

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090719\
 Data File : VX012190.D
 Acq On : 07 Sep 2019 21:48
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 9:19:10 AM

Quant Time: Sep 08 08:02:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	112582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	218785	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	205588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	103531	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	96269	61.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.94%	
35) Dibromofluoromethane	5.48	113	74367	55.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.54%	
50) Toluene-d8	8.71	98	269097	54.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.00%	
62) 4-Bromofluorobenzene	11.13	95	118589	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	47801	46.043	ug/l	97
3) Chloromethane	1.31	50	58130	54.672	ug/l	97
4) Vinyl Chloride	1.39	62	51653	51.636	ug/l	99
5) Bromomethane	1.62	94	27648	55.715	ug/l	95
6) Chloroethane	1.71	64	34789	55.943	ug/l	99
7) Trichlorofluoromethane	1.92	101	82755	53.263	ug/l	99
8) Diethyl Ether	2.17	74	32221	60.011	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.37	101	56512	49.107	ug/l #	84
10) Methyl Iodide	2.50	142	50076	43.961	ug/l	93
11) Tert butyl alcohol	3.03	59	41496	278.113	ug/l	95
12) 1,1-Dichloroethene	2.36	96	55885	50.411	ug/l	88
13) Acrolein	2.28	56	11418	306.157	ug/l	100
14) Allyl chloride	2.72	41	111696	55.683	ug/l	97
15) Acrylonitrile	3.12	53	97444	288.815	ug/l	98
16) Acetone	2.43	43	91353	246.037	ug/l	99
17) Carbon Disulfide	2.56	76	168527	52.017	ug/l	99
18) Methyl Acetate	2.76	43	50931	58.228	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	208889	57.878	ug/l	99
20) Methylene Chloride	2.84	84	78119	52.394	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	70476	54.174	ug/l	92
22) Diisopropyl ether	3.84	45	237899	58.185	ug/l	99
23) Vinyl Acetate	3.80	43	789270	298.413	ug/l	98
24) 1,1-Dichloroethane	3.68	63	132131	55.721	ug/l	98
25) 2-Butanone	4.65	43	137461	290.840	ug/l	96
26) 2,2-Dichloropropane	4.56	77	102462	46.801	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	83119	54.507	ug/l	92
28) Bromochloromethane	5.00	49	55130	58.242	ug/l #	79
29) Tetrahydrofuran	5.11	42	85797	301.294	ug/l	97
30) Chloroform	5.19	83	144262	56.697	ug/l	97
31) Cyclohexane	5.56	56	91293	47.936	ug/l	93
32) 1,1,1-Trichloroethane	5.48	97	120504	54.377	ug/l	96
36) 1,1-Dichloropropene	5.78	75	92123	47.808	ug/l	96
37) Ethyl Acetate	4.81	43	60872	58.092	ug/l	99
38) Carbon Tetrachloride	5.77	117	101258	49.869	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	98281	43.945	ug/l	95
40) Benzene	6.13	78	286512	51.793	ug/l	99
41) Methacrylonitrile	5.02	41	36033	57.663	ug/l	98
42) 1,2-Dichloroethane	6.18	62	113075	56.801	ug/l	96
43) Isopropyl Acetate	6.43	43	121568	57.057	ug/l	97
44) Trichloroethene	7.20	130	76109	51.009	ug/l	86
45) 1,2-Dichloropropane	7.50	63	75435	52.780	ug/l	100
46) Dibromomethane	7.65	93	46163	55.329	ug/l #	73
47) Bromodichloromethane	7.89	83	112947	53.258	ug/l #	98
48) Methyl methacrylate	7.76	41	60401	56.381	ug/l	94
49) 1,4-Dioxane	7.73	88	15717	1076.201	ug/l	93
51) 4-Methyl-2-Pentanone	8.64	43	306424	282.751	ug/l	97
52) Toluene	8.78	92	185180	51.449	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	112986	51.460	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	125834	51.538	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	63516	53.248	ug/l	96
56) Ethyl methacrylate	9.17	69	91554	53.585	ug/l	93
57) 1,3-Dichloropropane	9.36	76	110771	53.816	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	186719	242.401	ug/l	95
59) 2-Hexanone	9.48	43	219190	277.186	ug/l	96
60) Dibromochloromethane	9.57	129	76135	53.555	ug/l	99
61) 1,2-Dibromoethane	9.67	107	62988	54.648	ug/l	96
64) Tetrachloroethene	9.33	164	67511	52.672	ug/l #	87
65) Chlorobenzene	10.14	112	202697	49.970	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	77130	52.002	ug/l	98
67) Ethyl Benzene	10.25	91	363677	49.185	ug/l	97
68) m/p-Xylenes	10.35	106	268202	98.450	ug/l	90
69) o-Xylene	10.70	106	131698	49.854	ug/l	88
70) Styrene	10.71	104	232235	50.614	ug/l	95
71) Bromoform	10.85	173	41794	51.303	ug/l	97
73) Isopropylbenzene	11.01	105	350970	46.203	ug/l	96
74) N-amyl acetate	10.89	43	113532	50.550	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	78534	49.592	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	71748m	56.718	ug/l	
77) Bromobenzene	11.25	156	83610	49.214	ug/l	69
78) n-propylbenzene	11.35	91	414626	45.180	ug/l	94
79) 2-Chlorotoluene	11.42	91	259058	46.595	ug/l	91
80) 1,3,5-Trimethylbenzene	11.50	105	316674	47.571	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	23561	44.033	ug/l	92
82) 4-Chlorotoluene	11.51	91	314203	47.415	ug/l	91
83) tert-Butylbenzene	11.76	119	296524	46.735	ug/l	89
84) 1,2,4-Trimethylbenzene	11.81	105	325386	47.558	ug/l	94
85) sec-Butylbenzene	11.94	105	355818	45.150	ug/l	94
86) p-Isopropyltoluene	12.06	119	321909	44.915	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	162137	47.627	ug/l	94
88) 1,4-Dichlorobenzene	12.09	146	159874	46.968	ug/l	94
89) n-Butylbenzene	12.39	91	303415	43.581	ug/l	95
90) Hexachloroethane	12.59	117	62105	43.399	ug/l	58
91) 1,2-Dichlorobenzene	12.39	146	150230	48.999	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.99	75	16359	49.365	ug/l	63

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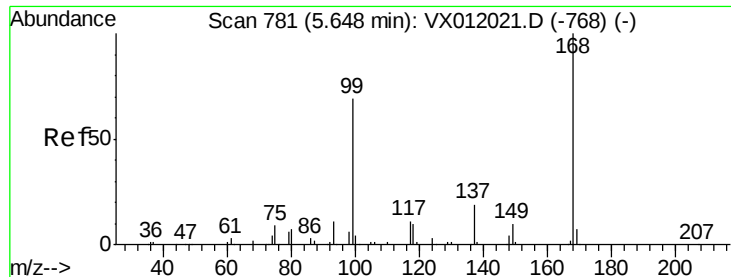
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	97324	44.598	ug/l	97
94) Hexachlorobutadiene	13.78	225	47260	42.962	ug/l	98
95) Naphthalene	13.83	128	226306	47.916	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	88826	46.266	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 112582

Ion Ratio Lower Upper

168 100

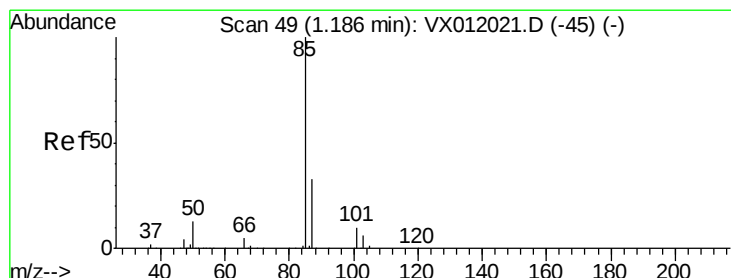
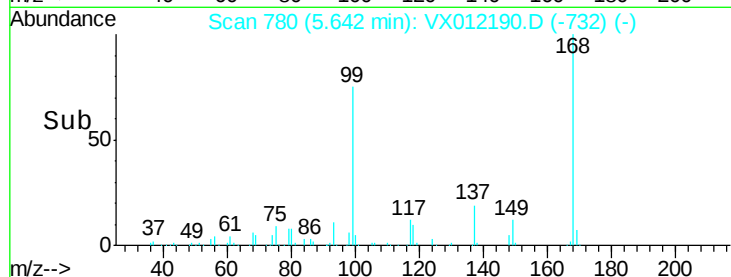
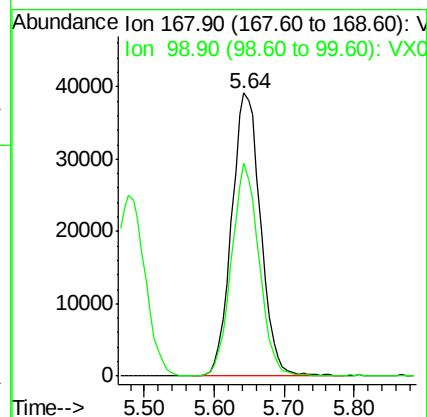
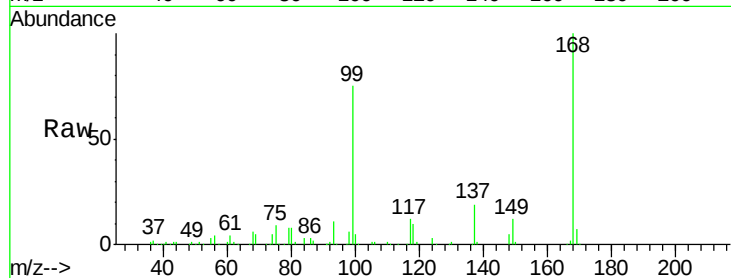
99 75.3 37.6 56.4#

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 46.043 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012190.D

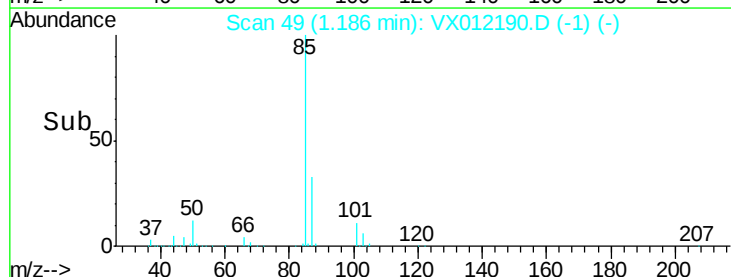
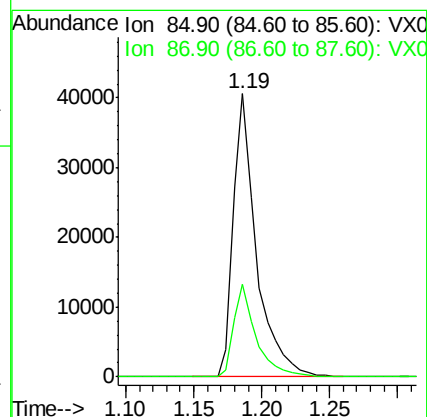
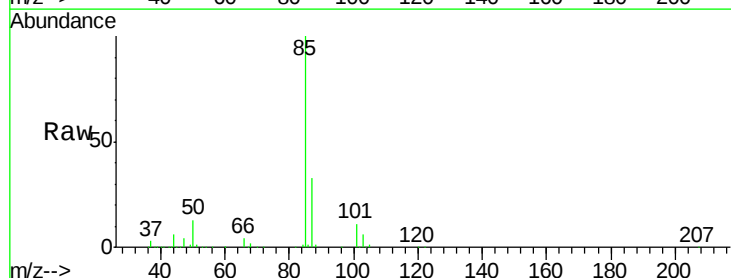
Acq: 07 Sep 2019 21:48

Tgt Ion: 85 Resp: 47801

Ion Ratio Lower Upper

85 100

87 32.8 15.6 46.8





#3

Chloromethane

Concen: 54.672 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 58130

Ion Ratio Lower Upper

50 100

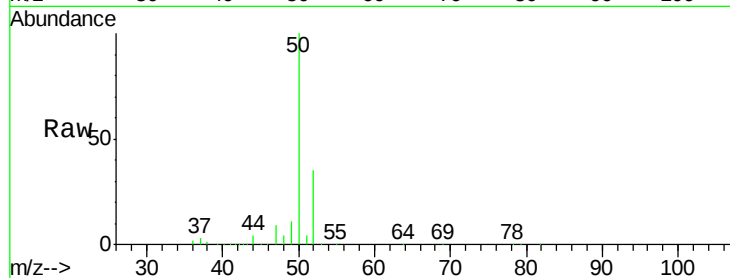
52 34.6 26.5 39.7

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

60000

50000

40000

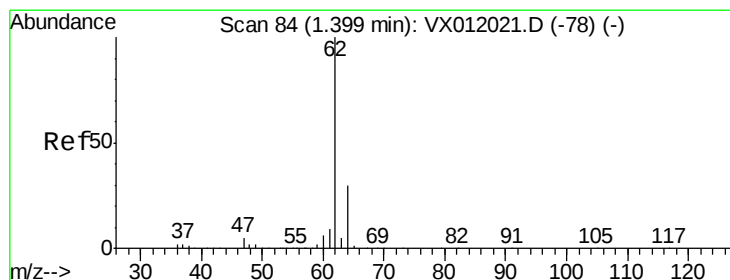
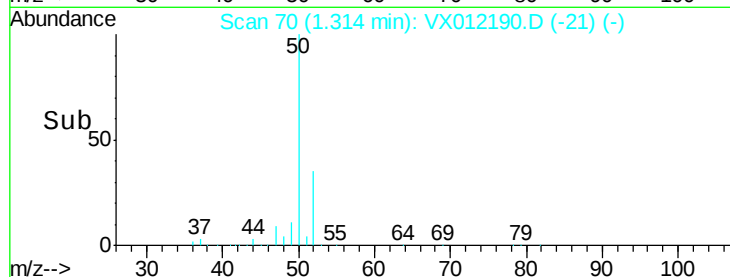
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 51.636 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX012190.D

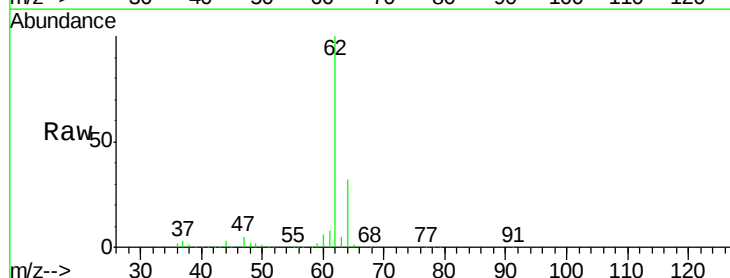
Acq: 07 Sep 2019 21:48

Tgt Ion: 62 Resp: 51653

Ion Ratio Lower Upper

62 100

64 32.3 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

50000

40000

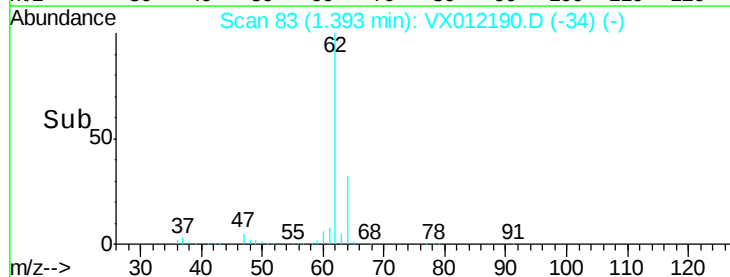
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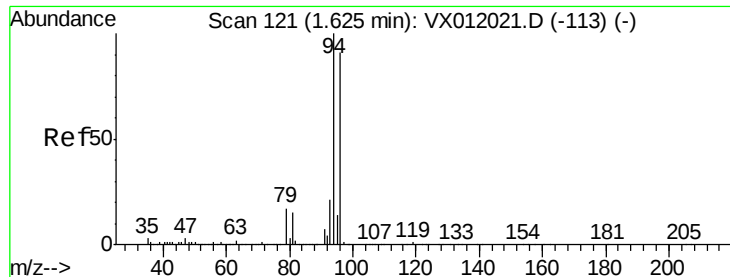
20000

10000

0

Time-->





#5

Bromomethane

Concen: 55.715 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 27648

Ion Ratio Lower Upper

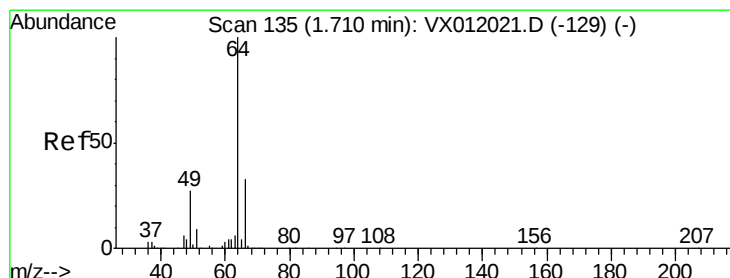
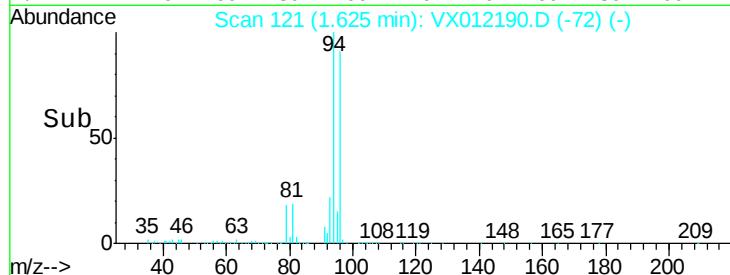
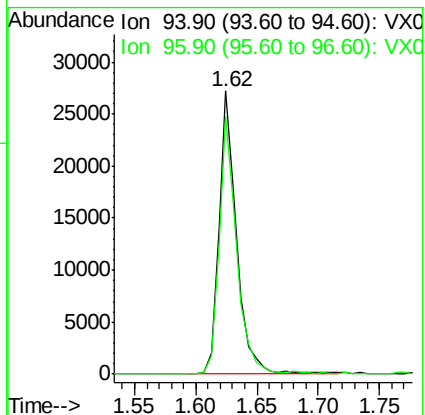
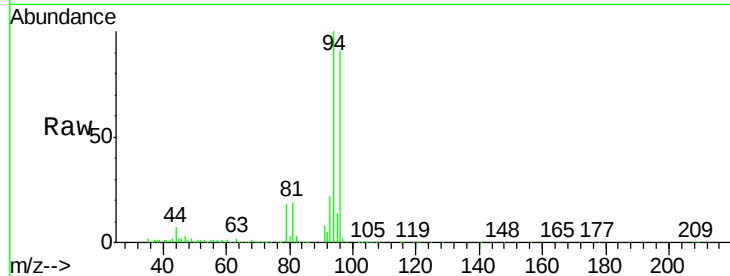
94 100

96 90.8 76.3 114.5

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#6

Chloroethane

Concen: 55.943 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX012190.D

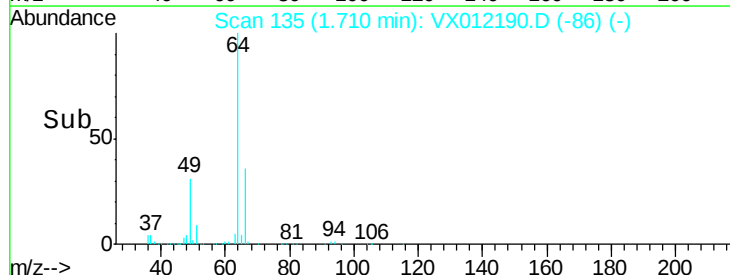
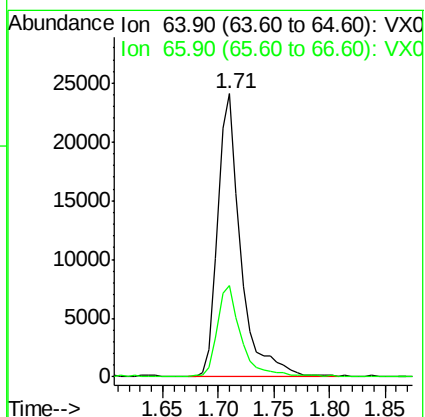
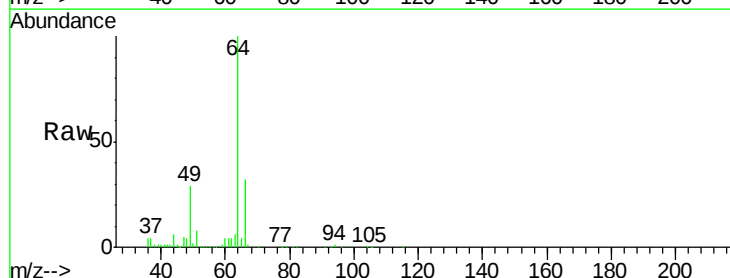
Acq: 07 Sep 2019 21:48

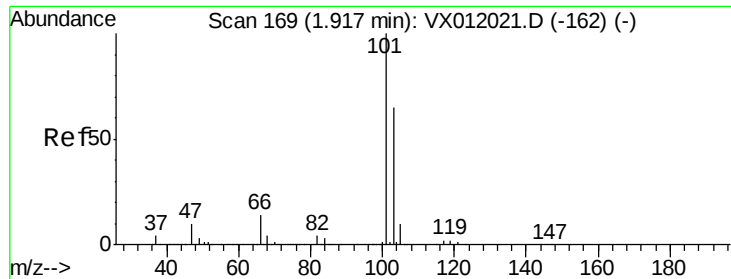
Tgt Ion: 64 Resp: 34789

Ion Ratio Lower Upper

64 100

66 32.4 26.3 39.5





#7

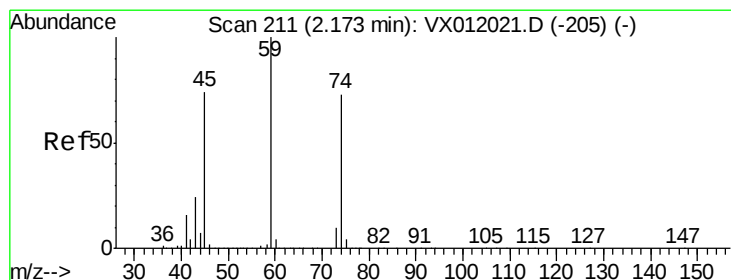
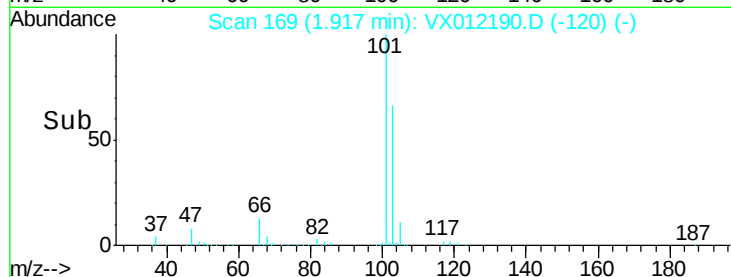
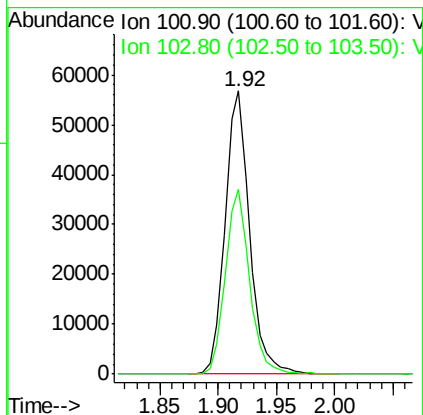
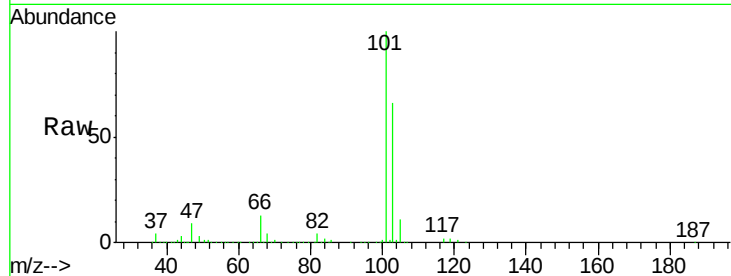
Trichlorofluoromethane
 Concen: 53.263 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX012190.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		82755		
103	65.4	51.6		77.4	

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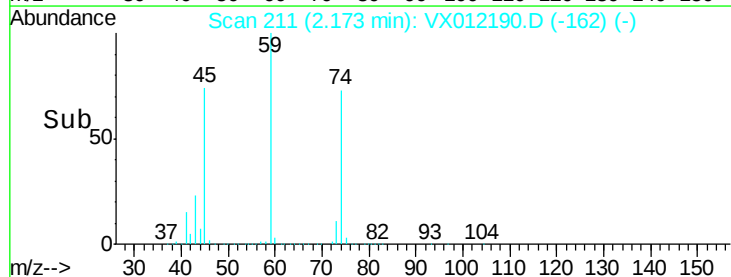
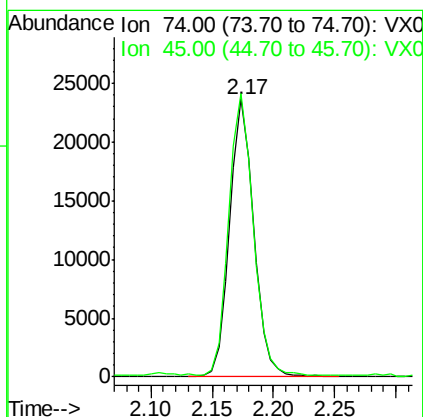
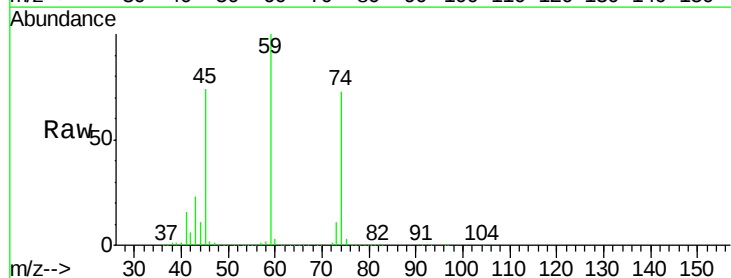
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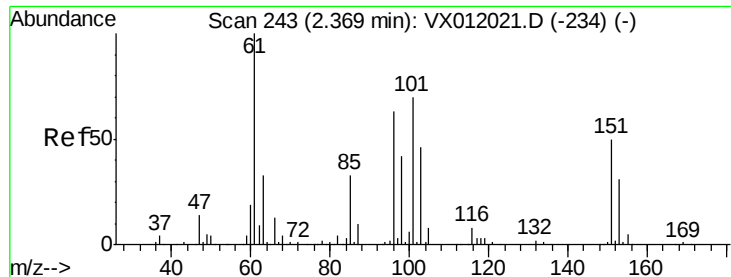


#8

Diethyl Ether
 Concen: 60.011 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: VX012190.D
 Acq: 07 Sep 2019 21:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		32221		
45	103.4	45.9		137.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.107 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

Instrument :

MSVOA_X

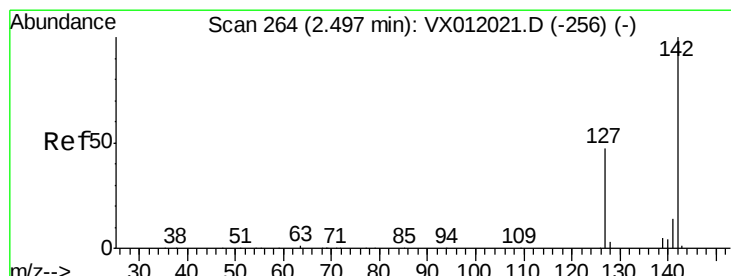
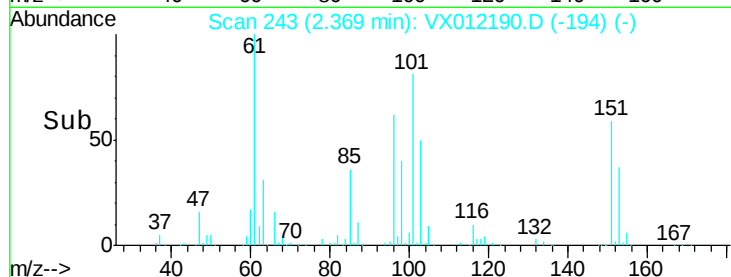
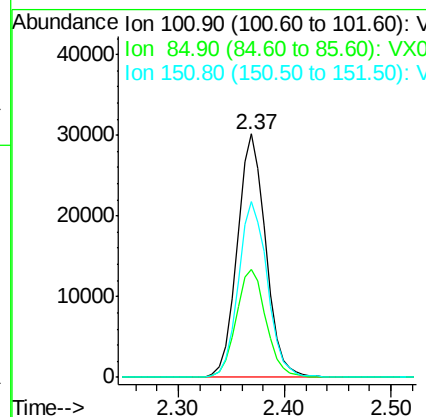
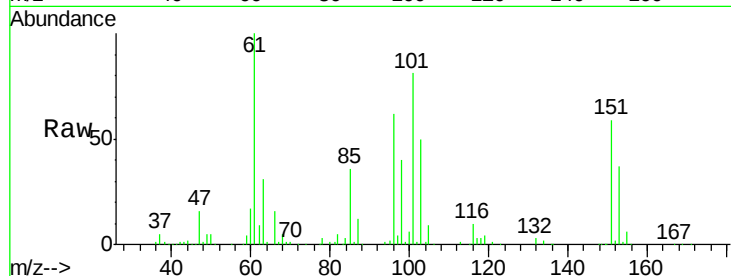
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	56512
Ion Ratio	Lower	Upper	
101	100		
85	46.6	34.5	51.7
151	74.0	75.0	112.4#

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#10

Methyl Iodide

Concen: 43.961 ug/l

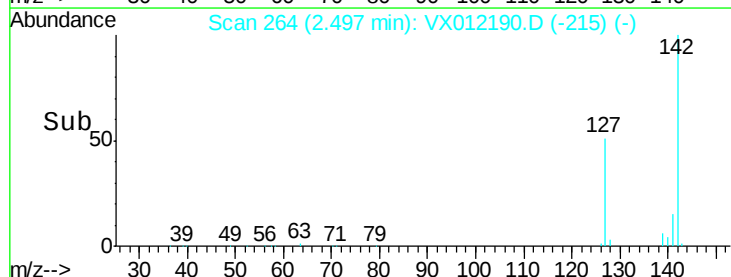
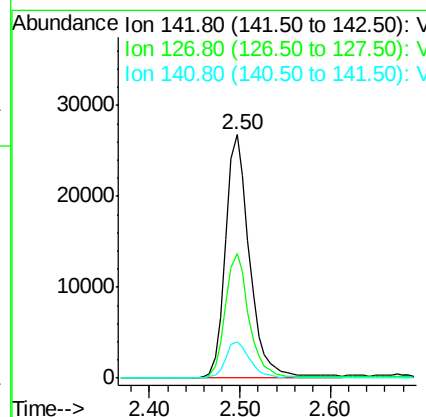
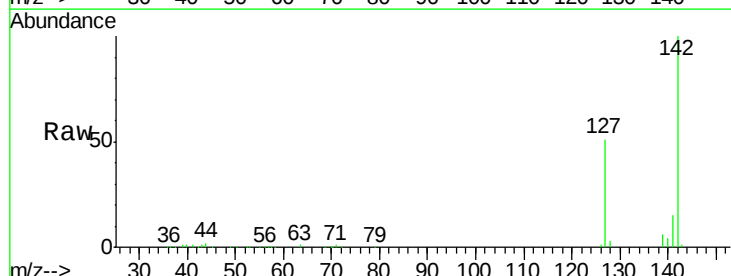
RT: 2.50 min Scan# 264

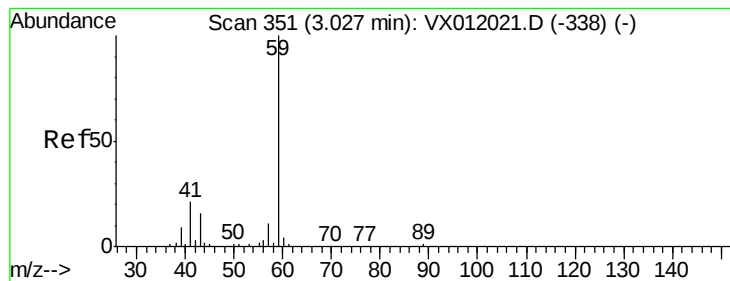
Delta R.T. 0.00 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

Tgt Ion:	142	Resp:	50076
Ion Ratio	Lower	Upper	
142	100		
127	50.3	35.4	53.2
141	15.0	11.4	17.2





#11

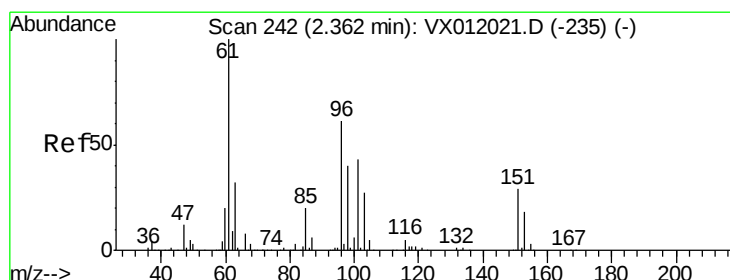
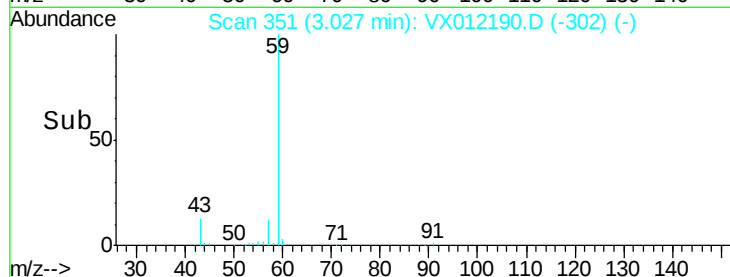
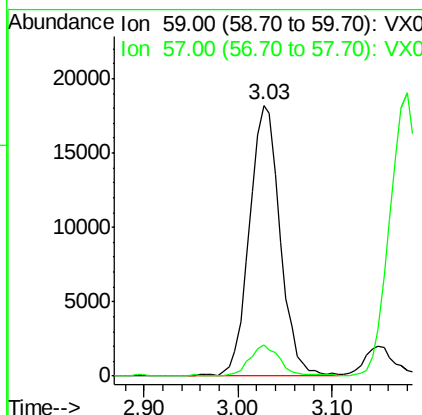
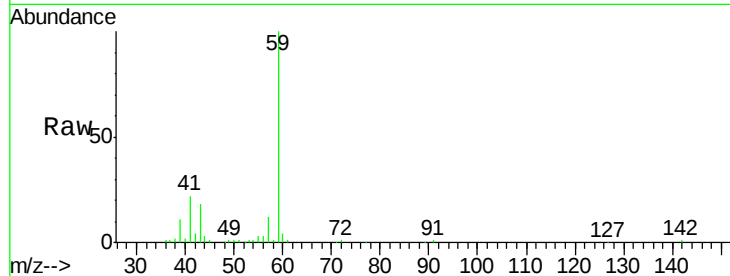
Tert butyl alcohol
Concen: 278.113 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	11.6	Resp	41496	Lower	Upper
59	100								
57		11.6						7.9	11.9

Manual Integrations
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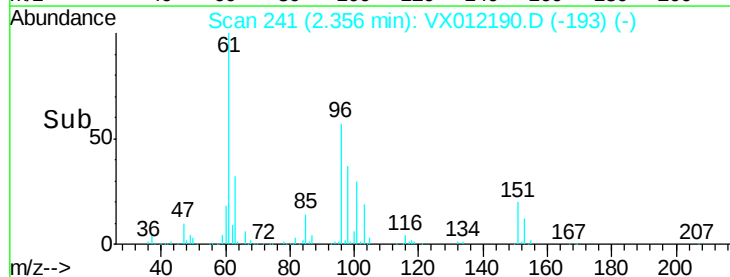
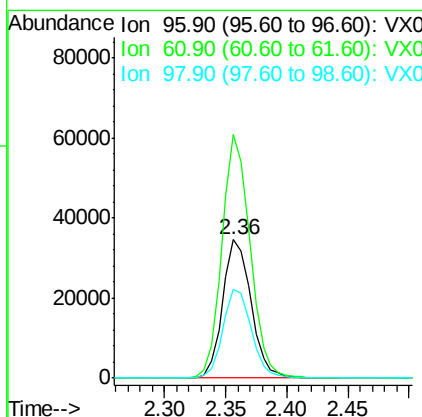
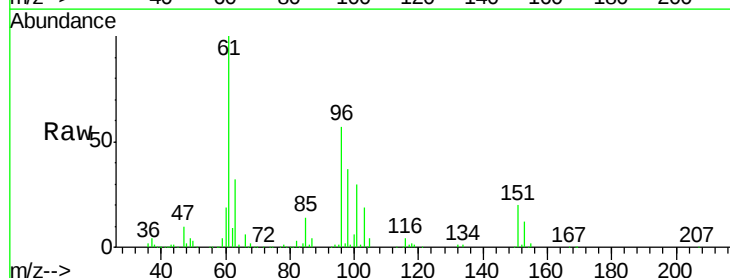
MMDadoda
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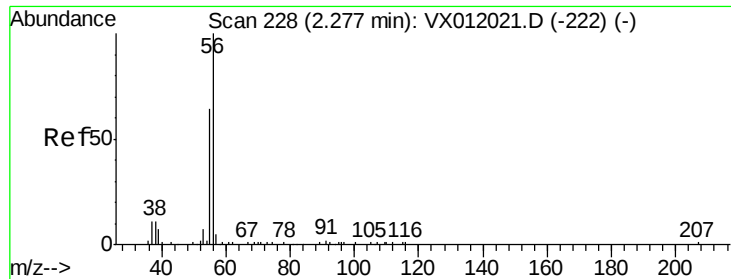


#12

1,1-Dichloroethene
Concen: 50.411 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.01 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Tgt Ion	96	61	98	Ratio	100	175.7	64.6	Resp	55885	Lower	Upper
96	100										
61		175.7								124.1	186.1
98		64.6								50.2	75.2





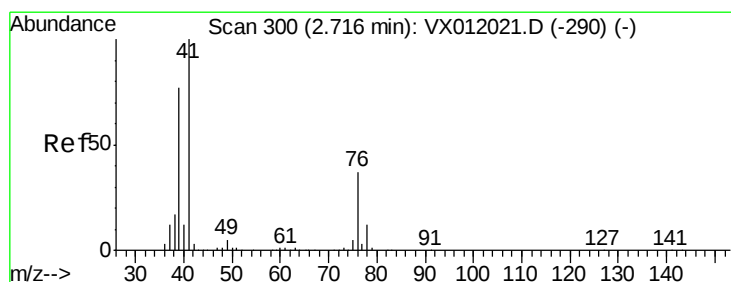
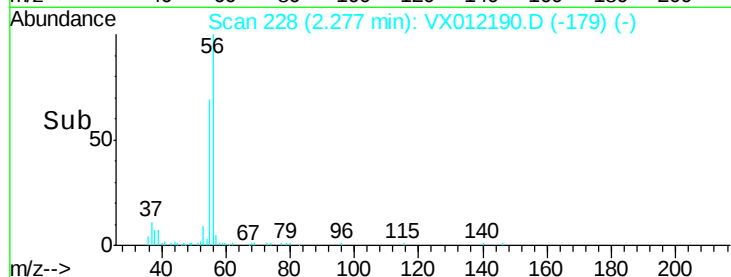
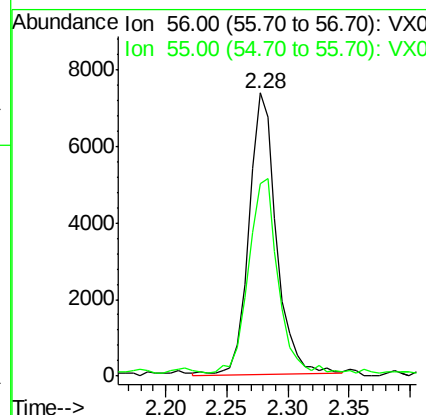
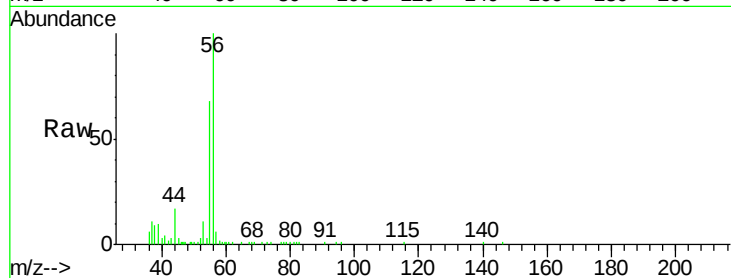
#13
Acrolein
Concen: 306.157 ug/l
RT: 2.28 min Scan# 228
Delta R.T. 0.00 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	74.1	59.2	88.8

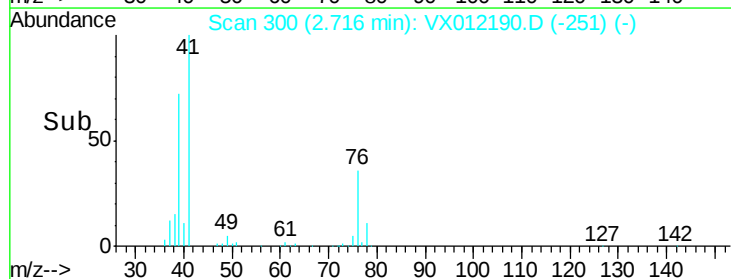
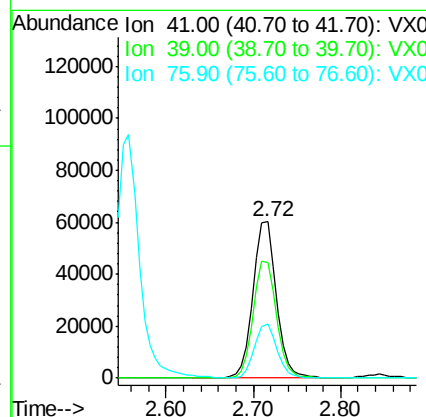
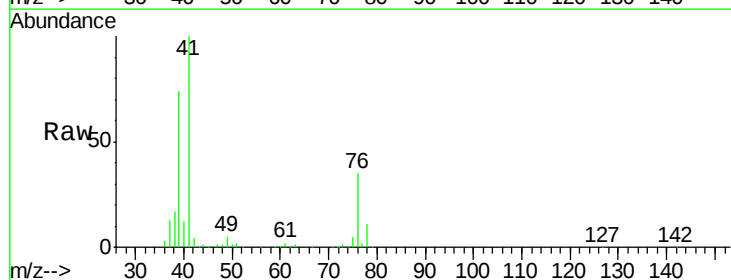
Manual Integrations
APPROVED

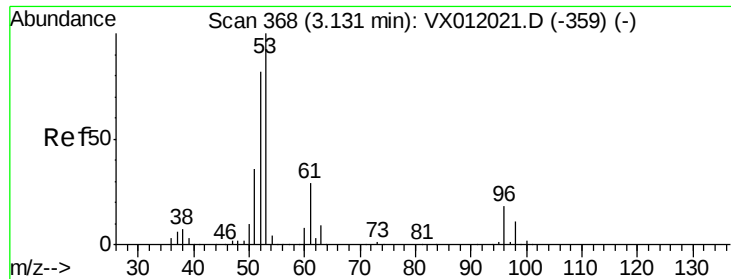
MMDadoda
9/9/2019 9:19:10 AM



#14
Allyl chloride
Concen: 55.683 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Tgt Ion	Ratio	Lower	Upper
41	100		
39	74.4	57.9	86.9
76	33.3	28.5	42.7





#15

Acrylonitrile

Concen: 288.815 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.00 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

Instrument :

MSVOA_X

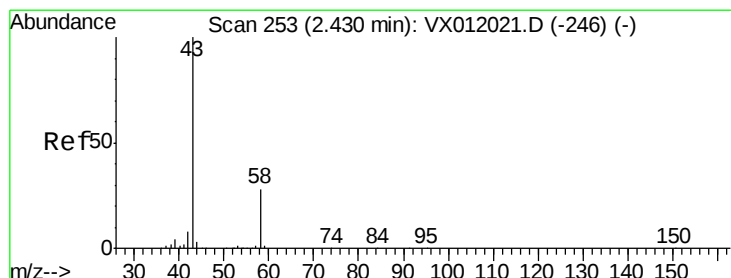
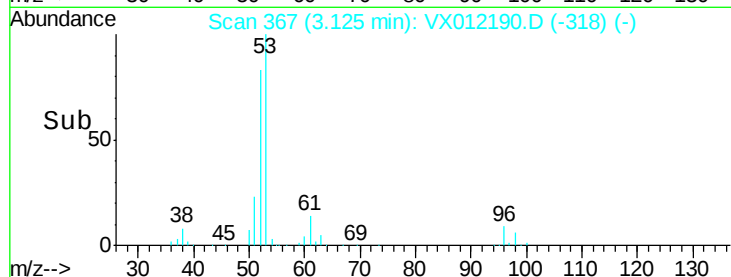
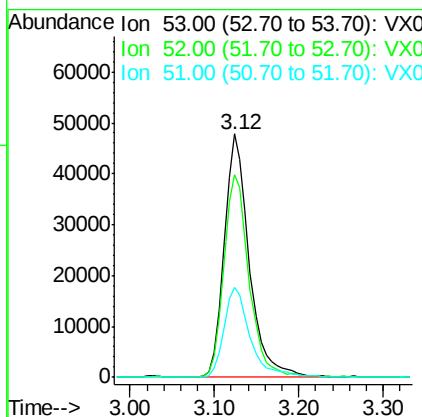
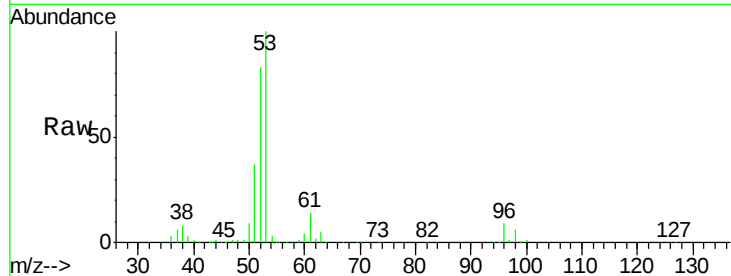
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	97444
Ion	Ratio	Lower	Upper
53	100		
52	83.8	65.6	98.4
51	38.9	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 246.037 ug/l

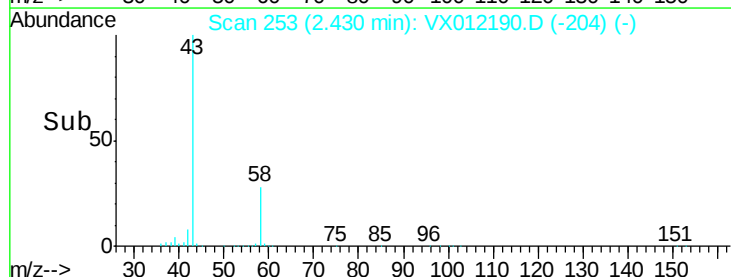
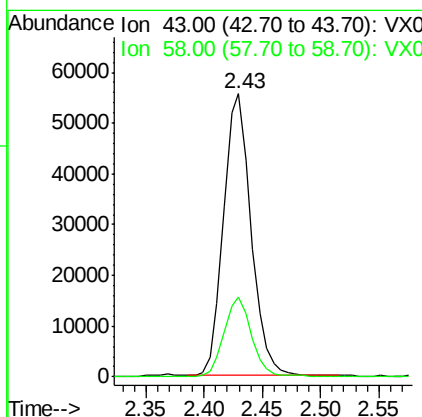
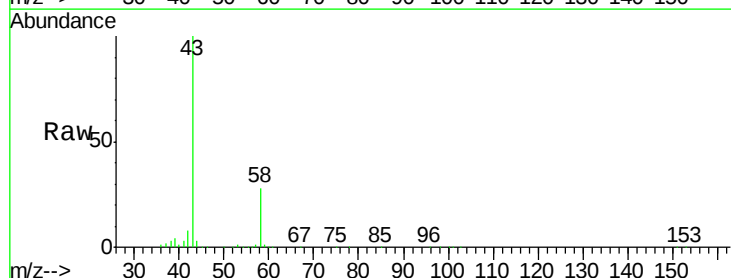
RT: 2.43 min Scan# 253

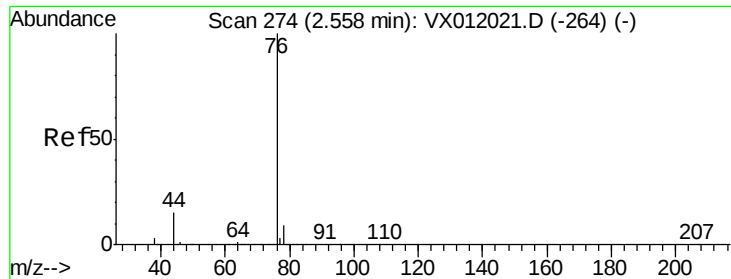
Delta R.T. -0.00 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

Tgt Ion:	43	Resp:	91353
Ion	Ratio	Lower	Upper
43	100		
58	28.2	22.8	34.2





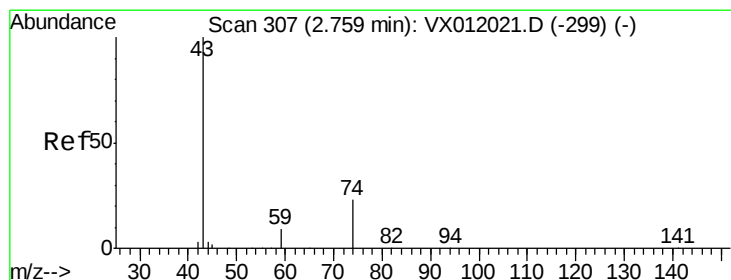
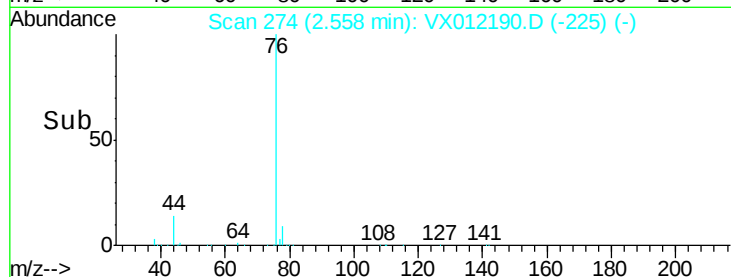
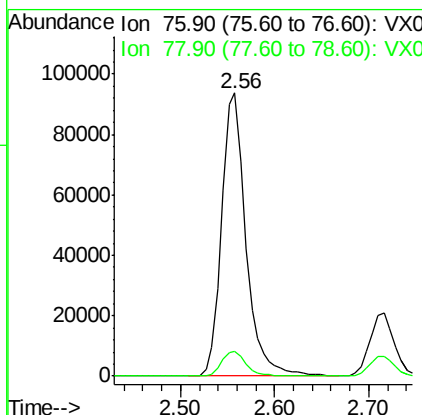
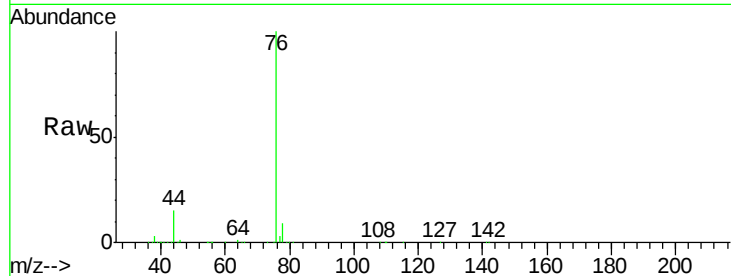
#17
Carbon Disulfide
Concen: 52.017 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.00 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

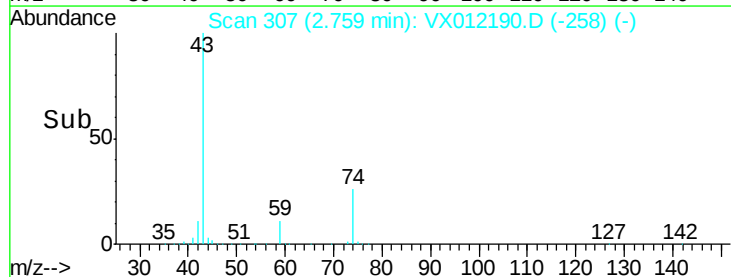
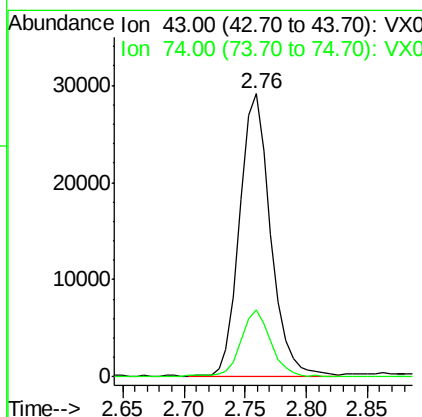
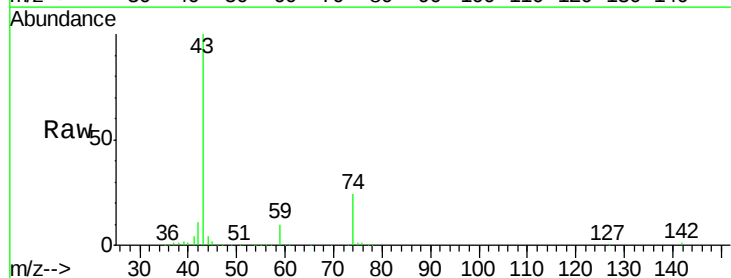
Manual Integrations
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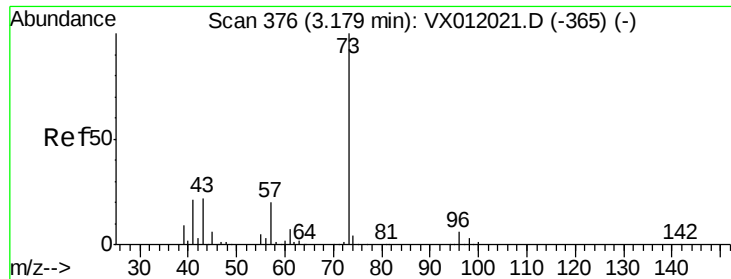
MMDadoda
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#18
Methyl Acetate
Concen: 58.228 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.00 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.5	29.3





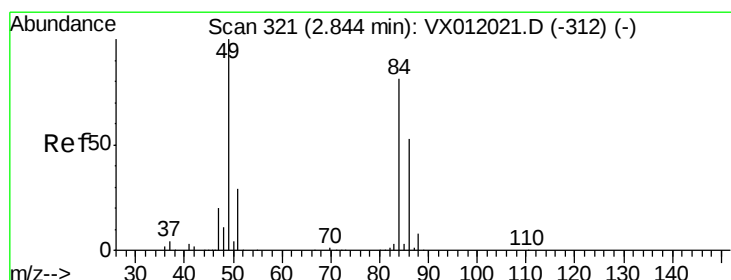
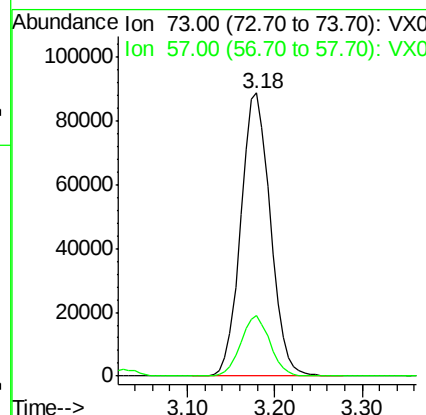
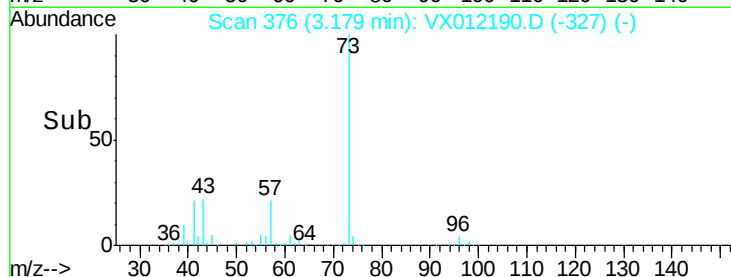
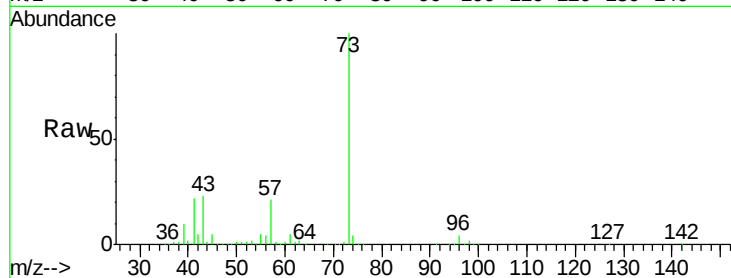
#19
Methvl tert-butvl Ether
Concen: 57.878 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 208889
Ion Ratio Lower Upper
73 100
57 21.4 16.6 25.0

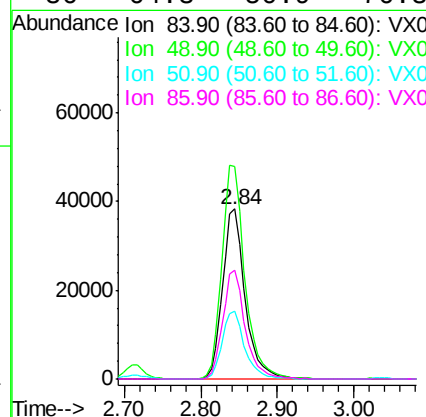
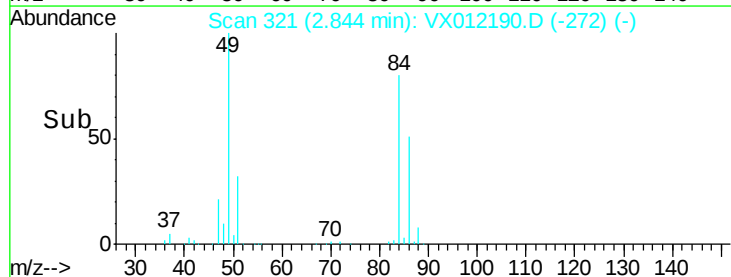
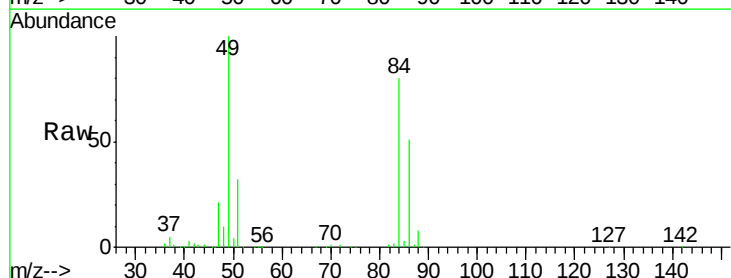
Manual Integrations
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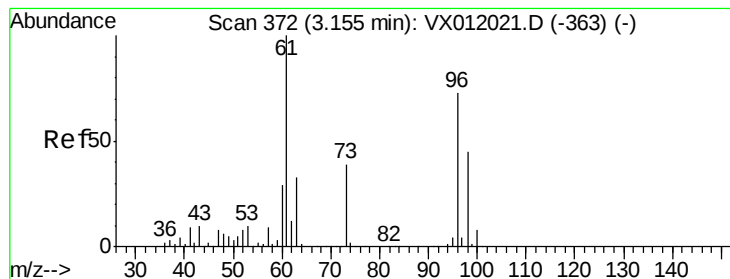
MMDadoda
9/9/2019 9:19:10 AM



#20
Methylene Chloride
Concen: 52.394 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Tgt Ion: 84 Resp: 78119
Ion Ratio Lower Upper
84 100
49 124.9 95.8 143.8
51 39.9 28.6 43.0
86 64.3 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 54.174 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 70476

Ion Ratio Lower Upper

96 100

61 147.4 107.0 160.6

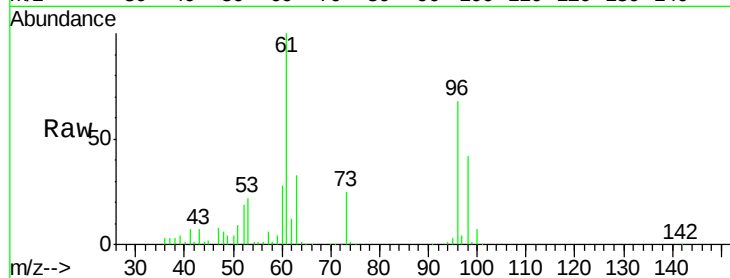
98 61.5 49.8 74.6

Manual Integrations

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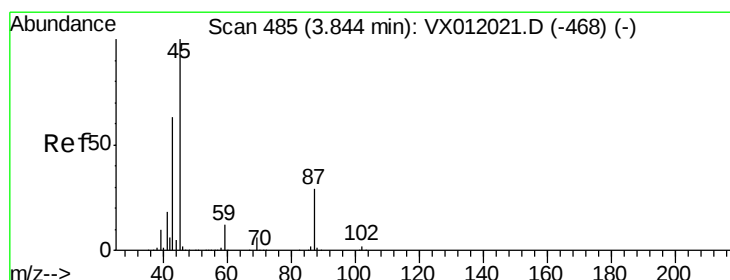
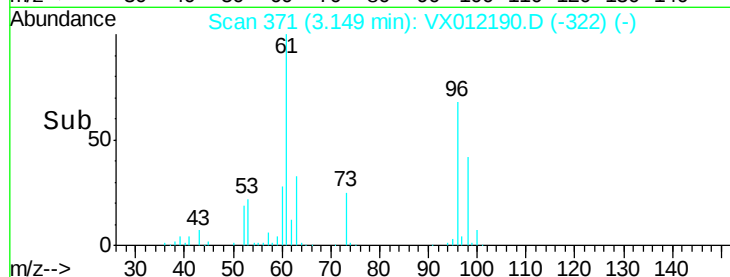
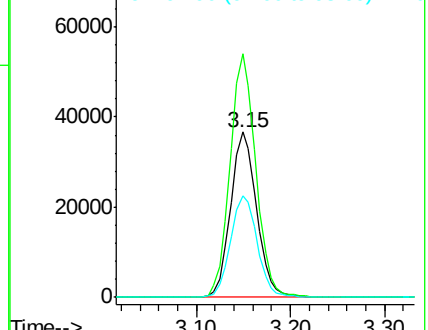
9/9/2019 9:19:10 AM



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: 58.185 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

Tgt Ion: 45 Resp: 237899

Ion Ratio Lower Upper

45 100

43 67.9 54.2 81.4

87 27.5 23.4 35.0

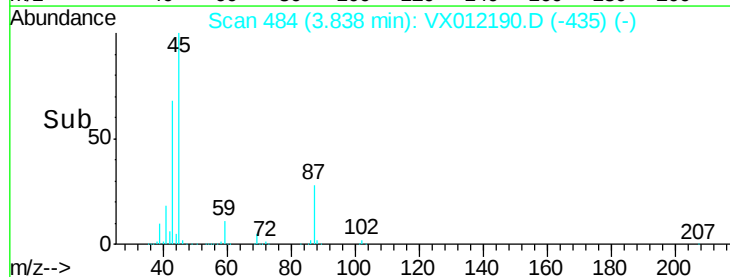
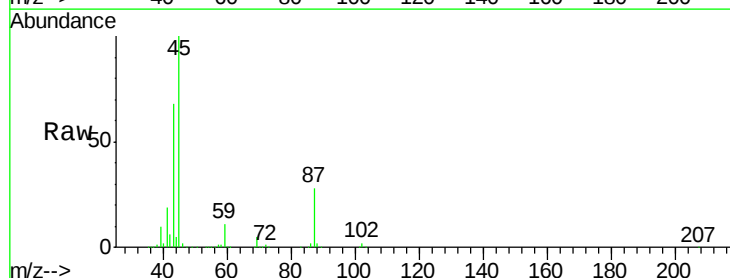
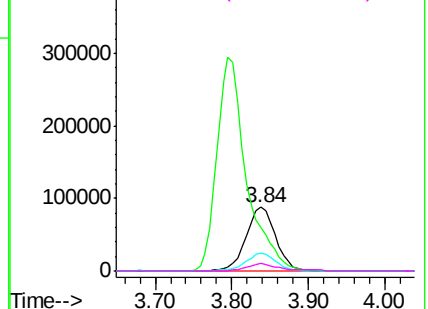
59 11.3 9.0 13.6

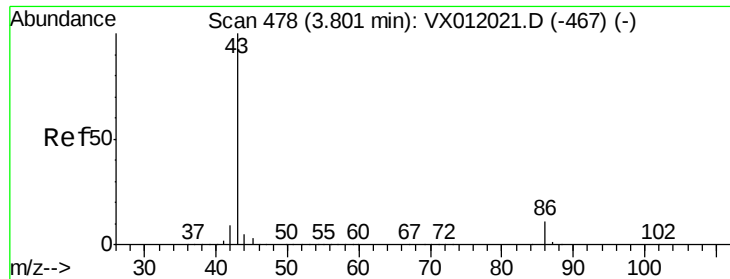
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 298.413 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.01 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 789270

Ion Ratio Lower Upper

43 100

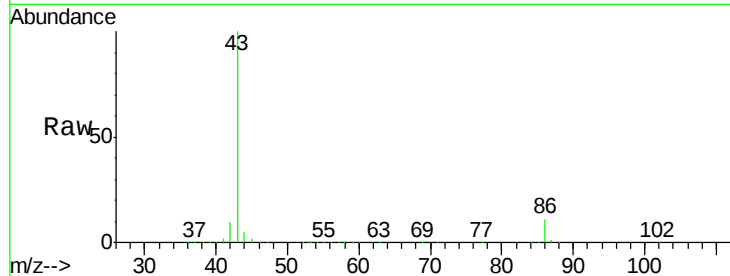
86 10.7 9.0 13.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

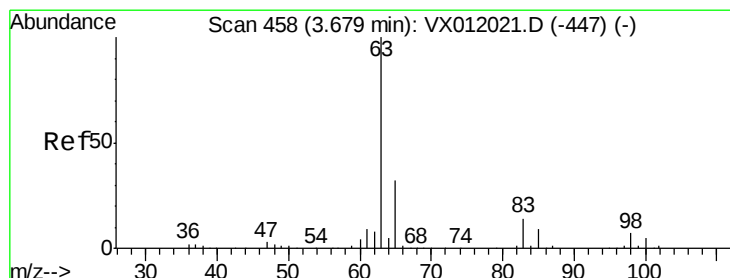
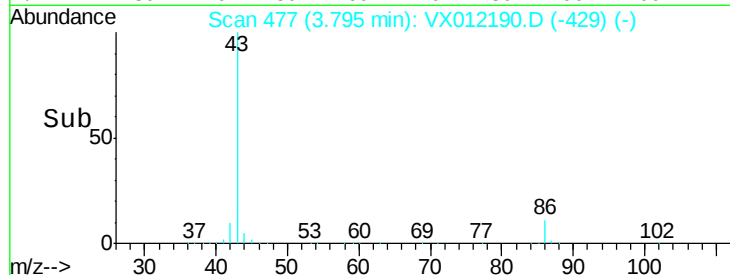
200000

100000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 55.721 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

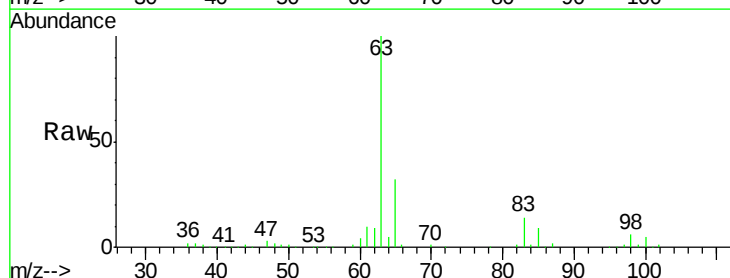
Tgt Ion: 63 Resp: 132131

Ion Ratio Lower Upper

63 100

98 6.4 3.9 11.7

100 4.9 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

60000

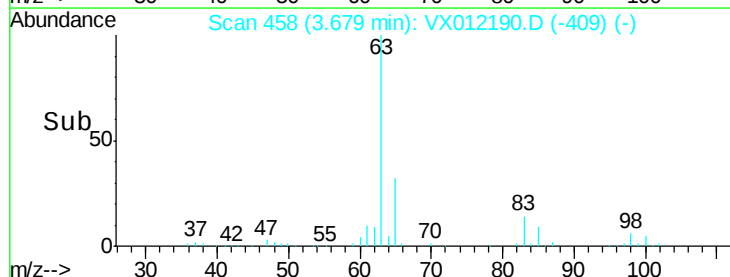
40000

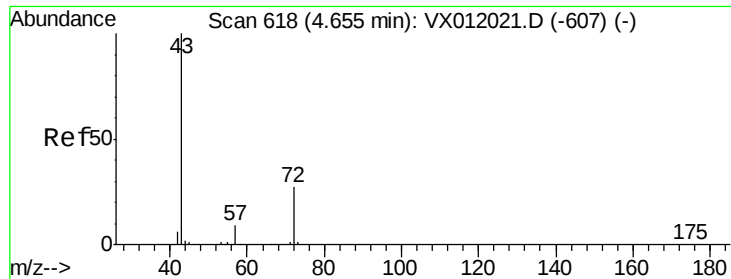
20000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 290.840 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 137461

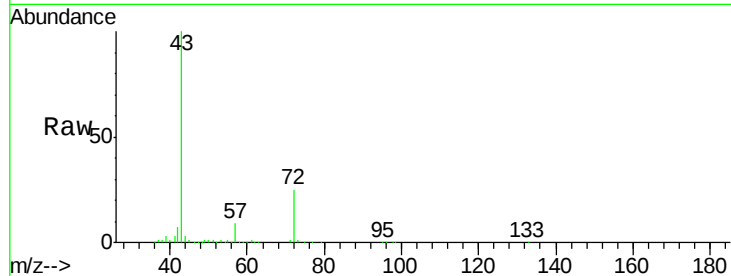
Ion Ratio Lower Upper

43 100

72 24.5 21.3 31.9

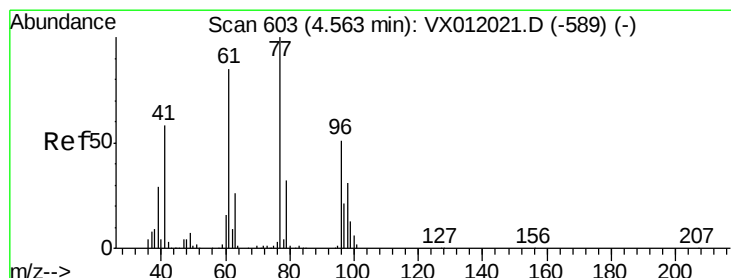
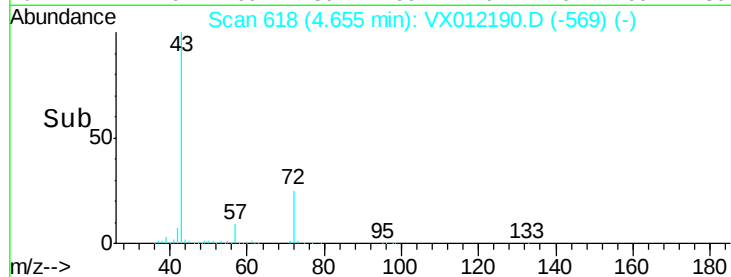
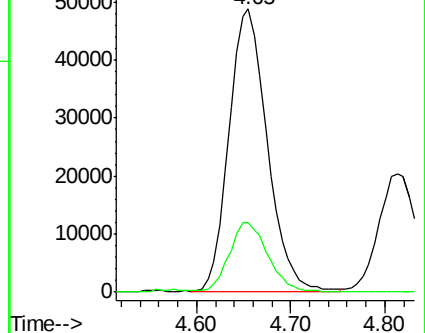
Manual Integrations
APPROVED

MMDadoda
9/9/2019 9:19:10 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 46.801 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012190.D

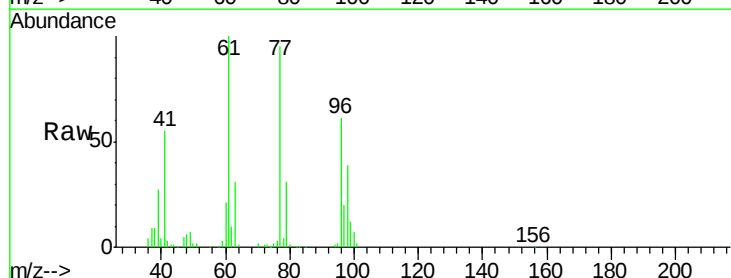
Acq: 07 Sep 2019 21:48

Tgt Ion: 77 Resp: 102462

Ion Ratio Lower Upper

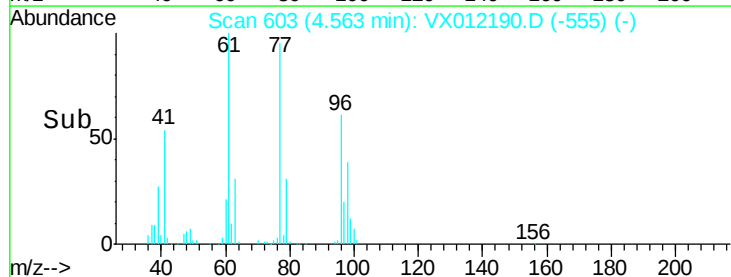
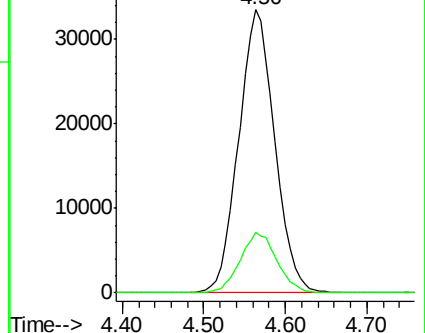
77 100

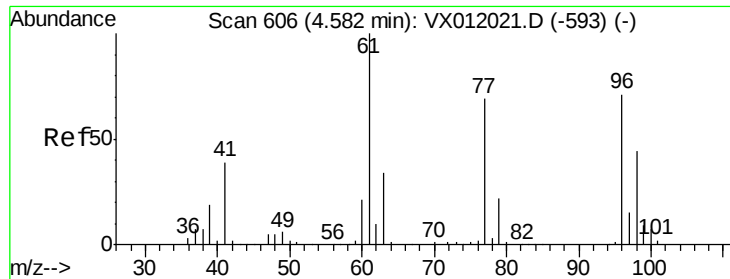
97 21.7 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

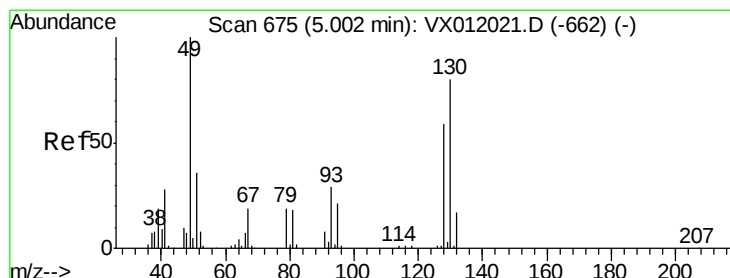
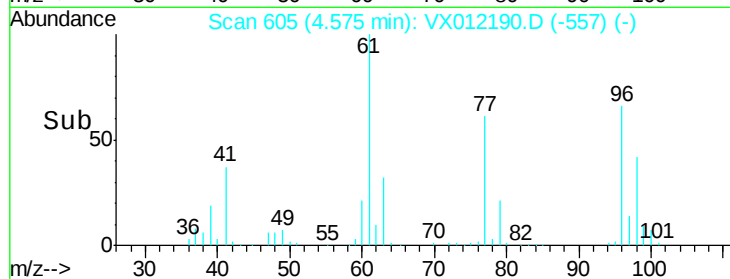
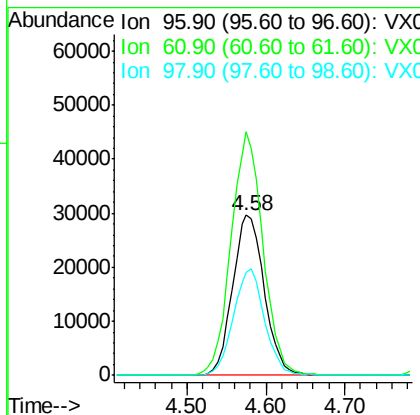
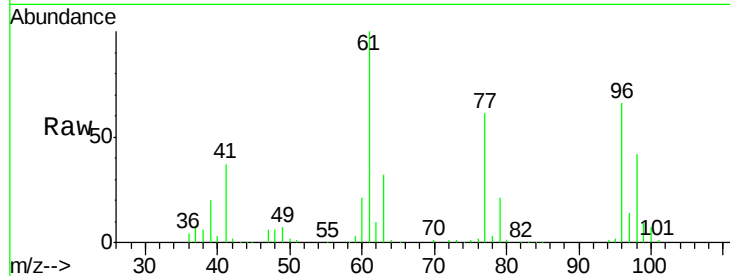
cis-1,2-Dichloroethene
Concen: 54.507 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	83119		
61	152.3	0.0	277.0	
98	65.2	0.0	128.4	

Manual Integrations
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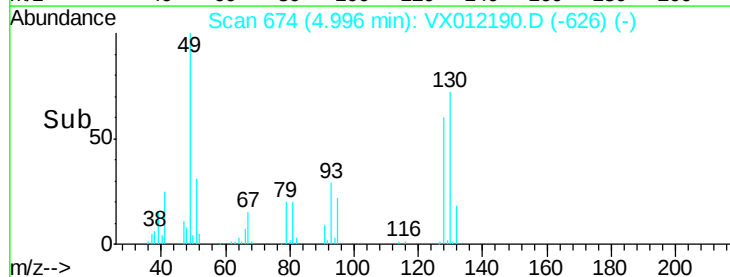
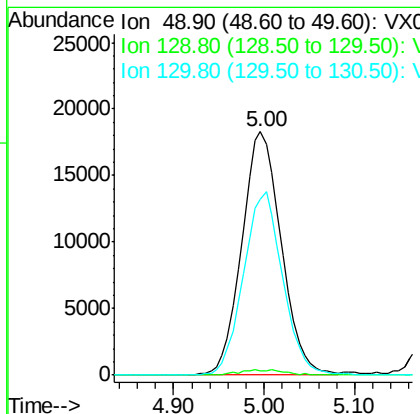
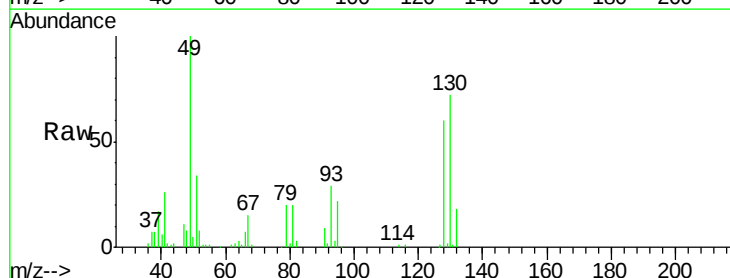
MMDadoda
9/9/2019 9:19:10 AM

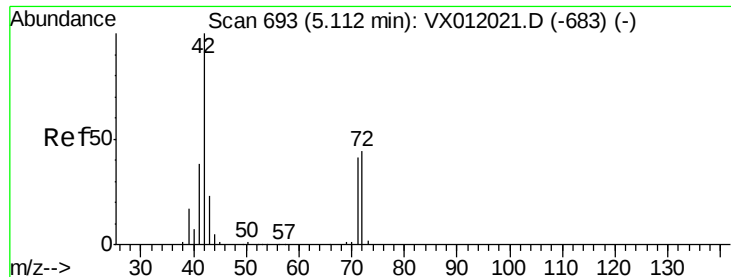


#28

Bromochloromethane
Concen: 58.242 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	55130		
129	2.3	0.0	5.6	
130	74.5	76.7	115.1#	





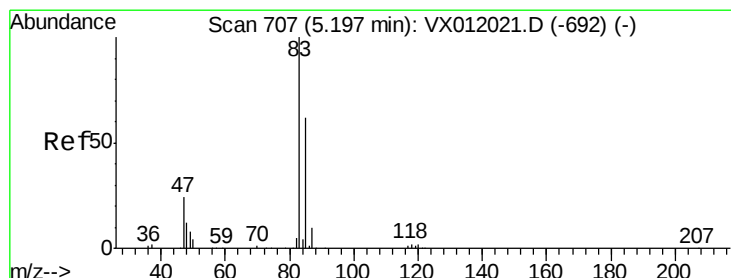
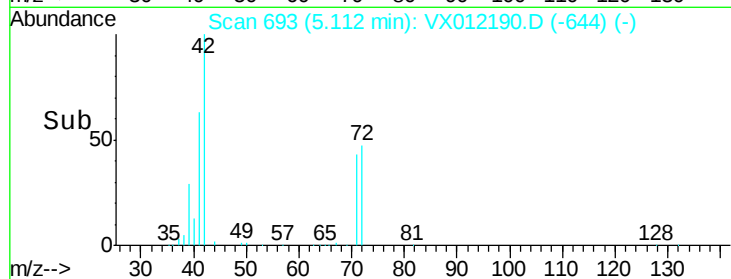
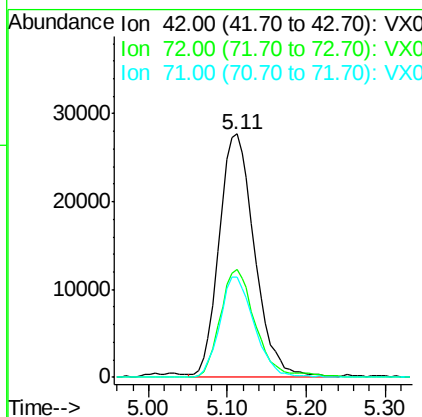
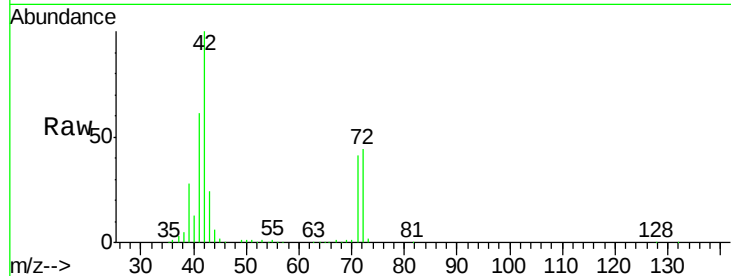
#29
Tetrahydrofuran
Concen: 301.294 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	37.0	55.4
71	40.7	33.8	50.8

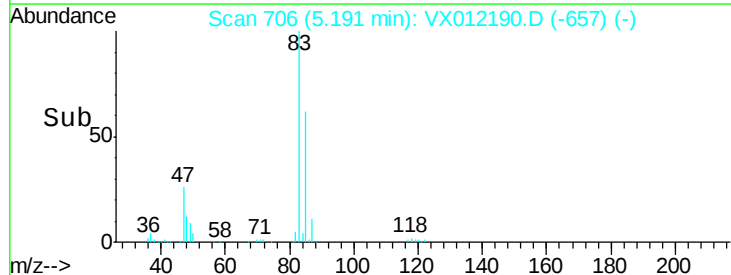
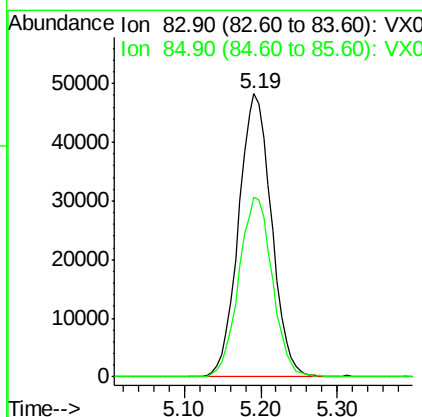
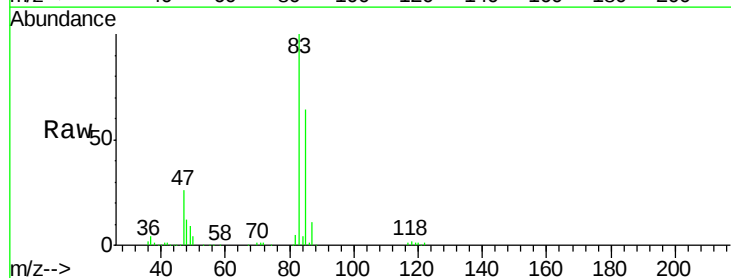
Manual Integrations
APPROVED

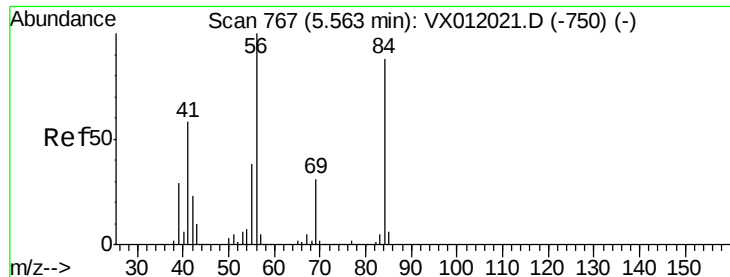
MMDadoda
9/9/2019 9:19:10 AM



#30
Chloroform
Concen: 56.697 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.6	78.8





#31

Cyclohexane

Concen: 47.936 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.00 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 91293

Ion Ratio Lower Upper

56 100

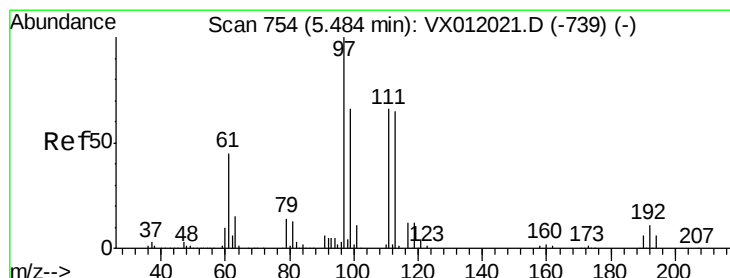
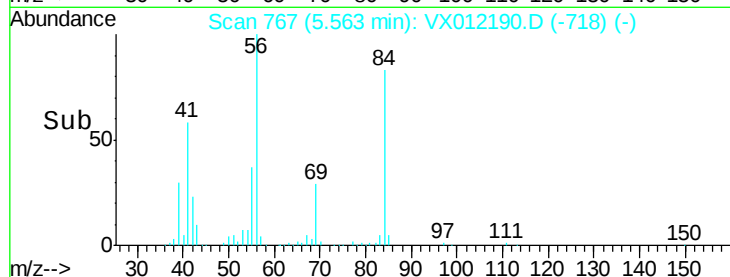
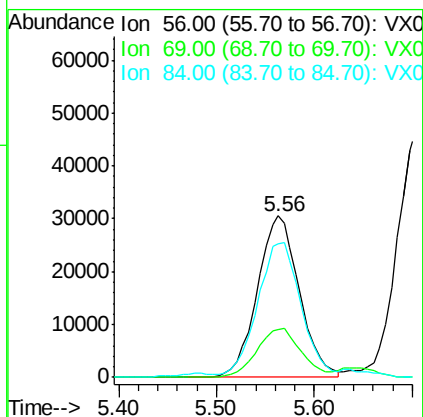
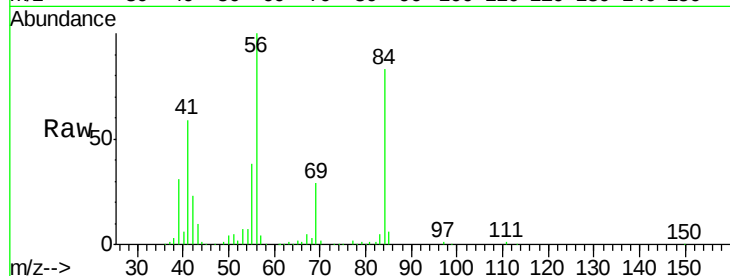
69 29.4 25.7 38.5

84 80.5 70.3 105.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 54.377 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

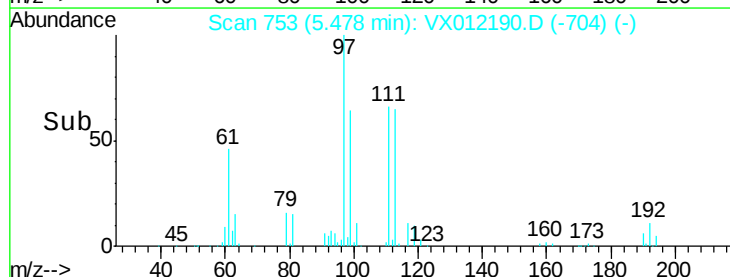
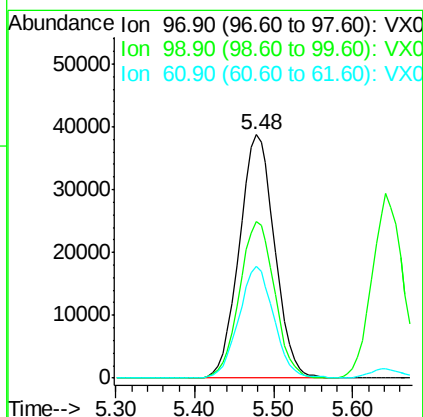
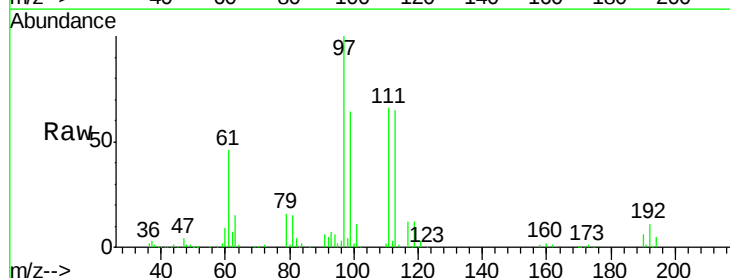
Tgt Ion: 97 Resp: 120504

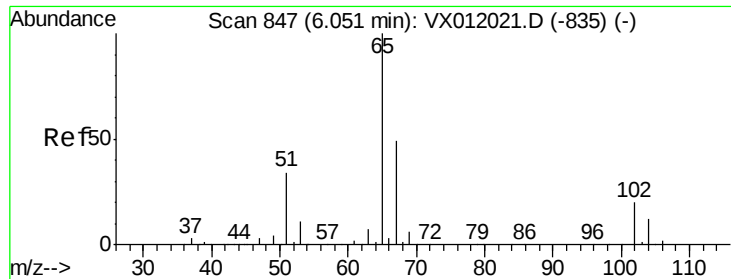
Ion Ratio Lower Upper

97 100

99 63.9 52.1 78.1

61 45.5 32.8 49.2





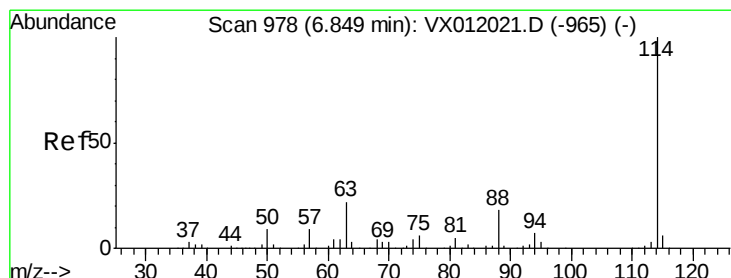
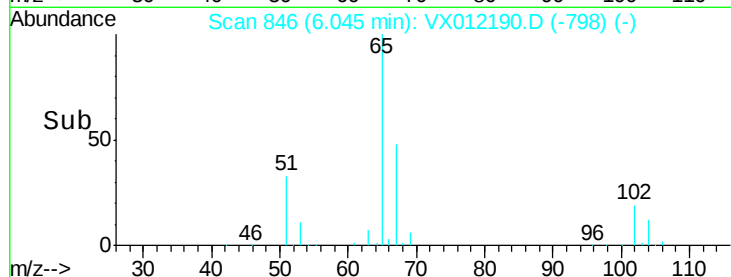
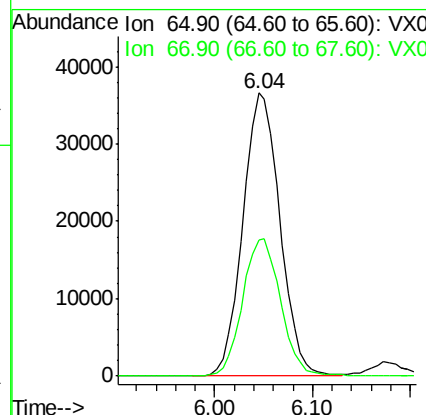
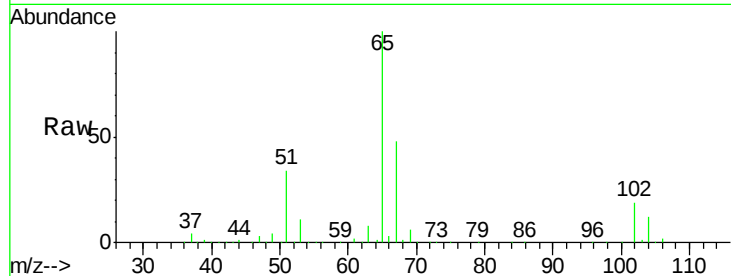
#33
 1,2-Dichloroethane-d4
 Concen: 61.973 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX012190.D
 Acq: 07 Sep 2019 21:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	49.8	0.0	102.0

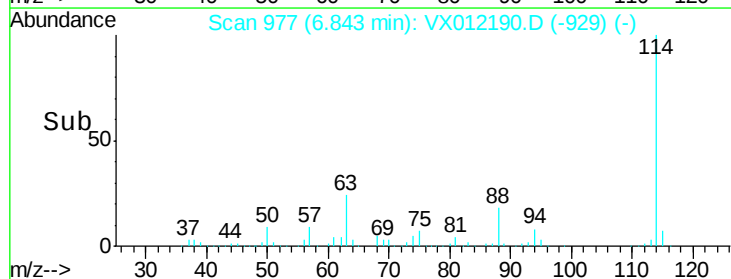
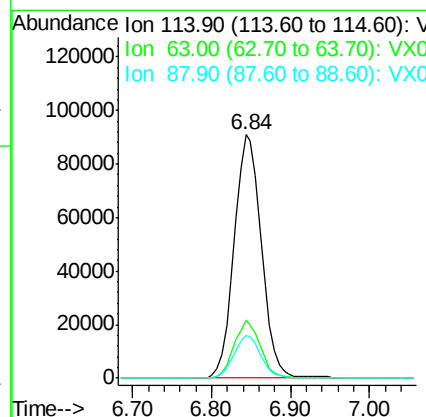
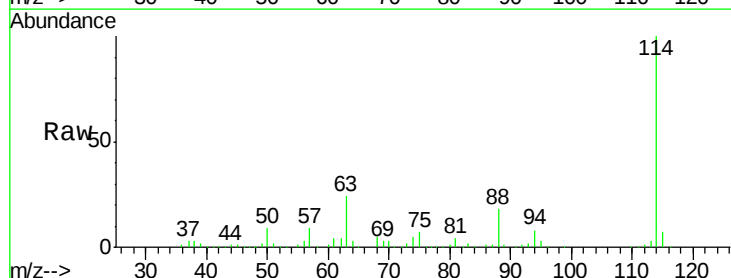
Manual Integrations
 APPROVED

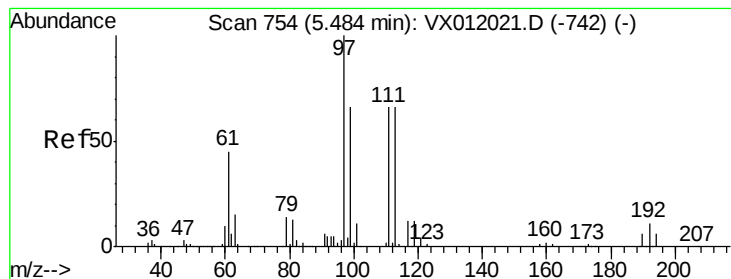
MMDadoda
 9/9/2019 9:19:10 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX012190.D
 Acq: 07 Sep 2019 21:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.0	0.0	37.4
88	17.7	0.0	29.6





#35

Dibromofluoromethane

Concen: 55.272 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

Instrument :

MSVOA_X

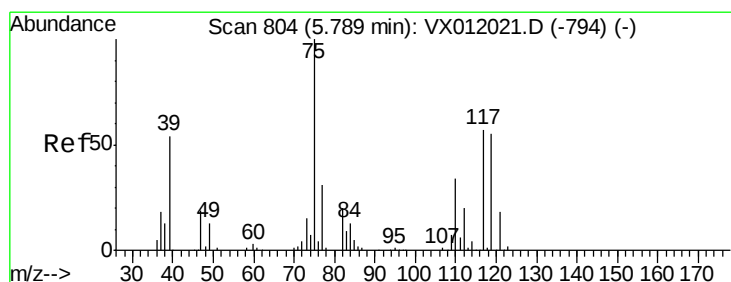
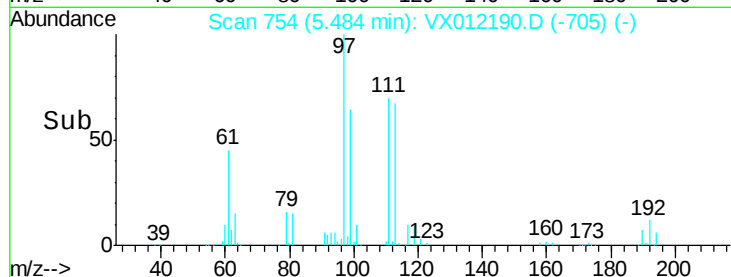
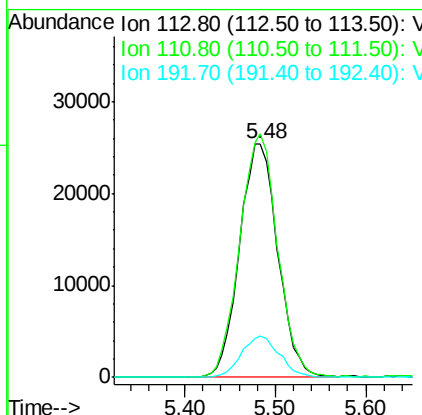
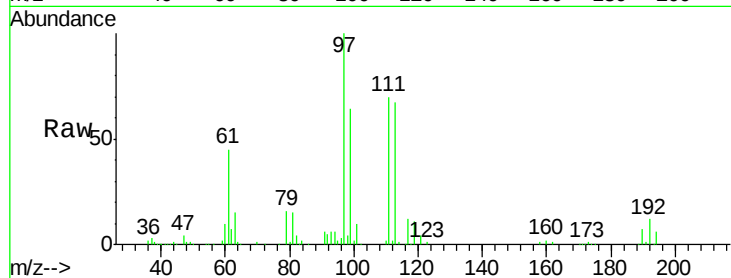
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.7	122.5
192	17.5	22.5	33.7

Manual Integrations
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9/9/2019 9:19:10 AM



#36

1,1-Dichloropropene

Concen: 47.808 ug/l

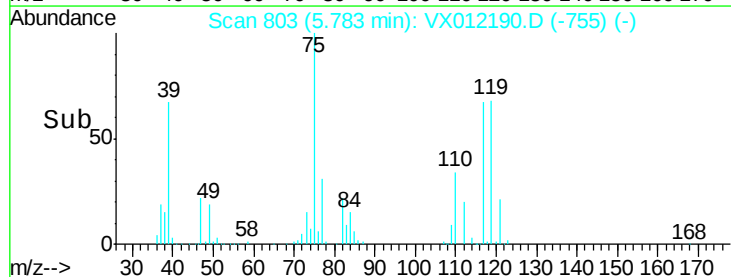
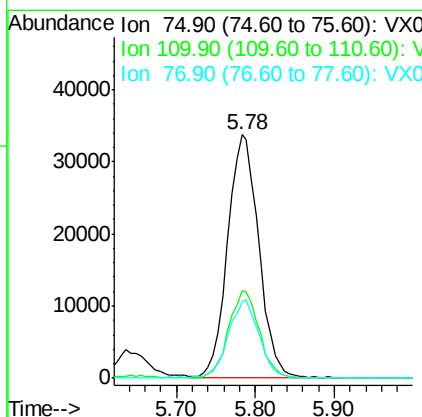
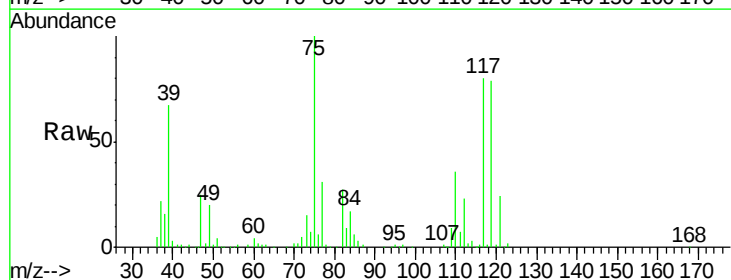
RT: 5.78 min Scan# 803

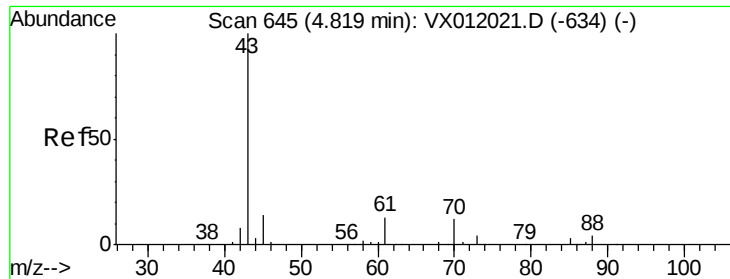
Delta R.T. -0.01 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	19.5	58.5
77	31.2	24.6	37.0





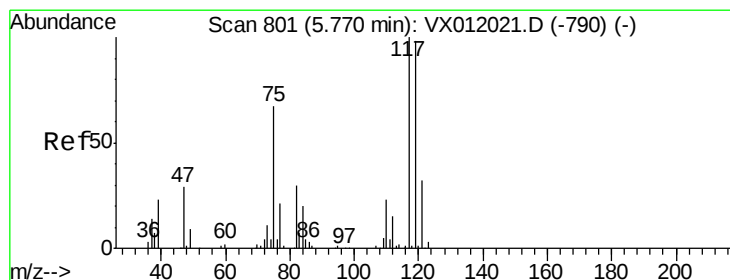
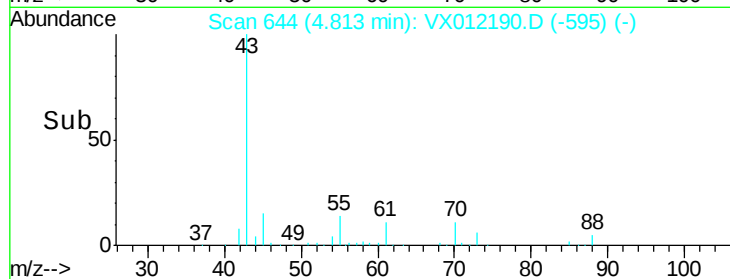
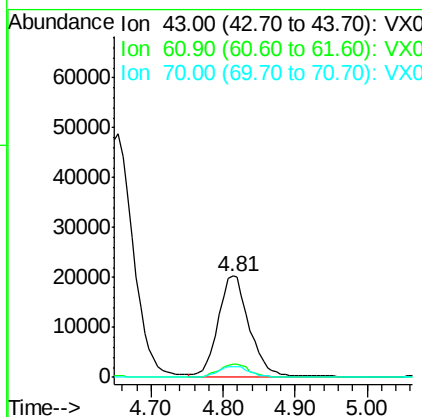
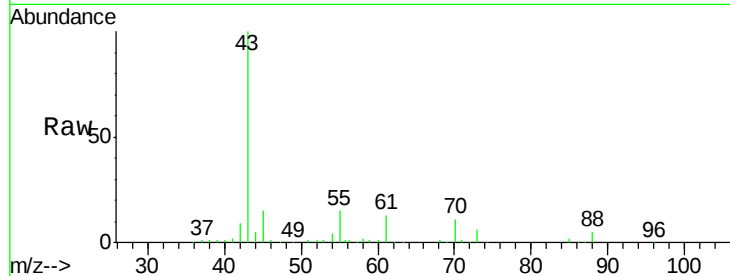
#37
Ethyl Acetate
Concen: 58.092 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.00 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	60872
Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.9	16.3
70	11.2	9.4	14.0

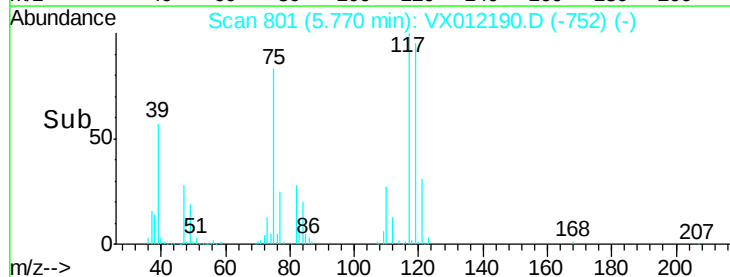
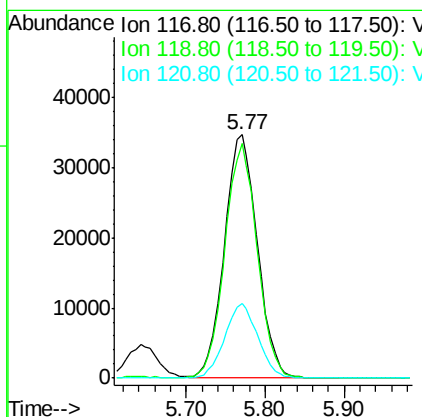
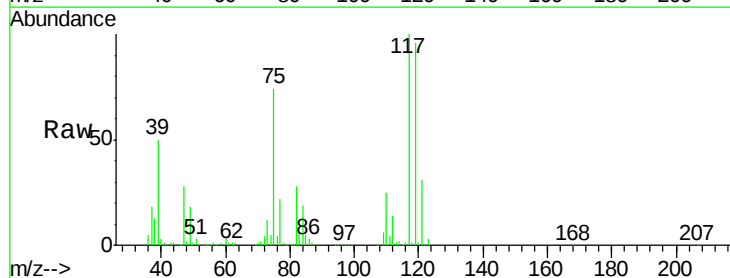
Manual Integrations
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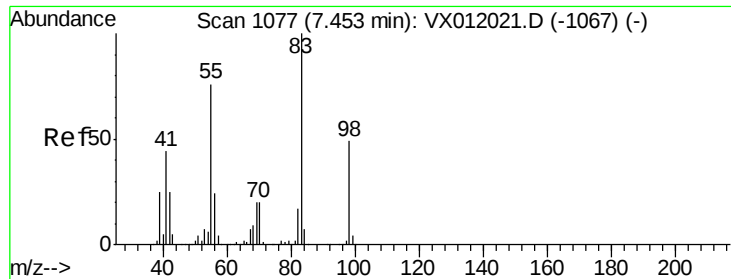
MMDadoda
9/9/2019 9:19:10 AM



#38
Carbon Tetrachloride
Concen: 49.869 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Tgt Ion:	117	Resp:	101258
Ion	Ratio	Lower	Upper
117	100		
119	96.1	78.3	117.5
121	30.9	24.2	36.2





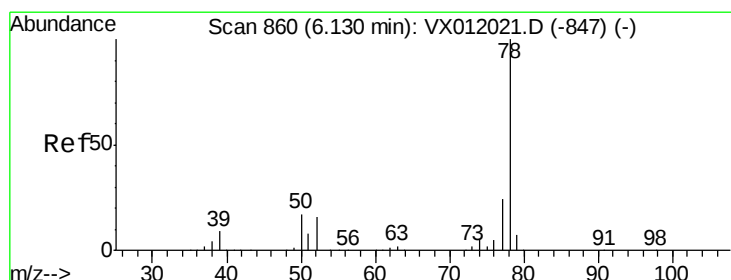
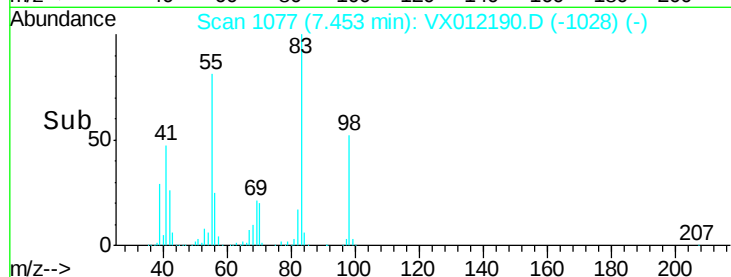
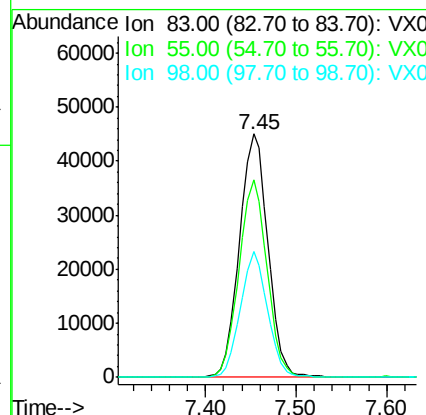
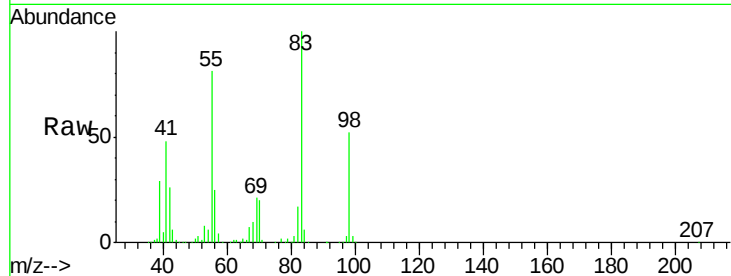
#39
Methylvlcyclohexane
Concen: 43.945 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.2	59.6	89.4
98	51.6	41.4	62.0

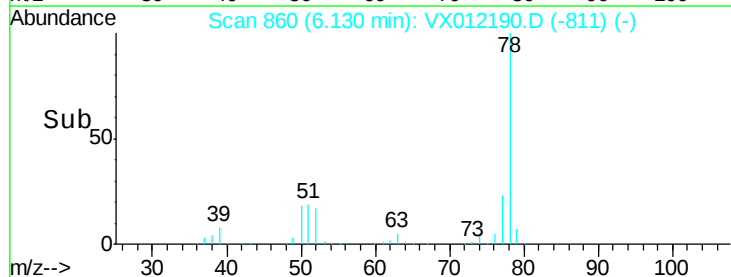
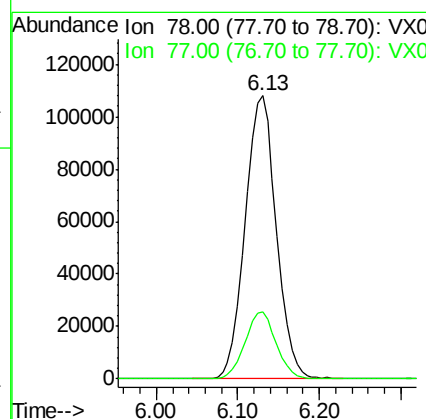
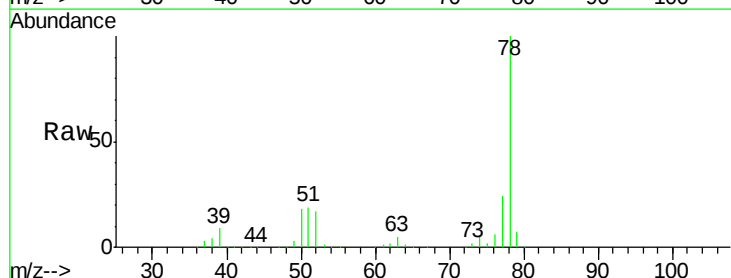
Manual Integrations
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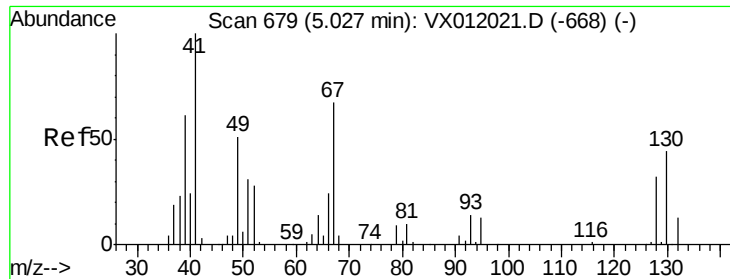
MMDadoda
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#40
Benzene
Concen: 51.793 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.3	28.9





#41

Methacrylonitrile

Concen: 57.663 ug/l

RT: 5.02 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

Instrument :

MSVOA_X

ClientSampleId :

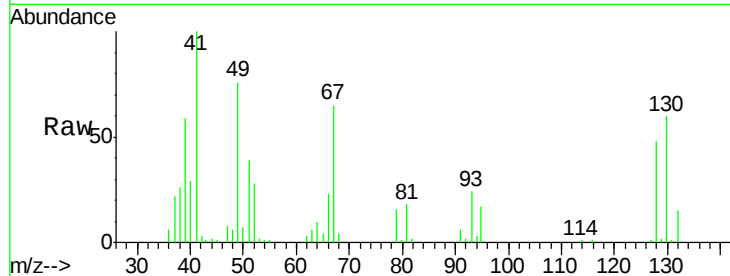
VSTDCCC050

Tot Ion: 41 Resp: 36033

Ion	Ratio	Lower	Upper
41	100		
39	58.0	46.7	70.1
67	67.3	57.0	85.6
52	29.6	23.5	35.3

Manual Integrations
APPROVED

MMDadoda
9/9/2019 9:19:10 AM



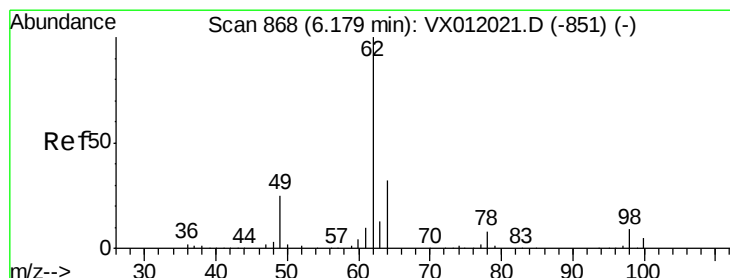
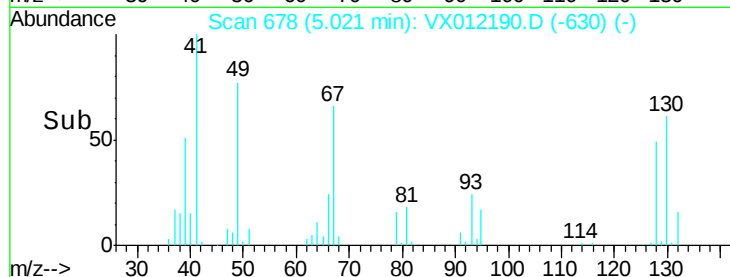
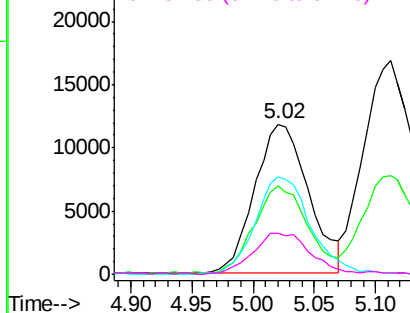
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 56.801 ug/l

RT: 6.18 min Scan# 868

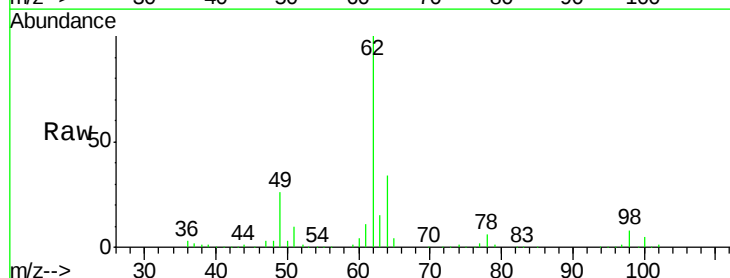
Delta R.T. -0.00 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

Tgt Ion: 62 Resp: 113075

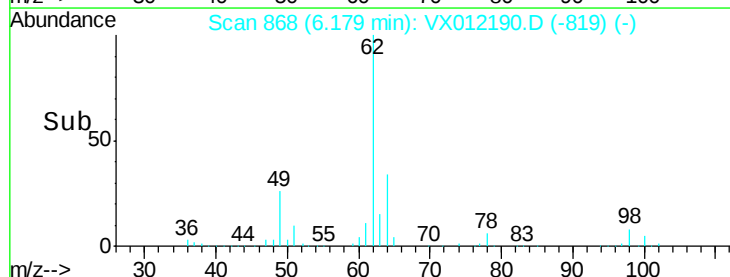
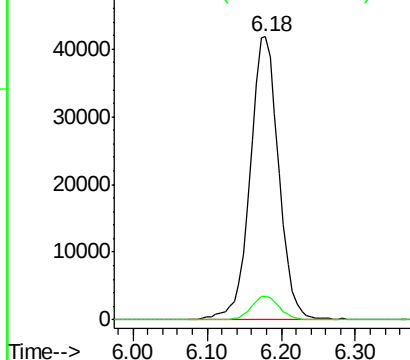
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	19.2

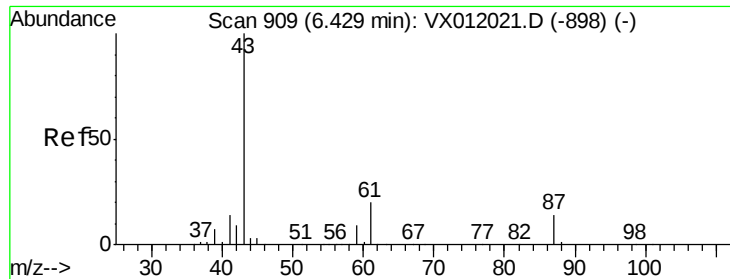


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

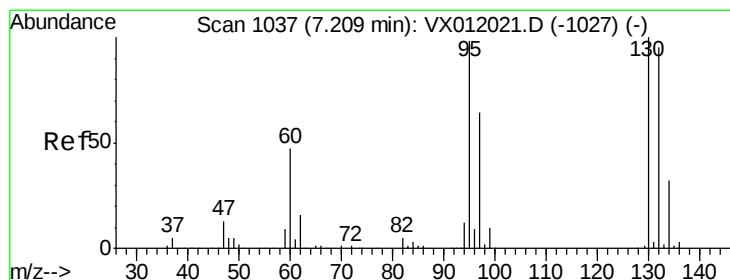
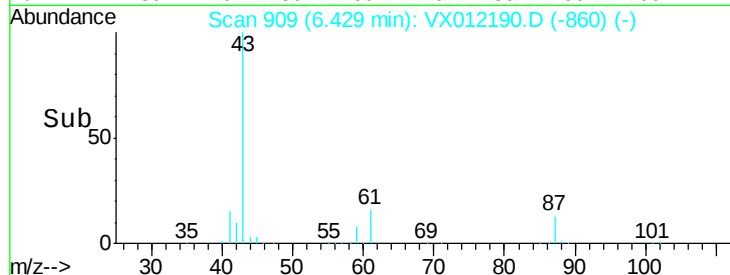
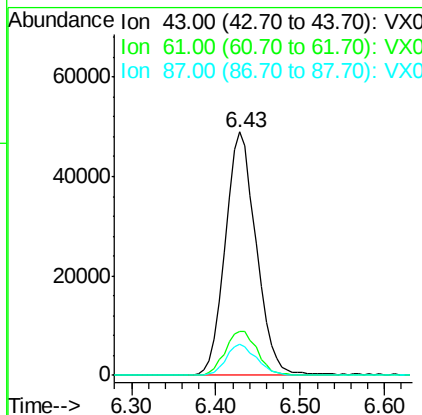
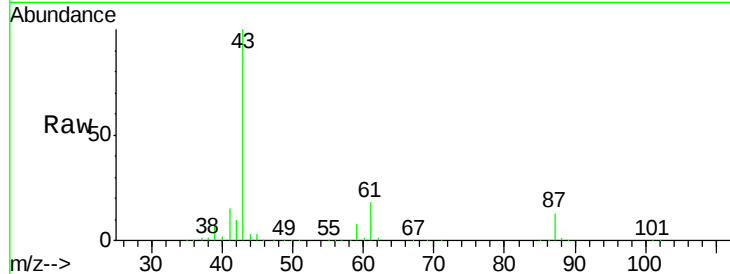
Isopropyl Acetate
 Concen: 57.057 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: VX012190.D
 Acq: 07 Sep 2019 21:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	16.1	24.1
87	12.8	11.3	16.9

Manual Integrations
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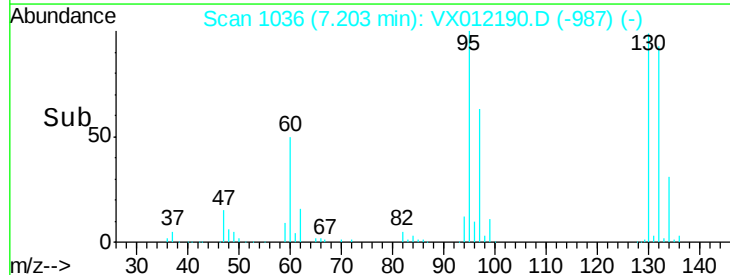
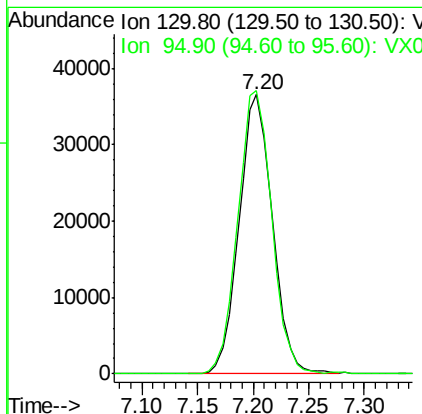
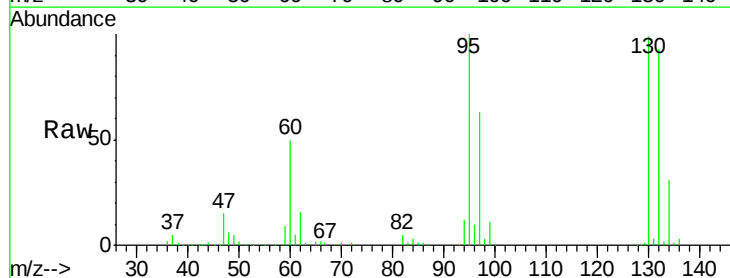
MMDadoda
 9/9/2019 9:19:10 AM

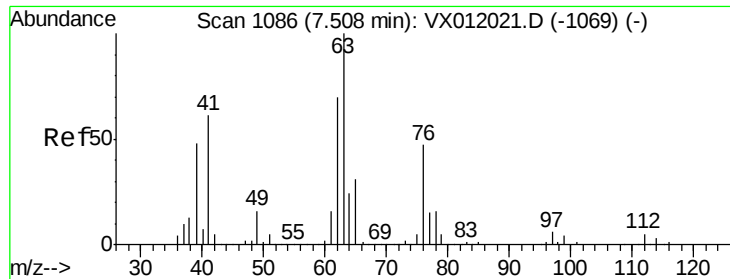


#44

Trichloroethene
 Concen: 51.009 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX012190.D
 Acq: 07 Sep 2019 21:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	176.4





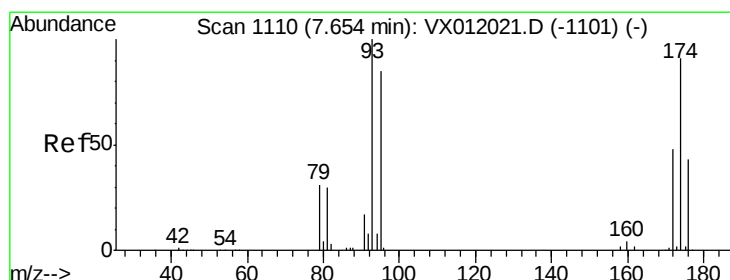
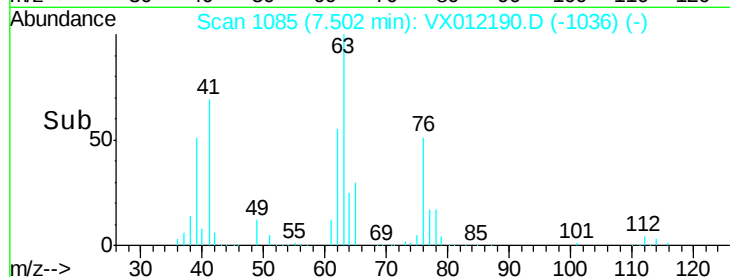
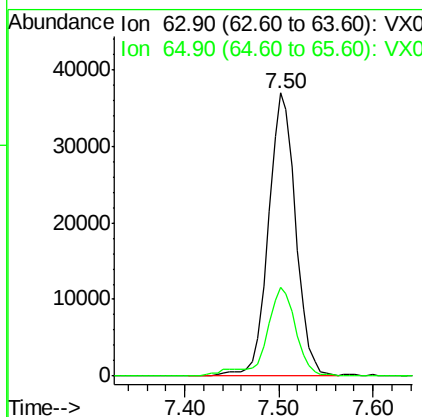
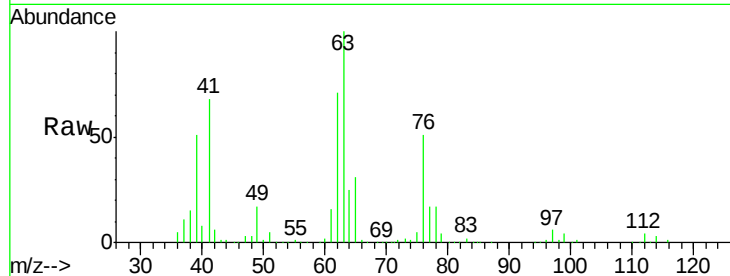
#45
 1,2-Dichloropropane
 Concen: 52.780 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX012190.D
 Acq: 07 Sep 2019 21:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 75435
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.6

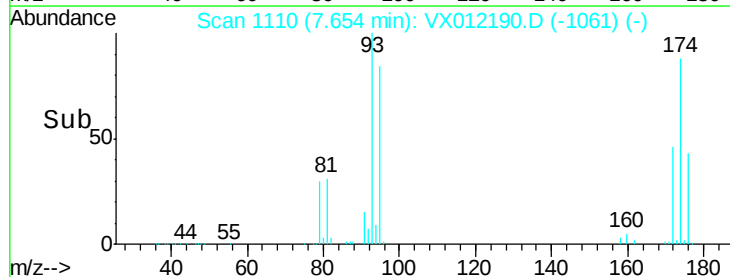
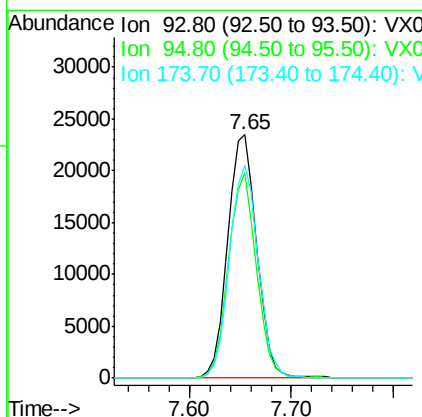
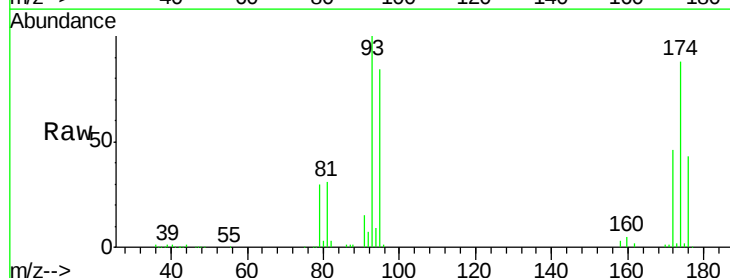
Manual Integrations
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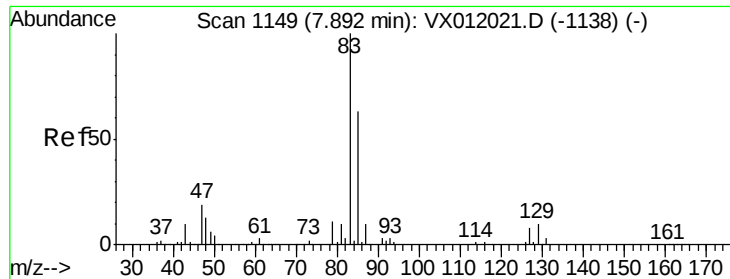
MMDadoda
 9/9/2019 9:19:10 AM



#46
 Dibromomethane
 Concen: 55.329 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012190.D
 Acq: 07 Sep 2019 21:48

Tgt Ion: 93 Resp: 46163
 Ion Ratio Lower Upper
 93 100
 95 81.2 66.2 99.2
 174 86.6 110.2 165.4#





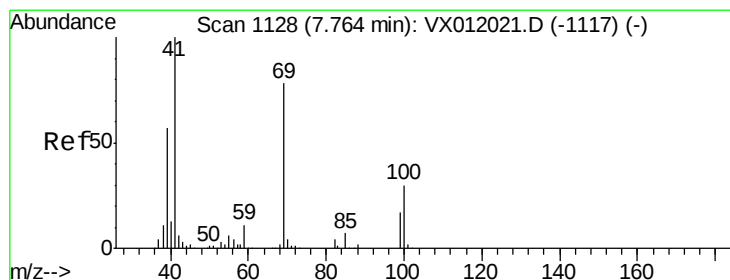
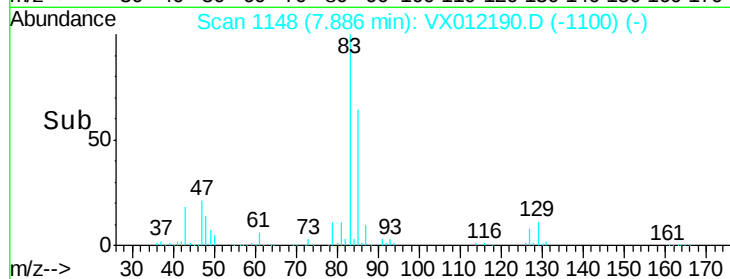
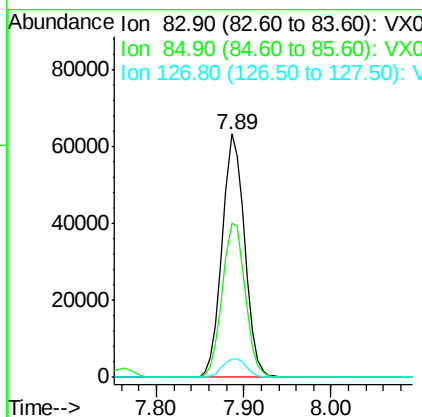
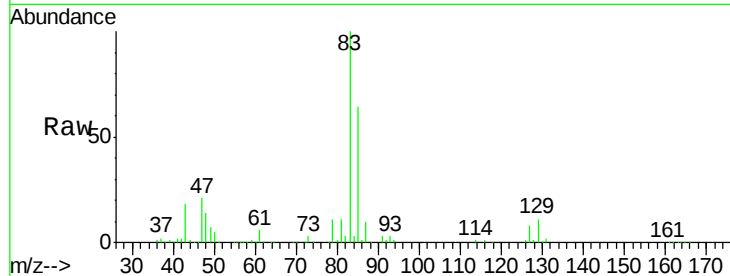
#47
Bromodichloromethane
Concen: 53.258 ug/l
RT: 7.89 min Scan# 1148
Delta R.T. -0.01 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	112947
Ion Ratio	100	Lower	Upper
83	100		
85	63.5	50.3	75.5
127	7.7	8.1	12.1#

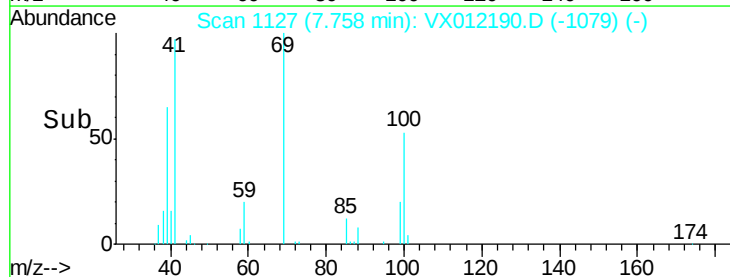
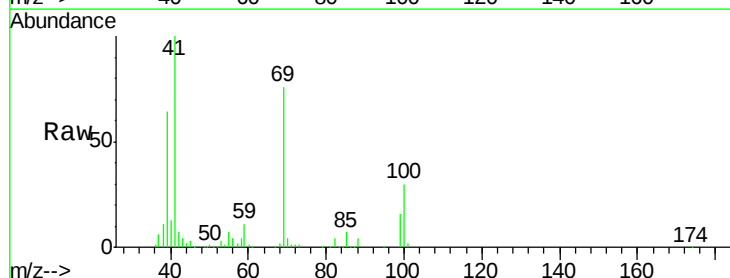
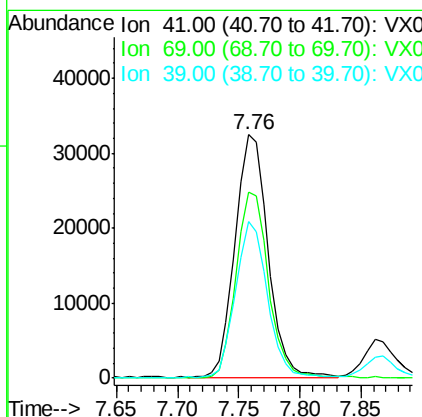
Manual Integrations
APPROVED

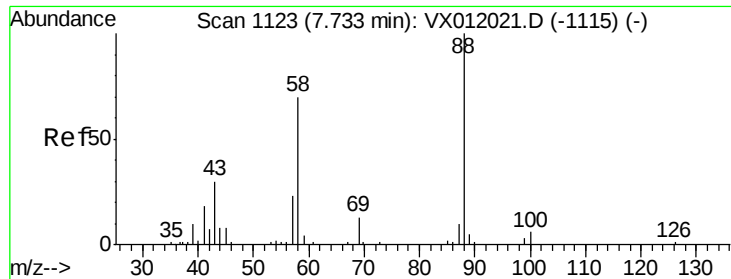
MMDadoda
9/9/2019 9:19:10 AM



#48
Methyl methacrylate
Concen: 56.381 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Tgt Ion	41	Resp	60401
Ion Ratio	100	Lower	Upper
41	100		
69	76.2	66.3	99.5
39	62.3	48.1	72.1





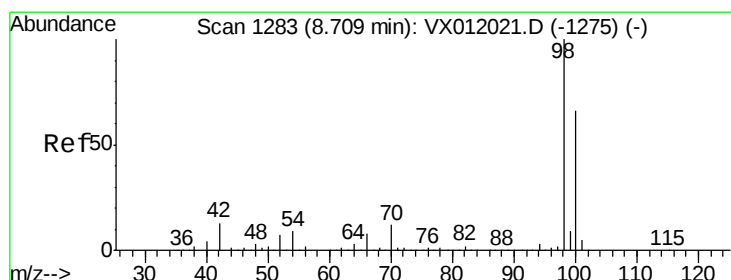
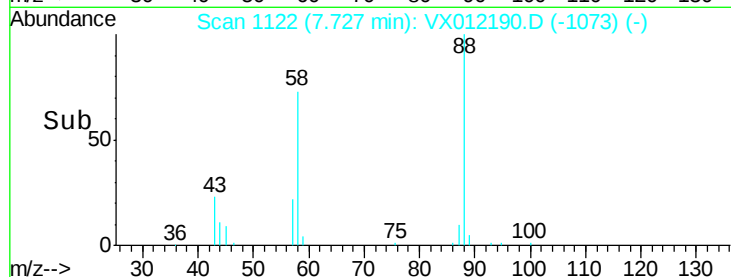
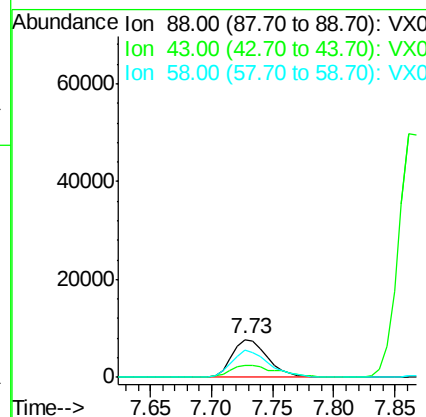
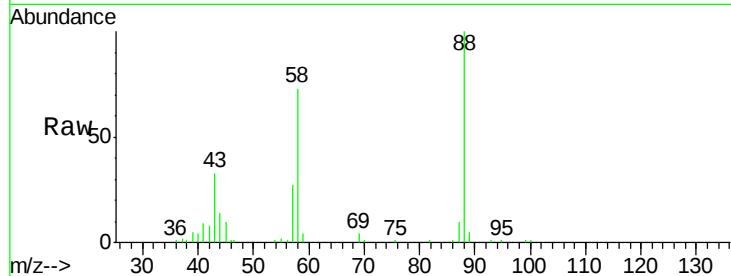
#49
1,4-Dioxane
Concen: 1076.201 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.00 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.5	29.8	44.6
58	74.5	55.4	83.2

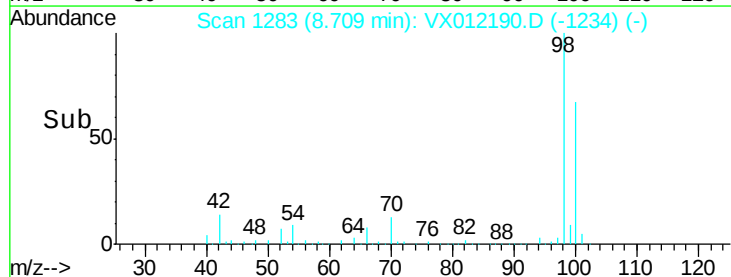
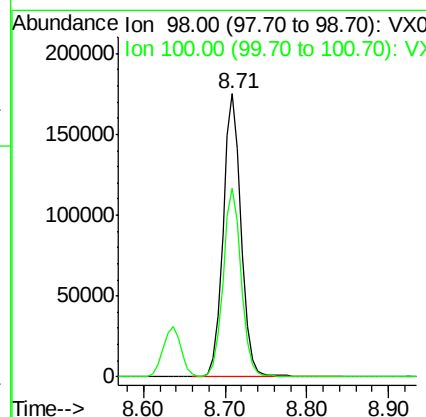
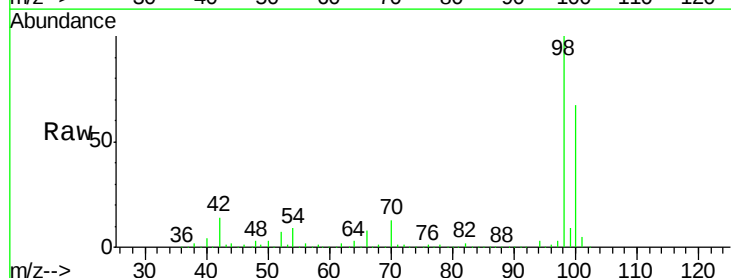
Manual Integrations
APPROVED

MMDadoda
9/9/2019 9:19:10 AM



#50
Toluene-d8
Concen: 54.503 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 282.751 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 306424

Ion Ratio Lower Upper

43 100

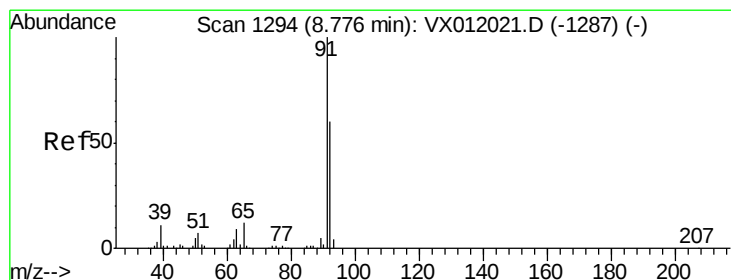
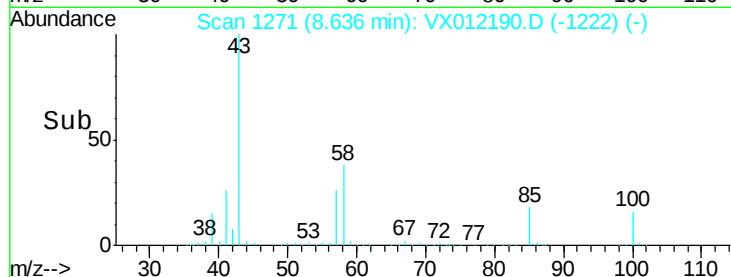
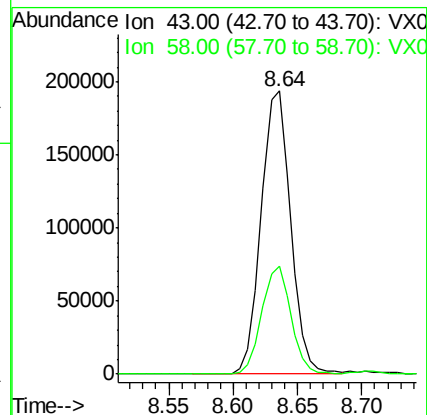
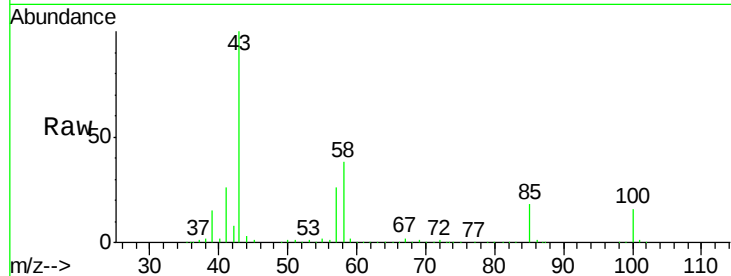
58 37.6 31.5 47.3

Manual Integrations

APPROVED

MMDadoda

9/9/2019 9:19:10 AM



#52

Toluene

Concen: 51.449 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012190.D

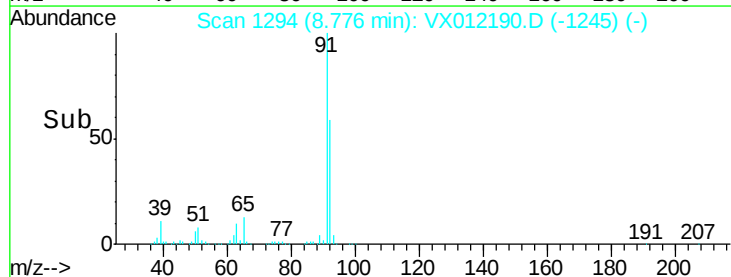
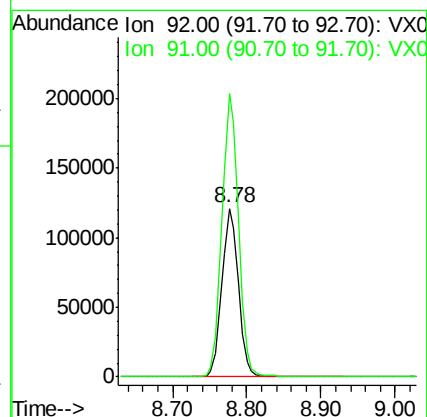
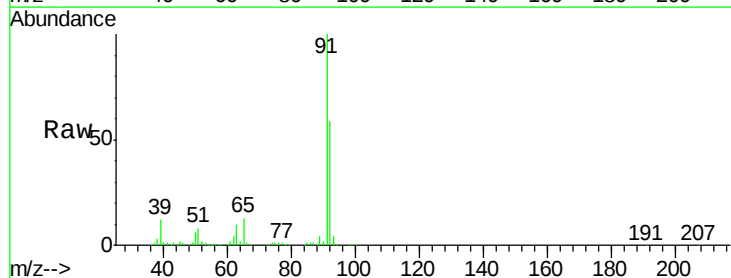
Acq: 07 Sep 2019 21:48

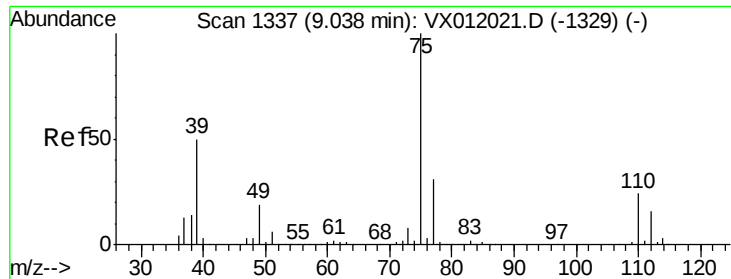
Tgt Ion: 92 Resp: 185180

Ion Ratio Lower Upper

92 100

91 168.7 136.0 204.0





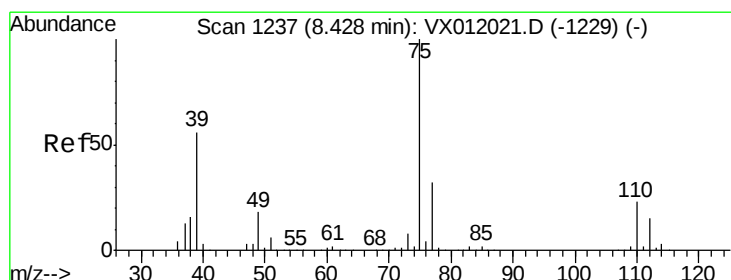
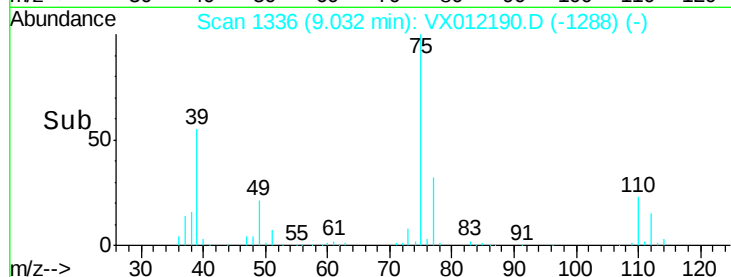
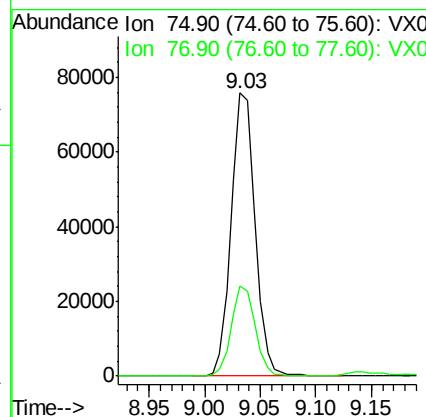
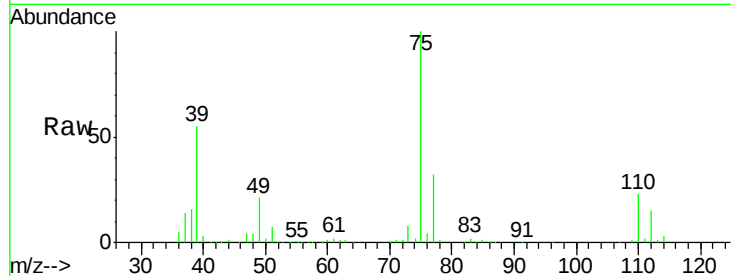
#53
 t-1,3-Dichloropropene
 Concen: 51.460 ug/l
 RT: 9.03 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VX012190.D
 Acq: 07 Sep 2019 21:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 112986
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.1 37.7

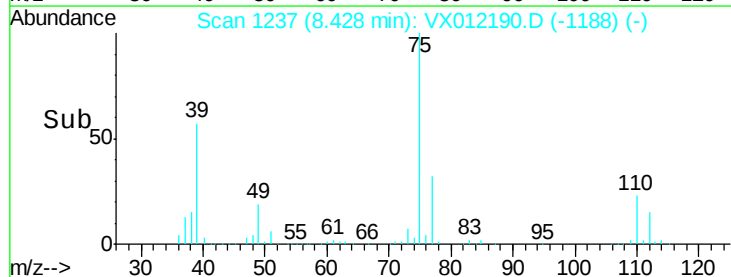
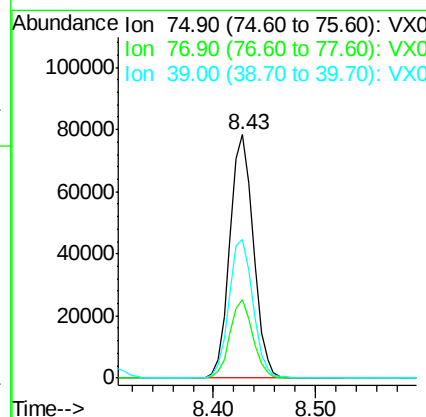
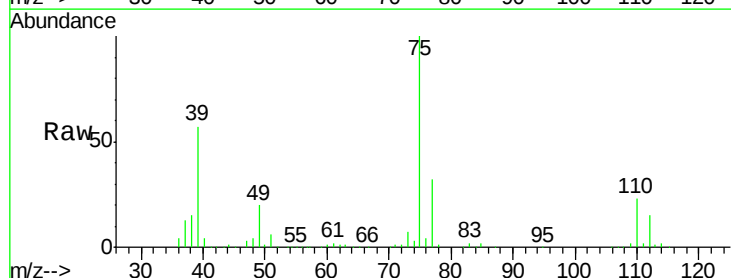
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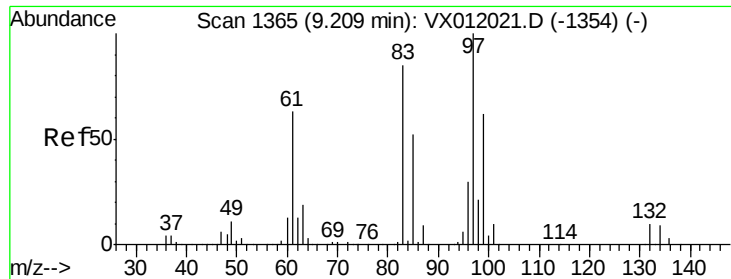
MMDadoda
 9/9/2019 9:19:10 AM



#54
 cis-1,3-Dichloropropene
 Concen: 51.538 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX012190.D
 Acq: 07 Sep 2019 21:48

Tgt Ion: 75 Resp: 125834
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.5 38.3
 39 56.6 43.0 64.4





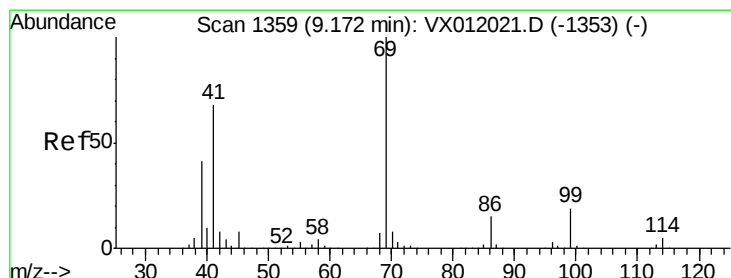
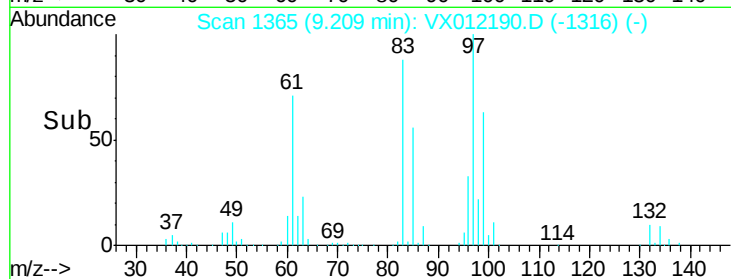
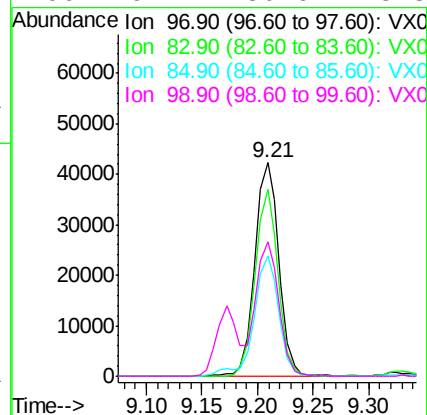
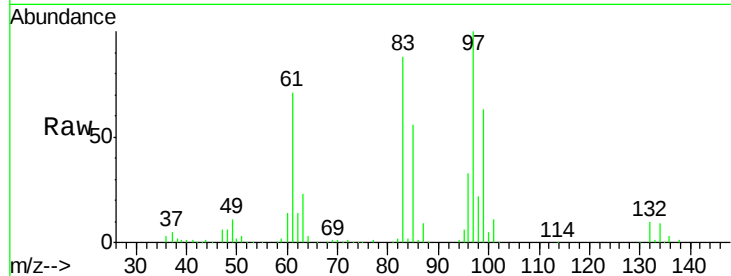
#55
 1,1,2-Trichloroethane
 Concen: 53.248 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012190.D
 Acq: 07 Sep 2019 21:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	63516
Ion	Ratio	Lower	Upper
97	100		
83	87.8	66.0	99.0
85	56.2	41.0	61.6
99	62.7	50.6	75.8

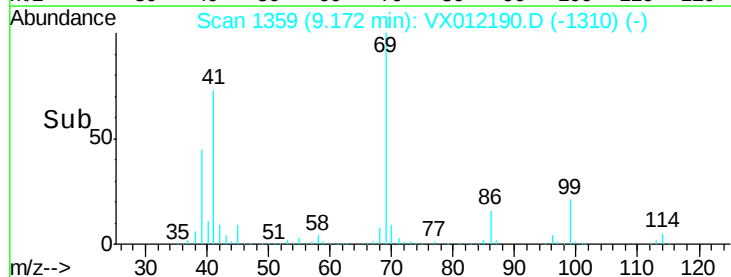
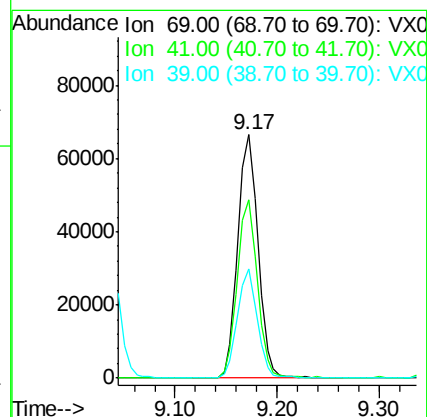
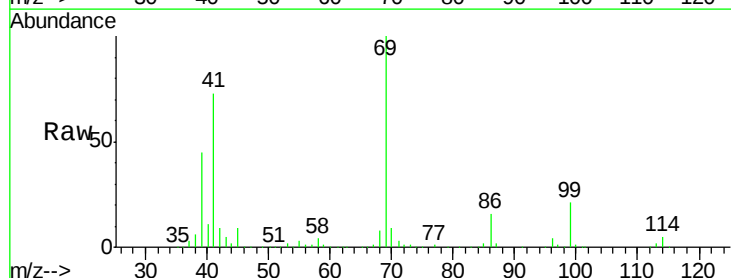
Manual Integrations
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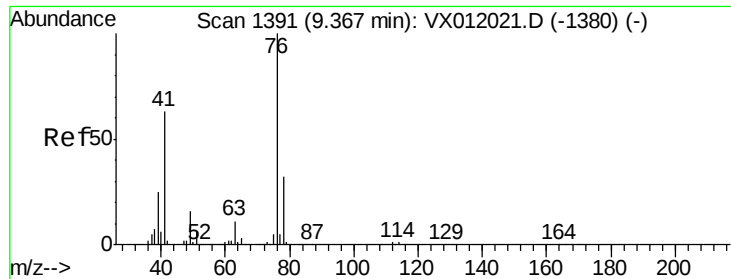
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 53.585 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012190.D
 Acq: 07 Sep 2019 21:48

Tgt Ion	69	Resp	91554
Ion	Ratio	Lower	Upper
69	100		
41	72.3	53.9	80.9
39	43.7	31.1	46.7





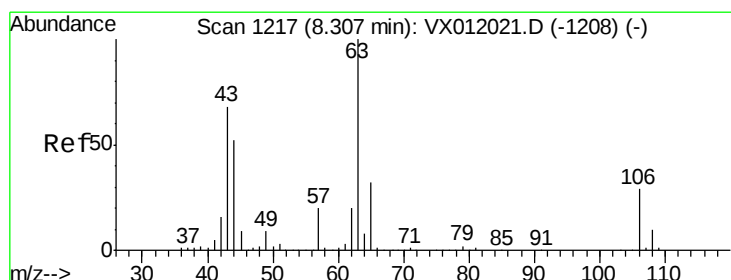
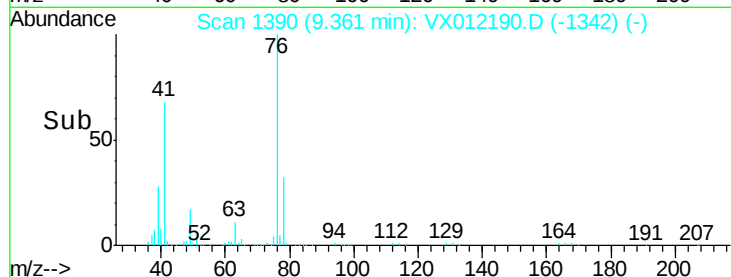
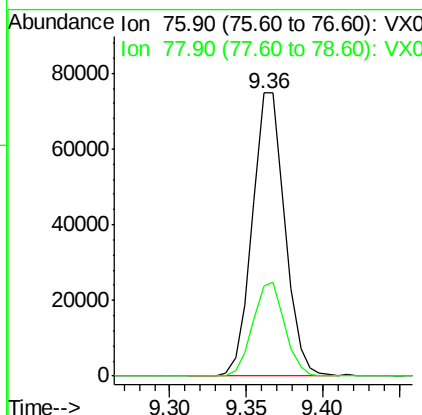
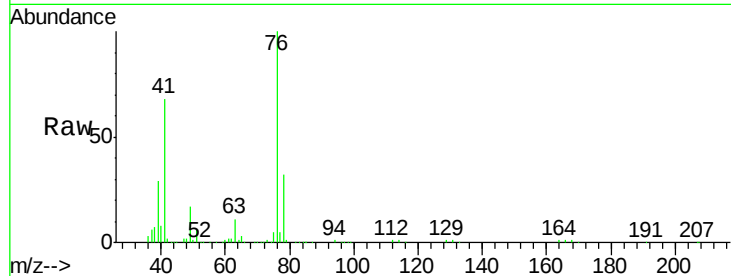
#57
 1,3-Dichloropropane
 Concen: 53.816 ug/l
 RT: 9.36 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VX012190.D
 Acq: 07 Sep 2019 21:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3

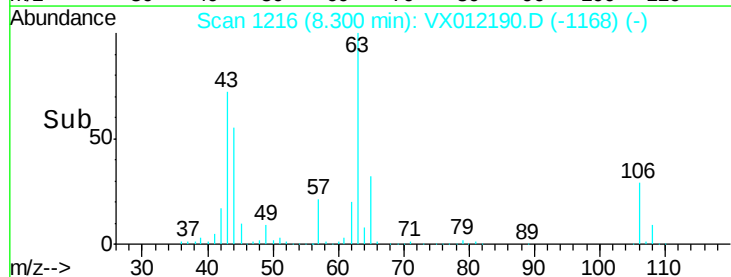
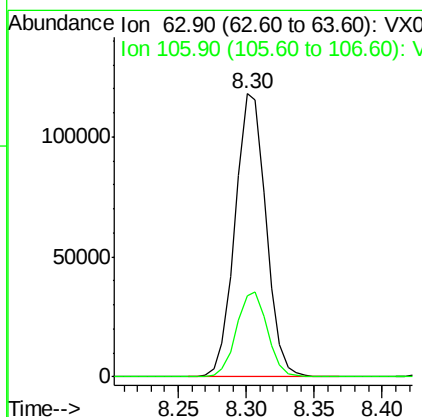
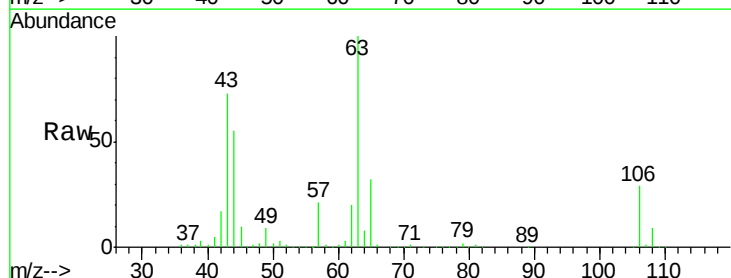
Manual Integrations
 APPROVED

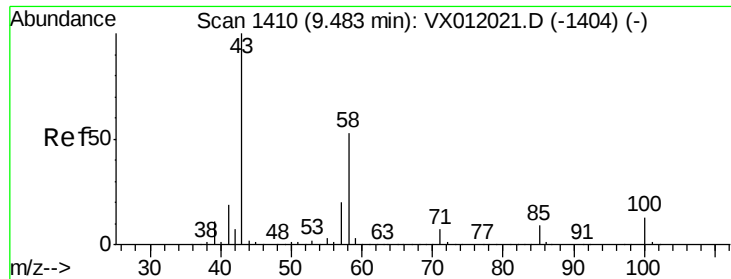
MMDadoda
 9/9/2019 9:19:10 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.401 ug/l
 RT: 8.30 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VX012190.D
 Acq: 07 Sep 2019 21:48

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.2	26.5	39.7





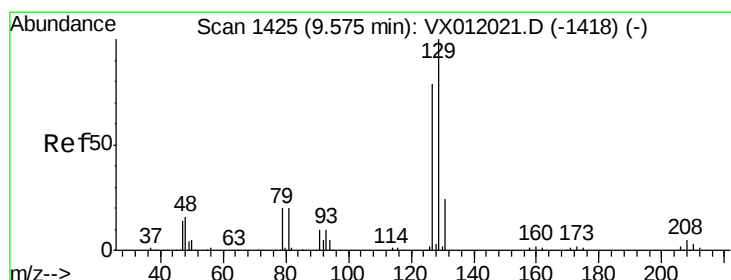
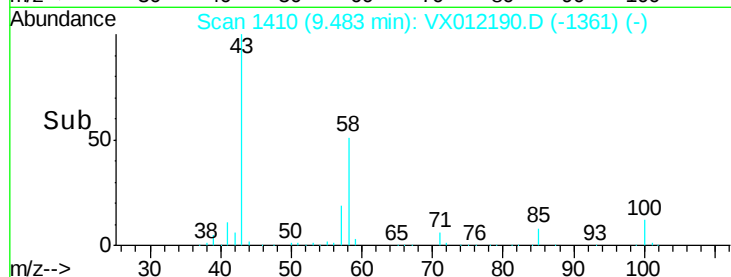
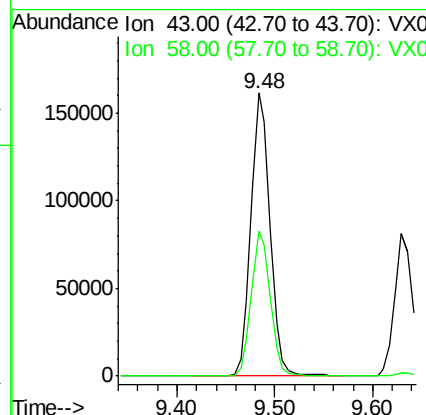
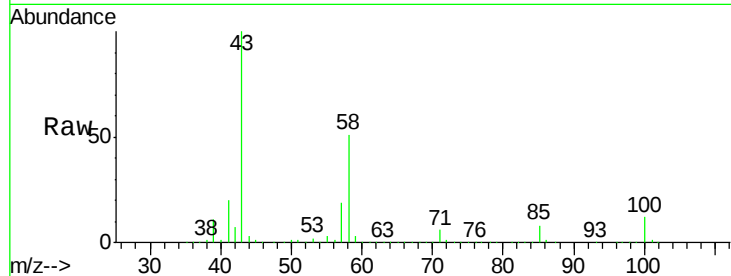
#59
2-Hexanone
Concen: 277.186 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	219190
Ion Ratio	100	Lower	Upper
58	51.3	27.2	81.6

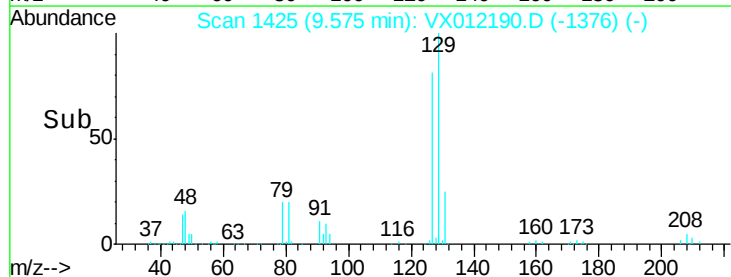
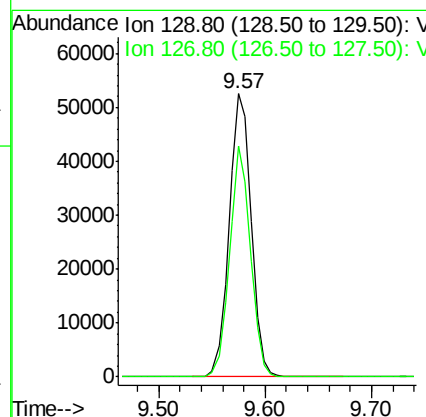
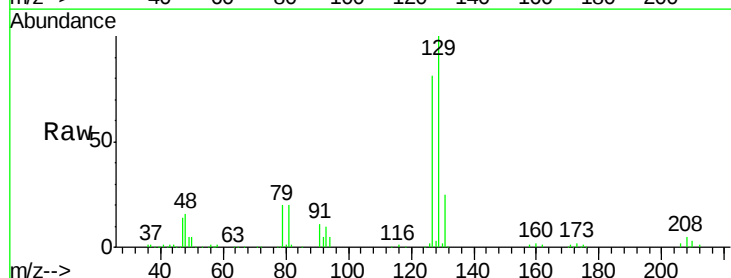
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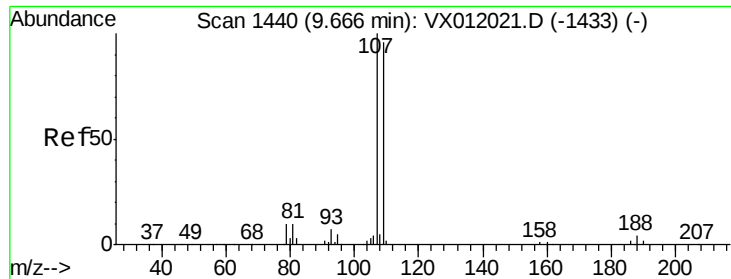
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#60
Dibromochloromethane
Concen: 53.555 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Tgt Ion	129	Resp	76135
Ion Ratio	100	Lower	Upper
127	77.2	38.1	114.5





#61

1,2-Dibromoethane

Concen: 54.648 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 62988

Ion Ratio Lower Upper

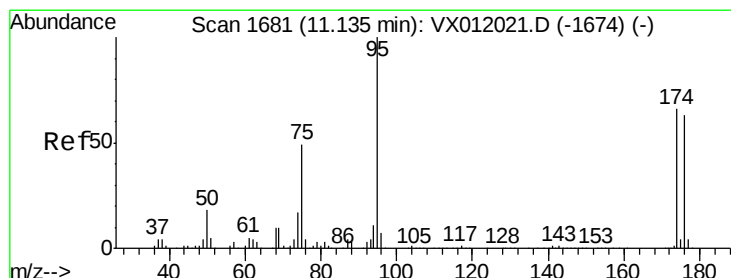
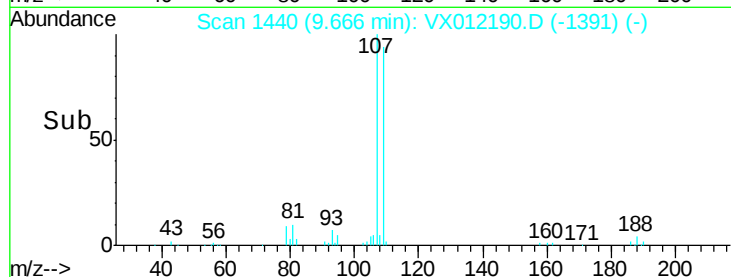
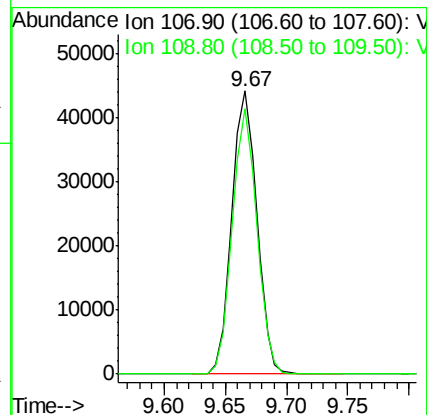
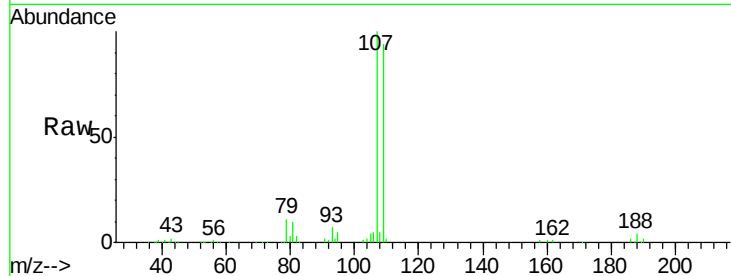
107 100

109 92.1 76.9 115.3

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#62

4-Bromofluorobenzene

Concen: 51.648 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

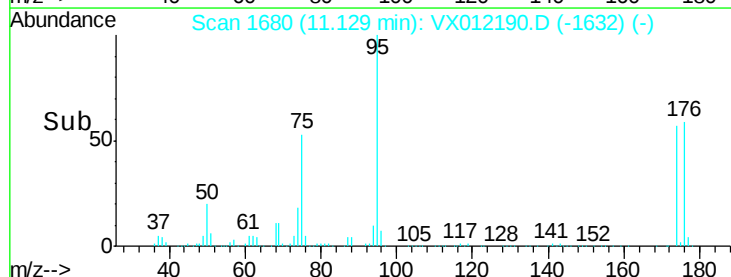
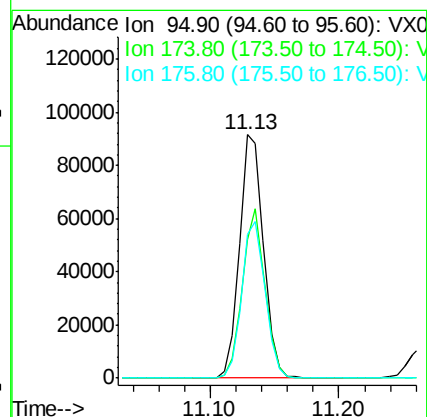
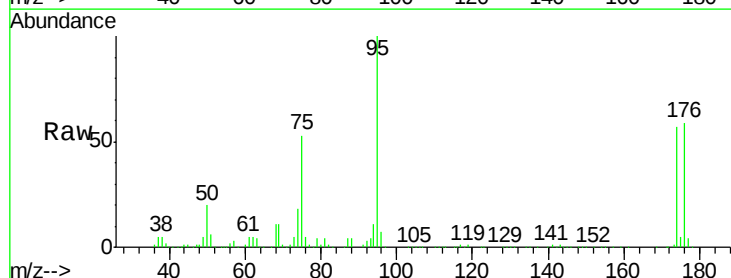
Tgt Ion: 95 Resp: 118589

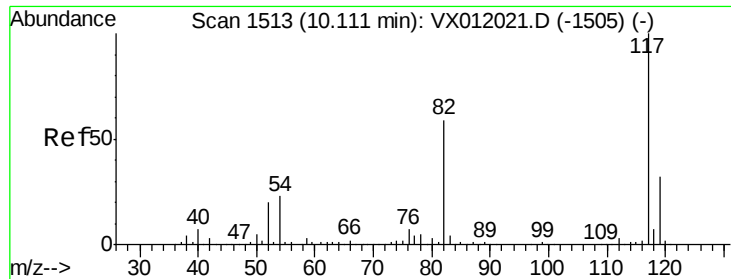
Ion Ratio Lower Upper

95 100

174 65.4 0.0 205.4

176 63.2 0.0 201.8





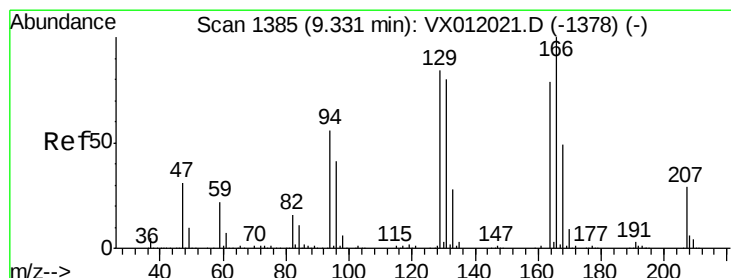
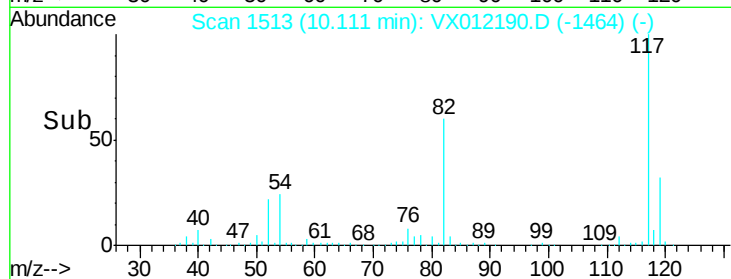
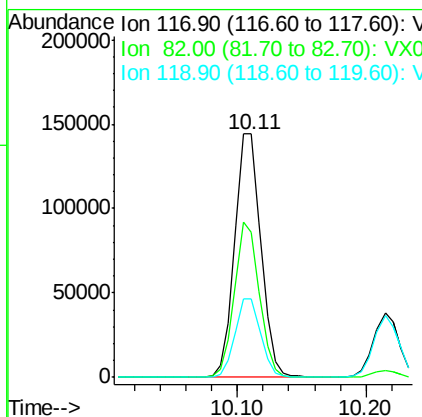
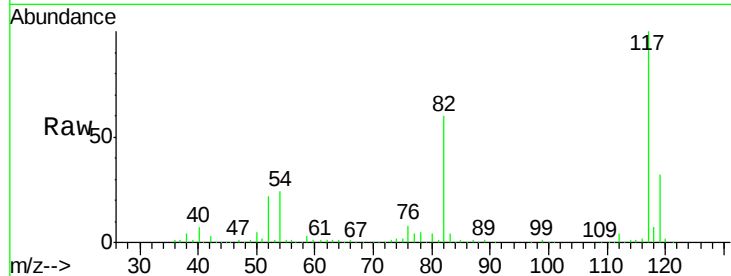
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	205588		
82	59.8	39.4	59.0#	
119	32.2	26.1	39.1	

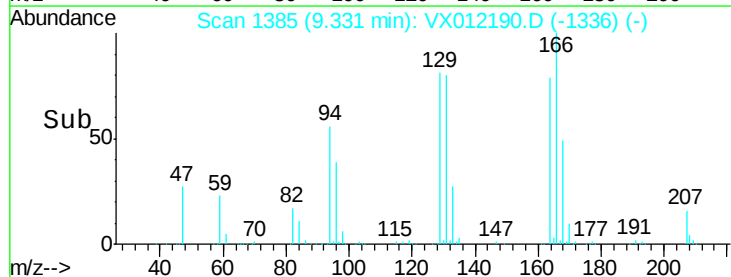
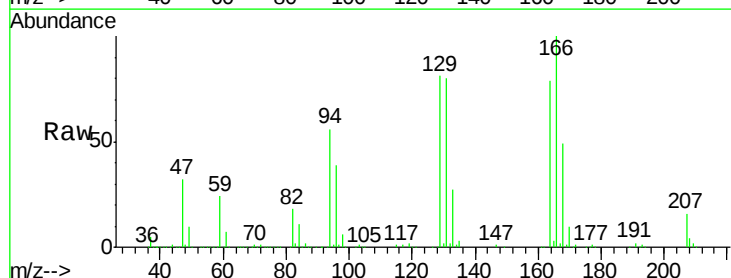
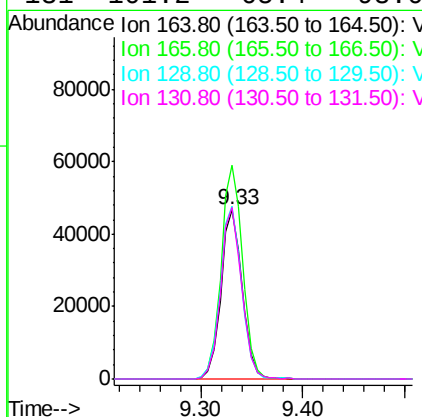
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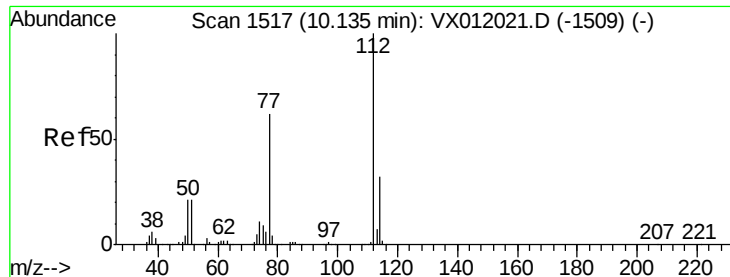
MMDadoda
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#64
Tetrachloroethene
Concen: 52.672 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	67511		
166	126.1	104.3	156.5	
129	101.9	68.3	102.5	
131	101.2	65.4	98.0#	





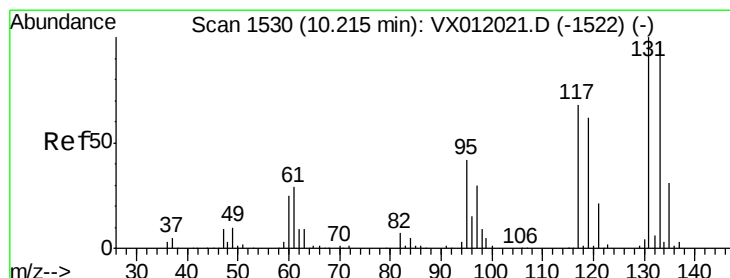
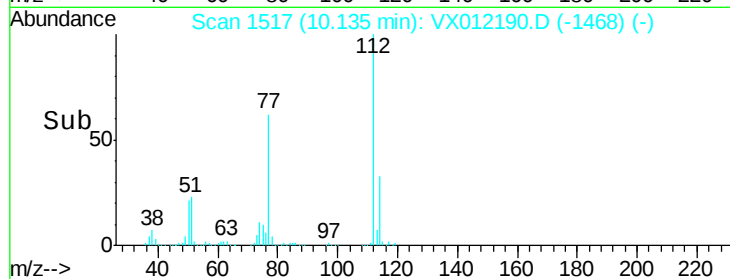
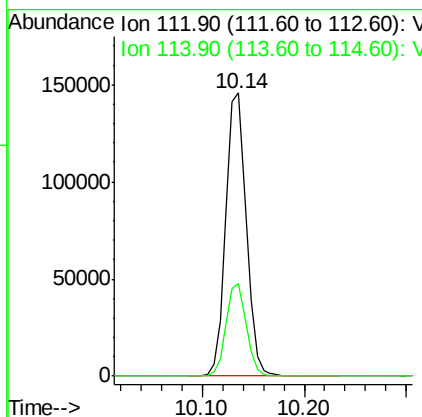
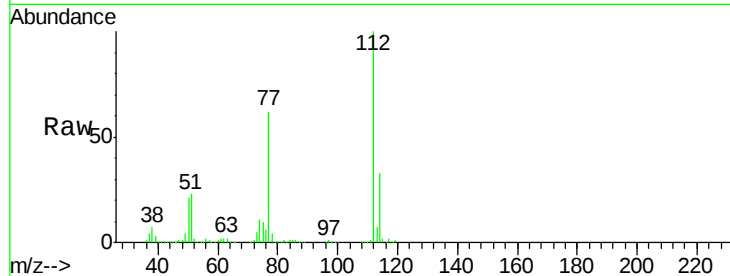
#65
Chlorobenzene
Concen: 49.970 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.9	26.2	39.2

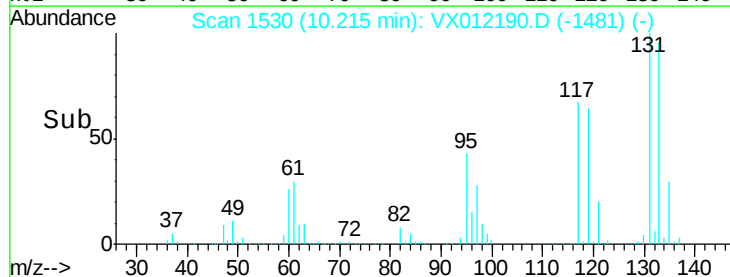
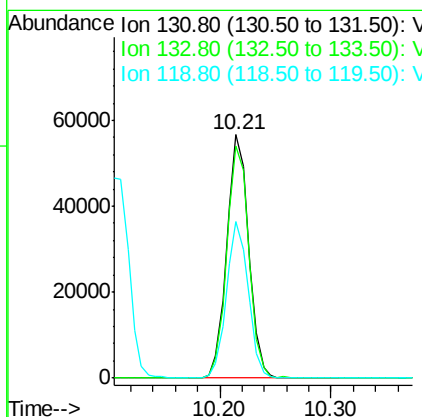
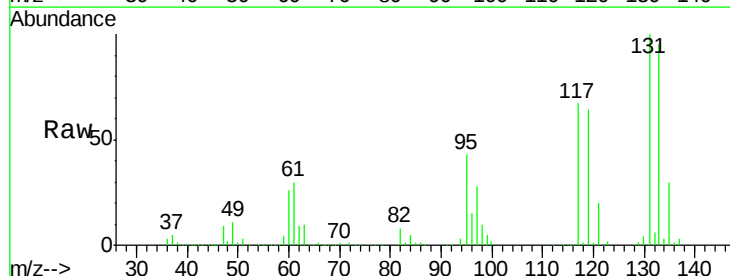
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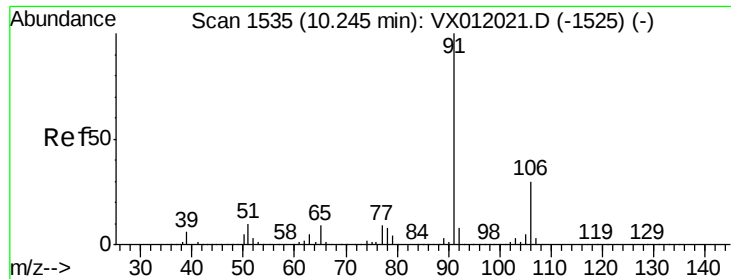
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.002 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.4	145.0
119	64.0	30.5	91.5





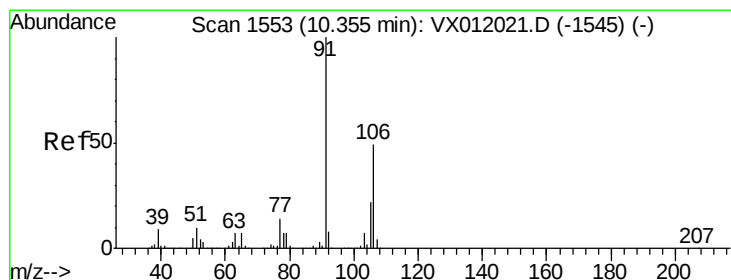
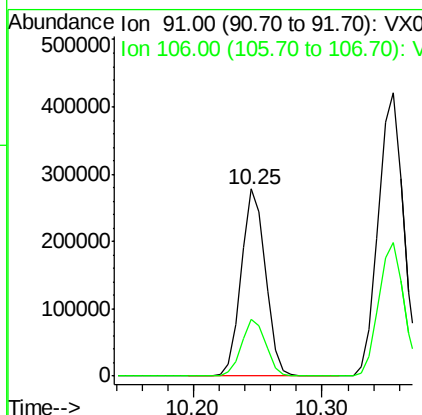
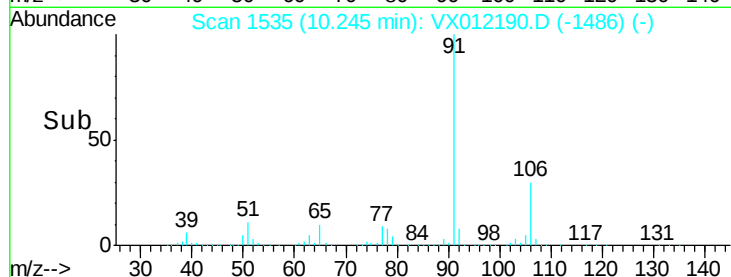
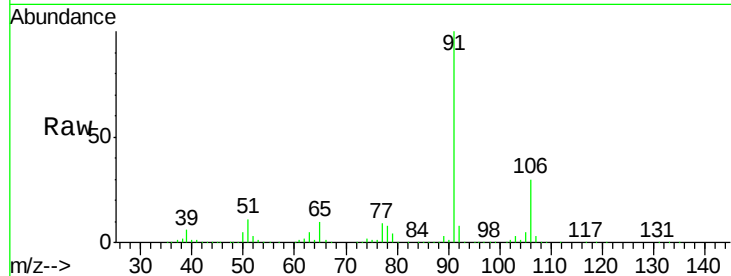
#67
Ethyl Benzene
Concen: 49.185 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 363677
Ion Ratio Lower Upper
91 100
106 30.5 25.8 38.8

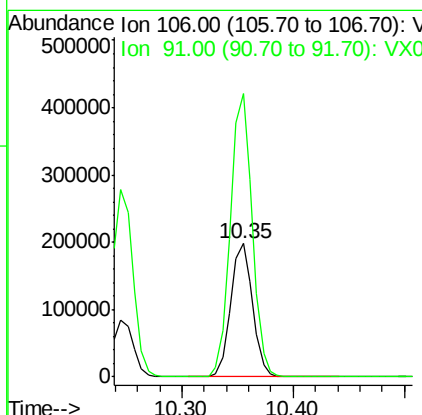
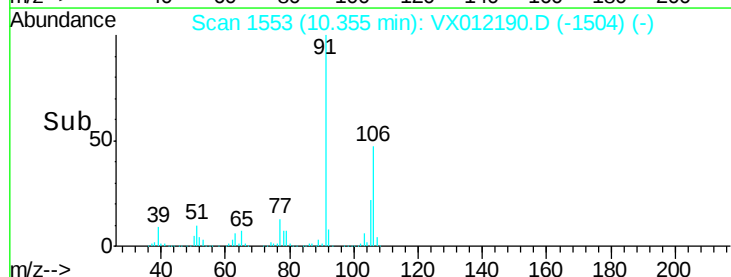
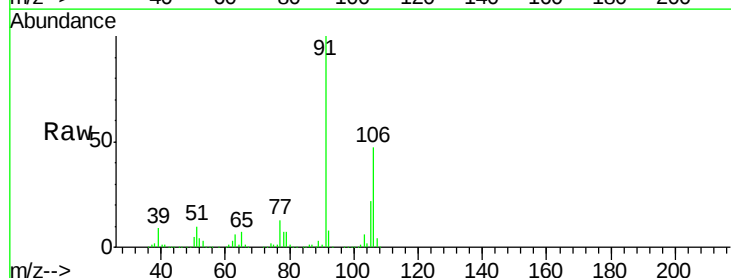
Manual Integrations
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#68
m/p-Xylenes
Concen: 98.450 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Tgt Ion: 106 Resp: 268202
Ion Ratio Lower Upper
106 100
91 211.3 157.5 236.3





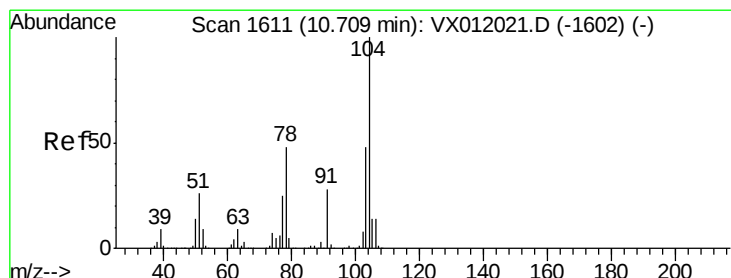
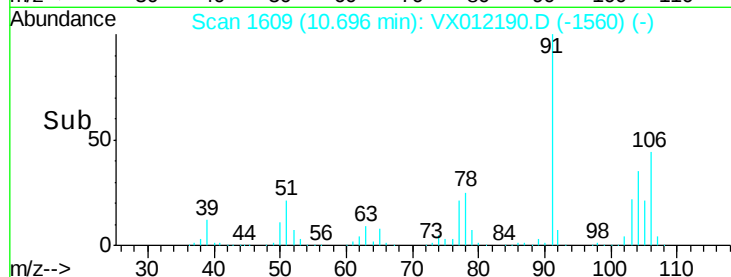
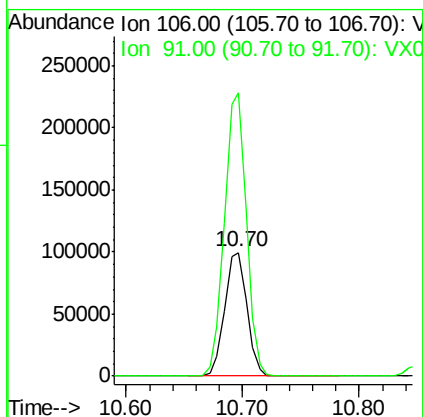
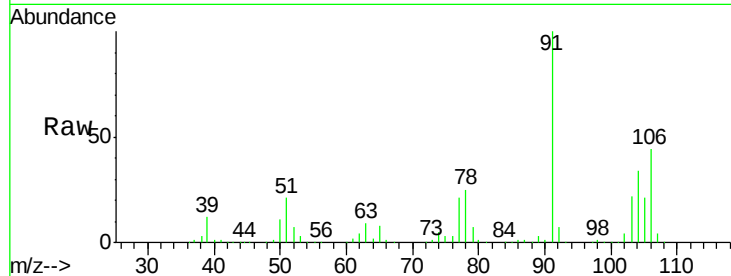
#69
o-Xylene
Concen: 49.854 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 131698
Ion Ratio Lower Upper
106 100
91 225.7 103.5 310.3

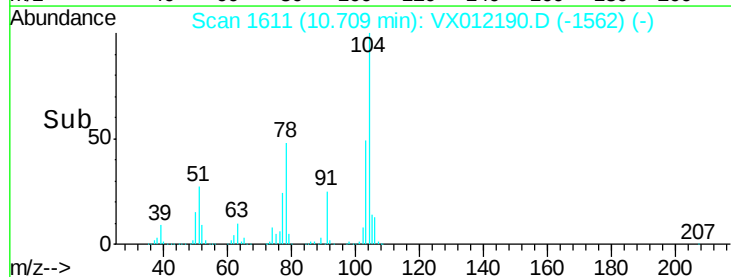
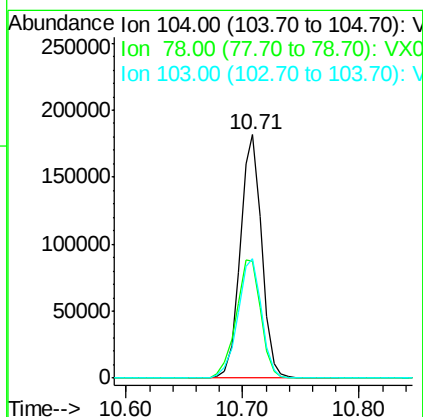
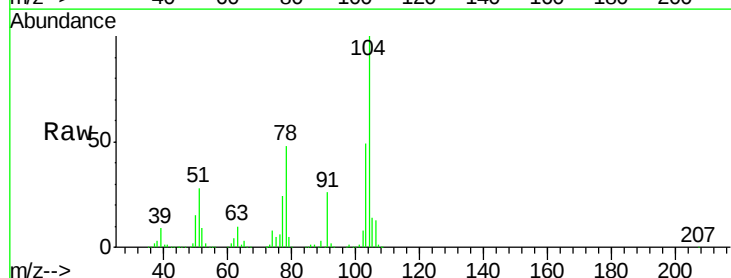
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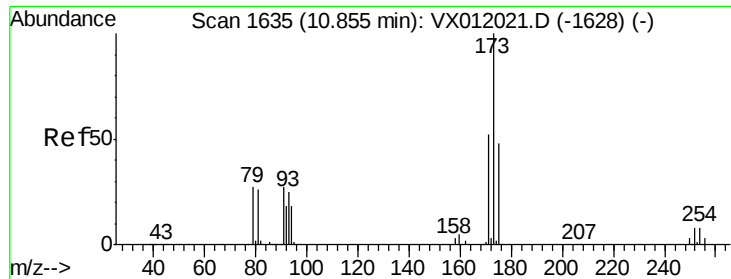
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#70
Styrene
Concen: 50.614 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Tgt Ion:104 Resp: 232235
Ion Ratio Lower Upper
104 100
78 56.4 39.1 58.7
103 54.2 43.4 65.2





#71

Bromoform

Concen: 51.303 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

Instrument :

MSVOA_X

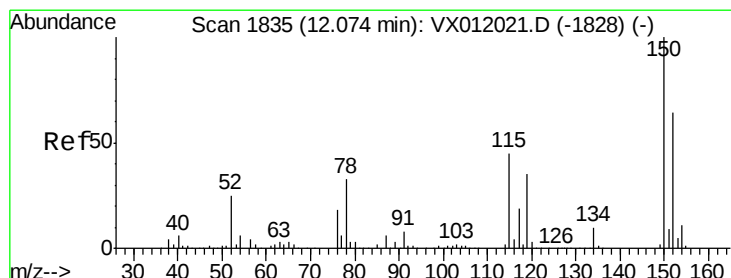
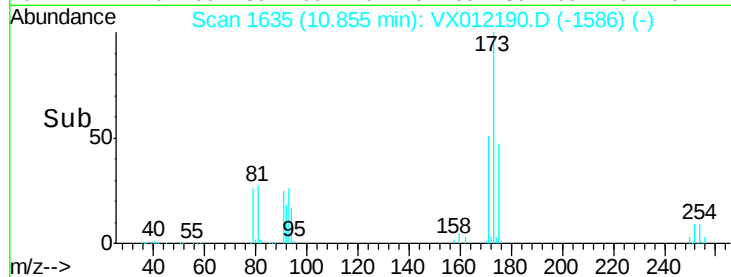
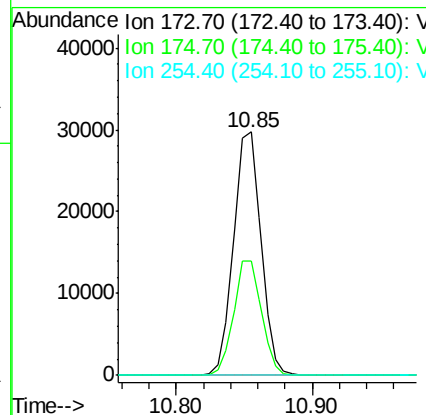
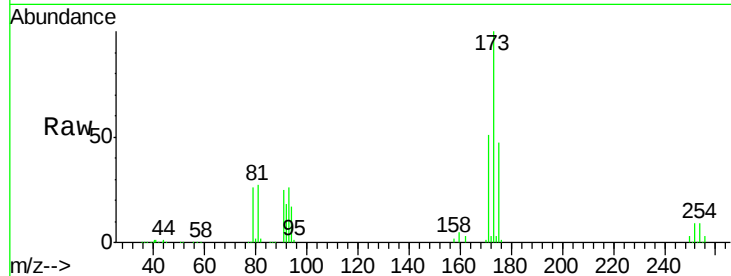
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	41794
Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.9	74.7
254	0.1	0.1	0.1

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

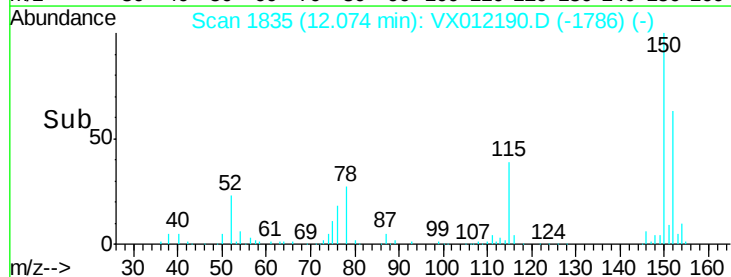
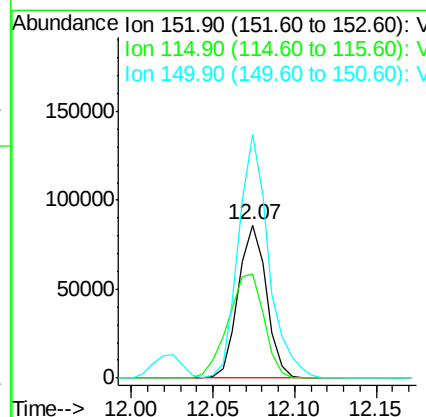
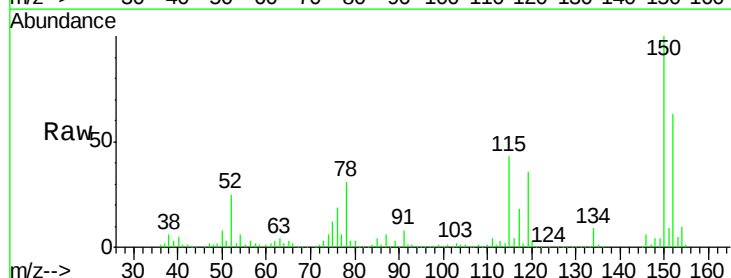
RT: 12.07 min Scan# 1835

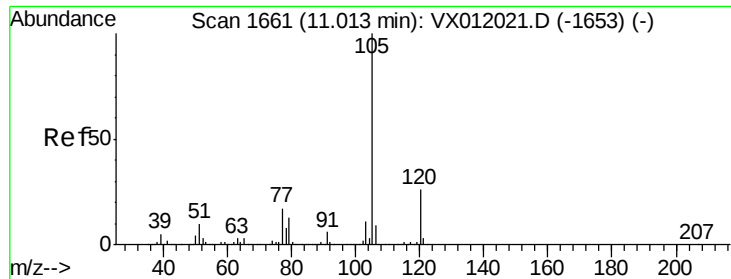
Delta R.T. -0.00 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

Tgt Ion:	152	Resp:	103531
Ion	Ratio	Lower	Upper
152	100		
115	87.1	36.4	109.3
150	170.6	0.0	341.2





#73

Isopropylbenzene

Concen: 46.203 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 350970

Ion Ratio Lower Upper

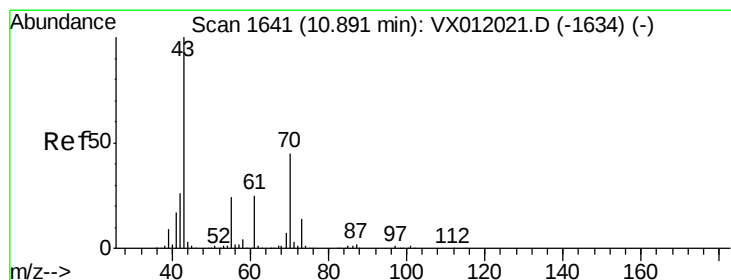
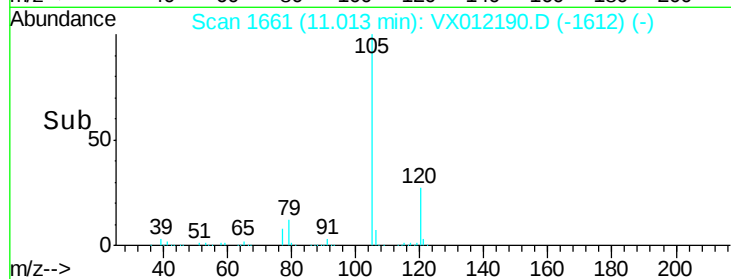
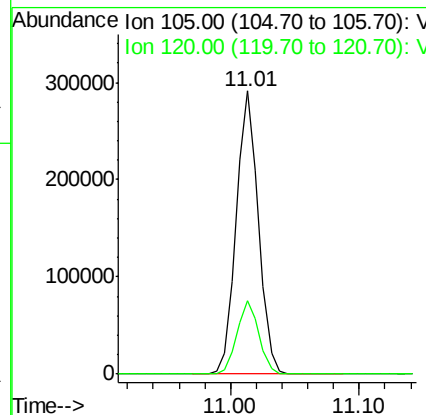
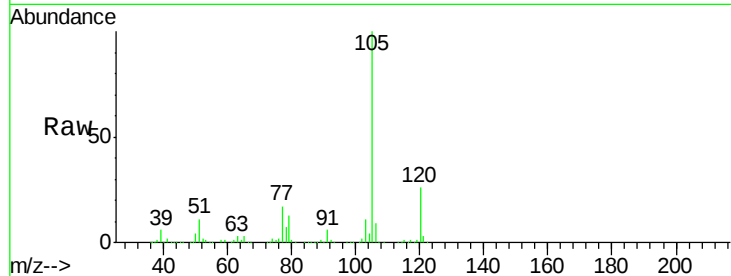
105 100

120 25.7 13.9 41.6

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#74

N-ethyl acetate

Concen: 50.550 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

Tgt Ion: 43 Resp: 113532

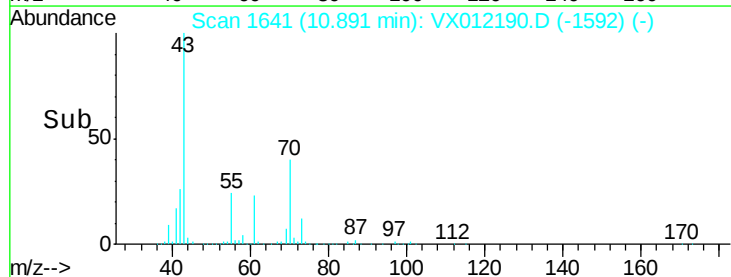
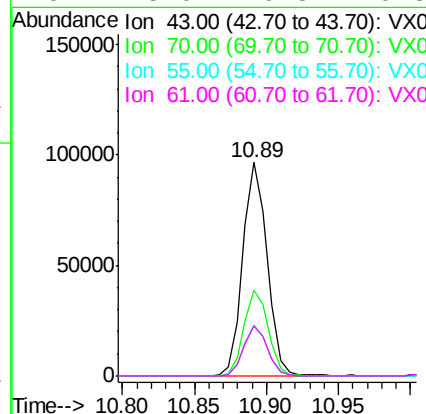
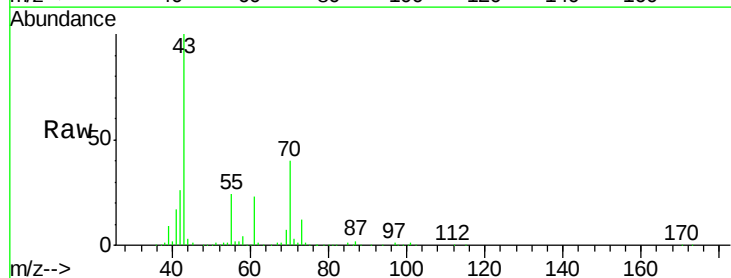
Ion Ratio Lower Upper

43 100

70 40.7 34.4 51.6

55 24.2 18.5 27.7

61 23.0 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 49.592 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

Instrument :

MSVOA_X

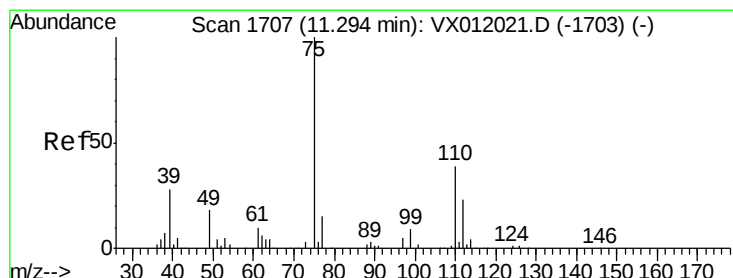
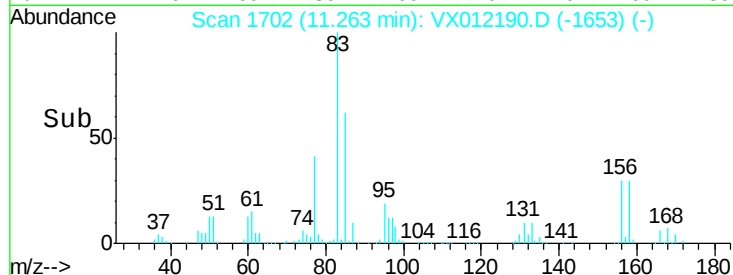
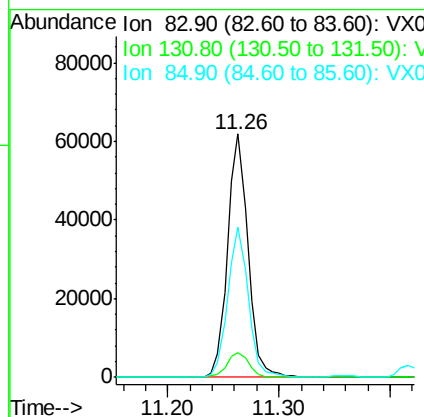
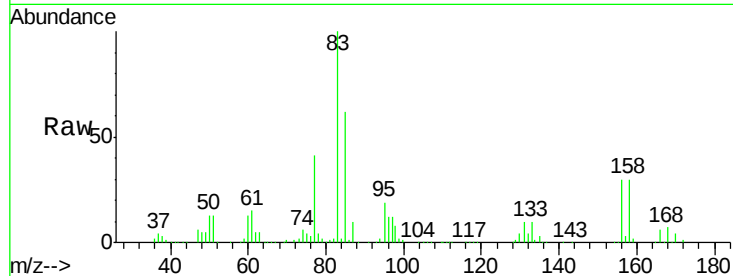
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	78534
Ion	Ratio	Lower	Upper
83	100		
131	10.9	6.3	19.1
85	62.3	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 56.718 ug/l m

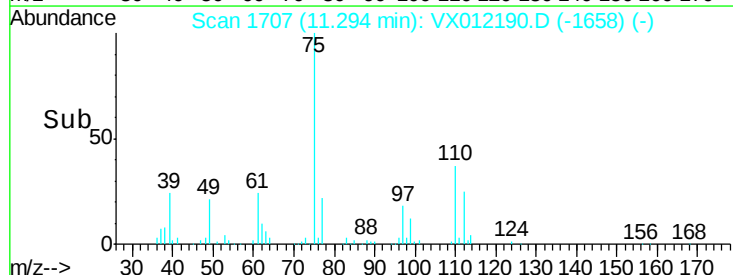
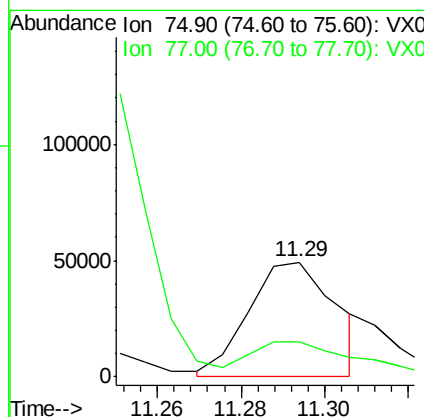
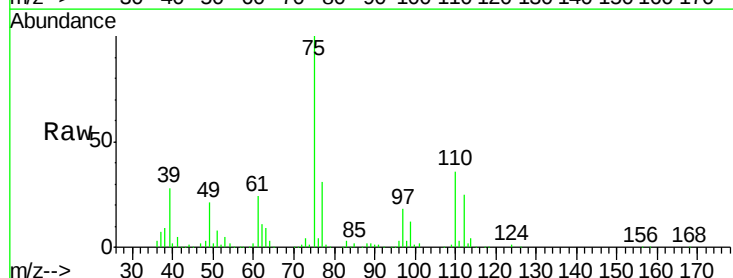
RT: 11.29 min Scan# 1707

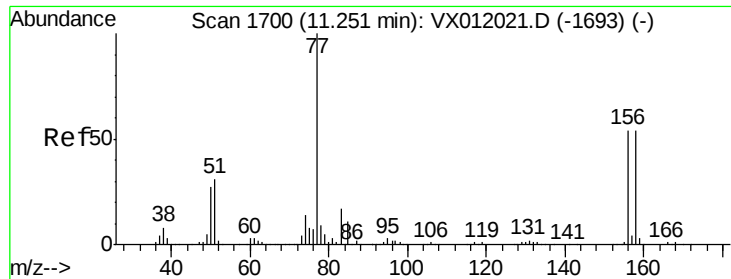
Delta R.T. -0.00 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

Tgt Ion:	75	Resp:	71748
Ion	Ratio	Lower	Upper
75	100		
77	37.8	23.5	70.5





#77

Bromobenzene

Concen: 49.214 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

Instrument :

MSVOA_X

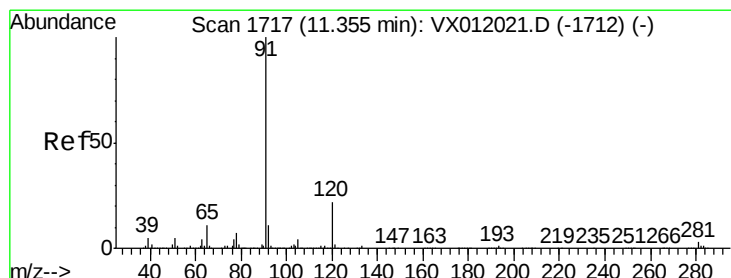
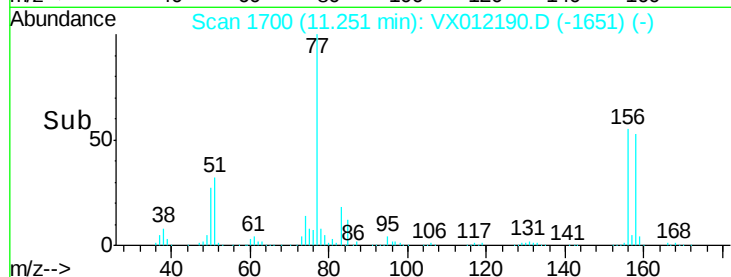
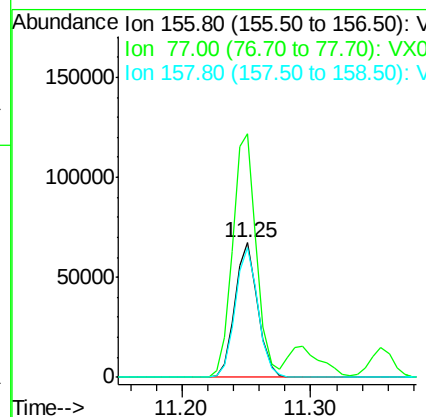
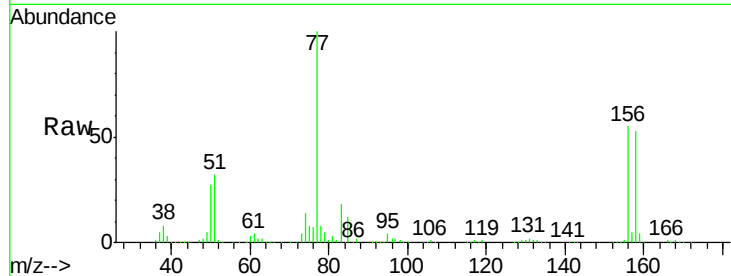
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	188.8	63.4	190.2
158	96.6	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 45.180 ug/l

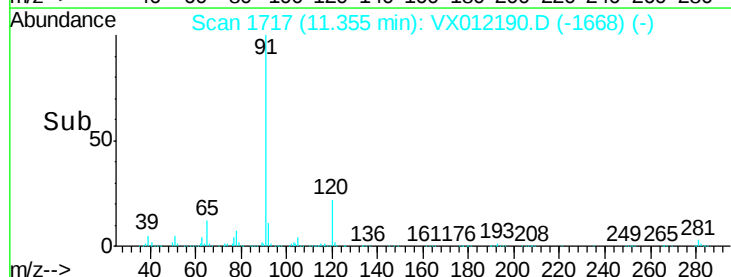
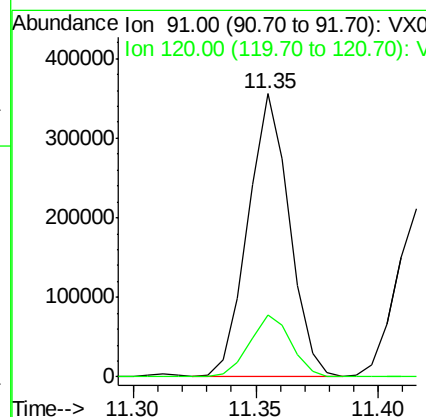
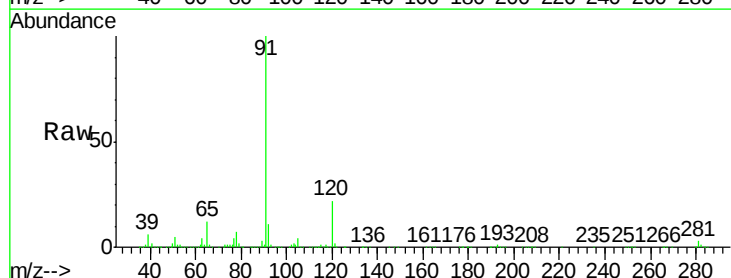
RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	12.7	38.0





#79

2-Chlorotoluene

Concen: 46.595 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 259058

Ion Ratio Lower Upper

91 100

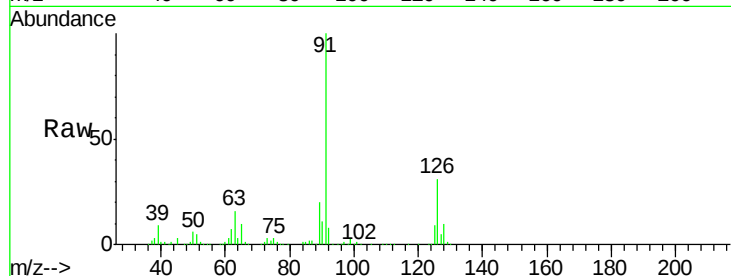
126 31.7 18.6 55.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX012021.D (-1722) (-)

Ion 125.90 (125.60 to 126.60): VX012021.D (-1722) (-)

400000

300000

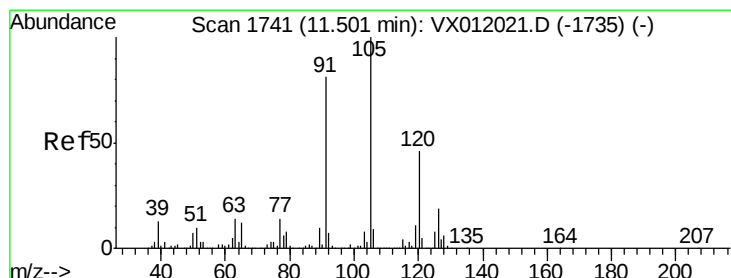
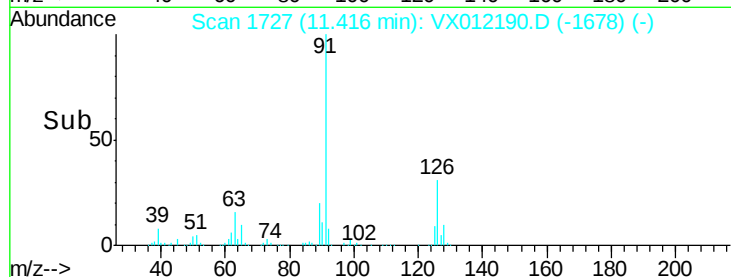
200000

100000

0

11.35 11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 47.571 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012190.D

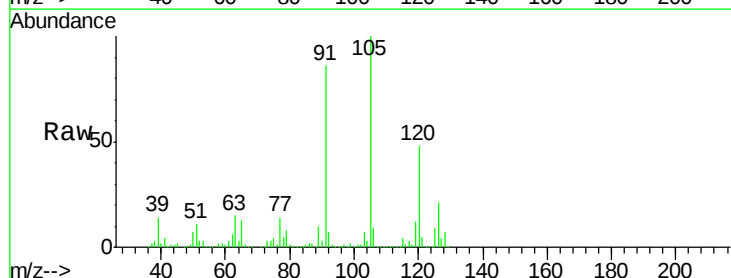
Acq: 07 Sep 2019 21:48

Tgt Ion: 105 Resp: 316674

Ion Ratio Lower Upper

105 100

120 46.9 25.8 77.3



Abundance Ion 105.00 (104.70 to 105.70): VX012021.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX012021.D (-1735) (-)

300000

250000

200000

150000

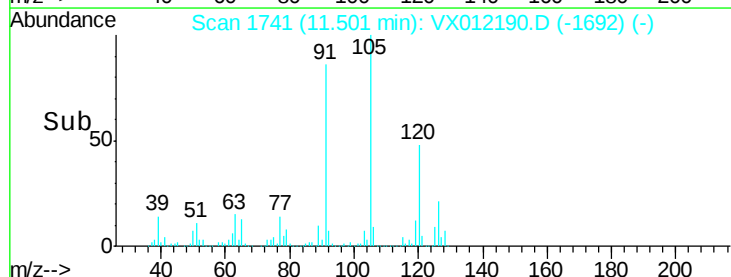
100000

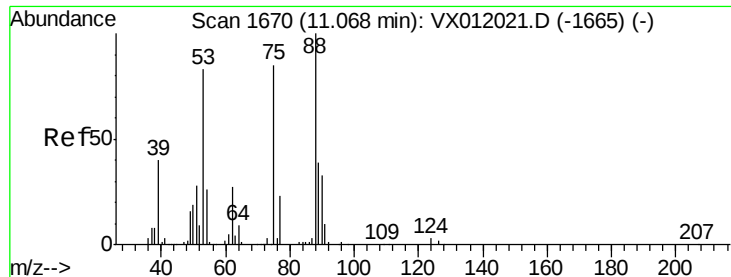
50000

0

11.50 11.60

Time-->





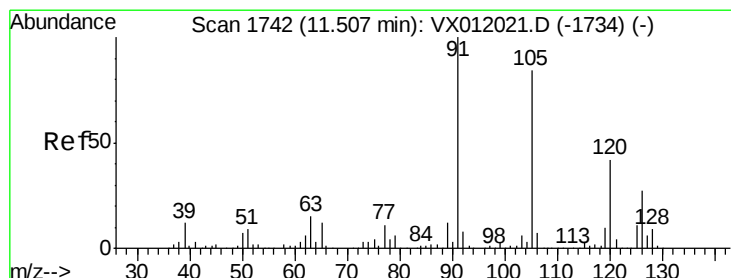
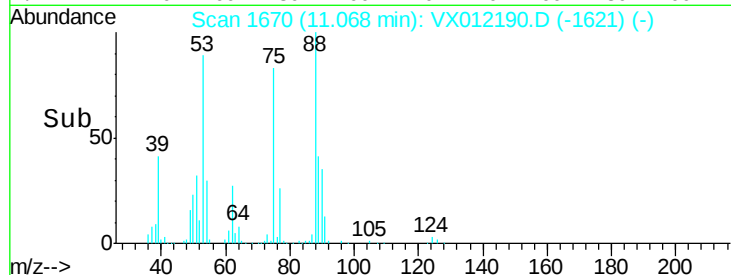
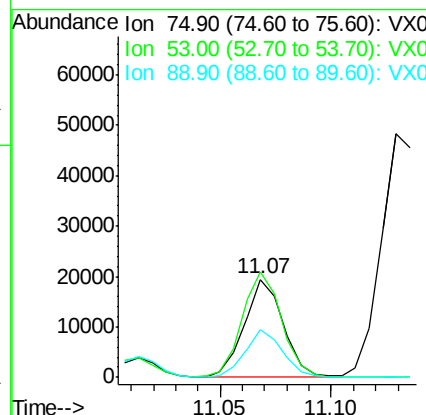
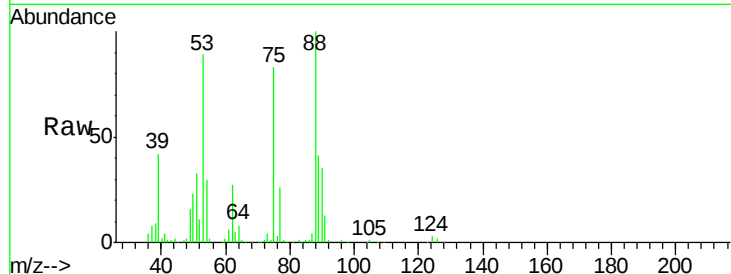
#81
trans-1,4-Dichloro-2-butene
Concen: 44.033 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.4	78.6	117.8
89	47.4	38.8	58.2

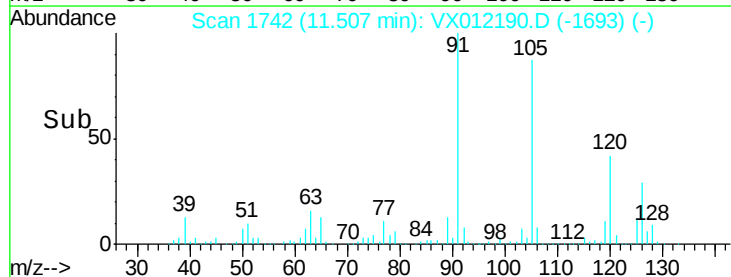
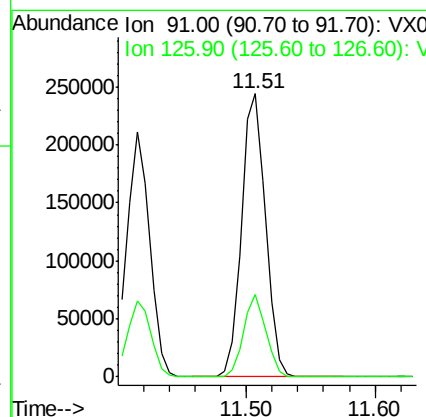
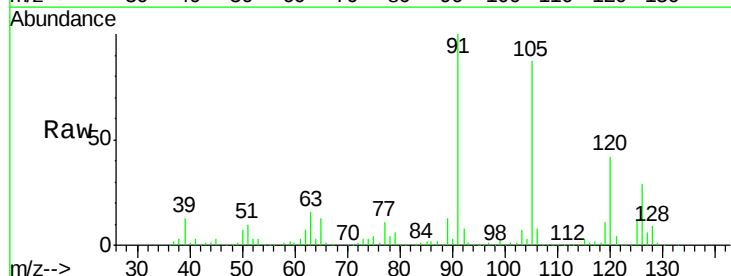
Manual Integrations
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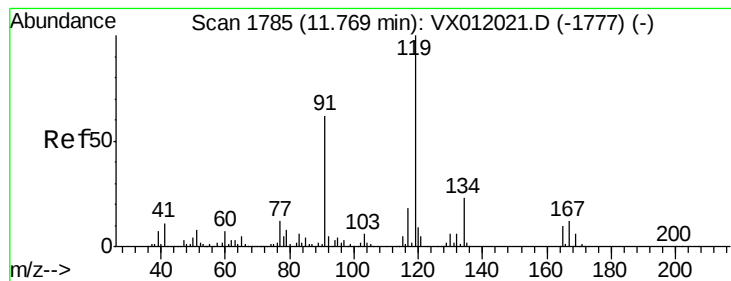
MMDadoda
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#82
4-Chlorotoluene
Concen: 47.415 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.3	16.2	48.6





#83

tert-Butylbenzene

Concen: 46.735 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

Instrument :

MSVOA_X

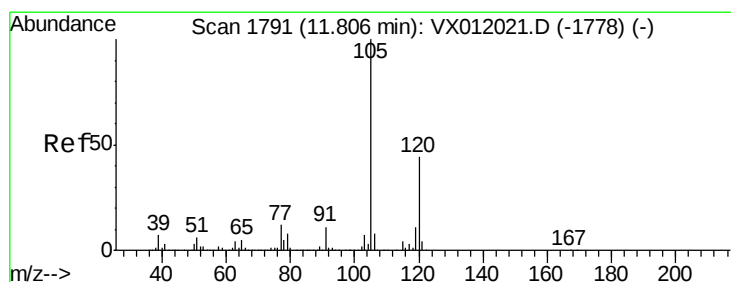
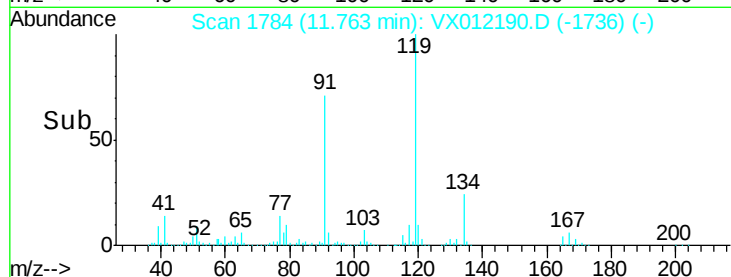
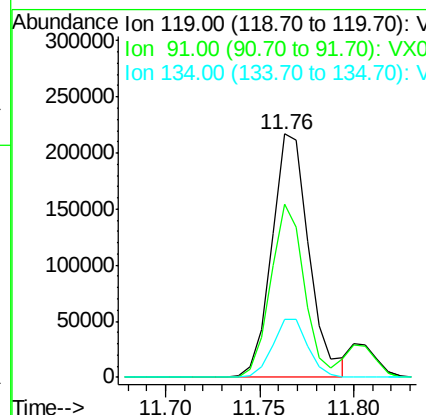
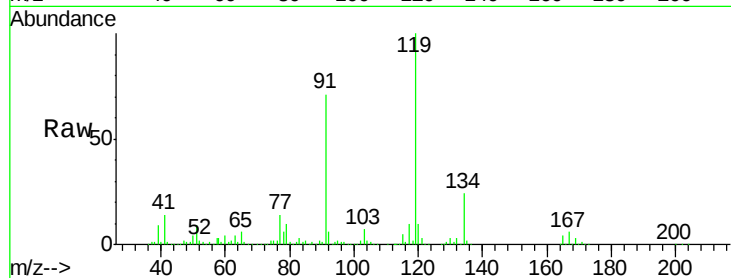
ClientSampled :

VSTDCCC050

Tot Ion:	119	Resp:	296524
Ion Ratio	Lower	Upper	
119	100		
91	64.2	27.1	81.2
134	22.6	12.1	36.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 47.558 ug/l

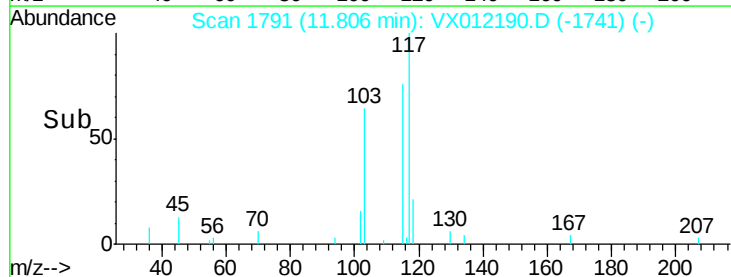
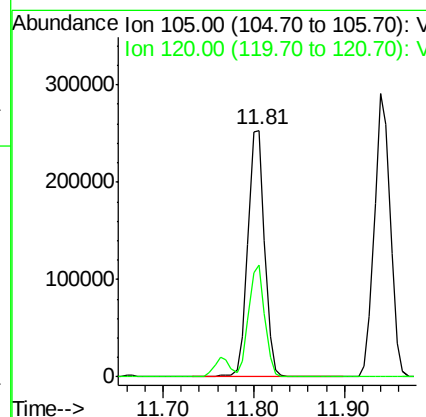
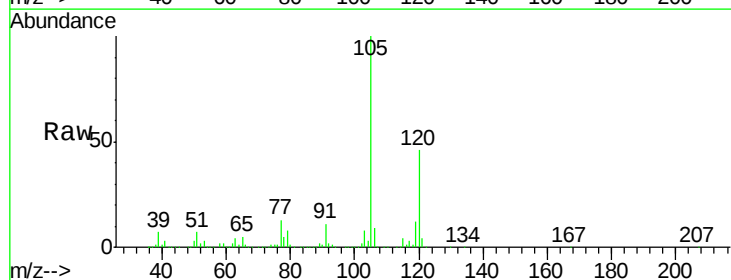
RT: 11.81 min Scan# 1791

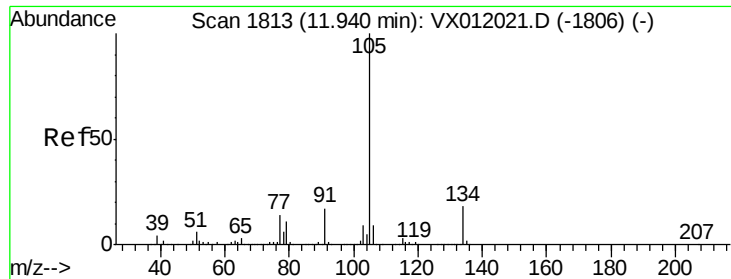
Delta R.T. 0.01 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

Tgt Ion:	105	Resp:	325386
Ion Ratio	Lower	Upper	
105	100		
120	43.5	23.6	70.8





#85

sec-Butylbenzene

Concen: 45.150 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 355818

Ion Ratio Lower Upper

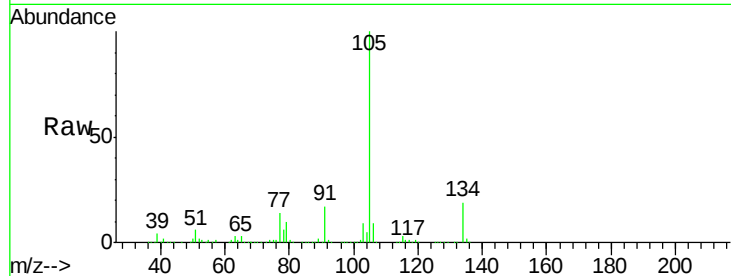
105 100

134 19.3 11.2 33.6

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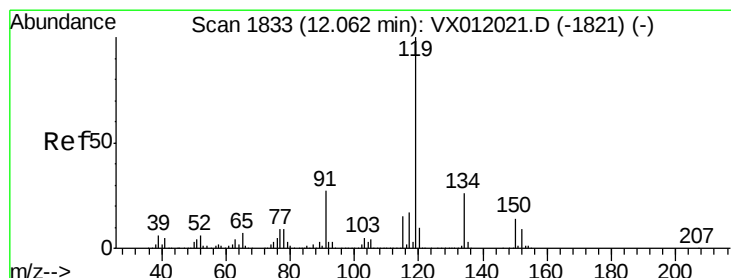
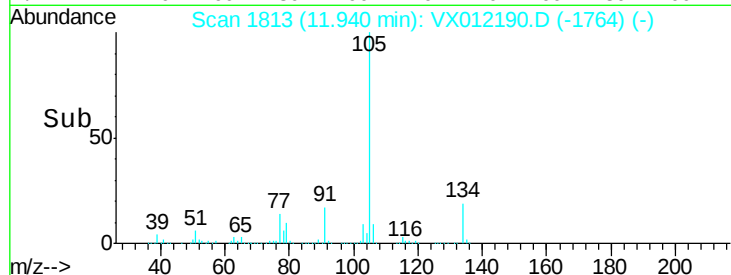
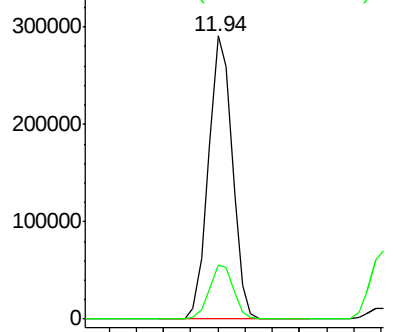
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 44.915 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012190.D

Acq: 07 Sep 2019 21:48

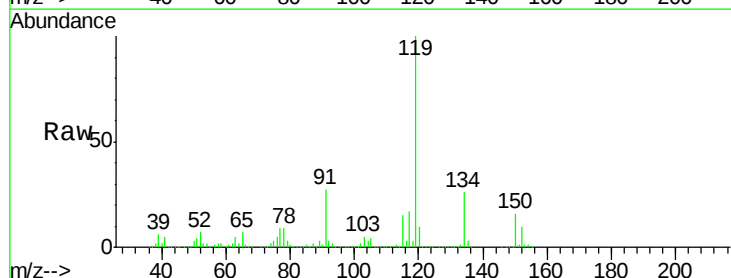
Tgt Ion:119 Resp: 321909

Ion Ratio Lower Upper

119 100

134 25.6 13.7 41.1

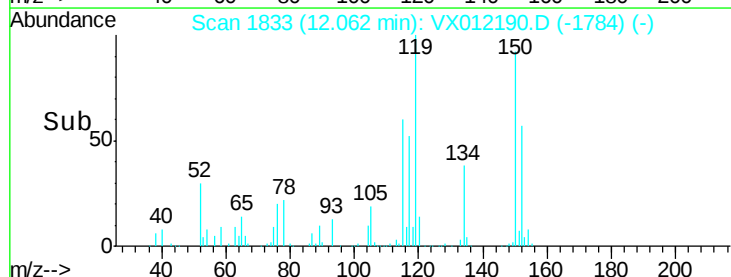
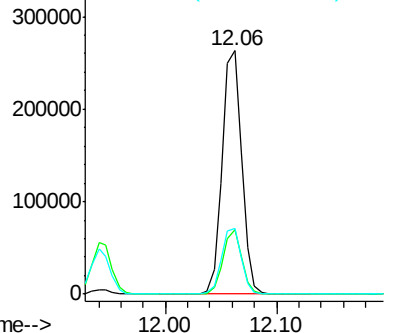
91 27.1 11.4 34.1

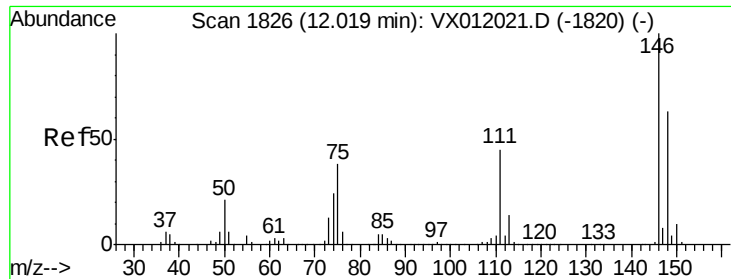


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





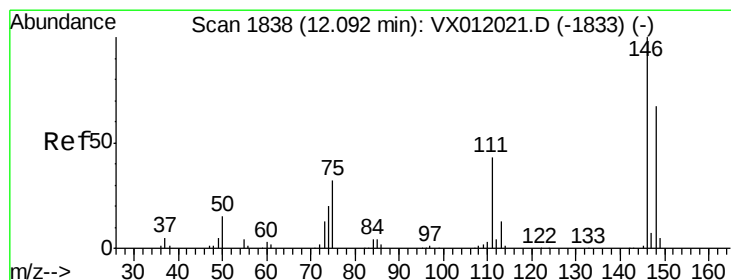
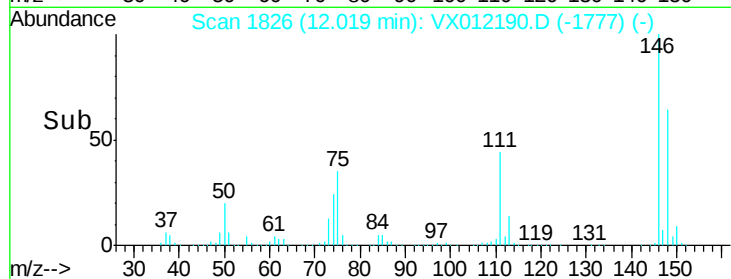
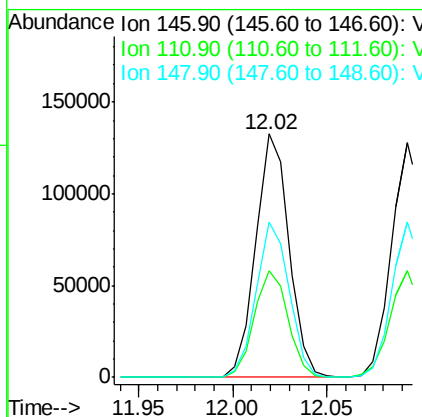
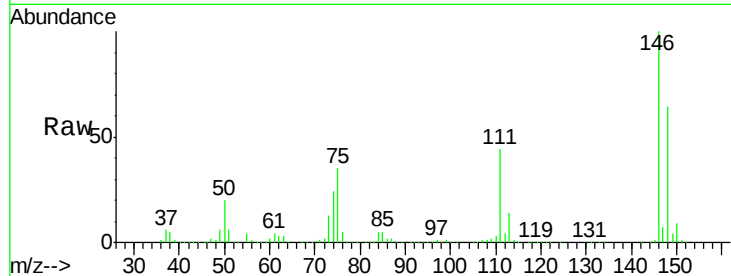
#87
 1,3-Dichlorobenzene
 Concen: 47.627 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012190.D
 Acq: 07 Sep 2019 21:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	18.1	54.1
148	63.7	32.6	97.8

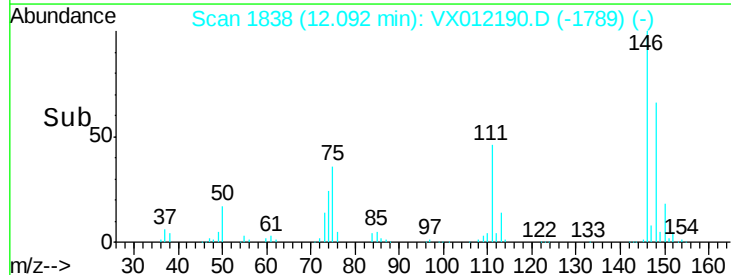
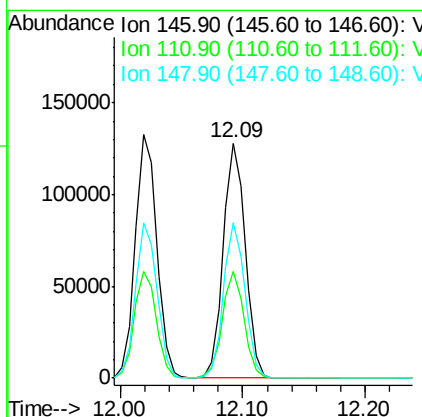
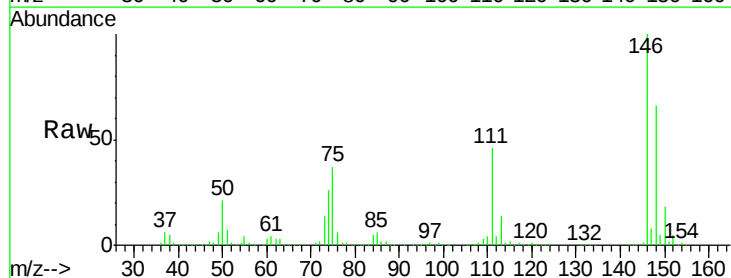
Manual Integrations
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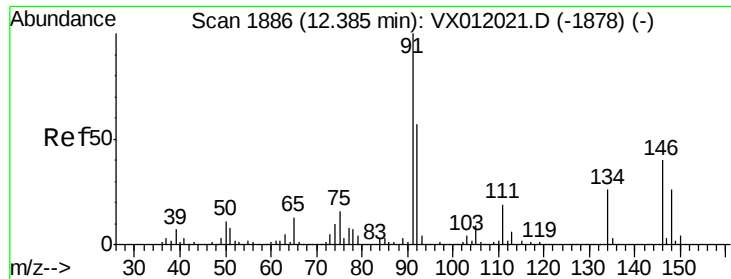
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#88
 1,4-Dichlorobenzene
 Concen: 46.968 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012190.D
 Acq: 07 Sep 2019 21:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.0	17.7	53.1
148	64.6	32.4	97.0





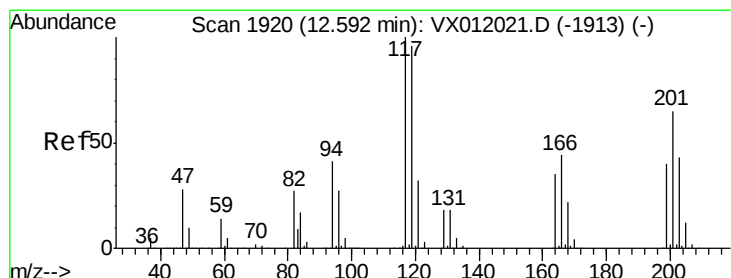
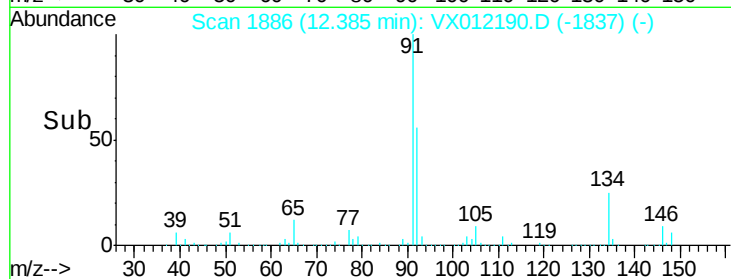
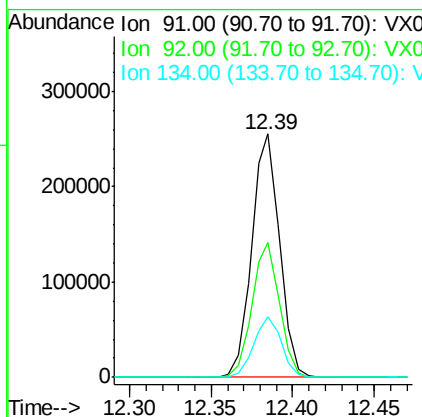
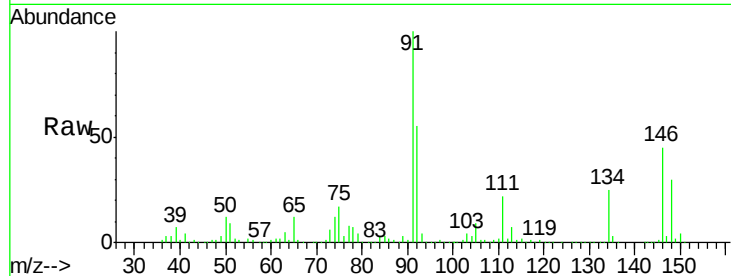
#89
n-Butylbenzene
Concen: 43.581 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	303415		
92	54.6		27.6	82.8
134	24.6		15.4	46.1

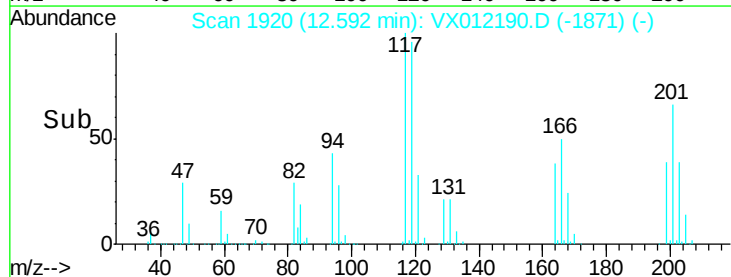
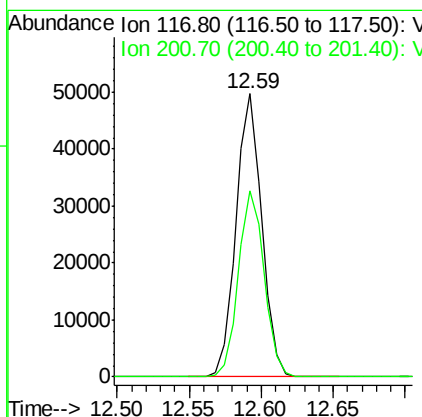
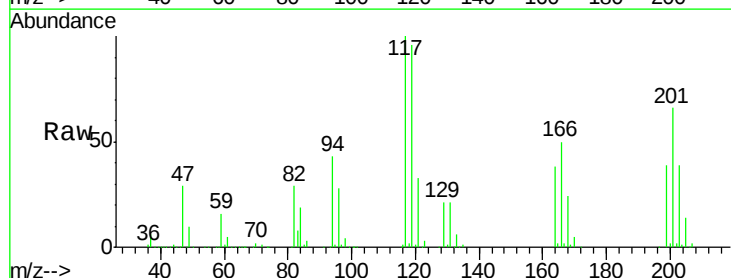
Manual Integrations
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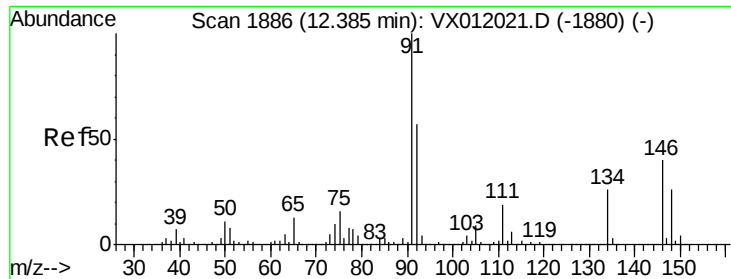
MMDadoda
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#90
Hexachloroethane
Concen: 43.399 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	62105		
201	65.4		55.0	165.2





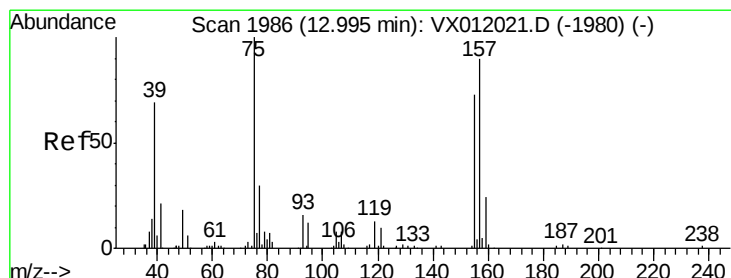
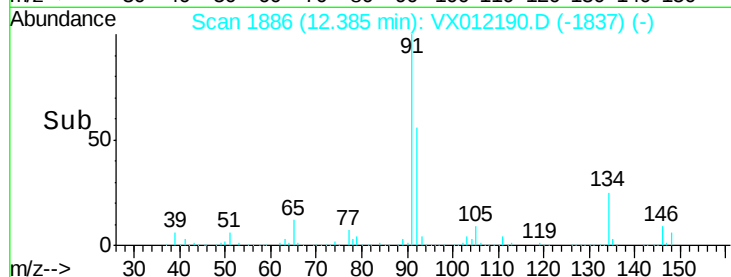
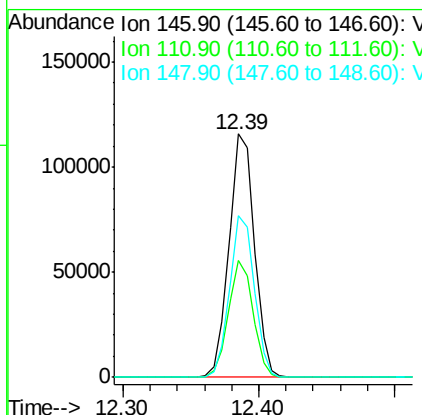
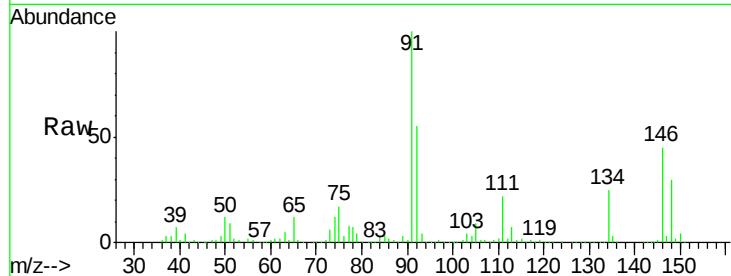
#91
 1,2-Dichlorobenzene
 Concen: 48.999 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012190.D
 Acq: 07 Sep 2019 21:48

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.9	18.6	56.0
148	64.8	32.4	97.2

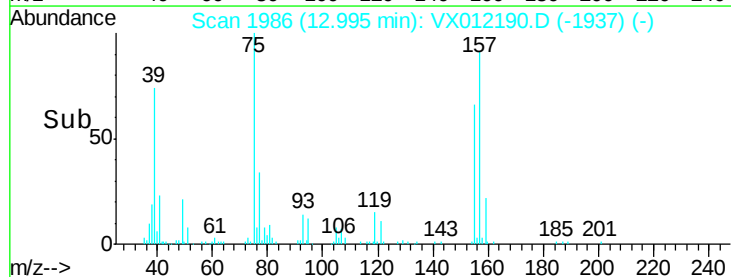
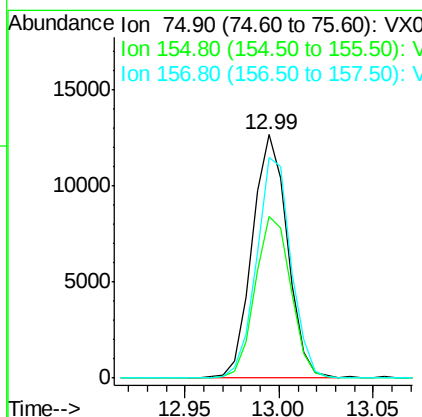
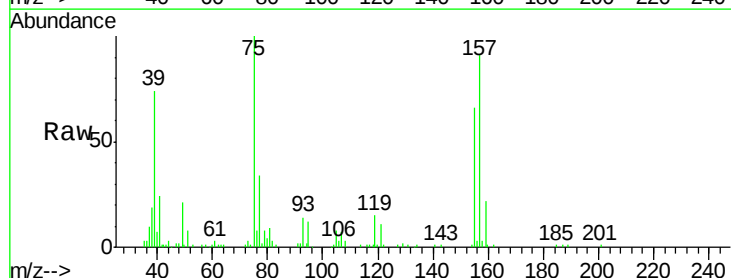
Manual Integrations
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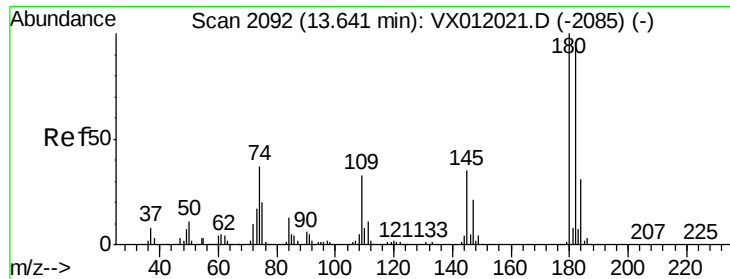
MMDadoda
 9/9/2019 9:19:10 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.365 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012190.D
 Acq: 07 Sep 2019 21:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.4	51.7	155.2
157	89.0	66.9	200.7





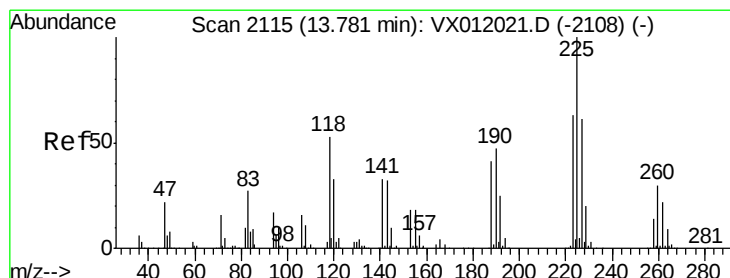
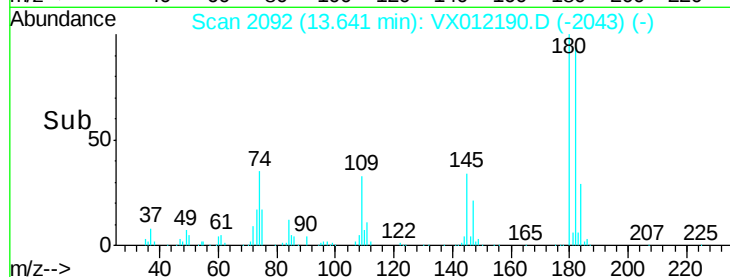
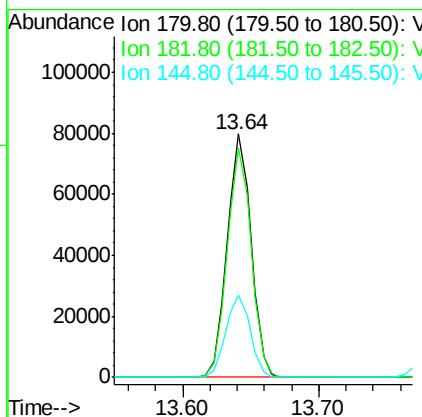
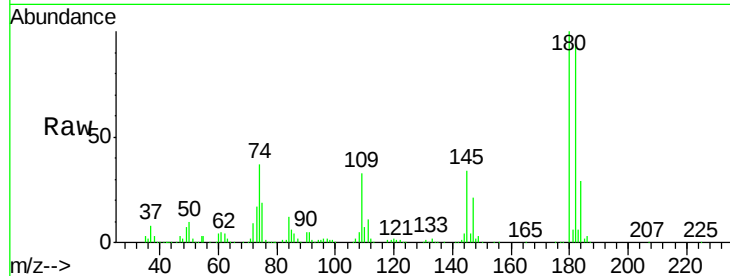
#93
 1,2,4-Trichlorobenzene
 Concen: 44.598 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012190.D
 Acq: 07 Sep 2019 21:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	142.0
145	34.5	13.7	41.0

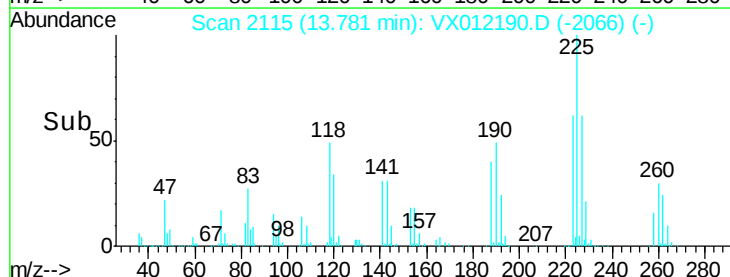
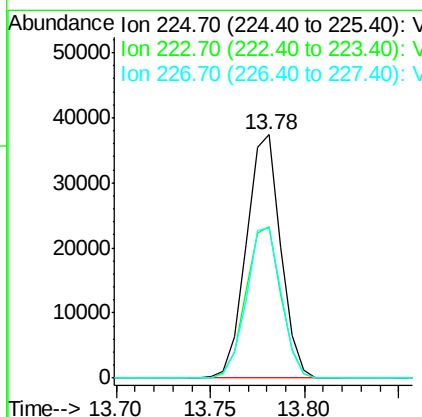
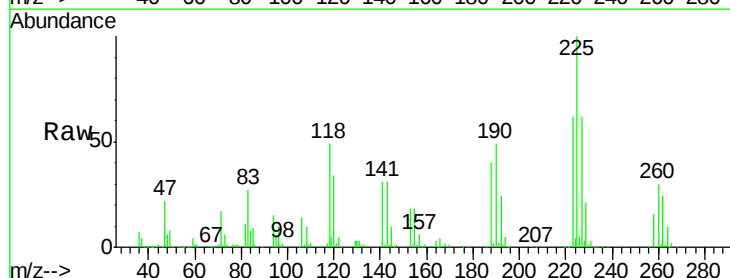
Manual Integrations
 APPROVED

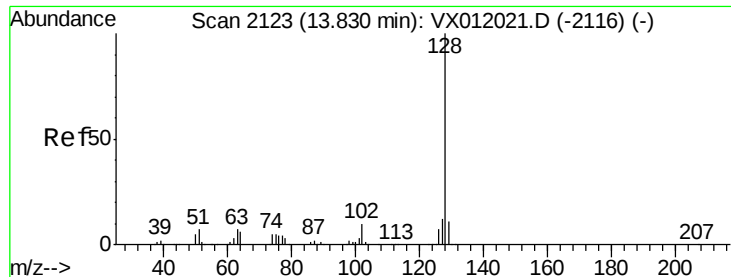
MMDadoda
 9/9/2019 9:19:10 AM



#94
 Hexachlorobutadiene
 Concen: 42.962 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VX012190.D
 Acq: 07 Sep 2019 21:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.6	95.0
227	62.6	32.5	97.5





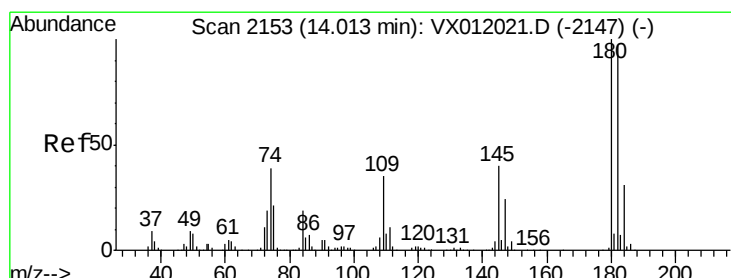
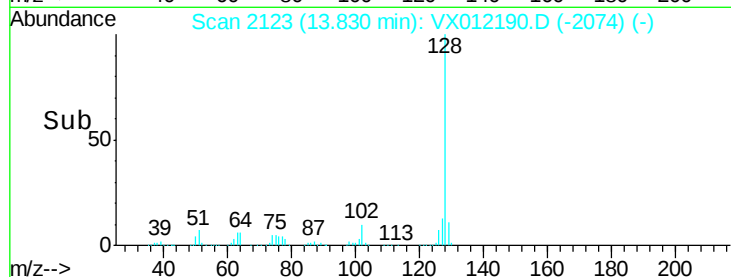
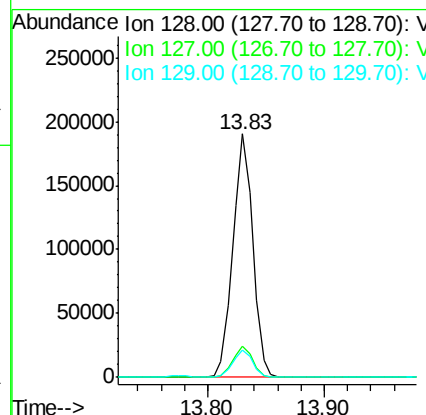
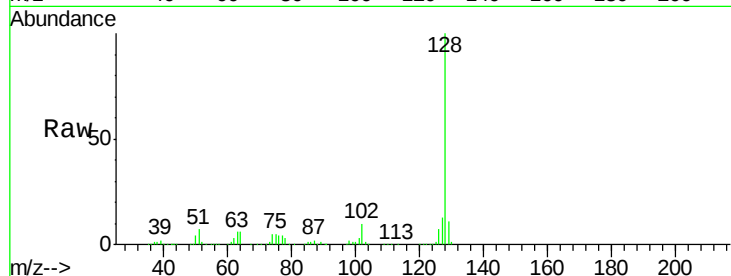
#95
Naphthalene
Concen: 47.916 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/9/2019 9:19:10 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.266 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.01 min
Lab File: VX012190.D
Acq: 07 Sep 2019 21:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.6
145	37.0	14.1	42.4

