

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050719\
 Data File : VX009387.D
 Acq On : 07 May 2019 19:15
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:40:46 AM

Quant Time: May 08 03:23:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 08:24:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	163224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	265616	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	240370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	119531	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	110172	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
35) Dibromofluoromethane	5.50	113	83102	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
50) Toluene-d8	8.71	98	335625	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
62) 4-Bromofluorobenzene	11.13	95	123176	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	68045	45.239	ug/l	99
3) Chloromethane	1.32	50	78858	38.401	ug/l	100
4) Vinyl Chloride	1.40	62	89747	44.819	ug/l	98
5) Bromomethane	1.64	94	39060	32.499	ug/l	94
6) Chloroethane	1.71	64	65283	50.778	ug/l	100
7) Trichlorofluoromethane	1.92	101	119359	49.036	ug/l	99
8) Diethyl Ether	2.19	74	56239	48.777	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	74622	48.819	ug/l	97
10) Methyl Iodide	2.50	142	47762	29.016	ug/l	99
11) Tert butyl alcohol	3.06	59	147397	285.778	ug/l	100
12) 1,1-Dichloroethene	2.37	96	72585	47.394	ug/l	97
13) Acrolein	2.29	56	88403	189.259	ug/l	99
14) Allyl chloride	2.72	41	175628	47.056	ug/l	100
15) Acrylonitrile	3.15	53	331030	262.492	ug/l	100
16) Acetone	2.45	43	297170	248.375	ug/l	99
17) Carbon Disulfide	2.56	76	184715	42.959	ug/l	99
18) Methyl Acetate	2.78	43	148511	52.193	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	297456	50.016	ug/l	98
20) Methylene Chloride	2.85	84	89372	46.134	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	78050	46.992	ug/l	99
22) Diisopropyl ether	3.86	45	351915	49.029	ug/l	94
23) Vinyl Acetate	3.82	43	1581338	257.283	ug/l	100
24) 1,1-Dichloroethane	3.70	63	171060	48.311	ug/l	99
25) 2-Butanone	4.68	43	497989	267.843	ug/l	100
26) 2,2-Dichloropropane	4.58	77	115366	43.773	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	95508	48.175	ug/l	99
28) Bromochloromethane	5.01	49	67643	47.310	ug/l	100
29) Tetrahydrofuran	5.13	42	326612	272.990	ug/l	100
30) Chloroform	5.21	83	158854	49.604	ug/l	98
31) Cyclohexane	5.58	56	156118	47.391	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	130606	48.991	ug/l	99
36) 1,1-Dichloropropene	5.80	75	115400	46.751	ug/l	99
37) Ethyl Acetate	4.84	43	182101	52.948	ug/l	99
38) Carbon Tetrachloride	5.79	117	108884	48.550	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	143158	47.225	ug/l	100
40) Benzene	6.14	78	363247	47.550	ug/l	100
41) Methacrylonitrile	5.04	41	101279	49.470	ug/l	98
42) 1,2-Dichloroethane	6.20	62	133832	48.838	ug/l	99
43) Isopropyl Acetate	6.45	43	284558	51.726	ug/l	100
44) Trichloroethene	7.21	130	86880	47.043	ug/l	99
45) 1,2-Dichloropropane	7.51	63	105003	48.542	ug/l	99
46) Dibromomethane	7.66	93	59991	47.758	ug/l	98
47) Bromodichloromethane	7.90	83	125379	50.038	ug/l	97
48) Methyl methacrylate	7.77	41	143582	52.608	ug/l	99
49) 1,4-Dioxane	7.74	88	59621	1077.172	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	979184	272.320	ug/l	100
52) Toluene	8.79	92	221243	47.644	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	141213	49.917	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	153799	49.118	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	93251	49.222	ug/l	95
56) Ethyl methacrylate	9.18	69	176695	52.249	ug/l	99
57) 1,3-Dichloropropane	9.37	76	165762	49.721	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	463354	258.275	ug/l	99
59) 2-Hexanone	9.49	43	770628	272.883	ug/l	99
60) Dibromochloromethane	9.59	129	95648	51.692	ug/l	100
61) 1,2-Dibromoethane	9.67	107	94917	49.633	ug/l	99
64) Tetrachloroethene	9.34	164	76358	46.310	ug/l	98
65) Chlorobenzene	10.14	112	236335	49.150	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	88359	50.686	ug/l	98
67) Ethyl Benzene	10.25	91	431592	48.771	ug/l	100
68) m/p-Xylenes	10.36	106	318747	98.565	ug/l	100
69) o-Xylene	10.70	106	156144	48.937	ug/l	99
70) Styrene	10.71	104	280005	50.491	ug/l	100
71) Bromoform	10.85	173	74334	52.471	ug/l #	100
73) Isopropylbenzene	11.02	105	423361	48.706	ug/l	100
74) N-amyl acetate	10.90	43	262639	51.827	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	164669	50.819	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	138542m	49.967	ug/l	
77) Bromobenzene	11.26	156	105465	48.885	ug/l	99
78) n-propylbenzene	11.36	91	479329	48.286	ug/l	100
79) 2-Chlorotoluene	11.42	91	290337	47.407	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	356809	48.752	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	52978	48.888	ug/l	99
82) 4-Chlorotoluene	11.51	91	334339	48.323	ug/l	100
83) tert-Butylbenzene	11.77	119	356019	50.005	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	355510	48.393	ug/l	100
85) sec-Butylbenzene	11.94	105	410822	48.670	ug/l	99
86) p-Isopropyltoluene	12.06	119	371932	49.013	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	187839	48.840	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	185452	47.828	ug/l	99
89) n-Butylbenzene	12.38	91	335142	48.864	ug/l	100
90) Hexachloroethane	12.60	117	63534	49.144	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	191540	48.896	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	38669	53.198	ug/l	99

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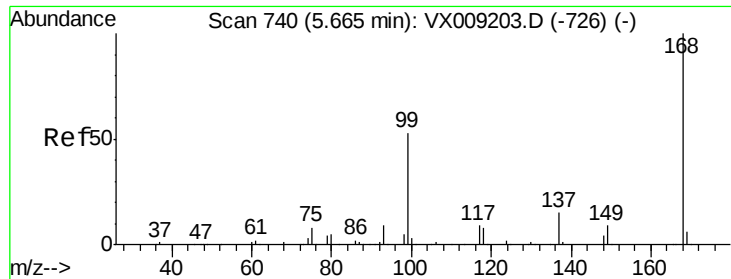
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	131968	49.264	ug/l	100
94) Hexachlorobutadiene	13.78	225	66854	48.871	ug/l	99
95) Naphthalene	13.83	128	451849	51.846	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	137603	50.675	ug/l	99

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



#1

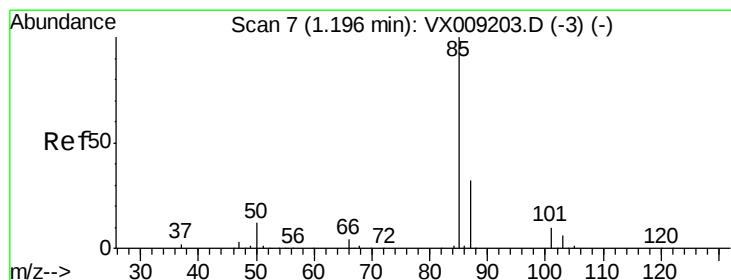
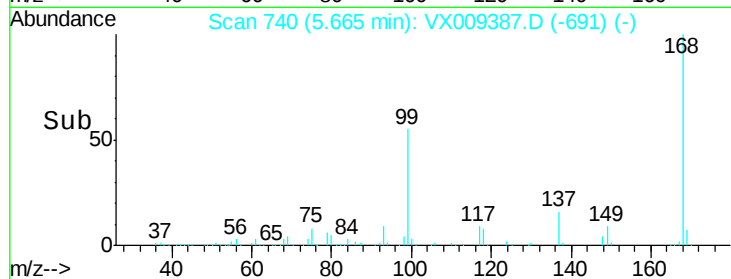
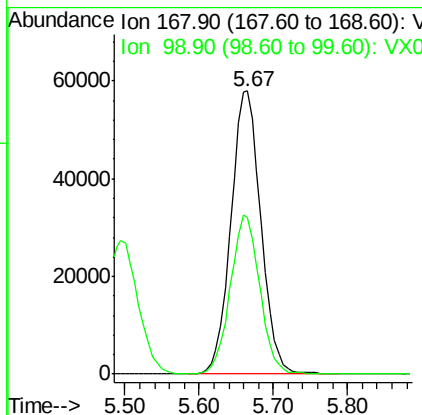
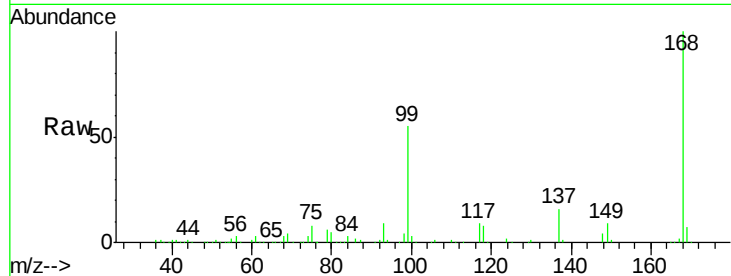
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.00 min
 Lab File: VX009387.D
 Acq: 07 May 2019 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
168	100		163224		
99	55.0	42.3	63.5		

Manual Integrations
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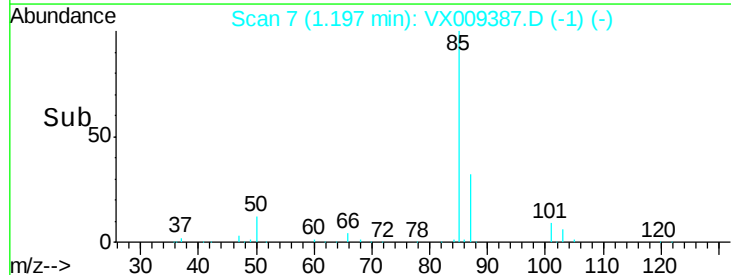
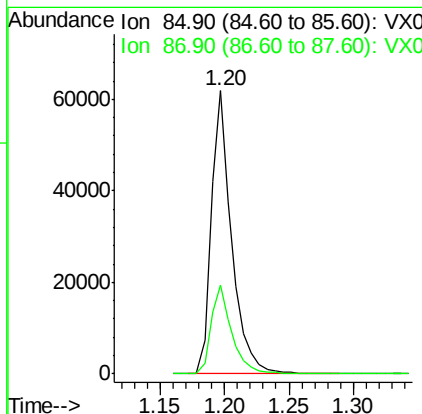
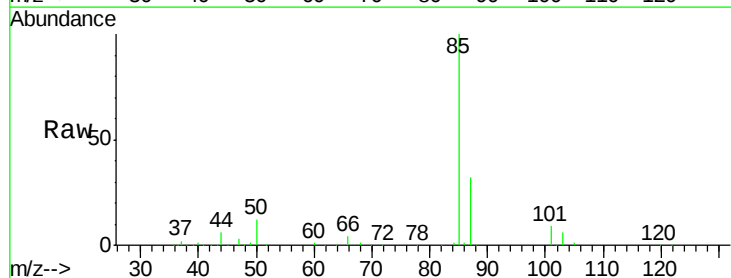
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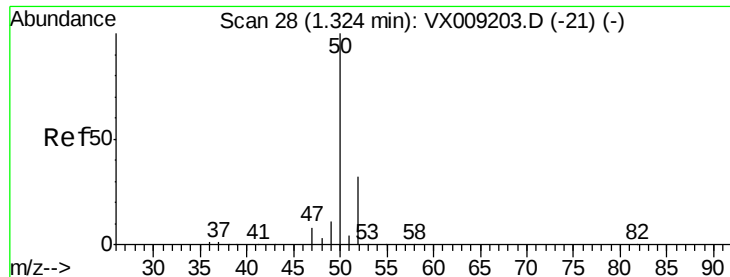


#2

Dichlorodifluoromethane
 Concen: 45.239 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. 0.00 min
 Lab File: VX009387.D
 Acq: 07 May 2019 19:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
85	100		68045		
87	31.6	16.1	48.3		





#3

Chloromethane

Concen: 38.401 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 78858

Ion Ratio Lower Upper

50 100

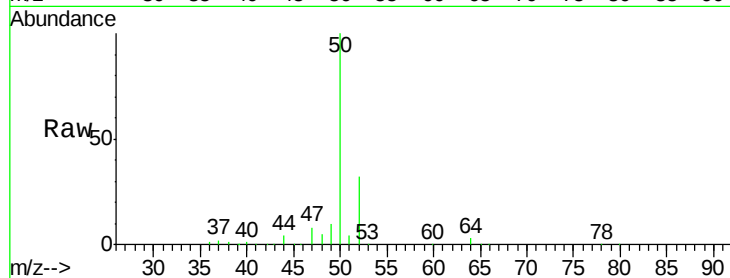
52 32.4 25.9 38.9

Manual Integrations

APPROVED

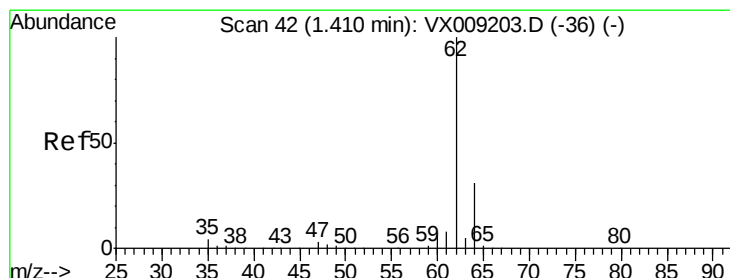
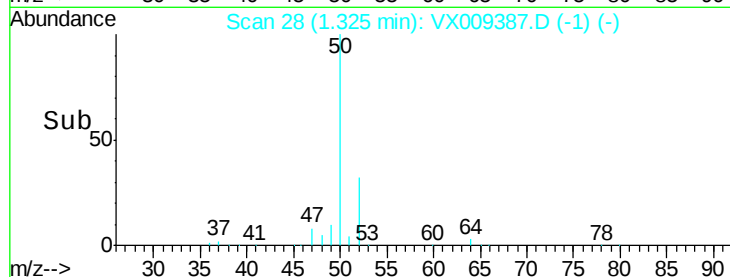
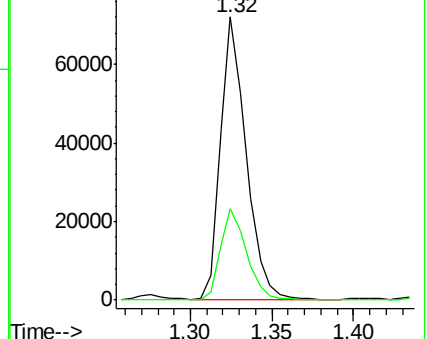
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 44.819 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009387.D

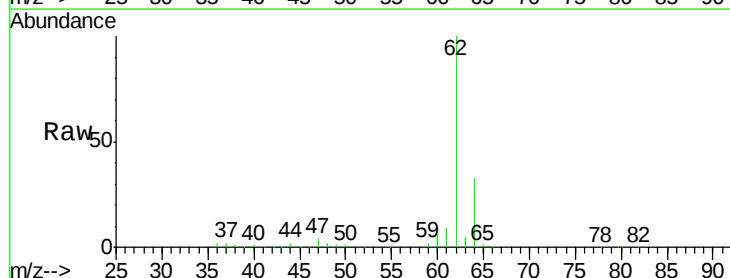
Acq: 07 May 2019 19:15

Tgt Ion: 62 Resp: 89747

Ion Ratio Lower Upper

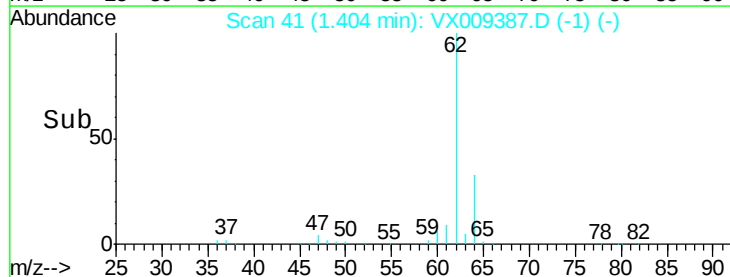
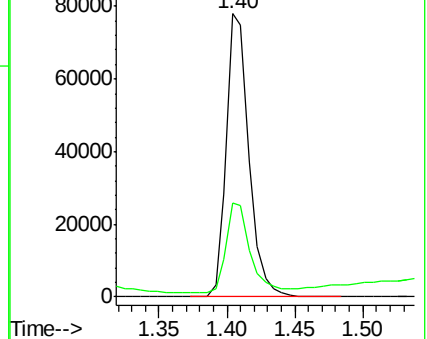
62 100

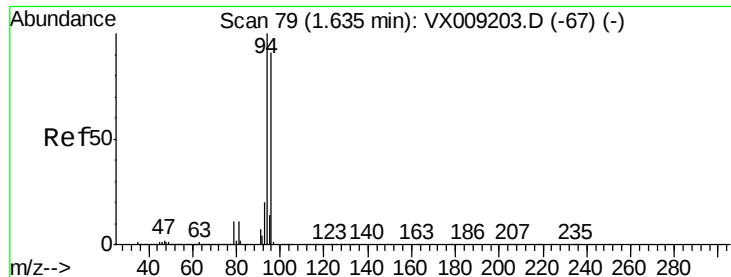
64 31.6 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 32.499 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 39060

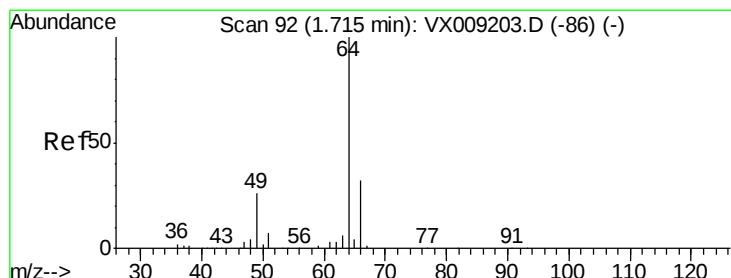
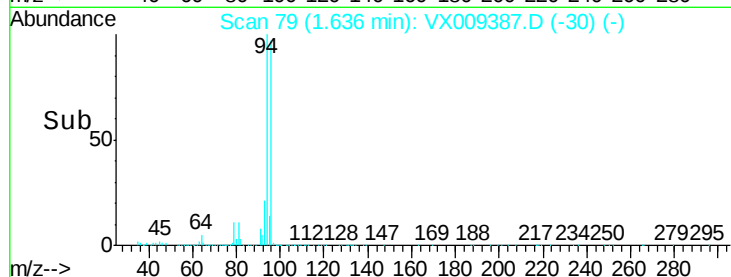
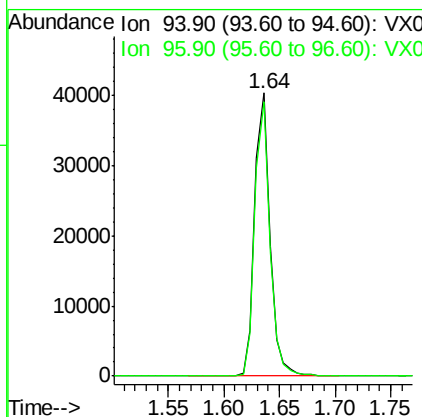
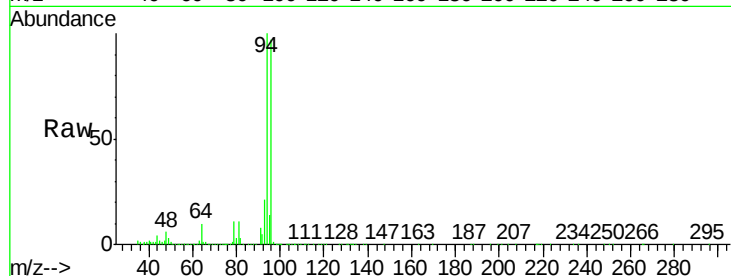
Ion Ratio Lower Upper

94 100

96 96.7 73.0 109.6

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#6

Chloroethane

Concen: 50.778 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009387.D

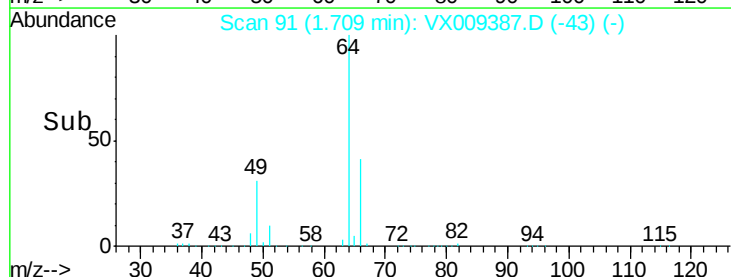
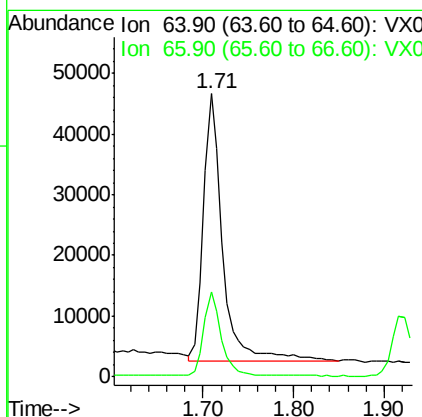
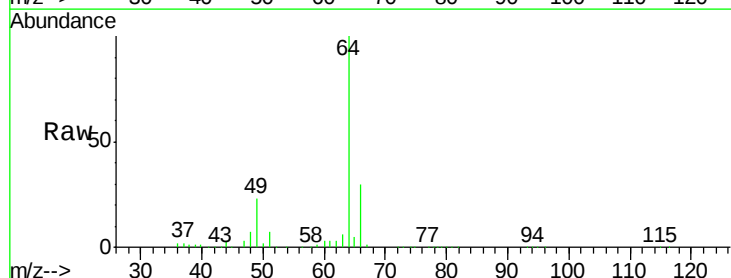
Acq: 07 May 2019 19:15

Tgt Ion: 64 Resp: 65283

Ion Ratio Lower Upper

64 100

66 31.6 25.3 37.9





#7

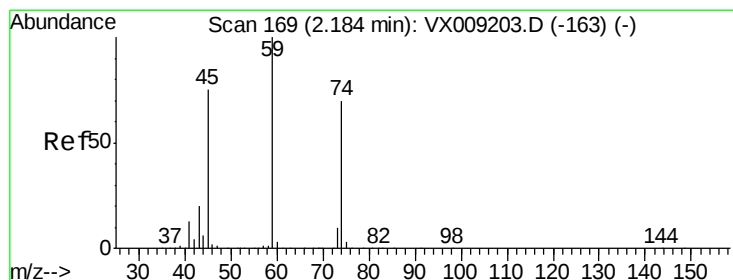
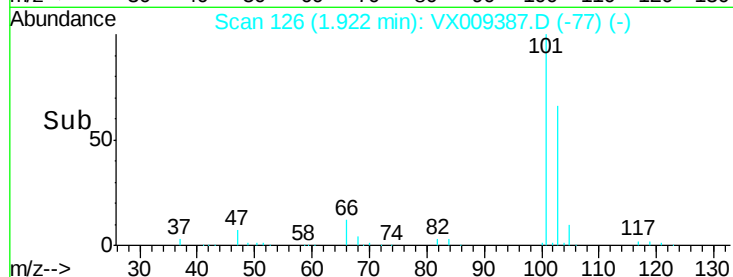
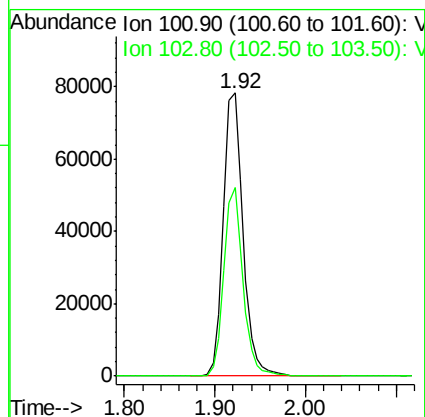
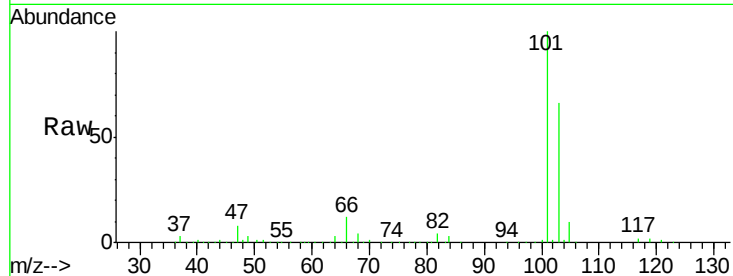
Trichlorofluoromethane
Concen: 49.036 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 119359
Ion Ratio Lower Upper
101 100
103 66.5 52.4 78.6

Manual Integrations
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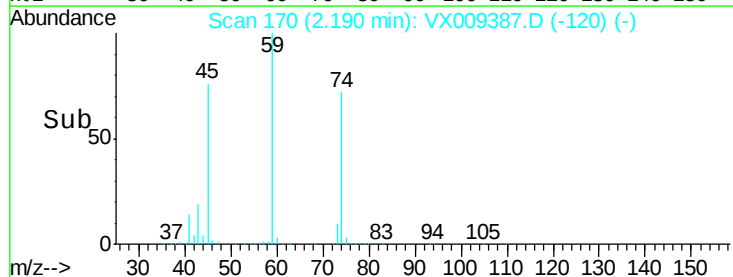
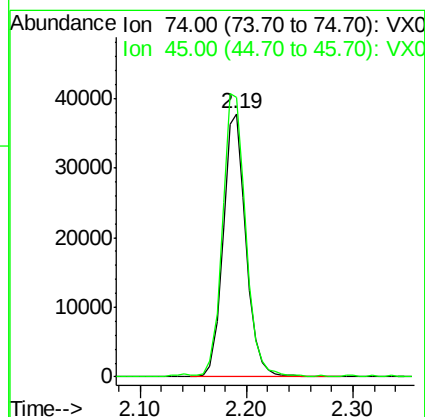
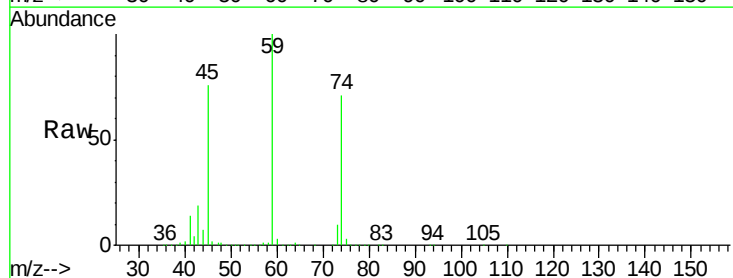
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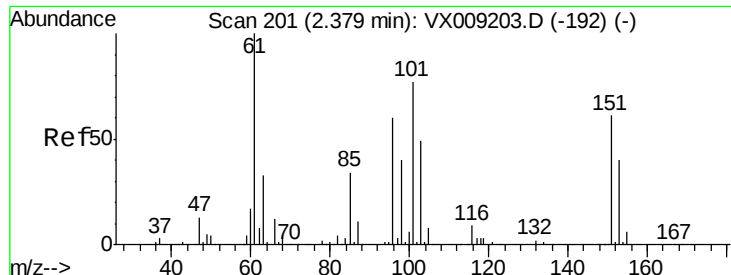


#8

Diethyl Ether
Concen: 48.777 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion: 74 Resp: 56239
Ion Ratio Lower Upper
74 100
45 108.8 53.3 159.9





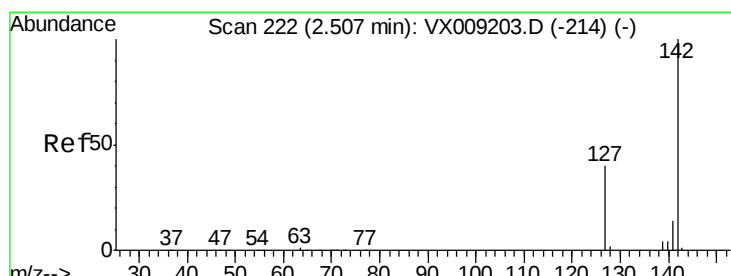
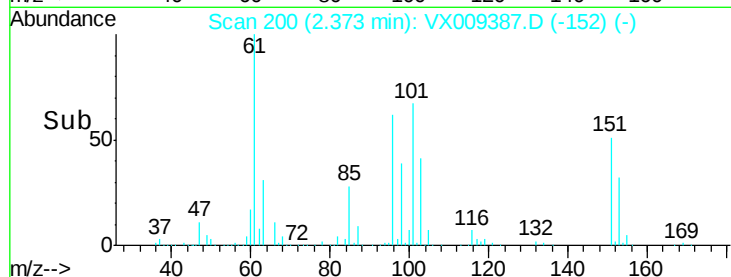
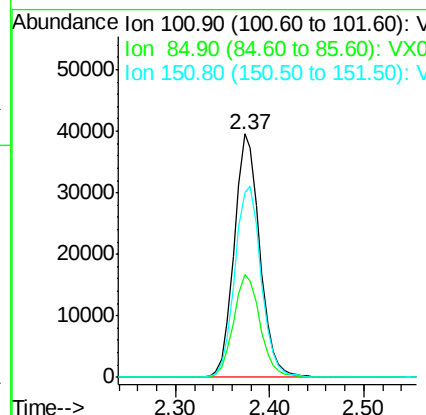
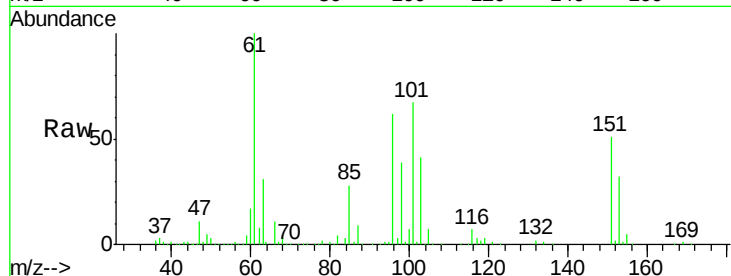
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.819 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.01 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.8	35.7	53.5
151	81.2	62.2	93.2

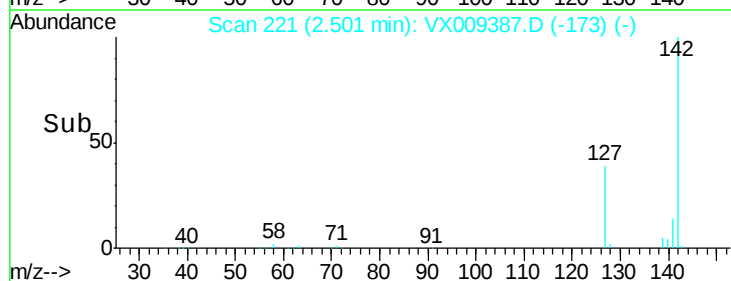
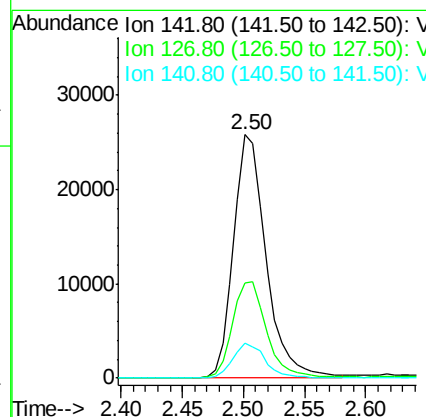
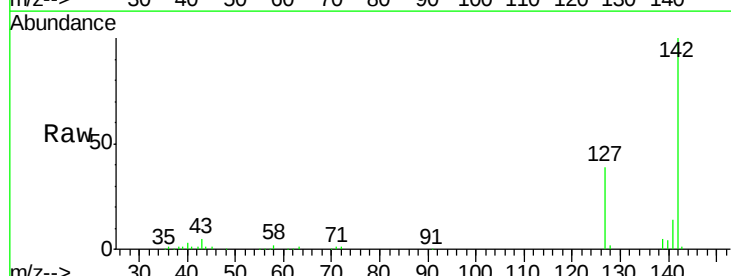
Manual Integrations
APPROVED

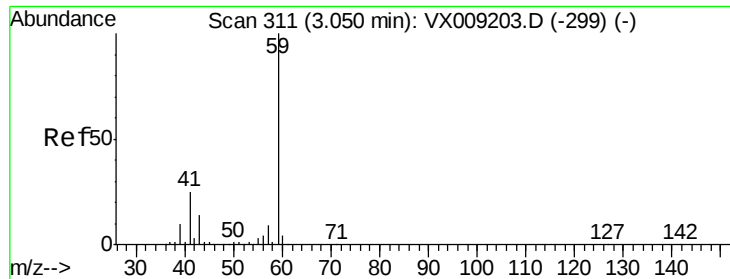
MMDadoda
5/8/2019 10:40:46 AM



#10
Methyl Iodide
Concen: 29.016 ug/l
RT: 2.50 min Scan# 221
Delta R.T. -0.01 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.6	32.7	49.1
141	14.4	11.5	17.3





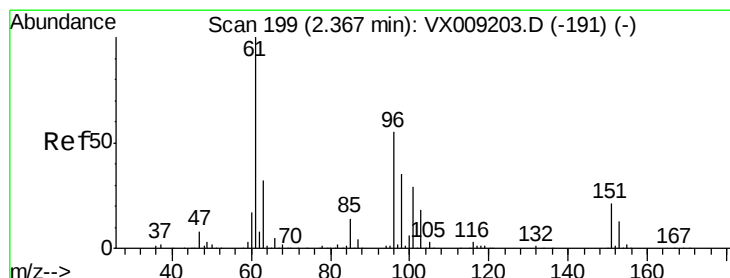
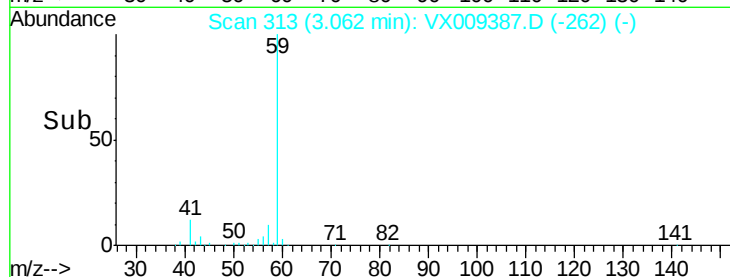
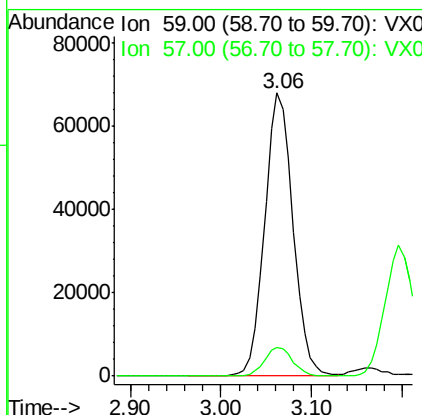
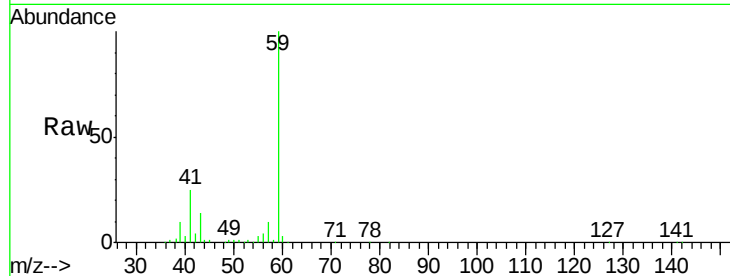
#11
Tert butyl alcohol
Concen: 285.778 ug/l
RT: 3.06 min Scan# 313
Delta R.T. 0.01 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	147397
Ion Ratio	100	Lower	Upper
57	10.3	8.2	12.2

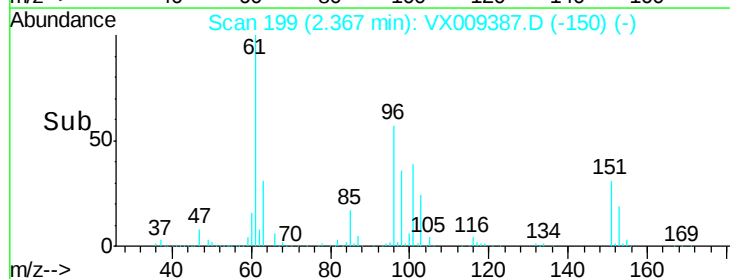
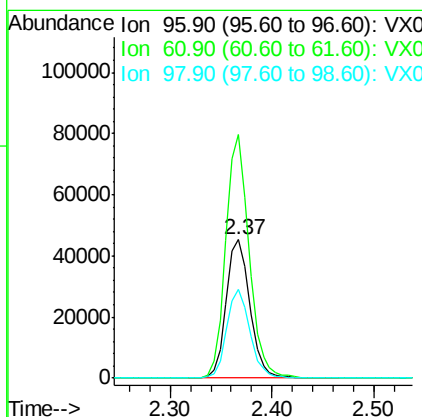
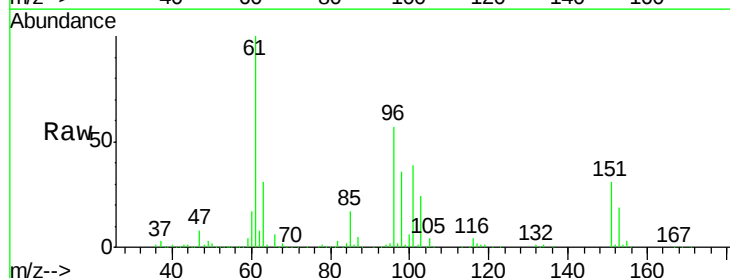
Manual Integrations
APPROVED

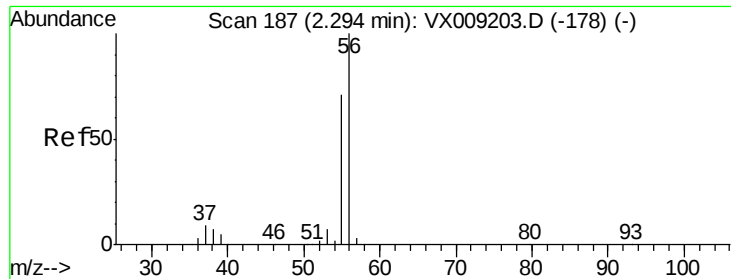
MMDadoda
5/8/2019 10:40:46 AM



#12
1,1-Dichloroethene
Concen: 47.394 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion	96	Resp	72585
Ion Ratio	100	Lower	Upper
61	176.2	144.3	216.5
98	63.9	50.3	75.5





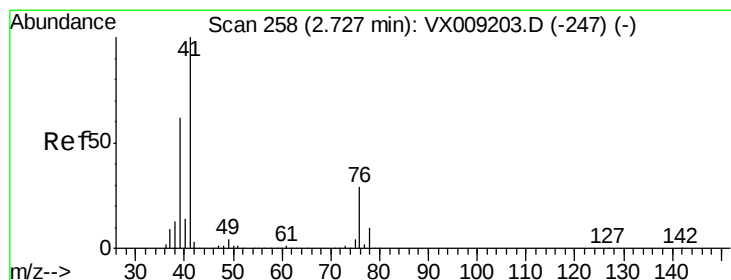
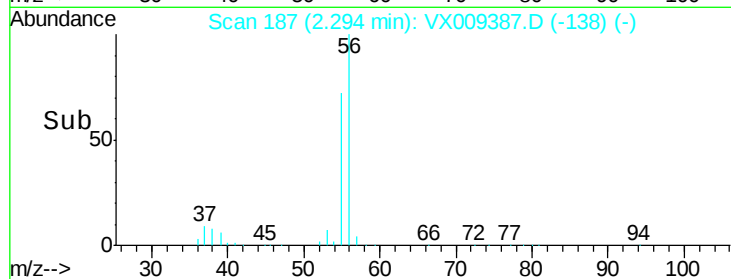
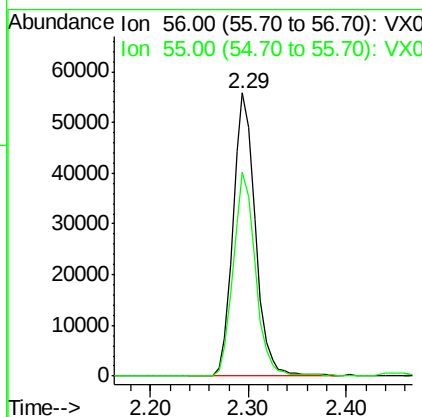
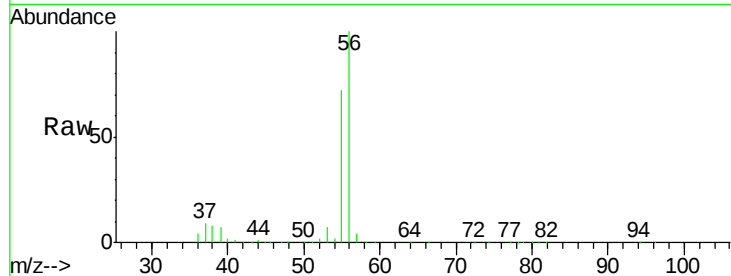
#13
Acrolein
Concen: 189.259 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	71.6	56.6	85.0	

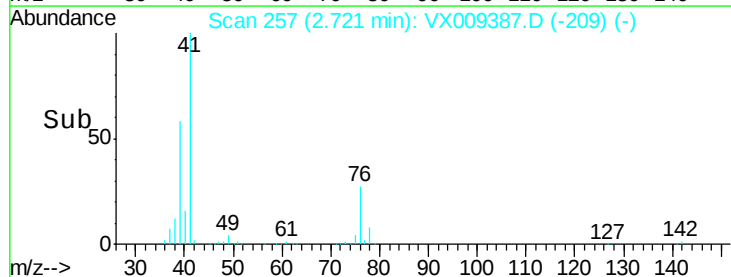
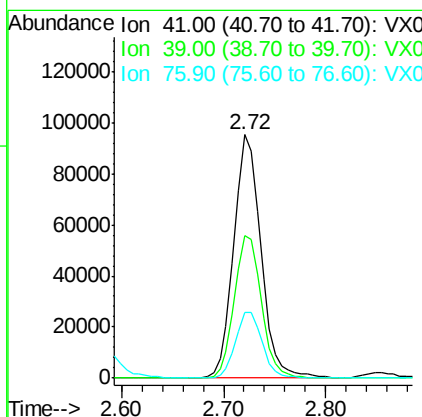
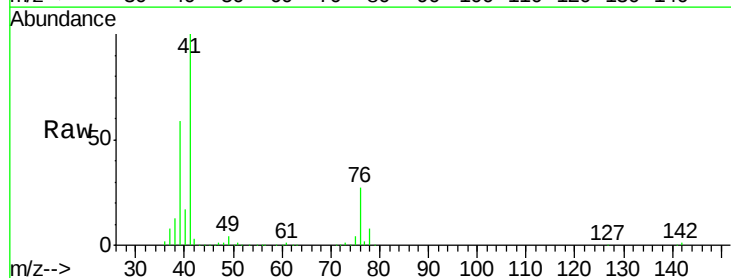
Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:40:46 AM



#14
Allyl chloride
Concen: 47.056 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.01 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.3	46.7	70.1	
76	26.8	21.8	32.8	





#15

Acrylonitrile

Concen: 262.492 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

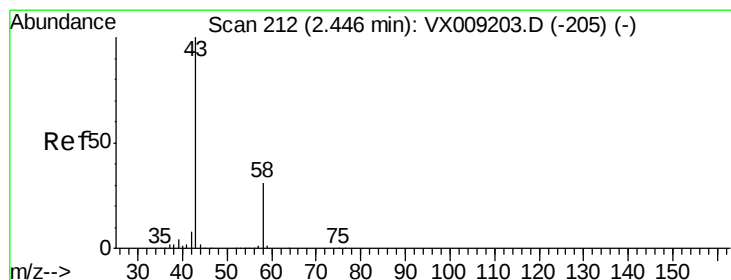
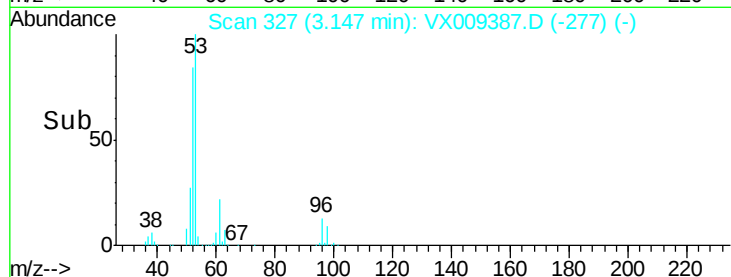
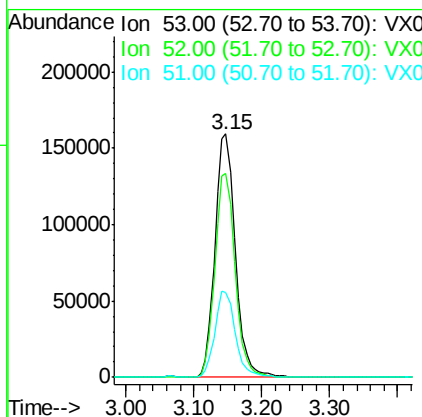
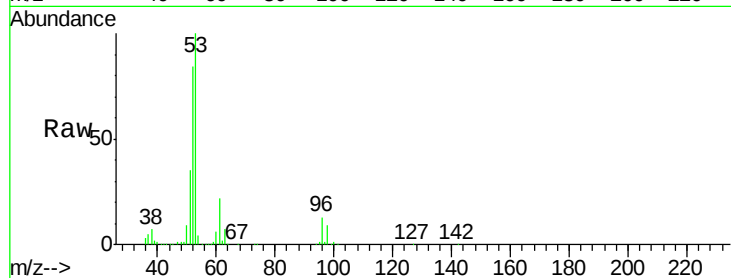
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	331030
Ion Ratio		Lower	Upper
53	100		
52	83.5	66.9	100.3
51	35.8	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 248.375 ug/l

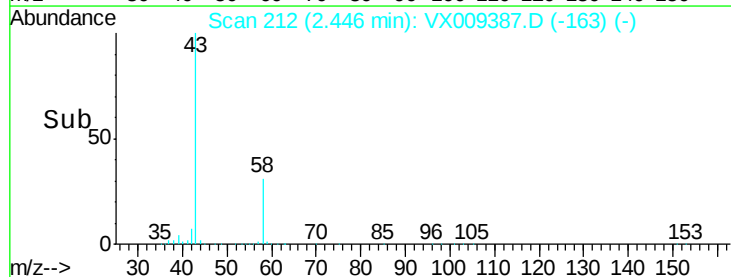
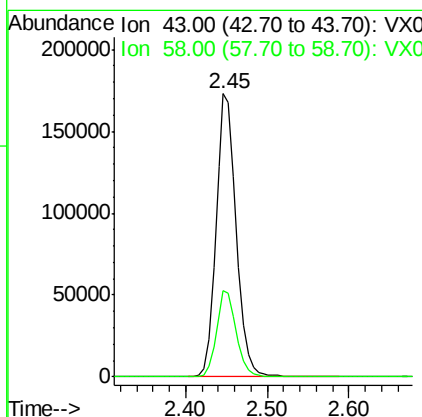
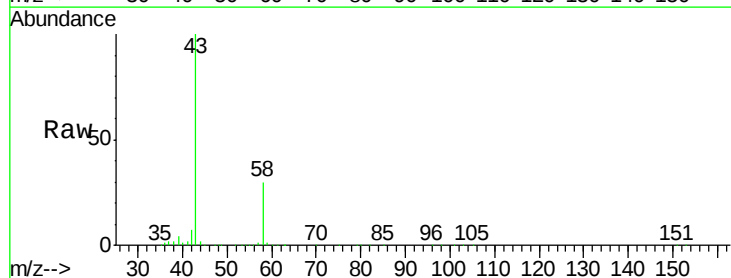
RT: 2.45 min Scan# 212

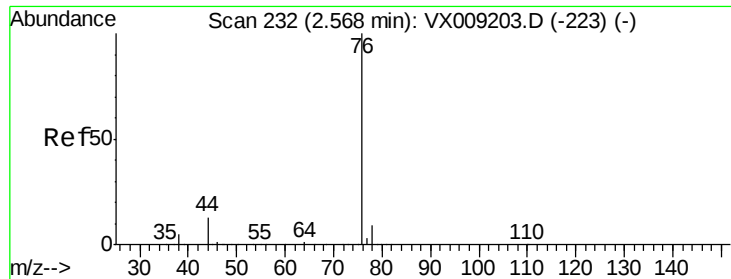
Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Tgt Ion:	43	Resp:	297170
Ion Ratio		Lower	Upper
43	100		
58	30.5	24.9	37.3





#17

Carbon Disulfide

Concen: 42.959 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 184715

Ion Ratio Lower Upper

76 100

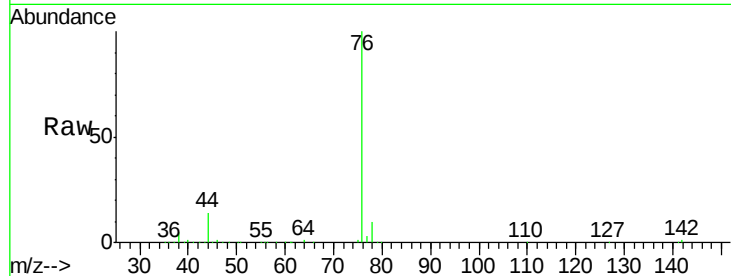
78 9.7 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

120000

100000

80000

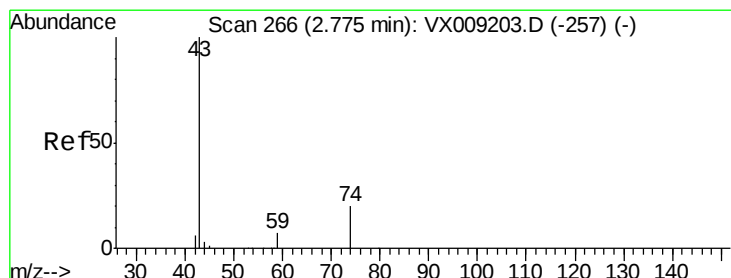
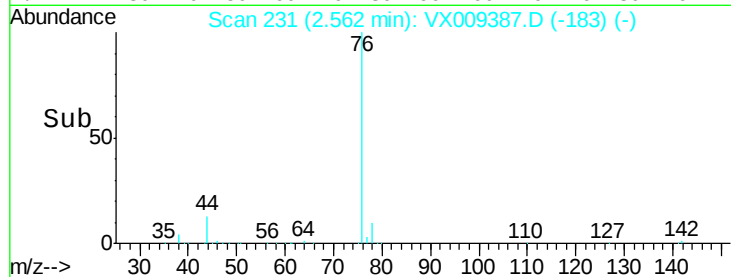
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 52.193 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009387.D

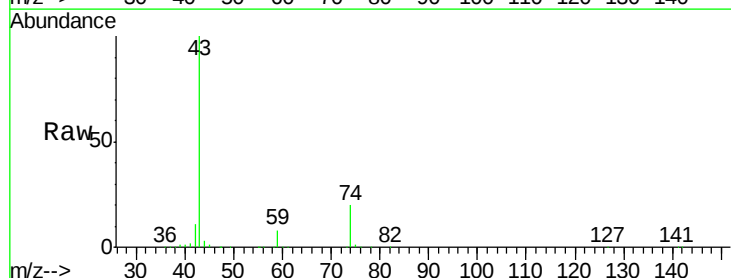
Acq: 07 May 2019 19:15

Tgt Ion: 43 Resp: 148511

Ion Ratio Lower Upper

43 100

74 20.0 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

100000

80000

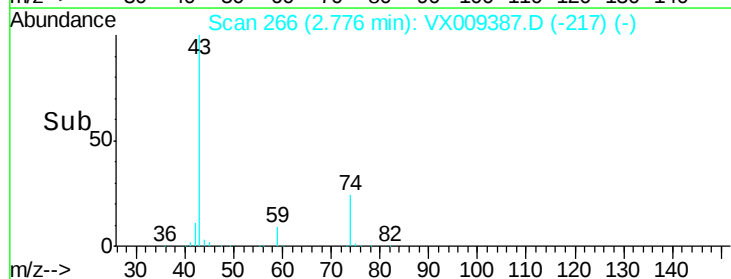
60000

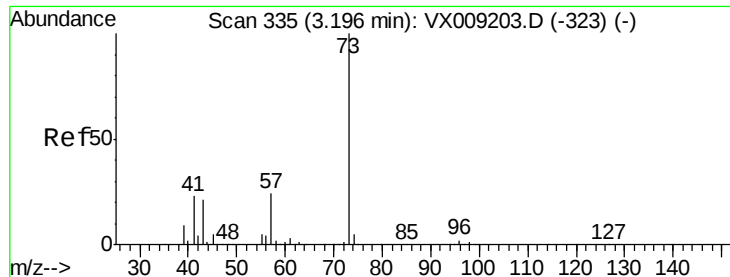
40000

20000

0

Time-->





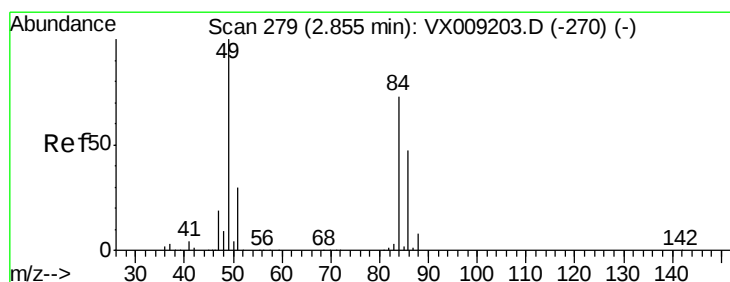
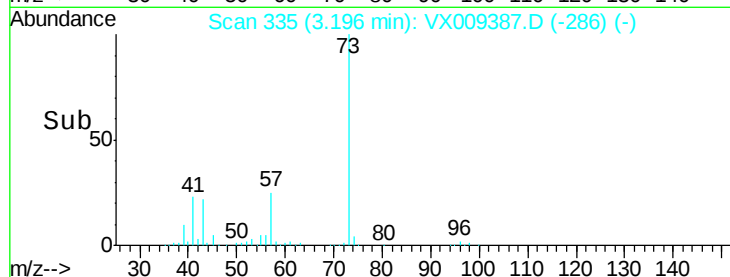
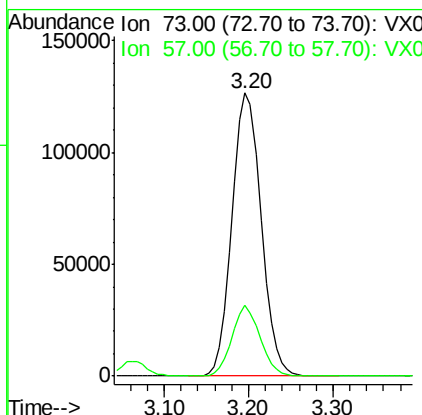
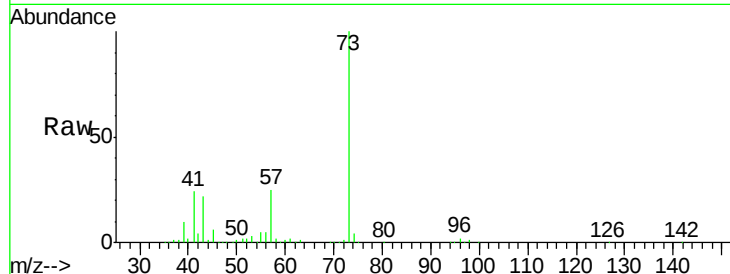
#19
Methvl tert-butvl Ether
Concen: 50.016 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.9	19.3	28.9

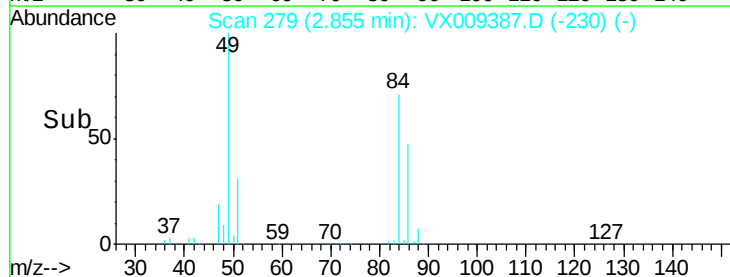
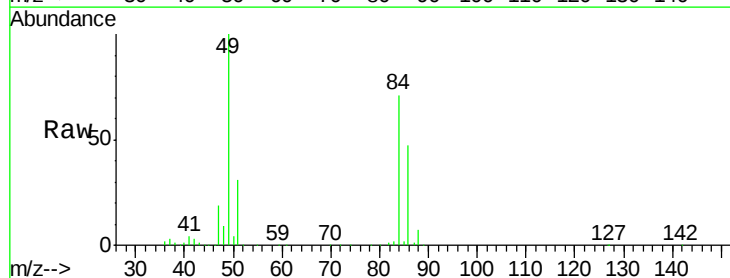
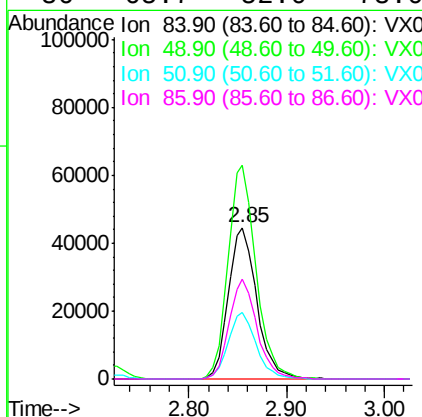
Manual Integrations
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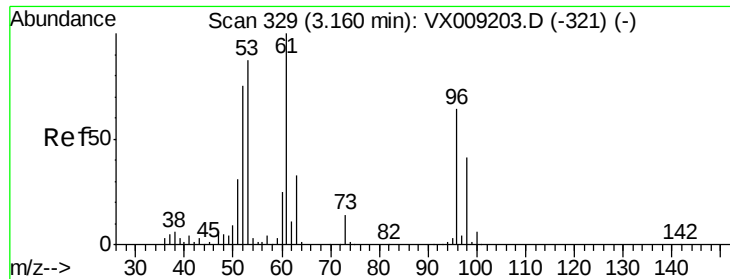
MMDadoda
5/8/2019 10:40:46 AM



#20
Methylene Chloride
Concen: 46.134 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.3	109.9	164.9
51	44.0	32.7	49.1
86	65.7	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 46.992 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

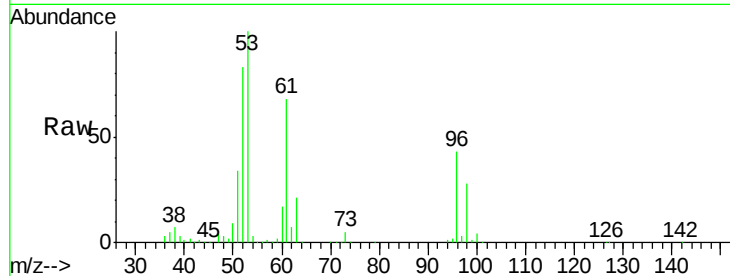
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	78050
Ion	Ratio	Lower	Upper
96	100		
61	156.8	124.5	186.7
98	63.3	50.4	75.6

Manual Integrations
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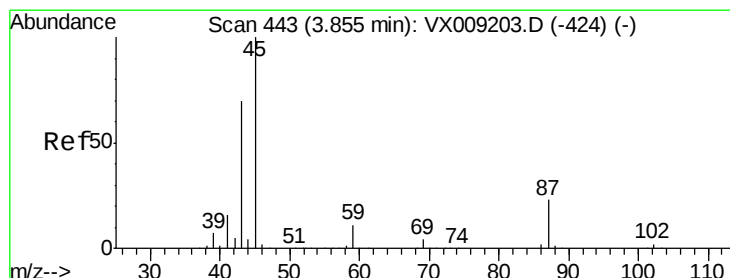
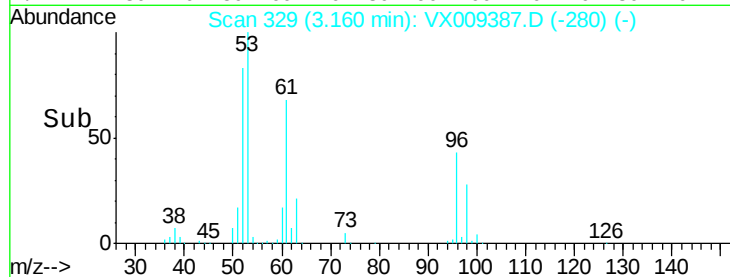
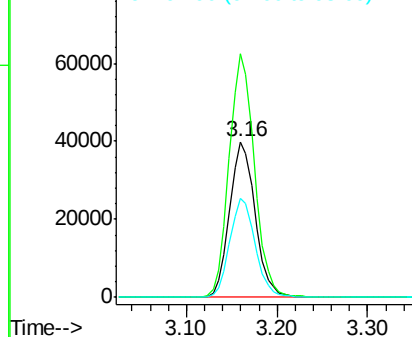


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 49.029 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Tgt Ion:	45	Resp:	351915
Ion	Ratio	Lower	Upper
45	100		
43	63.3	56.1	84.1
87	23.7	18.1	27.1
59	10.9	8.5	12.7

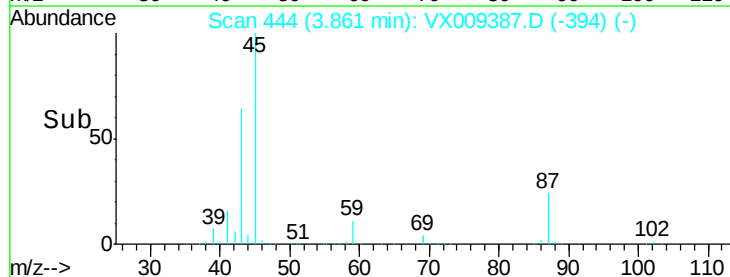
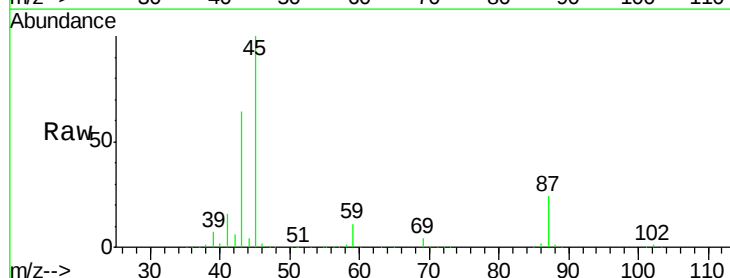
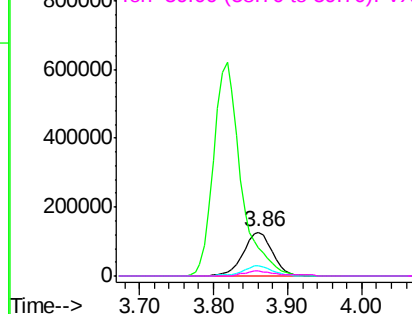
Abundance

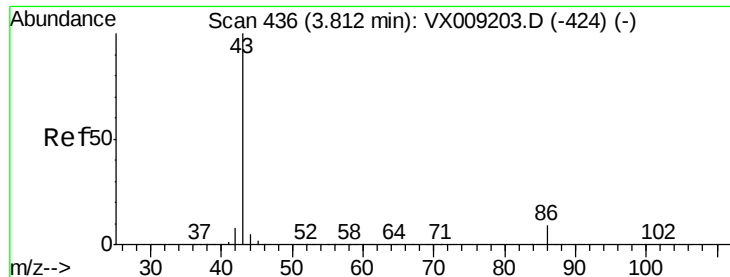
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 257.283 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1581338

Ion Ratio Lower Upper

43 100

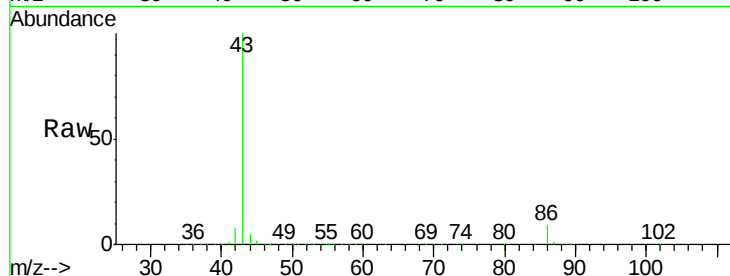
86 8.5 6.9 10.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

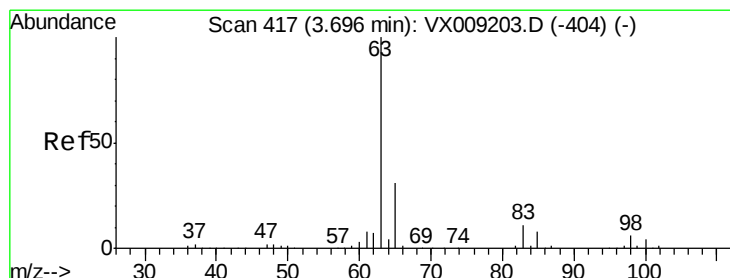
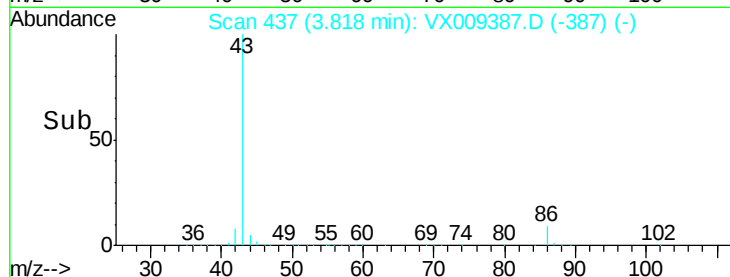
600000

400000

200000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 48.311 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

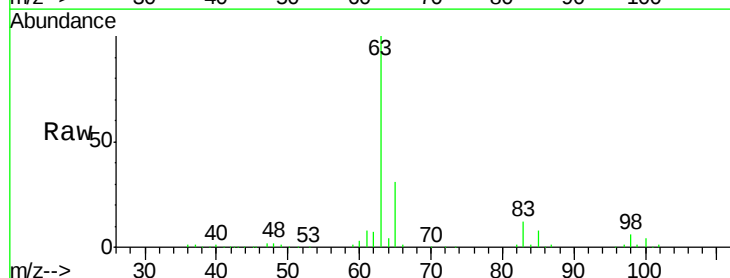
Tgt Ion: 63 Resp: 171060

Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.2

100 3.7 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

100000

80000

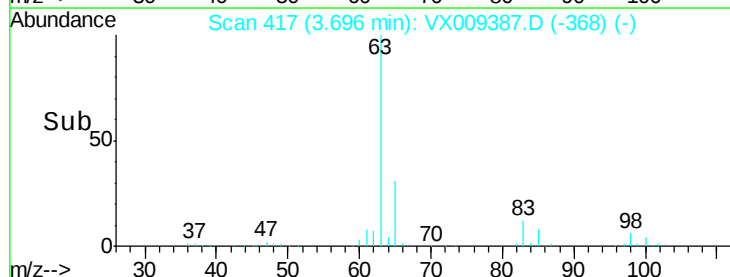
60000

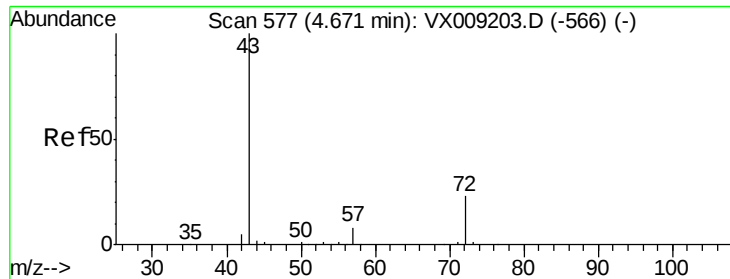
40000

20000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 267.843 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 497989

Ion Ratio Lower Upper

43 100

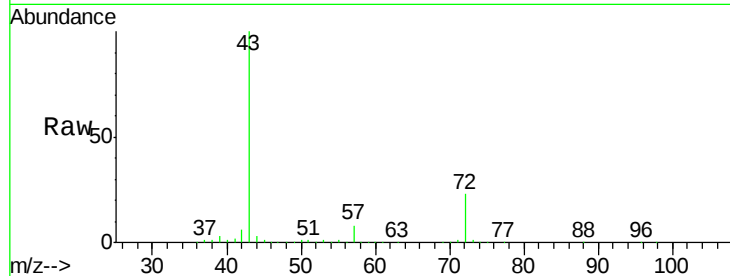
72 22.9 18.2 27.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

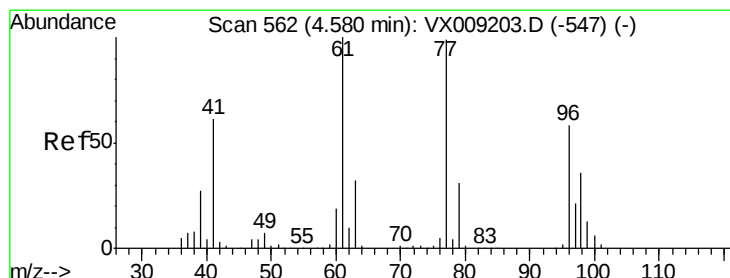
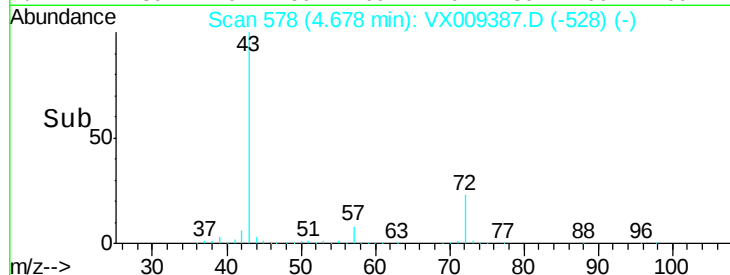
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 43.773 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009387.D

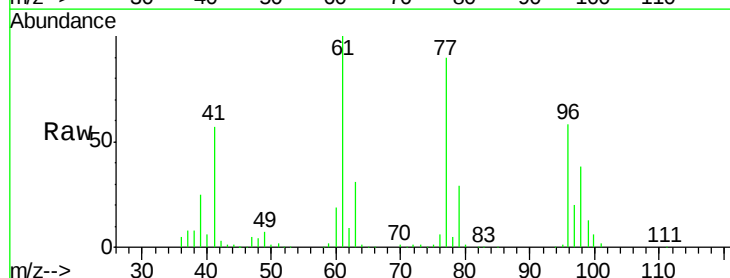
Acq: 07 May 2019 19:15

Tgt Ion: 77 Resp: 115366

Ion Ratio Lower Upper

77 100

97 23.0 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

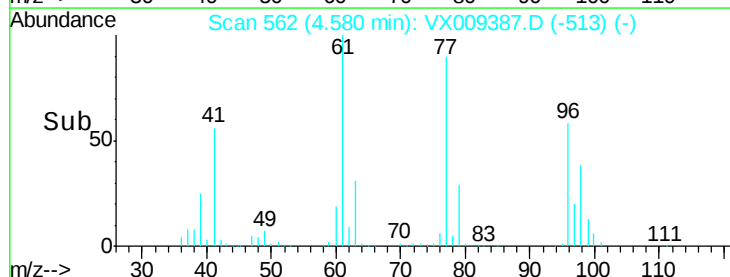
20000

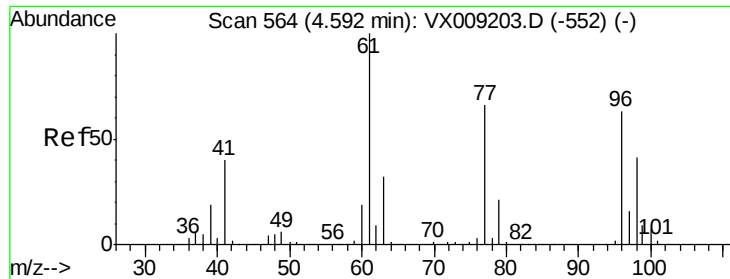
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

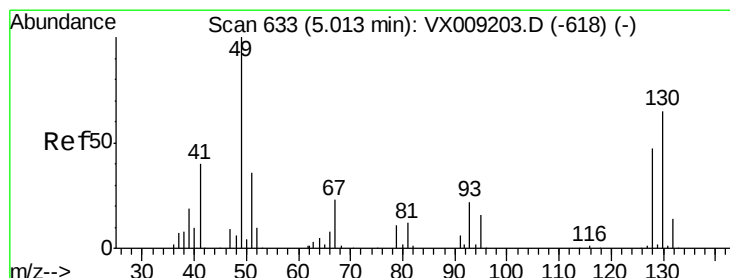
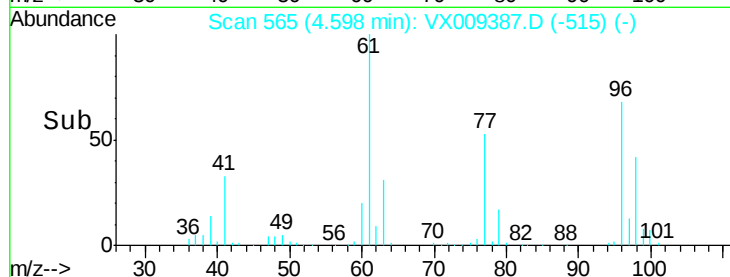
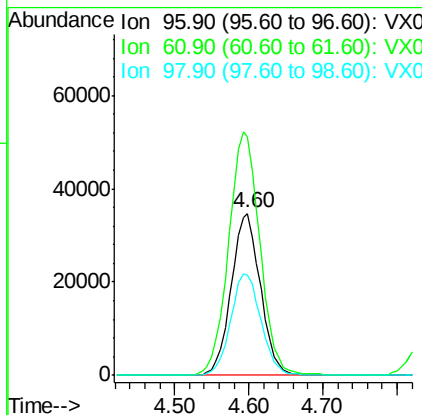
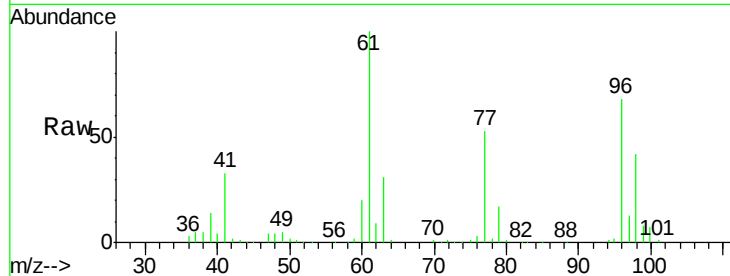
cis-1,2-Dichloroethene
Concen: 48.175 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.6	0.0	324.0
98	65.2	0.0	130.4

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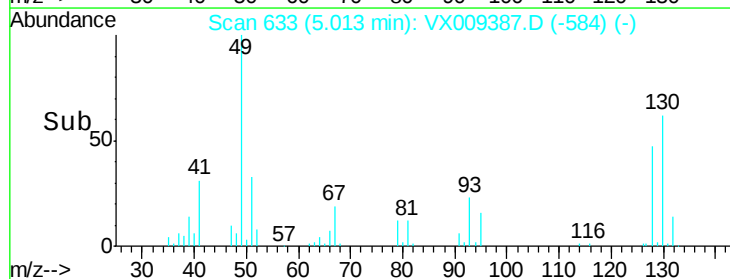
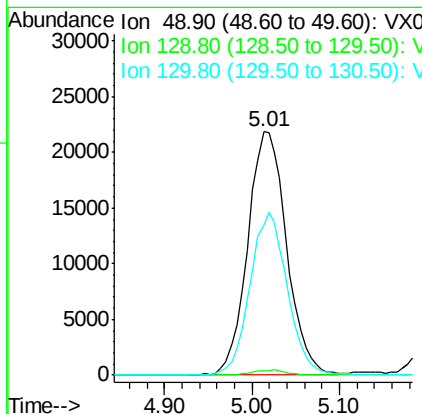
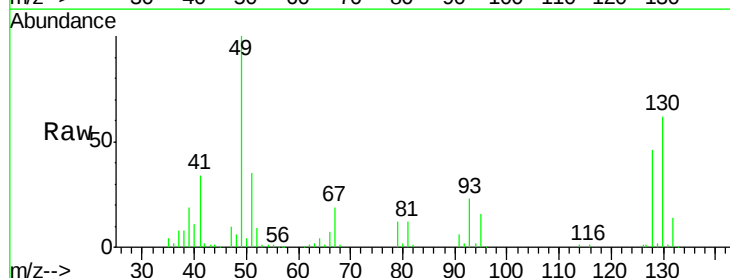
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5/8/2019 10:40:46 AM

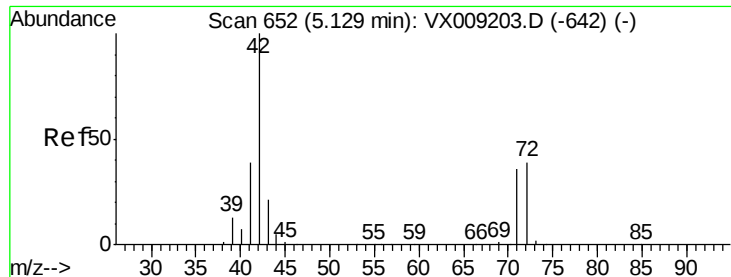


#28

Bromochloromethane
Concen: 47.310 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.8
130	64.0	51.2	76.8





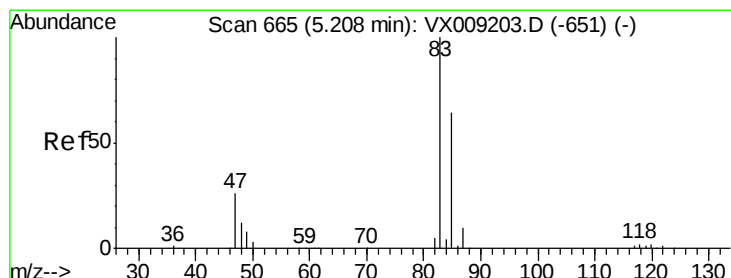
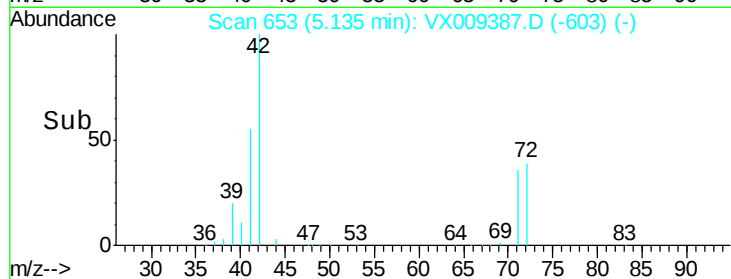
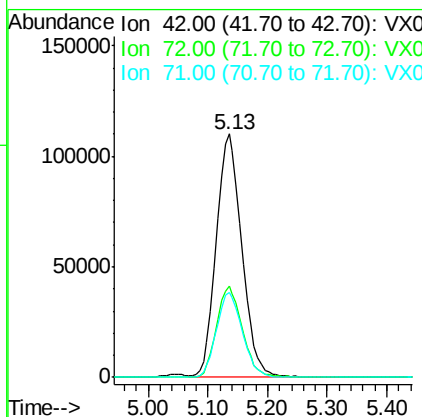
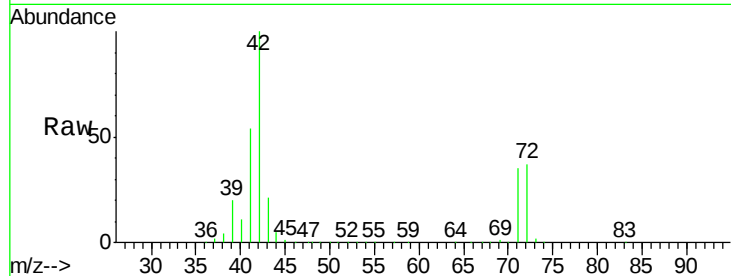
#29
Tetrahydrofuran
Concen: 272.990 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	326612
Ion	Ratio	Lower	Upper
42	100		
72	37.8	30.4	45.6
71	35.4	28.6	43.0

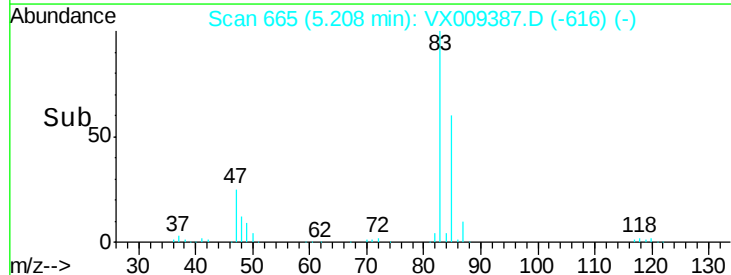
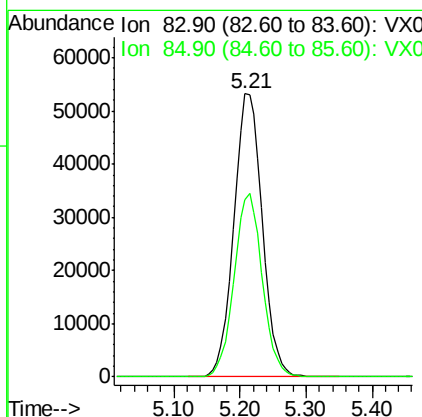
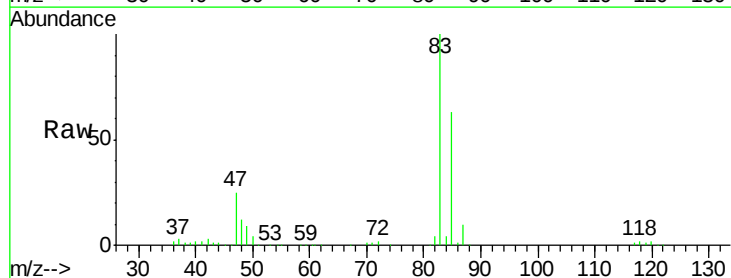
Manual Integrations
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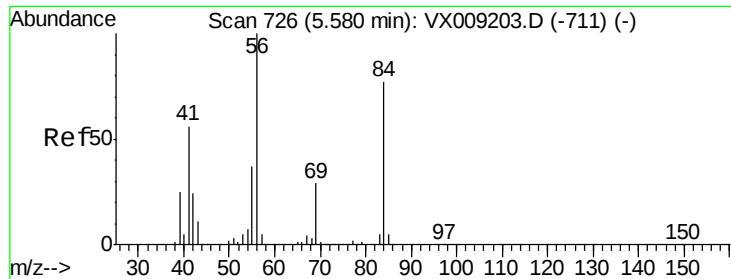
MMDadoda
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#30
Chloroform
Concen: 49.604 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion:	83	Resp:	158854
Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.5	77.3





#31

Cyclohexane

Concen: 47.391 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

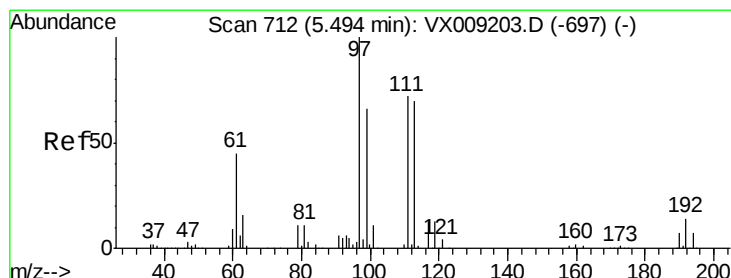
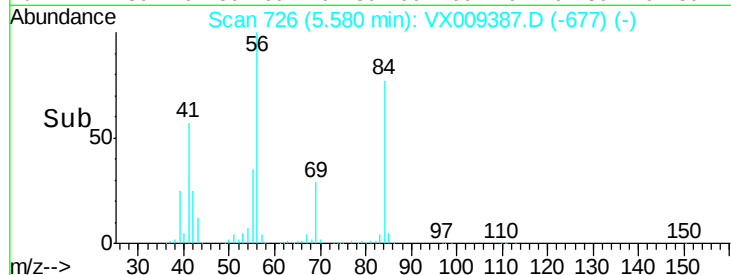
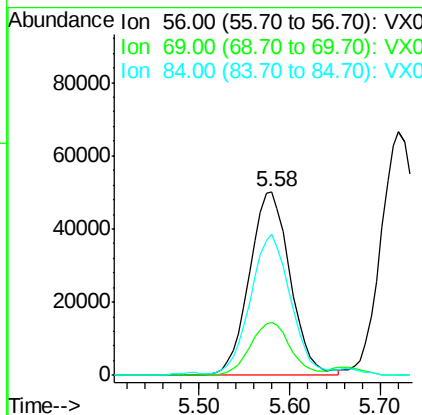
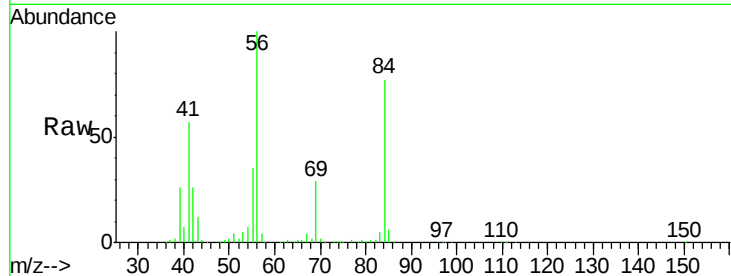
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	156118
Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.4	35.0
84	75.3	61.9	92.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.991 ug/l

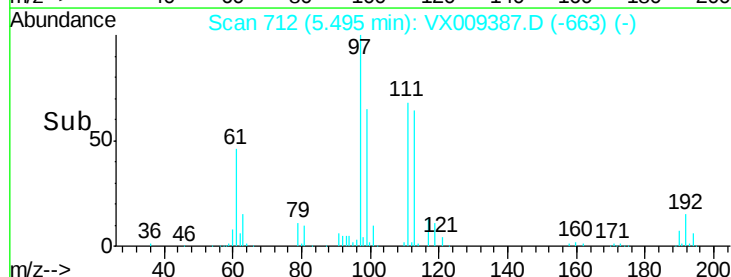
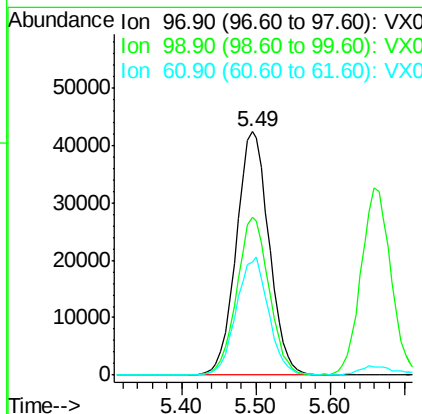
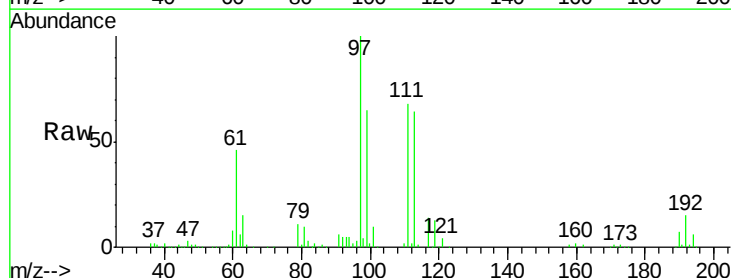
RT: 5.49 min Scan# 712

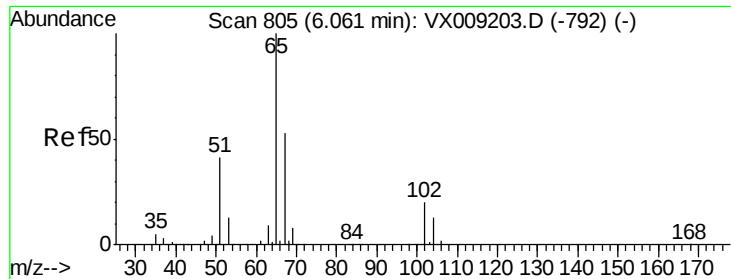
Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Tgt Ion:	97	Resp:	130606
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.8	77.8
61	47.6	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 49.444 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 110172

Ion Ratio Lower Upper

65 100

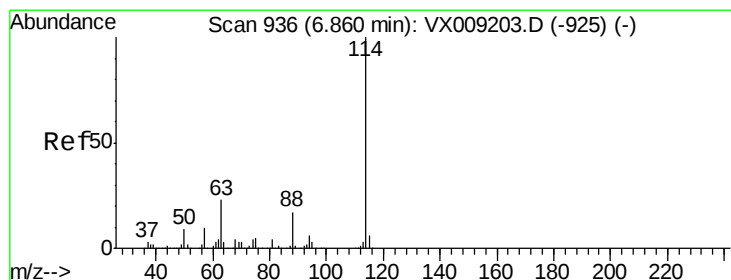
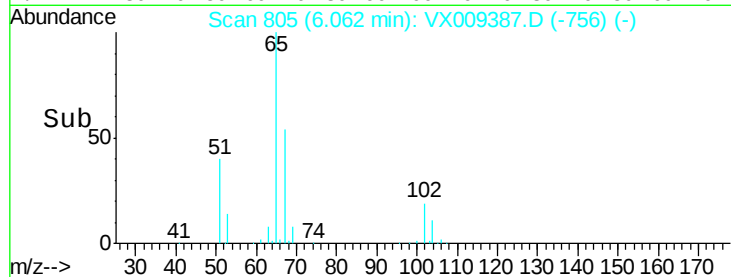
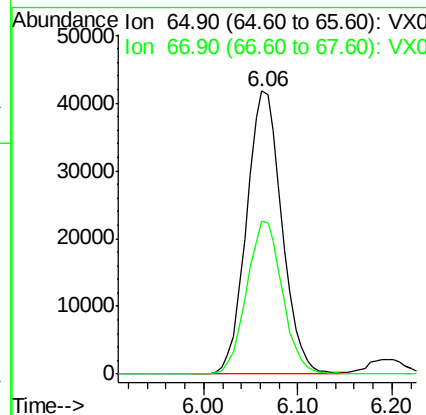
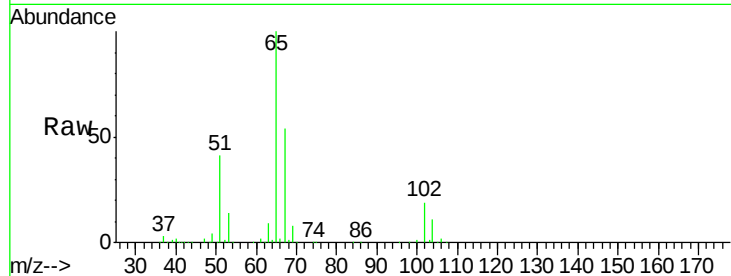
67 54.5 0.0 106.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

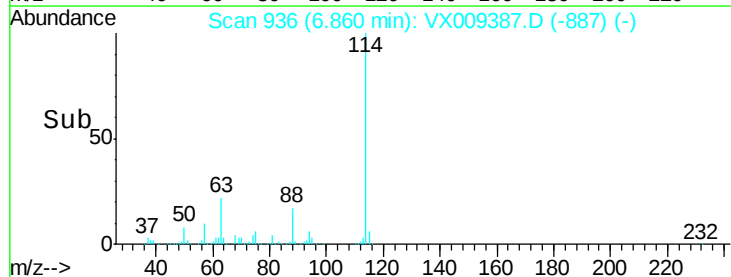
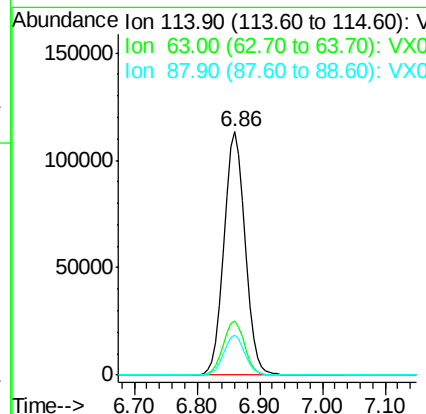
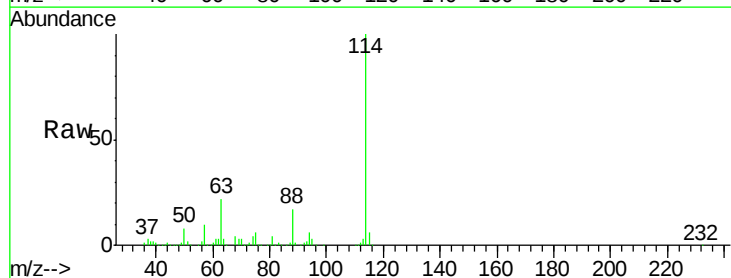
Tgt Ion: 114 Resp: 265616

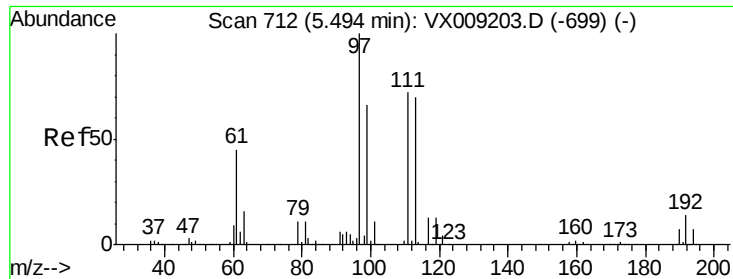
Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.6

88 16.5 0.0 33.2





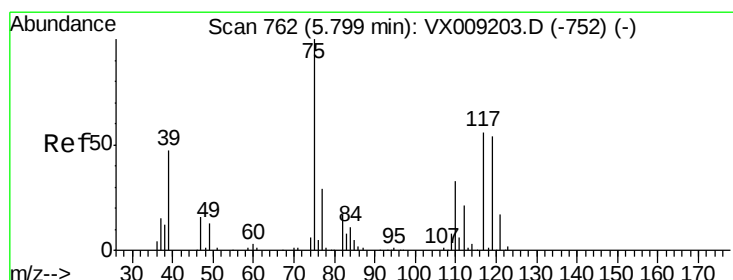
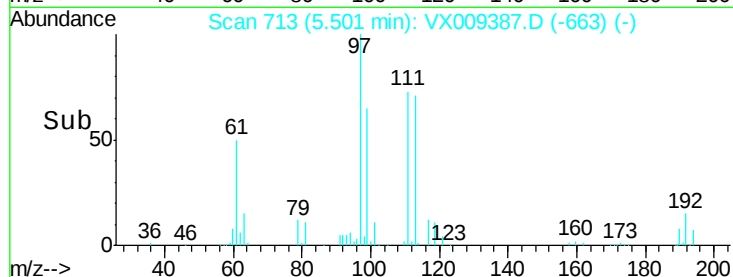
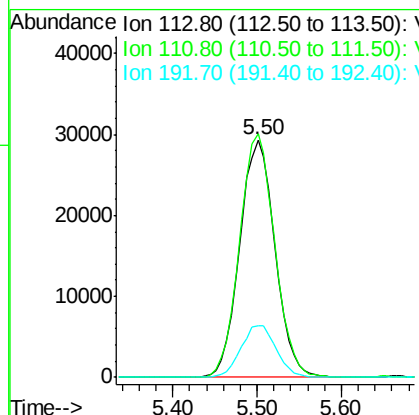
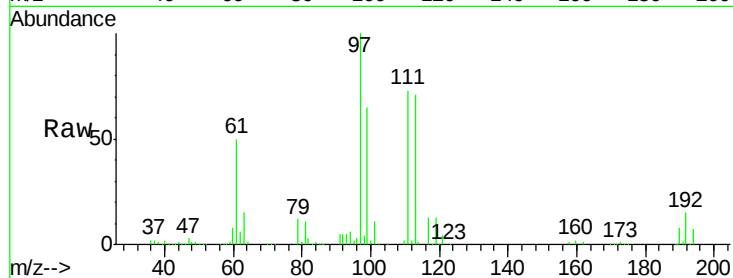
#35
 Dibromofluoromethane
 Concen: 49.769 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009387.D
 Acq: 07 May 2019 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.8	124.2
192	21.7	17.0	25.6

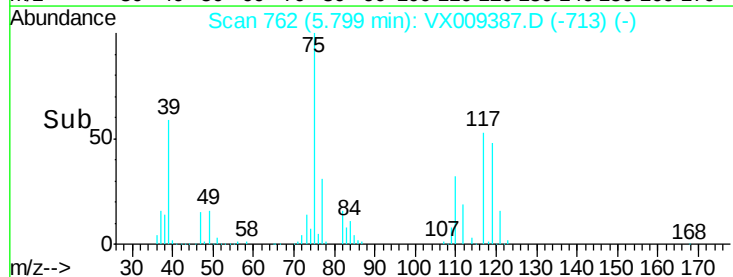
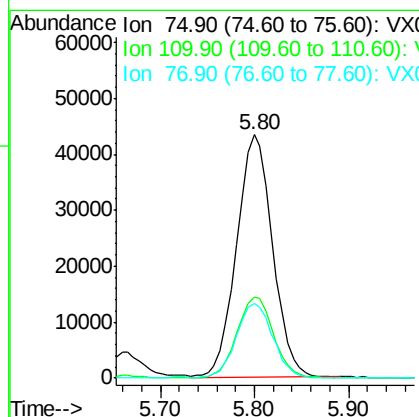
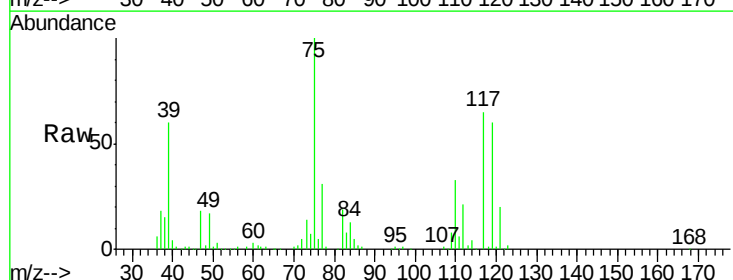
Manual Integrations
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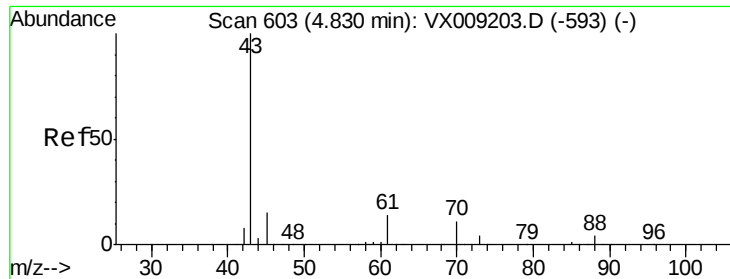
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#36
 1,1-Dichloropropene
 Concen: 46.751 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX009387.D
 Acq: 07 May 2019 19:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.6
77	31.7	24.8	37.2





#37

Ethyl Acetate

Concen: 52.948 ug/l

RT: 4.84 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

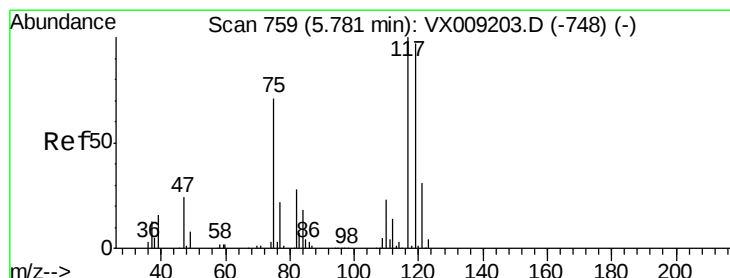
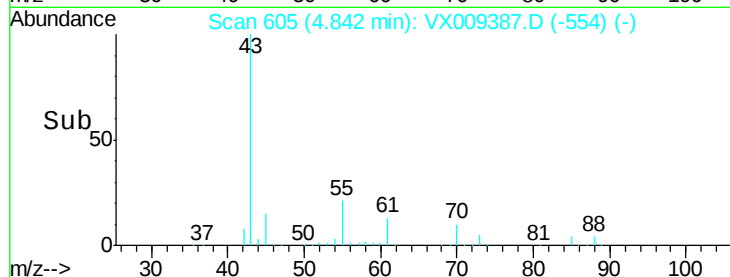
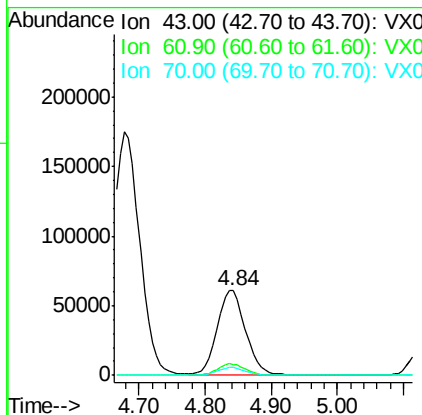
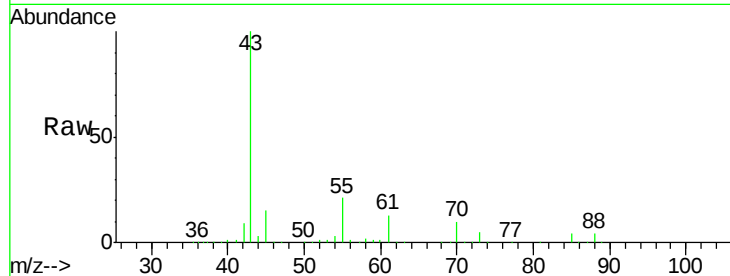
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	182101
Ion Ratio	Lower	Upper	
43	100		
61	13.4	10.5	15.7
70	9.4	7.9	11.9

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#38

Carbon Tetrachloride

Concen: 48.550 ug/l

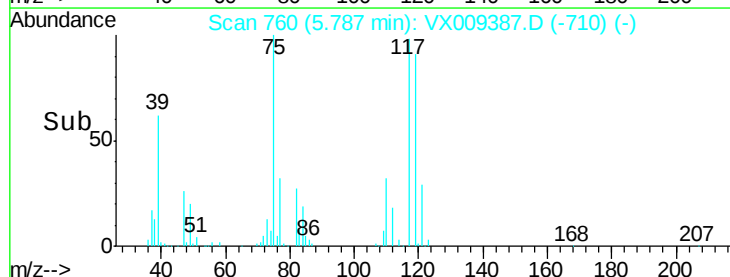
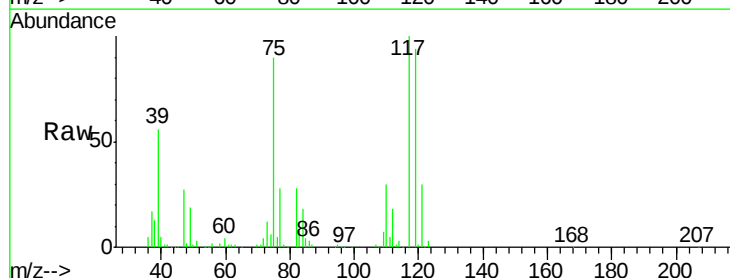
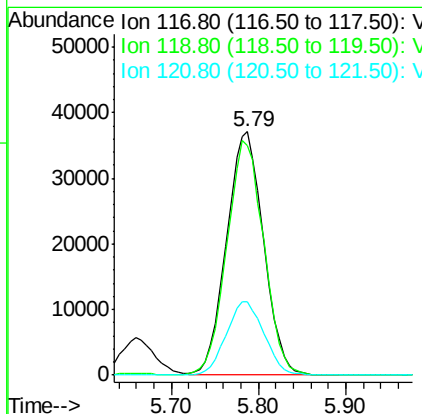
RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Tgt Ion:	117	Resp:	108884
Ion Ratio	Lower	Upper	
117	100		
119	94.0	77.5	116.3
121	30.1	24.7	37.1





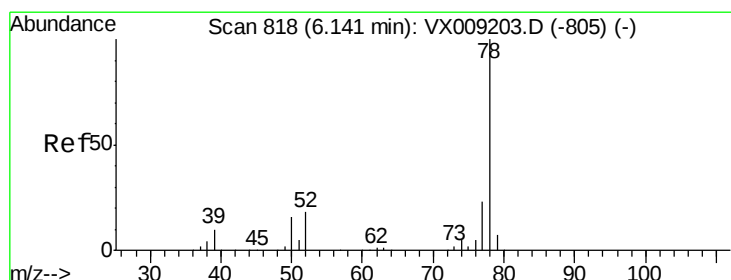
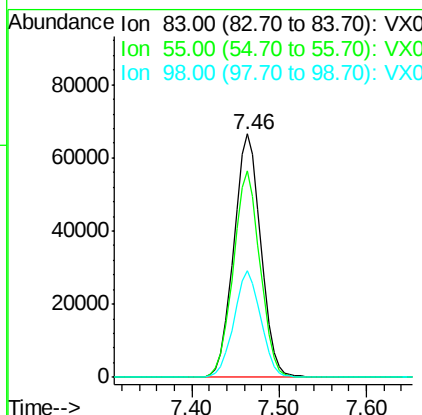
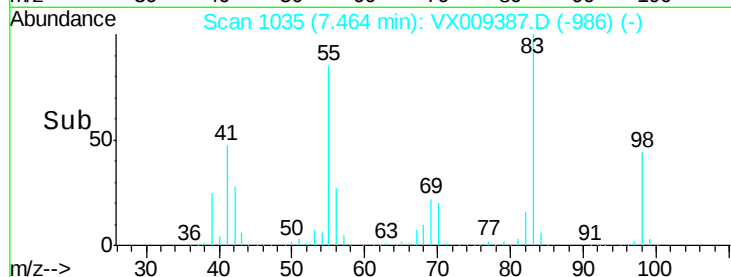
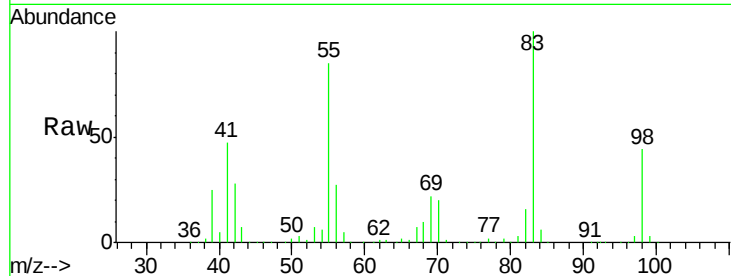
#39
Methvlcvclohexane
Concen: 47.225 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	143158
Ion Ratio	Lower	Upper	
83	100		
55	84.7	67.7	101.5
98	43.8	35.5	53.3

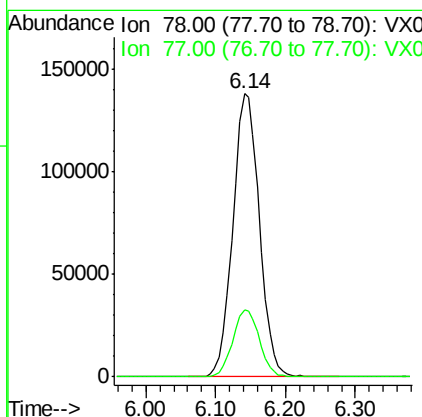
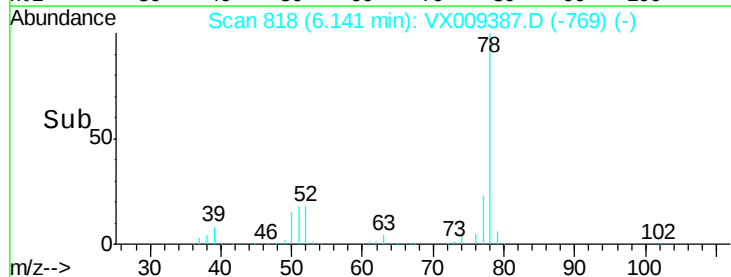
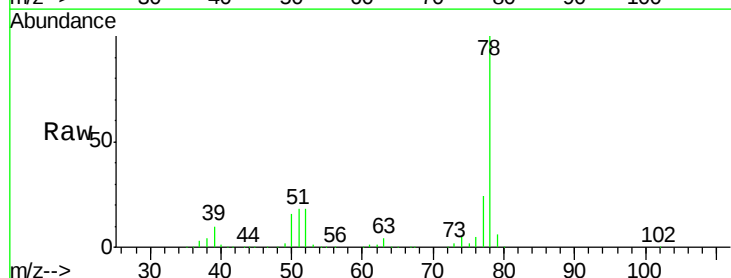
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#40
Benzene
Concen: 47.550 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion	78	Resp	363247
Ion Ratio	Lower	Upper	
78	100		
77	23.7	18.8	28.2





#41

Methacrylonitrile

Concen: 49.470 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 101279

Ion Ratio Lower Upper

41 100

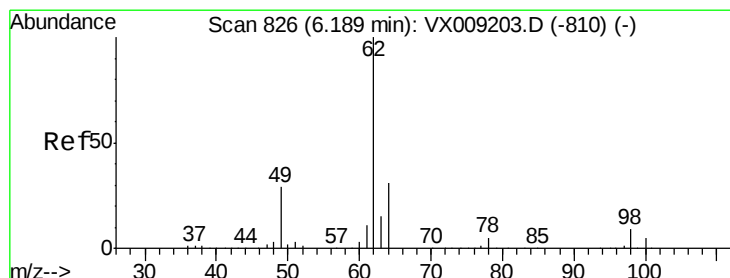
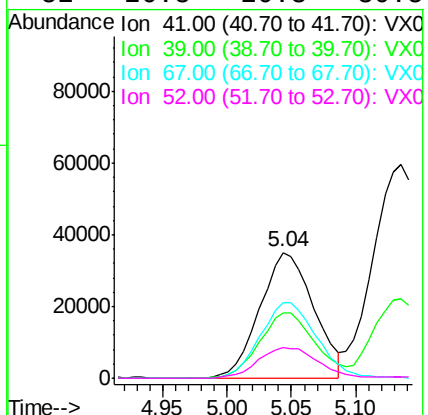
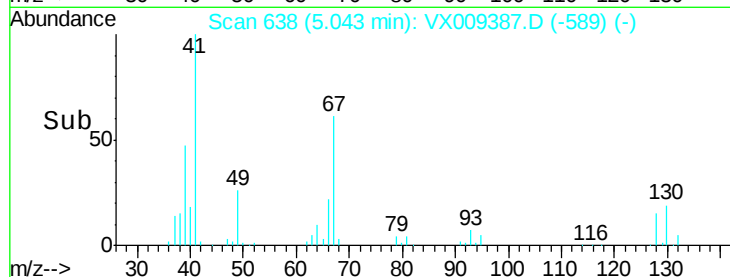
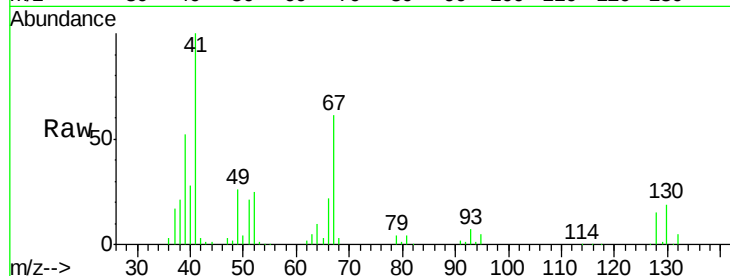
39 53.9 42.0 63.0

67 63.8 49.8 74.8

52 26.8 20.3 30.5

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 48.838 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX009387.D

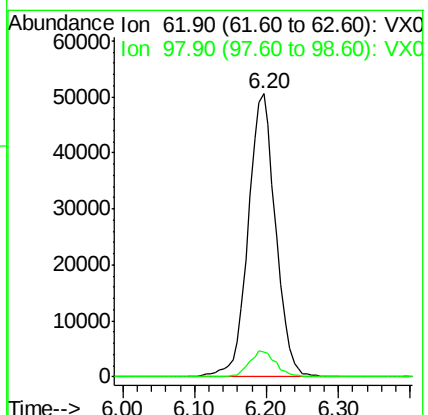
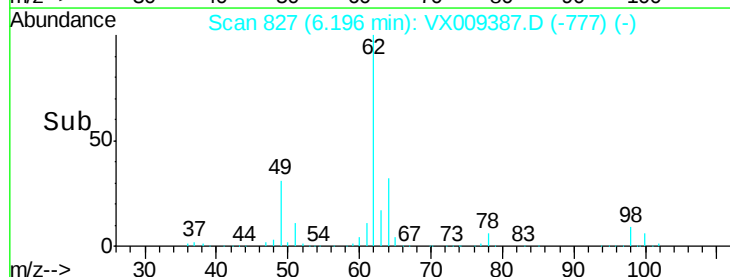
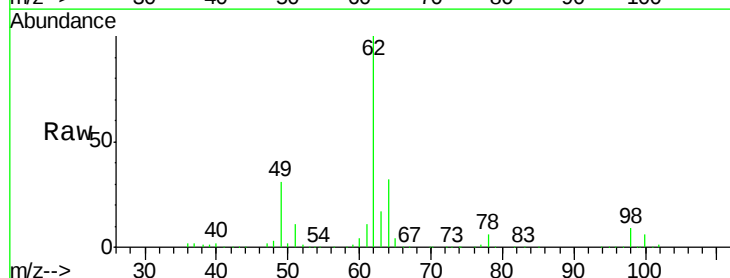
Acq: 07 May 2019 19:15

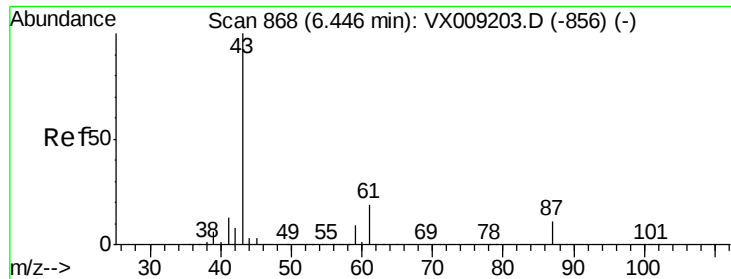
Tgt Ion: 62 Resp: 133832

Ion Ratio Lower Upper

62 100

98 8.9 0.0 18.2





#43

Isopropyl Acetate

Concen: 51.726 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

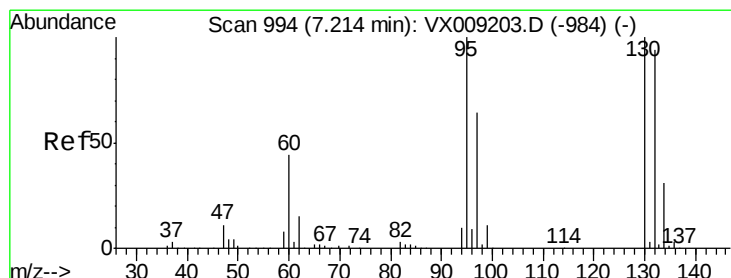
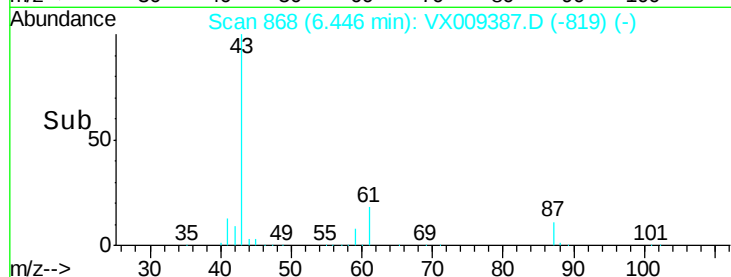
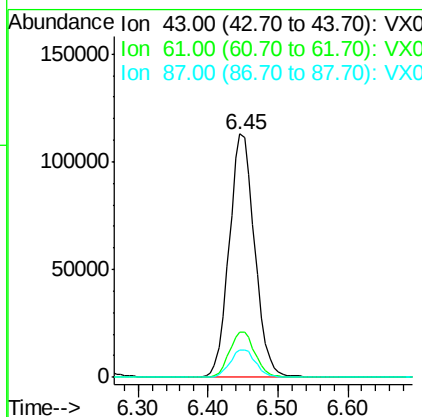
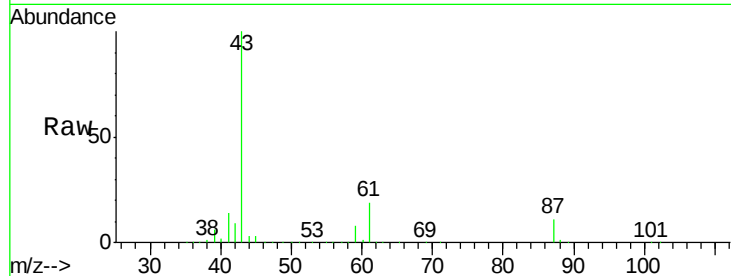
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	284558
Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.1	22.7
87	11.5	9.0	13.6

Manual Integrations
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#44

Trichloroethene

Concen: 47.043 ug/l

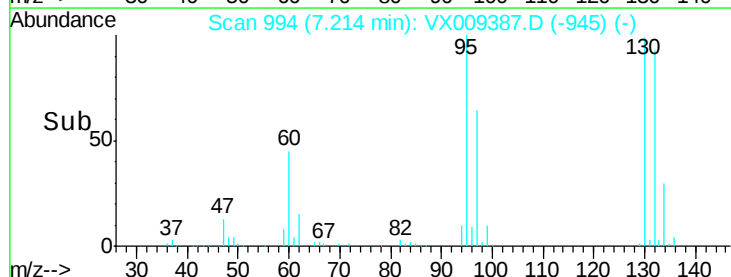
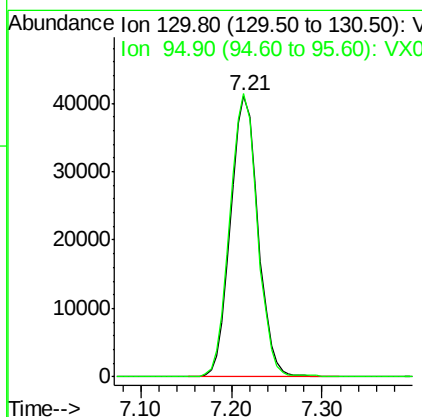
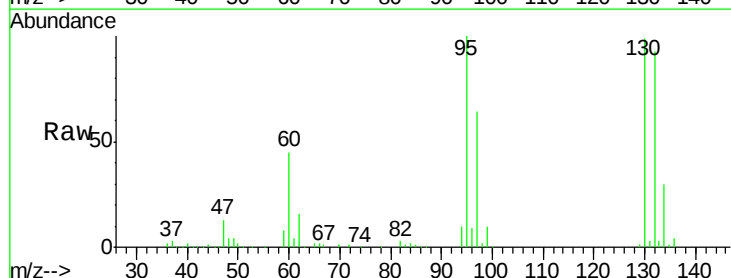
RT: 7.21 min Scan# 994

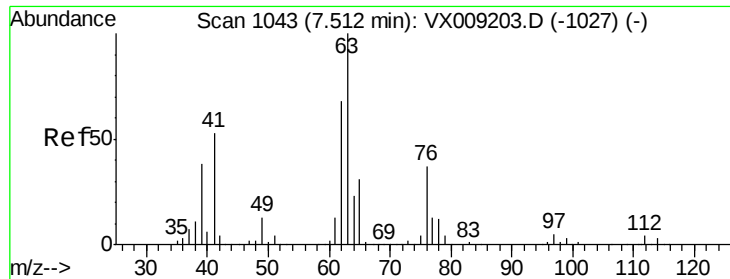
Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Tgt Ion:	130	Resp:	86880
Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	199.2





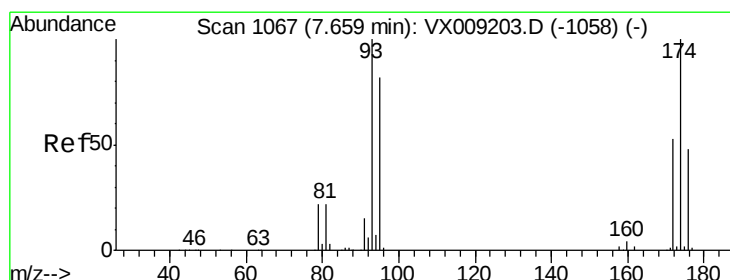
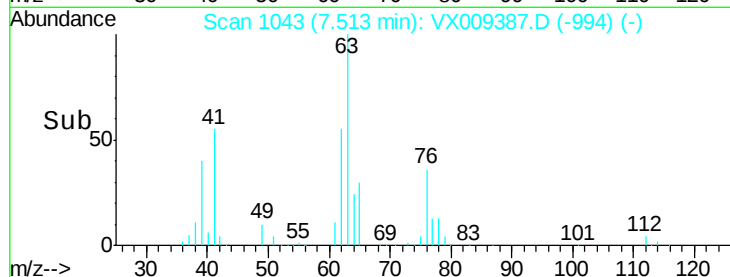
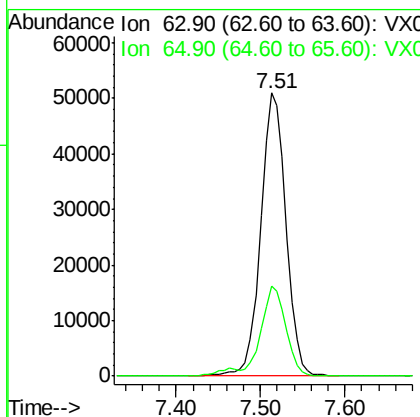
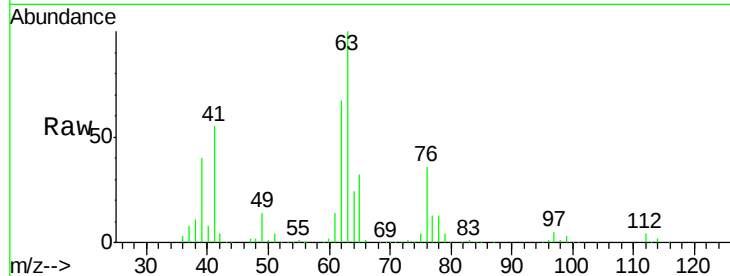
#45
 1,2-Dichloropropane
 Concen: 48.542 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009387.D
 Acq: 07 May 2019 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 105003
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.6

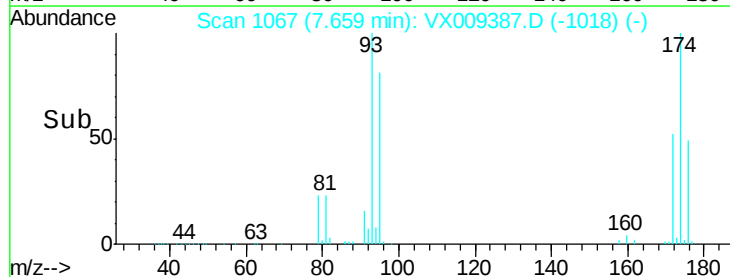
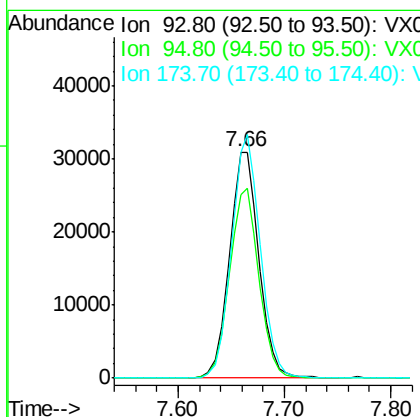
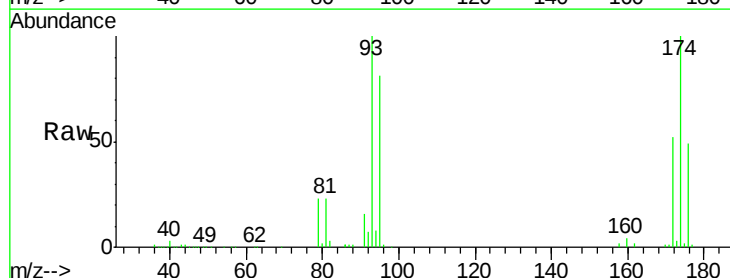
Manual Integrations
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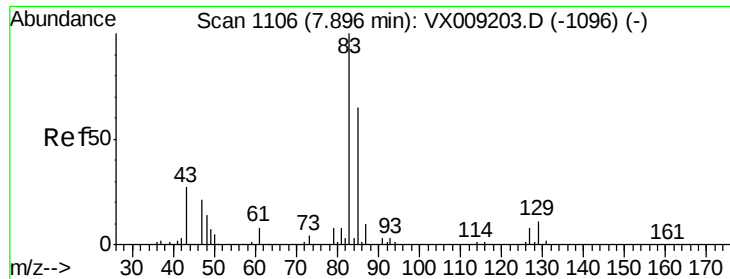
MMDadoda
 5/8/2019 10:40:46 AM



#46
 Dibromomethane
 Concen: 47.758 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009387.D
 Acq: 07 May 2019 19:15

Tgt Ion: 93 Resp: 59991
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.5 99.7
 174 105.1 82.1 123.1





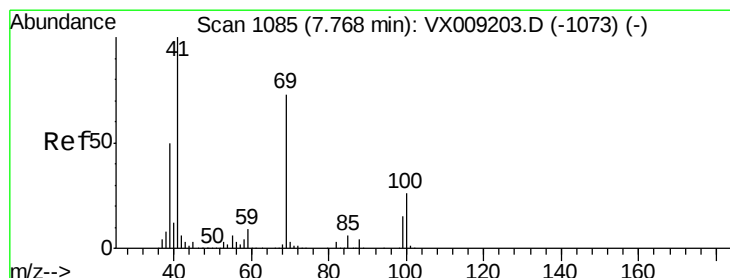
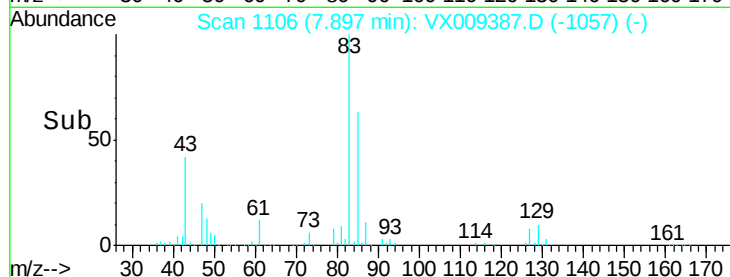
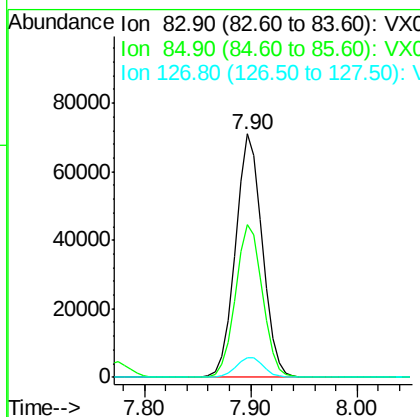
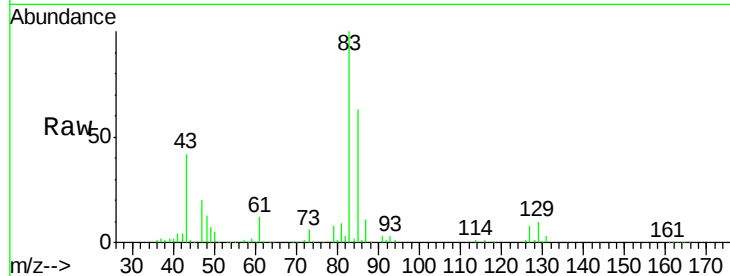
#47
Bromodichloromethane
Concen: 50.038 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	125379		
85	62.8		52.4	78.6
127	8.1		6.6	10.0

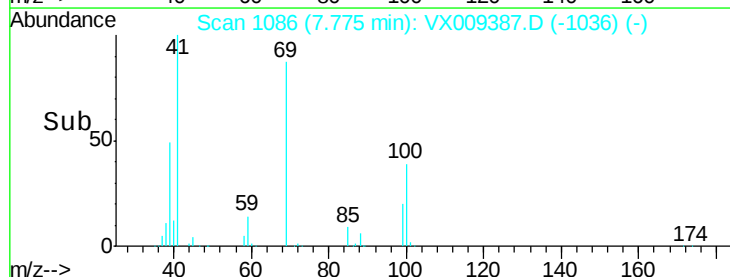
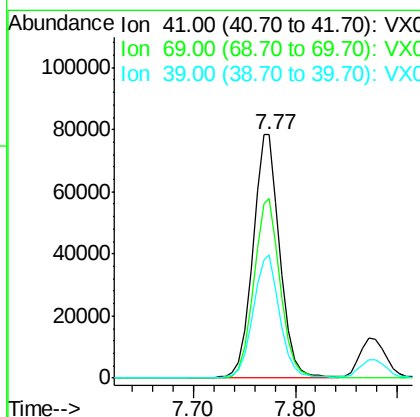
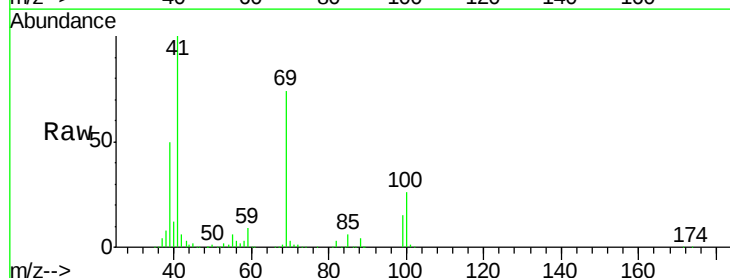
Manual Integrations
APPROVED

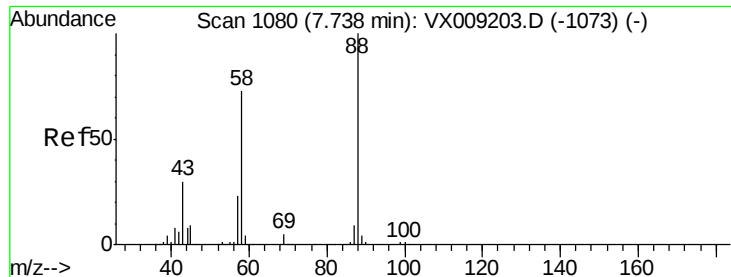
MMDadoda
5/8/2019 10:40:46 AM



#48
Methyl methacrylate
Concen: 52.608 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.01 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	143582		
69	73.0		59.1	88.7
39	50.1		40.4	60.6





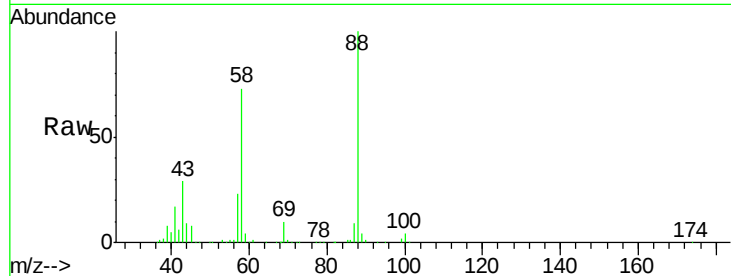
#49
1,4-Dioxane
Concen: 1077.172 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	28.6	42.8
58	75.7	61.7	92.5

Manual Integrations
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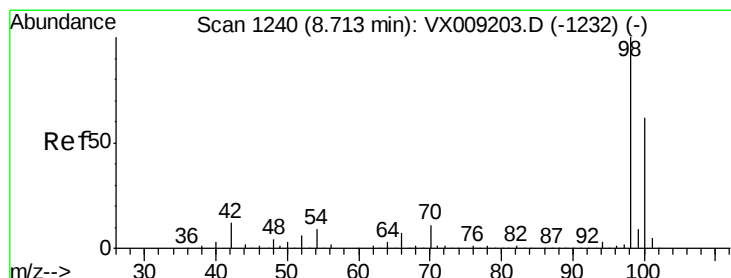
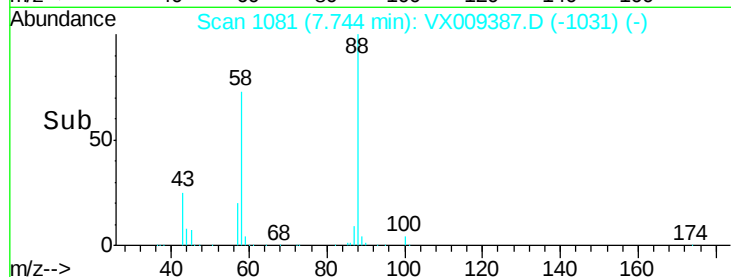
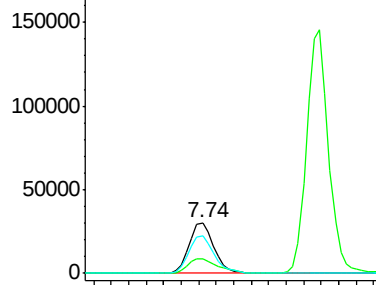


Abundance

Ion 88.00 (87.70 to 88.70): VX0

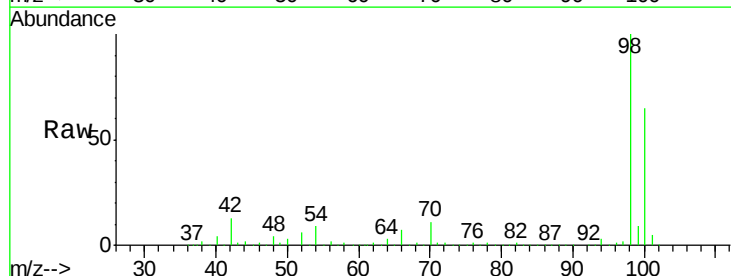
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 49.787 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

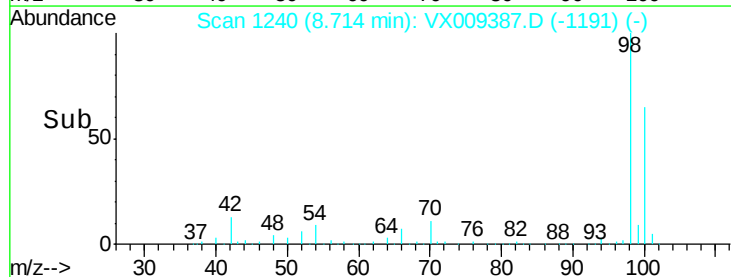
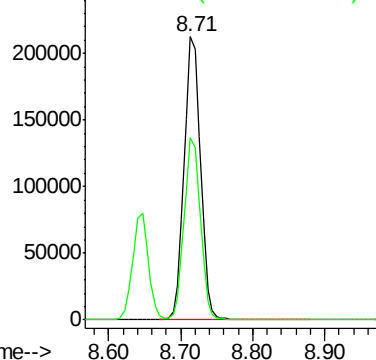
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.2	76.8

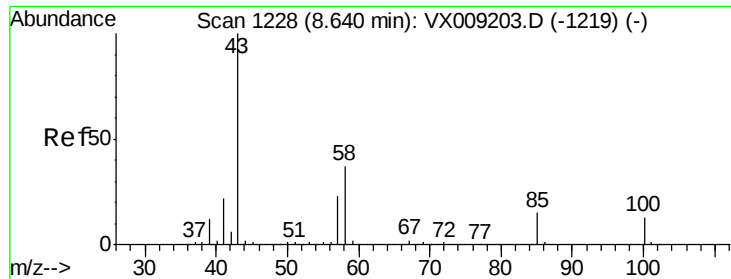


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 272.320 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 979184

Ion Ratio Lower Upper

43 100

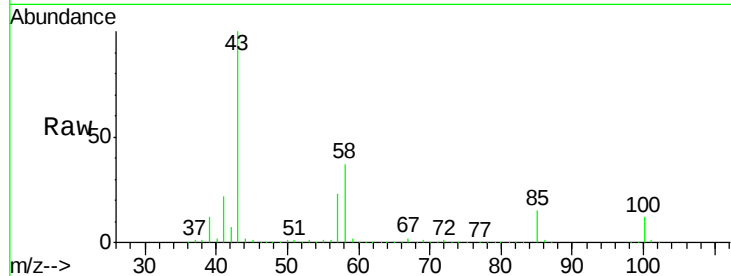
58 36.7 29.5 44.3

Manual Integrations

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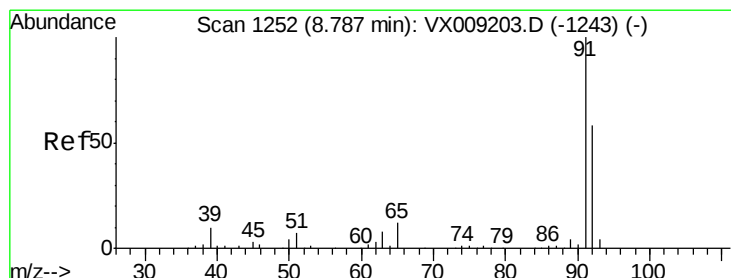
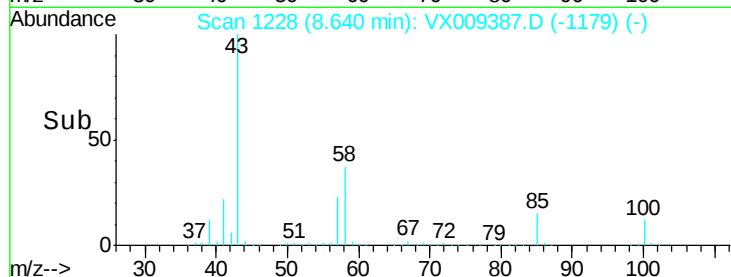
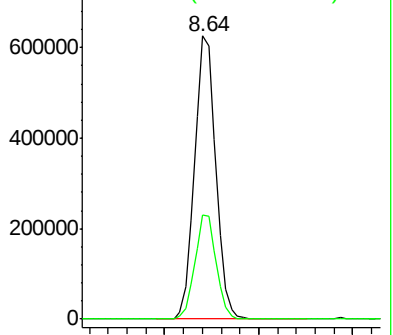
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 47.644 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009387.D

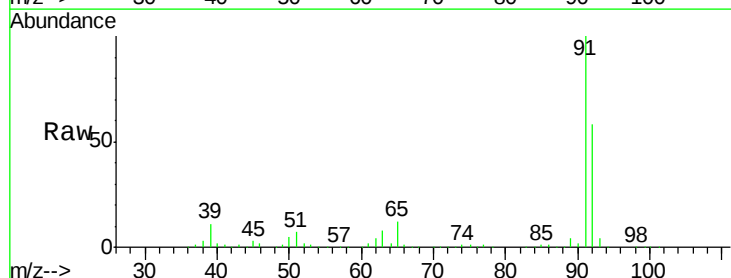
Acq: 07 May 2019 19:15

Tgt Ion: 92 Resp: 221243

Ion Ratio Lower Upper

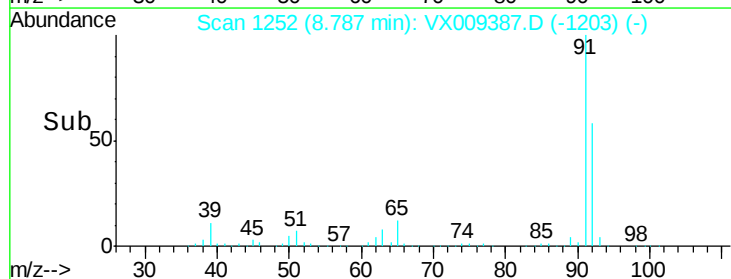
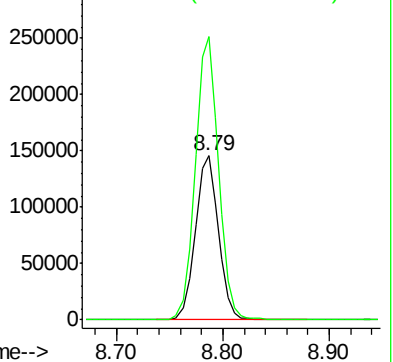
92 100

91 173.6 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





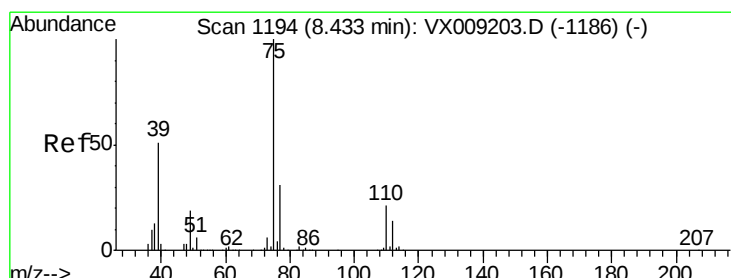
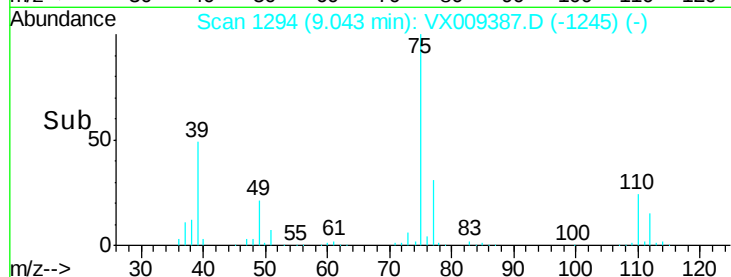
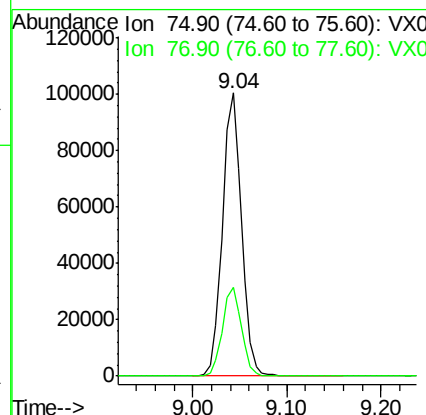
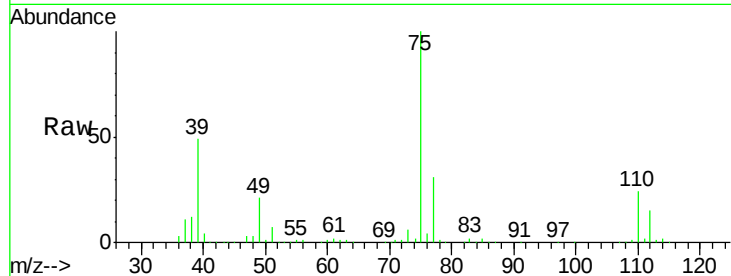
#53
t-1,3-Dichloropropene
Concen: 49.917 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 141213
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.6

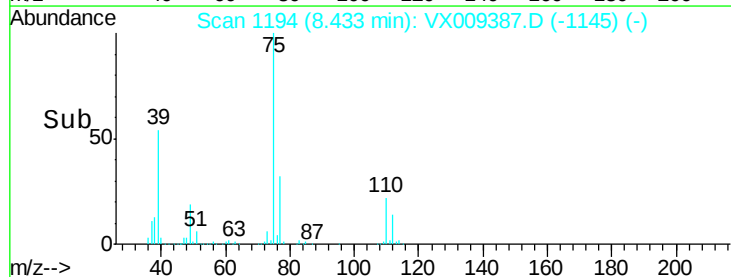
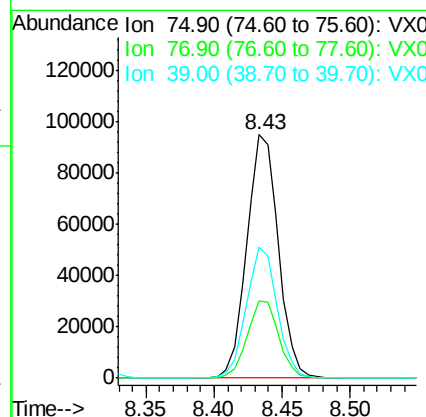
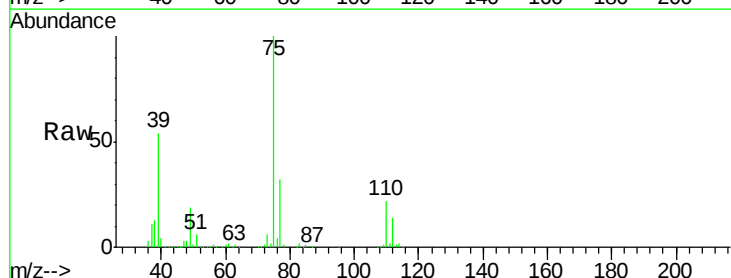
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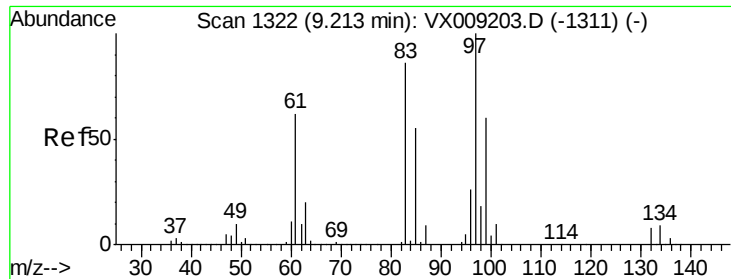
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#54
cis-1,3-Dichloropropene
Concen: 49.118 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion: 75 Resp: 153799
Ion Ratio Lower Upper
75 100
77 31.8 24.6 36.8
39 53.8 40.6 60.8





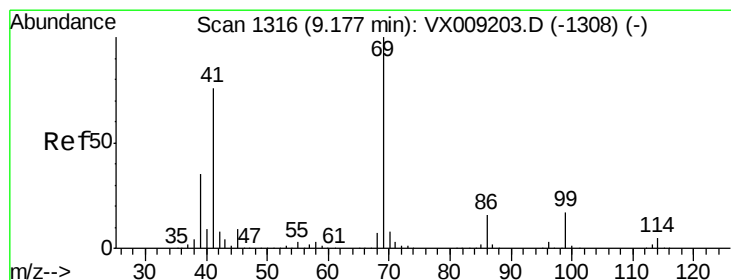
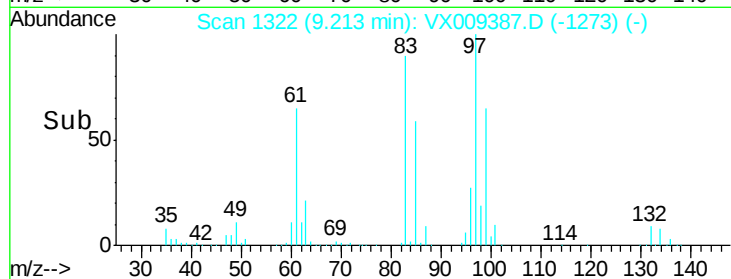
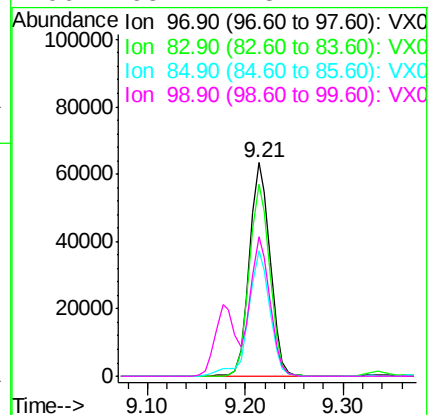
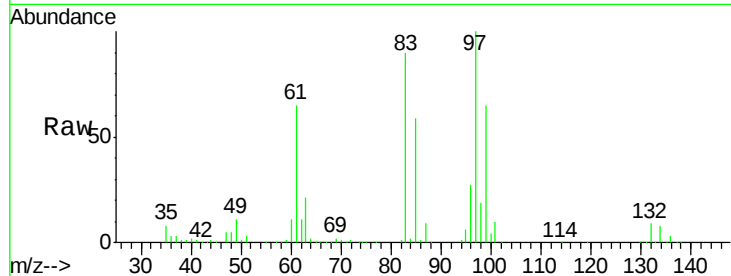
#55
1,1,2-Trichloroethane
Concen: 49.222 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	97	Resp:	93251
Ion	Ratio	Lower	Upper
97	100		
83	89.7	68.9	103.3
85	58.9	43.8	65.6
99	65.2	48.2	72.2

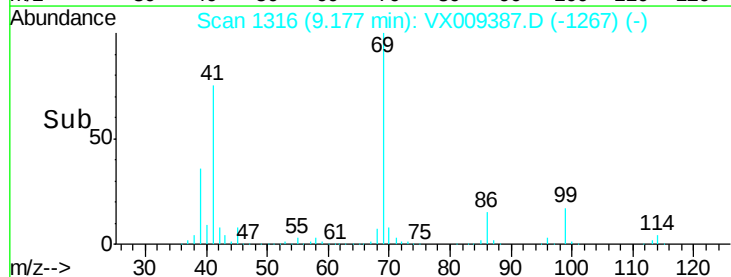
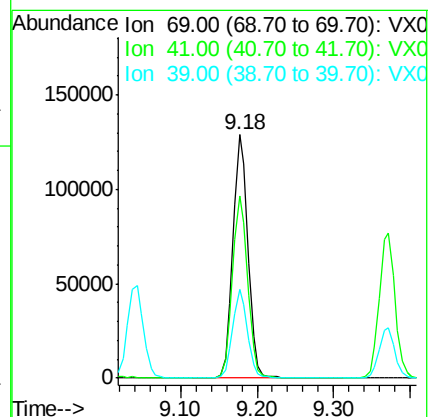
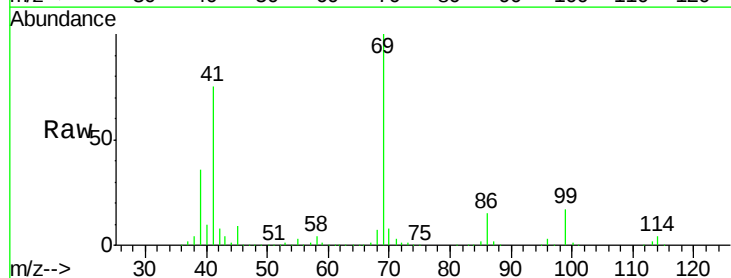
Manual Integrations
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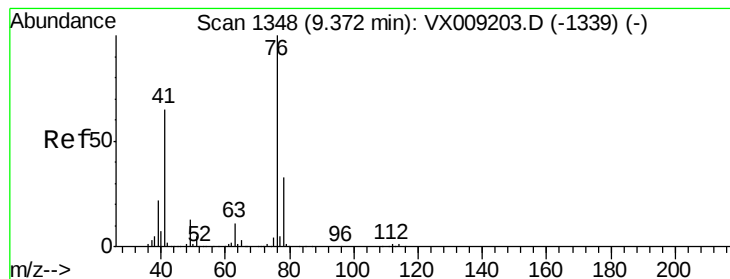
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5/8/2019 10:40:46 AM



#56
Ethyl methacrylate
Concen: 52.249 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion:	69	Resp:	176695
Ion	Ratio	Lower	Upper
69	100		
41	75.1	60.6	90.8
39	35.6	28.2	42.4





#57

1,3-Dichloropropane

Concen: 49.721 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 165762

Ion Ratio Lower Upper

76 100

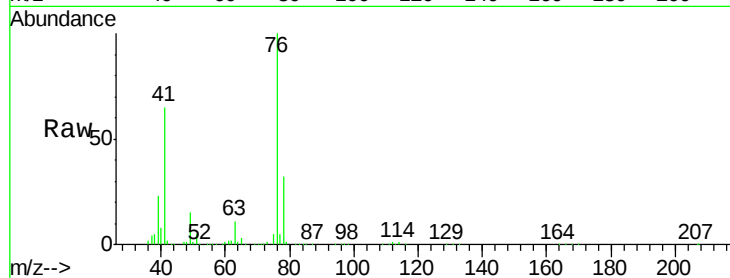
78 32.0 25.5 38.3

Manual Integrations

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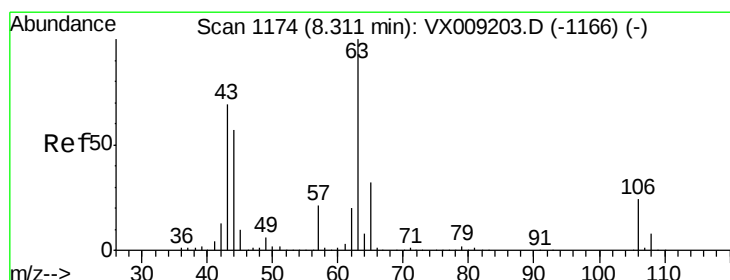
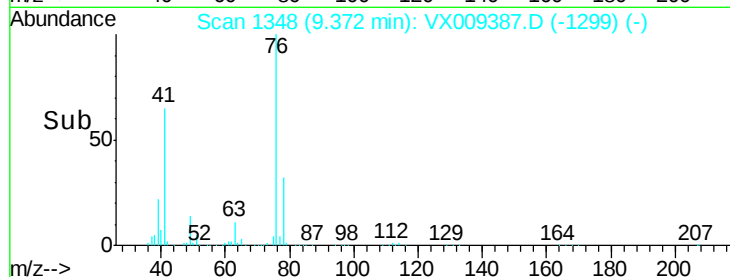
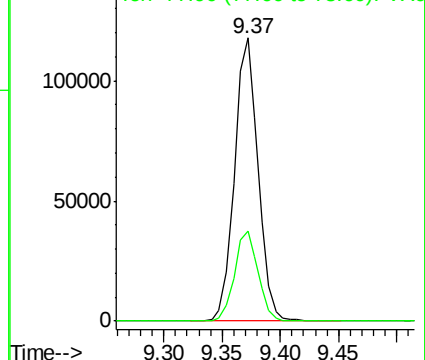
MMDadoda

5/8/2019 10:40:46 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 258.275 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009387.D

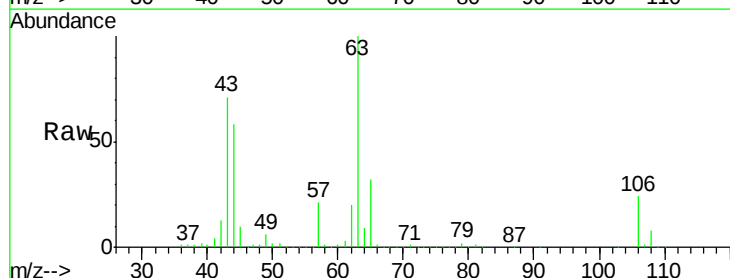
Acq: 07 May 2019 19:15

Tgt Ion: 63 Resp: 463354

Ion Ratio Lower Upper

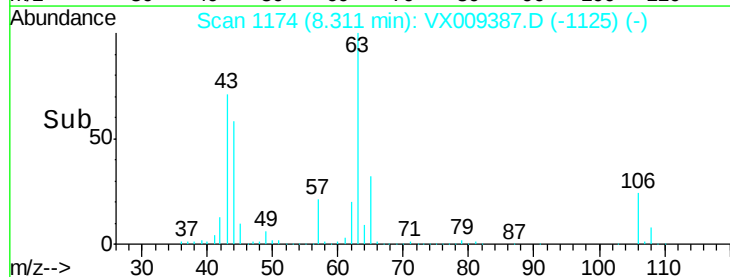
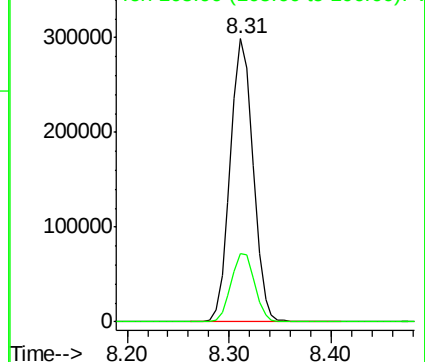
63 100

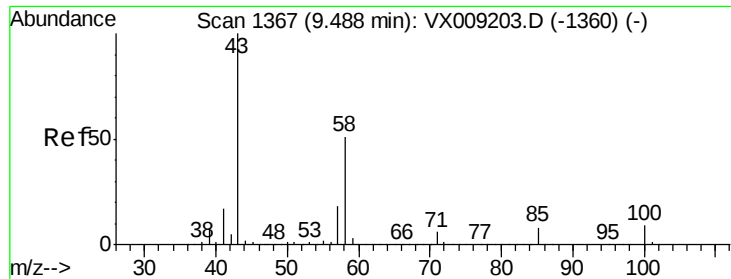
106 24.9 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





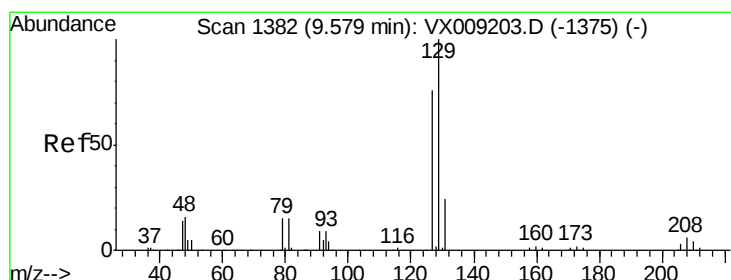
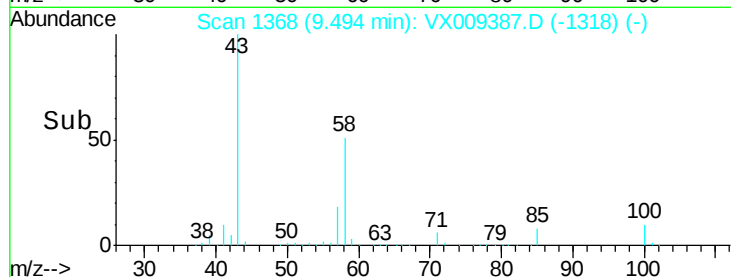
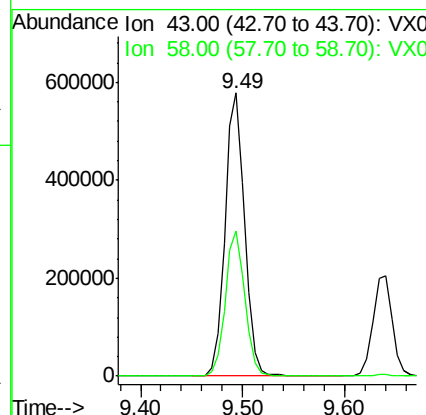
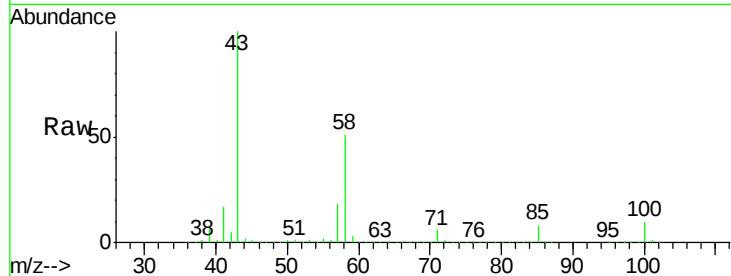
#59
2-Hexanone
Concen: 272.883 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 770628
Ion Ratio Lower Upper
43 100
58 51.4 25.9 77.7

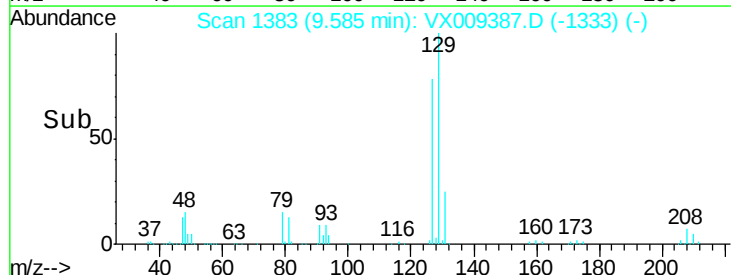
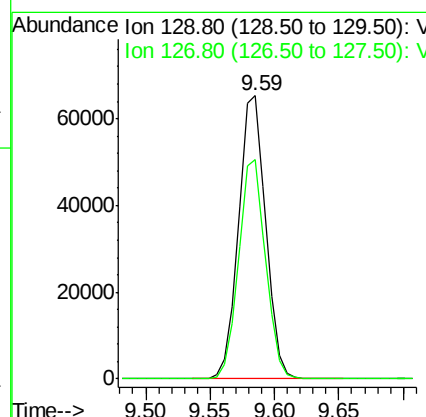
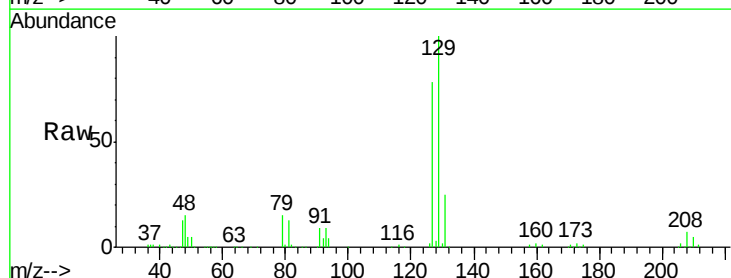
Manual Integrations
APPROVED

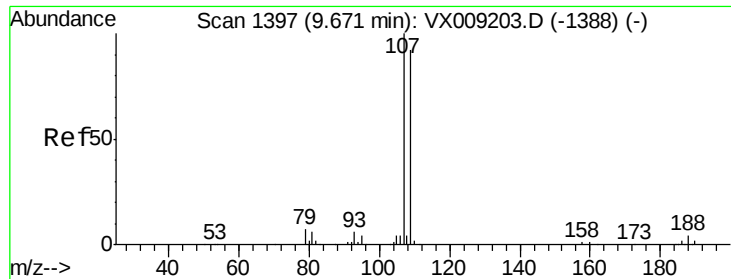
MMDadoda
5/8/2019 10:40:46 AM



#60
Dibromochloromethane
Concen: 51.692 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion: 129 Resp: 95648
Ion Ratio Lower Upper
129 100
127 76.8 38.4 115.1





#61

1,2-Dibromoethane

Concen: 49.633 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 94917

Ion Ratio Lower Upper

107 100

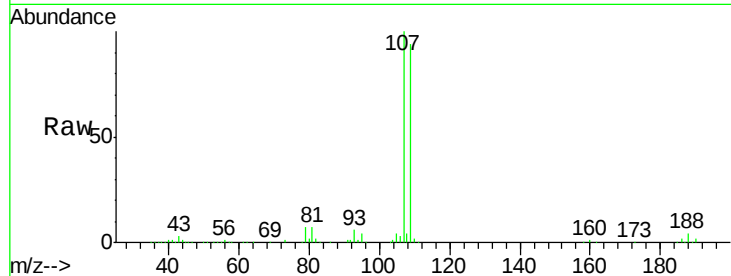
109 95.0 75.2 112.8

Manual Integrations

APPROVED

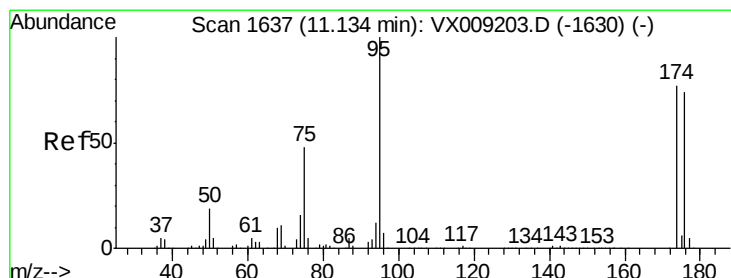
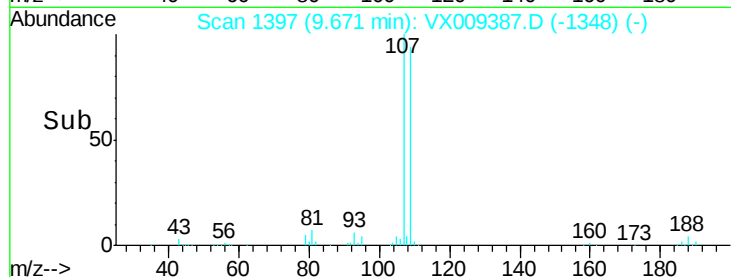
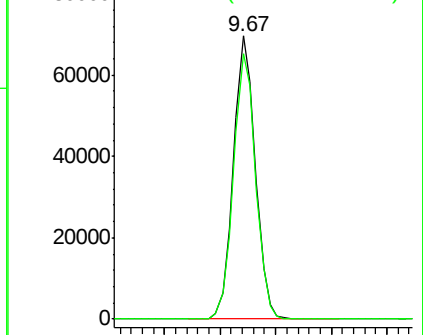
MMDadoda

5/8/2019 10:40:46 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.286 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

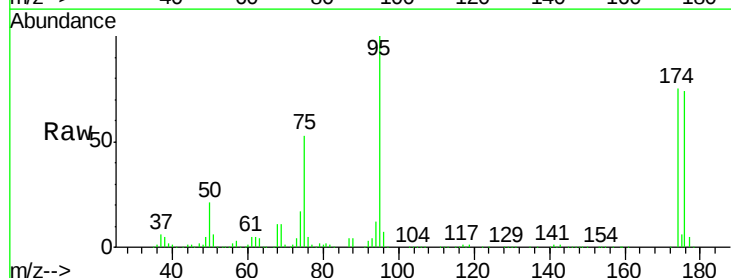
Tgt Ion: 95 Resp: 123176

Ion Ratio Lower Upper

95 100

174 81.0 0.0 161.6

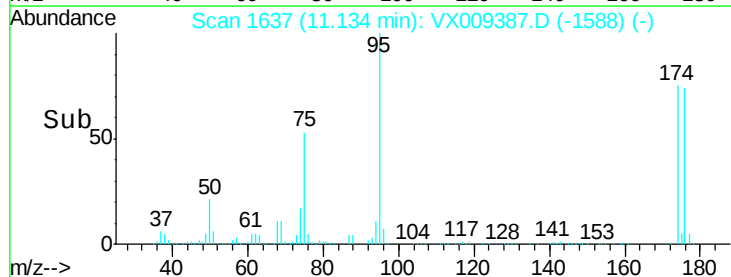
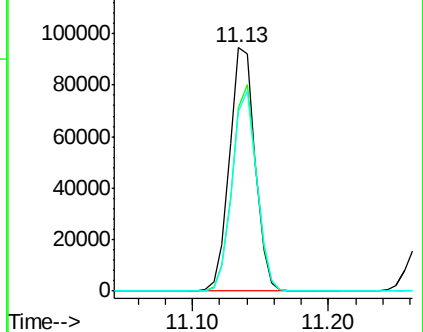
176 79.5 0.0 159.2

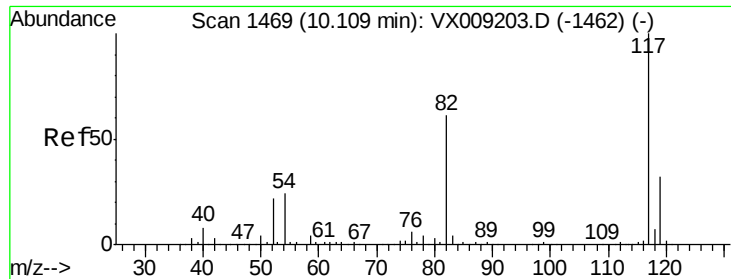


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





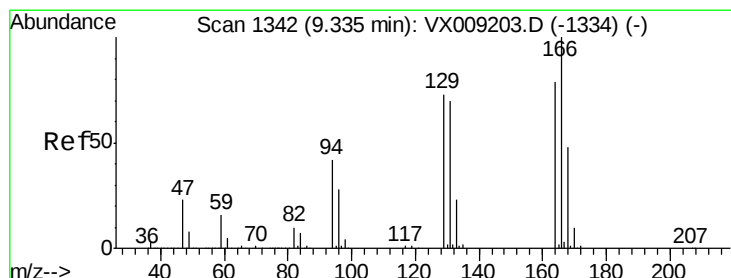
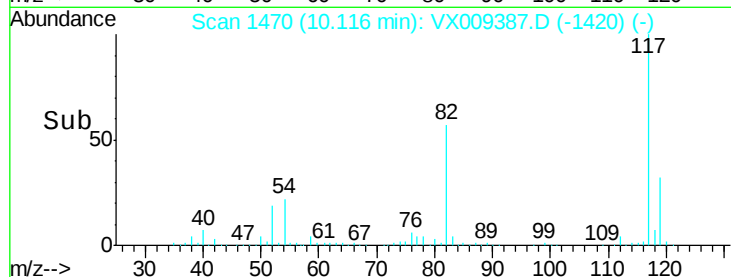
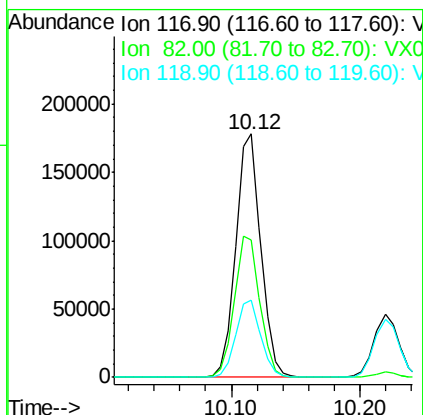
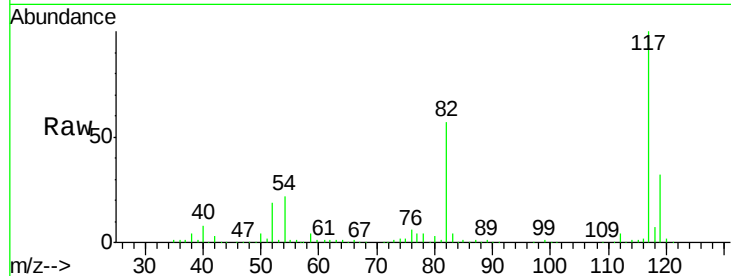
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	48.8	73.2
119	31.6	25.8	38.6

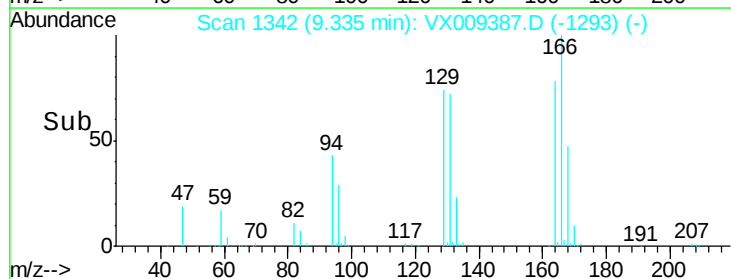
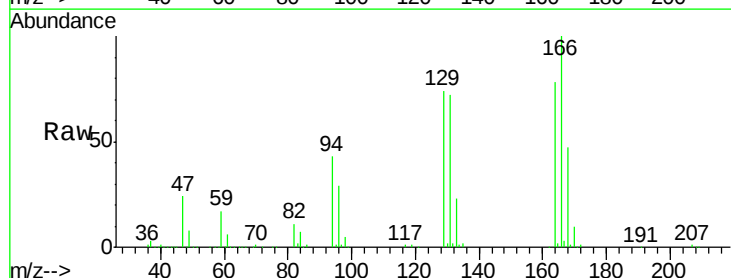
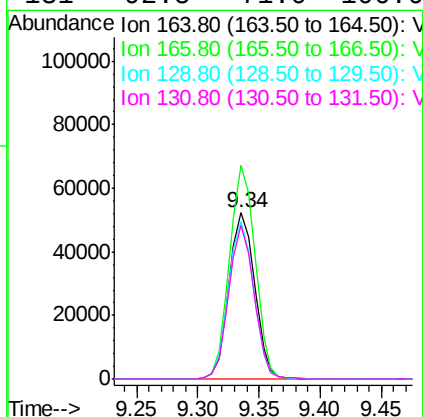
Manual Integrations
APPROVED

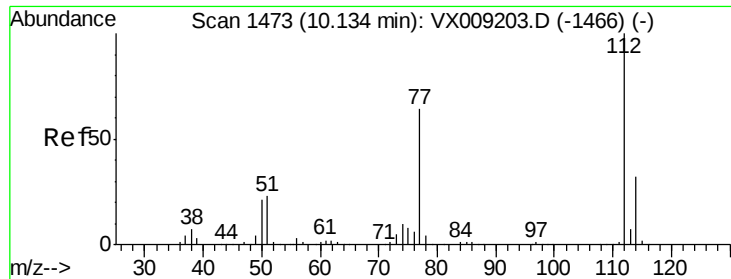
MMDadoda
5/8/2019 10:40:46 AM



#64
Tetrachloroethene
Concen: 46.310 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	101.2	151.8
129	94.5	74.3	111.5
131	92.5	71.0	106.6





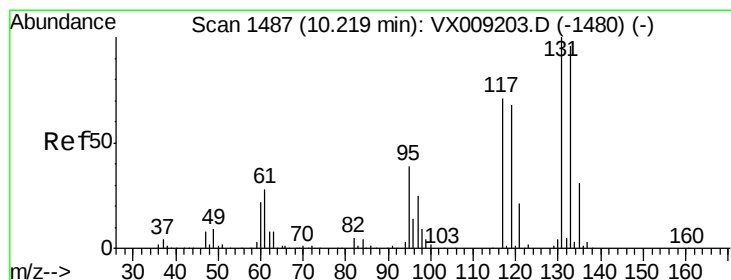
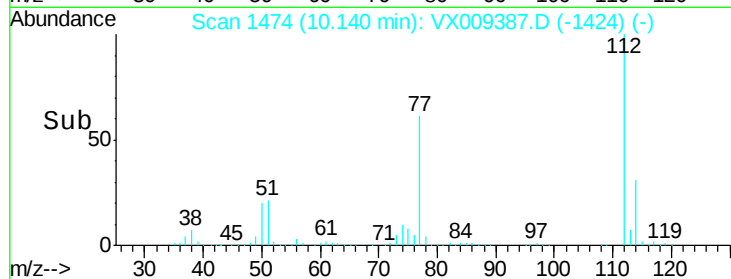
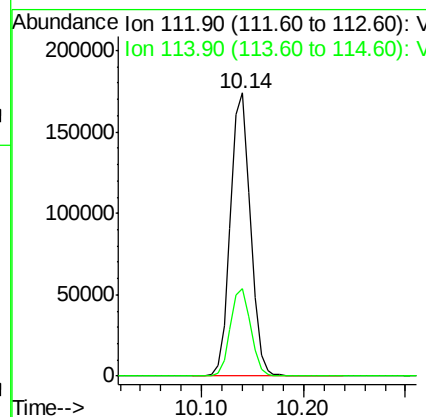
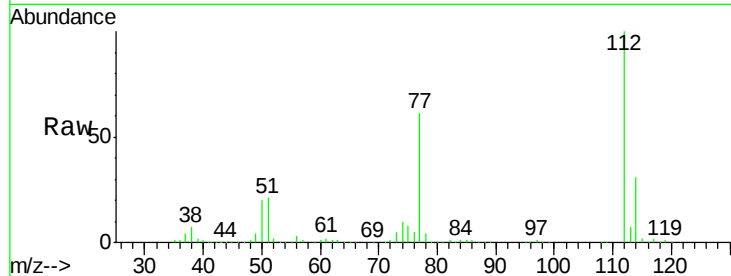
#65
Chlorobenzene
Concen: 49.150 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 236335
Ion Ratio Lower Upper
112 100
114 31.0 25.5 38.3

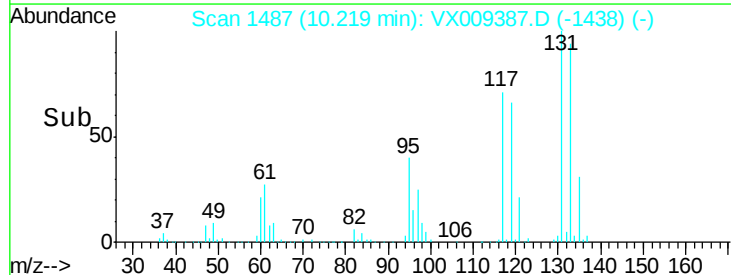
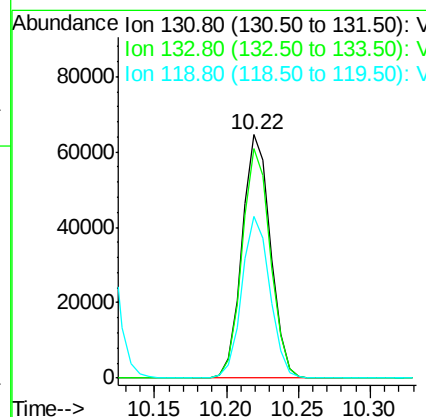
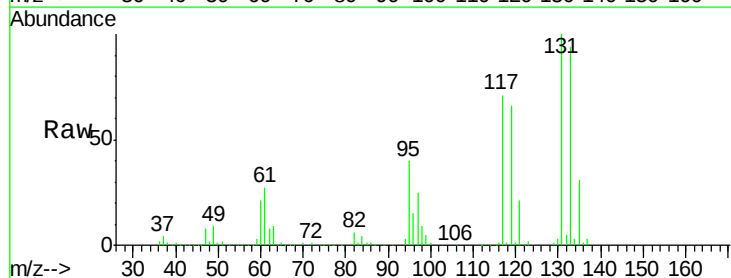
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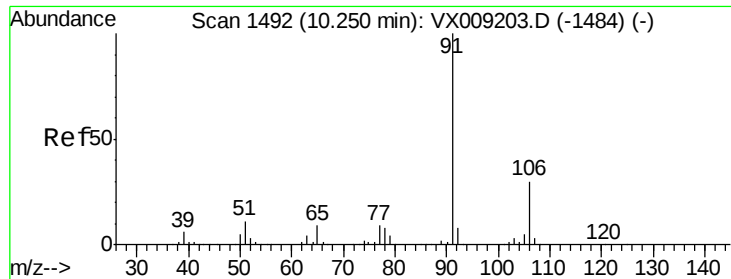
MMDadoda
5/8/2019 10:40:46 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.686 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion:131 Resp: 88359
Ion Ratio Lower Upper
131 100
133 93.8 47.7 143.1
119 65.4 33.5 100.4





#67

Ethyl Benzene

Concen: 48.771 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 431592

Ion Ratio Lower Upper

91 100

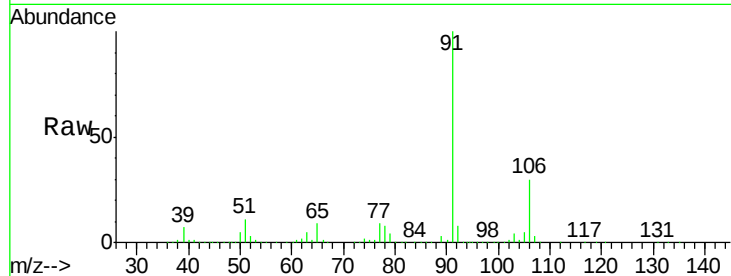
106 30.3 24.0 36.0

Manual Integrations

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MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX009387.D (-1443) (-)

Ion 106.00 (105.70 to 106.70): VX009387.D (-1443) (-)

500000

400000

300000

200000

100000

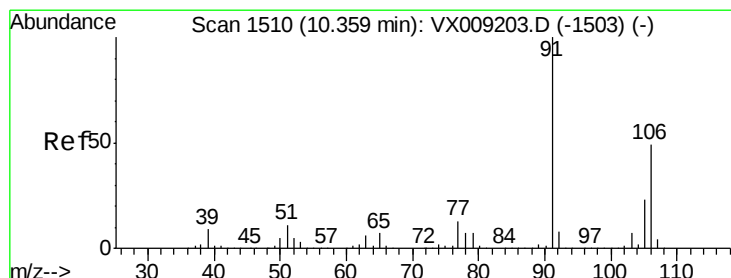
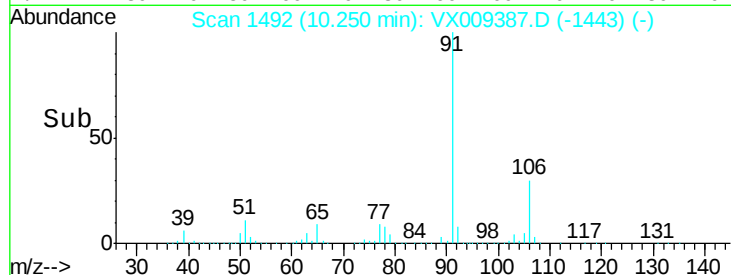
0

10.20

10.25

10.30

Time-->



#68

m/p-Xylenes

Concen: 98.565 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009387.D

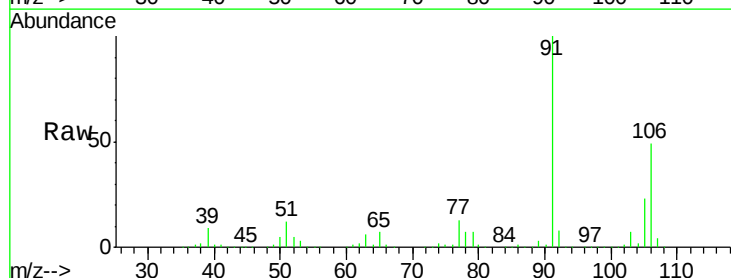
Acq: 07 May 2019 19:15

Tgt Ion: 106 Resp: 318747

Ion Ratio Lower Upper

106 100

91 205.7 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): VX009387.D (-1461) (-)

Ion 91.00 (90.70 to 91.70): VX009387.D (-1461) (-)

500000

400000

300000

200000

100000

0

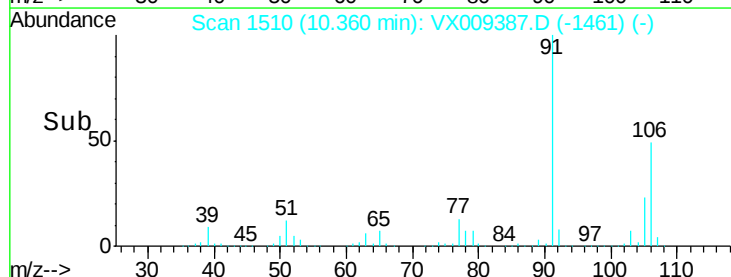
10.30

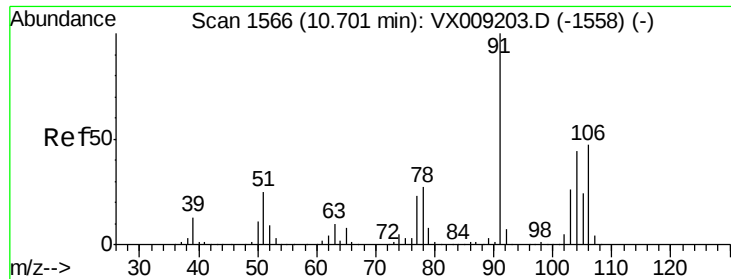
10.36

10.40

10.50

Time-->





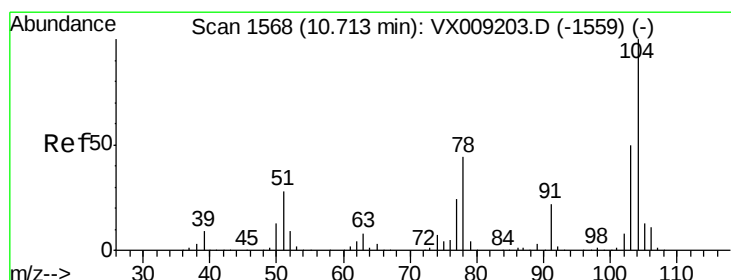
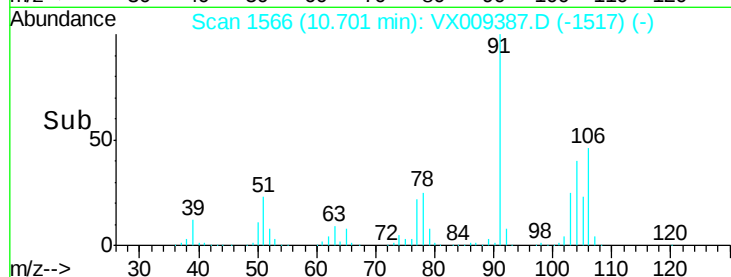
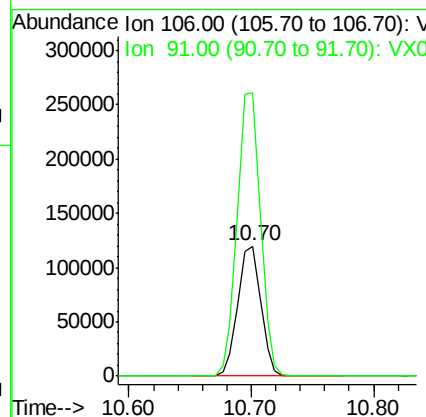
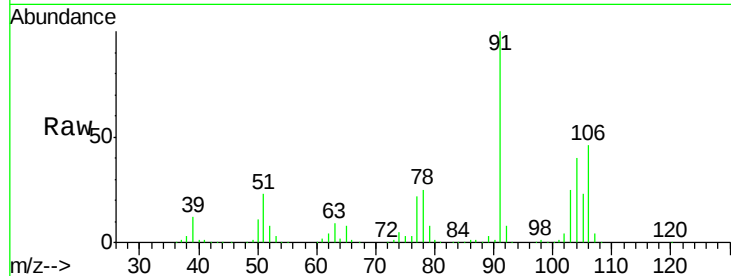
#69
o-Xylene
Concen: 48.937 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 156144
Ion Ratio Lower Upper
106 100
91 220.1 109.5 328.4

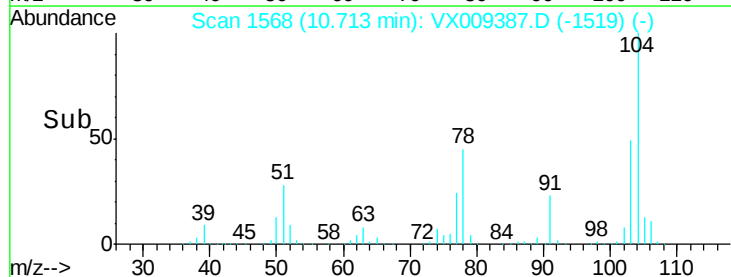
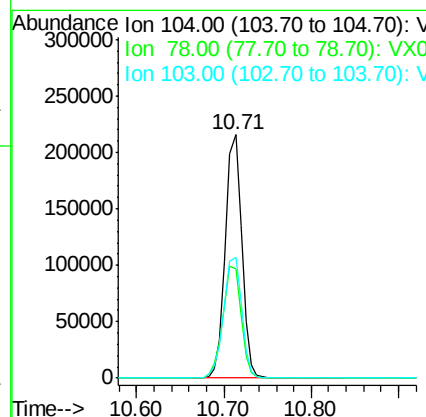
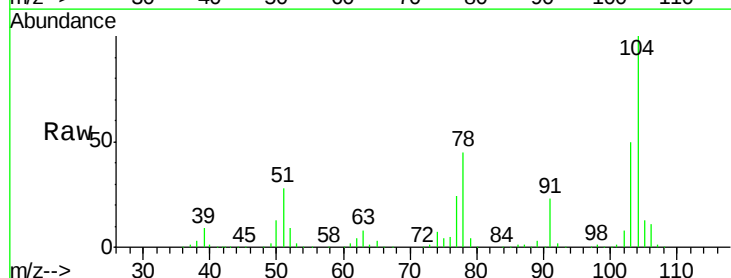
Manual Integrations
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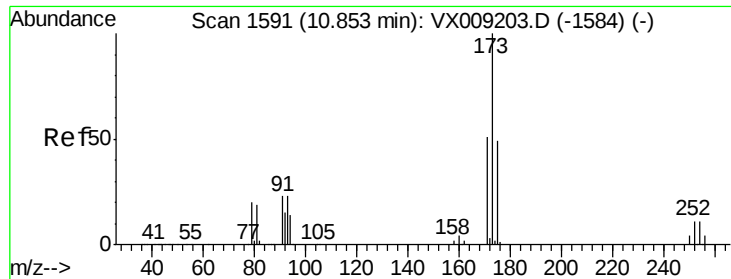
MMDadoda
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#70
Styrene
Concen: 50.491 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion:104 Resp: 280005
Ion Ratio Lower Upper
104 100
78 51.1 41.0 61.4
103 55.0 43.8 65.6





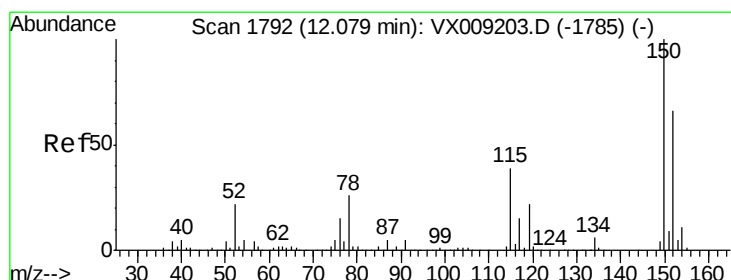
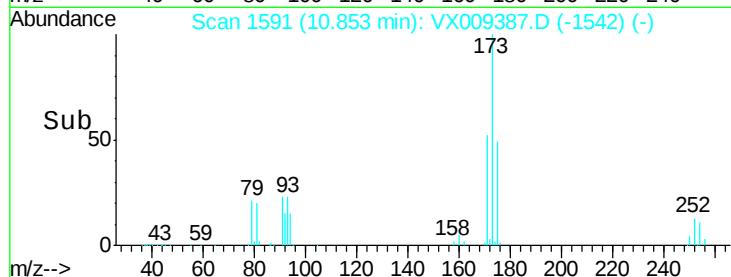
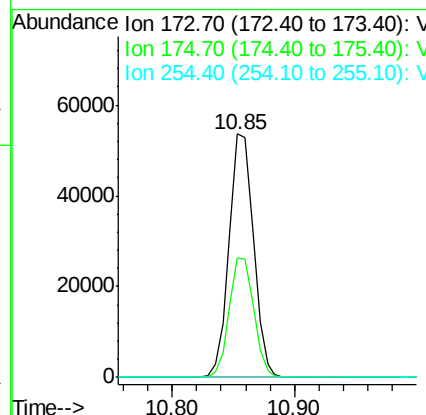
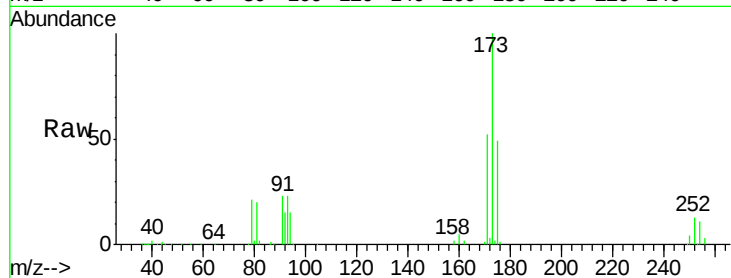
#71
Bromoform
Concen: 52.471 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.5	73.5
254	0.0	0.1	0.1#

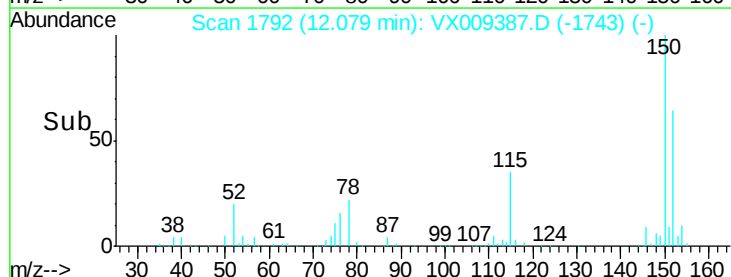
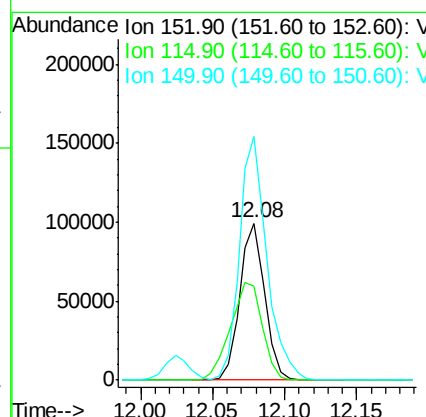
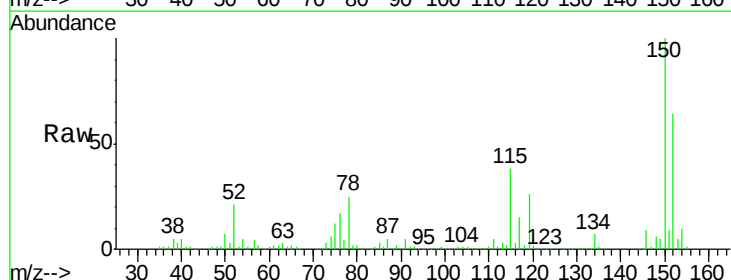
Manual Integrations
APPROVED

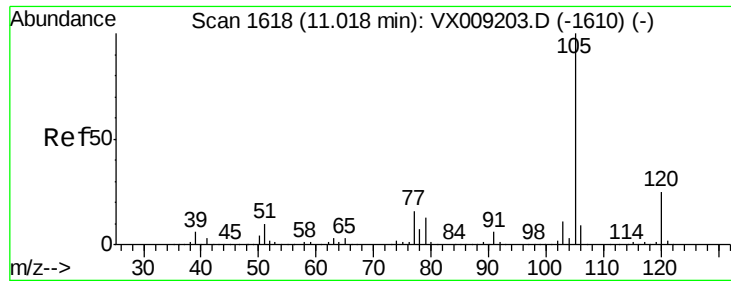
MMDadoda
5/8/2019 10:40:46 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	80.5	41.2	123.6
150	171.2	0.0	346.4





#73

Isopropylbenzene

Concen: 48.706 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 423361

Ion Ratio Lower Upper

105 100

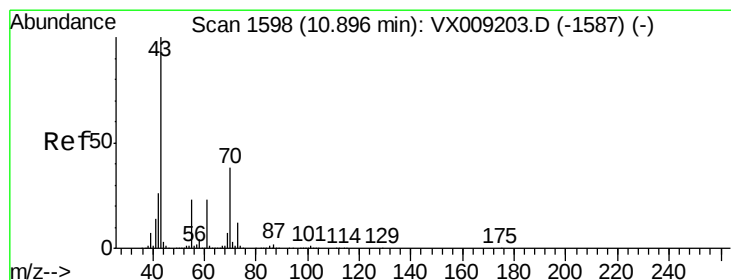
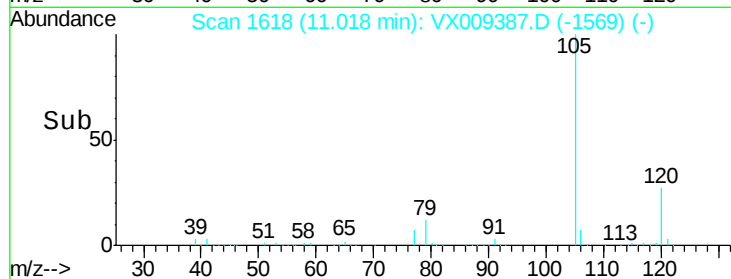
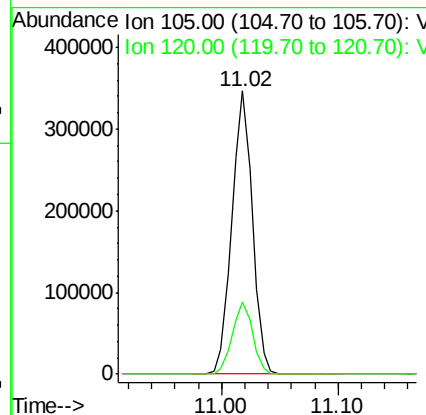
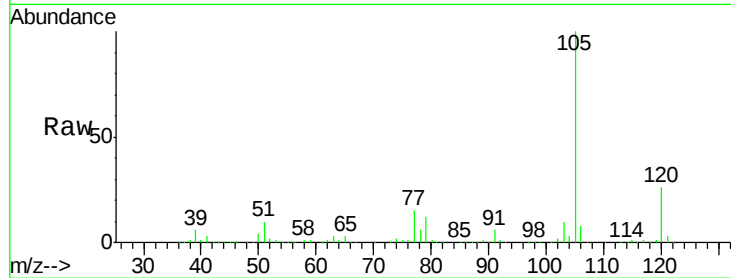
120 25.6 12.8 38.3

Manual Integrations

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MMDadoda

5/8/2019 10:40:46 AM



#74

N-ethyl acetate

Concen: 51.827 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Tgt Ion: 43 Resp: 262639

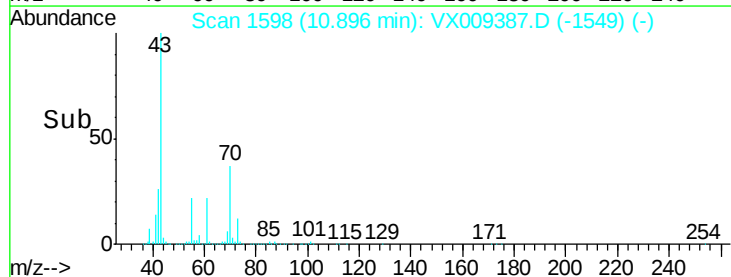
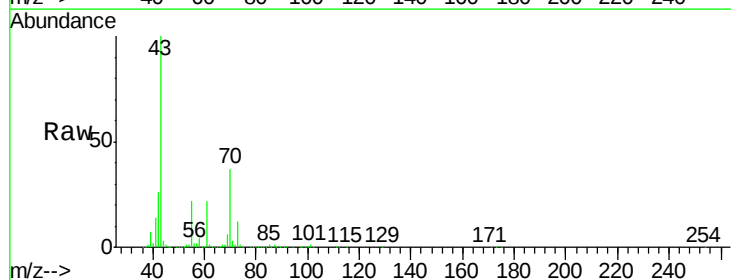
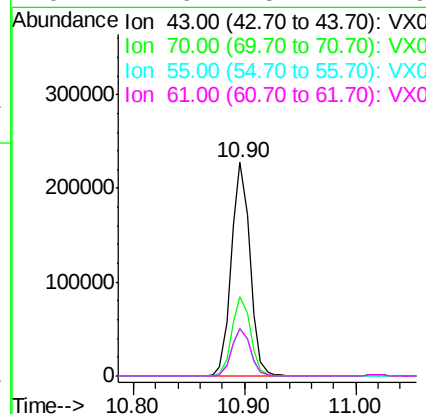
Ion Ratio Lower Upper

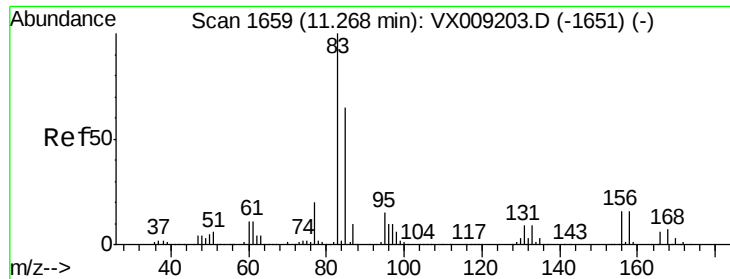
43 100

70 37.3 30.0 45.0

55 22.5 17.9 26.9

61 22.6 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.819 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

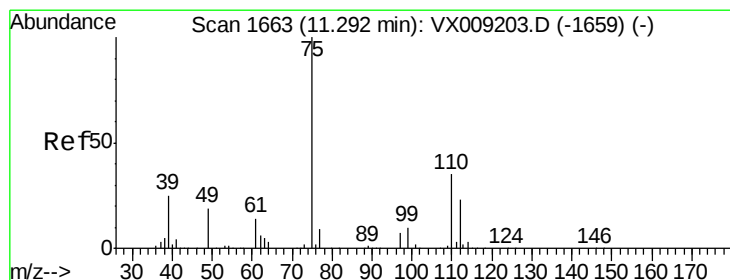
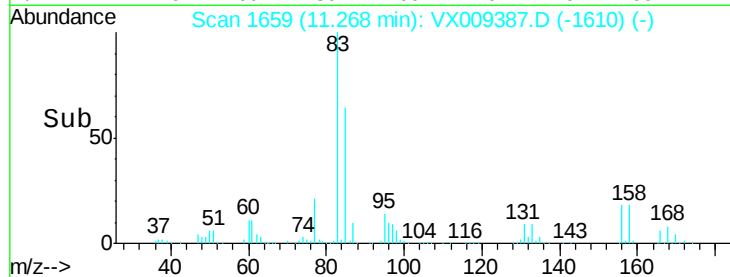
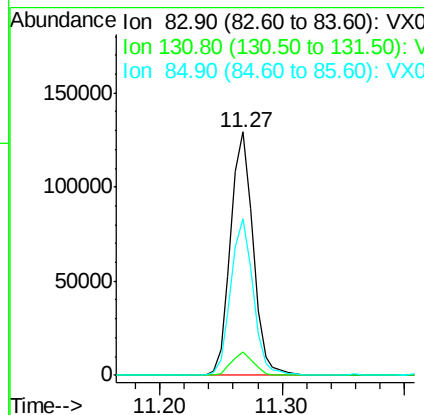
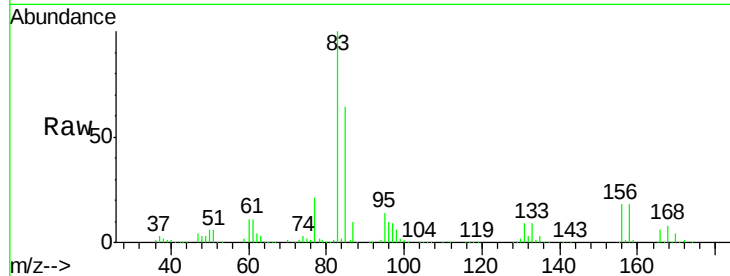
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	164669
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.6	13.8
85	63.7	32.0	96.2

Manual Integrations
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MMDadoda
5/8/2019 10:40:46 AM



#76

1,2,3-Trichloropropane

Concen: 49.967 ug/l m

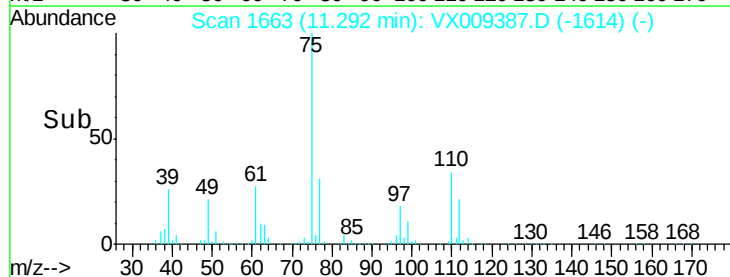
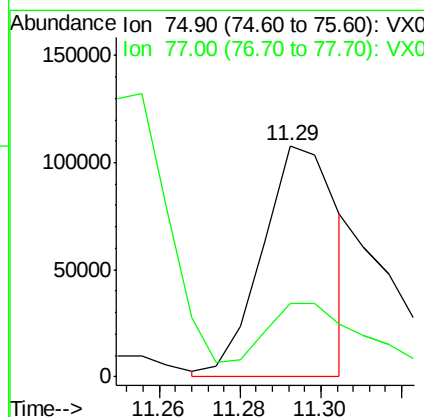
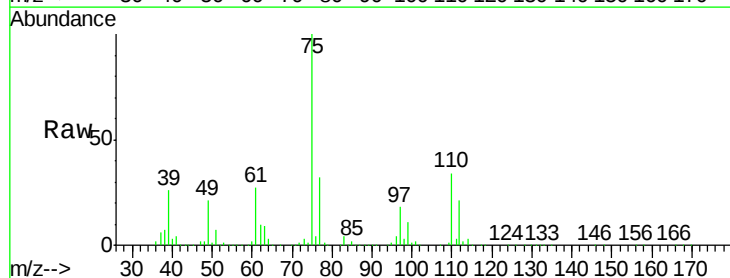
RT: 11.29 min Scan# 1663

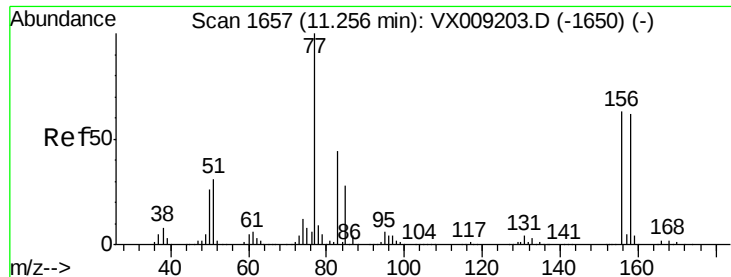
Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Tgt Ion:	75	Resp:	138542
Ion Ratio	Lower	Upper	
75	100		
77	44.7	22.1	66.1





#77

Bromobenzene

Concen: 48.885 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

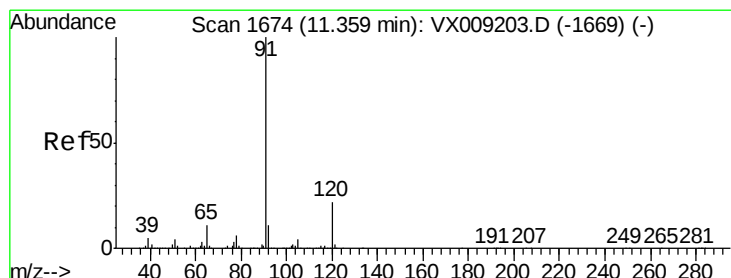
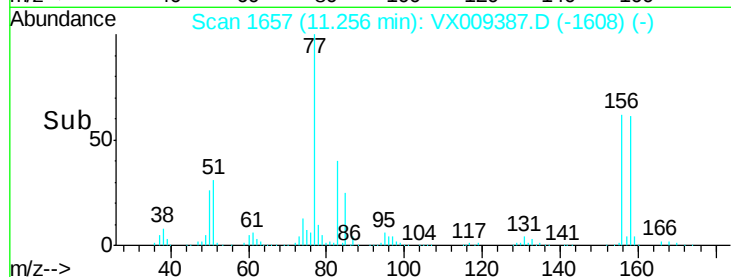
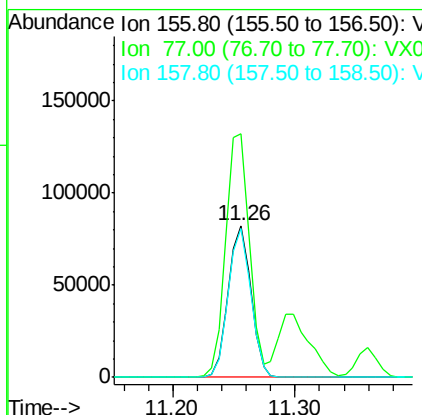
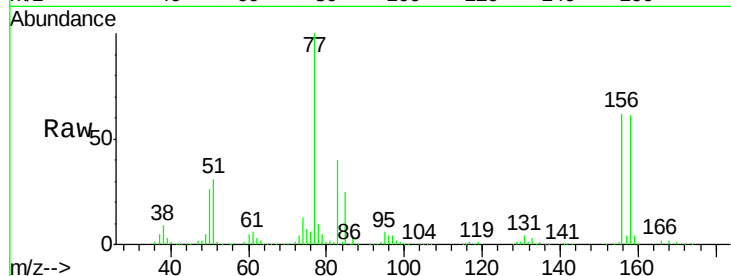
ClientSampled :

VSTDCCC050EC

Tot Ion:	156	Resp:	105465
Ion Ratio	Lower	Upper	
156	100		
77	167.4	84.8	254.3
158	97.7	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 48.286 ug/l

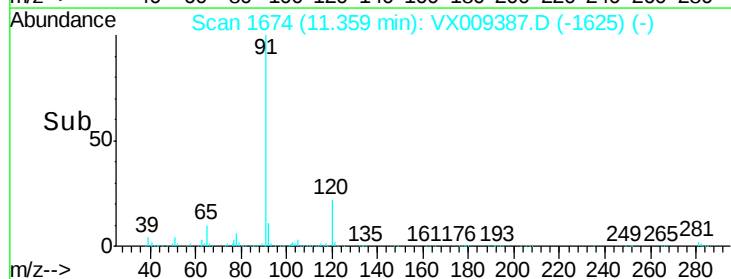
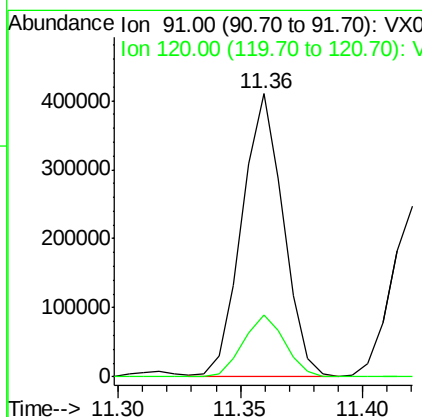
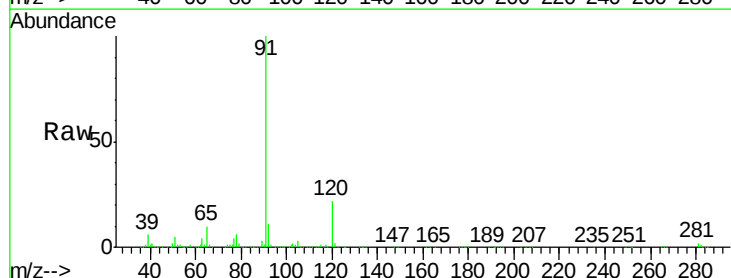
RT: 11.36 min Scan# 1674

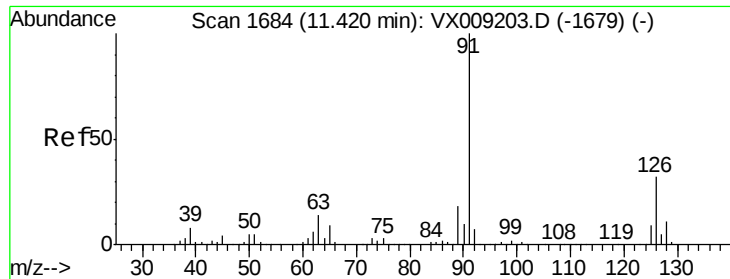
Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Tgt Ion:	91	Resp:	479329
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.0	33.0





#79

2-Chlorotoluene

Concen: 47.407 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 290337

Ion Ratio Lower Upper

91 100

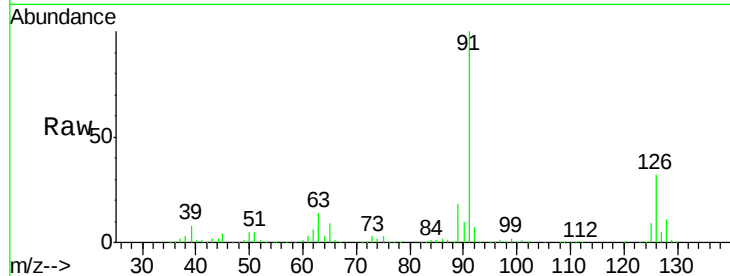
126 32.5 16.3 48.9

Manual Integrations

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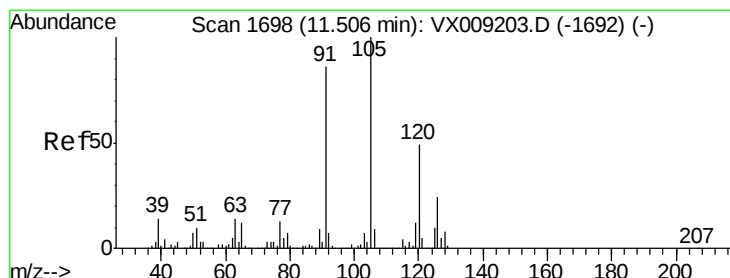
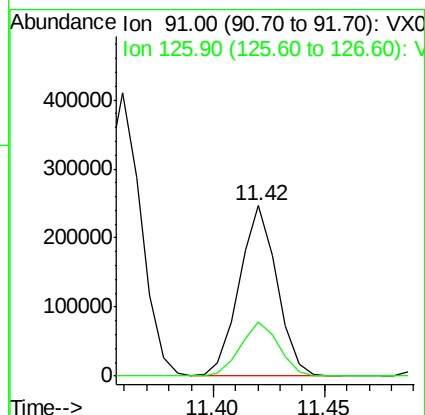
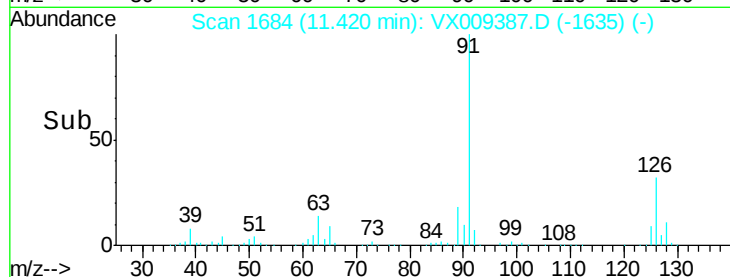
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Abundance Ion 91.00 (90.70 to 91.70): VX009387.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX009387.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.752 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009387.D

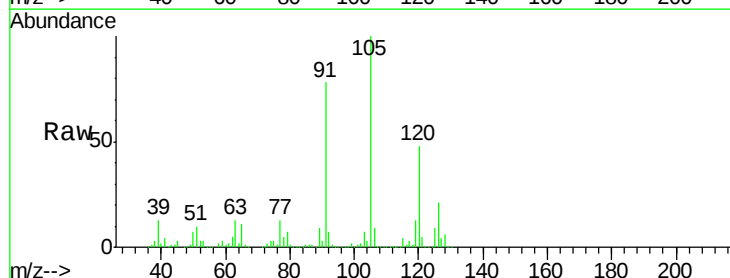
Acq: 07 May 2019 19:15

Tgt Ion: 105 Resp: 356809

Ion Ratio Lower Upper

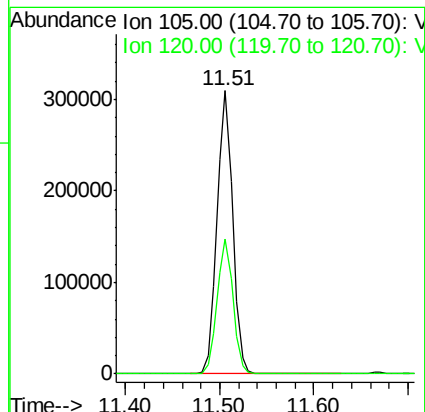
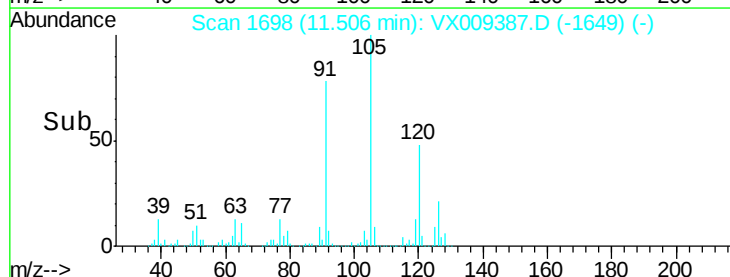
105 100

120 48.3 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009387.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX009387.D (-1649) (-)





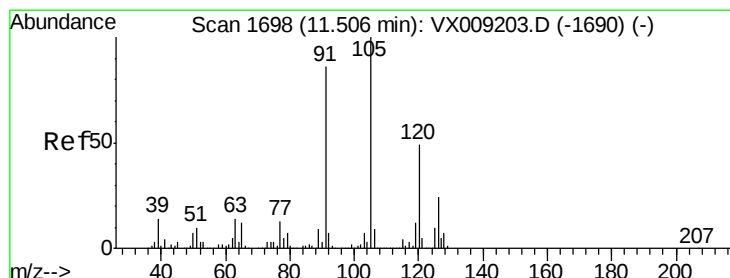
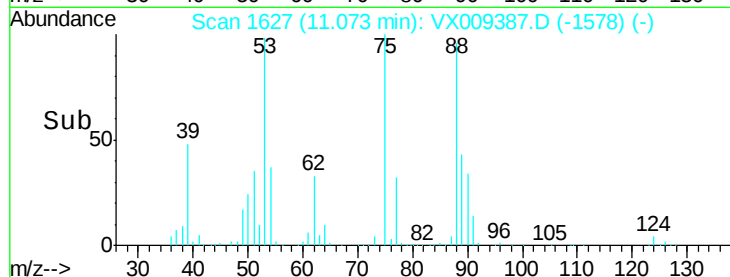
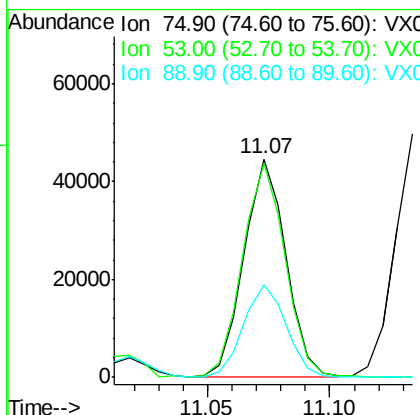
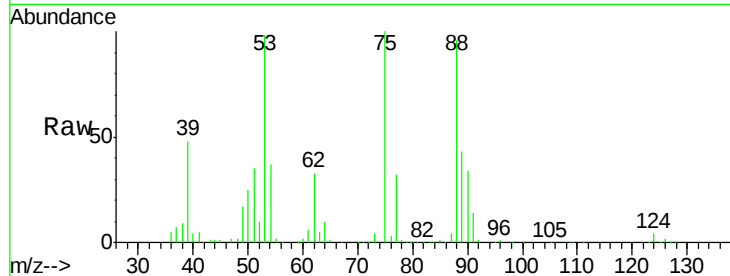
#81
trans-1,4-Dichloro-2-butene
Concen: 48.888 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.2	79.0	118.6
89	44.0	34.7	52.1

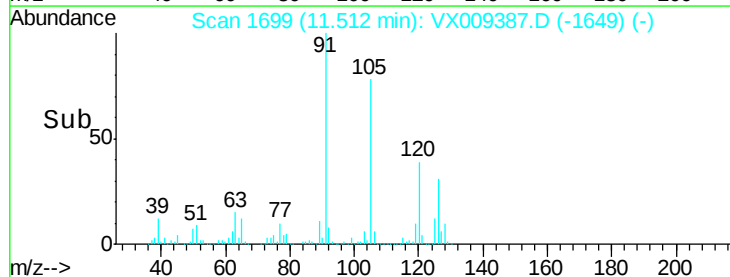
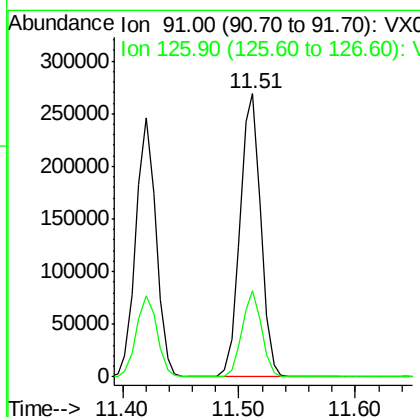
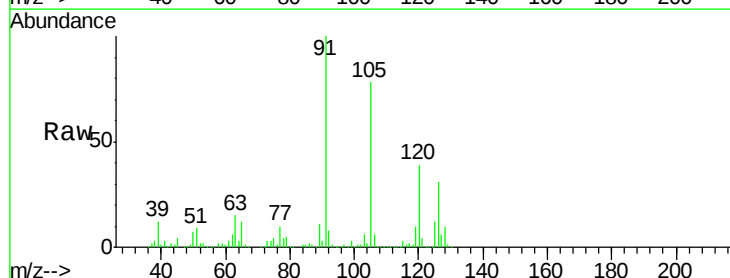
Manual Integrations
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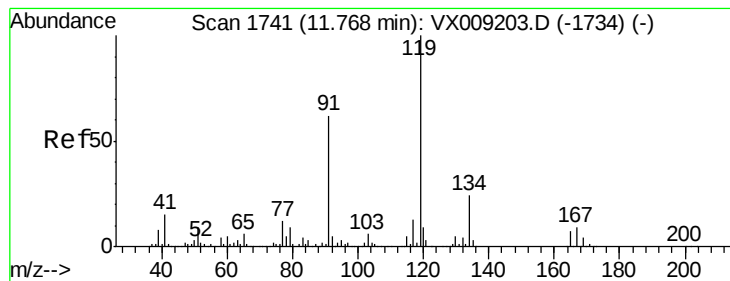
MMDadoda
5/8/2019 10:40:46 AM



#82
4-Chlorotoluene
Concen: 48.323 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.5	43.6





#83

tert-Butylbenzene

Concen: 50.005 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

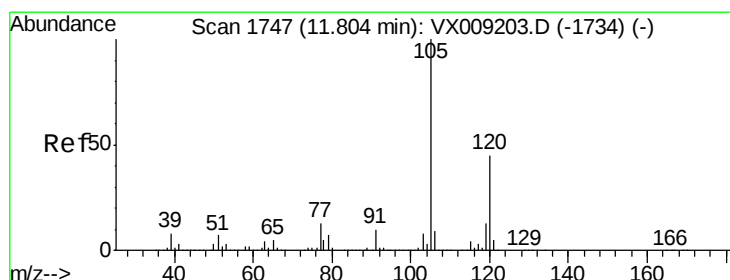
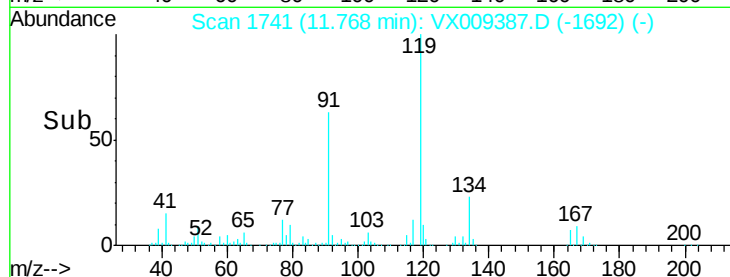
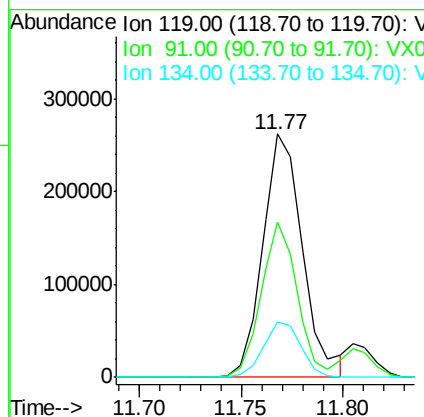
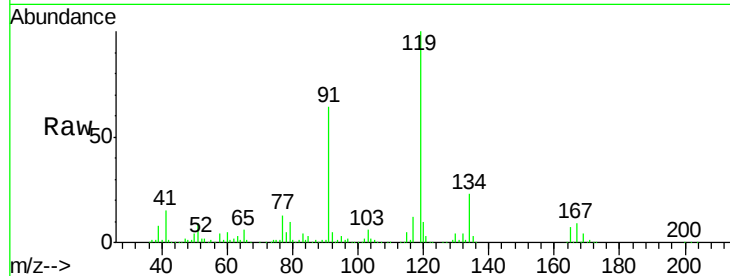
ClientSampled :

VSTDCCC050EC

Tot Ion:	119	Resp:	356019
Ion Ratio	Lower	Upper	
119	100		
91	57.7	29.5	88.5
134	21.8	11.4	34.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 48.393 ug/l

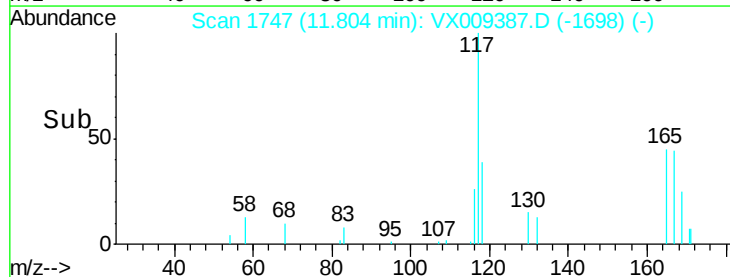
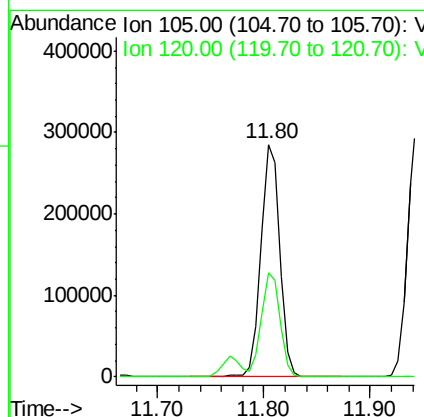
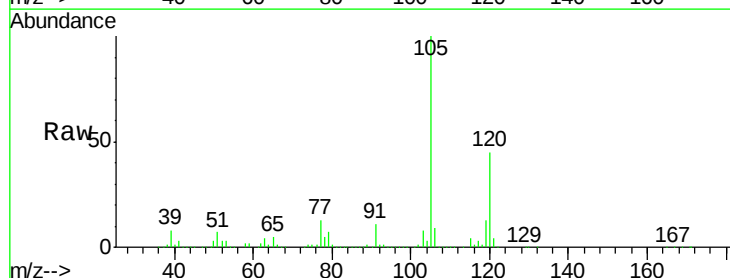
RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Tgt Ion:	105	Resp:	355510
Ion Ratio	Lower	Upper	
105	100		
120	44.2	22.0	66.0





#85

sec-Butylbenzene

Concen: 48.670 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 410822

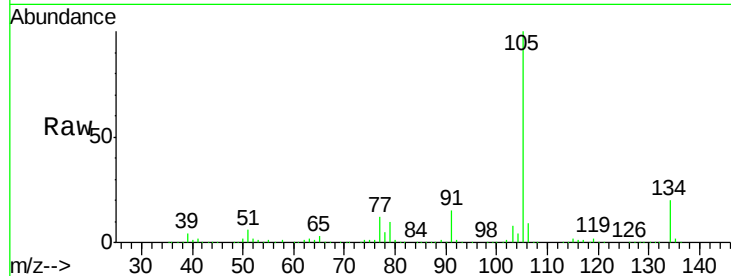
Ion Ratio Lower Upper

105 100

134 19.6 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

11.94

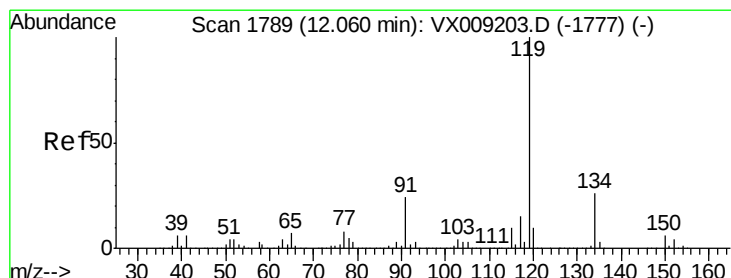
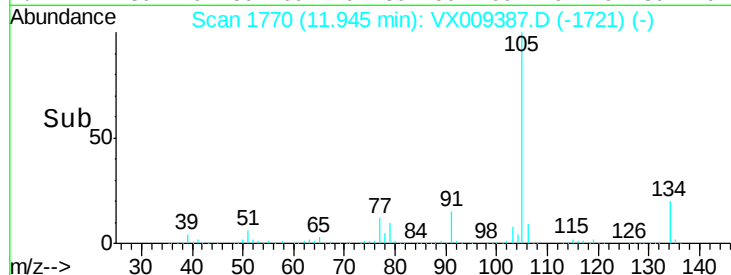
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 49.013 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

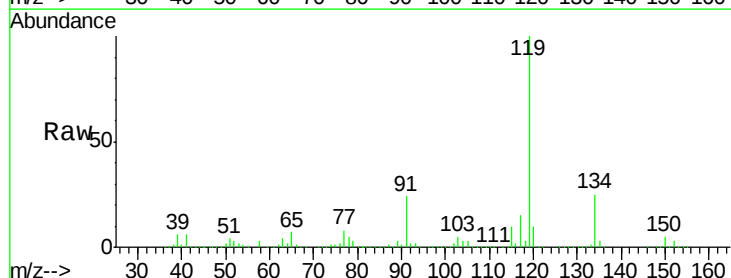
Tgt Ion:119 Resp: 371932

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 23.9 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

12.06

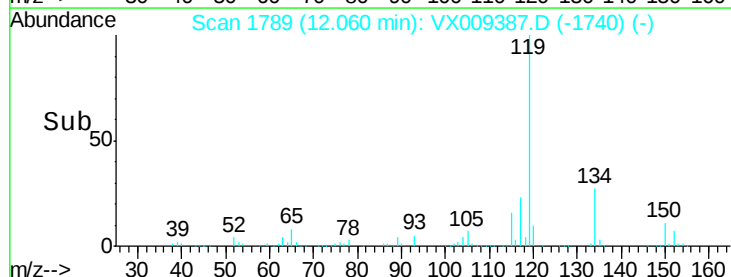
300000

200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 48.840 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

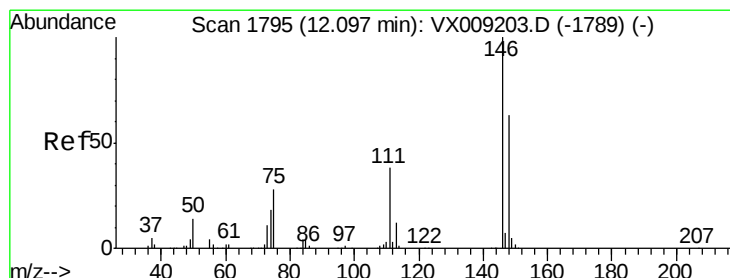
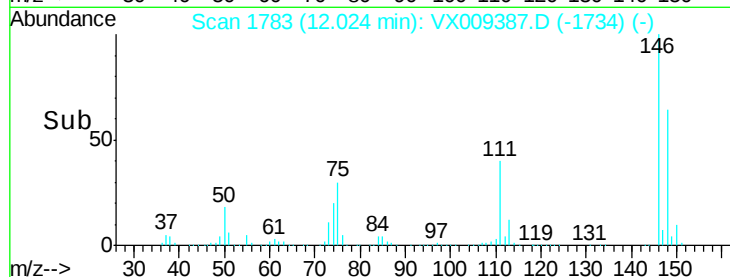
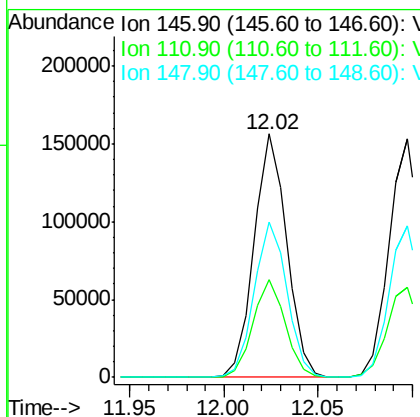
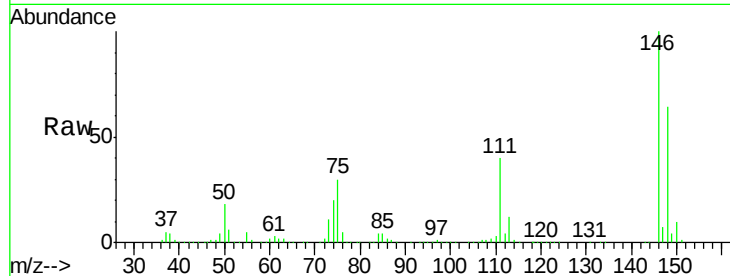
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	187839
Ion Ratio	Lower	Upper	
146	100		
111	39.6	20.0	59.9
148	64.1	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 47.828 ug/l

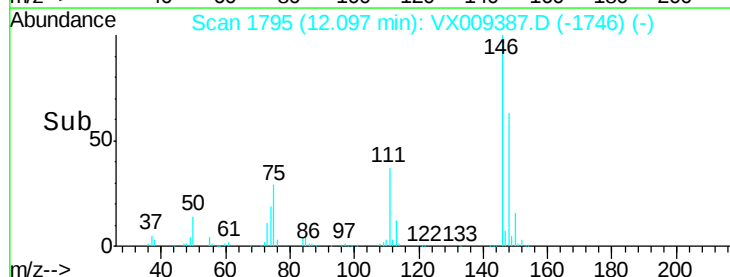
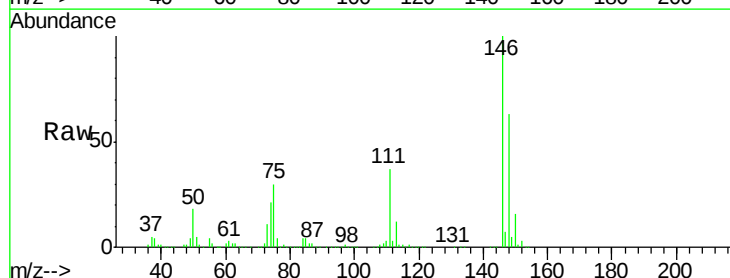
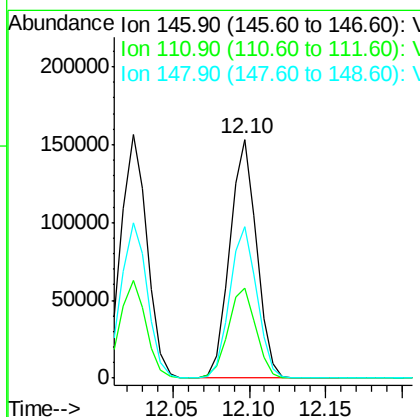
RT: 12.10 min Scan# 1795

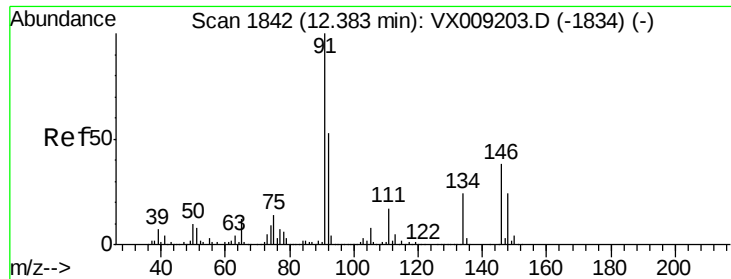
Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Tgt Ion:	146	Resp:	185452
Ion Ratio	Lower	Upper	
146	100		
111	38.9	19.6	58.8
148	64.2	31.8	95.3





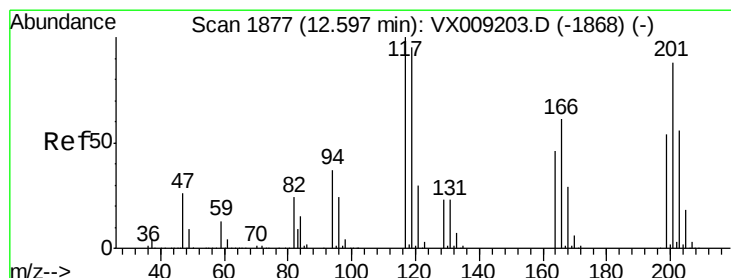
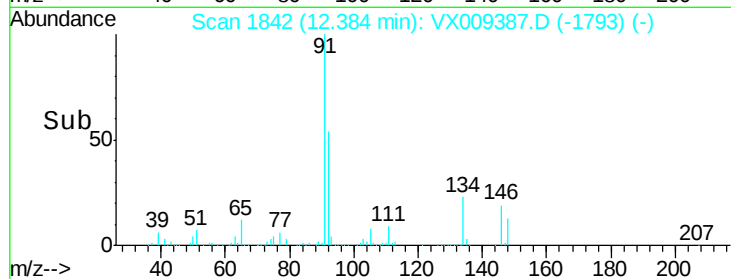
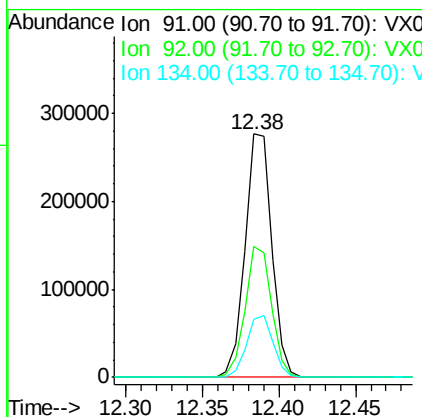
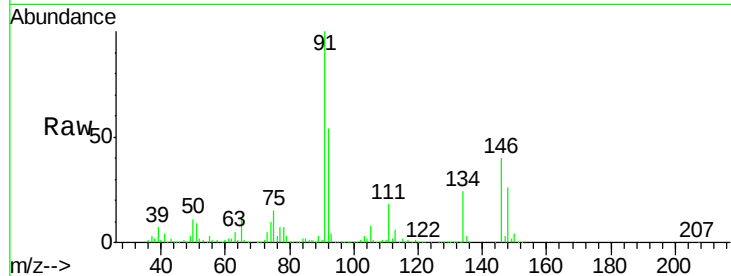
#89
n-Butylbenzene
Concen: 48.864 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.5	79.5
134	25.0	12.4	37.2

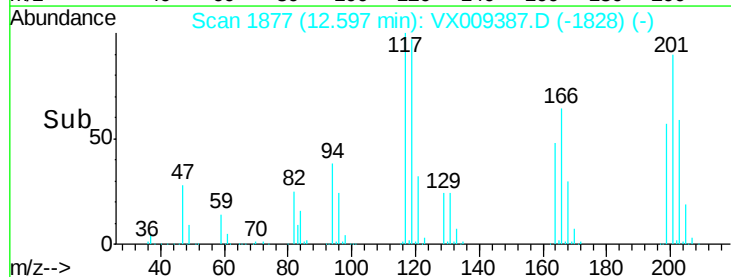
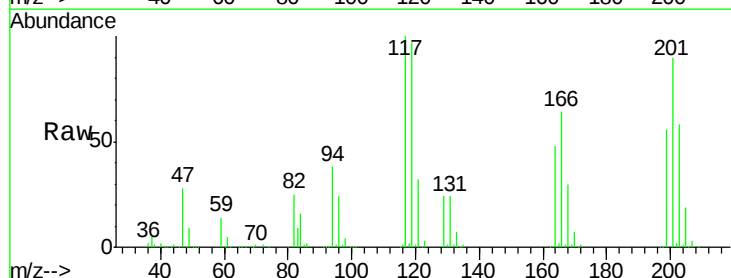
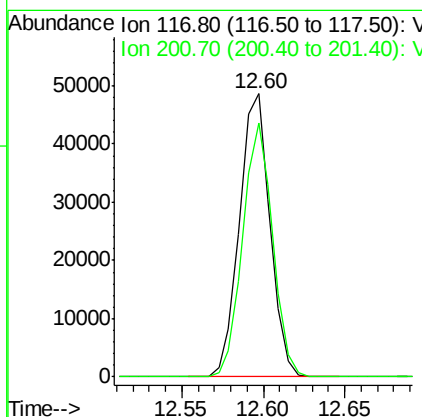
Manual Integrations
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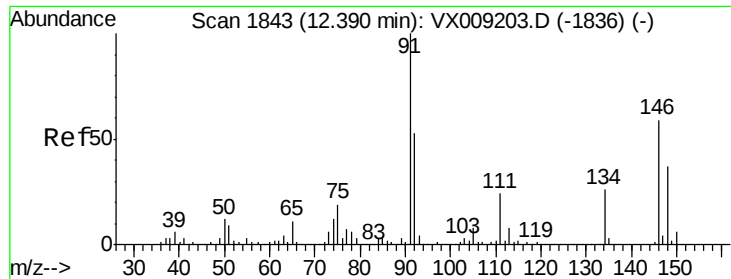
MMDadoda
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#90
Hexachloroethane
Concen: 49.144 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009387.D
Acq: 07 May 2019 19:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.7	42.3	126.9





#91

1,2-Dichlorobenzene

Concen: 48.896 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

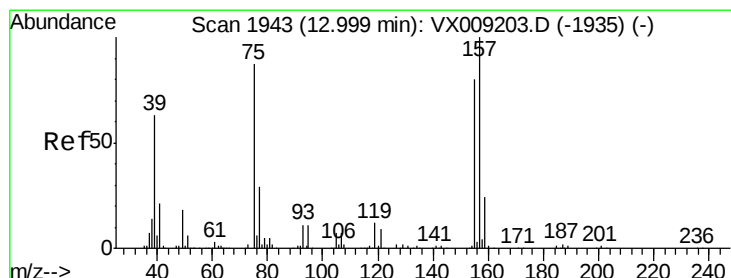
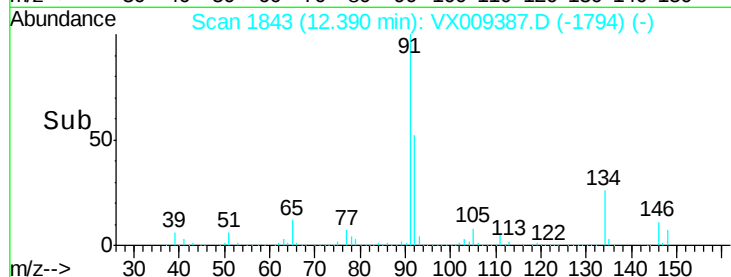
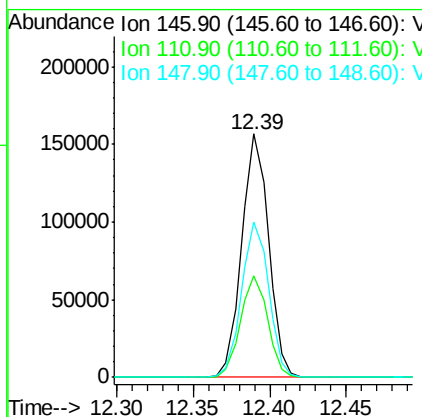
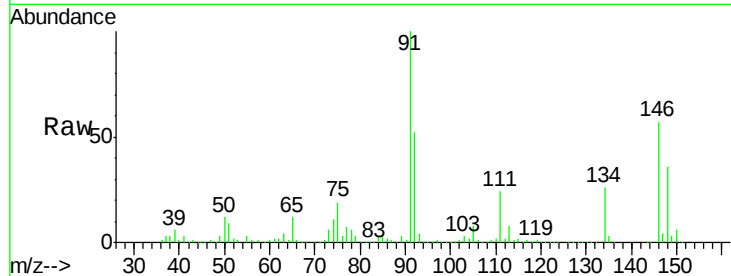
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	191540
Ion Ratio	Lower	Upper	
146	100		
111	42.2	20.8	62.4
148	64.1	31.9	95.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 53.198 ug/l

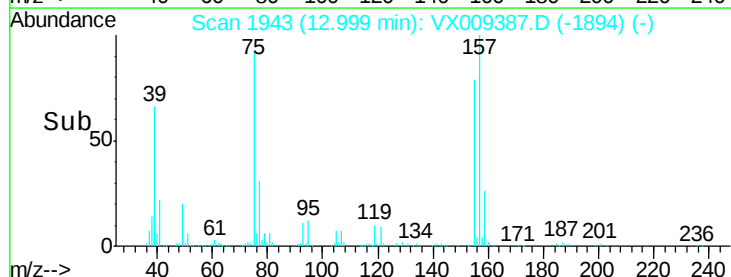
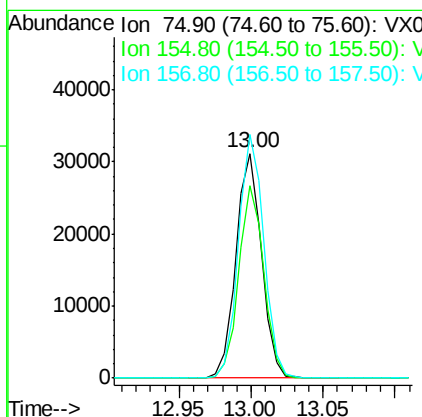
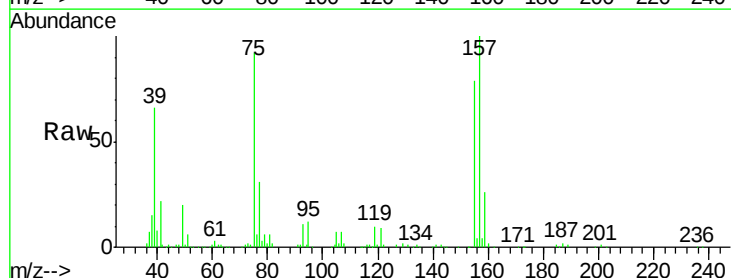
RT: 13.00 min Scan# 1943

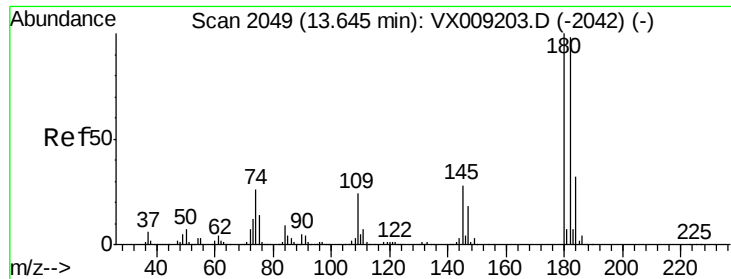
Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Tgt Ion:	75	Resp:	38669
Ion Ratio	Lower	Upper	
75	100		
155	83.4	42.0	126.0
157	107.0	53.2	159.6





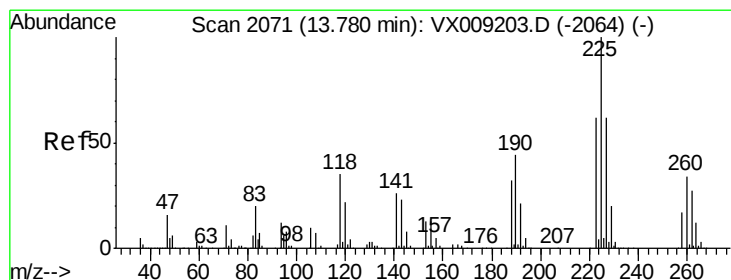
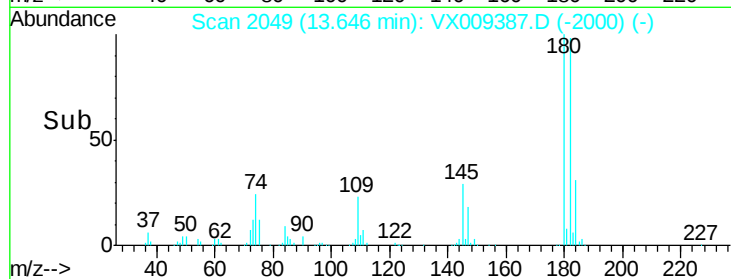
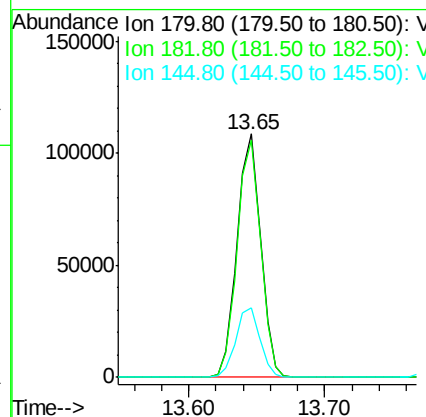
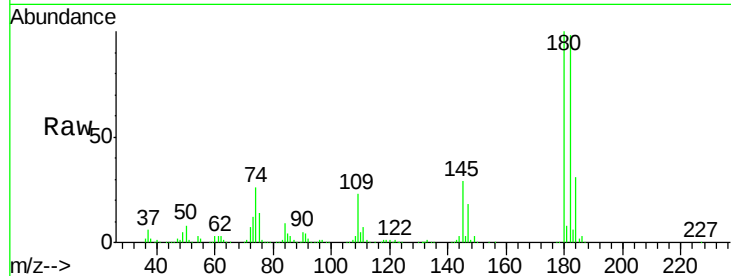
#93
 1,2,4-Trichlorobenzene
 Concen: 49.264 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009387.D
 Acq: 07 May 2019 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	131968		
182	97.3	48.4	145.2	
145	29.3	14.6	43.8	

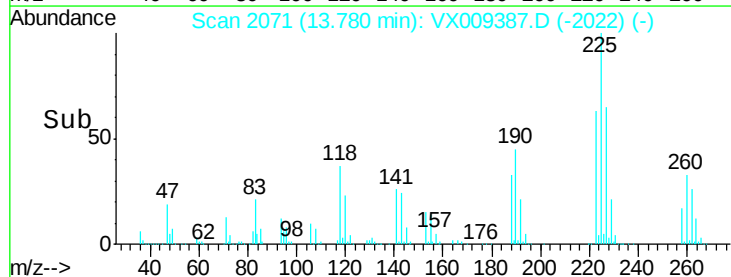
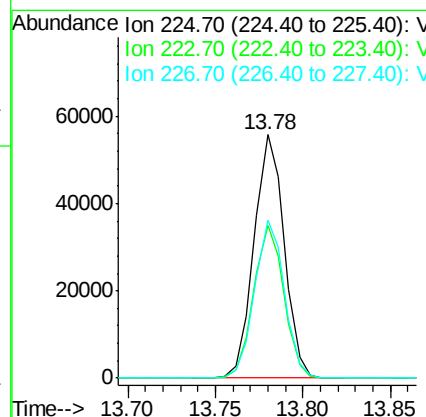
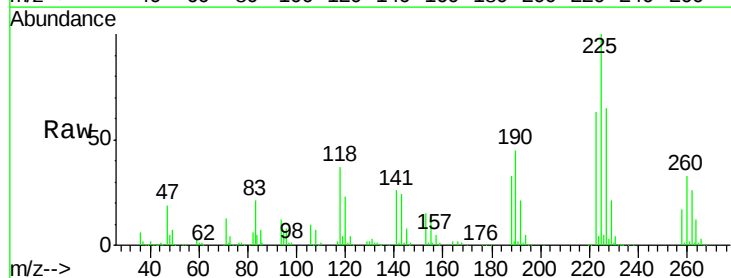
Manual Integrations
 APPROVED

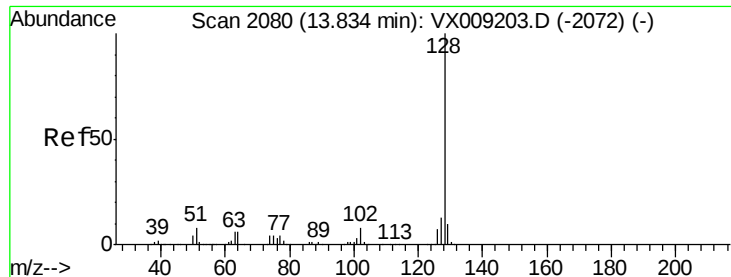
MMDadoda
 5/8/2019 10:40:46 AM



#94
 Hexachlorobutadiene
 Concen: 48.871 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009387.D
 Acq: 07 May 2019 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66854		
223	62.8	31.3	93.8	
227	64.1	31.8	95.3	





#95

Naphthalene

Concen: 51.846 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Instrument :

MSVOA_X

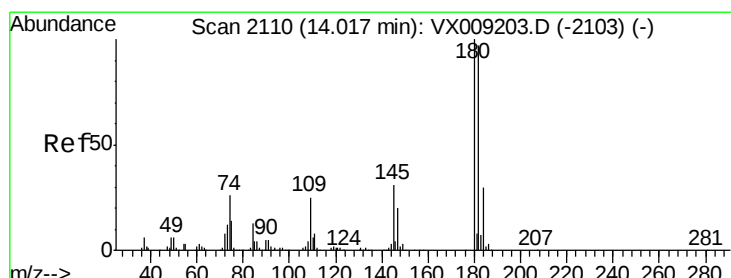
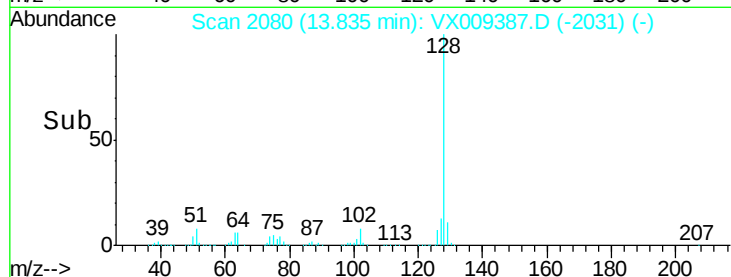
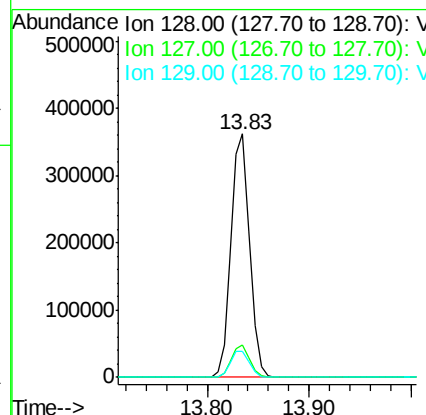
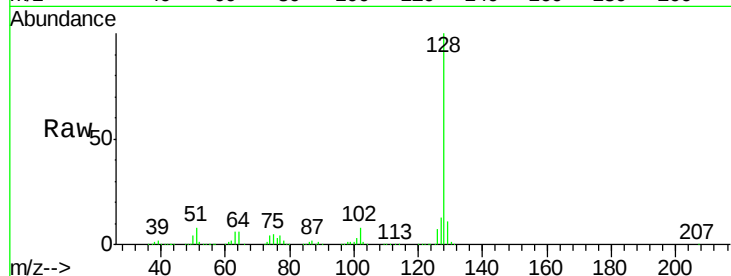
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	451849
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:40:46 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.675 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009387.D

Acq: 07 May 2019 19:15

Tgt Ion:	180	Resp:	137603
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.8	143.4
145	30.5	15.4	46.4

