

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082119\
 Data File : VX011739.D
 Acq On : 21 Aug 2019 18:38
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/22/2019 10:01:35 AM

Quant Time: Aug 22 04:10:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	327063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	449768	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	419752	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	211809	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	149835	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	5.49	113	138388	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	
50) Toluene-d8	8.71	98	442374	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
62) 4-Bromofluorobenzene	11.13	95	189382	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	182945	56.906	ug/l 99
3) Chloromethane	1.32	50	147145	44.068	ug/l 99
4) Vinyl Chloride	1.40	62	146814	48.674	ug/l 99
5) Bromomethane	1.63	94	75706	56.016	ug/l 98
6) Chloroethane	1.71	64	84857	59.442	ug/l 99
7) Trichlorofluoromethane	1.92	101	246228	58.937	ug/l 98
8) Diethyl Ether	2.18	74	83359	58.165	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	155499	53.887	ug/l 99
10) Methyl Iodide	2.50	142	178993	43.542	ug/l 100
11) Tert butyl alcohol	3.04	59	211189	283.818	ug/l 100
12) 1,1-Dichloroethene	2.36	96	147795	52.997	ug/l 97
13) Acrolein	2.29	56	68266	295.813	ug/l 95
14) Allyl chloride	2.72	41	250305	53.956	ug/l 98
15) Acrylonitrile	3.14	53	484848	284.698	ug/l 99
16) Acetone	2.43	43	416130	272.856	ug/l 100
17) Carbon Disulfide	2.56	76	328590	50.004	ug/l 100
18) Methyl Acetate	2.76	43	277832	58.740	ug/l 99
19) Methyl tert-butyl Ether	3.18	73	525524	57.861	ug/l 99
20) Methylene Chloride	2.85	84	171236	53.476	ug/l 99
21) trans-1,2-Dichloroethene	3.15	96	161511	54.653	ug/l 99
22) Diisopropyl ether	3.85	45	492957	53.358	ug/l 98
23) Vinyl Acetate	3.81	43	1974217	269.857	ug/l 99
24) 1,1-Dichloroethane	3.69	63	276180	52.874	ug/l 99
25) 2-Butanone	4.67	43	653141	272.795	ug/l 100
26) 2,2-Dichloropropane	4.57	77	223268	56.792	ug/l 97
27) cis-1,2-Dichloroethene	4.59	96	186782	54.217	ug/l 100
28) Bromochloromethane	5.01	49	114289	49.843	ug/l 98
29) Tetrahydrofuran	5.12	42	414769	264.089	ug/l 97
30) Chloroform	5.20	83	303038	54.973	ug/l 100
31) Cyclohexane	5.57	56	231399	51.453	ug/l 97
32) 1,1,1-Trichloroethane	5.49	97	271504	57.280	ug/l 99
36) 1,1-Dichloropropene	5.79	75	212170	55.174	ug/l 99
37) Ethyl Acetate	4.82	43	226067	51.112	ug/l 100
38) Carbon Tetrachloride	5.77	117	242263	57.182	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	255123	53.723	ug/l	97
40) Benzene	6.13	78	629936	52.714	ug/l	99
41) Methacrylonitrile	5.03	41	131788	54.138	ug/l	98
42) 1,2-Dichloroethane	6.18	62	246641	59.571	ug/l	98
43) Isopropyl Acetate	6.44	43	364758	52.843	ug/l	99
44) Trichloroethene	7.21	130	194103	54.754	ug/l	97
45) 1,2-Dichloropropane	7.51	63	165424	55.507	ug/l	95
46) Dibromomethane	7.66	93	118764	54.838	ug/l	98
47) Bromodichloromethane	7.89	83	229089	57.610	ug/l	99
48) Methyl methacrylate	7.77	41	194412	56.874	ug/l	97
49) 1,4-Dioxane	7.74	88	100572	1106.180	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1285743	284.579	ug/l	100
52) Toluene	8.78	92	423408	55.615	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	240150	58.190	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	263814	58.412	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	180752	55.830	ug/l	98
56) Ethyl methacrylate	9.18	69	266856	56.711	ug/l	98
57) 1,3-Dichloropropane	9.37	76	286414	55.654	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	663071	282.806	ug/l	99
59) 2-Hexanone	9.49	43	1010890	290.142	ug/l	100
60) Dibromochloromethane	9.58	129	189080	56.054	ug/l	99
61) 1,2-Dibromoethane	9.67	107	187172	54.170	ug/l	99
64) Tetrachloroethene	9.34	164	186843	54.252	ug/l	99
65) Chlorobenzene	10.13	112	463651	51.788	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	191153	57.124	ug/l	99
67) Ethyl Benzene	10.25	91	832350	55.707	ug/l	99
68) m/p-Xylenes	10.35	106	614463	107.136	ug/l	97
69) o-Xylene	10.69	106	311030	55.363	ug/l	100
70) Styrene	10.71	104	528049	55.834	ug/l	98
71) Bromoform	10.85	173	161621	49.721	ug/l #	98
73) Isopropylbenzene	11.02	105	849344	61.797	ug/l	100
74) N-amyl acetate	10.90	43	333757	57.143	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	285043	60.289	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	246823m	61.454	ug/l	
77) Bromobenzene	11.25	156	245887	60.133	ug/l	99
78) n-propylbenzene	11.35	91	901900	60.856	ug/l	99
79) 2-Chlorotoluene	11.42	91	553426	60.814	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	723507	62.666	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	82835	55.343	ug/l	97
82) 4-Chlorotoluene	11.51	91	650423	61.606	ug/l	99
83) tert-Butylbenzene	11.77	119	665072	56.560	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	680410	58.703	ug/l	98
85) sec-Butylbenzene	11.94	105	763252	57.531	ug/l	100
86) p-Isopropyltoluene	12.06	119	727314	58.274	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	384602	54.720	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	386716	54.286	ug/l	99
89) n-Butylbenzene	12.38	91	609235	59.374	ug/l	99
90) Hexachloroethane	12.59	117	115262	58.481	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	394839	55.962	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	63650	58.844	ug/l	91

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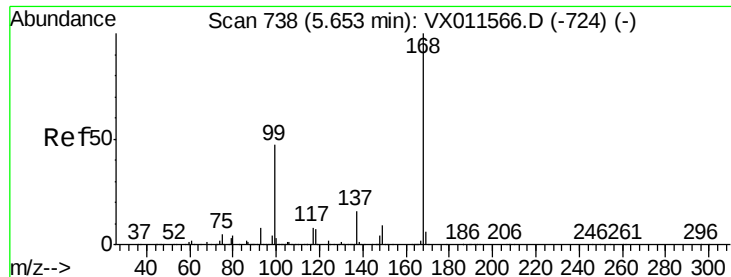
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	291034	55.361	ug/l	99
94) Hexachlorobutadiene	13.78	225	149465	52.214	ug/l	98
95) Naphthalene	13.83	128	887370	59.708	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	294211	55.487	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 327063

Ion Ratio Lower Upper

168 100

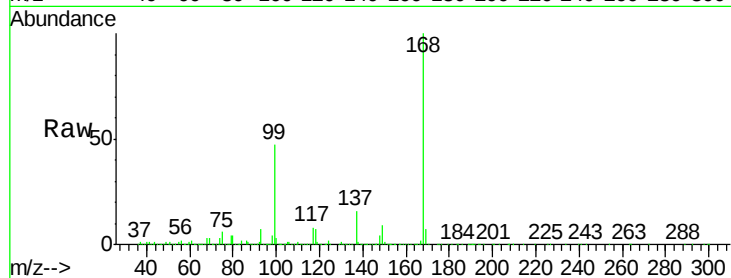
99 47.2 37.3 55.9

Manual Integrations

APPROVED

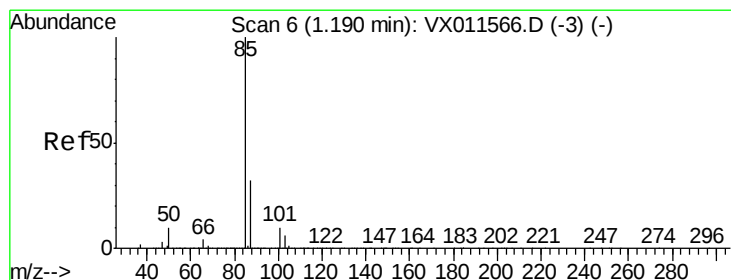
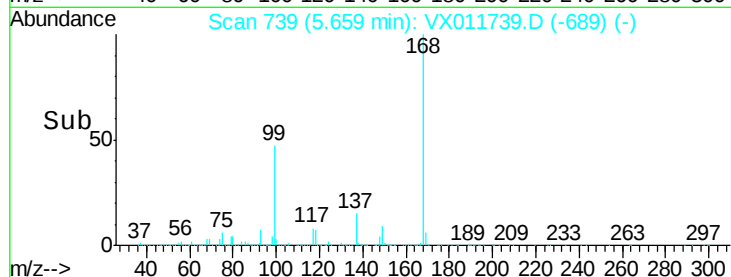
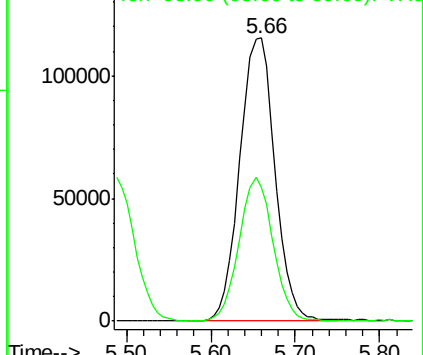
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 56.906 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011739.D

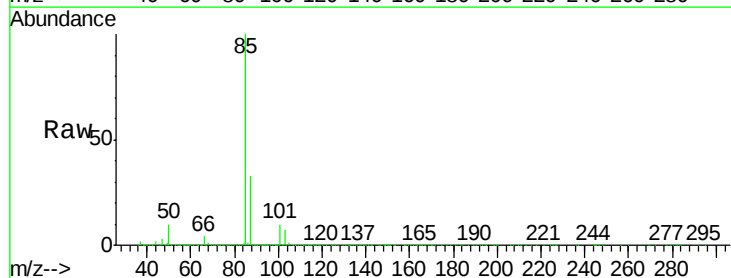
Acq: 21 Aug 2019 18:38

Tgt Ion: 85 Resp: 182945

Ion Ratio Lower Upper

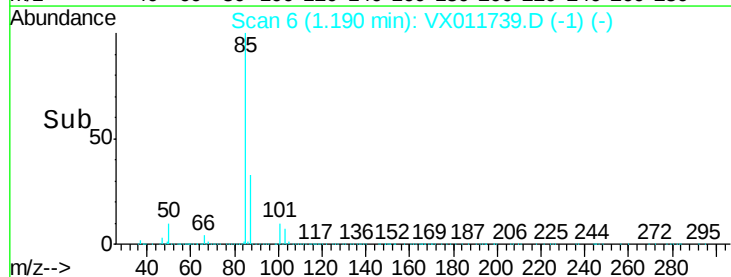
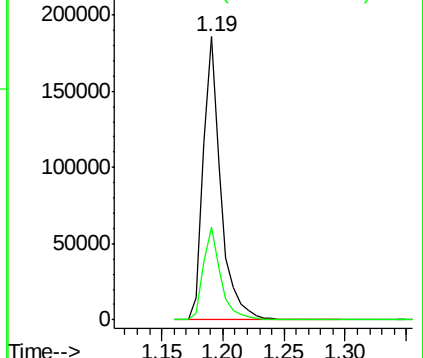
85 100

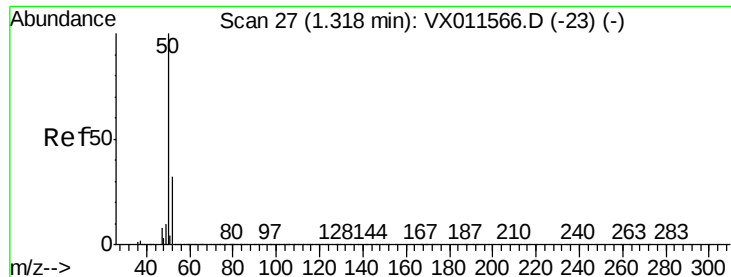
87 32.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 44.068 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 147145

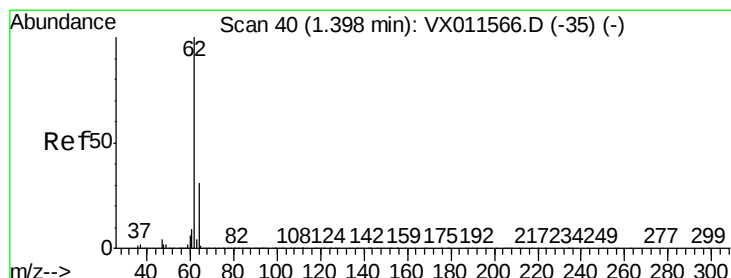
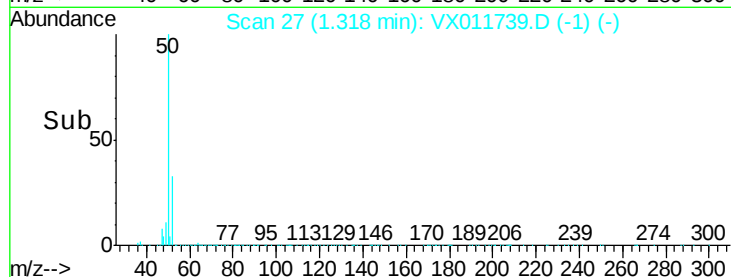
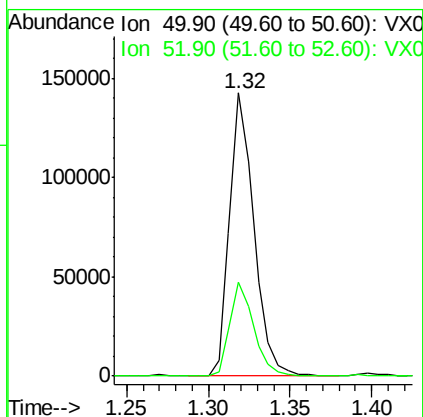
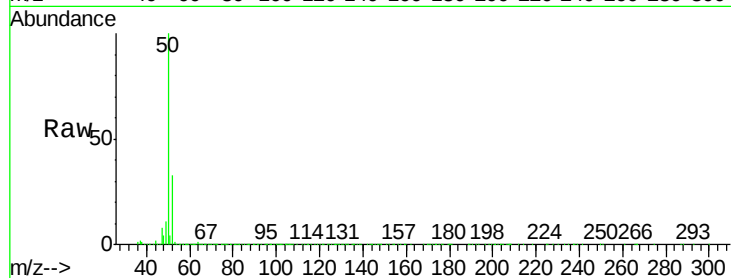
Ion Ratio Lower Upper

50 100

52 33.1 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 48.674 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011739.D

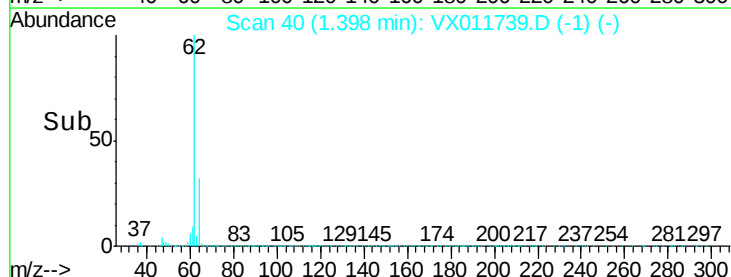
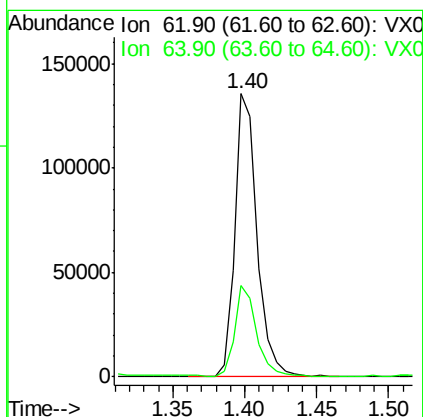
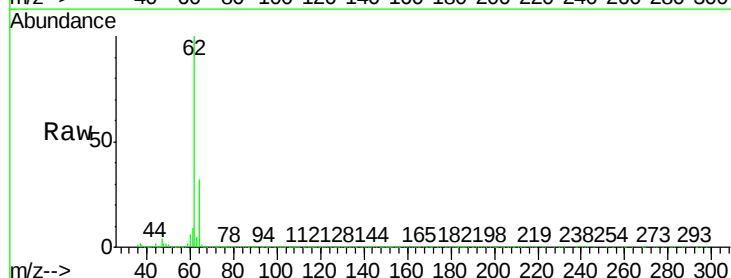
Acq: 21 Aug 2019 18:38

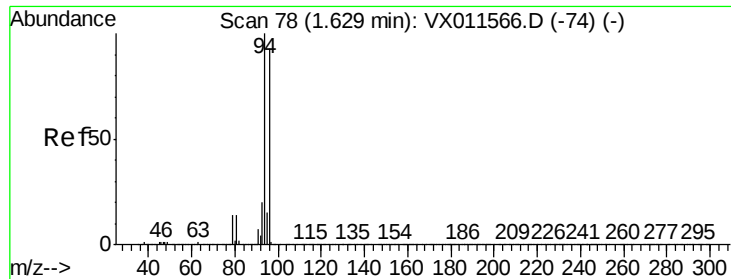
Tgt Ion: 62 Resp: 146814

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.4





#5

Bromomethane

Concen: 56.016 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

Tot Ion: 94 Resp: 75706

Ion Ratio Lower Upper

94 100

96 95.3 74.8 112.2

Instrument :

MSVOA_X

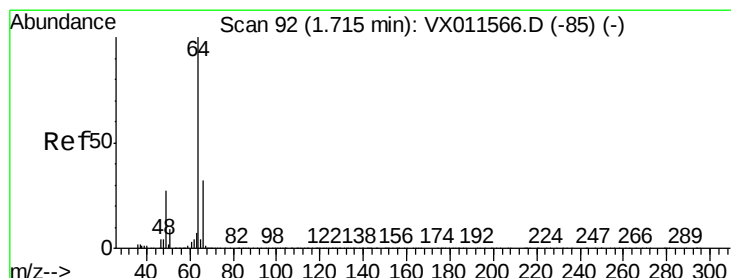
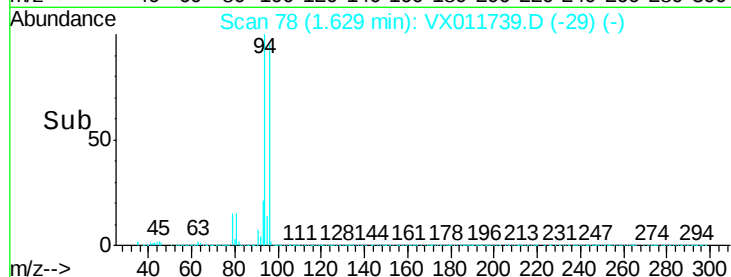
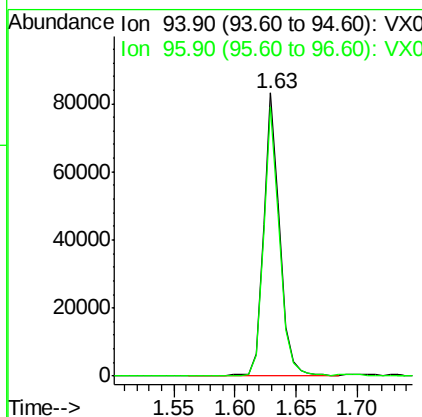
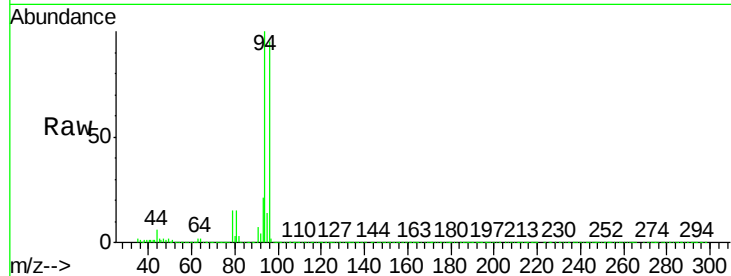
ClientSampleId :

VSTDCCC050

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#6

Chloroethane

Concen: 59.442 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011739.D

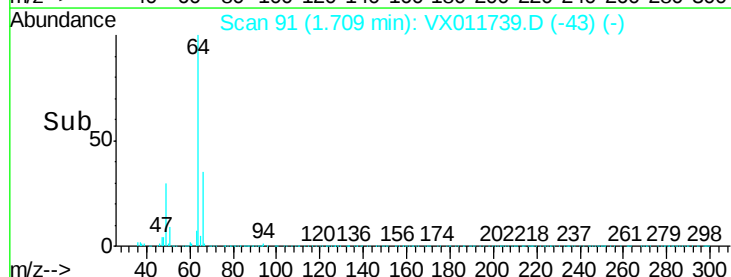
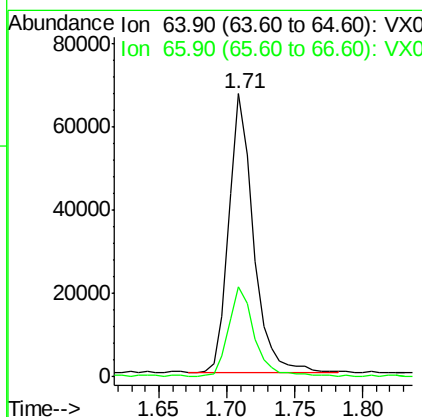
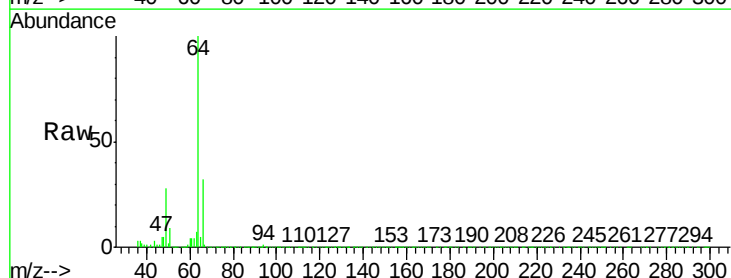
Acq: 21 Aug 2019 18:38

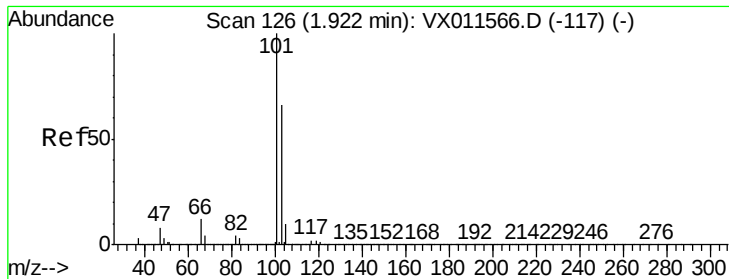
Tgt Ion: 64 Resp: 84857

Ion Ratio Lower Upper

64 100

66 32.4 25.3 37.9





#7

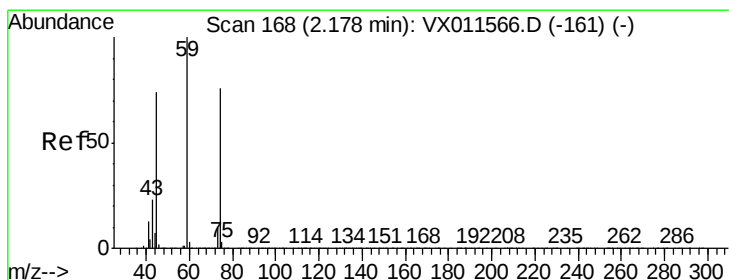
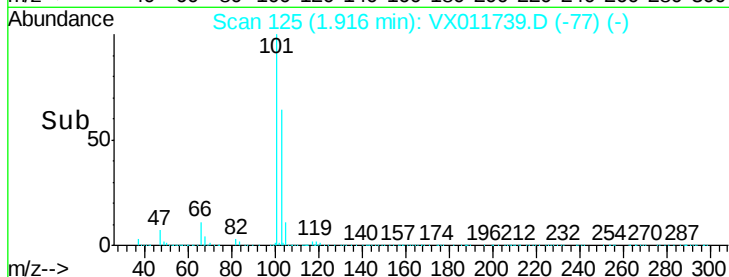
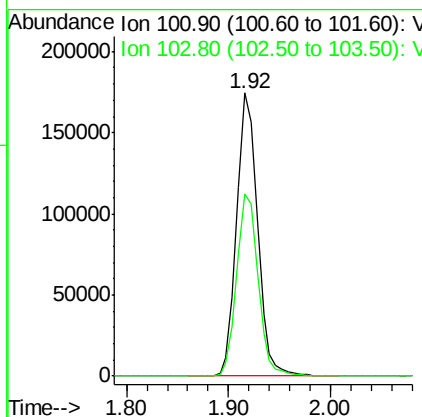
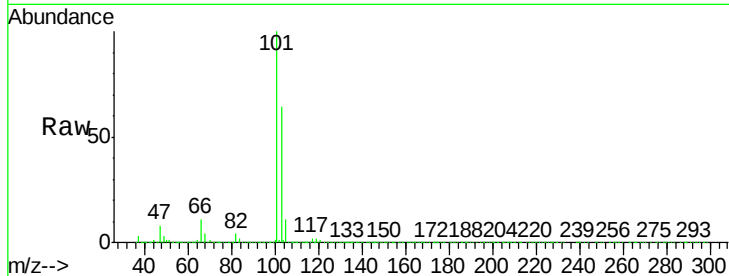
Trichlorofluoromethane
Concen: 58.937 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	246228		
103	64.1	52.9	79.3	

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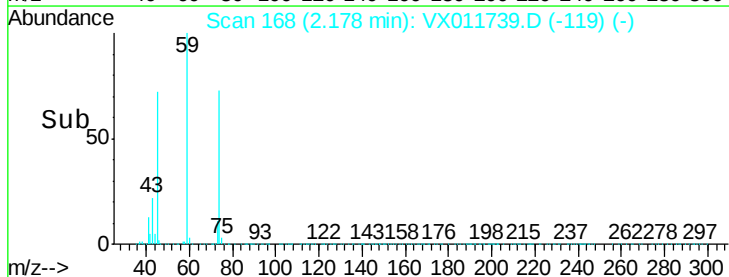
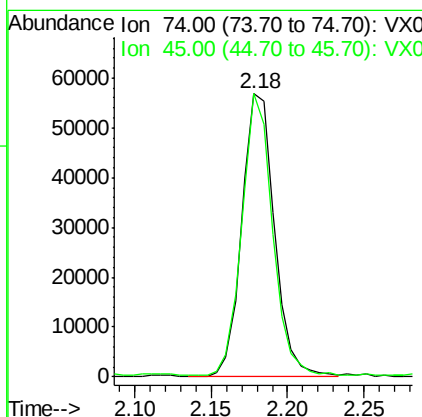
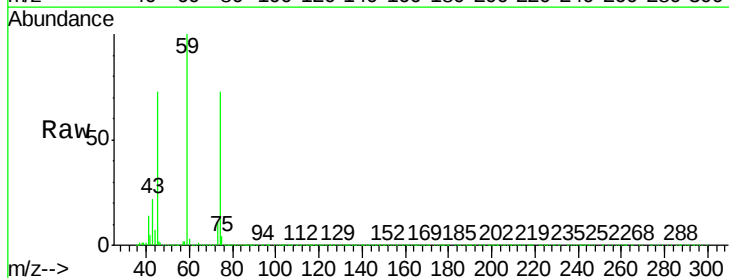
MMDadoda
8/22/2019 10:01:35 AM

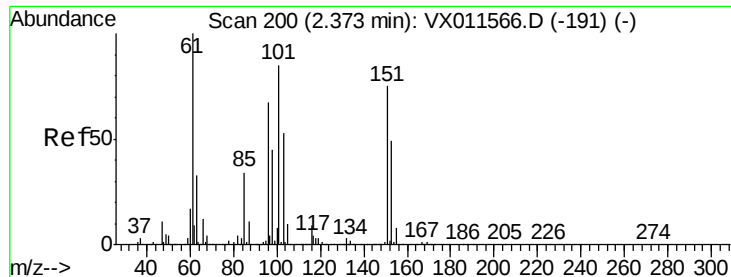


#8

Diethyl Ether
Concen: 58.165 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	83359		
45	93.8	48.2	144.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.887 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

Instrument :

MSVOA_X

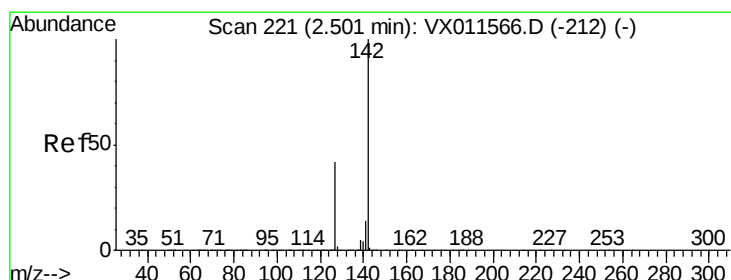
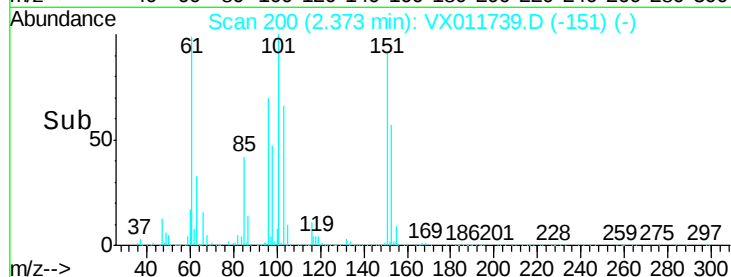
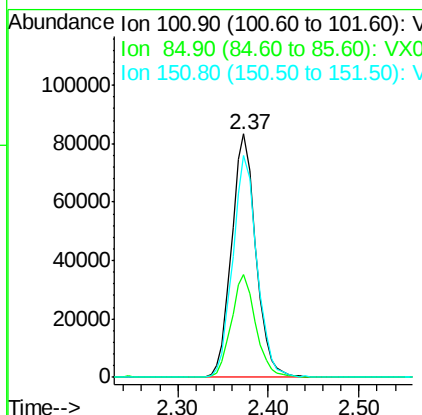
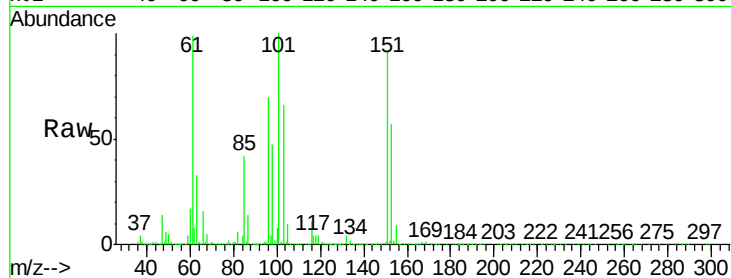
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	155499
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.0	49.4
151	91.1	73.3	109.9

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#10

Methyl Iodide

Concen: 43.542 ug/l

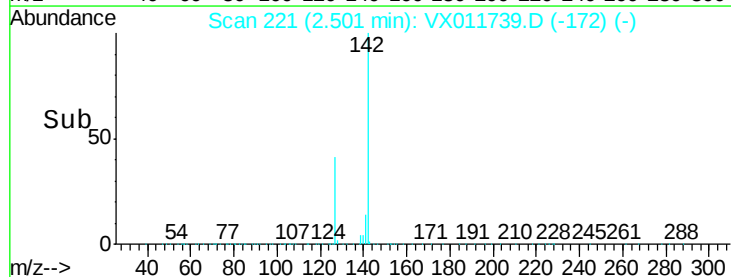
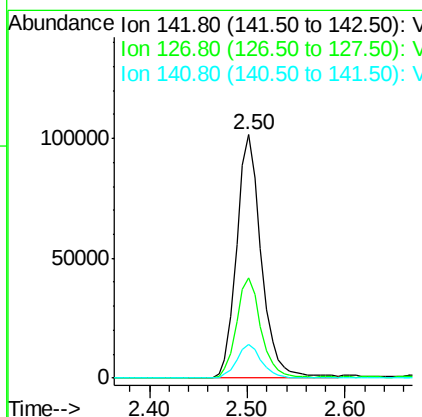
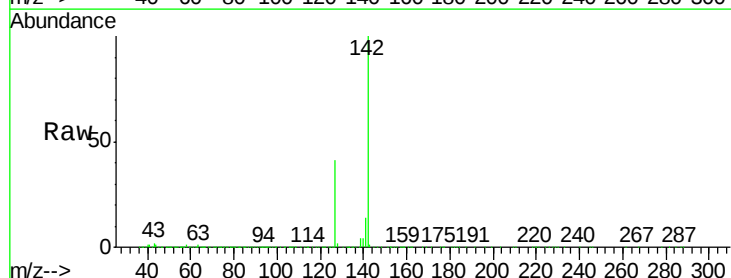
RT: 2.50 min Scan# 221

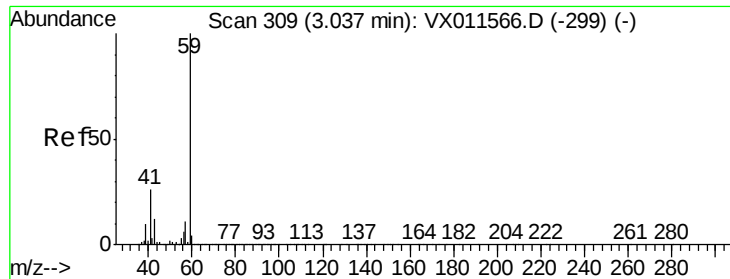
Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

Tgt Ion:	142	Resp:	178993
Ion Ratio	Lower	Upper	
142	100		
127	41.1	32.8	49.2
141	14.2	11.4	17.2





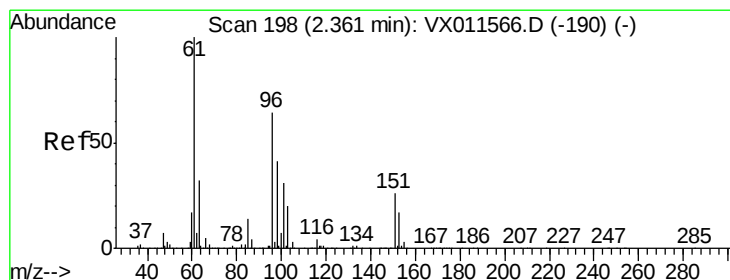
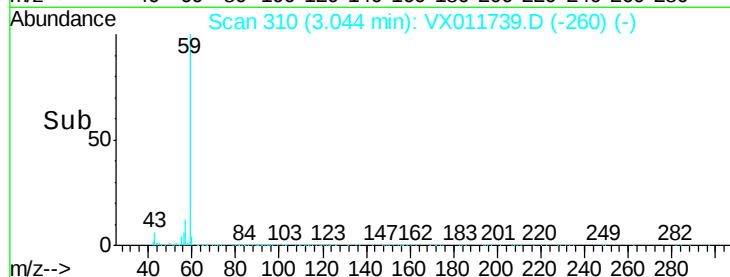
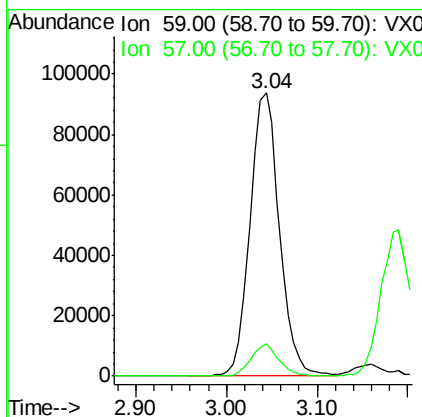
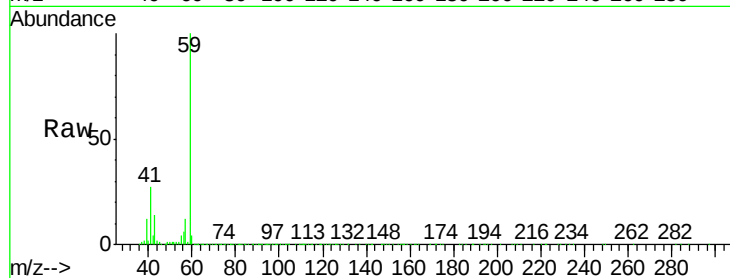
#11
Tert butyl alcohol
Concen: 283.818 ug/l
RT: 3.04 min Scan# 310
Delta R.T. 0.01 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.7	13.1

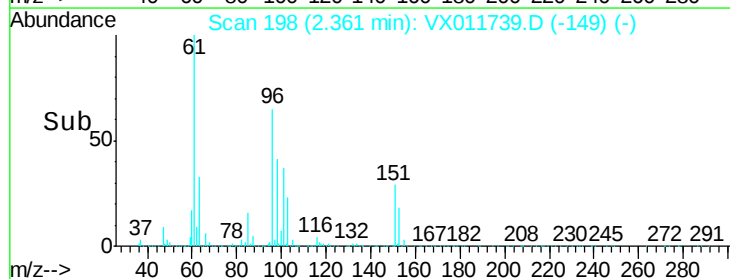
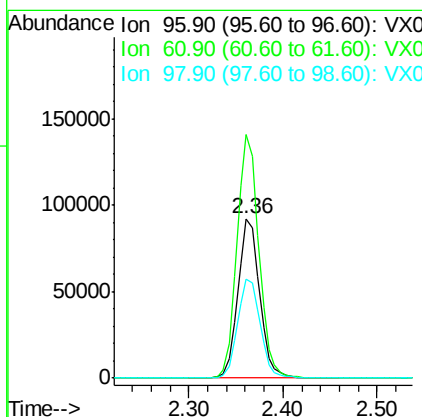
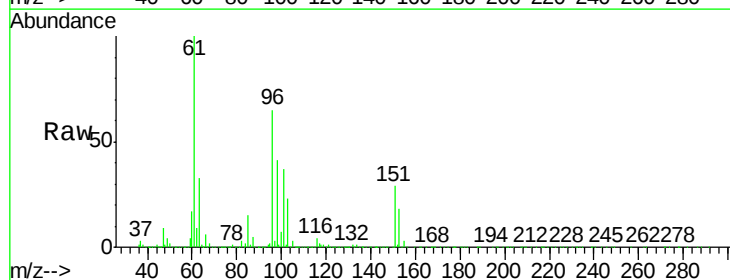
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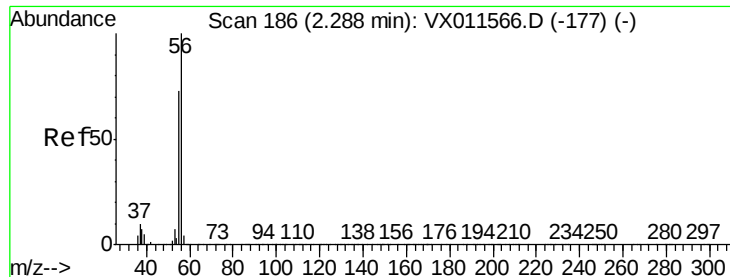
MMDadoda
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#12
1,1-Dichloroethene
Concen: 52.997 ug/l
RT: 2.36 min Scan# 198
Delta R.T. 0.00 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.8	125.0	187.4
98	62.3	51.5	77.3





#13

Acrolein

Concen: 295.813 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 68266

Ion Ratio Lower Upper

56 100

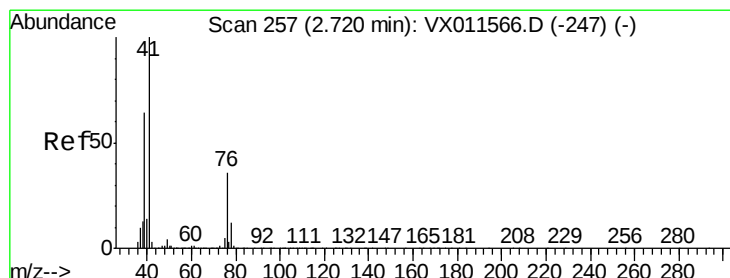
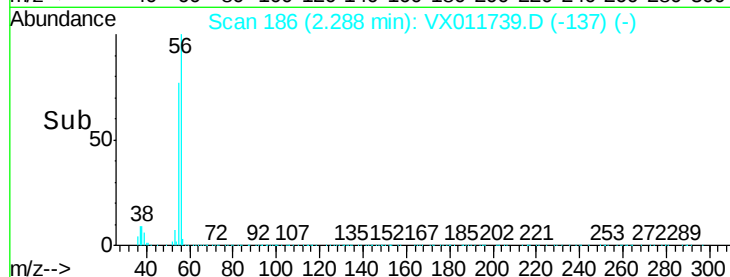
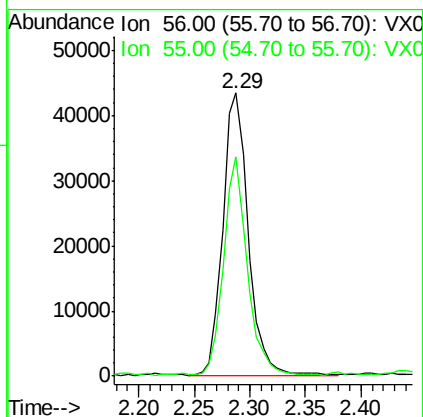
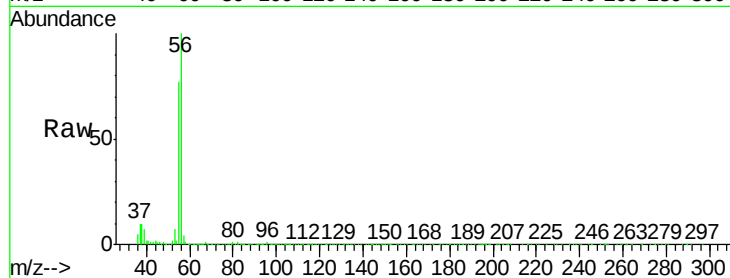
55 73.6 55.5 83.3

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#14

Allyl chloride

Concen: 53.956 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

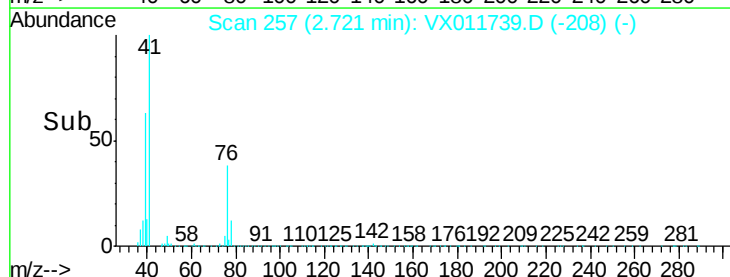
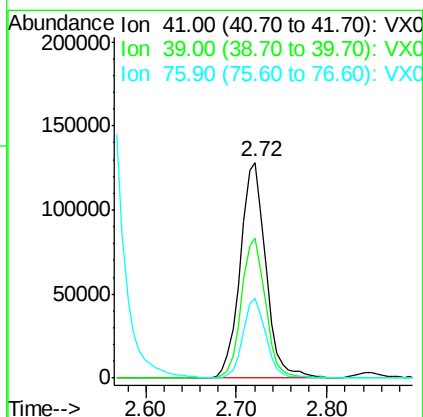
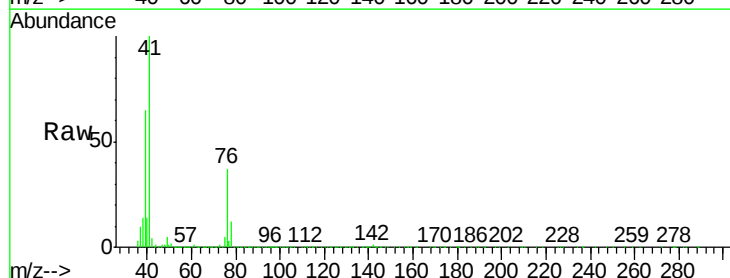
Tgt Ion: 41 Resp: 250305

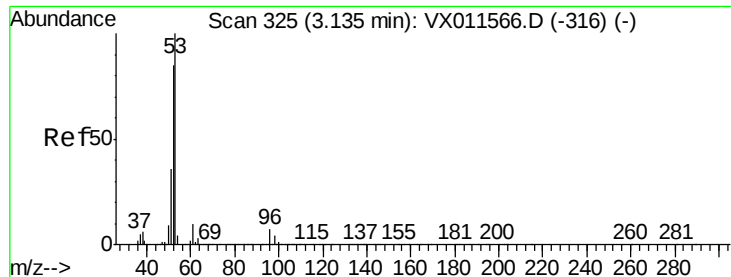
Ion Ratio Lower Upper

41 100

39 61.6 47.5 71.3

76 32.7 26.3 39.5





#15

Acrylonitrile

Concen: 284.698 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

Instrument :

MSVOA_X

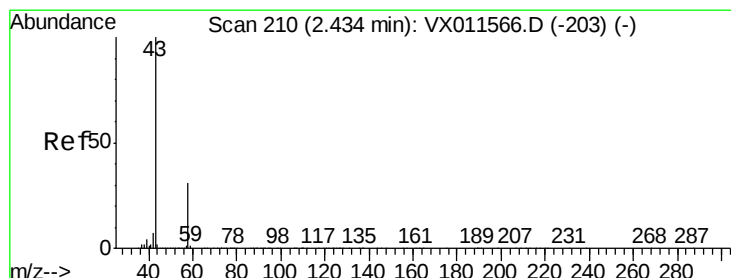
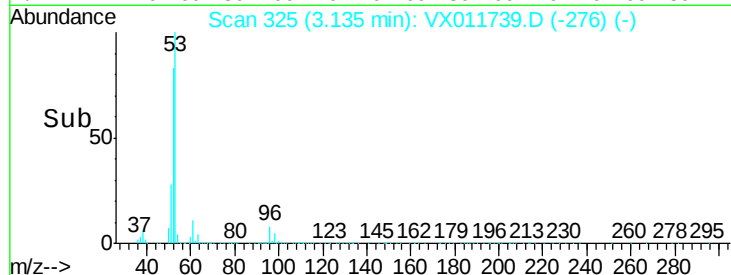
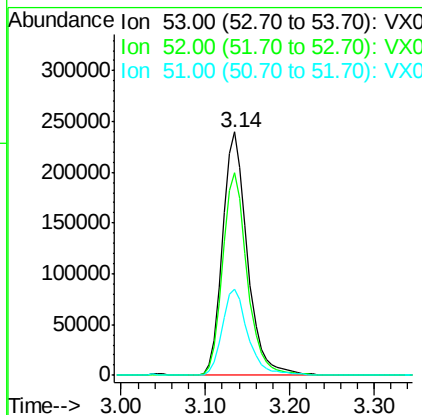
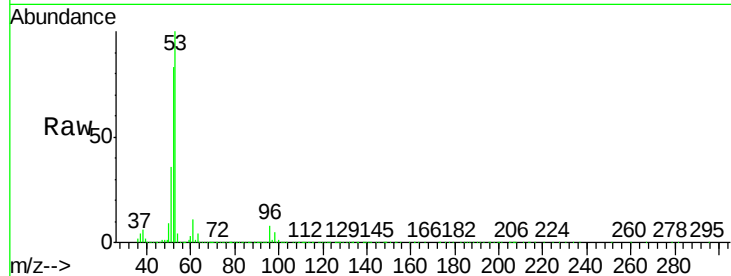
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	484848
Ion Ratio	Lower	Upper	
53	100		
52	82.5	66.7	100.1
51	36.4	28.7	43.1

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#16

Acetone

Concen: 272.856 ug/l

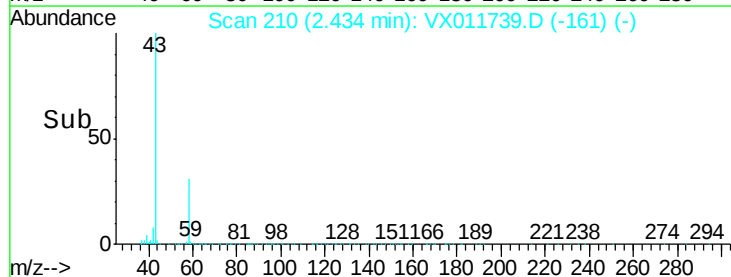
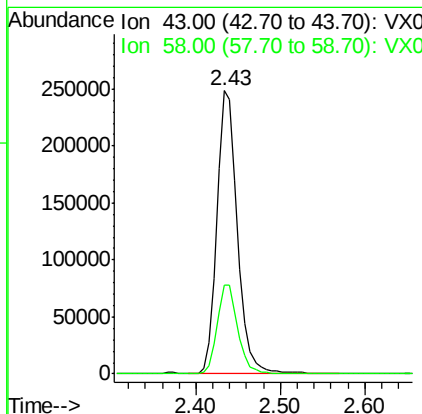
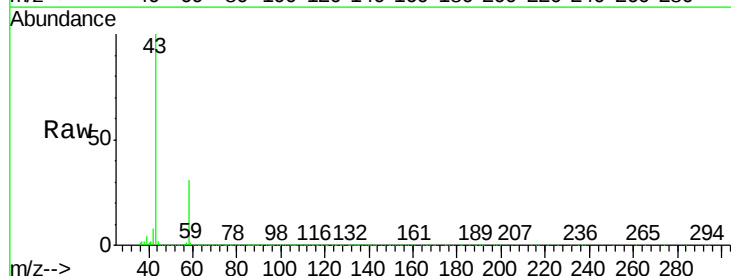
RT: 2.43 min Scan# 210

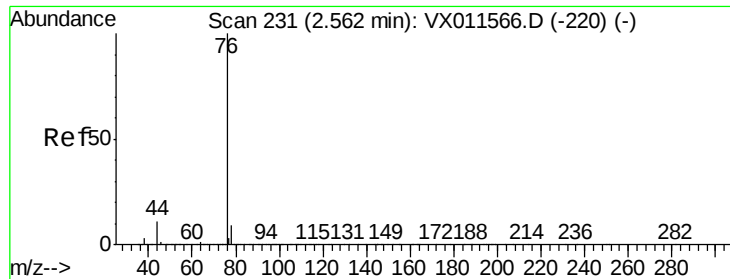
Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

Tgt Ion:	43	Resp:	416130
Ion Ratio	Lower	Upper	
43	100		
58	31.3	25.2	37.8





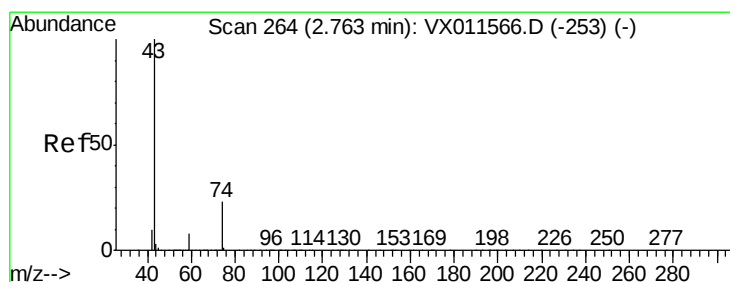
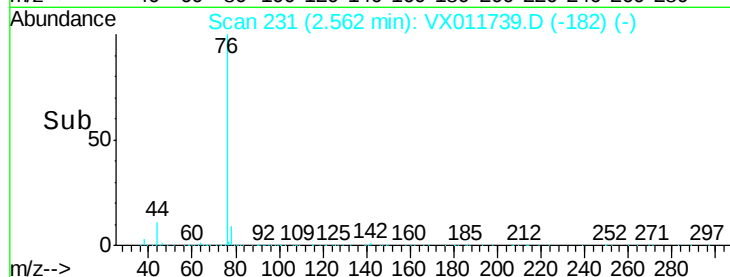
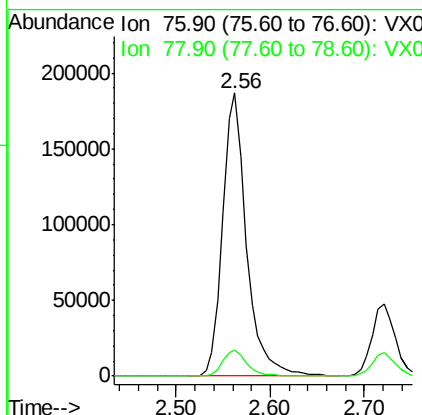
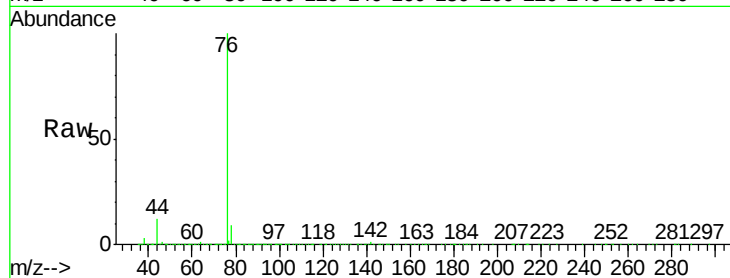
#17
Carbon Disulfide
Concen: 50.004 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
76	100	328590		
78	9.0		7.2	10.8

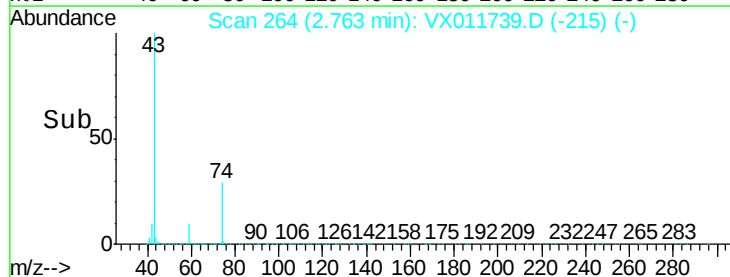
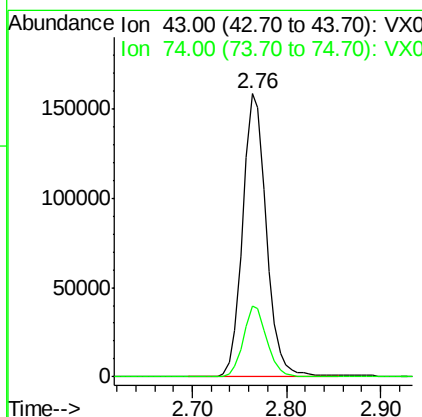
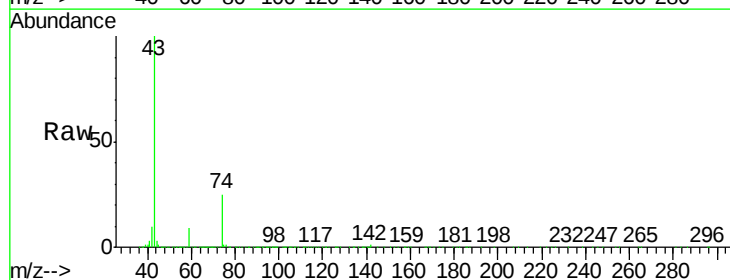
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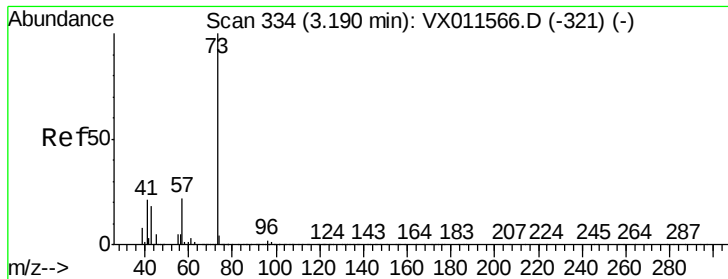
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#18
Methyl Acetate
Concen: 58.740 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	277832		
74	24.2		19.7	29.5





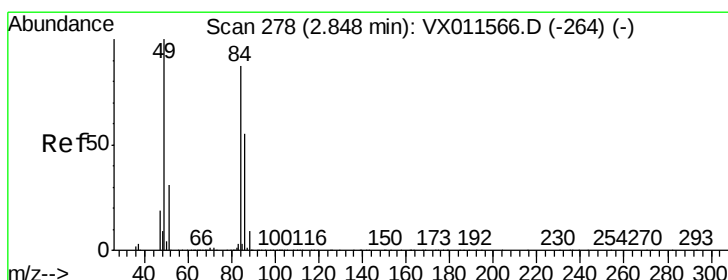
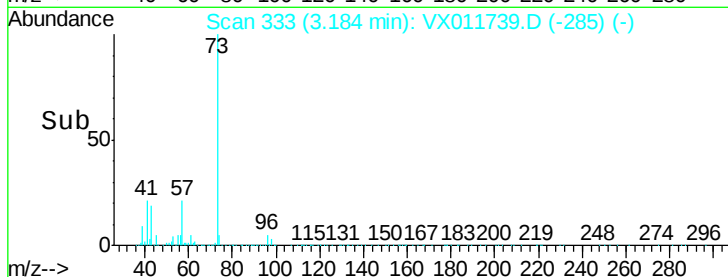
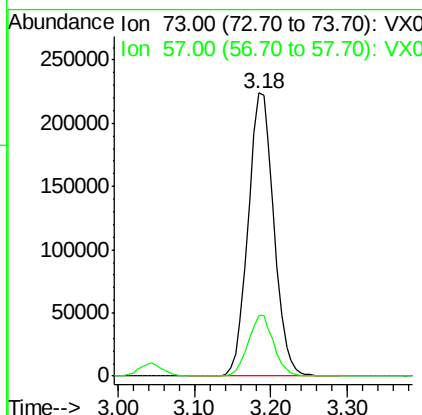
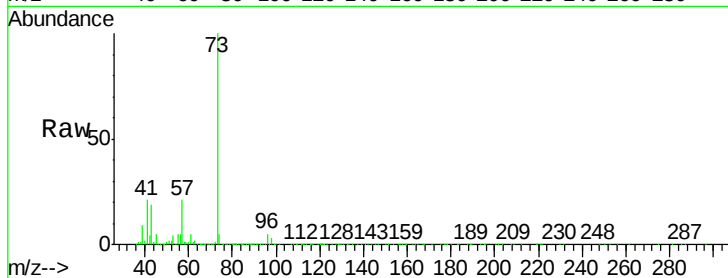
#19
Methvl tert-butvl Ether
Concen: 57.861 ug/l
RT: 3.18 min Scan# 333
Delta R.T. -0.01 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.2	25.8

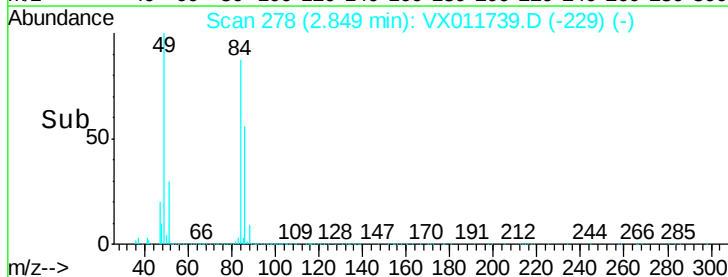
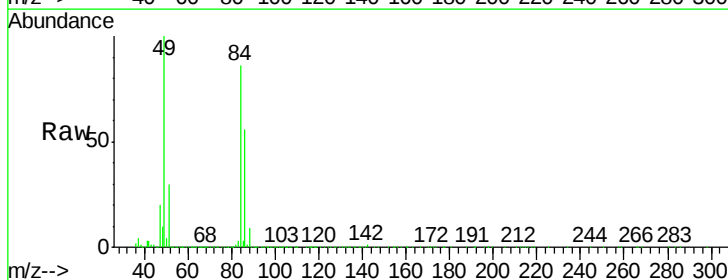
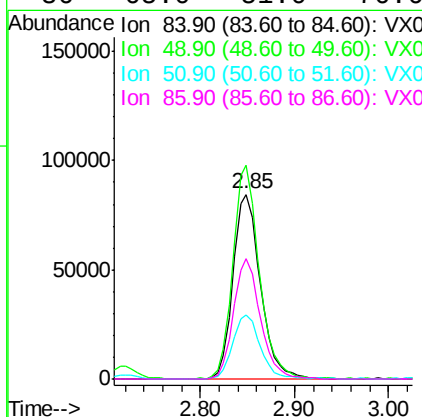
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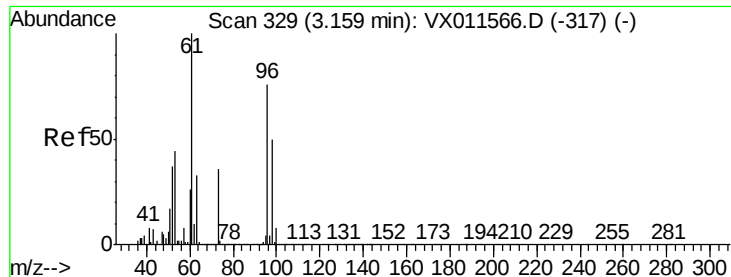
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#20
Methylene Chloride
Concen: 53.476 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.4	92.4	138.6
51	34.6	28.5	42.7
86	65.0	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 54.653 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

Instrument :

MSVOA_X

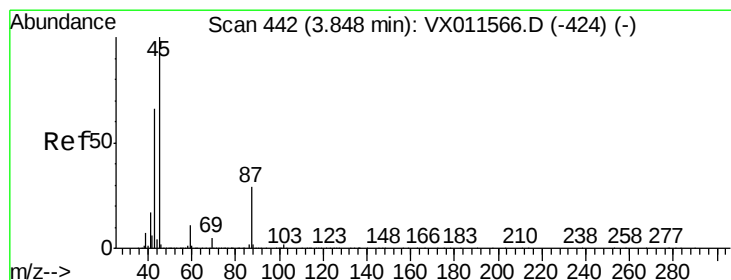
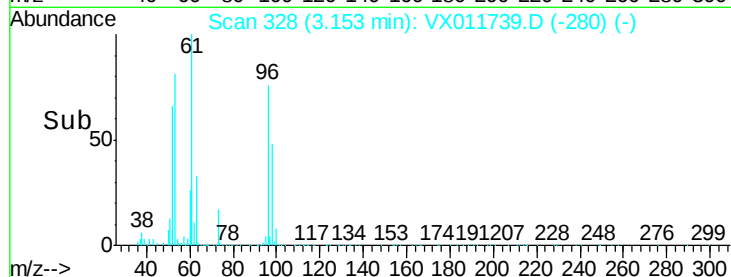
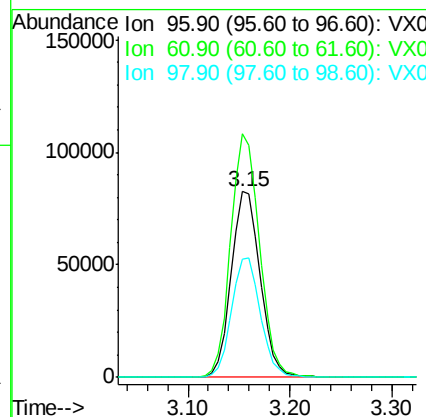
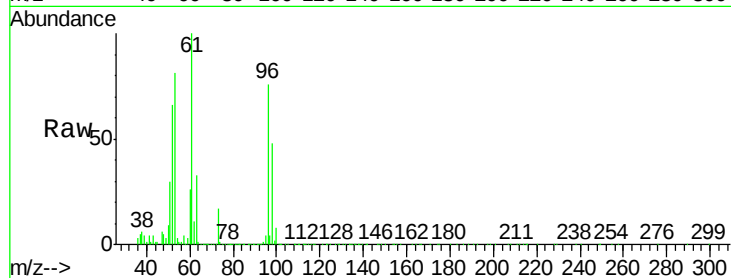
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	161511
Ion Ratio	Lower	Upper	
96	100		
61	131.1	105.5	158.3
98	63.4	52.6	78.8

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#22

Diisopropyl ether

Concen: 53.358 ug/l

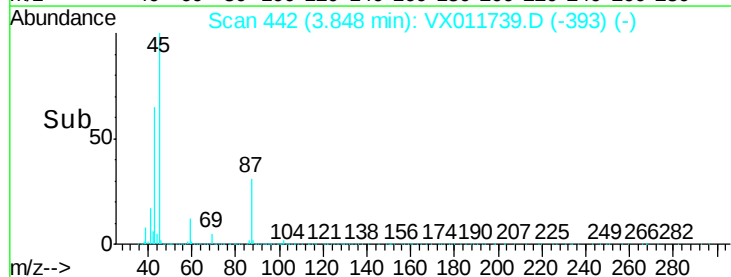
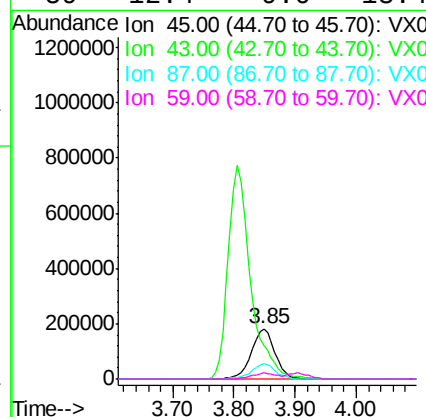
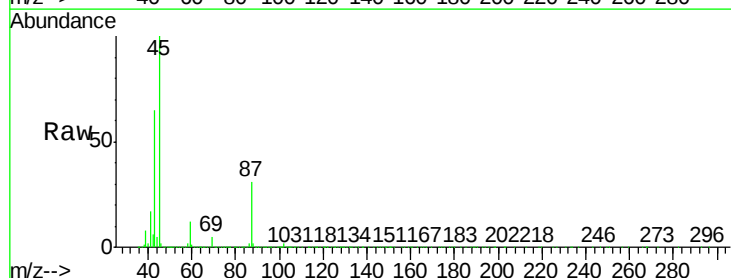
RT: 3.85 min Scan# 442

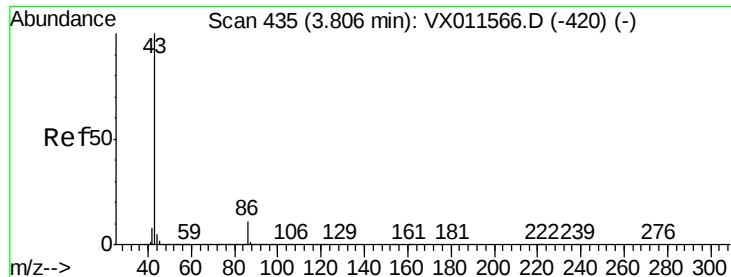
Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

Tgt Ion:	45	Resp:	492957
Ion Ratio	Lower	Upper	
45	100		
43	65.0	52.7	79.1
87	30.8	23.5	35.3
59	12.4	9.0	13.4





#23

Vinyl Acetate

Concen: 269.857 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1974217

Ion Ratio Lower Upper

43 100

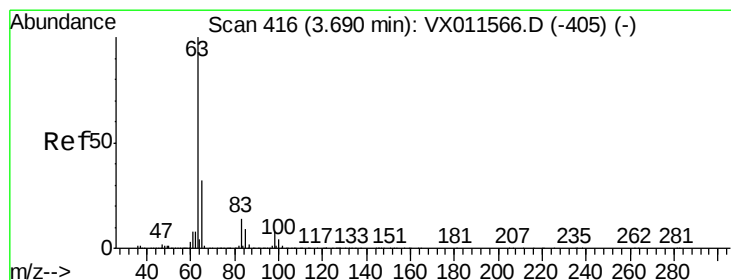
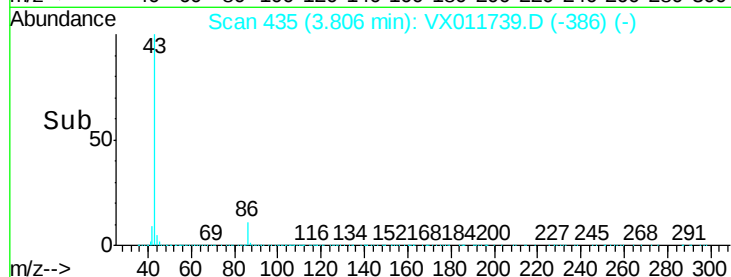
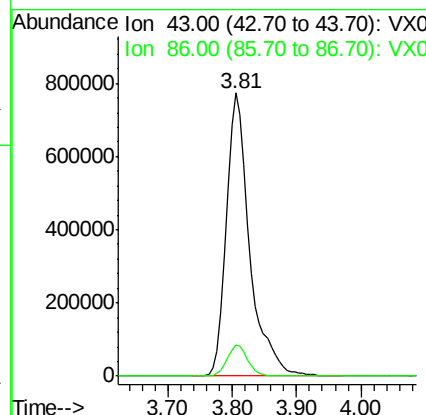
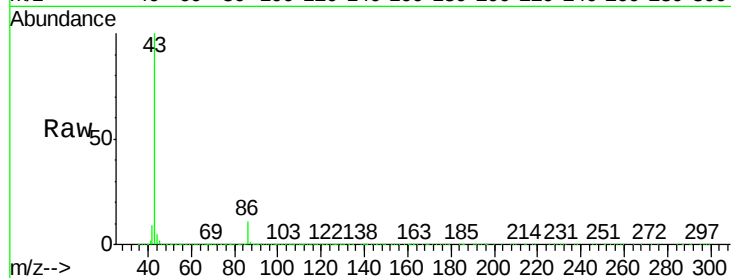
86 11.1 8.6 13.0

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#24

1,1-Dichloroethane

Concen: 52.874 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

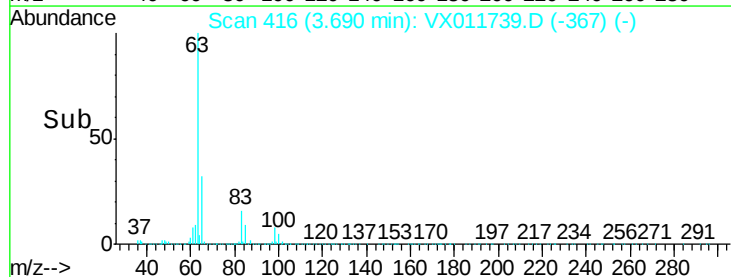
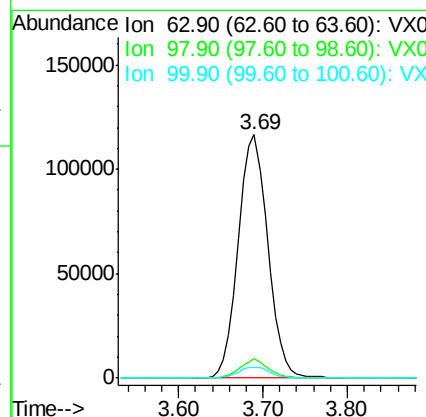
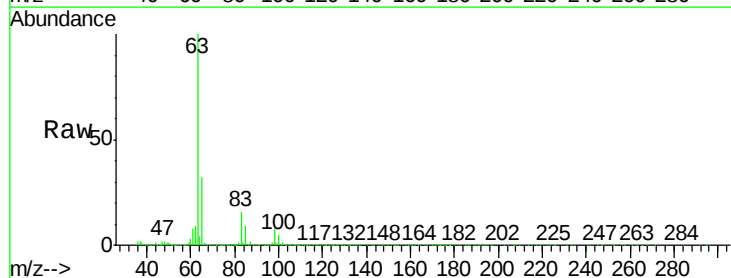
Tgt Ion: 63 Resp: 276180

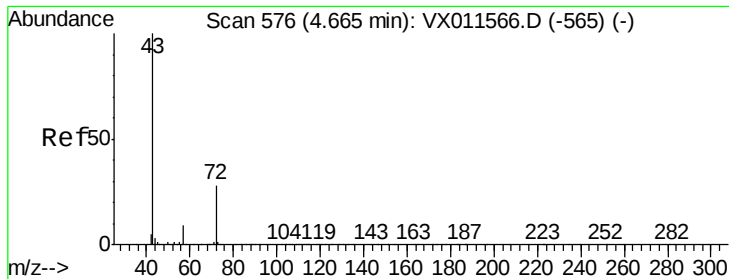
Ion Ratio Lower Upper

63 100

98 7.9 3.7 11.1

100 4.4 2.1 6.3





#25

2-Butanone

Concen: 272.795 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 653141

Ion Ratio Lower Upper

43 100

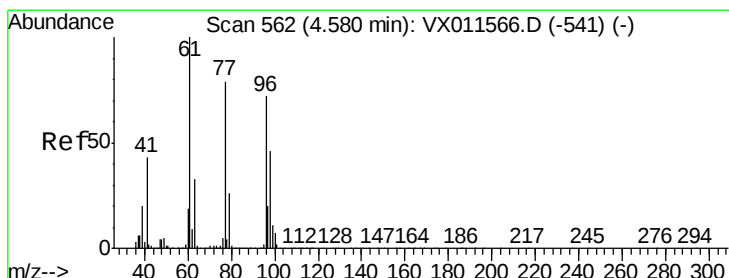
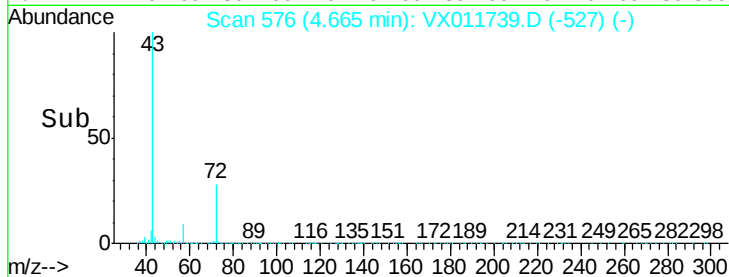
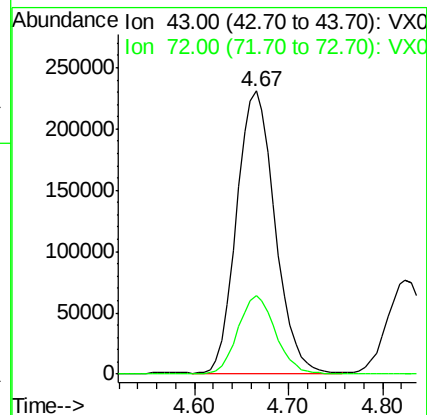
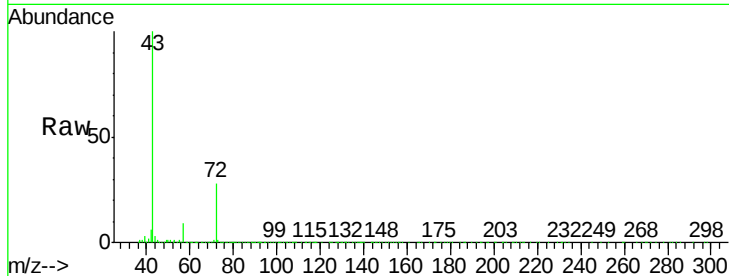
72 27.6 22.2 33.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 56.792 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX011739.D

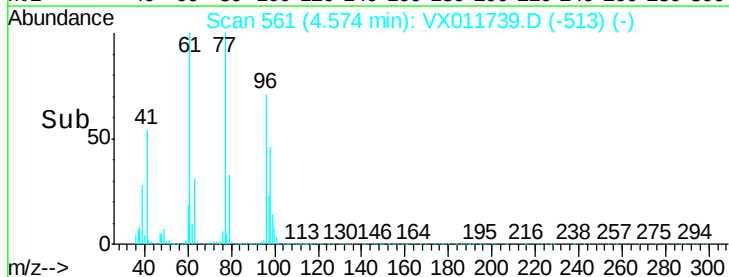
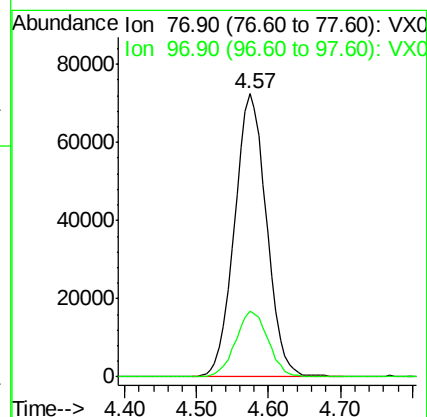
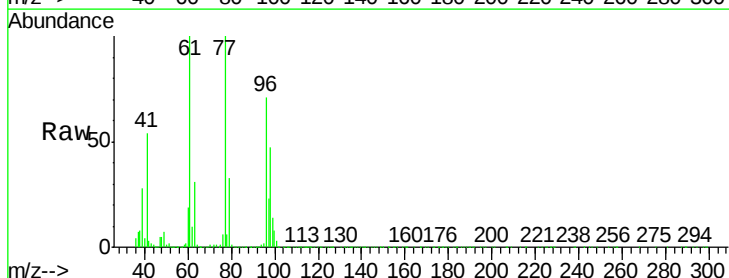
Acq: 21 Aug 2019 18:38

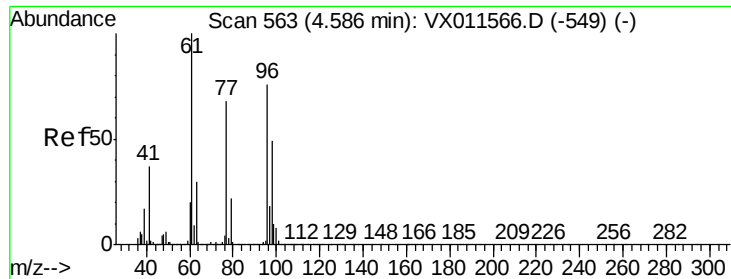
Tgt Ion: 77 Resp: 223268

Ion Ratio Lower Upper

77 100

97 23.4 12.4 37.2





#27

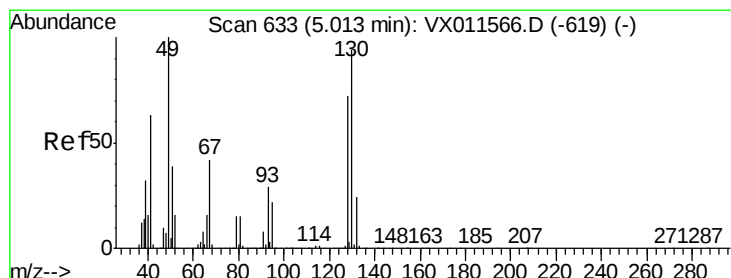
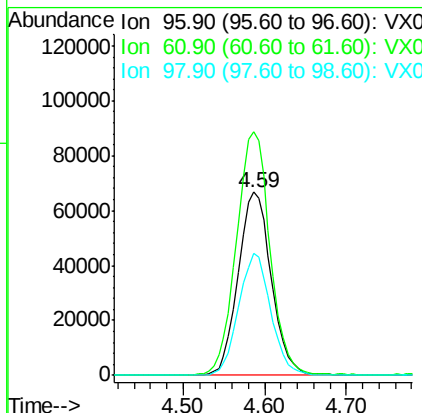
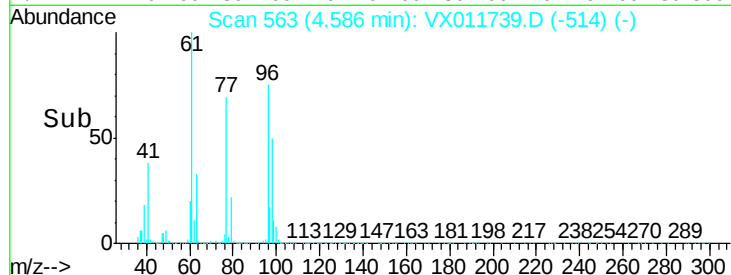
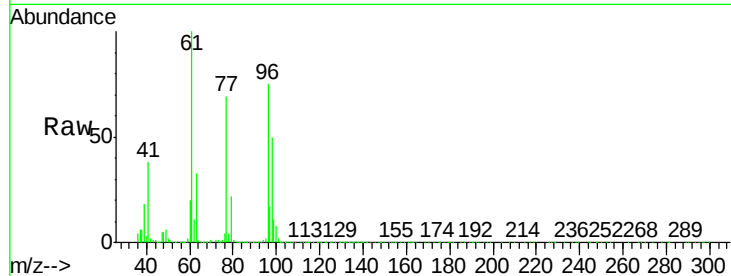
cis-1,2-Dichloroethene
Concen: 54.217 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	186782		
61	136.3	0.0	272.6	
98	65.3	0.0	129.4	

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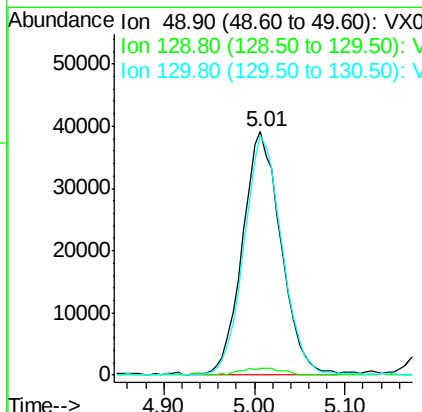
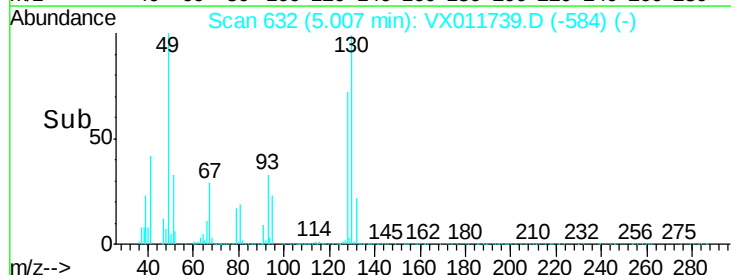
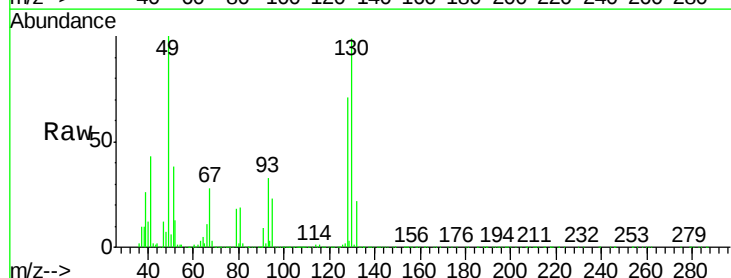
MMDadoda
8/22/2019 10:01:35 AM

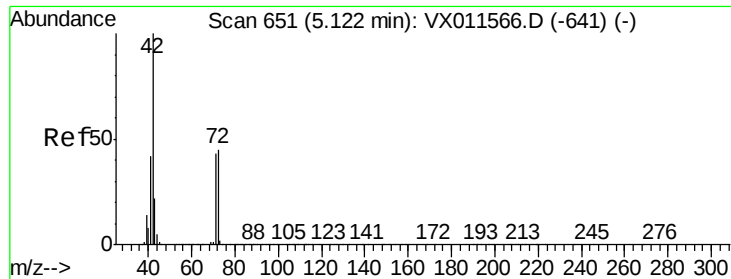


#28

Bromochloromethane
Concen: 49.843 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	114289		
129	3.2	0.0	5.0	
130	97.9	76.6	115.0	





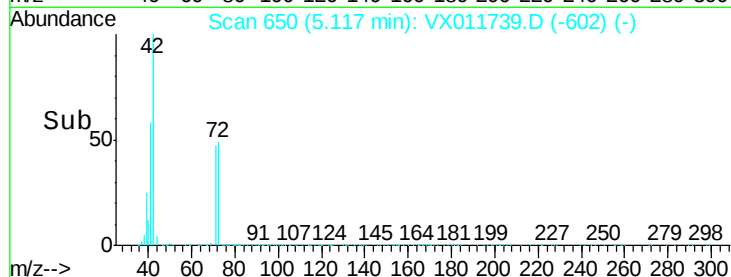
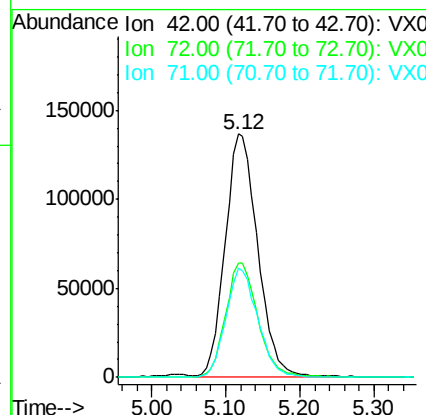
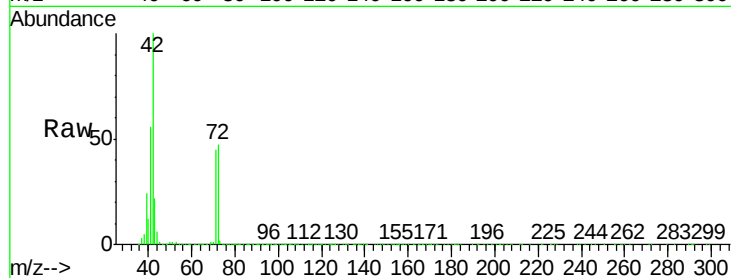
#29
Tetrahydrofuran
Concen: 264.089 ug/l
RT: 5.12 min Scan# 650
Delta R.T. -0.01 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	36.1	54.1
71	44.0	33.8	50.8

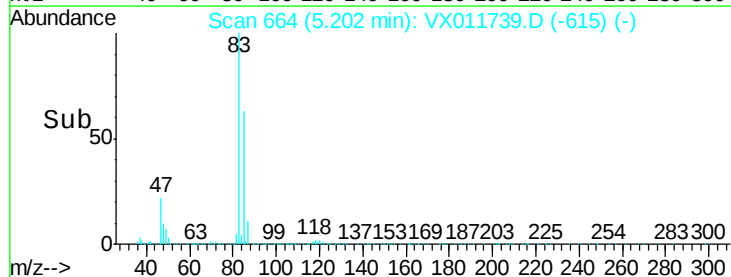
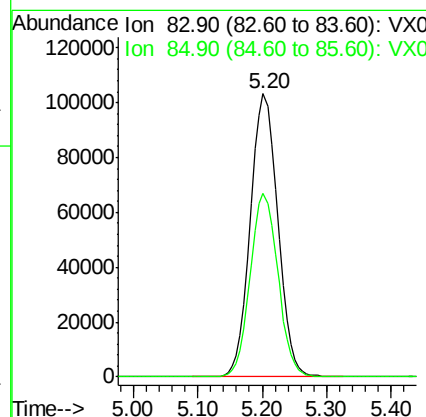
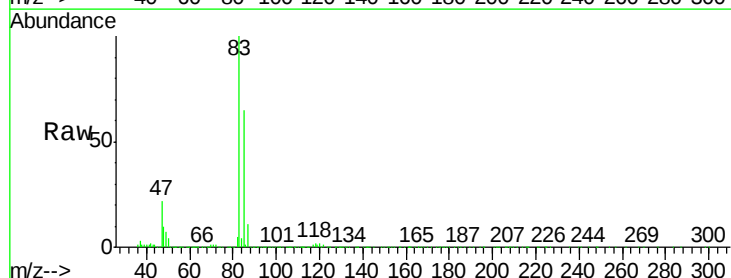
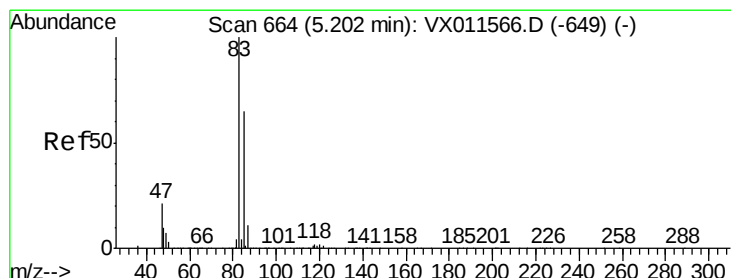
Manual Integrations
APPROVED

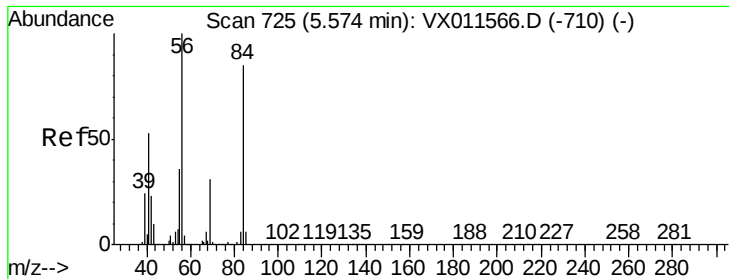
MMDadoda
8/22/2019 10:01:35 AM



#30
Chloroform
Concen: 54.973 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.9	77.9





#31

Cyclohexane

Concen: 51.453 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

Instrument :

MSVOA_X

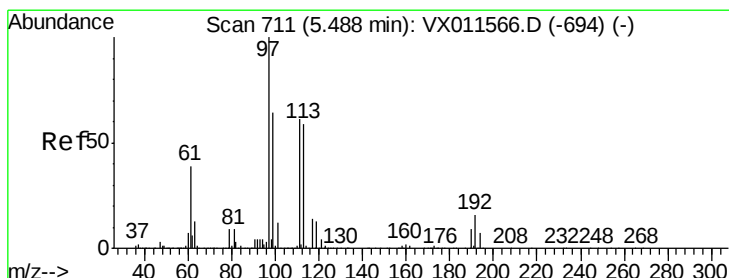
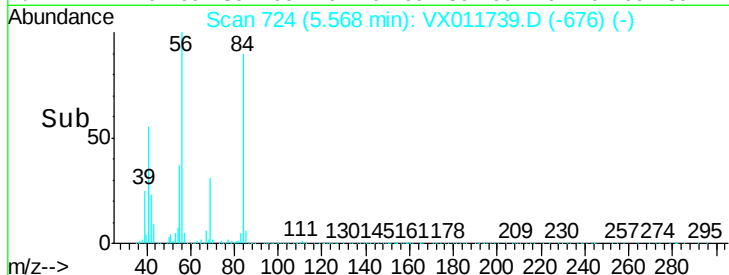
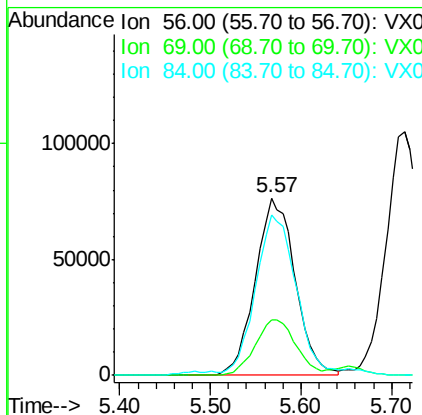
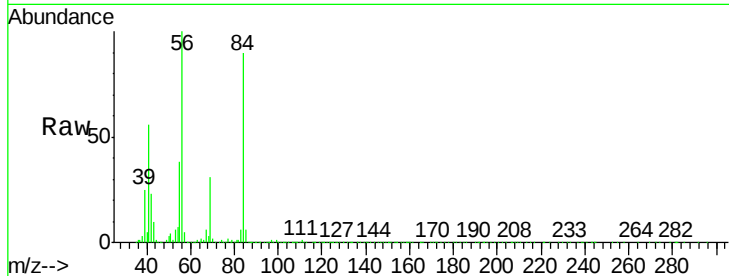
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	231399
Ion Ratio	Lower	Upper	
56	100		
69	31.1	24.8	37.2
84	88.6	67.9	101.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 57.280 ug/l

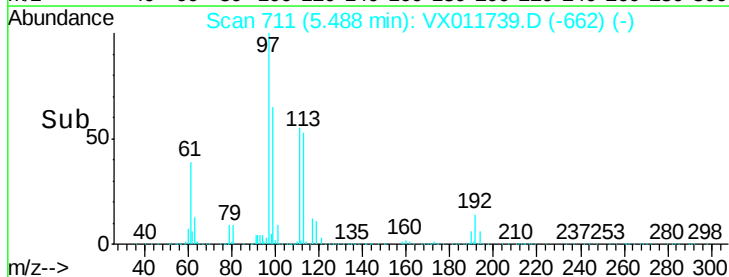
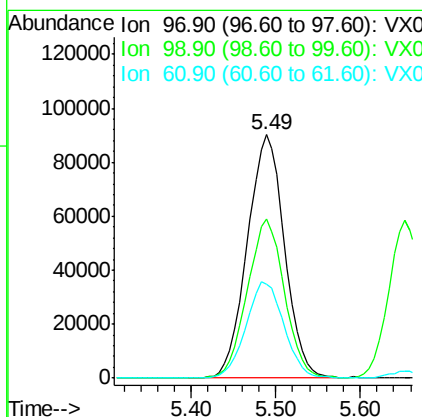
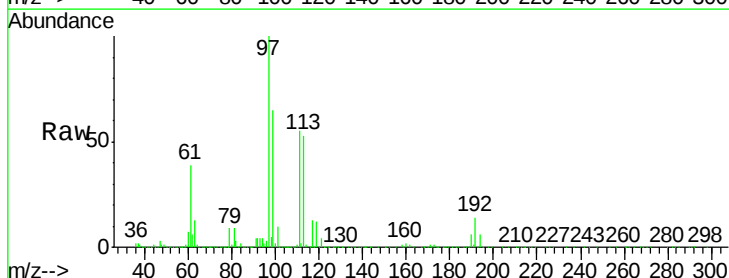
RT: 5.49 min Scan# 711

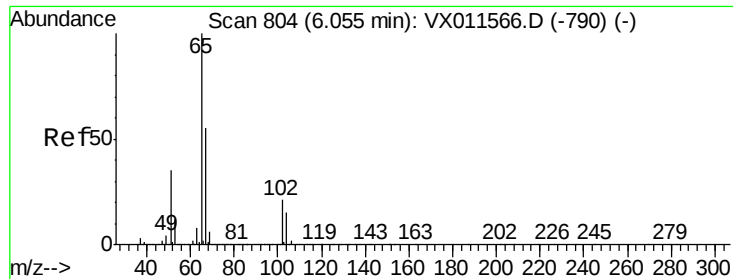
Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

Tgt Ion:	97	Resp:	271504
Ion Ratio	Lower	Upper	
97	100		
99	64.9	51.4	77.0
61	40.2	31.4	47.2





#33

1,2-Dichloroethane-d4

Concen: 49.401 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 149835

Ion Ratio Lower Upper

65 100

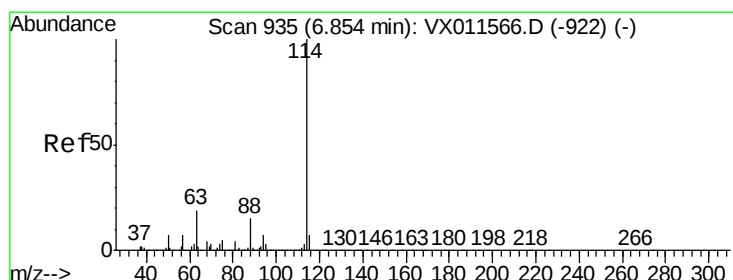
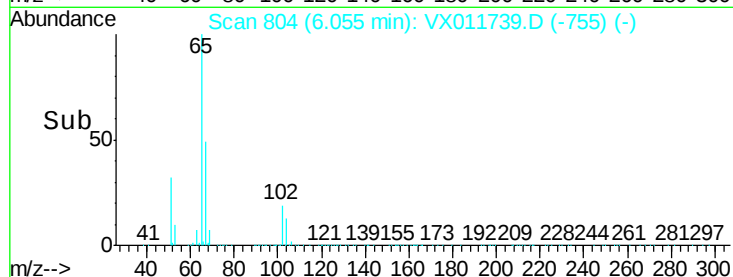
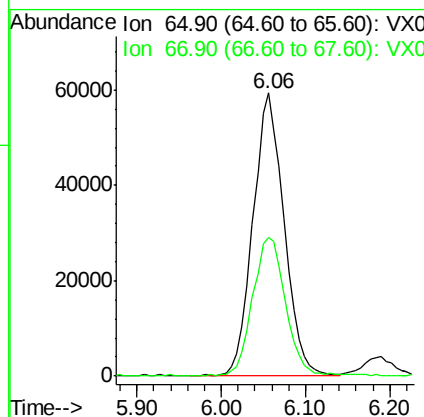
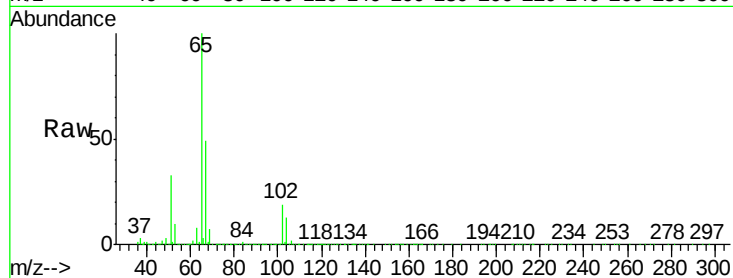
67 51.0 0.0 107.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

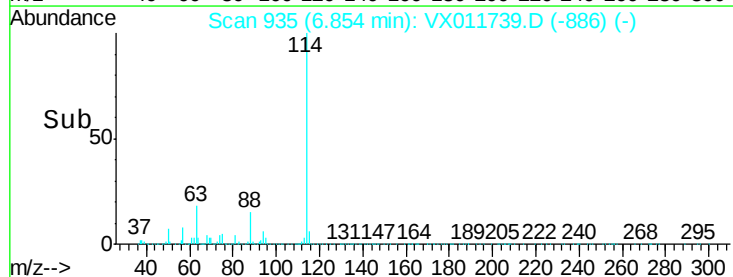
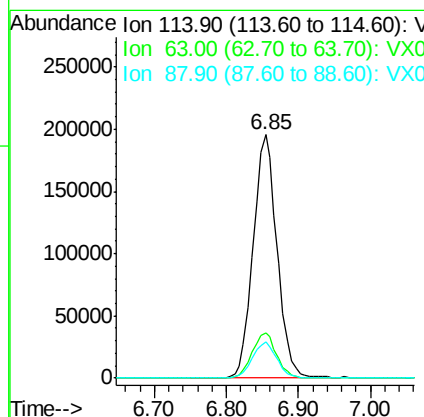
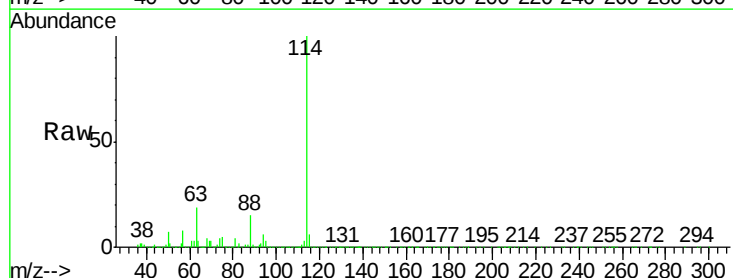
Tgt Ion: 114 Resp: 449768

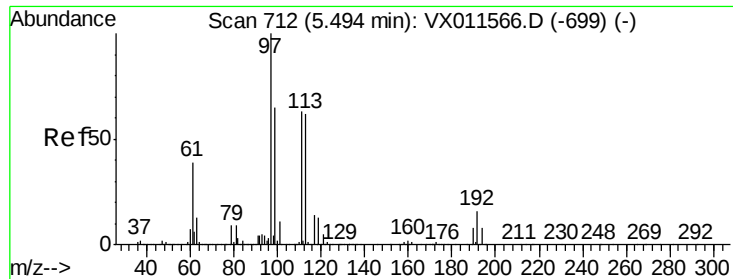
Ion Ratio Lower Upper

114 100

63 18.5 0.0 37.8

88 14.9 0.0 30.2





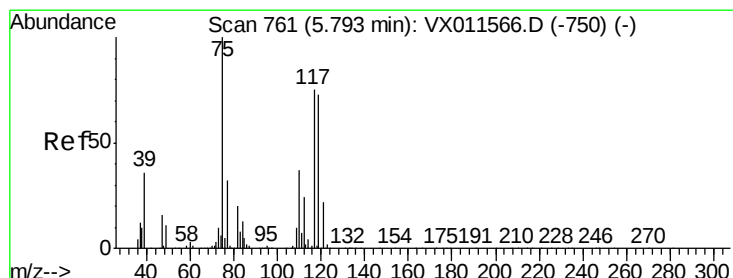
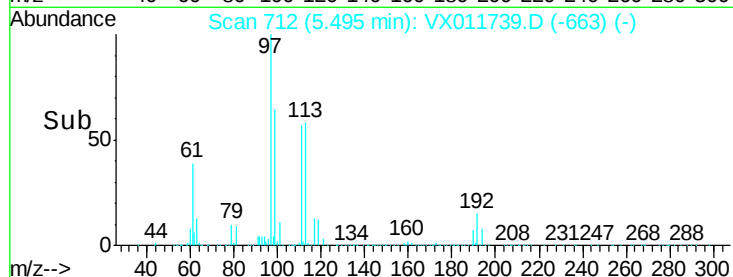
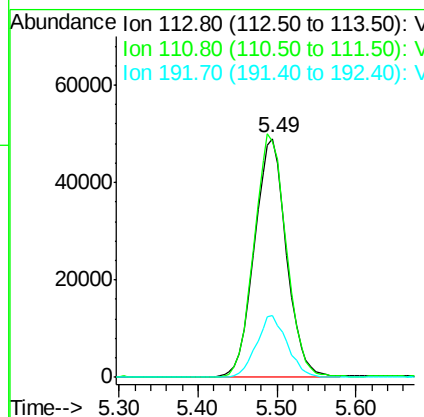
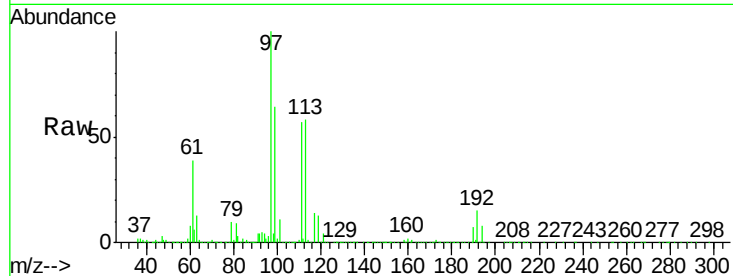
#35
 Dibromofluoromethane
 Concen: 47.042 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011739.D
 Acq: 21 Aug 2019 18:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	138388		
111	101.9	81.1	121.7	
192	25.3	20.8	31.2	

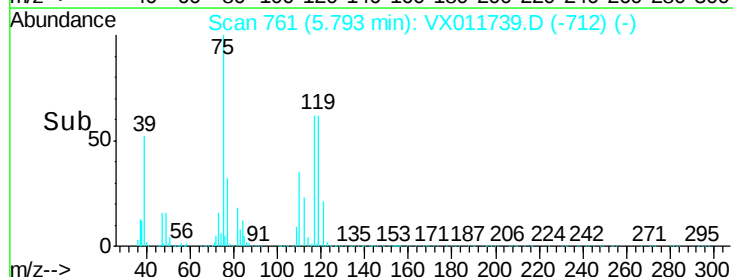
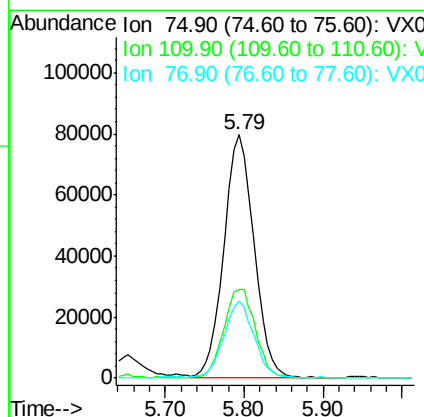
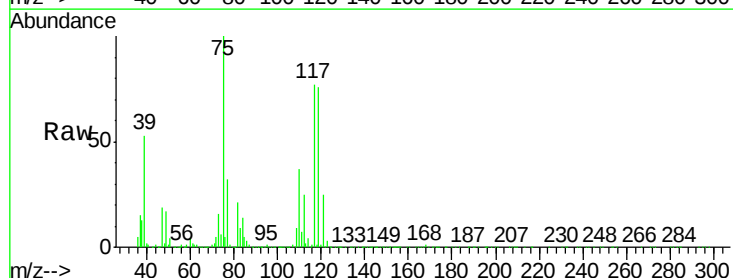
Manual Integrations
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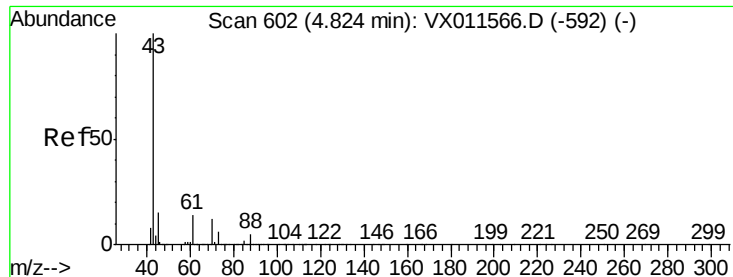
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#36
 1,1-Dichloropropene
 Concen: 55.174 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VX011739.D
 Acq: 21 Aug 2019 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	212170		
110	38.2	19.4	58.1	
77	31.5	25.1	37.7	





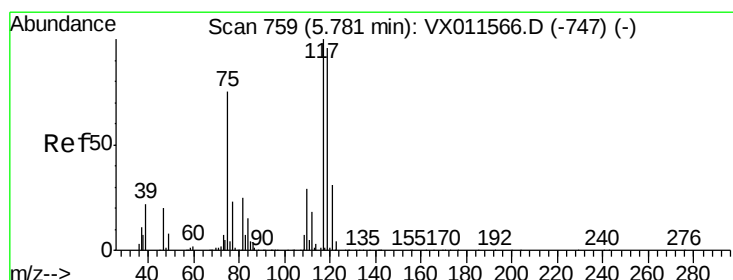
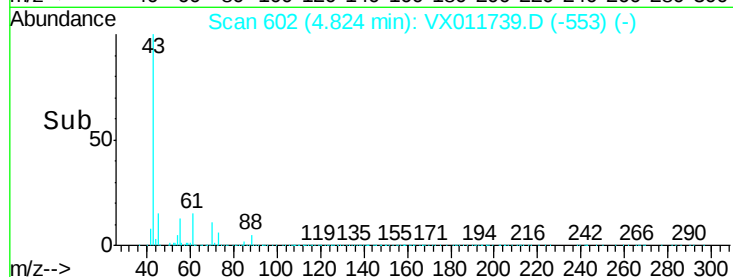
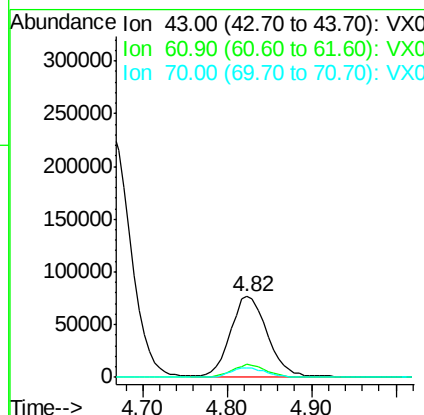
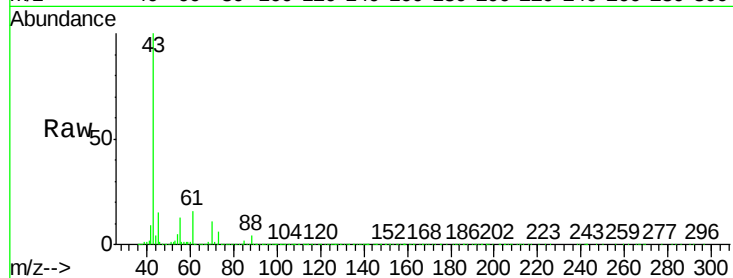
#37
Ethyl Acetate
Concen: 51.112 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	226067
Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.4	17.0
70	11.1	9.0	13.6

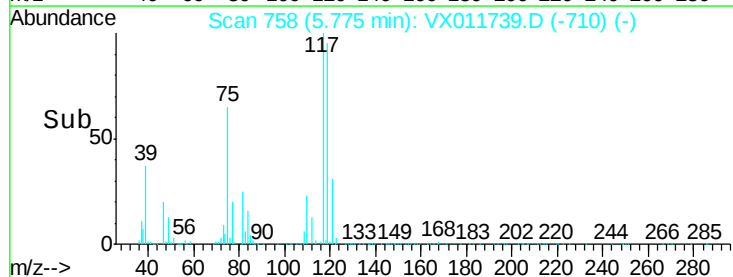
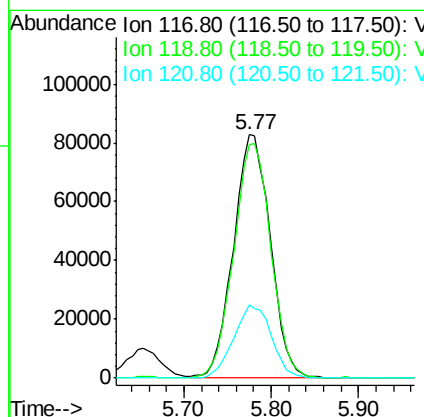
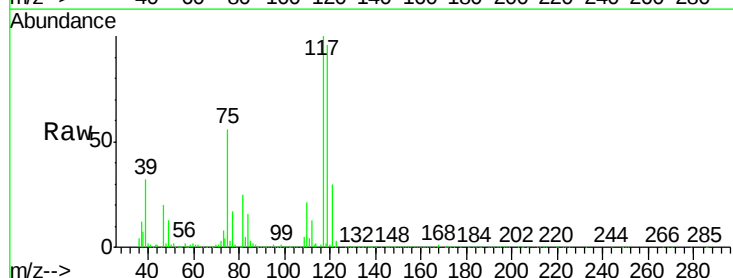
Manual Integrations
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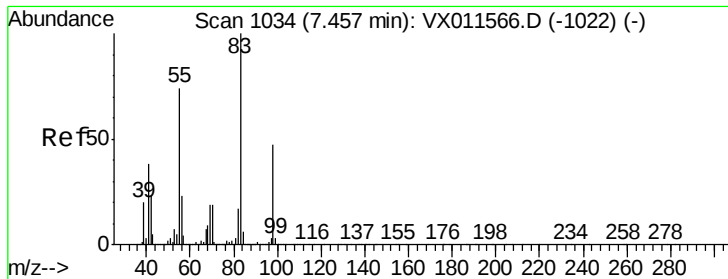
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#38
Carbon Tetrachloride
Concen: 57.182 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Tgt Ion:	117	Resp:	242263
Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.9	115.3
121	30.3	24.8	37.2





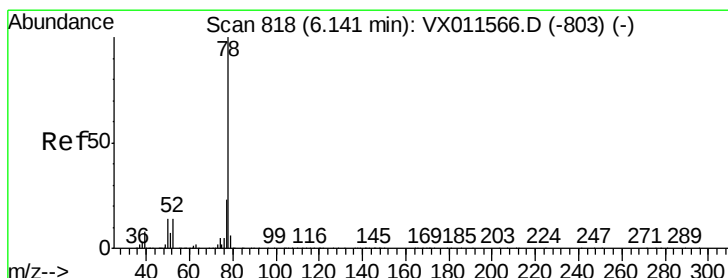
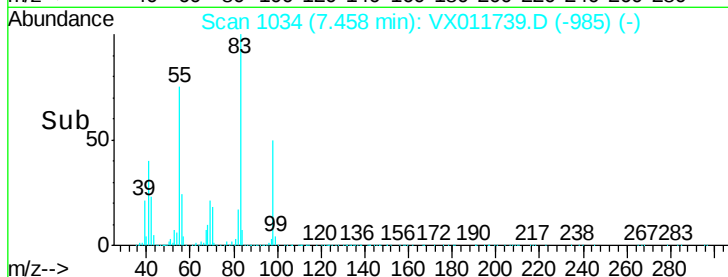
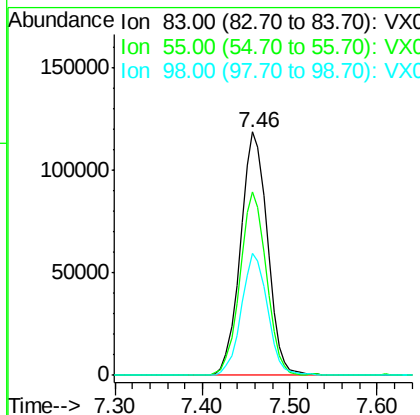
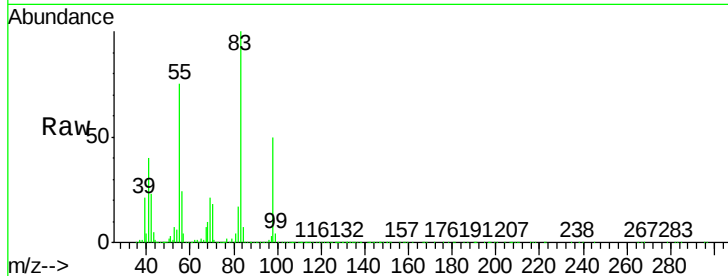
#39
Methvlcvclohexane
Concen: 53.723 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	255123		
55	74.9		58.8	88.2
98	49.9		37.8	56.6

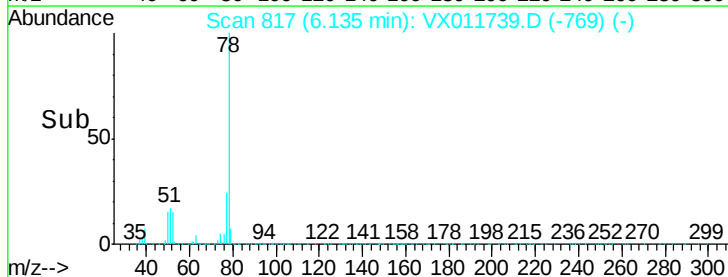
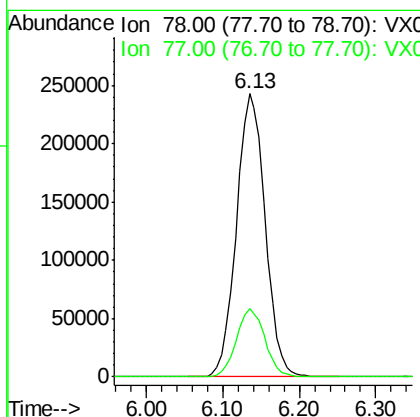
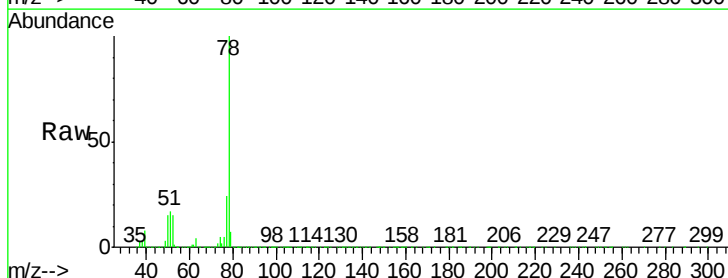
Manual Integrations
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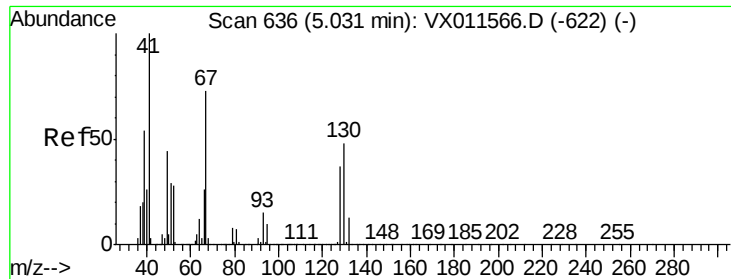
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#40
Benzene
Concen: 52.714 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	629936		
77	24.0		18.6	28.0





#41

Methacrylonitrile

Concen: 54.138 ug/l

RT: 5.03 min Scan# 636

Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

Instrument :

MSVOA_X

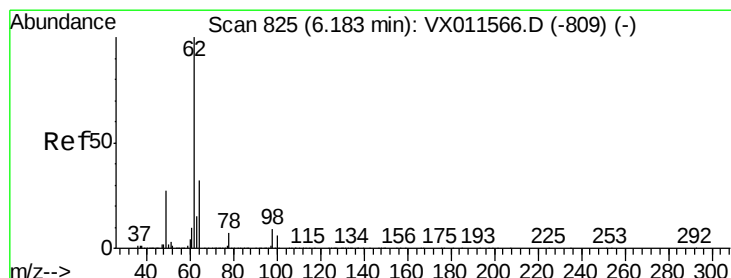
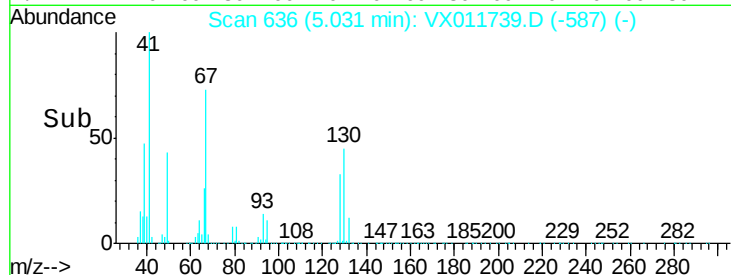
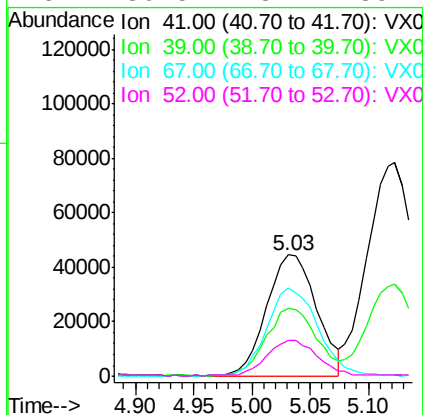
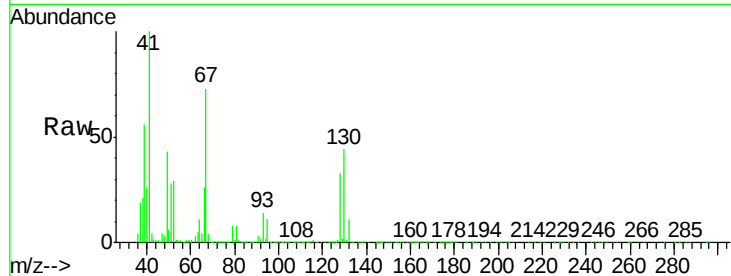
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.2	43.5	65.3
67	74.6	59.4	89.2
52	30.5	23.4	35.2

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 59.571 ug/l

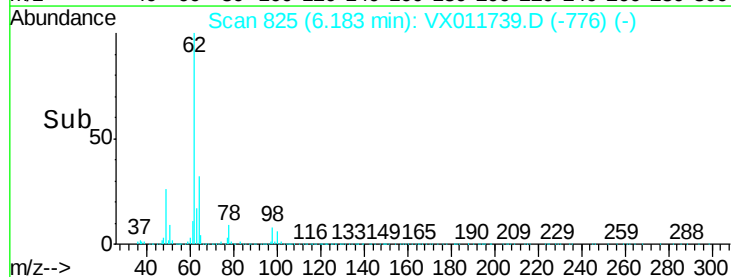
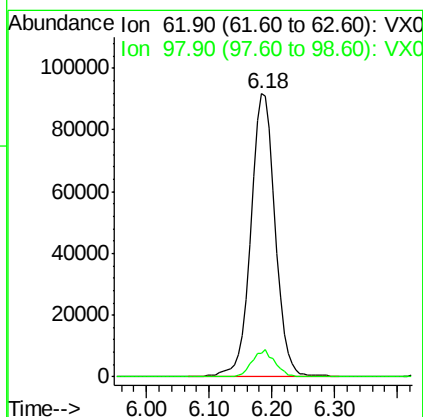
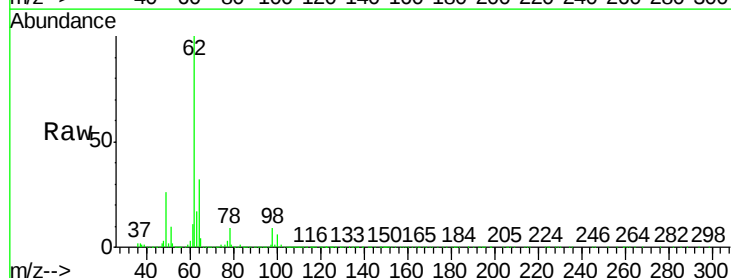
RT: 6.18 min Scan# 825

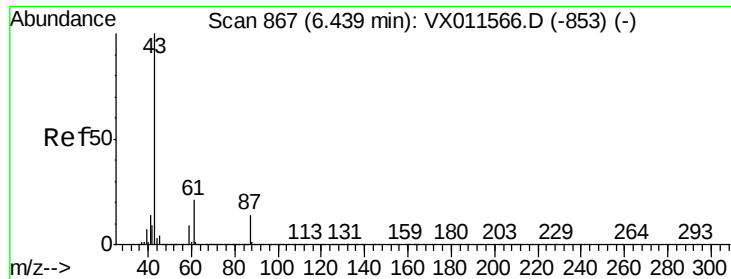
Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	19.4





#43

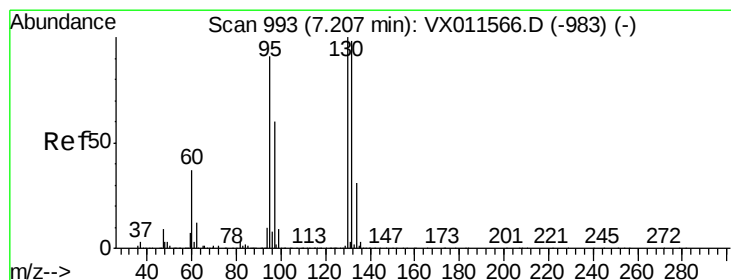
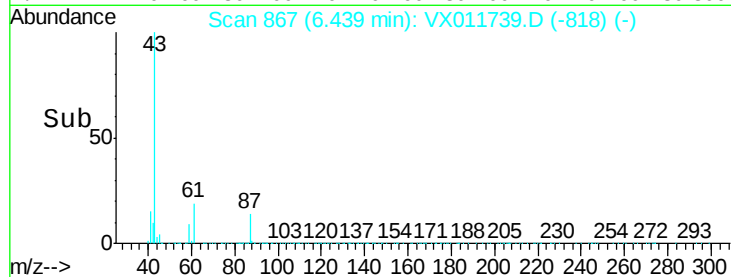
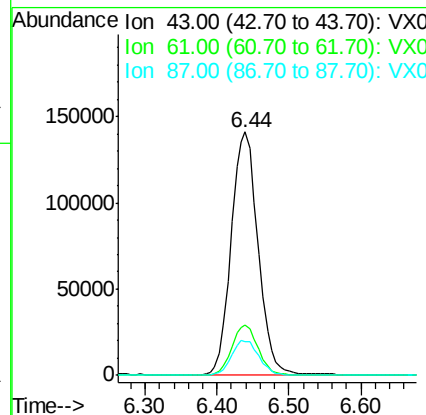
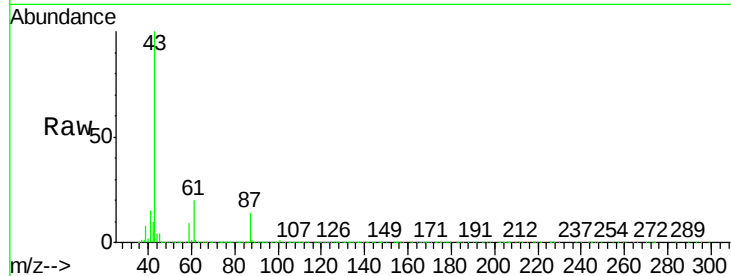
Isopropyl Acetate
 Concen: 52.843 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: VX011739.D
 Acq: 21 Aug 2019 18:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	16.6	24.8
87	14.7	11.4	17.2

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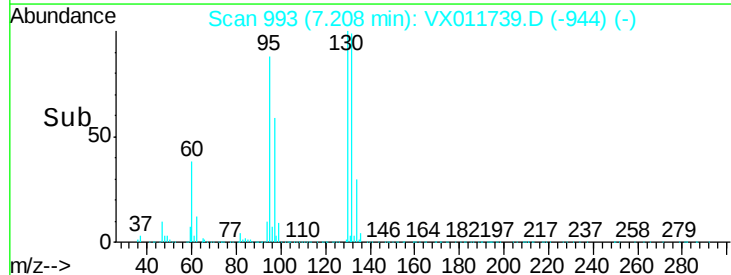
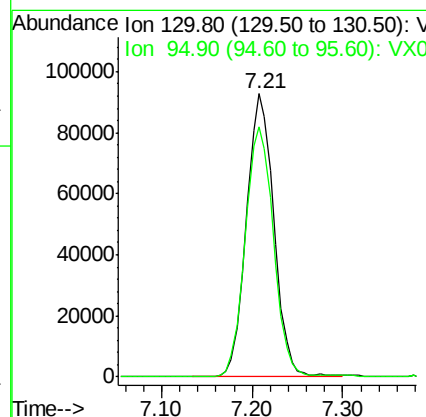
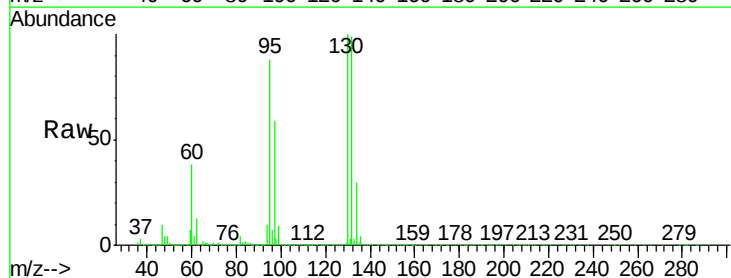
MMDadoda
 8/22/2019 10:01:35 AM

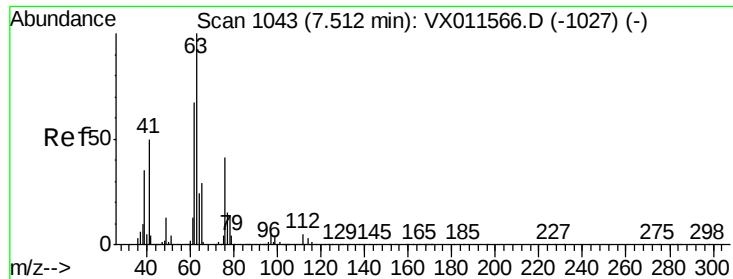


#44

Trichloroethene
 Concen: 54.754 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011739.D
 Acq: 21 Aug 2019 18:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.3	0.0	181.4





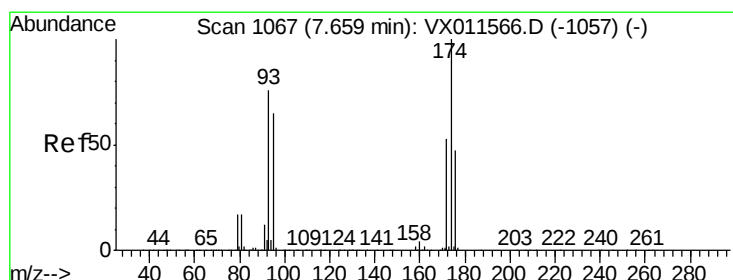
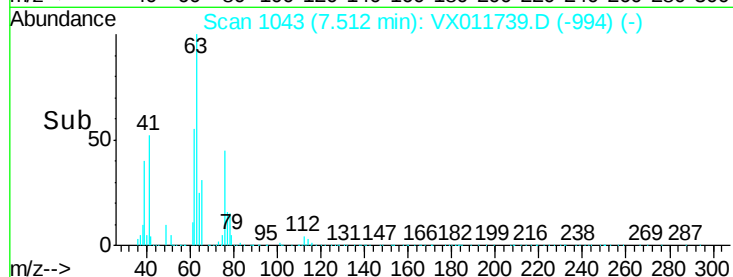
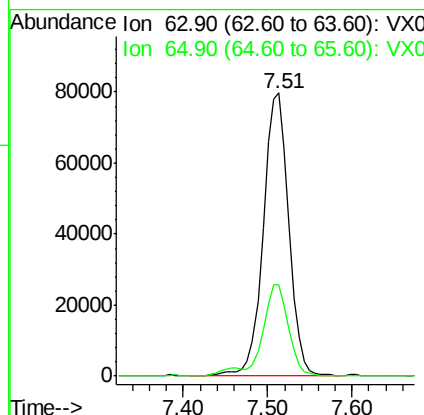
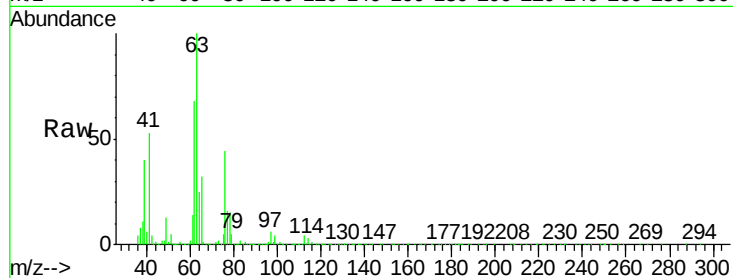
#45
 1,2-Dichloropropane
 Concen: 55.507 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX011739.D
 Acq: 21 Aug 2019 18:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	23.4	35.2

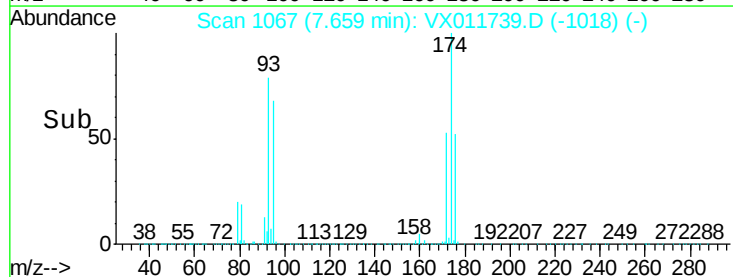
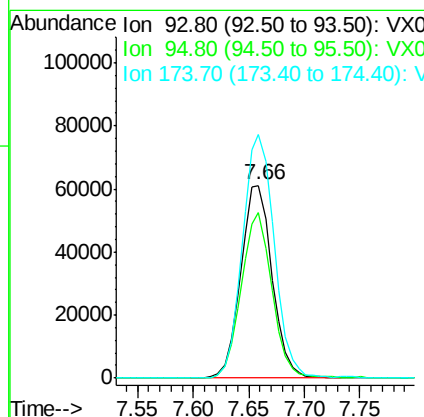
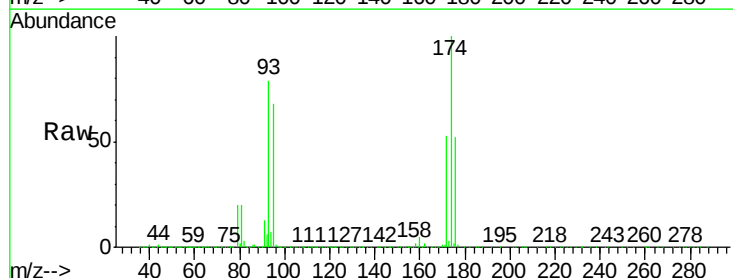
Manual Integrations
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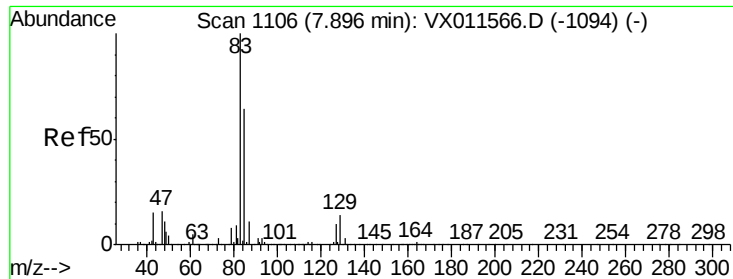
MMDadoda
 8/22/2019 10:01:35 AM



#46
 Dibromomethane
 Concen: 54.838 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011739.D
 Acq: 21 Aug 2019 18:38

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.7	67.2	100.8
174	128.1	105.5	158.3





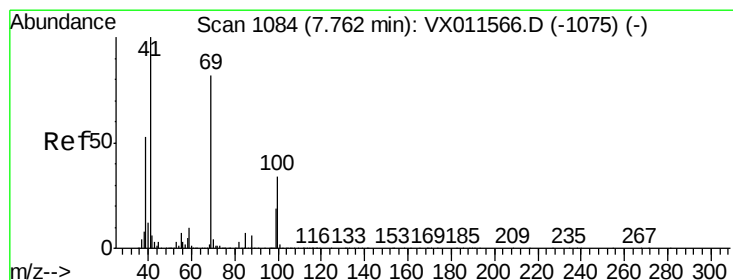
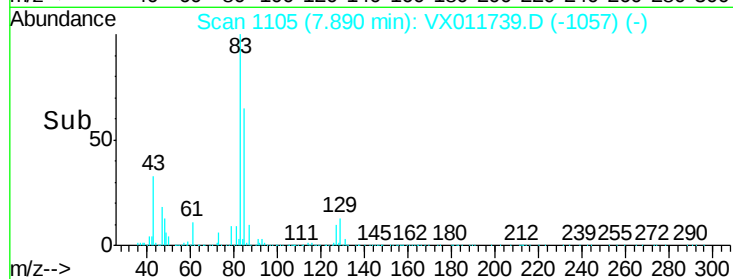
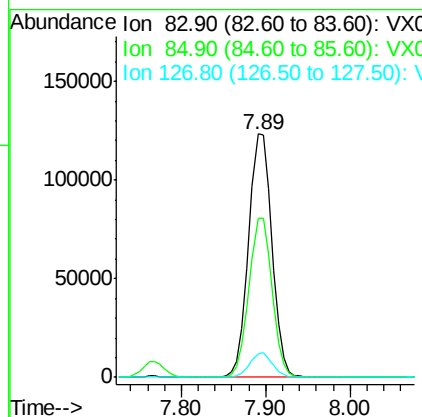
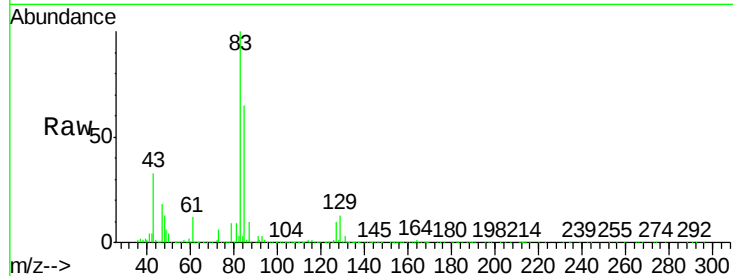
#47
Bromodichloromethane
Concen: 57.610 ug/l
RT: 7.89 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	229089		
85	65.0	51.2	76.8	
127	9.5	8.1	12.1	

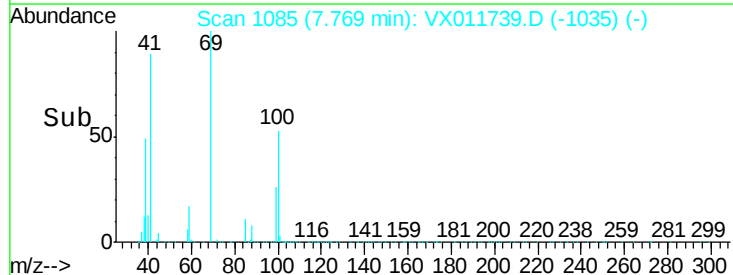
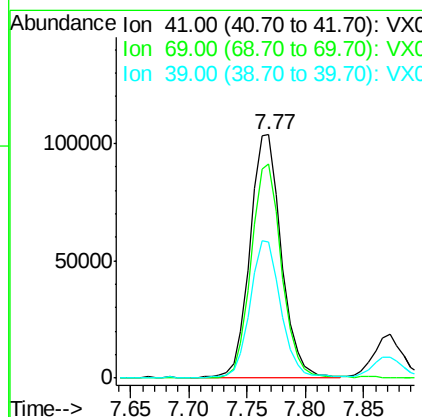
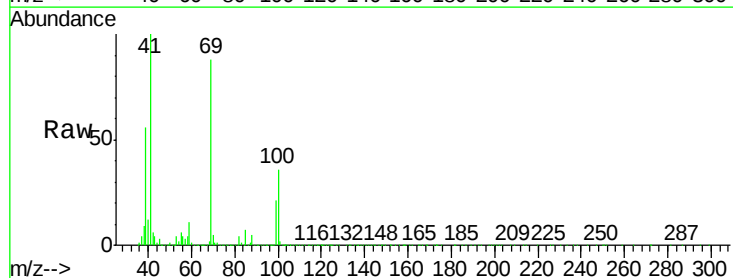
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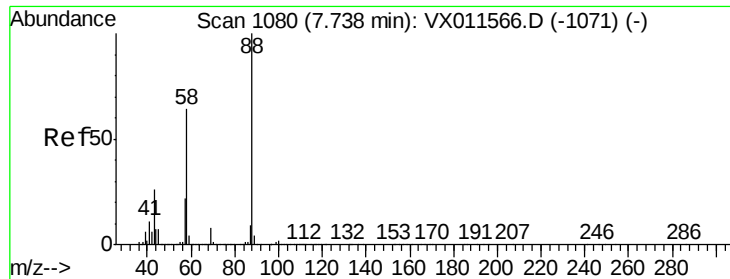
MMDadoda
8/22/2019 10:01:35 AM



#48
Methyl methacrylate
Concen: 56.874 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.01 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	194412		
69	86.4	67.9	101.9	
39	55.4	41.6	62.4	





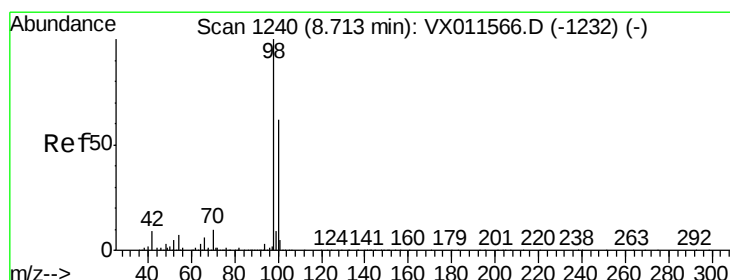
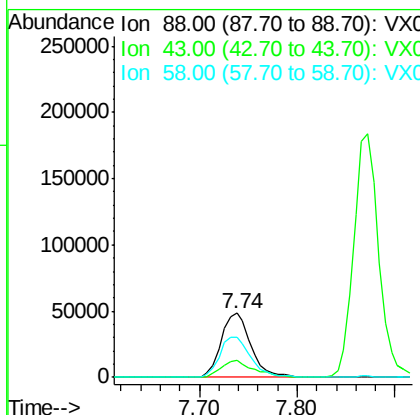
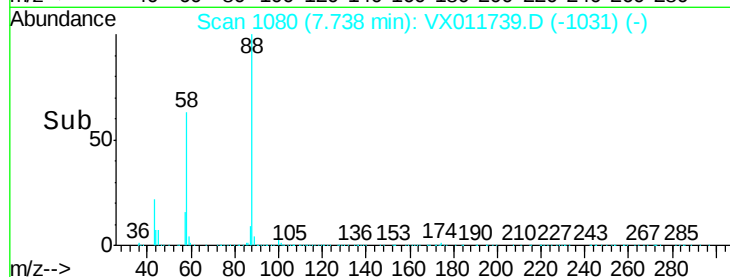
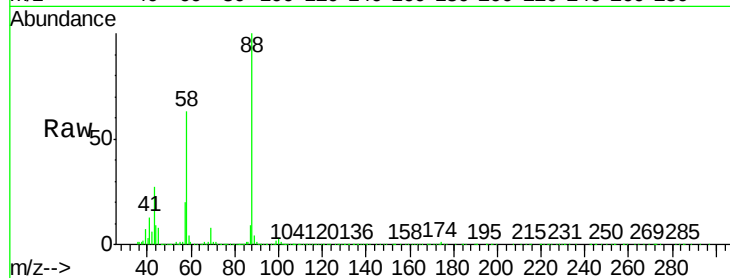
#49
1,4-Dioxane
Concen: 1106.180 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.7	23.4	35.0
58	66.8	54.3	81.5

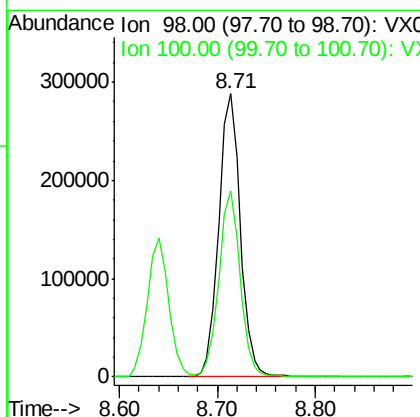
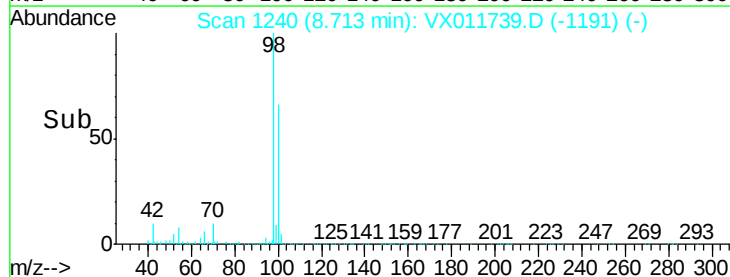
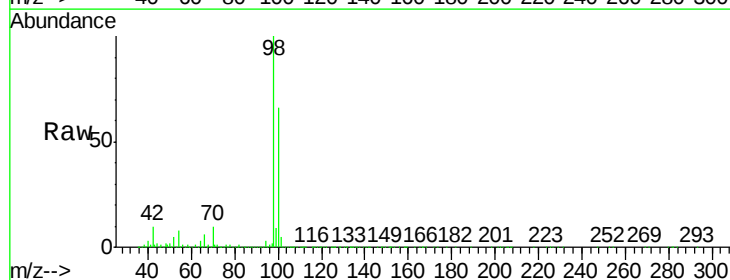
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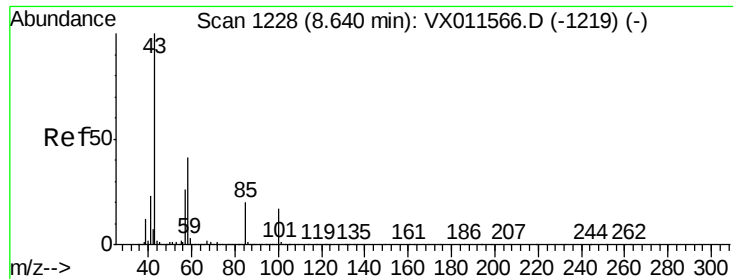
MMDadoda
8/22/2019 10:01:35 AM



#50
Toluene-d8
Concen: 48.262 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 284.579 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1285743

Ion Ratio Lower Upper

43 100

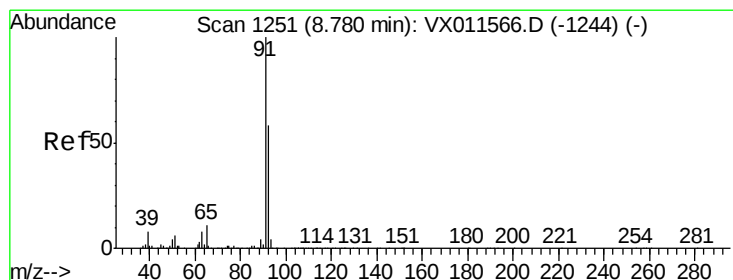
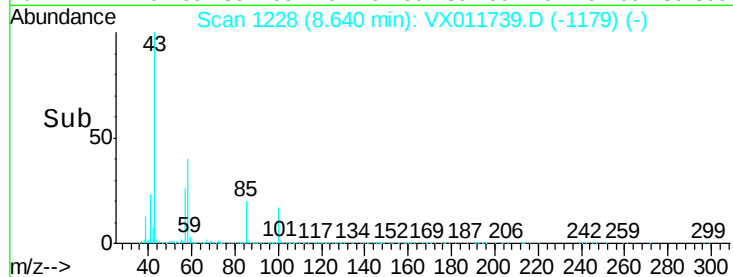
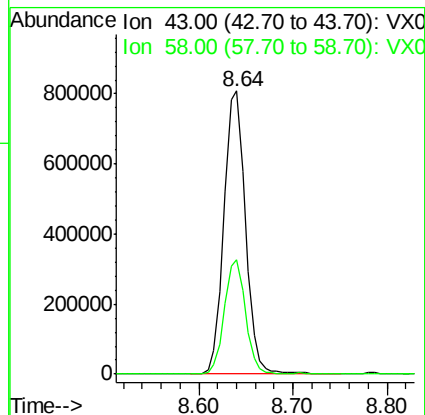
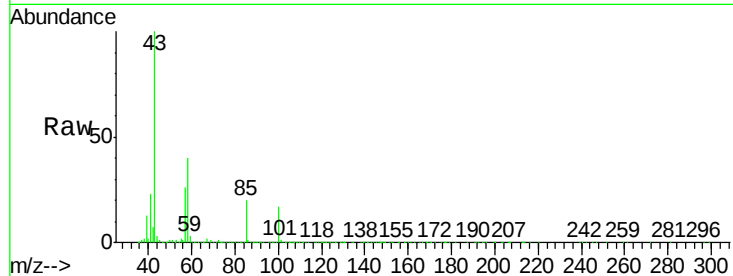
58 39.6 31.8 47.6

Manual Integrations

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MMDadoda

8/22/2019 10:01:35 AM



#52

Toluene

Concen: 55.615 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011739.D

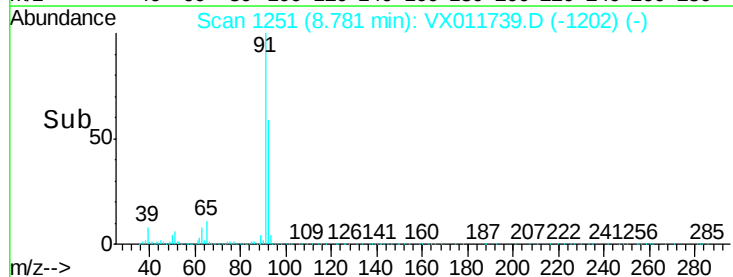
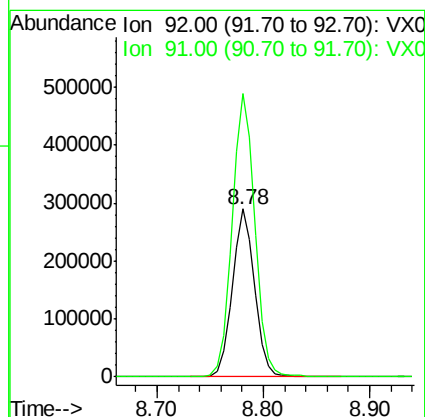
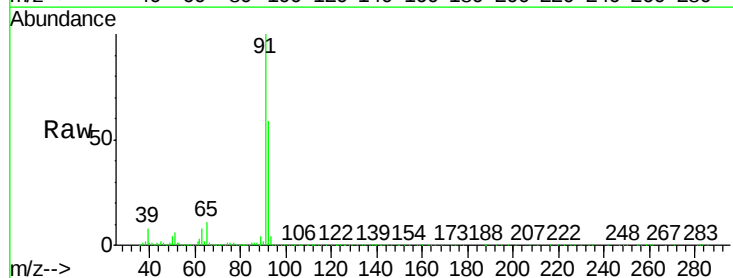
Acq: 21 Aug 2019 18:38

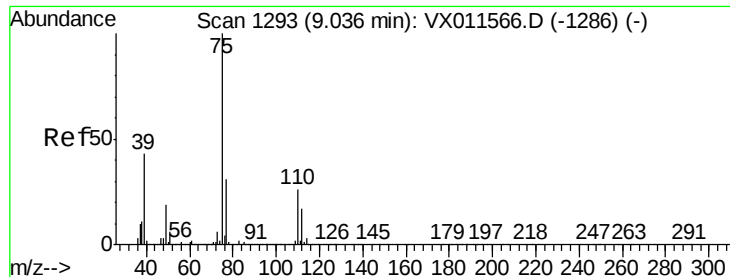
Tgt Ion: 92 Resp: 423408

Ion Ratio Lower Upper

92 100

91 172.9 138.0 207.0





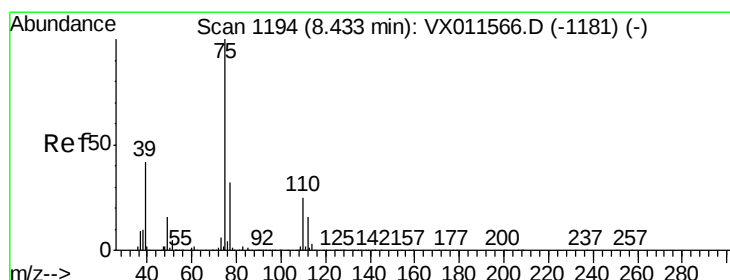
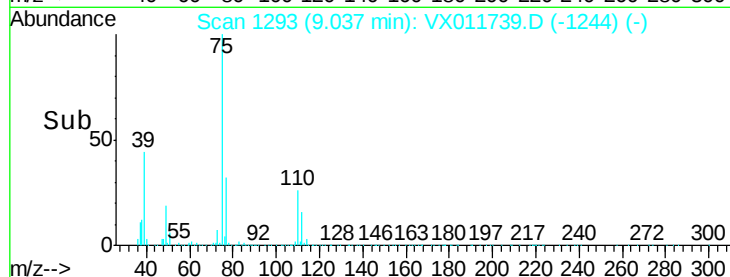
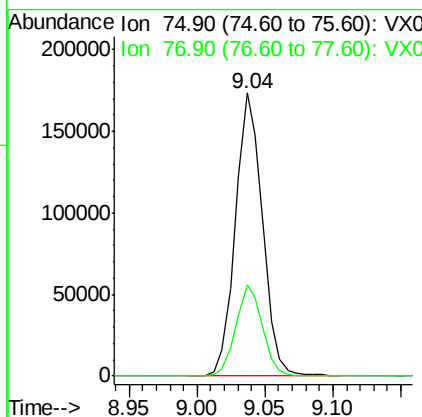
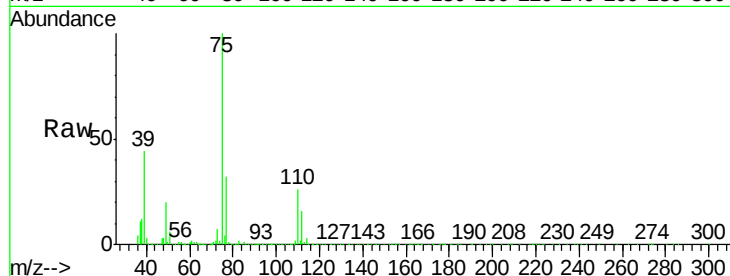
#53
t-1,3-Dichloropropene
Concen: 58.190 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100	240150		
77	32.1	25.1	37.7	

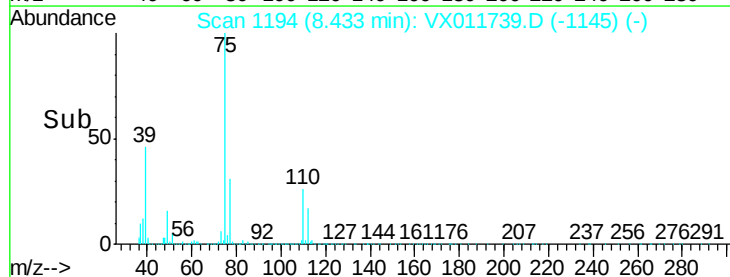
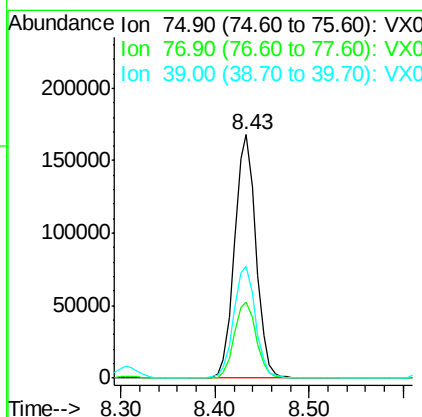
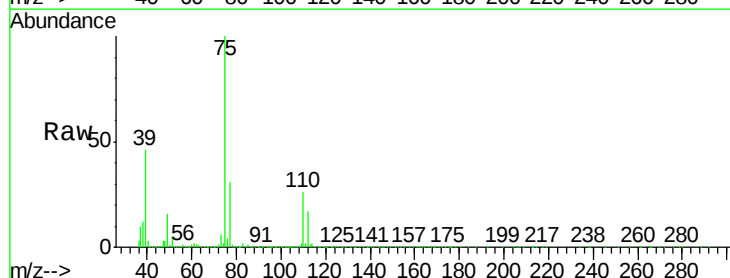
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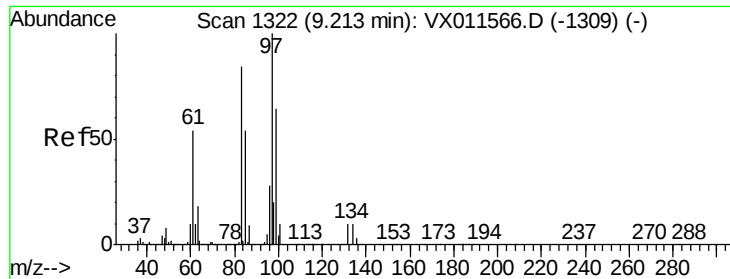
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 58.412 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	263814		
77	31.2	25.5	38.3	
39	45.9	33.6	50.4	





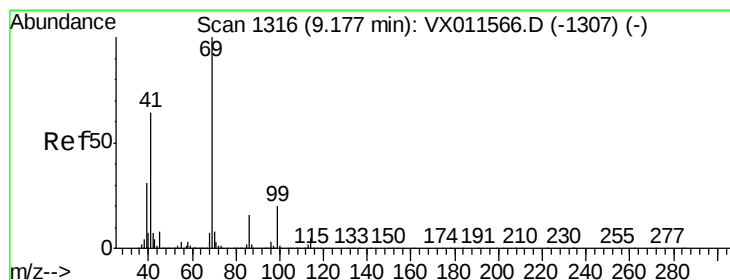
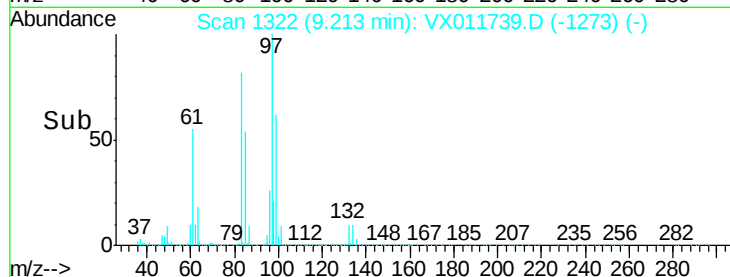
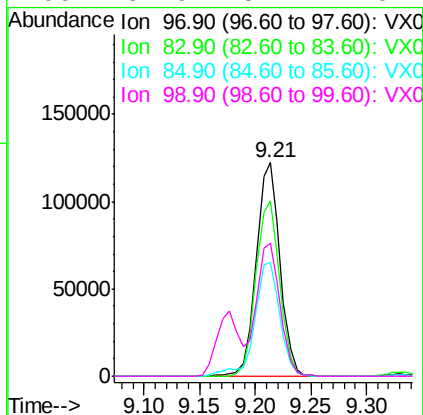
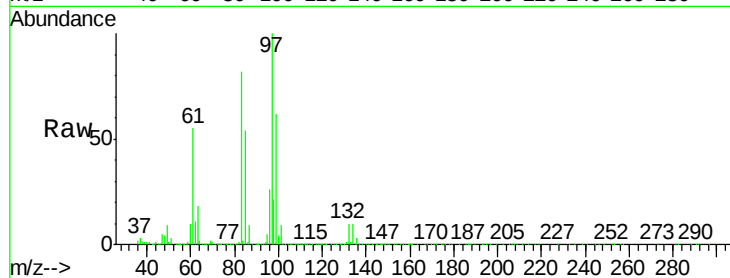
#55
 1,1,2-Trichloroethane
 Concen: 55.830 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011739.D
 Acq: 21 Aug 2019 18:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		180752		
83	82.1	67.4	101.0		
85	53.5	43.4	65.2		
99	61.9	51.1	76.7		

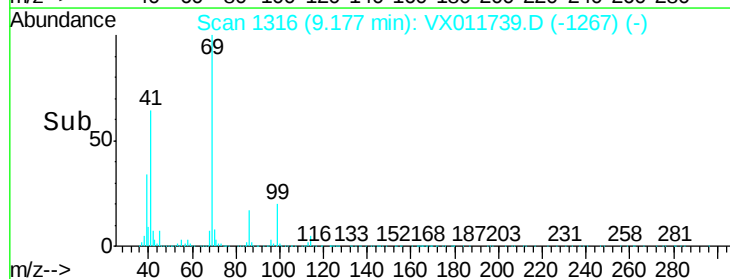
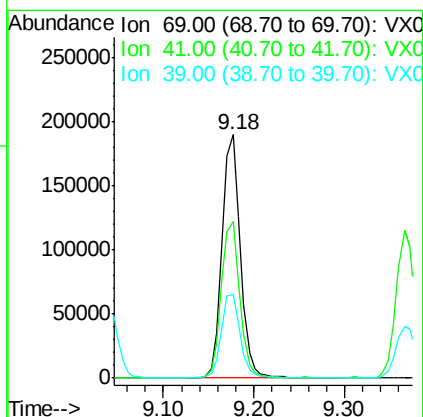
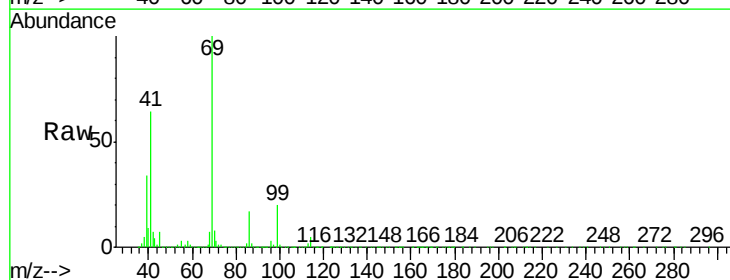
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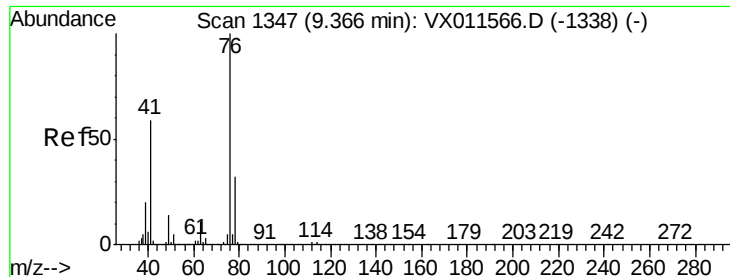
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 56.711 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011739.D
 Acq: 21 Aug 2019 18:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		266856		
41	64.7	52.1	78.1		
39	35.1	25.4	38.0		





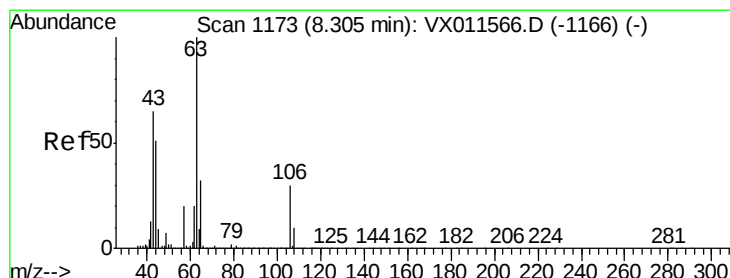
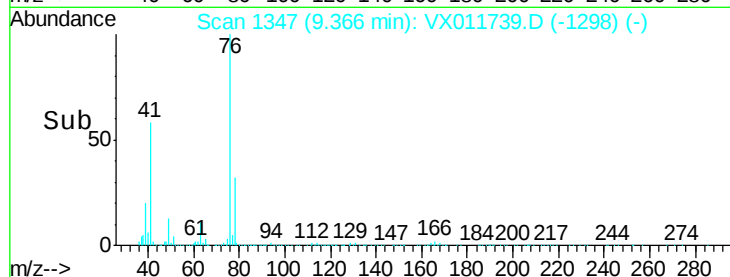
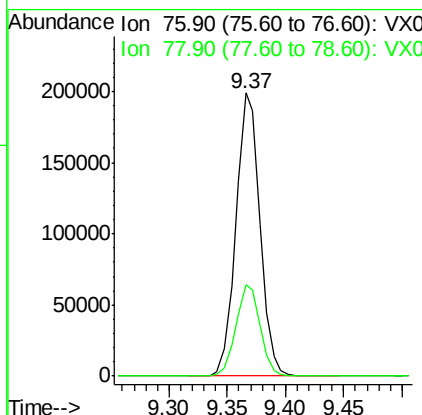
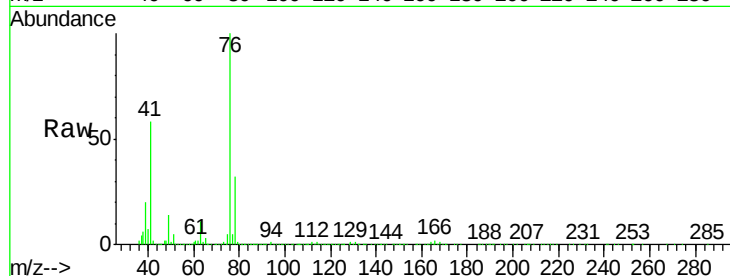
#57
 1,3-Dichloropropane
 Concen: 55.654 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011739.D
 Acq: 21 Aug 2019 18:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.2	39.4

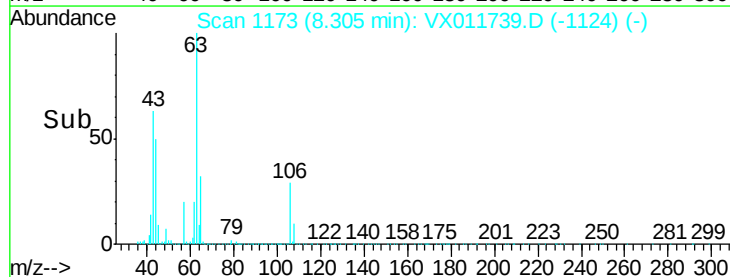
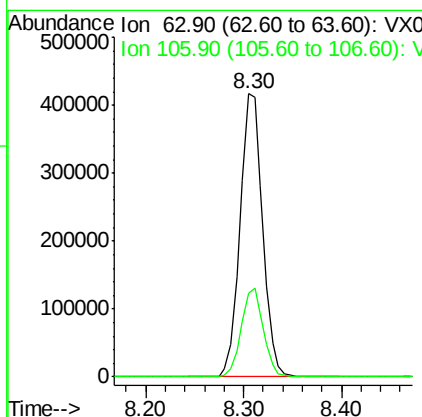
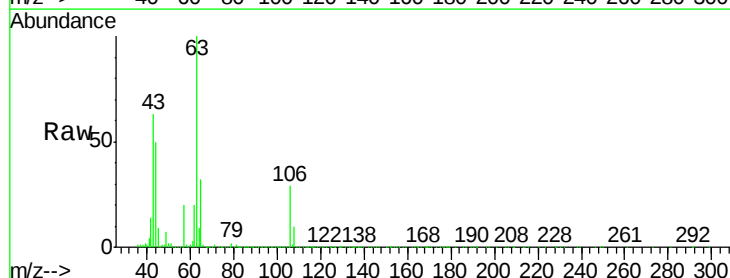
Manual Integrations
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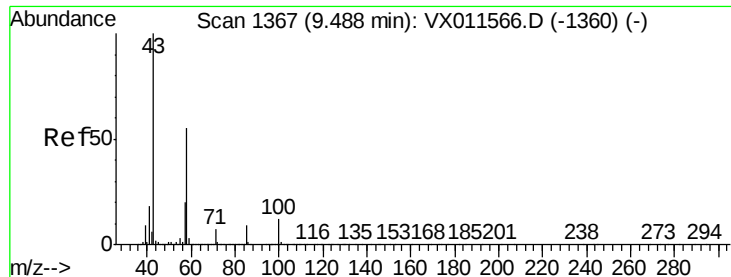
MMDadoda
 8/22/2019 10:01:35 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 282.806 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011739.D
 Acq: 21 Aug 2019 18:38

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.6	24.7	37.1





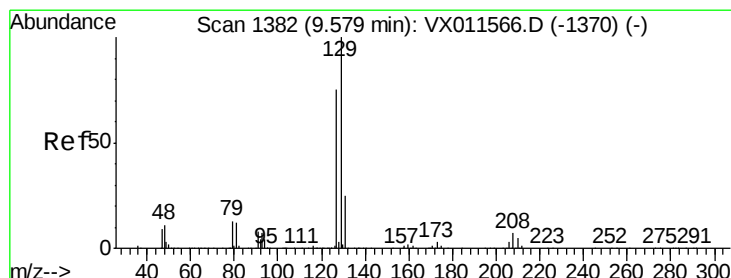
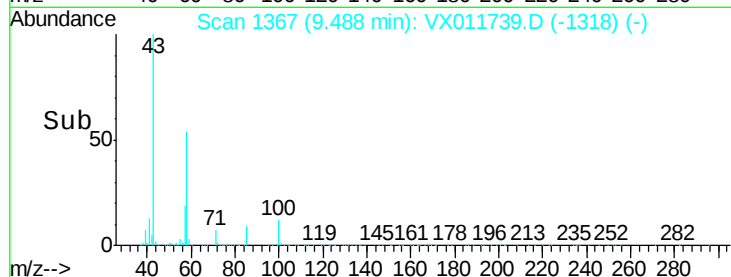
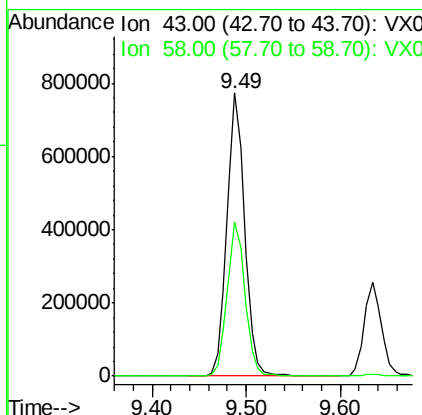
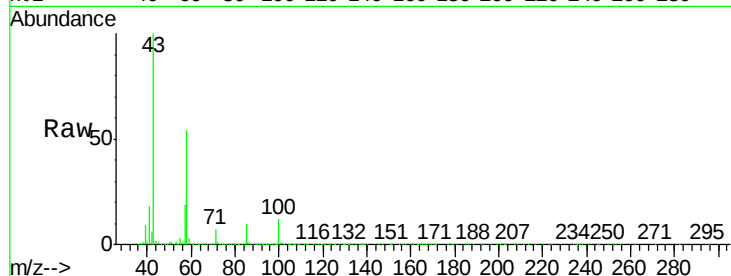
#59
2-Hexanone
Concen: 290.142 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1010890
Ion Ratio Lower Upper
43 100
58 55.0 27.5 82.4

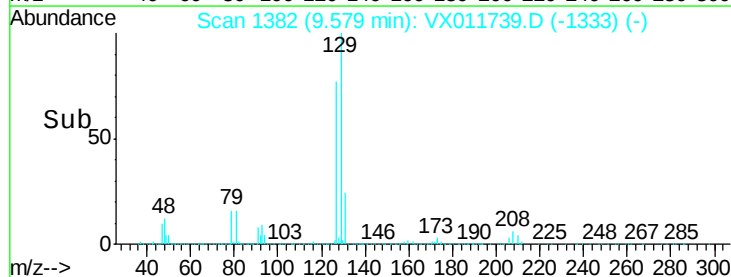
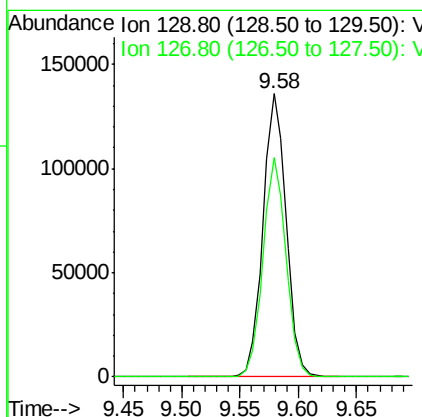
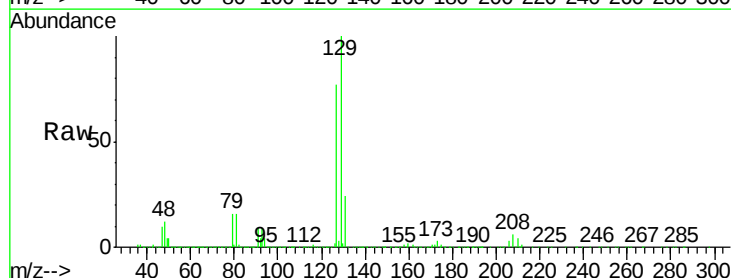
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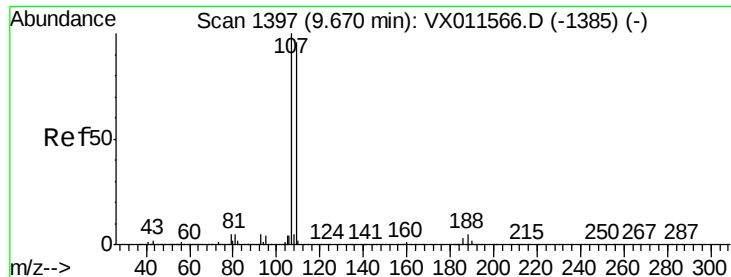
MMDadoda
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#60
Dibromochloromethane
Concen: 56.054 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Tgt Ion: 129 Resp: 189080
Ion Ratio Lower Upper
129 100
127 77.3 38.0 114.1





#61

1,2-Dibromoethane

Concen: 54.170 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 187172

Ion Ratio Lower Upper

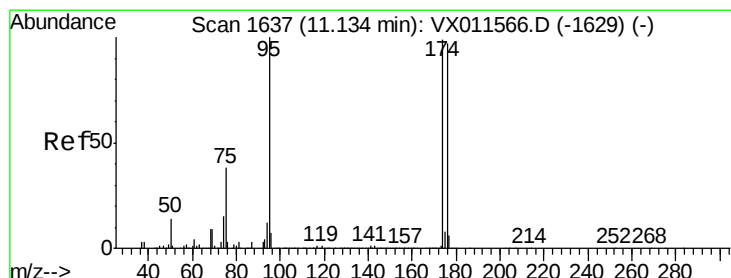
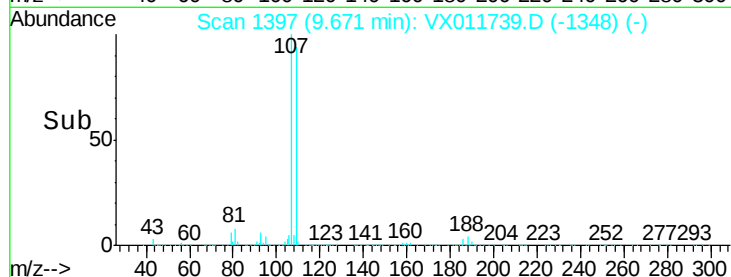
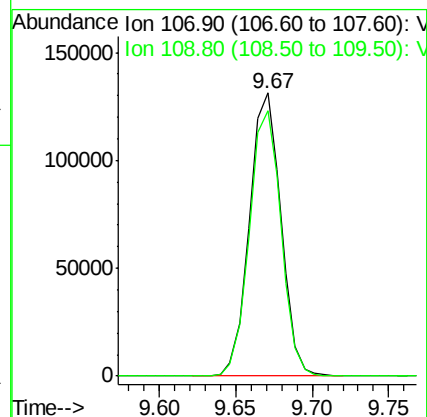
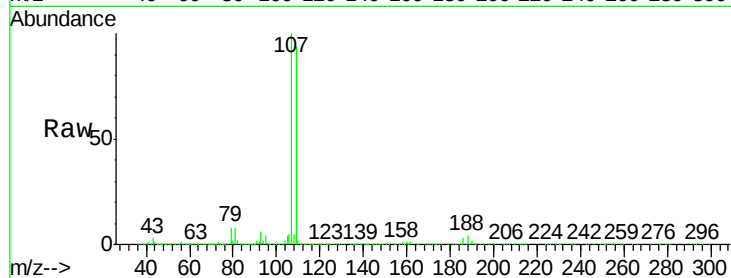
107 100

109 94.6 76.2 114.2

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#62

4-Bromofluorobenzene

Concen: 48.950 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

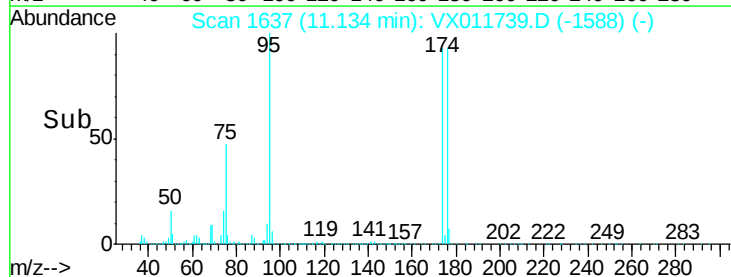
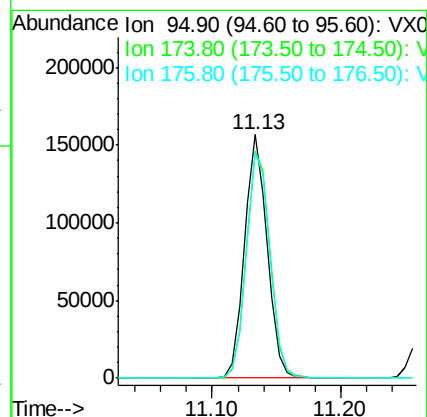
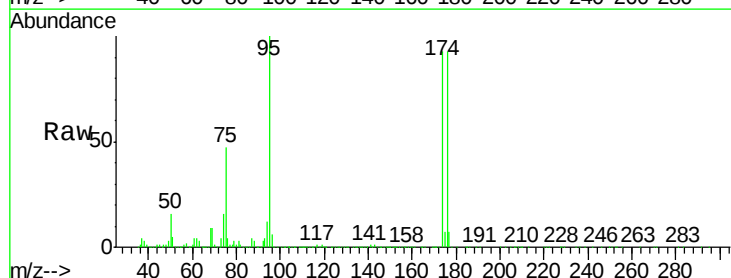
Tgt Ion: 95 Resp: 189382

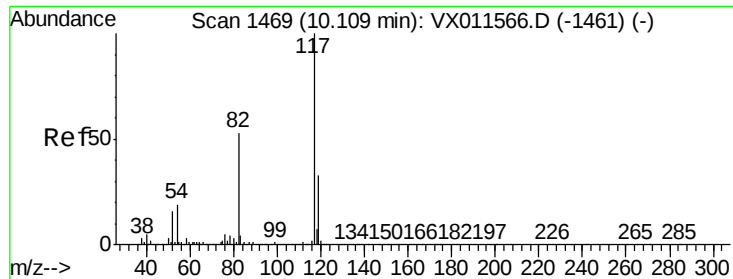
Ion Ratio Lower Upper

95 100

174 98.5 0.0 200.6

176 96.3 0.0 196.6





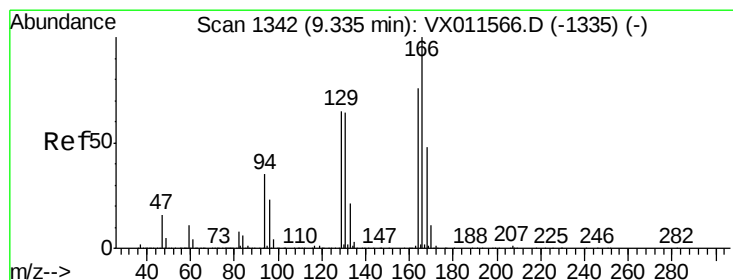
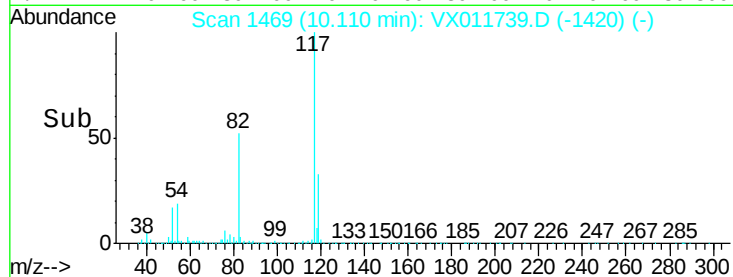
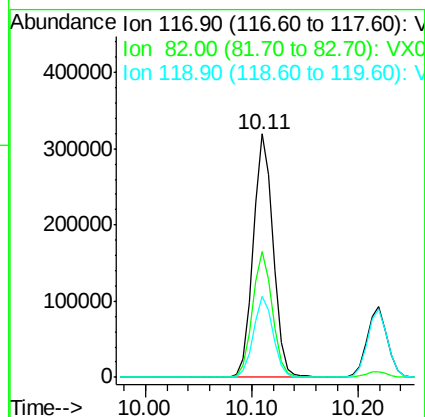
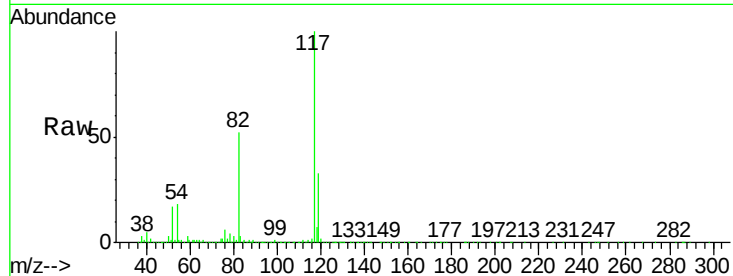
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	419752		
82	51.8	42.0	63.0	
119	33.3	26.5	39.7	

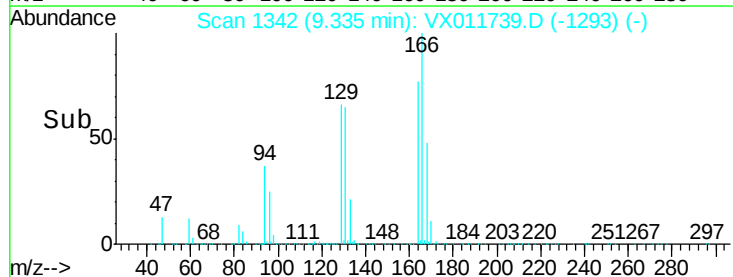
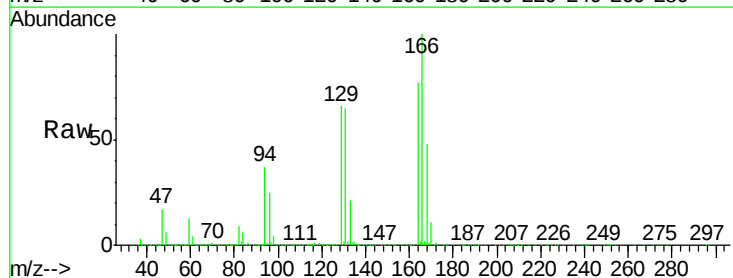
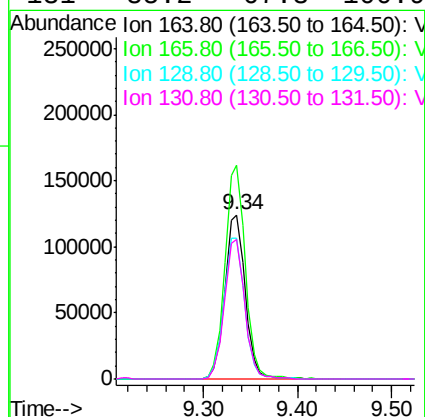
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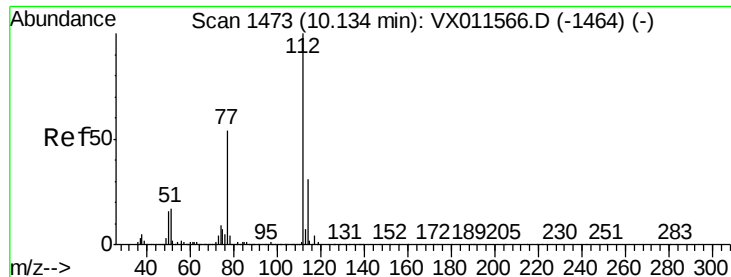
MMDadoda
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#64
Tetrachloroethene
Concen: 54.252 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	186843		
166	130.1	104.7	157.1	
129	85.8	68.2	102.4	
131	85.2	67.3	100.9	





#65

Chlorobenzene

Concen: 51.788 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 463651

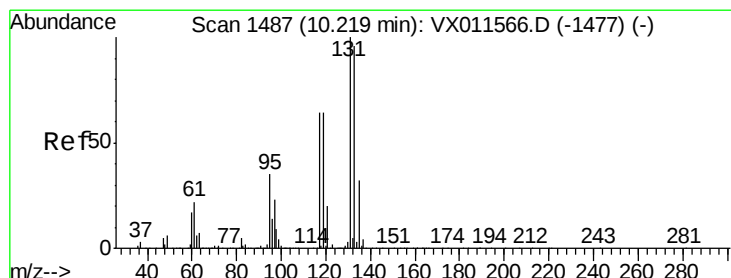
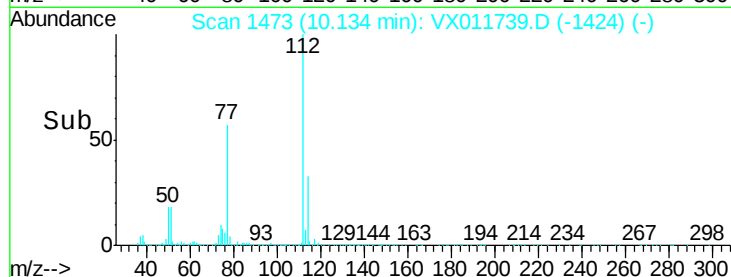
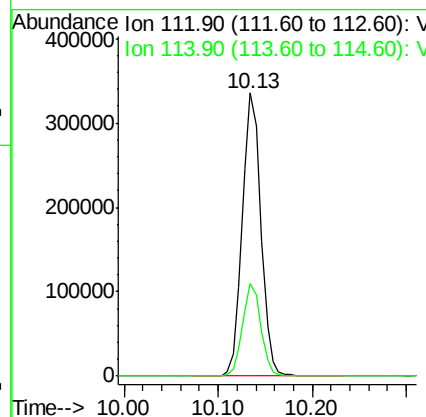
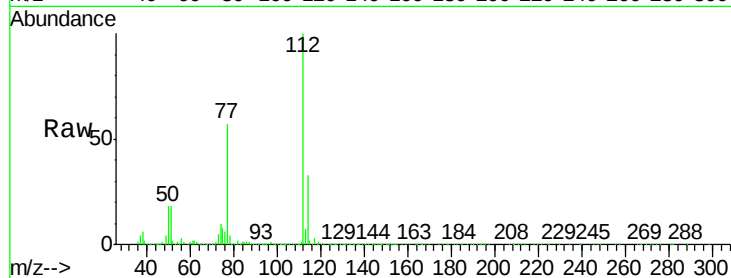
Ion Ratio Lower Upper

112 100

114 32.9 25.0 37.6

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#66

1,1,1,2-Tetrachloroethane

Concen: 57.124 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

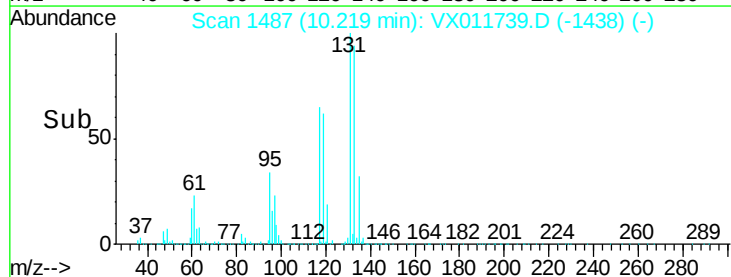
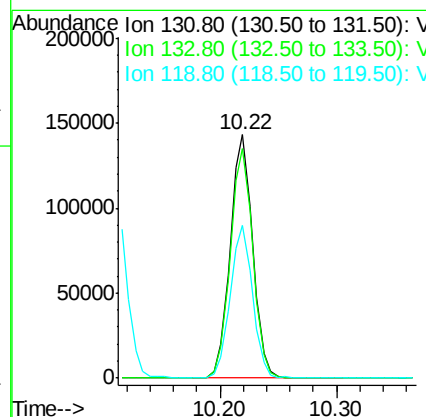
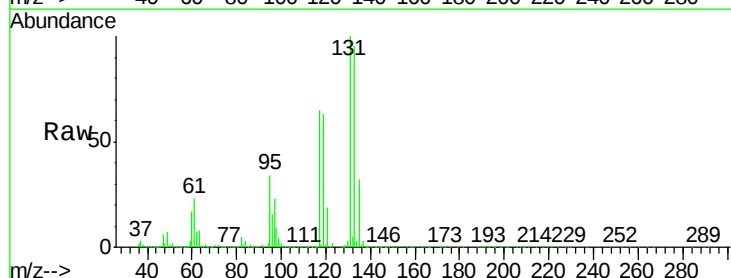
Tgt Ion:131 Resp: 191153

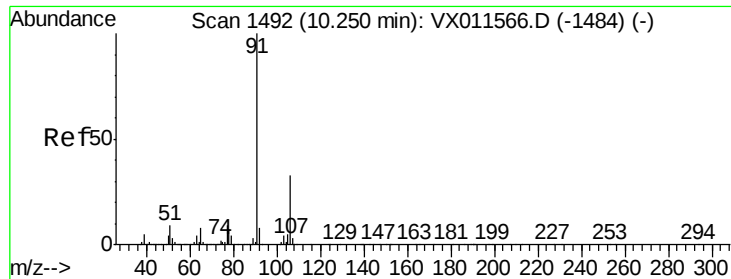
Ion Ratio Lower Upper

131 100

133 94.9 48.1 144.4

119 62.3 31.3 93.8





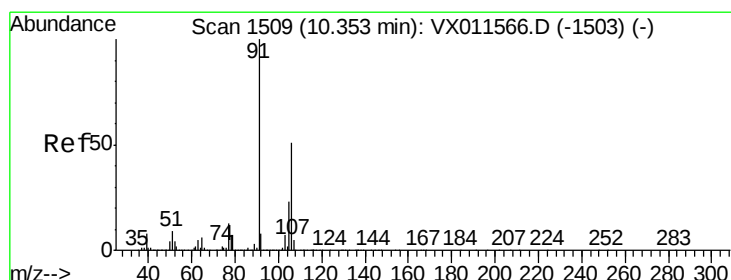
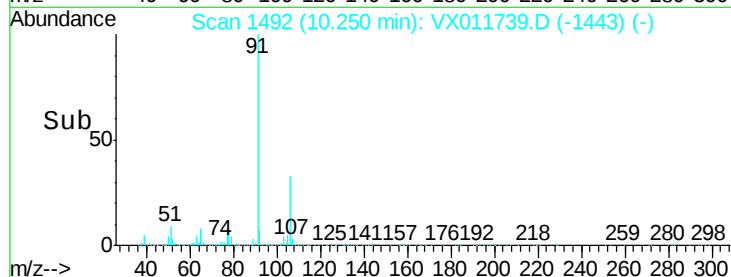
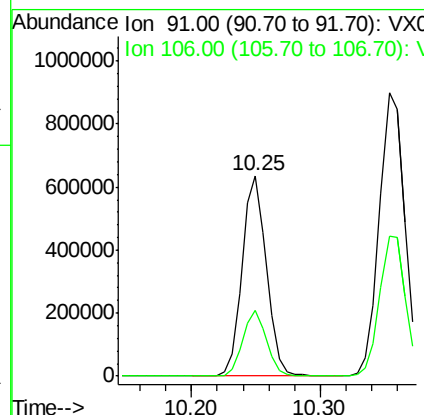
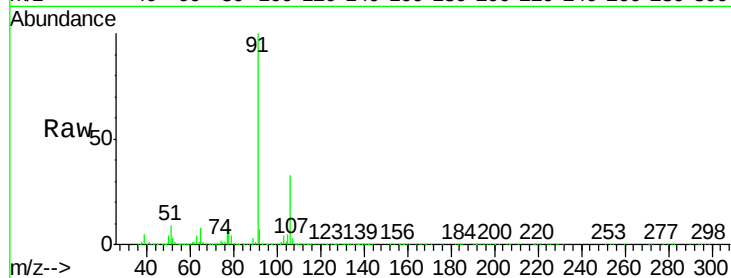
#67
Ethyl Benzene
Concen: 55.707 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 832350
Ion Ratio Lower Upper
91 100
106 32.8 26.0 39.0

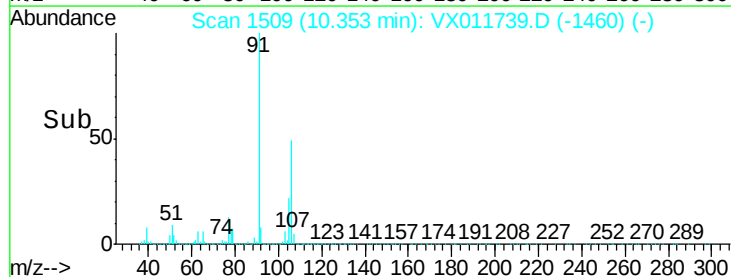
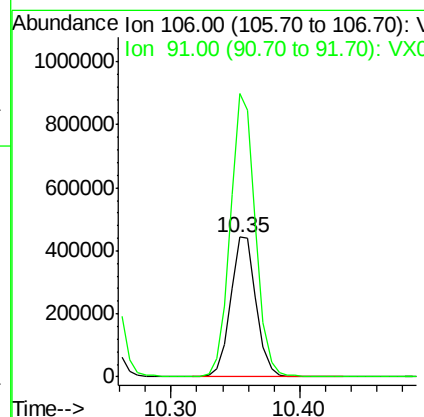
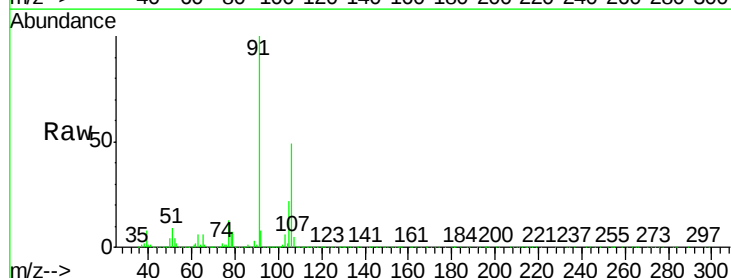
Manual Integrations
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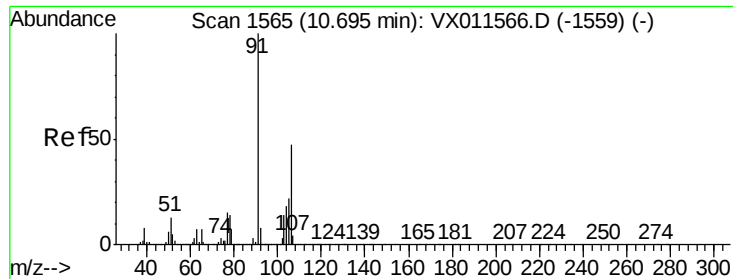
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#68
m/p-Xylenes
Concen: 107.136 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Tgt Ion: 106 Resp: 614463
Ion Ratio Lower Upper
106 100
91 199.6 156.0 234.0





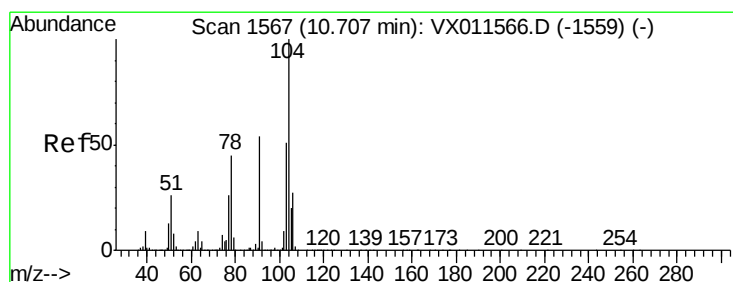
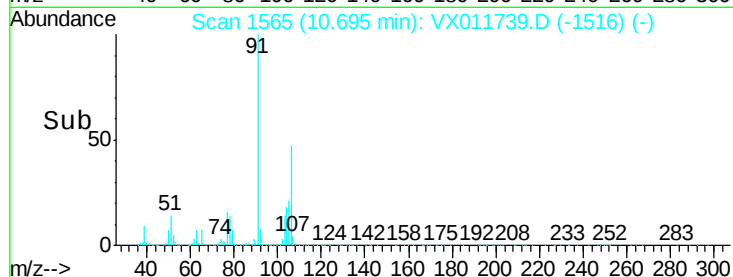
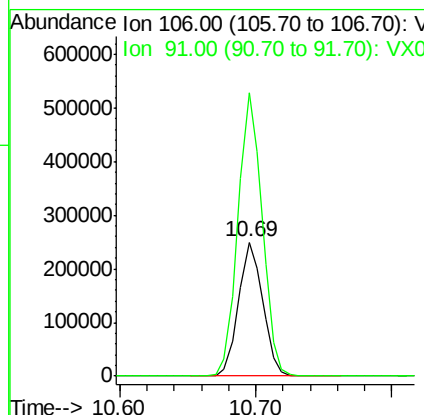
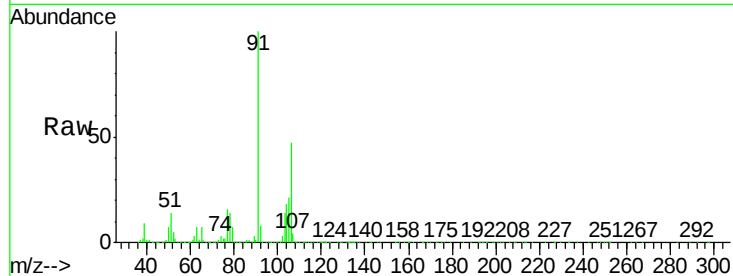
#69
o-Xylene
Concen: 55.363 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	311030		
91	211.1	105.5	316.4	

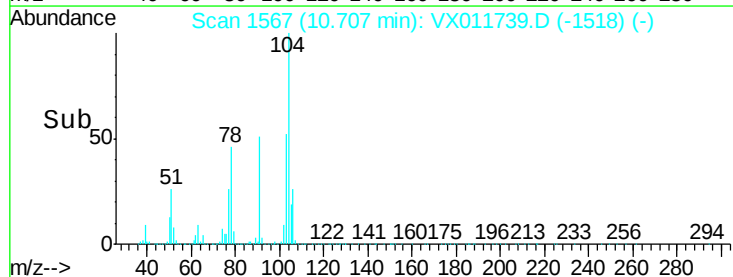
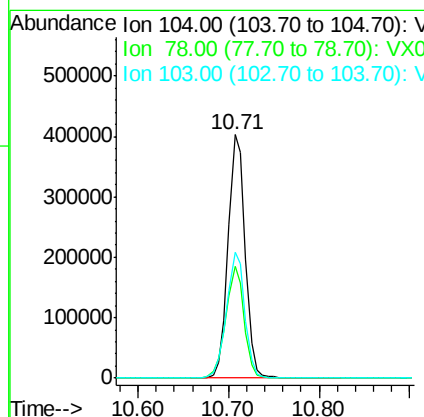
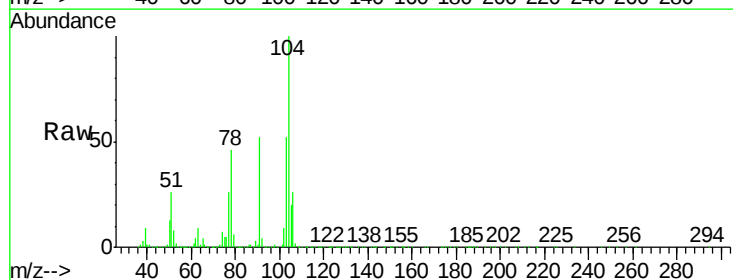
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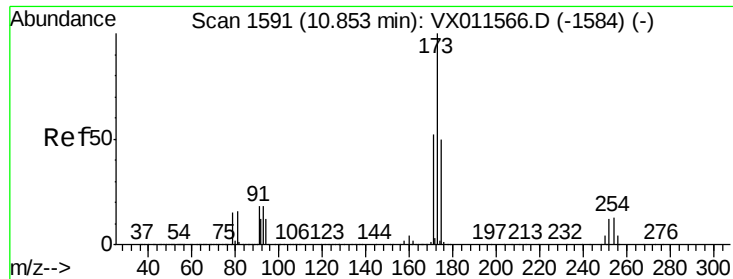
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#70
Styrene
Concen: 55.834 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	528049		
78	49.1	38.2	57.4	
103	55.6	43.6	65.4	





#71

Bromoform

Concen: 49.721 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

Instrument :

MSVOA_X

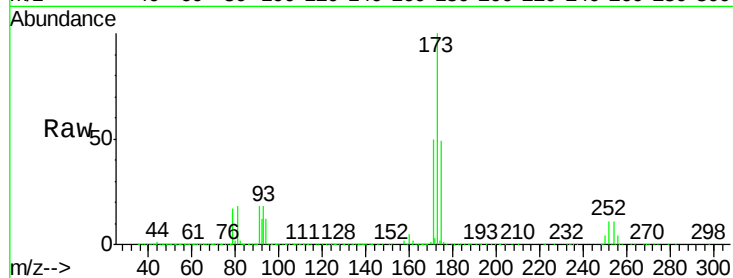
ClientSampleId :

VSTDCCC050

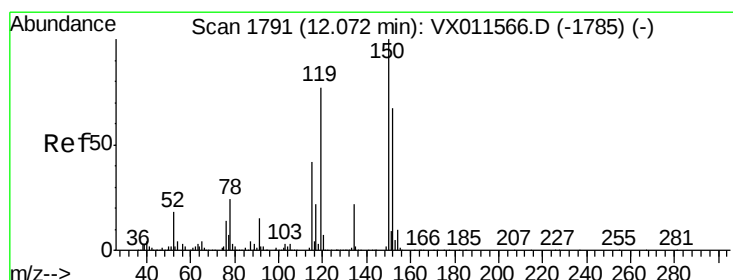
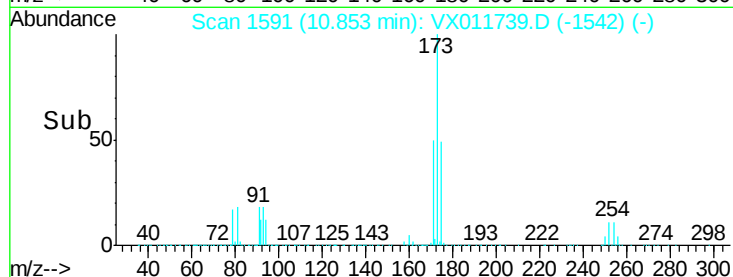
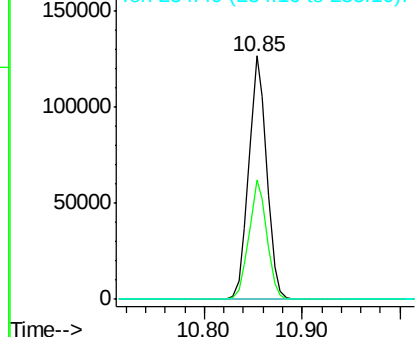
Tot Ion:	173	Resp:	161621
Ion Ratio	Lower	Upper	
173	100		
175	48.6	24.9	74.7
254	0.3	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

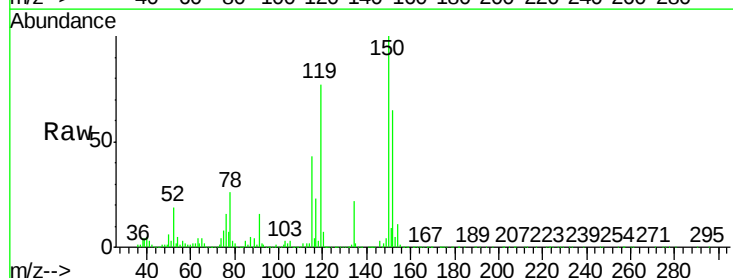
RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

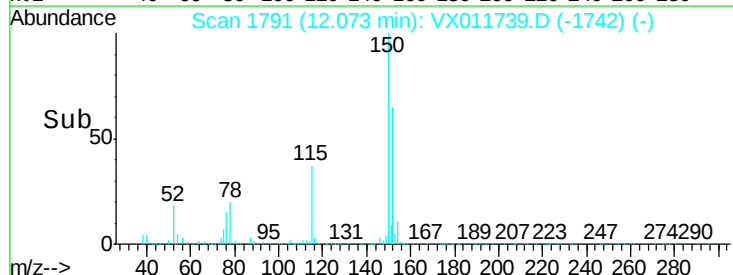
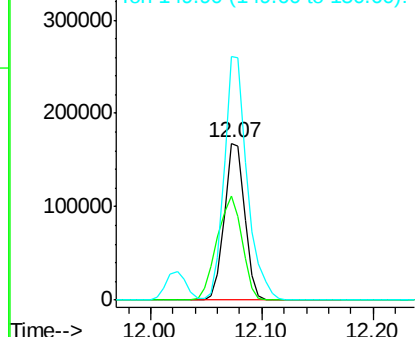
Lab File: VX011739.D

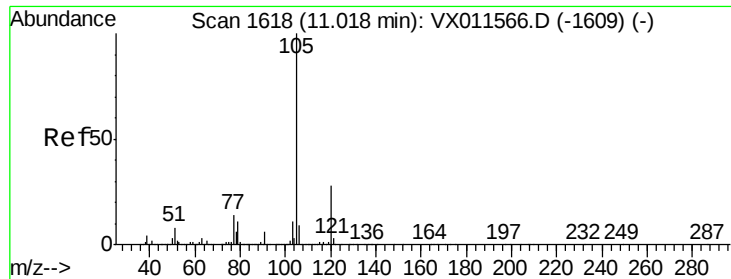
Acq: 21 Aug 2019 18:38

Tgt Ion:	152	Resp:	211809
Ion Ratio	Lower	Upper	
152	100		
115	82.9	37.3	111.9
150	175.0	0.0	346.2



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





#73

Isopropylbenzene

Concen: 61.797 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 849344

Ion Ratio Lower Upper

105 100

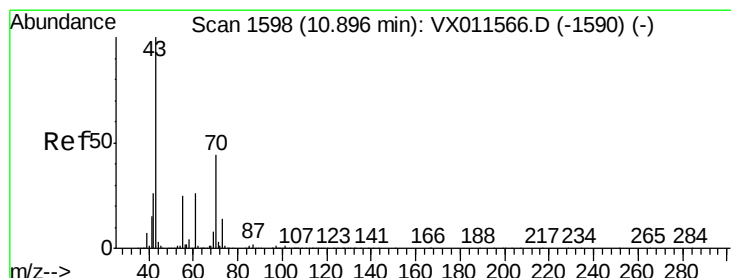
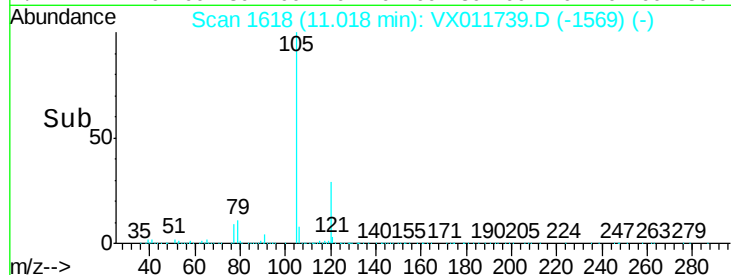
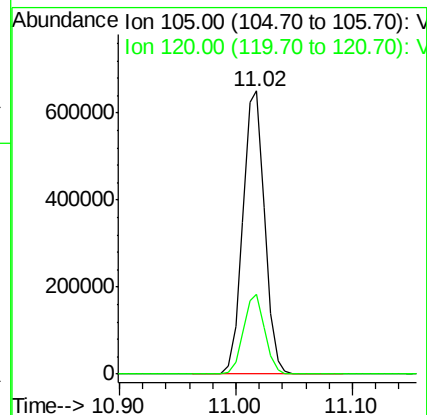
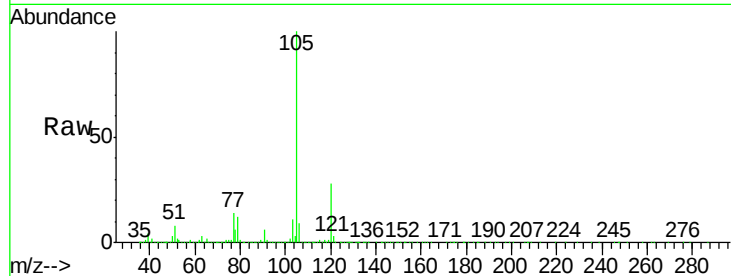
120 27.6 14.0 41.9

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#74

N-ethyl acetate

Concen: 57.143 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

Tgt Ion: 43 Resp: 333757

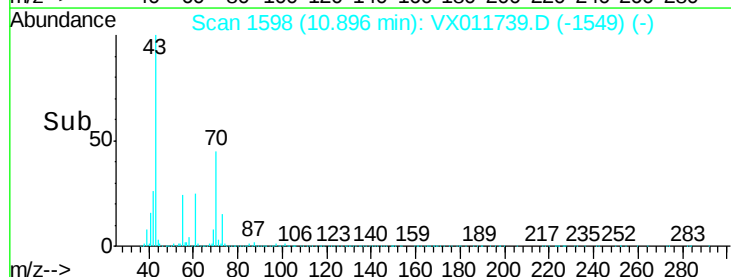
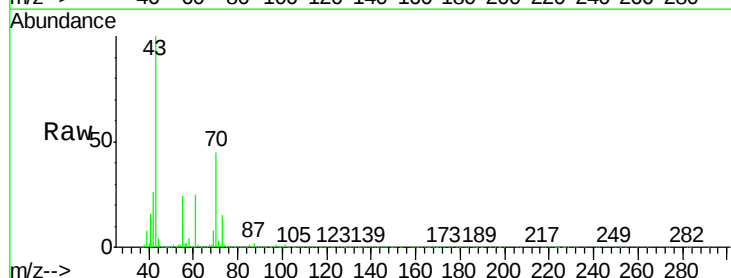
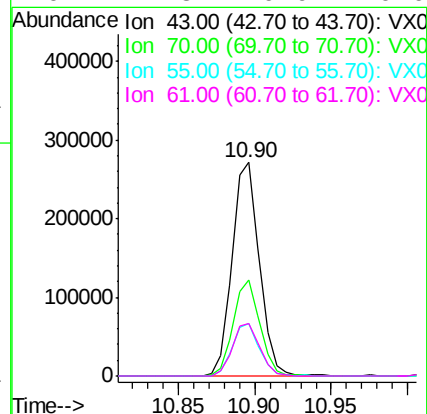
Ion Ratio Lower Upper

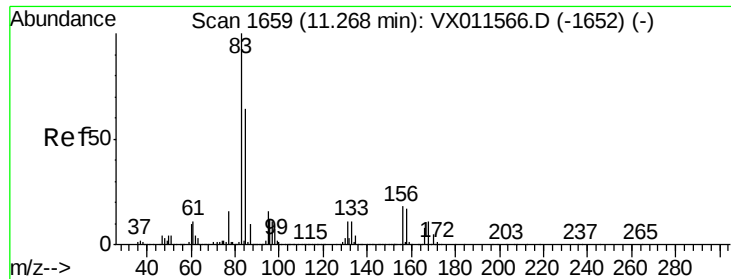
43 100

70 44.1 34.7 52.1

55 24.6 19.6 29.4

61 24.8 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 60.289 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

Instrument :

MSVOA_X

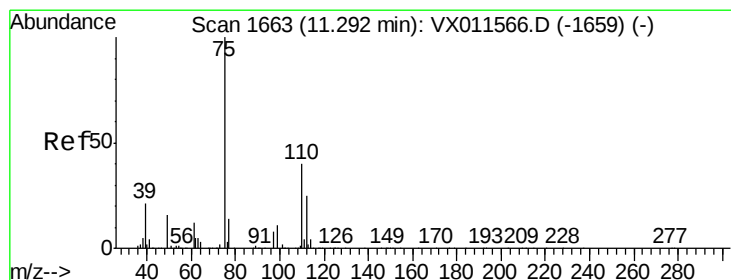
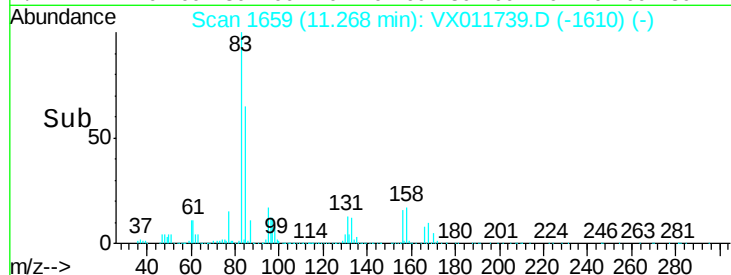
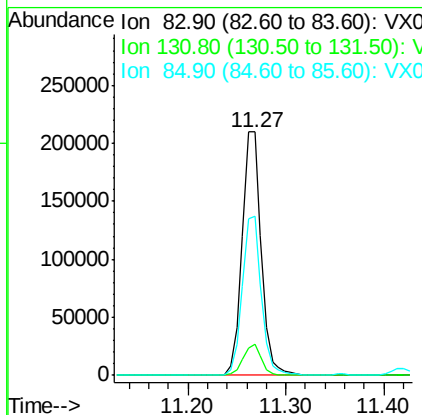
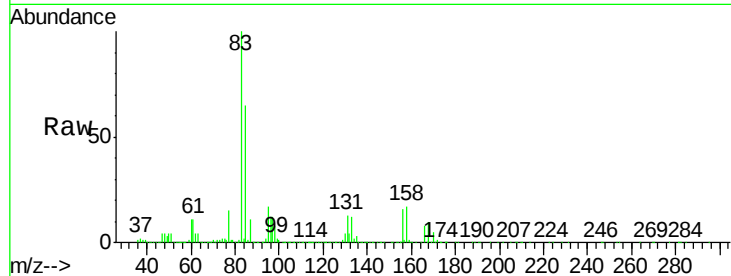
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	285043
Ion Ratio	Lower	Upper	
83	100		
131	12.1	5.8	17.3
85	65.1	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 61.454 ug/l m

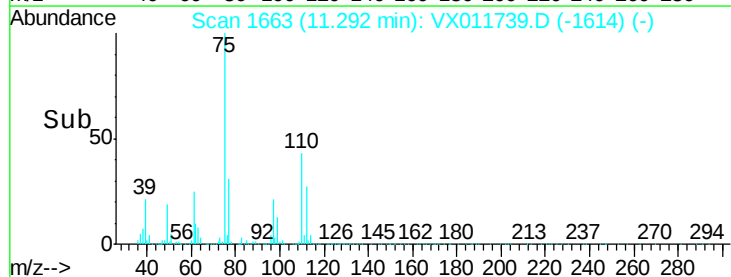
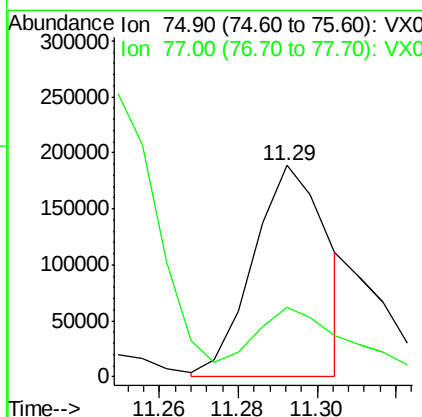
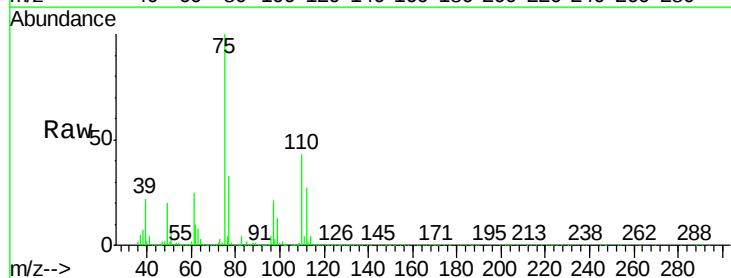
RT: 11.29 min Scan# 1663

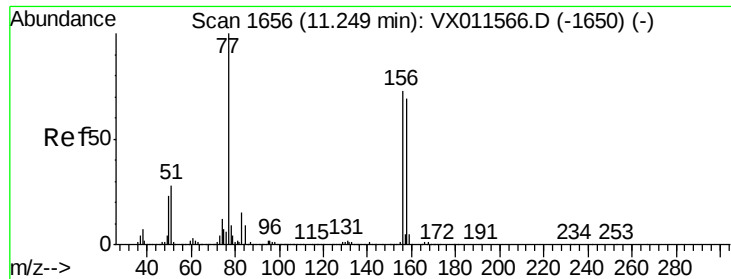
Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

Tgt Ion:	75	Resp:	246823
Ion Ratio	Lower	Upper	
75	100		
77	41.9	20.9	62.8





#77

Bromobenzene

Concen: 60.133 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

Instrument :

MSVOA_X

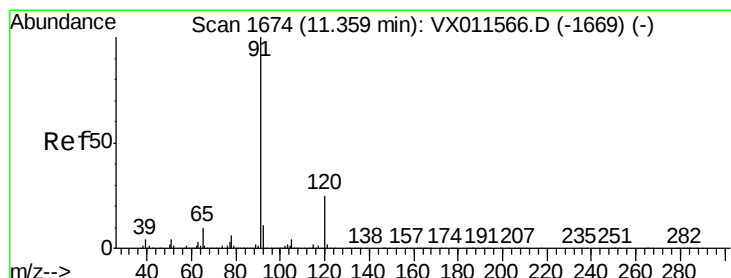
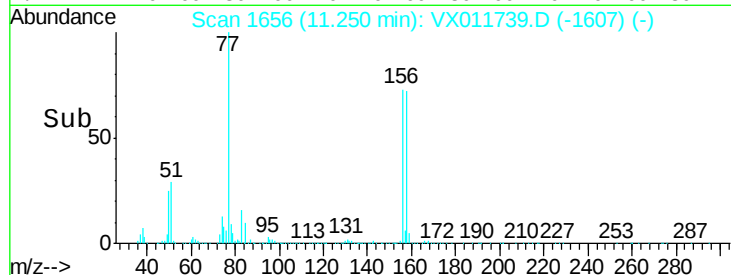
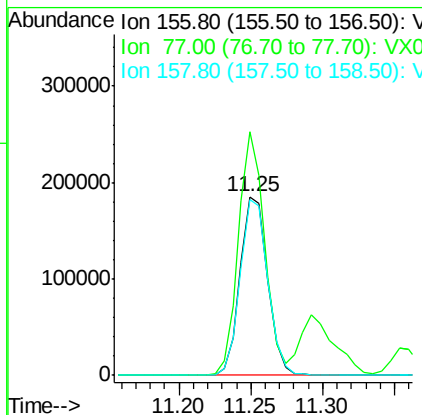
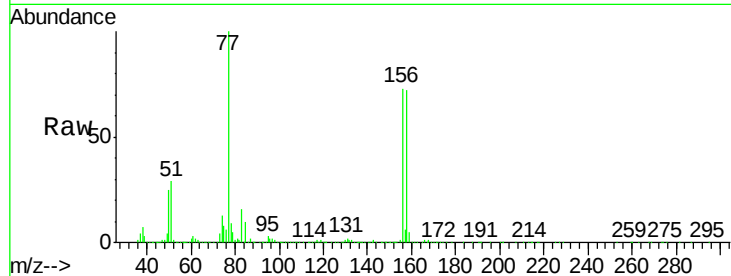
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	245887
Ion Ratio	Lower	Upper	
156	100		
77	130.3	64.6	193.9
158	98.8	48.4	145.3

Manual Integrations
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#78

n-propylbenzene

Concen: 60.856 ug/l

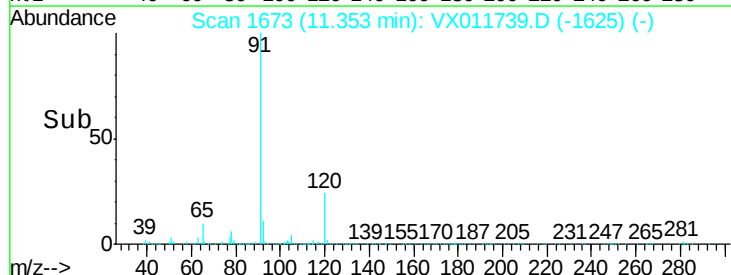
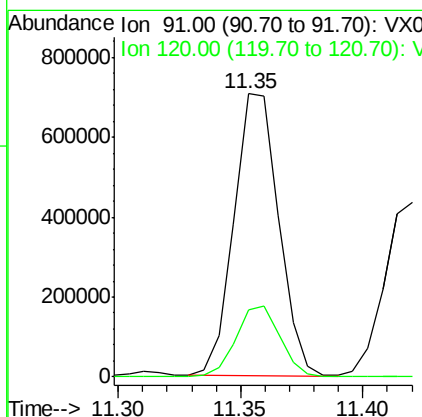
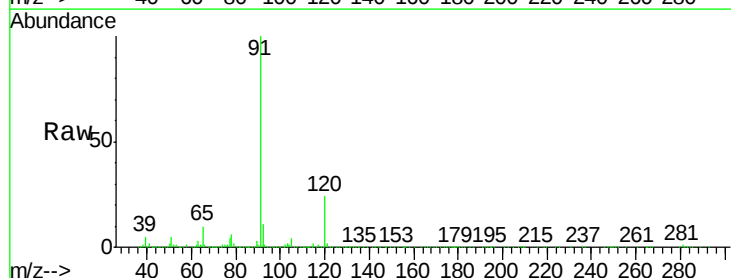
RT: 11.35 min Scan# 1673

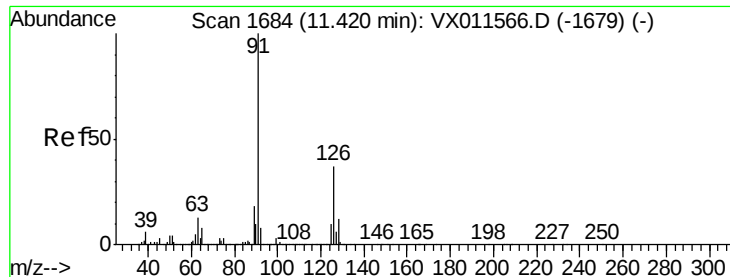
Delta R.T. -0.01 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

Tgt Ion:	91	Resp:	901900
Ion Ratio	Lower	Upper	
91	100		
120	24.7	12.6	37.6





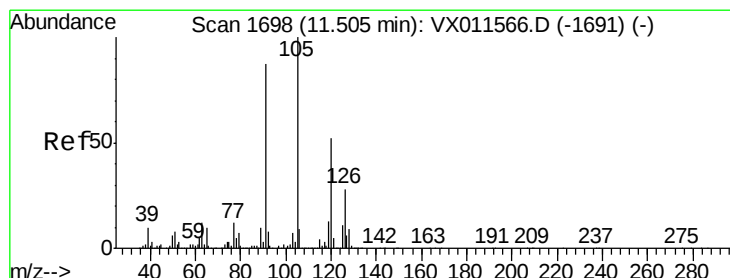
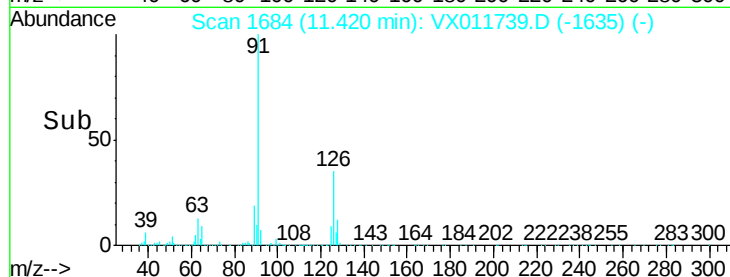
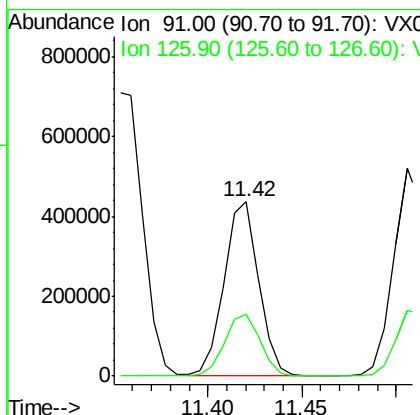
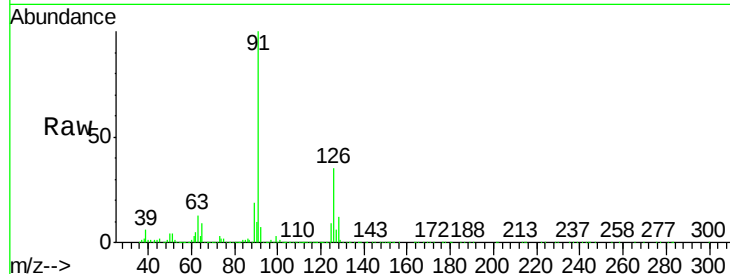
#79
2-Chlorotoluene
Concen: 60.814 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 553426
Ion Ratio Lower Upper
91 100
126 36.4 18.4 55.0

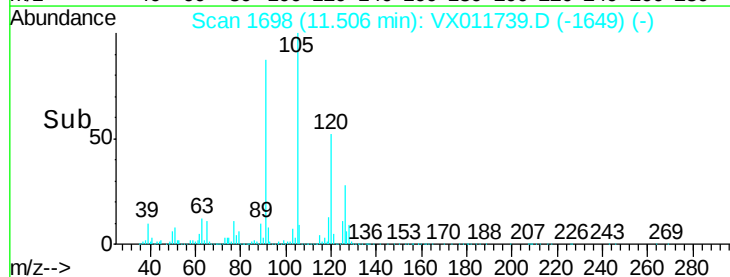
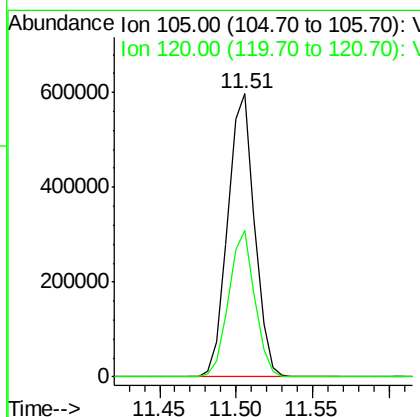
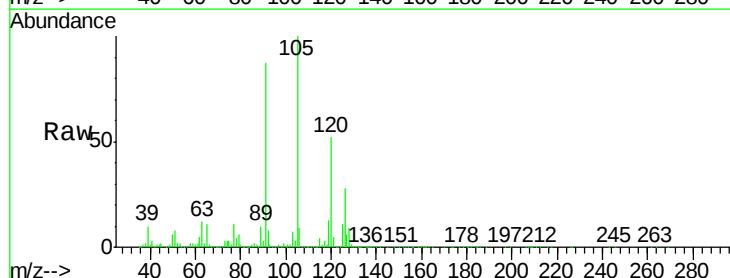
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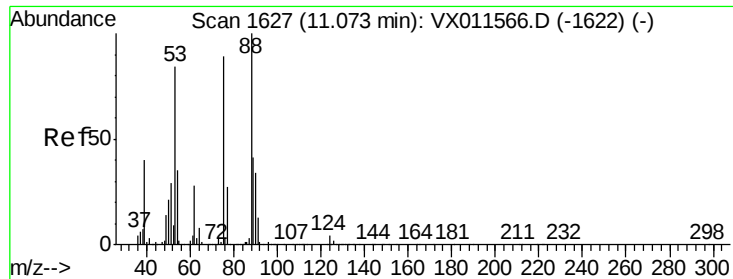
MMDadoda
8/22/2019 10:01:35 AM



#80
1,3,5-Trimethylbenzene
Concen: 62.666 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Tgt Ion: 105 Resp: 723507
Ion Ratio Lower Upper
105 100
120 50.3 25.3 75.8





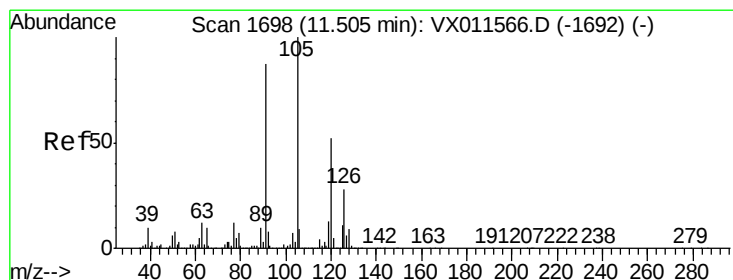
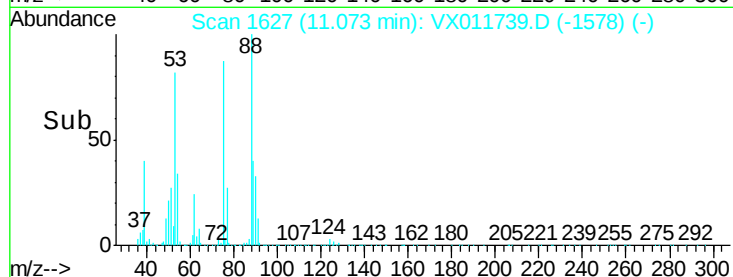
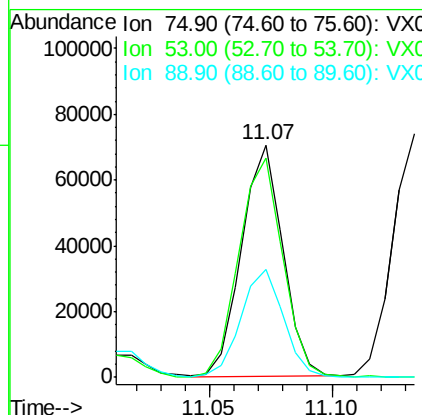
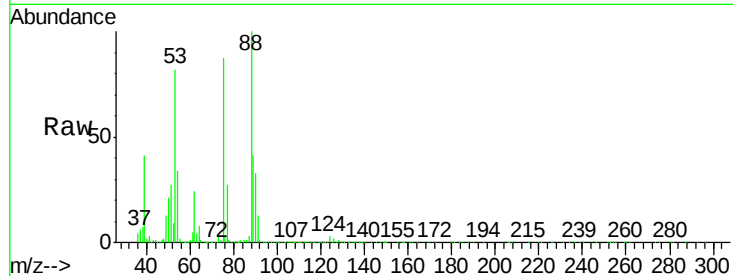
#81
trans-1,4-Dichloro-2-butene
Concen: 55.343 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.2	77.4	116.0
89	48.1	37.3	55.9

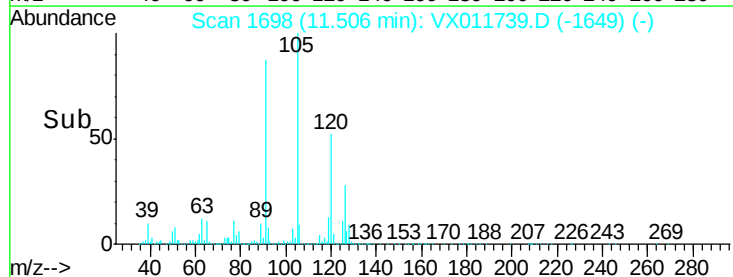
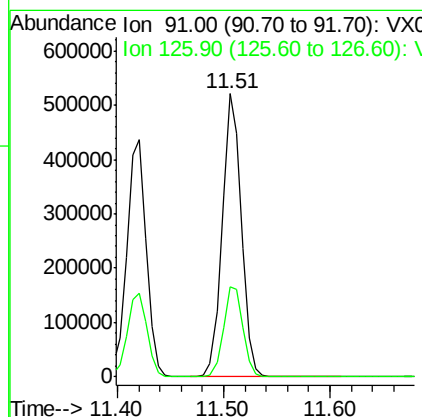
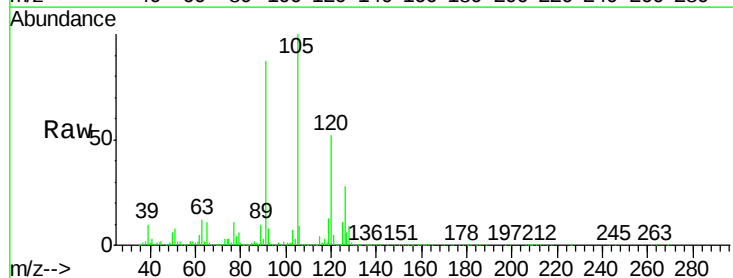
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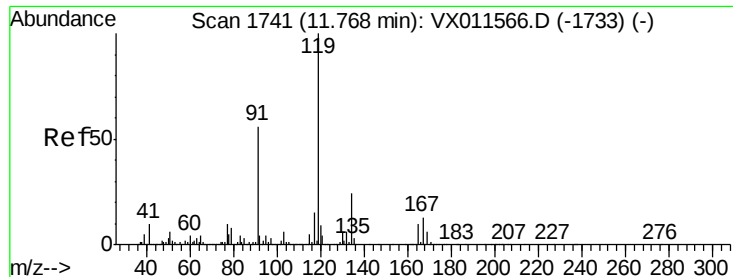
MMDadoda
8/22/2019 10:01:35 AM



#82
4-Chlorotoluene
Concen: 61.606 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.4	49.1





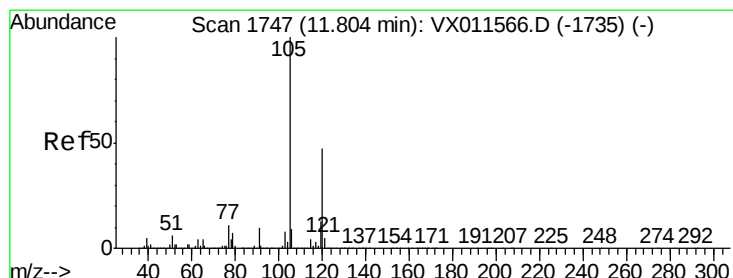
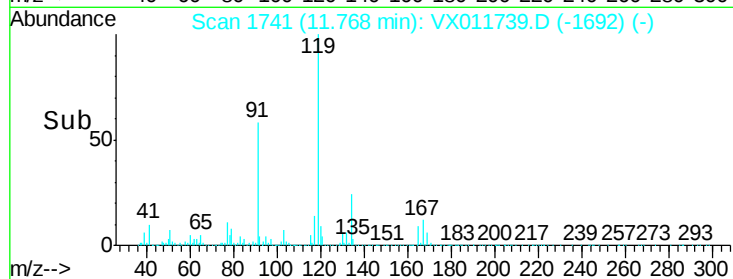
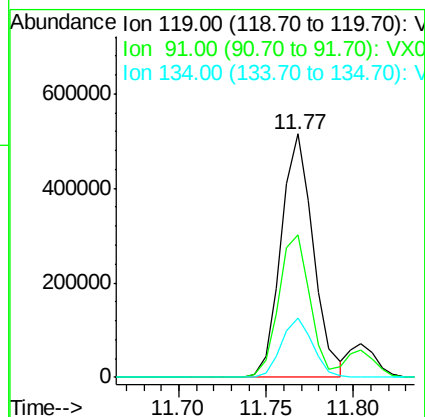
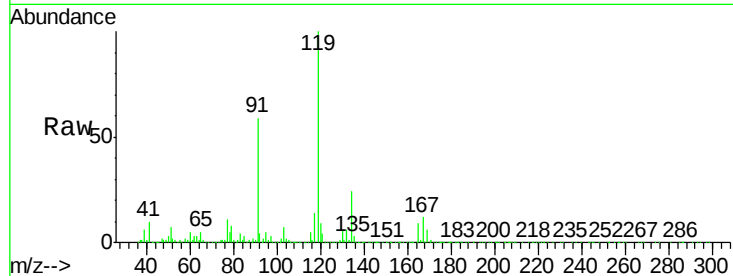
#83
tert-Butylbenzene
Concen: 56.560 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	665072		
91	56.5	27.1	81.3	
134	23.8	11.8	35.3	

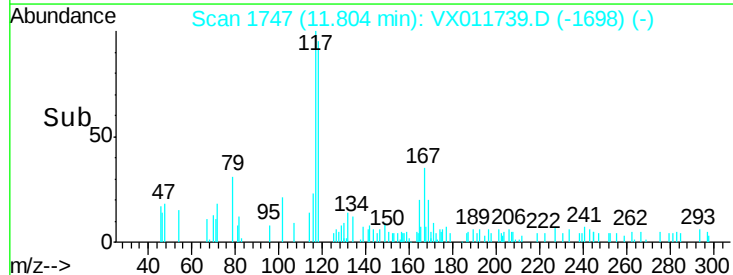
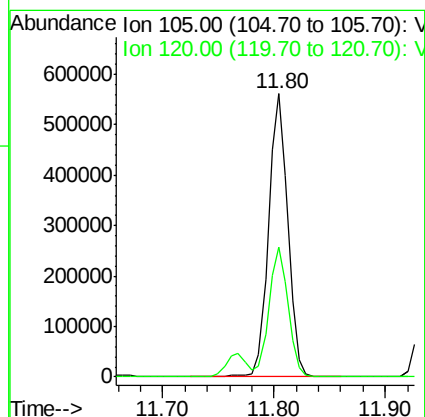
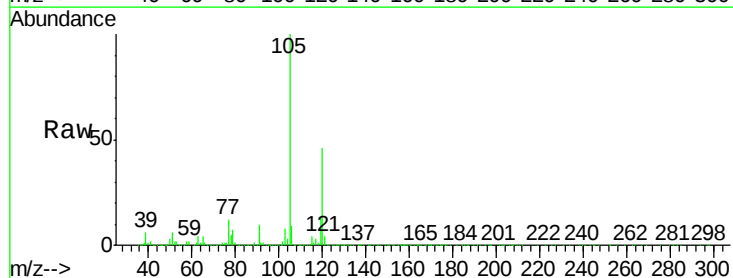
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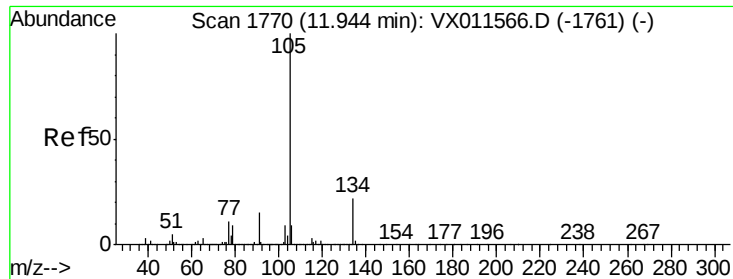
MMDadoda
8/22/2019 10:01:35 AM



#84
1,2,4-Trimethylbenzene
Concen: 58.703 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	680410		
120	45.4	23.3	69.9	





#85

sec-Butylbenzene

Concen: 57.531 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 763252

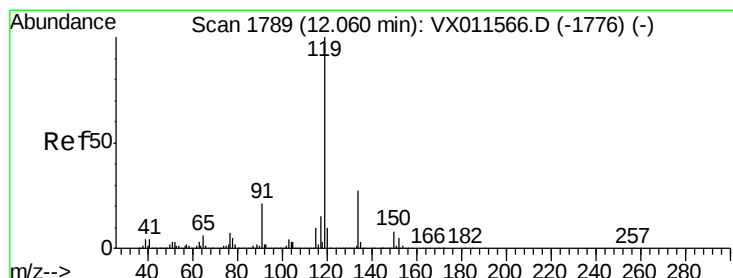
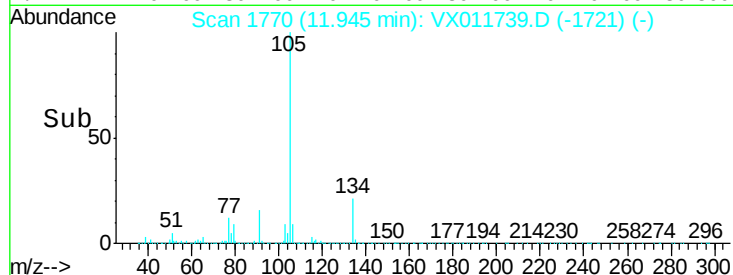
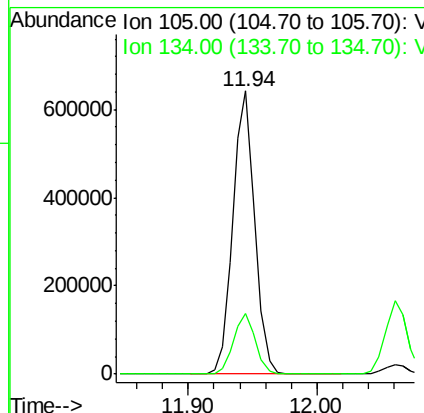
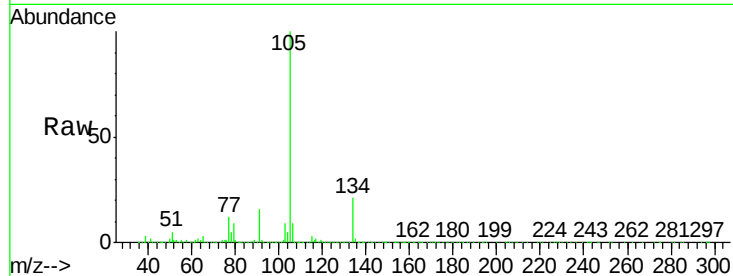
Ion Ratio Lower Upper

105 100

134 21.4 10.8 32.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 58.274 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

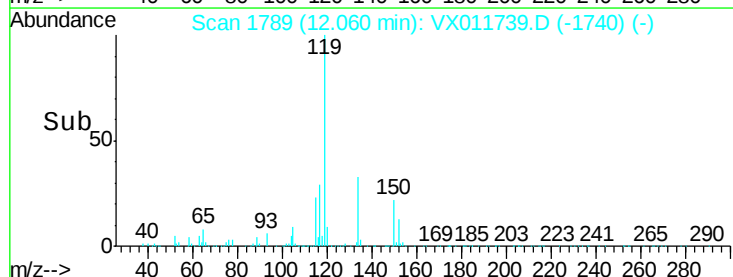
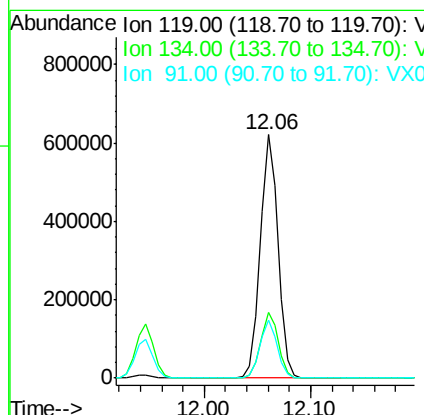
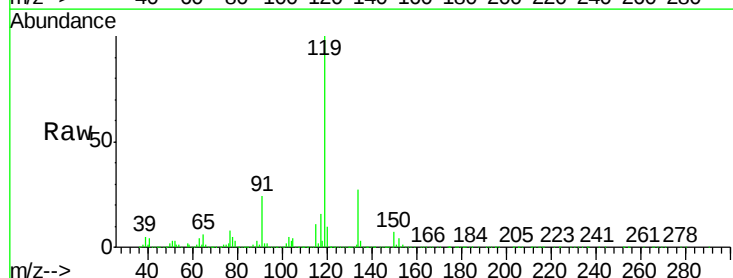
Tgt Ion:119 Resp: 727314

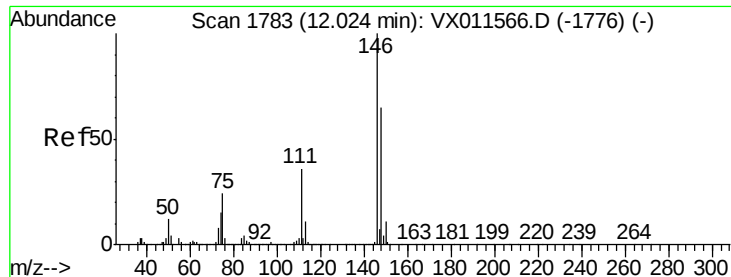
Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

91 23.4 10.9 32.9





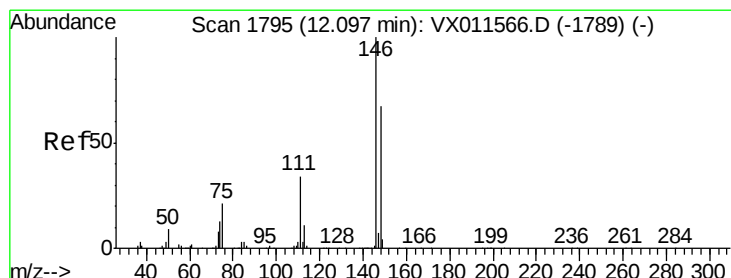
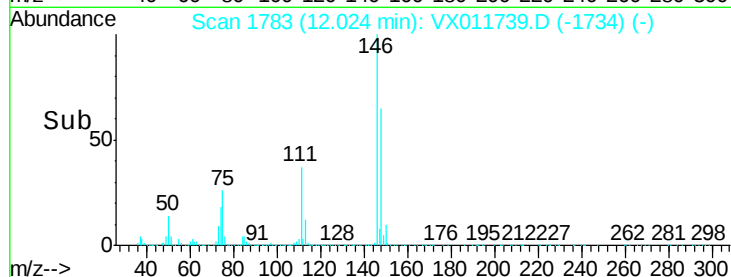
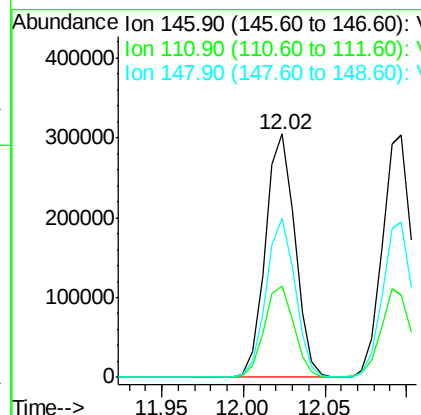
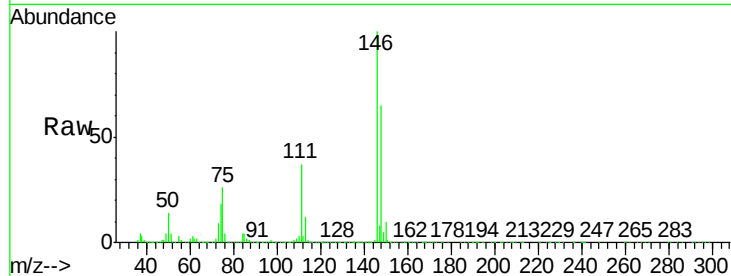
#87
 1,3-Dichlorobenzene
 Concen: 54.720 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011739.D
 Acq: 21 Aug 2019 18:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.1	54.4
148	64.4	32.0	96.0

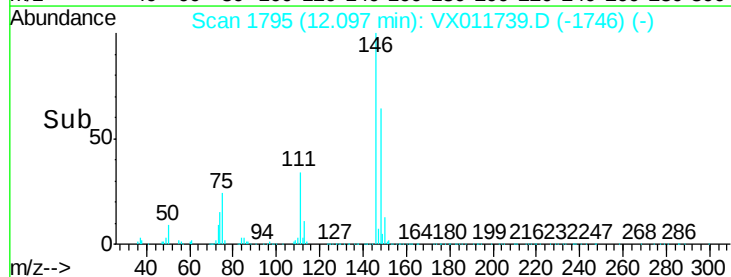
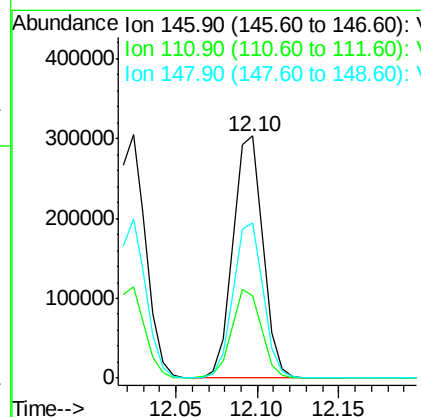
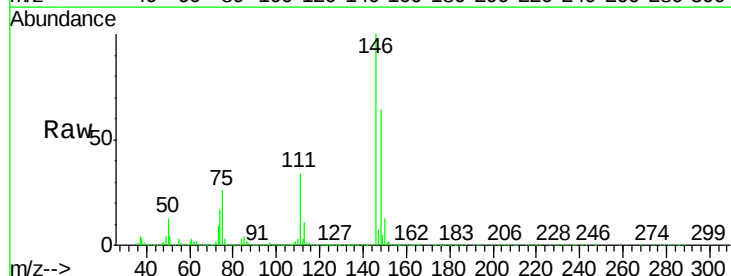
Manual Integrations
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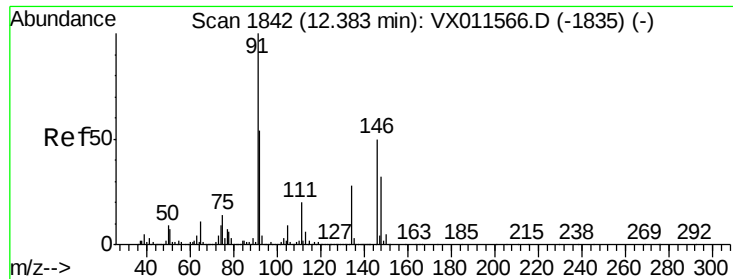
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#88
 1,4-Dichlorobenzene
 Concen: 54.286 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011739.D
 Acq: 21 Aug 2019 18:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	17.9	53.7
148	64.1	32.5	97.5





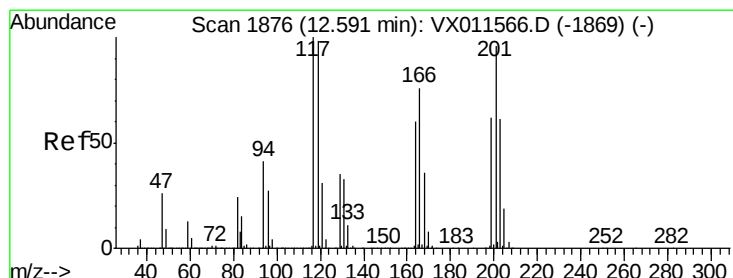
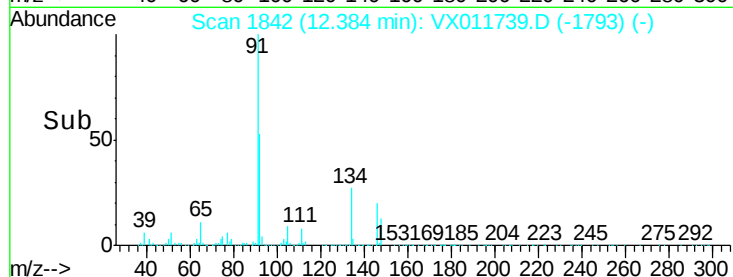
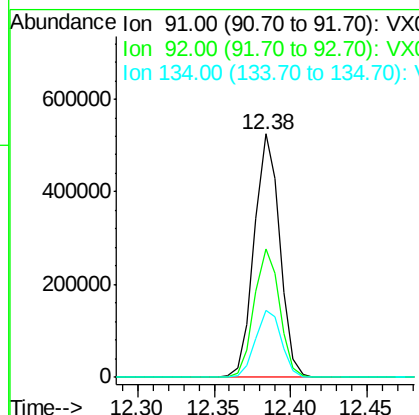
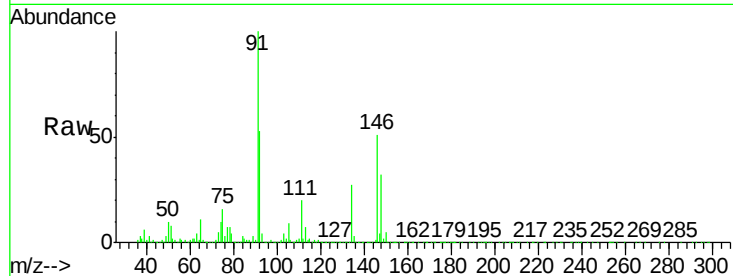
#89
n-Butylbenzene
Concen: 59.374 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	609235		
92	53.0		26.8	80.3
134	28.2		14.6	44.0

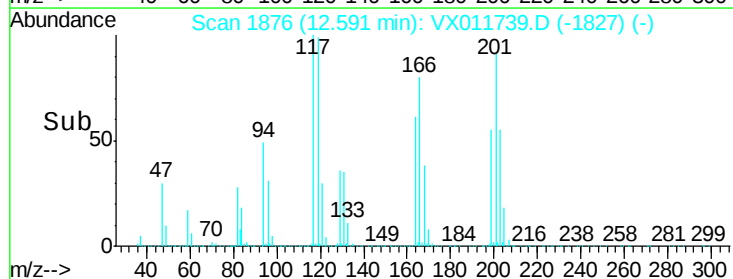
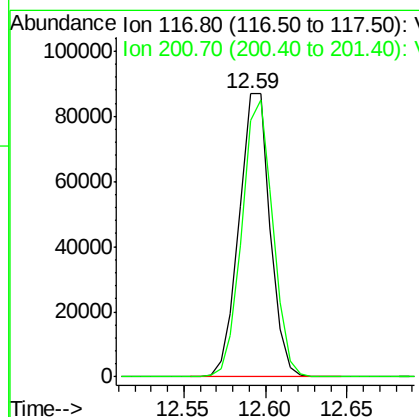
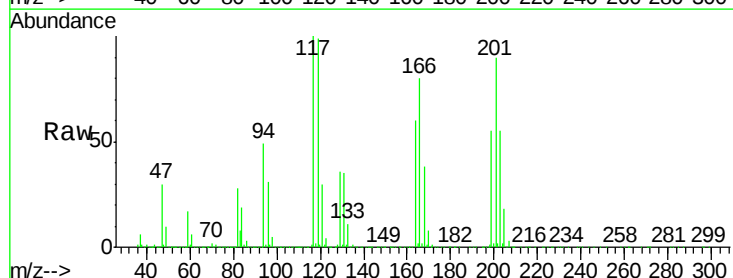
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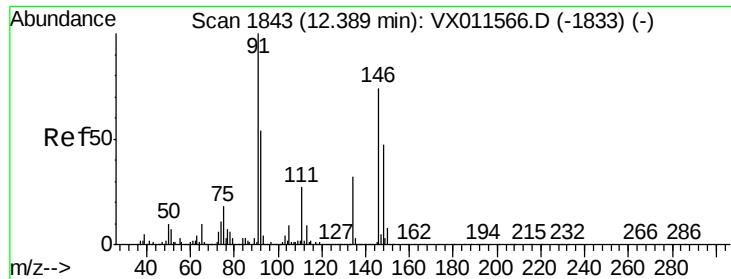
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#90
Hexachloroethane
Concen: 58.481 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011739.D
Acq: 21 Aug 2019 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	115262		
201	97.3		51.9	155.7





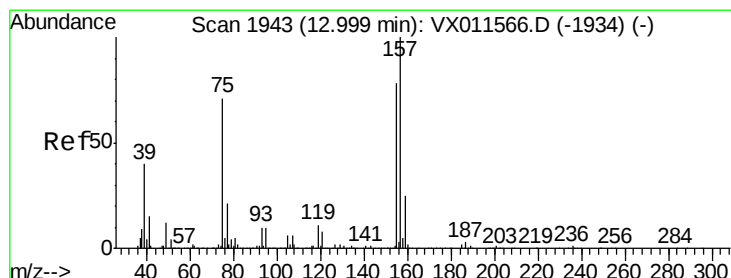
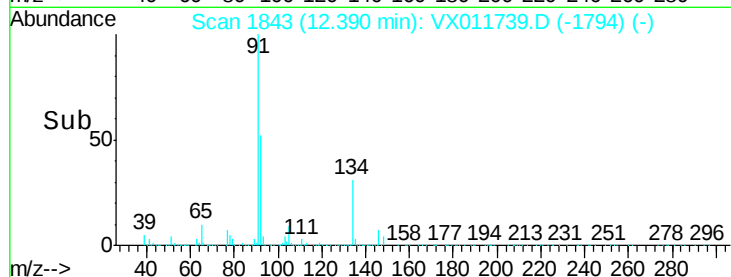
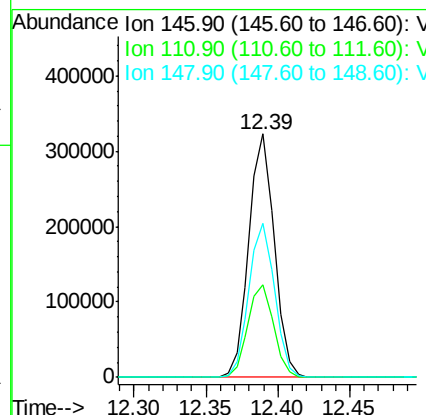
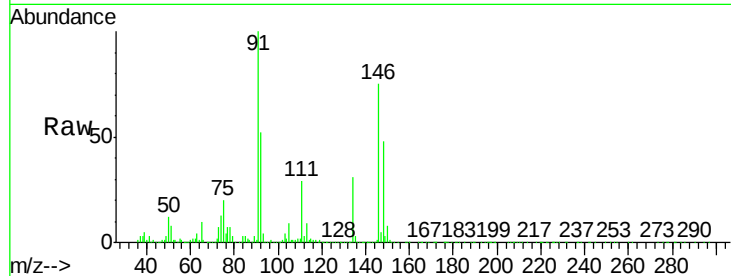
#91
 1,2-Dichlorobenzene
 Concen: 55.962 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011739.D
 Acq: 21 Aug 2019 18:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.9	56.7
148	64.0	31.9	95.9

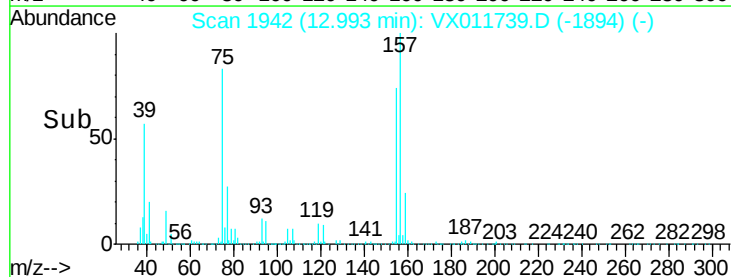
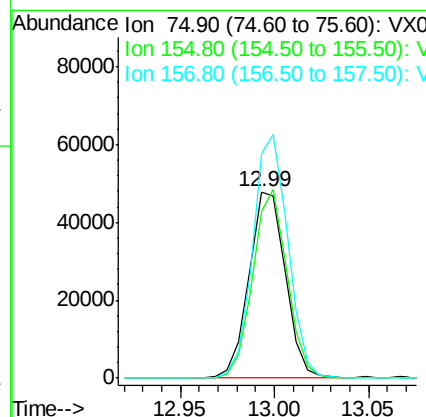
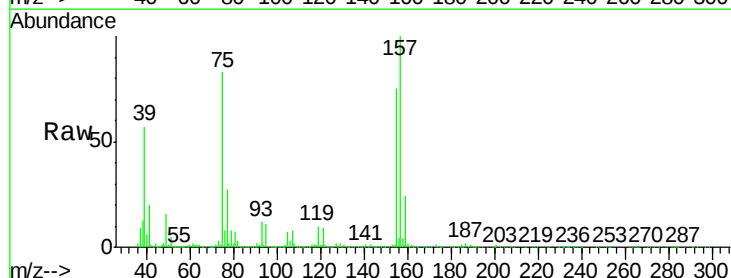
Manual Integrations
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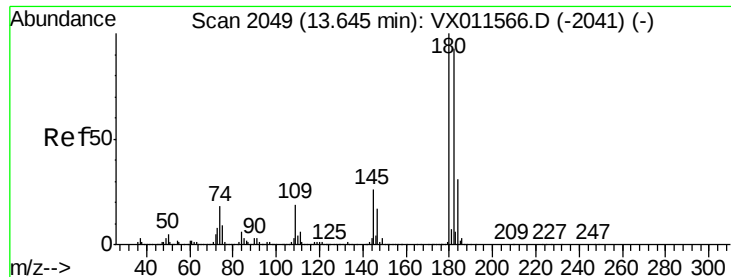
MMDadoda
 8/22/2019 10:01:35 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.844 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX011739.D
 Acq: 21 Aug 2019 18:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.4	53.0	159.0
157	126.9	68.3	205.1





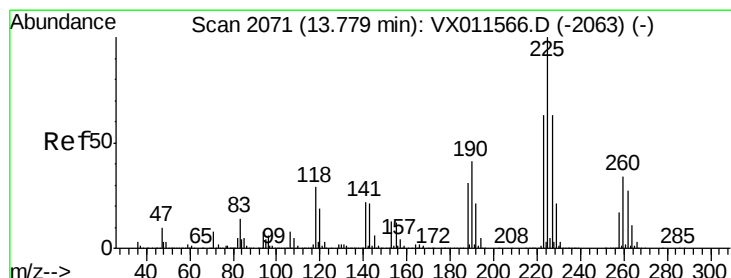
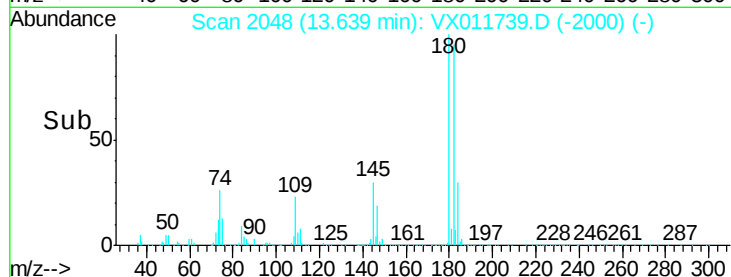
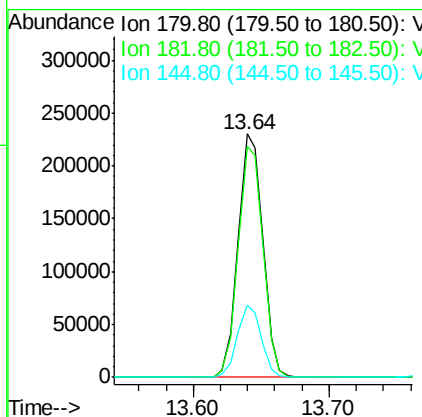
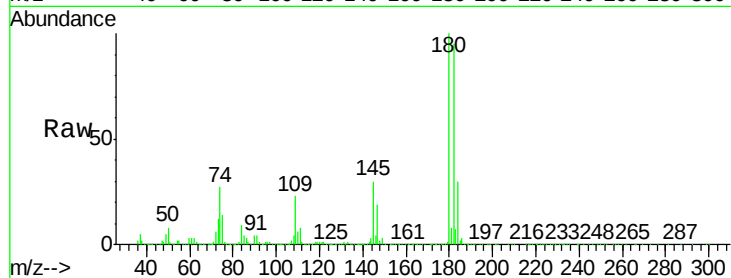
#93
 1,2,4-Trichlorobenzene
 Concen: 55.361 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: VX011739.D
 Acq: 21 Aug 2019 18:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	291034		
182	95.2	47.3	142.0	
145	28.8	13.6	40.8	

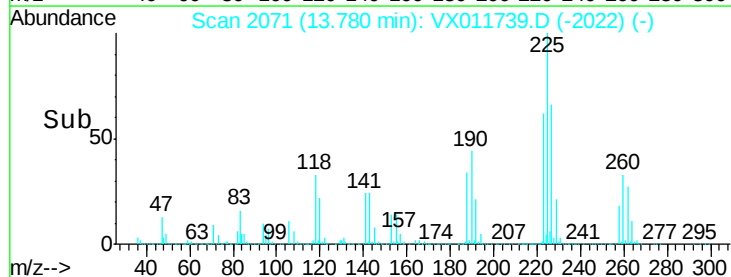
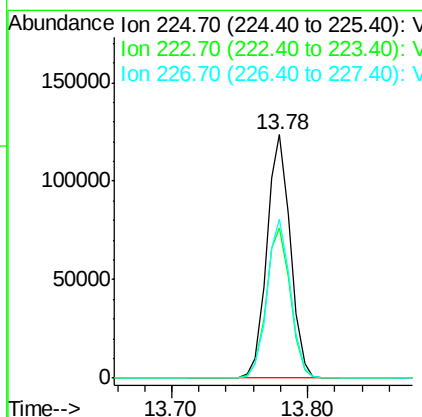
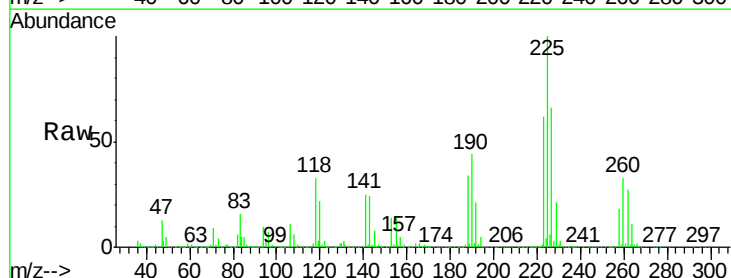
Manual Integrations
 APPROVED

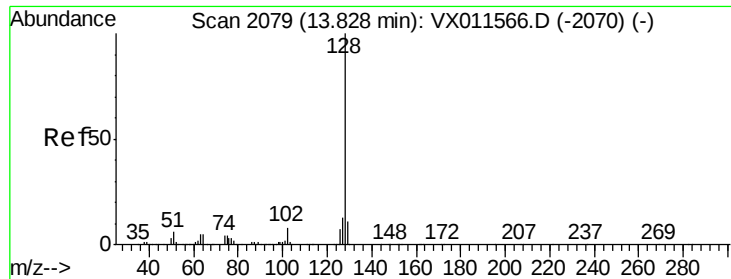
MMDadoda
 8/22/2019 10:01:35 AM



#94
 Hexachlorobutadiene
 Concen: 52.214 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011739.D
 Acq: 21 Aug 2019 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	149465		
223	63.1	31.4	94.0	
227	64.8	31.2	93.6	





#95

Naphthalene

Concen: 59.708 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

Instrument :

MSVOA_X

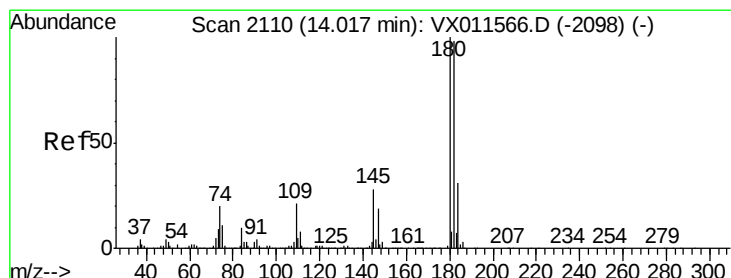
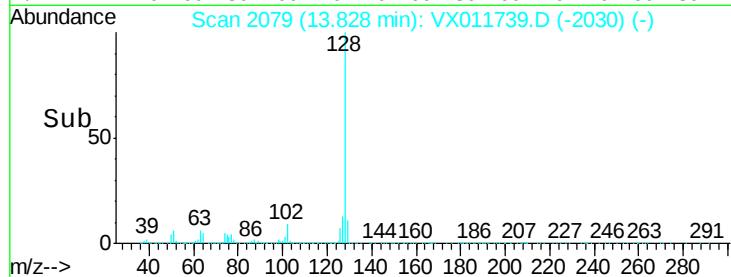
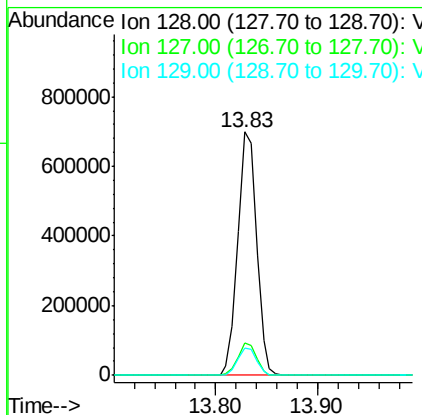
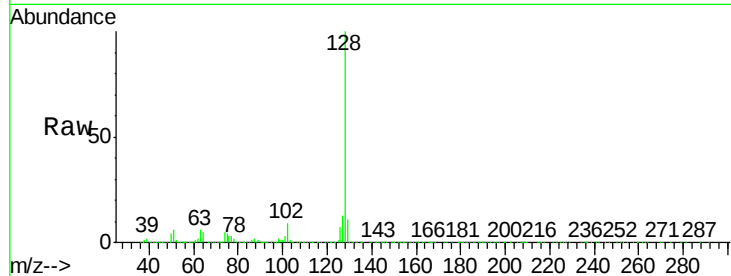
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	887370
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/22/2019 10:01:35 AM



#96

1,2,3-Trichlorobenzene

Concen: 55.487 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011739.D

Acq: 21 Aug 2019 18:38

Tgt Ion:	180	Resp:	294211
Ion Ratio	Lower	Upper	
180	100		
182	97.1	48.0	144.0
145	30.1	14.6	43.8

