

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050919\
 Data File : VX009447.D
 Acq On : 09 May 2019 23:34
 Operator : JC/SP
 Sample : VX0509WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 VX0509WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 1:12:49 PM

Quant Time: May 10 08:26:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	158197	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	257094	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	228282	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112228	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	110531	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
35) Dibromofluoromethane	5.49	113	81985	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
50) Toluene-d8	8.71	98	330835	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
62) 4-Bromofluorobenzene	11.13	95	119121	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	28120	19.289	ug/l	99
3) Chloromethane	1.32	50	42708	21.458	ug/l	98
4) Vinyl Chloride	1.41	62	41591	21.430	ug/l	96
5) Bromomethane	1.64	94	24641	21.153	ug/l	100
6) Chloroethane	1.72	64	27210	21.837	ug/l	96
7) Trichlorofluoromethane	1.93	101	51745	21.934	ug/l	97
8) Diethyl Ether	2.18	74	23530	21.056	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	30692	20.717	ug/l	100
10) Methyl Iodide	2.51	142	29003	19.895	ug/l	100
11) Tert butyl alcohol	3.04	59	53124	106.272	ug/l	98
12) 1,1-Dichloroethene	2.37	96	32277	21.745	ug/l	98
13) Acrolein	2.29	56	50953	112.550	ug/l	99
14) Allyl chloride	2.73	41	74254	20.527	ug/l	99
15) Acrylonitrile	3.14	53	127037	103.936	ug/l	99
16) Acetone	2.44	43	111278	95.962	ug/l	99
17) Carbon Disulfide	2.57	76	91831	22.036	ug/l	100
18) Methyl Acetate	2.77	43	54807	19.874	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	123182	21.371	ug/l	98
20) Methylene Chloride	2.85	84	38900	20.718	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	35267	21.908	ug/l	94
22) Diisopropyl ether	3.85	45	148382	21.330	ug/l	96
23) Vinyl Acetate	3.81	43	647616	108.715	ug/l	100
24) 1,1-Dichloroethane	3.70	63	71954	20.967	ug/l	100
25) 2-Butanone	4.67	43	187028	103.789	ug/l	100
26) 2,2-Dichloropropane	4.59	77	44030	17.237	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	41322	21.506	ug/l	96
28) Bromochloromethane	5.01	49	28496	18.924	ug/l	99
29) Tetrahydrofuran	5.13	42	125303	108.059	ug/l	99
30) Chloroform	5.21	83	66724	21.497	ug/l	99
31) Cyclohexane	5.58	56	68288	21.388	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	55044	21.304	ug/l	99
36) 1,1-Dichloropropene	5.79	75	50221	21.020	ug/l	98
37) Ethyl Acetate	4.83	43	70619	21.214	ug/l	99
38) Carbon Tetrachloride	5.78	117	45508	20.964	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	60356	20.570	ug/l	98
40) Benzene	6.14	78	157997	21.368	ug/l	100
41) Methacrylonitrile	5.04	41	39079	19.721	ug/l	95
42) 1,2-Dichloroethane	6.19	62	57055	21.511	ug/l	100
43) Isopropyl Acetate	6.44	43	109556	20.575	ug/l	99
44) Trichloroethene	7.21	130	37336	20.887	ug/l	94
45) 1,2-Dichloropropane	7.51	63	44791	21.393	ug/l	99
46) Dibromomethane	7.66	93	25324	20.828	ug/l	98
47) Bromodichloromethane	7.90	83	50516	20.829	ug/l	99
48) Methyl methacrylate	7.77	41	56007	21.201	ug/l	99
49) 1,4-Dioxane	7.74	88	22521	420.374	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	369674	106.218	ug/l	100
52) Toluene	8.78	92	96172	21.397	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	56454	20.617	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	61267	20.215	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	38662	21.084	ug/l	98
56) Ethyl methacrylate	9.18	69	68186	20.831	ug/l	98
57) 1,3-Dichloropropane	9.37	76	67324	20.863	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	178815	102.976	ug/l	100
59) 2-Hexanone	9.49	43	283343	103.659	ug/l	99
60) Dibromochloromethane	9.58	129	37313	20.834	ug/l	99
61) 1,2-Dibromoethane	9.67	107	39216	21.186	ug/l	99
64) Tetrachloroethene	9.34	164	35375	22.591	ug/l	96
65) Chlorobenzene	10.13	112	99180	21.718	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	34895	21.077	ug/l	98
67) Ethyl Benzene	10.25	91	180867	21.520	ug/l	98
68) m/p-Xylenes	10.36	106	134151	43.680	ug/l	98
69) o-Xylene	10.69	106	65370	21.573	ug/l	100
70) Styrene	10.71	104	114074	21.659	ug/l	100
71) Bromoform	10.85	173	27304	20.294	ug/l #	99
73) Isopropylbenzene	11.02	105	173370	21.244	ug/l	99
74) N-amyl acetate	10.90	43	96720	20.328	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	62808	20.645	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	54651m	20.993	ug/l	
77) Bromobenzene	11.26	156	42752	21.106	ug/l	99
78) n-propylbenzene	11.36	91	196545	21.088	ug/l	98
79) 2-Chlorotoluene	11.42	91	120526	20.960	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	146515	21.322	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	18615	18.296	ug/l	93
82) 4-Chlorotoluene	11.51	91	136082	20.948	ug/l	100
83) tert-Butylbenzene	11.77	119	139554	20.877	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	147819	21.431	ug/l	99
85) sec-Butylbenzene	11.94	105	165026	20.823	ug/l	99
86) p-Isopropyltoluene	12.06	119	150649	21.144	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	75096	20.796	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	74843	20.558	ug/l	98
89) n-Butylbenzene	12.38	91	130999	20.343	ug/l	99
90) Hexachloroethane	12.59	117	23865	19.661	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	77594	21.097	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14551	21.321	ug/l	98

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MSVOA_X
ClientSampleId :
VX0509WBSD02

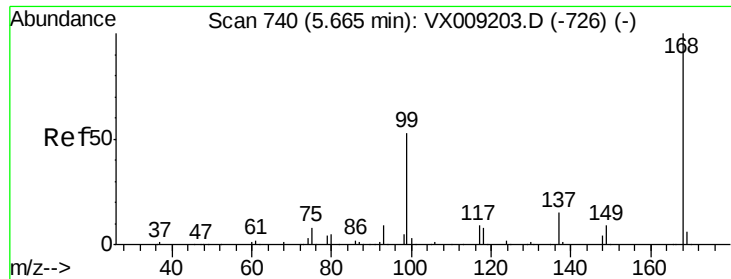
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	52602	20.914	ug/l	99
94) Hexachlorobutadiene	13.78	225	26034	20.270	ug/l	99
95) Naphthalene	13.83	128	179739	21.965	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	55367	21.717	ug/l	100

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



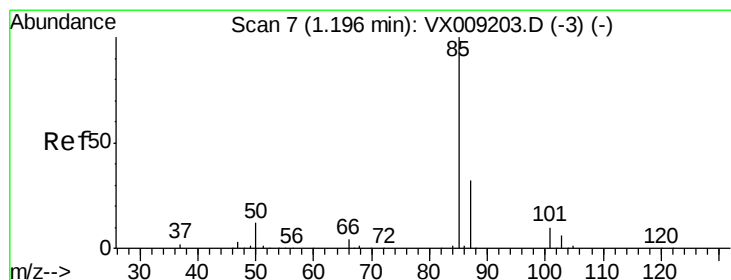
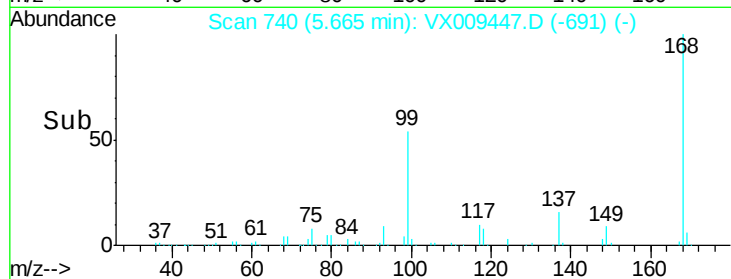
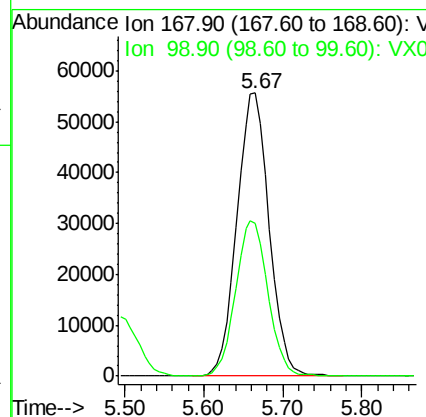
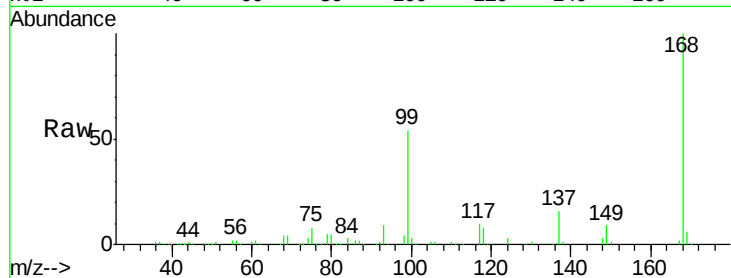
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
168	100	158197		
99	53.9	42.3	63.5	

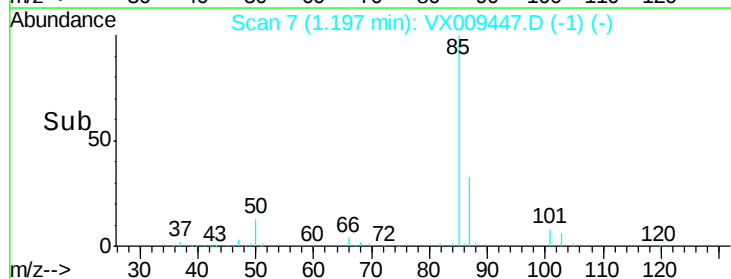
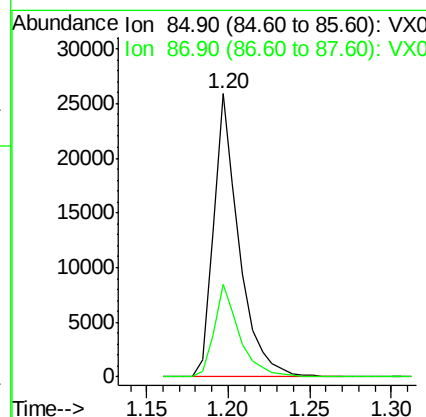
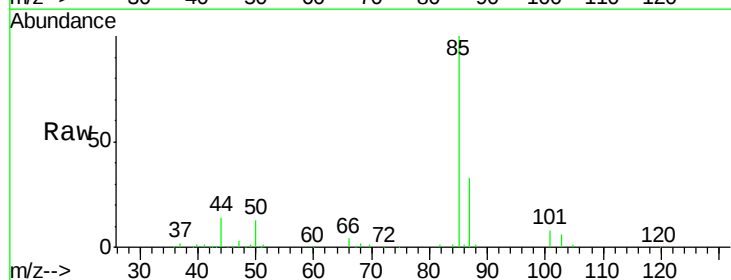
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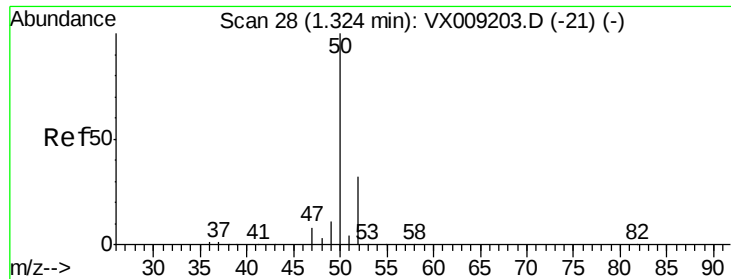
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#2
Dichlorodifluoromethane
Concen: 19.289 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	28120		
87	32.6	16.1	48.3	





#3

Chloromethane

Concen: 21.458 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion: 50 Resp: 42708

Ion Ratio Lower Upper

50 100

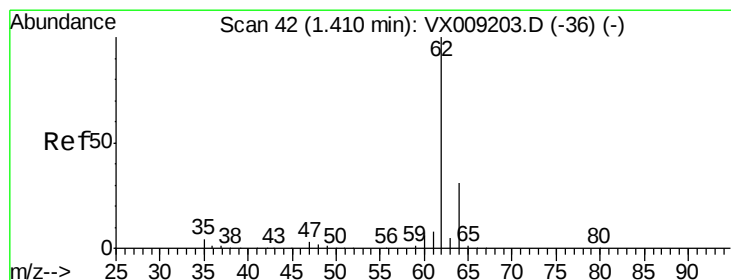
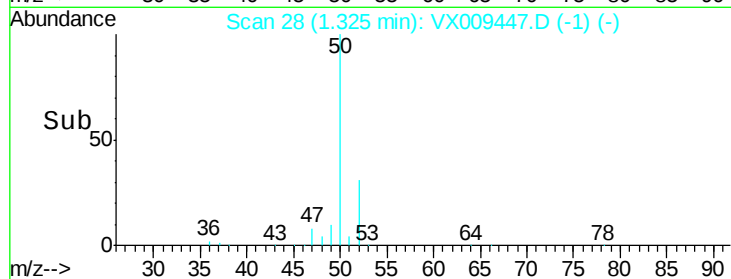
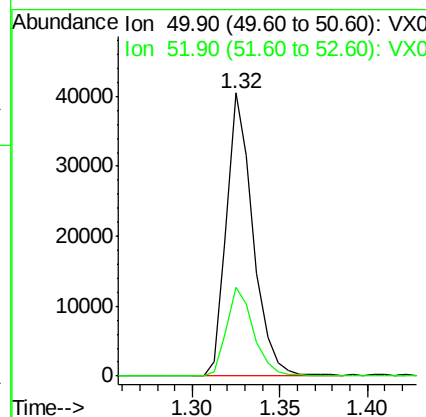
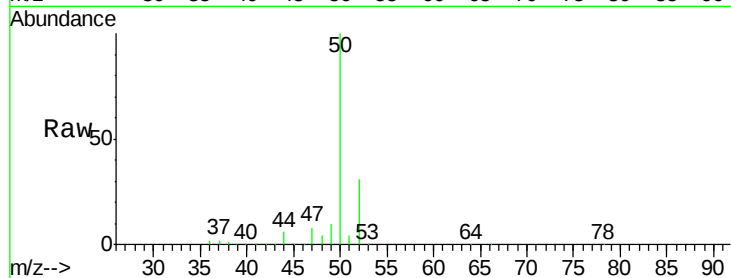
52 31.3 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.430 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009447.D

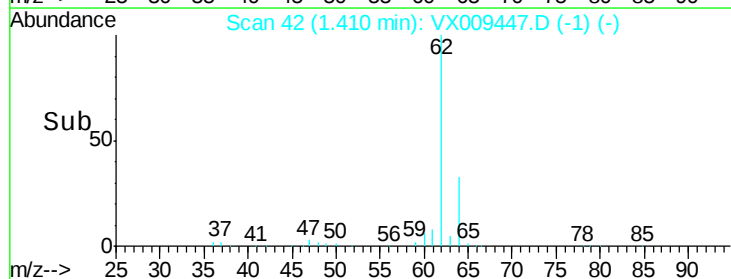
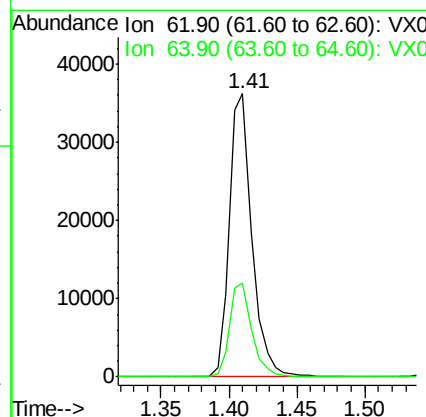
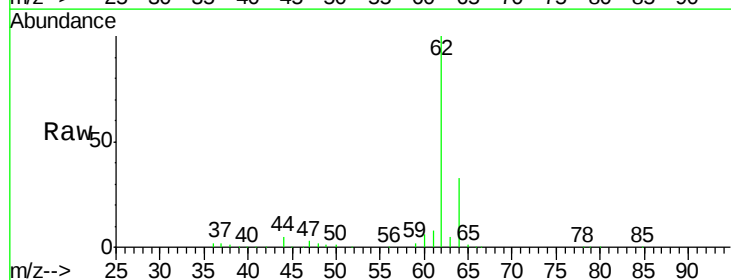
Acq: 09 May 2019 23:34

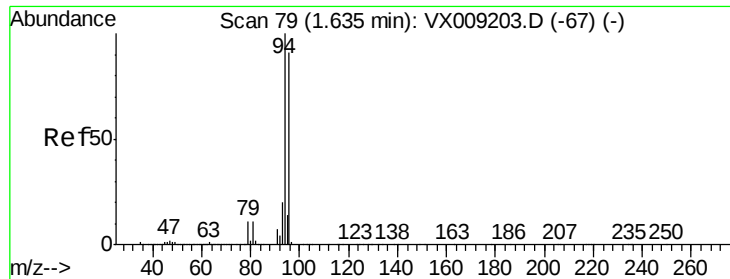
Tgt Ion: 62 Resp: 41591

Ion Ratio Lower Upper

62 100

64 33.1 24.6 36.8





#5

Bromomethane

Concen: 21.153 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion: 94 Resp: 24641

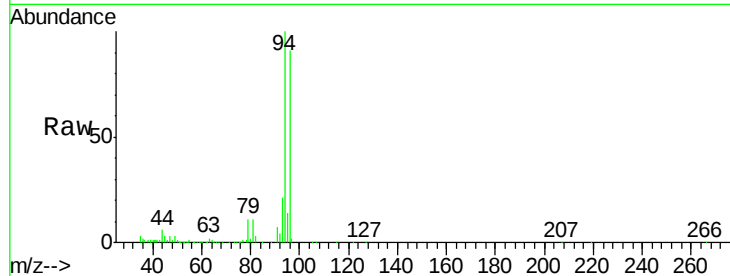
Ion Ratio Lower Upper

94 100

96 91.4 73.0 109.6

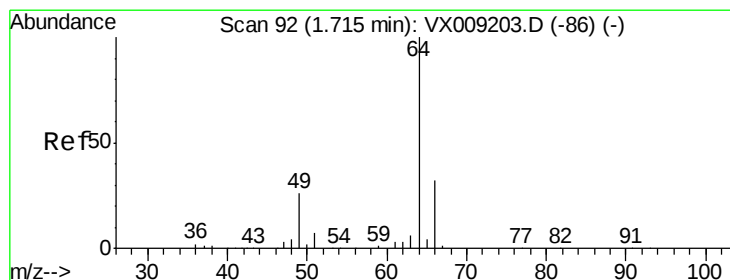
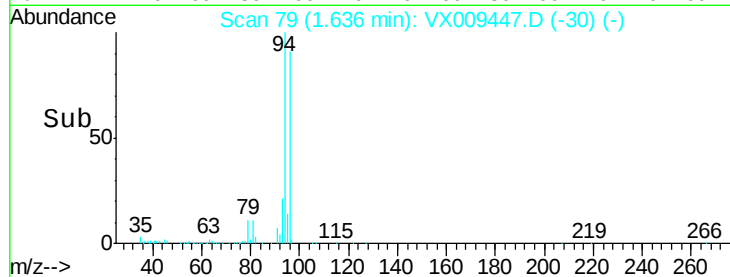
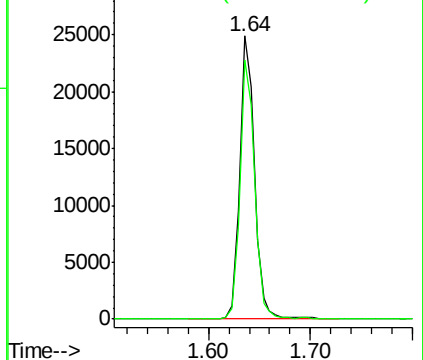
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.837 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009447.D

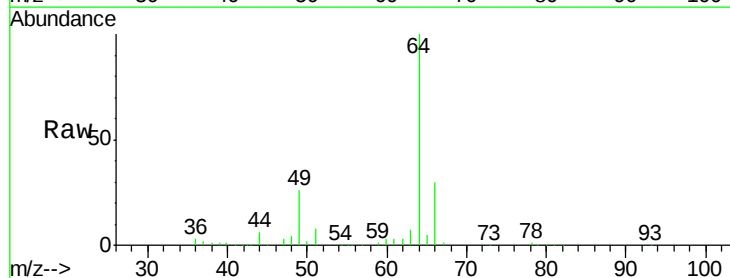
Acq: 09 May 2019 23:34

Tgt Ion: 64 Resp: 27210

Ion Ratio Lower Upper

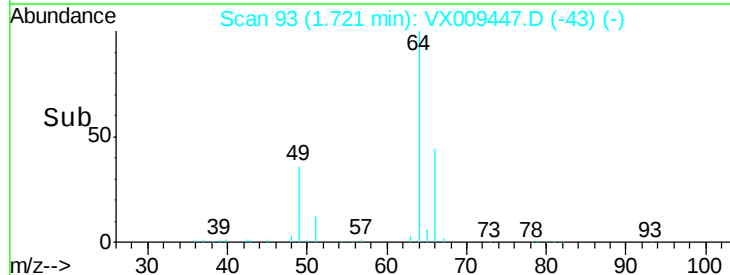
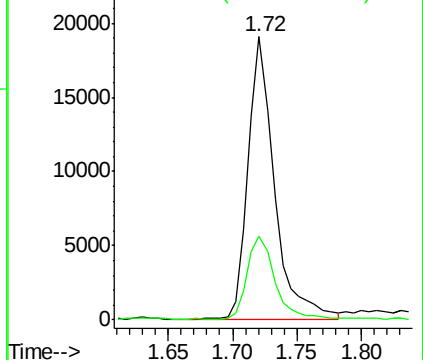
64 100

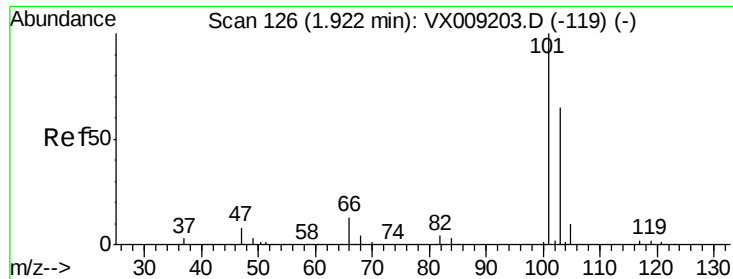
66 29.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

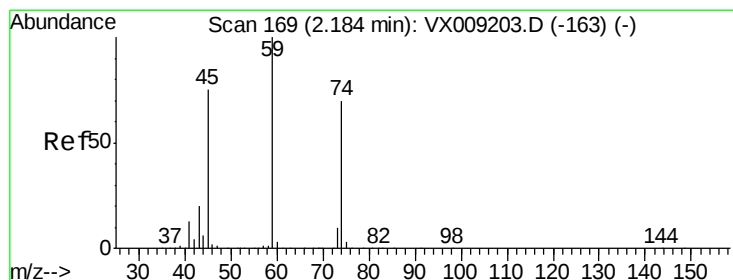
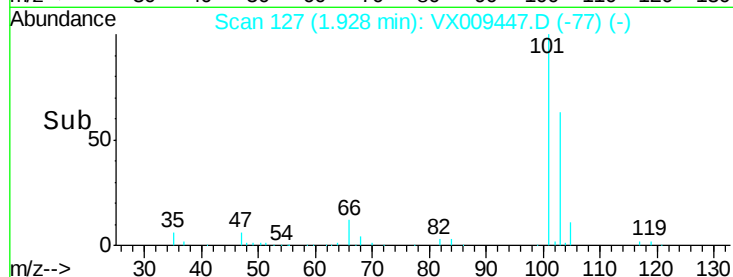
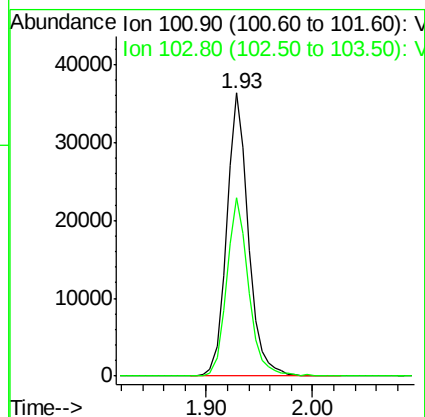
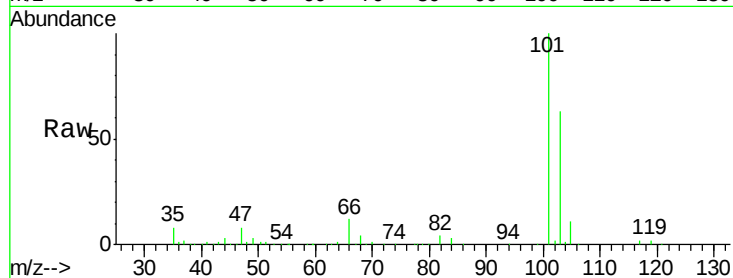
Trichlorofluoromethane
Concen: 21.934 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

Tot Ion:101 Resp: 51745
Ion Ratio Lower Upper
101 100
103 63.0 52.4 78.6

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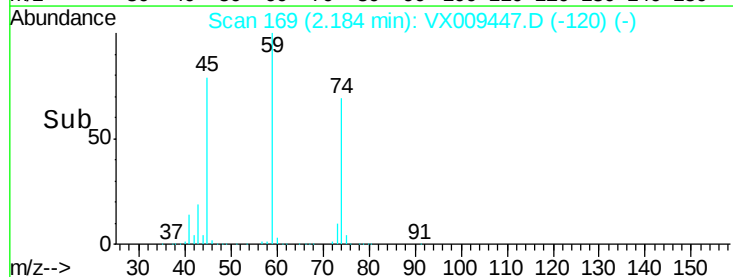
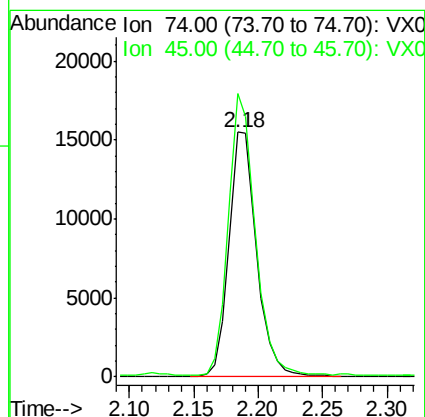
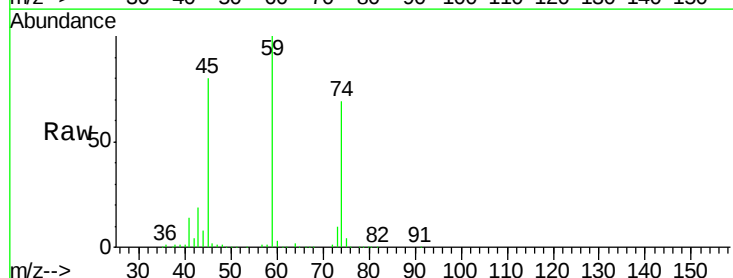
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5/10/2019 1:12:49 PM



#8

Diethyl Ether
Concen: 21.056 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tgt Ion: 74 Resp: 23530
Ion Ratio Lower Upper
74 100
45 111.0 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.717 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

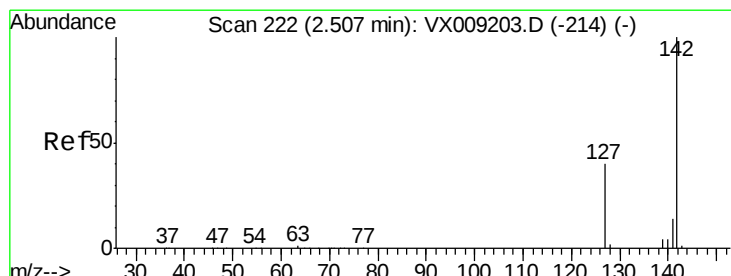
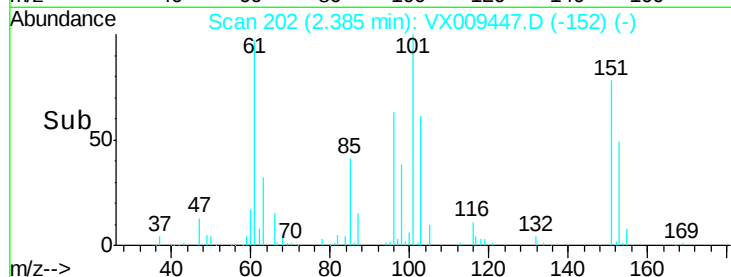
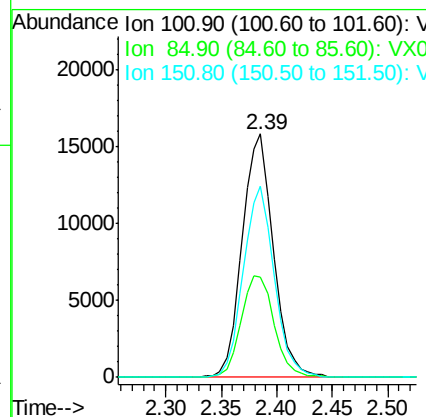
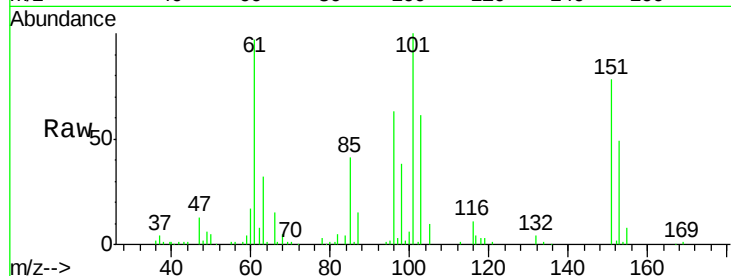
ClientSampleId :

VX0509WBSD02

Tot Ion:	101	Resp:	30692
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.7	53.5
151	77.9	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 19.895 ug/l

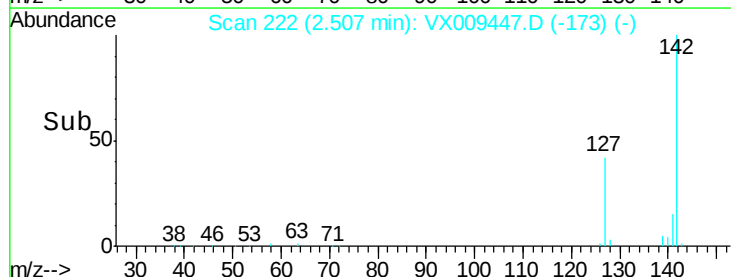
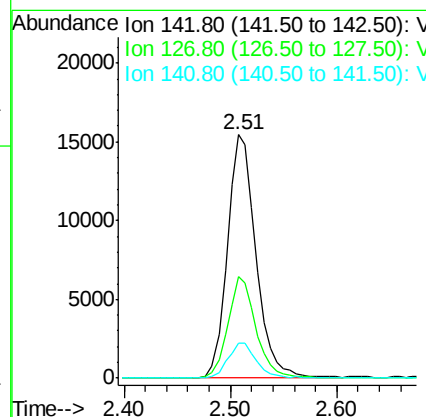
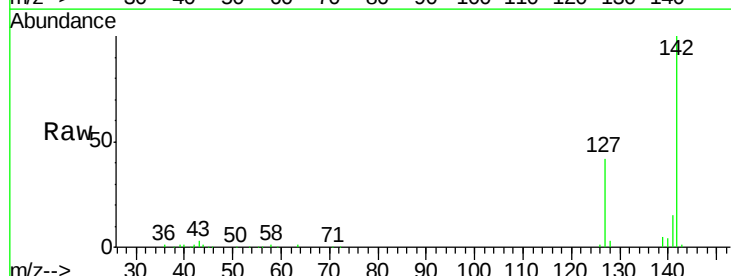
RT: 2.51 min Scan# 222

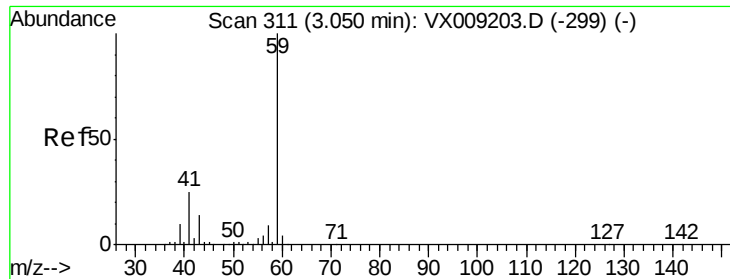
Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Tgt Ion:	142	Resp:	29003
Ion Ratio	Lower	Upper	
142	100		
127	40.5	32.7	49.1
141	14.4	11.5	17.3





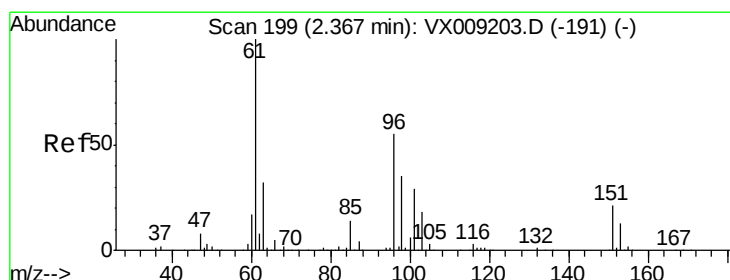
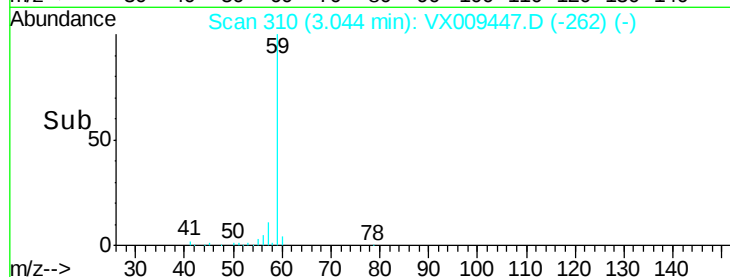
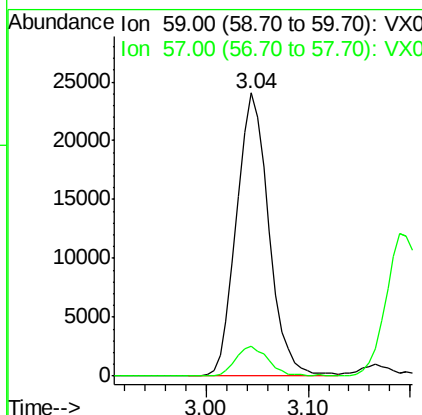
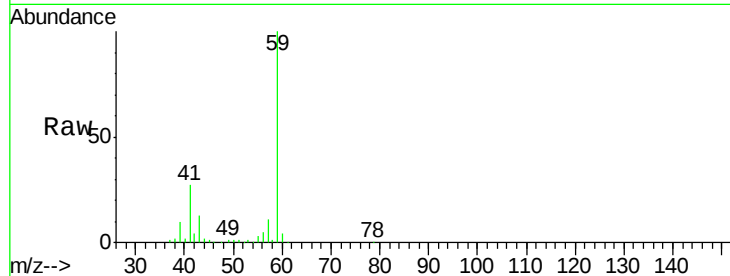
#11
Tert butyl alcohol
Concen: 106.272 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Instrument :
MSVOA_X
ClientSampleID :
VX0509WBSD02

Tot Ion: 59 Resp: 53124
Ion Ratio Lower Upper
59 100
57 11.0 8.2 12.2

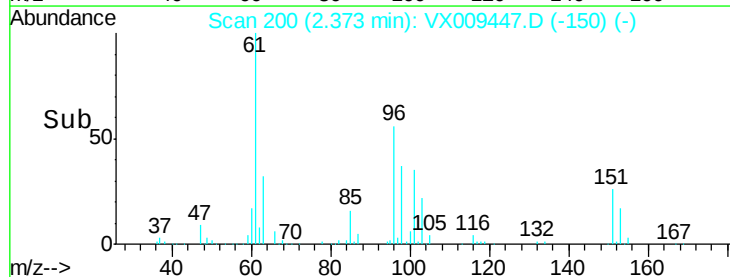
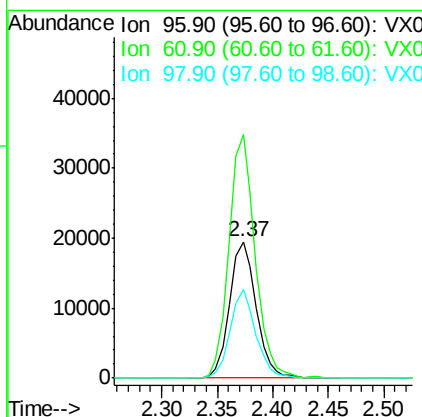
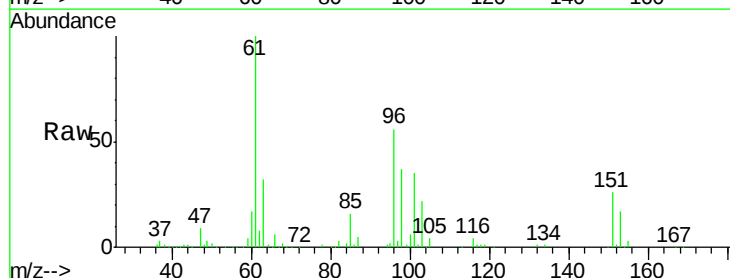
Manual Integrations
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#12
1,1-Dichloroethene
Concen: 21.745 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tgt Ion: 96 Resp: 32277
Ion Ratio Lower Upper
96 100
61 178.0 144.3 216.5
98 65.3 50.3 75.5





#13

Acrolein

Concen: 112.550 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion: 56 Resp: 50953

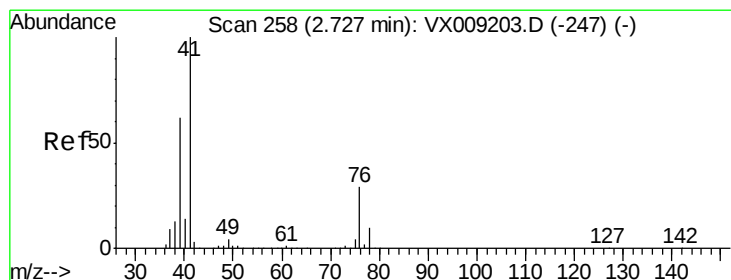
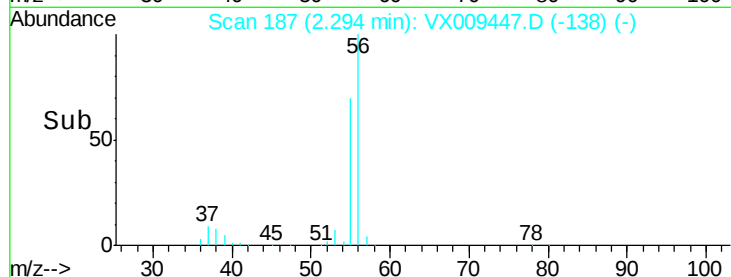
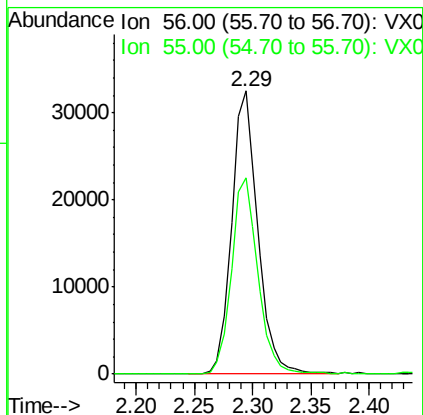
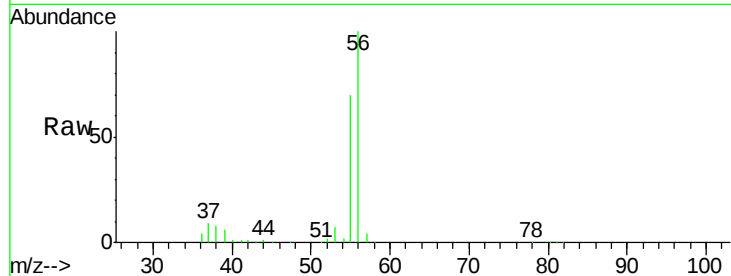
Ion Ratio Lower Upper

56 100

55 70.2 56.6 85.0

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#14

Allyl chloride

Concen: 20.527 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

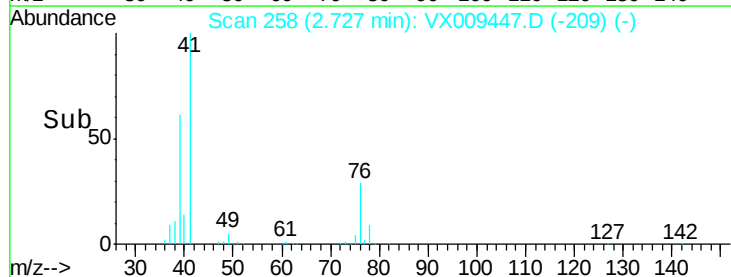
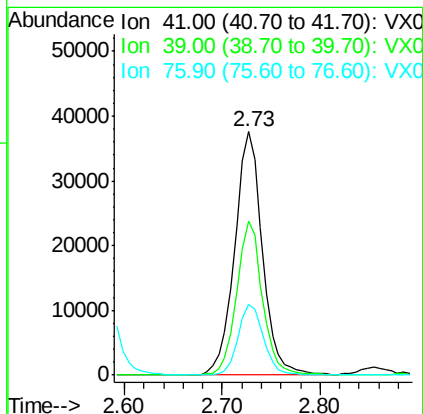
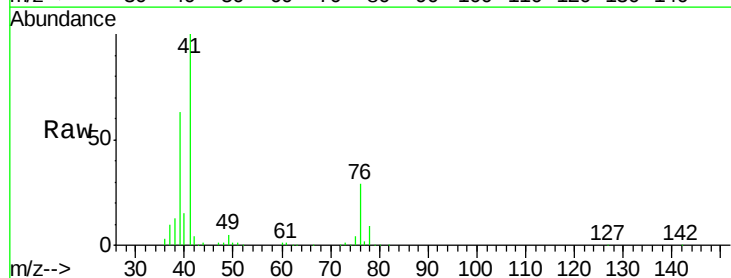
Tgt Ion: 41 Resp: 74254

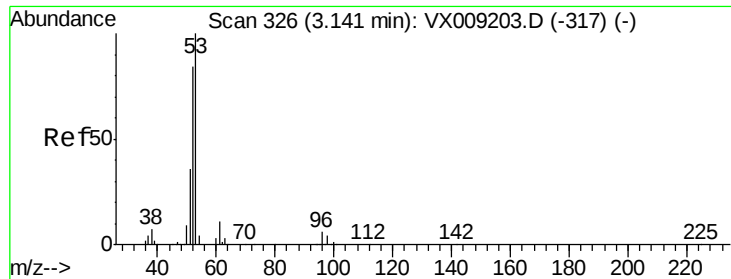
Ion Ratio Lower Upper

41 100

39 58.7 46.7 70.1

76 26.8 21.8 32.8





#15

Acrylonitrile

Concen: 103.936 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

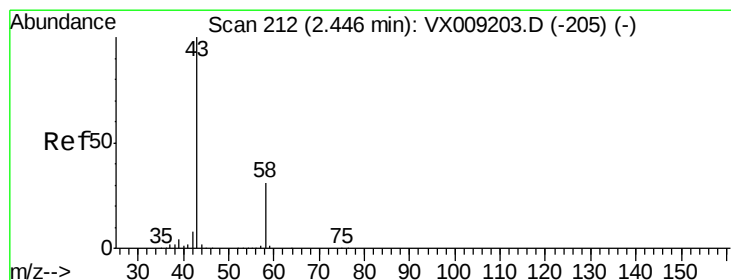
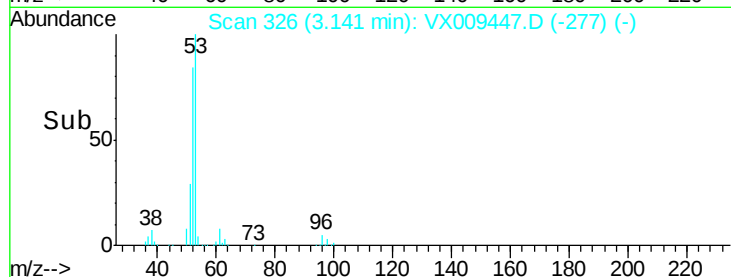
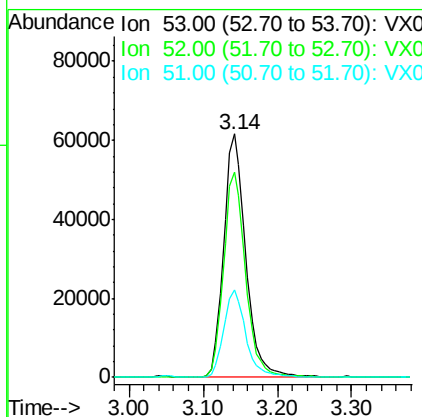
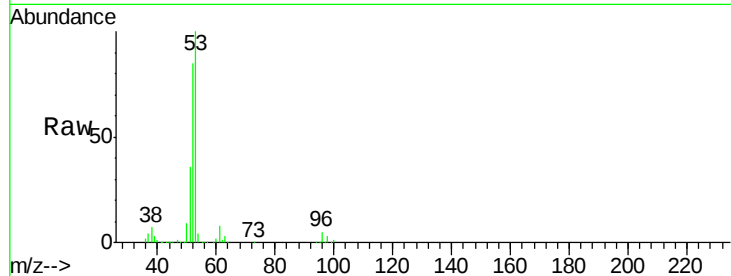
ClientSampleId :

VX0509WBSD02

Tot Ion:	53	Resp:	127037
Ion	Ratio	Lower	Upper
53	100		
52	84.4	66.9	100.3
51	36.6	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 95.962 ug/l

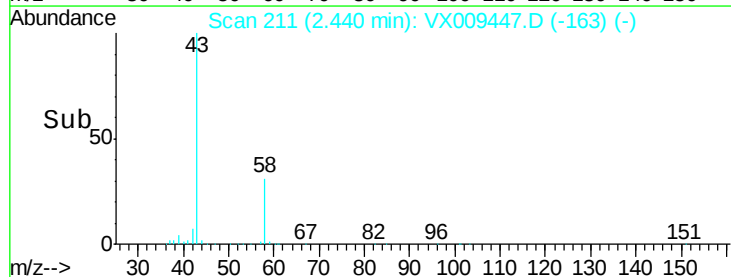
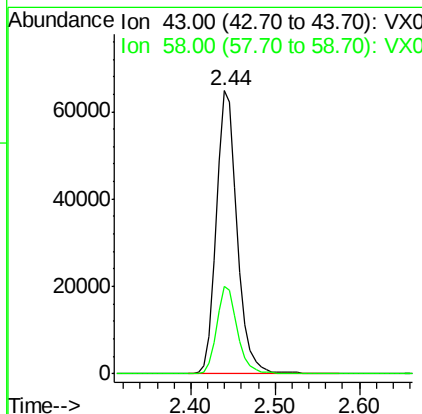
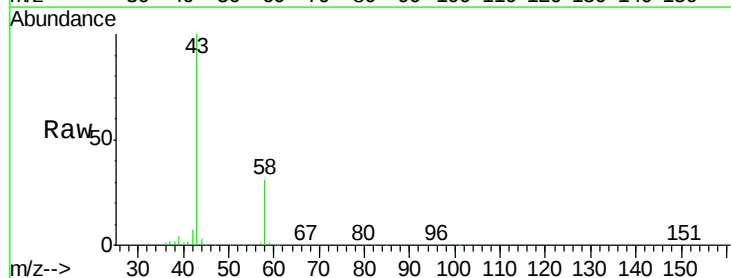
RT: 2.44 min Scan# 211

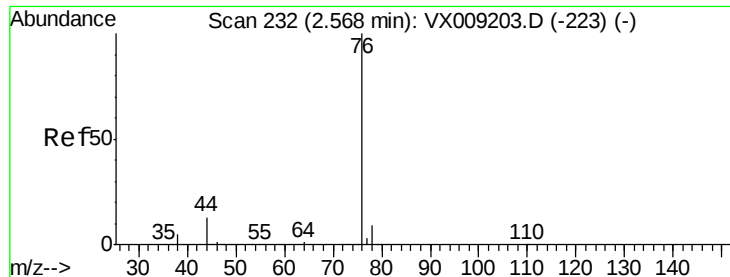
Delta R.T. -0.01 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Tgt Ion:	43	Resp:	111278
Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.9	37.3





#17

Carbon Disulfide

Concen: 22.036 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion: 76 Resp: 91831

Ion Ratio Lower Upper

76 100

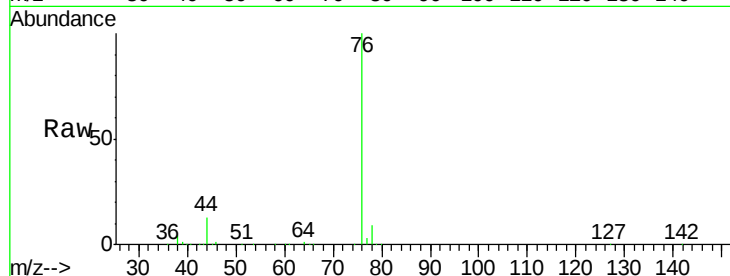
78 9.1 7.4 11.0

Manual Integrations

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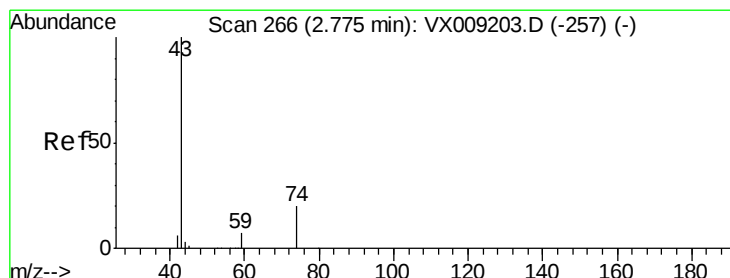
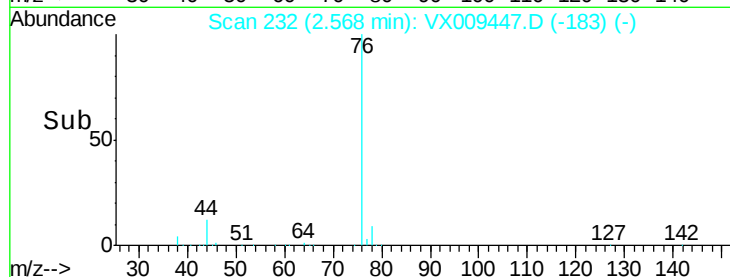
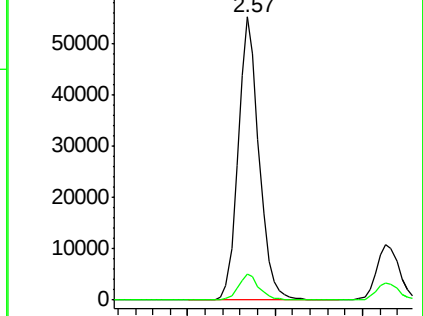
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 19.874 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX009447.D

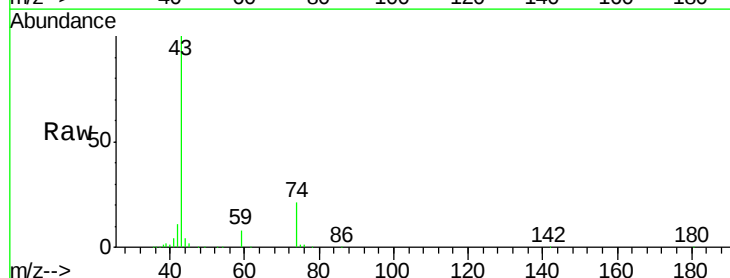
Acq: 09 May 2019 23:34

Tgt Ion: 43 Resp: 54807

Ion Ratio Lower Upper

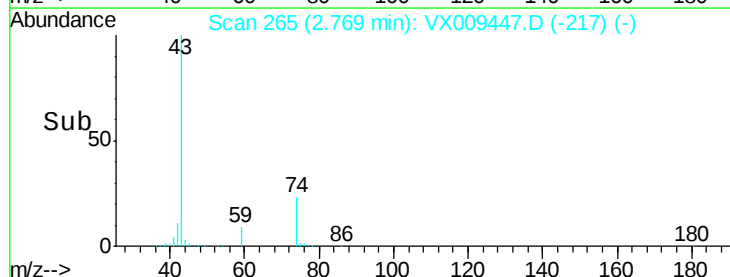
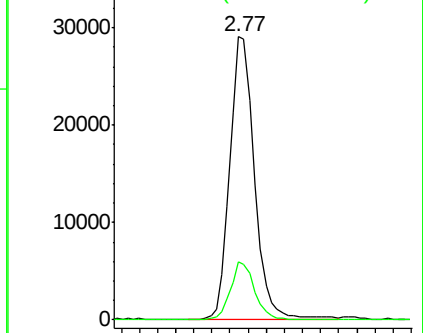
43 100

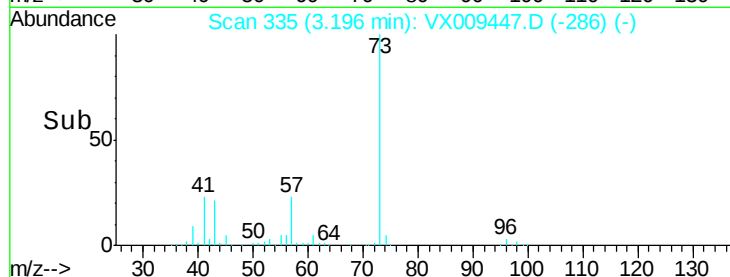
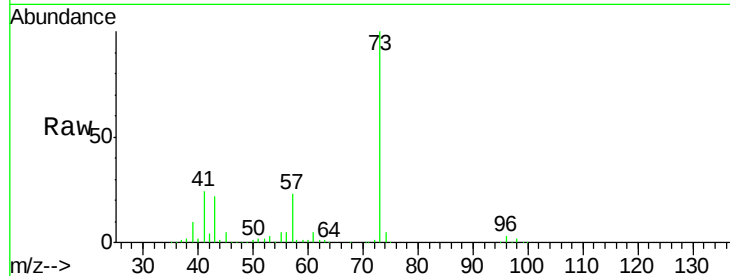
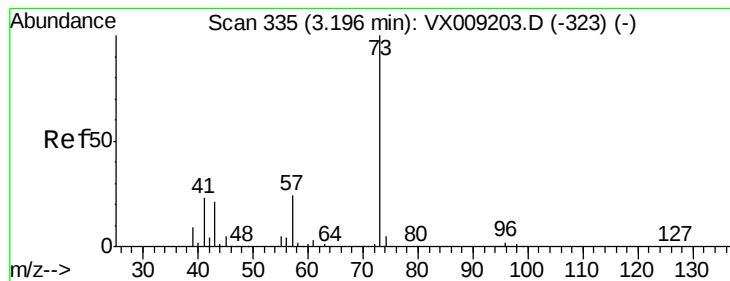
74 20.4 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

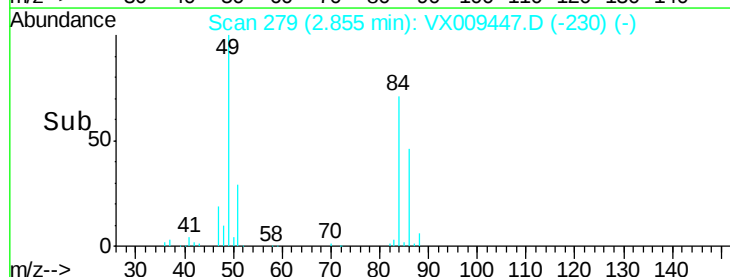
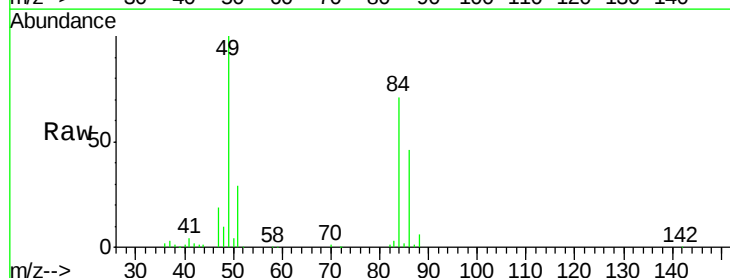
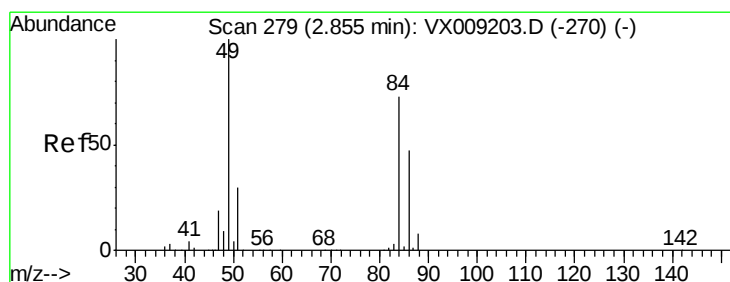
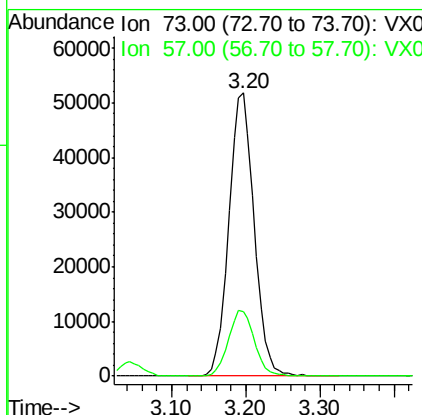
Methyl tert-butyl Ether
 Concen: 21.371 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	19.3	28.9

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD02

Manual Integrations
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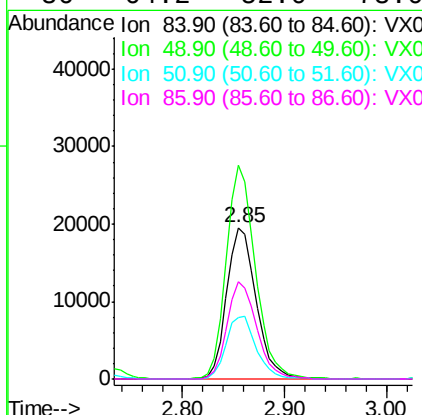
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 5/10/2019 1:12:49 PM

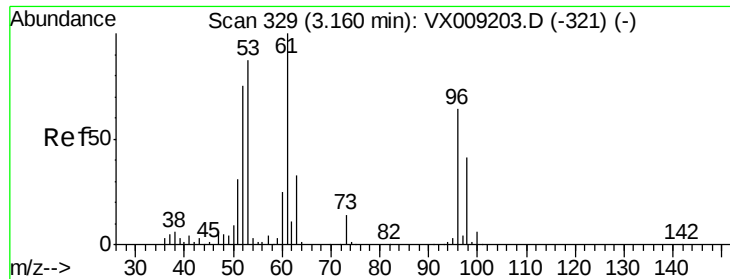


#20

Methylene Chloride
 Concen: 20.718 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.7	109.9	164.9
51	41.0	32.7	49.1
86	64.2	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 21.908 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

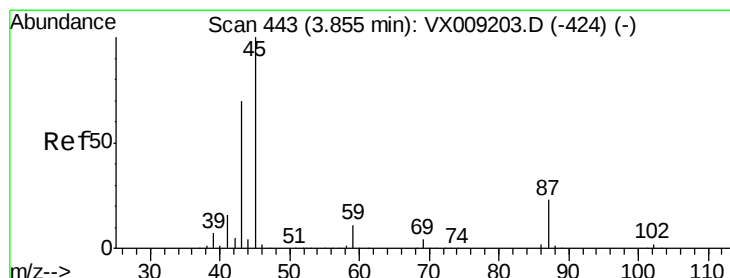
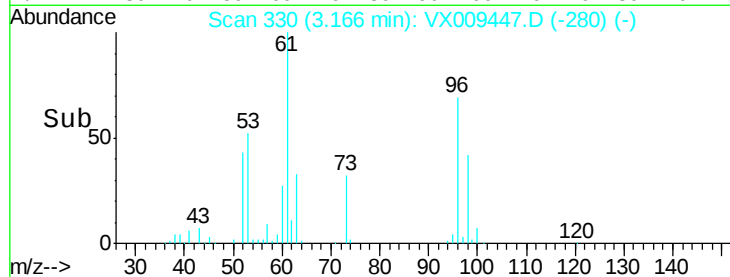
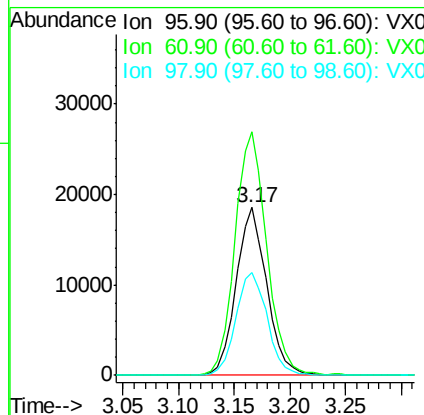
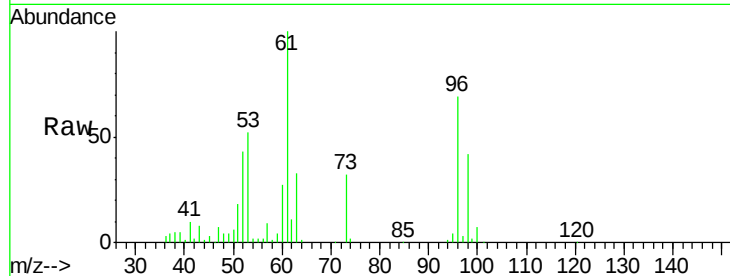
ClientSampleId :

VX0509WBSD02

Tot Ion:	96	Resp:	35267
Ion	Ratio	Lower	Upper
96	100		
61	144.9	124.5	186.7
98	61.4	50.4	75.6

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#22

Diisopropyl ether

Concen: 21.330 ug/l

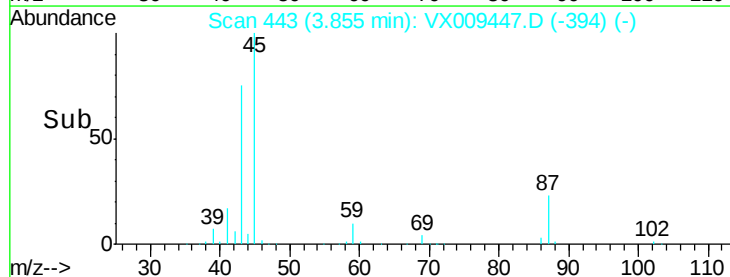
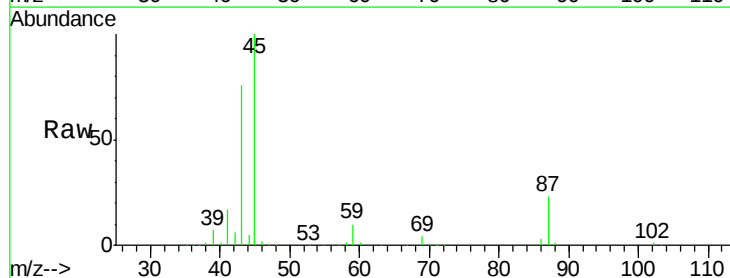
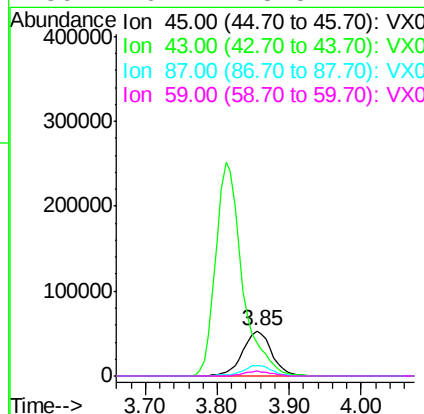
RT: 3.85 min Scan# 443

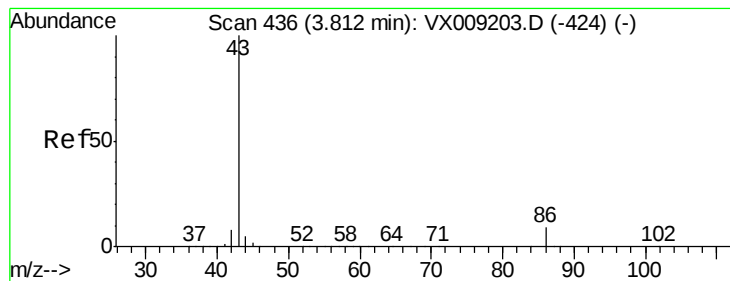
Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Tgt Ion:	45	Resp:	148382
Ion	Ratio	Lower	Upper
45	100		
43	75.0	56.1	84.1
87	22.5	18.1	27.1
59	10.4	8.5	12.7





#23

Vinyl Acetate

Concen: 108.715 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion: 43 Resp: 647616

Ion Ratio Lower Upper

43 100

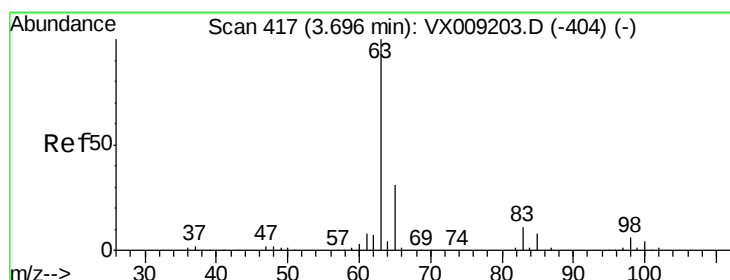
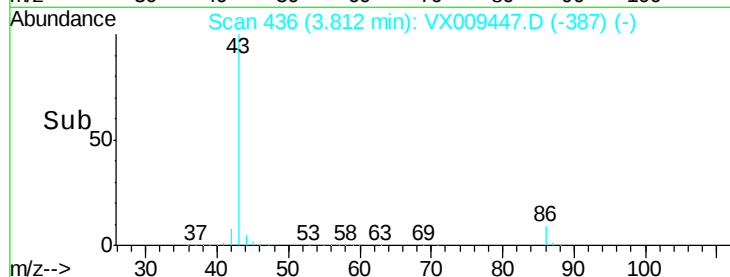
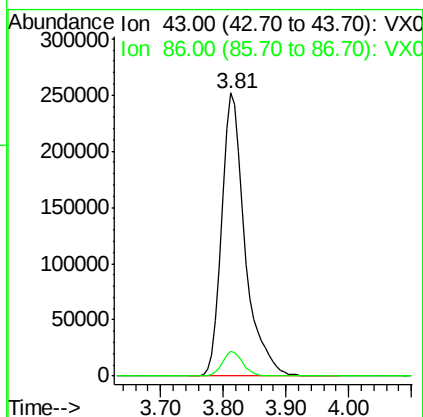
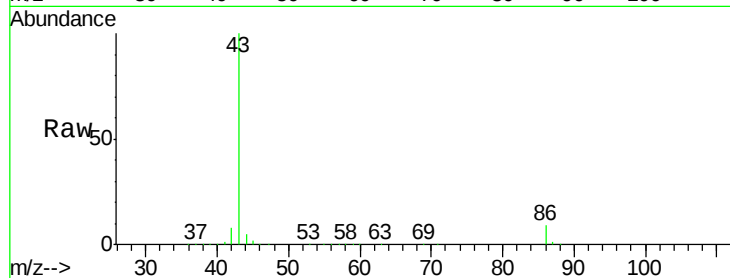
86 8.6 6.9 10.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.967 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

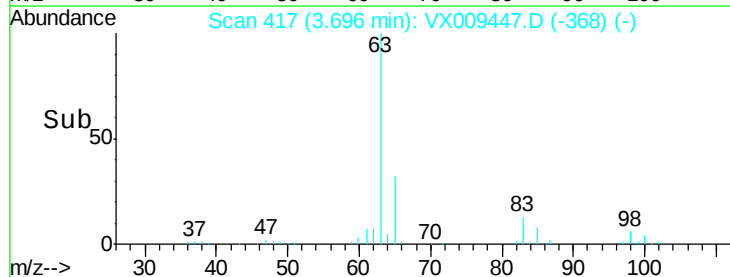
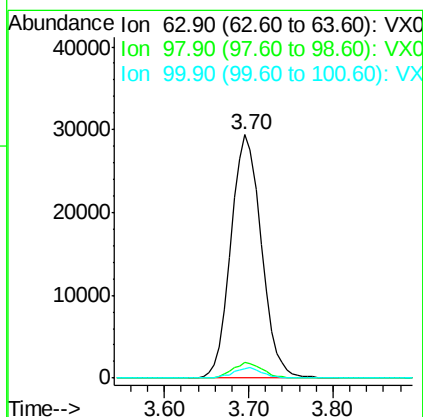
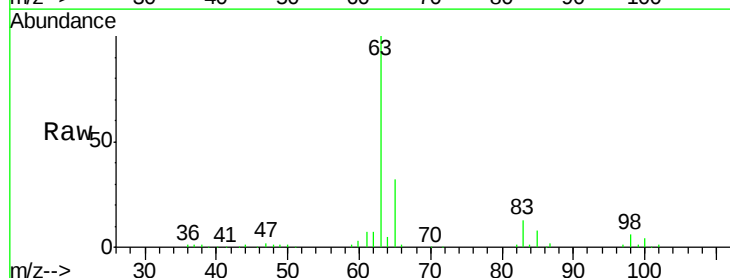
Tgt Ion: 63 Resp: 71954

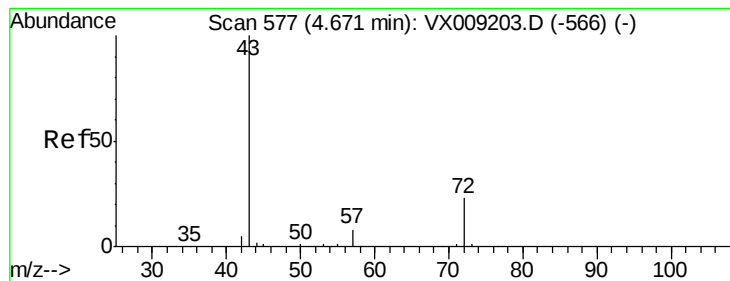
Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 103.789 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion: 43 Resp: 187028

Ion Ratio Lower Upper

43 100

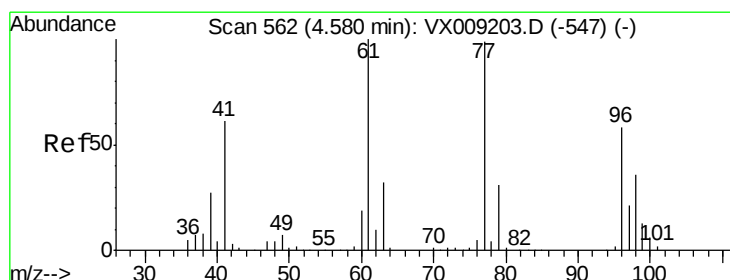
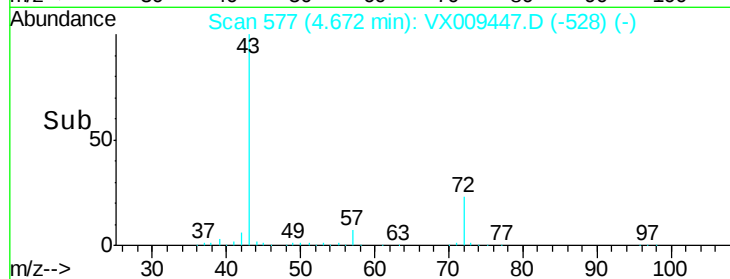
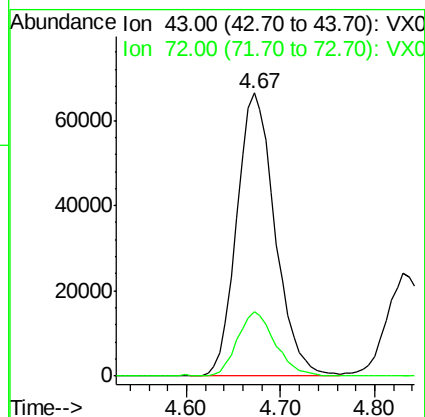
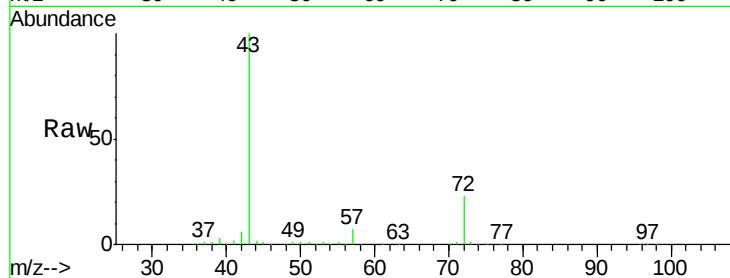
72 22.7 18.2 27.2

Manual Integrations

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5/10/2019 1:12:49 PM



#26

2,2-Dichloropropane

Concen: 17.237 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009447.D

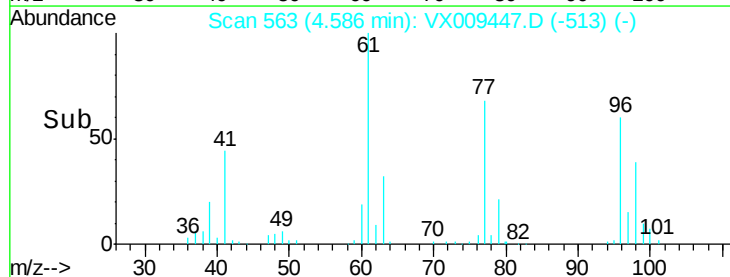
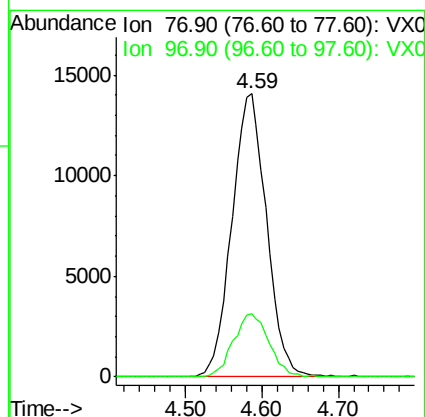
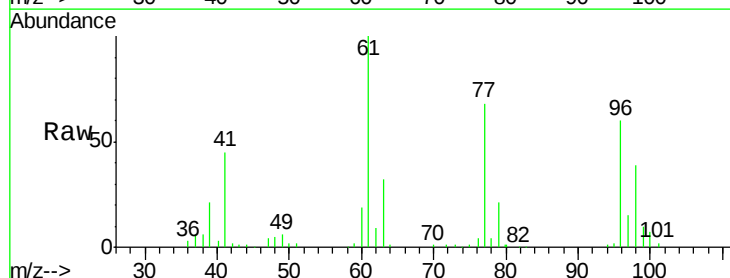
Acq: 09 May 2019 23:34

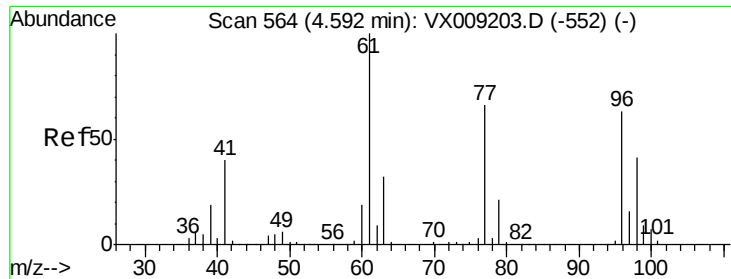
Tgt Ion: 77 Resp: 44030

Ion Ratio Lower Upper

77 100

97 22.9 11.5 34.4





#27

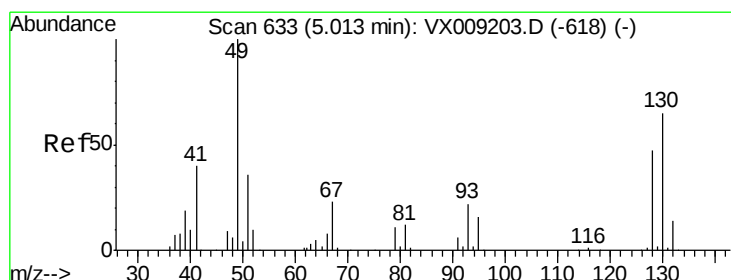
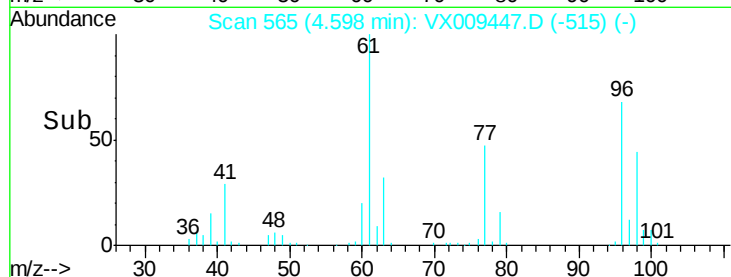
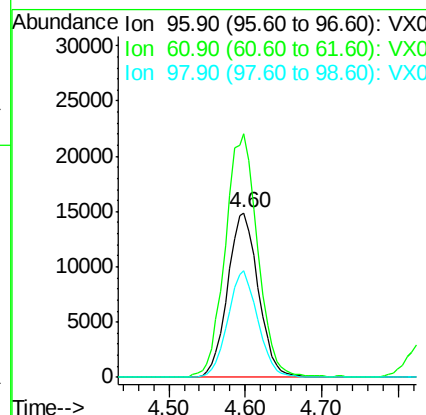
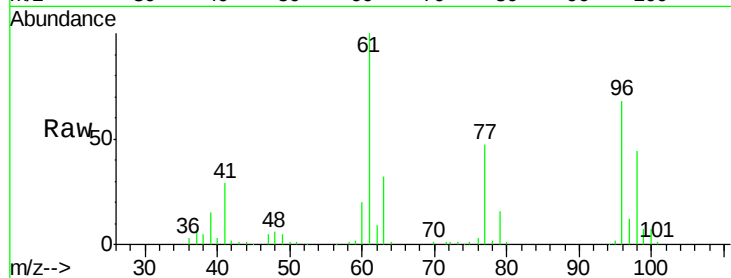
cis-1,2-Dichloroethene
Concen: 21.506 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.1	0.0	324.0
98	63.3	0.0	130.4

Manual Integrations
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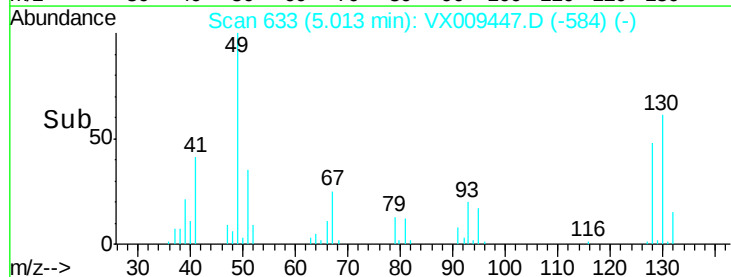
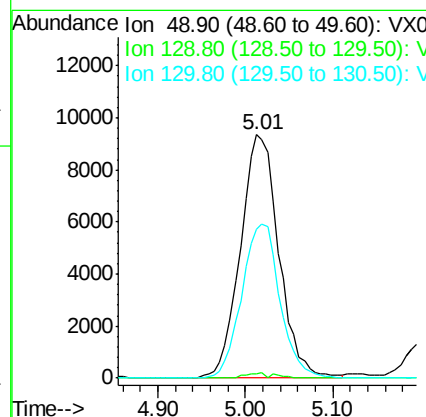
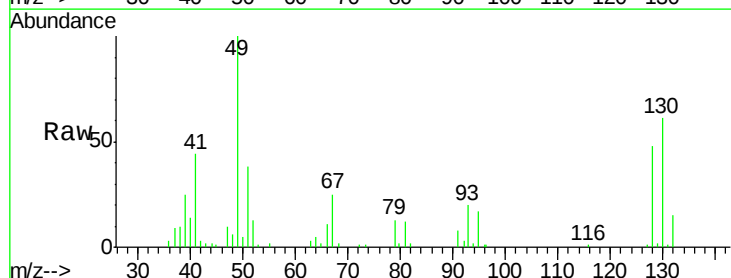
MMDadoda
5/10/2019 1:12:49 PM

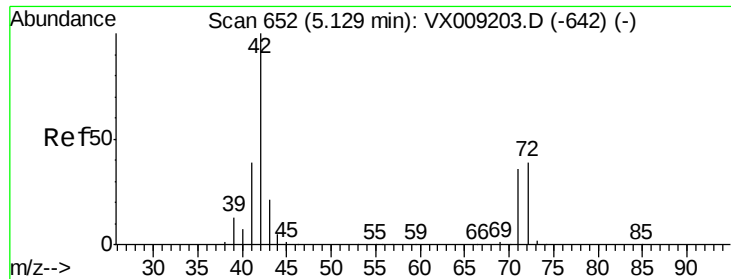


#28

Bromochloromethane
Concen: 18.924 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.8
130	63.0	51.2	76.8





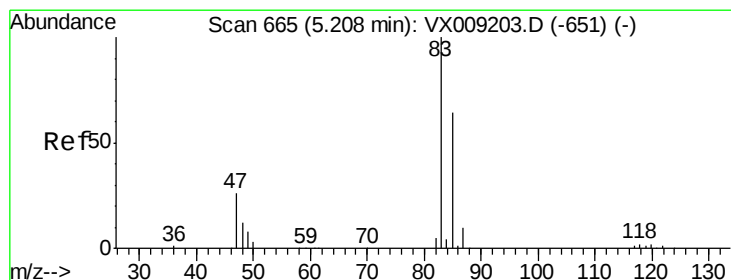
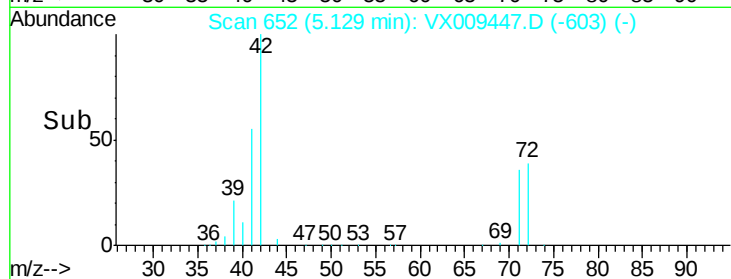
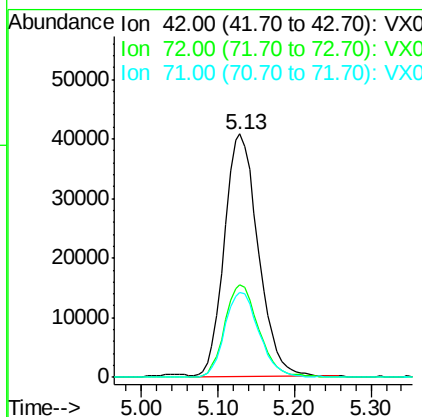
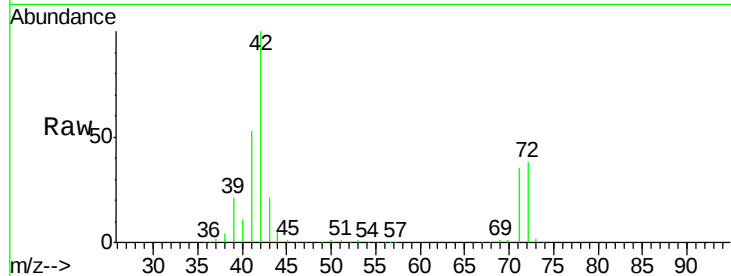
#29
Tetrahydrofuran
Concen: 108.059 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.4	30.4	45.6
71	35.6	28.6	43.0

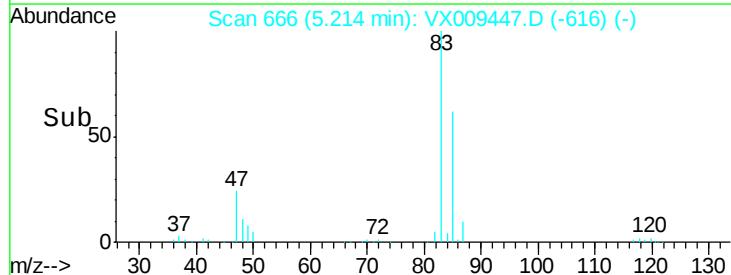
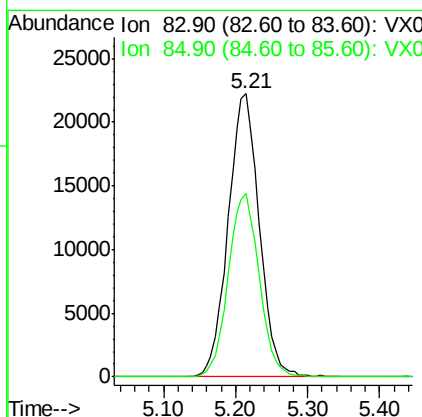
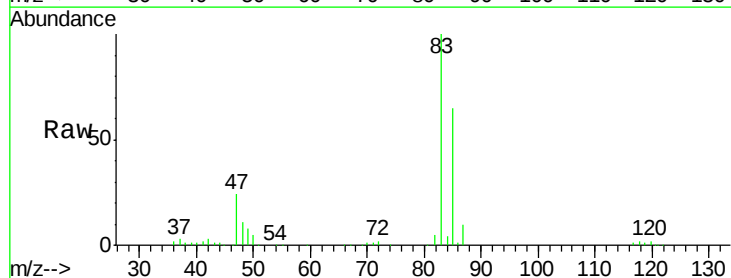
Manual Integrations
APPROVED

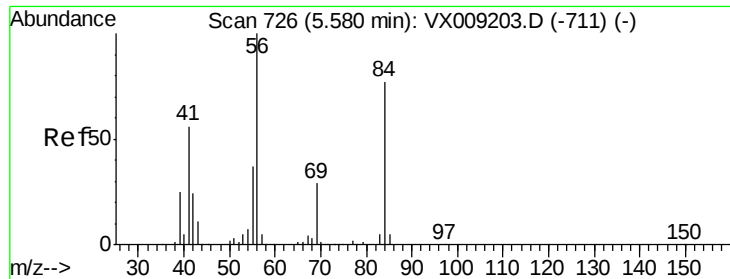
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#30
Chloroform
Concen: 21.497 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.5	77.3





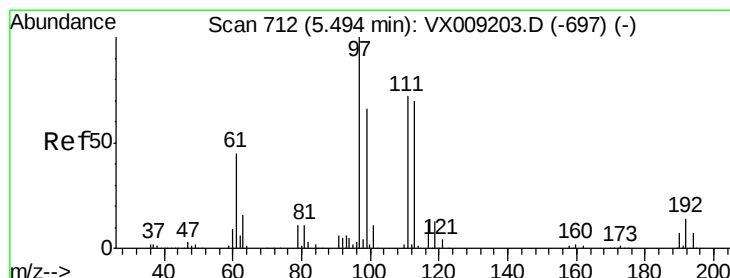
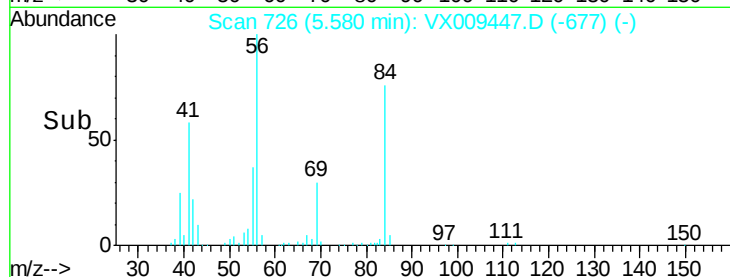
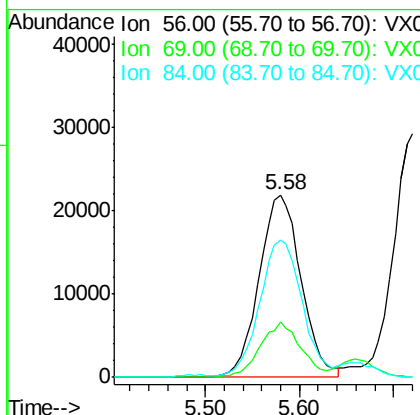
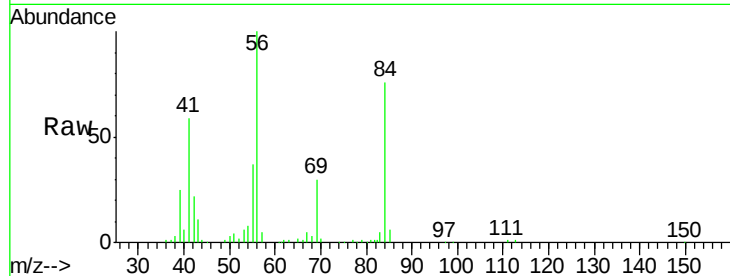
#31
Cyclohexane
Concen: 21.388 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	23.4	35.0
84	74.2	61.9	92.9

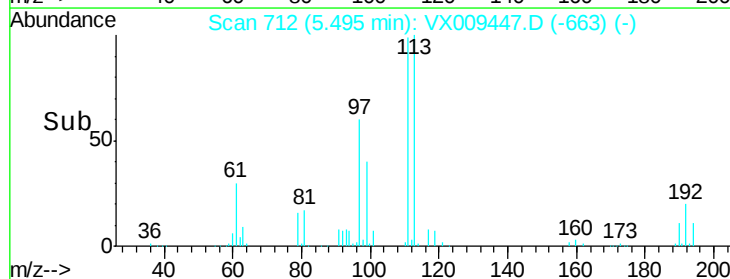
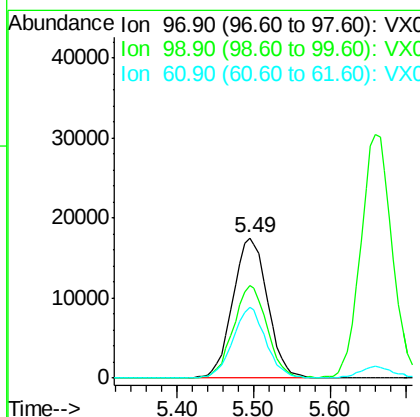
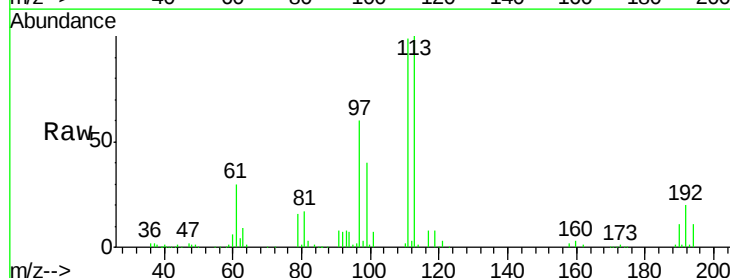
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 21.304 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.8
61	48.1	37.8	56.8





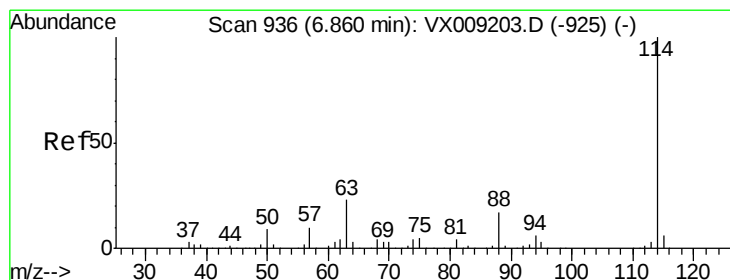
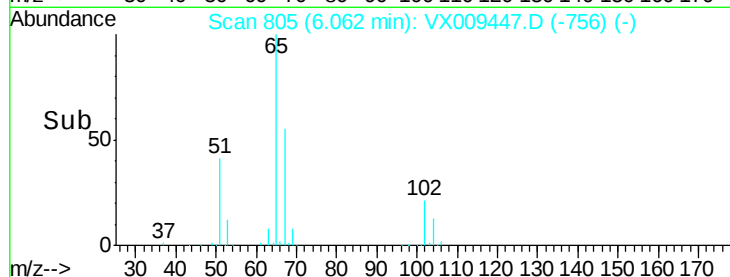
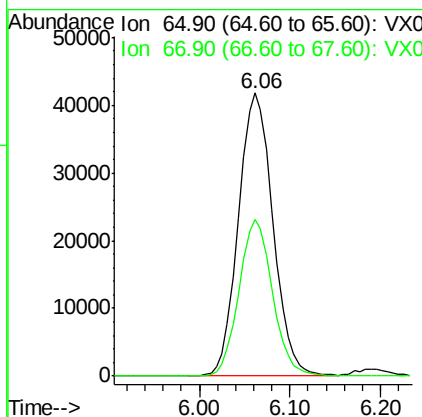
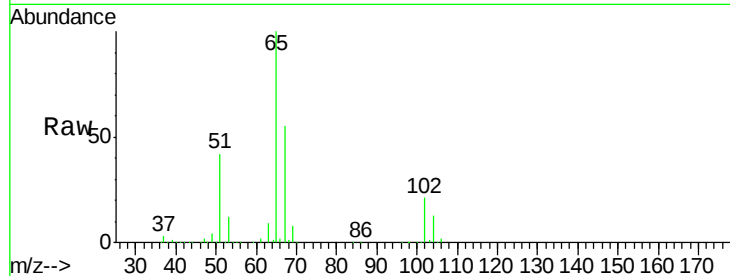
#33
 1,2-Dichloroethane-d4
 Concen: 51.182 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	110531		
67	54.0	0.0	106.6	

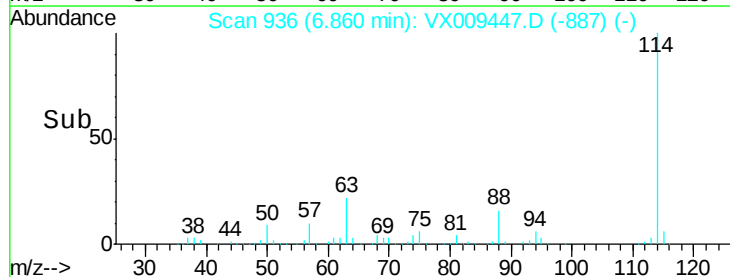
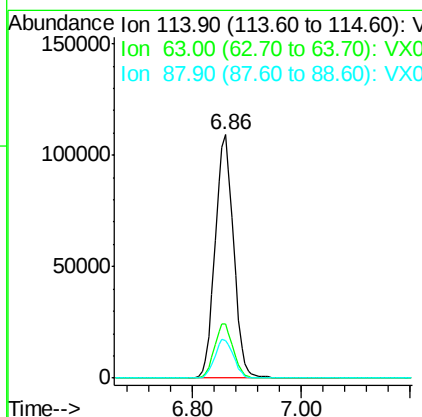
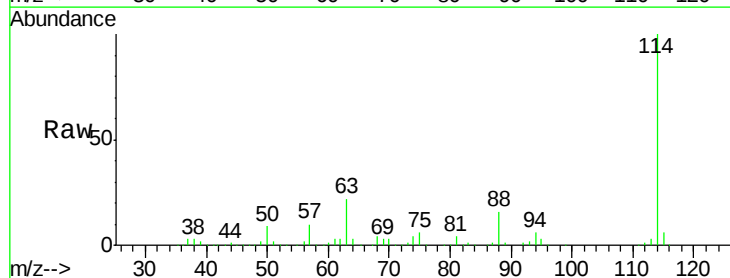
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	257094		
63	22.2	0.0	45.6	
88	15.7	0.0	33.2	





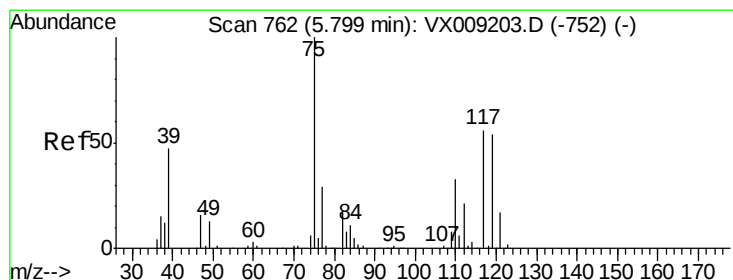
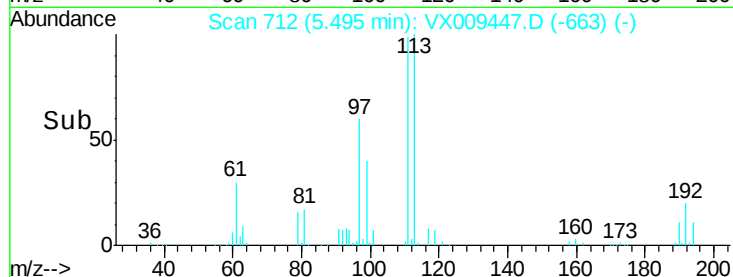
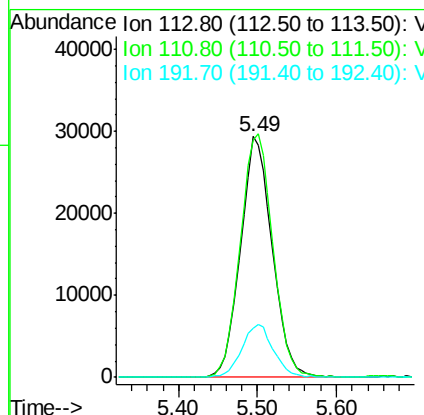
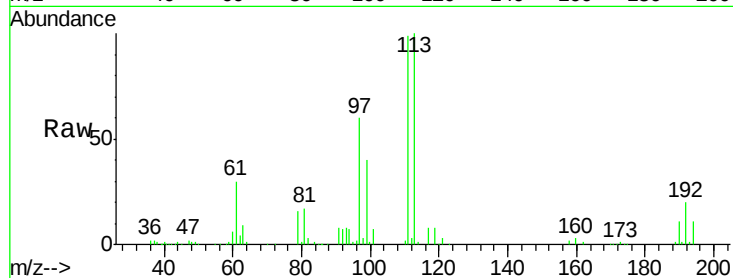
#35
 Dibromofluoromethane
 Concen: 50.727 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	81985		
111	103.9	82.8	124.2	
192	21.9	17.0	25.6	

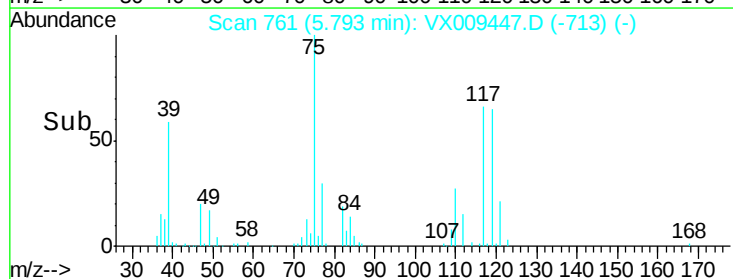
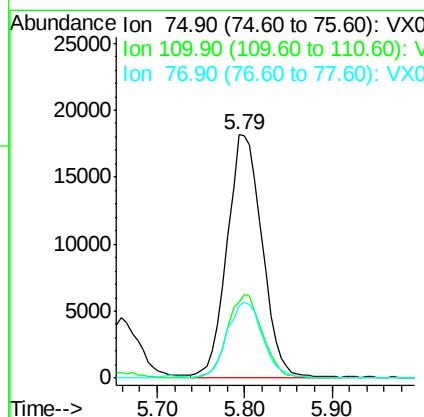
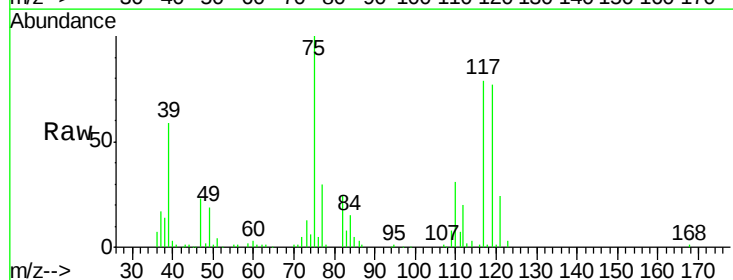
Manual Integrations
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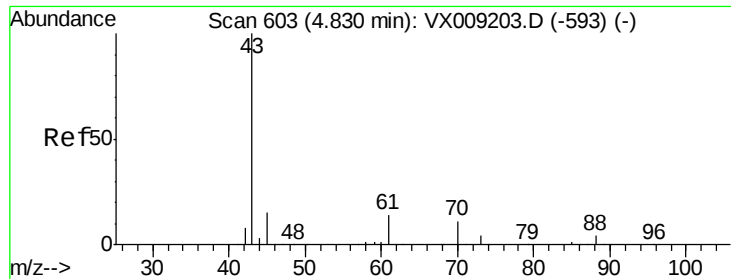
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#36
 1,1-Dichloropropene
 Concen: 21.020 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	50221		
110	34.6	16.9	50.6	
77	32.3	24.8	37.2	





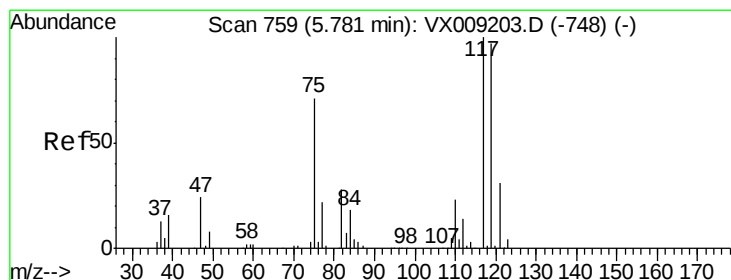
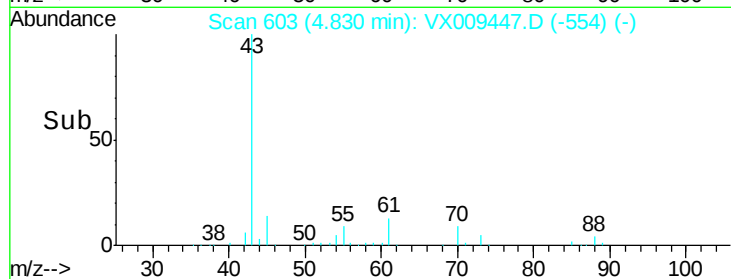
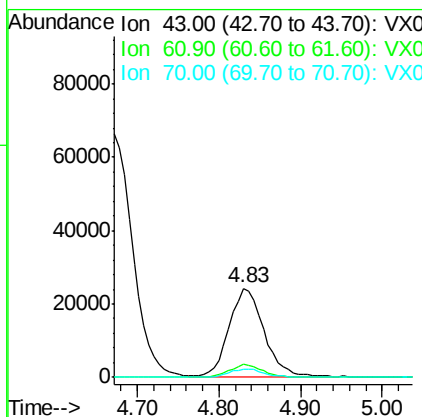
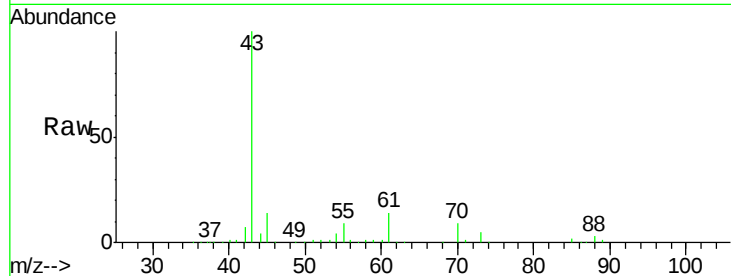
#37
Ethyl Acetate
Concen: 21.214 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.5	15.7
70	9.6	7.9	11.9

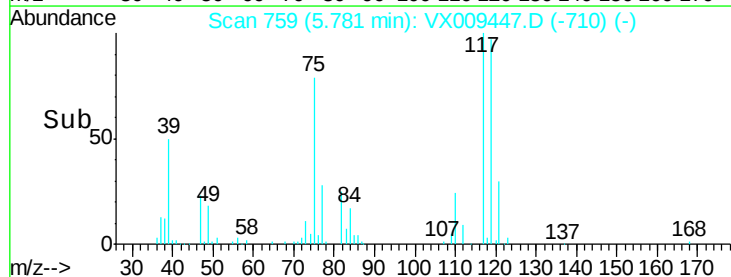
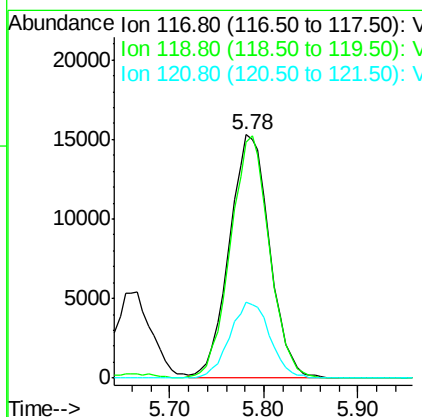
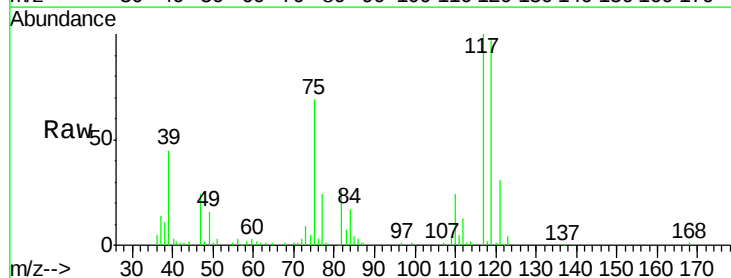
Manual Integrations
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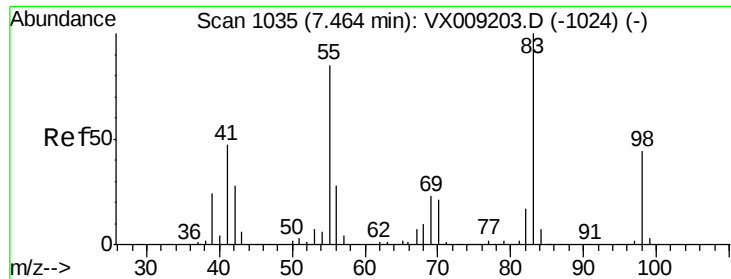
MMDadoda
5/10/2019 1:12:49 PM



#38
Carbon Tetrachloride
Concen: 20.964 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.5	116.3
121	31.1	24.7	37.1





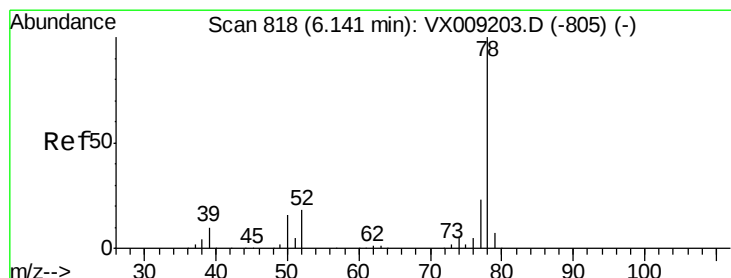
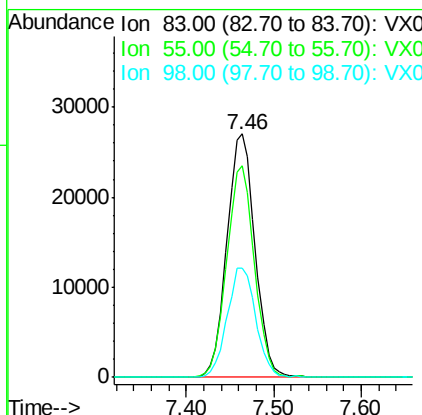
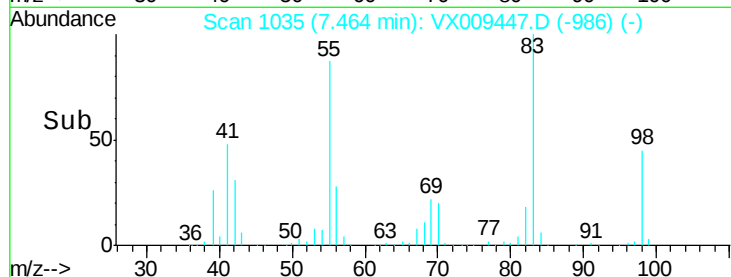
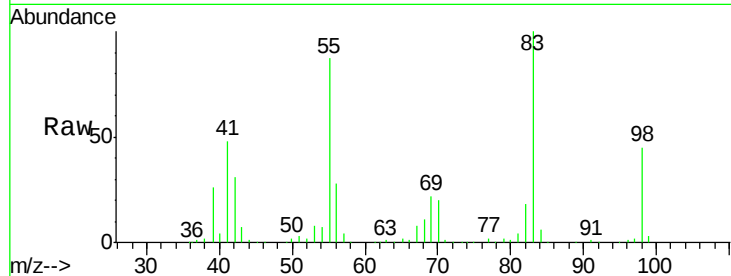
#39
Methvlcvclohexane
Concen: 20.570 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.0	67.7	101.5
98	44.6	35.5	53.3

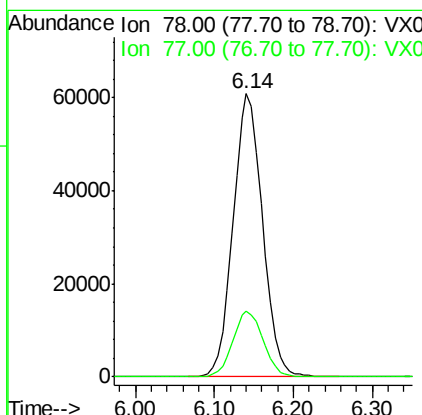
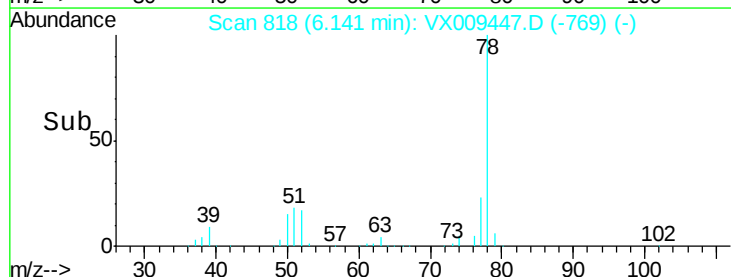
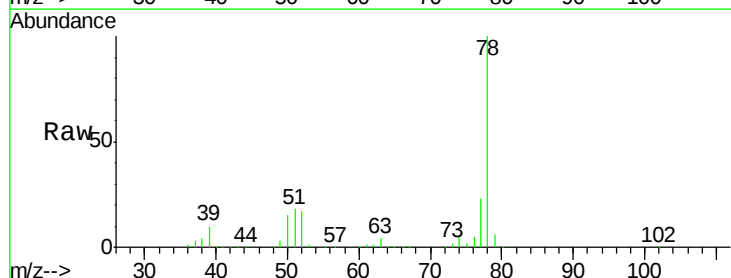
Manual Integrations
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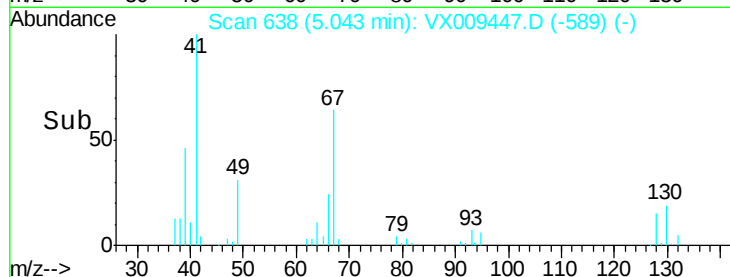
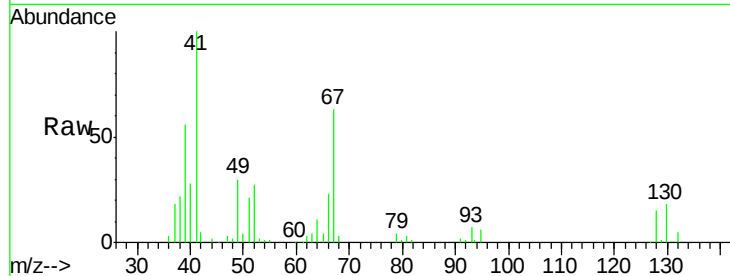
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#40
Benzene
Concen: 21.368 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





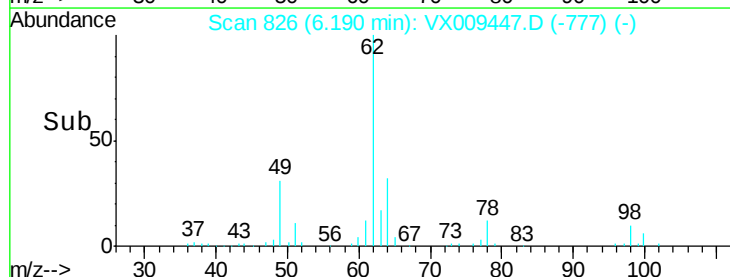
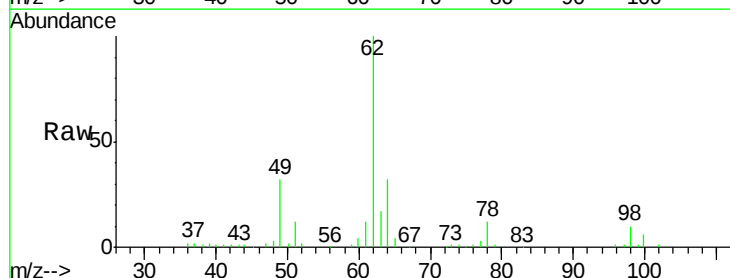
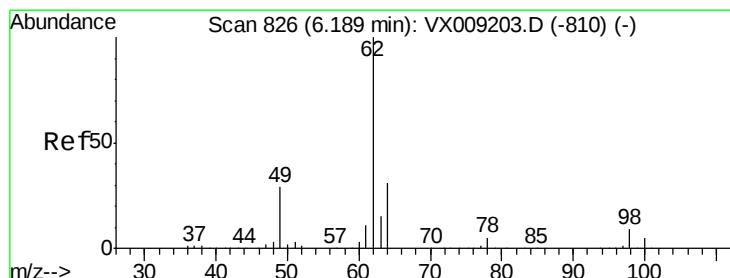
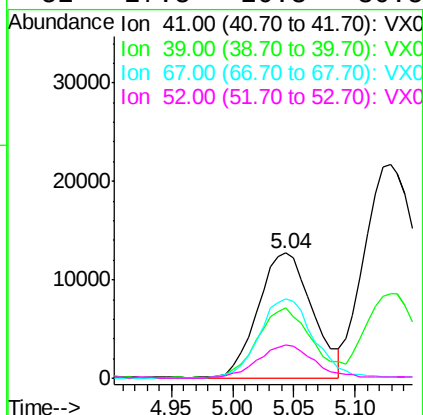
#41
Methacrylonitrile
Concen: 19.721 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.5	42.0	63.0	
67	64.7	49.8	74.8	
52	27.8	20.3	30.5	

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

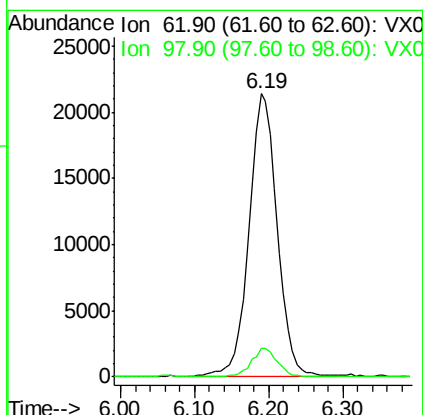
Manual Integrations
APPROVED

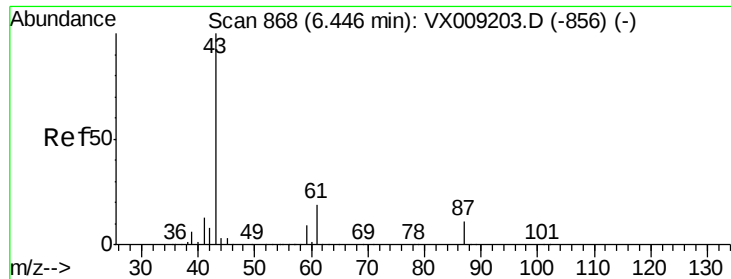
MMDadoda
5/10/2019 1:12:49 PM



#42
1,2-Dichloroethane
Concen: 21.511 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	18.2	





#43

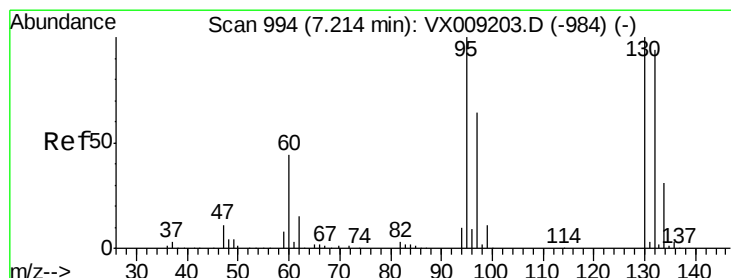
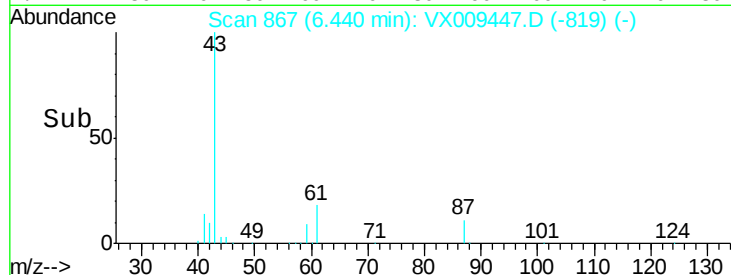
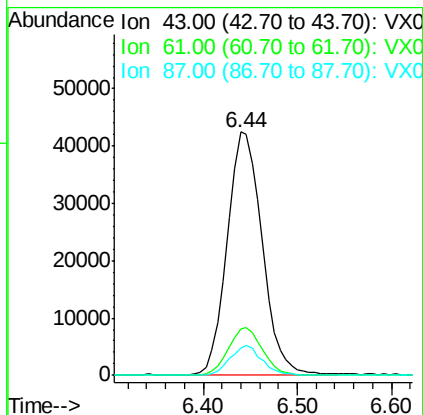
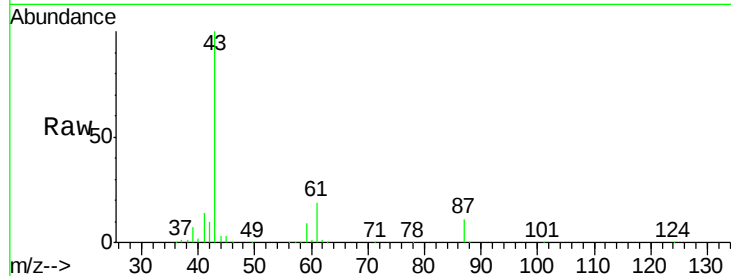
Isopropyl Acetate
 Concen: 20.575 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.1	22.7
87	11.4	9.0	13.6

Manual Integrations
 APPROVED

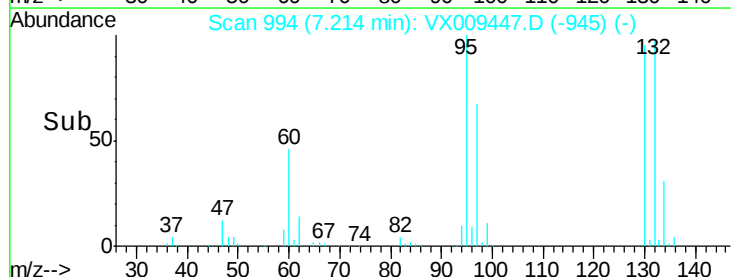
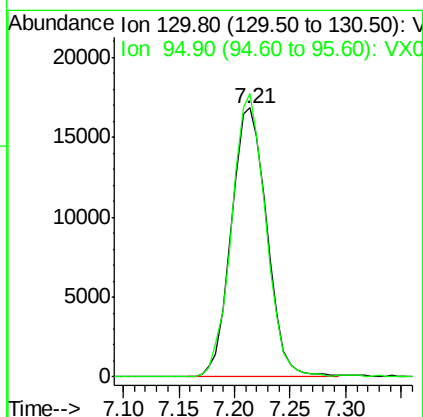
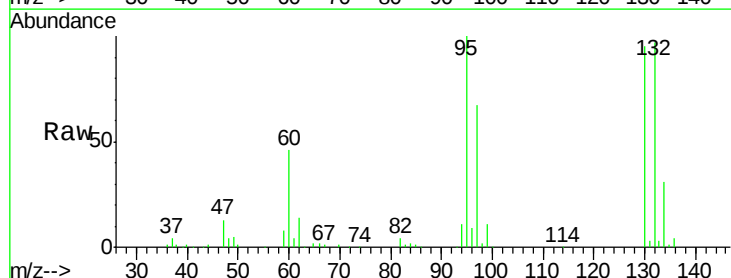
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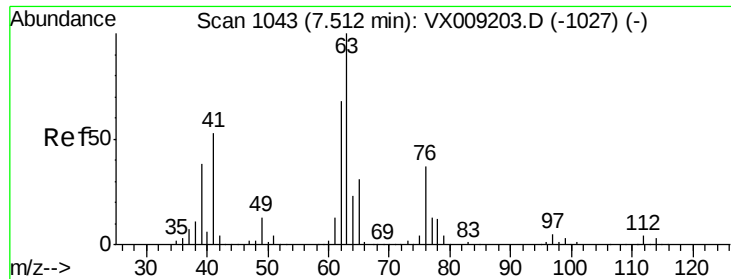


#44

Trichloroethene
 Concen: 20.887 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.3	0.0	199.2





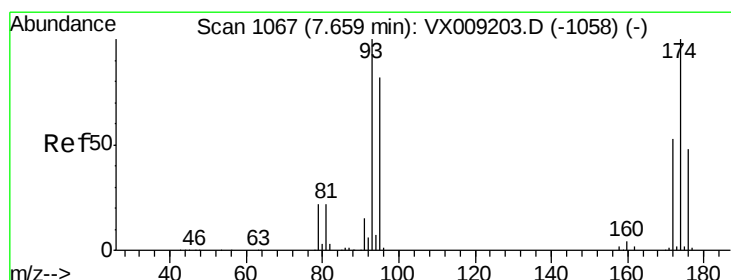
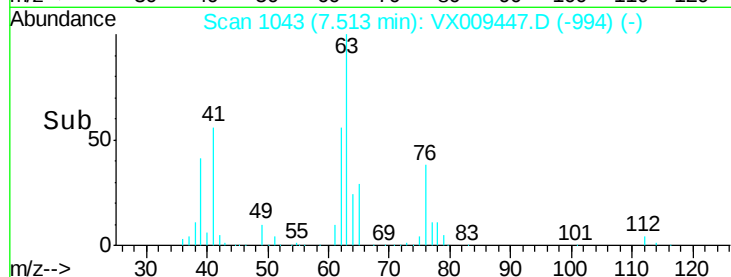
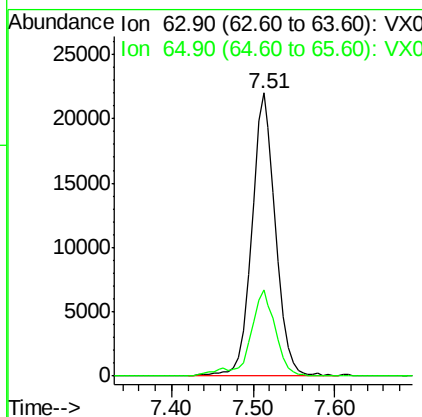
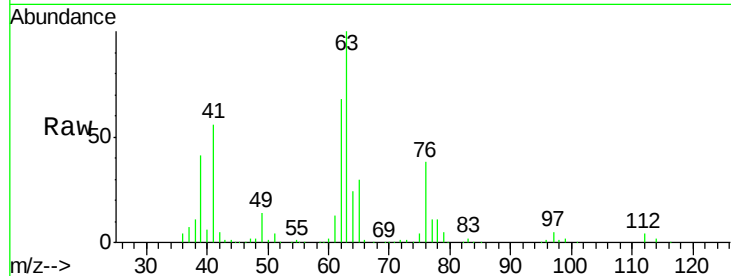
#45
 1,2-Dichloropropane
 Concen: 21.393 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0509WBSD02

Tot Ion: 63 Resp: 44791
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.0 37.6

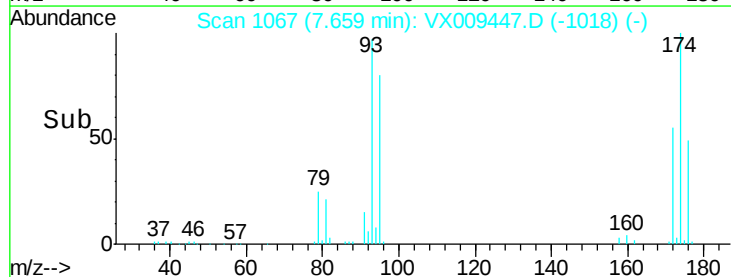
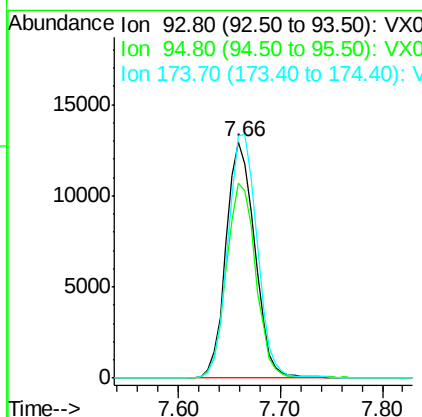
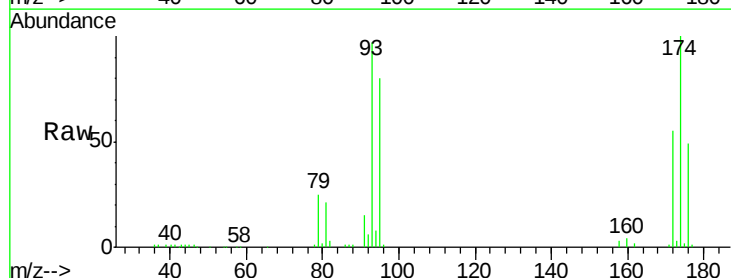
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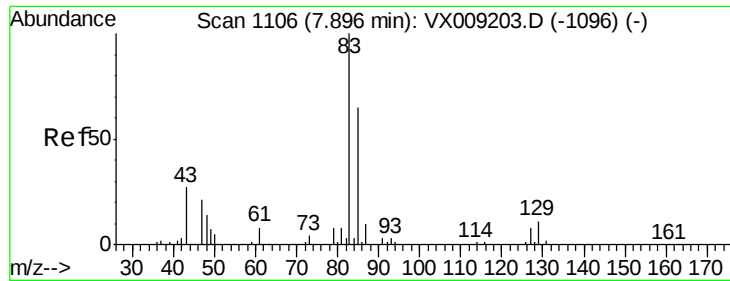
MMDadoda
 5/10/2019 1:12:49 PM



#46
 Dibromomethane
 Concen: 20.828 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Tgt Ion: 93 Resp: 25324
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.5 99.7
 174 104.7 82.1 123.1





#47

Bromodichloromethane

Concen: 20.829 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009447.D

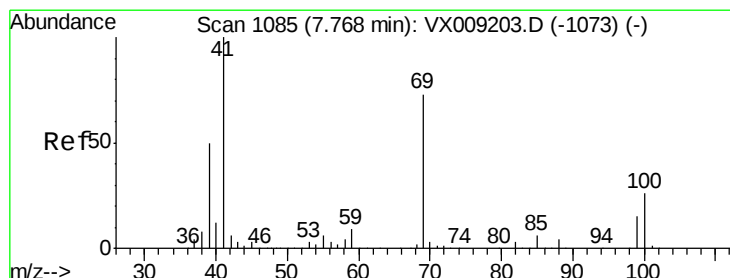
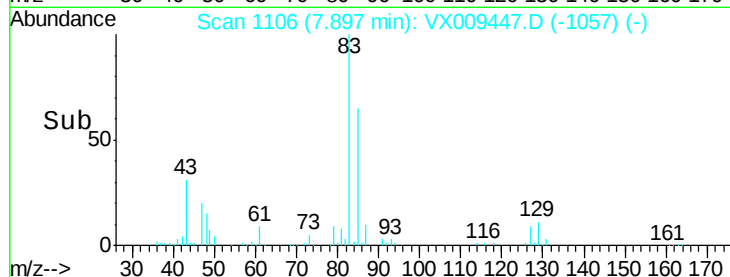
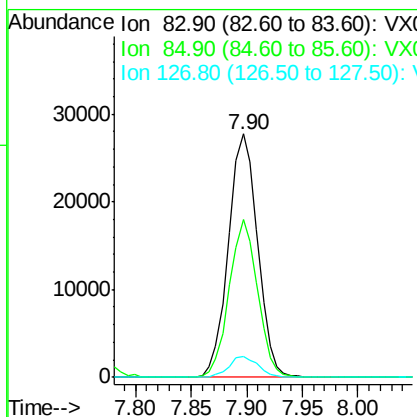
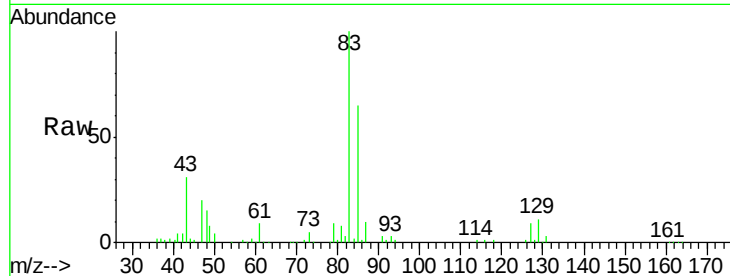
Acq: 09 May 2019 23:34

Tot Ion:	83	Resp:	50516
Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.4	78.6
127	8.7	6.6	10.0

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

Manual Integrations
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5/10/2019 1:12:49 PM



#48

Methyl methacrylate

Concen: 21.201 ug/l

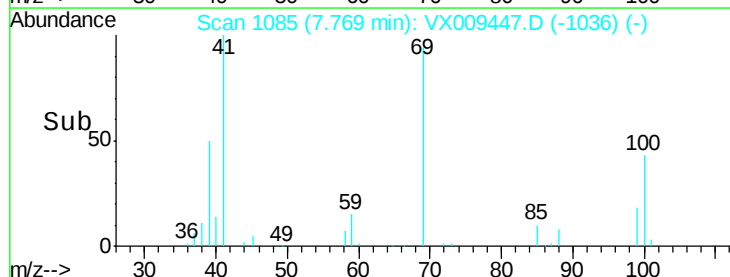
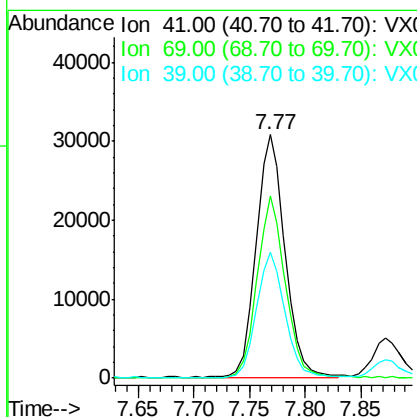
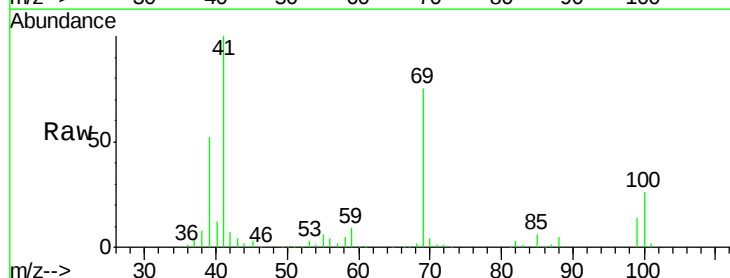
RT: 7.77 min Scan# 1085

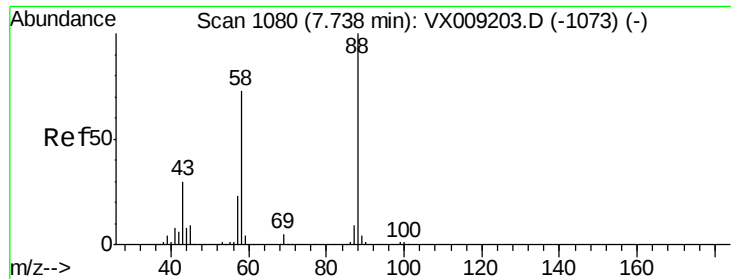
Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Tgt Ion:	41	Resp:	56007
Ion	Ratio	Lower	Upper
41	100		
69	73.2	59.1	88.7
39	51.1	40.4	60.6





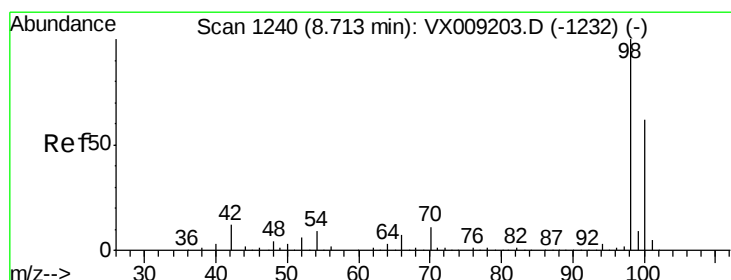
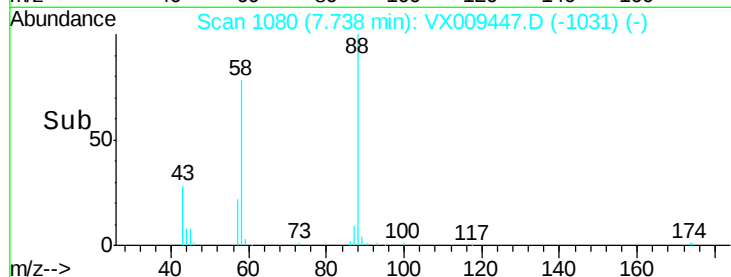
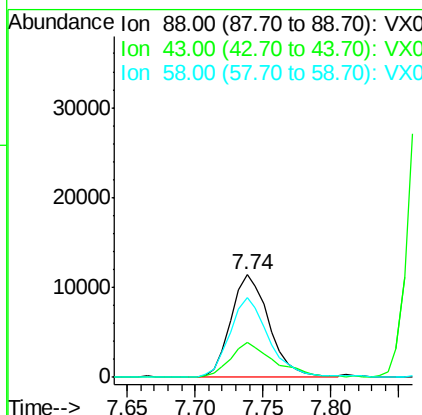
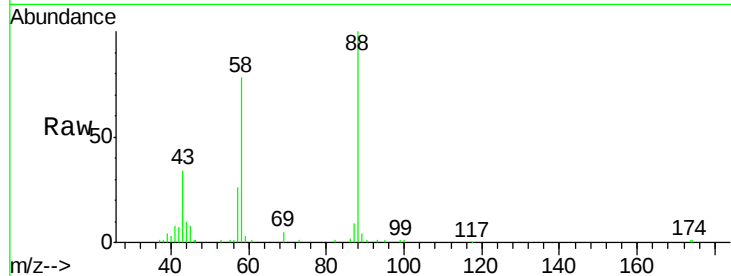
#49
1,4-Dioxane
Concen: 420.374 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.5	28.6	42.8
58	79.4	61.7	92.5

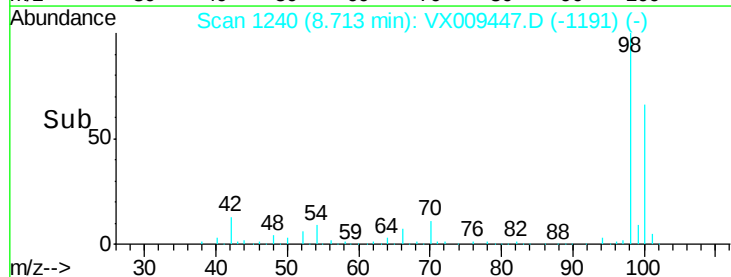
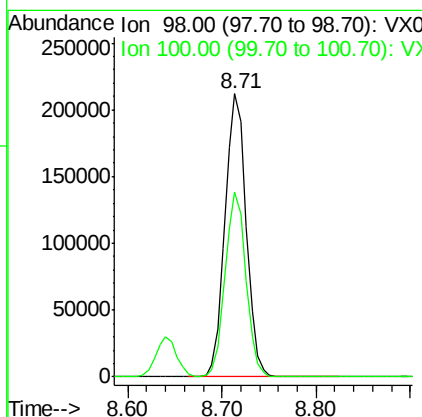
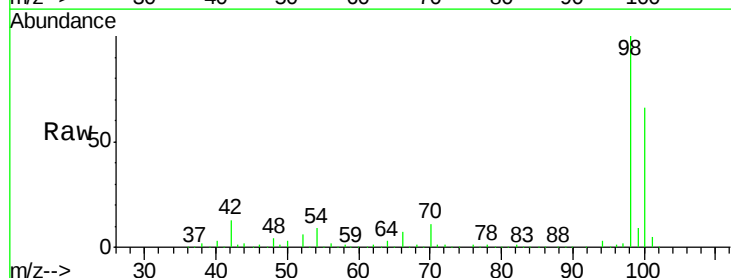
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#50
Toluene-d8
Concen: 50.703 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 106.218 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion: 43 Resp: 369674

Ion Ratio Lower Upper

43 100

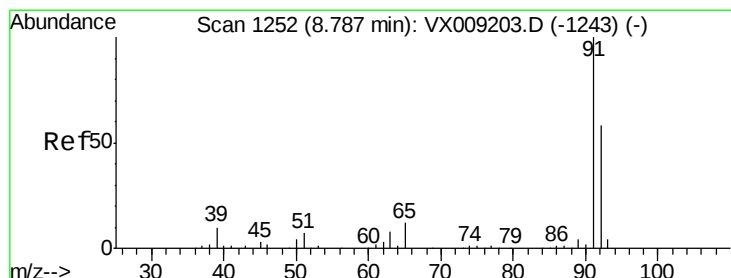
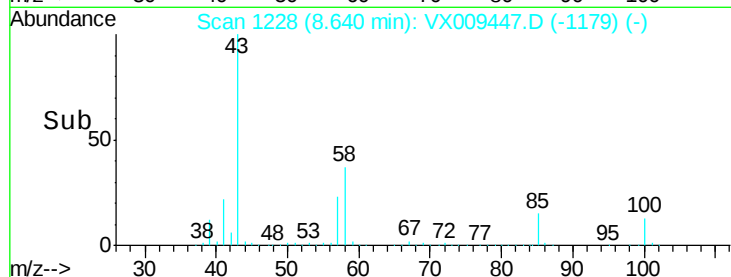
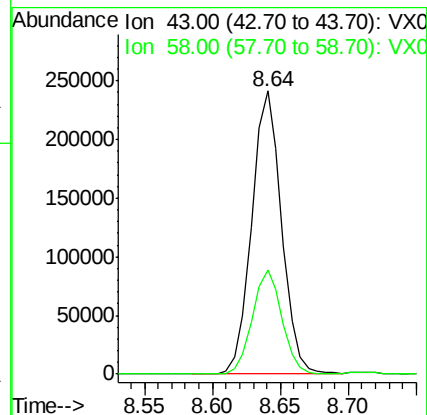
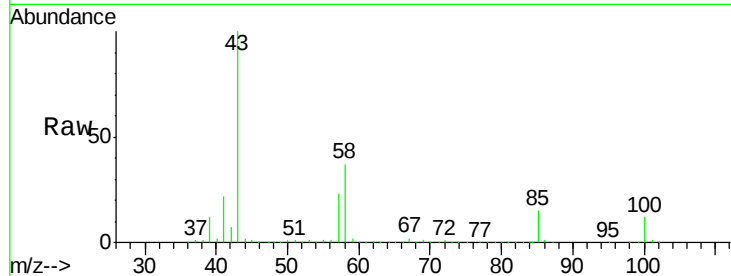
58 36.8 29.5 44.3

Manual Integrations

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5/10/2019 1:12:49 PM



#52

Toluene

Concen: 21.397 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009447.D

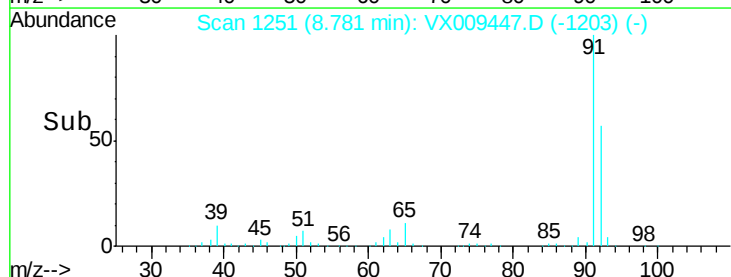
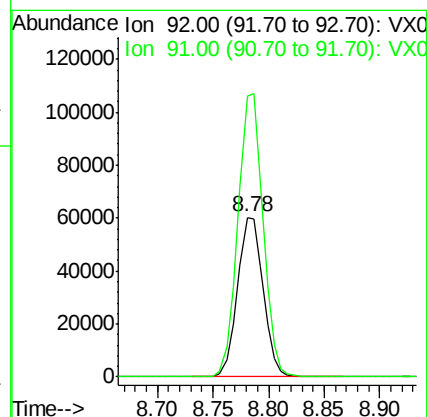
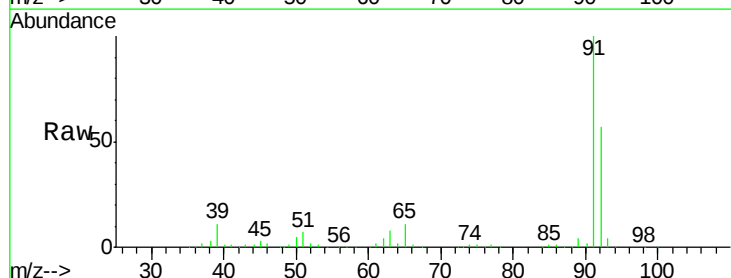
Acq: 09 May 2019 23:34

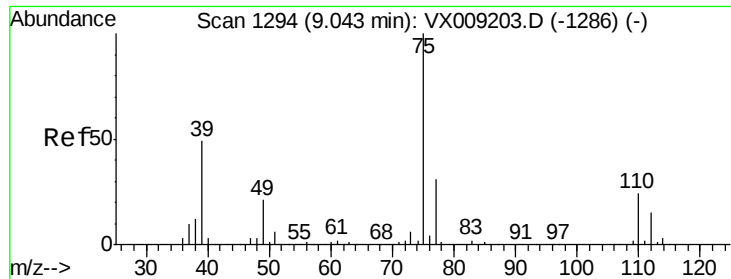
Tgt Ion: 92 Resp: 96172

Ion Ratio Lower Upper

92 100

91 174.9 138.8 208.2





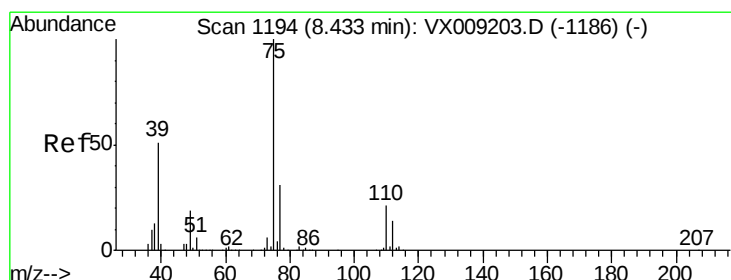
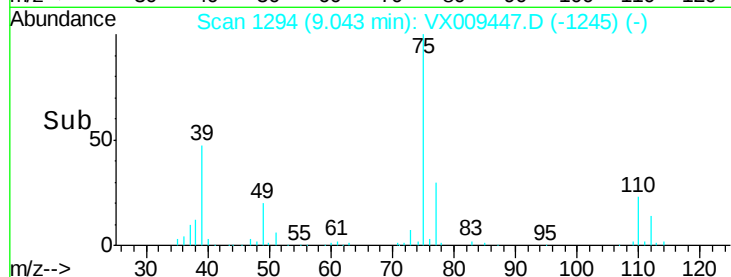
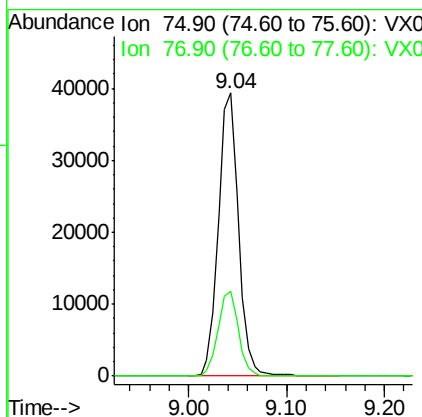
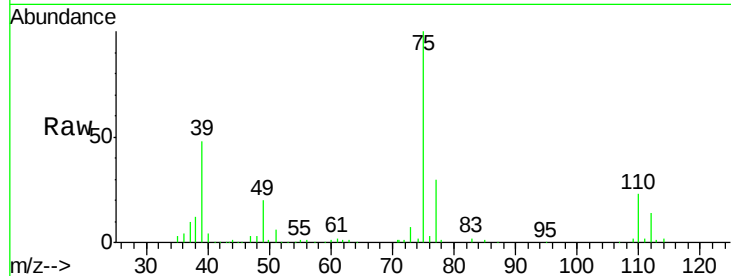
#53
t-1,3-Dichloropropene
Concen: 20.617 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

Tot Ion: 75 Resp: 56454
Ion Ratio Lower Upper
75 100
77 30.0 25.0 37.6

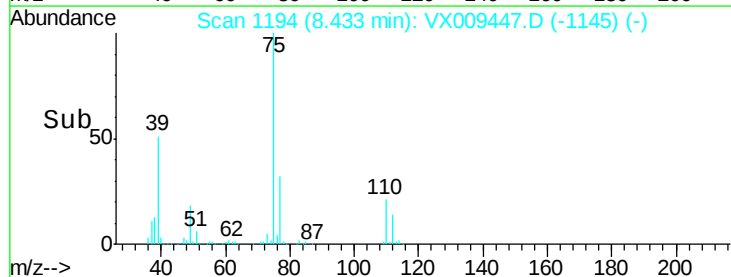
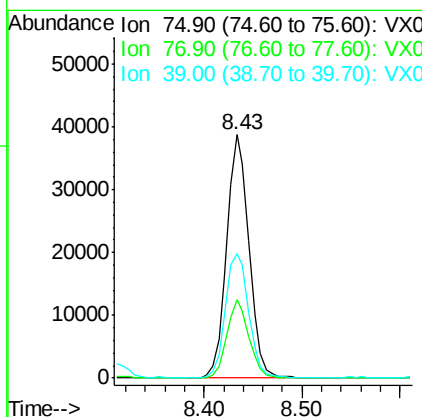
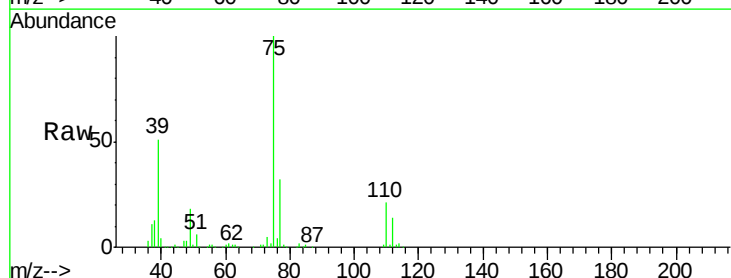
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#54
cis-1,3-Dichloropropene
Concen: 20.215 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tgt Ion: 75 Resp: 61267
Ion Ratio Lower Upper
75 100
77 32.4 24.6 36.8
39 51.2 40.6 60.8





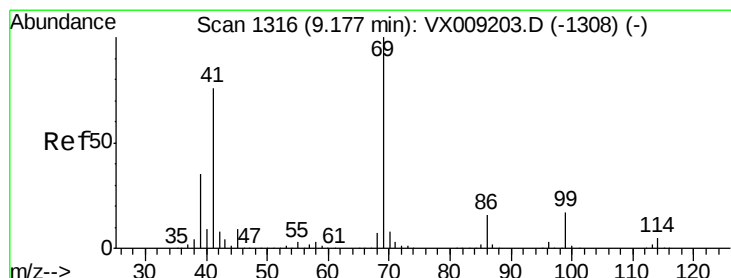
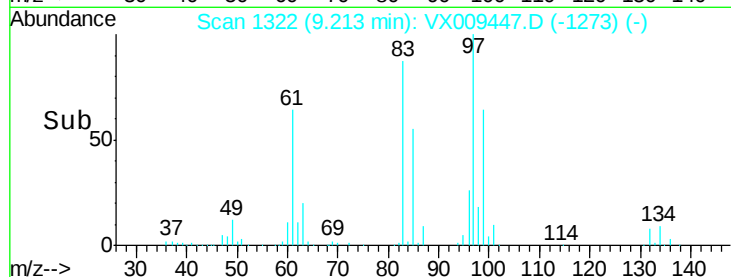
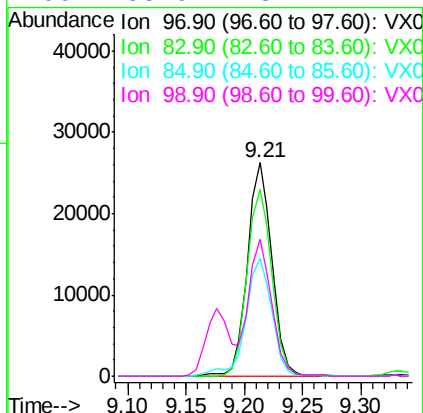
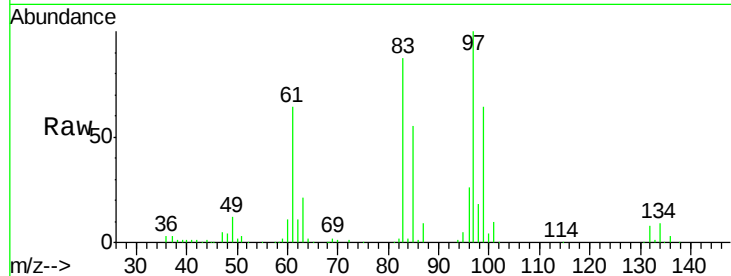
#55
 1,1,2-Trichloroethane
 Concen: 21.084 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD02

Tot Ion:	97	Resp:	38662
Ion	Ratio	Lower	Upper
97	100		
83	87.5	68.9	103.3
85	55.2	43.8	65.6
99	63.9	48.2	72.2

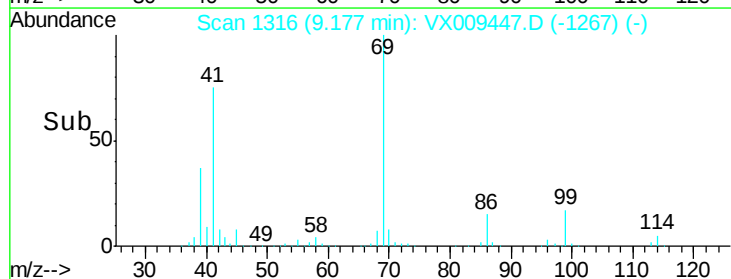
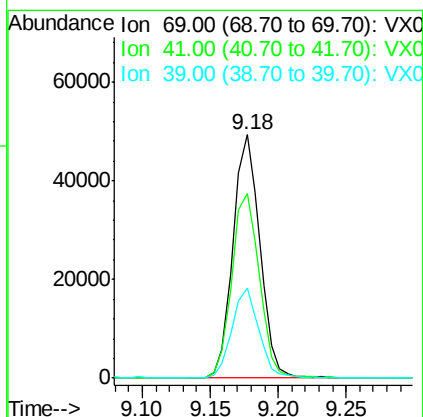
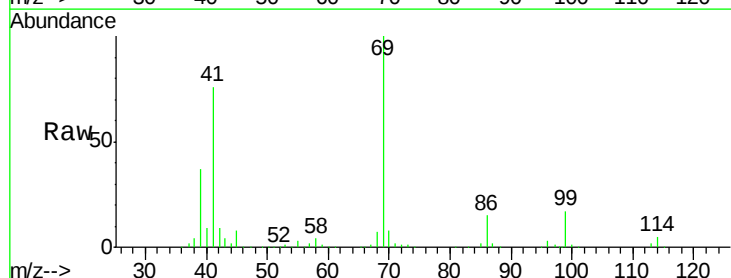
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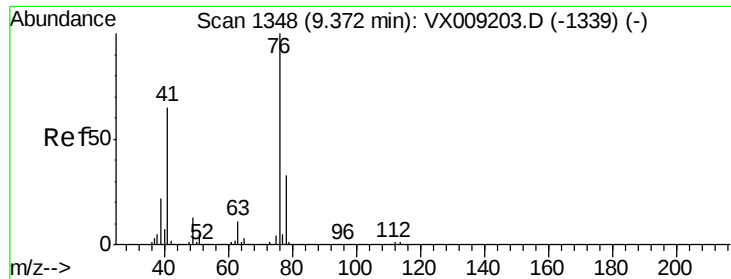
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#56
 Ethyl methacrylate
 Concen: 20.831 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Tgt Ion:	69	Resp:	68186
Ion	Ratio	Lower	Upper
69	100		
41	77.3	60.6	90.8
39	36.9	28.2	42.4





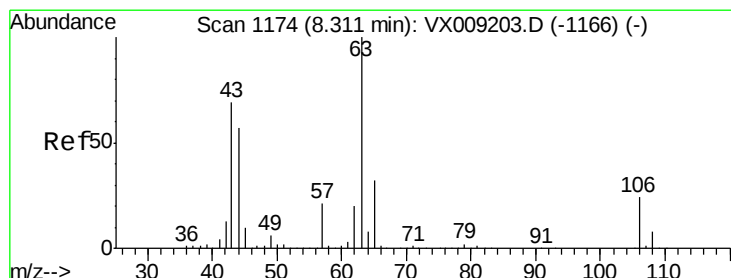
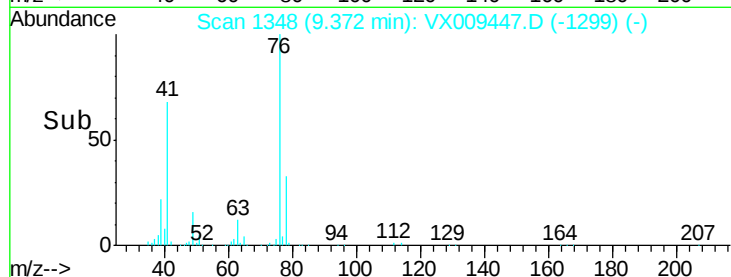
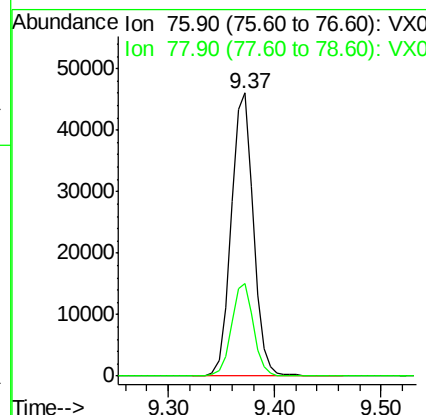
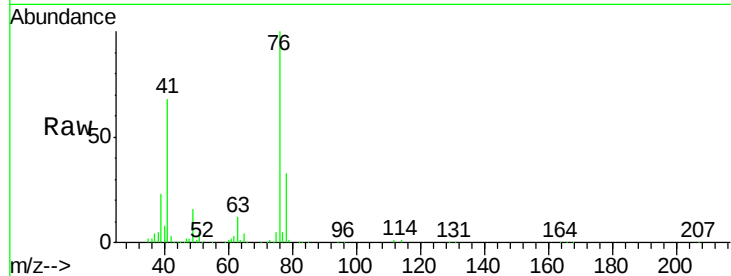
#57
 1,3-Dichloropropane
 Concen: 20.863 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3

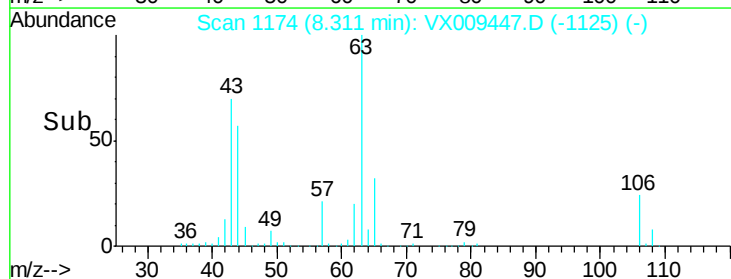
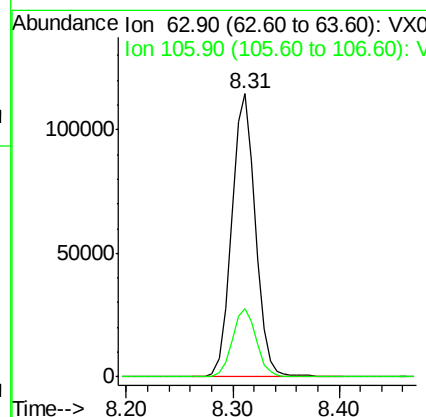
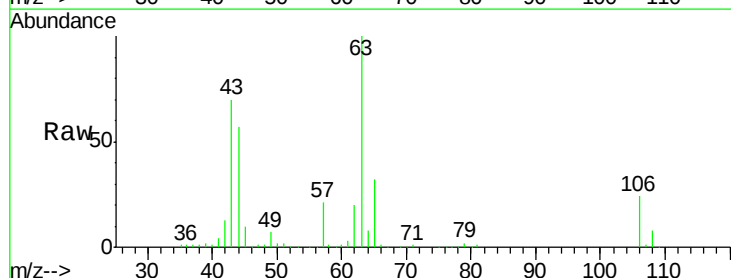
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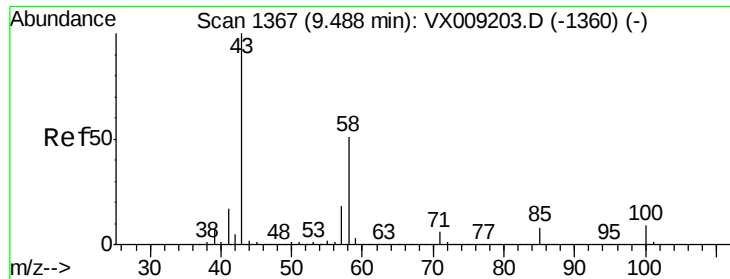
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 102.976 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.6	19.7	29.5





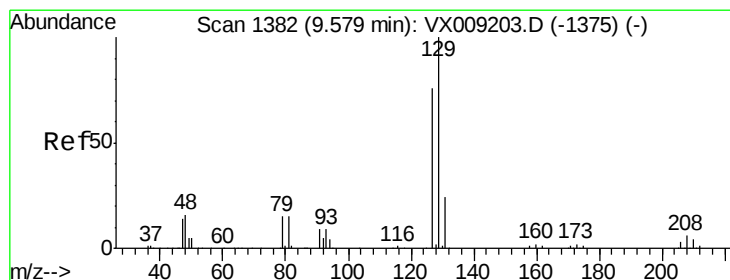
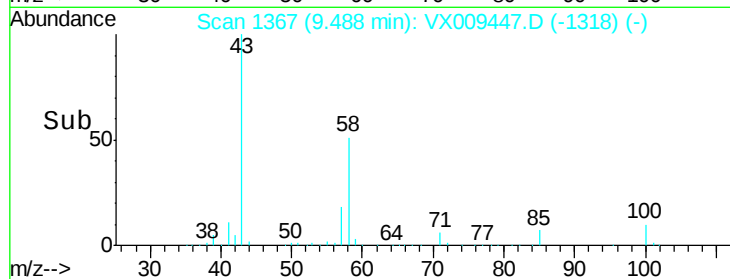
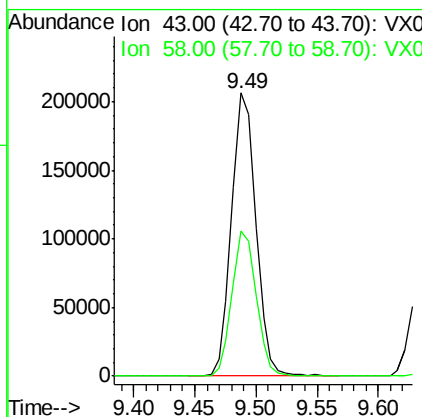
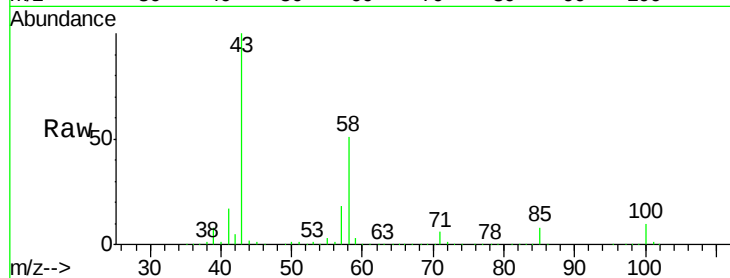
#59
 2-Hexanone
 Concen: 103.659 ug/l
 RT: 9.49 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD02

Tot Ion: 43 Resp: 283343
 Ion Ratio Lower Upper
 43 100
 58 51.3 25.9 77.7

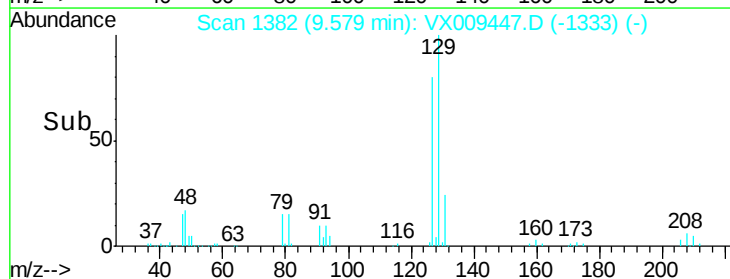
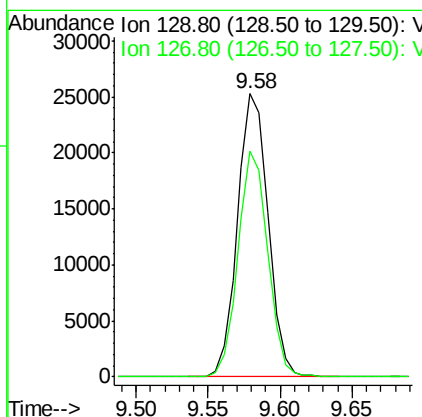
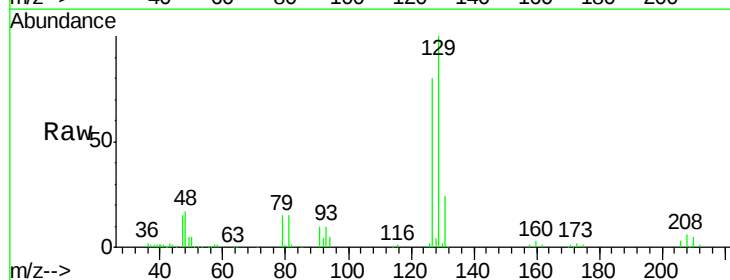
Manual Integrations
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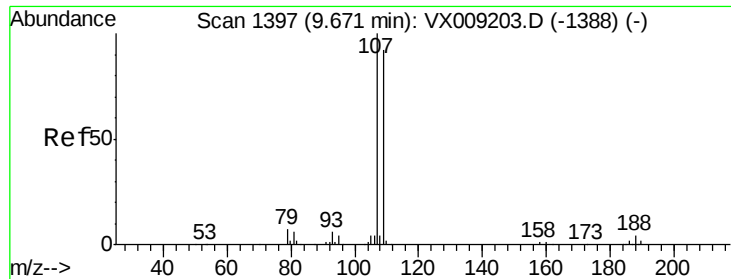
MMDadoda
 5/10/2019 1:12:49 PM



#60
 Dibromochloromethane
 Concen: 20.834 ug/l
 RT: 9.58 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Tgt Ion:129 Resp: 37313
 Ion Ratio Lower Upper
 129 100
 127 77.6 38.4 115.1





#61

1,2-Dibromoethane

Concen: 21.186 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion:107 Resp: 39216

Ion Ratio Lower Upper

107 100

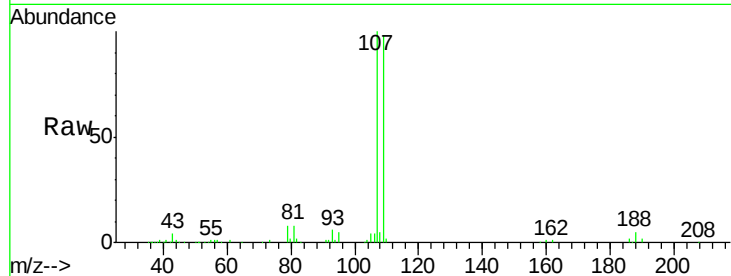
109 94.6 75.2 112.8

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5/10/2019 1:12:49 PM

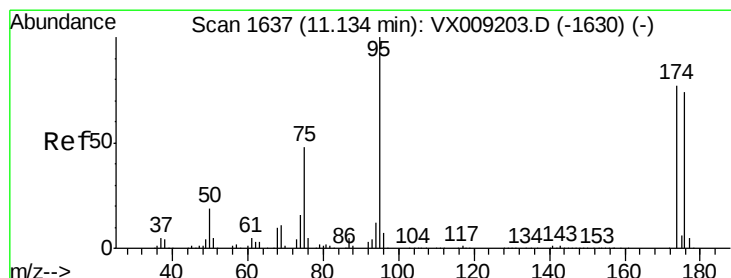
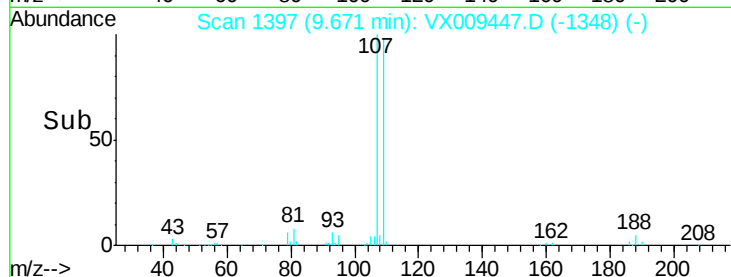


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

Time-->



#62

4-Bromofluorobenzene

Concen: 50.242 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

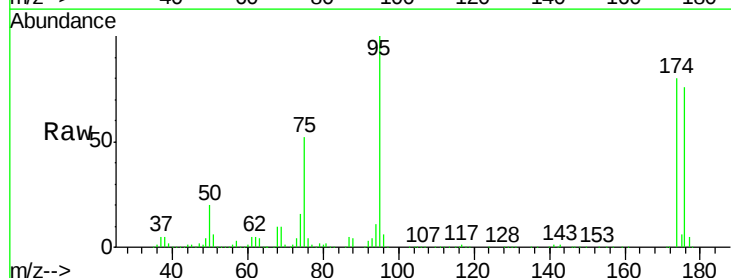
Tgt Ion: 95 Resp: 119121

Ion Ratio Lower Upper

95 100

174 82.1 0.0 161.6

176 80.3 0.0 159.2



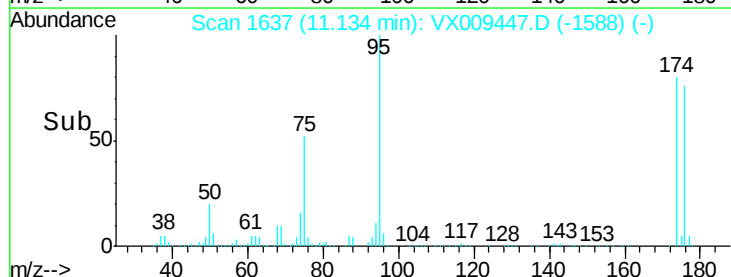
Abundance Ion 94.90 (94.60 to 95.60): VX0

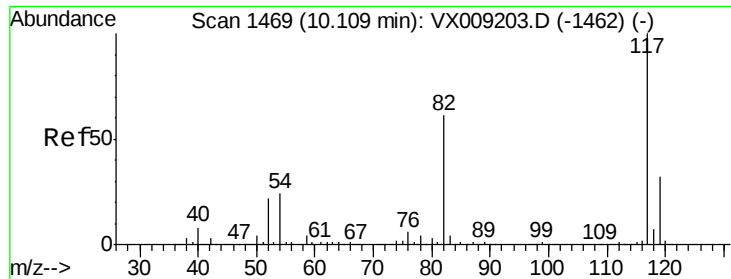
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

Time-->





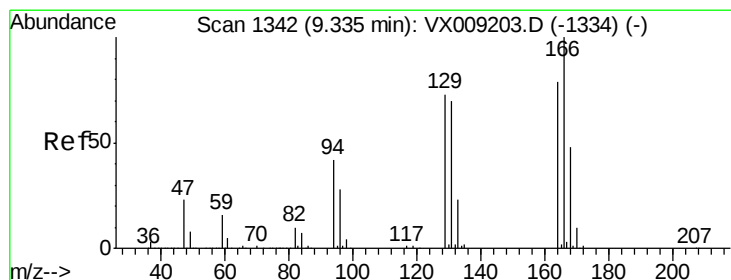
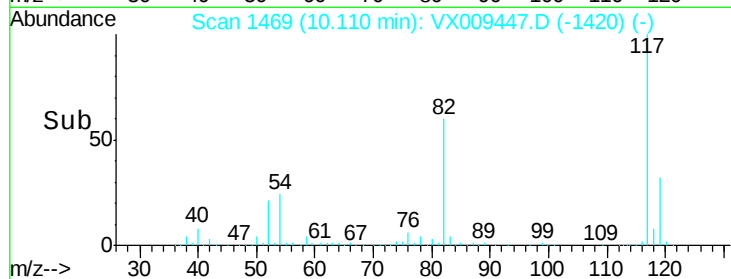
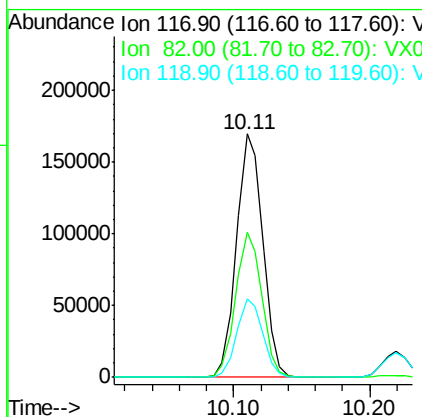
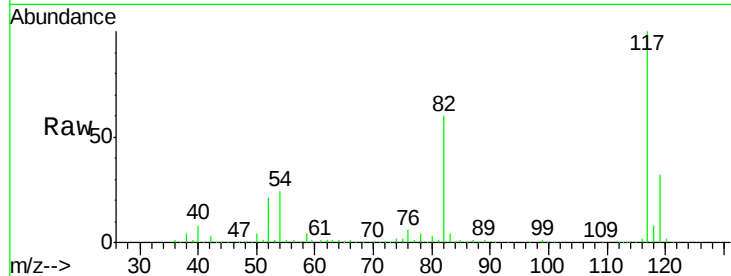
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.7	48.8	73.2
119	32.5	25.8	38.6

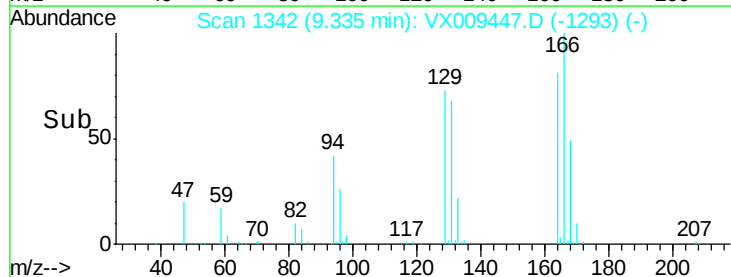
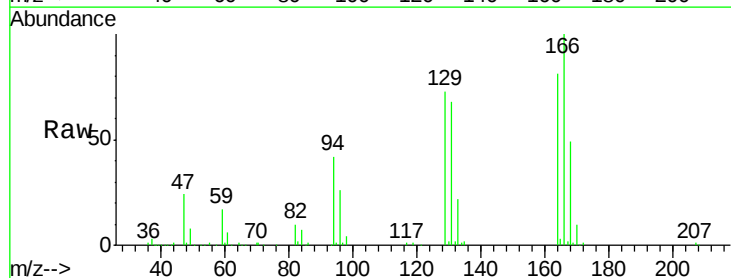
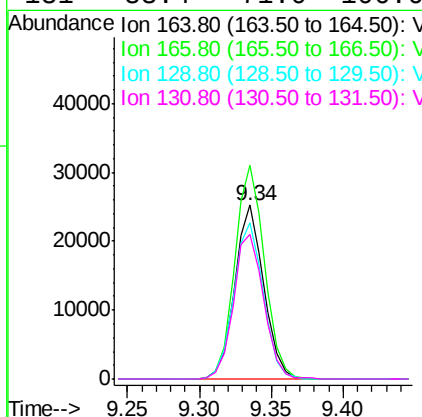
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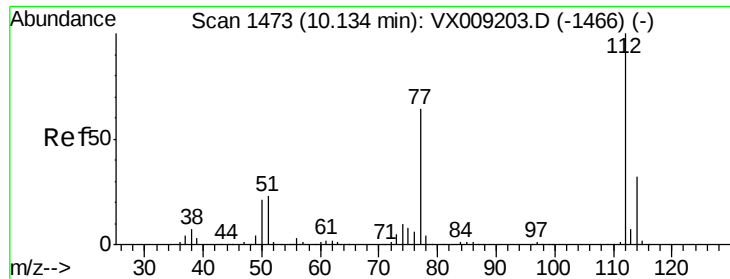
MMDadoda
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#64
Tetrachloroethene
Concen: 22.591 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.0	101.2	151.8
129	89.7	74.3	111.5
131	83.4	71.0	106.6





#65

Chlorobenzene

Concen: 21.718 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion:112 Resp: 99180

Ion Ratio Lower Upper

112 100

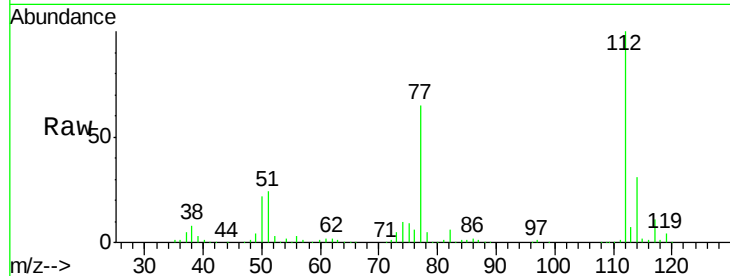
114 31.2 25.5 38.3

Manual Integrations

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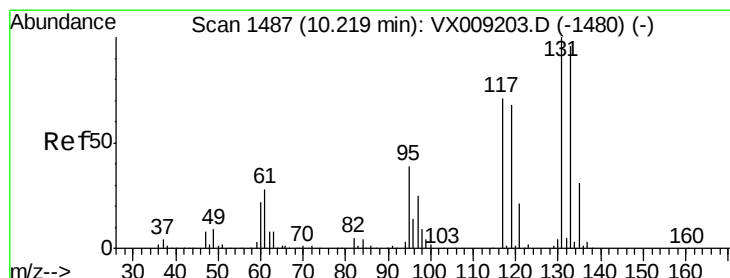
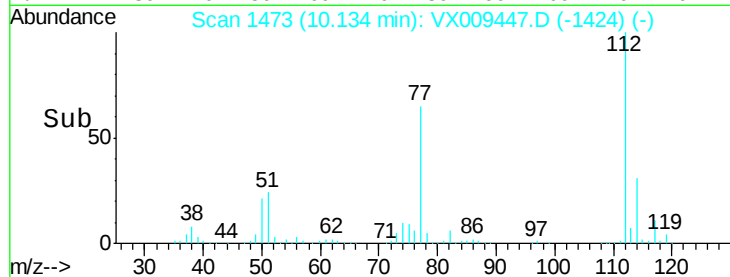
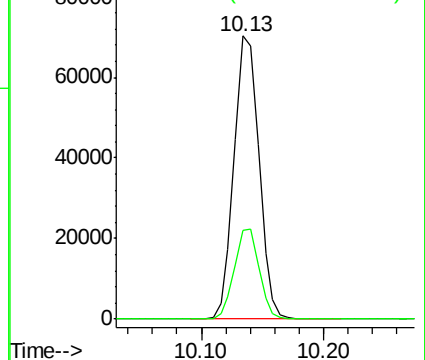
MMDadoda

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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: 21.077 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

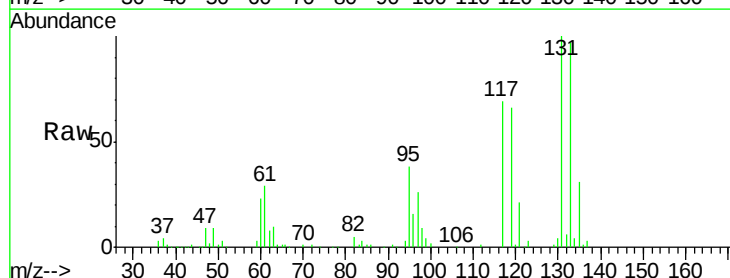
Tgt Ion:131 Resp: 34895

Ion Ratio Lower Upper

131 100

133 98.3 47.7 143.1

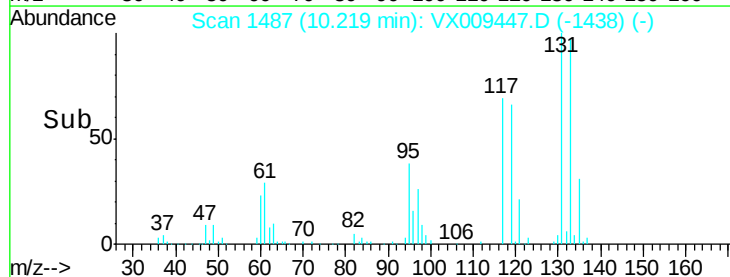
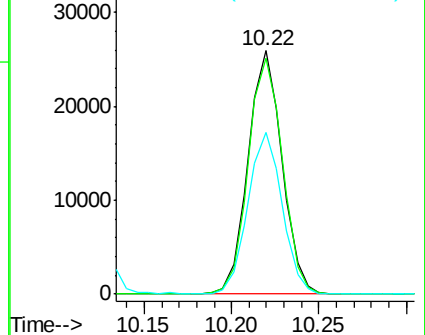
119 67.4 33.5 100.4

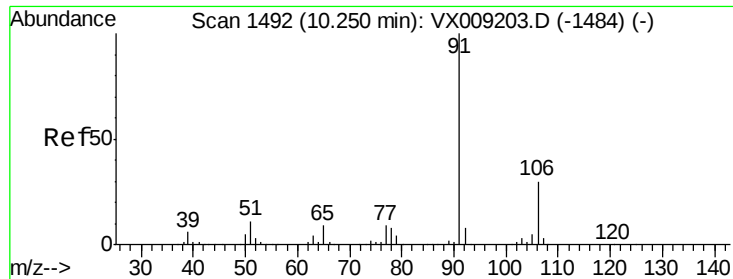


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





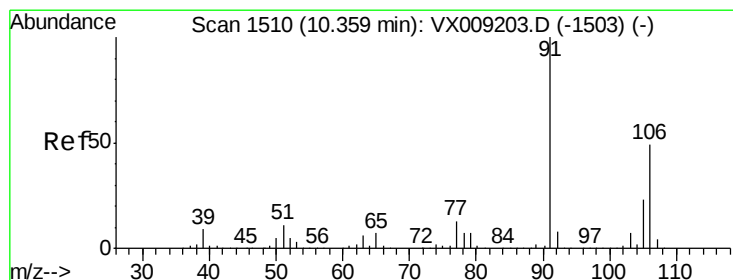
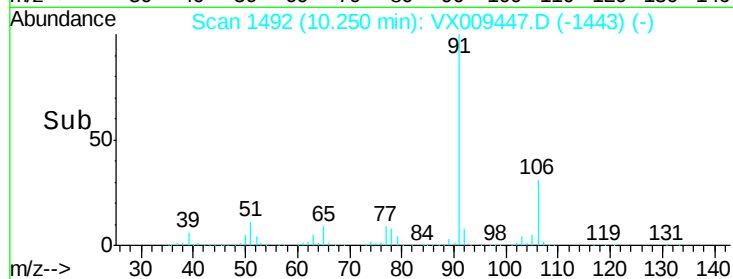
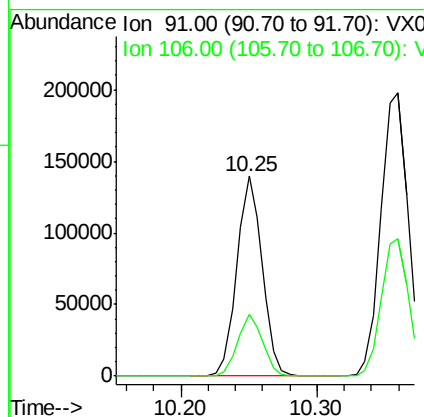
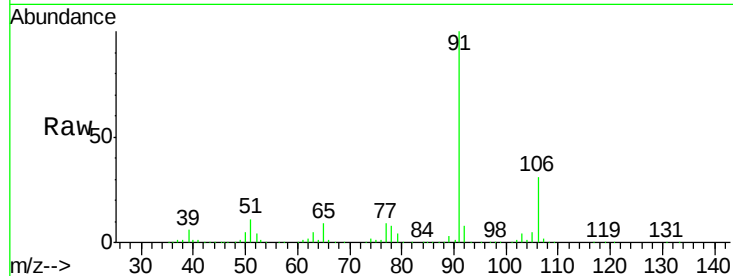
#67
Ethyl Benzene
Concen: 21.520 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

Tot Ion: 91 Resp: 180867
Ion Ratio Lower Upper
91 100
106 31.3 24.0 36.0

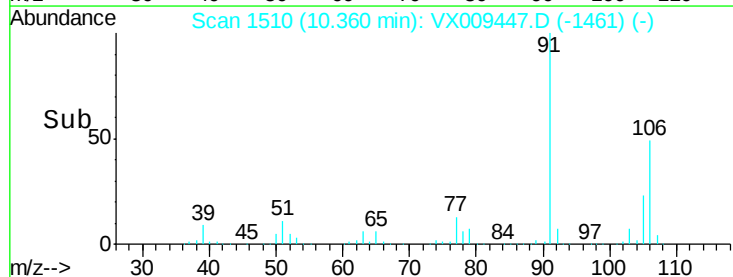
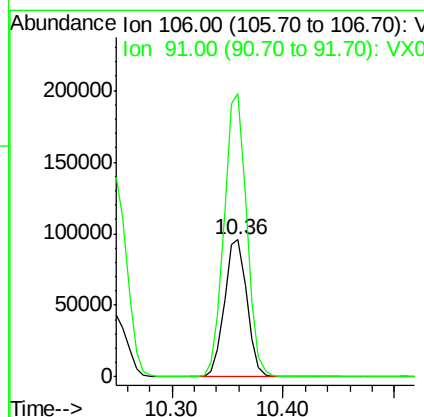
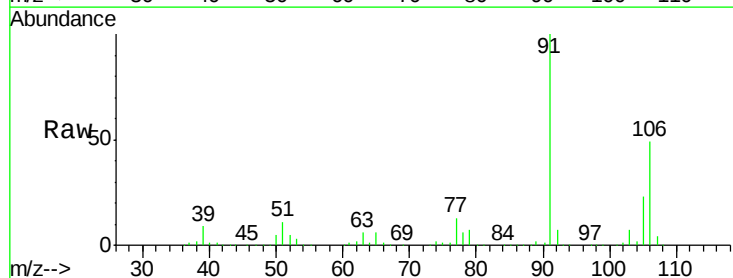
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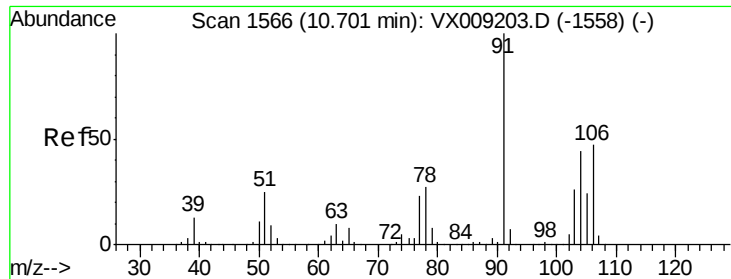
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#68
m/p-Xylenes
Concen: 43.680 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tgt Ion: 106 Resp: 134151
Ion Ratio Lower Upper
106 100
91 207.3 164.0 246.0





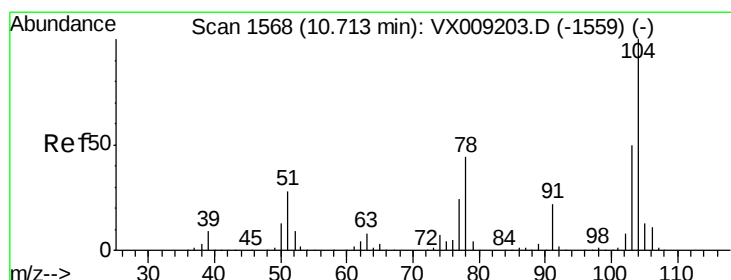
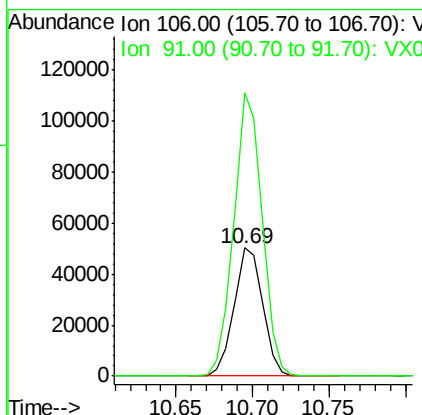
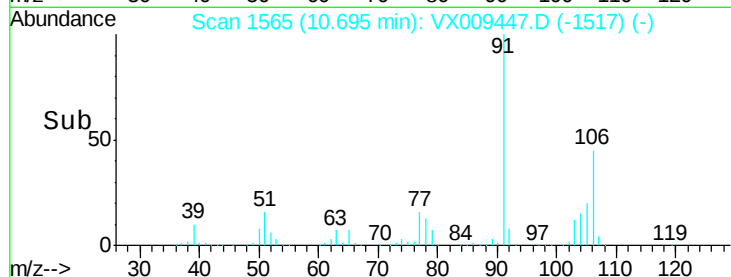
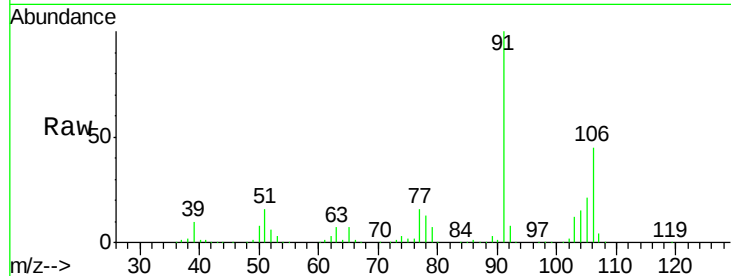
#69
o-Xylene
Concen: 21.573 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

Tot Ion:106 Resp: 65370
Ion Ratio Lower Upper
106 100
91 219.2 109.5 328.4

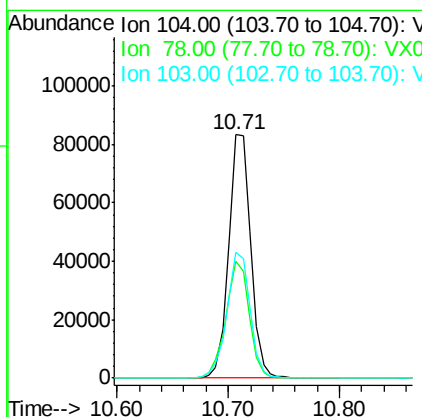
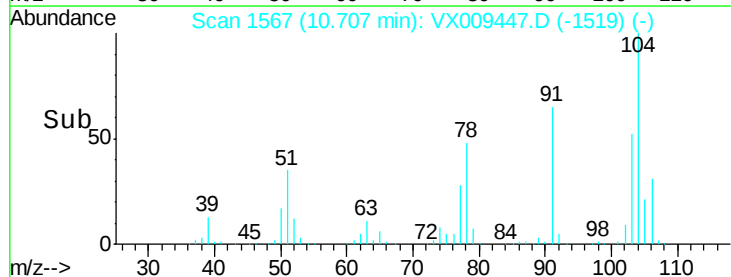
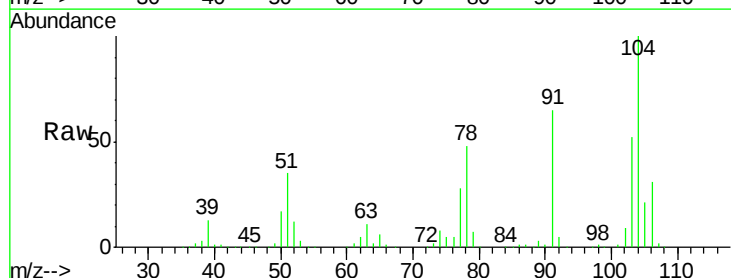
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#70
Styrene
Concen: 21.659 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tgt Ion:104 Resp: 114074
Ion Ratio Lower Upper
104 100
78 51.2 41.0 61.4
103 54.4 43.8 65.6





#71

Bromoform

Concen: 20.294 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion:173 Resp: 27304

Ion Ratio Lower Upper

173 100

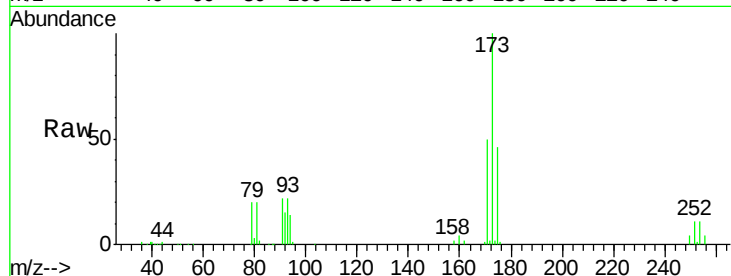
175 48.6 24.5 73.5

254 0.0 0.1 0.1#

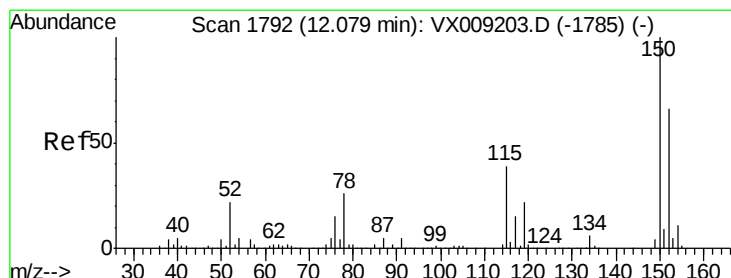
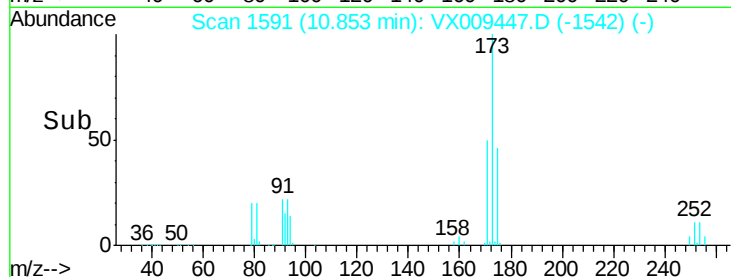
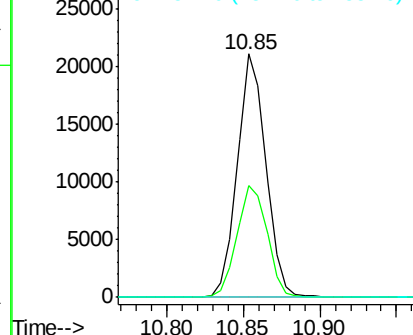
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

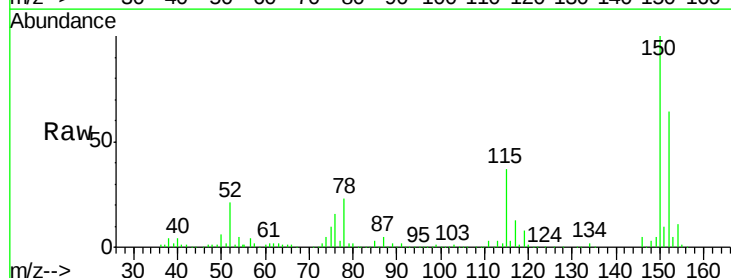
Tgt Ion:152 Resp: 112228

Ion Ratio Lower Upper

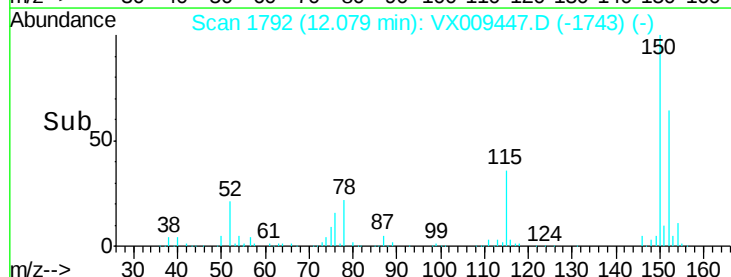
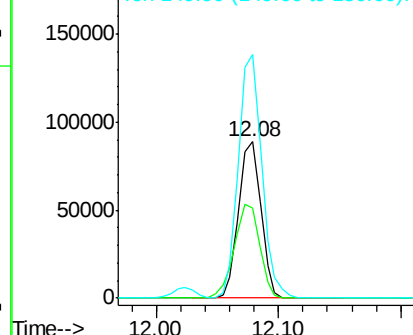
152 100

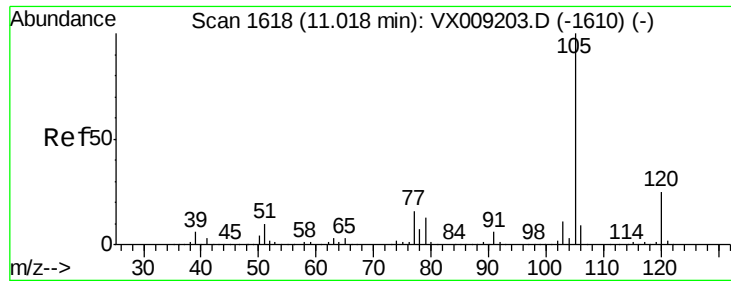
115 67.5 41.2 123.6

150 162.8 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: 21.244 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion: 105 Resp: 173370

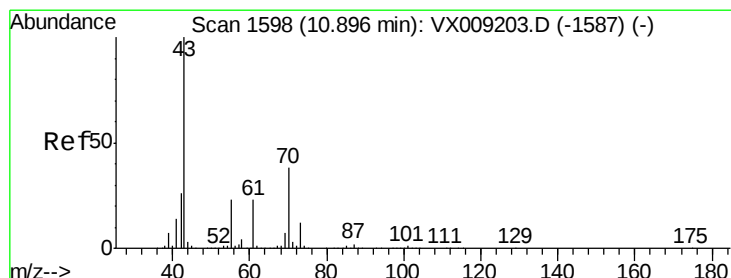
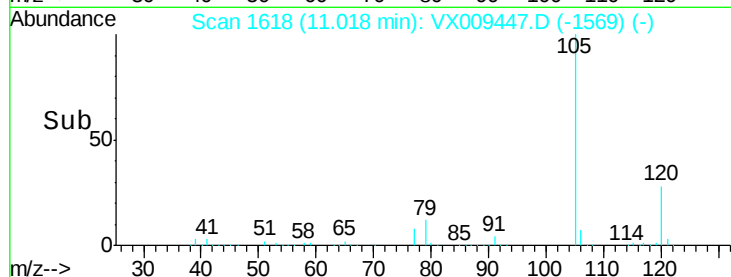
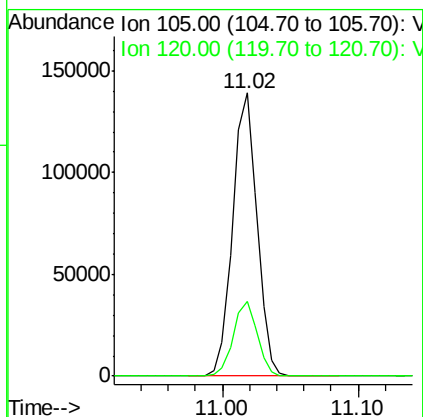
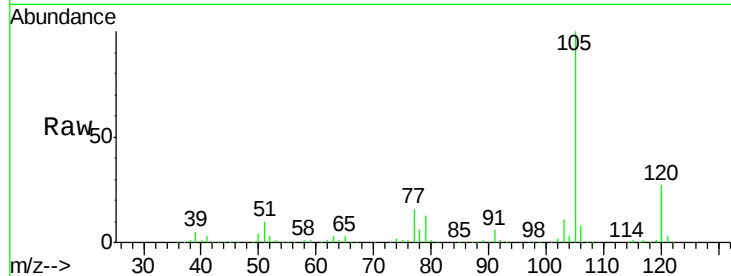
Ion Ratio Lower Upper

105 100

120 26.2 12.8 38.3

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#74

N-ethyl acetate

Concen: 20.328 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Tgt Ion: 43 Resp: 96720

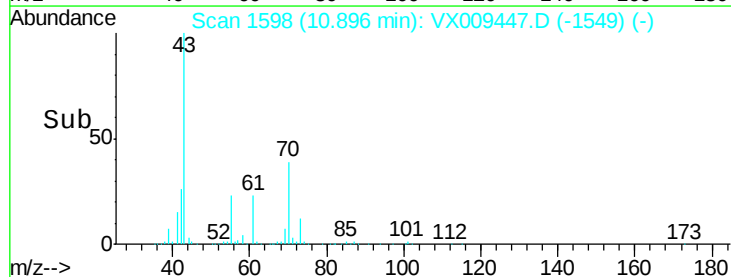
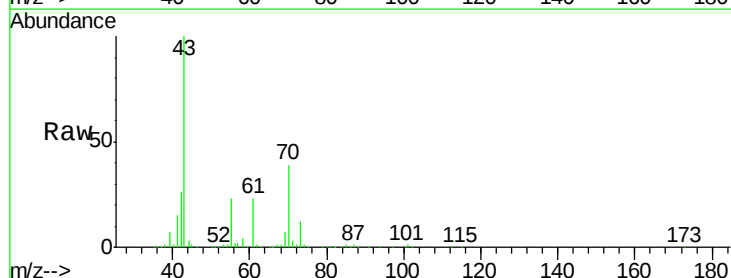
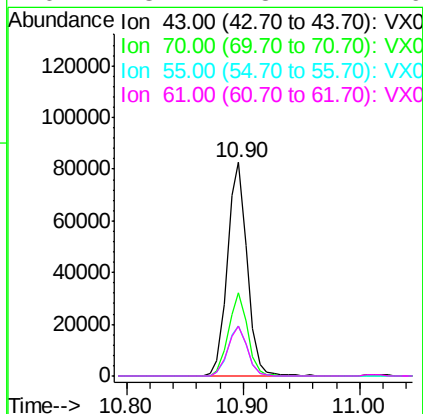
Ion Ratio Lower Upper

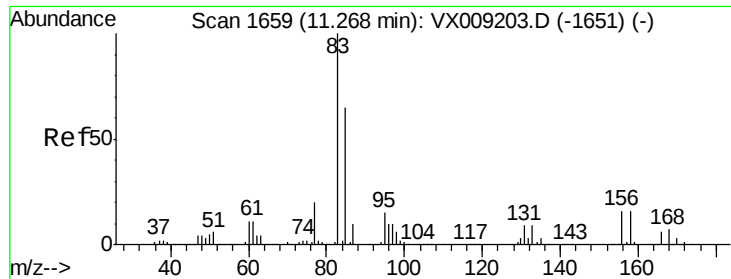
43 100

70 38.1 30.0 45.0

55 23.5 17.9 26.9

61 23.2 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.645 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

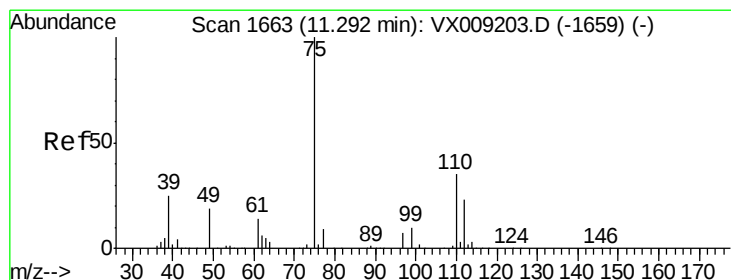
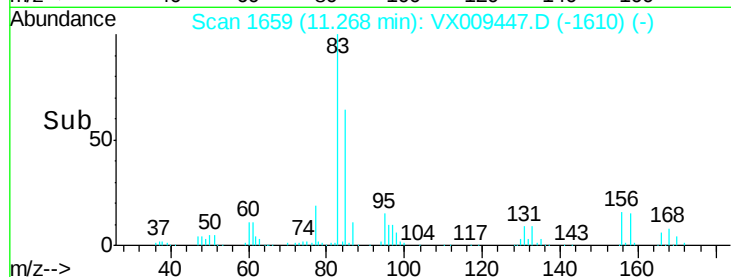
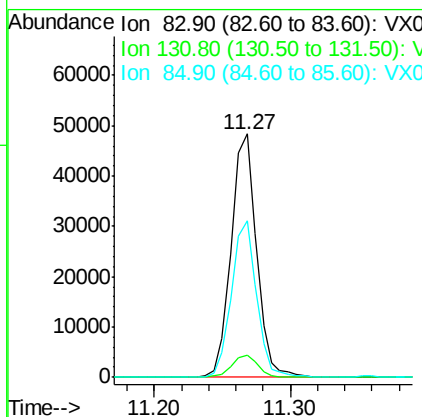
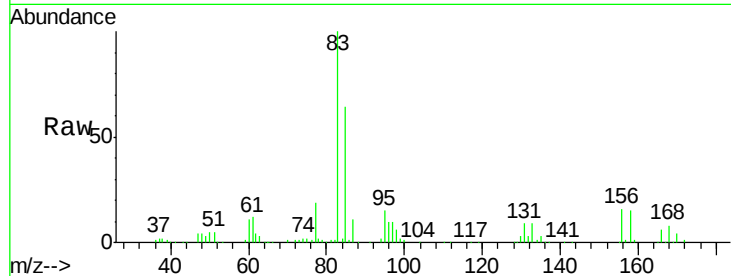
ClientSampleId :

VX0509WBSD02

Tot Ion:	83	Resp:	62808
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.6	13.8
85	64.1	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 20.993 ug/l m

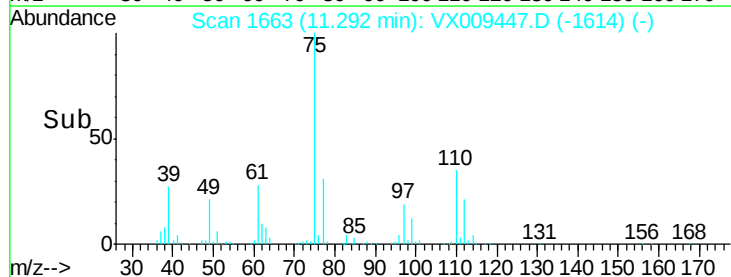
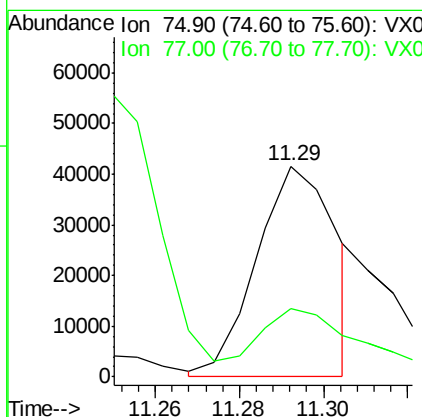
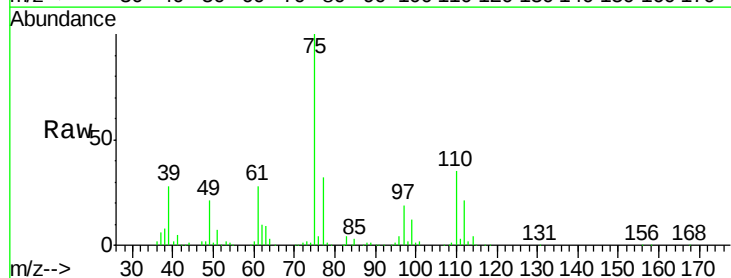
RT: 11.29 min Scan# 1663

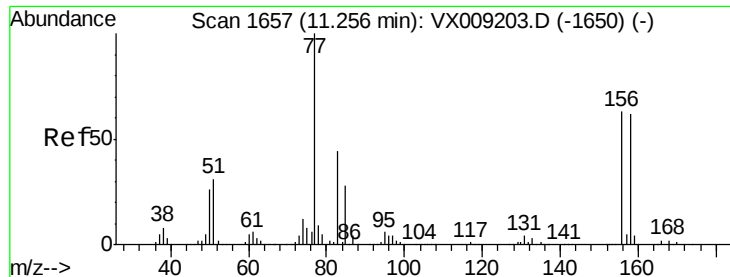
Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Tgt Ion:	75	Resp:	54651
Ion Ratio	Lower	Upper	
75	100		
77	42.1	22.1	66.1





#77

Bromobenzene

Concen: 21.106 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion:156 Resp: 42752

Ion Ratio Lower Upper

156 100

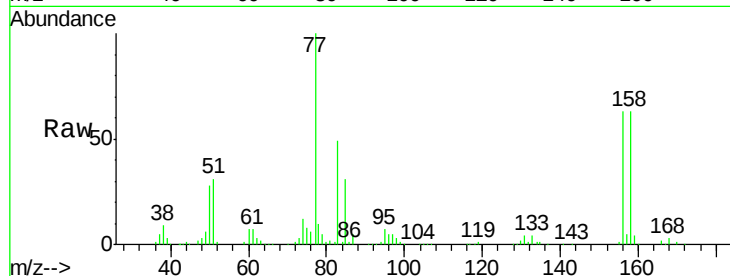
77 170.7 84.8 254.3

158 99.2 49.1 147.3

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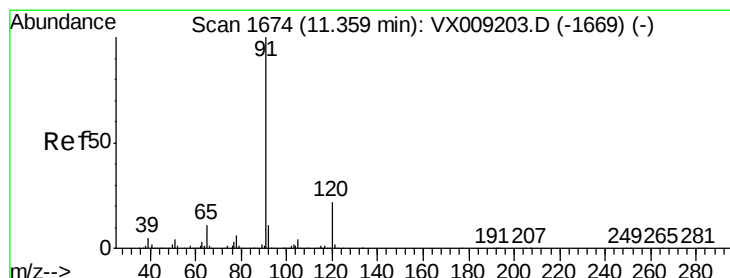
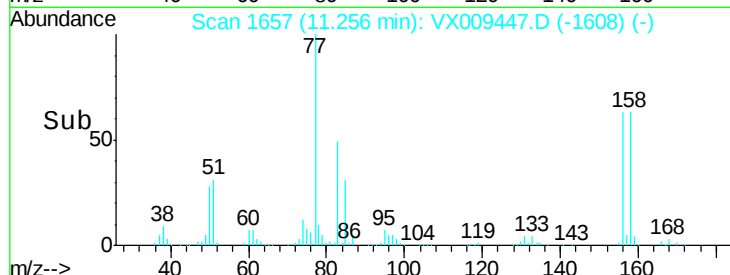
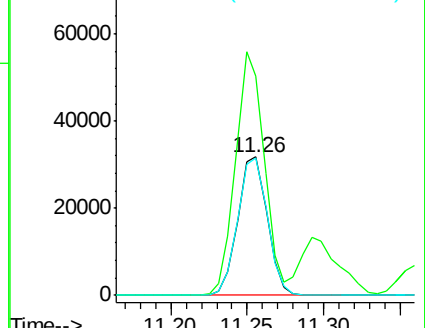
5/10/2019 1:12:49 PM



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: 21.088 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009447.D

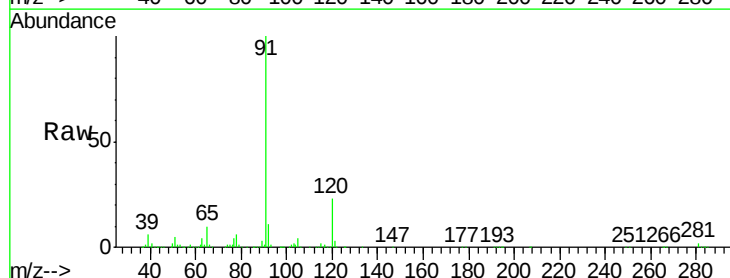
Acq: 09 May 2019 23:34

Tgt Ion: 91 Resp: 196545

Ion Ratio Lower Upper

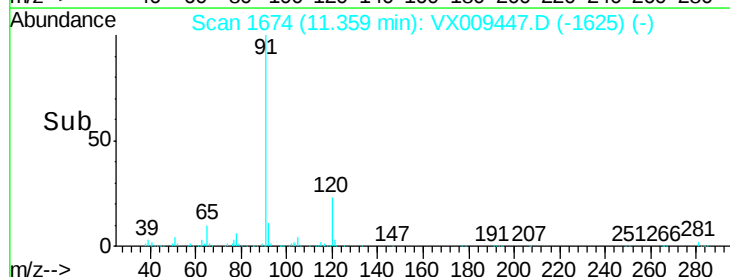
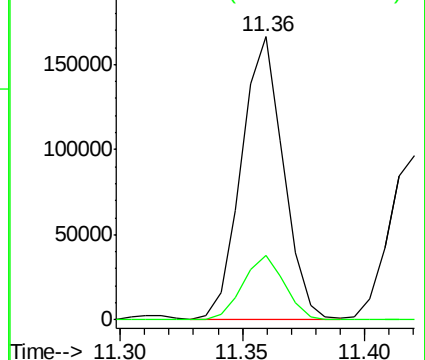
91 100

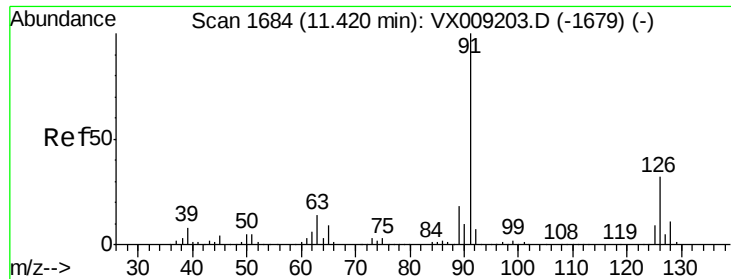
120 22.8 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.960 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion: 91 Resp: 120526

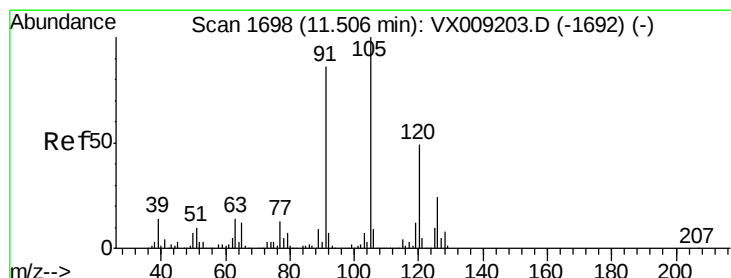
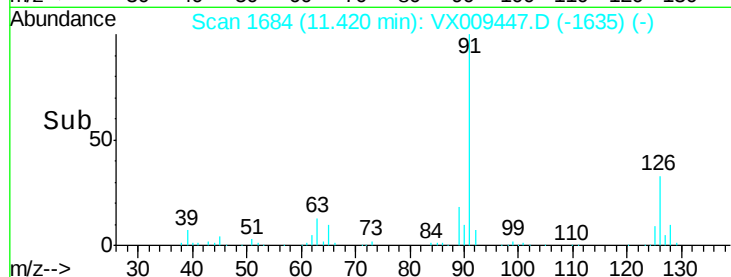
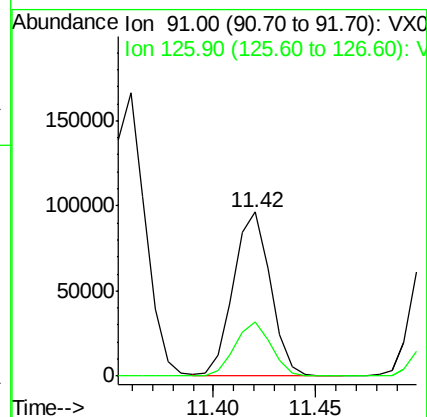
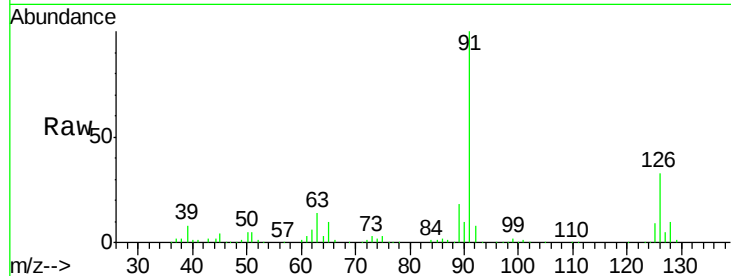
Ion Ratio Lower Upper

91 100

126 32.3 16.3 48.9

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 21.322 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009447.D

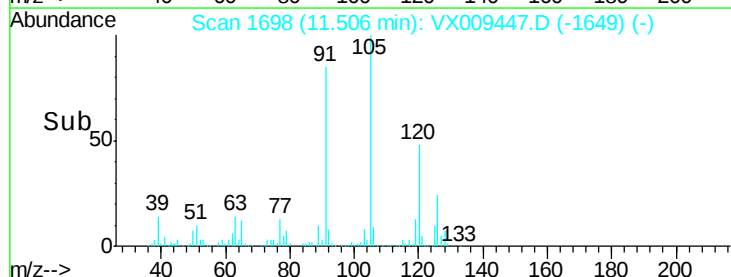
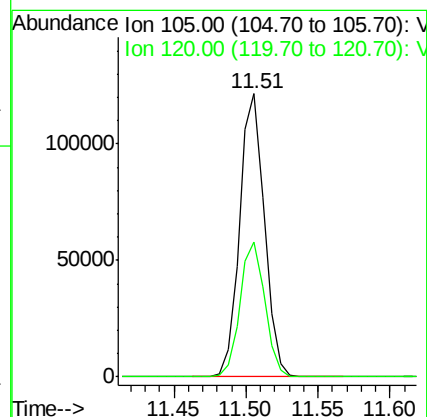
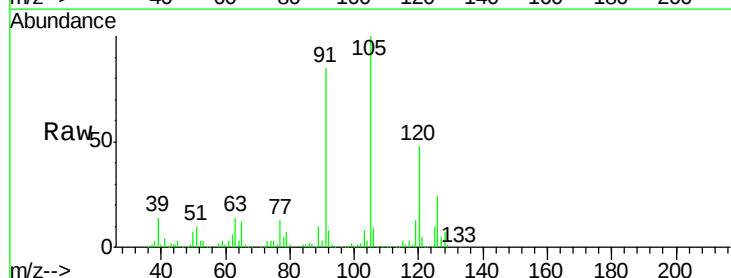
Acq: 09 May 2019 23:34

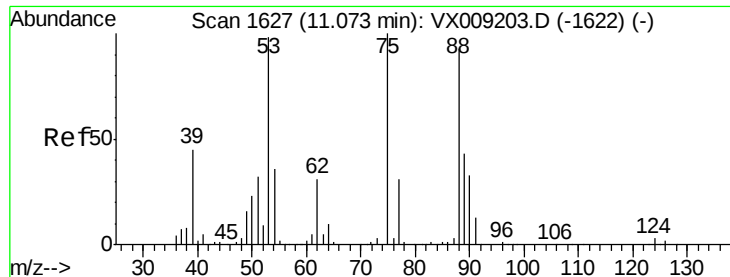
Tgt Ion: 105 Resp: 146515

Ion Ratio Lower Upper

105 100

120 47.9 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 18.296 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion: 75 Resp: 18615

Ion Ratio Lower Upper

75 100

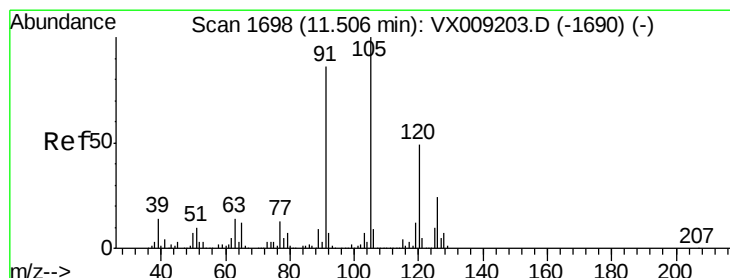
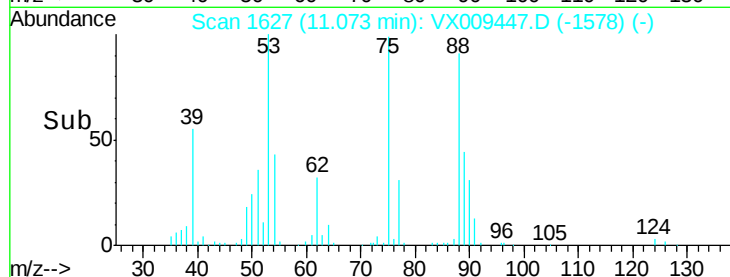
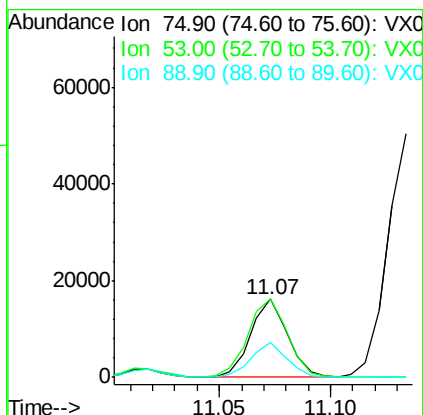
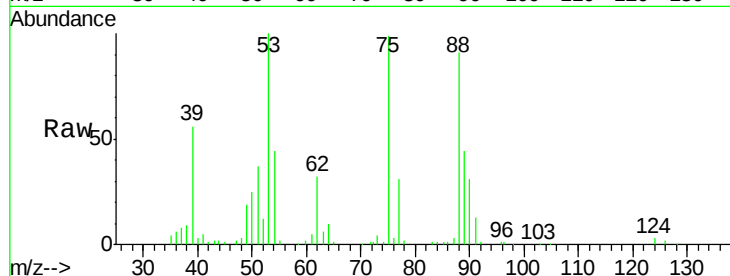
53 107.7 79.0 118.6

89 44.1 34.7 52.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.948 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009447.D

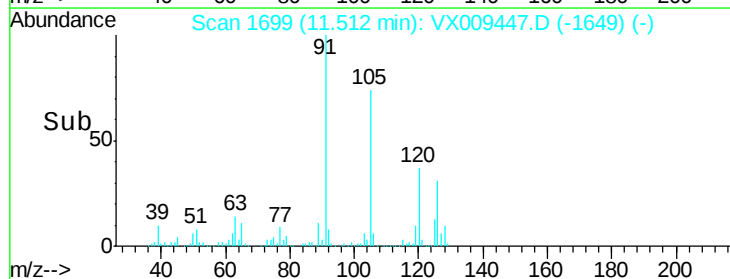
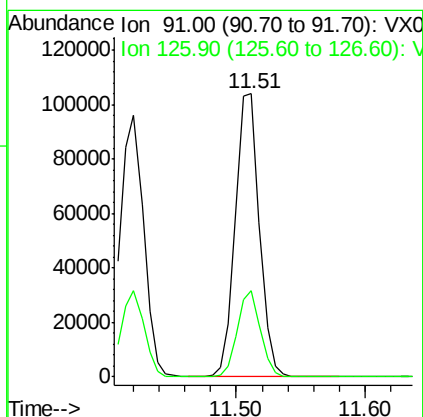
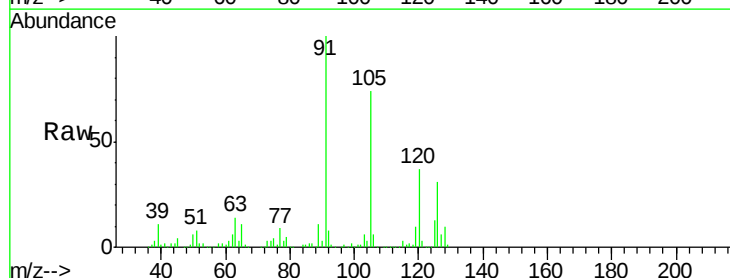
Acq: 09 May 2019 23:34

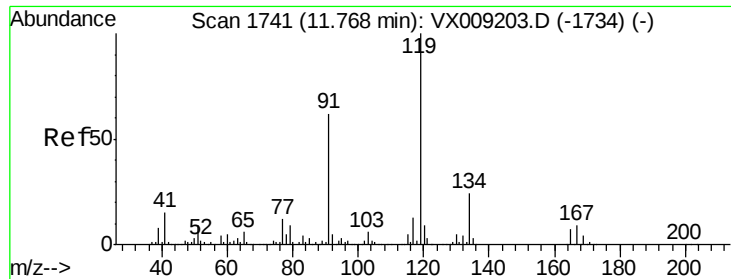
Tgt Ion: 91 Resp: 136082

Ion Ratio Lower Upper

91 100

126 29.0 14.5 43.6





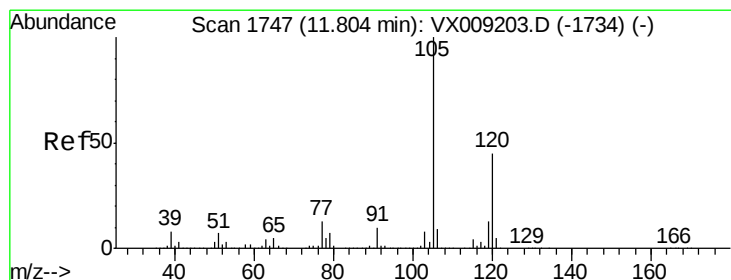
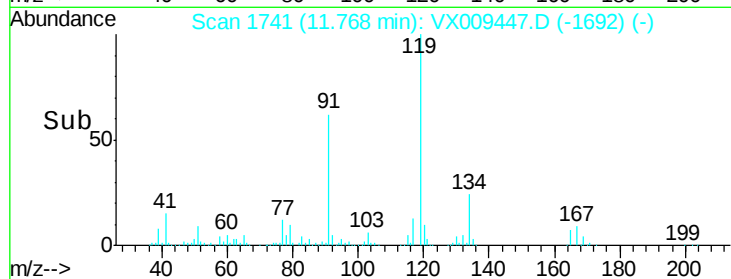
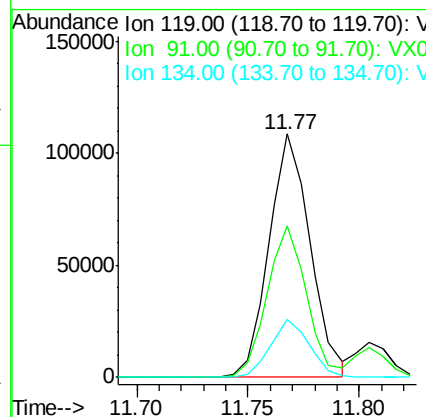
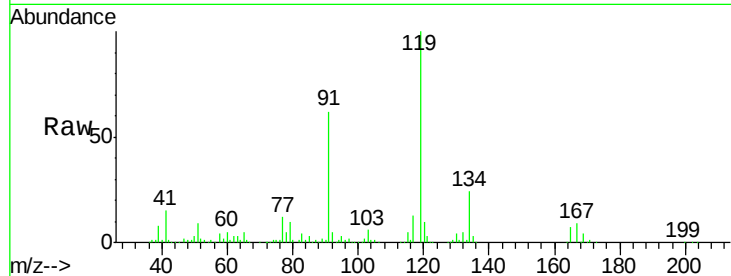
#83
 tert-Butylbenzene
 Concen: 20.877 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	139554		
91	59.7	29.5	88.5	
134	22.5	11.4	34.1	

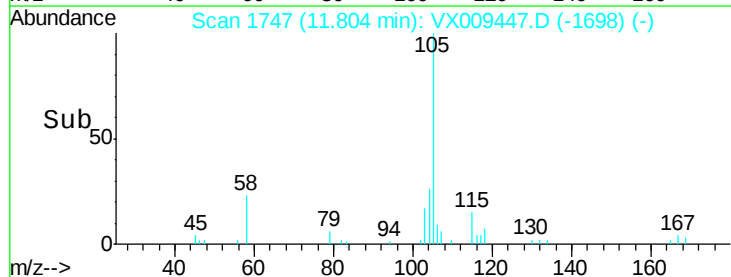
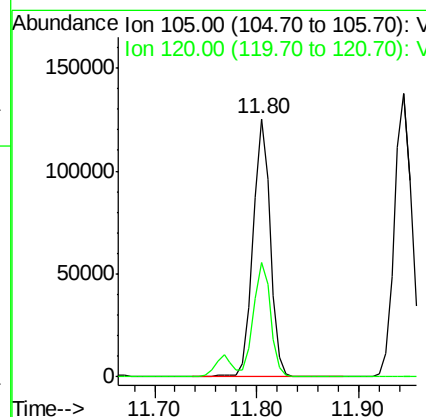
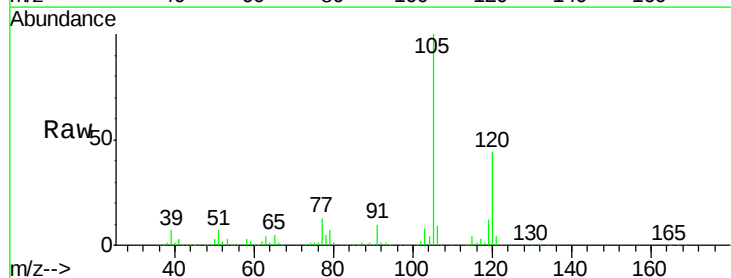
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.431 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	147819		
120	44.8	22.0	66.0	





#85

sec-Butylbenzene

Concen: 20.823 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

VX0509WBSD02

Tot Ion:105 Resp: 165026

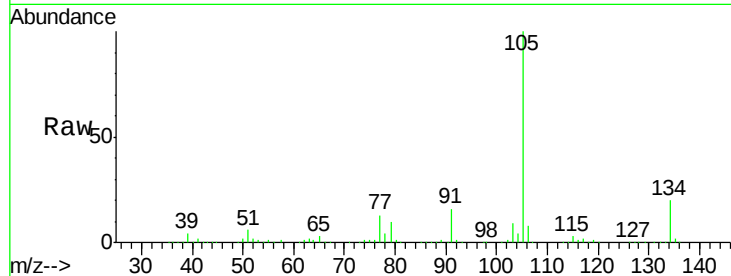
Ion Ratio Lower Upper

105 100

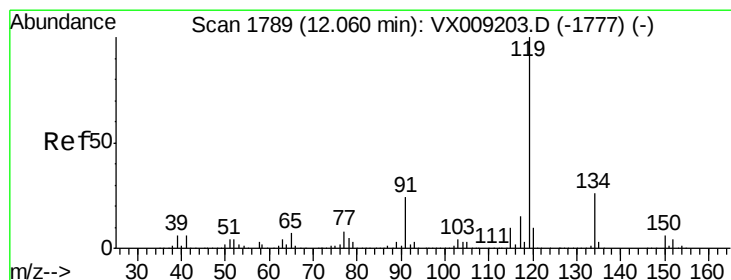
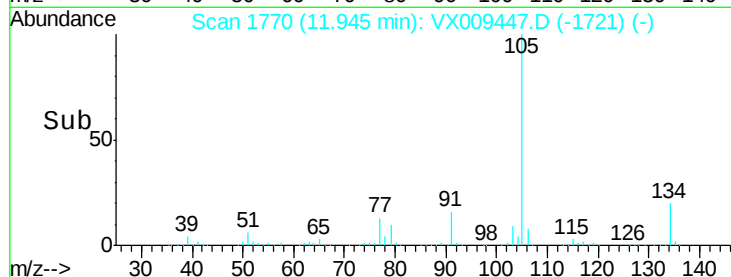
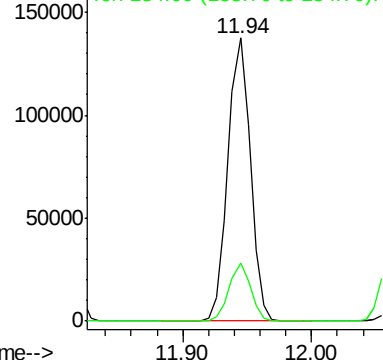
134 19.8 9.7 28.9

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.144 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

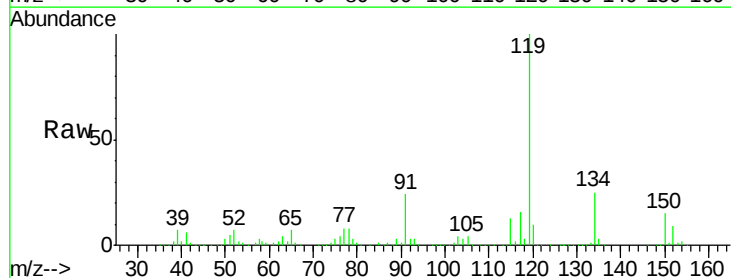
Tgt Ion:119 Resp: 150649

Ion Ratio Lower Upper

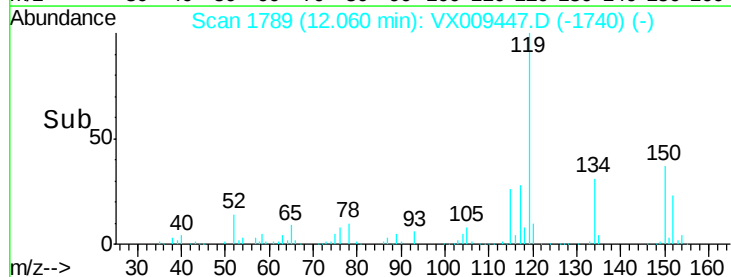
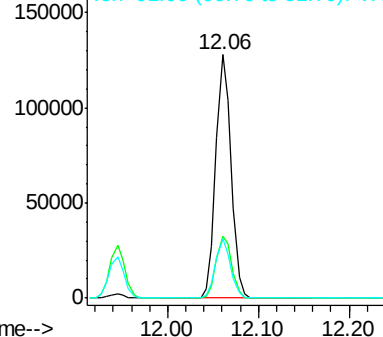
119 100

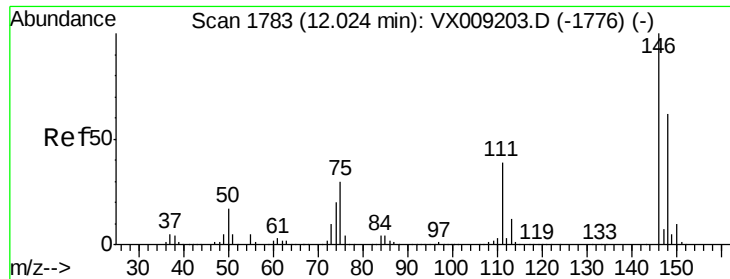
134 25.9 12.9 38.7

91 23.8 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V





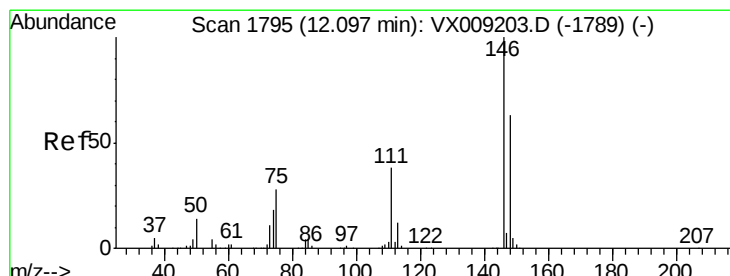
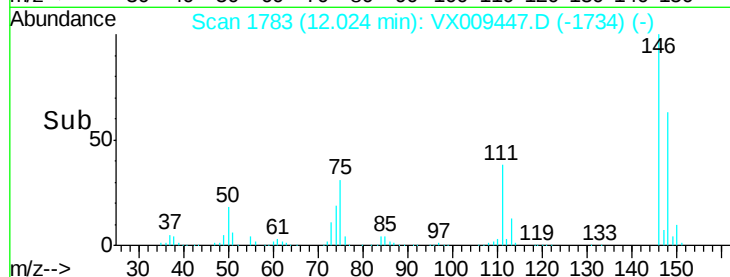
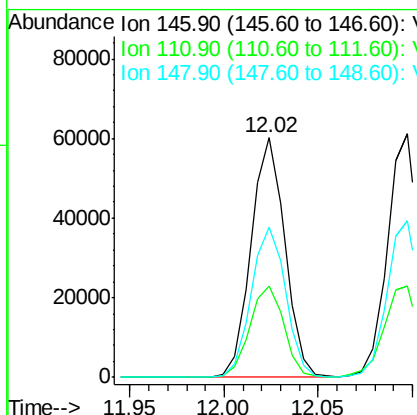
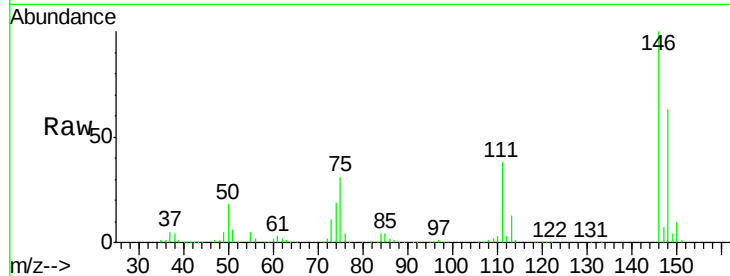
#87
 1,3-Dichlorobenzene
 Concen: 20.796 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.0	59.9
148	63.7	31.8	95.3

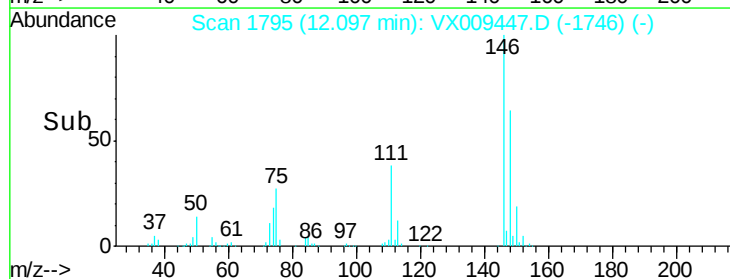
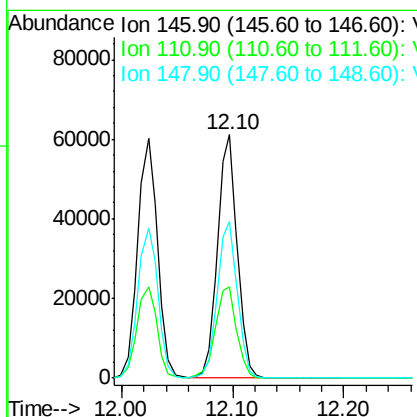
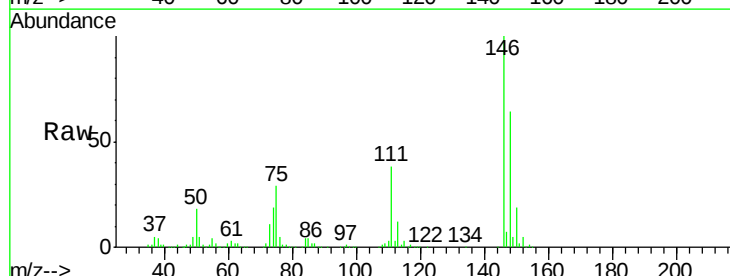
Manual Integrations
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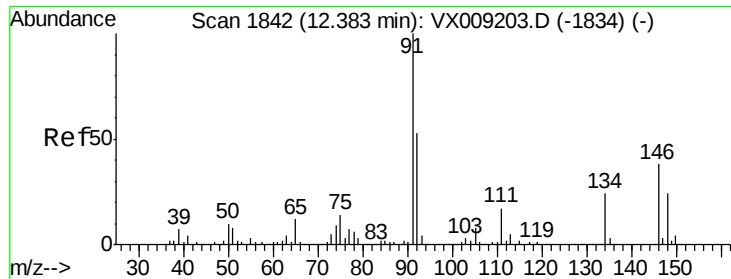
MMDadoda
 5/10/2019 1:12:49 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.558 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.6	58.8
148	65.3	31.8	95.3





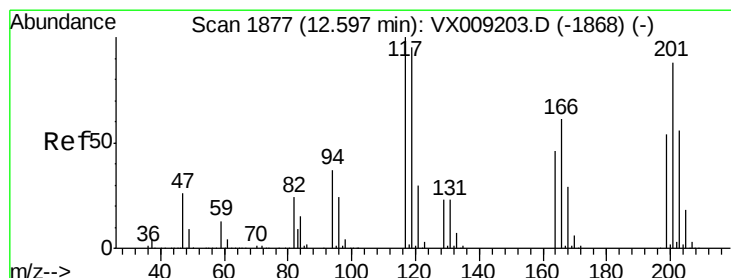
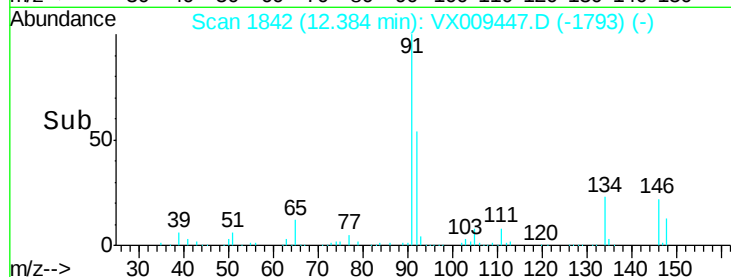
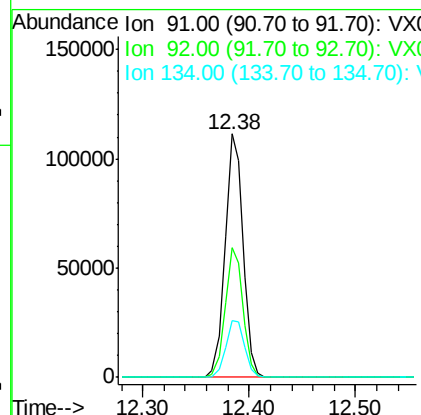
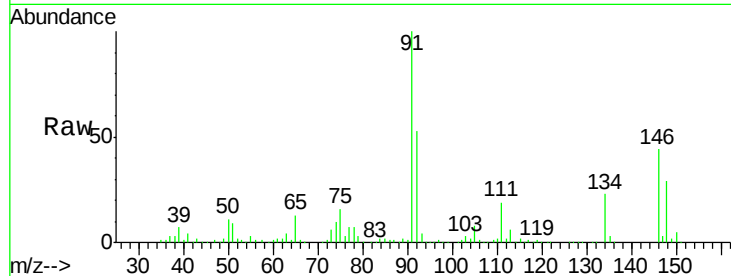
#89
n-Butylbenzene
Concen: 20.343 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.5	26.5	79.5	
134	24.6	12.4	37.2	

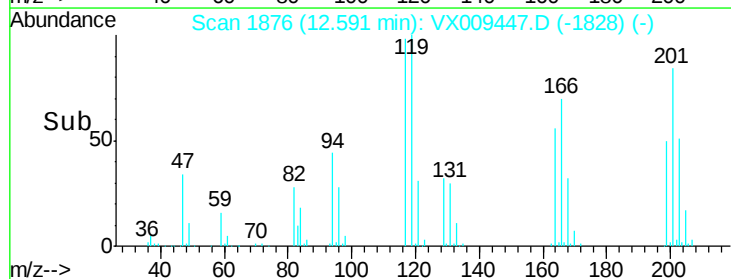
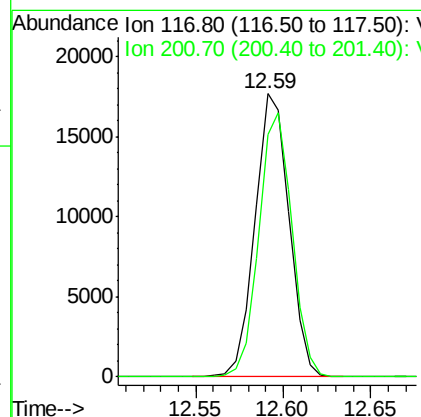
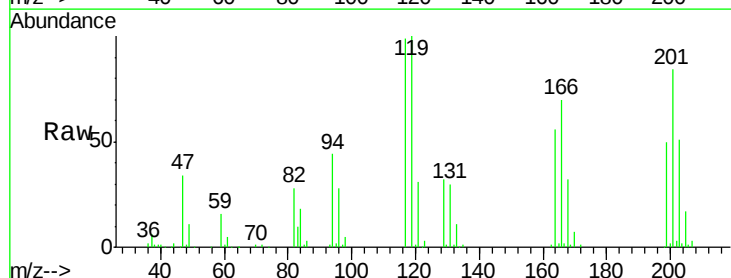
Manual Integrations
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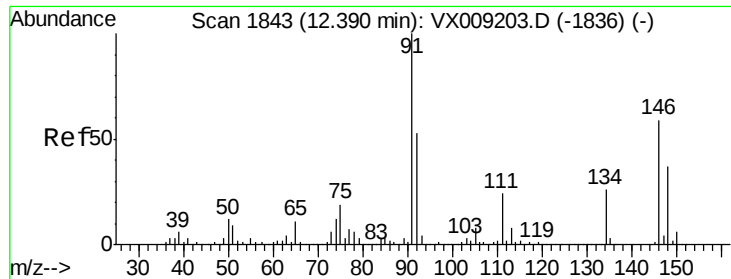
MMDadoda
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#90
Hexachloroethane
Concen: 19.661 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	90.7	42.3	126.9	





#91

1,2-Dichlorobenzene

Concen: 21.097 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

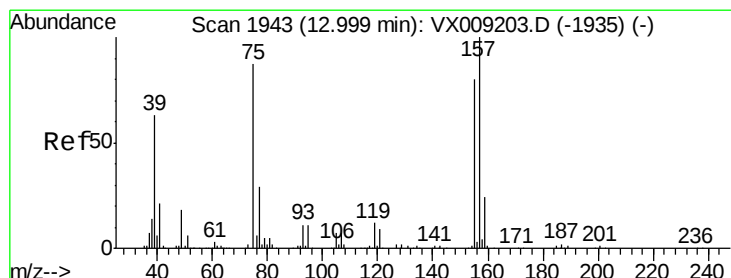
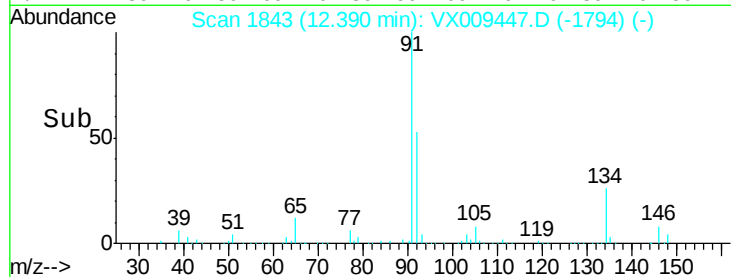
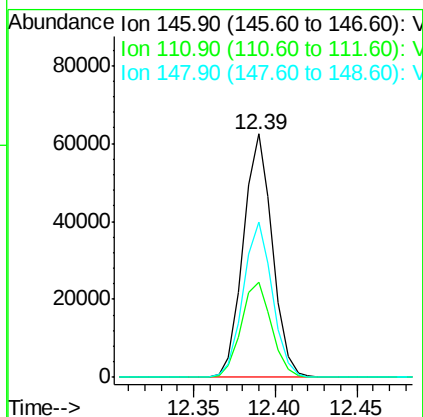
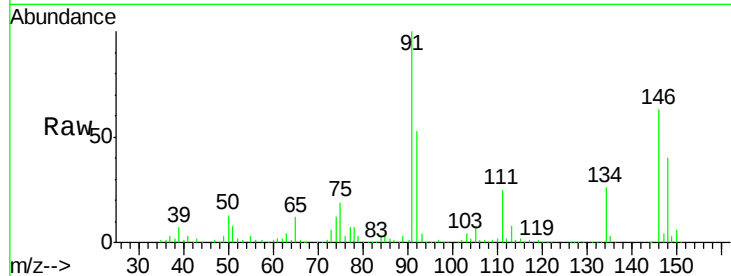
ClientSampleId :

VX0509WBSD02

Tot Ion:	146	Resp:	77594
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.8	62.4
148	64.0	31.9	95.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.321 ug/l

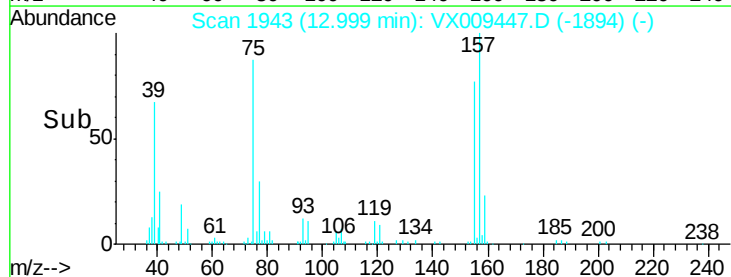
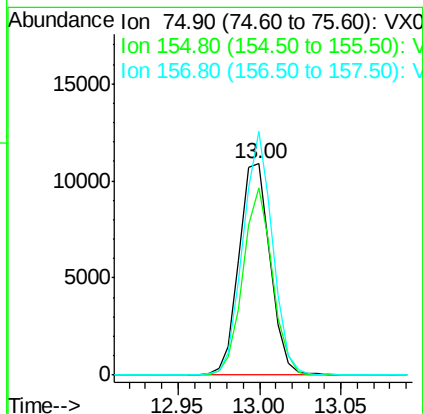
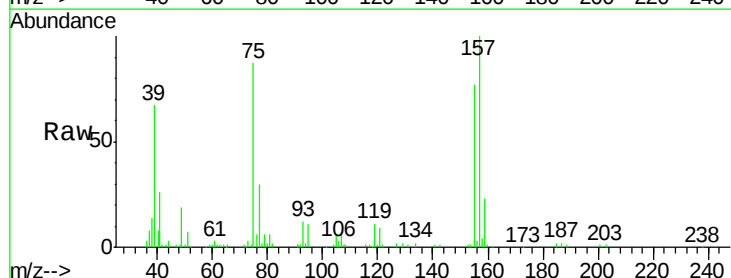
RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Tgt Ion:	75	Resp:	14551
Ion Ratio	Lower	Upper	
75	100		
155	83.2	42.0	126.0
157	108.6	53.2	159.6





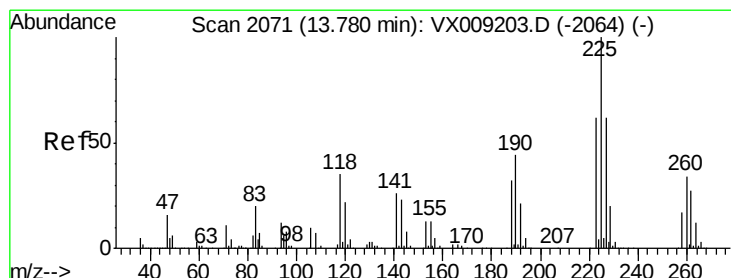
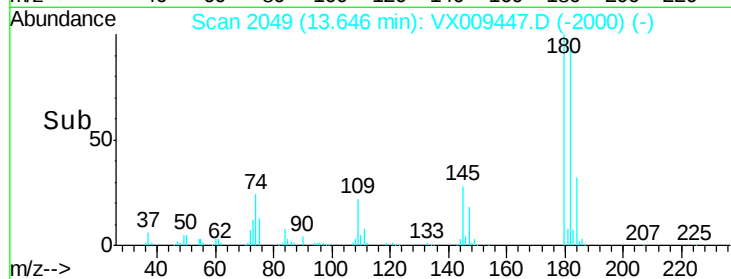
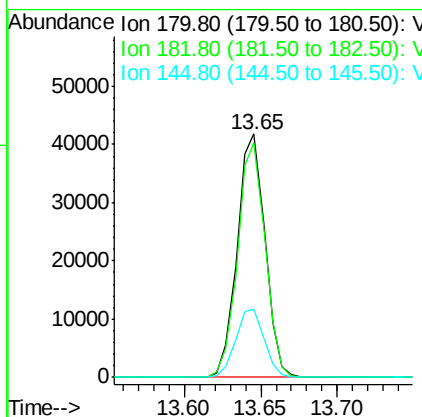
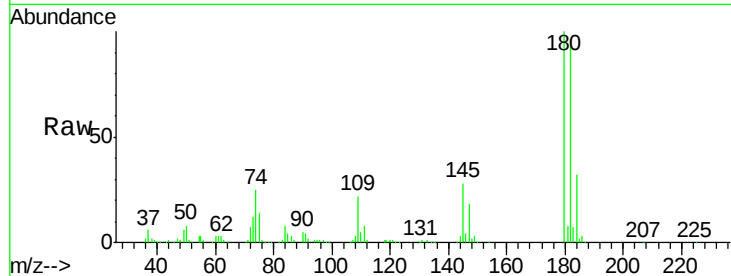
#93
 1,2,4-Trichlorobenzene
 Concen: 20.914 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.4	145.2
145	28.8	14.6	43.8

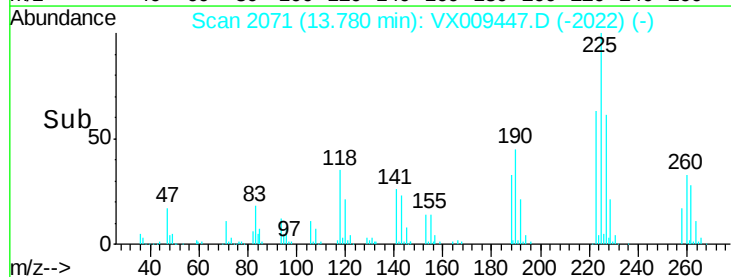
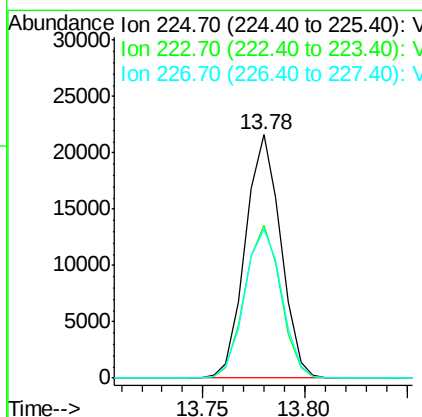
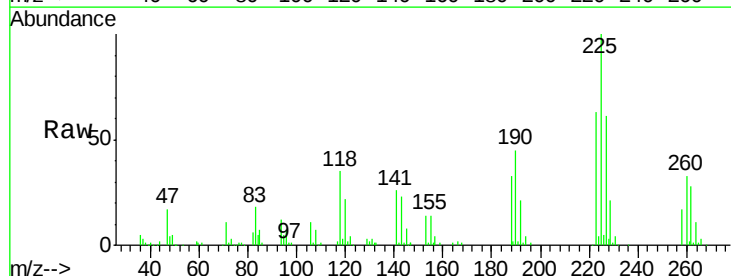
Manual Integrations
 APPROVED

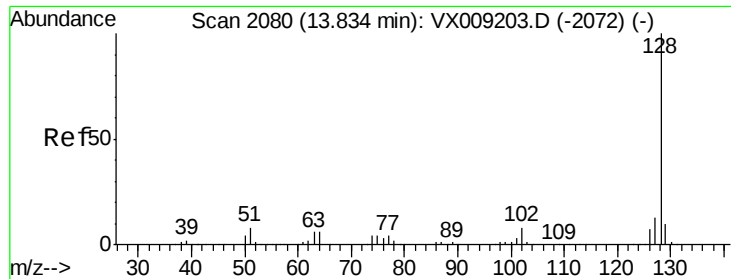
MMDadoda
 5/10/2019 1:12:49 PM



#94
 Hexachlorobutadiene
 Concen: 20.270 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.3	93.8
227	64.1	31.8	95.3





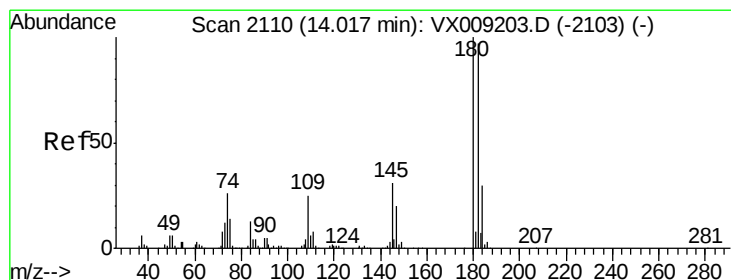
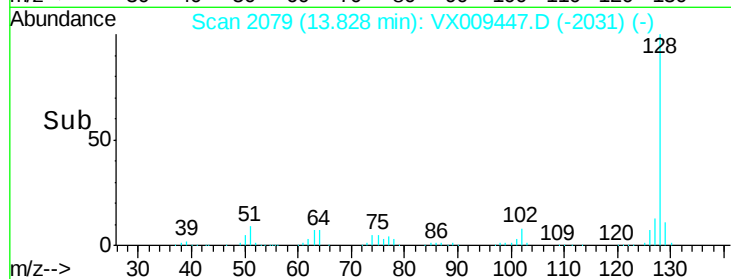
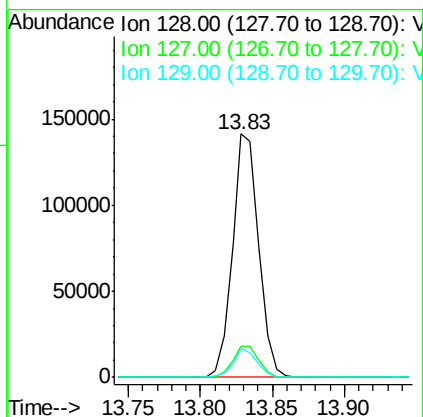
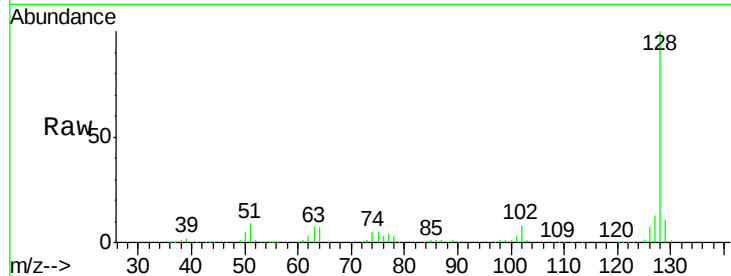
#95
Naphthalene
Concen: 21.965 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :
VX0509WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/10/2019 1:12:49 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.717 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.8	143.4
145	30.4	15.4	46.4

