

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021020\
 Data File : VX014877.D
 Acq On : 10 Feb 2020 10:16
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 2/11/2020 10:36:01 AM

Quant Time: Feb 10 11:40:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 11:22:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	462130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	687322	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	639944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	336472	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	28068	4.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.52%	
35) Dibromofluoromethane	5.49	113	22091	4.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.92%	
50) Toluene-d8	8.71	98	82805	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	
62) 4-Bromofluorobenzene	11.13	95	28291	4.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	19276	4.571	ug/l	99
3) Chloromethane	1.32	50	23294	4.787	ug/l	99
4) Vinyl Chloride	1.41	62	24231	4.604	ug/l	95
5) Bromomethane	1.64	94	15638	4.649	ug/l	100
6) Chloroethane	1.72	64	16889	4.909	ug/l	99
7) Trichlorofluoromethane	1.92	101	36725	4.957	ug/l	98
8) Diethyl Ether	2.18	74	15370	4.964	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	2.38	101	22055	5.040	ug/l	97
10) Methyl Iodide	2.51	142	10914	3.102	ug/l	94
11) Tert butyl alcohol	3.03	59	22350	24.820	ug/l #	93
12) 1,1-Dichloroethene	2.37	96	21231	5.078	ug/l	95
13) Acrolein	2.28	56	17895	25.772	ug/l	91
14) Allyl chloride	2.72	41	35211	4.712	ug/l	99
15) Acrylonitrile	3.13	53	57924	25.196	ug/l	96
16) Acetone	2.43	43	73207	22.544	ug/l	99
17) Carbon Disulfide	2.56	76	55460	4.791	ug/l	98
18) Methyl Acetate	2.76	43	26103	5.088	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	66011	4.878	ug/l	98
20) Methylene Chloride	2.85	84	25285	4.911	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	23313	5.005	ug/l	97
22) Diisopropyl ether	3.84	45	70521	4.977	ug/l	97
23) Vinyl Acetate	3.81	43	298975	25.489	ug/l	98
24) 1,1-Dichloroethane	3.69	63	41011	5.095	ug/l	99
25) 2-Butanone	4.66	43	86366	24.566	ug/l	98
26) 2,2-Dichloropropane	4.57	77	35029	5.051	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	26523	5.134	ug/l	98
28) Bromochloromethane	5.01	49	15855	5.874	ug/l	92
29) Tetrahydrofuran	5.12	42	50469	25.665	ug/l	97
30) Chloroform	5.20	83	40392	5.047	ug/l	97
31) Cyclohexane	5.58	56	36097	5.120	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	34652	5.012	ug/l	97
36) 1,1-Dichloropropene	5.79	75	30517	5.051	ug/l	99
37) Ethyl Acetate	4.83	43	31933	5.060	ug/l #	95
38) Carbon Tetrachloride	5.77	117	29419	5.035	ug/l	96

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 ALS Vial : 3 Sample Multiplier: 1

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 ClientSampleID :
 VSTDIC005

Manual Integrations
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	37330	4.898	ug/l	96
40) Benzene	6.14	78	93348	5.109	ug/l	97
41) Methacrylonitrile	5.03	41	16904	5.077	ug/l #	86
42) 1,2-Dichloroethane	6.18	62	34775	5.216	ug/l	96
43) Isopropyl Acetate	6.44	43	52487	5.108	ug/l	98
44) Trichloroethene	7.20	130	26149	4.935	ug/l	96
45) 1,2-Dichloropropane	7.51	63	24675	5.311	ug/l	100
46) Dibromomethane	7.65	93	15644	4.908	ug/l	99
47) Bromodichloromethane	7.89	83	29688	4.777	ug/l	96
48) Methyl methacrylate	7.76	41	26224	5.267	ug/l	92
49) 1,4-Dioxane	7.74	88	9085	94.161	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	158777	25.532	ug/l	98
52) Toluene	8.78	92	59327	5.150	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	33335	5.024	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	35421	4.753	ug/l #	95
55) 1,1,2-Trichloroethane	9.21	97	24119	5.164	ug/l	98
56) Ethyl methacrylate	9.17	69	33230	4.949	ug/l	97
57) 1,3-Dichloropropane	9.37	76	39729	5.041	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	90906	25.005	ug/l	99
59) 2-Hexanone	9.48	43	124076	25.567	ug/l	97
60) Dibromochloromethane	9.57	129	23347	4.819	ug/l	96
61) 1,2-Dibromoethane	9.67	107	25465	5.039	ug/l	94
64) Tetrachloroethene	9.33	164	29052	4.952	ug/l	96
65) Chlorobenzene	10.13	112	64919	5.009	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	23519	5.106	ug/l	97
67) Ethyl Benzene	10.25	91	108267	4.989	ug/l	99
68) m/p-Xylenes	10.36	106	82715	9.923	ug/l	99
69) o-Xylene	10.70	106	39593	4.957	ug/l	99
70) Styrene	10.71	104	65308	4.929	ug/l	100
71) Bromoform	10.85	173	17120	4.640	ug/l #	96
73) Isopropylbenzene	11.01	105	106486	5.072	ug/l	99
74) N-amyl acetate	10.89	43	38913	4.699	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	33921	4.907	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	32808m	4.511	ug/l	
77) Bromobenzene	11.25	156	29602	5.020	ug/l	96
78) n-propylbenzene	11.35	91	121496	5.023	ug/l	100
79) 2-Chlorotoluene	11.42	91	72675	5.077	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	86122	5.001	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	9376	4.613	ug/l	86
82) 4-Chlorotoluene	11.51	91	83114	4.934	ug/l	99
83) tert-Butylbenzene	11.76	119	83578	5.064	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	85860	4.920	ug/l	100
85) sec-Butylbenzene	11.94	105	101703	4.972	ug/l	99
86) p-Isopropyltoluene	12.06	119	94283	4.947	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	52456	4.980	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	53039	5.021	ug/l	93
89) n-Butylbenzene	12.39	91	82519	4.891	ug/l	98
90) Hexachloroethane	12.59	117	15554	4.789	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	51821	5.033	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	7676	4.689	ug/l	89

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 ALS Vial : 3 Sample Multiplier: 1

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 ClientSampleId :
 VSTDICC005

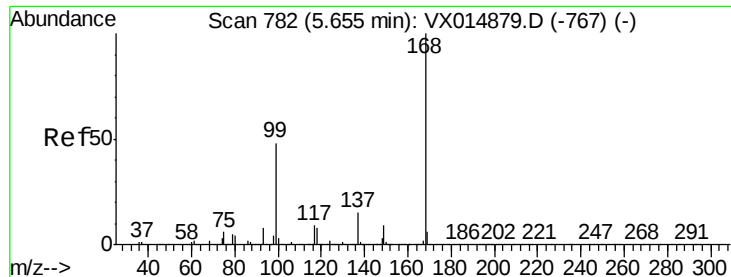
Manual Integrations
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	36555	4.890	ug/l	98
94) Hexachlorobutadiene	13.78	225	18232	4.953	ug/l	98
95) Naphthalene	13.83	128	91817	4.747	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	35626	4.917	ug/l	97

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



#1

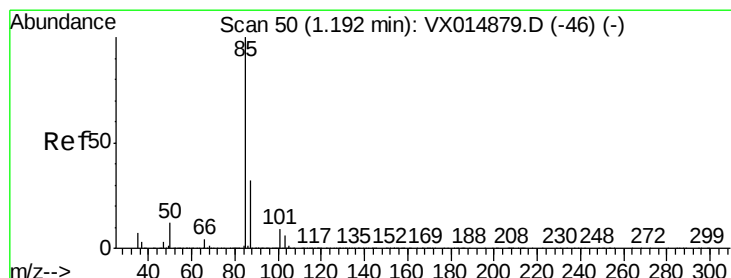
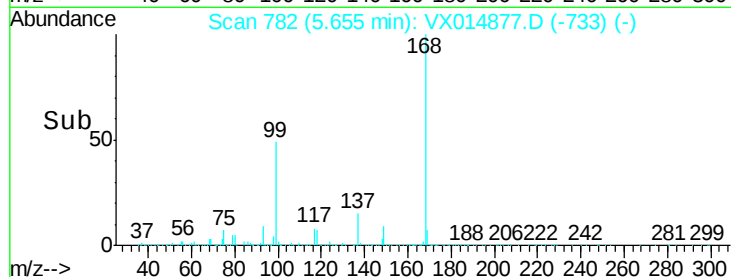
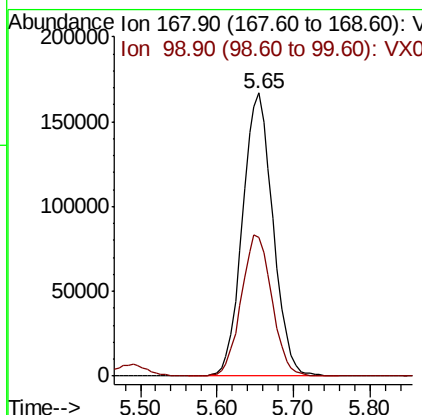
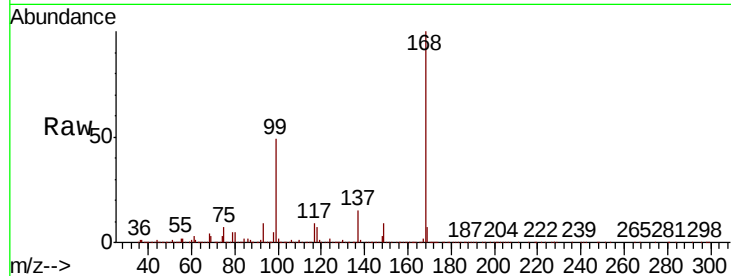
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.00 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.1	38.7	58.1

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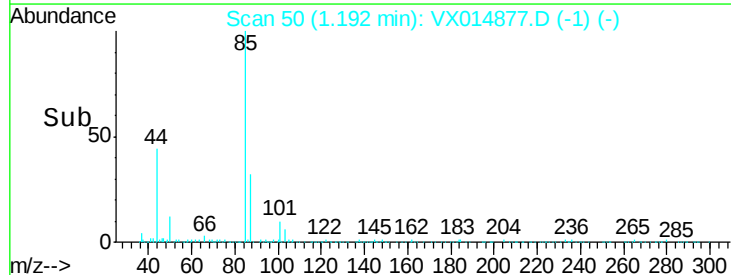
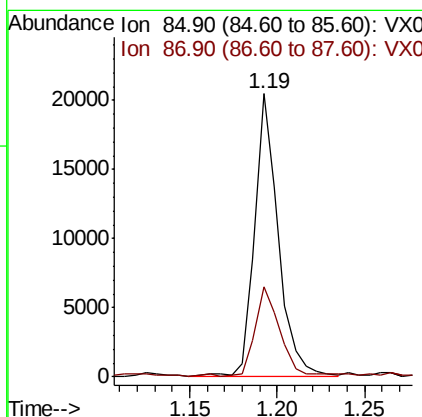
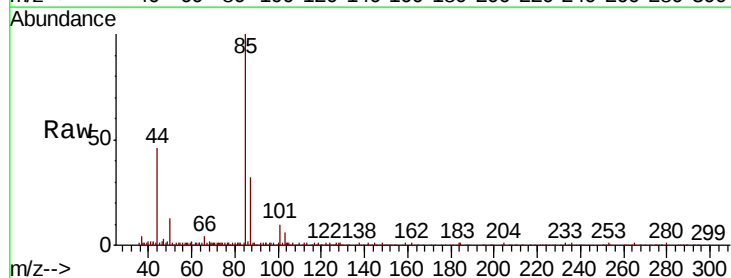
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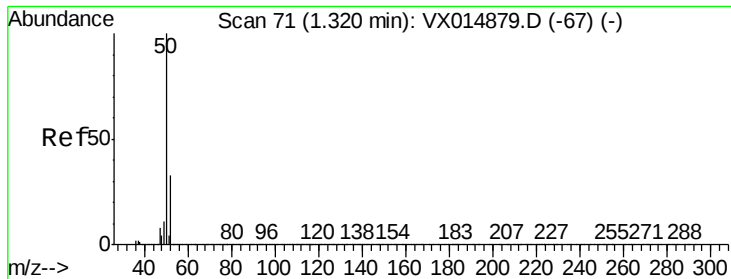


#2

Dichlorodifluoromethane
Concen: 4.571 ug/l
RT: 1.19 min Scan# 50
Delta R.T. 0.00 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.8	16.1	48.2





#3

Chloromethane

Concen: 4.787 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 23294

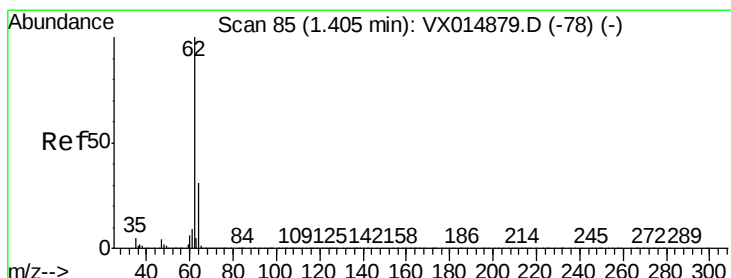
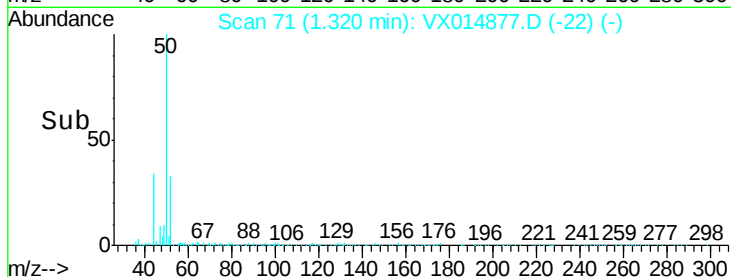
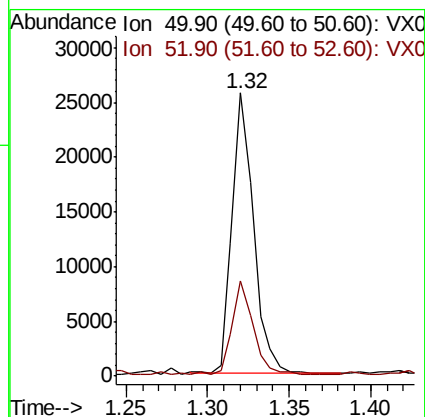
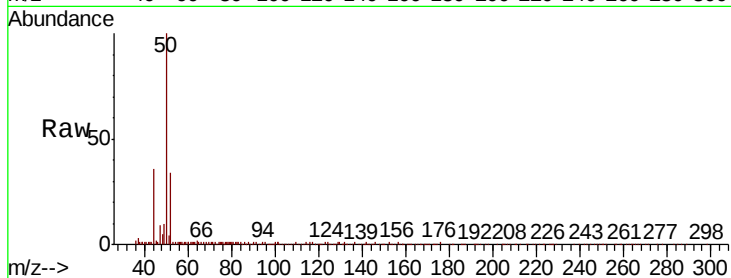
Ion Ratio Lower Upper

50 100

52 33.3 26.2 39.2

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#4

Vinyl Chloride

Concen: 4.604 ug/l

RT: 1.41 min Scan# 85

Delta R.T. 0.00 min

Lab File: VX014877.D

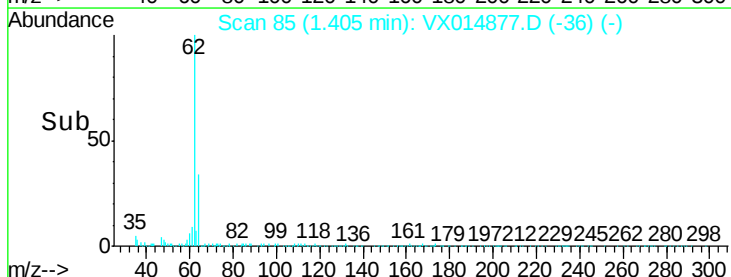
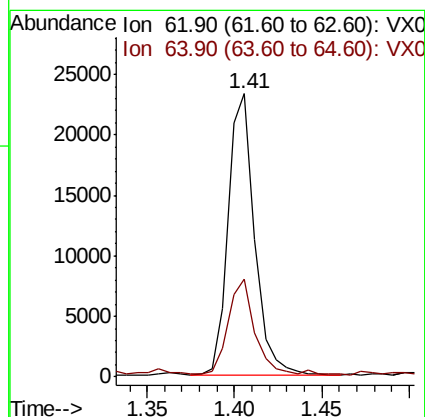
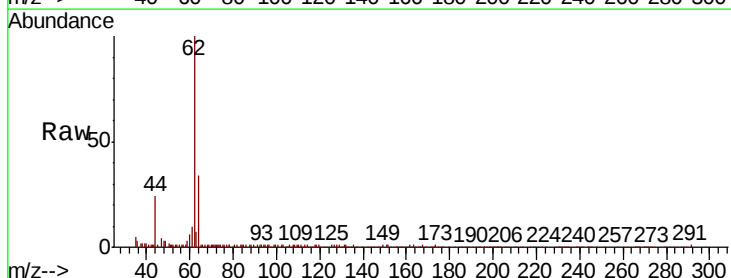
Acq: 10 Feb 2020 10:16

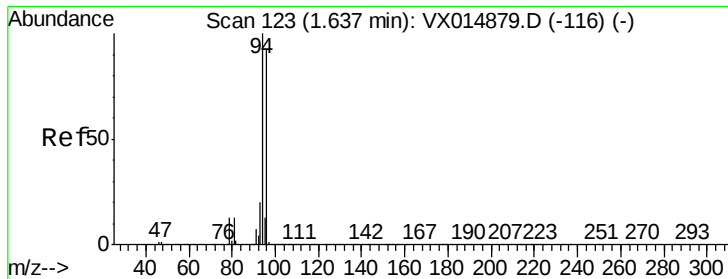
Tgt Ion: 62 Resp: 24231

Ion Ratio Lower Upper

62 100

64 33.6 24.8 37.2





#5

Bromomethane

Concen: 4.649 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 15638

Ion Ratio Lower Upper

94 100

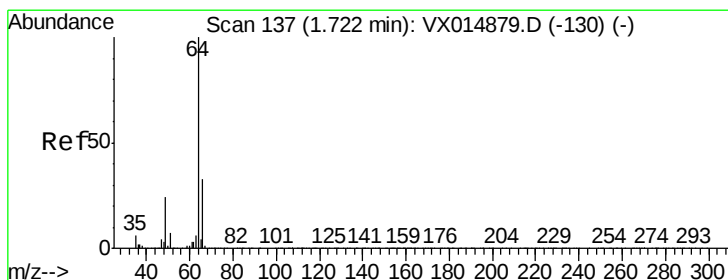
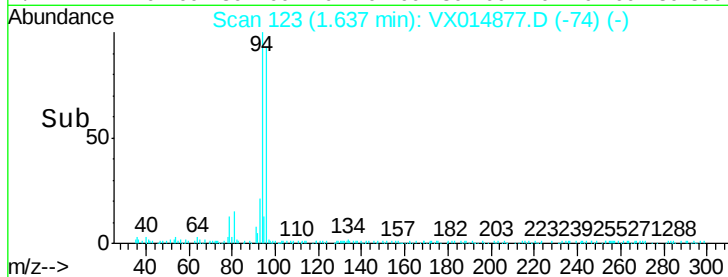
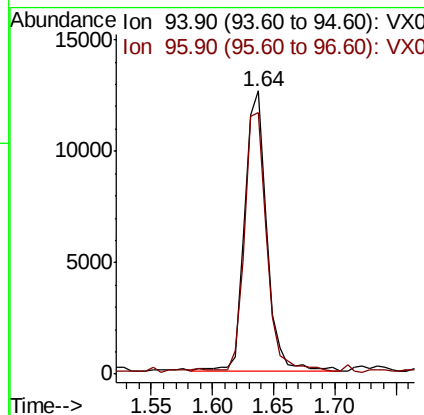
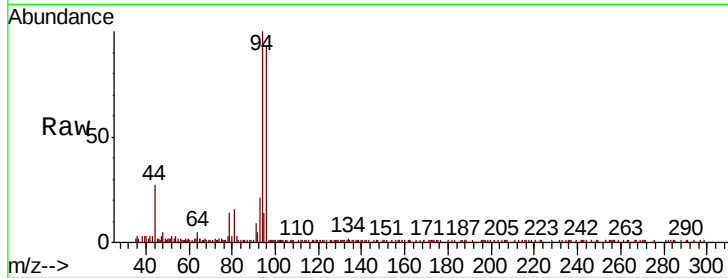
96 92.1 73.7 110.5

Manual Integrations

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2/11/2020 10:36:01 AM



#6

Chloroethane

Concen: 4.909 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.00 min

Lab File: VX014877.D

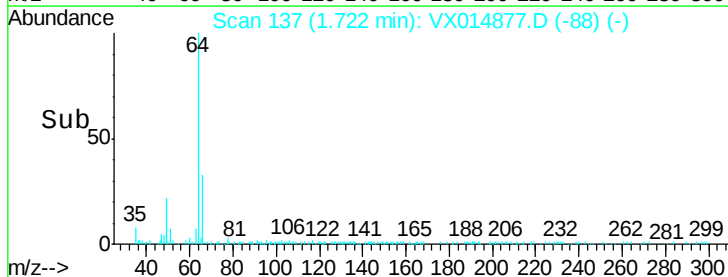
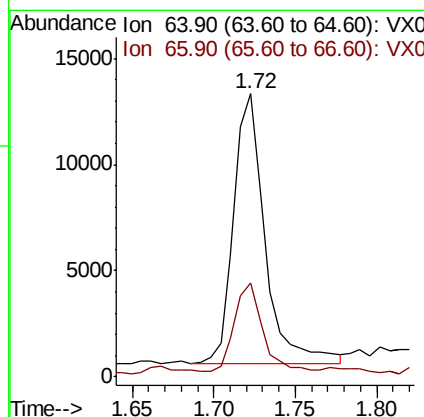
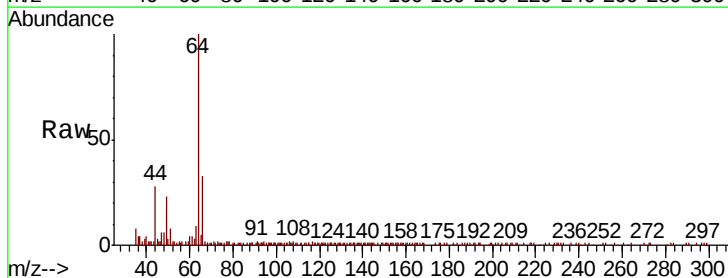
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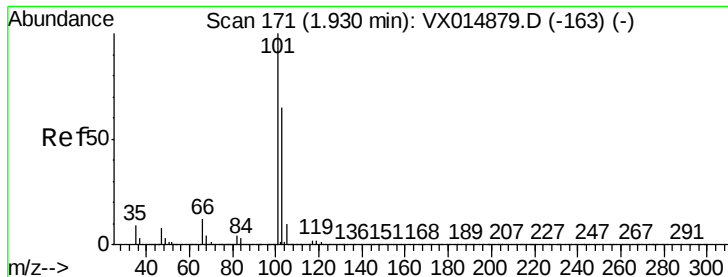
Tgt Ion: 64 Resp: 16889

Ion Ratio Lower Upper

64 100

66 32.4 26.2 39.4





#7

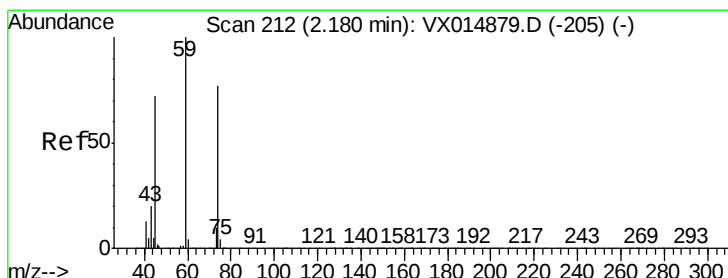
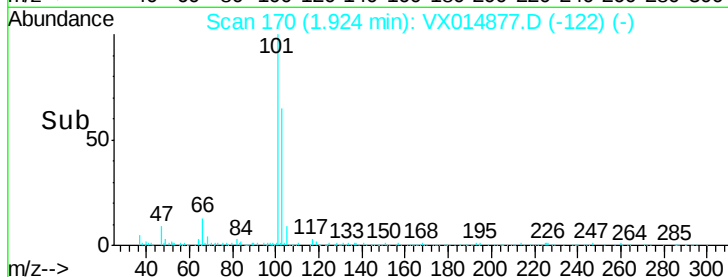
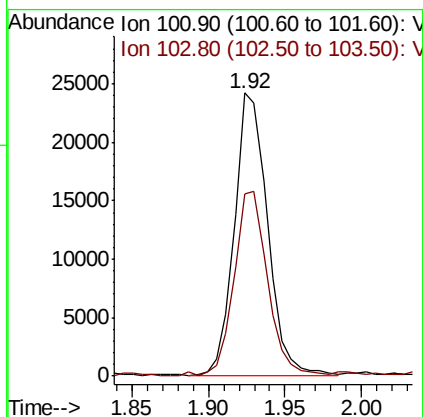
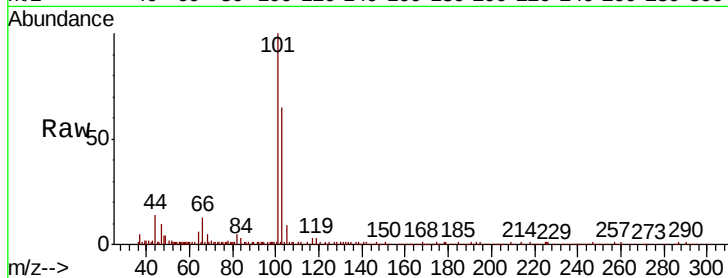
Trichlorofluoromethane
Concen: 4.957 ug/l
RT: 1.92 min Scan# 170
Delta R.T. -0.01 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.2	78.4

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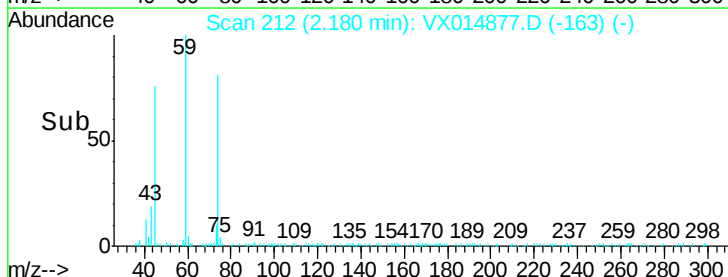
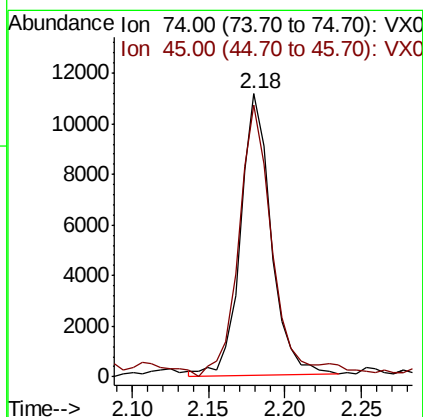
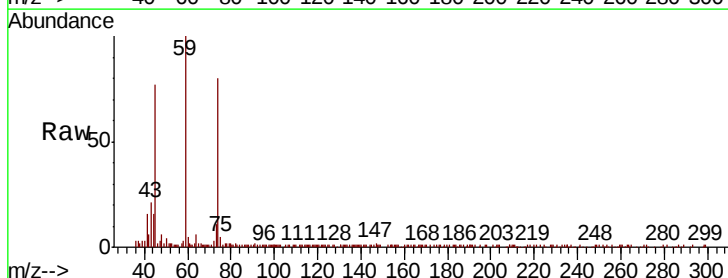
MMDadoda
2/11/2020 10:36:01 AM

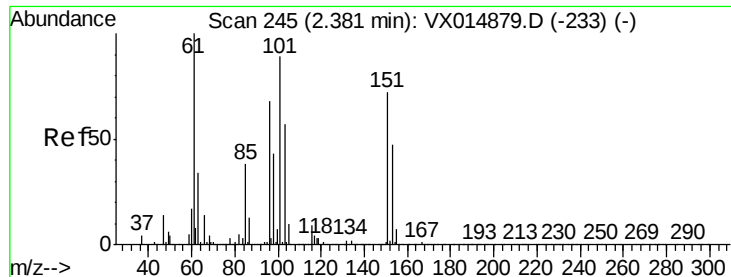


#8

Diethyl Ether
Concen: 4.964 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.2	46.6	139.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.040 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Instrument :

MSVOA_X

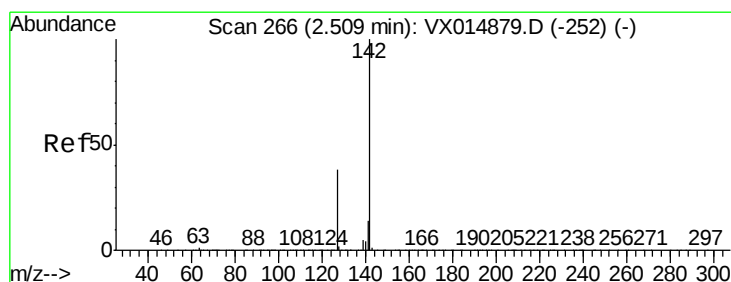
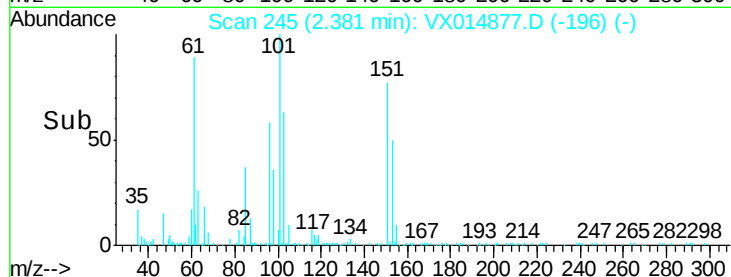
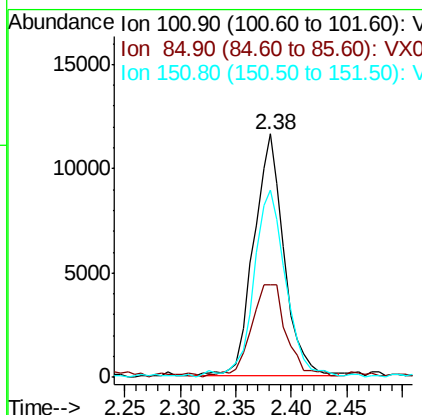
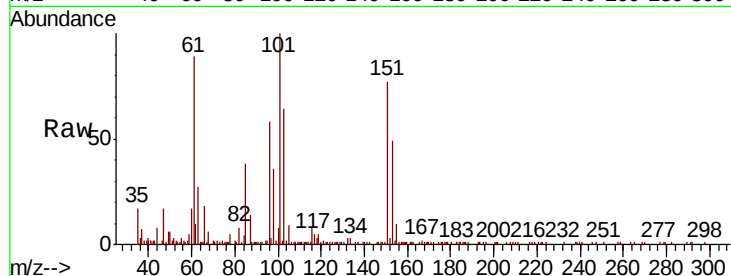
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	22055
Ion Ratio	Lower	Upper	
101	100		
85	45.6	34.1	51.1
151	82.4	67.3	100.9

Manual Integrations
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MMDadoda
2/11/2020 10:36:01 AM



#10

Methyl Iodide

Concen: 3.102 ug/l

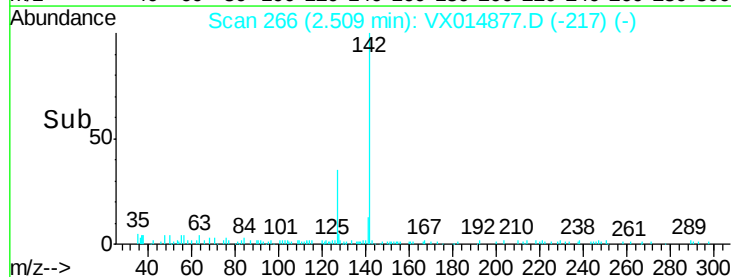
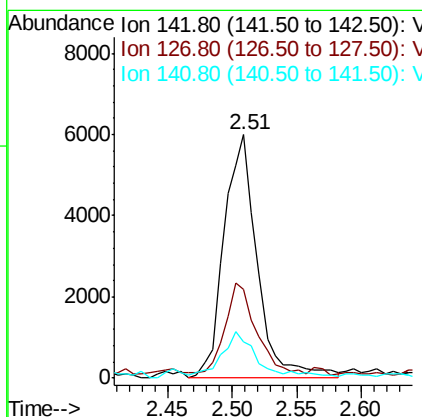
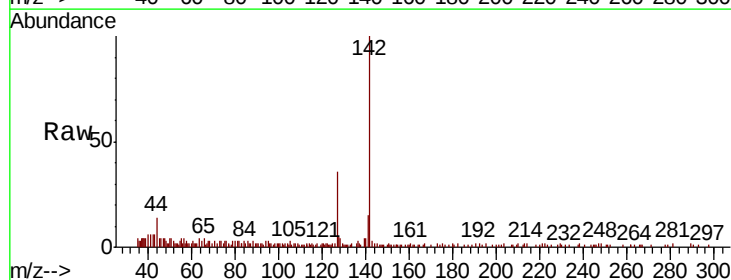
RT: 2.51 min Scan# 266

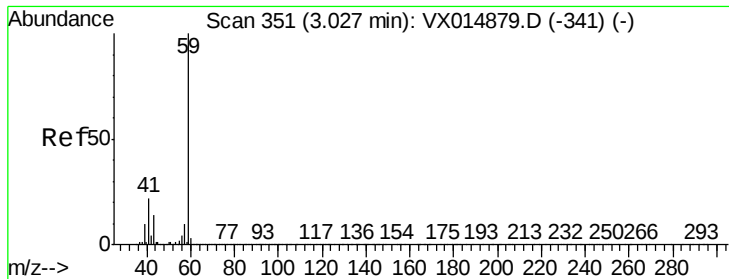
Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Tgt Ion:	142	Resp:	10914
Ion Ratio	Lower	Upper	
142	100		
127	35.0	31.1	46.7
141	16.1	11.3	16.9





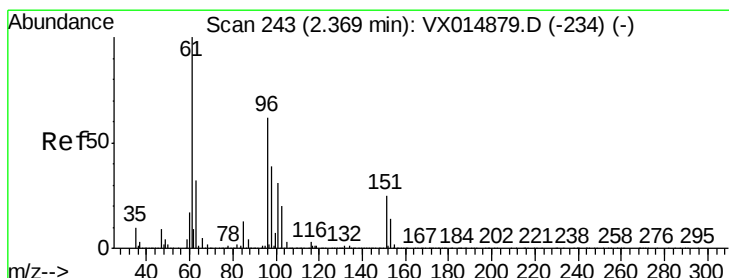
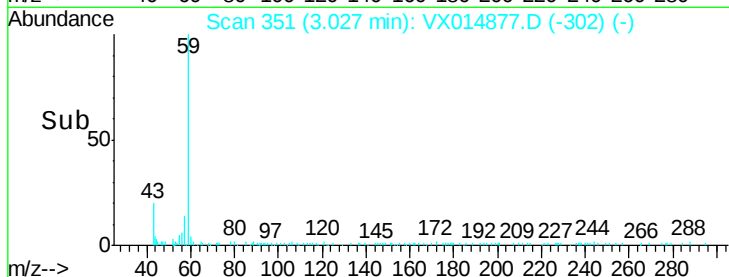
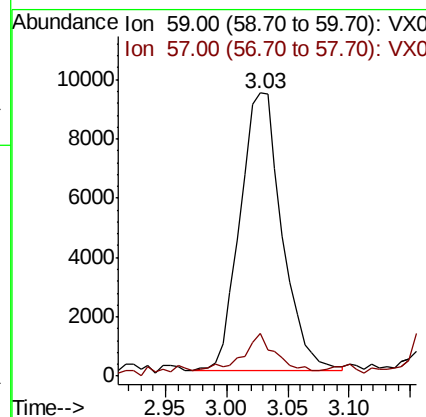
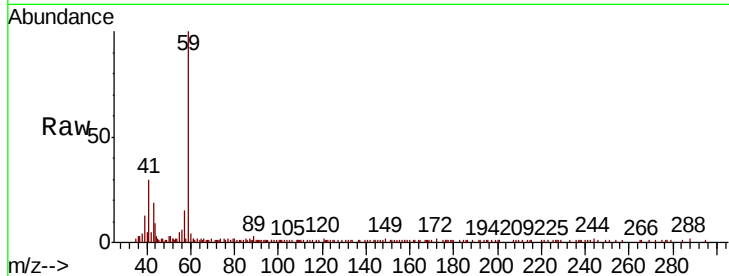
#11
Tert butyl alcohol
Concen: 24.820 ug/l
RT: 3.03 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.0	8.2	12.4#

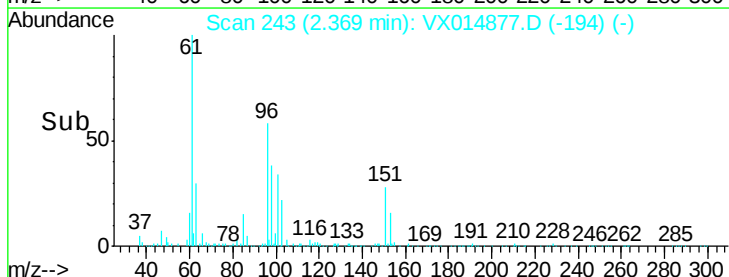
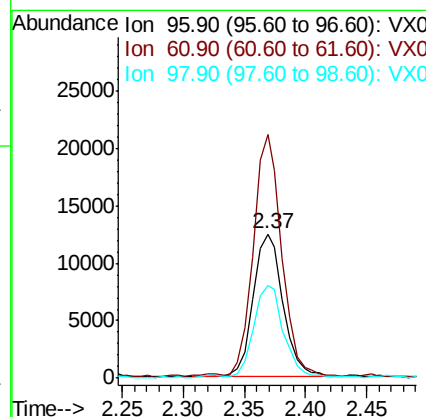
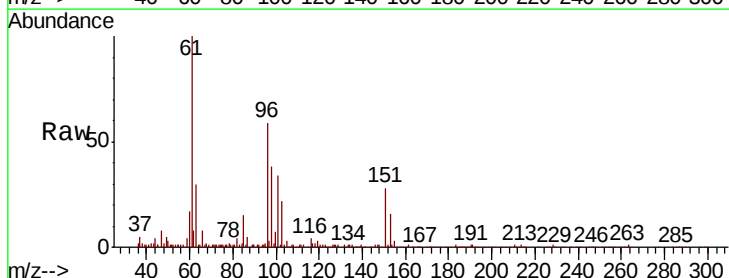
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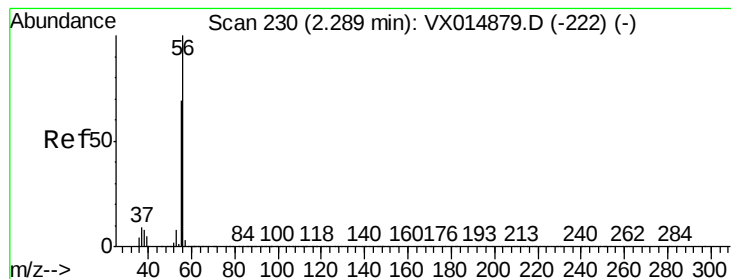
MMDadoda
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#12
1,1-Dichloroethene
Concen: 5.078 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.00 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.1	129.5	194.3
98	64.4	50.6	76.0





#13

Acrolein

Concen: 25.772 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 56 Resp: 17895

Ion Ratio Lower Upper

56 100

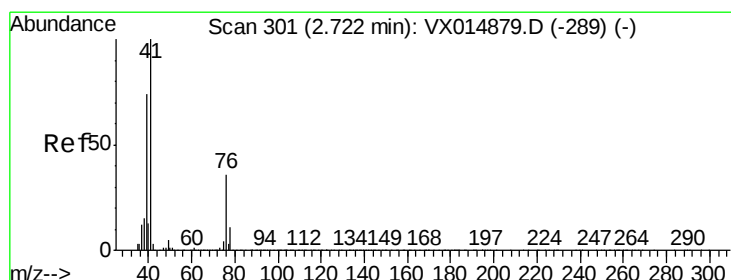
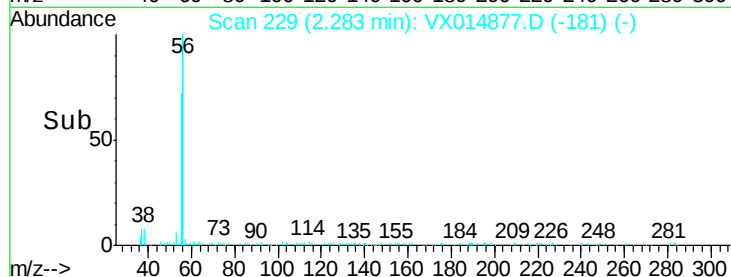
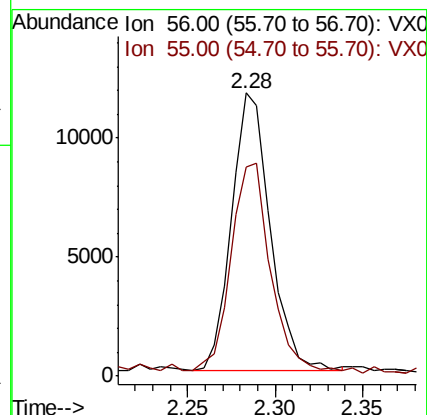
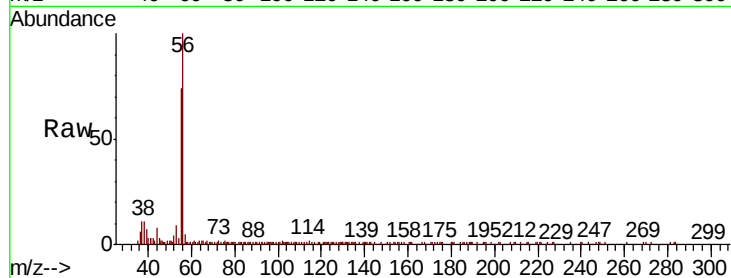
55 75.6 55.0 82.4

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#14

Allyl chloride

Concen: 4.712 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

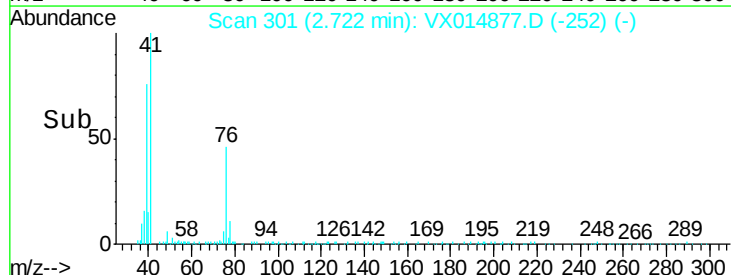
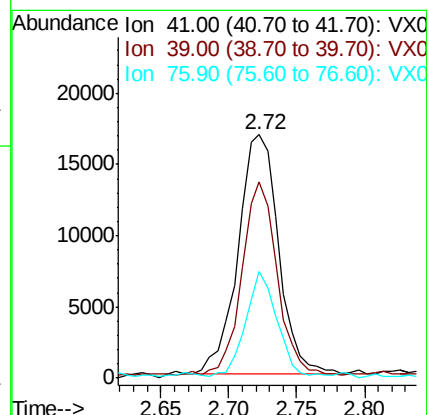
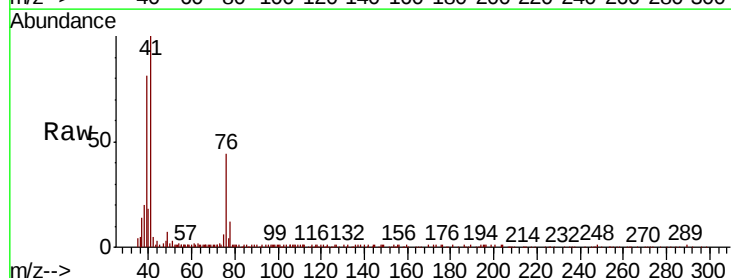
Tgt Ion: 41 Resp: 35211

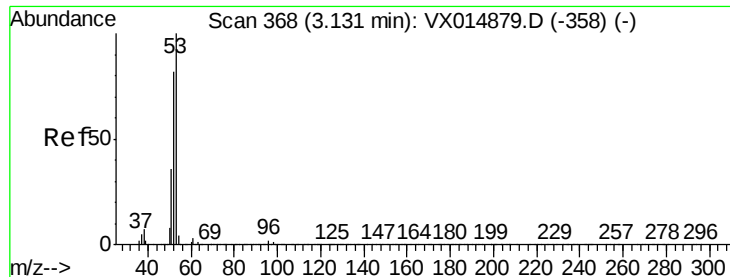
Ion Ratio Lower Upper

41 100

39 69.9 55.2 82.8

76 33.4 26.8 40.2





#15

Acrylonitrile

Concen: 25.196 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Instrument :

MSVOA_X

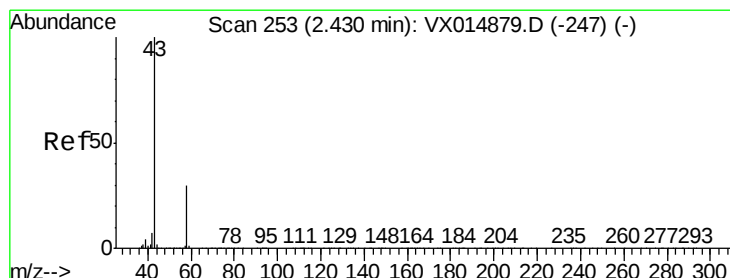
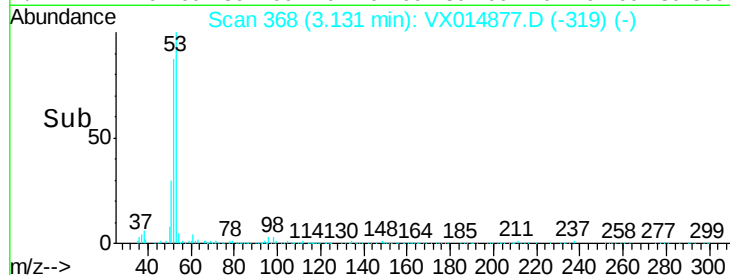
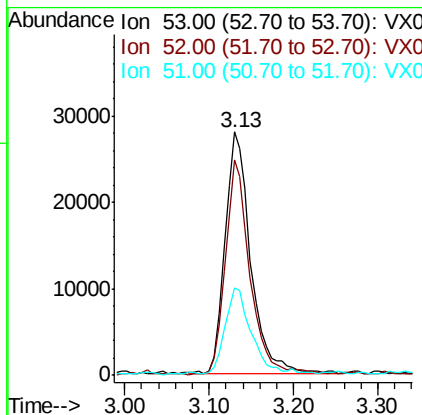
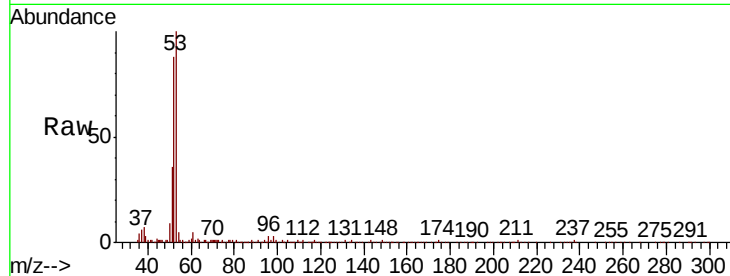
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	57924
Ion Ratio	Lower	Upper	
53	100		
52	87.4	65.8	98.6
51	35.8	29.1	43.7

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#16

Acetone

Concen: 22.544 ug/l

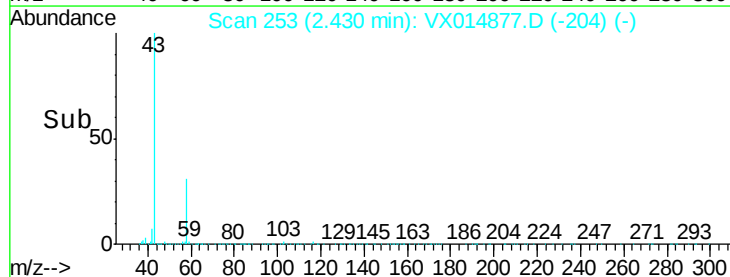
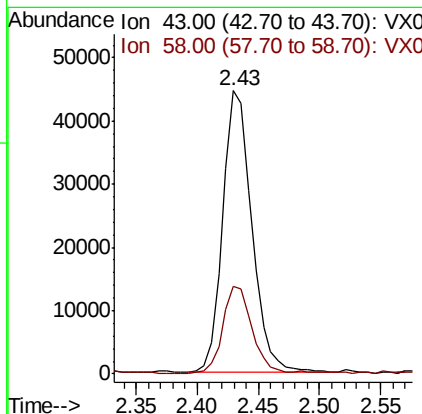
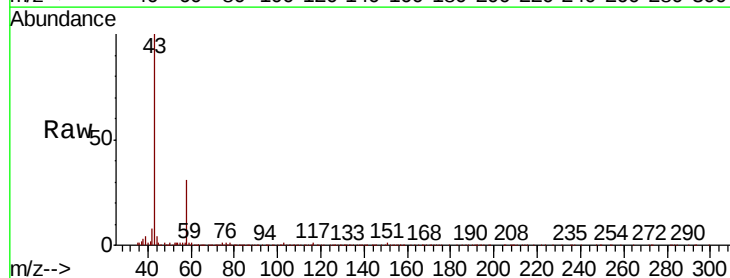
RT: 2.43 min Scan# 253

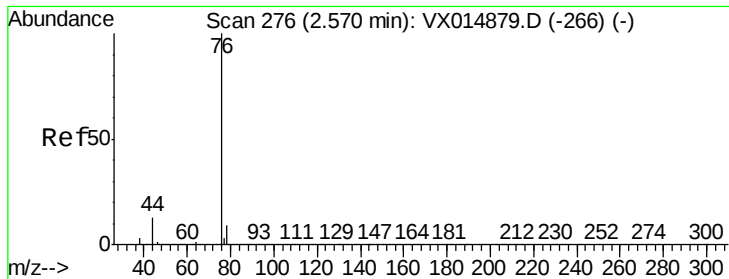
Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Tgt Ion:	43	Resp:	73207
Ion Ratio	Lower	Upper	
43	100		
58	30.6	24.1	36.1





#17

Carbon Disulfide

Concen: 4.791 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.01 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 55460

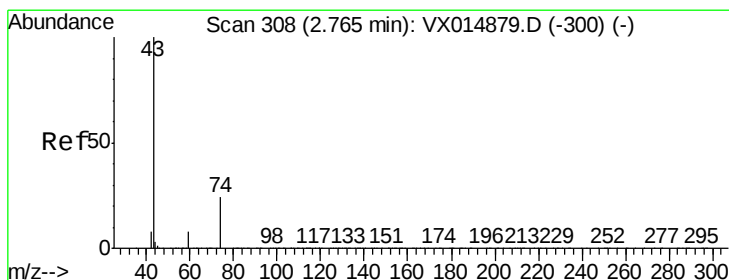
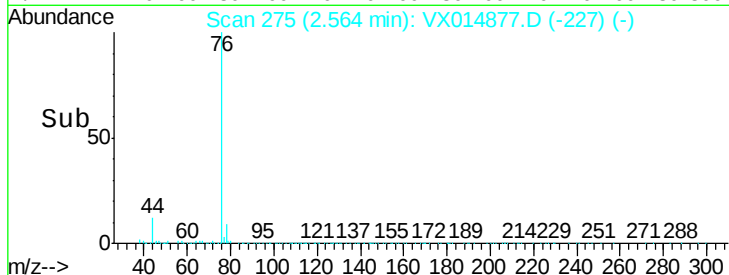
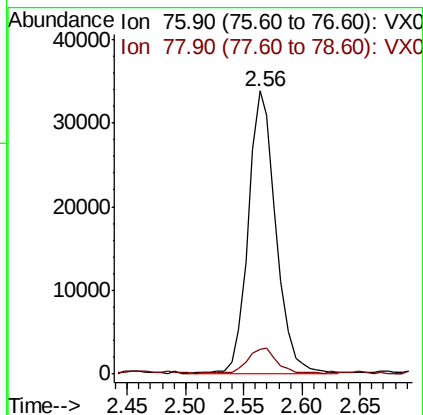
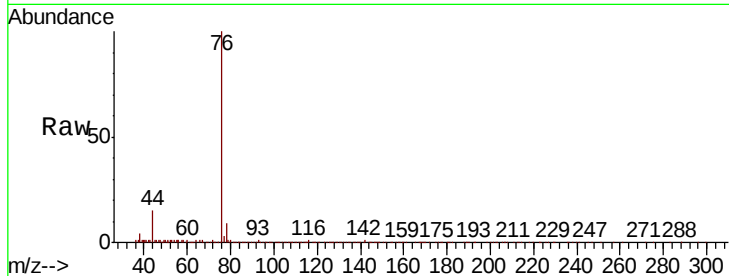
Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.0

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#18

Methyl Acetate

Concen: 5.088 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX014877.D

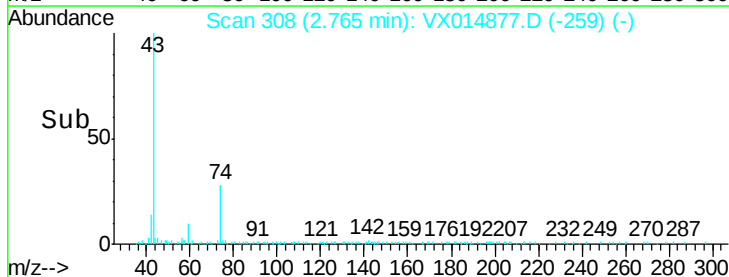
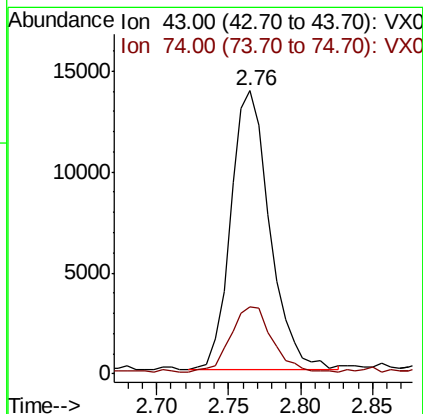
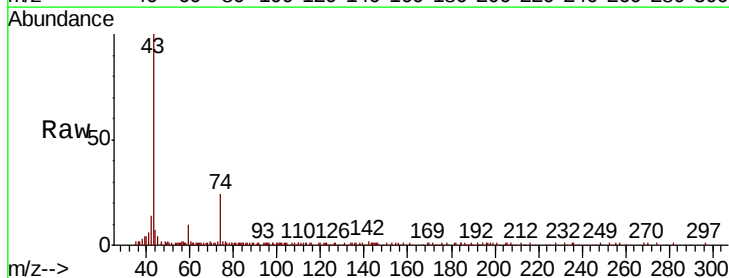
Acq: 10 Feb 2020 10:16

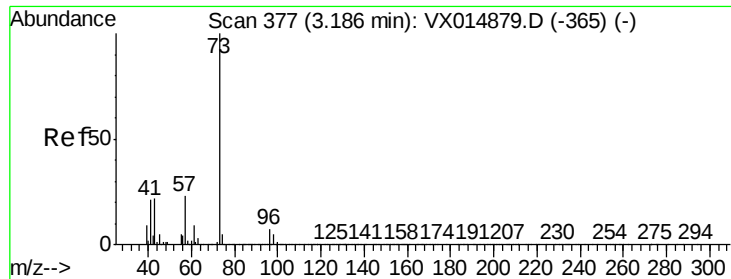
Tgt Ion: 43 Resp: 26103

Ion Ratio Lower Upper

43 100

74 25.1 19.4 29.0





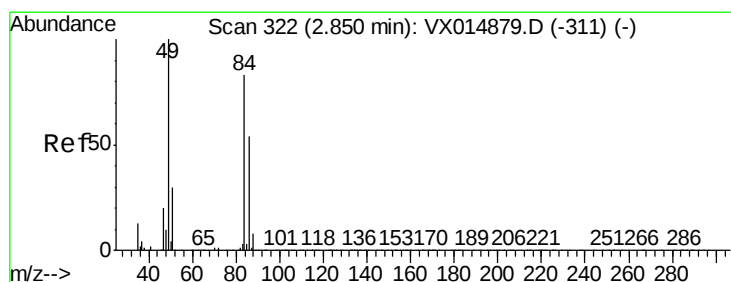
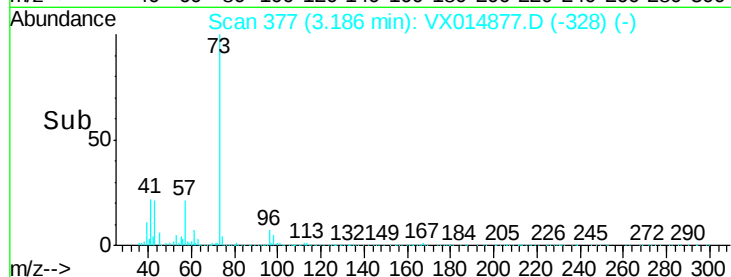
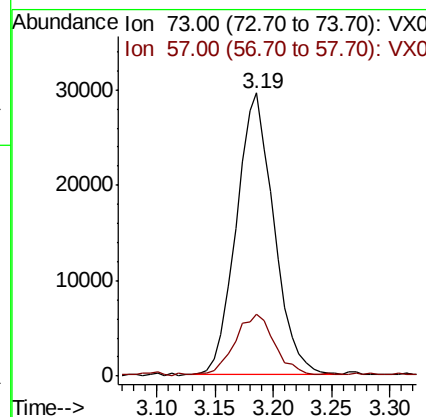
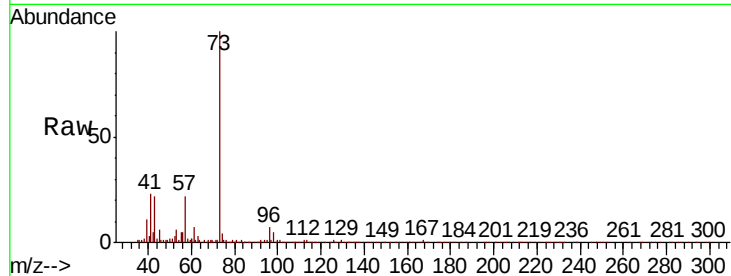
#19
Methvl tert-butvl Ether
Concen: 4.878 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	18.2	27.4

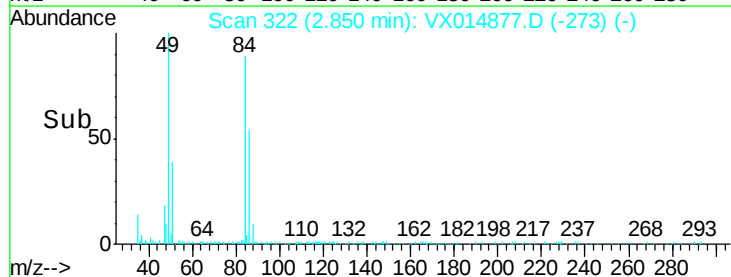
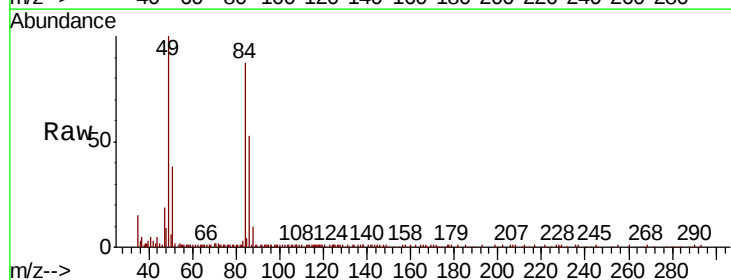
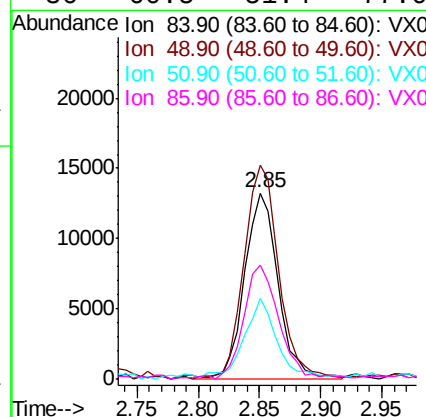
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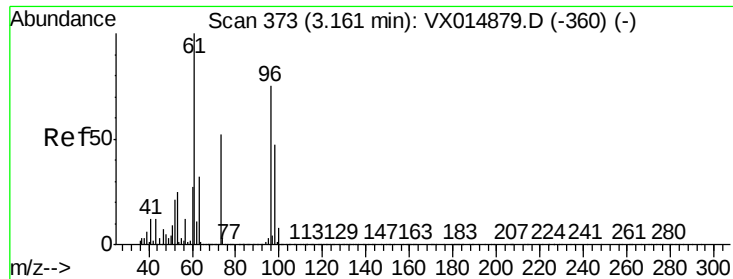
MMDadoda
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#20
Methylene Chloride
Concen: 4.911 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.4	95.6	143.4
51	42.2	29.0	43.6
86	60.5	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 5.005 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Instrument :

MSVOA_X

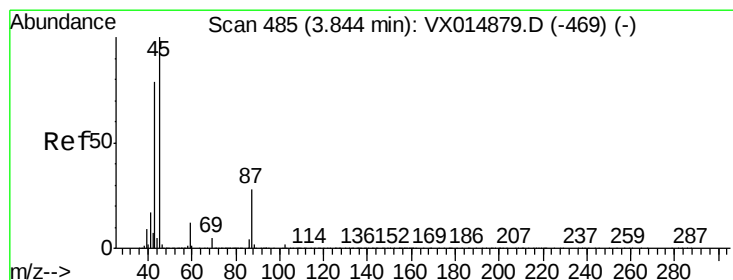
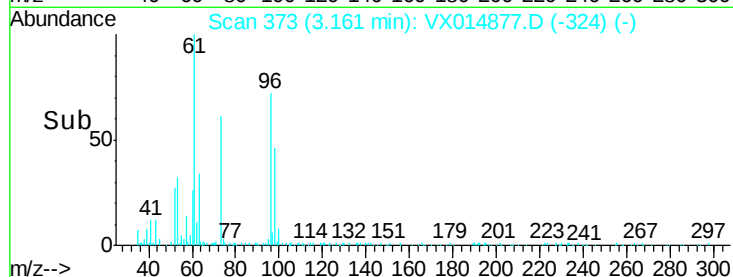
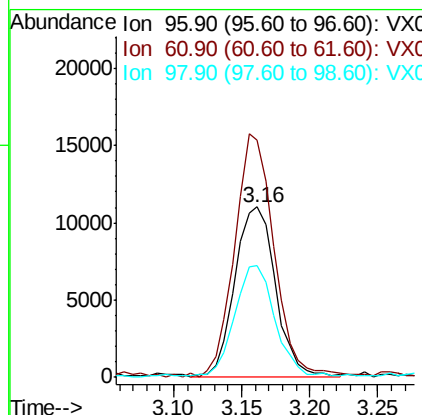
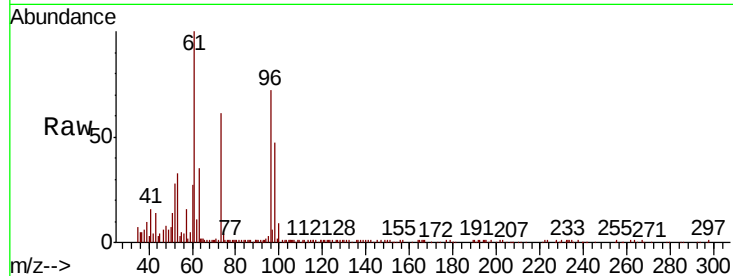
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	23313
Ion	Ratio	Lower	Upper
96	100		
61	137.4	106.9	160.3
98	64.4	50.7	76.1

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2/11/2020 10:36:01 AM



#22

Diisopropyl ether

Concen: 4.977 ug/l

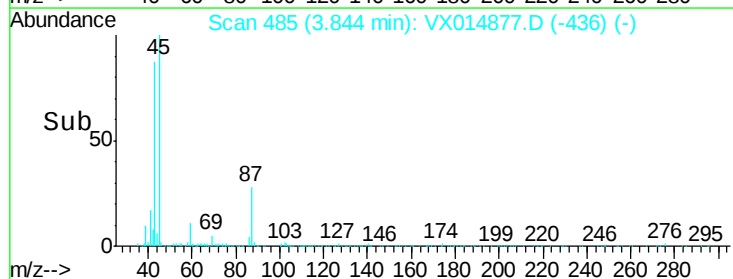
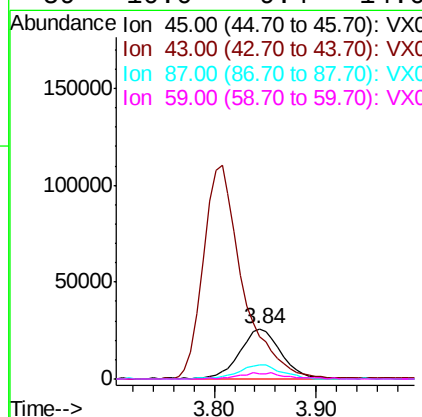
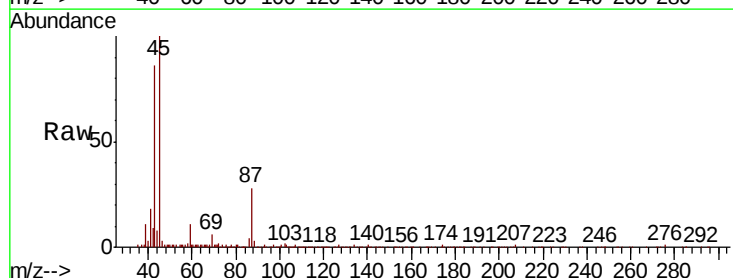
RT: 3.84 min Scan# 485

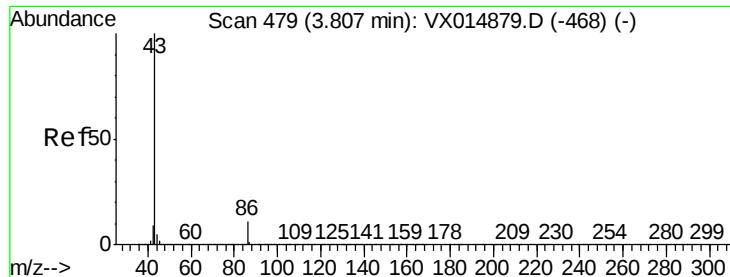
Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Tgt Ion:	45	Resp:	70521
Ion	Ratio	Lower	Upper
45	100		
43	83.1	63.5	95.3
87	27.5	22.2	33.4
59	10.0	9.4	14.0





#23

Vinyl Acetate

Concen: 25.489 ug/l

RT: 3.81 min Scan# 479

Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 298975

Ion Ratio Lower Upper

43 100

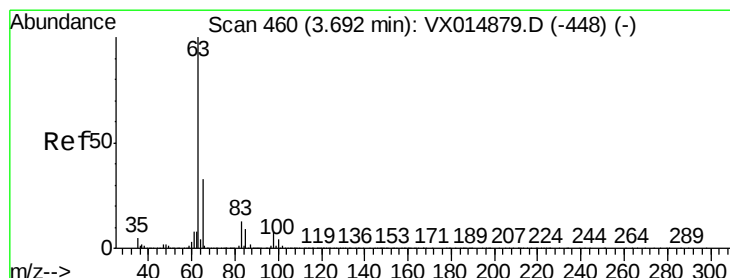
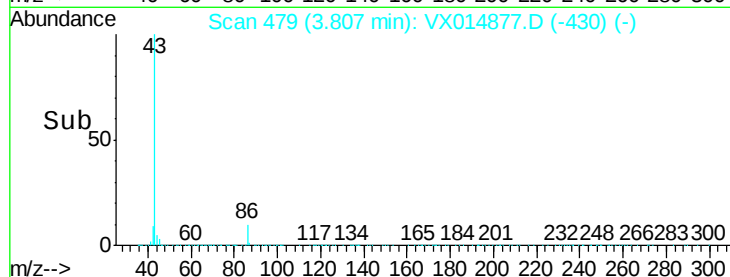
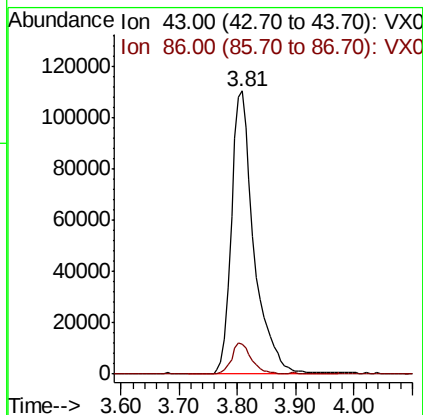
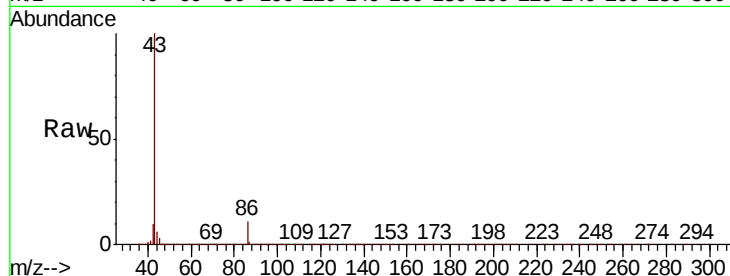
86 10.5 8.9 13.3

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2/11/2020 10:36:01 AM



#24

1,1-Dichloroethane

Concen: 5.095 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.01 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

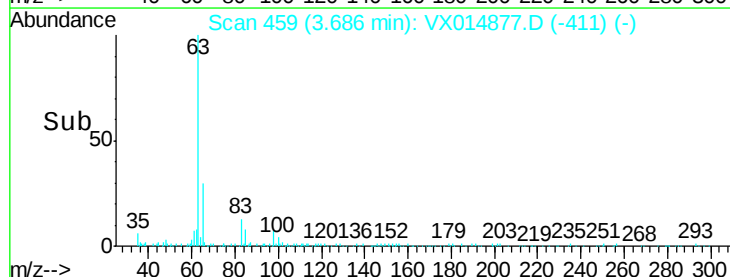
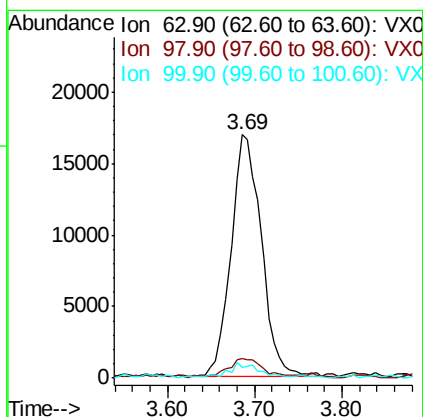
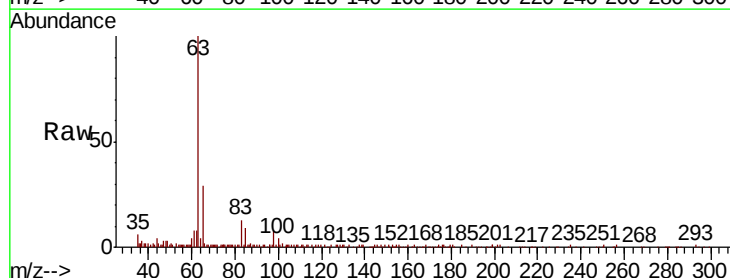
Tgt Ion: 63 Resp: 41011

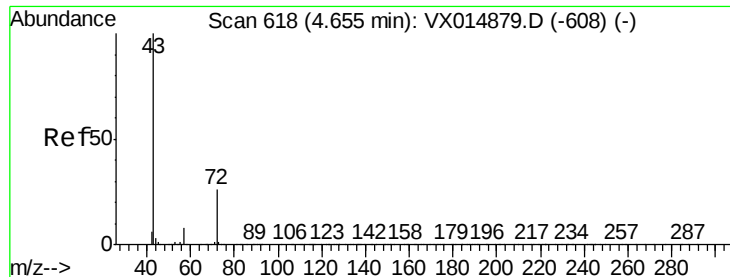
Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.5

100 3.9 2.2 6.6





#25

2-Butanone

Concen: 24.566 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Tot Ion: 43 Resp: 86366

Ion Ratio Lower Upper

43 100

72 25.5 21.0 31.6

Instrument :

MSVOA_X

ClientSampleId :

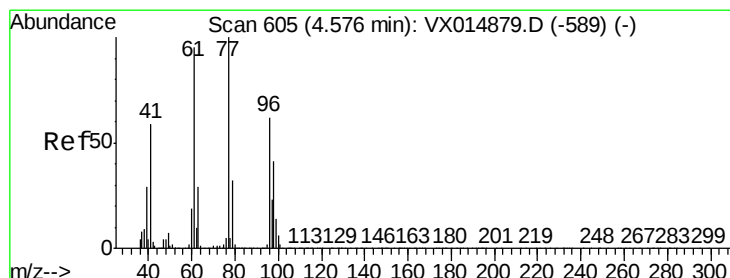
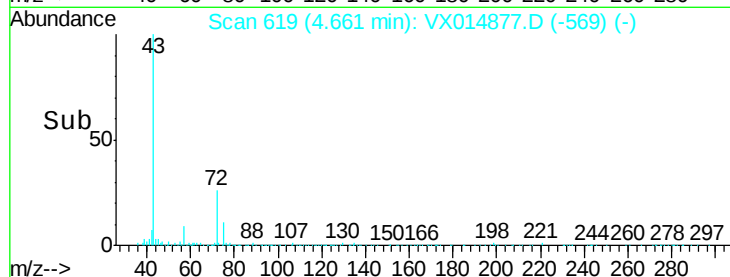
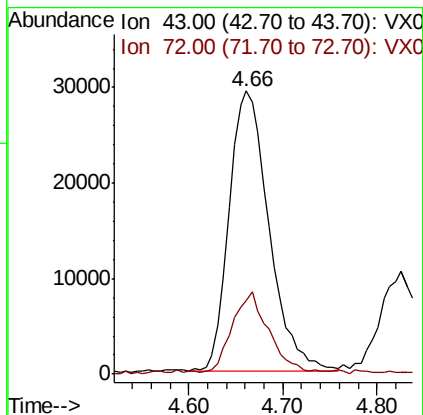
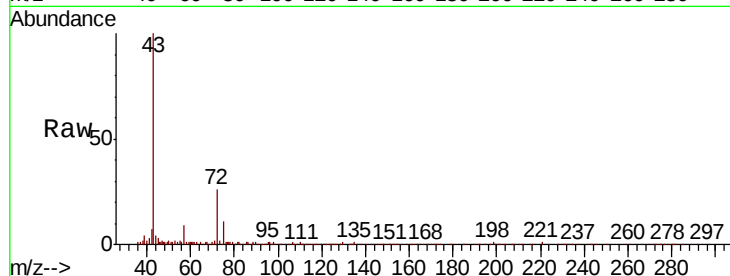
VSTDIC005

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2/11/2020 10:36:01 AM



#26

2,2-Dichloropropane

Concen: 5.051 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX014877.D

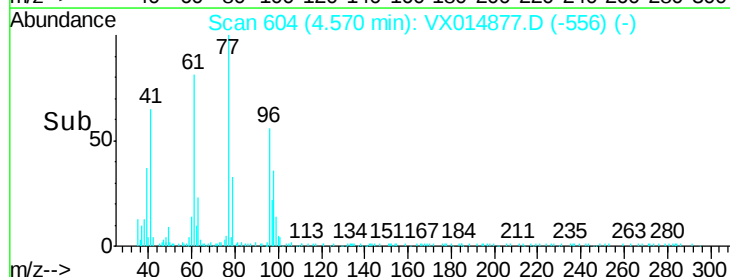
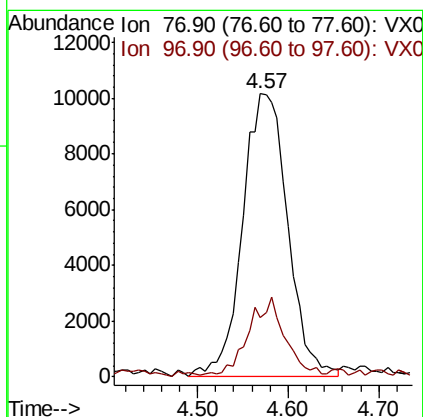
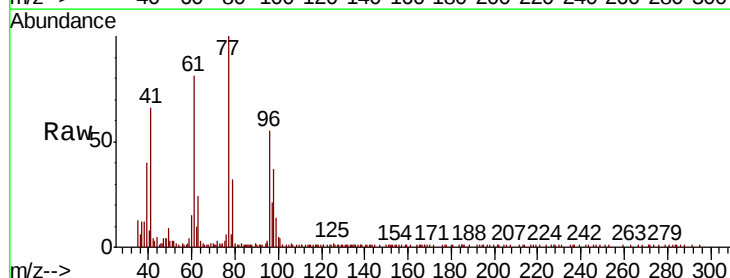
Acq: 10 Feb 2020 10:16

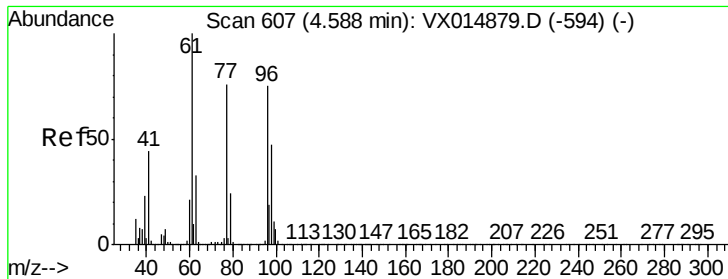
Tgt Ion: 77 Resp: 35029

Ion Ratio Lower Upper

77 100

97 22.5 11.9 35.5





#27

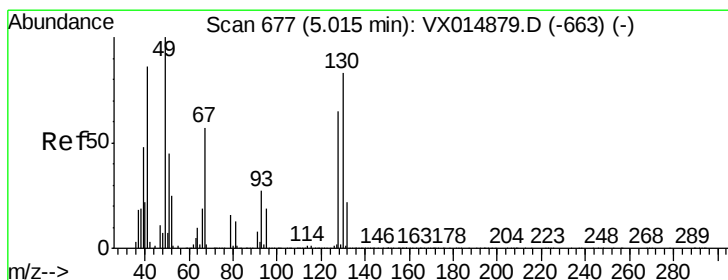
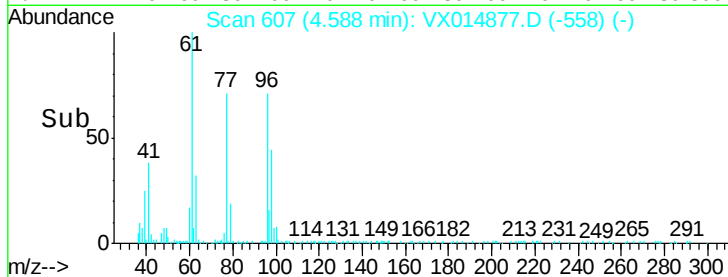
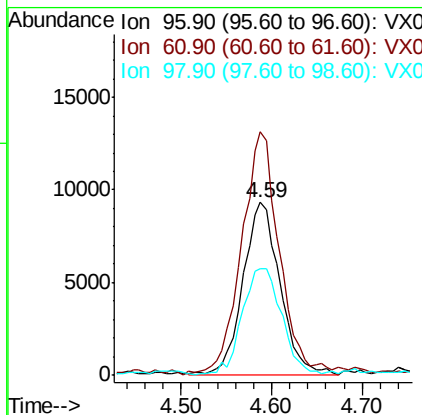
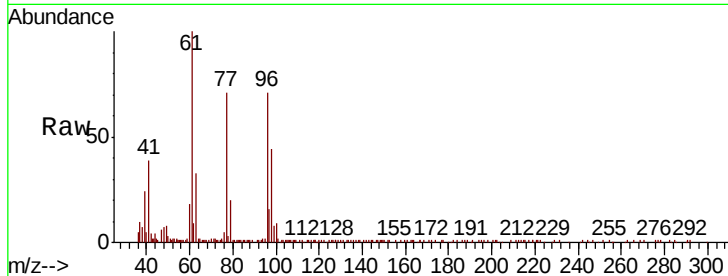
cis-1,2-Dichloroethene
Concen: 5.134 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
96	100	26523		
61	145.4	0.0	286.2	
98	66.1	0.0	131.0	

Manual Integrations
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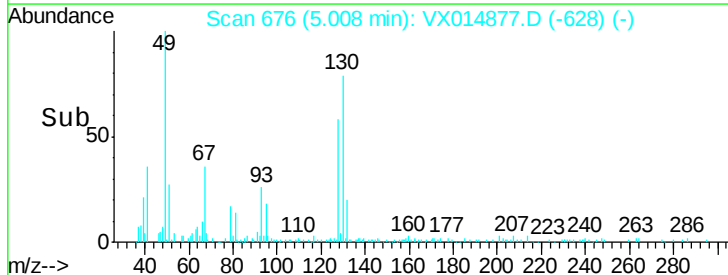
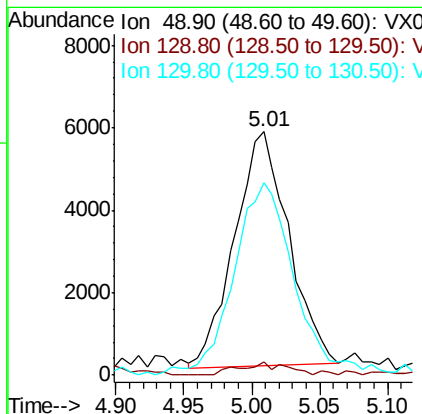
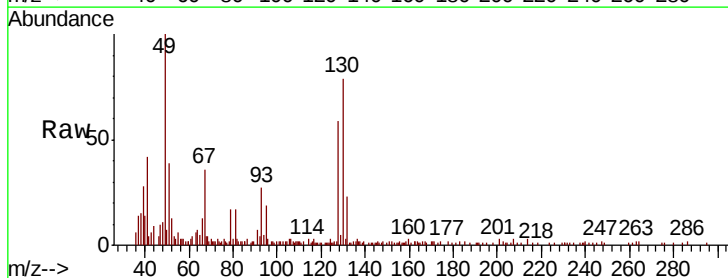
MMDadoda
2/11/2020 10:36:01 AM

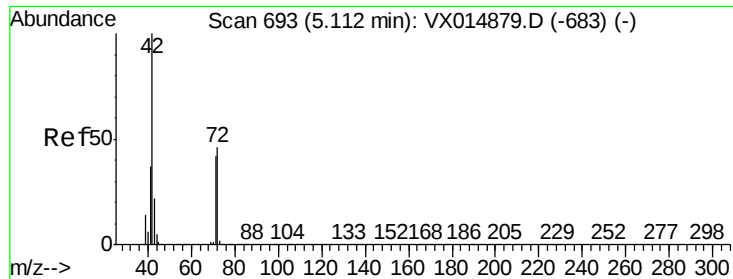


#28

Bromochloromethane
Concen: 5.874 ug/l
RT: 5.01 min Scan# 676
Delta R.T. -0.01 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	15855		
129	4.5	0.0	5.2	
130	92.0	67.4	101.2	





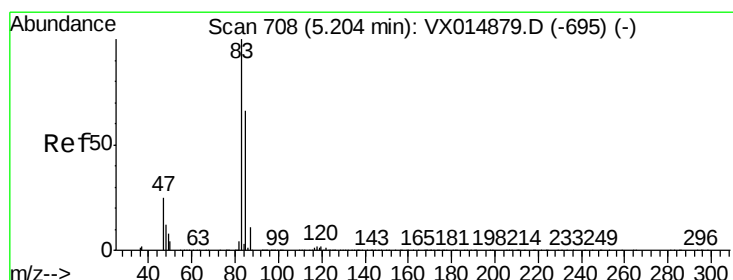
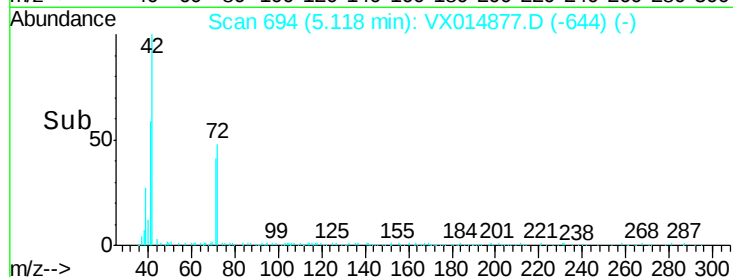
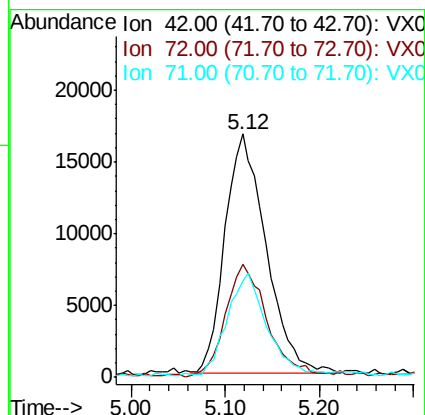
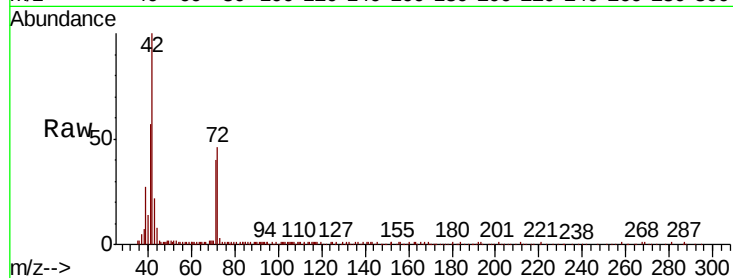
#29
Tetrahydrofuran
Concen: 25.665 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.7	36.9	55.3
71	41.9	34.1	51.1

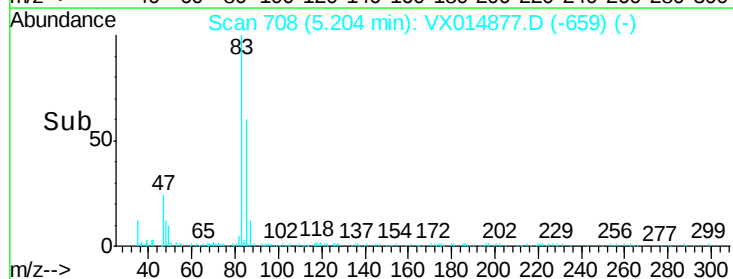
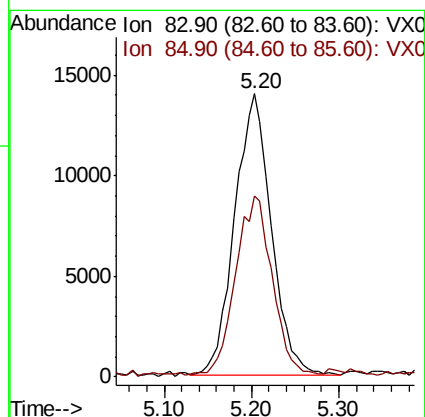
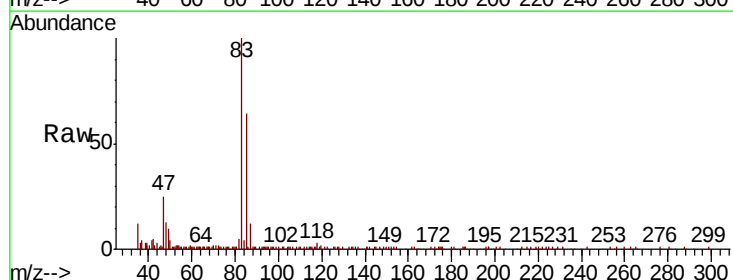
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APPROVED

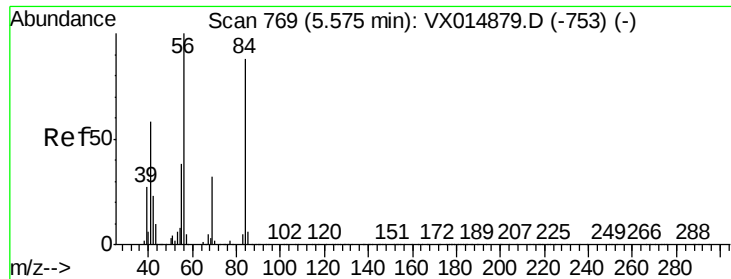
MMDadoda
2/11/2020 10:36:01 AM



#30
Chloroform
Concen: 5.047 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.00 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.9	79.3





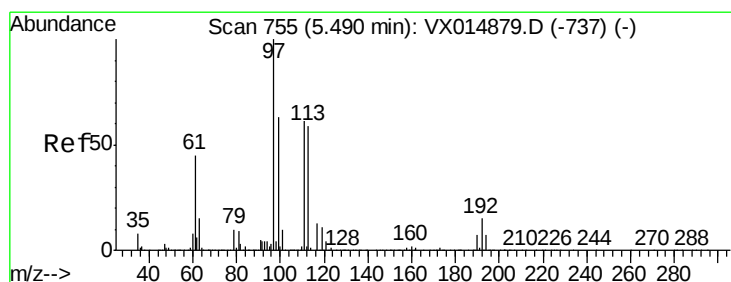
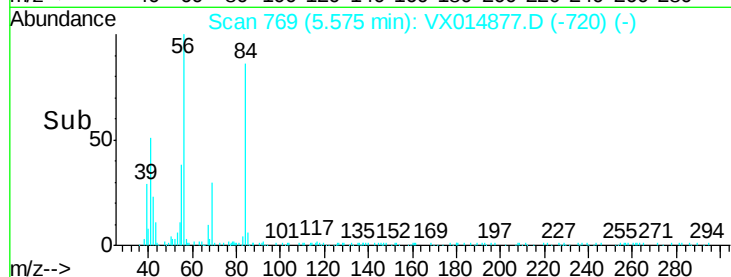
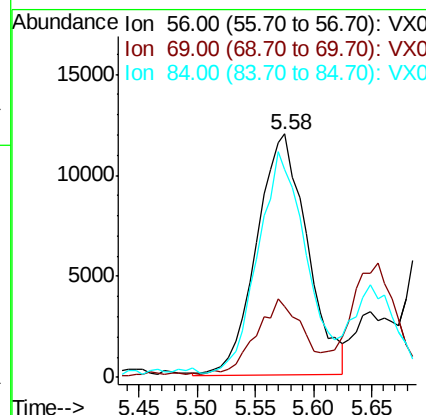
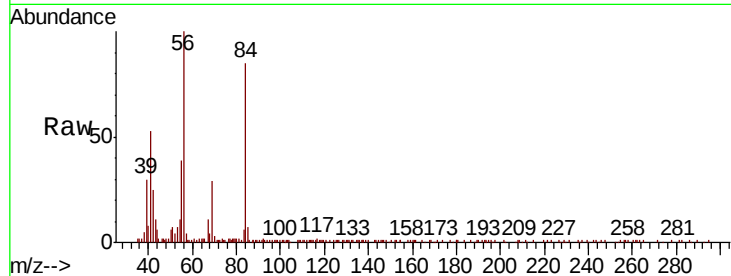
#31
Cyclohexane
Concen: 5.120 ug/l
RT: 5.58 min Scan# 769
Delta R.T. 0.00 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.7	25.9	38.9
84	82.5	70.4	105.6

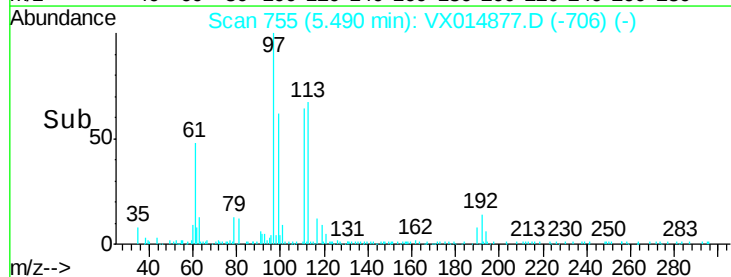
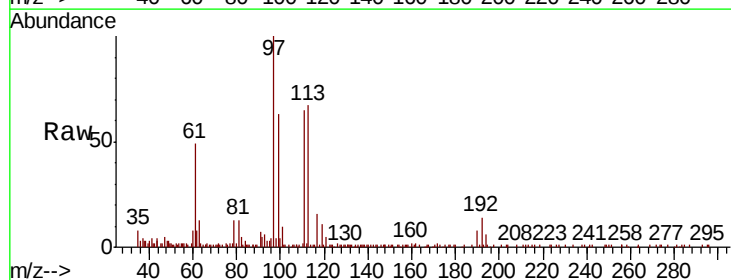
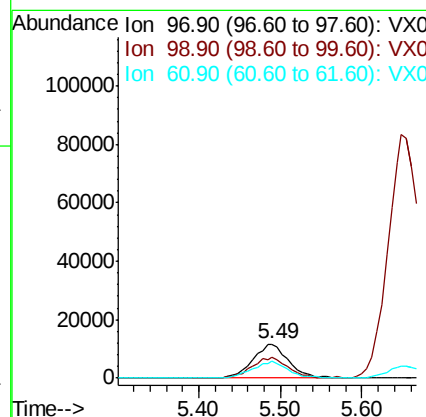
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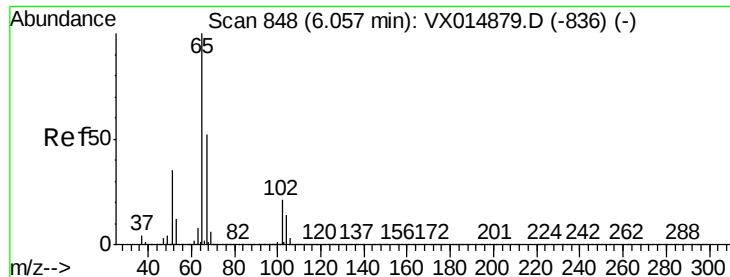
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#32
1,1,1-Trichloroethane
Concen: 5.012 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	50.6	36.3	54.5





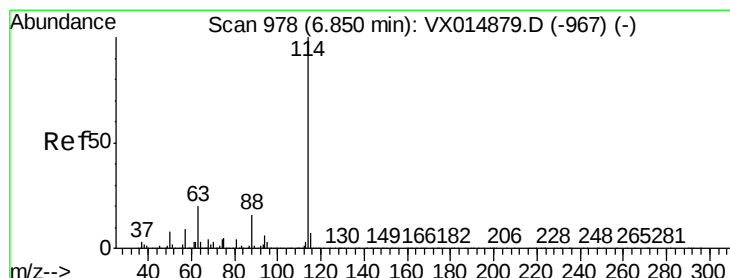
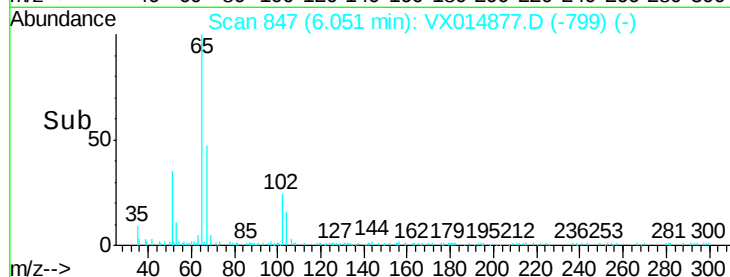
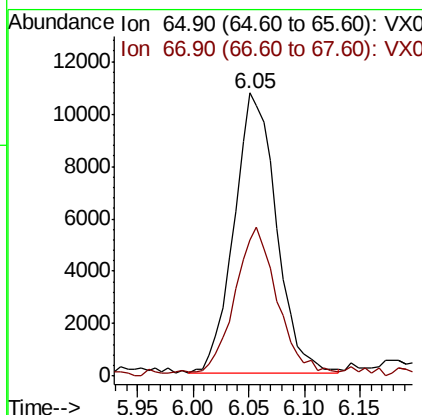
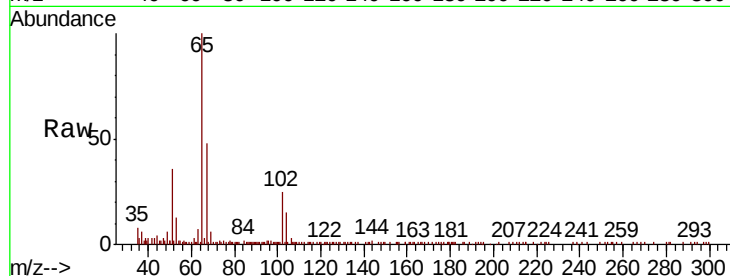
#33
 1,2-Dichloroethane-d4
 Concen: 4.757 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX014877.D
 Acq: 10 Feb 2020 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.0	0.0	103.0	

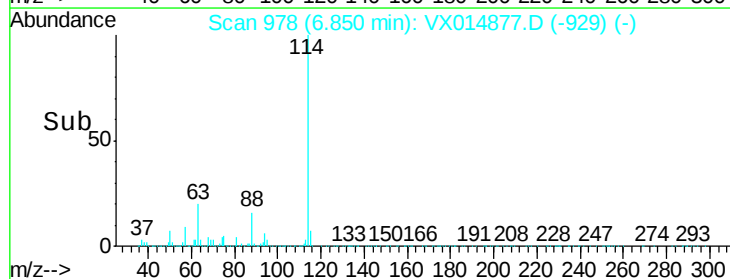
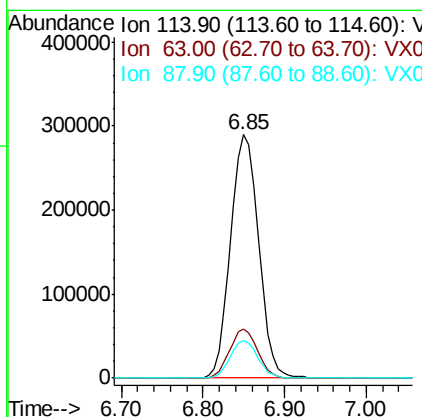
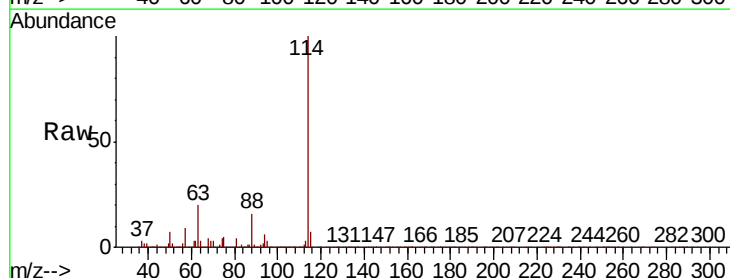
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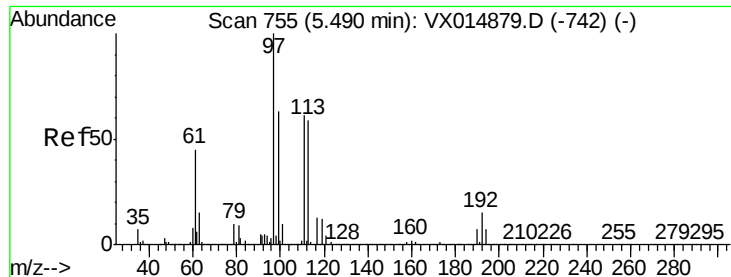
MMDadoda
 2/11/2020 10:36:01 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014877.D
 Acq: 10 Feb 2020 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.3	0.0	39.2	
88	15.5	0.0	32.0	





#35

Dibromofluoromethane

Concen: 4.458 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Instrument :

MSVOA_X

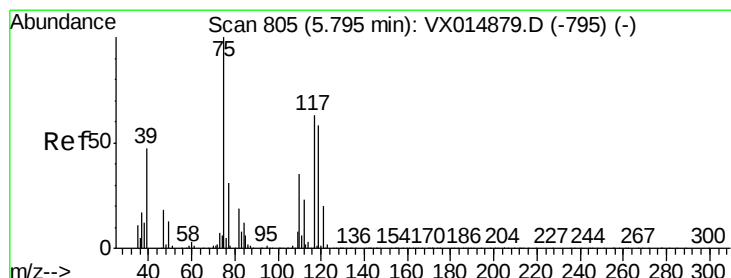
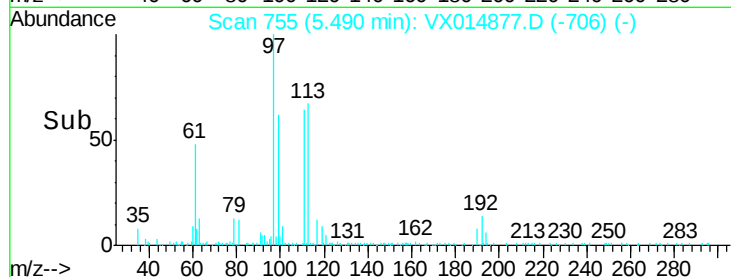
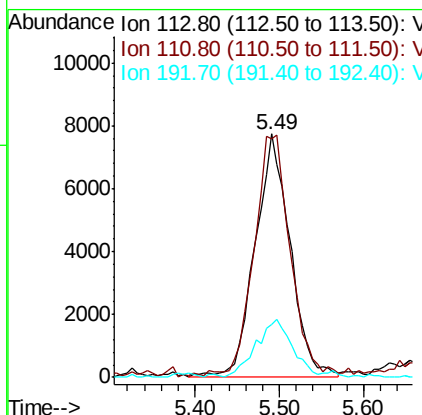
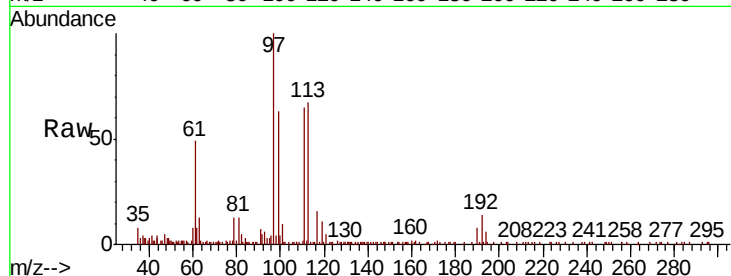
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	22091
Ion Ratio	Lower	Upper	
113	100		
111	98.1	82.4	123.6
192	24.7	19.1	28.7

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#36

1,1-Dichloropropene

Concen: 5.051 ug/l

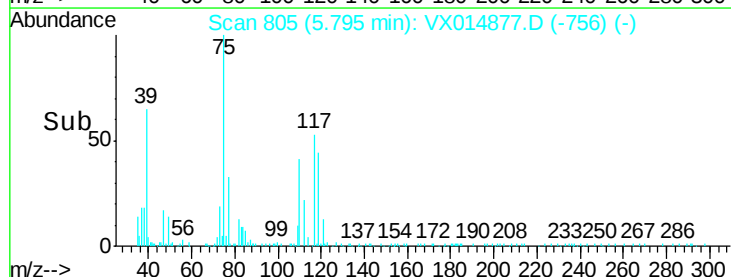
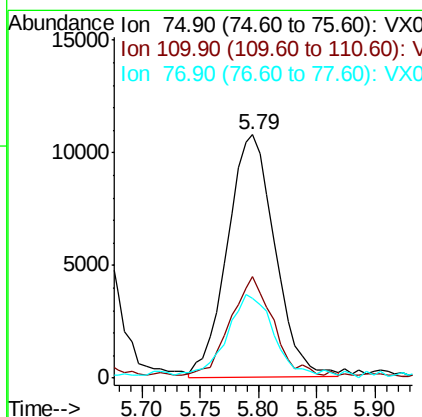
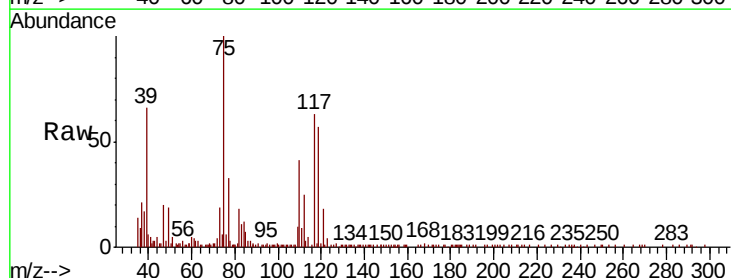
RT: 5.79 min Scan# 805

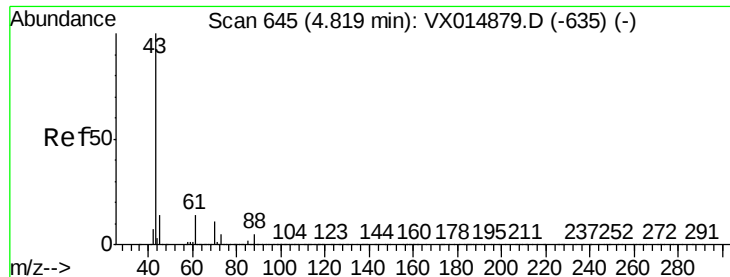
Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Tgt Ion:	75	Resp:	30517
Ion Ratio	Lower	Upper	
75	100		
110	36.6	18.3	54.8
77	32.1	24.6	36.8





#37

Ethyl Acetate

Concen: 5.060 ug/l

RT: 4.83 min Scan# 646

Delta R.T. 0.01 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Instrument :

MSVOA_X

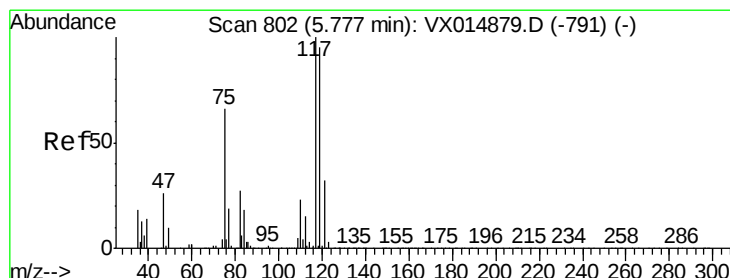
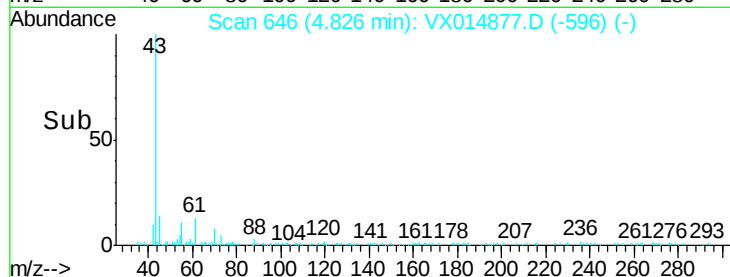
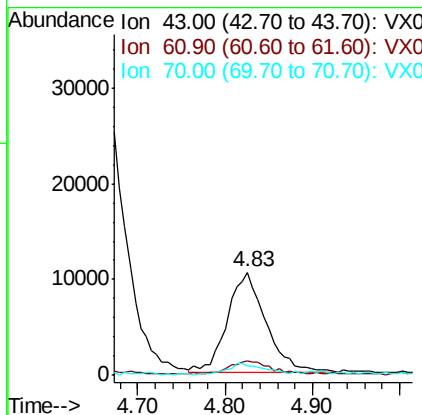
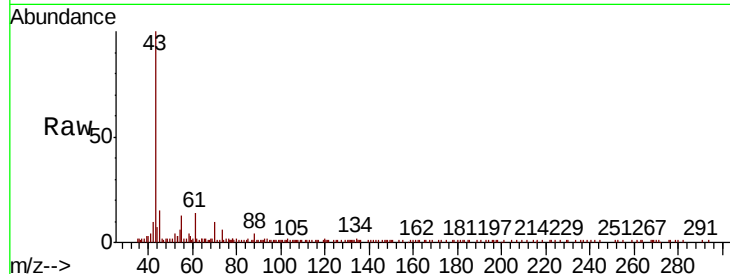
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	31933
Ion Ratio	Lower	Upper	
43	100		
61	12.0	10.9	16.3
70	13.2	8.7	13.1#

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 5.035 ug/l

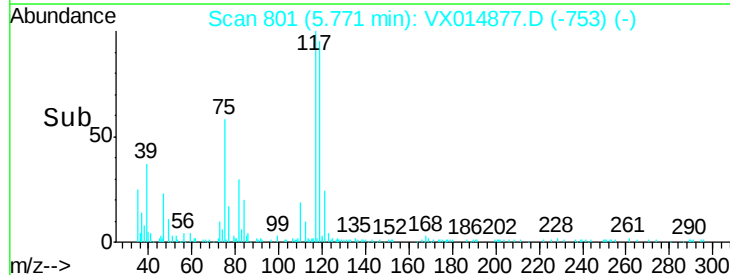
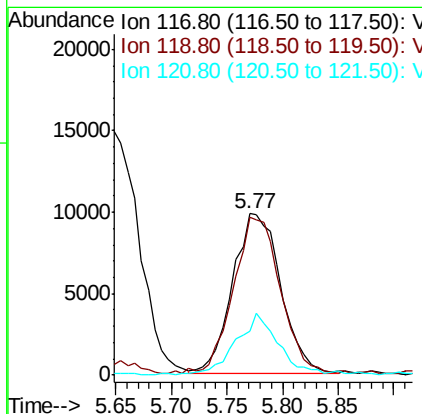
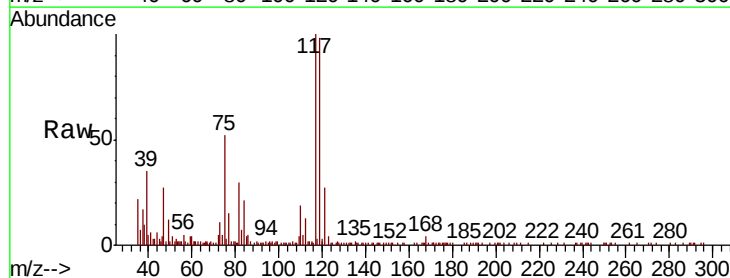
RT: 5.77 min Scan# 801

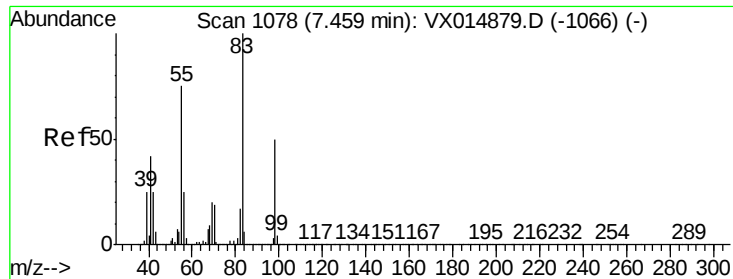
Delta R.T. -0.01 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Tgt Ion:	117	Resp:	29419
Ion Ratio	Lower	Upper	
117	100		
119	96.9	76.0	114.0
121	26.5	25.4	38.2





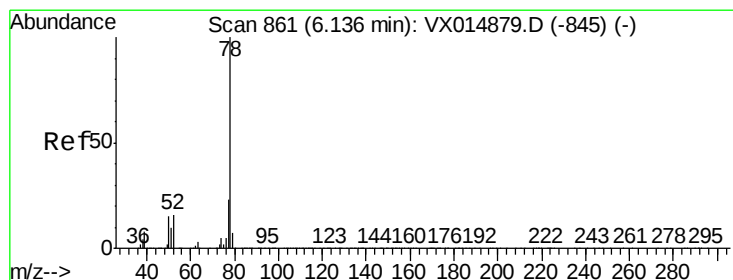
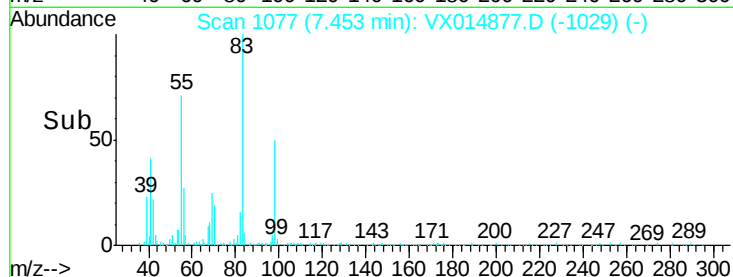
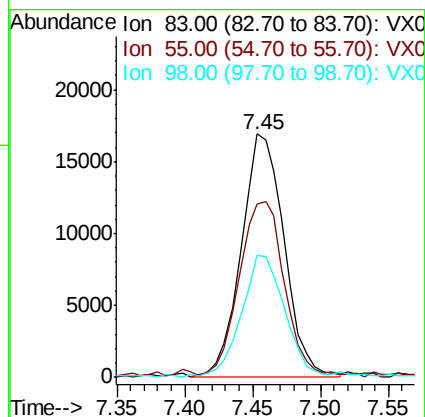
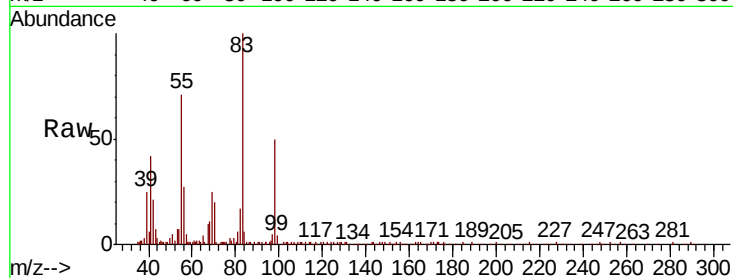
#39
Methylcyclohexane
Concen: 4.898 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.0	60.0	90.0
98	49.1	39.6	59.4

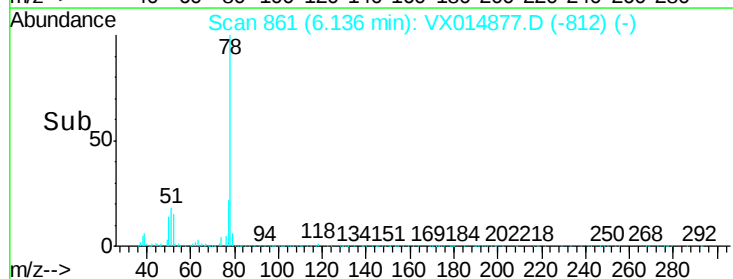
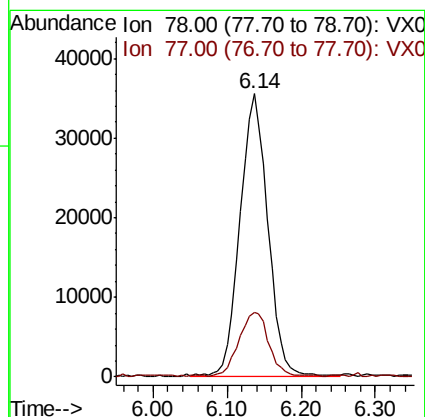
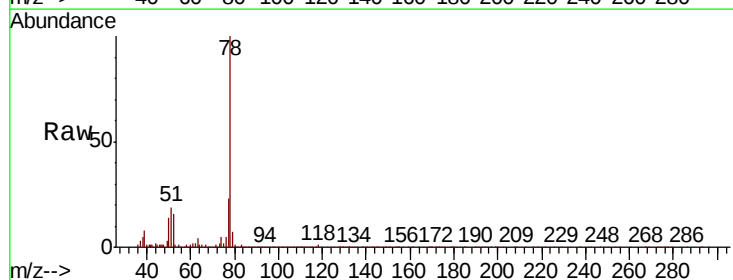
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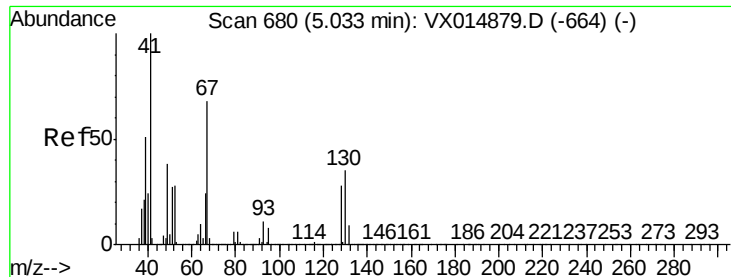
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#40
Benzene
Concen: 5.109 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.0	18.8	28.2





#41

Methacrylonitrile

Concen: 5.077 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Instrument :

MSVOA_X

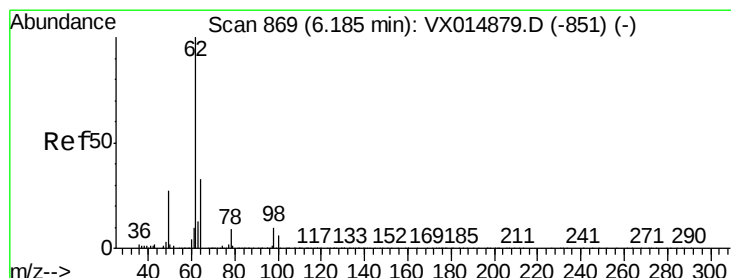
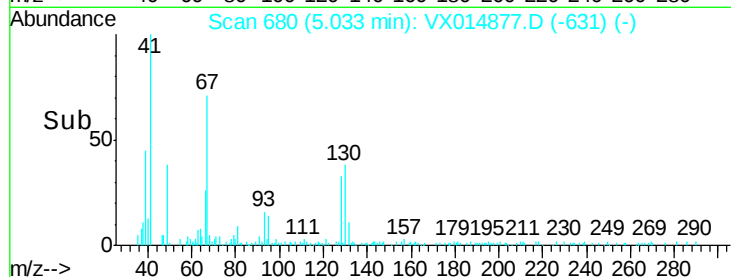
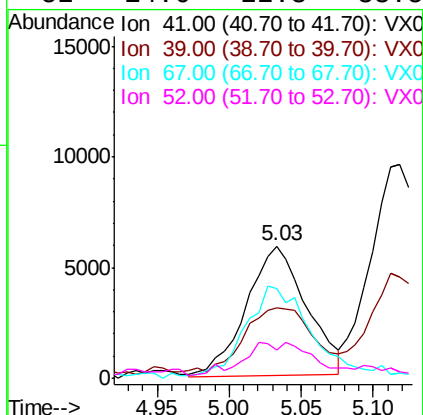
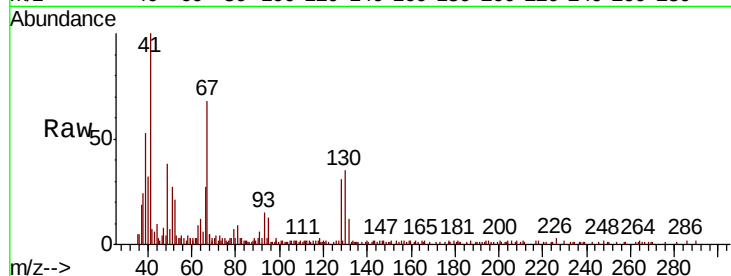
ClientSampleId :

VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
16904	41	100		
	39	61.6	44.7	67.1
	67	81.9	56.6	84.8
	52	14.6	22.3	33.5

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 5.216 ug/l

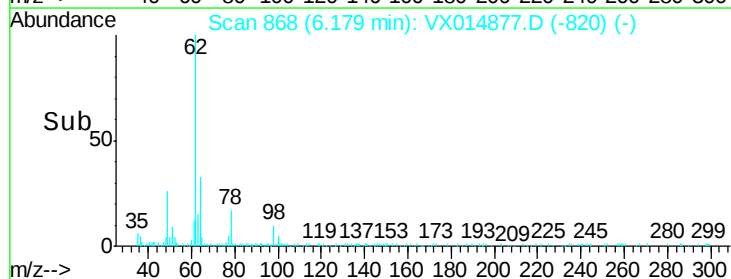
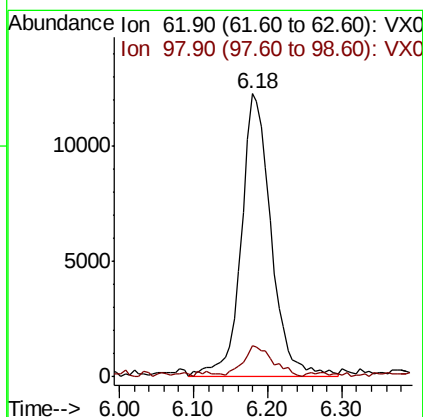
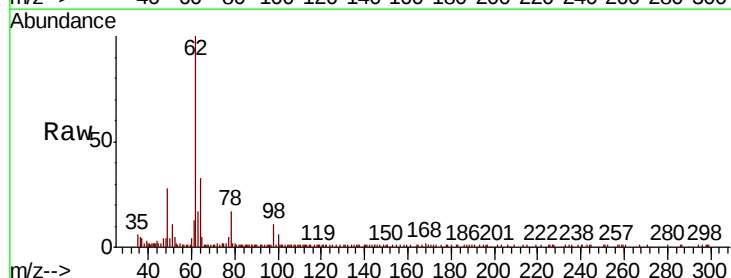
RT: 6.18 min Scan# 868

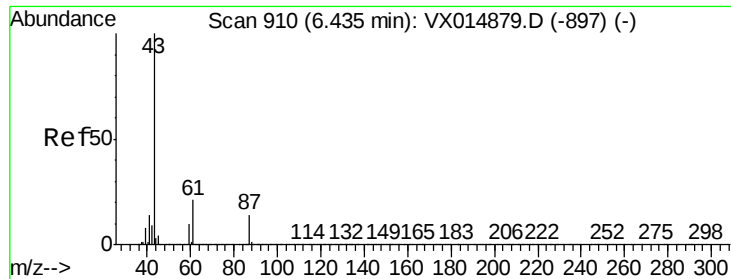
Delta R.T. -0.01 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Tgt Ion	Ion	Ratio	Lower	Upper
34775	62	100		
	98	10.9	0.0	19.2





#43

Isopropyl Acetate

Concen: 5.108 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Instrument :

MSVOA_X

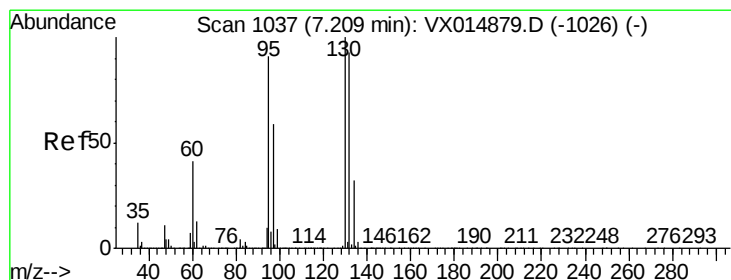
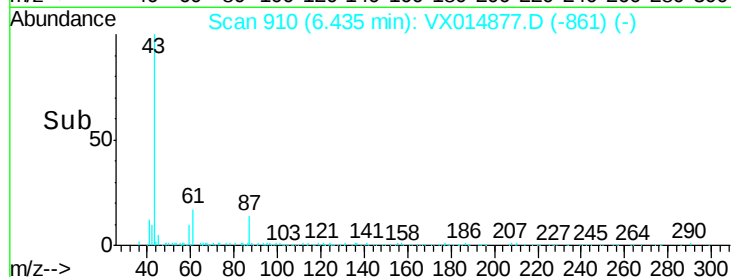
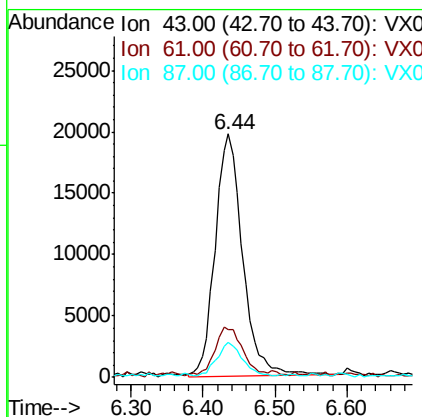
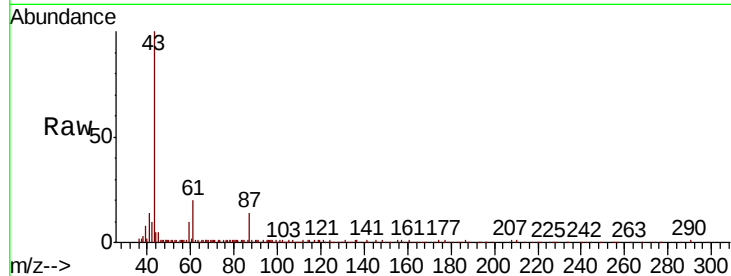
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	52487
Ion	Ratio	Lower	Upper
43	100		
61	19.7	16.2	24.4
87	12.4	11.0	16.6

Manual Integrations
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#44

Trichloroethene

Concen: 4.935 ug/l

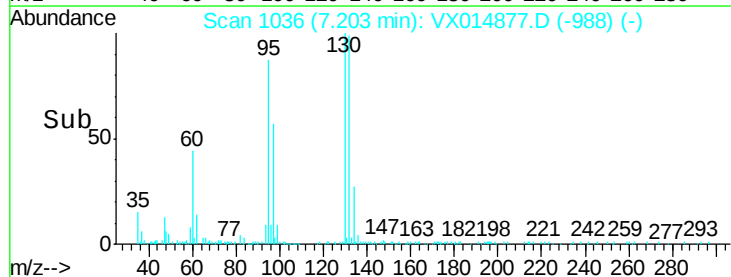
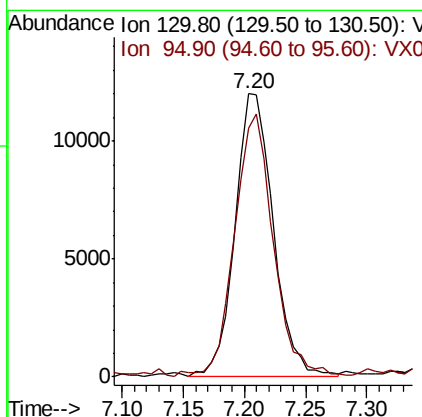
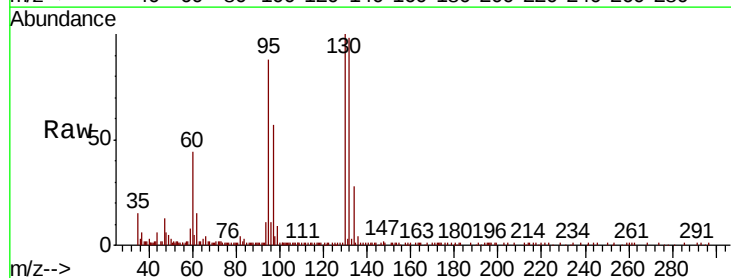
RT: 7.20 min Scan# 1036

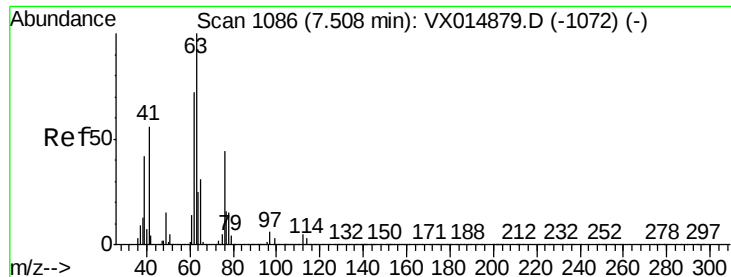
Delta R.T. -0.01 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Tgt Ion:	130	Resp:	26149
Ion	Ratio	Lower	Upper
130	100		
95	87.4	0.0	182.6





#45

1,2-Dichloropropane

Concen: 5.311 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 24675

Ion Ratio Lower Upper

63 100

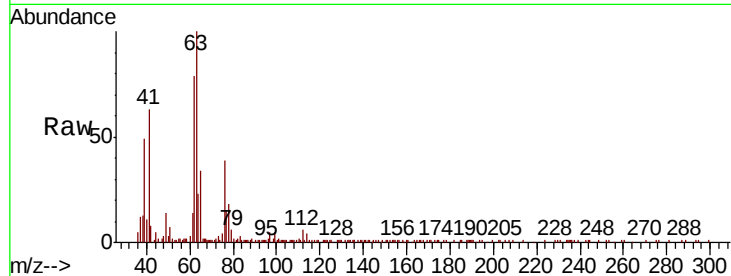
65 30.9 24.9 37.3

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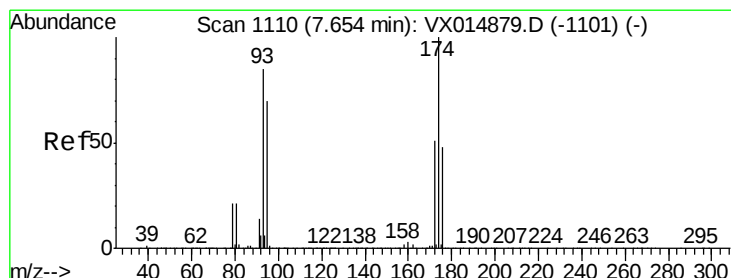
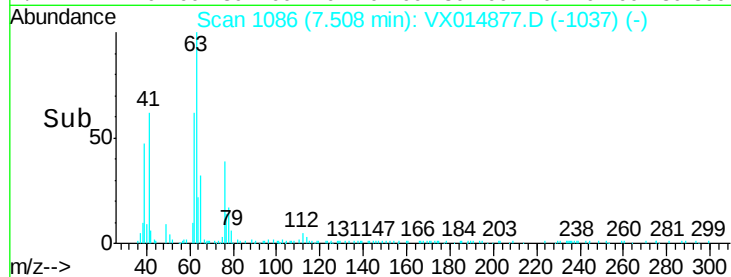
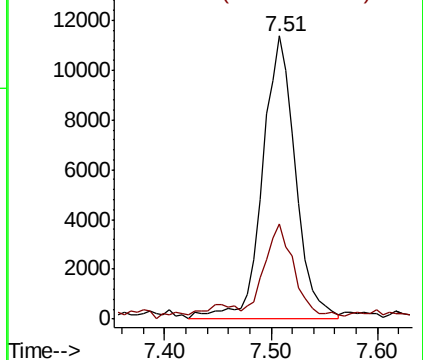
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 4.908 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

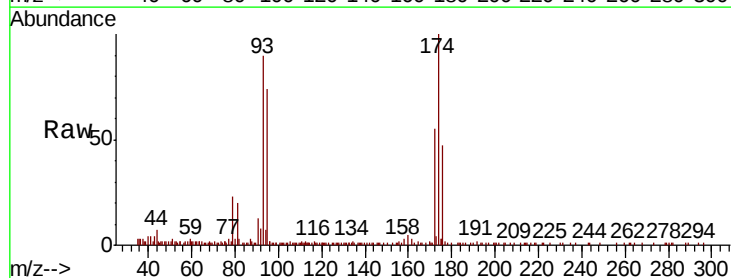
Tgt Ion: 93 Resp: 15644

Ion Ratio Lower Upper

93 100

95 82.4 65.8 98.8

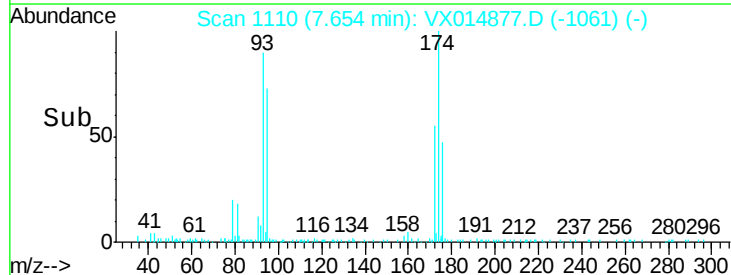
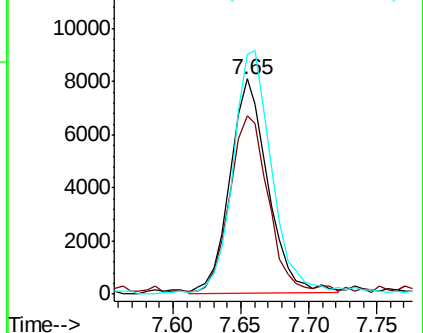
174 118.0 95.4 143.2

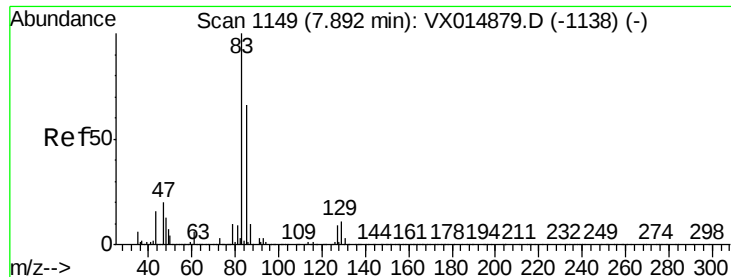


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 4.777 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Instrument :

MSVOA_X

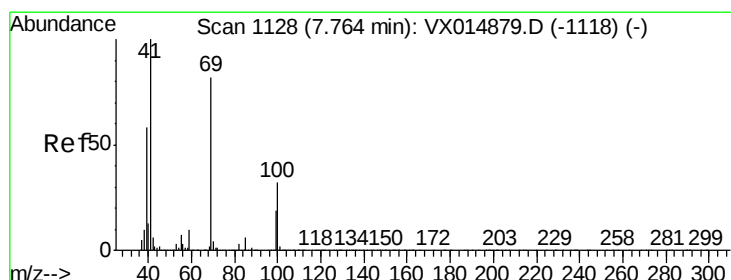
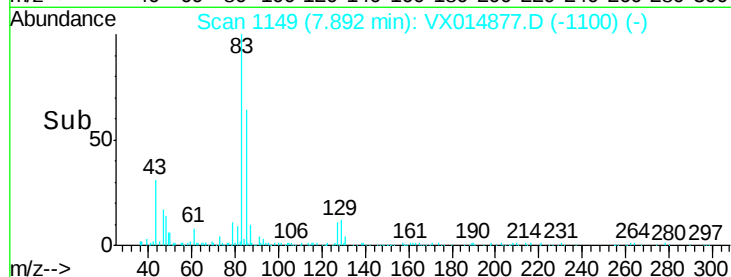
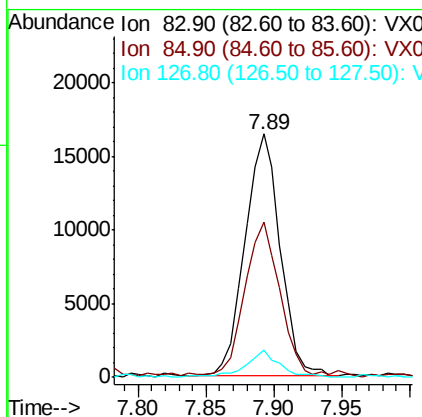
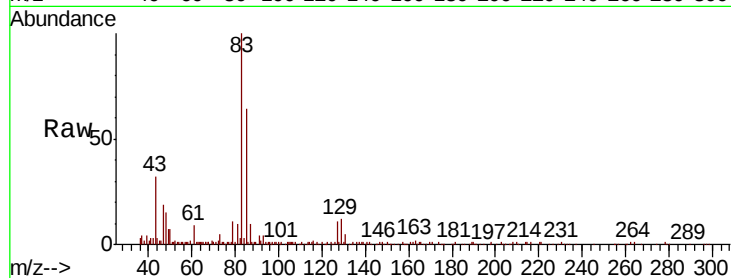
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	29688
Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.5	78.7
127	11.0	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 5.267 ug/l

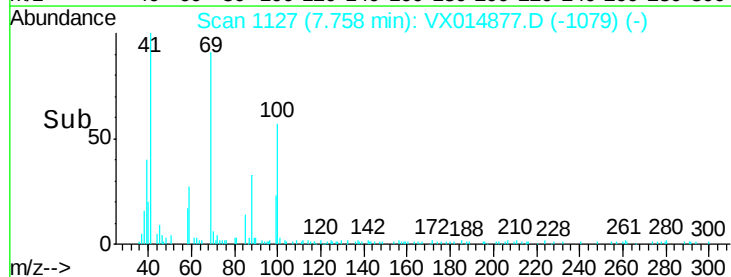
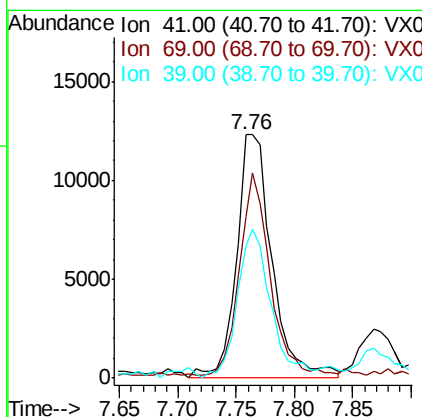
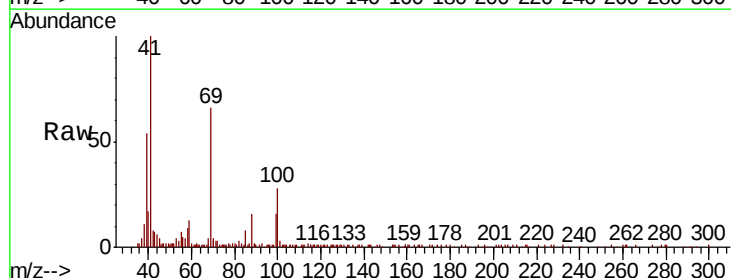
RT: 7.76 min Scan# 1127

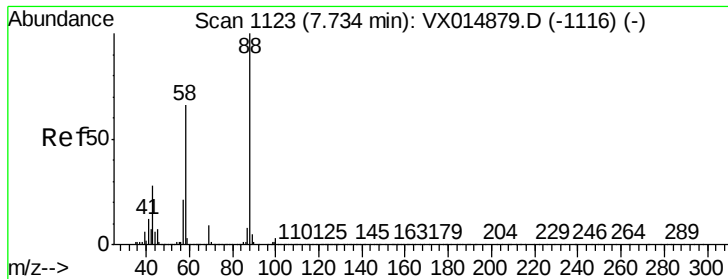
Delta R.T. -0.01 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Tgt Ion:	41	Resp:	26224
Ion	Ratio	Lower	Upper
41	100		
69	70.8	65.7	98.5
39	58.1	45.8	68.8





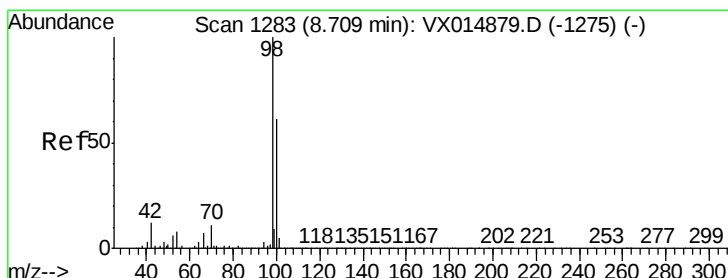
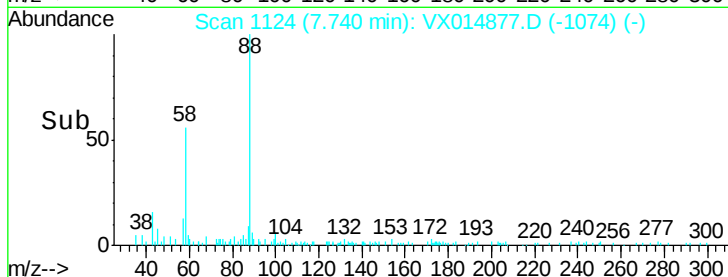
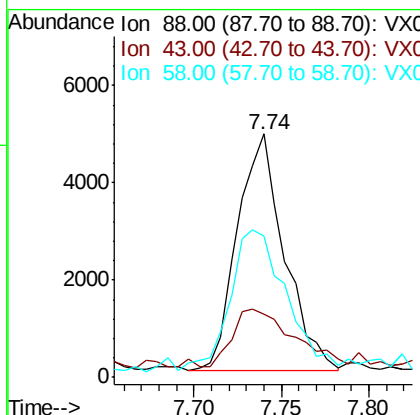
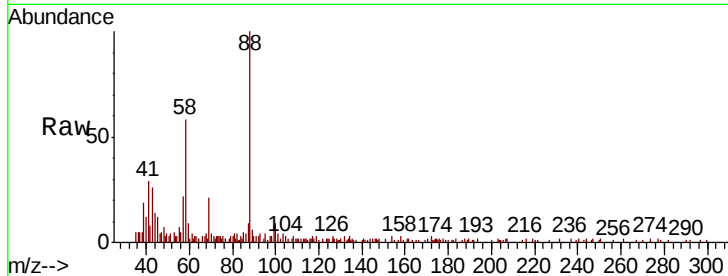
#49
1,4-Dioxane
Concen: 94.161 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.7	27.0	40.4
58	71.3	53.2	79.8

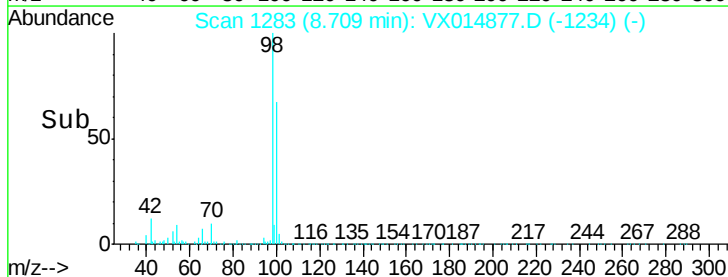
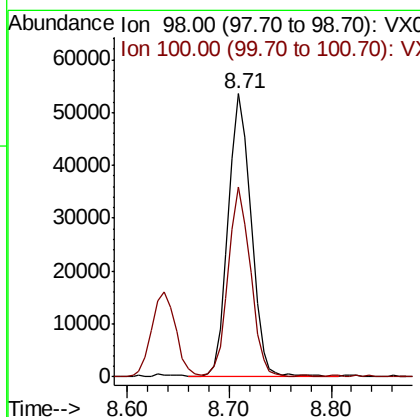
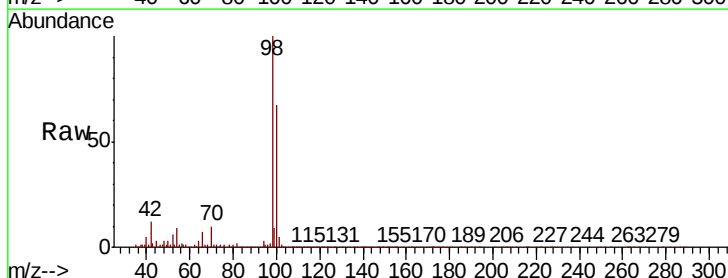
Manual Integrations
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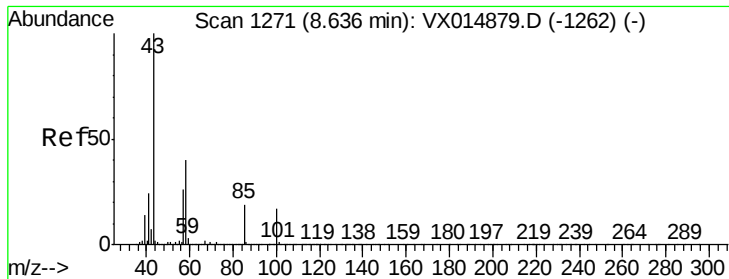
MMDadoda
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#50
Toluene-d8
Concen: 4.941 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.4	78.6





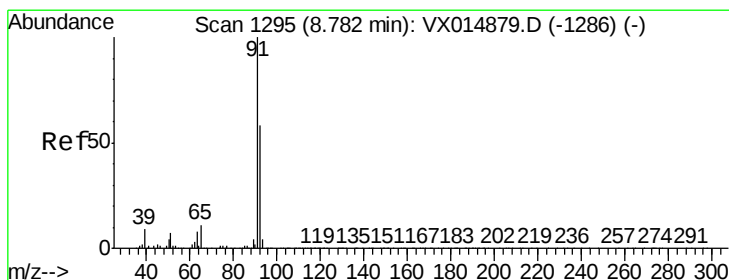
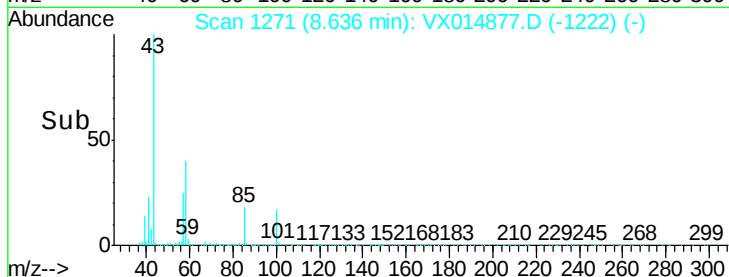
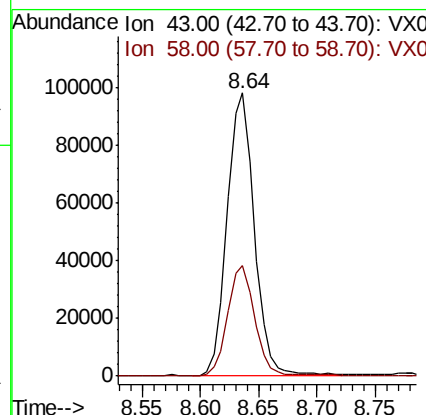
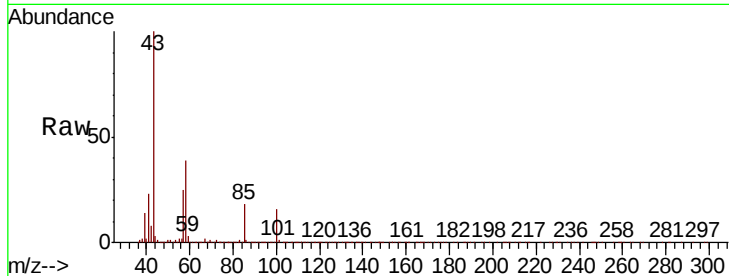
#51
4-Methyl-2-Pentanone
Concen: 25.532 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.4	31.9	47.9

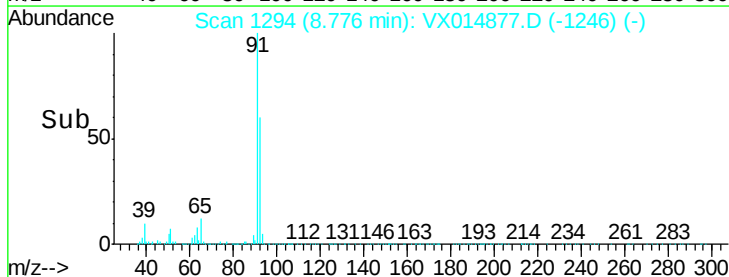
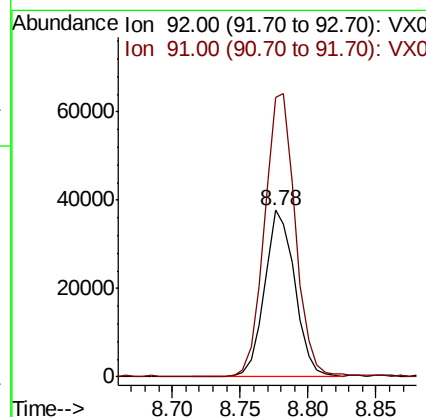
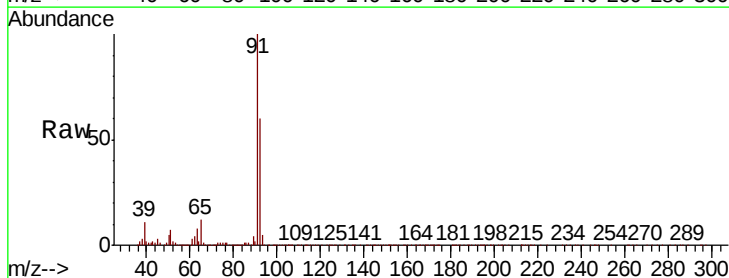
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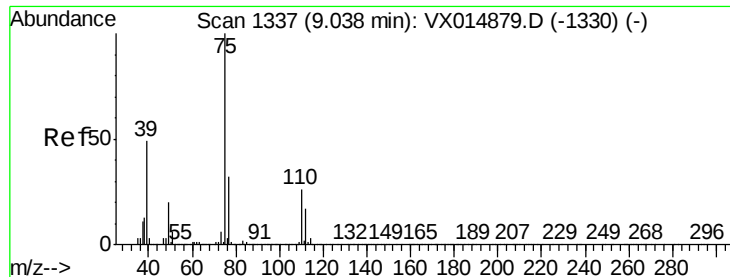
MMDadoda
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#52
Toluene
Concen: 5.150 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.01 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.7	137.0	205.4





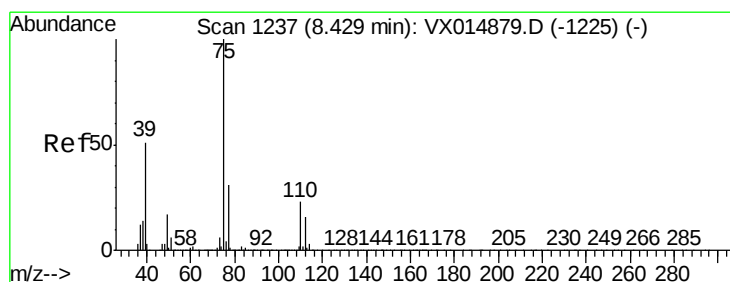
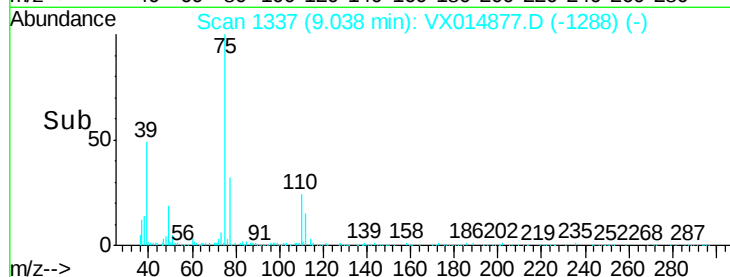
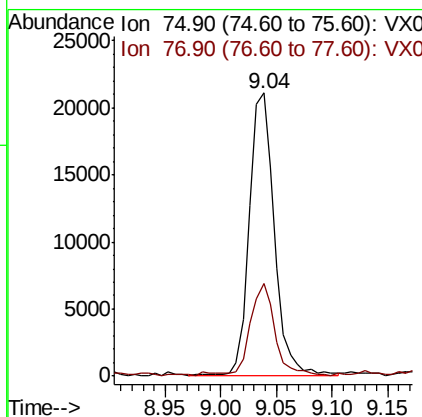
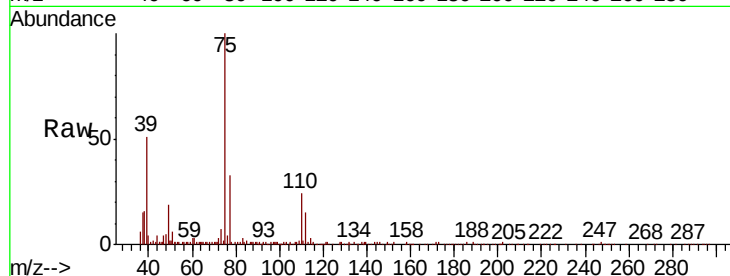
#53
t-1,3-Dichloropropene
Concen: 5.024 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 33335
Ion Ratio Lower Upper
75 100
77 32.2 25.5 38.3

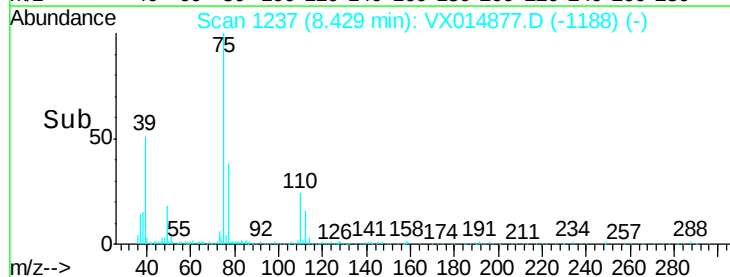
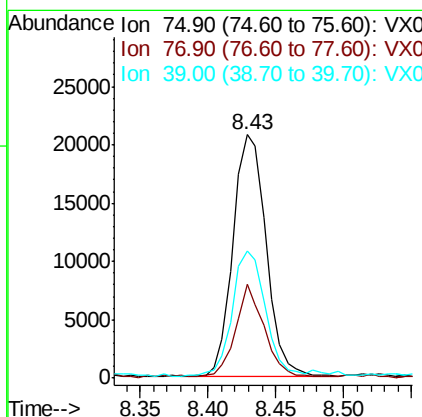
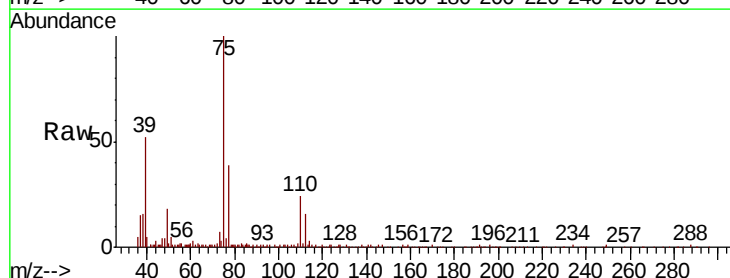
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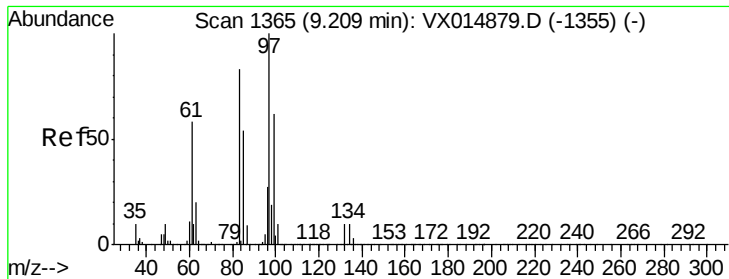
MMDadoda
2/11/2020 10:36:01 AM



#54
cis-1,3-Dichloropropene
Concen: 4.753 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Tgt Ion: 75 Resp: 35421
Ion Ratio Lower Upper
75 100
77 38.2 24.6 37.0#
39 51.5 40.9 61.3





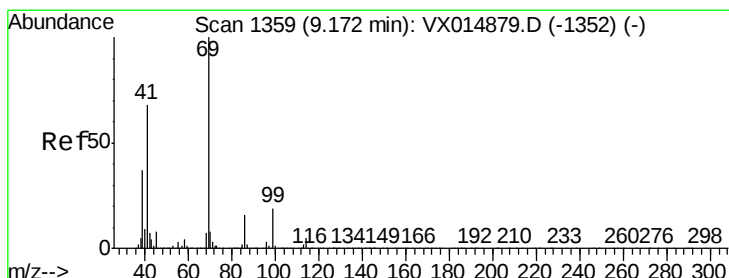
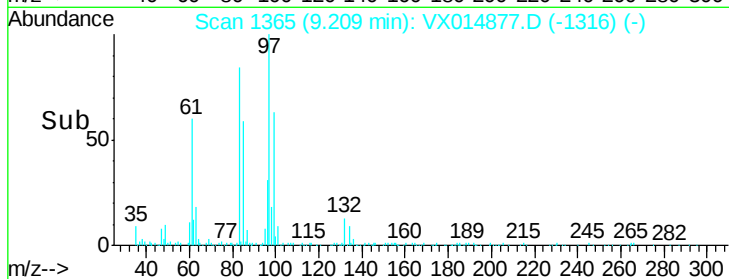
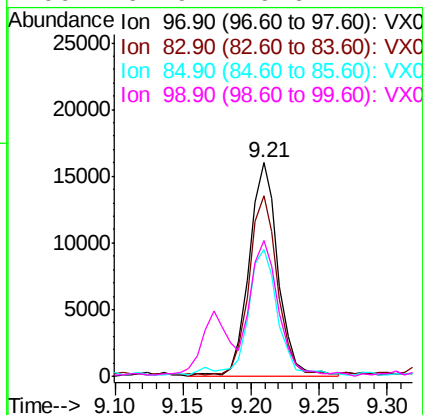
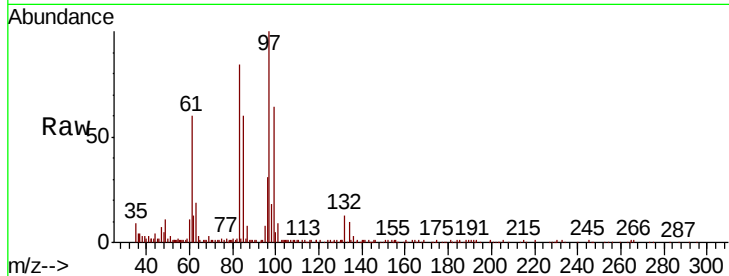
#55
 1,1,2-Trichloroethane
 Concen: 5.164 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014877.D
 Acq: 10 Feb 2020 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		24119		
83	83.4	66.6	99.8		
85	58.9	43.5	65.3		
99	61.9	49.6	74.4		

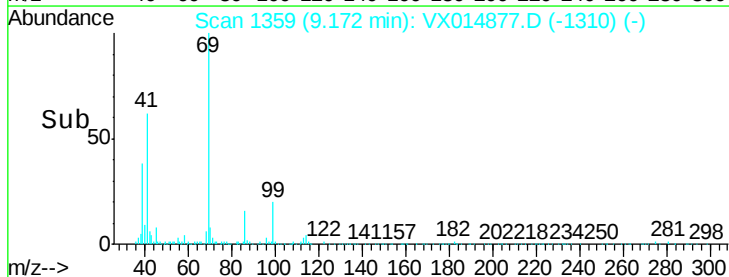
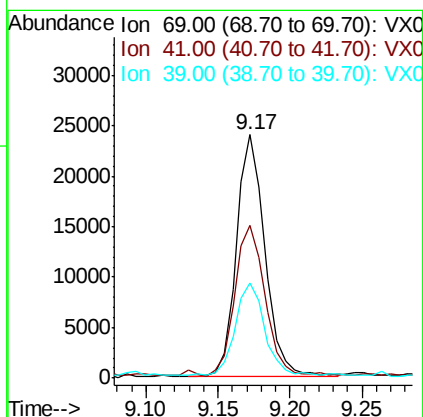
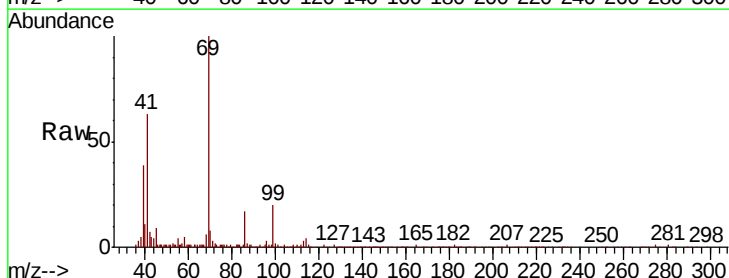
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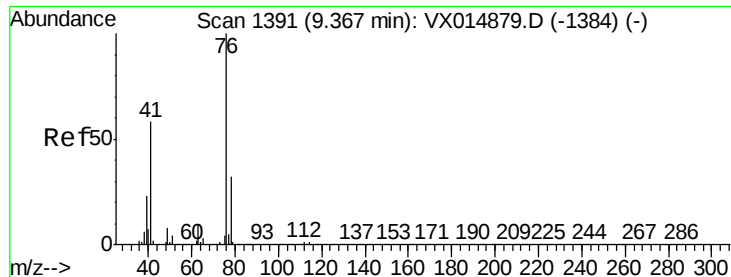
MMDadoda
 2/11/2020 10:36:01 AM



#56
 Ethyl methacrylate
 Concen: 4.949 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014877.D
 Acq: 10 Feb 2020 10:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		33230		
41	65.6	54.8	82.2		
39	39.3	29.9	44.9		





#57

1,3-Dichloropropane

Concen: 5.041 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 39729

Ion Ratio Lower Upper

76 100

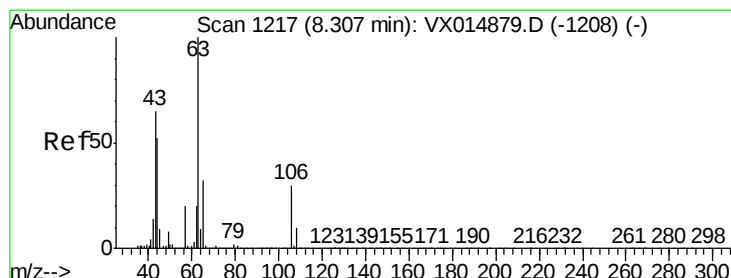
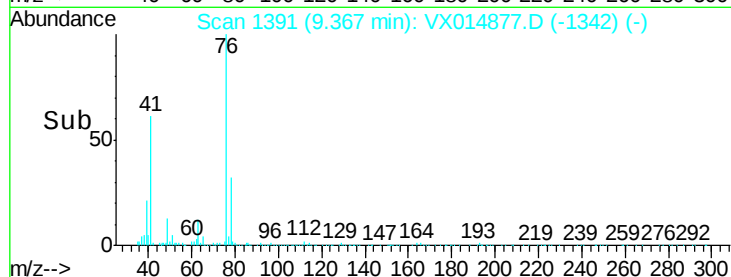
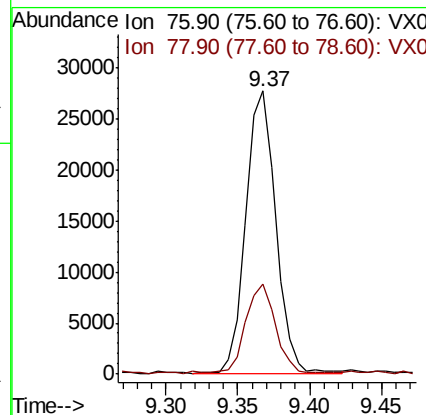
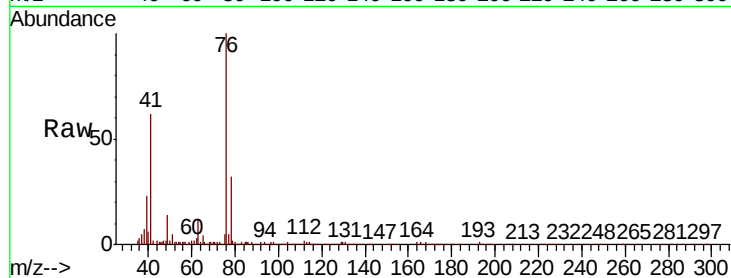
78 31.6 25.8 38.8

Manual Integrations

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2/11/2020 10:36:01 AM



#58

2-Chloroethyl Vinyl ether

Concen: 25.005 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX014877.D

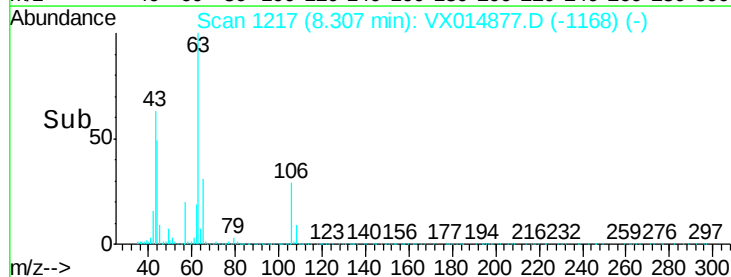
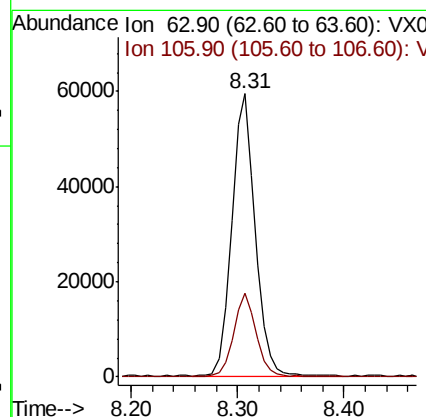
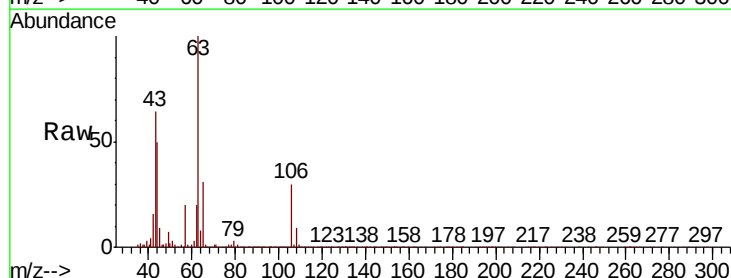
Acq: 10 Feb 2020 10:16

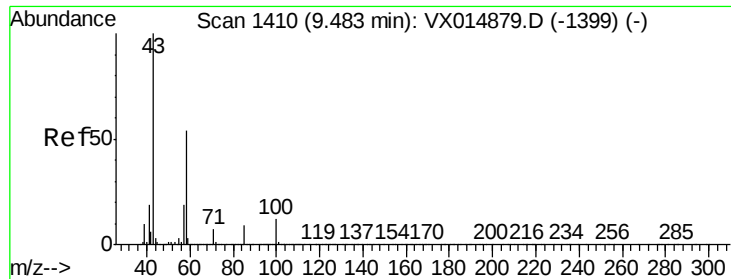
Tgt Ion: 63 Resp: 90906

Ion Ratio Lower Upper

63 100

106 29.0 23.8 35.8





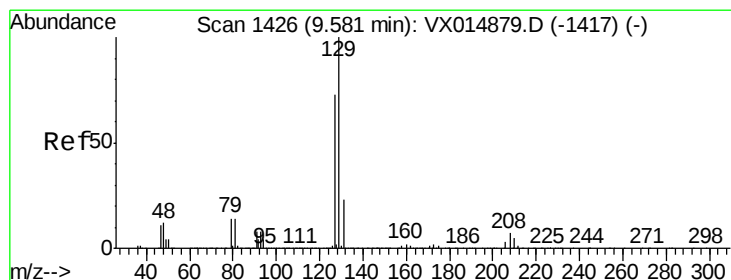
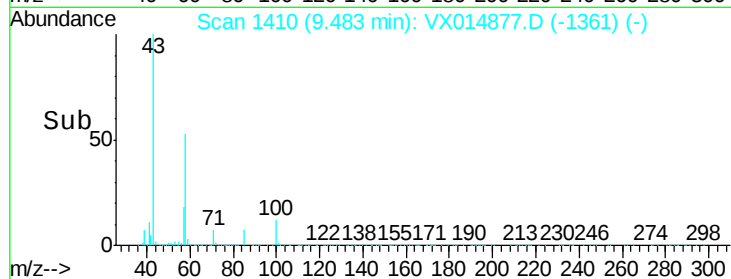
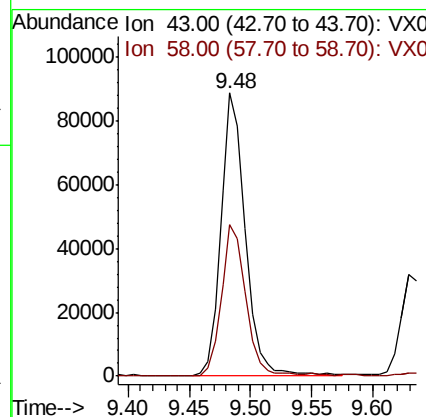
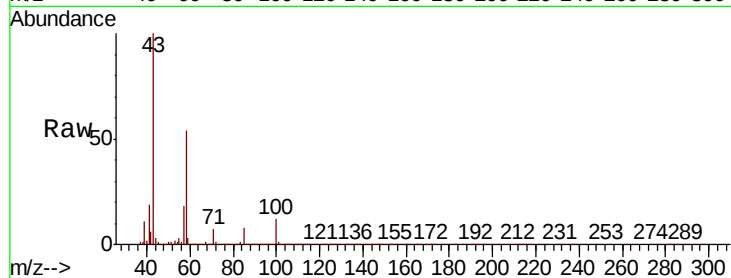
#59
2-Hexanone
Concen: 25.567 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 124076
Ion Ratio Lower Upper
43 100
58 53.0 27.5 82.5

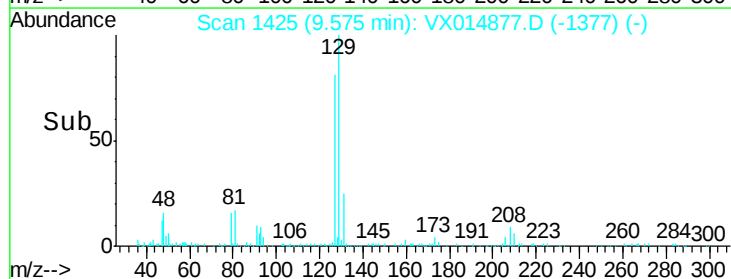
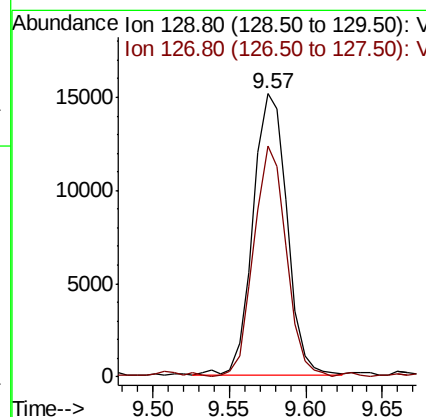
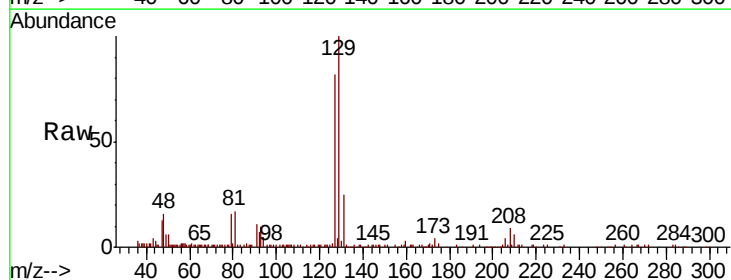
Manual Integrations
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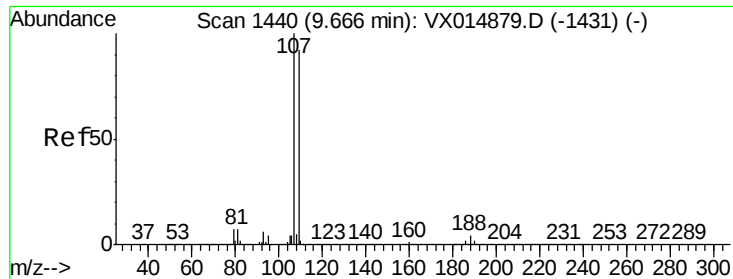
MMDadoda
2/11/2020 10:36:01 AM



#60
Dibromochloromethane
Concen: 4.819 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Tgt Ion: 129 Resp: 23347
Ion Ratio Lower Upper
129 100
127 78.9 37.8 113.3





#61

1,2-Dibromoethane

Concen: 5.039 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 25465

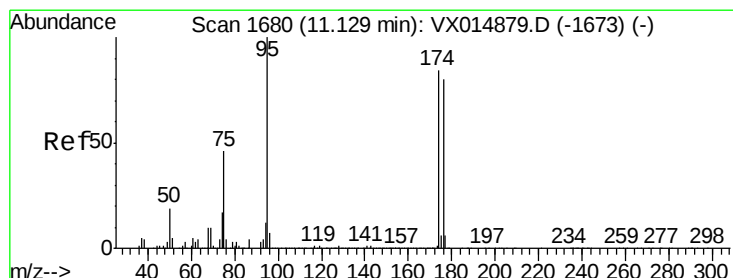
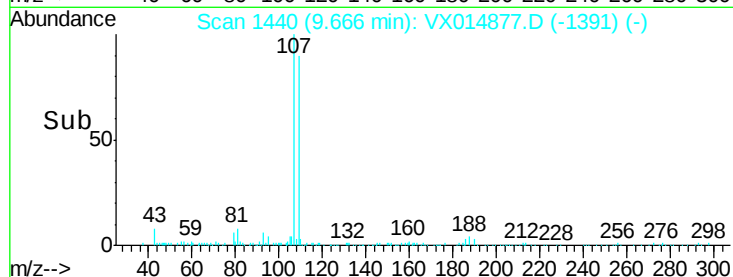
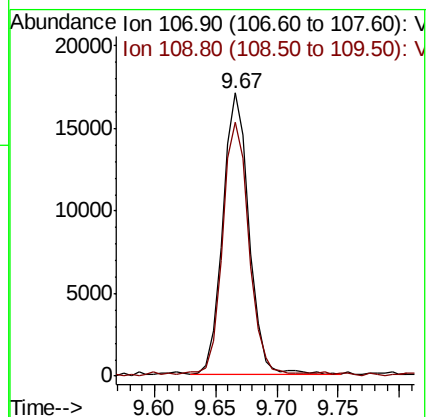
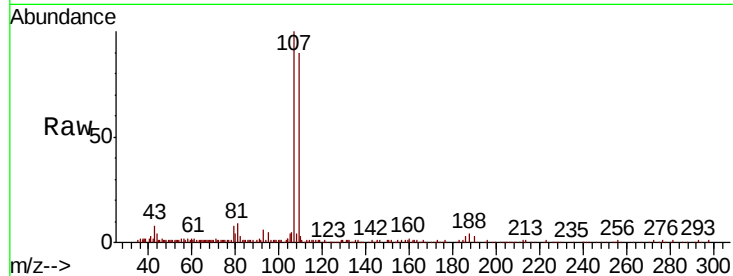
Ion Ratio Lower Upper

107 100

109 89.0 75.6 113.4

Manual Integrations
APPROVED

MMDadoda
2/11/2020 10:36:01 AM



#62

4-Bromofluorobenzene

Concen: 4.993 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

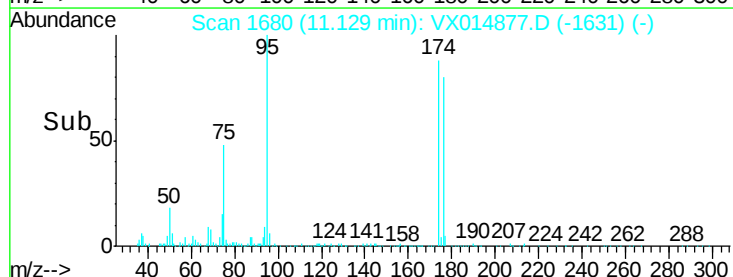
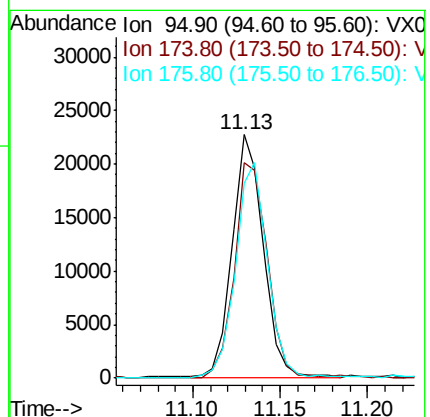
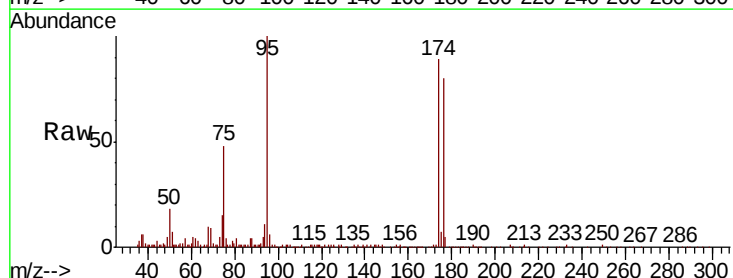
Tgt Ion: 95 Resp: 28291

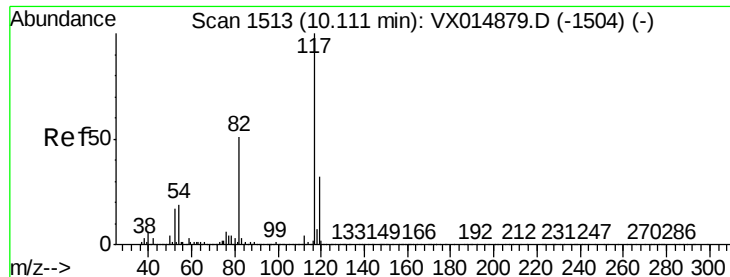
Ion Ratio Lower Upper

95 100

174 92.7 0.0 183.0

176 91.5 0.0 178.0





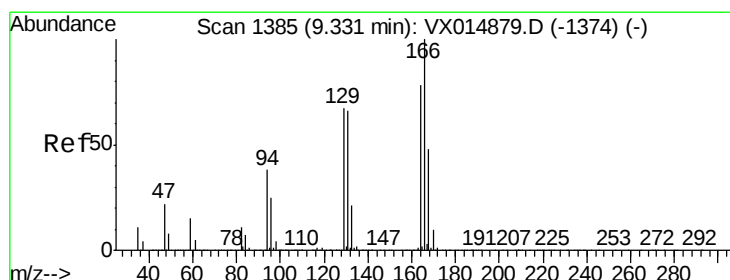
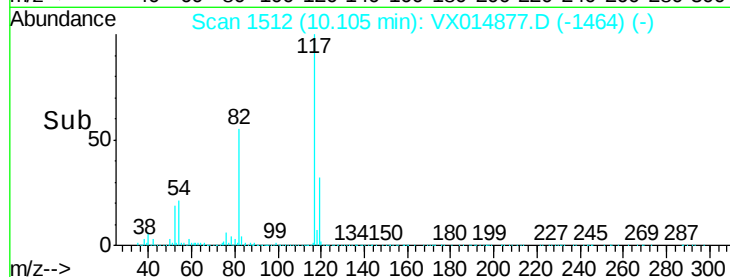
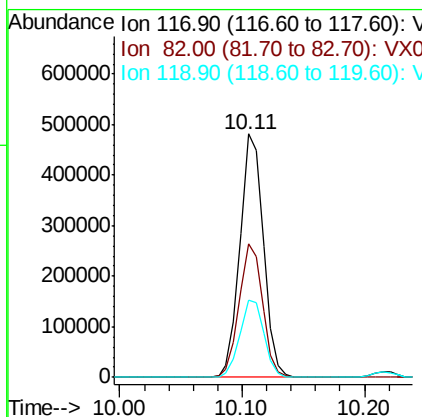
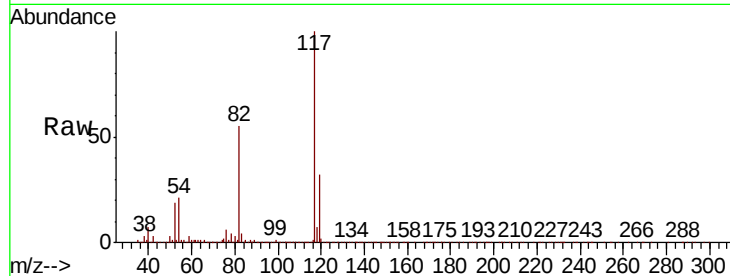
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	40.5	60.7
119	31.7	25.8	38.6

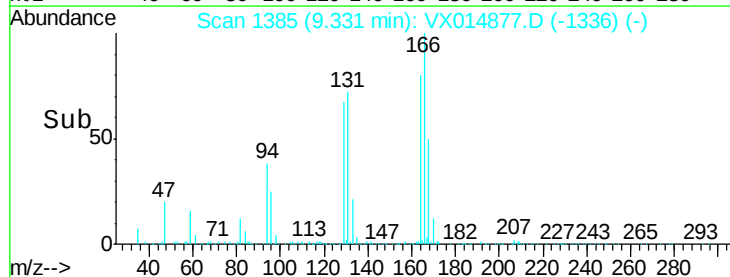
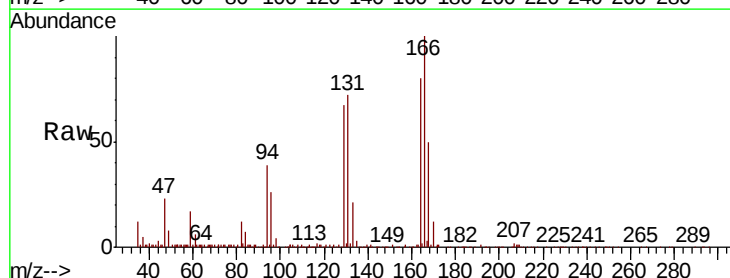
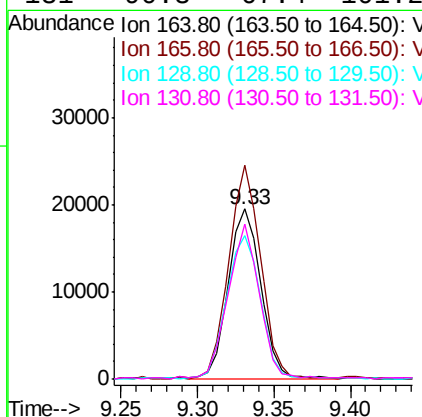
Manual Integrations
APPROVED

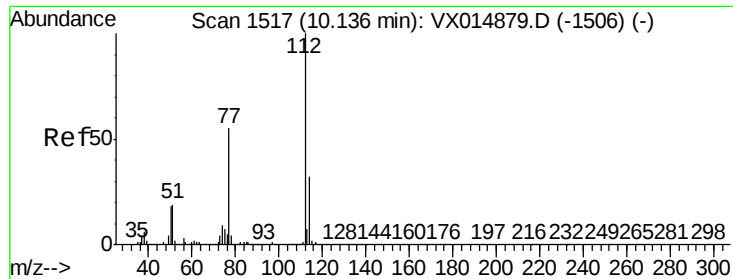
MMDadoda
2/11/2020 10:36:01 AM



#64
Tetrachloroethene
Concen: 4.952 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.1	102.6	153.8
129	83.5	68.3	102.5
131	90.3	67.4	101.2





#65

Chlorobenzene

Concen: 5.009 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion:112 Resp: 64919

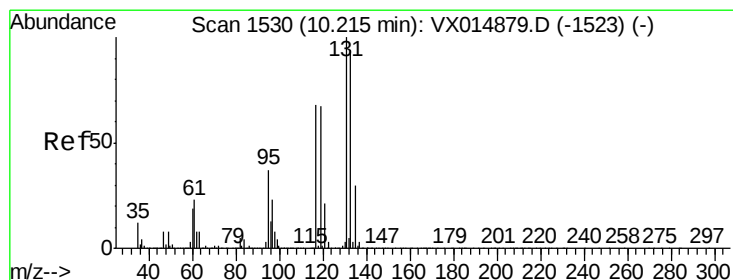
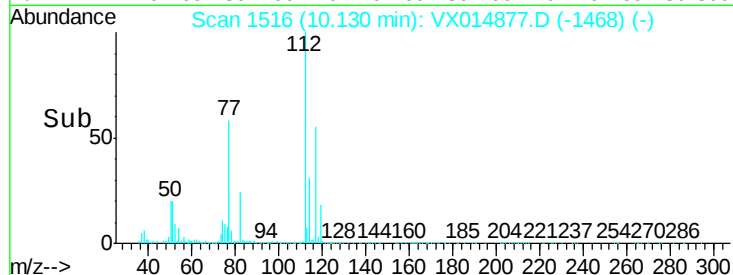
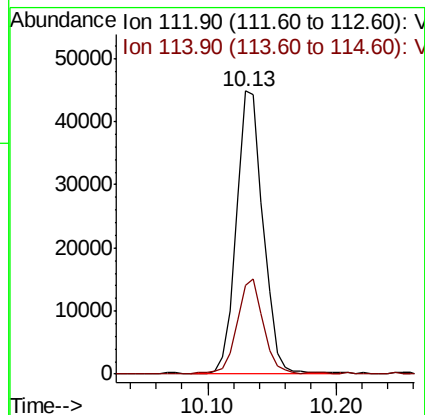
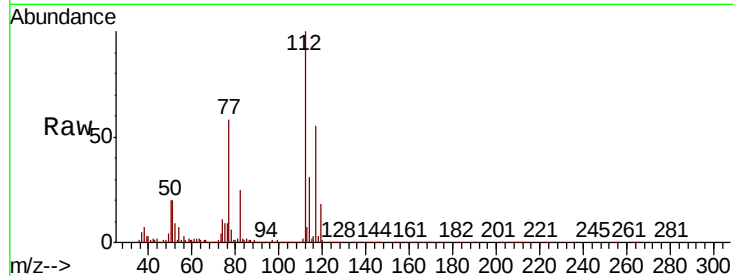
Ion Ratio Lower Upper

112 100

114 31.3 25.6 38.4

Manual Integrations
APPROVED

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2/11/2020 10:36:01 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 5.106 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

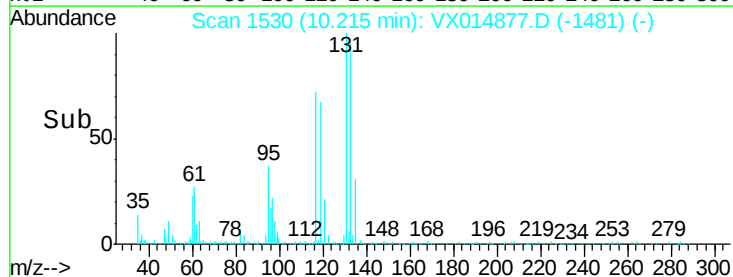
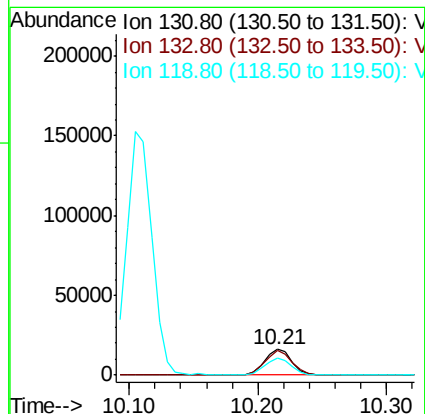
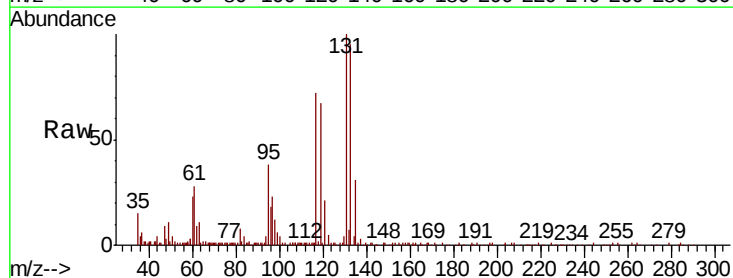
Tgt Ion:131 Resp: 23519

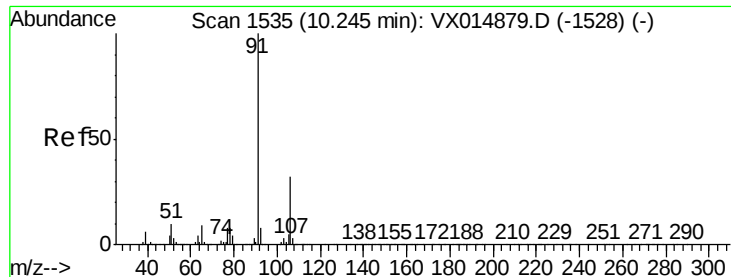
Ion Ratio Lower Upper

131 100

133 93.2 48.1 144.4

119 64.6 33.0 99.0





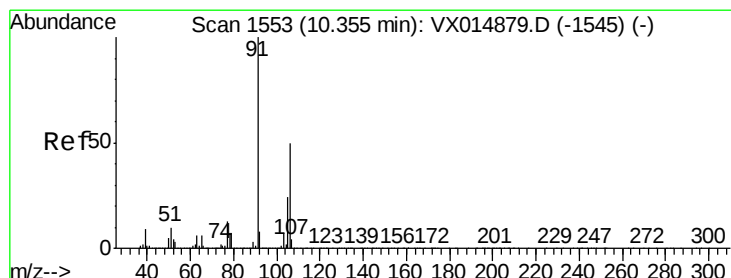
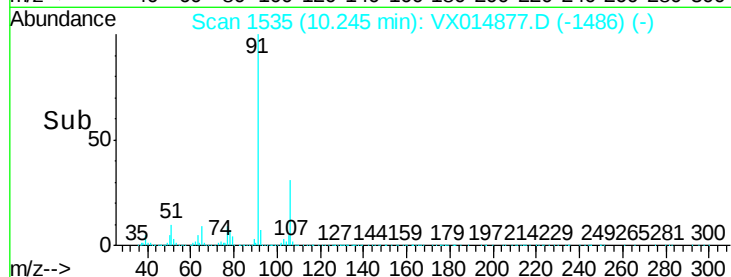
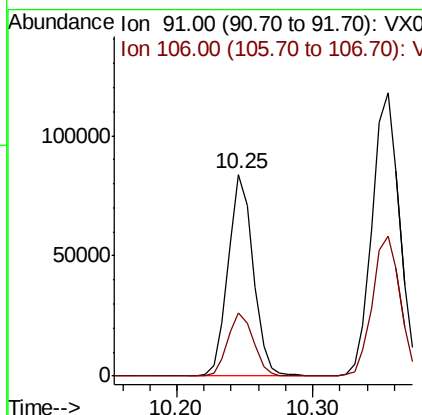
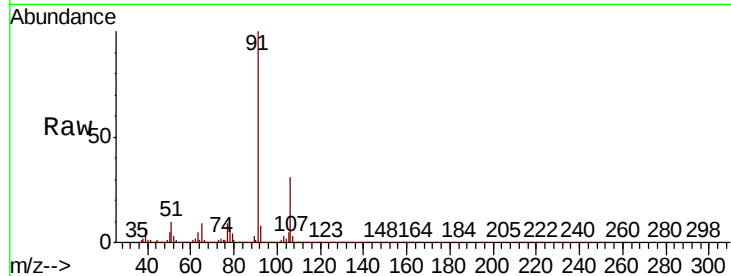
#67
Ethyl Benzene
Concen: 4.989 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 108267
Ion Ratio Lower Upper
91 100
106 31.1 25.3 37.9

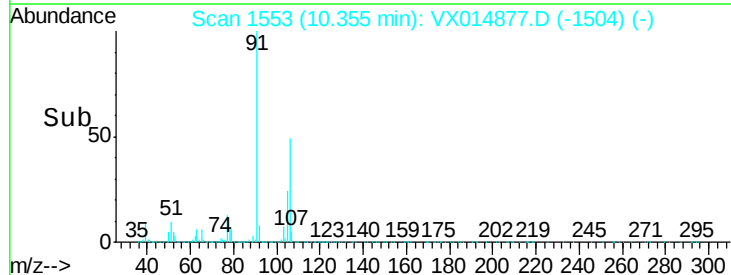
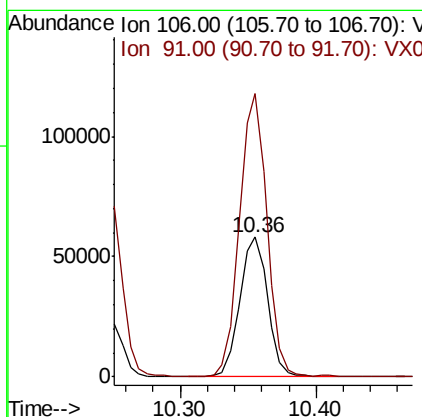
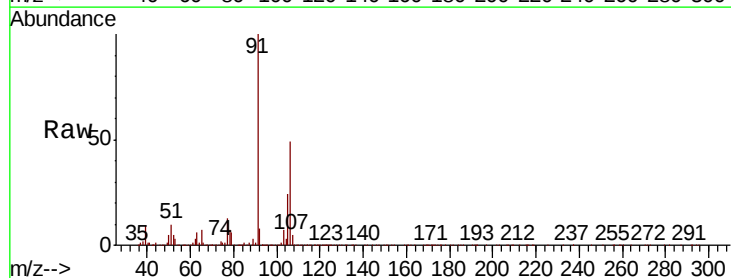
Manual Integrations
APPROVED

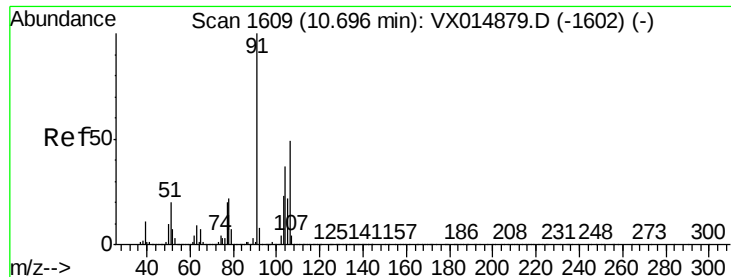
MMDadoda
2/11/2020 10:36:01 AM



#68
m/p-Xylenes
Concen: 9.923 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Tgt Ion: 106 Resp: 82715
Ion Ratio Lower Upper
106 100
91 199.2 160.6 240.8





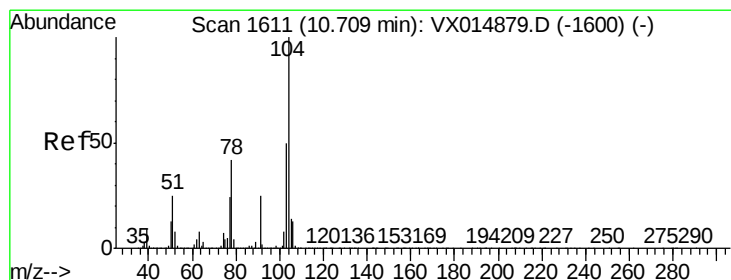
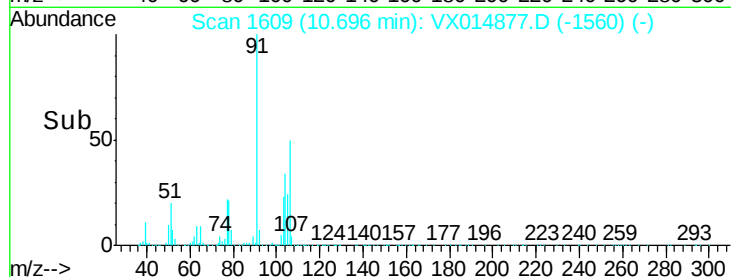
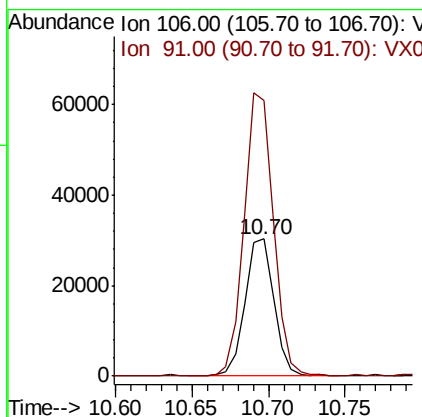
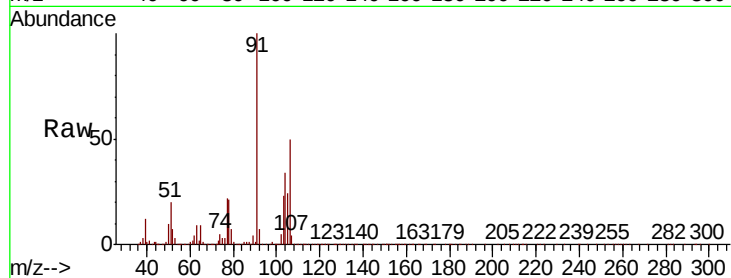
#69
o-Xylene
Concen: 4.957 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 39593
Ion Ratio Lower Upper
106 100
91 208.7 105.1 315.3

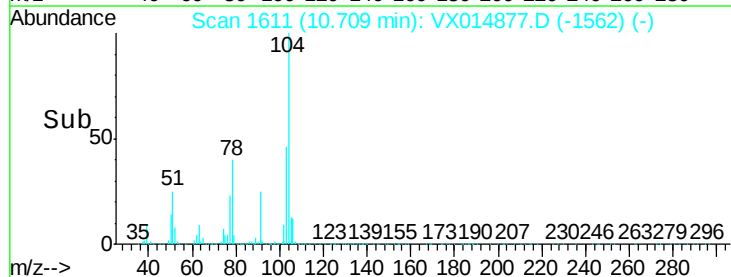
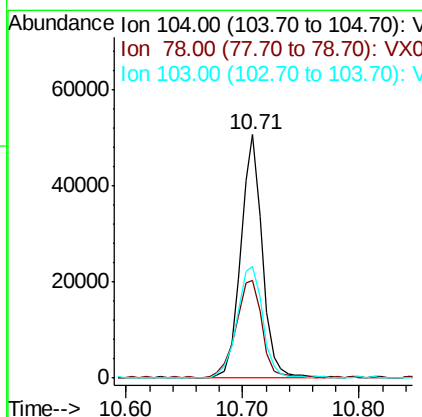
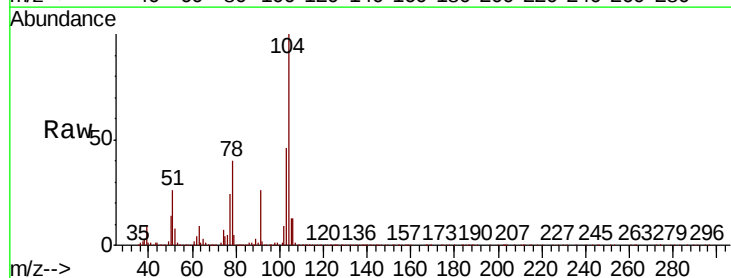
Manual Integrations
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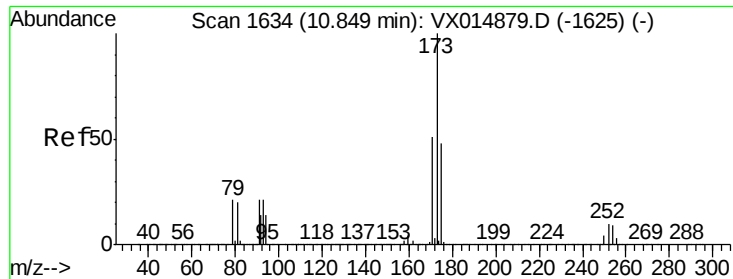
MMDadoda
2/11/2020 10:36:01 AM



#70
Styrene
Concen: 4.929 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Tgt Ion:104 Resp: 65308
Ion Ratio Lower Upper
104 100
78 48.6 39.0 58.4
103 54.1 43.4 65.0





#71

Bromoform

Concen: 4.640 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Instrument :

MSVOA_X

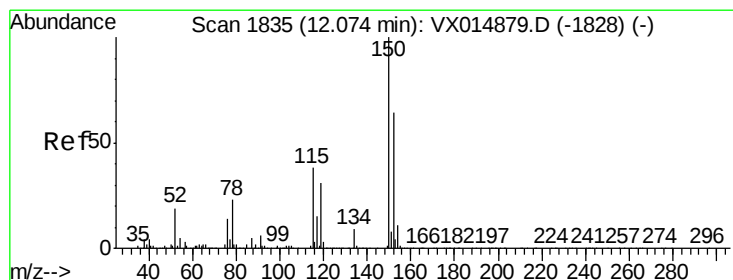
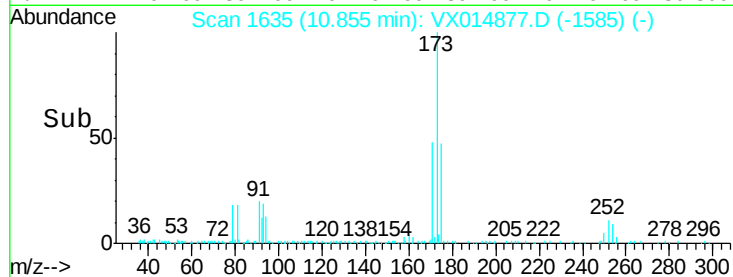
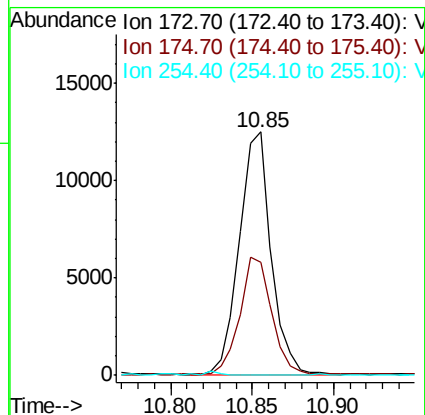
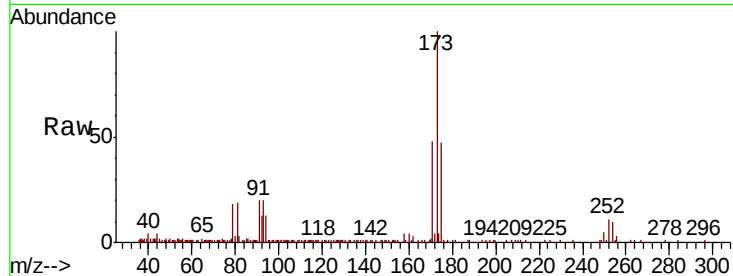
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.0	24.2	72.6
254	0.0	0.2	0.2

Manual Integrations
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2/11/2020 10:36:01 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

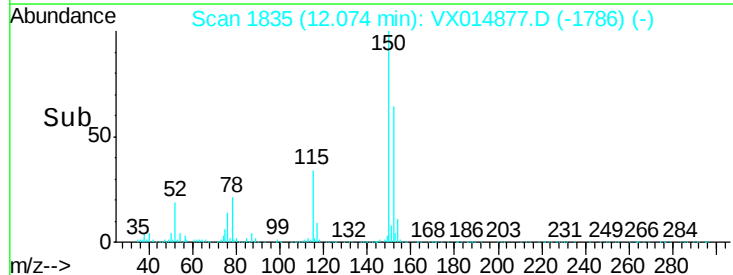
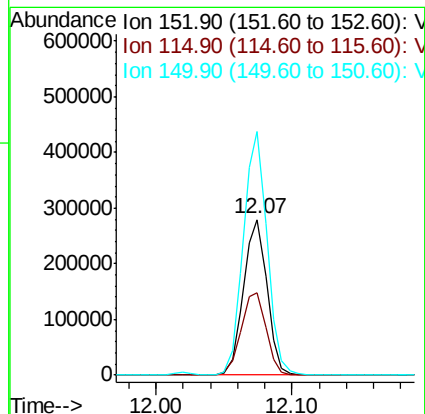
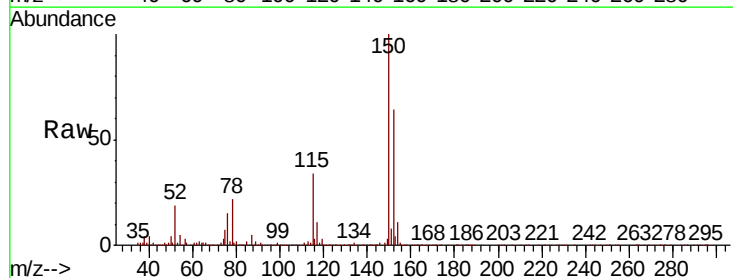
RT: 12.07 min Scan# 1835

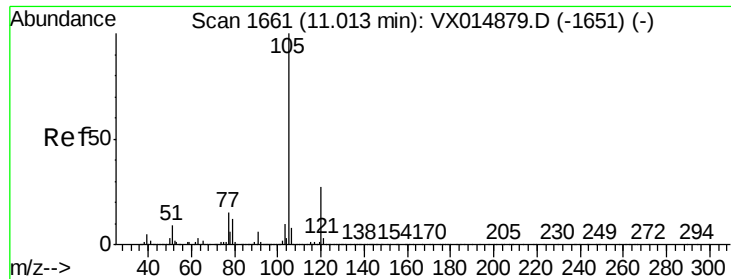
Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	38.6	116.0
150	158.1	0.0	349.0





#73

Isopropylbenzene

Concen: 5.072 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 106486

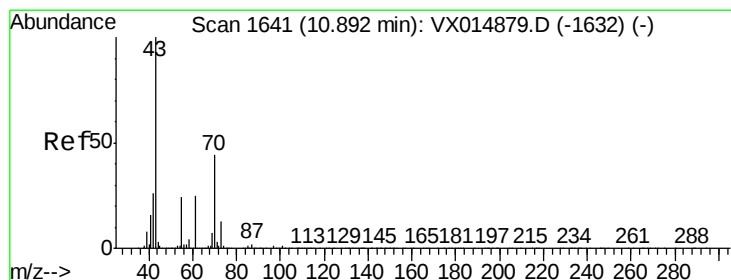
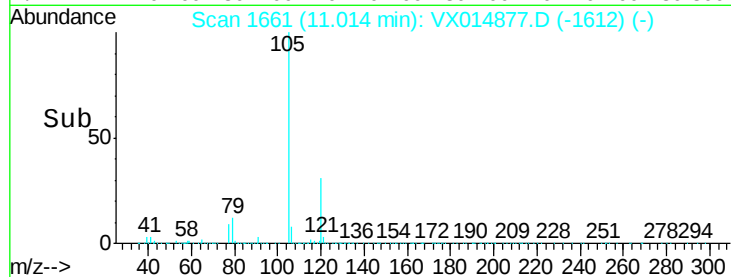
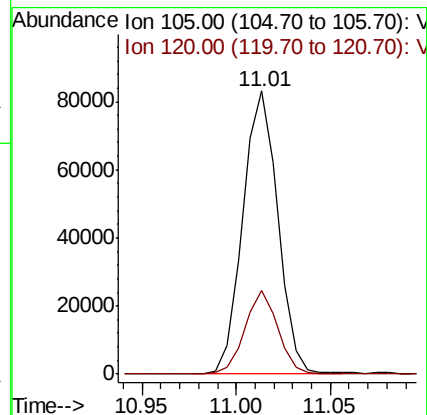
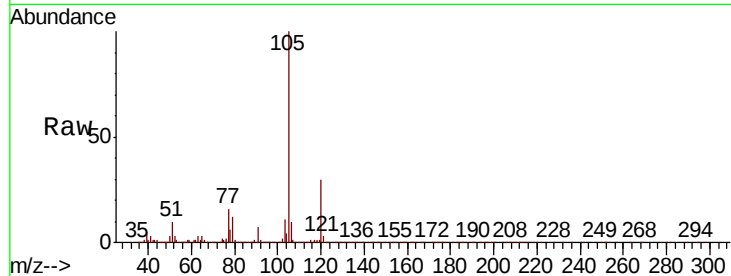
Ion Ratio Lower Upper

105 100

120 27.7 13.6 40.8

Manual Integrations
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2/11/2020 10:36:01 AM



#74

N-ethyl acetate

Concen: 4.699 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Tgt Ion: 43 Resp: 38913

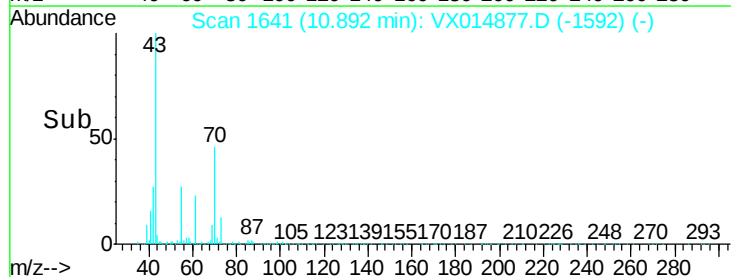
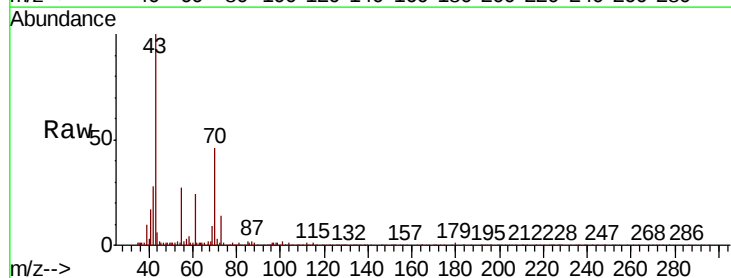
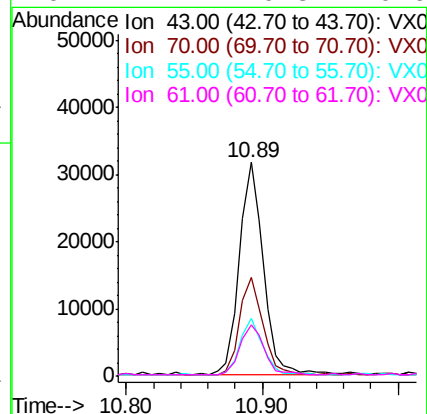
Ion Ratio Lower Upper

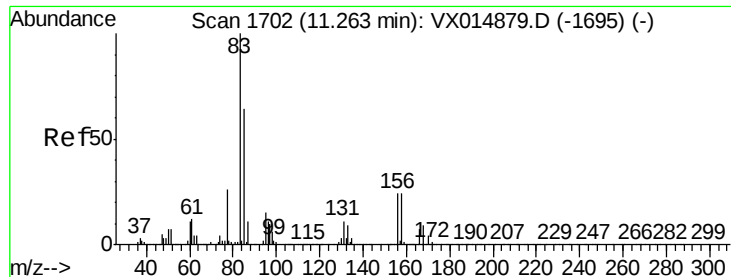
43 100

70 45.7 35.0 52.4

55 26.2 19.4 29.2

61 24.4 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 4.907 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Instrument :

MSVOA_X

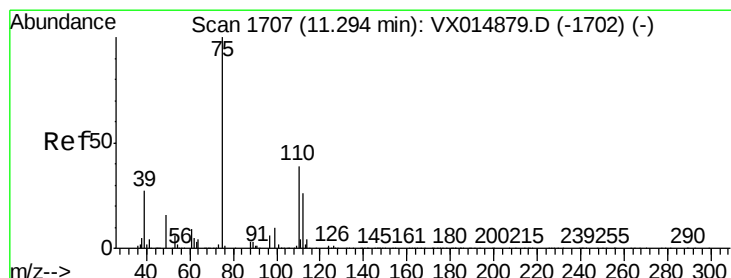
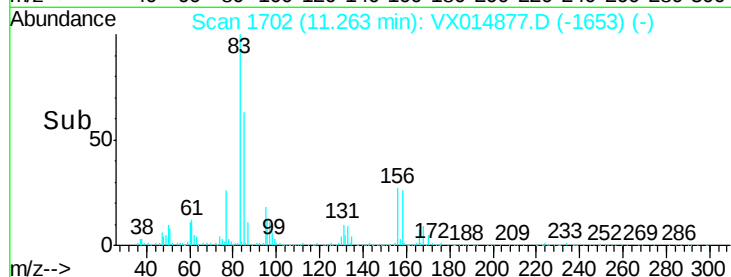
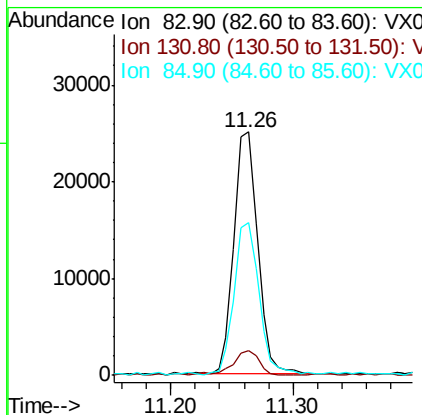
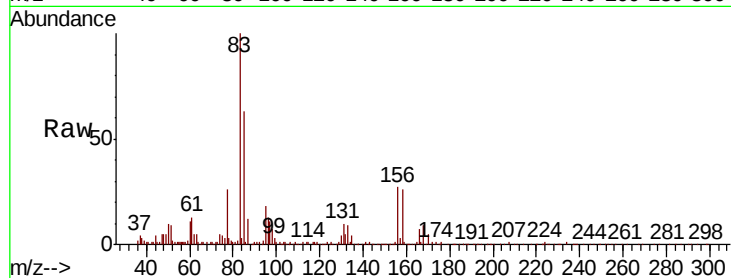
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	33921
Ion Ratio	Lower	Upper	
83	100		
131	12.4	5.3	16.1
85	64.5	32.6	97.7

Manual Integrations
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2/11/2020 10:36:01 AM



#76

1,2,3-Trichloropropane

Concen: 4.511 ug/l m

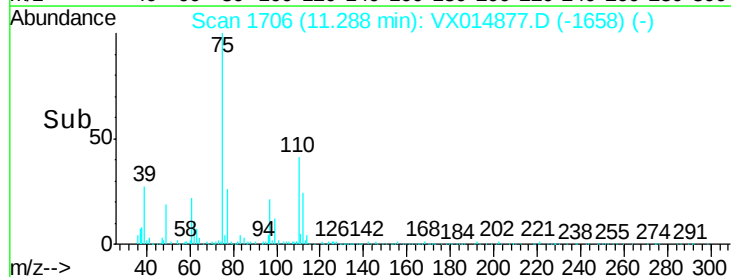
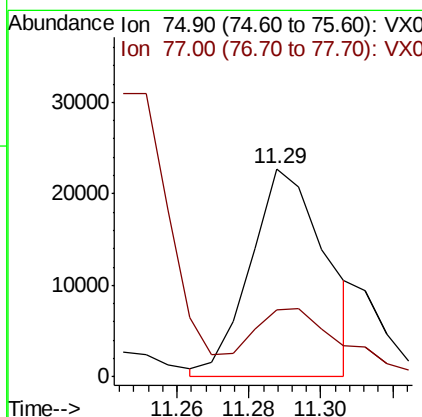
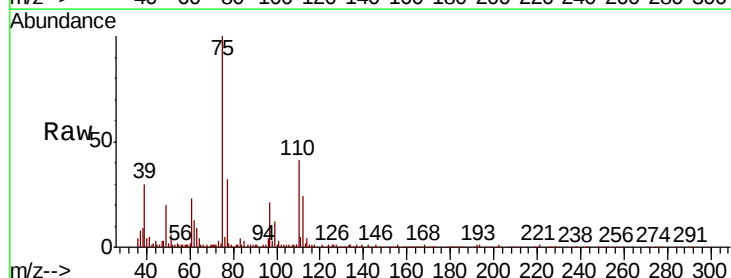
RT: 11.29 min Scan# 1706

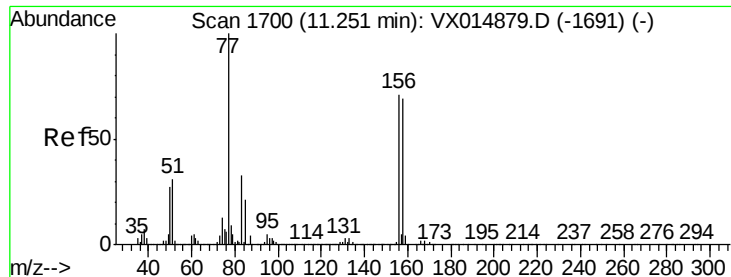
Delta R.T. -0.01 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Tgt Ion:	75	Resp:	32808
Ion Ratio	Lower	Upper	
75	100		
77	39.5	18.4	55.0





#77

Bromobenzene

Concen: 5.020 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Instrument :

MSVOA_X

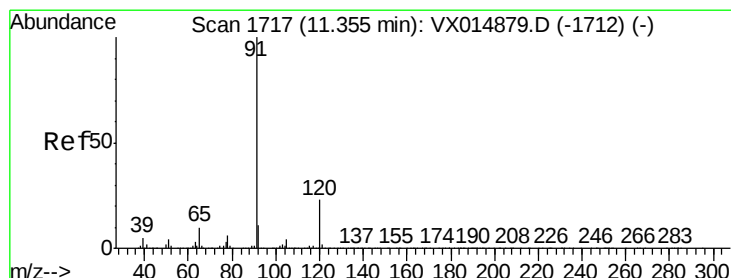
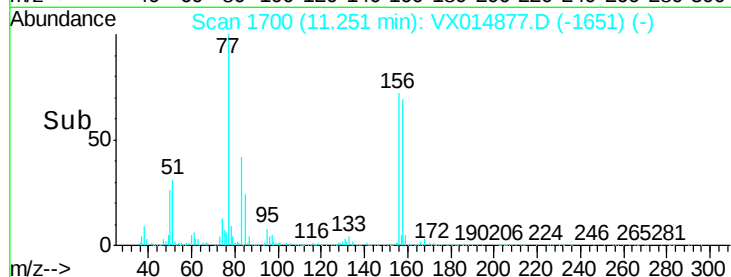
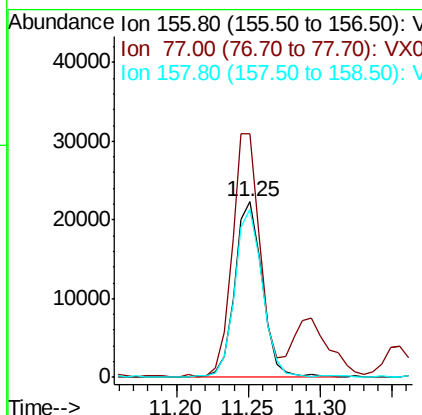
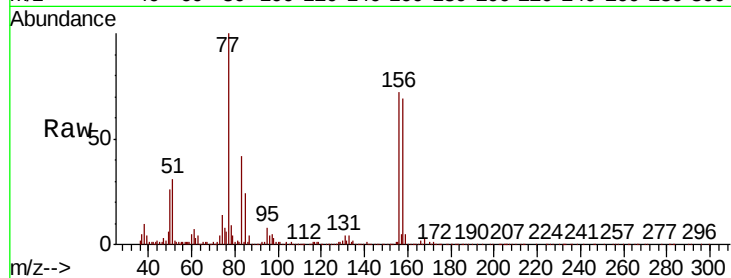
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	29602
Ion Ratio	Lower	Upper	
156	100		
77	140.0	74.0	222.0
158	97.2	48.9	146.6

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#78

n-propylbenzene

Concen: 5.023 ug/l

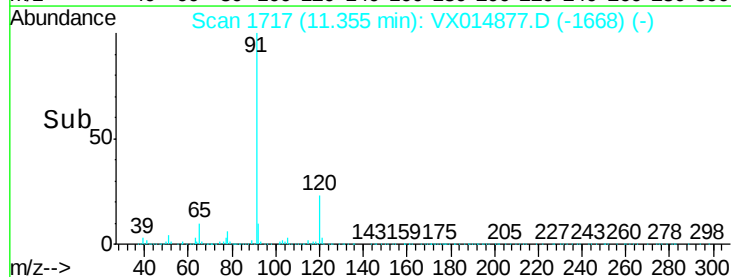
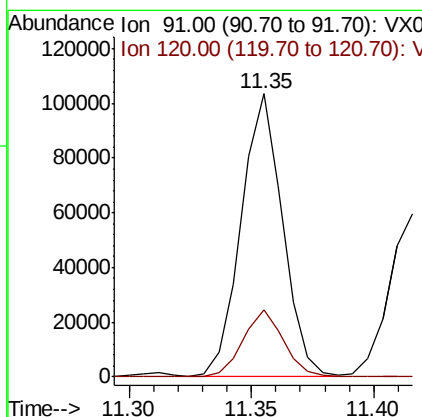
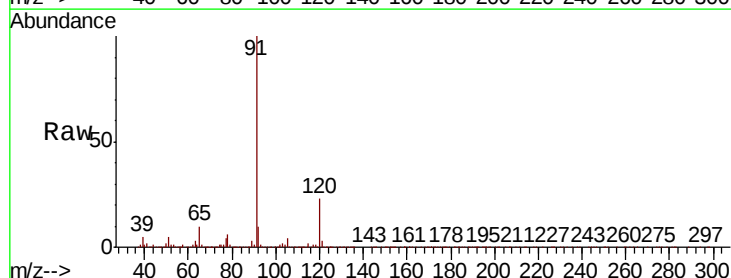
RT: 11.35 min Scan# 1717

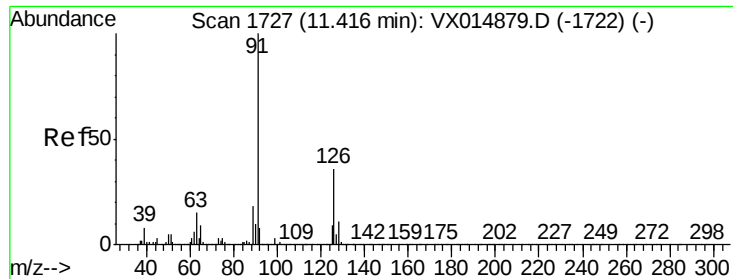
Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Tgt Ion:	91	Resp:	121496
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.8	35.4





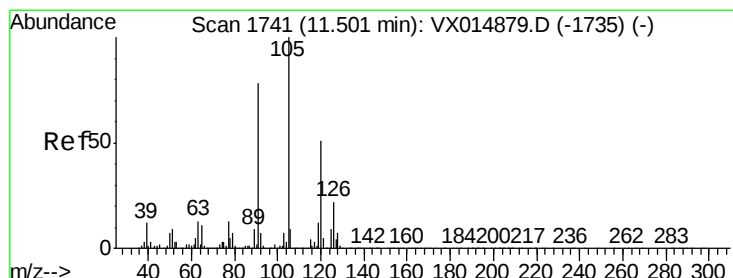
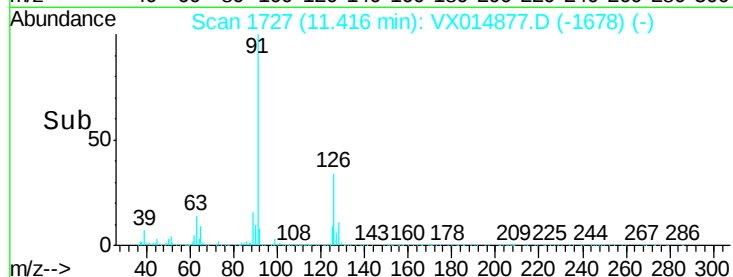
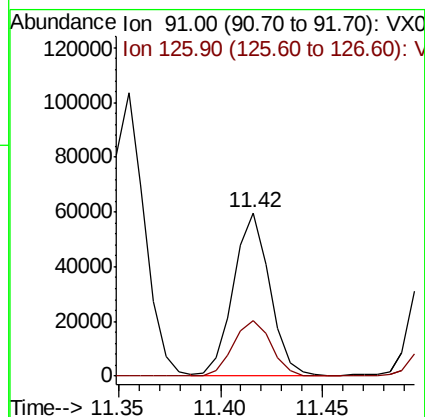
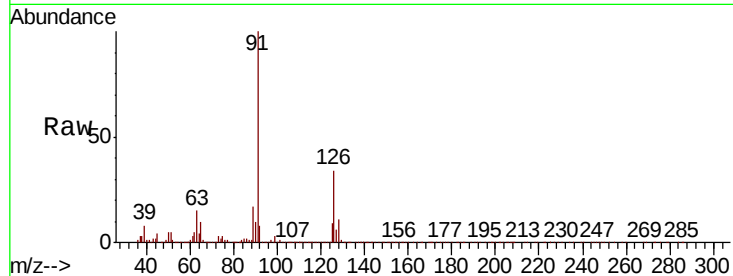
#79
2-Chlorotoluene
Concen: 5.077 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 72675
Ion Ratio Lower Upper
91 100
126 35.8 18.0 54.0

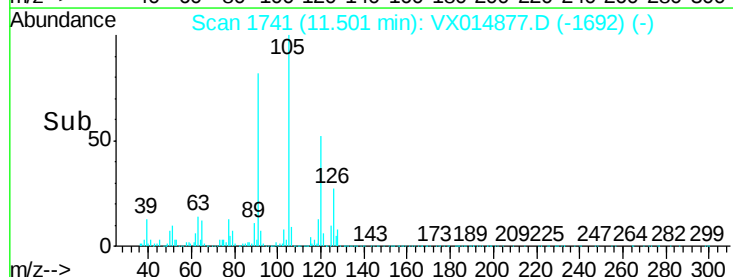
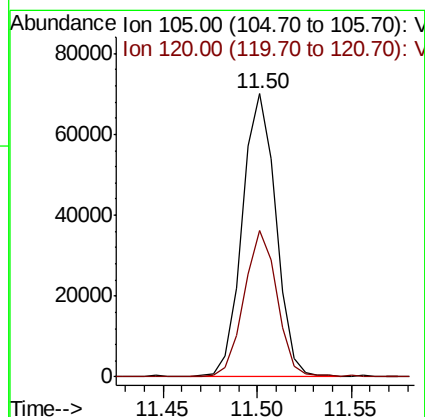
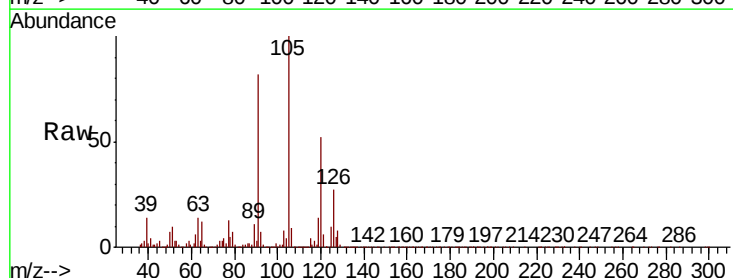
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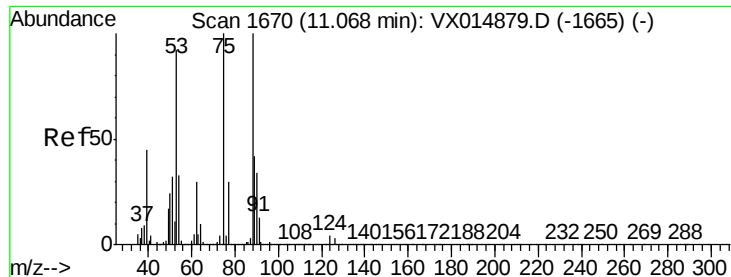
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 5.001 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Tgt Ion: 105 Resp: 86122
Ion Ratio Lower Upper
105 100
120 50.5 25.6 76.6





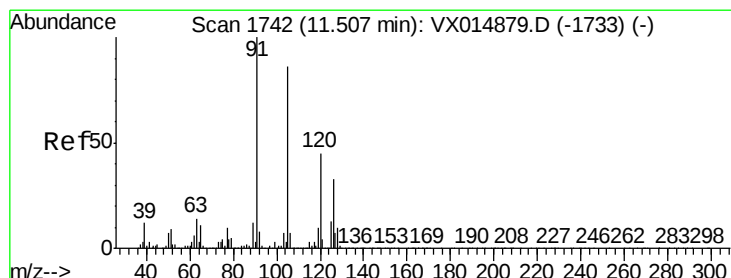
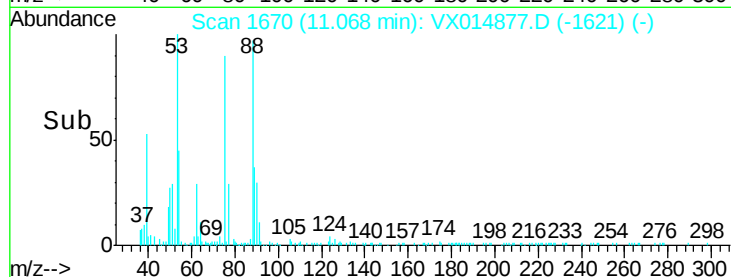
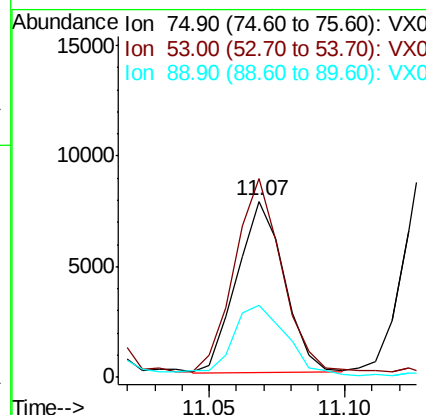
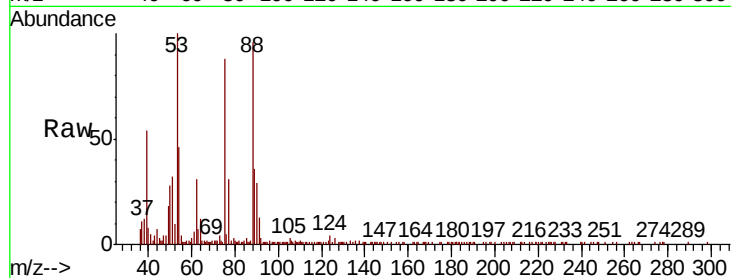
#81
trans-1,4-Dichloro-2-butene
Concen: 4.613 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.8	76.2	114.2
89	46.9	35.8	53.6

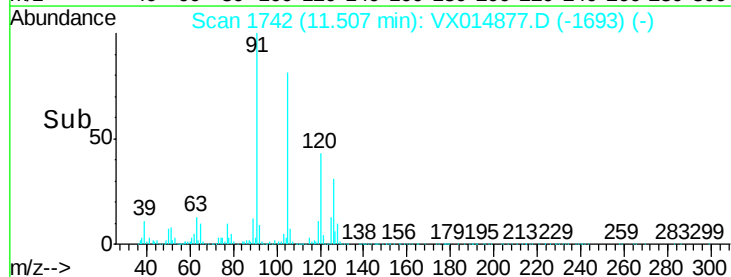
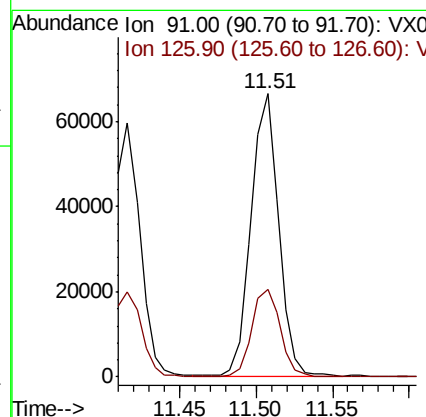
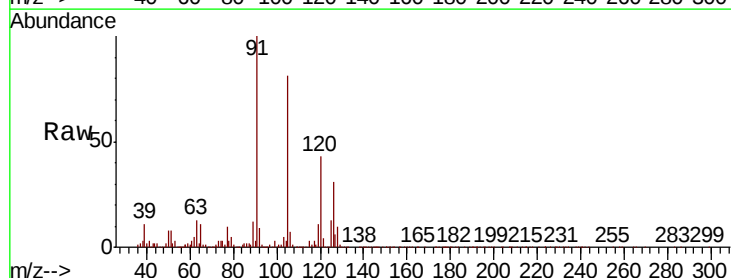
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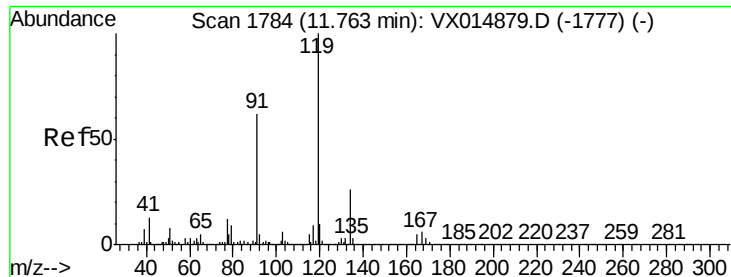
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#82
4-Chlorotoluene
Concen: 4.934 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.7	47.0





#83

tert-Butylbenzene

Concen: 5.064 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Instrument :

MSVOA_X

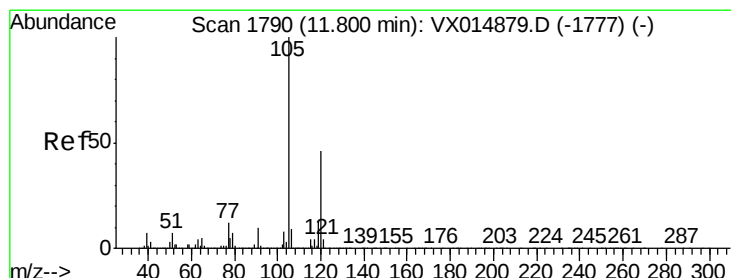
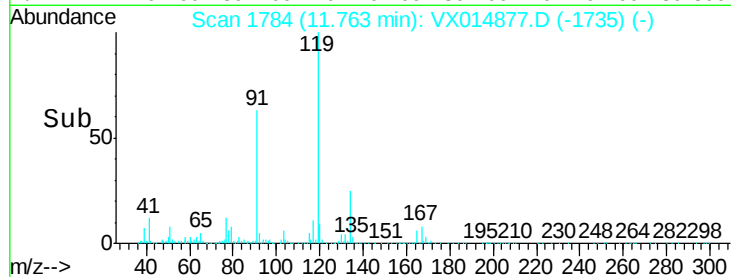
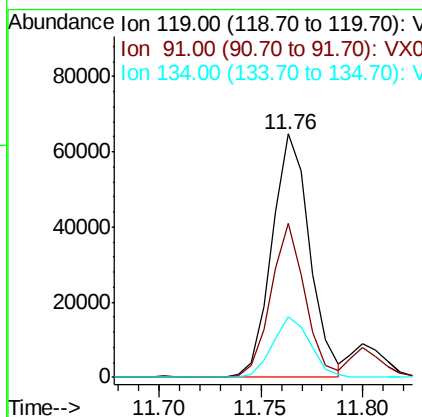
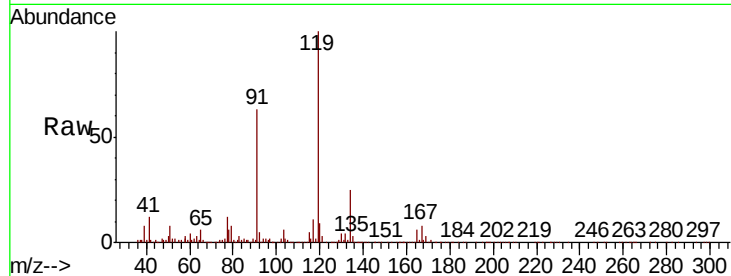
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	83578
Ion Ratio	Lower	Upper	
119	100		
91	57.1	29.5	88.6
134	25.0	12.6	37.6

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#84

1,2,4-Trimethylbenzene

Concen: 4.920 ug/l

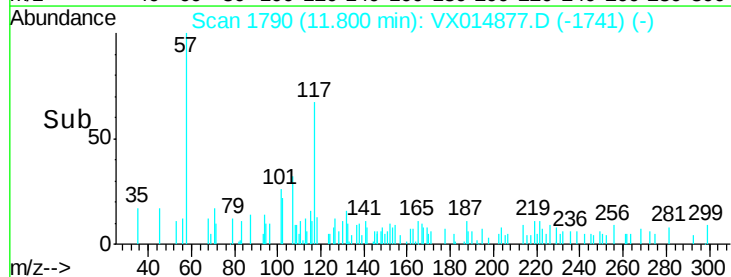
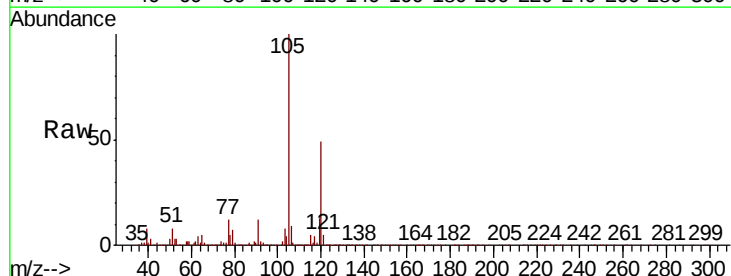
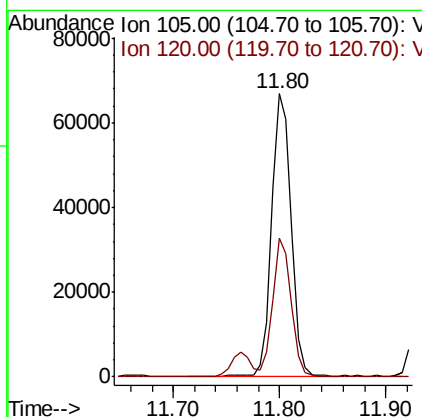
RT: 11.80 min Scan# 1790

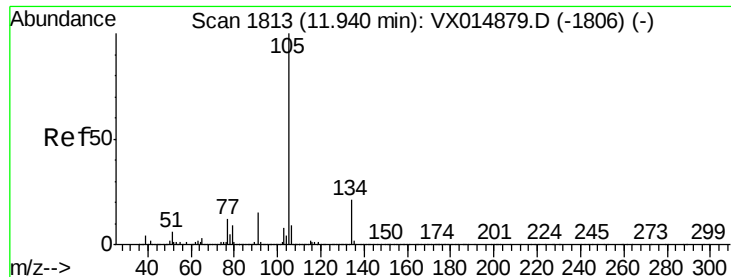
Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Tgt Ion:	105	Resp:	85860
Ion Ratio	Lower	Upper	
105	100		
120	45.8	23.0	69.0





#85

sec-Butylbenzene

Concen: 4.972 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 101703

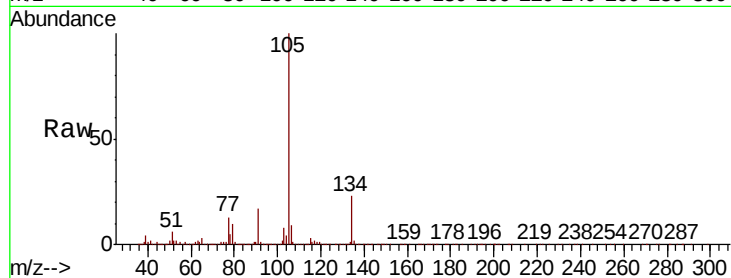
Ion Ratio Lower Upper

105 100

134 21.5 10.6 31.8

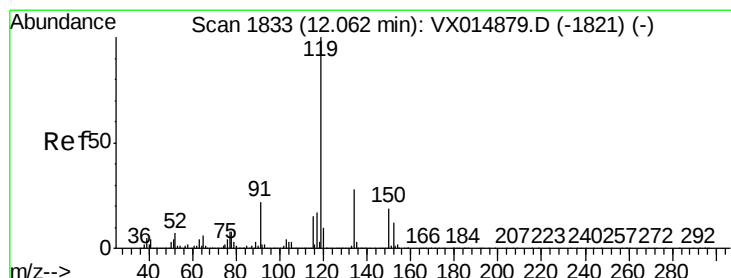
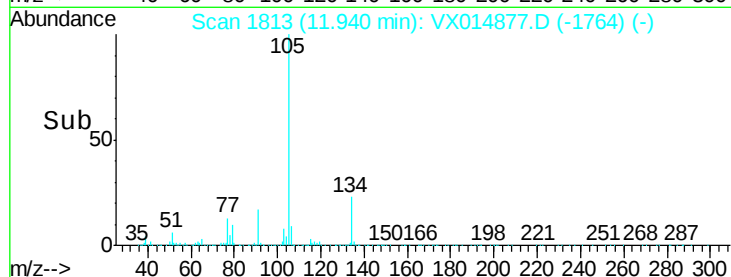
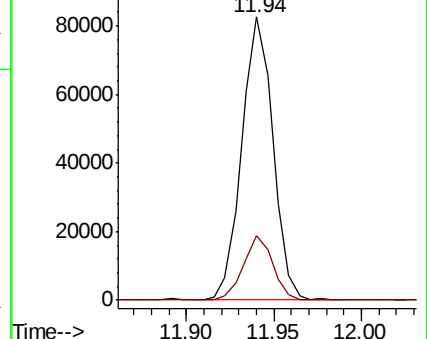
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.947 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

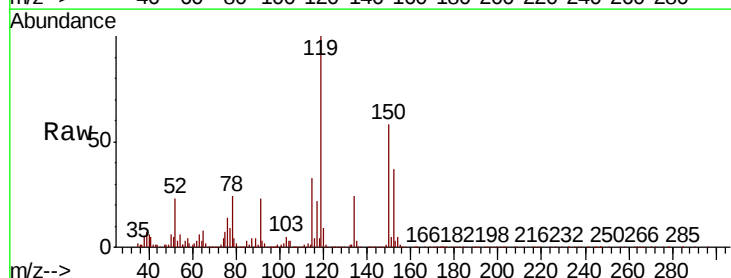
Tgt Ion:119 Resp: 94283

Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.5

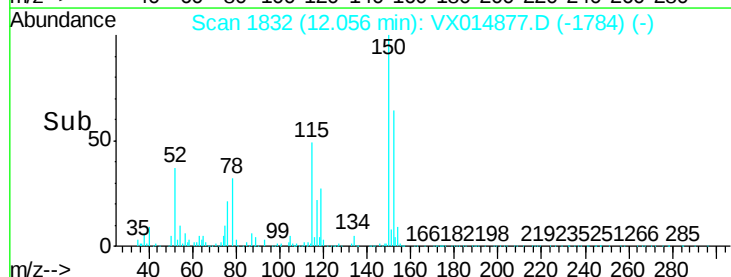
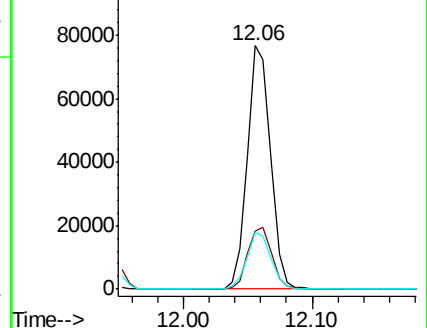
91 24.7 11.4 34.1

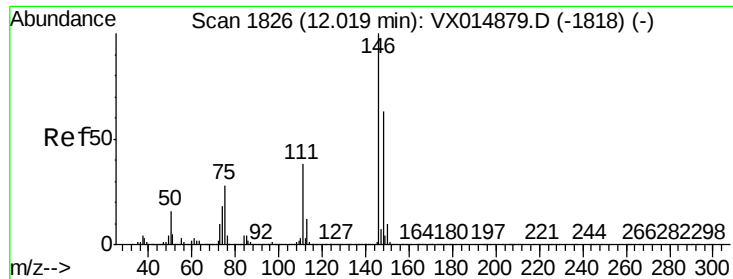


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 4.980 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX014877.D

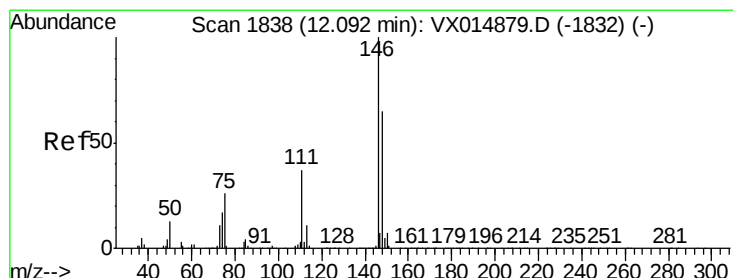
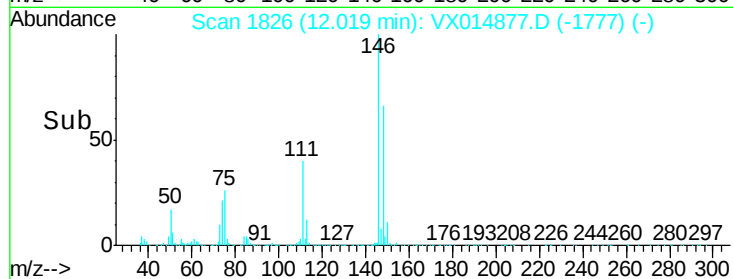
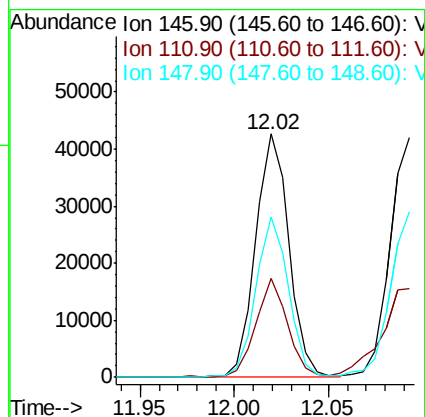
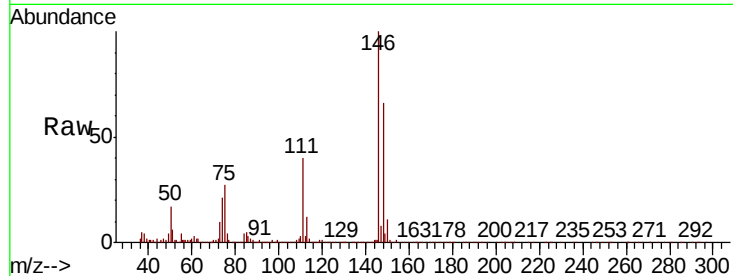
Acq: 10 Feb 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.6	56.0
148	63.9	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 5.021 ug/l

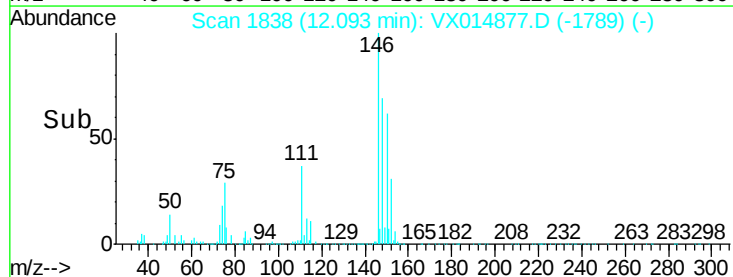
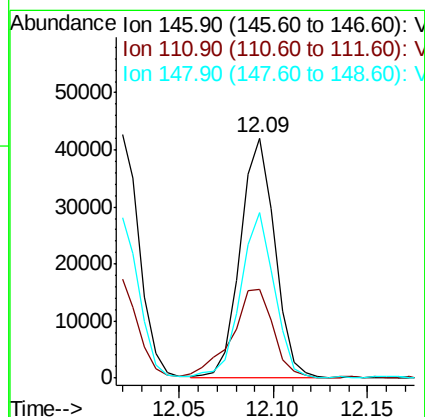
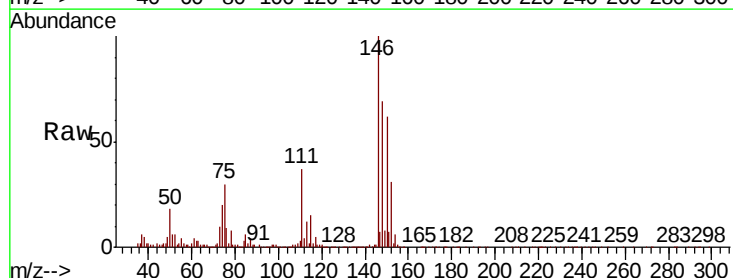
RT: 12.09 min Scan# 1838

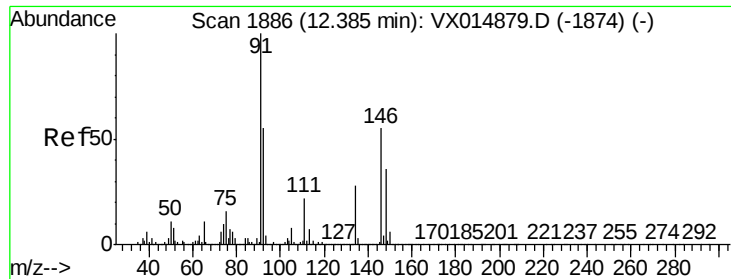
Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.4	18.6	55.6
148	67.7	32.4	97.0





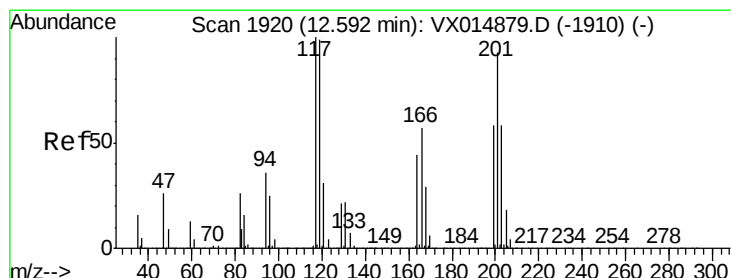
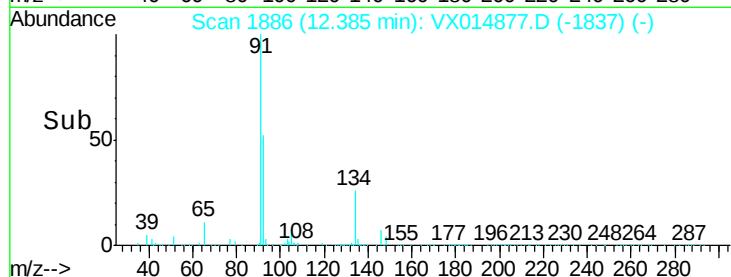
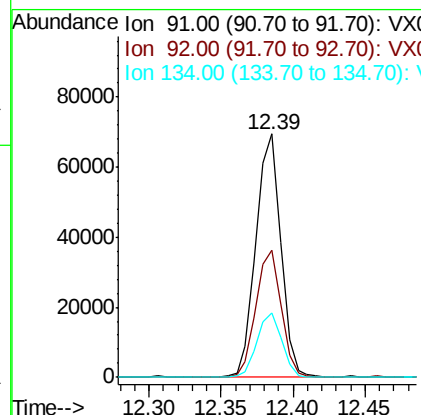
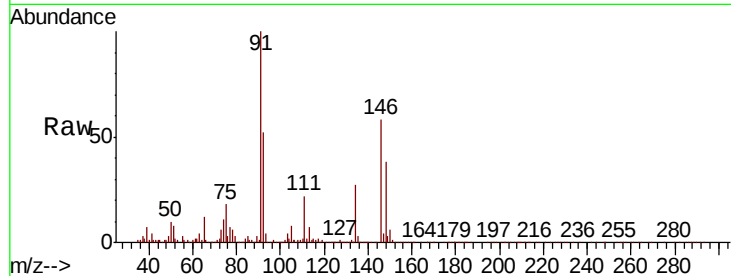
#89
n-Butylbenzene
Concen: 4.891 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.3	81.8
134	26.6	13.8	41.4

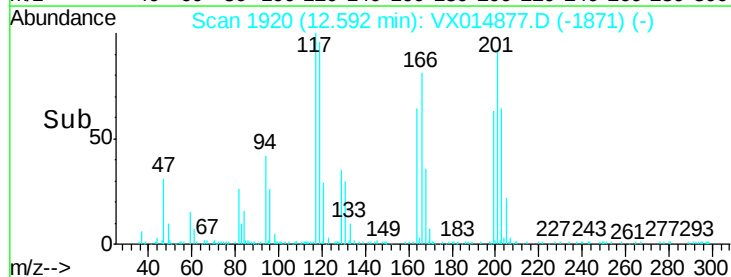
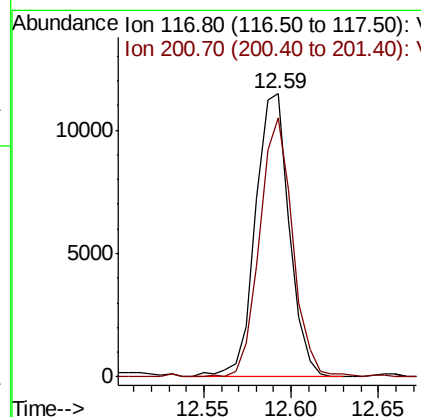
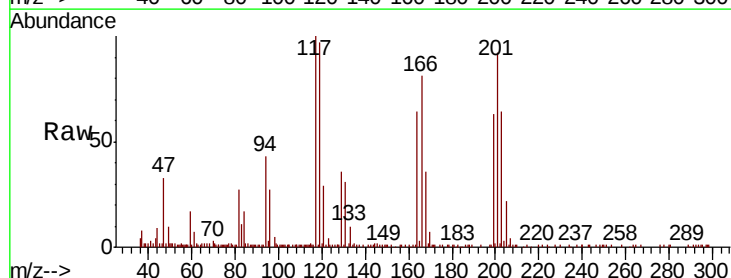
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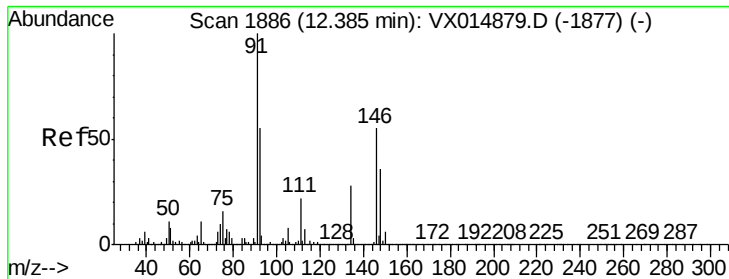
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#90
Hexachloroethane
Concen: 4.789 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.7	44.8	134.3





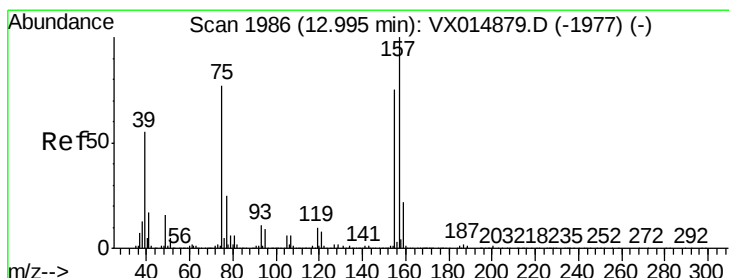
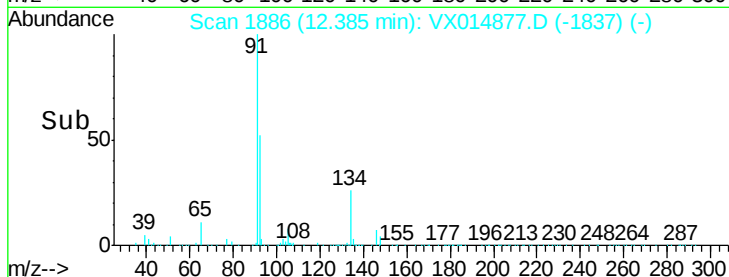
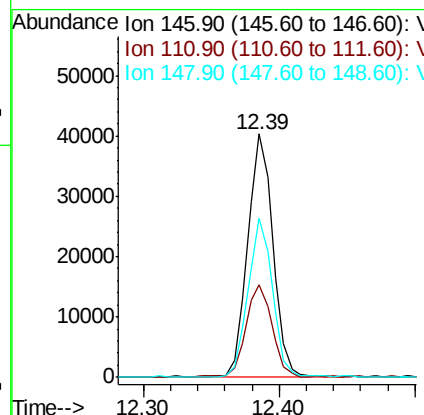
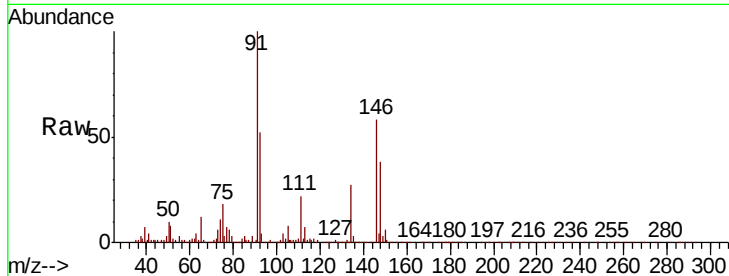
#91
 1,2-Dichlorobenzene
 Concen: 5.033 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014877.D
 Acq: 10 Feb 2020 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.8	59.3
148	64.5	32.4	97.2

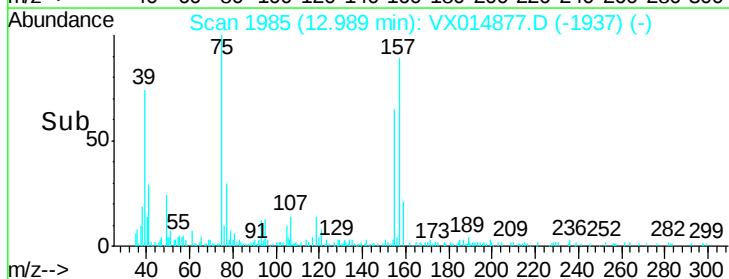
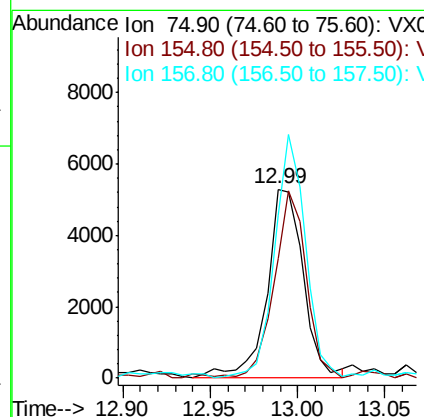
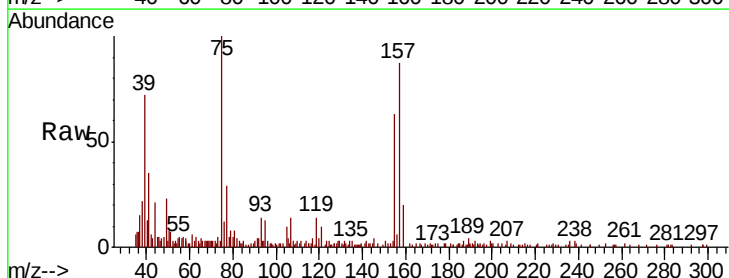
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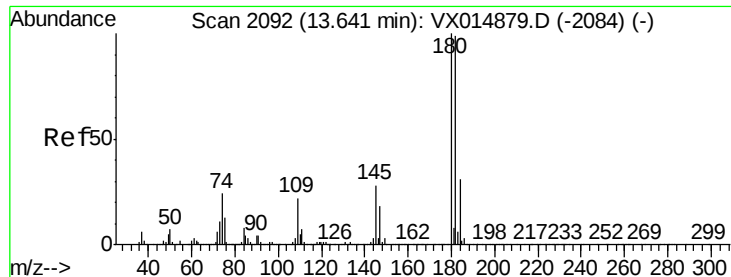
MMDadoda
 2/11/2020 10:36:01 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.689 ug/l
 RT: 12.99 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VX014877.D
 Acq: 10 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.8	48.6	145.9
157	110.3	62.0	186.0





#93

1,2,4-Trichlorobenzene

Concen: 4.890 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Instrument :

MSVOA_X

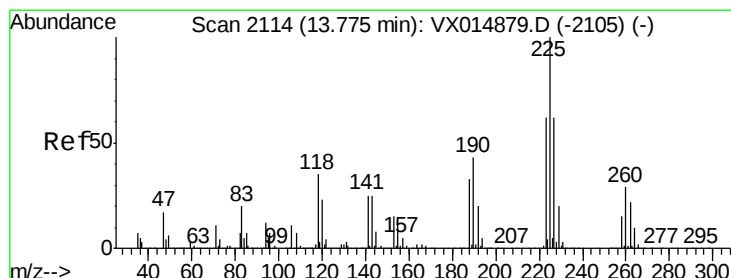
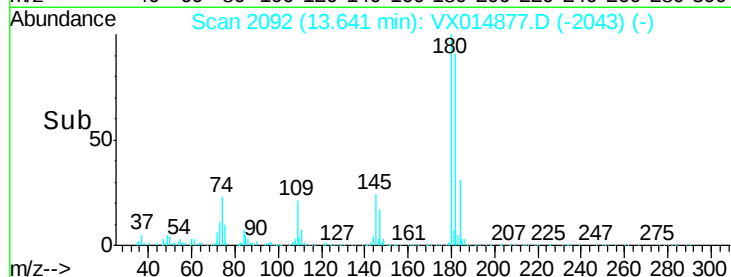
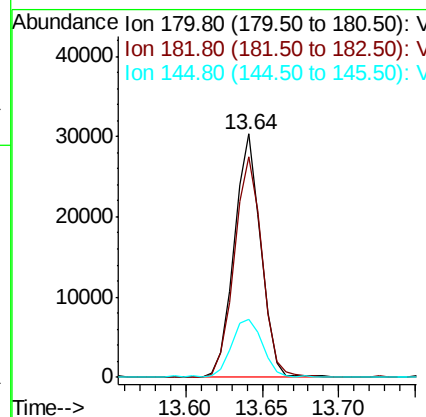
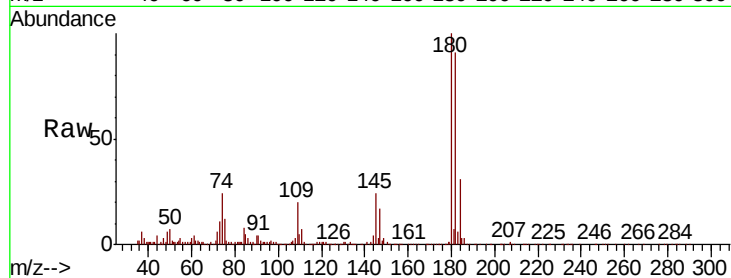
ClientSampleId :

VSTDIC005

Tot Ion:	180	Resp:	36555
Ion Ratio	Lower	Upper	
180	100		
182	94.4	48.4	145.3
145	28.0	14.1	42.4

Manual Integrations
APPROVED

MMDadoda
2/11/2020 10:36:01 AM



#94

Hexachlorobutadiene

Concen: 4.953 ug/l

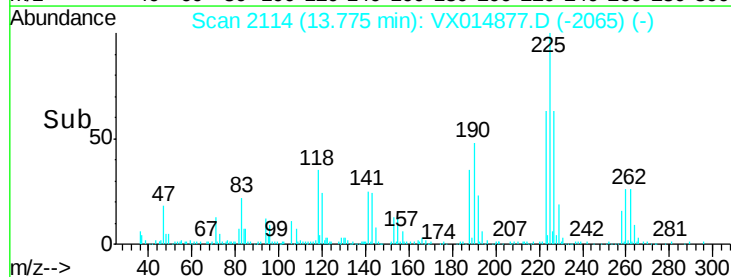
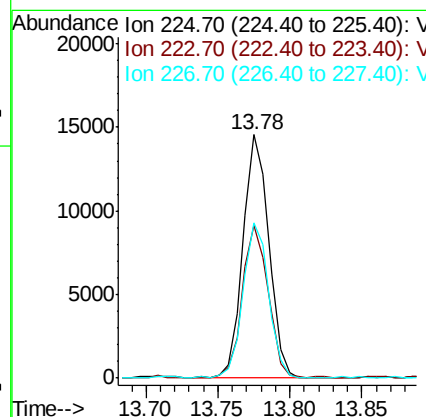
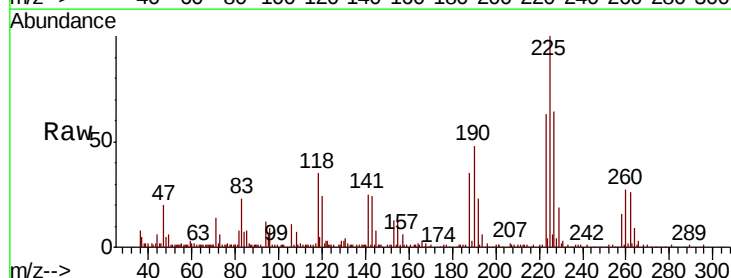
RT: 13.78 min Scan# 2114

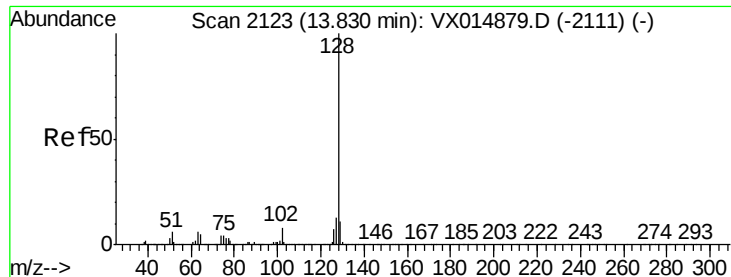
Delta R.T. 0.00 min

Lab File: VX014877.D

Acq: 10 Feb 2020 10:16

Tgt Ion:	225	Resp:	18232
Ion Ratio	Lower	Upper	
225	100		
223	63.0	31.1	93.2
227	63.5	30.9	92.5





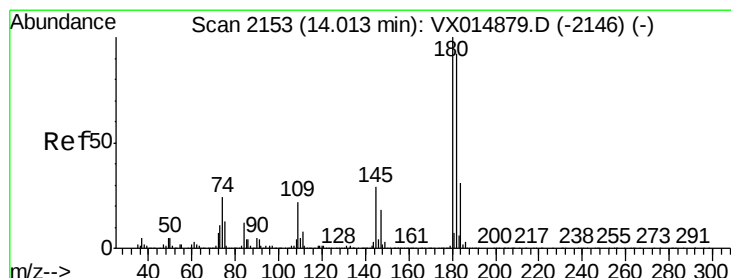
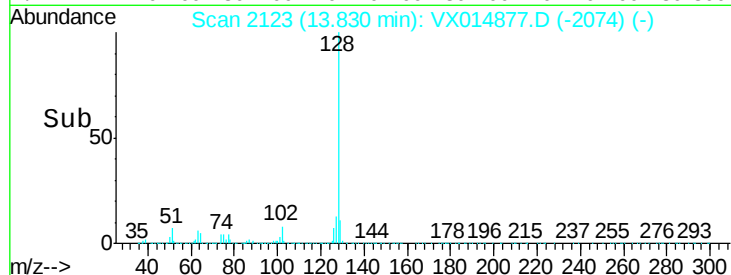
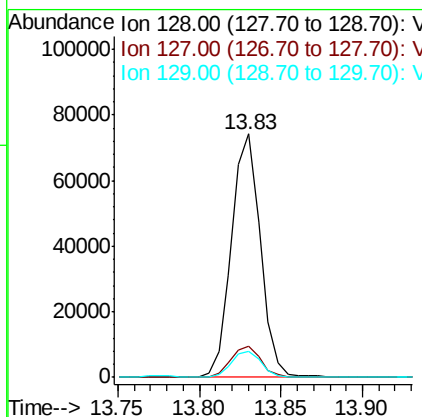
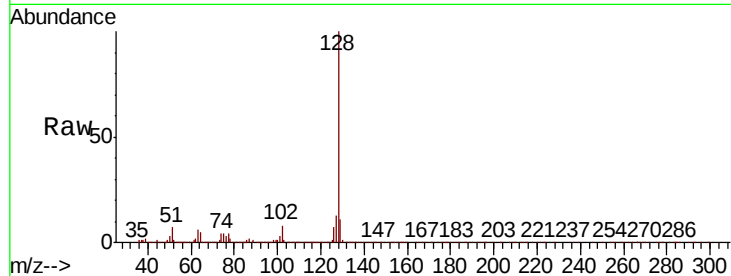
#95
Naphthalene
Concen: 4.747 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/11/2020 10:36:01 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.917 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014877.D
Acq: 10 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	47.5	142.6
145	31.3	14.5	43.5

