

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081119\
 Data File : VX011420.D
 Acq On : 11 Aug 2019 10:33
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 10:30:20 AM

Quant Time: Aug 12 07:57:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	189927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	272947	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	138917	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	104615	54.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.40%	
35) Dibromofluoromethane	5.49	113	92374	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
50) Toluene-d8	8.71	98	343681	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
62) 4-Bromofluorobenzene	11.13	95	130580	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	66711	45.478	ug/l	99
3) Chloromethane	1.32	50	68969	41.869	ug/l	100
4) Vinyl Chloride	1.40	62	75533	41.686	ug/l	99
5) Bromomethane	1.63	94	49366	38.201	ug/l	100
6) Chloroethane	1.71	64	50550	44.789	ug/l	99
7) Trichlorofluoromethane	1.92	101	142241	44.150	ug/l	99
8) Diethyl Ether	2.18	74	48594	42.240	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	82716	47.450	ug/l	98
10) Methyl Iodide	2.50	142	99926	45.467	ug/l	97
11) Tert butyl alcohol	3.04	59	99254	260.235	ug/l	99
12) 1,1-Dichloroethene	2.37	96	77115	44.626	ug/l	91
13) Acrolein	2.29	56	24599	103.535	ug/l	96
14) Allyl chloride	2.72	41	119594	51.914	ug/l	97
15) Acrylonitrile	3.14	53	216323	237.679	ug/l	97
16) Acetone	2.43	43	259108	284.612	ug/l	96
17) Carbon Disulfide	2.56	76	181732	44.816	ug/l	98
18) Methyl Acetate	2.76	43	102984	49.500	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	262593	51.566	ug/l	97
20) Methylene Chloride	2.85	84	88591	44.433	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	83095	45.458	ug/l	89
22) Diisopropyl ether	3.85	45	252574	49.885	ug/l	96
23) Vinyl Acetate	3.81	43	1115199	265.562	ug/l	99
24) 1,1-Dichloroethane	3.69	63	145709	48.805	ug/l	98
25) 2-Butanone	4.66	43	336875	260.128	ug/l	97
26) 2,2-Dichloropropane	4.57	77	130842	56.378	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	99514	47.264	ug/l	95
28) Bromochloromethane	5.01	49	66712	49.015	ug/l	97
29) Tetrahydrofuran	5.12	42	190027	239.314	ug/l	98
30) Chloroform	5.20	83	162858	50.190	ug/l	96
31) Cyclohexane	5.57	56	117725	47.795	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	147714	53.141	ug/l	99
36) 1,1-Dichloropropene	5.79	75	114938	48.231	ug/l	99
37) Ethyl Acetate	4.82	43	116324	48.663	ug/l	98
38) Carbon Tetrachloride	5.78	117	130606	54.475	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	133374	47.216	ug/l	100
40) Benzene	6.13	78	343581	48.315	ug/l	99
41) Methacrylonitrile	5.03	41	63069	48.311	ug/l	97
42) 1,2-Dichloroethane	6.18	62	128512	53.442	ug/l	97
43) Isopropyl Acetate	6.43	43	195041	51.035	ug/l	100
44) Trichloroethene	7.21	130	101649	47.224	ug/l	98
45) 1,2-Dichloropropane	7.51	63	88288	47.938	ug/l	98
46) Dibromomethane	7.65	93	65343	48.601	ug/l	97
47) Bromodichloromethane	7.89	83	124696	54.780	ug/l	100
48) Methyl methacrylate	7.76	41	94987	52.813	ug/l	97
49) 1,4-Dioxane	7.73	88	44956	862.192	ug/l	93
51) 4-Methyl-2-Pentanone	8.63	43	634068	257.084	ug/l	99
52) Toluene	8.78	92	230059	48.930	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	136480	51.399	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	147113	55.326	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	96380	49.856	ug/l	98
56) Ethyl methacrylate	9.17	69	145246	52.723	ug/l	97
57) 1,3-Dichloropropane	9.37	76	151698	49.619	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	330738	244.170	ug/l	100
59) 2-Hexanone	9.49	43	506874	265.327	ug/l	98
60) Dibromochloromethane	9.58	129	109766	55.460	ug/l	99
61) 1,2-Dibromoethane	9.66	107	104260	49.919	ug/l	99
64) Tetrachloroethene	9.34	164	103601	47.688	ug/l	95
65) Chlorobenzene	10.13	112	265145	48.340	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	99933	53.218	ug/l	99
67) Ethyl Benzene	10.25	91	460994	50.184	ug/l	99
68) m/p-Xylenes	10.35	106	355114	99.944	ug/l	96
69) o-Xylene	10.69	106	170738	48.907	ug/l	97
70) Styrene	10.71	104	298955	51.754	ug/l	98
71) Bromoform	10.85	173	84145	50.109	ug/l	100
73) Isopropylbenzene	11.02	105	478008	50.312	ug/l	99
74) N-amyl acetate	10.90	43	178491	51.993	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	150329	47.480	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	132350m	52.315	ug/l	
77) Bromobenzene	11.25	156	124935	47.422	ug/l	95
78) n-propylbenzene	11.35	91	536601	50.787	ug/l	99
79) 2-Chlorotoluene	11.41	91	317668	50.444	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	406370	51.095	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	48004	50.608	ug/l	99
82) 4-Chlorotoluene	11.51	91	373658	50.913	ug/l	98
83) tert-Butylbenzene	11.77	119	397409	50.947	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	406793	51.372	ug/l	99
85) sec-Butylbenzene	11.94	105	473154	50.487	ug/l	100
86) p-Isopropyltoluene	12.06	119	443757	51.469	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	231198	49.666	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	232264	48.387	ug/l	98
89) n-Butylbenzene	12.38	91	390378	52.555	ug/l	99
90) Hexachloroethane	12.59	117	73458	57.629	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	225887	48.295	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	32484	52.955	ug/l	94

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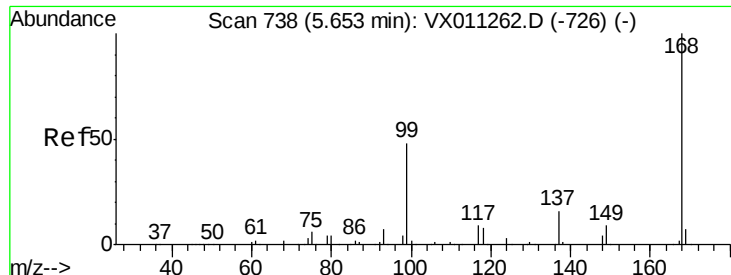
Manual Integrations
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QLast Update : Fri Aug 02 01:55:00 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	159124	51.299	ug/l	98
94) Hexachlorobutadiene	13.78	225	79687	50.635	ug/l	98
95) Naphthalene	13.83	128	471471	51.975	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	159934	50.717	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 189927

Ion Ratio Lower Upper

168 100

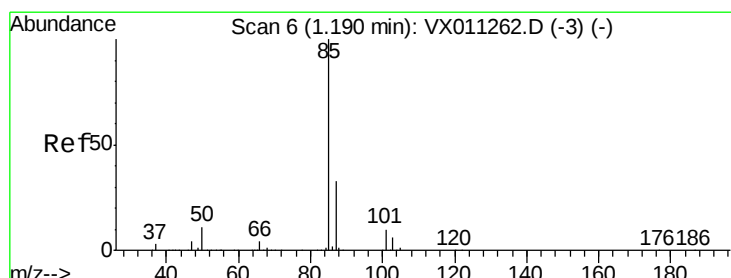
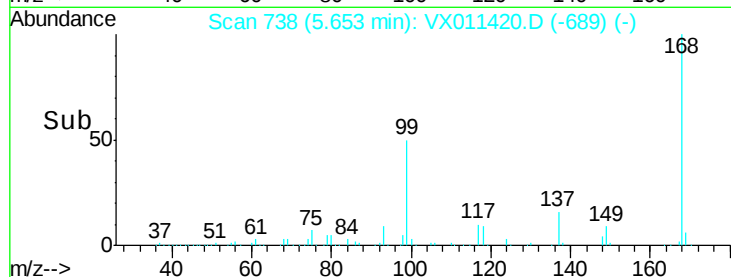
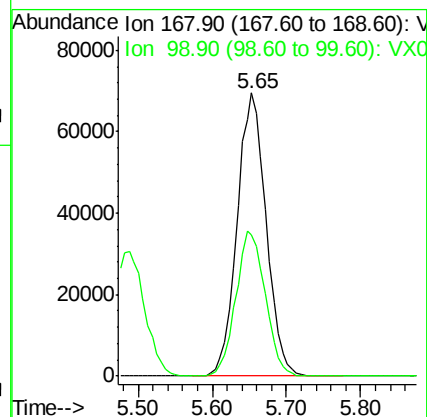
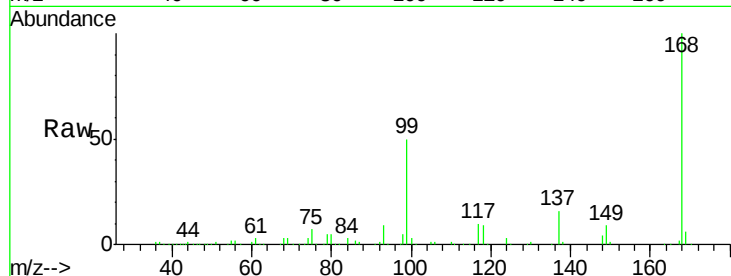
99 49.8 38.5 57.7

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 45.478 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.00 min

Lab File: VX011420.D

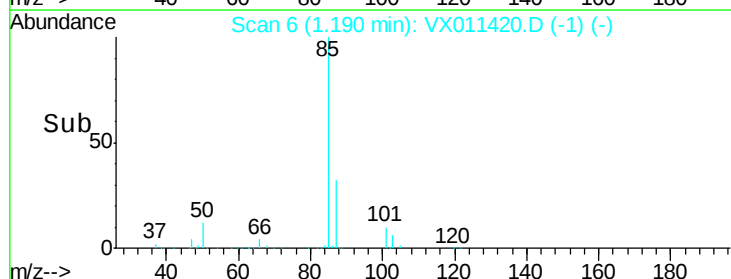
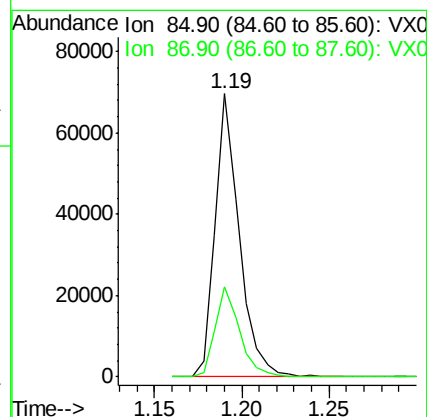
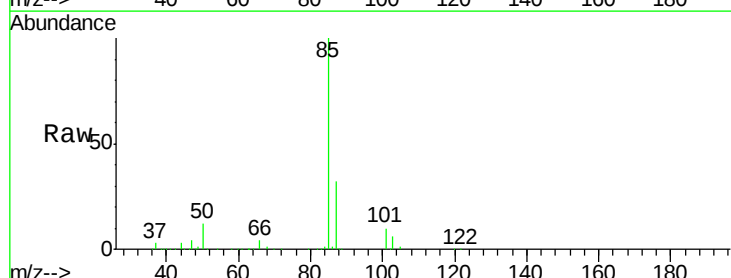
Acq: 11 Aug 2019 10:33

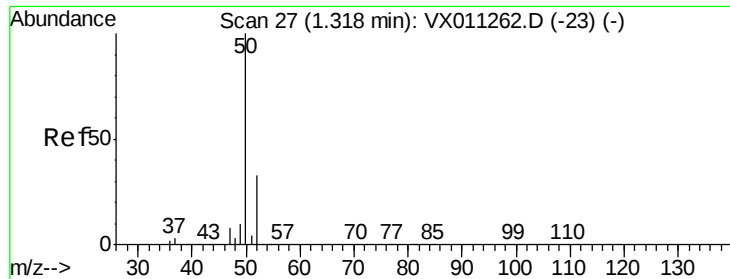
Tgt Ion: 85 Resp: 66711

Ion Ratio Lower Upper

85 100

87 32.0 16.4 49.1





#3

Chloromethane

Concen: 41.869 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 68969

Ion Ratio Lower Upper

50 100

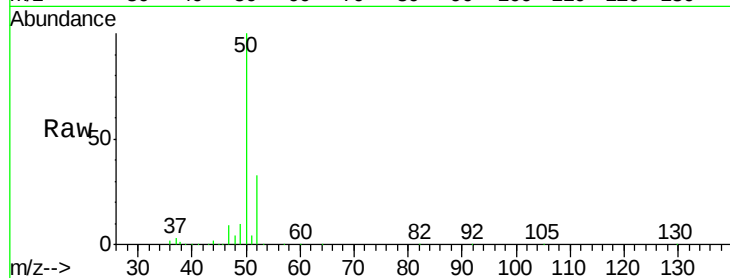
52 33.2 26.4 39.6

Manual Integrations

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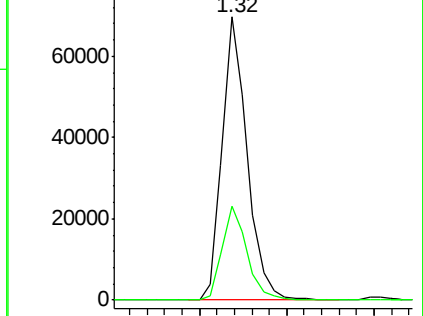
MMDadoda

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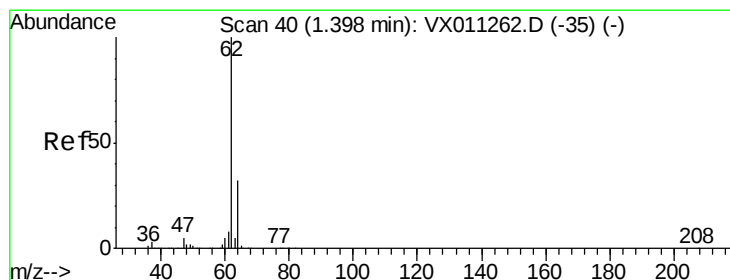
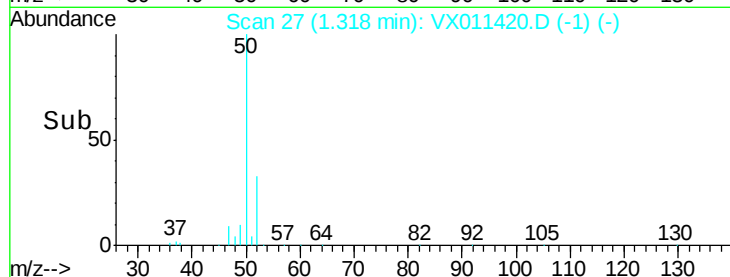


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 41.686 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.01 min

Lab File: VX011420.D

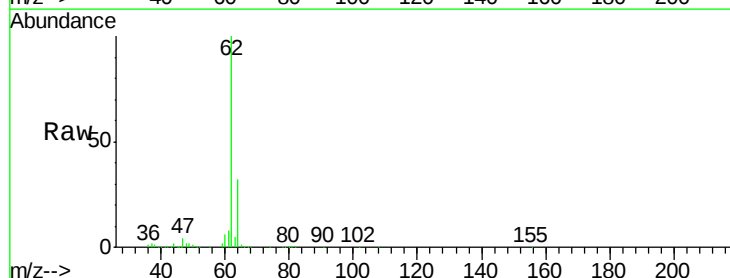
Acq: 11 Aug 2019 10:33

Tgt Ion: 62 Resp: 75533

Ion Ratio Lower Upper

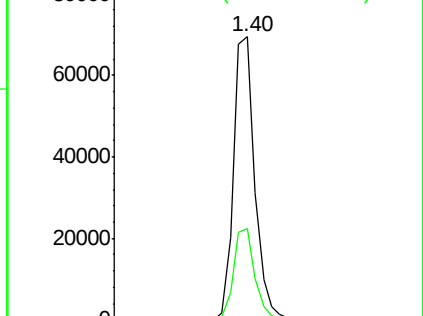
62 100

64 31.9 26.0 39.0

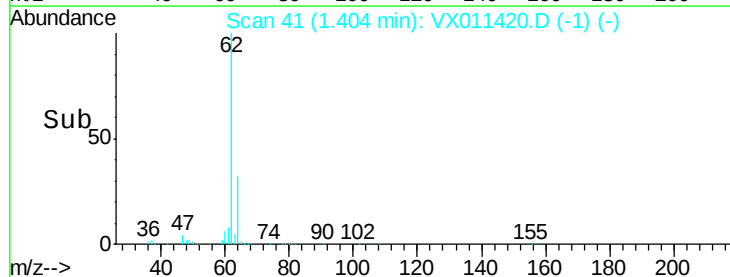


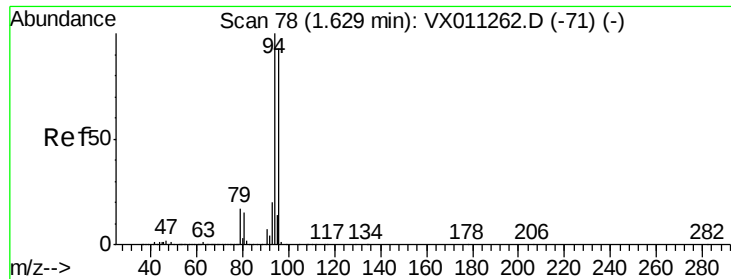
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 38.201 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.00 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 49366

Ion Ratio Lower Upper

94 100

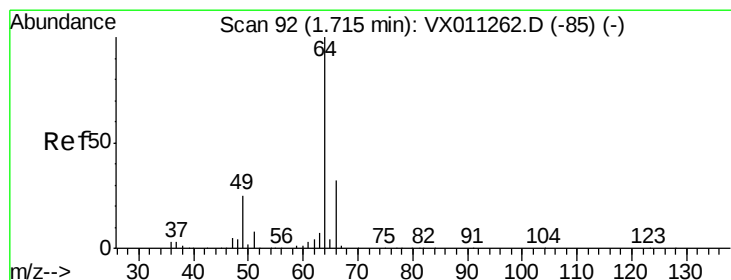
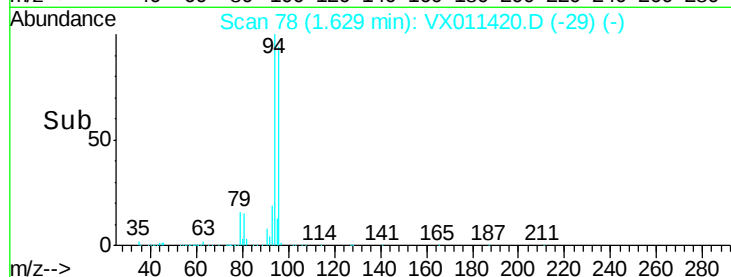
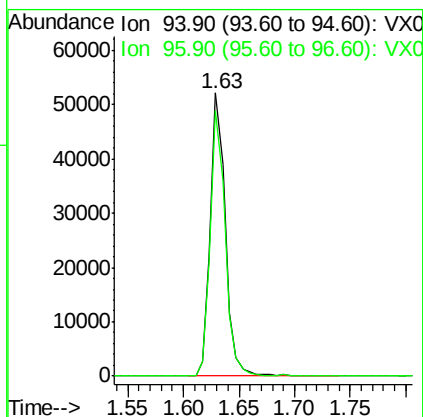
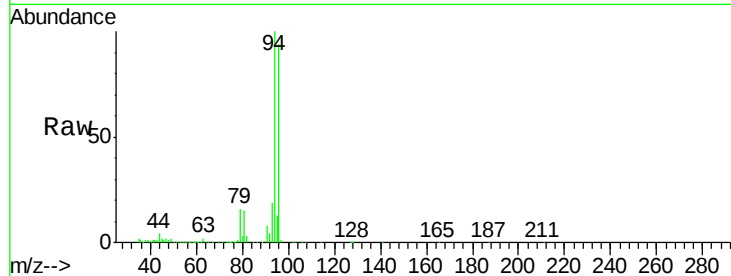
96 93.7 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 44.789 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011420.D

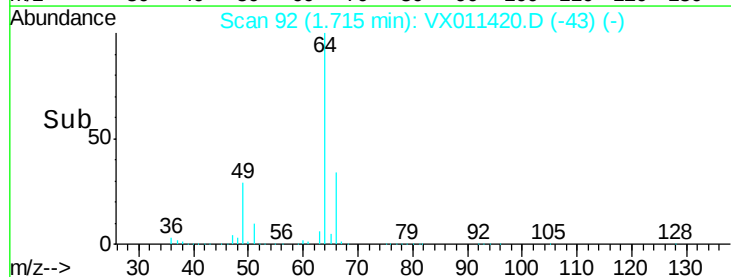
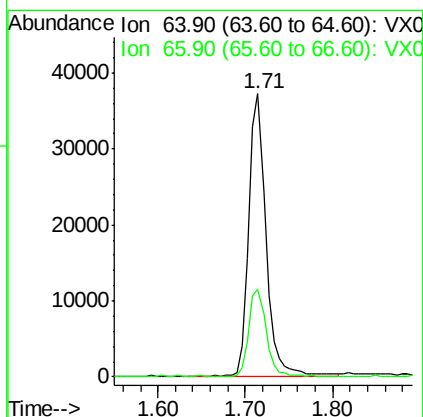
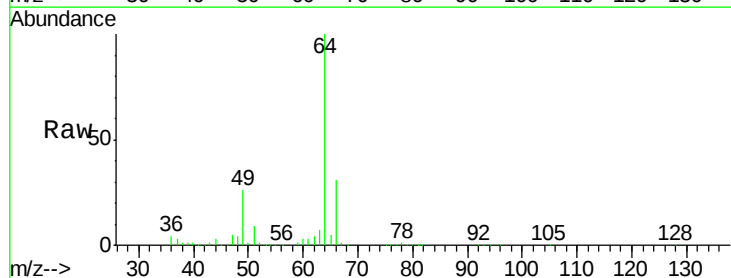
Acq: 11 Aug 2019 10:33

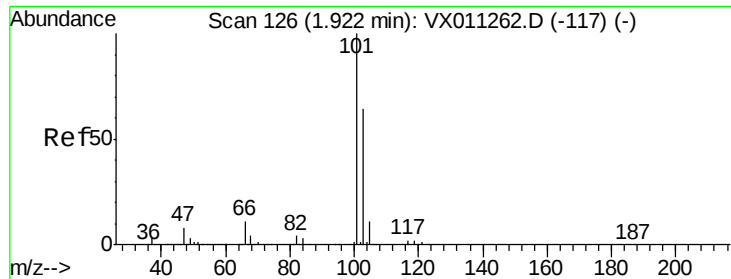
Tgt Ion: 64 Resp: 50550

Ion Ratio Lower Upper

64 100

66 30.7 25.1 37.7





#7

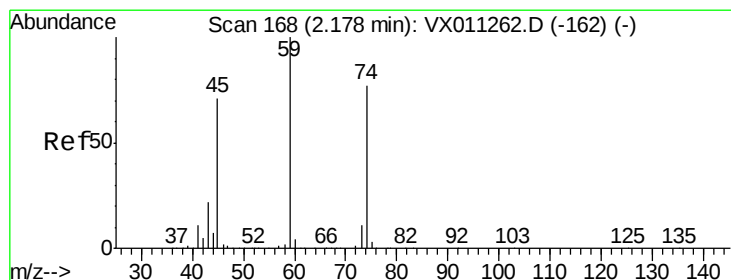
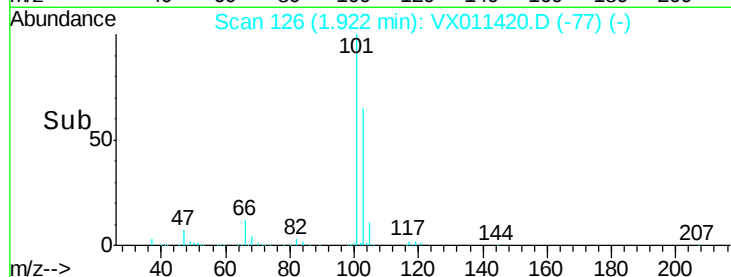
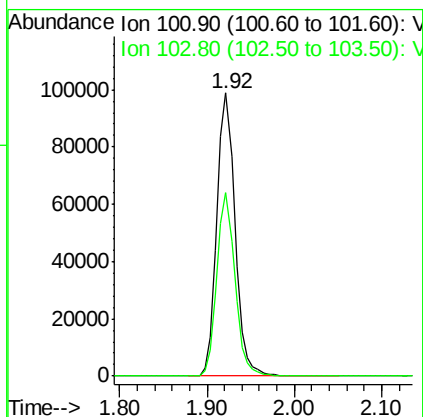
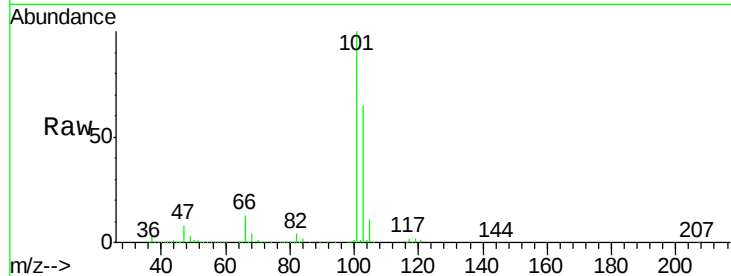
Trichlorofluoromethane
Concen: 44.150 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	50.9	76.3

Manual Integrations
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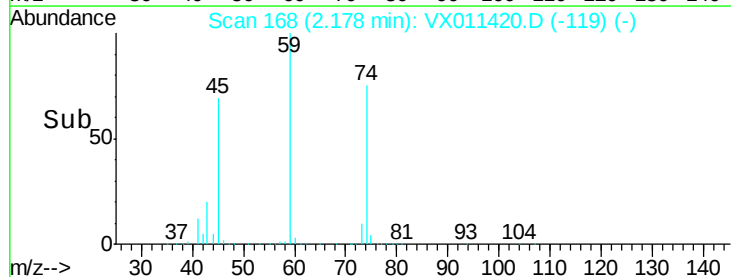
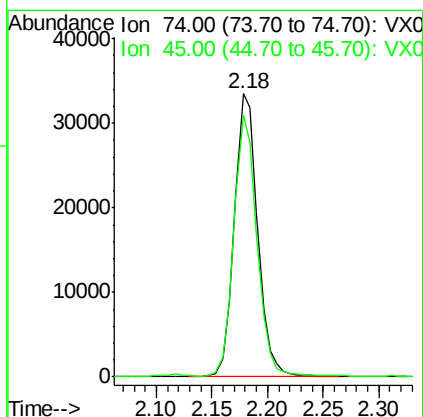
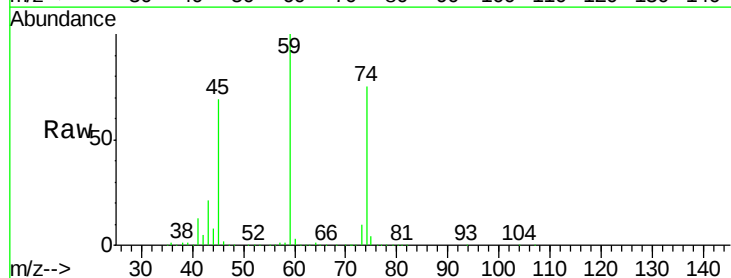
MMDadoda
8/12/2019 10:30:20 AM



#8

Diethyl Ether
Concen: 42.240 ug/l
RT: 2.18 min Scan# 168
Delta R.T. -0.00 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.5	46.1	138.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.450 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Instrument :

MSVOA_X

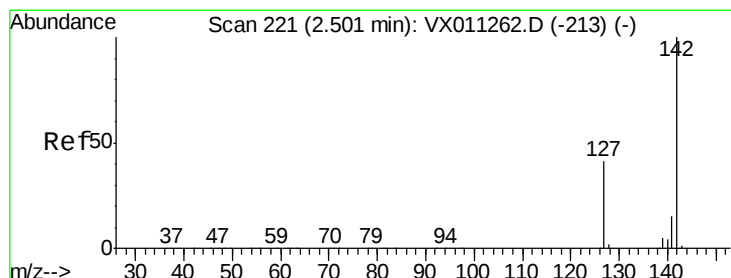
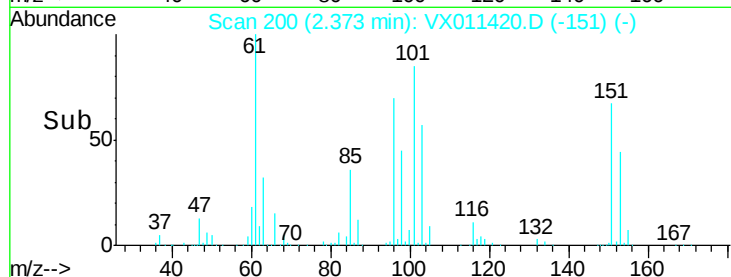
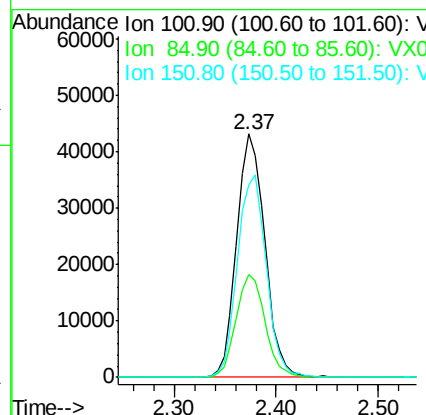
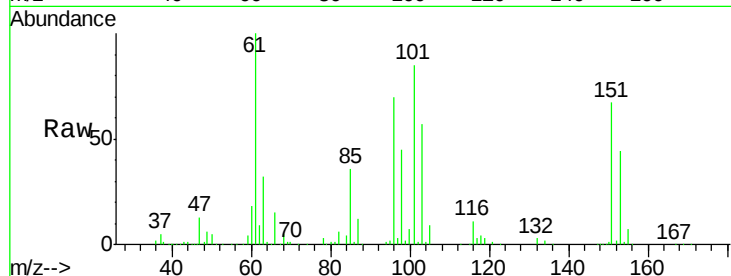
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	82716
Ion	Ratio	Lower	Upper
101	100		
85	43.3	33.8	50.6
151	84.9	69.5	104.3

Manual Integrations
APPROVED

MMDadoda
8/12/2019 10:30:20 AM



#10

Methyl Iodide

Concen: 45.467 ug/l

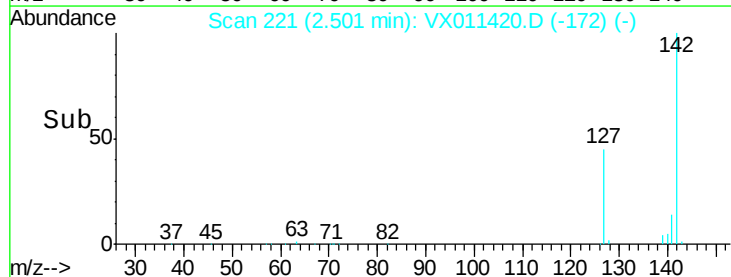
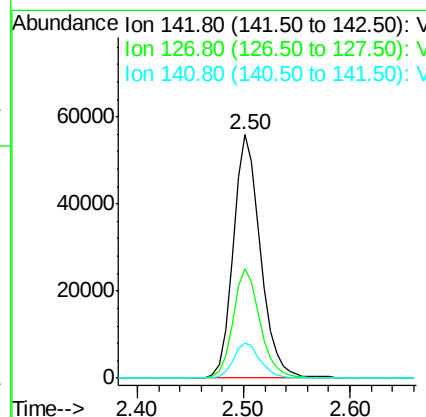
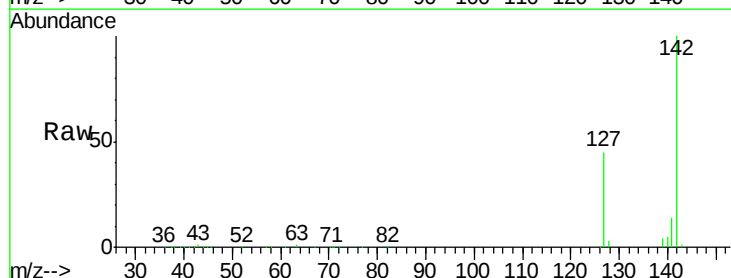
RT: 2.50 min Scan# 221

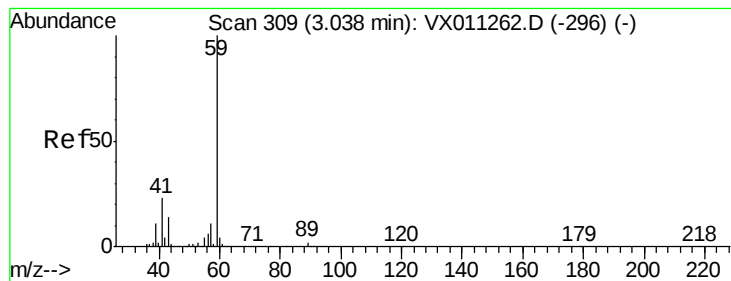
Delta R.T. -0.00 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Tgt Ion:	142	Resp:	99926
Ion	Ratio	Lower	Upper
142	100		
127	44.5	33.8	50.8
141	14.3	11.4	17.2





#11

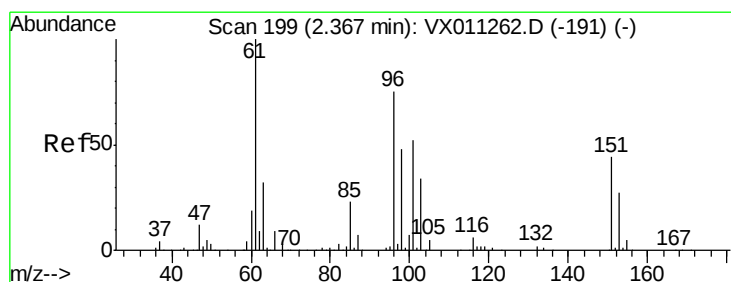
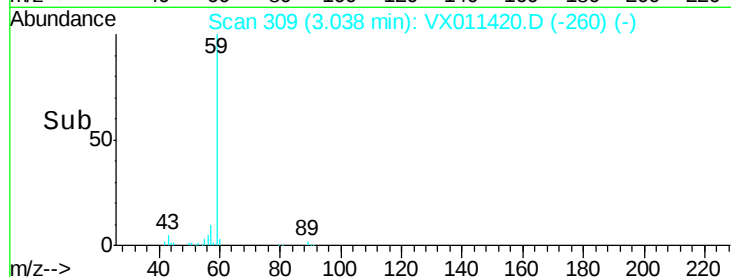
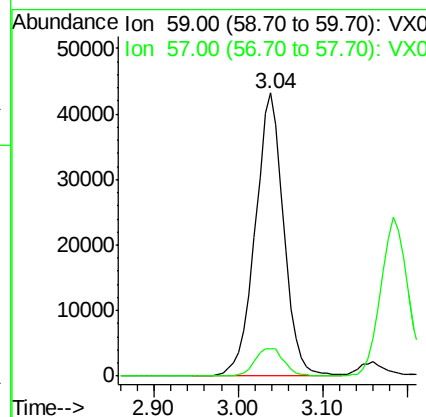
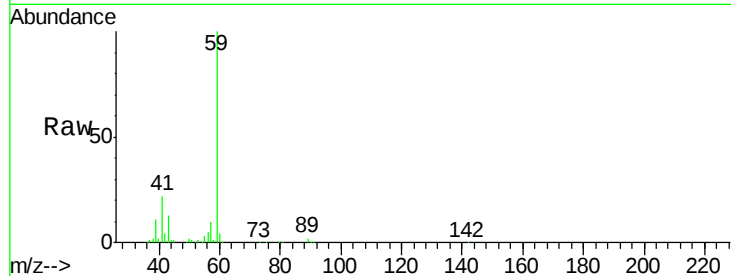
Tert butyl alcohol
Concen: 260.235 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.3	12.5

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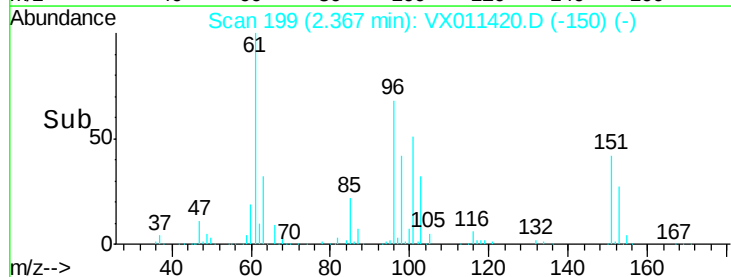
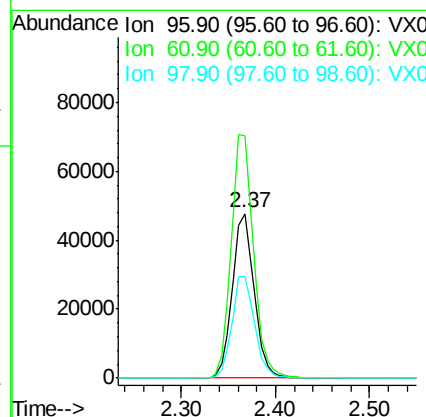
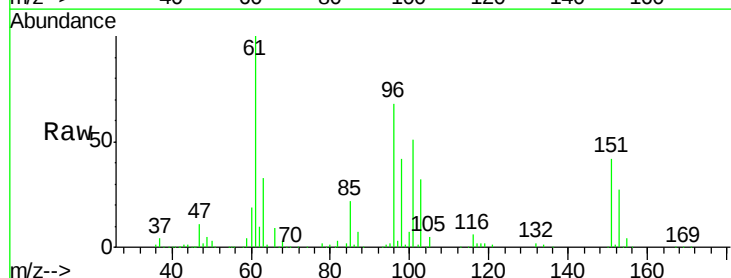
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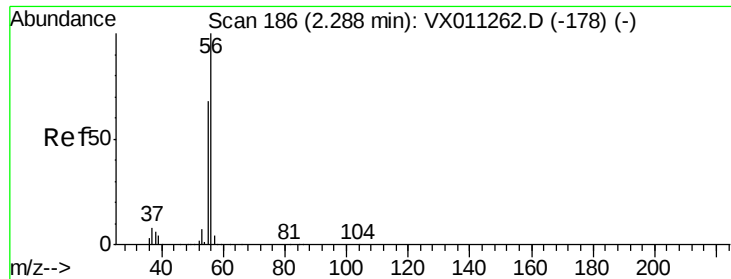


#12

1,1-Dichloroethene
Concen: 44.626 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.0	106.2	159.2
98	61.4	50.6	75.8





#13

Acrolein

Concen: 103.535 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 24599

Ion Ratio Lower Upper

56 100

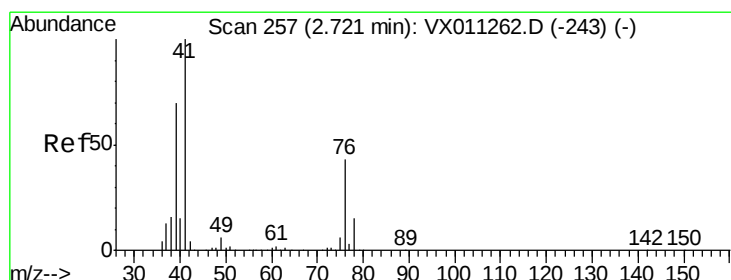
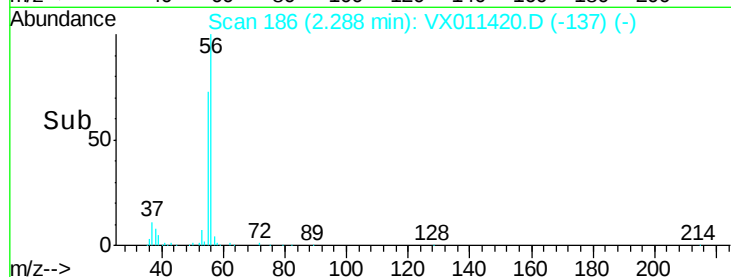
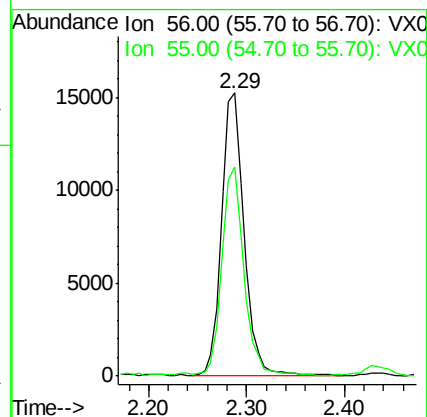
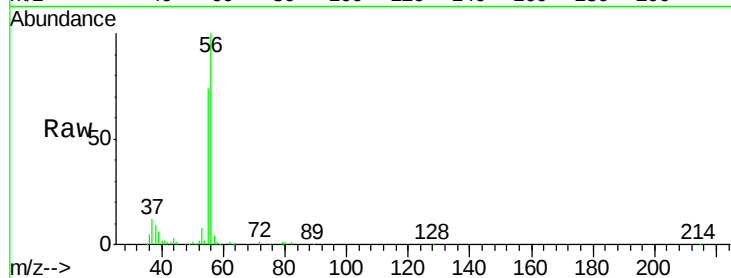
55 73.7 56.0 84.0

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#14

Allyl chloride

Concen: 51.914 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

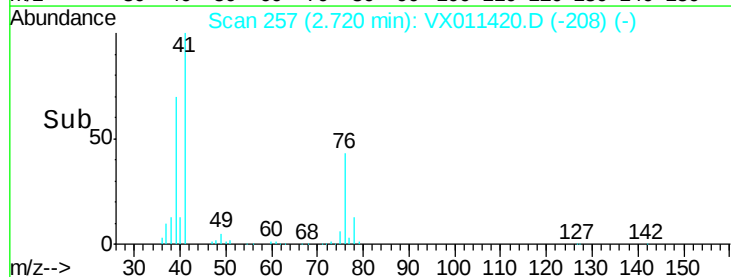
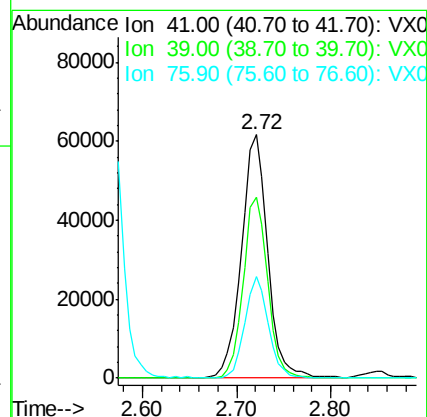
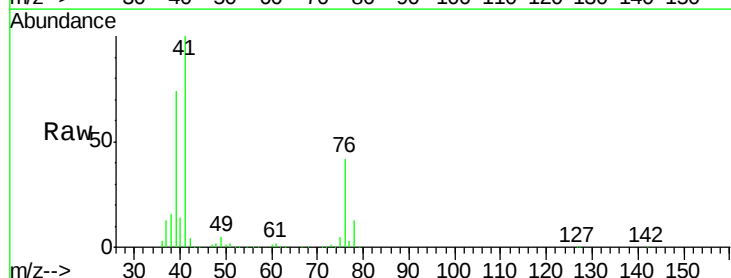
Tgt Ion: 41 Resp: 119594

Ion Ratio Lower Upper

41 100

39 69.0 52.8 79.2

76 37.5 31.1 46.7





#15

Acrylonitrile

Concen: 237.679 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Instrument :

MSVOA_X

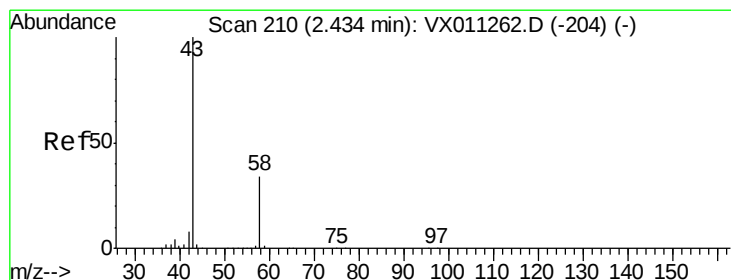
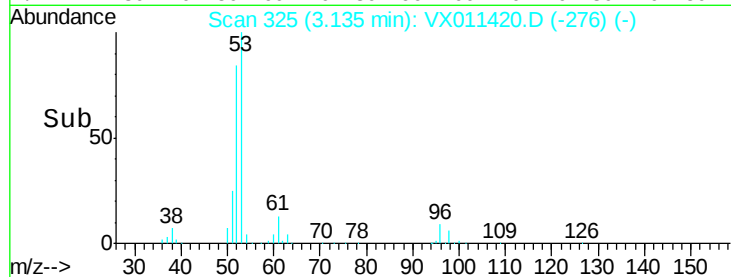
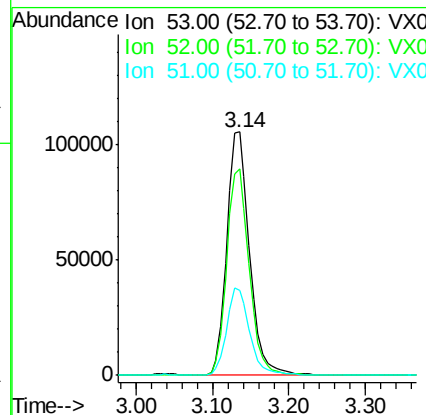
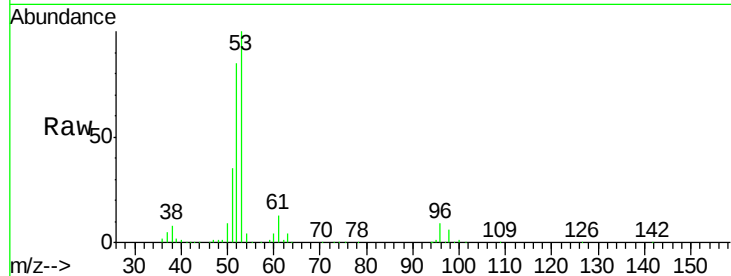
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	216323
Ion Ratio	Lower	Upper	
53	100		
52	84.3	65.5	98.3
51	36.2	27.9	41.9

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#16

Acetone

Concen: 284.612 ug/l

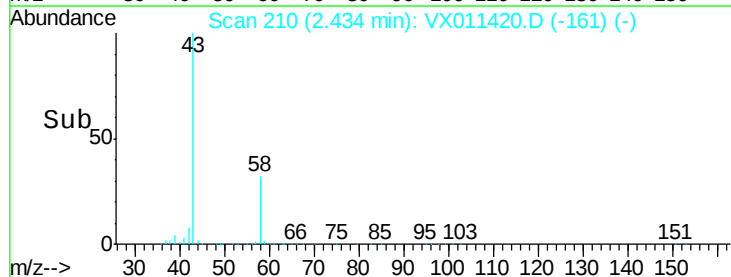
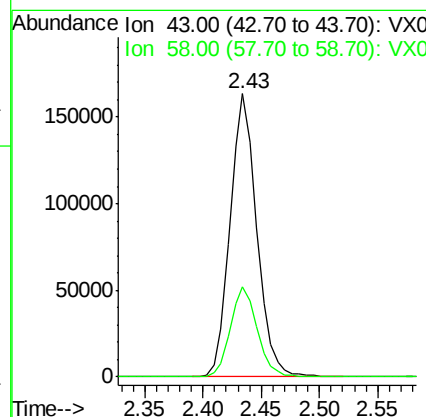
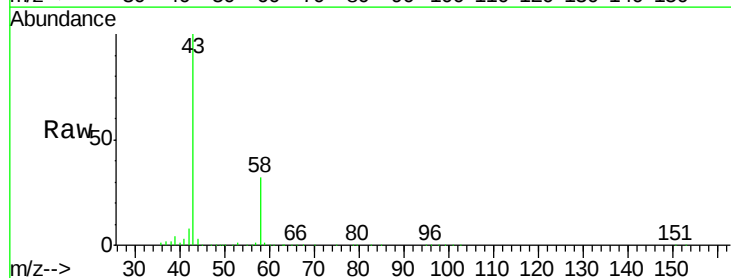
RT: 2.43 min Scan# 210

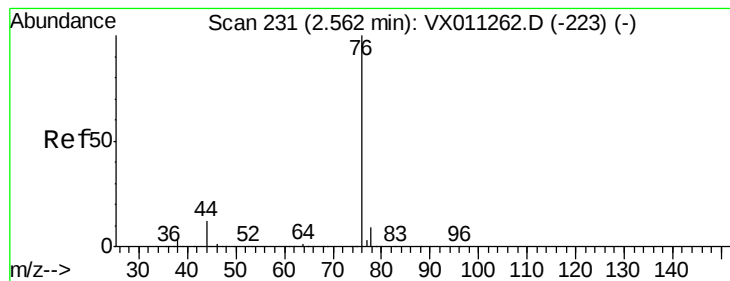
Delta R.T. -0.00 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Tgt Ion:	43	Resp:	259108
Ion Ratio	Lower	Upper	
43	100		
58	31.6	27.4	41.0





#17

Carbon Disulfide

Concen: 44.816 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.00 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 181732

Ion Ratio Lower Upper

76 100

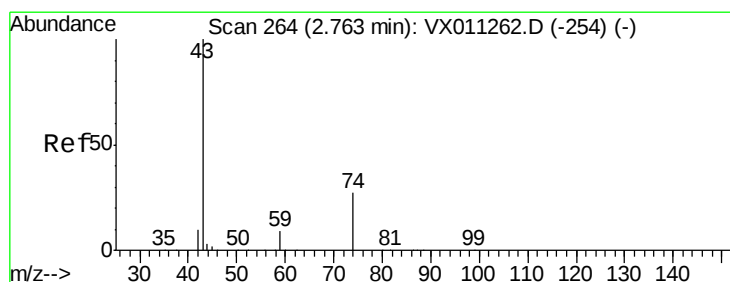
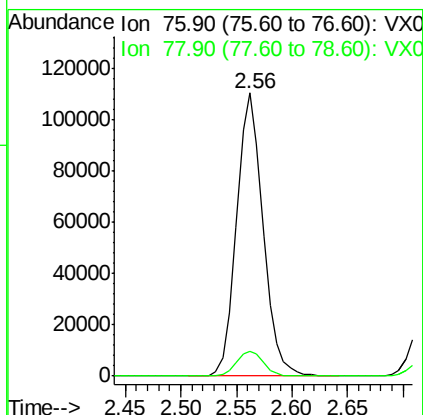
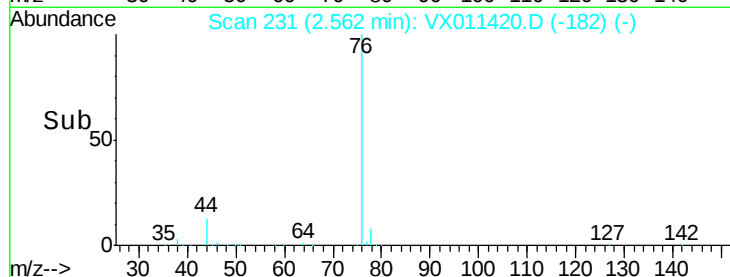
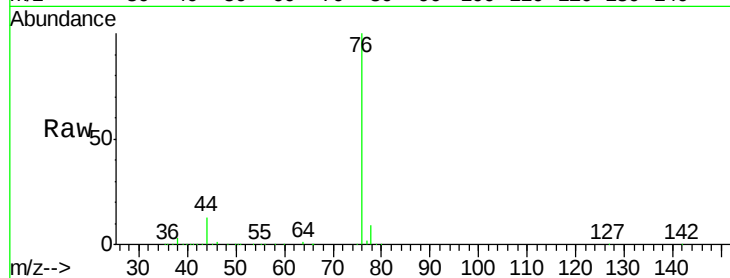
78 8.6 7.4 11.0

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#18

Methyl Acetate

Concen: 49.500 ug/l

RT: 2.76 min Scan# 264

Delta R.T. -0.00 min

Lab File: VX011420.D

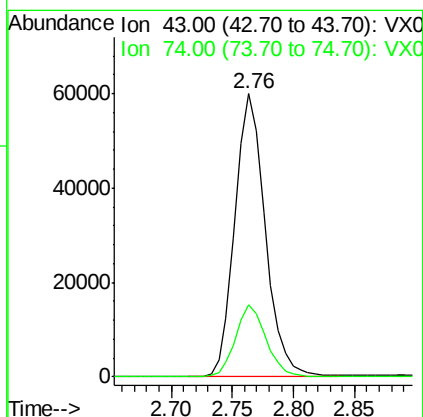
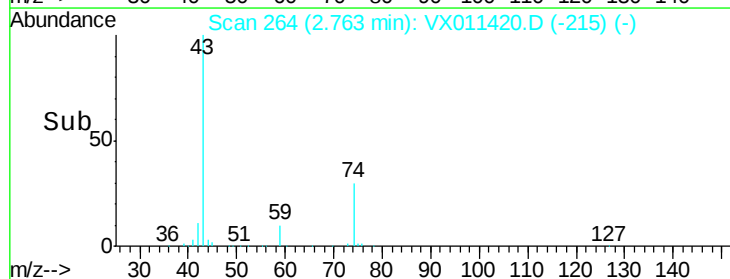
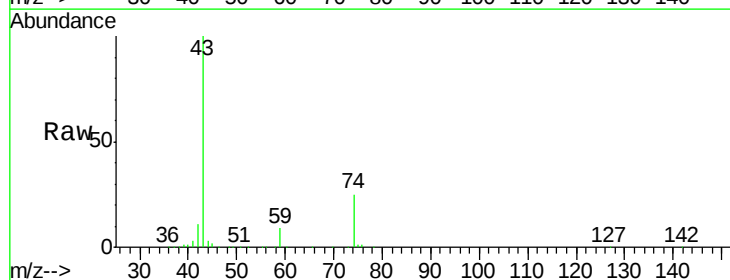
Acq: 11 Aug 2019 10:33

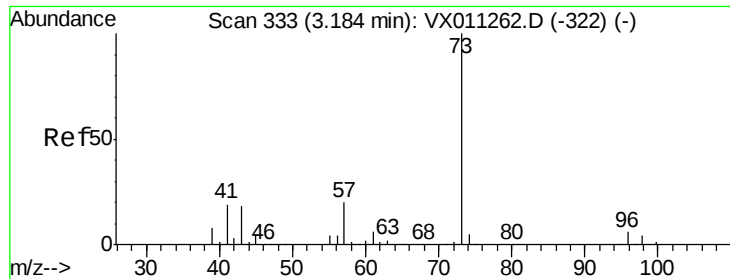
Tgt Ion: 43 Resp: 102984

Ion Ratio Lower Upper

43 100

74 25.9 21.0 31.6





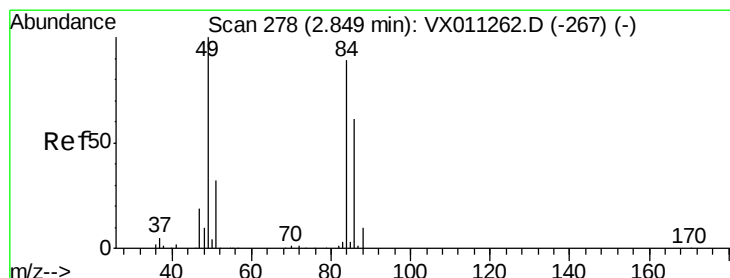
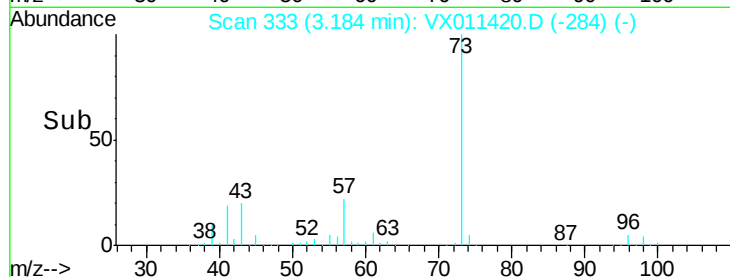
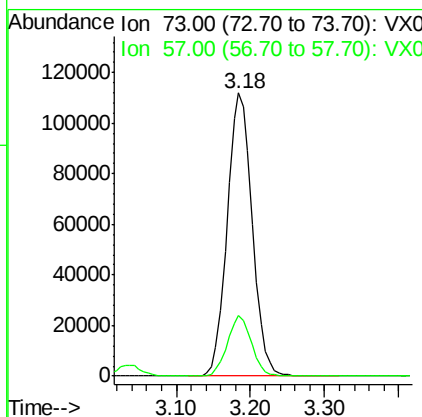
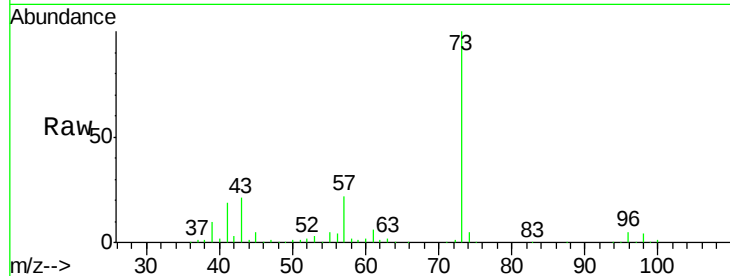
#19
Methyl tert-butyl Ether
Concen: 51.566 ug/l
RT: 3.18 min Scan# 333
Delta R.T. -0.00 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	16.2	24.2

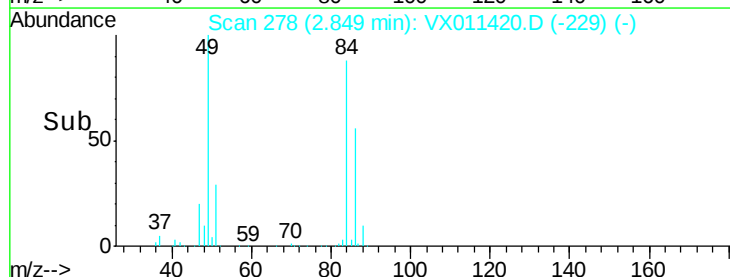
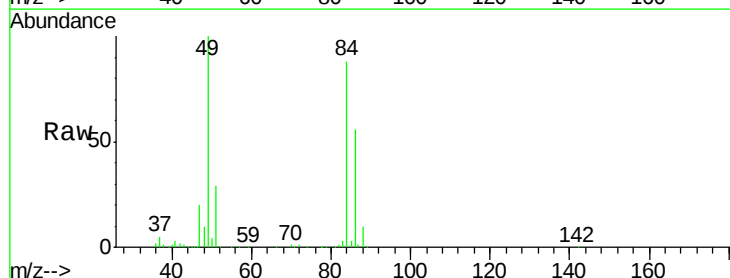
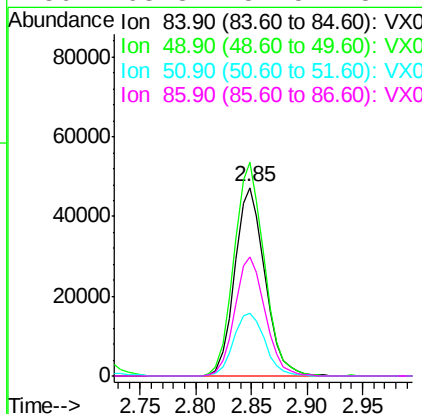
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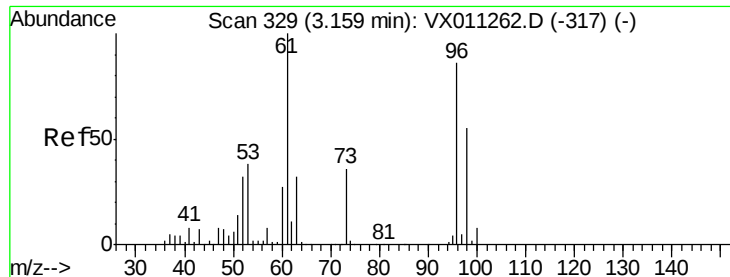
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#20
Methylene Chloride
Concen: 44.433 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.2	89.3	133.9
51	32.9	28.3	42.5
86	63.3	54.5	81.7





#21

trans-1,2-Dichloroethene

Concen: 45.458 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Instrument :

MSVOA_X

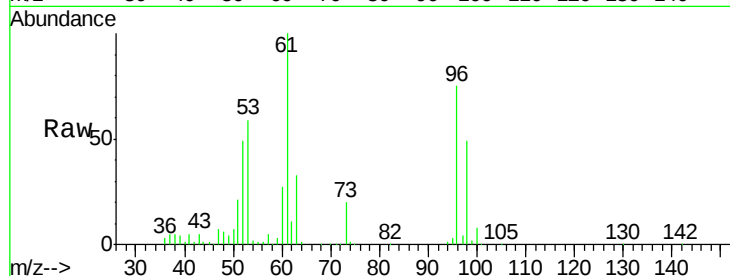
ClientSampleId :

VSTDCCC050

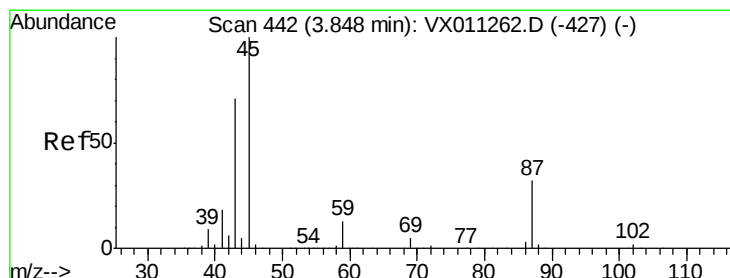
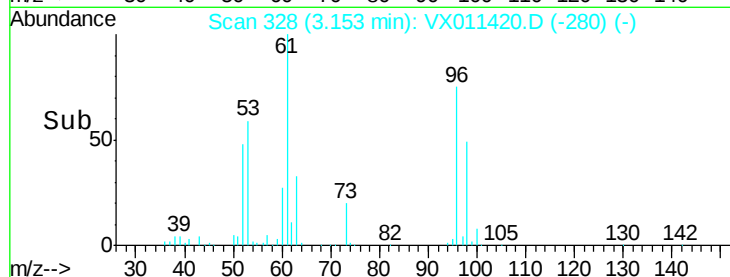
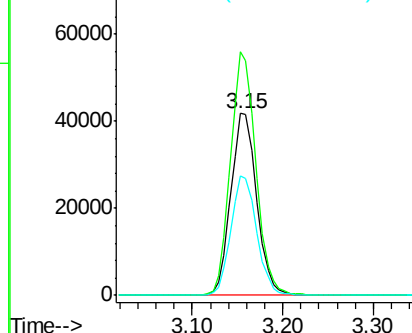
Tot Ion:	96	Resp:	83095
Ion	Ratio	Lower	Upper
96	100		
61	133.8	92.8	139.2
98	66.1	51.2	76.8

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



#22

Diisopropyl ether

Concen: 49.885 ug/l

RT: 3.85 min Scan# 442

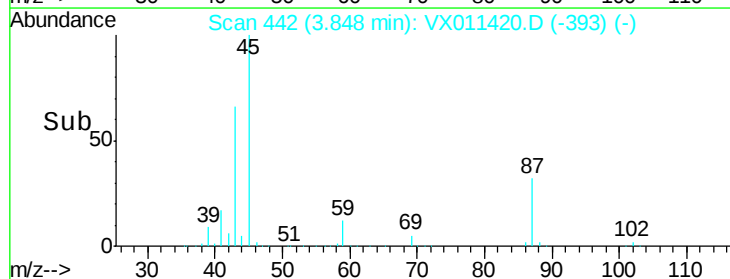
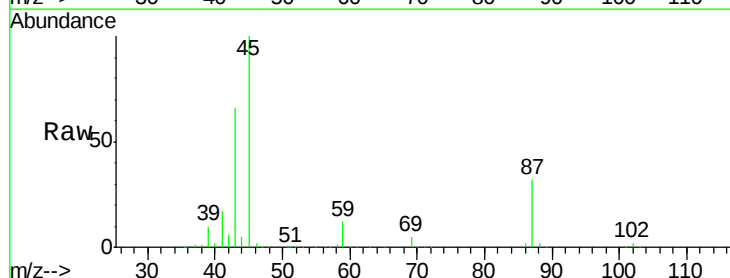
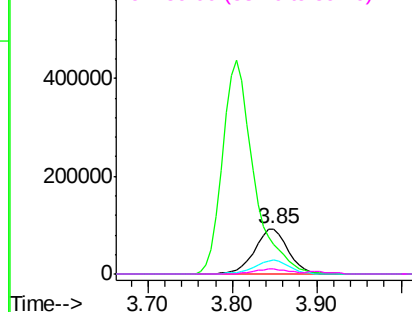
Delta R.T. -0.00 min

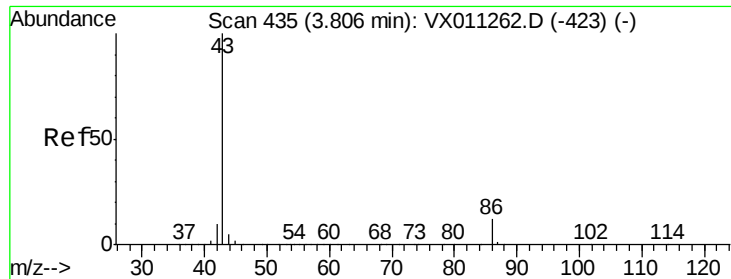
Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Tgt Ion:	45	Resp:	252574
Ion	Ratio	Lower	Upper
45	100		
43	66.1	56.8	85.2
87	31.9	25.8	38.6
59	12.2	10.3	15.5

Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 265.562 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.00 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1115199

Ion Ratio Lower Upper

43 100

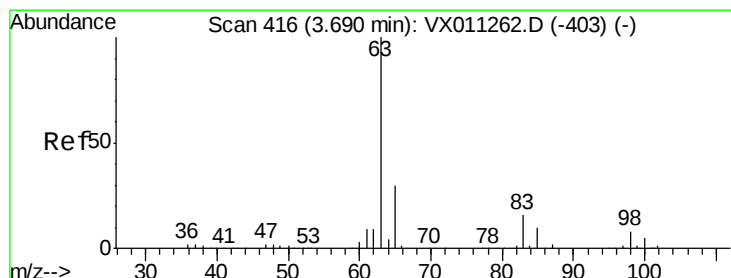
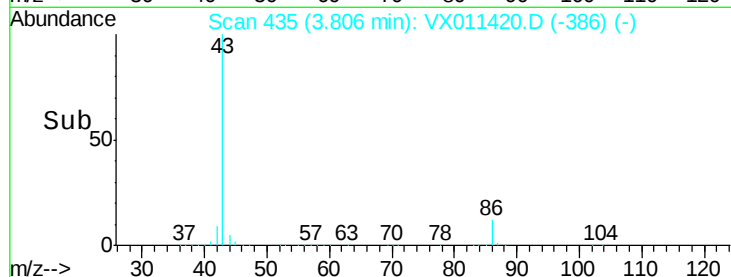
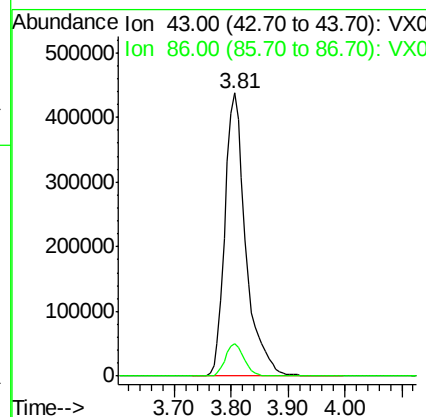
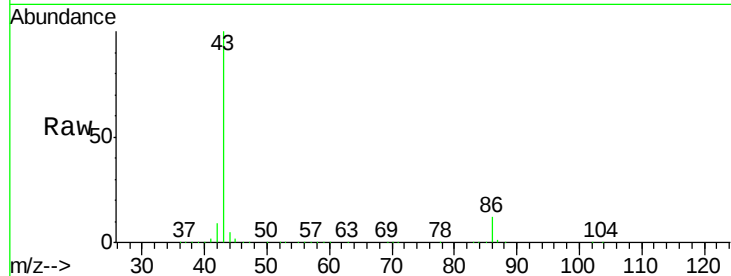
86 11.7 9.6 14.4

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#24

1,1-Dichloroethane

Concen: 48.805 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

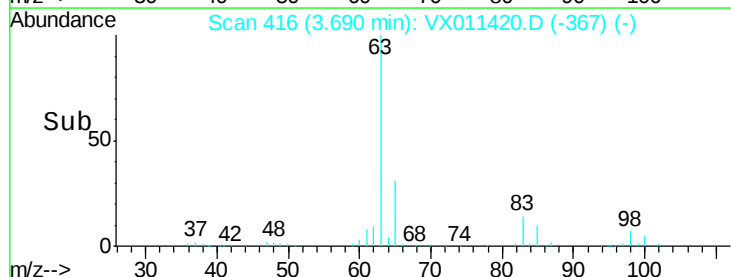
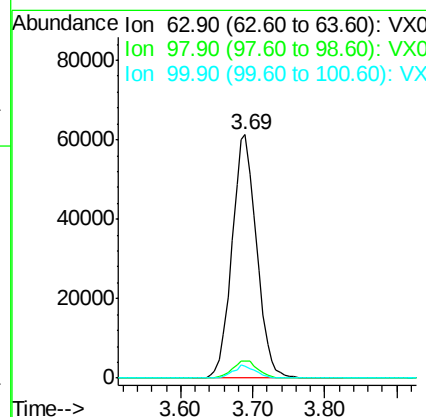
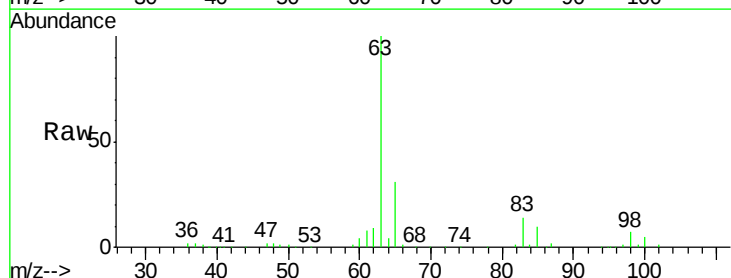
Tgt Ion: 63 Resp: 145709

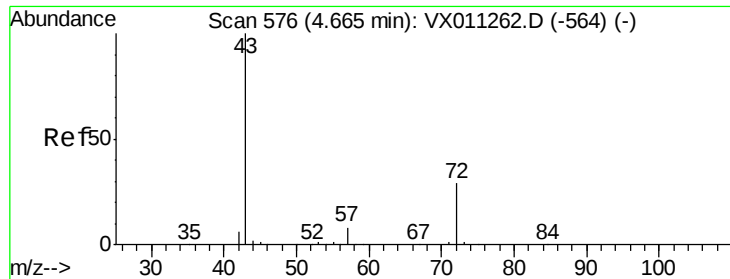
Ion Ratio Lower Upper

63 100

98 6.8 3.9 11.5

100 4.8 2.7 8.1





#25

2-Butanone

Concen: 260.128 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 336875

Ion Ratio Lower Upper

43 100

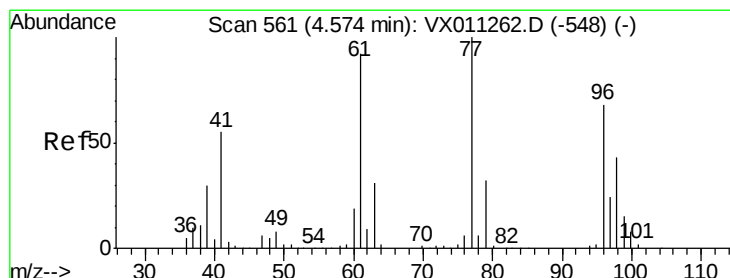
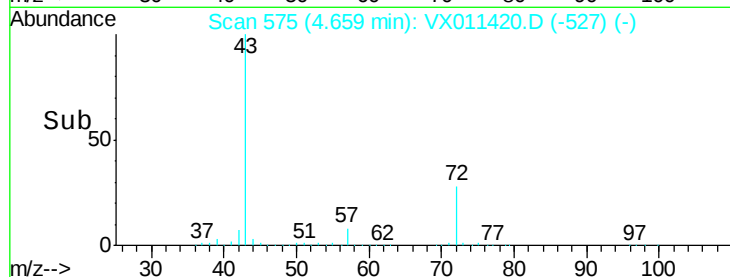
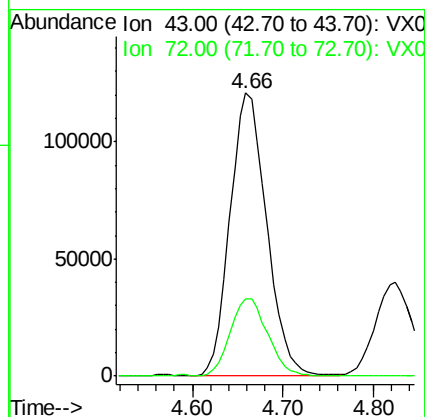
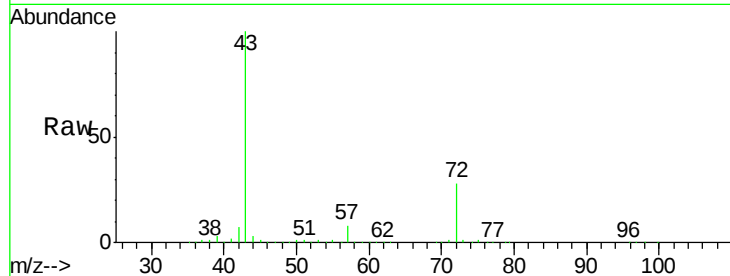
72 27.4 23.2 34.8

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#26

2,2-Dichloropropane

Concen: 56.378 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.00 min

Lab File: VX011420.D

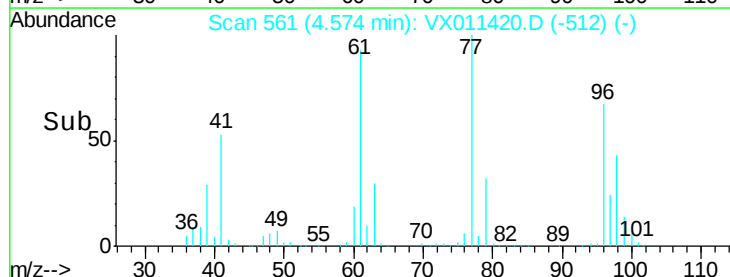
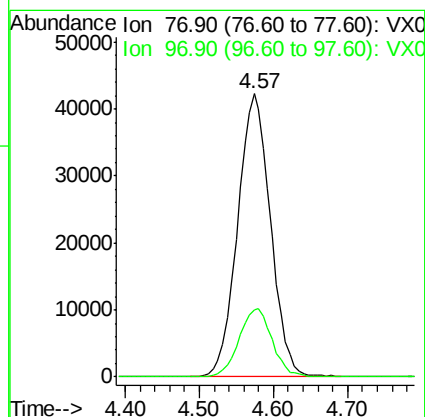
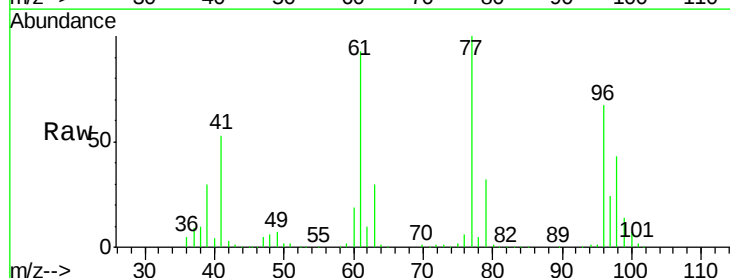
Acq: 11 Aug 2019 10:33

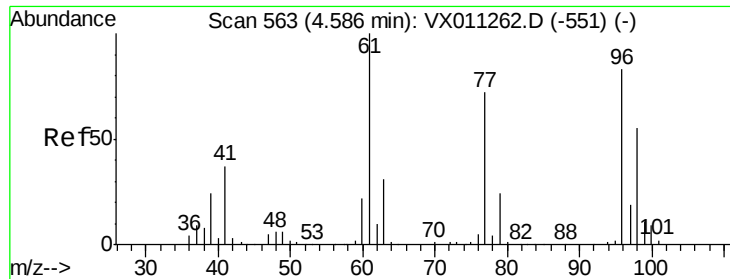
Tgt Ion: 77 Resp: 130842

Ion Ratio Lower Upper

77 100

97 24.2 12.8 38.4





#27

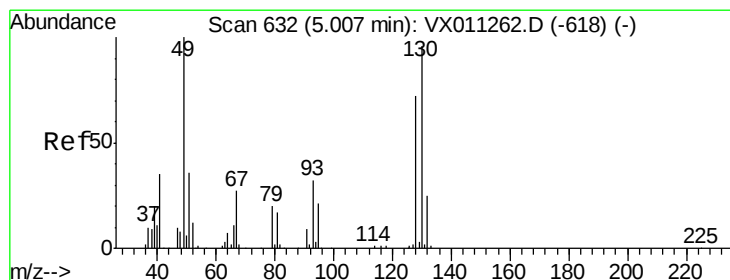
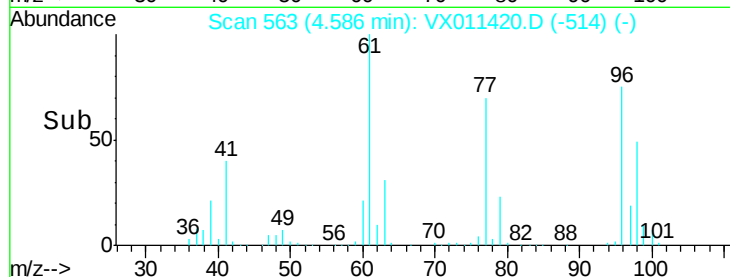
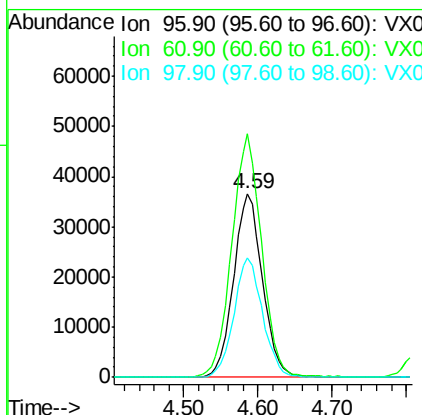
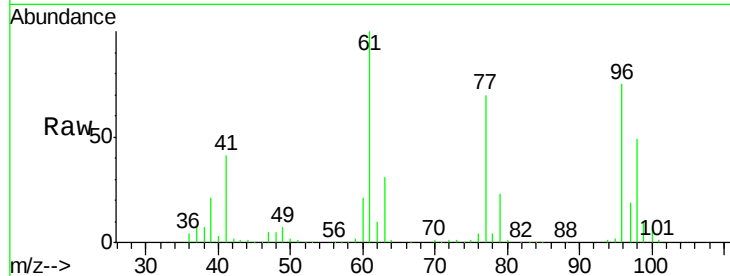
cis-1,2-Dichloroethene
Concen: 47.264 ug/l
RT: 4.59 min Scan# 563
Delta R.T. -0.00 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.0	0.0	260.2
98	64.8	0.0	133.2

Manual Integrations
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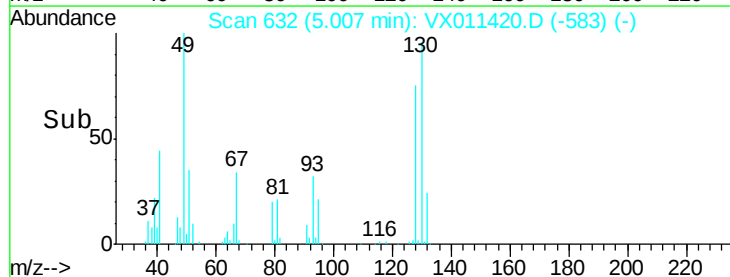
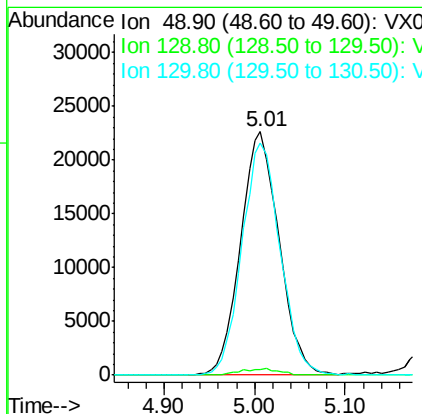
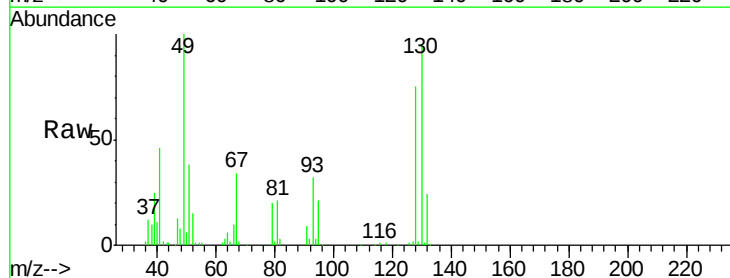
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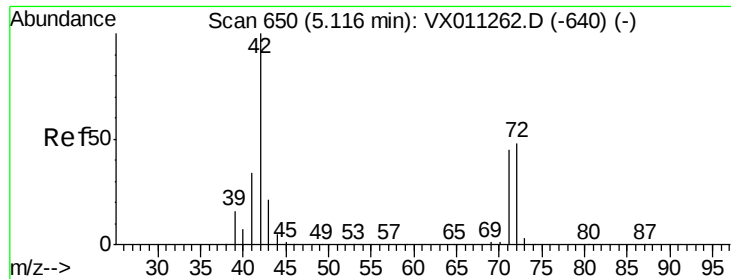


#28

Bromochloromethane
Concen: 49.015 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.00 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.8
130	94.9	77.9	116.9





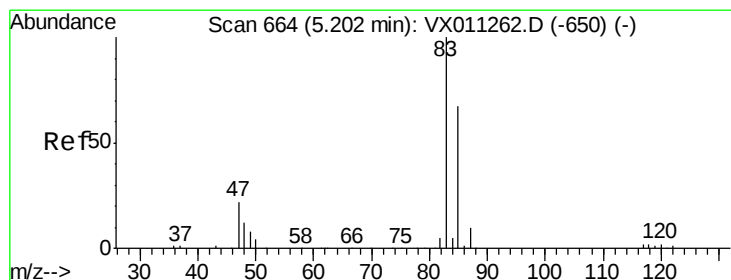
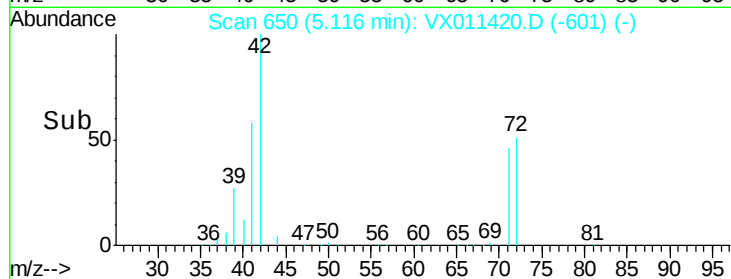
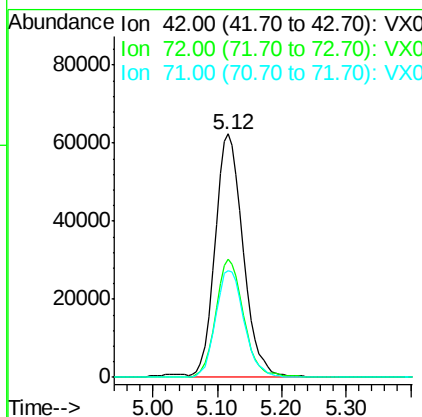
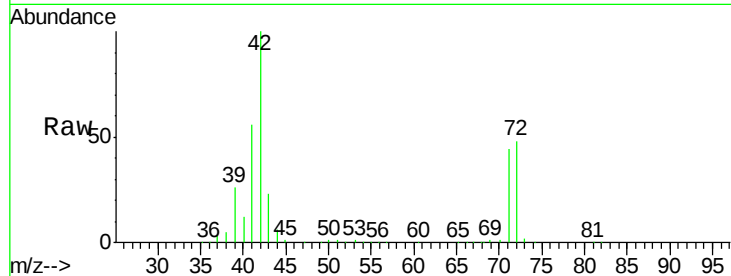
#29
Tetrahydrofuran
Concen: 239.314 ug/l
RT: 5.12 min Scan# 650
Delta R.T. -0.00 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.6	39.9	59.9
71	44.9	36.9	55.3

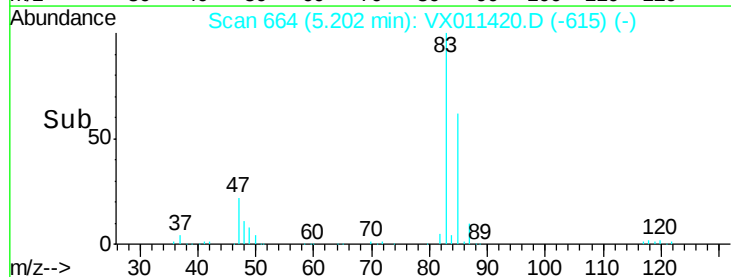
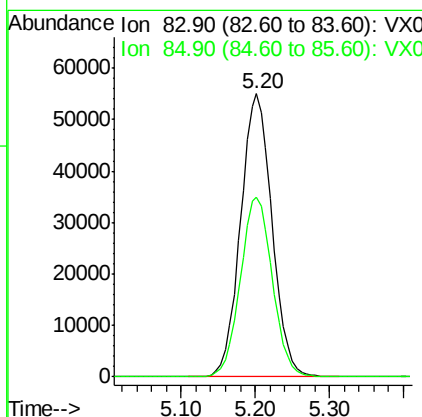
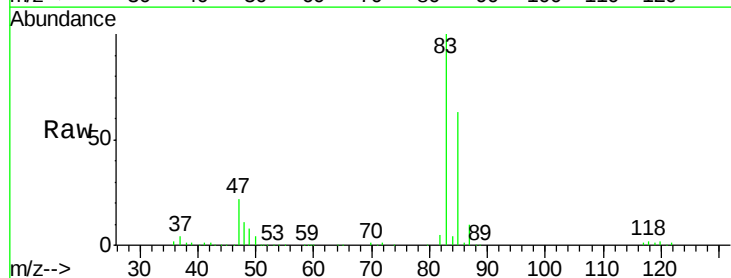
Manual Integrations
APPROVED

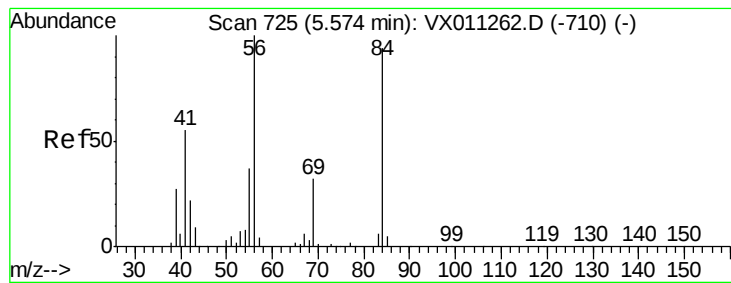
MMDadoda
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#30
Chloroform
Concen: 50.190 ug/l
RT: 5.20 min Scan# 664
Delta R.T. -0.00 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	53.4	80.0





#31

Cyclohexane

Concen: 47.795 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Instrument :

MSVOA_X

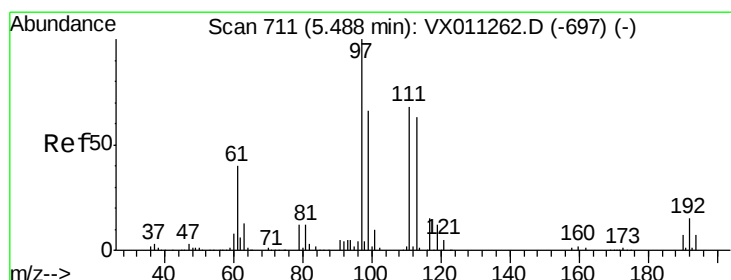
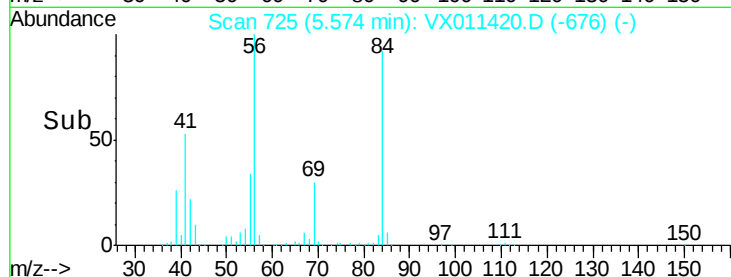
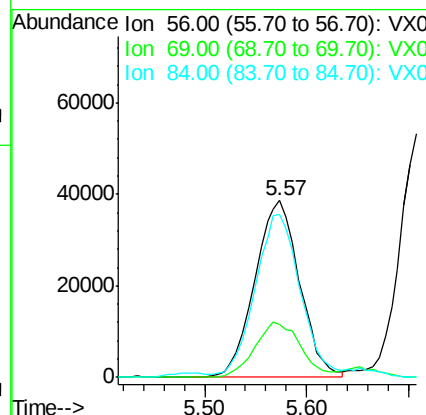
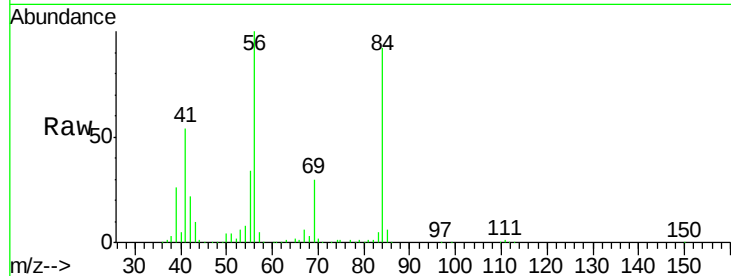
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	117725
Ion Ratio	Lower	Upper	
56	100		
69	30.2	25.5	38.3
84	89.8	75.0	112.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.141 ug/l

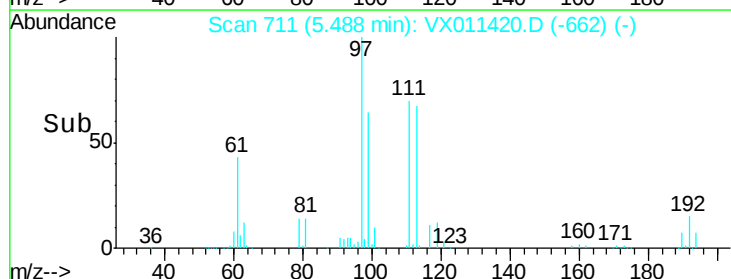
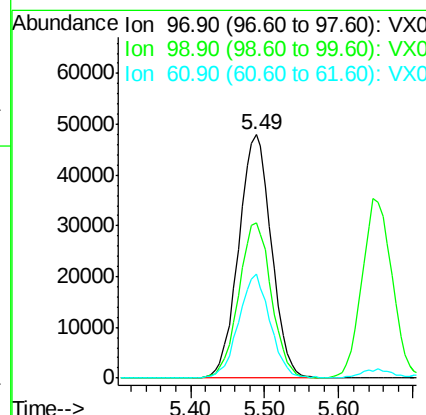
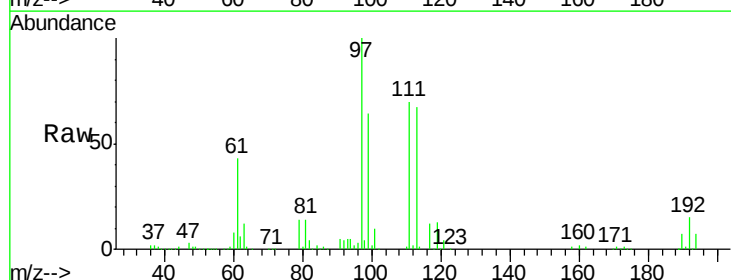
RT: 5.49 min Scan# 711

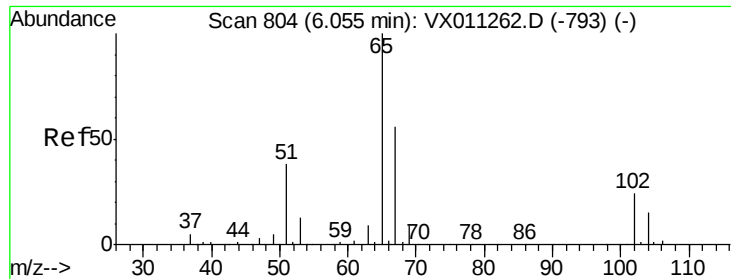
Delta R.T. -0.00 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Tgt Ion:	97	Resp:	147714
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.6	77.4
61	41.3	32.3	48.5





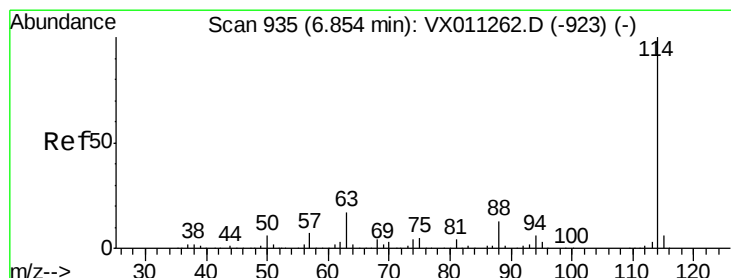
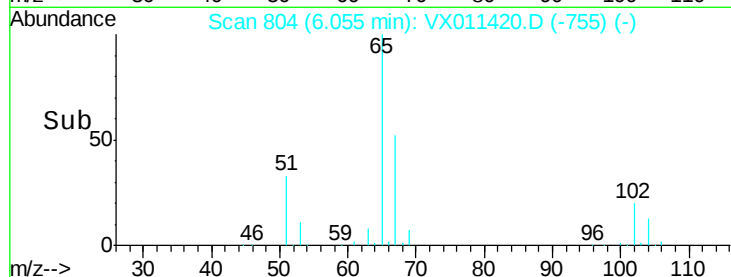
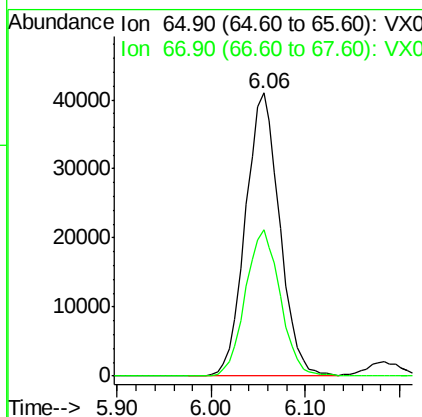
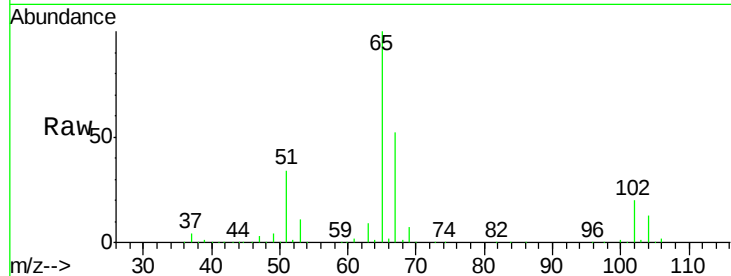
#33
 1,2-Dichloroethane-d4
 Concen: 54.696 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX011420.D
 Acq: 11 Aug 2019 10:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	104615		
67	52.6	0.0	110.6	

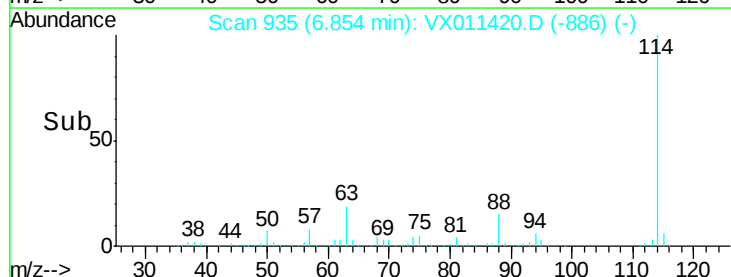
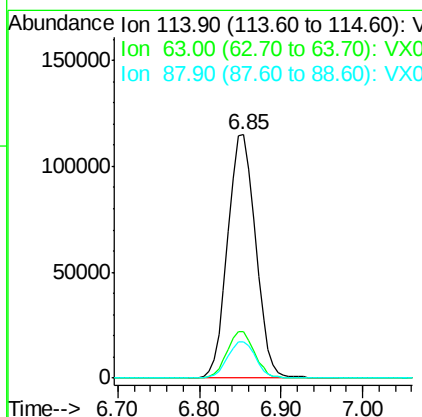
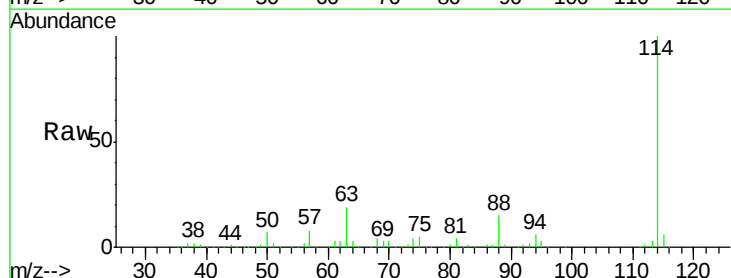
Manual Integrations
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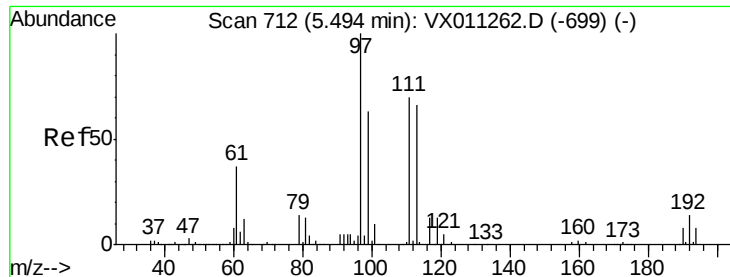
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX011420.D
 Acq: 11 Aug 2019 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	272947		
63	19.0	0.0	34.0	
88	15.0	0.0	26.4	





#35

Dibromofluoromethane

Concen: 51.837 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Instrument :

MSVOA_X

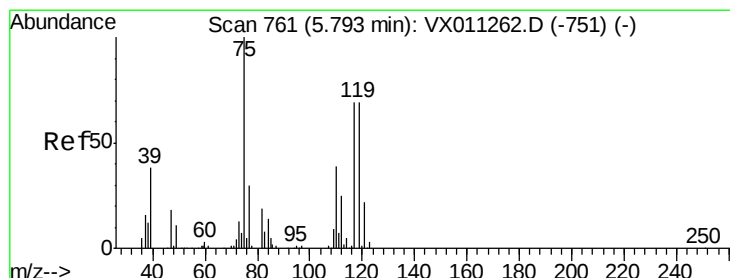
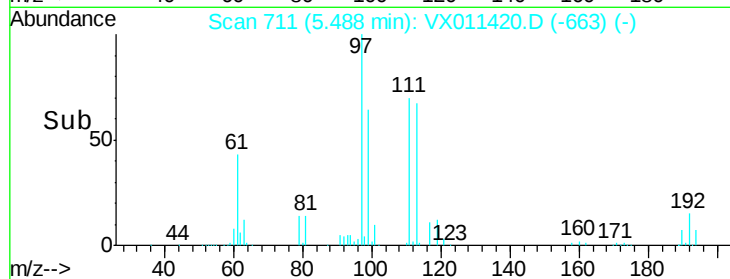
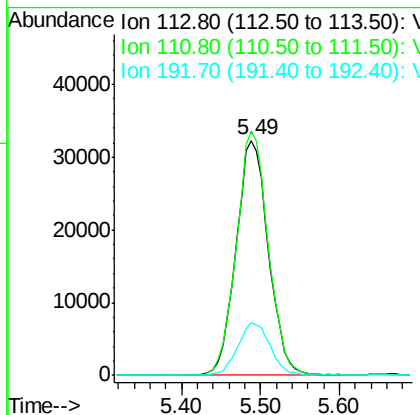
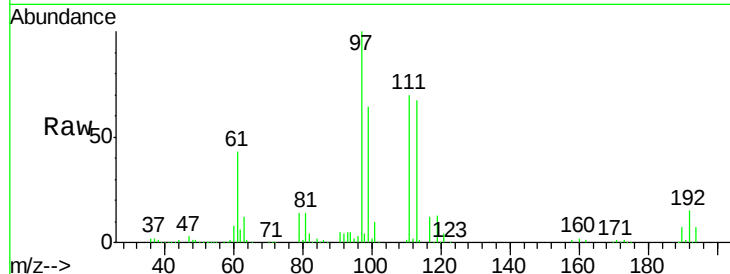
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	92374
Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.9	122.9
192	22.4	17.8	26.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.231 ug/l

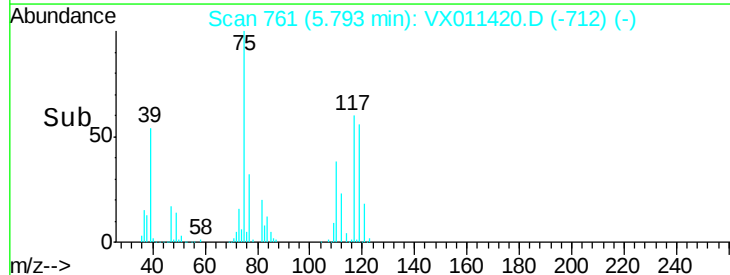
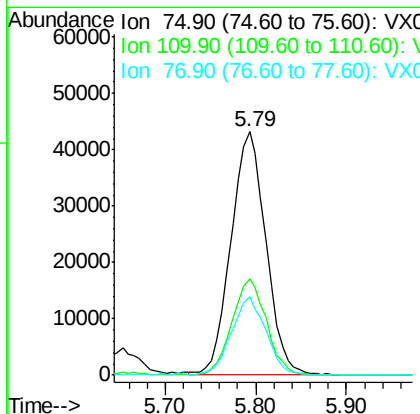
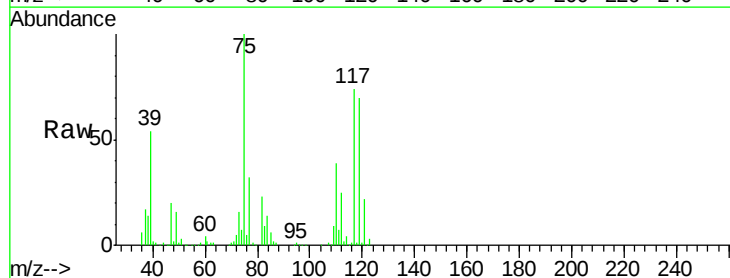
RT: 5.79 min Scan# 761

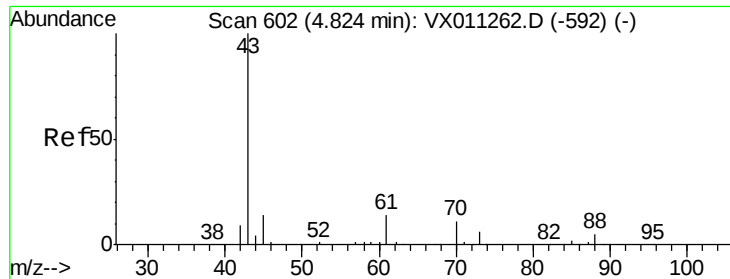
Delta R.T. -0.00 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Tgt Ion:	75	Resp:	114938
Ion	Ratio	Lower	Upper
75	100		
110	39.2	20.0	59.9
77	31.7	24.8	37.2





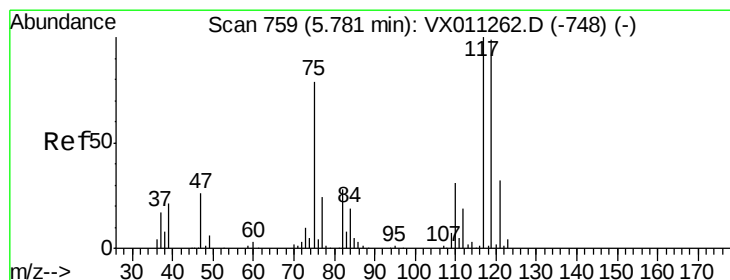
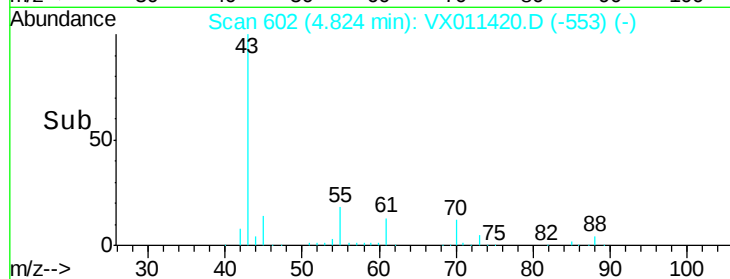
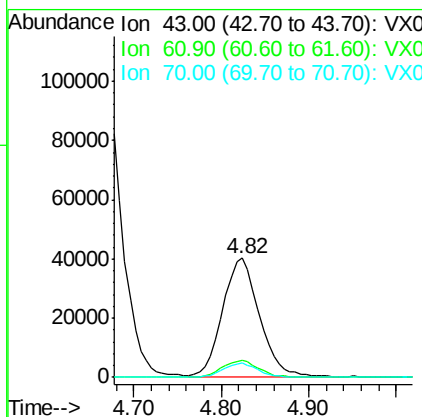
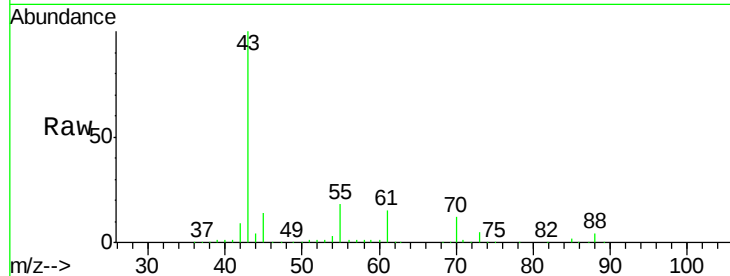
#37
Ethyl Acetate
Concen: 48.663 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.00 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.6	18.8
70	11.4	9.1	13.7

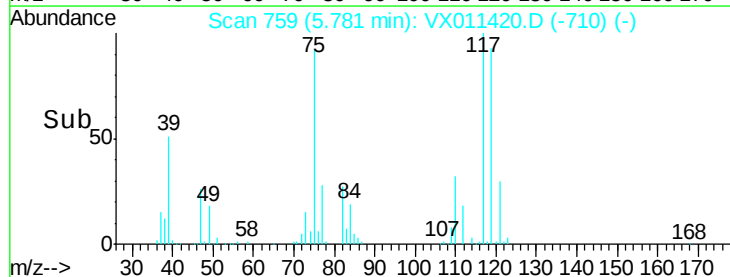
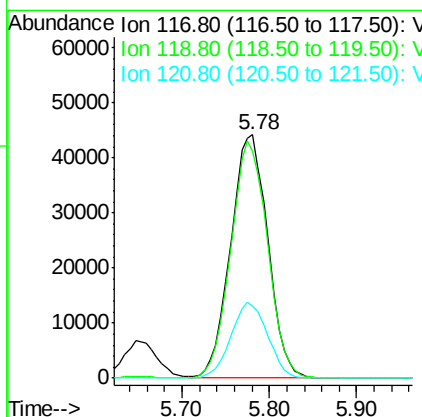
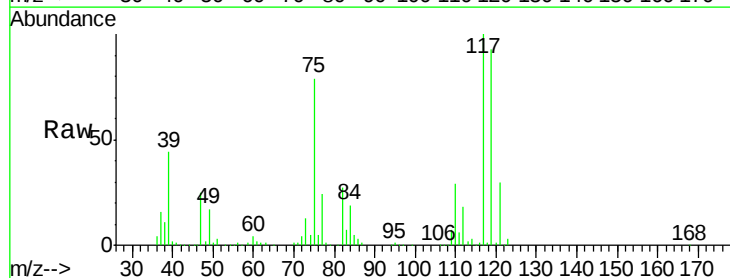
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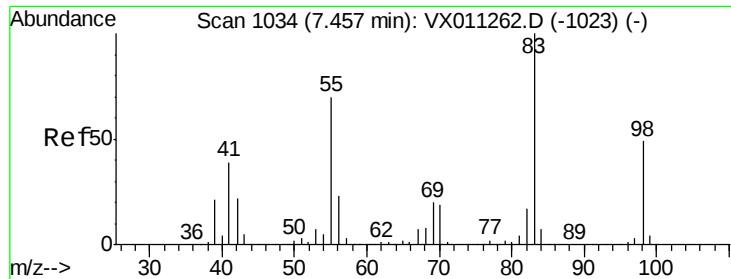
MMDadoda
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#38
Carbon Tetrachloride
Concen: 54.475 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	79.0	118.4
121	29.7	25.9	38.9





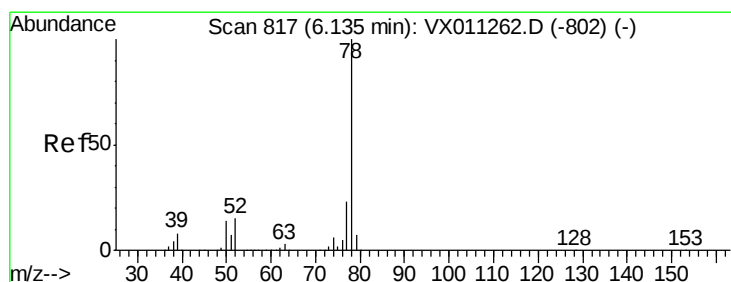
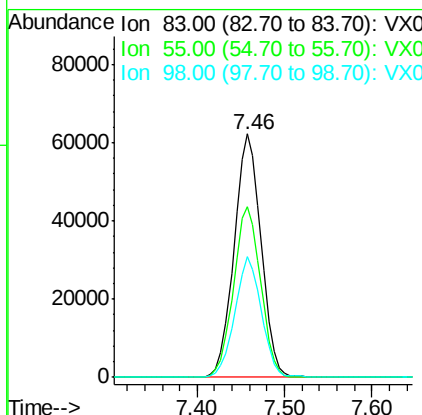
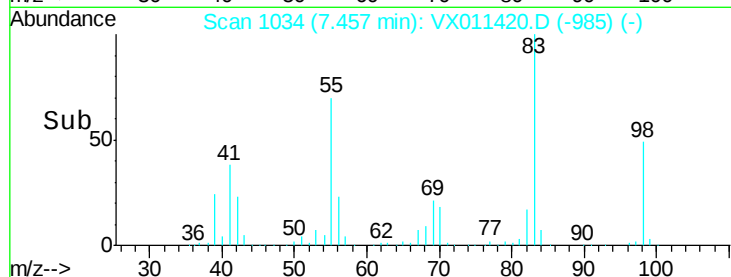
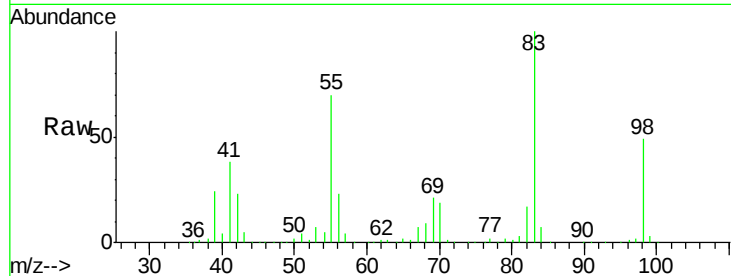
#39
Methvlcvclohexane
Concen: 47.216 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.2	56.1	84.1
98	49.3	39.0	58.4

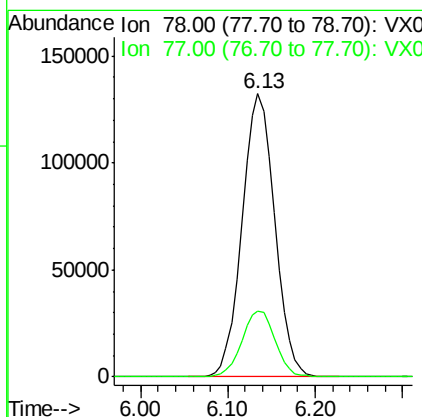
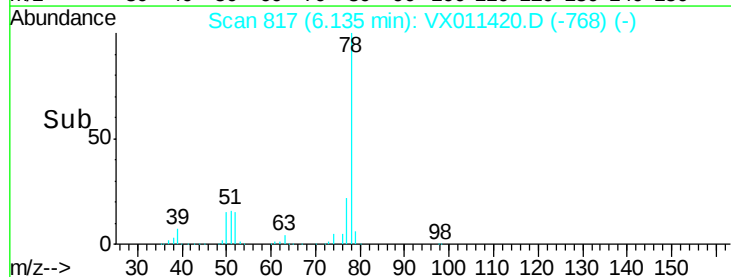
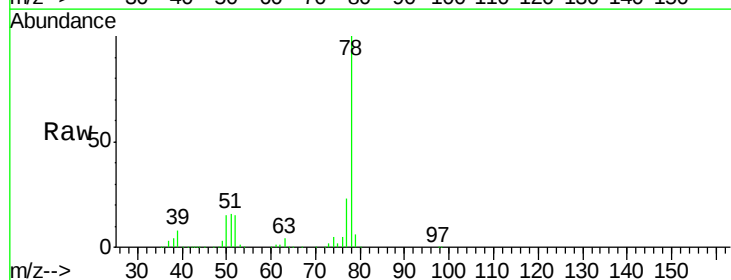
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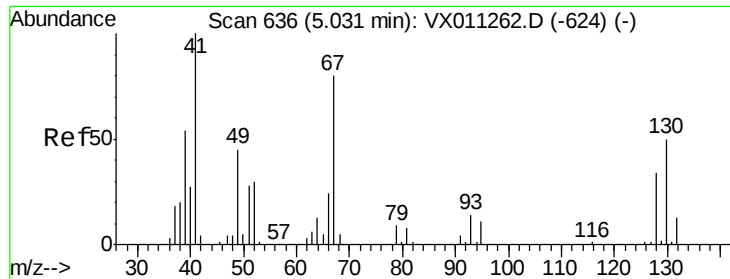
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#40
Benzene
Concen: 48.315 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.00 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.2	27.2





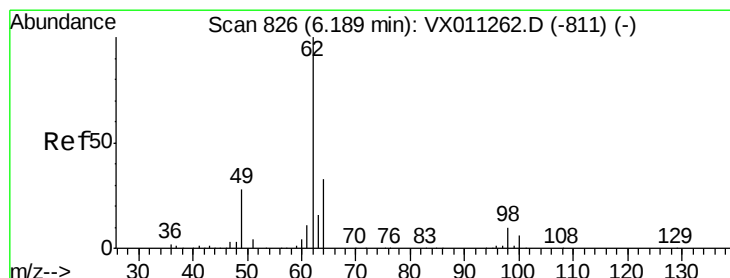
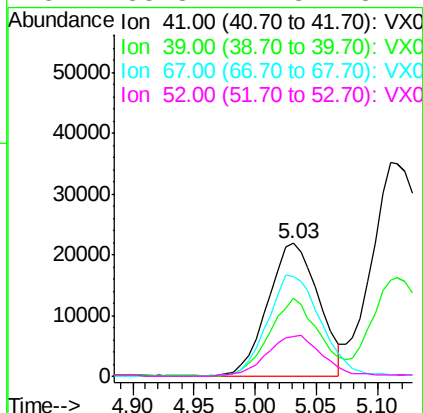
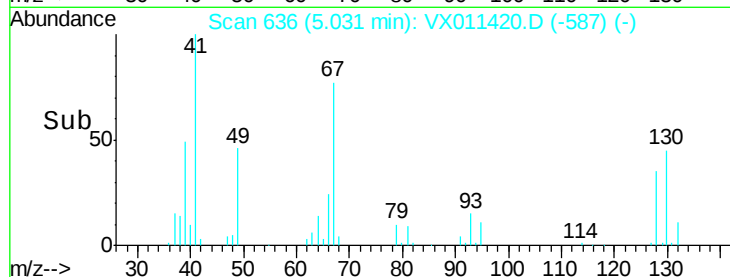
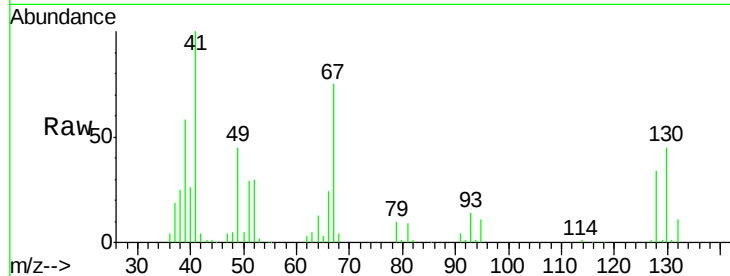
#41
Methacrylonitrile
Concen: 48.311 ug/l
RT: 5.03 min Scan# 636
Delta R.T. -0.00 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.2	43.0	64.6	
67	80.5	65.1	97.7	
52	33.3	24.8	37.2	

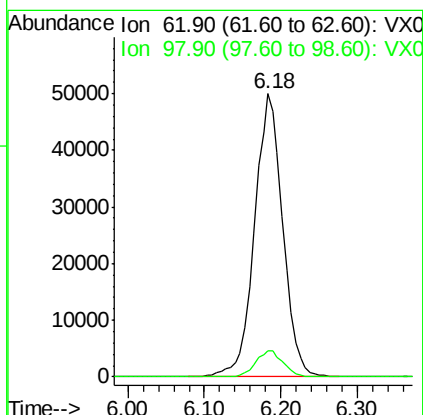
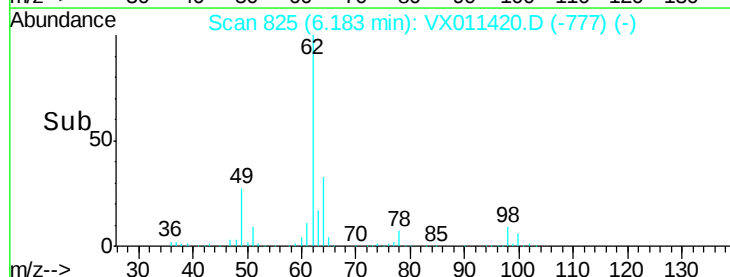
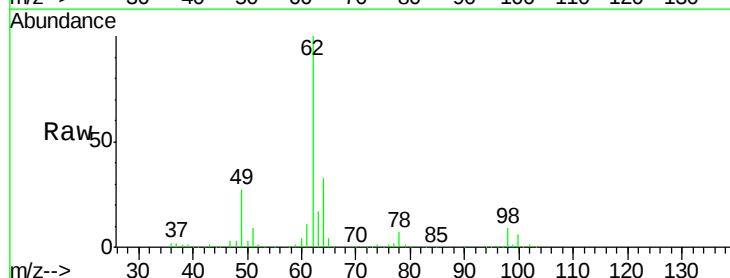
Manual Integrations
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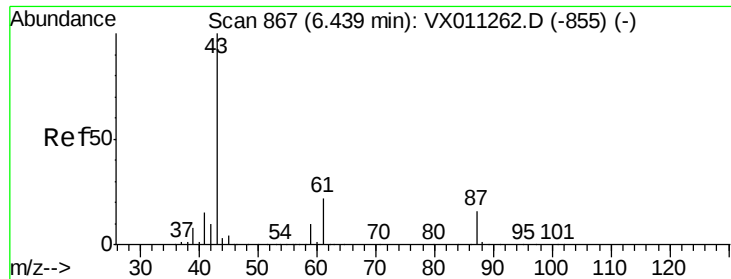
MMDadoda
8/12/2019 10:30:20 AM



#42
1,2-Dichloroethane
Concen: 53.442 ug/l
RT: 6.18 min Scan# 825
Delta R.T. -0.01 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	20.6	





#43

Isopropyl Acetate

Concen: 51.035 ug/l

RT: 6.43 min Scan# 866

Delta R.T. -0.01 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Instrument :

MSVOA_X

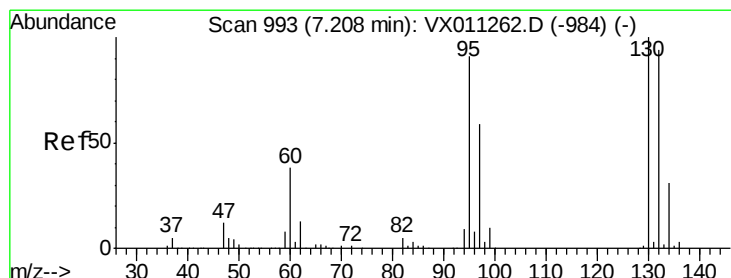
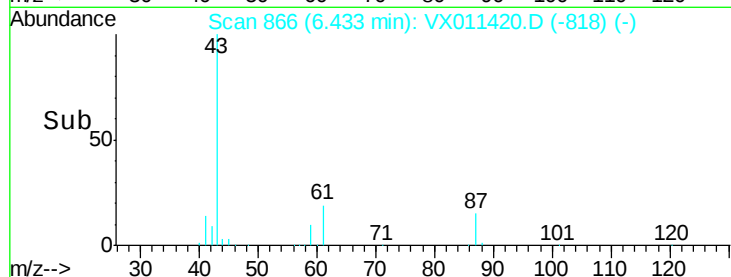
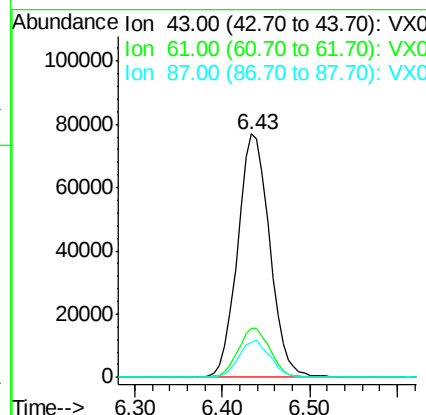
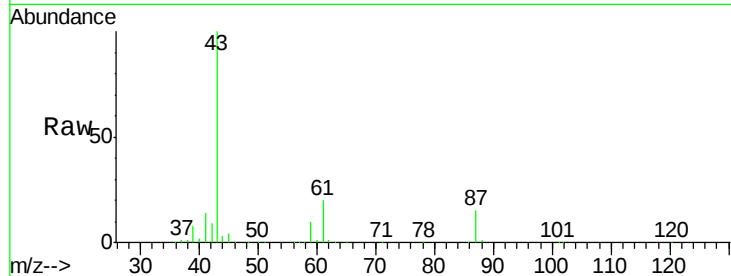
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	195041
Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.5	24.7
87	15.0	12.1	18.1

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#44

Trichloroethene

Concen: 47.224 ug/l

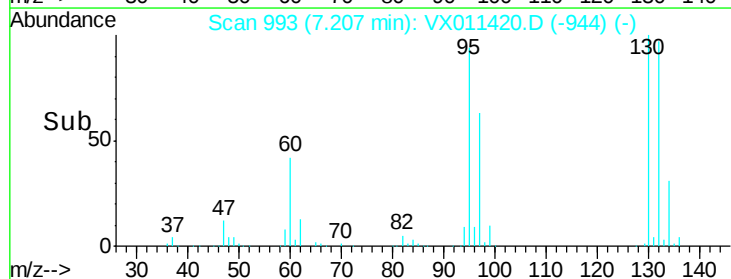
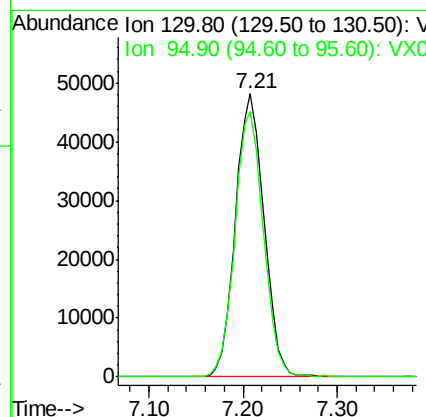
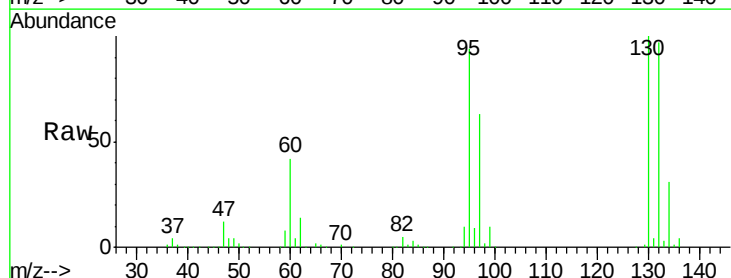
RT: 7.21 min Scan# 993

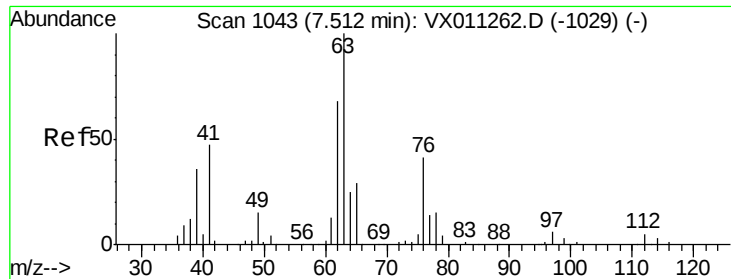
Delta R.T. -0.00 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Tgt Ion:	130	Resp:	101649
Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	182.6





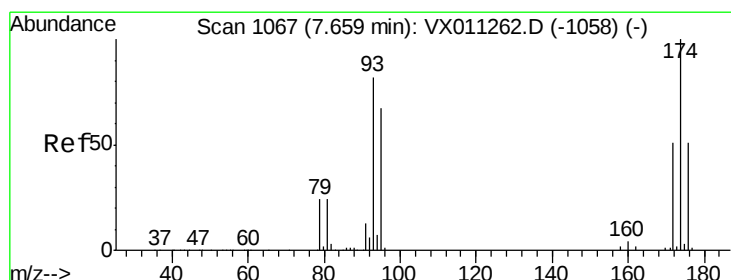
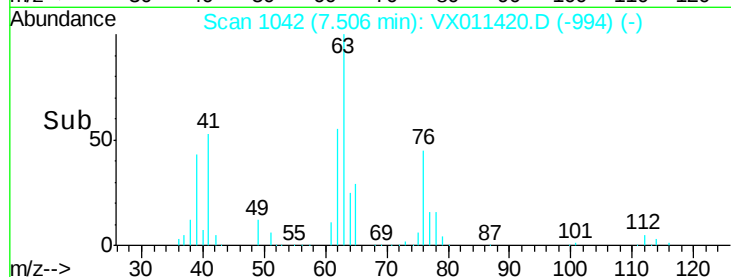
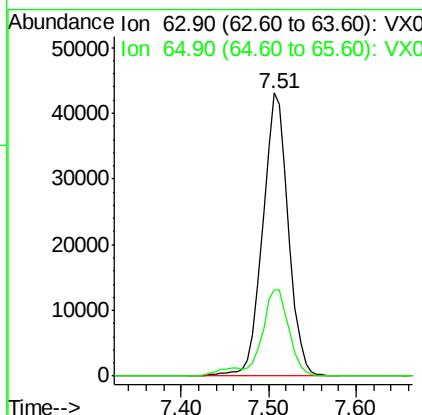
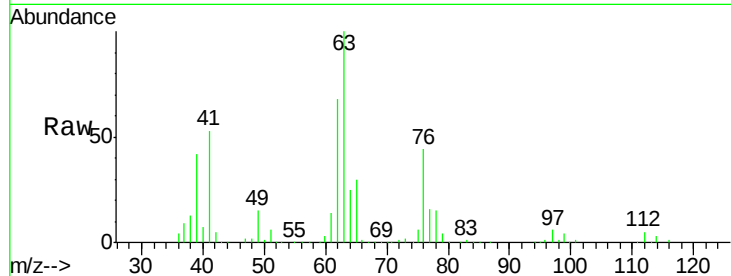
#45
 1,2-Dichloropropane
 Concen: 47.938 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX011420.D
 Acq: 11 Aug 2019 10:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 88288
 Ion Ratio Lower Upper
 63 100
 65 30.3 23.3 34.9

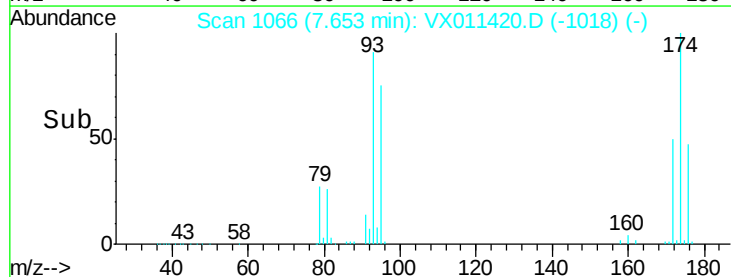
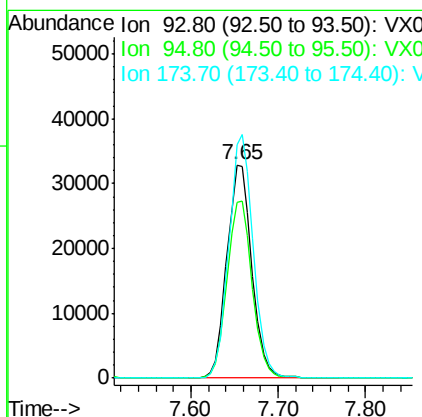
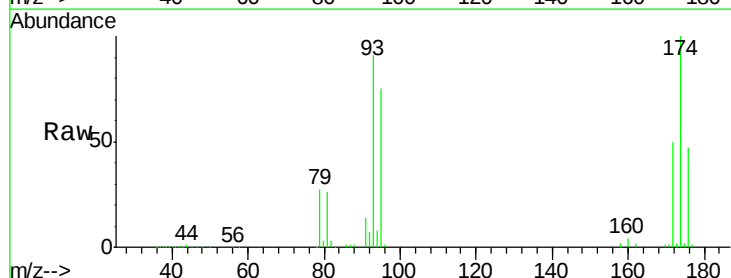
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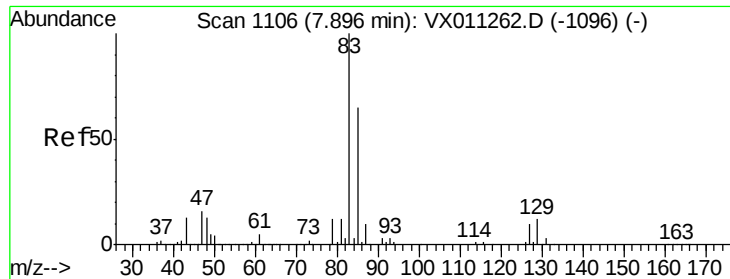
MMDadoda
 8/12/2019 10:30:20 AM



#46
 Dibromomethane
 Concen: 48.601 ug/l
 RT: 7.65 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: VX011420.D
 Acq: 11 Aug 2019 10:33

Tgt Ion: 93 Resp: 65343
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.4 99.6
 174 111.7 93.4 140.2





#47

Bromodichloromethane

Concen: 54.780 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Instrument :

MSVOA_X

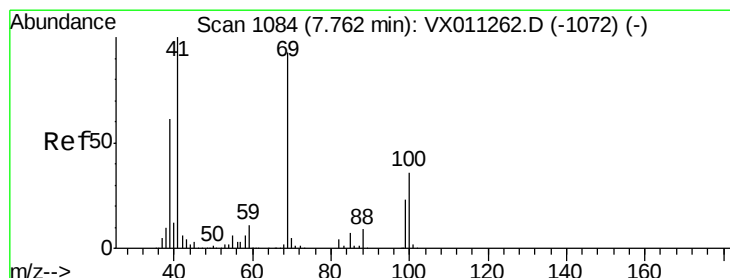
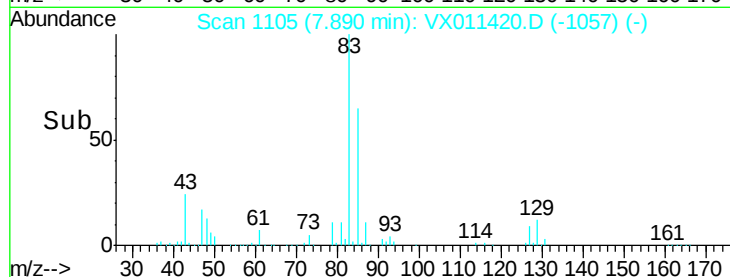
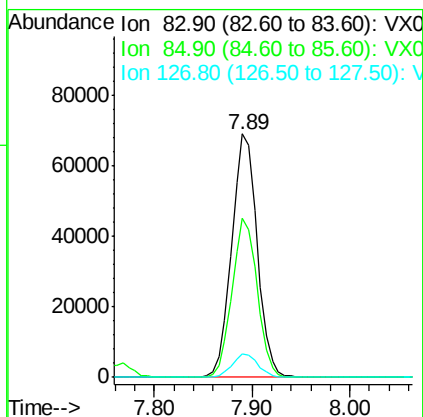
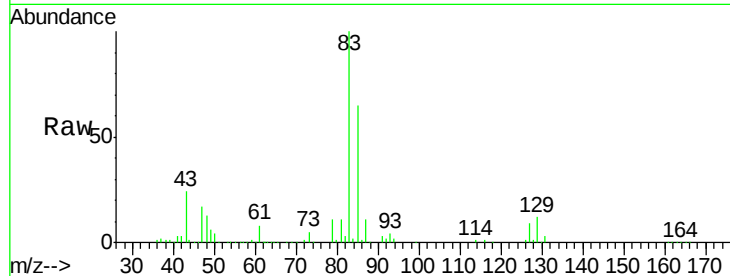
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	124696
Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.2	78.2
127	9.4	7.8	11.8

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#48

Methyl methacrylate

Concen: 52.813 ug/l

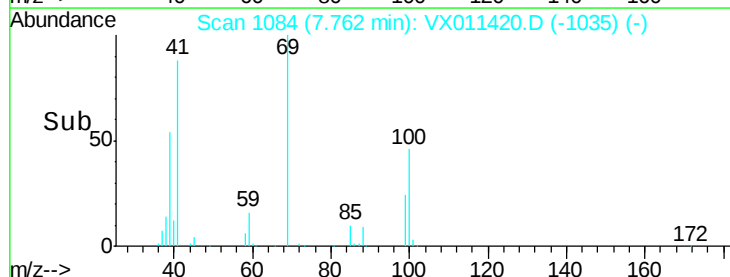
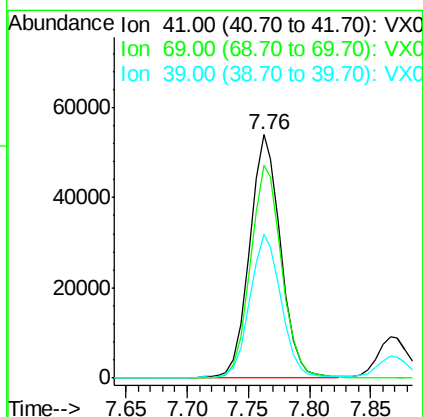
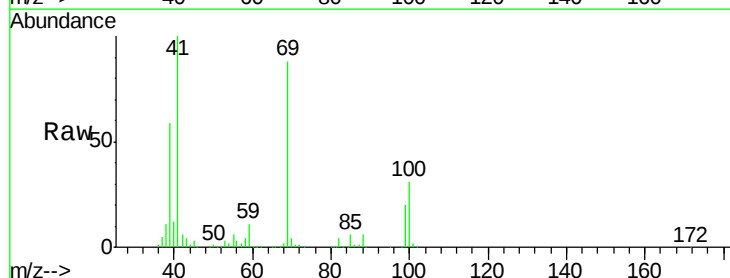
RT: 7.76 min Scan# 1084

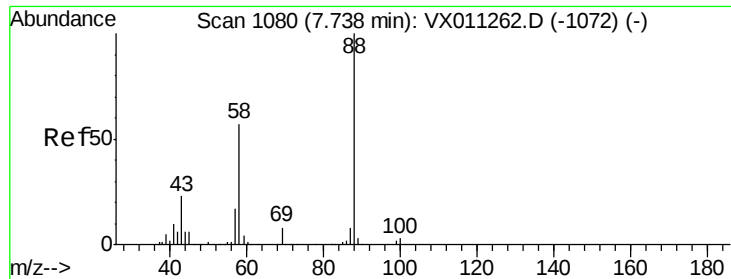
Delta R.T. -0.00 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Tgt Ion:	41	Resp:	94987
Ion	Ratio	Lower	Upper
41	100		
69	88.7	74.5	111.7
39	59.5	48.6	72.8





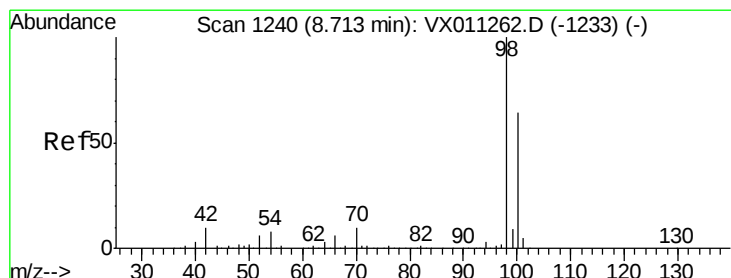
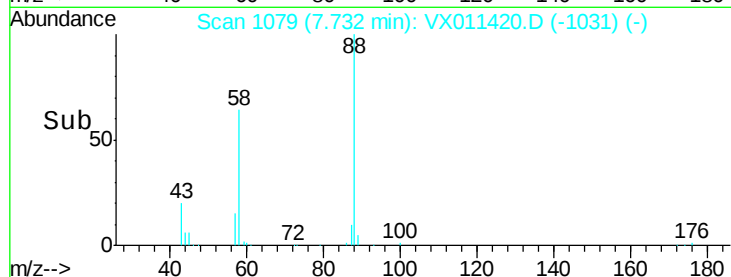
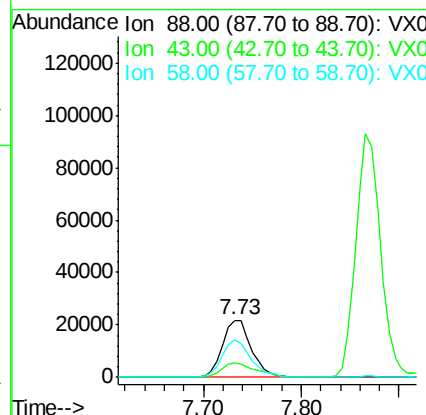
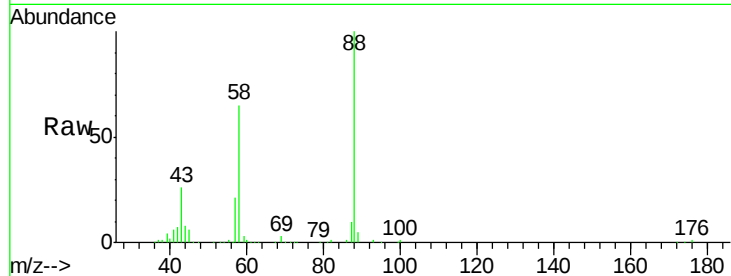
#49
1,4-Dioxane
Concen: 862.192 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	44956
Ion	Ratio	Lower	Upper
88	100		
43	29.8	22.2	33.2
58	66.0	47.8	71.8

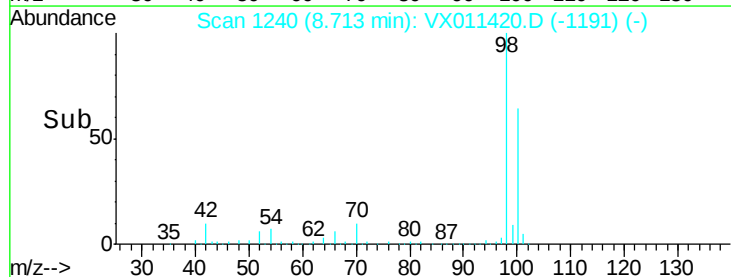
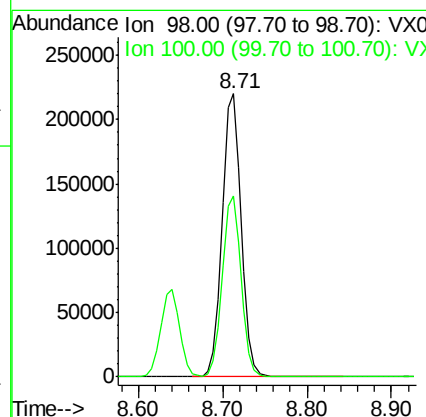
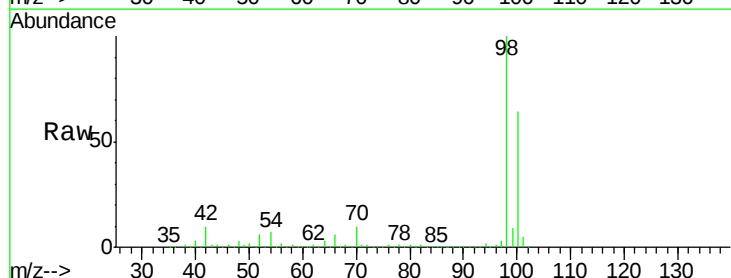
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#50
Toluene-d8
Concen: 51.093 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Tgt Ion	98	Resp	343681
Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 257.084 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 634068

Ion Ratio Lower Upper

43 100

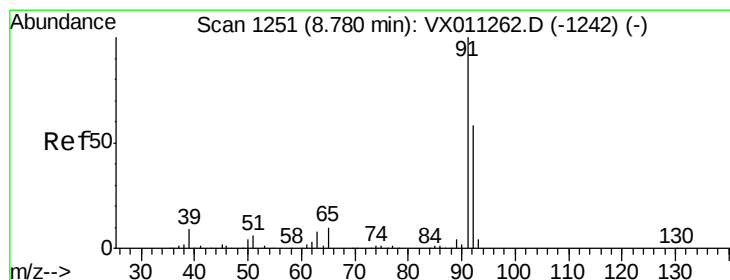
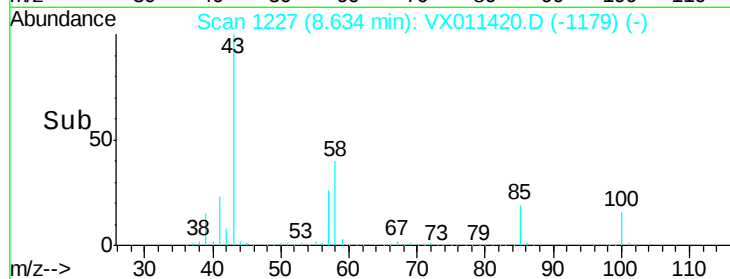
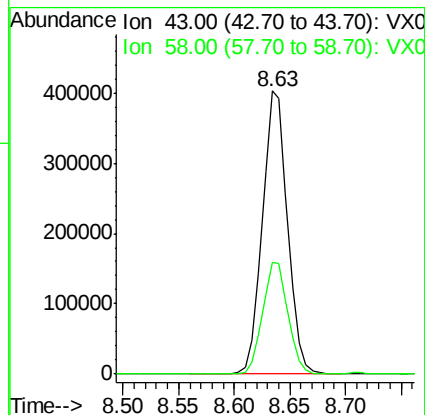
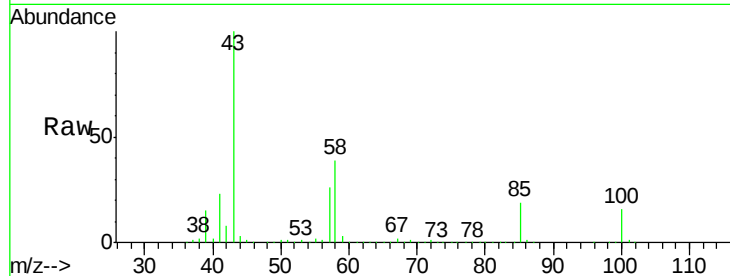
58 39.9 32.3 48.5

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#52

Toluene

Concen: 48.930 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011420.D

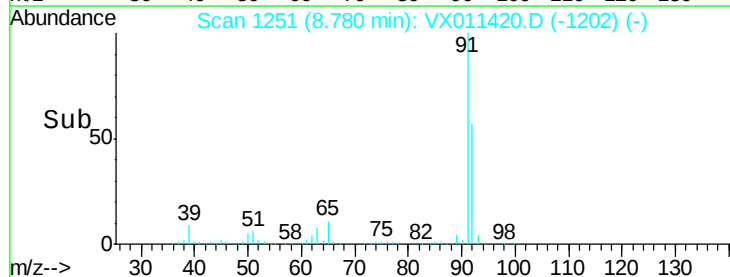
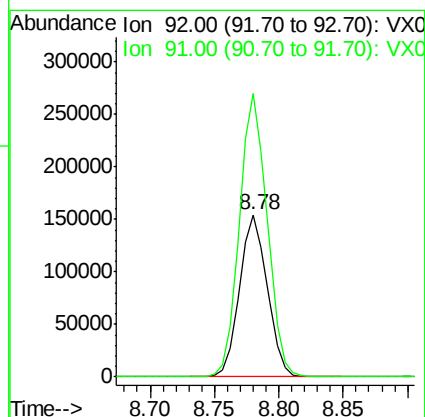
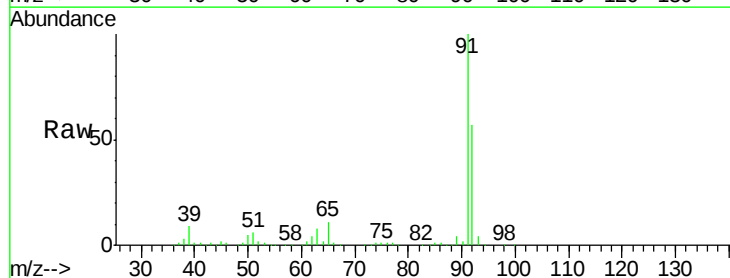
Acq: 11 Aug 2019 10:33

Tgt Ion: 92 Resp: 230059

Ion Ratio Lower Upper

92 100

91 174.7 139.4 209.0





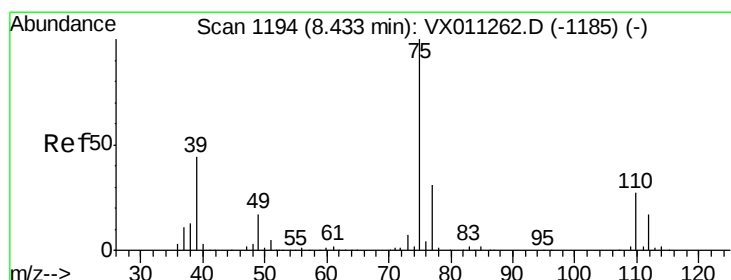
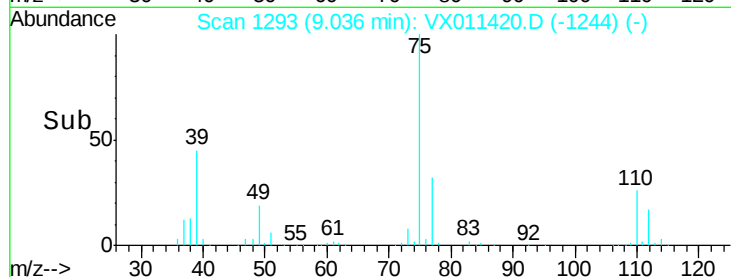
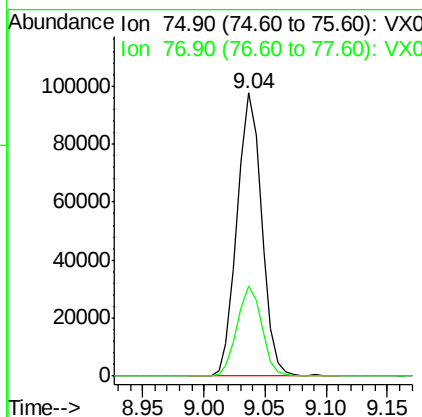
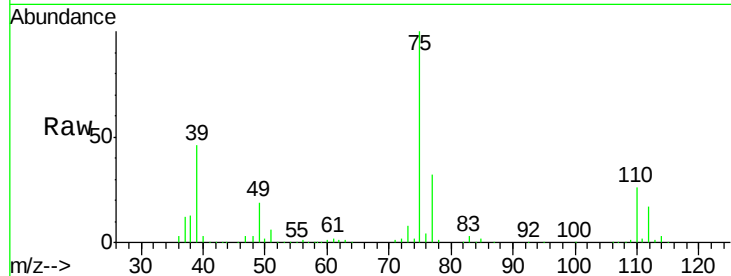
#53
t-1,3-Dichloropropene
Concen: 51.399 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 136480
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.0

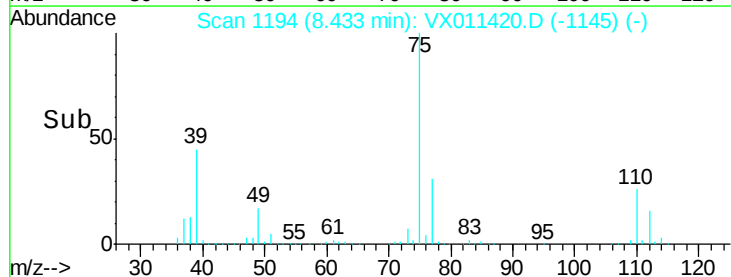
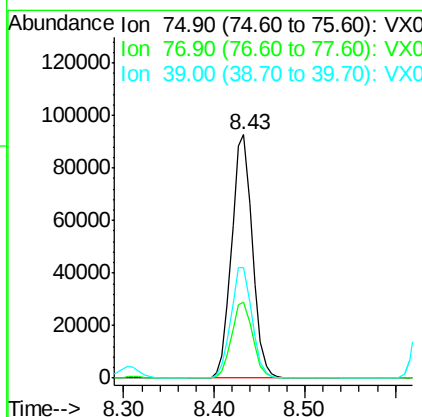
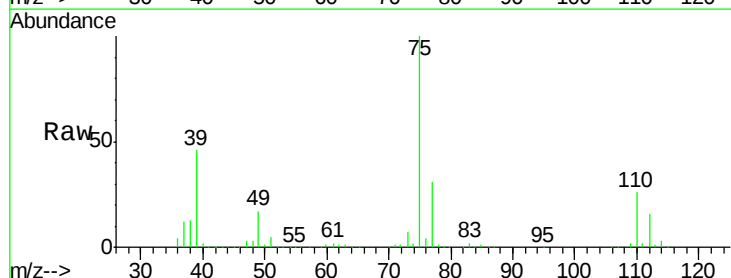
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#54
cis-1,3-Dichloropropene
Concen: 55.326 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Tgt Ion: 75 Resp: 147113
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.6
39 45.5 35.3 52.9





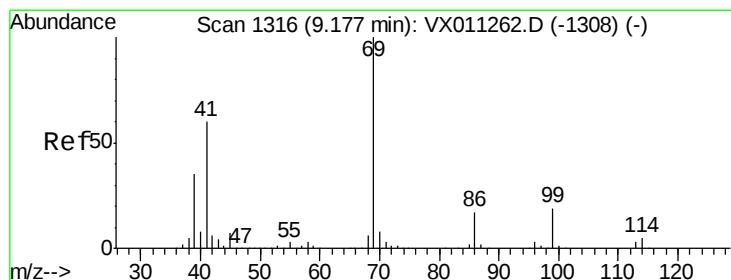
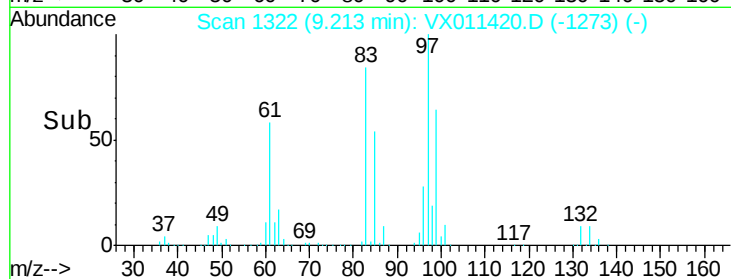
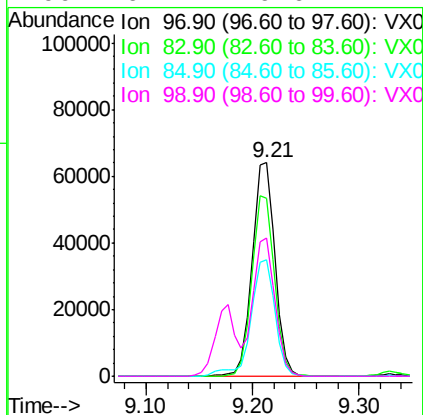
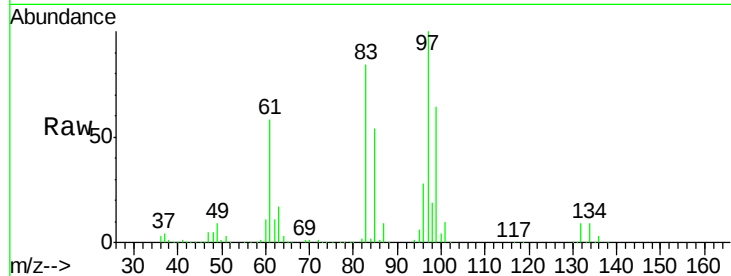
#55
 1,1,2-Trichloroethane
 Concen: 49.856 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX011420.D
 Acq: 11 Aug 2019 10:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
83	83.5	67.6	101.4		
85	54.4	43.4	65.0		
99	64.4	49.6	74.4		

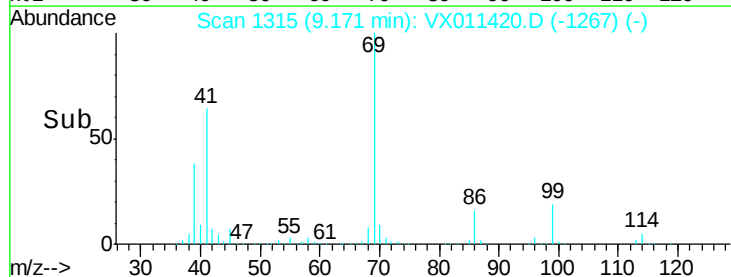
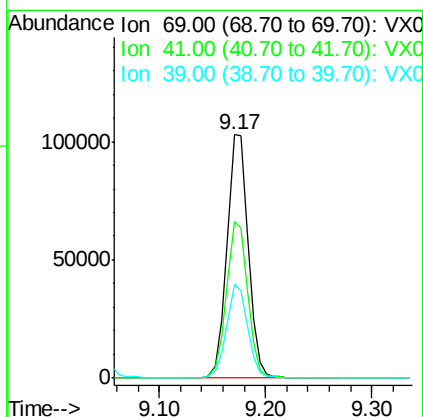
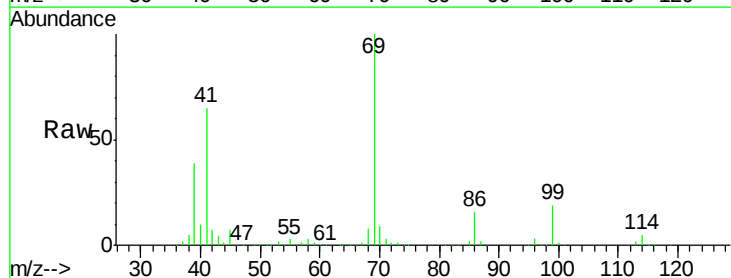
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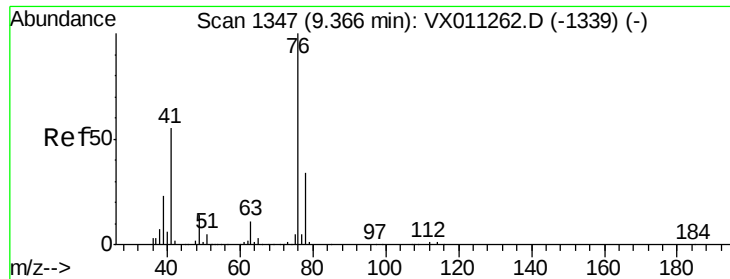
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#56
 Ethyl methacrylate
 Concen: 52.723 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VX011420.D
 Acq: 11 Aug 2019 10:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	64.1	48.6	73.0		
39	37.7	29.4	44.2		





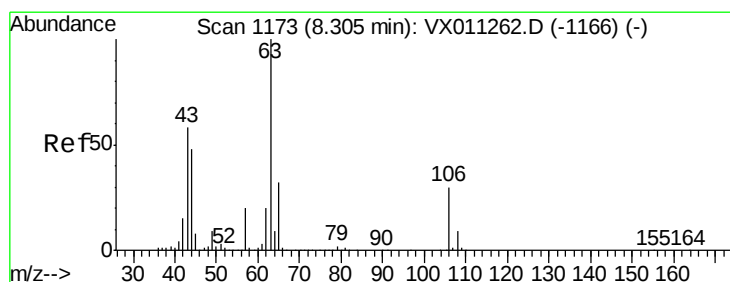
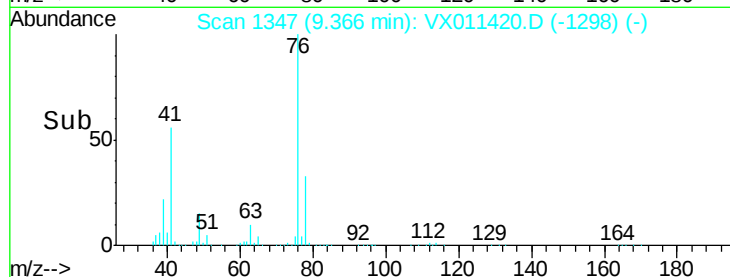
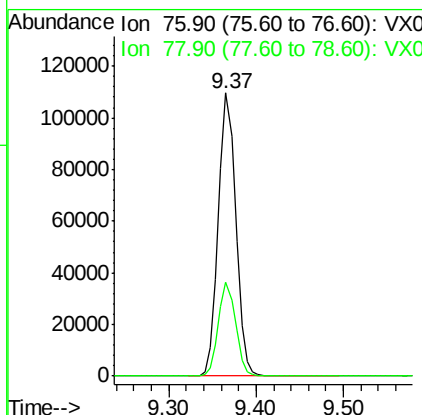
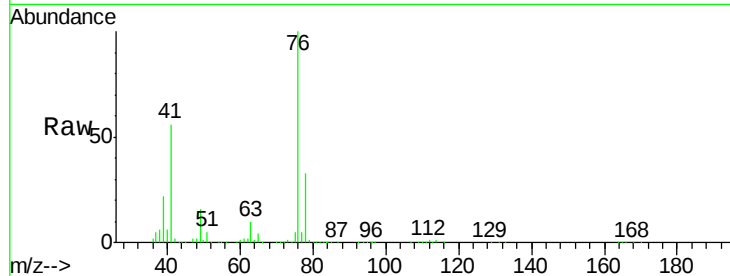
#57
 1,3-Dichloropropane
 Concen: 49.619 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VX011420.D
 Acq: 11 Aug 2019 10:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 151698
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.6 40.0

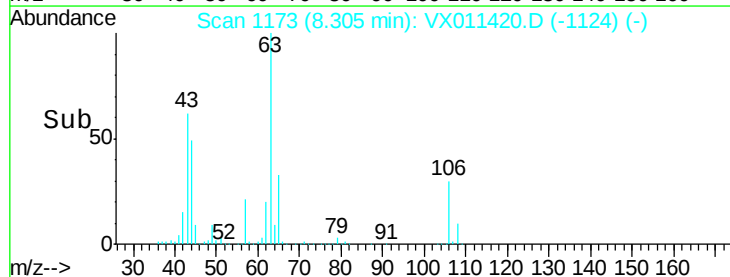
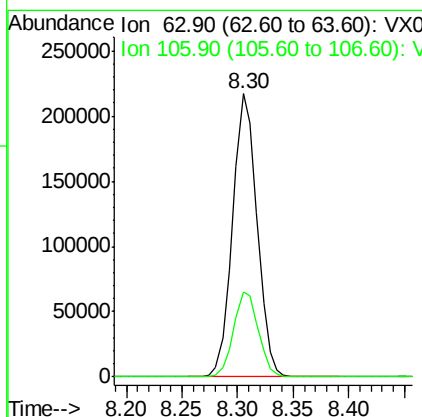
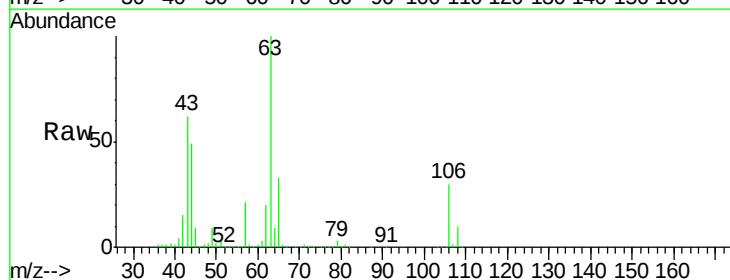
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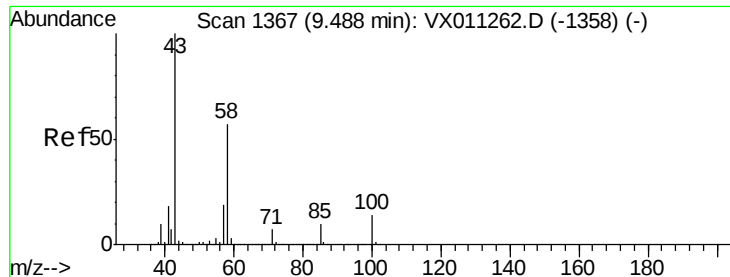
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#58
 2-Chloroethyl Vinyl ether
 Concen: 244.170 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VX011420.D
 Acq: 11 Aug 2019 10:33

Tgt Ion: 63 Resp: 330738
 Ion Ratio Lower Upper
 63 100
 106 30.5 24.4 36.6





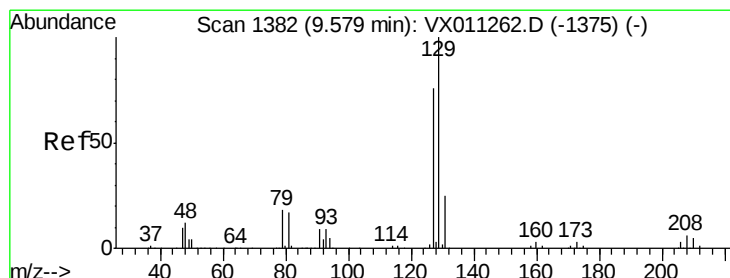
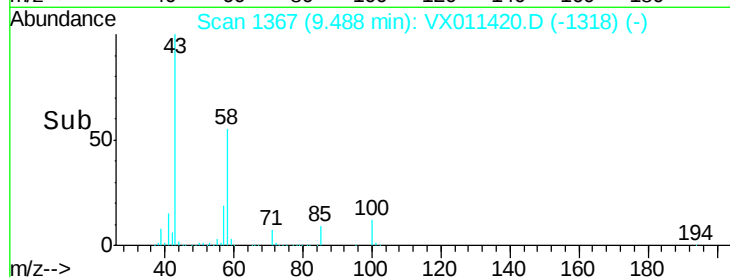
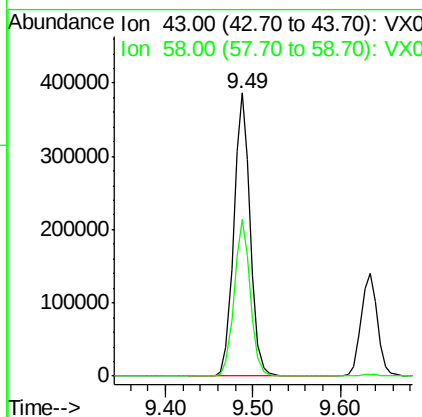
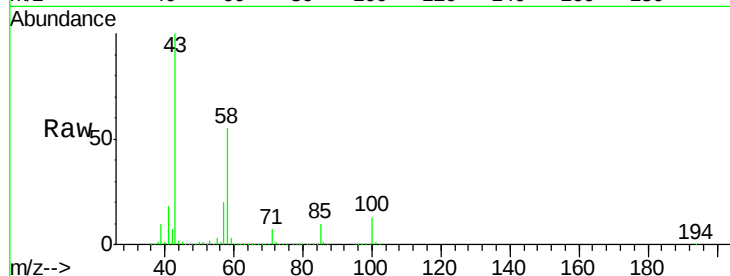
#59
2-Hexanone
Concen: 265.327 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 506874
Ion Ratio Lower Upper
43 100
58 54.6 28.2 84.6

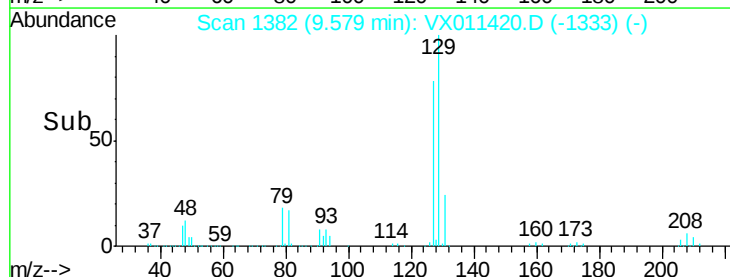
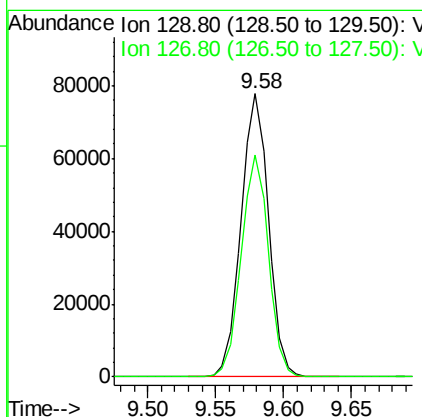
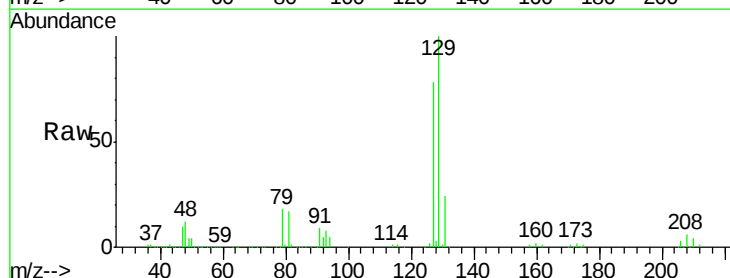
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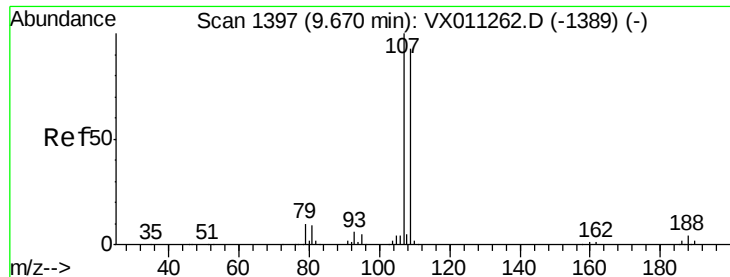
MMDadoda
8/12/2019 10:30:20 AM



#60
Dibromochloromethane
Concen: 55.460 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Tgt Ion: 129 Resp: 109766
Ion Ratio Lower Upper
129 100
127 77.6 39.2 117.6





#61

1,2-Dibromoethane

Concen: 49.919 ug/l

RT: 9.66 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 104260

Ion Ratio Lower Upper

107 100

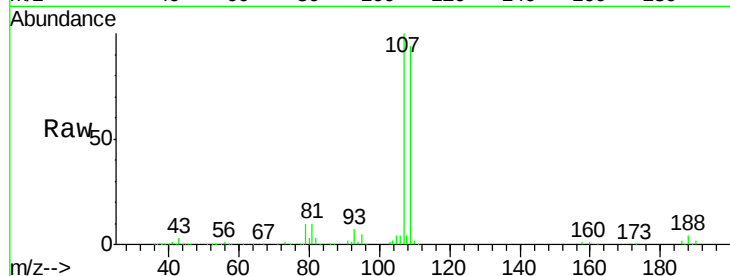
109 95.1 76.6 114.8

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8/12/2019 10:30:20 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

80000

60000

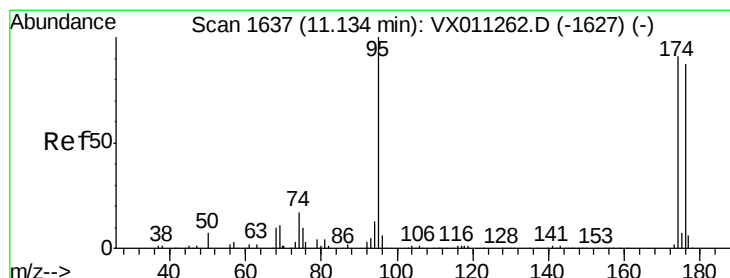
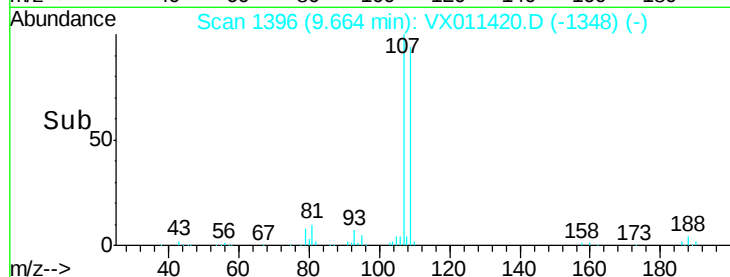
40000

20000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 54.373 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

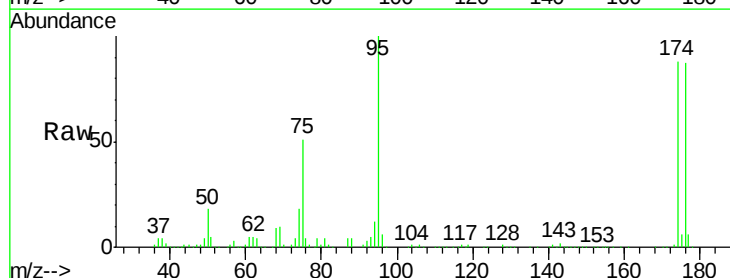
Tgt Ion: 95 Resp: 130580

Ion Ratio Lower Upper

95 100

174 91.4 0.0 191.2

176 88.6 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

150000

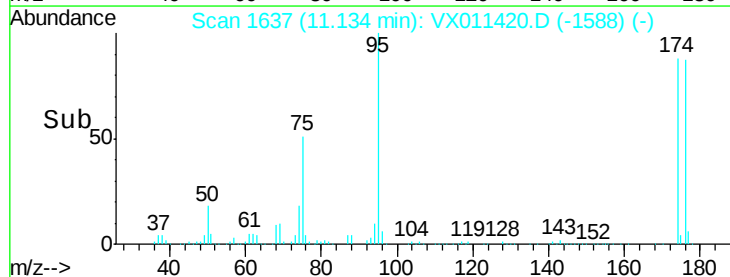
100000

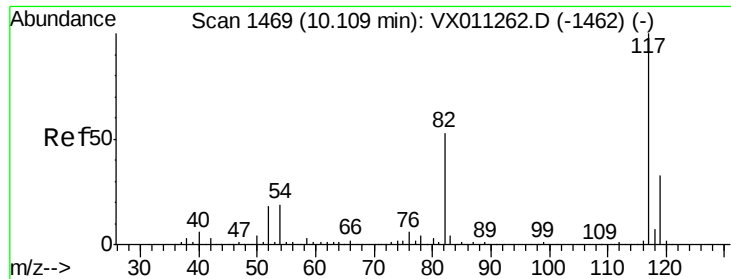
50000

0

11.10 11.20

Time-->





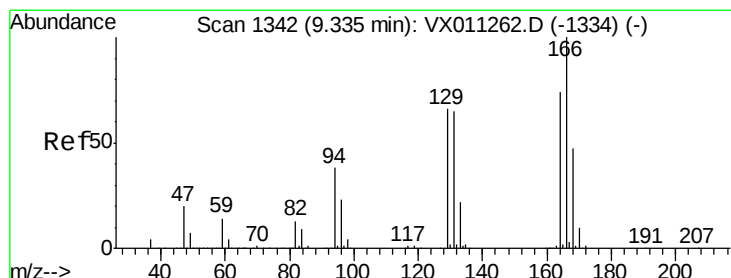
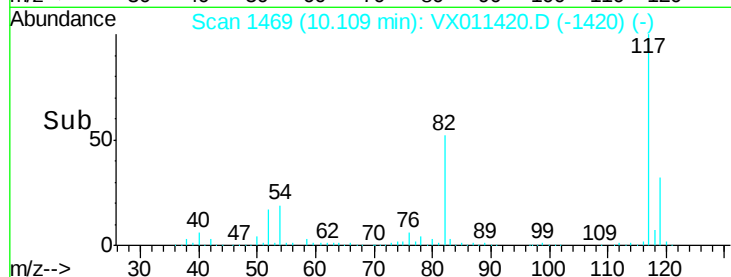
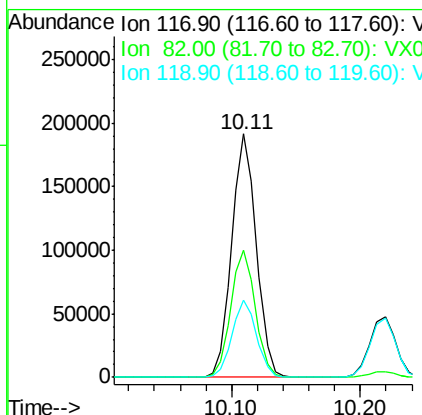
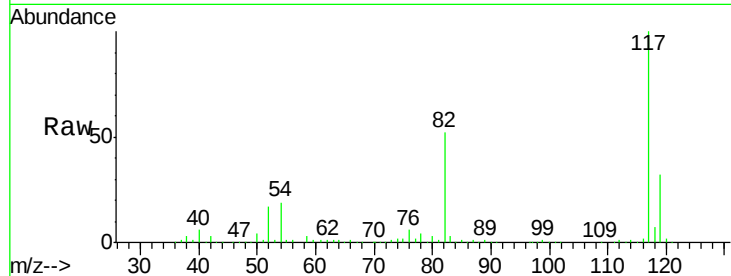
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	255815		
82	52.1	42.2	63.2	
119	31.9	26.6	39.8	

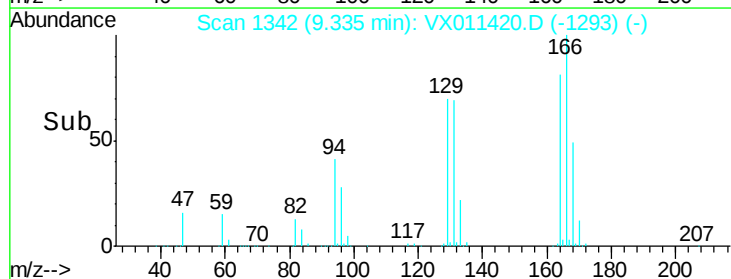
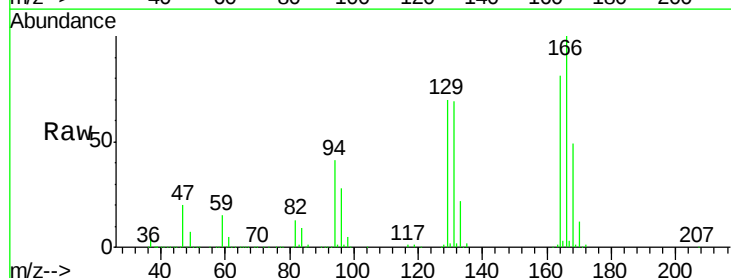
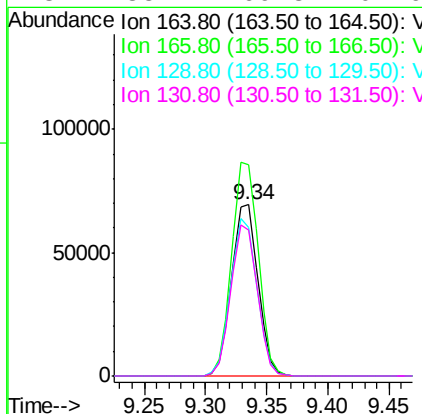
Manual Integrations
APPROVED

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8/12/2019 10:30:20 AM



#64
Tetrachloroethene
Concen: 47.688 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	103601		
166	123.5	107.5	161.3	
129	86.4	71.0	106.4	
131	85.2	69.8	104.6	





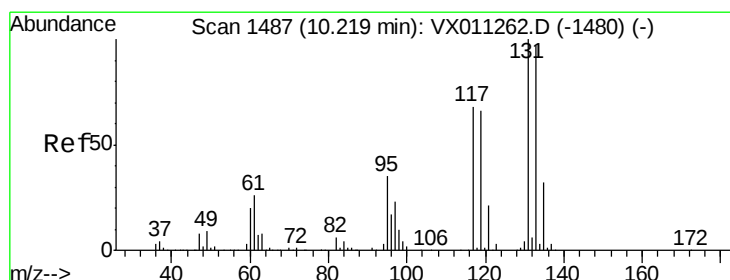
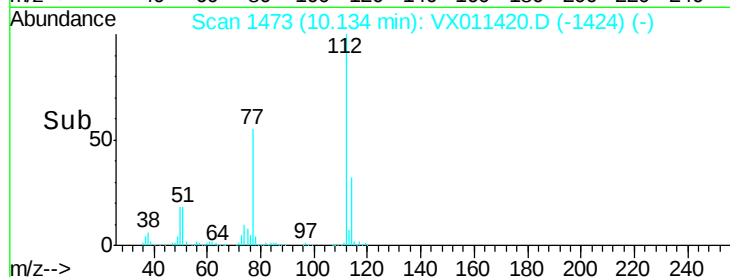
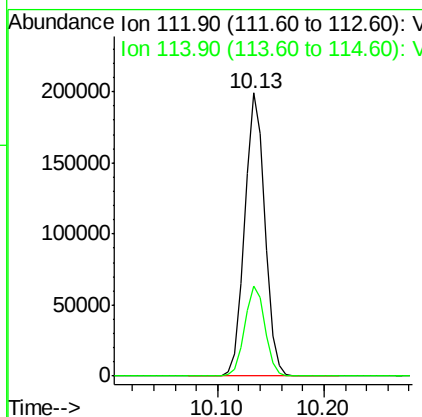
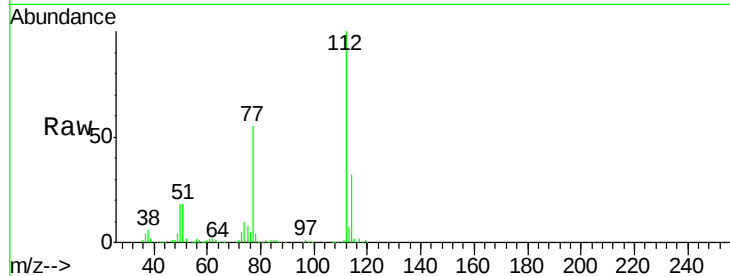
#65
Chlorobenzene
Concen: 48.340 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.9	38.9

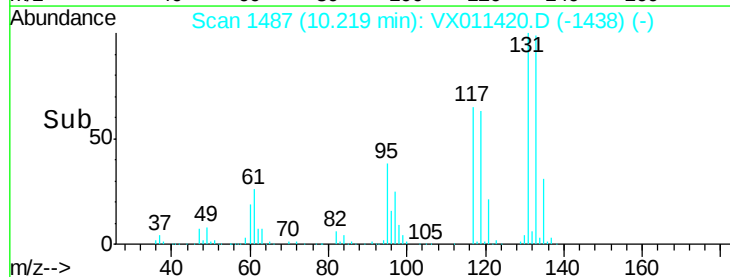
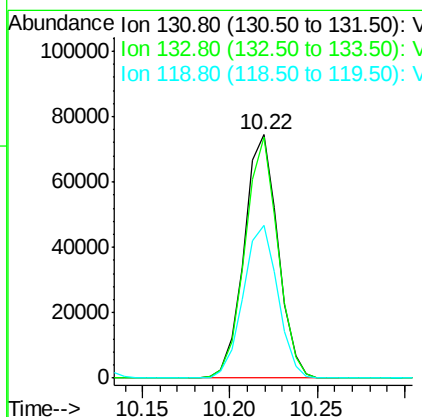
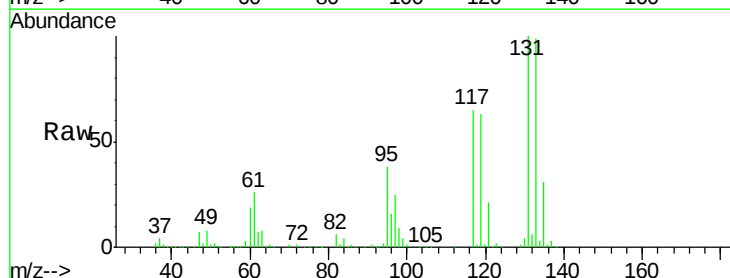
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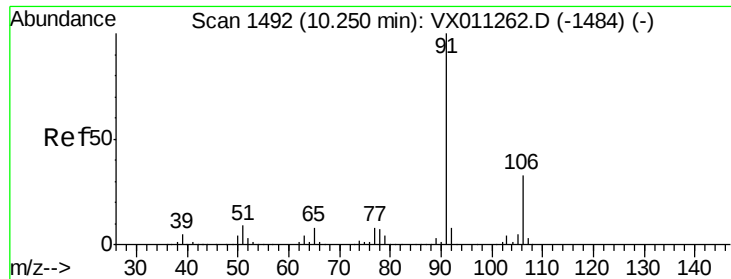
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.218 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.7	143.1
119	64.2	32.8	98.3





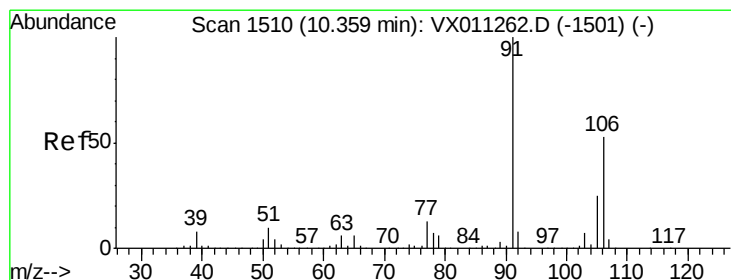
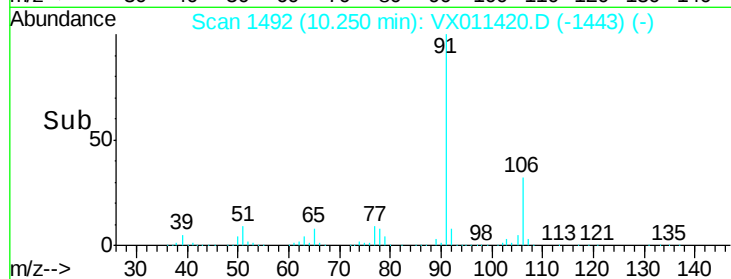
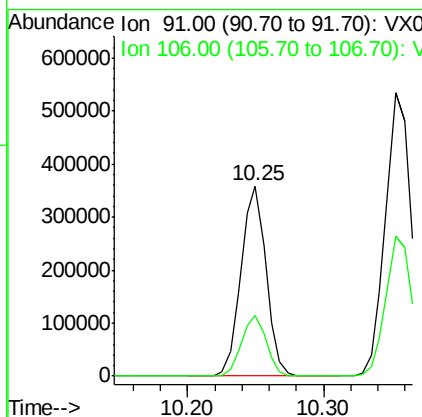
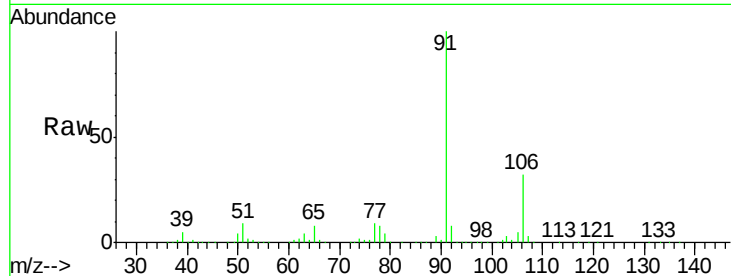
#67
Ethyl Benzene
Concen: 50.184 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 460994
Ion Ratio Lower Upper
91 100
106 32.0 26.2 39.4

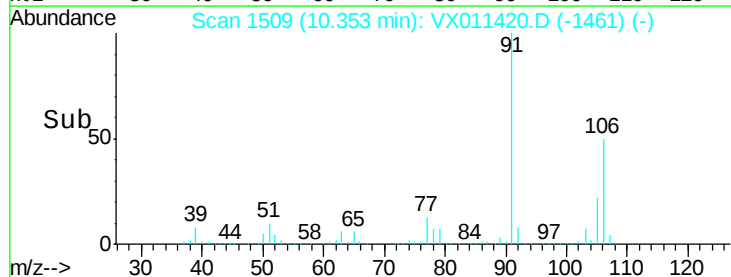
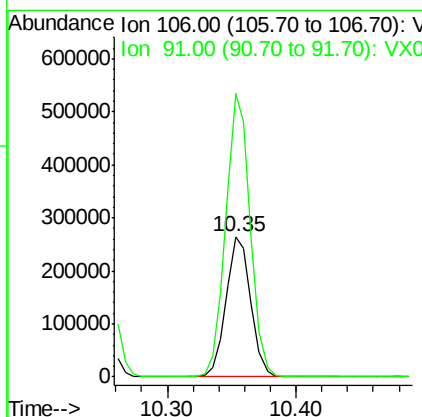
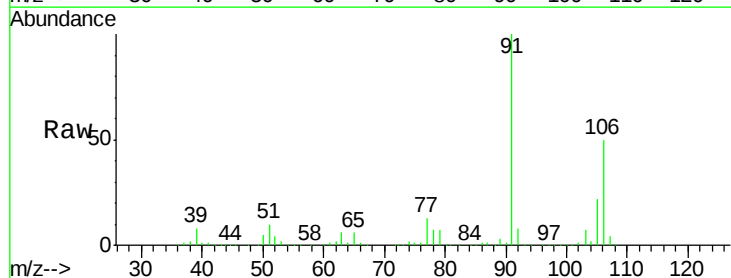
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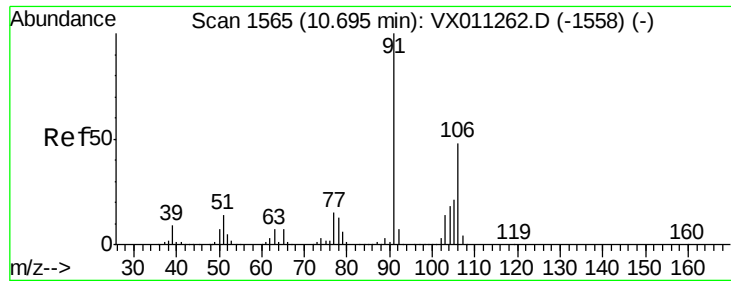
MMDadoda
8/12/2019 10:30:20 AM



#68
m/p-Xylenes
Concen: 99.944 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Tgt Ion: 106 Resp: 355114
Ion Ratio Lower Upper
106 100
91 201.2 155.9 233.9





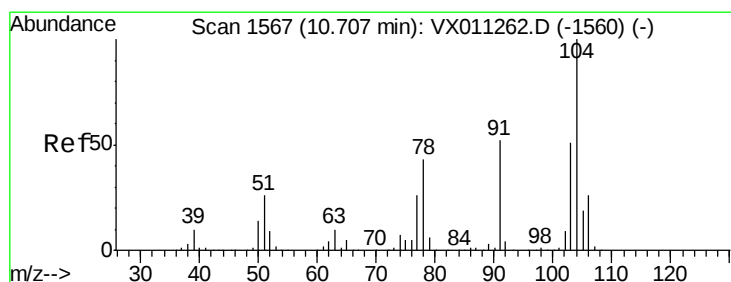
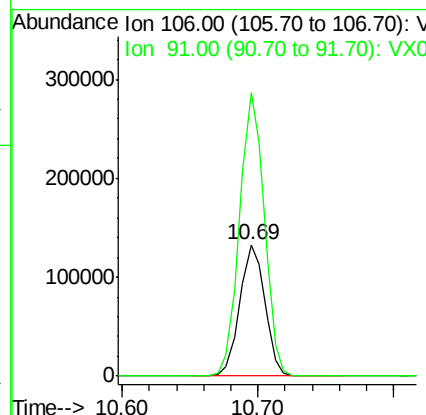
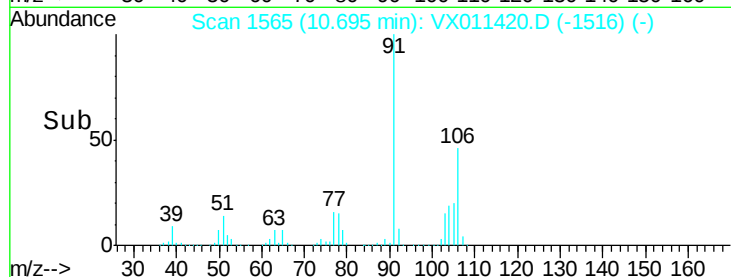
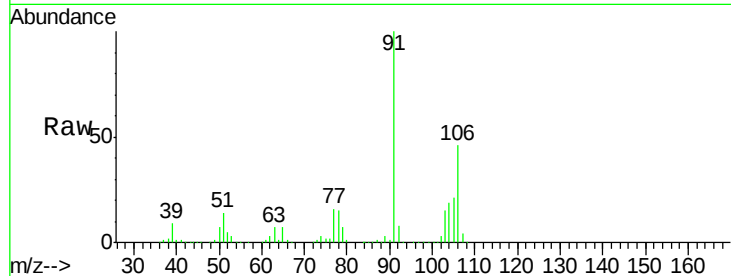
#69
o-Xylene
Concen: 48.907 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.8	103.8	311.3

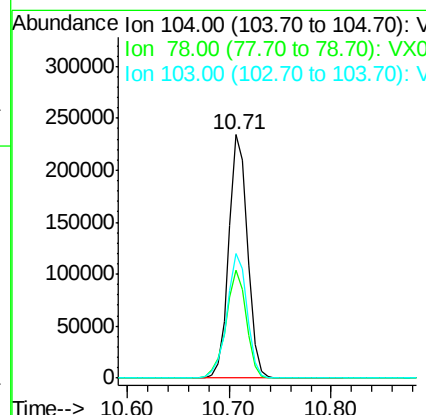
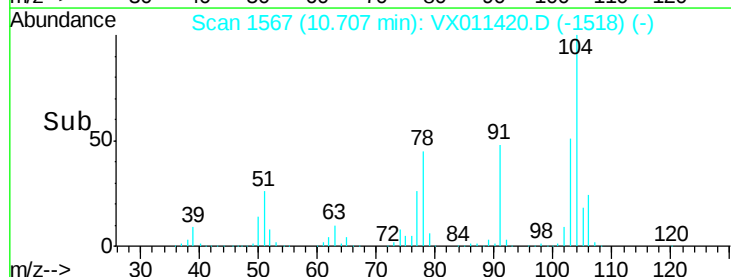
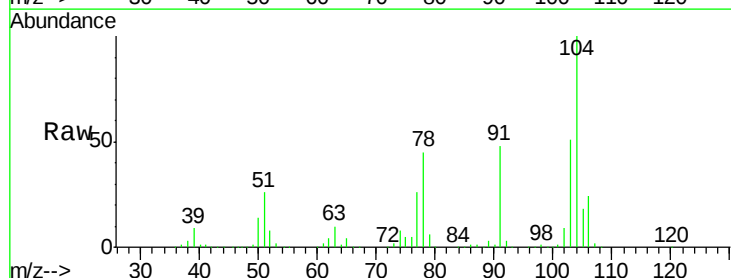
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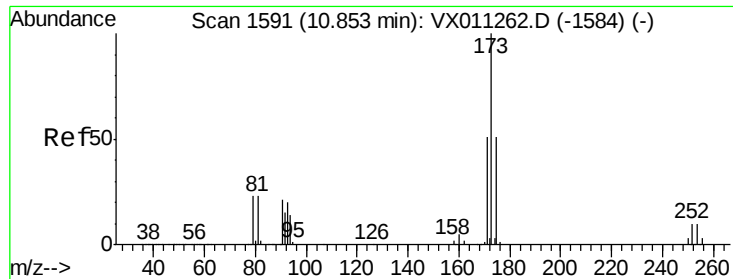
MMDadoda
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#70
Styrene
Concen: 51.754 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.3	36.9	55.3
103	54.9	44.4	66.6





#71

Bromoform

Concen: 50.109 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 84145

Ion Ratio Lower Upper

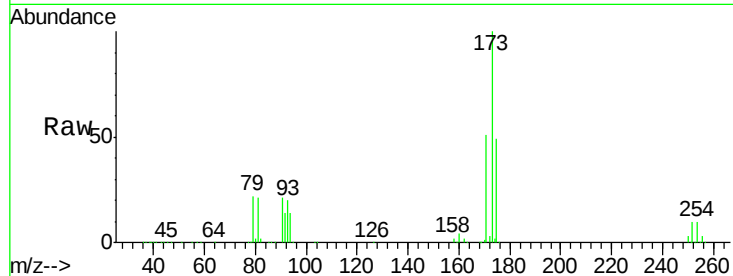
173 100

175 49.1 24.4 73.4

254 0.2 0.2 0.2

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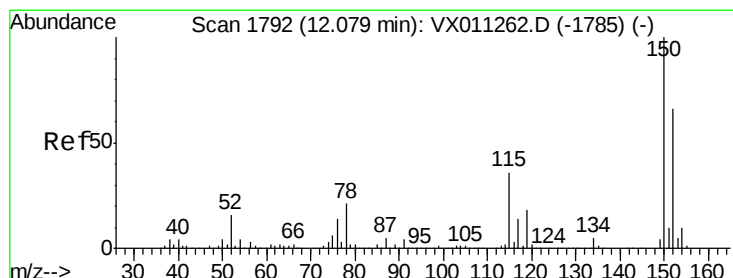
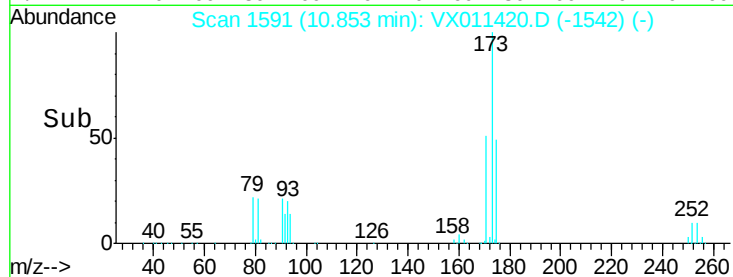
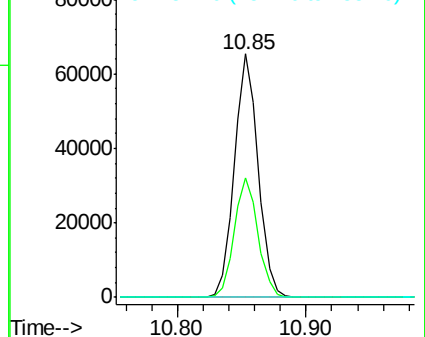
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Abundance Ion 172.70 (172.40 to 173.40): V

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. -0.01 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

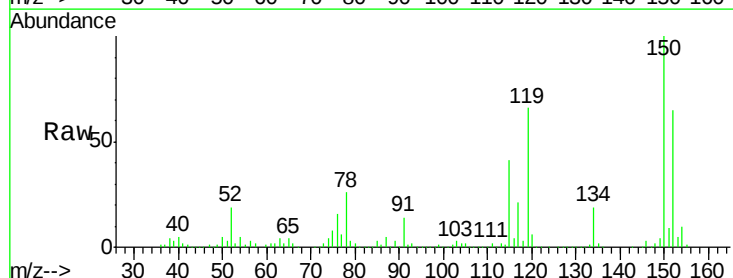
Tgt Ion:152 Resp: 138917

Ion Ratio Lower Upper

152 100

115 82.0 40.0 119.9

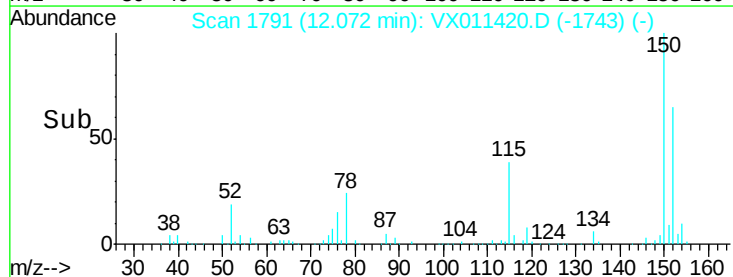
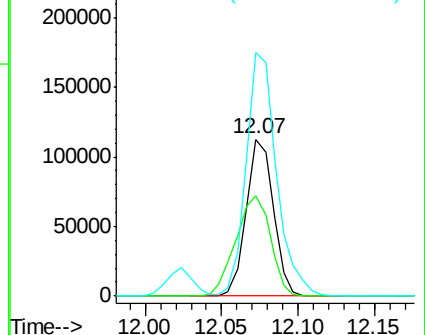
150 173.7 0.0 350.4

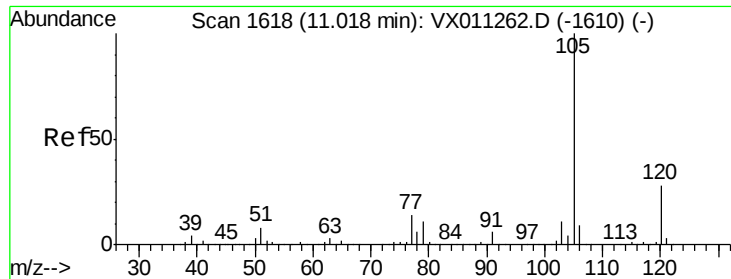


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.312 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 478008

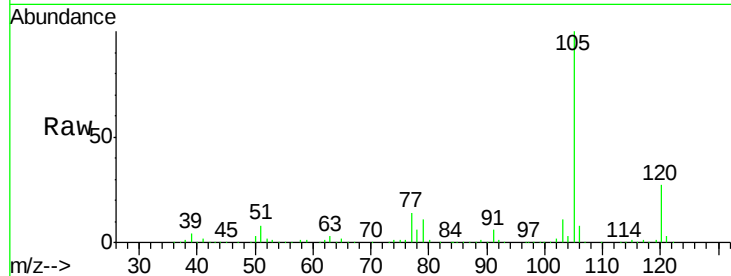
Ion Ratio Lower Upper

105 100

120 26.7 13.7 41.1

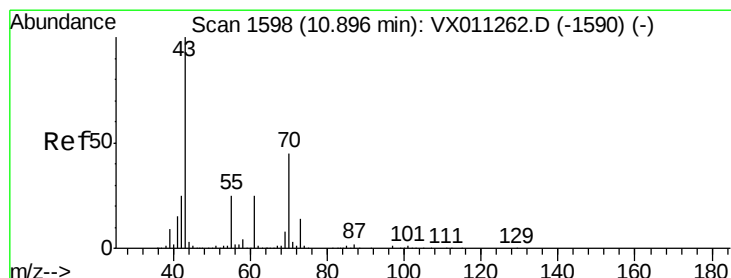
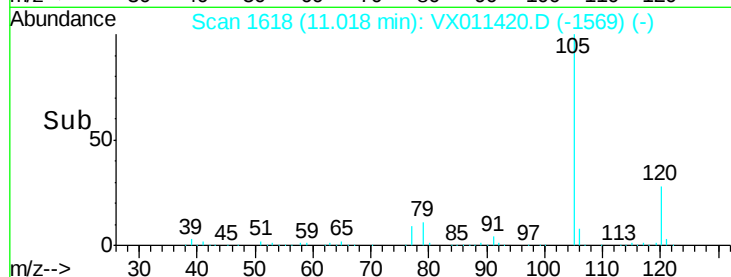
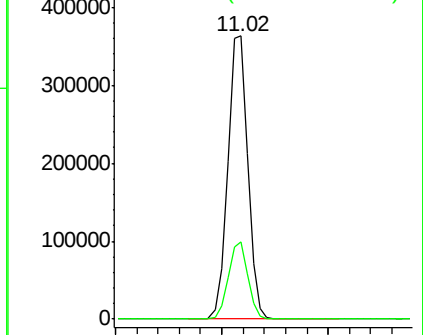
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.993 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Tgt Ion: 43 Resp: 178491

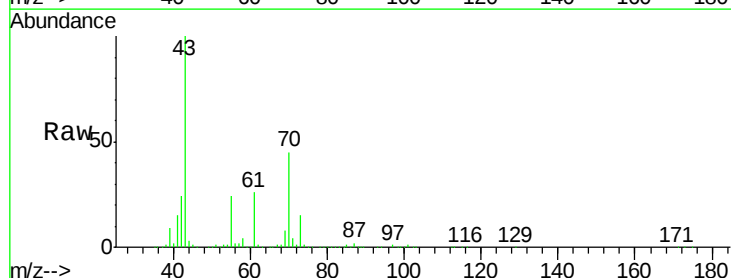
Ion Ratio Lower Upper

43 100

70 43.6 35.9 53.9

55 24.5 19.8 29.6

61 25.4 19.7 29.5

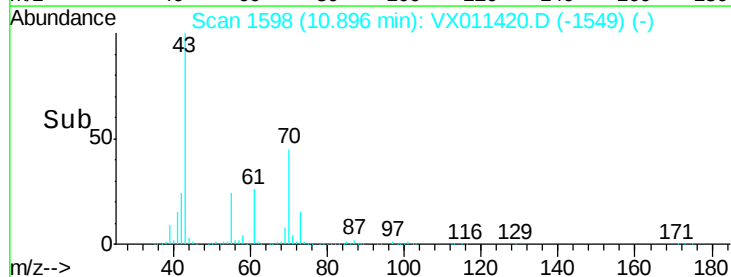
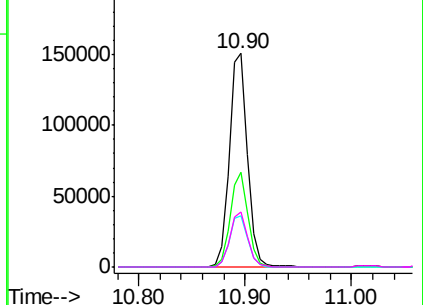


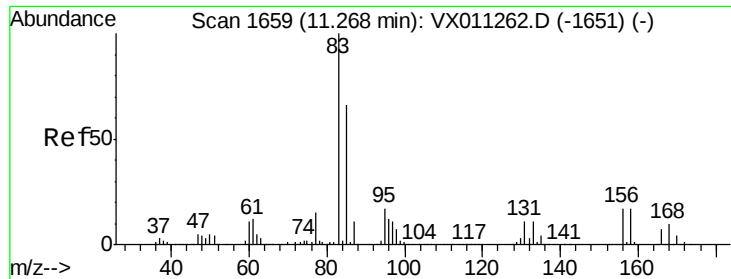
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.480 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Instrument :

MSVOA_X

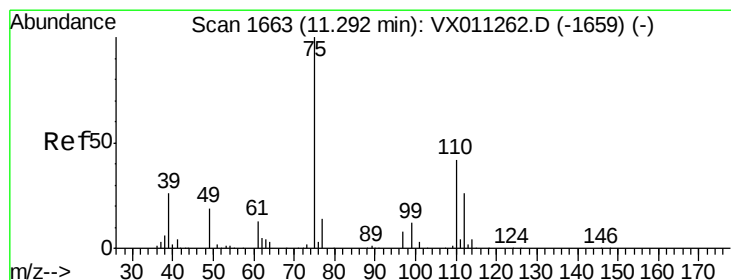
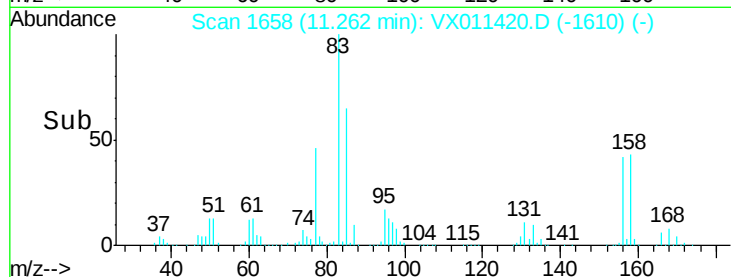
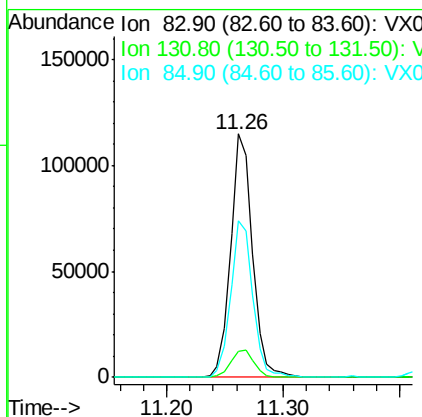
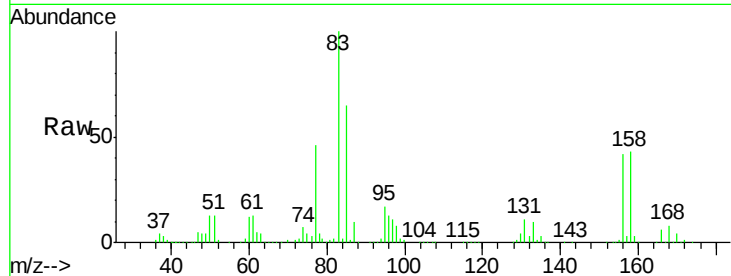
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	150329
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.6	16.8
85	65.1	32.1	96.5

Manual Integrations
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MMDadoda
8/12/2019 10:30:20 AM



#76

1,2,3-Trichloropropane

Concen: 52.315 ug/l m

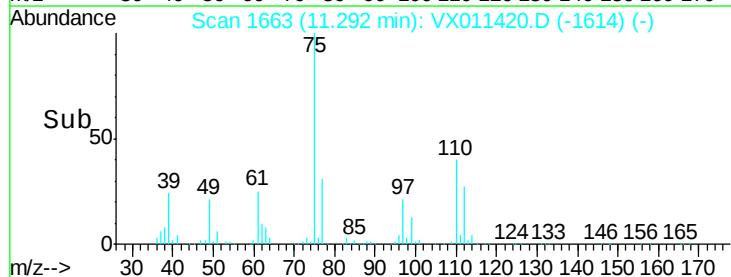
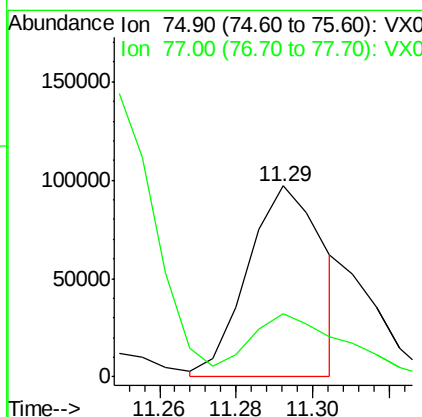
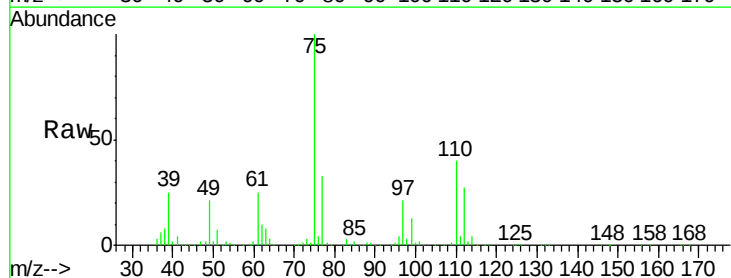
RT: 11.29 min Scan# 1663

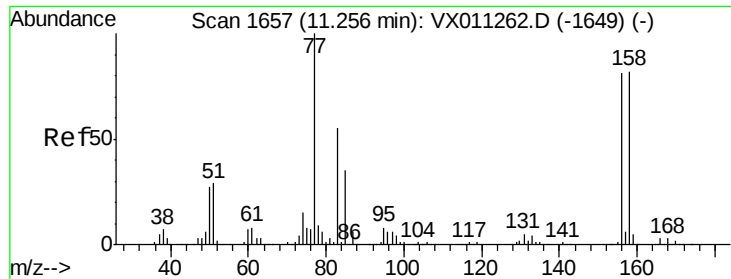
Delta R.T. -0.00 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Tgt Ion:	75	Resp:	132350
Ion Ratio	Lower	Upper	
75	100		
77	41.4	21.1	63.4





#77

Bromobenzene

Concen: 47.422 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Instrument :

MSVOA_X

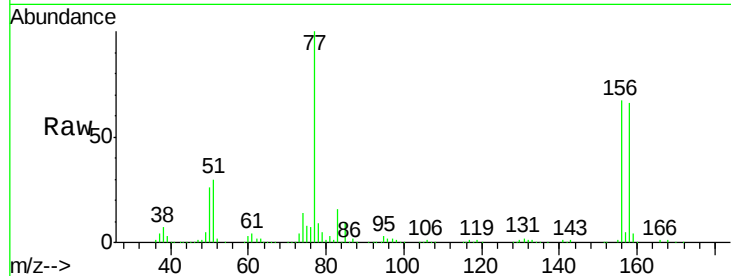
ClientSampleId :

VSTDCCC050

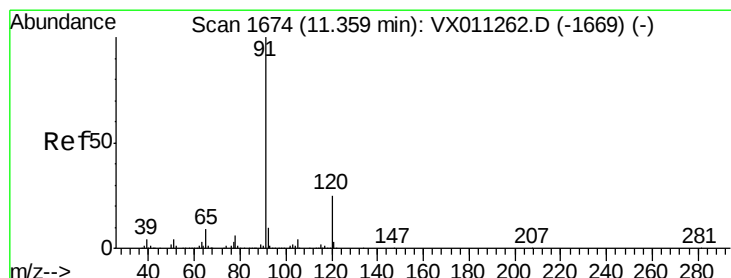
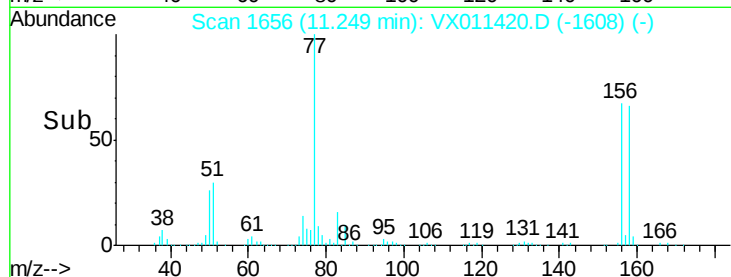
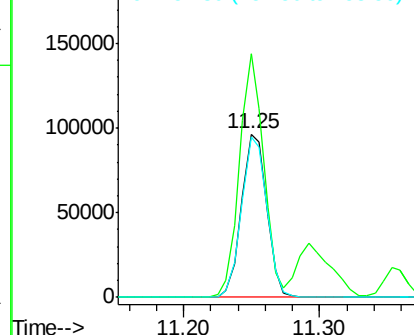
Tot Ion:	156	Resp:	124935
Ion Ratio	Lower	Upper	
156	100		
77	142.8	66.2	198.6
158	98.3	49.1	147.3

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



#78

n-propylbenzene

Concen: 50.787 ug/l

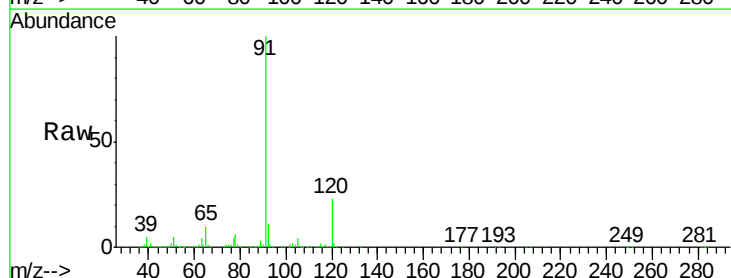
RT: 11.35 min Scan# 1673

Delta R.T. -0.01 min

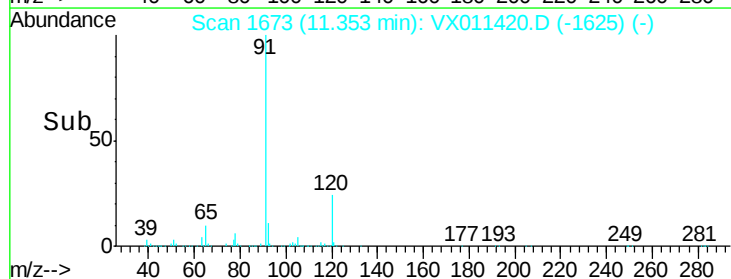
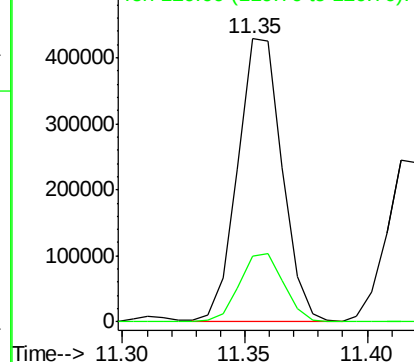
Lab File: VX011420.D

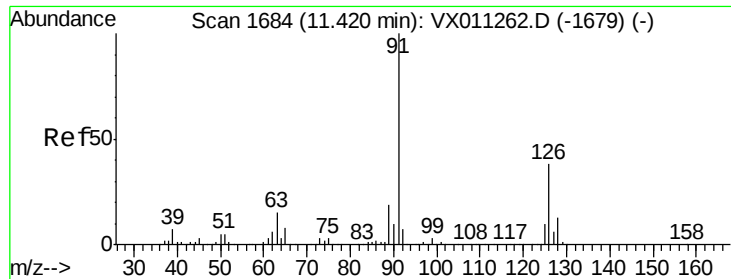
Acq: 11 Aug 2019 10:33

Tgt Ion:	91	Resp:	536601
Ion Ratio	Lower	Upper	
91	100		
120	24.3	12.4	37.0



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





#79

2-Chlorotoluene

Concen: 50.444 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 317668

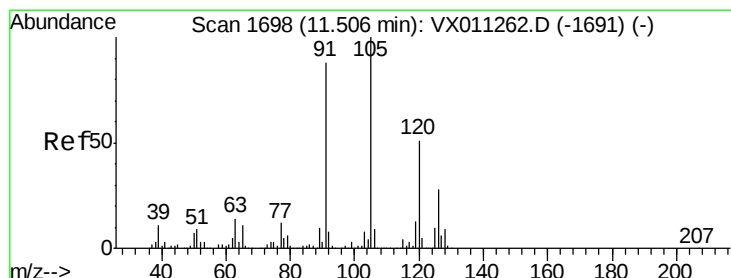
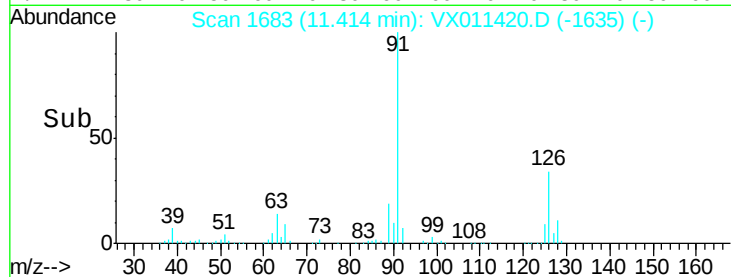
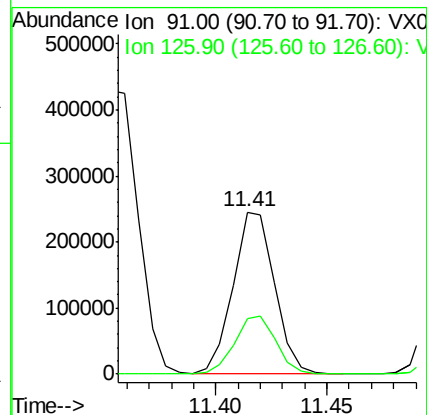
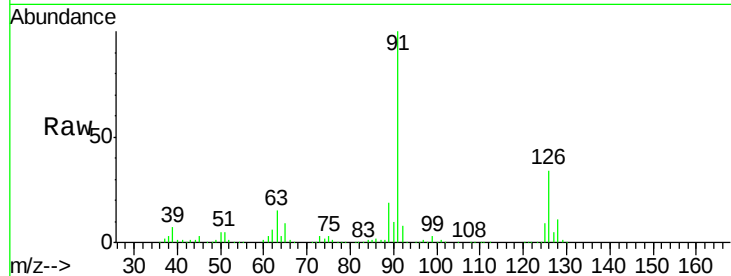
Ion Ratio Lower Upper

91 100

126 35.8 18.5 55.5

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#80

1,3,5-Trimethylbenzene

Concen: 51.095 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011420.D

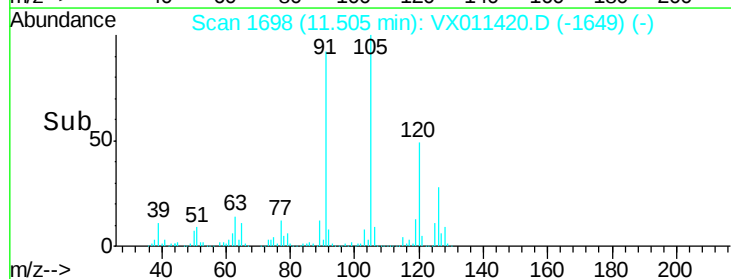
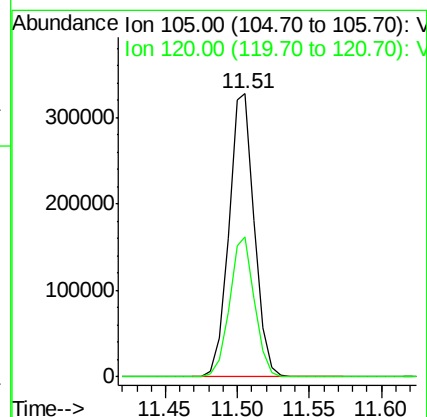
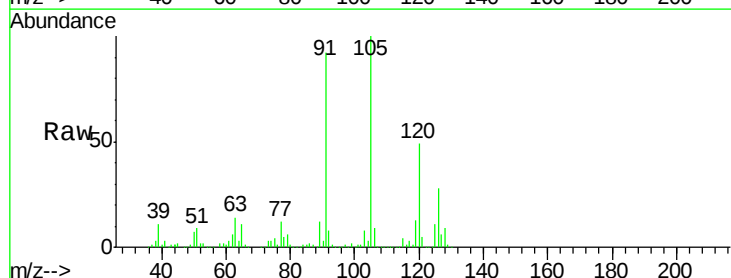
Acq: 11 Aug 2019 10:33

Tgt Ion: 105 Resp: 406370

Ion Ratio Lower Upper

105 100

120 48.5 25.1 75.2





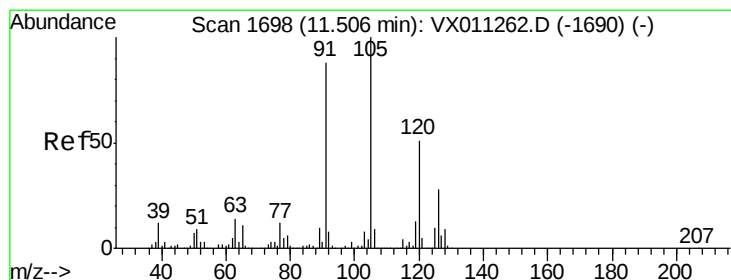
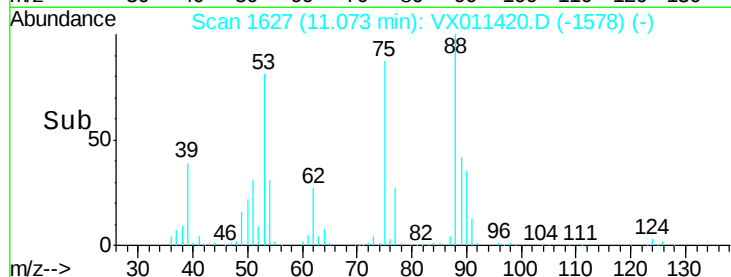
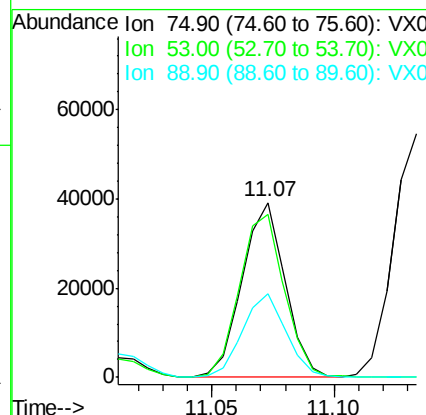
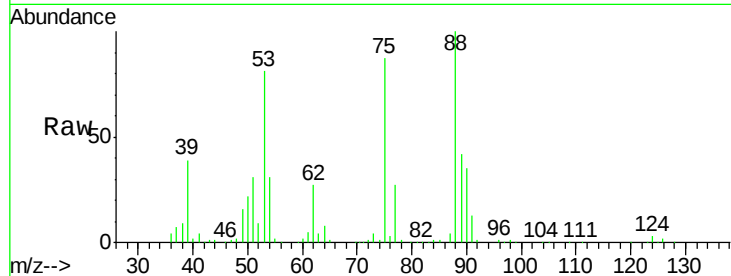
#81
trans-1,4-Dichloro-2-butene
Concen: 50.608 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.6	78.2	117.4
89	48.4	37.9	56.9

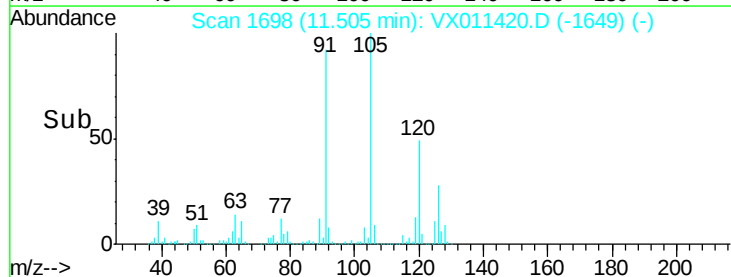
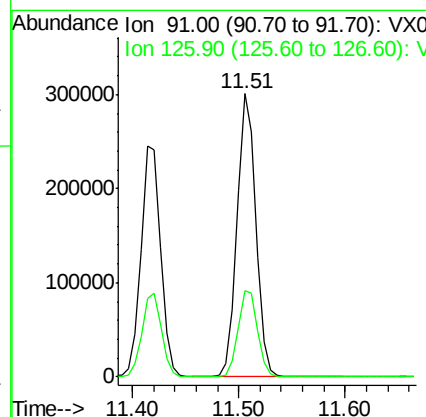
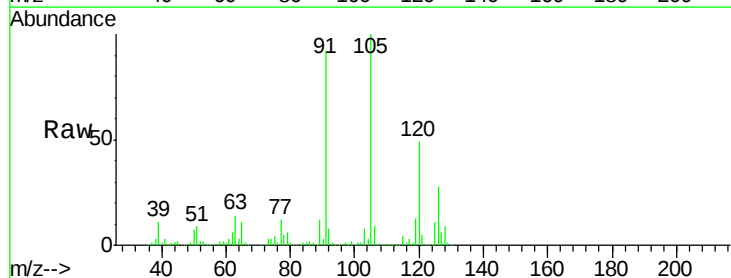
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#82
4-Chlorotoluene
Concen: 50.913 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	16.4	49.2





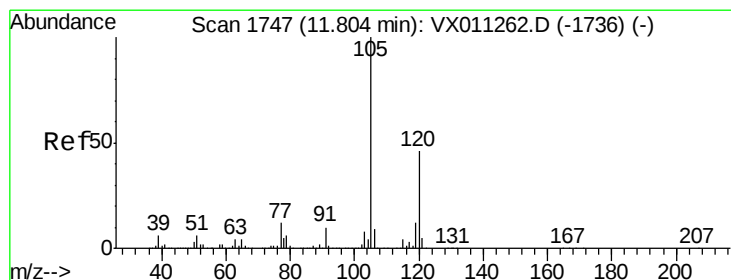
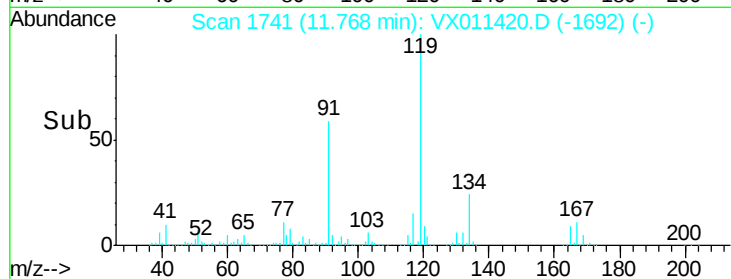
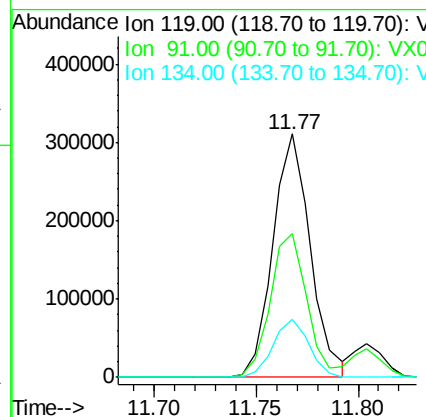
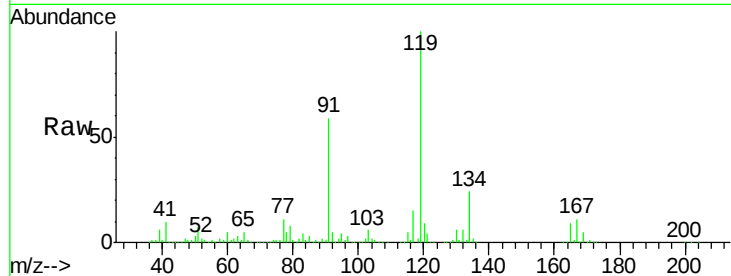
#83
 tert-Butylbenzene
 Concen: 50.947 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX011420.D
 Acq: 11 Aug 2019 10:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	397409		
91	57.2	28.0	84.0	
134	23.1	11.9	35.5	

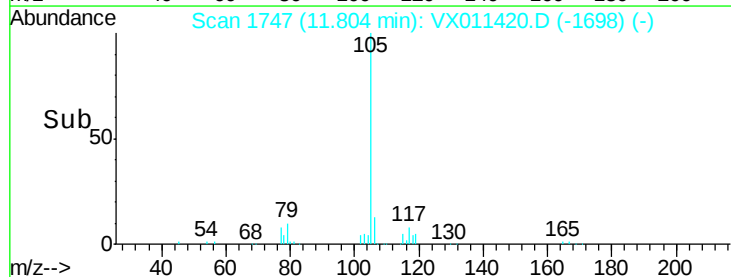
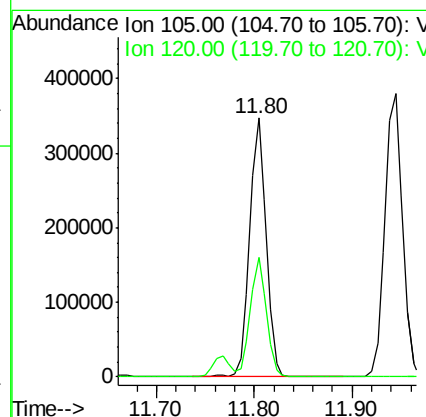
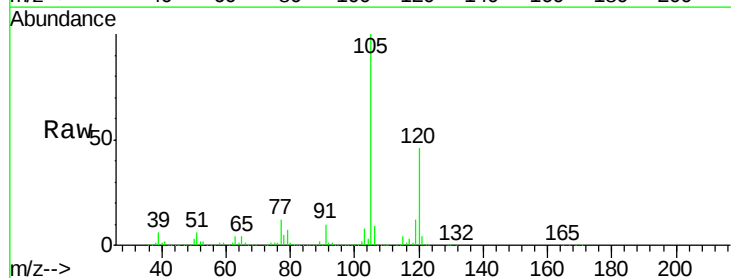
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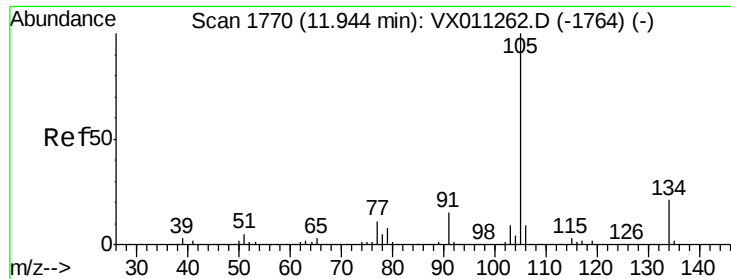
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.372 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX011420.D
 Acq: 11 Aug 2019 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	406793		
120	45.3	23.0	69.0	





#85

sec-Butylbenzene

Concen: 50.487 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 473154

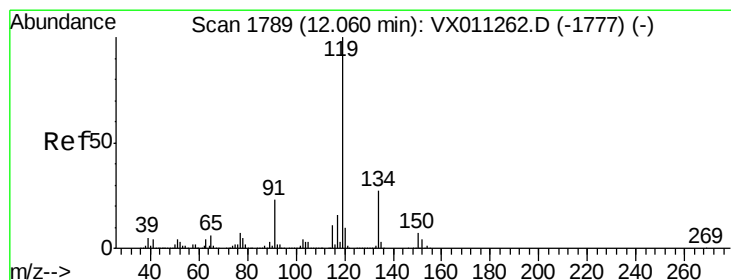
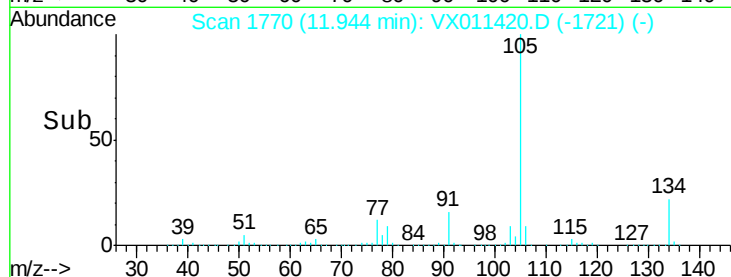
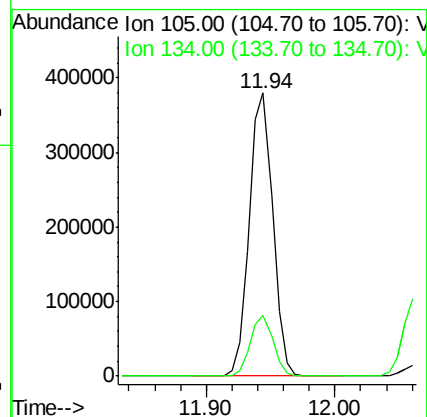
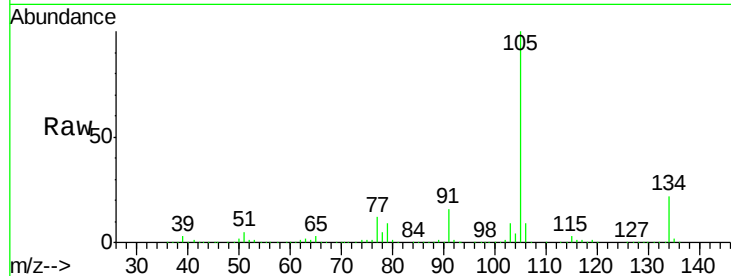
Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 51.469 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

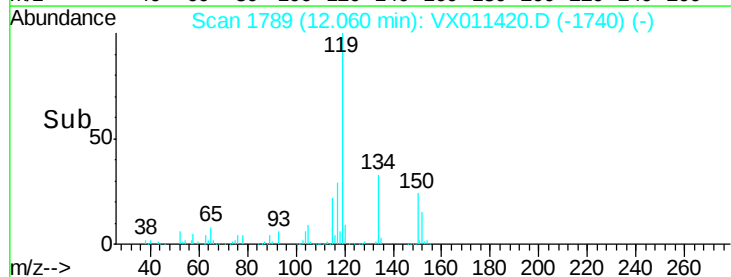
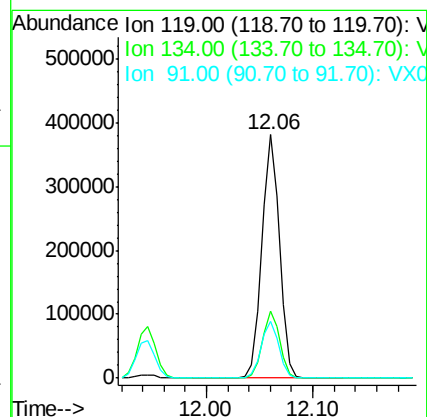
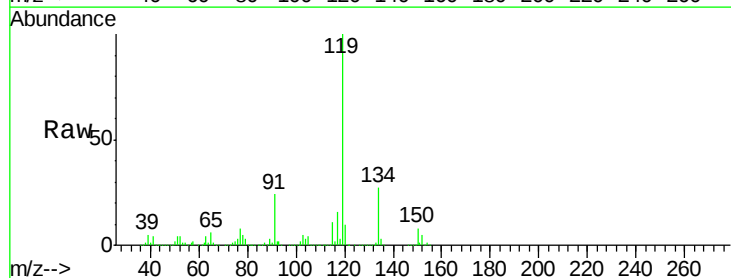
Tgt Ion:119 Resp: 443757

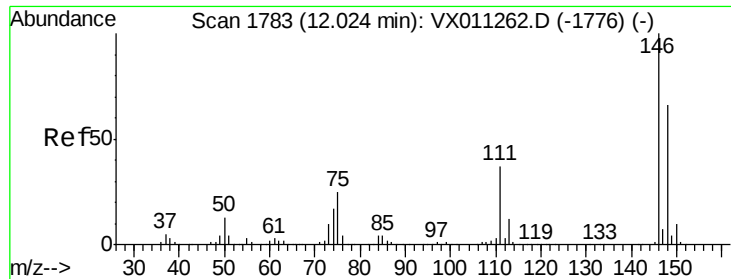
Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.0

91 23.5 11.4 34.2





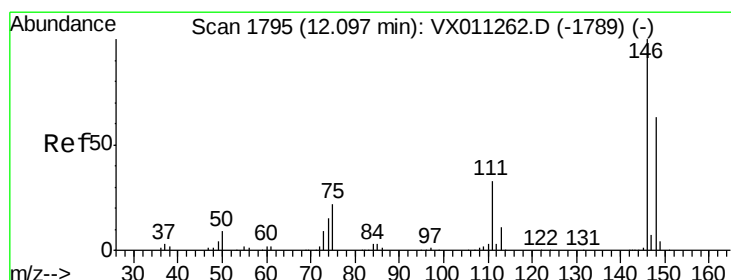
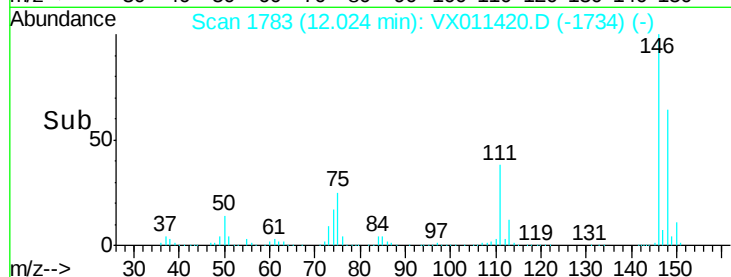
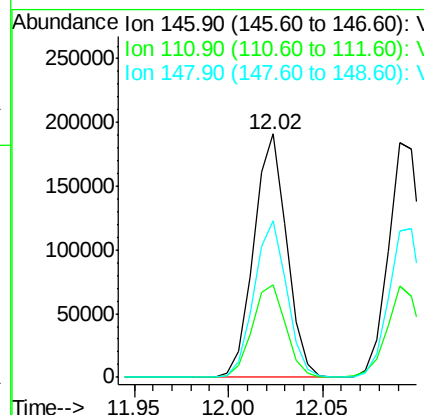
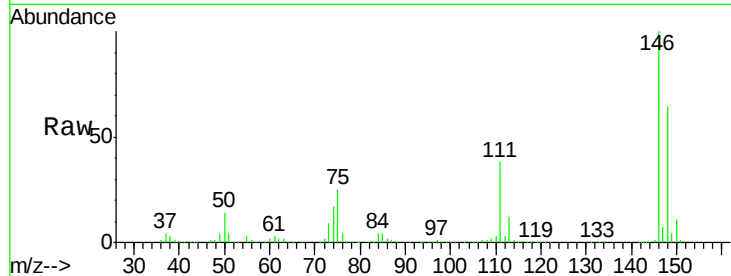
#87
 1,3-Dichlorobenzene
 Concen: 49.666 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011420.D
 Acq: 11 Aug 2019 10:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.6	55.8
148	63.9	32.5	97.5

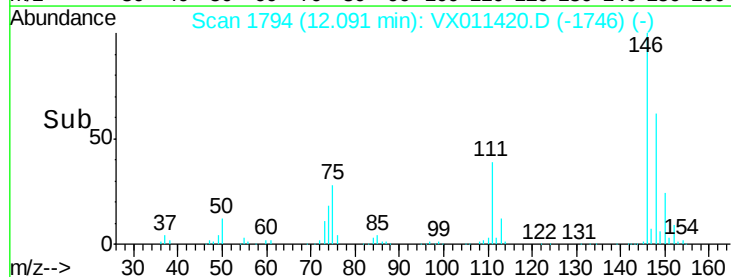
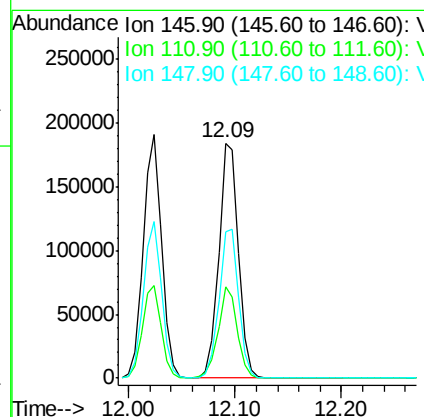
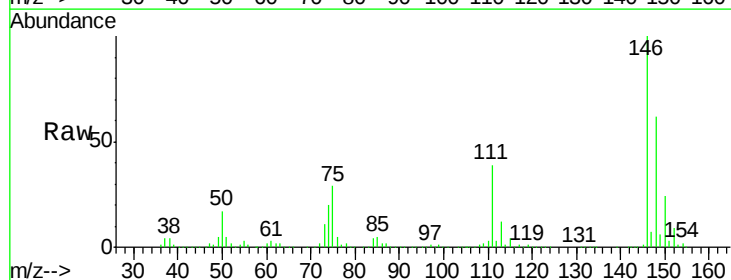
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#88
 1,4-Dichlorobenzene
 Concen: 48.387 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VX011420.D
 Acq: 11 Aug 2019 10:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	17.8	53.4
148	63.9	31.8	95.3





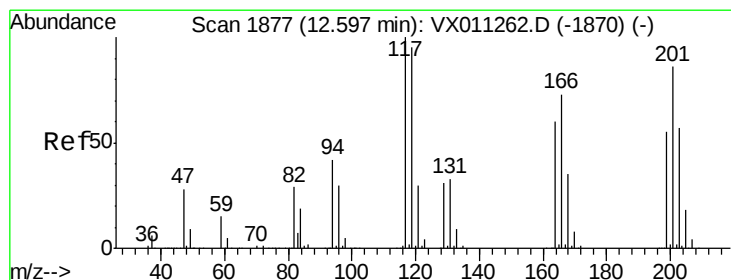
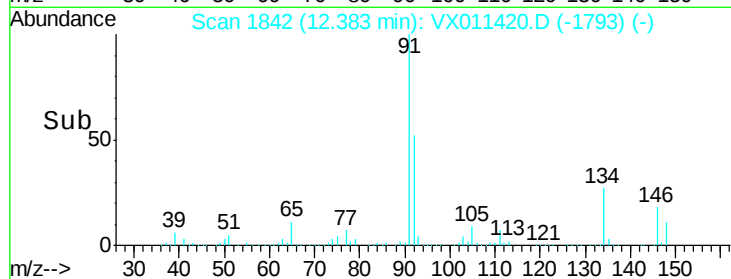
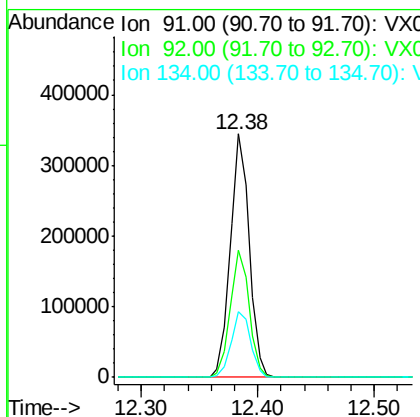
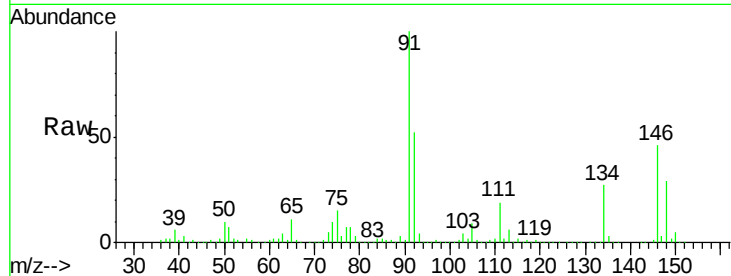
#89
n-Butylbenzene
Concen: 52.555 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.8	77.3
134	27.6	13.7	41.0

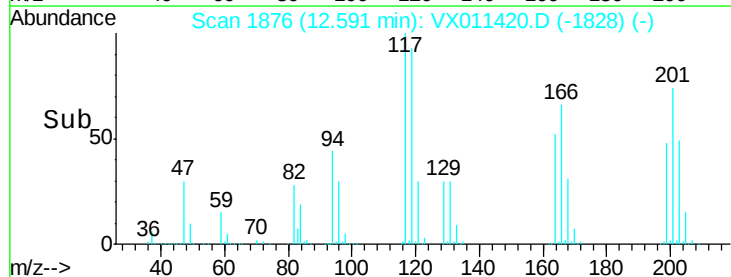
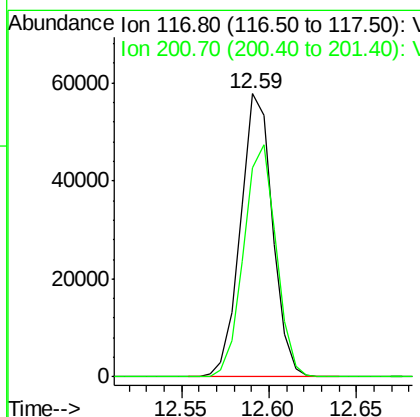
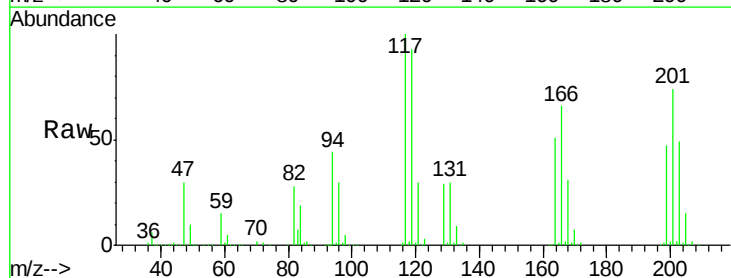
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#90
Hexachloroethane
Concen: 57.629 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011420.D
Acq: 11 Aug 2019 10:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.2	41.8	125.4





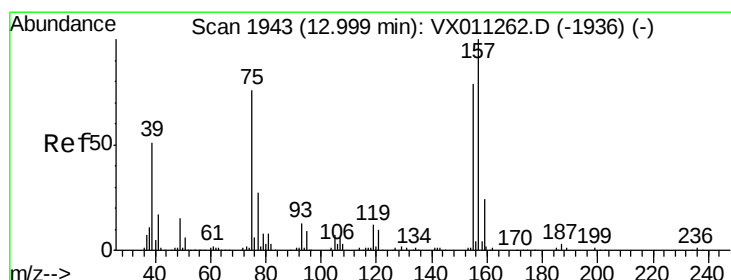
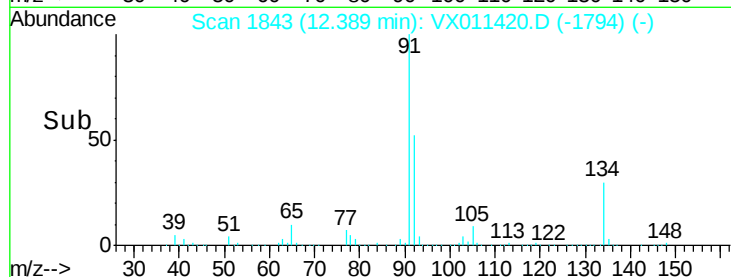
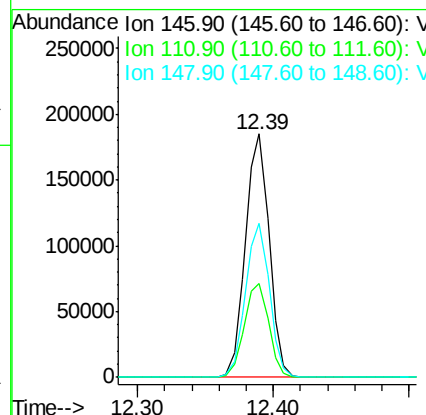
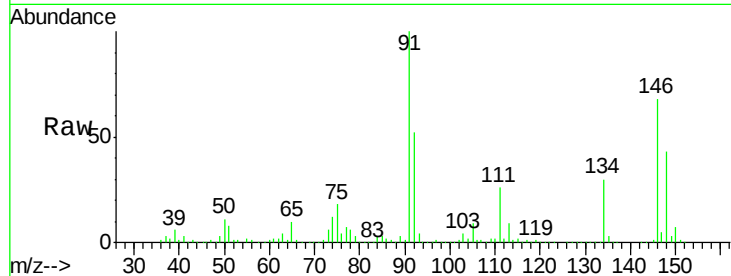
#91
 1,2-Dichlorobenzene
 Concen: 48.295 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX011420.D
 Acq: 11 Aug 2019 10:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	225887		
111	39.8	19.1	57.1	
148	63.9	32.3	96.8	

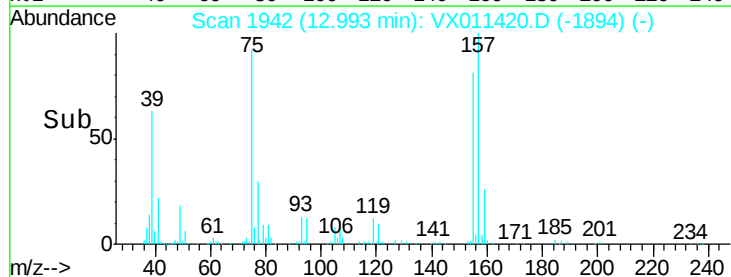
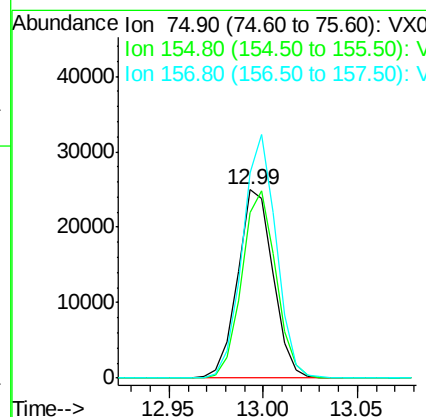
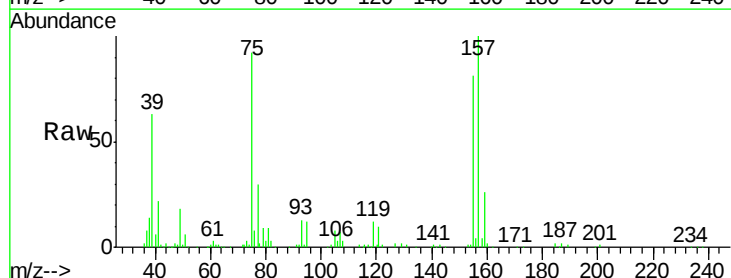
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.955 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX011420.D
 Acq: 11 Aug 2019 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32484		
155	96.0	51.9	155.8	
157	122.8	64.3	192.7	





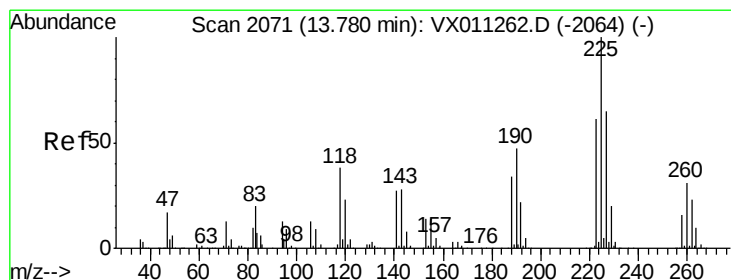
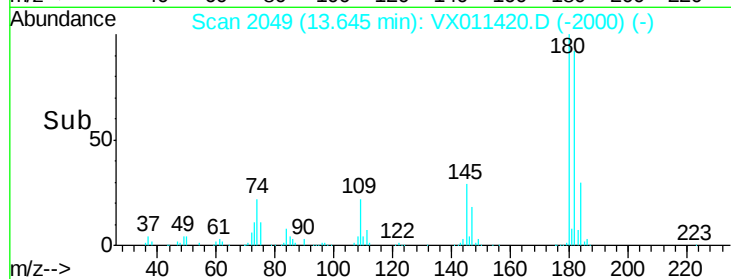
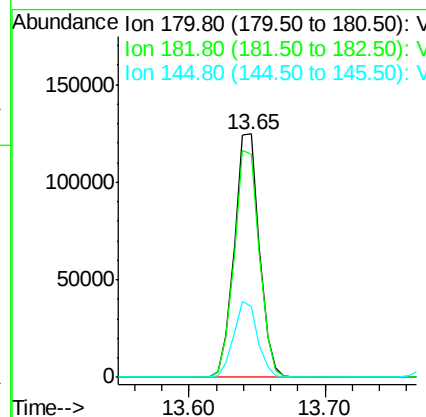
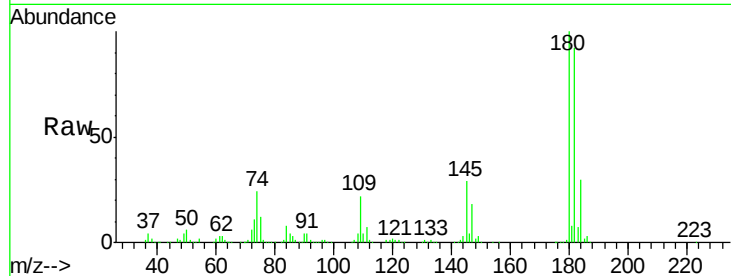
#93
 1,2,4-Trichlorobenzene
 Concen: 51.299 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX011420.D
 Acq: 11 Aug 2019 10:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	159124		
182	93.9	47.8	143.4	
145	30.1	14.8	44.3	

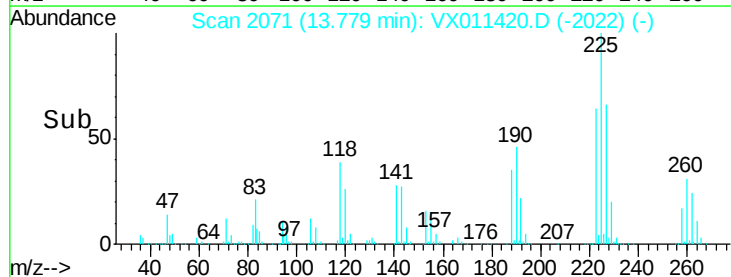
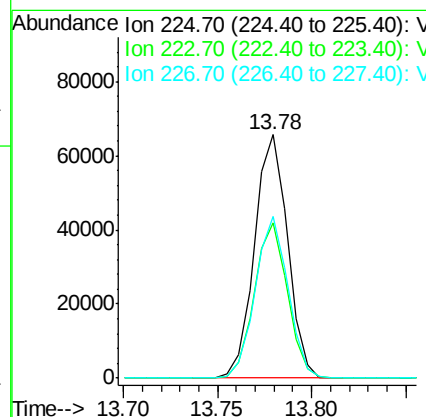
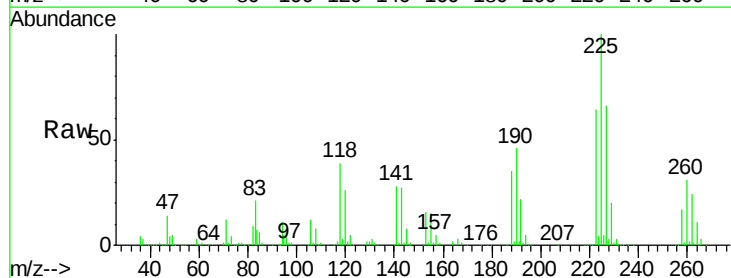
Manual Integrations
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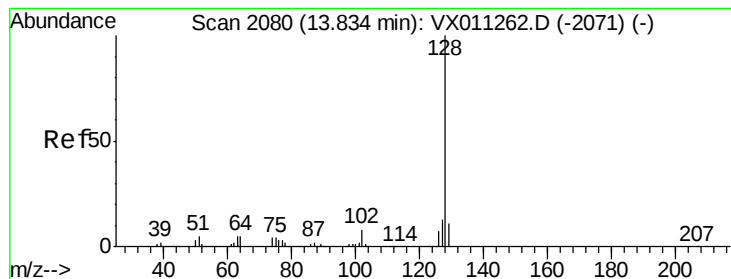
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 8/12/2019 10:30:20 AM



#94
 Hexachlorobutadiene
 Concen: 50.635 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011420.D
 Acq: 11 Aug 2019 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	79687		
223	63.7	31.0	93.0	
227	65.8	32.2	96.6	





#95

Naphthalene

Concen: 51.975 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Instrument :

MSVOA_X

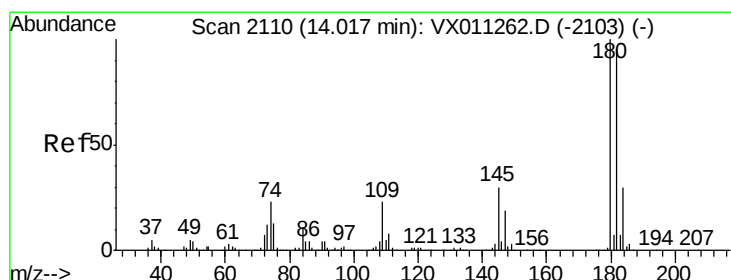
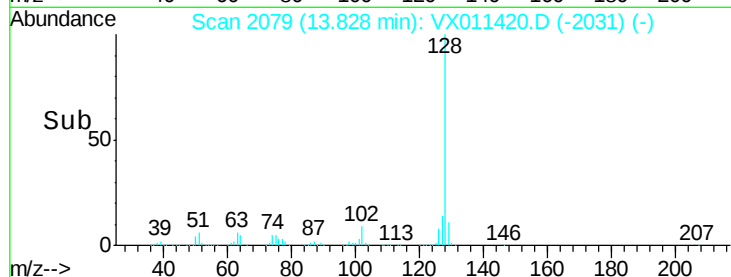
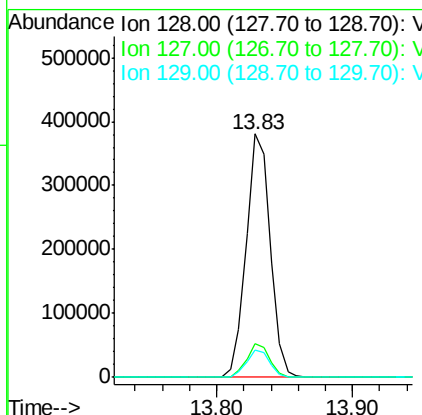
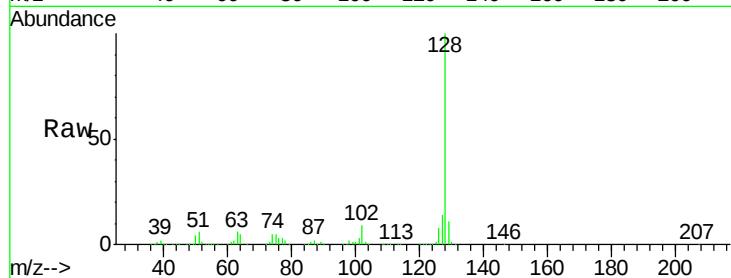
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	471471
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.4	15.6
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/12/2019 10:30:20 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.717 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX011420.D

Acq: 11 Aug 2019 10:33

Tgt Ion:	180	Resp:	159934
Ion Ratio	Lower	Upper	
180	100		
182	93.1	47.4	142.3
145	31.0	15.2	45.6

