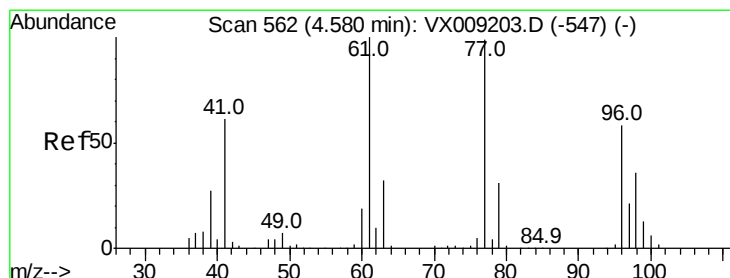
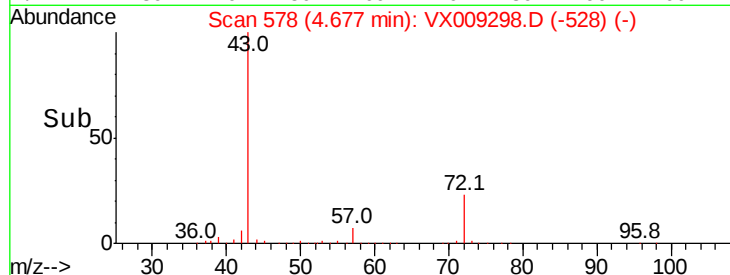
4.68

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 36.533 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009298.D

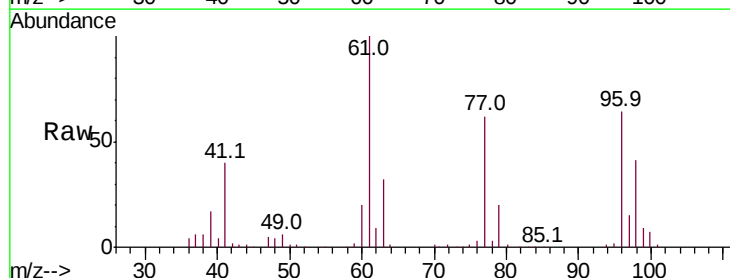
Acq: 03 May 2019 01:03

Tgt Ion: 77 Resp: 97687

Ion Ratio Lower Upper

77 100

97 24.4 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

20000

10000

0

4.59

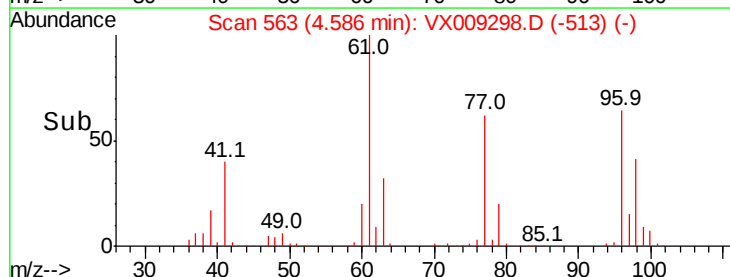
4.40

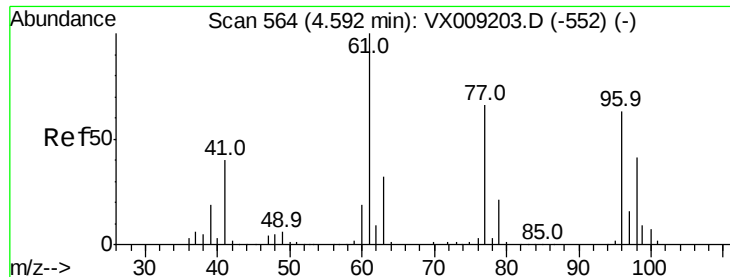
4.50

4.60

4.70

Time-->





#27

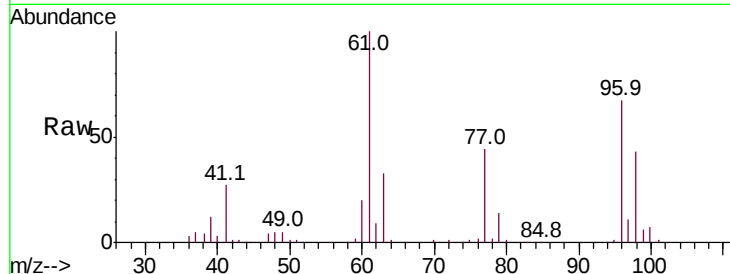
cis-1,2-Dichloroethene
Concen: 51.327 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

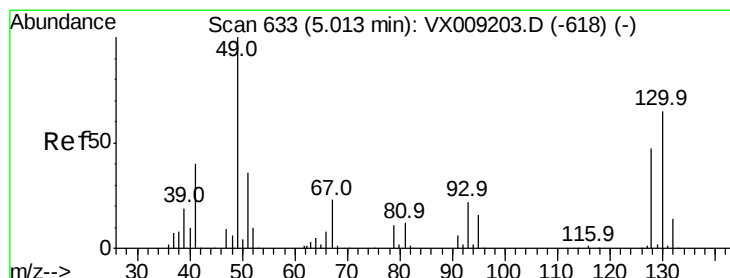
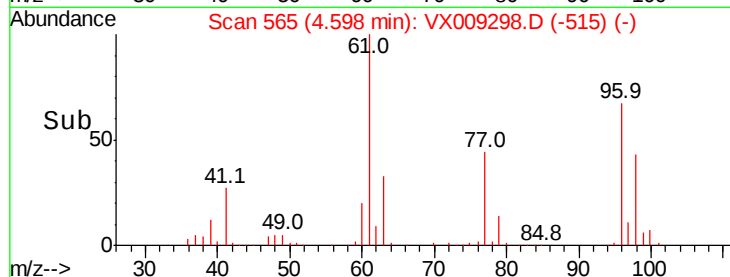
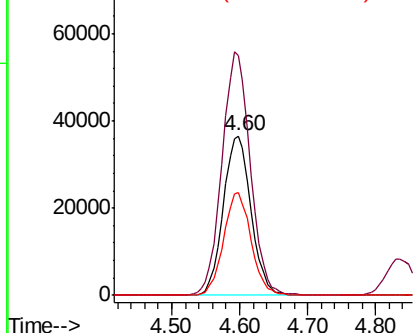
Tot Ion	Ratio	Resp	Lower	Upper
96	100	103236		
61	156.0	0.0	324.0	
98	64.0	0.0	130.4	

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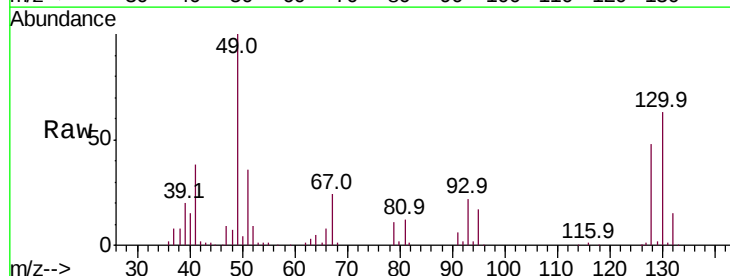
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



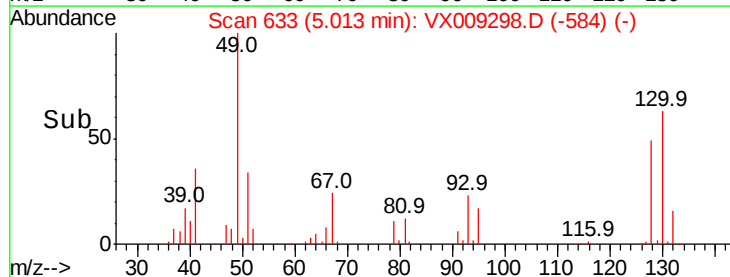
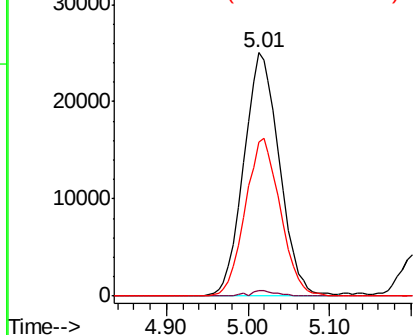
#28

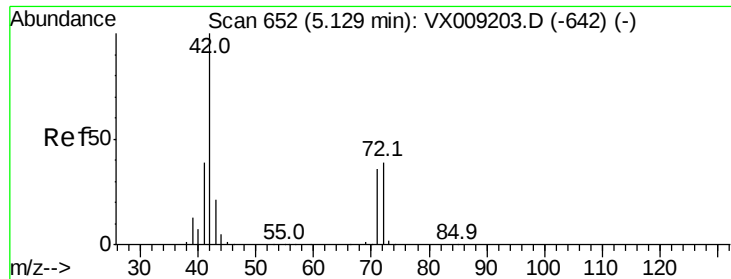
Bromochloromethane
Concen: 52.772 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	76094		
129	1.8	0.0	3.8	
130	63.8	51.2	76.8	



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





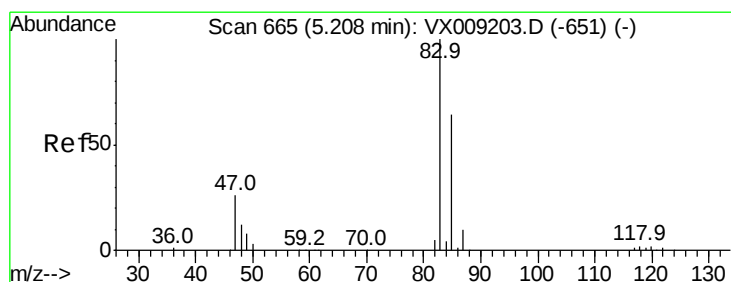
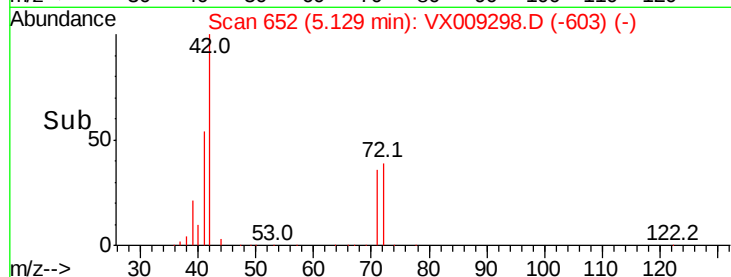
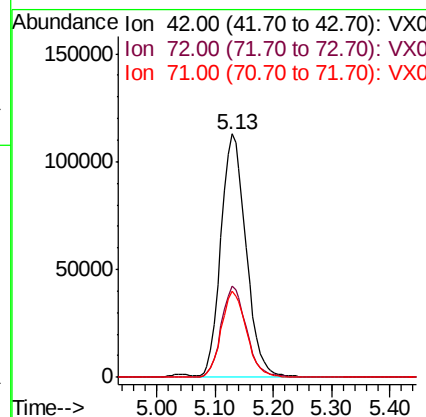
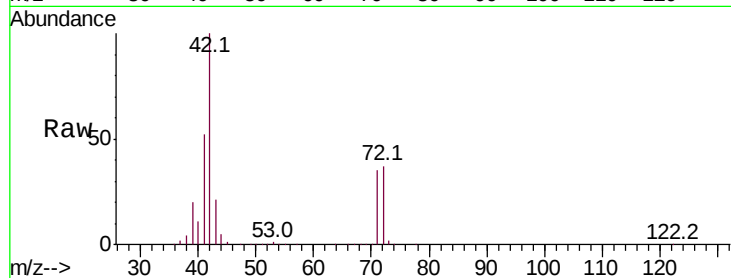
#29
Tetrahydrofuran
Concen: 277.528 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.5	30.4	45.6
71	35.5	28.6	43.0

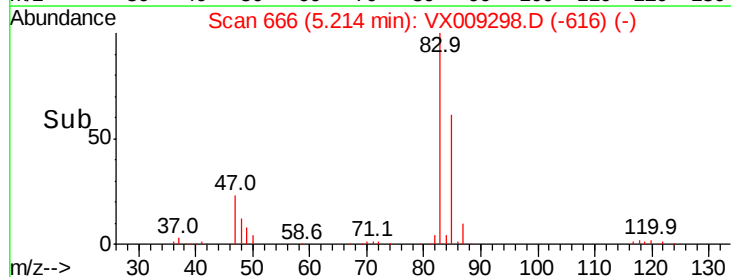
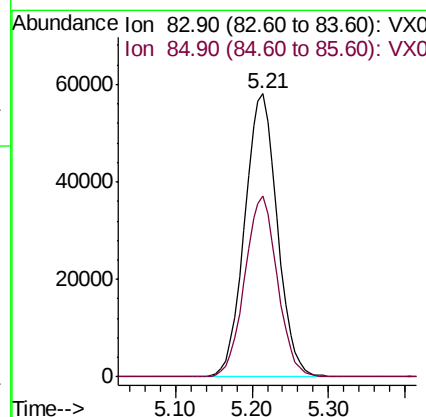
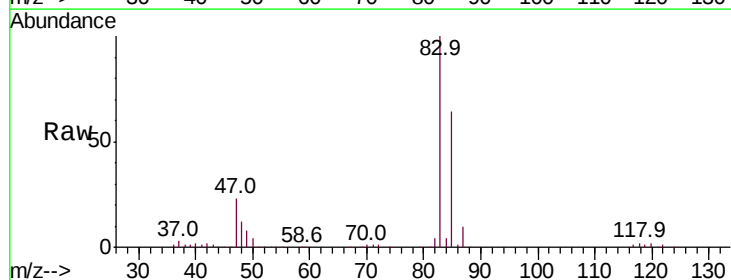
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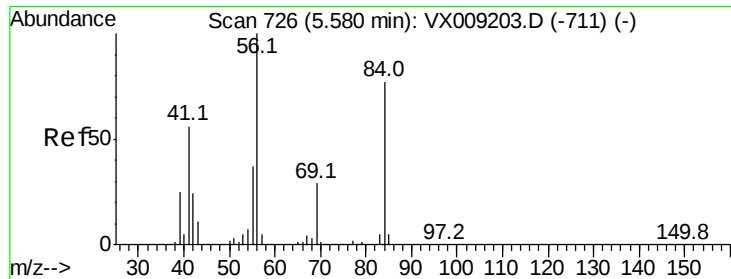
MMDadoda
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#30
Chloroform
Concen: 53.018 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.5	77.3





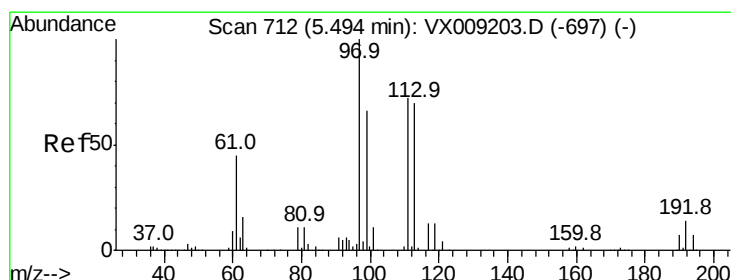
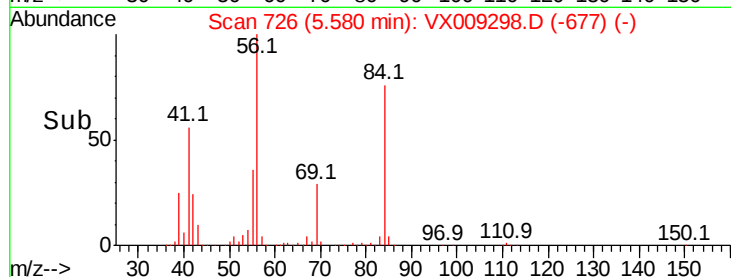
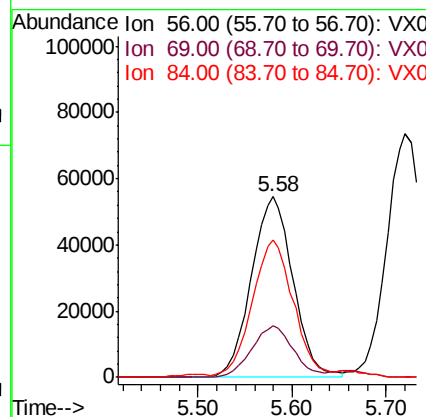
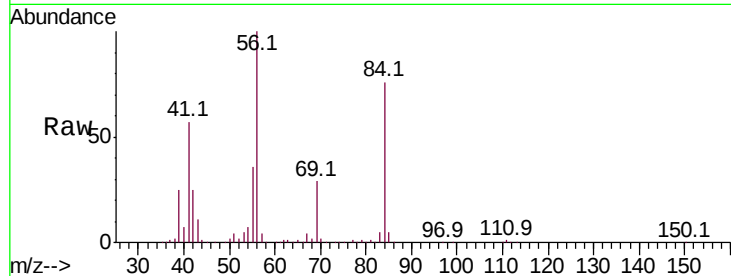
#31
Cyclohexane
Concen: 50.418 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.6	23.4	35.0
84	74.6	61.9	92.9

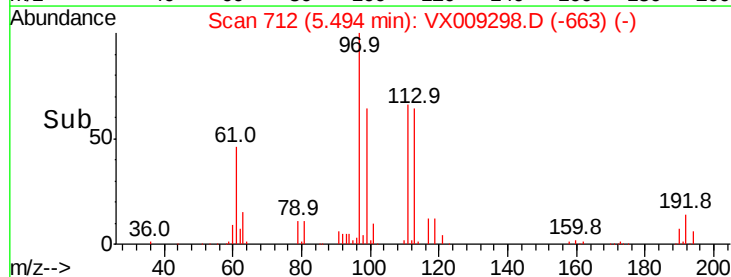
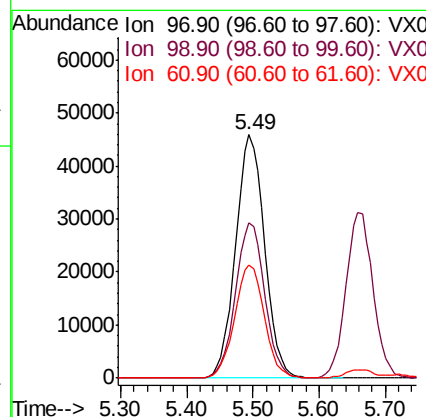
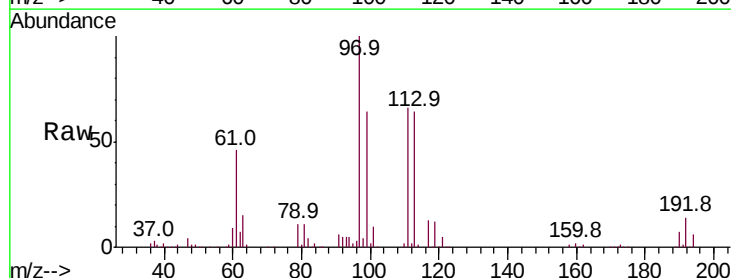
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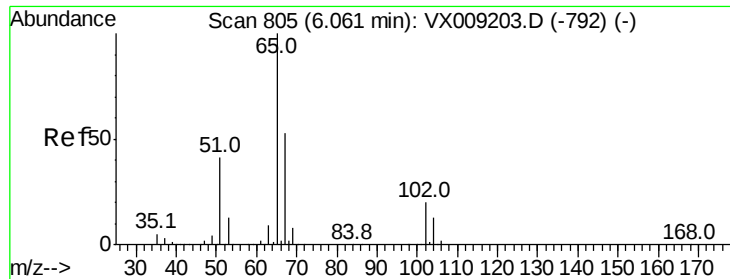
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#32
1,1,1-Trichloroethane
Concen: 51.527 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.8
61	47.8	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 51.739 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 116962

Ion Ratio Lower Upper

65 100

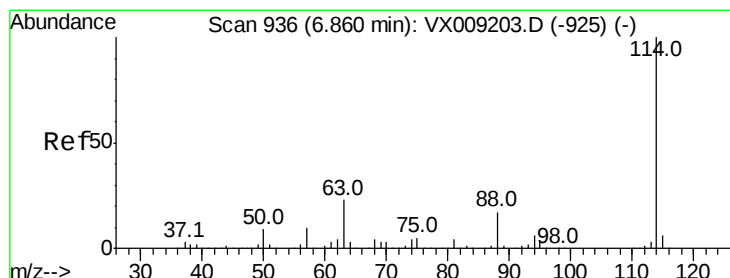
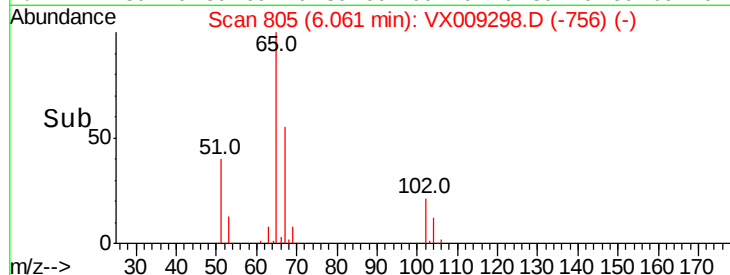
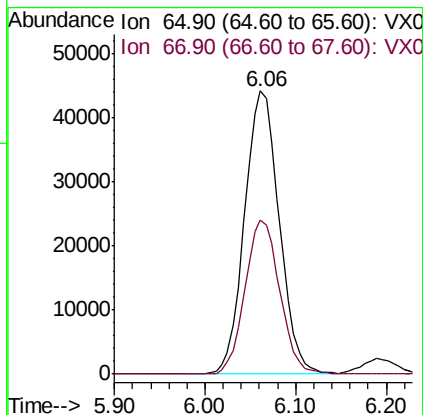
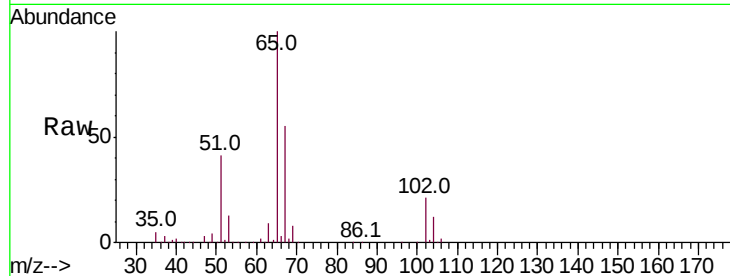
67 54.7 0.0 106.6

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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: VX009298.D

Acq: 03 May 2019 01:03

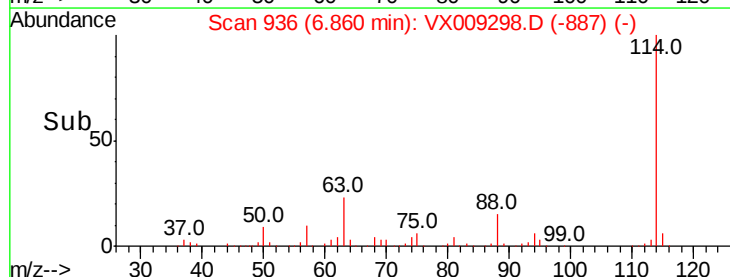
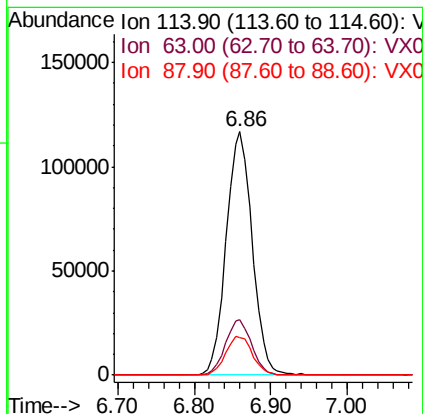
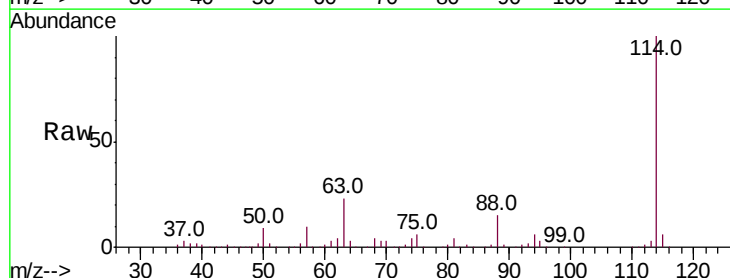
Tgt Ion: 114 Resp: 274720

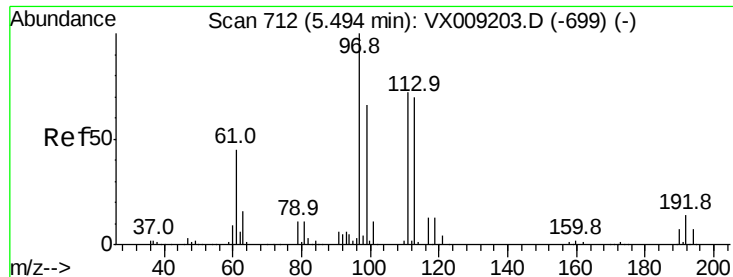
Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.6

88 15.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.303 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

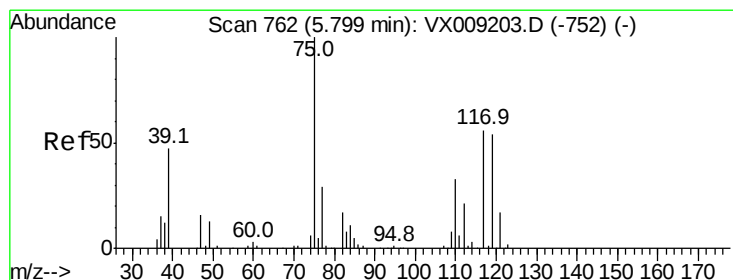
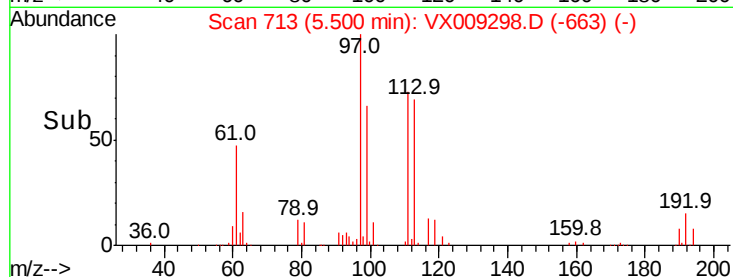
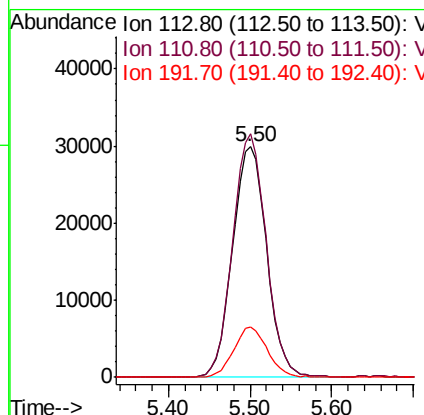
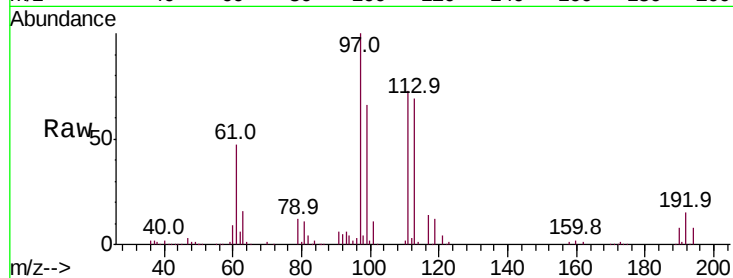
ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 86874
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.8 124.2
 192 21.4 17.0 25.6

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#36

1,1-Dichloropropene

Concen: 49.077 ug/l

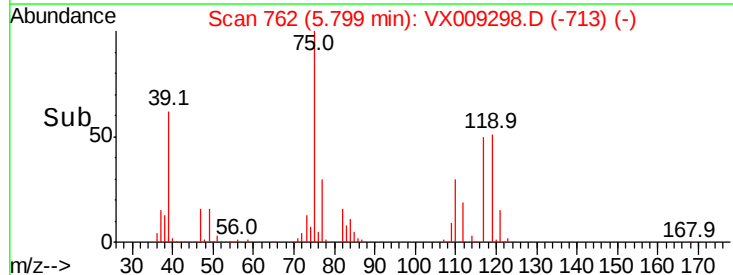
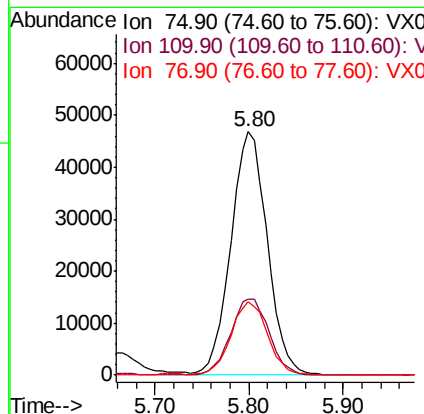
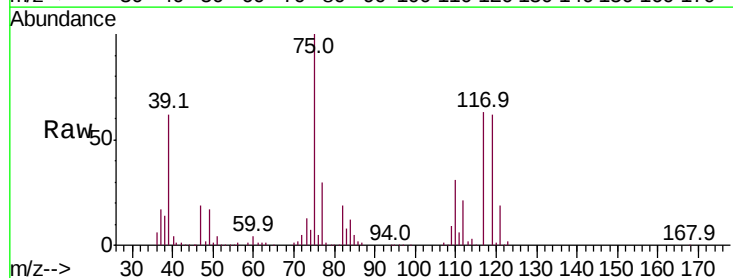
RT: 5.80 min Scan# 762

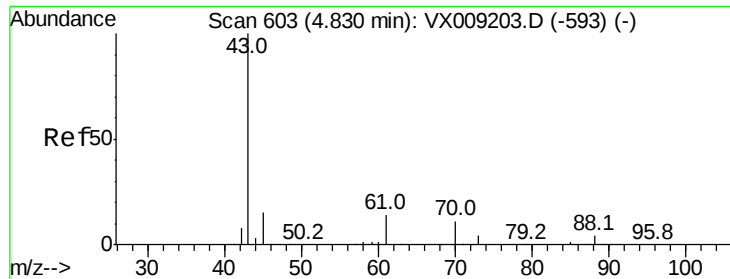
Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Tgt Ion: 75 Resp: 125295
 Ion Ratio Lower Upper
 75 100
 110 33.4 16.9 50.6
 77 30.7 24.8 37.2





#37

Ethyl Acetate

Concen: 53.559 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

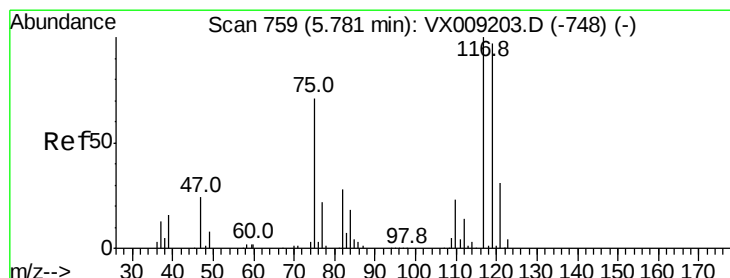
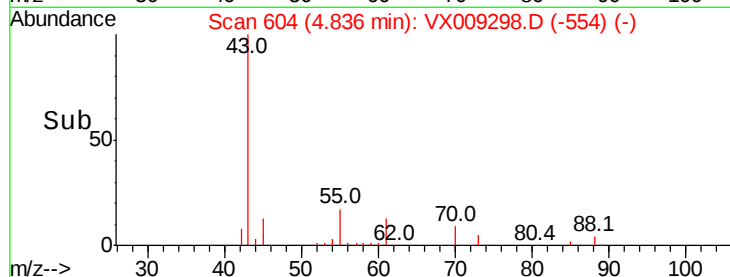
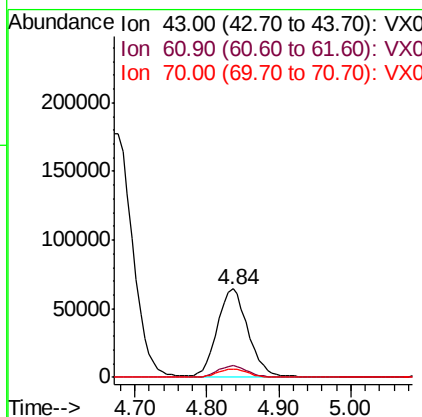
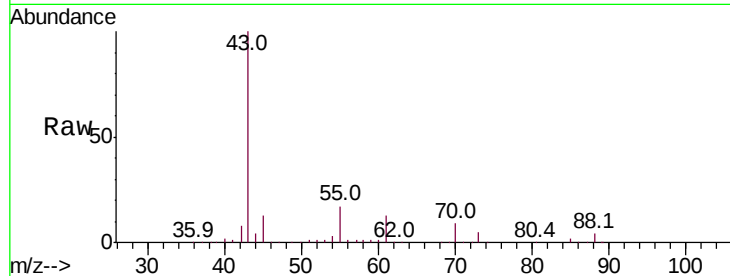
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	190513
Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.5	15.7
70	9.4	7.9	11.9

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#38

Carbon Tetrachloride

Concen: 50.023 ug/l

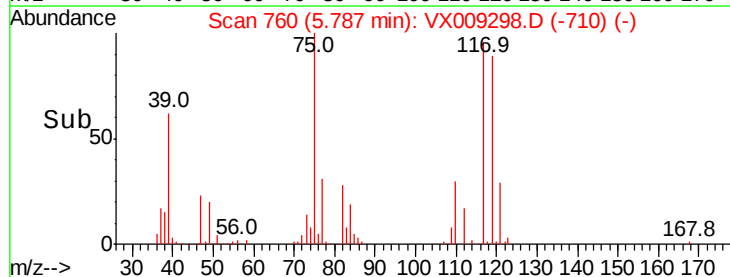
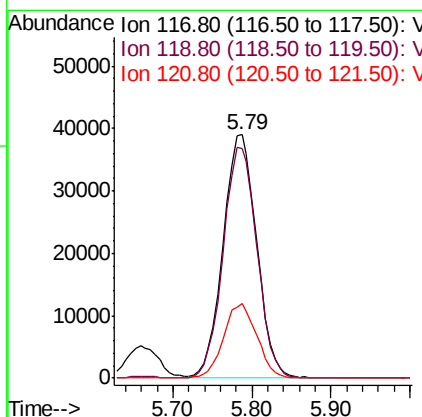
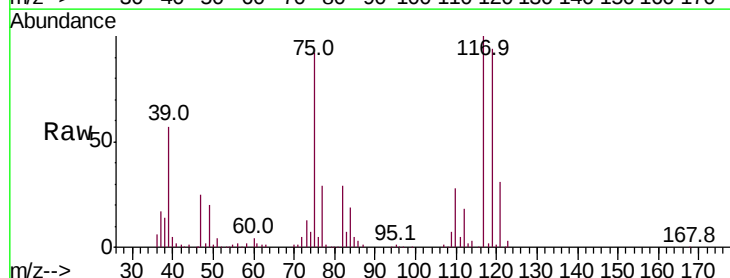
RT: 5.79 min Scan# 760

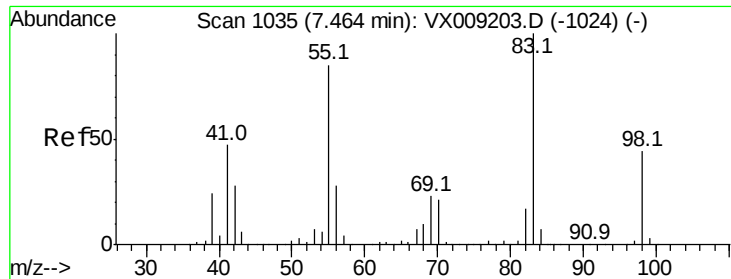
Delta R.T. 0.01 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Tgt Ion:	117	Resp:	116031
Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.5	116.3
121	30.6	24.7	37.1





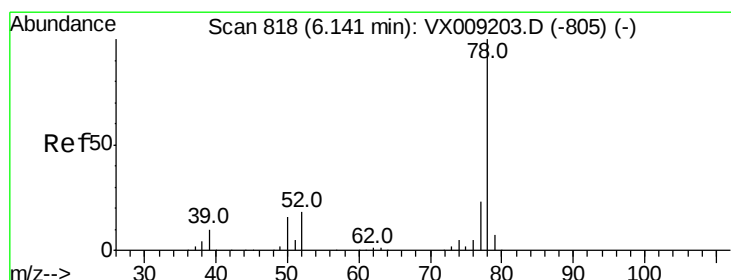
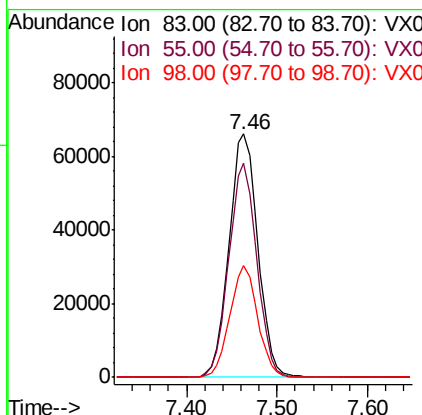
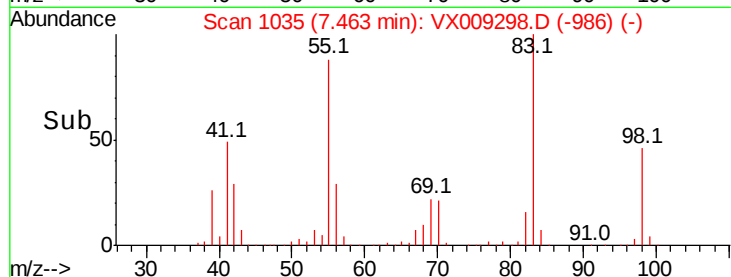
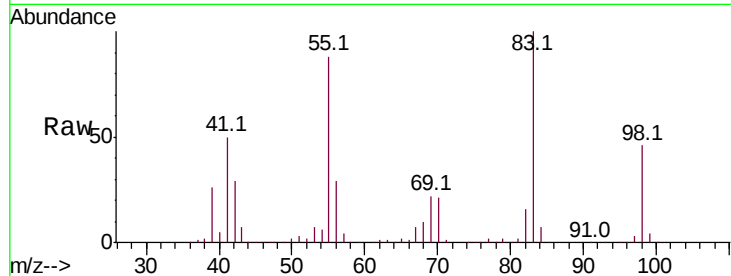
#39
Methvlcvclohexane
Concen: 46.441 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.0	67.7	101.5
98	46.0	35.5	53.3

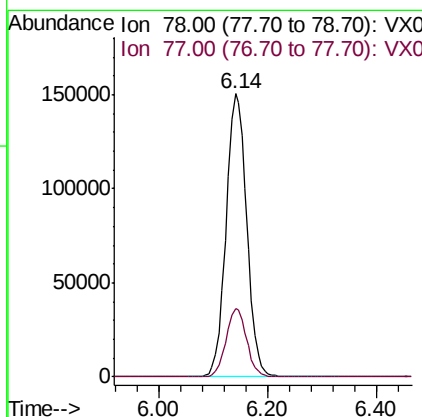
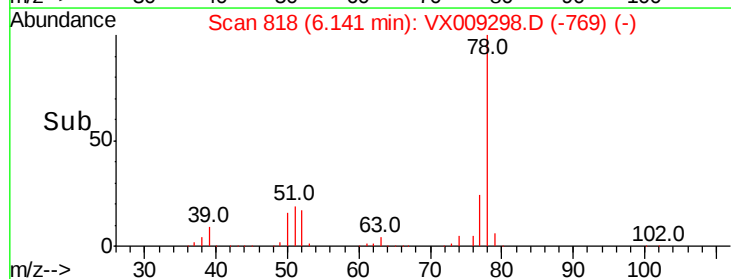
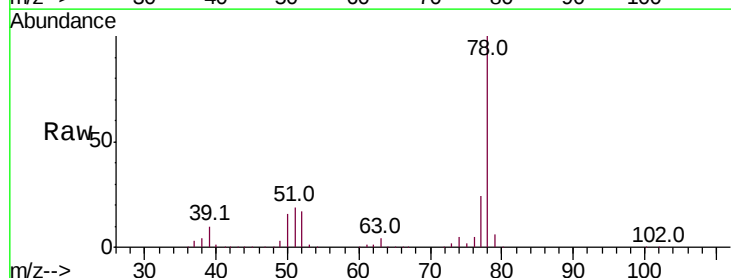
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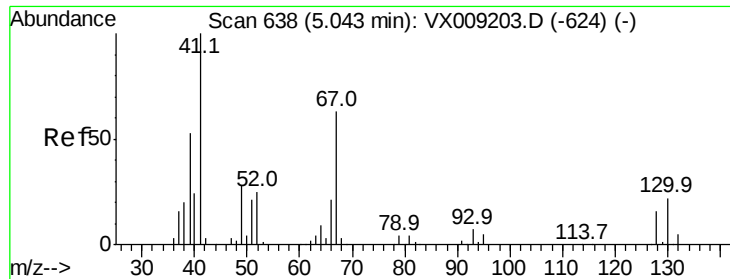
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#40
Benzene
Concen: 50.257 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2





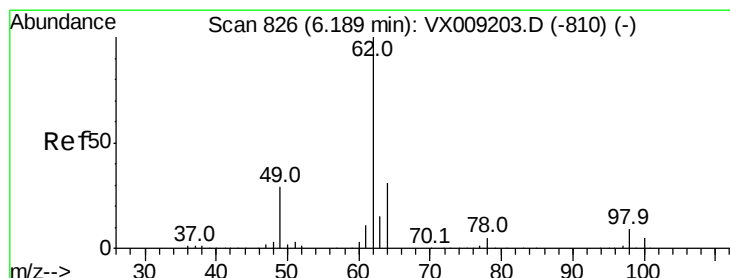
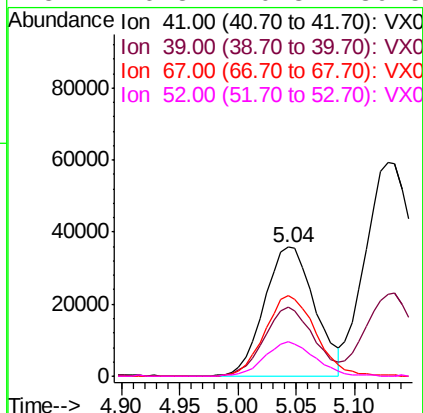
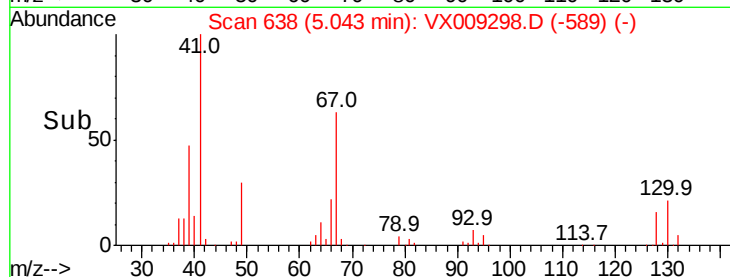
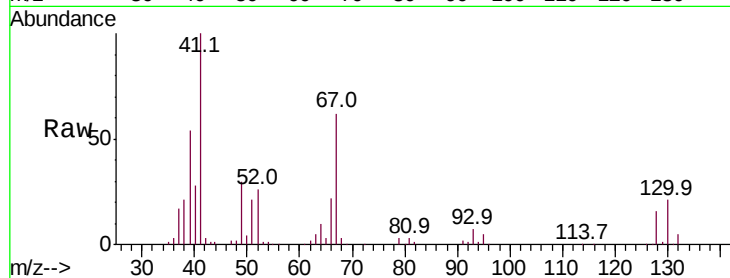
#41
Methacrylonitrile
Concen: 50.660 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.9	42.0	63.0	
67	63.3	49.8	74.8	
52	26.8	20.3	30.5	

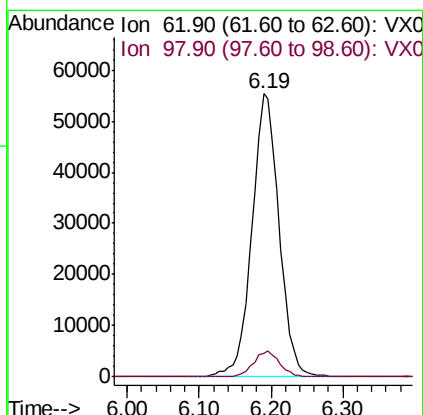
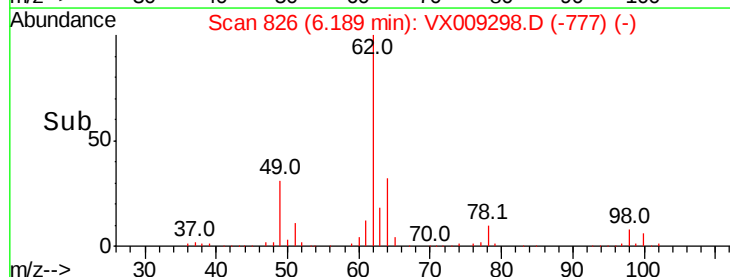
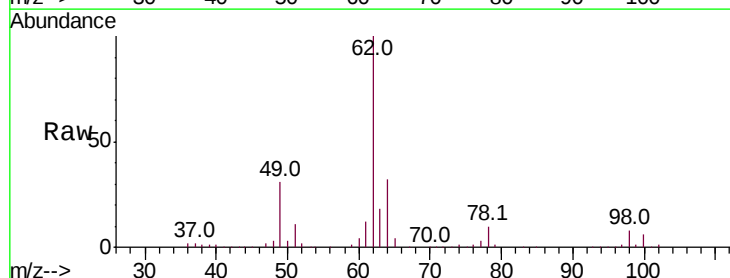
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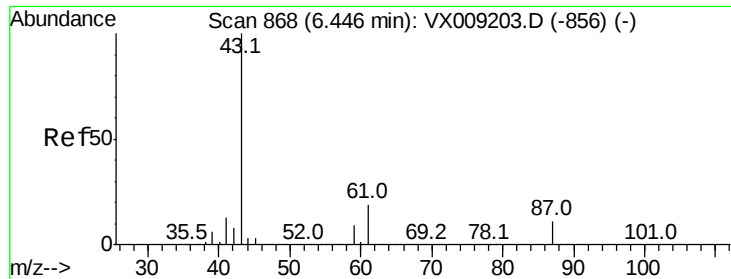
MMDadoda
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#42
1,2-Dichloroethane
Concen: 51.080 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	18.2	





#43

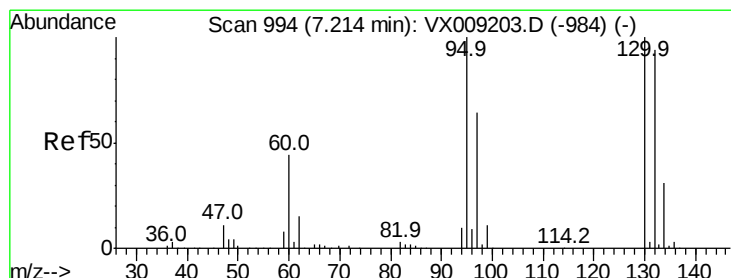
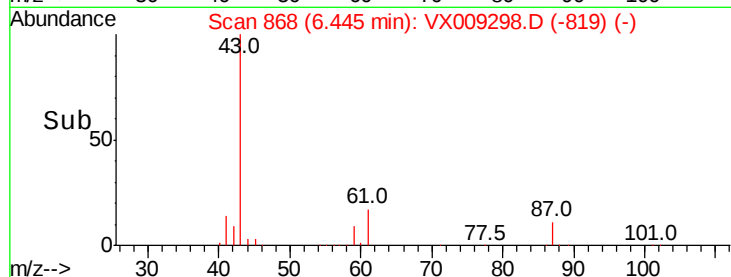
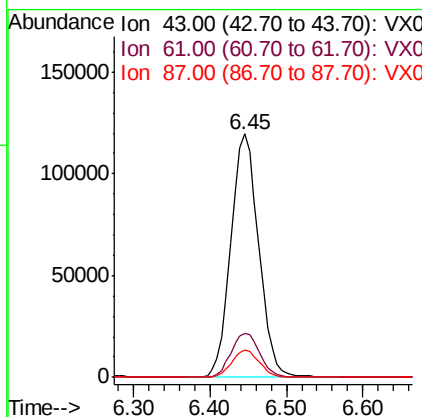
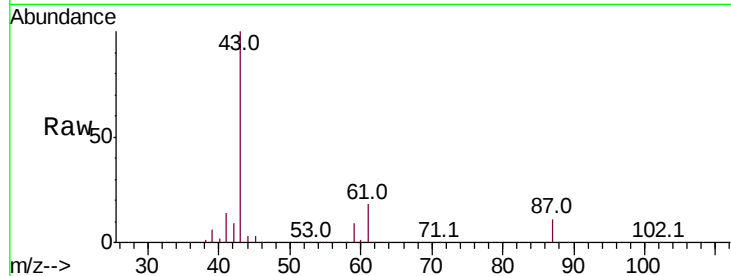
Isopropyl Acetate
 Concen: 52.781 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.1	22.7
87	11.2	9.0	13.6

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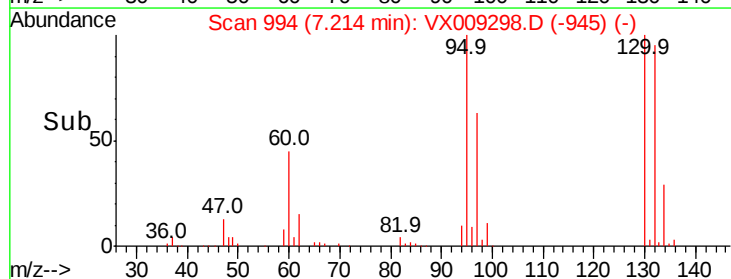
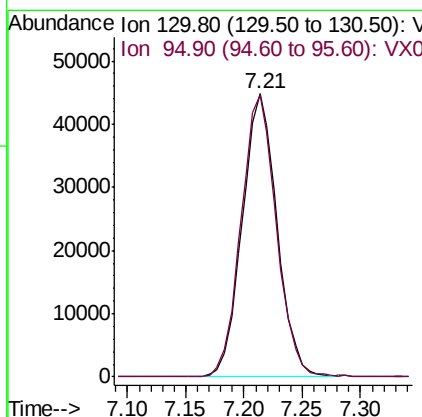
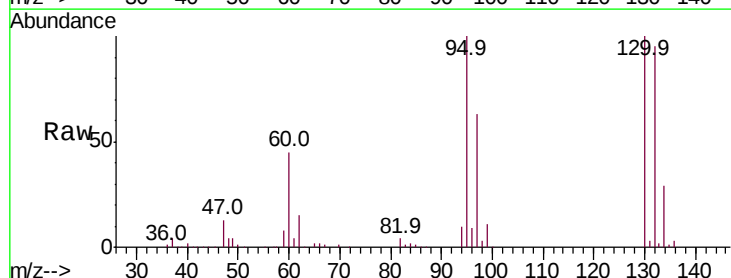
MMDadoda
 5/3/2019 11:18:54 AM

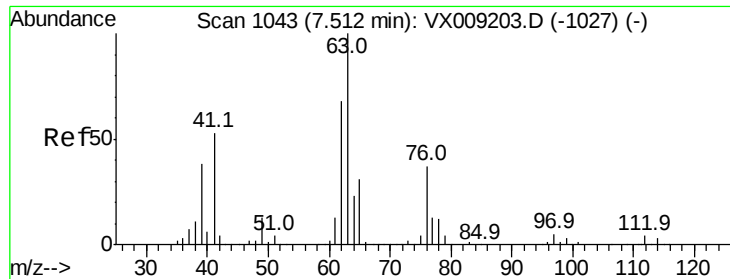


#44

Trichloroethene
 Concen: 48.796 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	199.2





#45

1,2-Dichloropropane

Concen: 50.636 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 113287

Ion Ratio Lower Upper

63 100

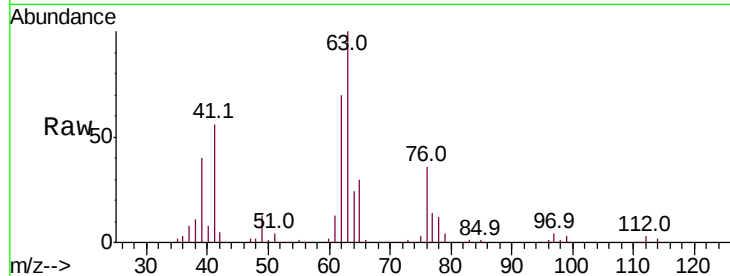
65 30.0 25.0 37.6

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

60000

50000

40000

30000

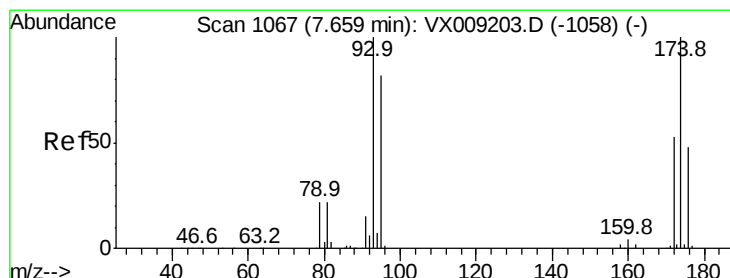
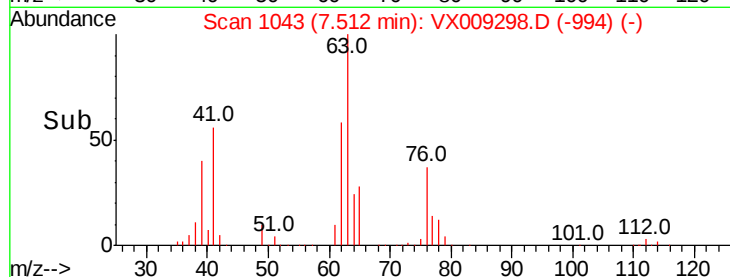
20000

10000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 49.995 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

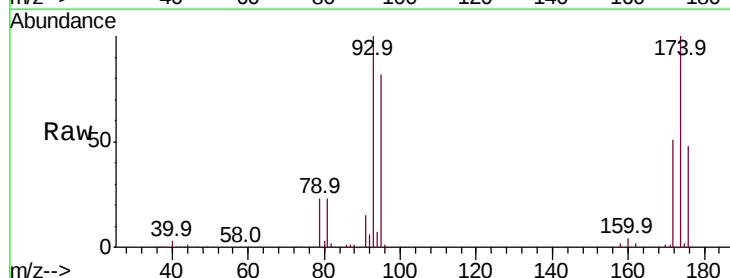
Tgt Ion: 93 Resp: 64954

Ion Ratio Lower Upper

93 100

95 83.2 66.5 99.7

174 103.7 82.1 123.1



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

40000

30000

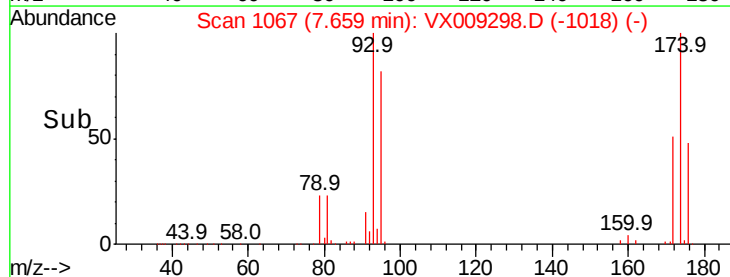
20000

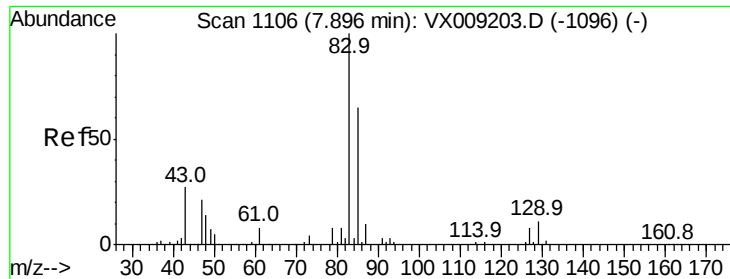
10000

0

7.60 7.70 7.80

Time-->





#47

Bromodichloromethane

Concen: 51.358 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

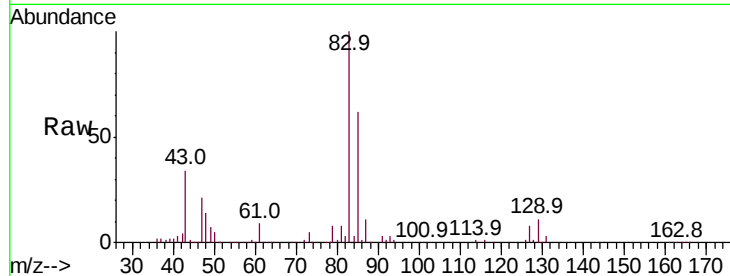
ClientSampleId :

VSTDCCC050EC

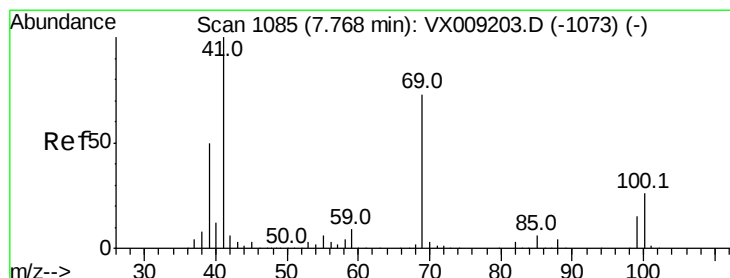
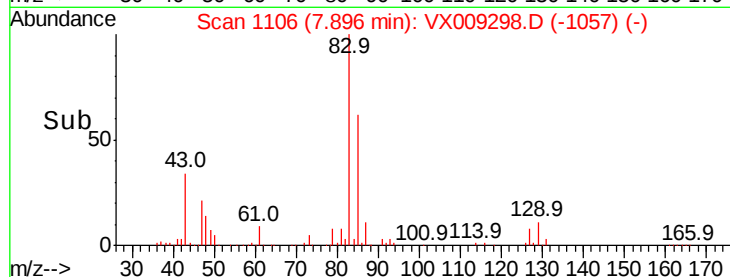
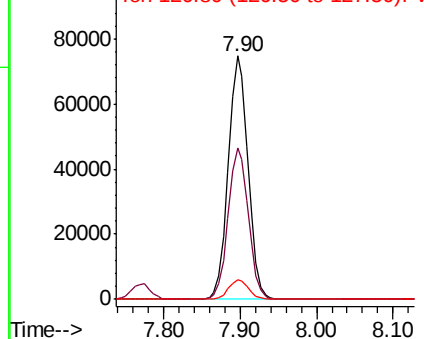
Tot Ion:	83	Resp:	133097
Ion	Ratio	Lower	Upper
83	100		
85	62.2	52.4	78.6
127	7.8	6.6	10.0

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



#48

Methyl methacrylate

Concen: 53.324 ug/l

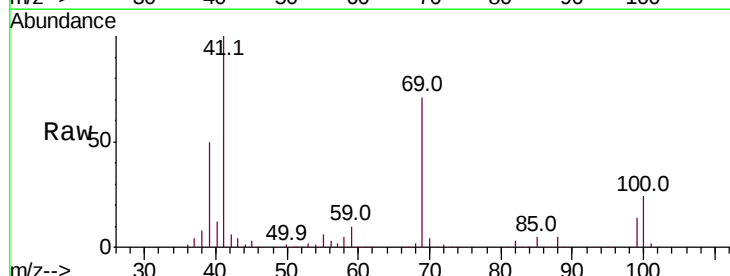
RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

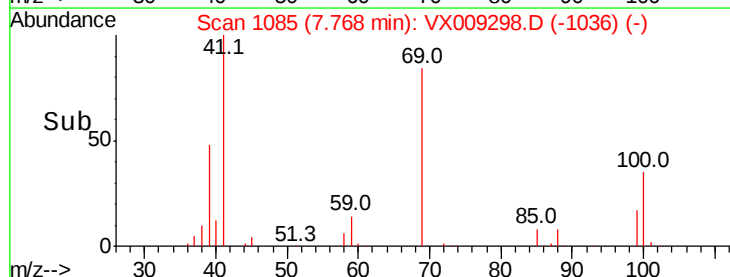
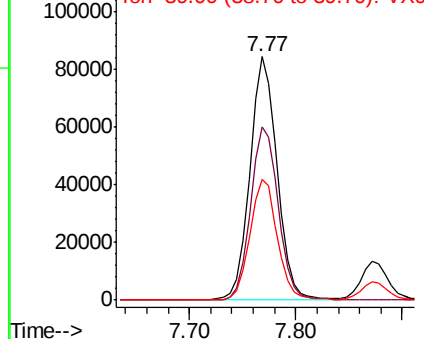
Lab File: VX009298.D

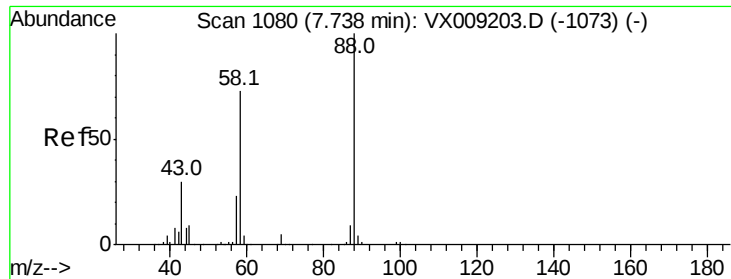
Acq: 03 May 2019 01:03

Tgt Ion:	41	Resp:	150524
Ion	Ratio	Lower	Upper
41	100		
69	73.1	59.1	88.7
39	49.9	40.4	60.6



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





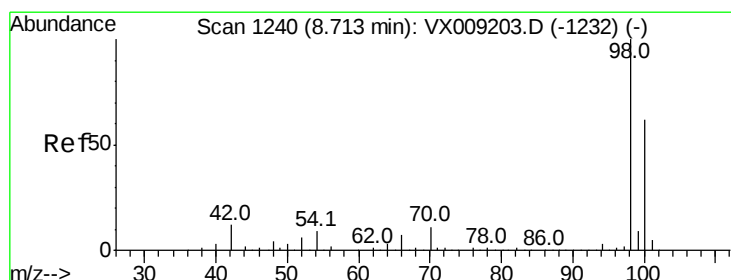
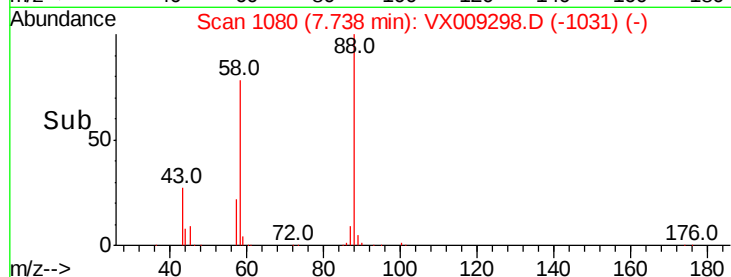
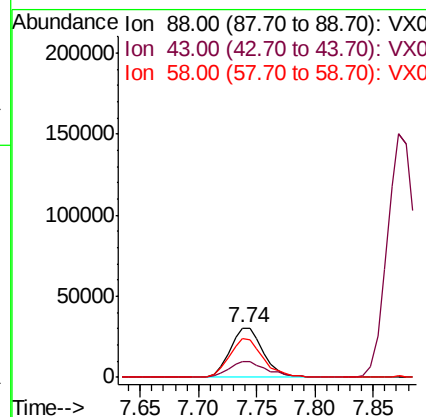
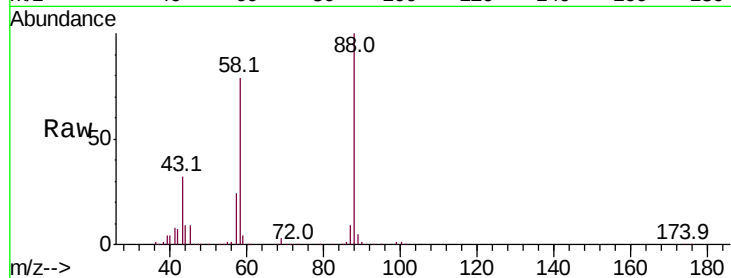
#49
1,4-Dioxane
Concen: 1065.983 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.3	28.6	42.8
58	78.7	61.7	92.5

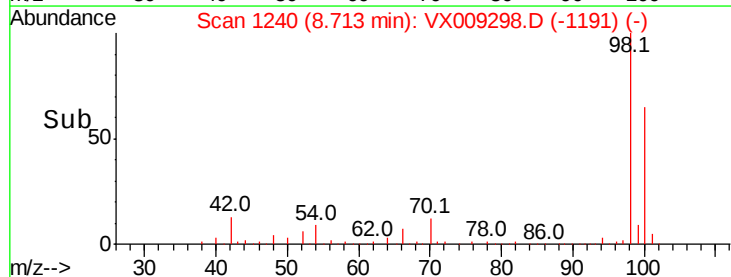
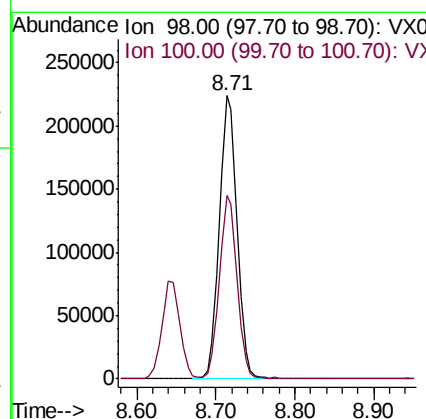
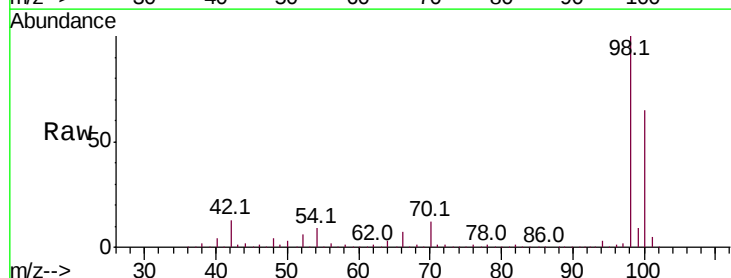
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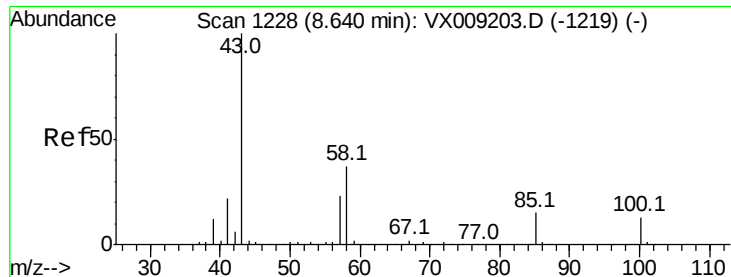
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#50
Toluene-d8
Concen: 50.559 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 268.496 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 998524

Ion Ratio Lower Upper

43 100

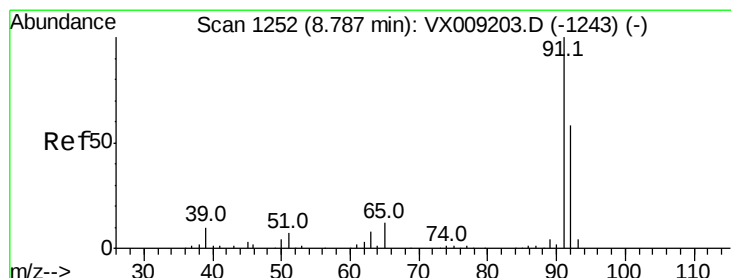
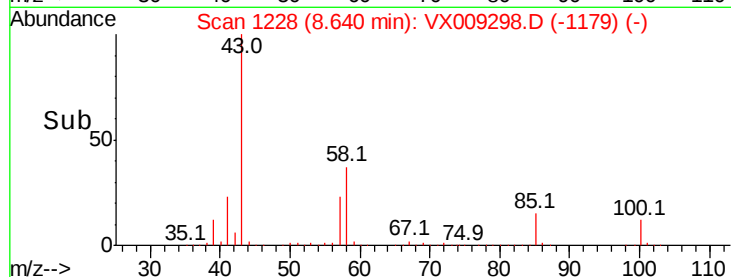
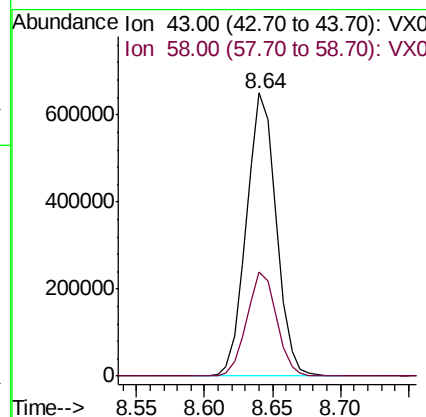
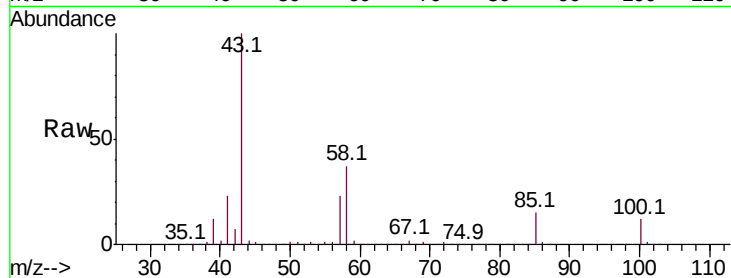
58 36.8 29.5 44.3

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#52

Toluene

Concen: 49.848 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009298.D

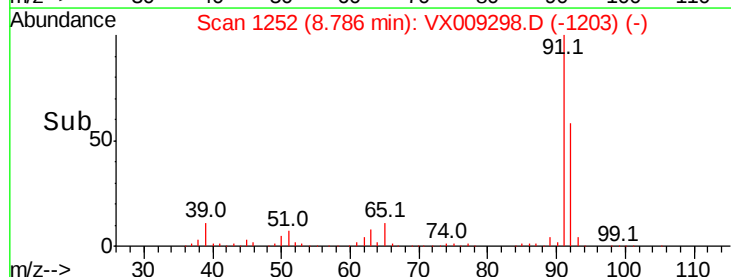
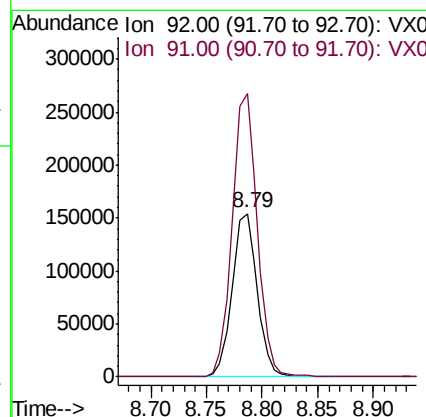
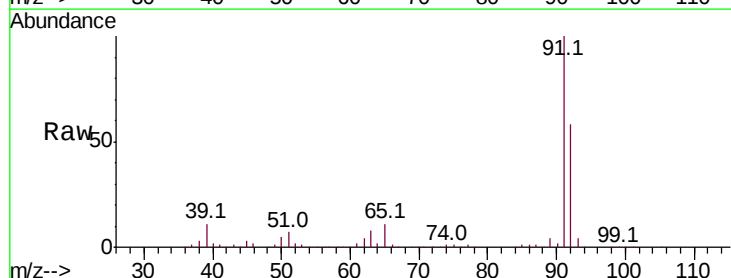
Acq: 03 May 2019 01:03

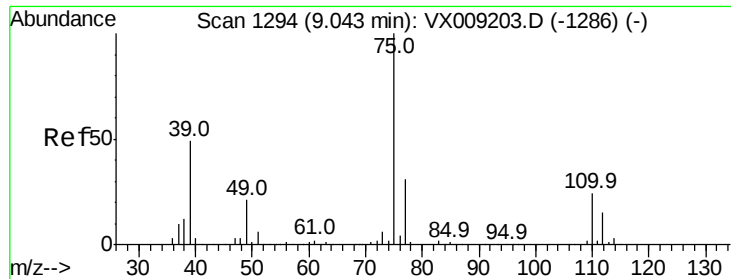
Tgt Ion: 92 Resp: 239415

Ion Ratio Lower Upper

92 100

91 174.3 138.8 208.2





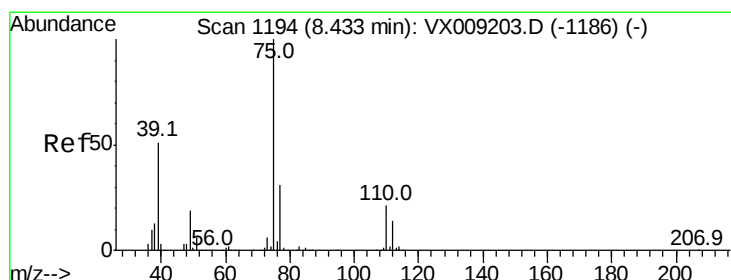
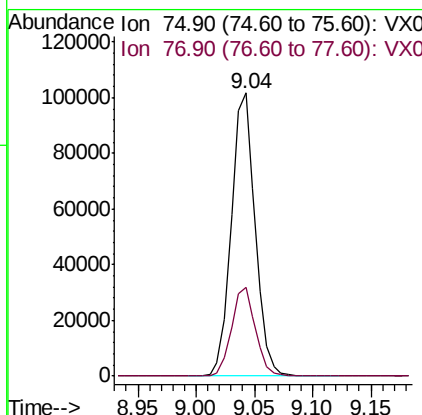
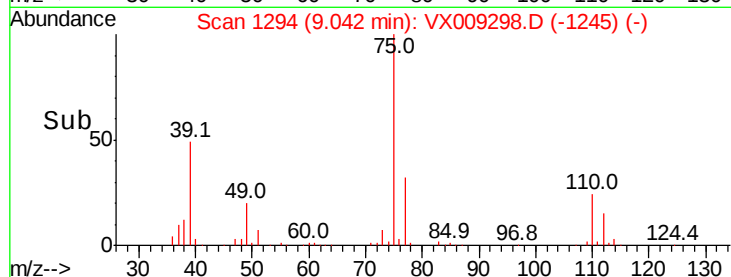
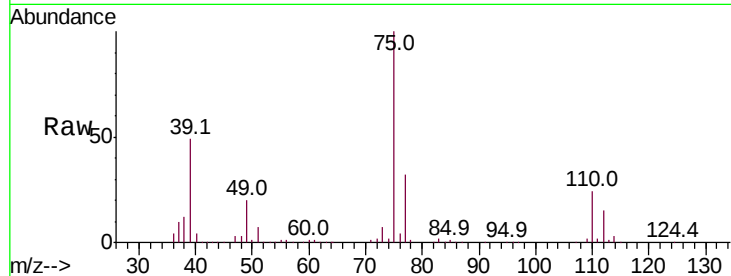
#53
t-1,3-Dichloropropene
Concen: 49.625 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 145199
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.6

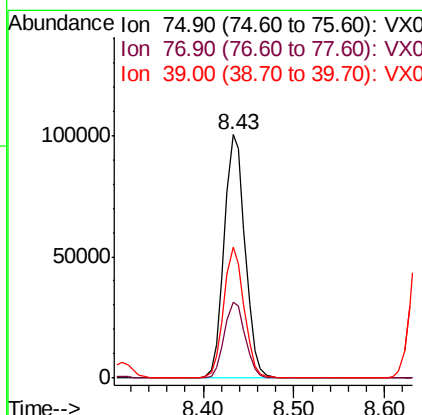
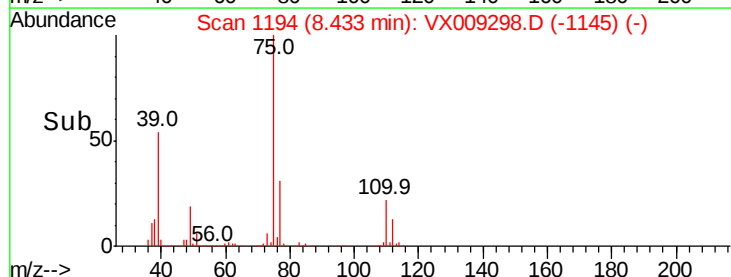
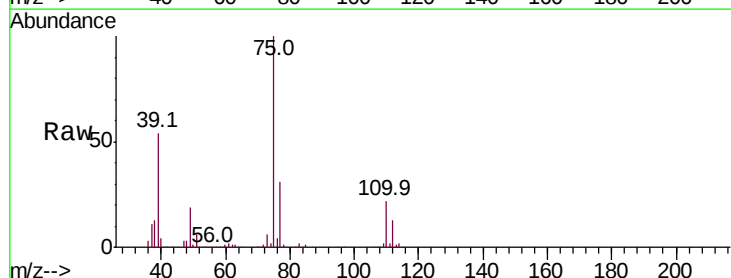
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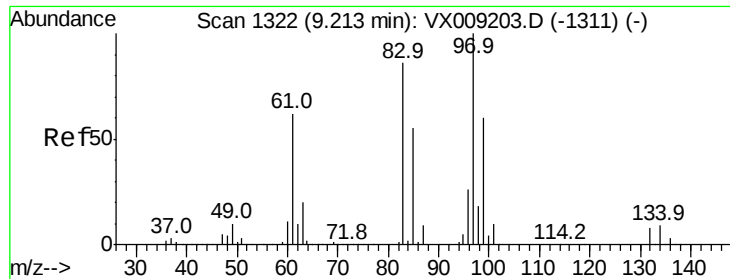
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#54
cis-1,3-Dichloropropene
Concen: 49.882 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion: 75 Resp: 161544
Ion Ratio Lower Upper
75 100
77 31.2 24.6 36.8
39 53.8 40.6 60.8





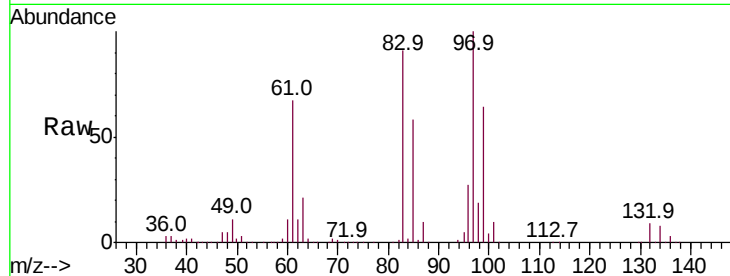
#55
 1,1,2-Trichloroethane
 Concen: 50.304 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tot Ion	97	Resp	98568
Ion	Ratio	Lower	Upper
97	100		
83	90.7	68.9	103.3
85	58.0	43.8	65.6
99	64.1	48.2	72.2

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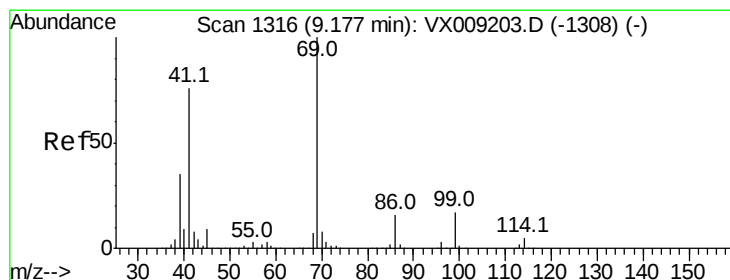
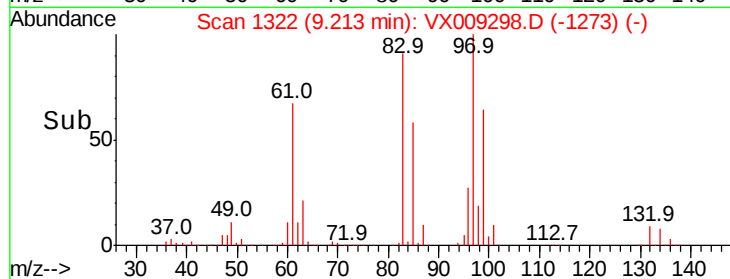
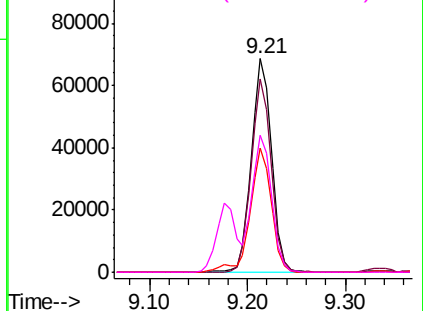
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

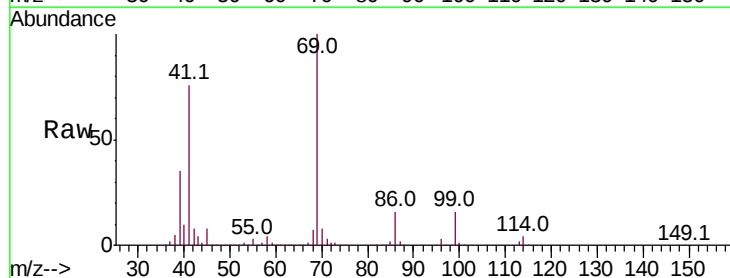
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 53.115 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Tgt Ion	69	Resp	185782
Ion	Ratio	Lower	Upper
69	100		
41	76.8	60.6	90.8
39	35.9	28.2	42.4

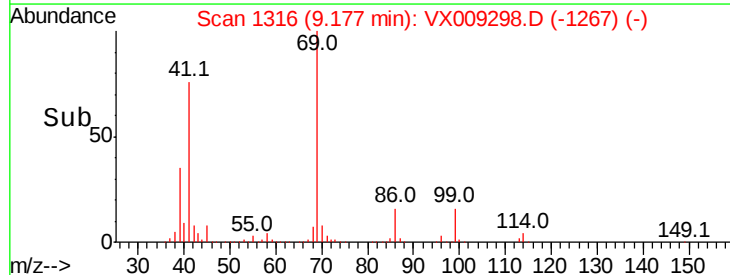
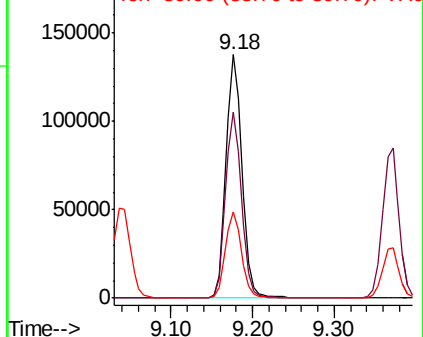


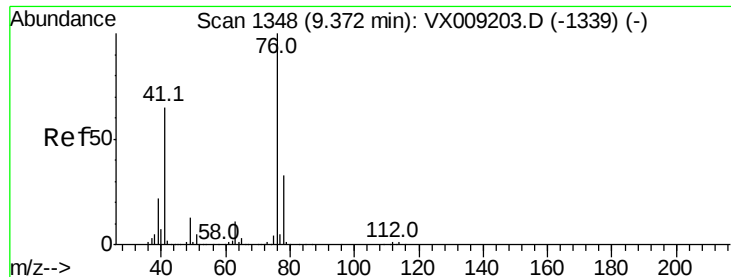
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 51.334 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 177007

Ion Ratio Lower Upper

76 100

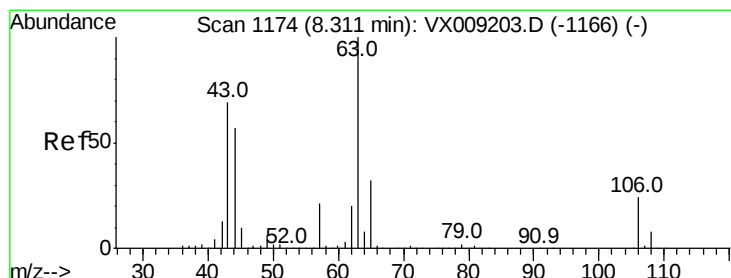
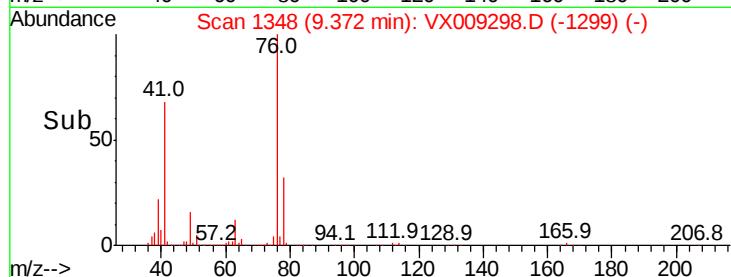
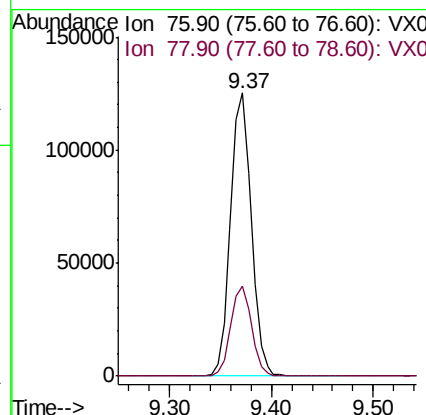
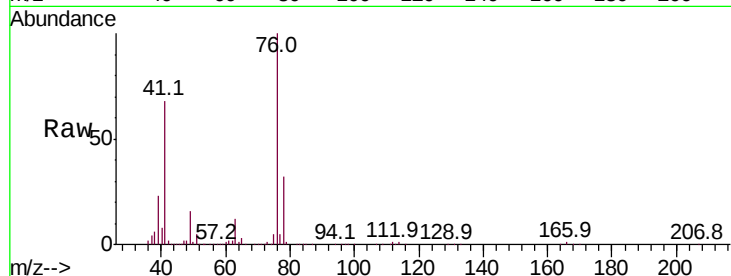
78 31.6 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 261.315 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009298.D

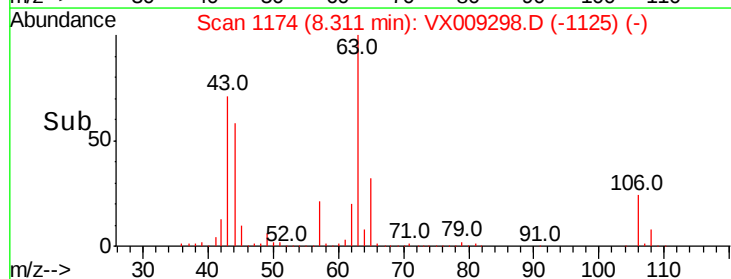
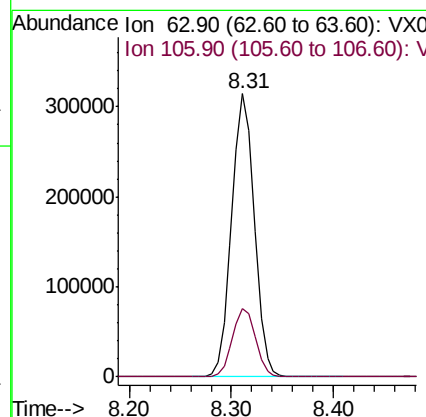
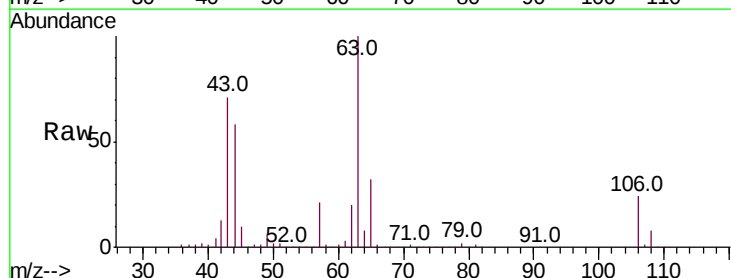
Acq: 03 May 2019 01:03

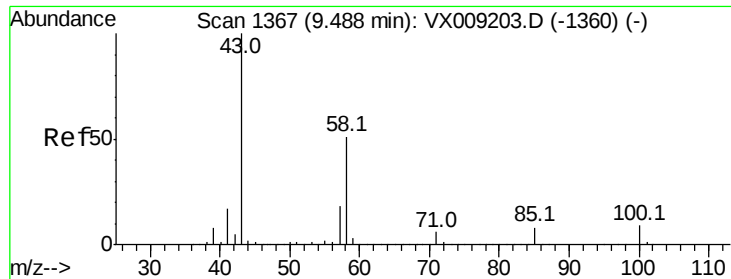
Tgt Ion: 63 Resp: 484876

Ion Ratio Lower Upper

63 100

106 24.7 19.7 29.5





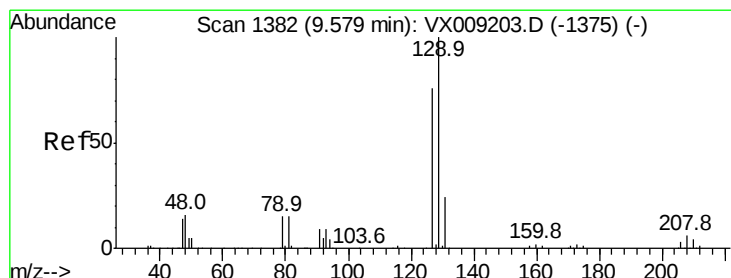
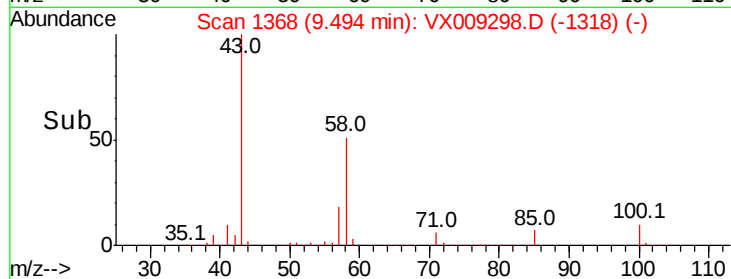
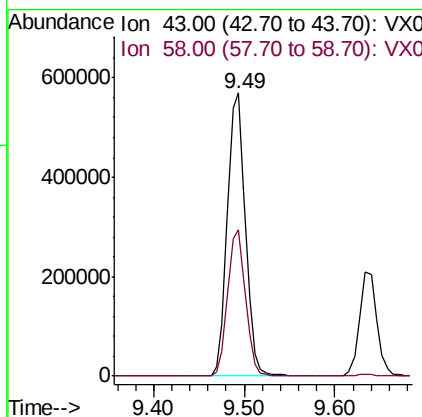
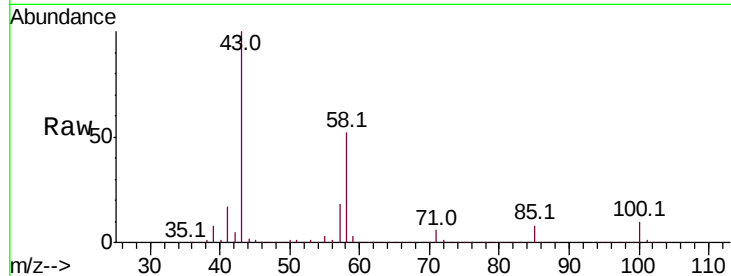
#59
2-Hexanone
Concen: 269.917 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 788380
Ion Ratio Lower Upper
43 100
58 51.6 25.9 77.7

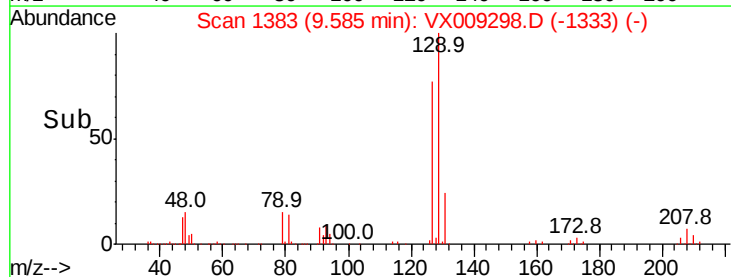
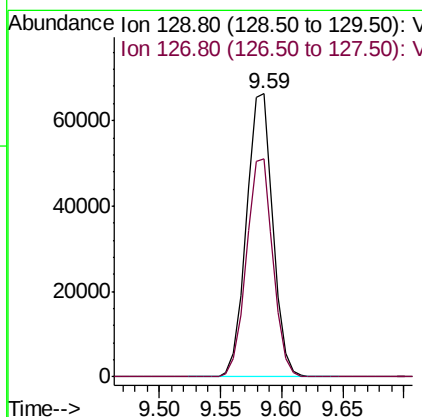
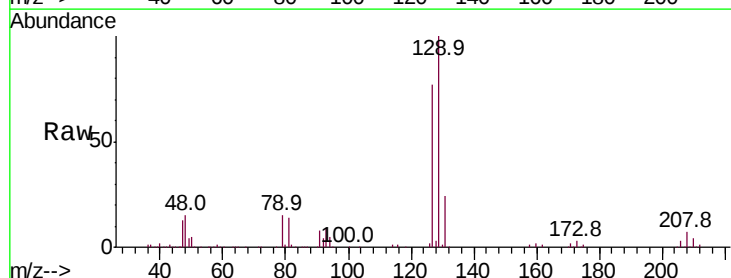
Manual Integrations
APPROVED

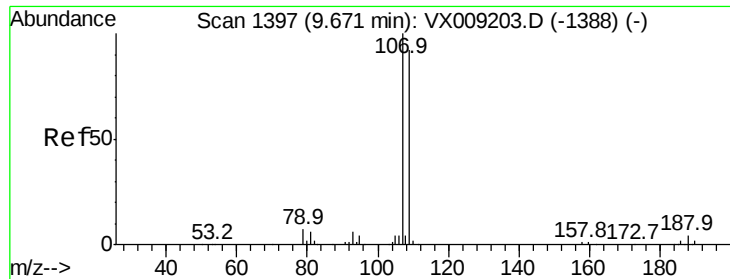
MMDadoda
5/3/2019 11:18:54 AM



#60
Dibromochloromethane
Concen: 52.170 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion: 129 Resp: 99840
Ion Ratio Lower Upper
129 100
127 77.2 38.4 115.1





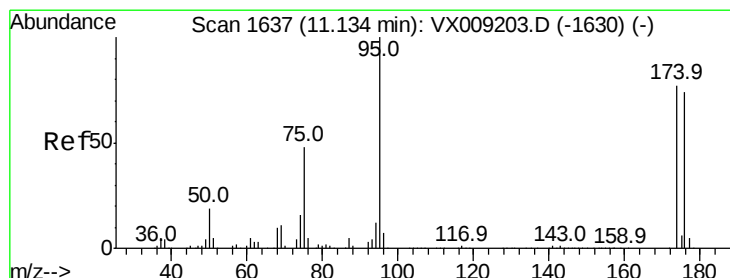
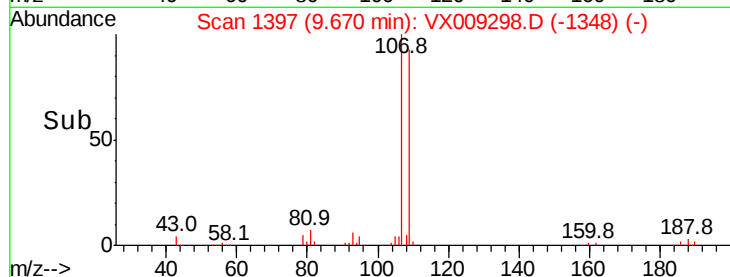
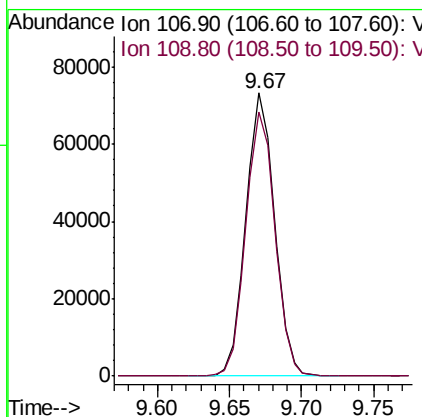
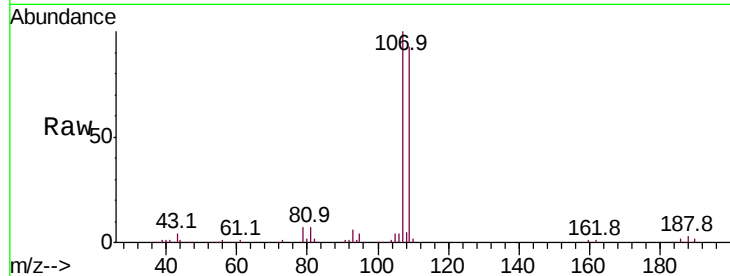
#61
 1,2-Dibromoethane
 Concen: 51.061 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	100995		
109	94.8	75.2	112.8	

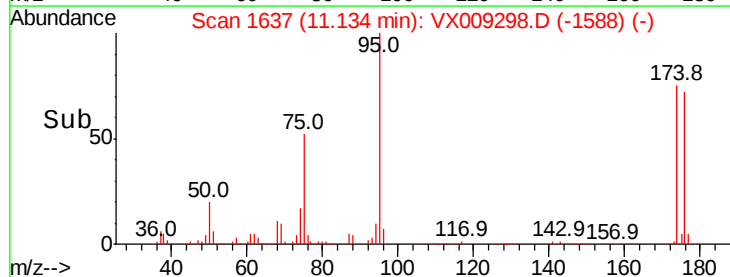
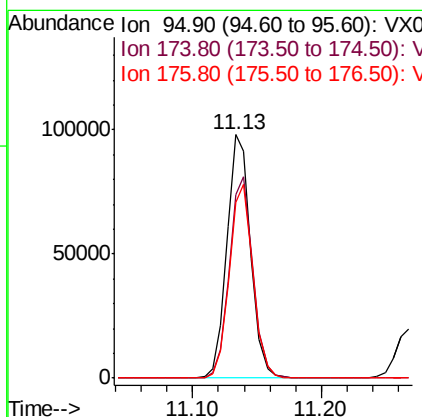
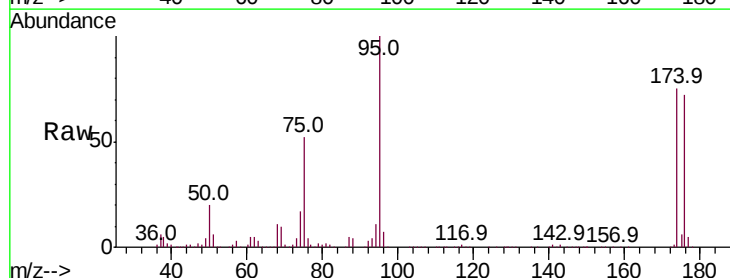
Manual Integrations
 APPROVED

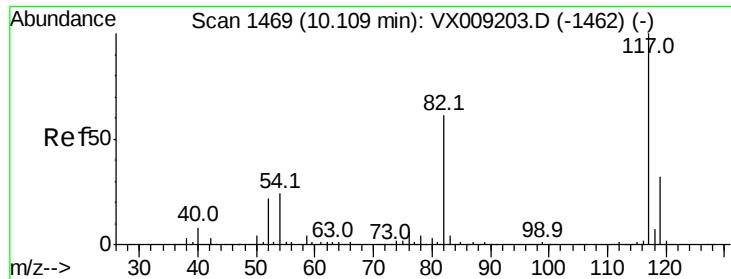
MMDadoda
 5/3/2019 11:18:54 AM



#62
 4-Bromofluorobenzene
 Concen: 50.067 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	126844		
174	82.1	0.0	161.6	
176	79.2	0.0	159.2	





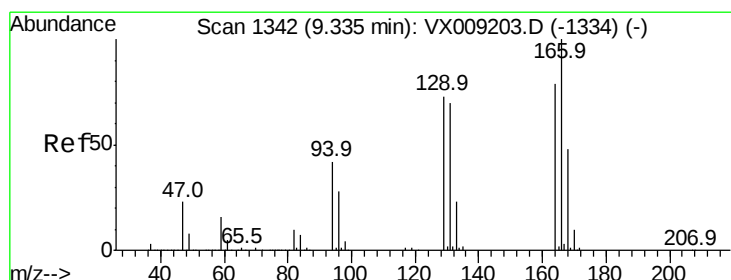
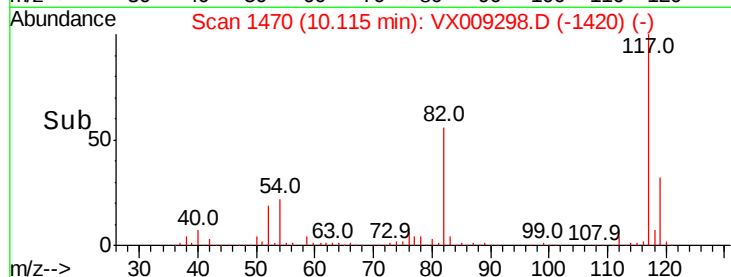
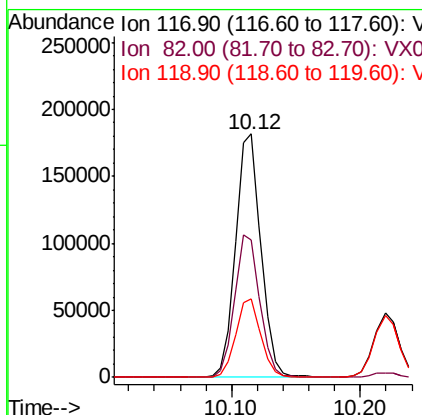
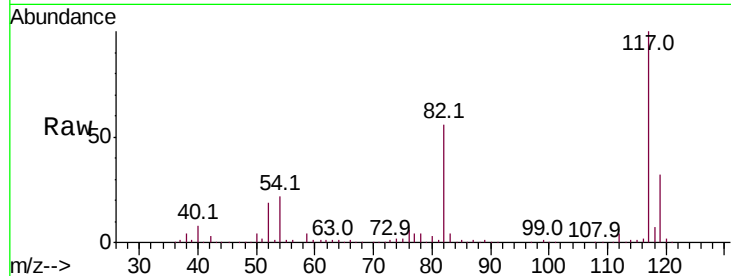
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	248715		
82	56.2	48.8	73.2	
119	32.1	25.8	38.6	

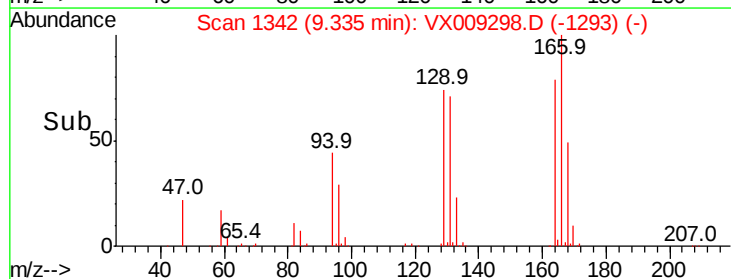
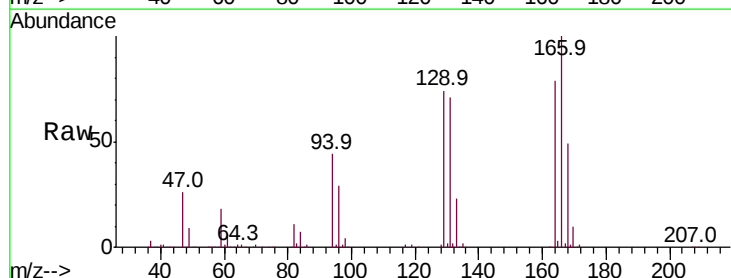
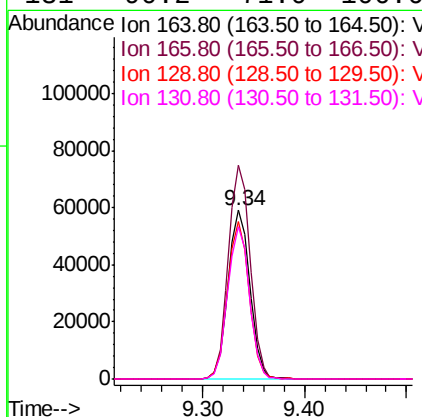
Manual Integrations
APPROVED

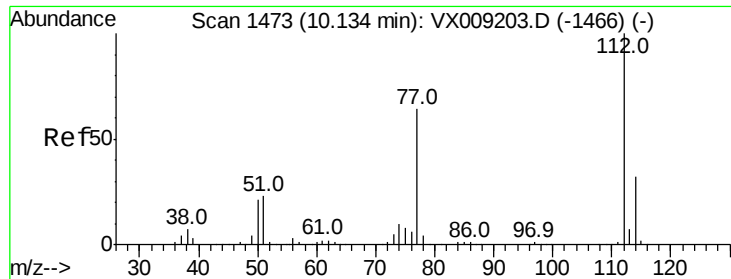
MMDadoda
5/3/2019 11:18:54 AM



#64
Tetrachloroethene
Concen: 50.845 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	86745		
166	126.8	101.2	151.8	
129	93.7	74.3	111.5	
131	90.2	71.0	106.6	





#65

Chlorobenzene

Concen: 49.874 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 248142

Ion Ratio Lower Upper

112 100

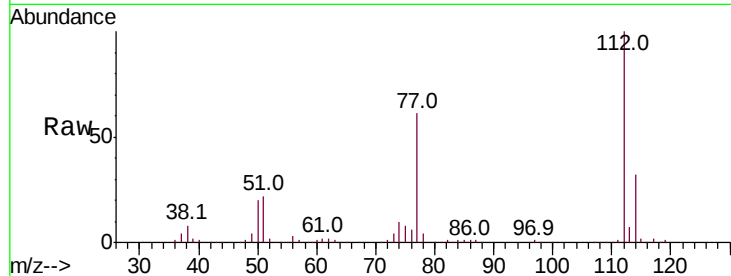
114 32.5 25.5 38.3

Manual Integrations

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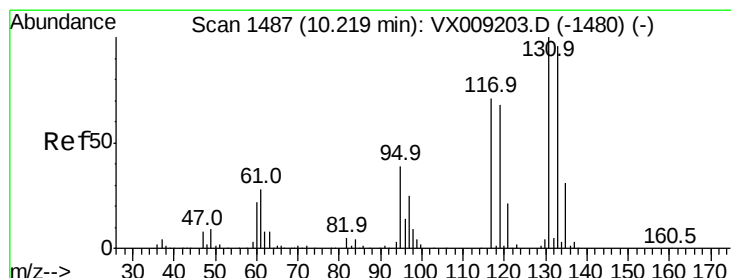
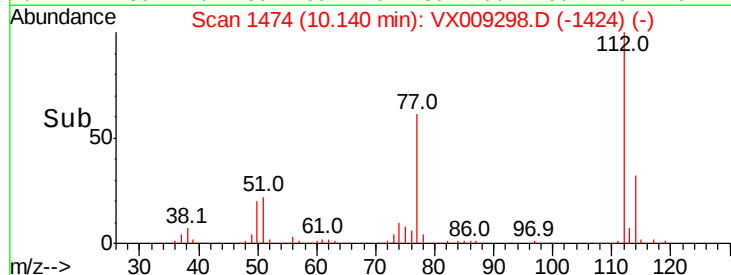
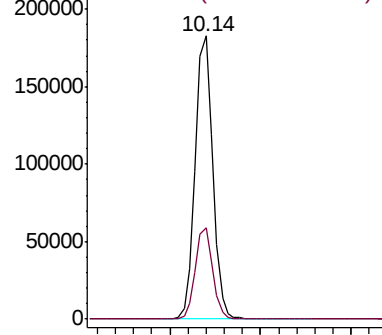
MMDadoda

5/3/2019 11:18:54 AM



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: 51.284 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

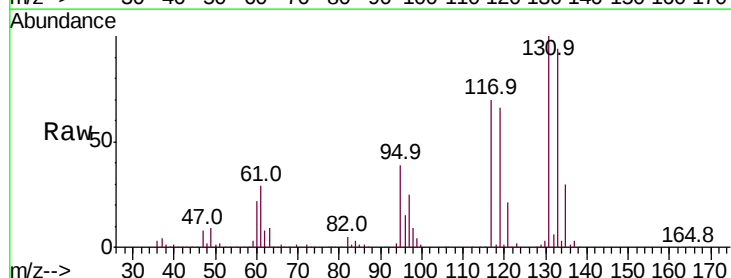
Tgt Ion:131 Resp: 92506

Ion Ratio Lower Upper

131 100

133 95.8 47.7 143.1

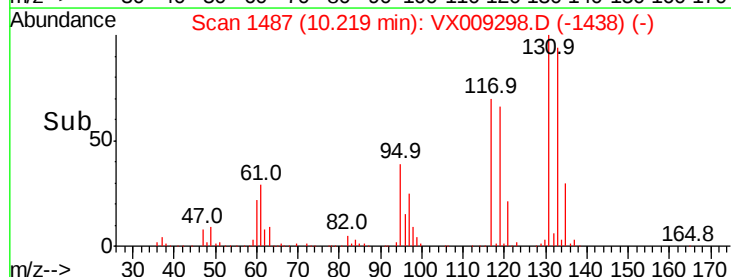
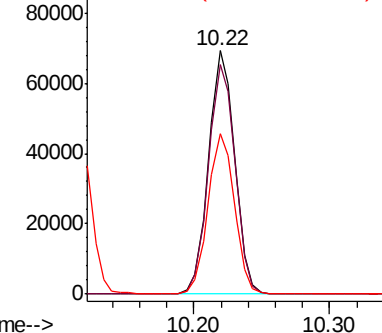
119 66.7 33.5 100.4

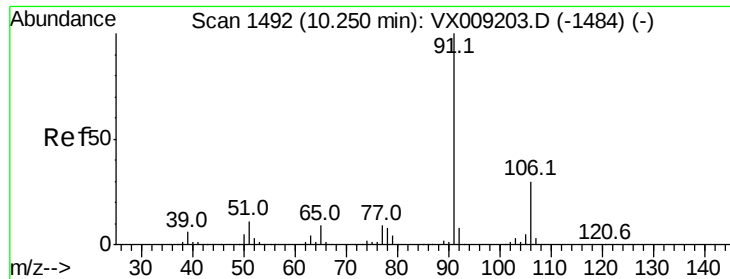


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





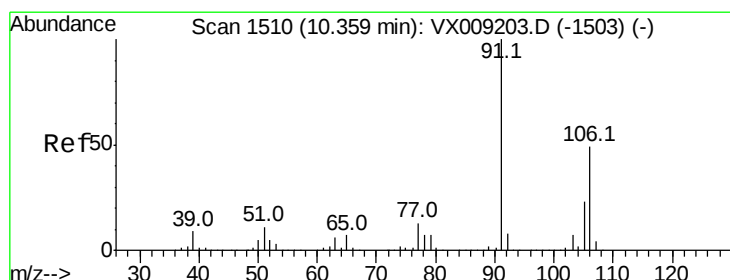
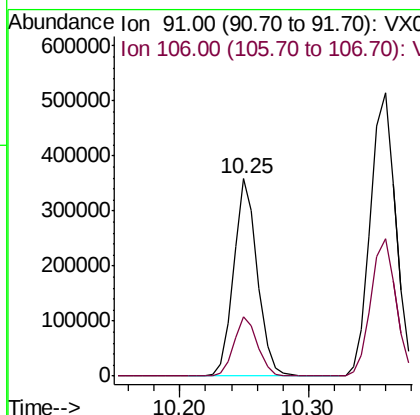
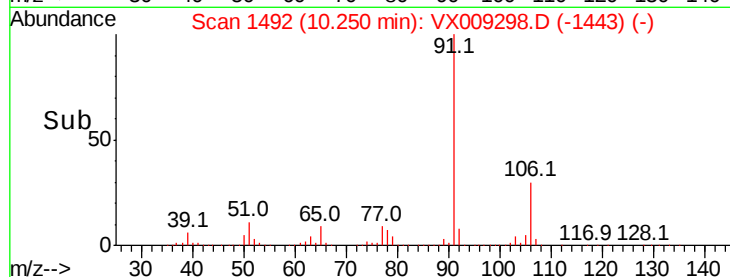
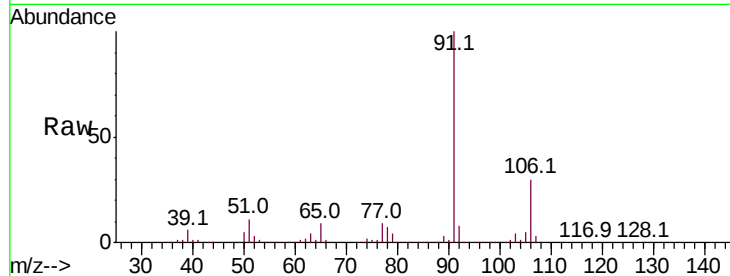
#67
Ethyl Benzene
Concen: 50.328 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 460833
Ion Ratio Lower Upper
91 100
106 30.1 24.0 36.0

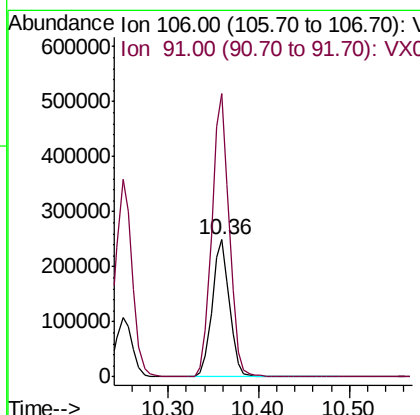
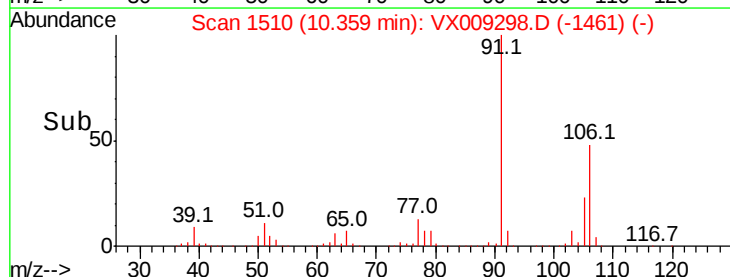
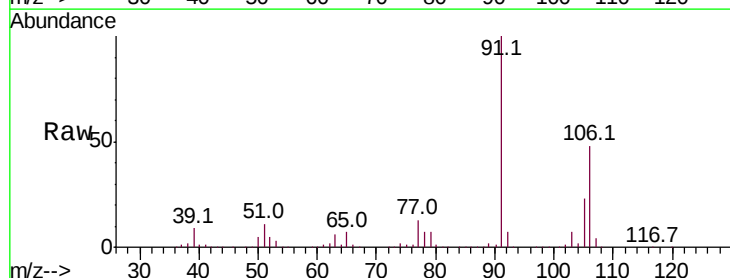
Manual Integrations
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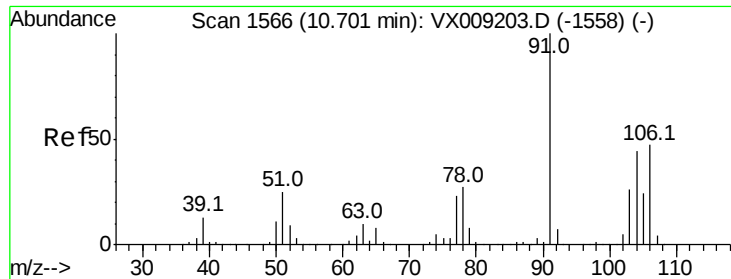
MMDadoda
5/3/2019 11:18:54 AM



#68
m/p-Xylenes
Concen: 100.253 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion: 106 Resp: 335459
Ion Ratio Lower Upper
106 100
91 207.4 164.0 246.0





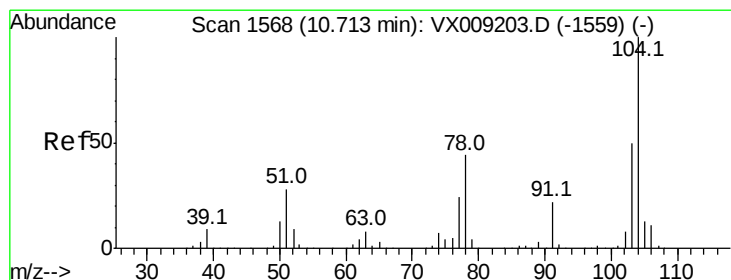
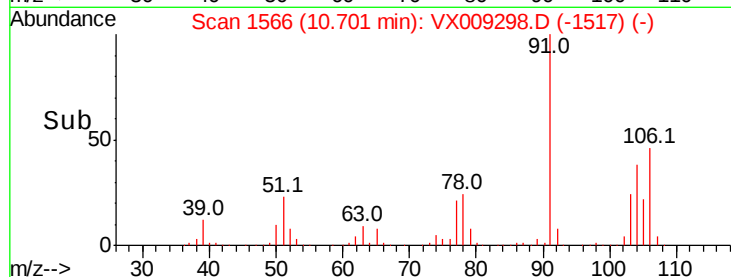
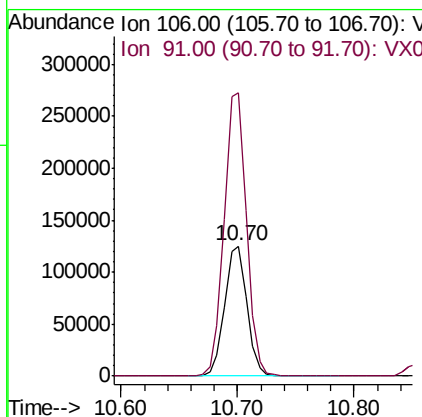
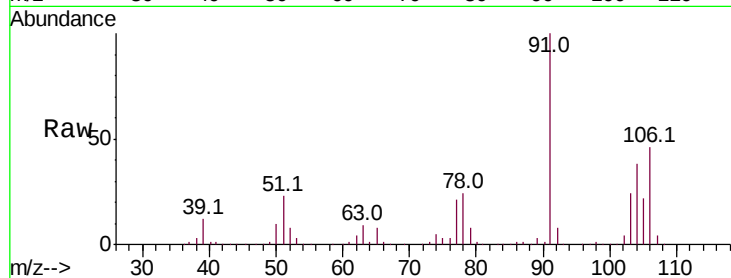
#69
o-Xylene
Concen: 50.294 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 166043
Ion Ratio Lower Upper
106 100
91 218.8 109.5 328.4

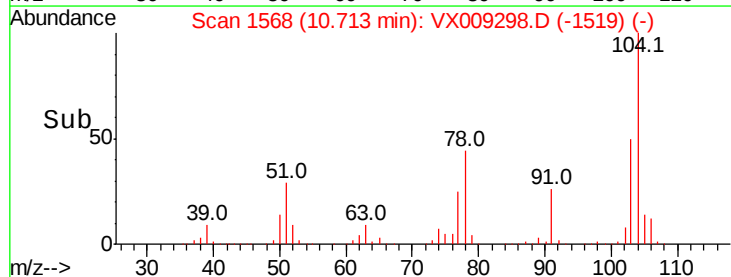
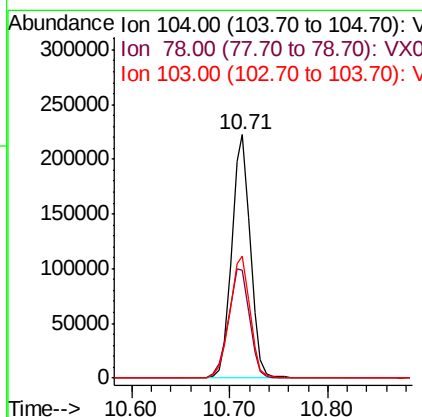
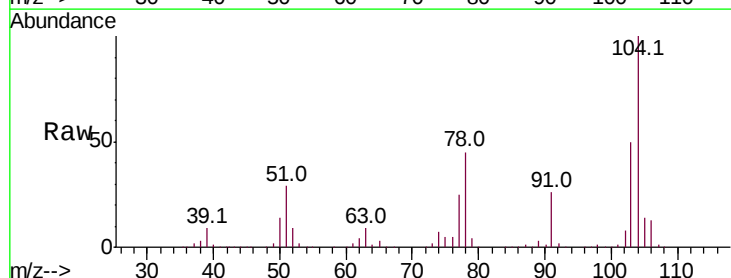
Manual Integrations
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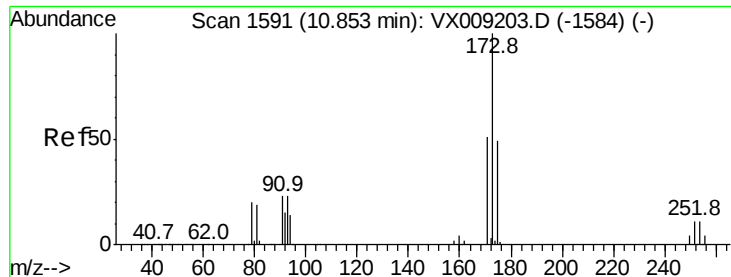
MMDadoda
5/3/2019 11:18:54 AM



#70
Styrene
Concen: 51.014 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion:104 Resp: 292727
Ion Ratio Lower Upper
104 100
78 51.6 41.0 61.4
103 54.9 43.8 65.6





#71

Bromoform

Concen: 53.063 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 77783

Ion Ratio Lower Upper

173 100

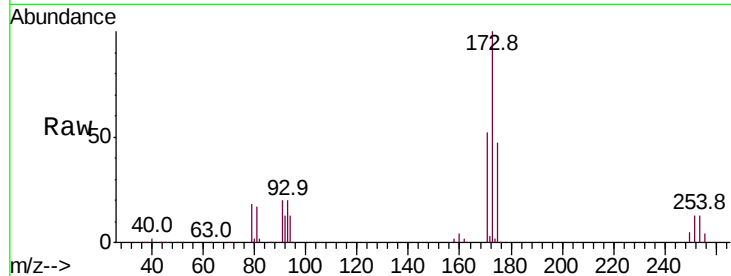
175 47.8 24.5 73.5

254 0.1 0.1 0.1#

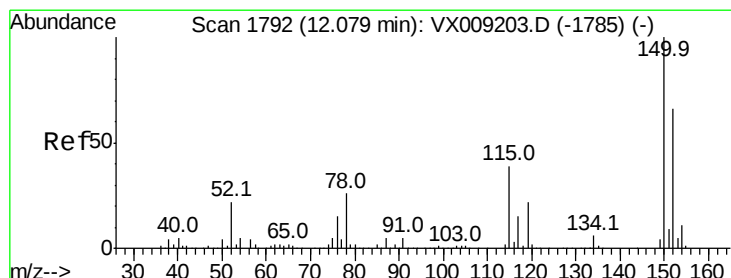
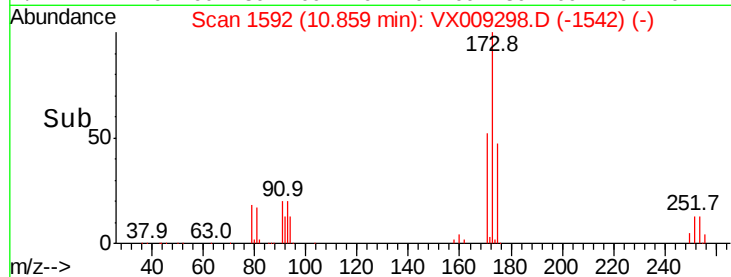
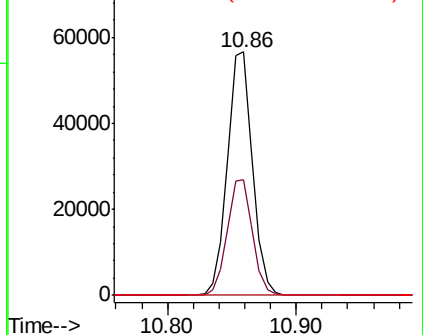
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

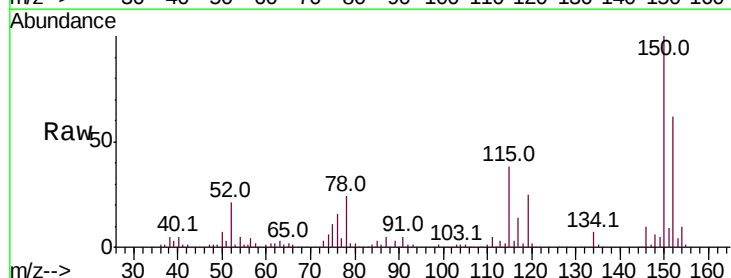
Tgt Ion:152 Resp: 121475

Ion Ratio Lower Upper

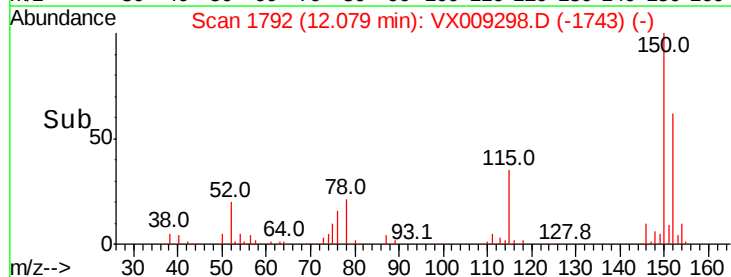
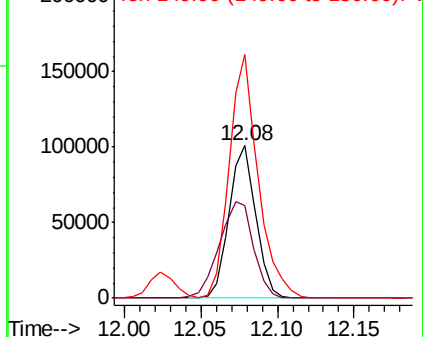
152 100

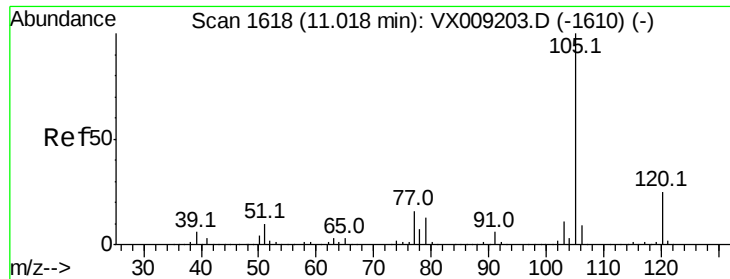
115 81.3 41.2 123.6

150 172.9 0.0 346.4



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





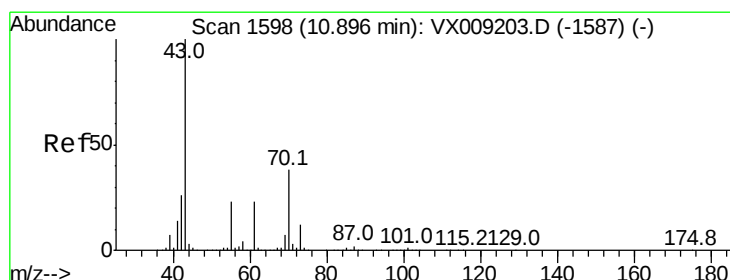
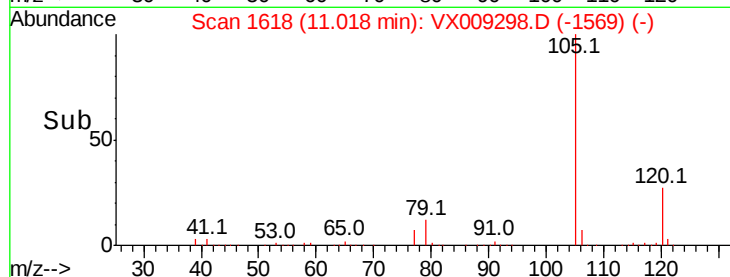
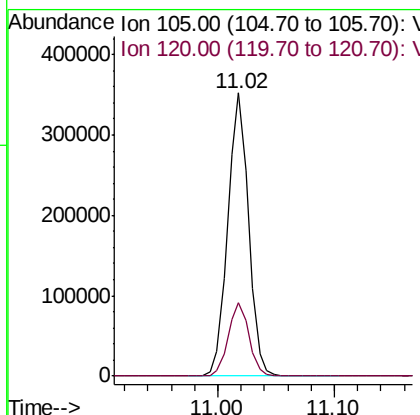
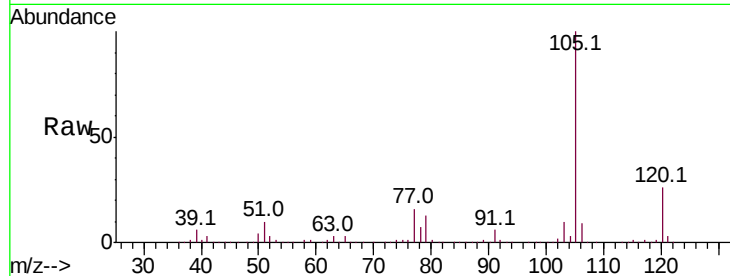
#73
Isopropylbenzene
Concen: 49.283 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 435346
Ion Ratio Lower Upper
105 100
120 26.1 12.8 38.3

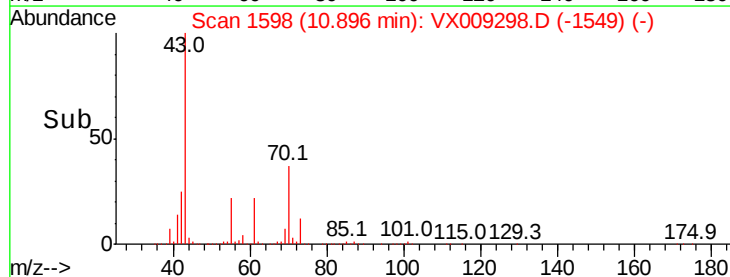
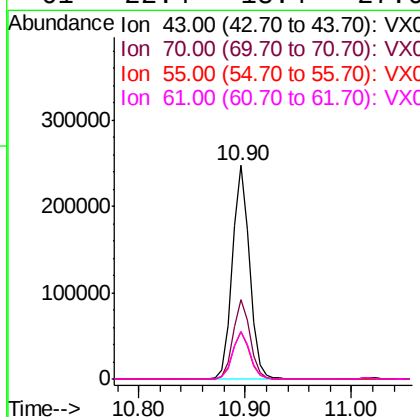
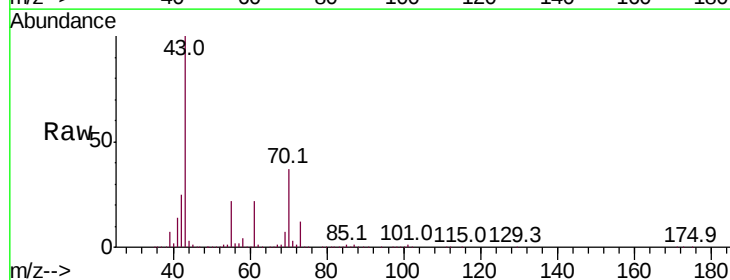
Manual Integrations
APPROVED

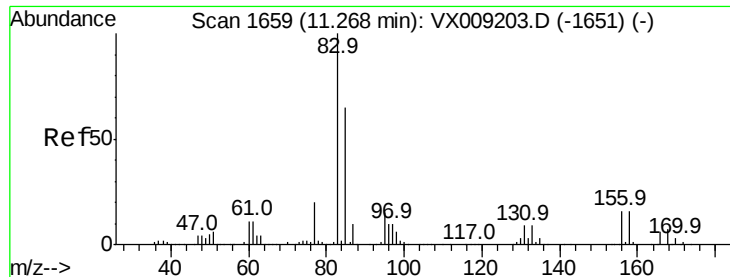
MMDadoda
5/3/2019 11:18:54 AM



#74
N-ethyl acetate
Concen: 54.231 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion: 43 Resp: 279293
Ion Ratio Lower Upper
43 100
70 37.0 30.0 45.0
55 22.3 17.9 26.9
61 22.4 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 51.842 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 83 Resp: 170716

Ion Ratio Lower Upper

83 100

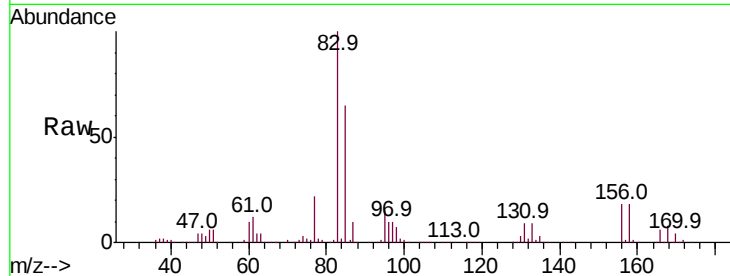
131 9.2 4.6 13.8

85 64.4 32.0 96.2

Manual Integrations
APPROVED

MMDadoda

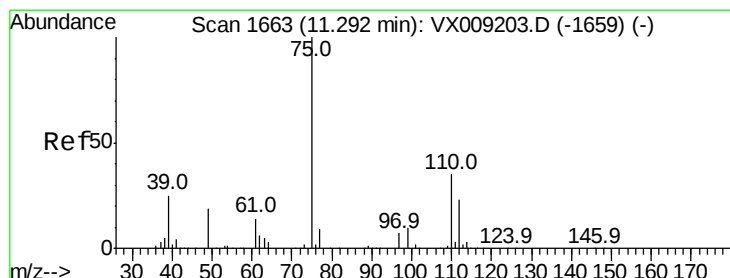
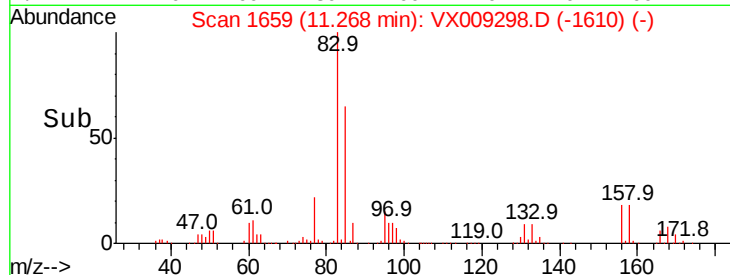
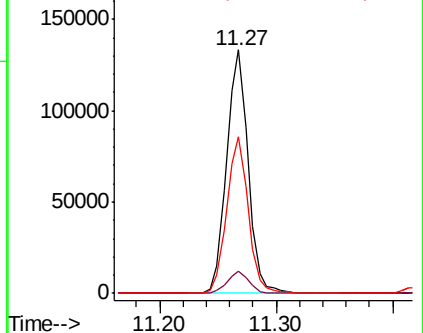
5/3/2019 11:18:54 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 50.908 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009298.D

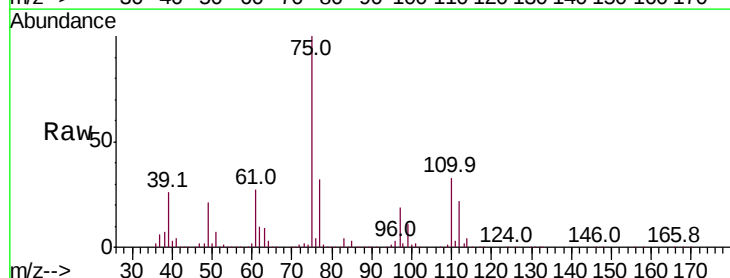
Acq: 03 May 2019 01:03

Tgt Ion: 75 Resp: 143448

Ion Ratio Lower Upper

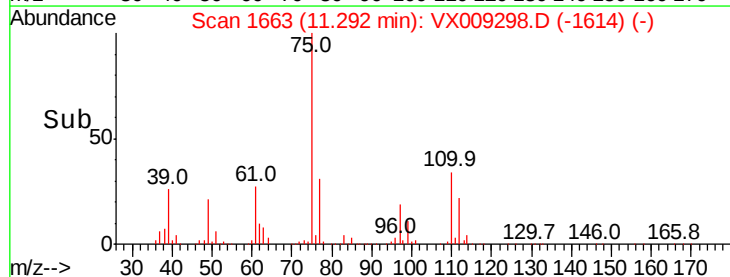
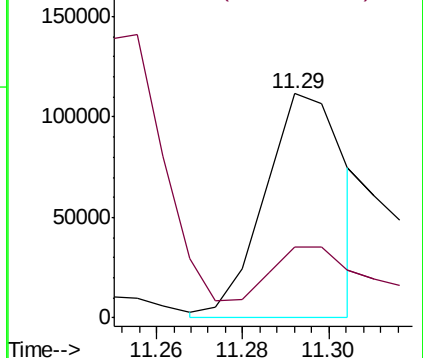
75 100

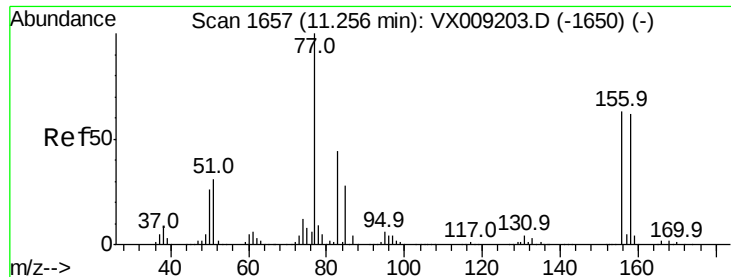
77 44.1 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.997 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

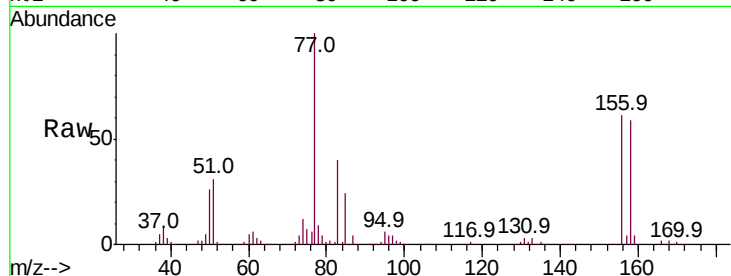
ClientSampleId :

VSTDCCC050EC

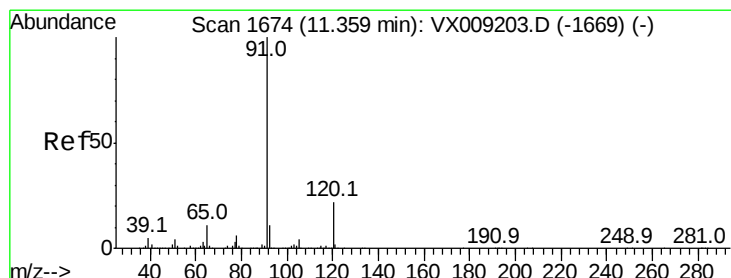
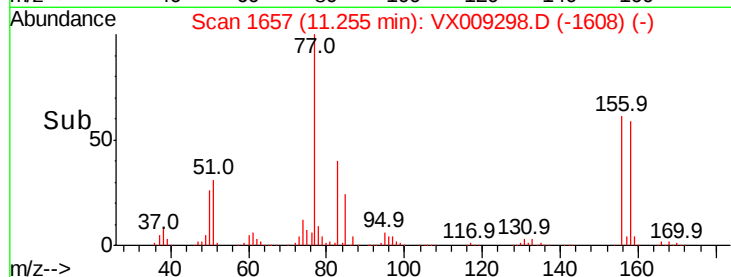
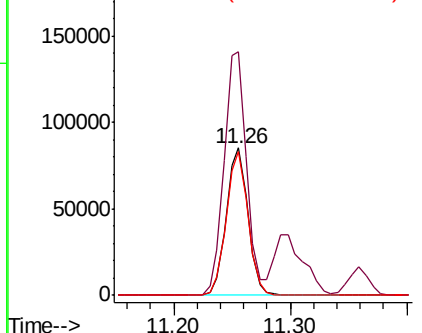
Tot Ion:	156	Resp:	109619
Ion	Ratio	Lower	Upper
156	100		
77	169.4	84.8	254.3
158	97.6	49.1	147.3

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



#78

n-propylbenzene

Concen: 49.006 ug/l

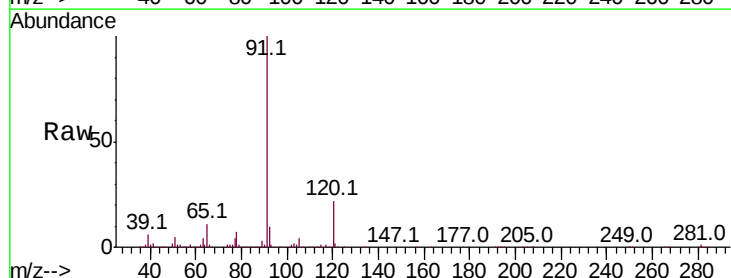
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

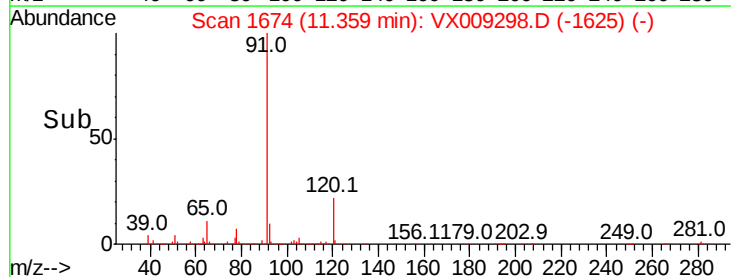
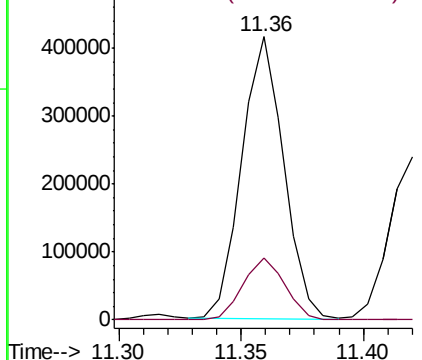
Lab File: VX009298.D

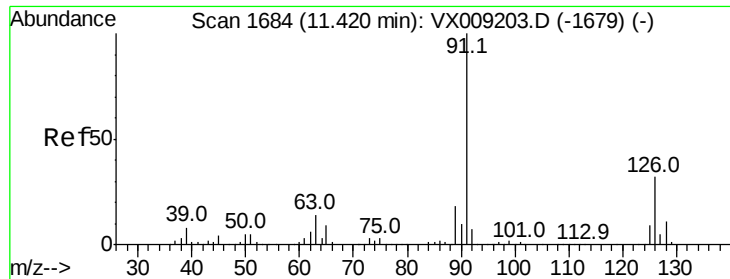
Acq: 03 May 2019 01:03

Tgt Ion:	91	Resp:	494392
Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.0	33.0



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





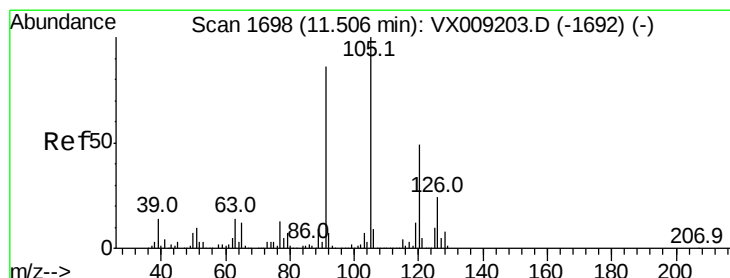
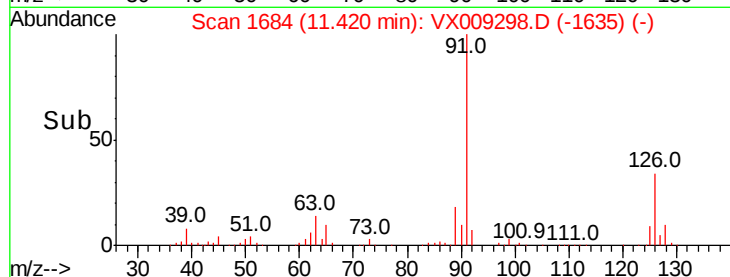
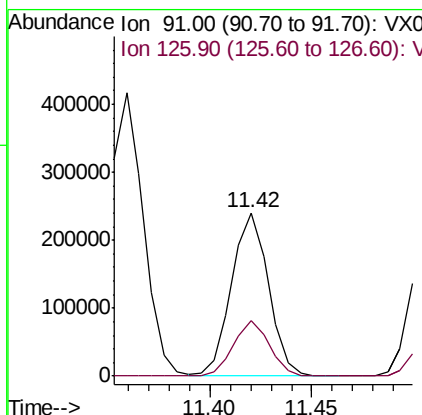
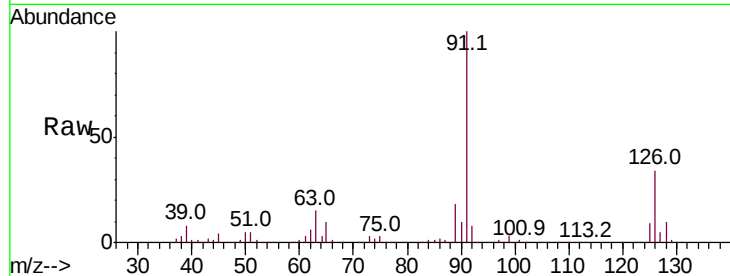
#79
 2-Chlorotoluene
 Concen: 48.362 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 301007
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.3 48.9

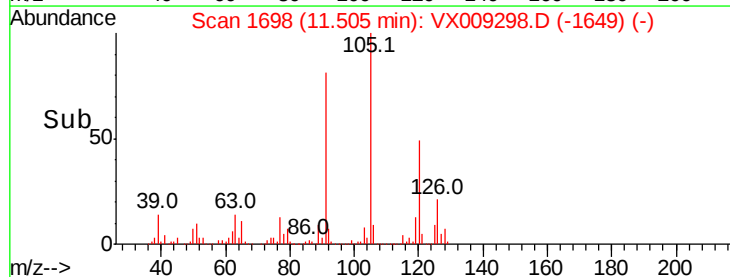
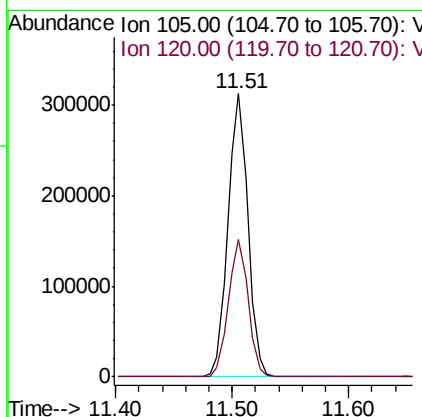
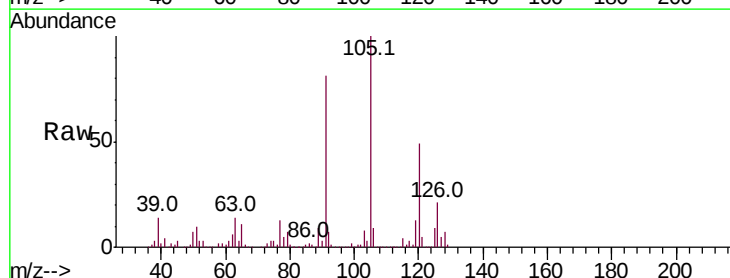
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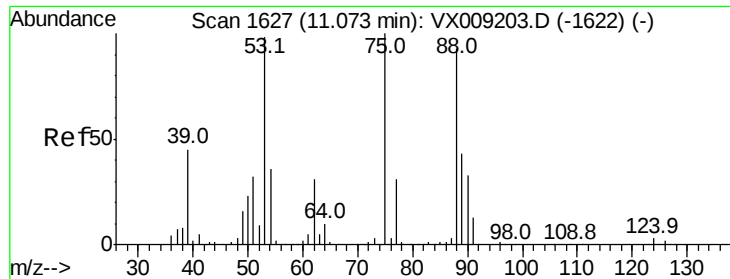
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.814 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Tgt Ion: 105 Resp: 370508
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.3 72.9





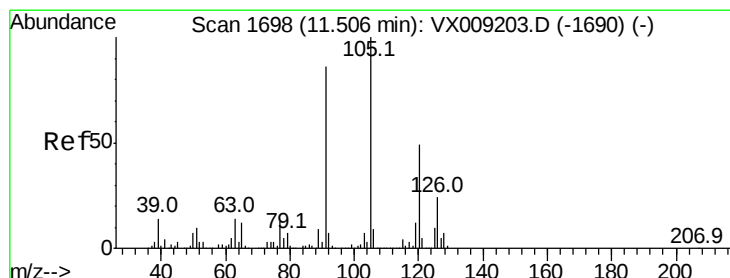
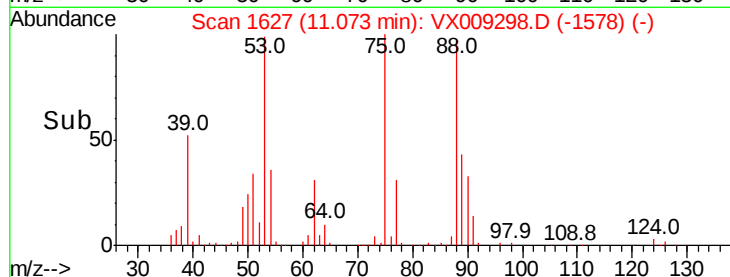
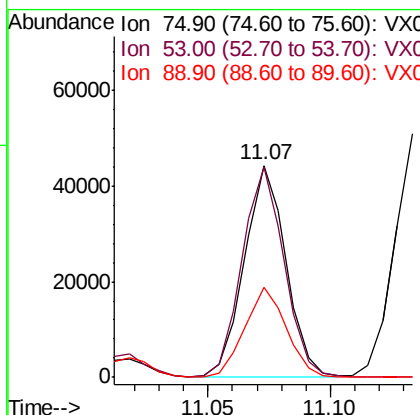
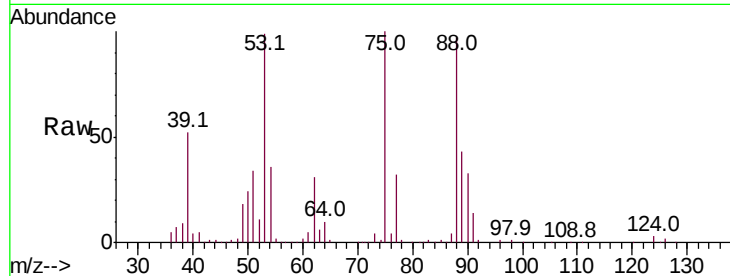
#81
trans-1,4-Dichloro-2-butene
Concen: 47.375 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 52173
Ion Ratio Lower Upper
75 100
53 100.3 79.0 118.6
89 42.9 34.7 52.1

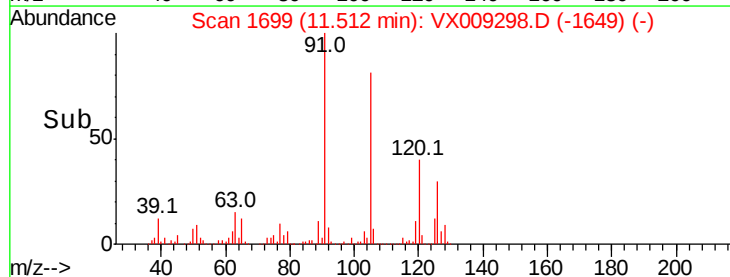
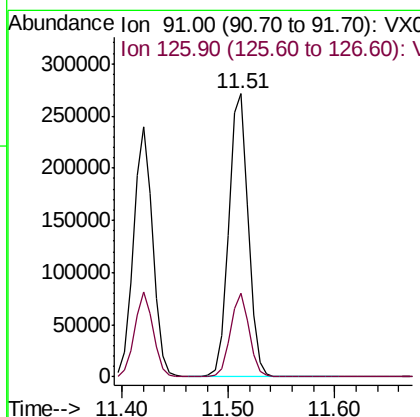
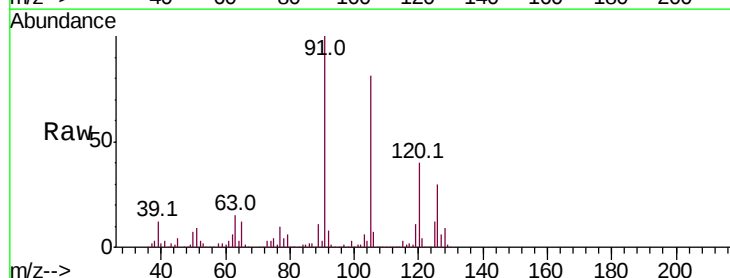
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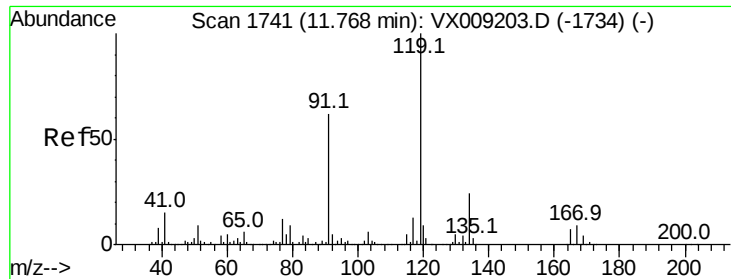
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#82
4-Chlorotoluene
Concen: 49.507 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion: 91 Resp: 348103
Ion Ratio Lower Upper
91 100
126 28.6 14.5 43.6





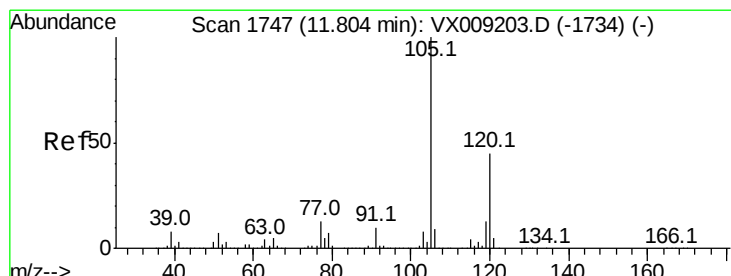
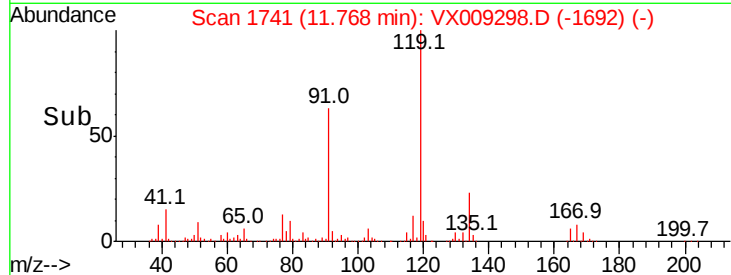
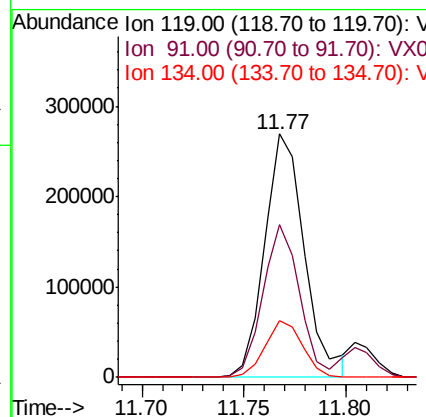
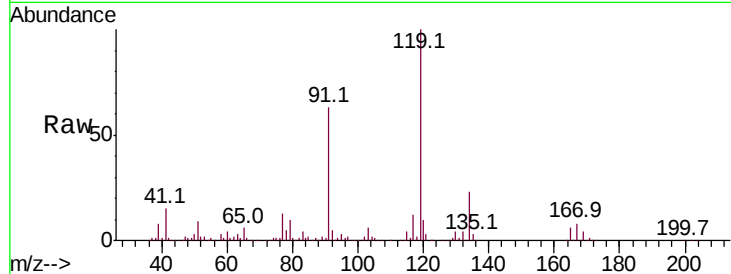
#83
tert-Butylbenzene
Concen: 50.564 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	365855		
91	57.7	29.5	88.5	
134	21.9	11.4	34.1	

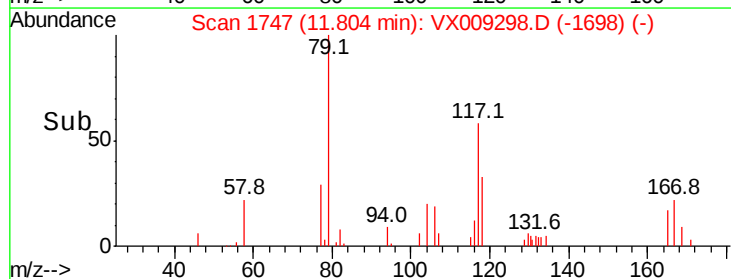
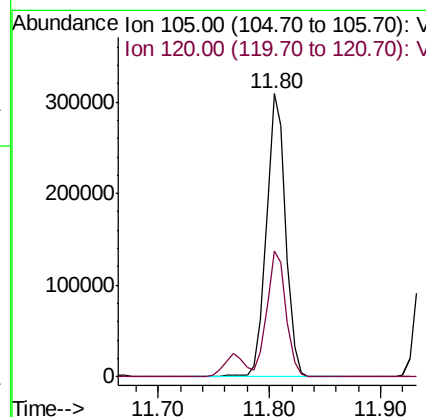
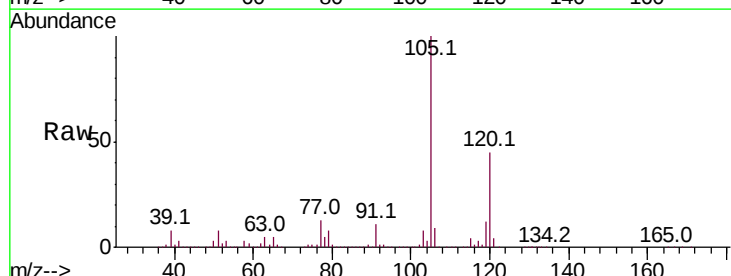
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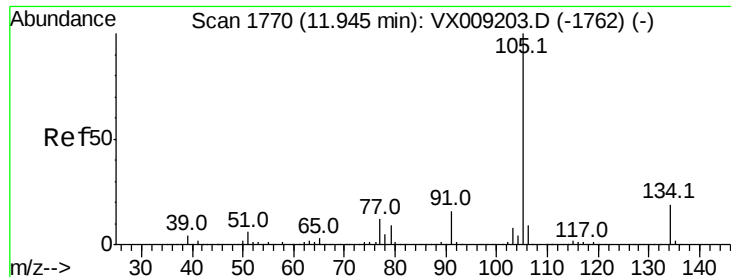
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 50.095 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	373998		
120	44.1	22.0	66.0	





#85

sec-Butylbenzene

Concen: 48.925 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 419686

Ion Ratio Lower Upper

105 100

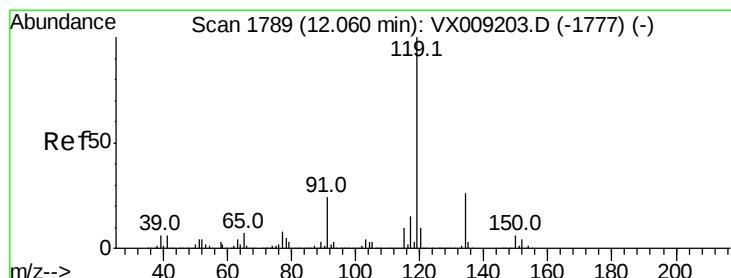
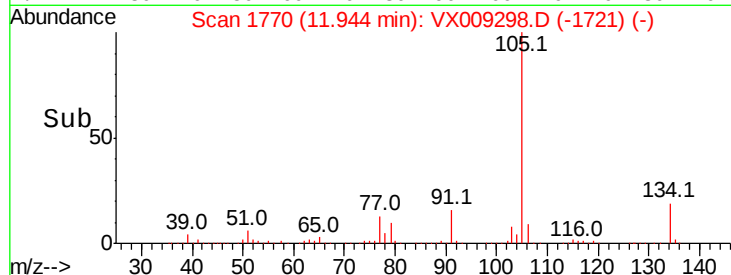
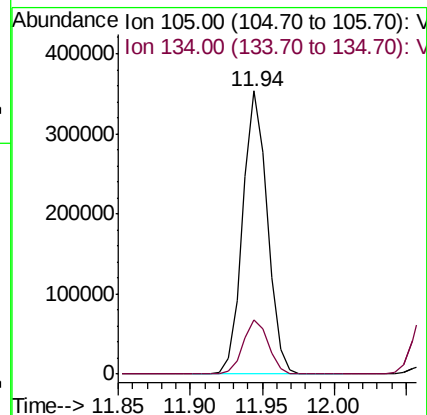
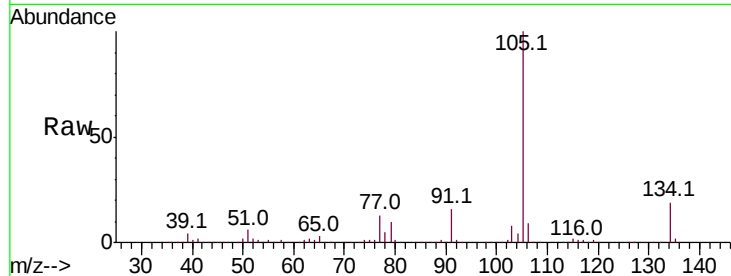
134 19.4 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.585 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

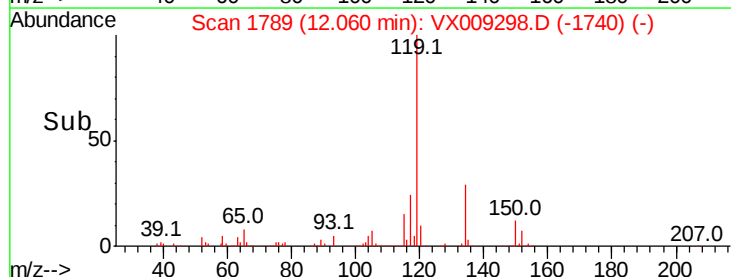
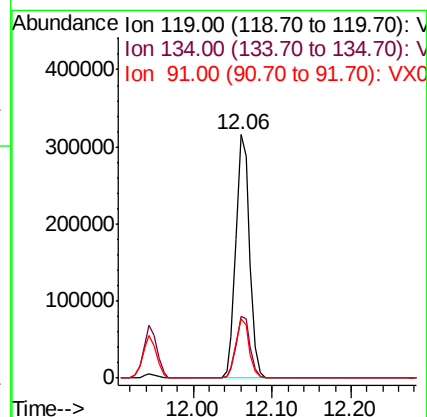
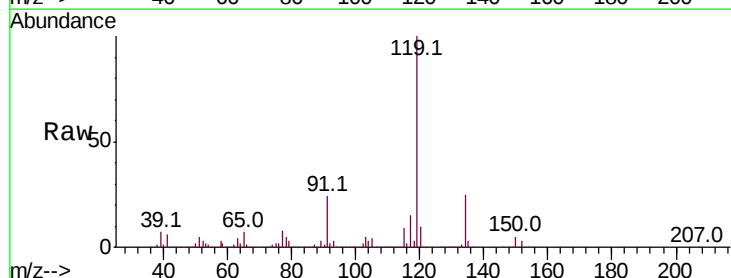
Tgt Ion:119 Resp: 382392

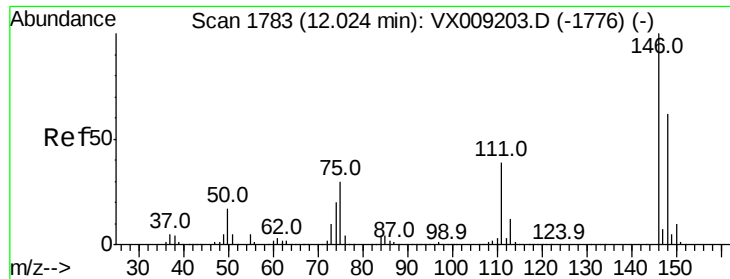
Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 23.7 11.8 35.4





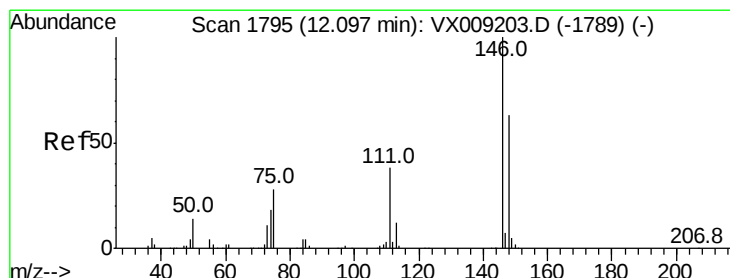
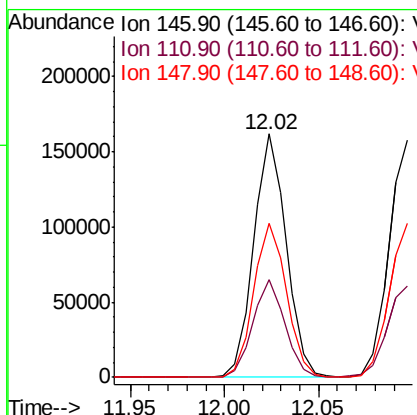
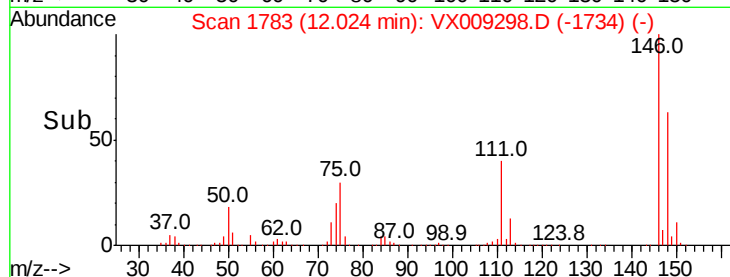
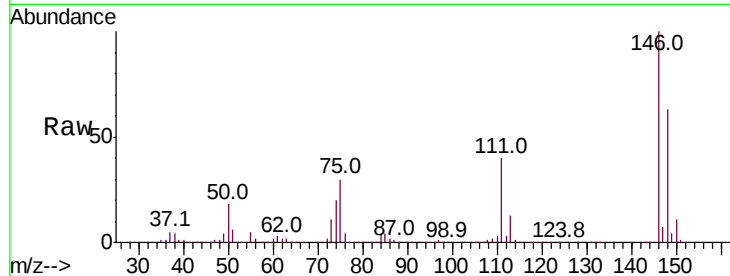
#87
 1,3-Dichlorobenzene
 Concen: 49.383 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	64.1	31.8	95.3

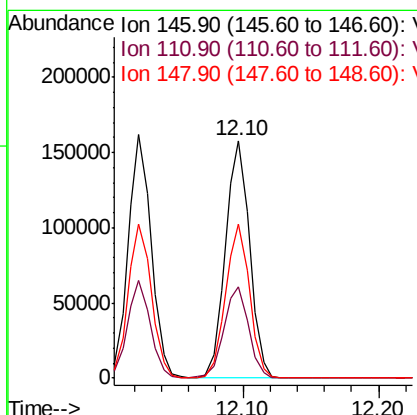
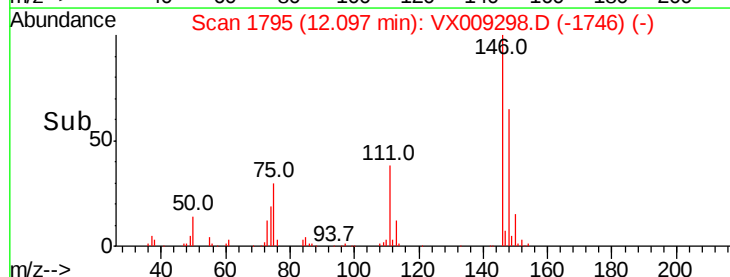
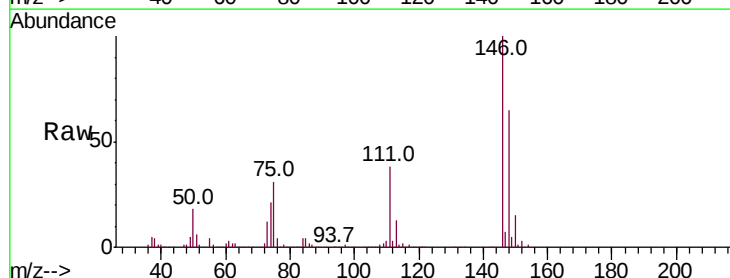
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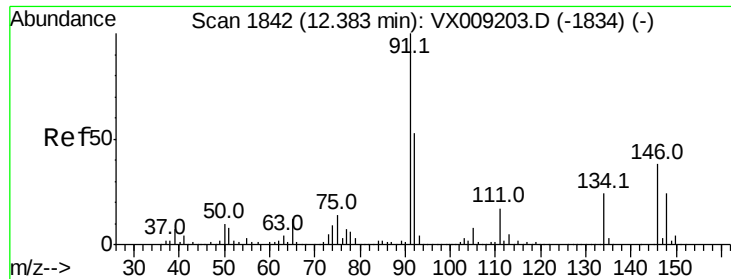
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#88
 1,4-Dichlorobenzene
 Concen: 49.355 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.8
148	64.1	31.8	95.3





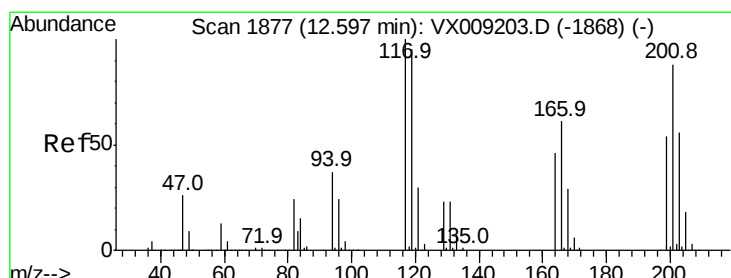
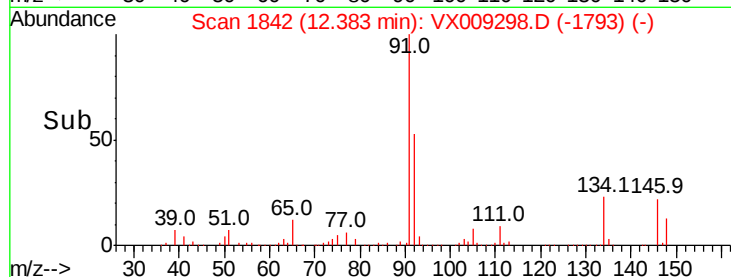
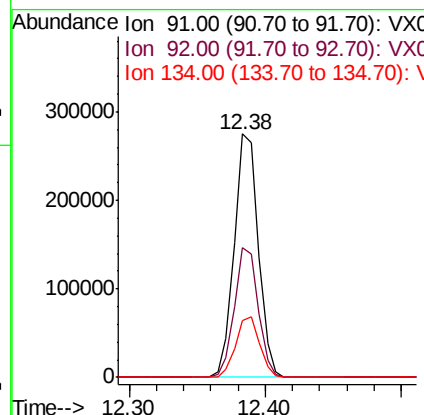
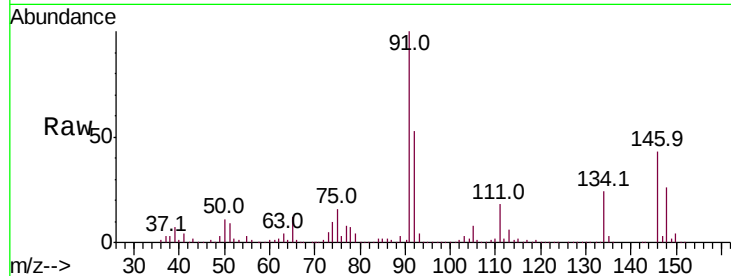
#89
n-Butylbenzene
Concen: 48.607 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.5	79.5
134	24.8	12.4	37.2

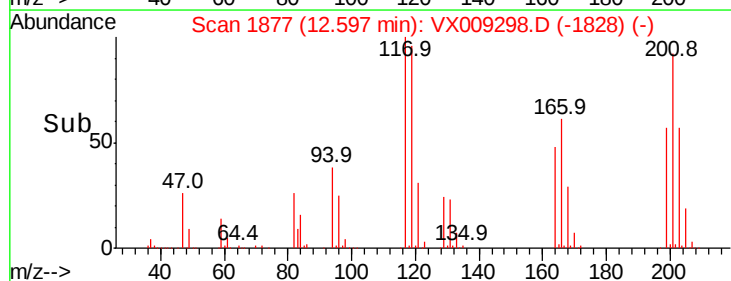
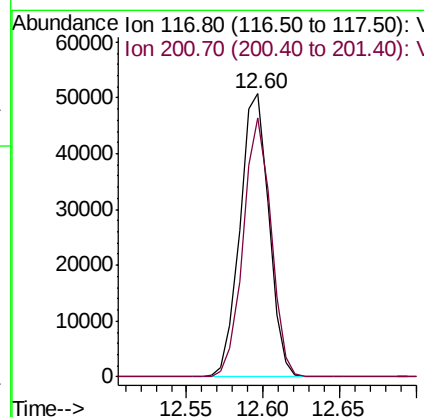
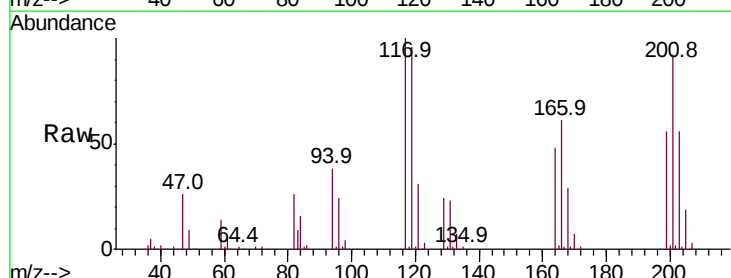
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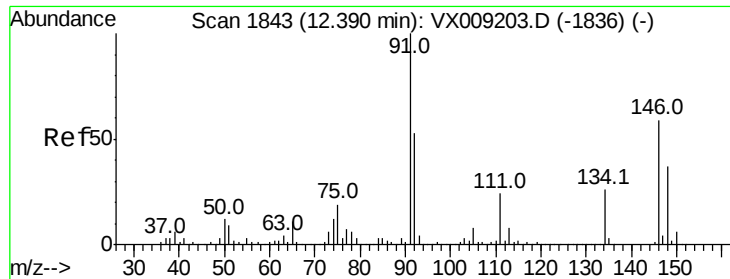
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#90
Hexachloroethane
Concen: 50.580 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009298.D
Acq: 03 May 2019 01:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.0	42.3	126.9





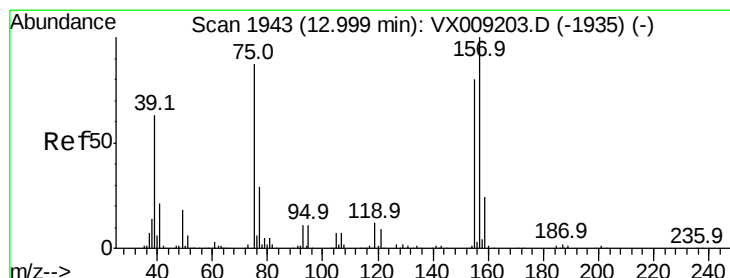
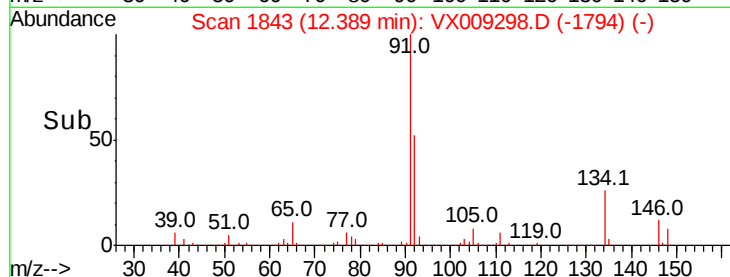
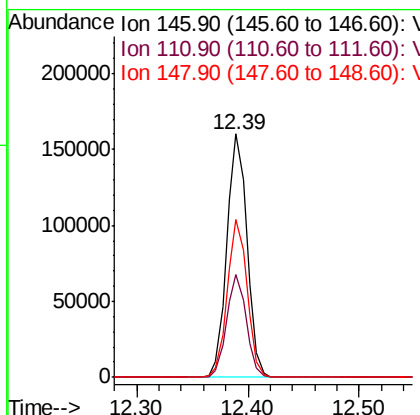
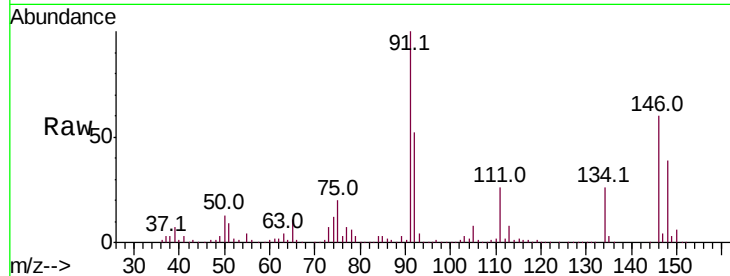
#91
 1,2-Dichlorobenzene
 Concen: 50.303 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.4
148	63.5	31.9	95.9

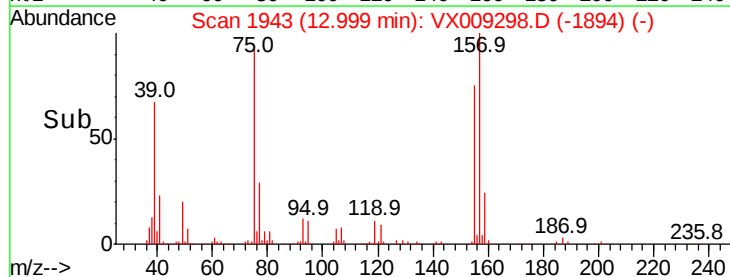
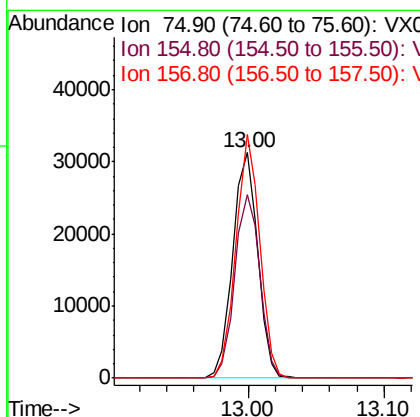
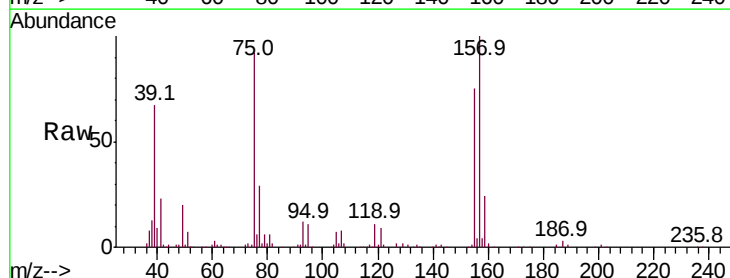
Manual Integrations
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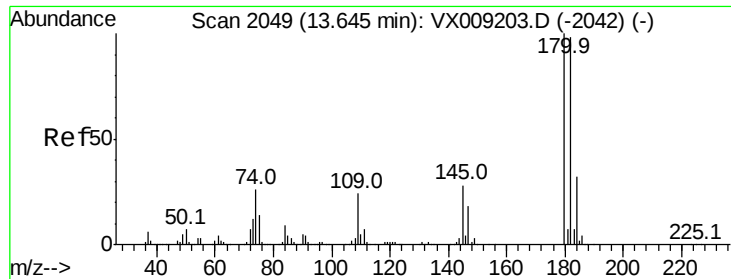
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.071 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.7	42.0	126.0
157	102.8	53.2	159.6





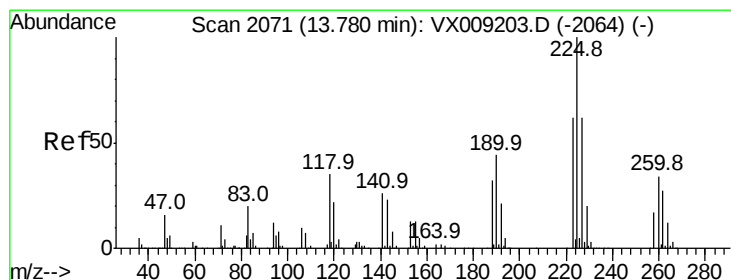
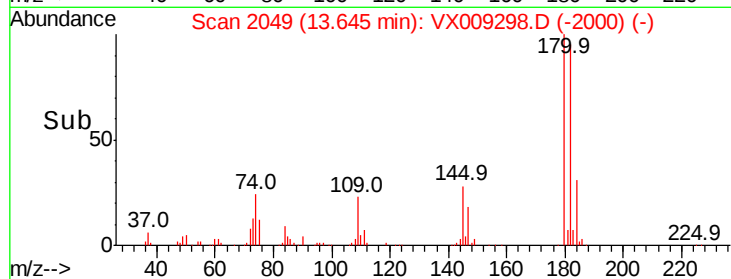
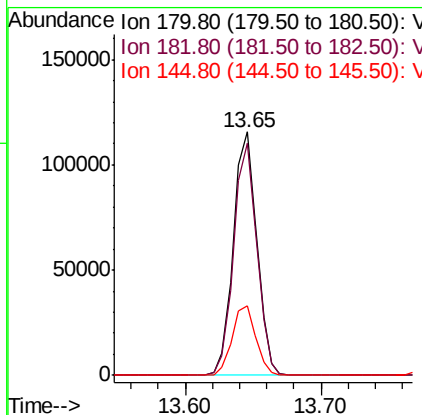
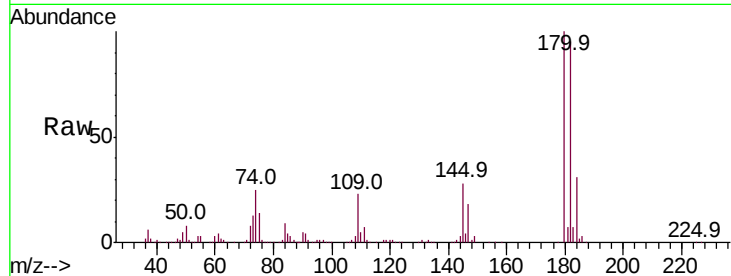
#93
 1,2,4-Trichlorobenzene
 Concen: 51.173 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	139313		
182	94.0	48.4	145.2	
145	28.9	14.6	43.8	

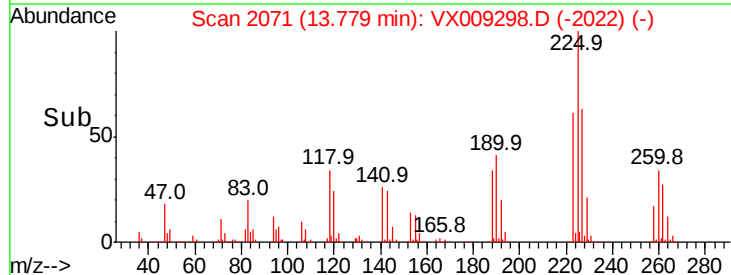
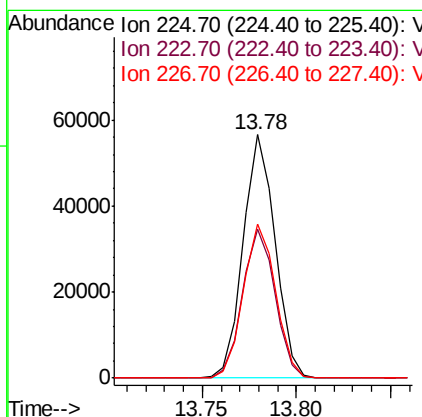
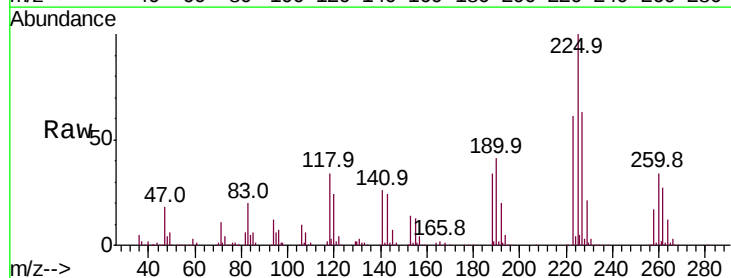
Manual Integrations
 APPROVED

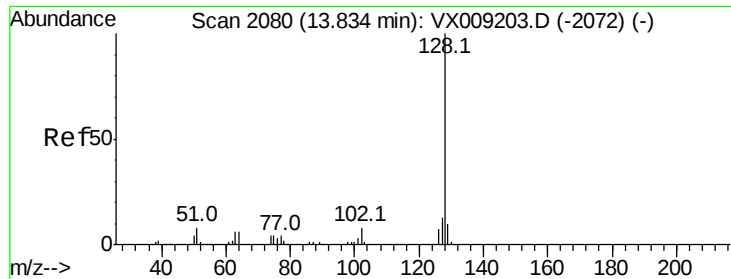
MMDadoda
 5/3/2019 11:18:54 AM



#94
 Hexachlorobutadiene
 Concen: 47.898 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009298.D
 Acq: 03 May 2019 01:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66588		
223	62.4	31.3	93.8	
227	64.3	31.8	95.3	





#95

Naphthalene

Concen: 53.360 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Instrument :

MSVOA_X

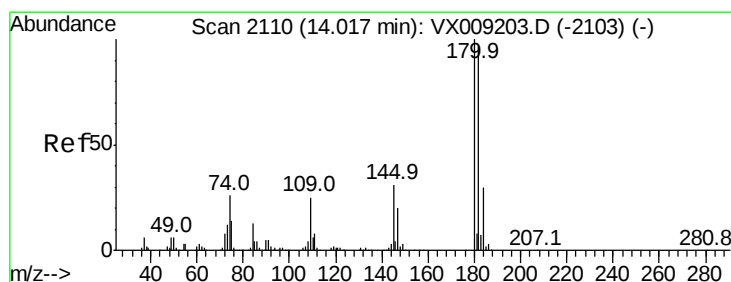
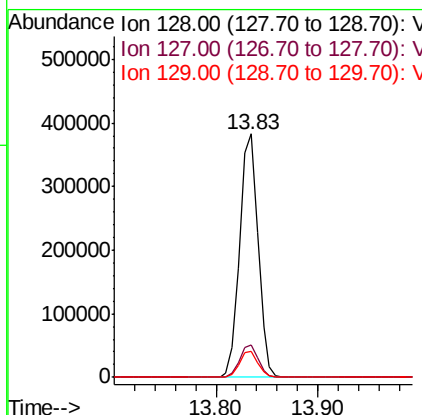
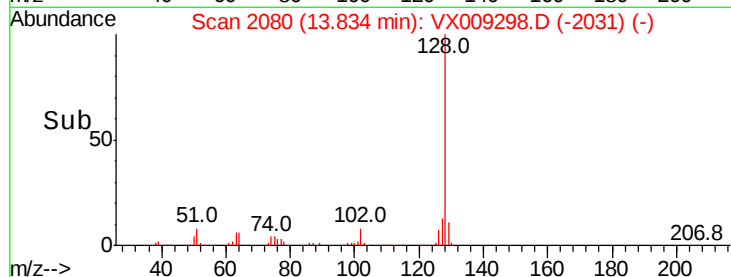
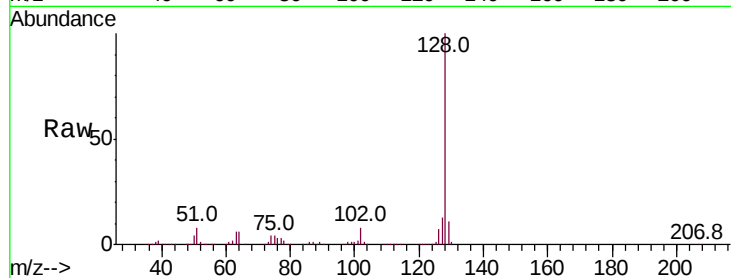
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	472608
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 51.334 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009298.D

Acq: 03 May 2019 01:03

Tgt Ion:	180	Resp:	141661
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.8	143.4
145	31.2	15.4	46.4

