

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021319\
 Data File : VX007500.D
 Acq On : 12 Feb 2019 23:02
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 2/13/2019 11:52:40 AM

Quant Time: Feb 13 07:54:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X021319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 13 07:08:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	79002	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	419091	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	372813	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	153576	29.66	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.87%
60) 4-Bromofluorobenzene	11.13	95	173039	30.19	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.63%
63) Toluene-d8	8.71	98	511991	30.46	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	79300	21.426	ug/l 100
3) Chloromethane	1.33	50	88300	21.566	ug/l 100
4) Vinyl Chloride	1.41	62	96423	20.914	ug/l 100
5) Bromomethane	1.64	94	76948	16.834	ug/l 100
6) Chloroethane	1.73	64	62847	20.251	ug/l 100
7) Trichlorofluoromethane	1.93	101	151870	19.742	ug/l 100
8) Diethyl Ether	2.19	74	60236	20.557	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	84726	18.805	ug/l 100
10) 1,1-Dichloroethene	2.38	96	85383	20.527	ug/l 100
11) Methyl Iodide	2.51	142	116215	17.757	ug/l 100
12) Methyl Acetate	2.78	43	111983	16.602	ug/l 100
13) Acrolein	2.30	56	96144	158.235	ug/l 100
14) Acrylonitrile	3.15	53	270366	102.606	ug/l 100
15) Acetone	2.45	58	73736	99.691	ug/l 100
16) Carbon Disulfide	2.57	76	219371	21.327	ug/l 100
17) Allyl chloride	2.73	41	141221	19.708	ug/l 100
18) Methylene Chloride	2.86	84	95318	20.083	ug/l 100
19) trans-1,2-Dichloroethene	3.17	96	88930	19.835	ug/l 100
20) Diisopropyl ether	3.87	45	274977	20.514	ug/l 100
21) 1,1-Dichloroethane	3.70	63	153837	20.205	ug/l 100
22) cis-1,2-Dichloroethene	4.60	96	102088	20.607	ug/l 100
23) tert-Butyl Alcohol	3.07	59	112127	101.716	ug/l 100
24) Methyl tert-Butyl Ether	3.20	73	292247	20.161	ug/l 100
25) Chloroform	5.21	83	161721	20.456	ug/l 100
26) Cyclohexane	5.57	56	129964	20.121	ug/l # 100
29) 1,1-Dichloropropene	5.80	75	114788	20.683	ug/l 100
30) 2-Butanone	4.70	43	346554	105.178	ug/l 100
31) 2,2-Dichloropropane	4.59	77	92673	17.152	ug/l 100
32) 1,1,1-Trichloroethane	5.49	97	137130	20.799	ug/l 100
33) Carbon Tetrachloride	5.79	117	117484	20.248	ug/l 100
34) Benzene	6.14	78	362585	21.105	ug/l 100
35) Methacrylonitrile	5.06	41	69794	20.652	ug/l 100
36) 1,2-Dichloroethane	6.20	62	122942	20.795	ug/l 100
37) Trichloroethene	7.21	130	104177	20.653	ug/l 100
38) Methylcyclohexane	7.46	83	131771	18.928	ug/l 100
39) 1,2-Dichloropropane	7.52	63	89893	20.852	ug/l 100
40) Dibromomethane	7.66	93	66367	21.242	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	111926	20.466	ug/l	100
42) Vinyl Acetate	3.82	43	1210097	106.412	ug/l	100
43) Ethyl Acetate	4.86	43	132173	21.223	ug/l	100
44) Isopropyl Acetate	6.46	43	195898	20.232	ug/l	100
45) 1,4-Dioxane	7.75	88	48084	413.071	ug/l	100
46) Methyl methacrylate	7.77	41	100127	20.343	ug/l	100
47) n-amyl Acetate	10.90	43	172164	20.298	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	111884	18.992	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	129367	19.735	ug/l	100
50) 1,1,2-Trichloroethane	9.21	97	96273	20.717	ug/l	100
51) Ethyl methacrylate	9.18	69	138062	20.725	ug/l	100
52) 1,3-Dichloropropane	9.37	76	155449	20.853	ug/l	100
53) Dibromochloromethane	9.59	129	94415	20.060	ug/l	100
54) 1,2-Dibromoethane	9.67	107	104266	20.886	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	347994	97.205	ug/l	100
56) Bromoform	10.85	173	69975	19.549	ug/l	100
58) 4-Methyl-2-Pentanone	8.65	43	679733	107.142	ug/l	100
59) 2-Hexanone	9.49	43	512864	105.456	ug/l	100
61) Tetrachloroethene	9.34	164	105131	20.321	ug/l	100
62) Toluene	8.79	91	401668	21.008	ug/l	100
64) Chlorobenzene	10.14	112	262493	20.835	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	93426	20.814	ug/l	100
66) Ethyl Benzene	10.25	91	420568	20.430	ug/l	100
67) m/p-Xylenes	10.36	106	327629	40.414	ug/l	100
68) o-Xylene	10.70	106	160780	20.239	ug/l	100
69) Styrene	10.71	104	257249	20.065	ug/l	100
70) Isopropylbenzene	11.02	105	423533	20.177	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	143978	21.185	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	132091m	20.846	ug/l	100
73) Bromobenzene	11.26	156	116233	20.012	ug/l	100
74) n-propylbenzene	11.36	91	468101	19.877	ug/l	100
75) 2-Chlorotoluene	11.42	91	281347	20.116	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	344815	19.766	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	34131	18.402	ug/l	100
78) 4-Chlorotoluene	11.51	91	315073	19.462	ug/l	100
79) tert-butylbenzene	12.06	119	364375	19.342	ug/l	100
80) 1,2,4-Trimethylbenzene	11.80	105	352646	19.965	ug/l	100
81) sec-Butylbenzene	11.94	105	411507	19.616	ug/l	100
82) p-Isopropyltoluene	12.06	119	364375	19.342	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	203903	19.809	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	204264	19.861	ug/l	100
85) n-Butylbenzene	12.39	91	292162	18.159	ug/l	100
86) Hexachloroethane	12.60	117	58561	19.691	ug/l	100
87) 1,2-Dichlorobenzene	12.39	146	205710	20.007	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.00	75	28133	20.257	ug/l	100
89) 1,2,4-Trichlorobenzene	13.65	180	129875	18.585	ug/l	100
90) Hexachlorobutadiene	13.78	225	61342	18.434	ug/l	100
91) Naphthalene	13.83	128	421328	19.722	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	132415	19.088	ug/l	100

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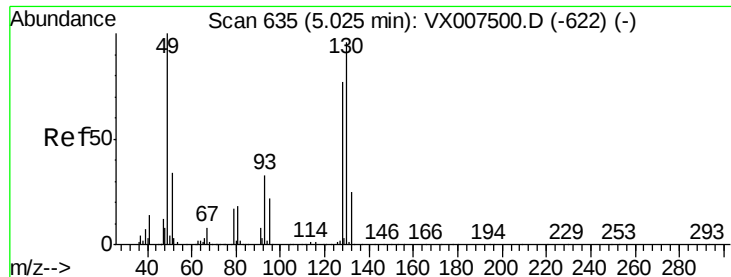
Manual Integrations
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2/13/2019 11:52:40 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.03 min Scan# 635

Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Instrument :

MSVOA_X

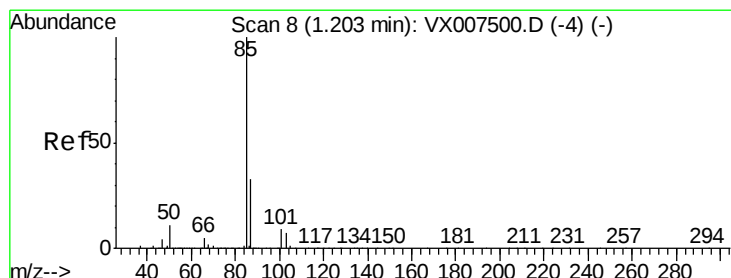
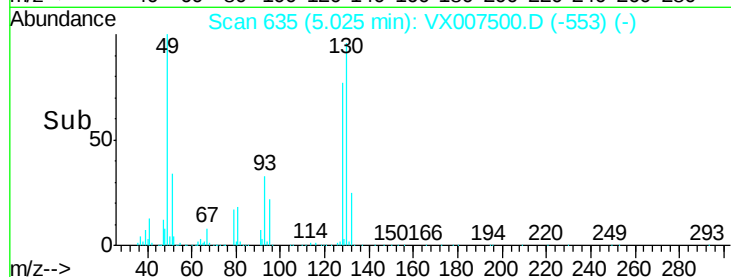
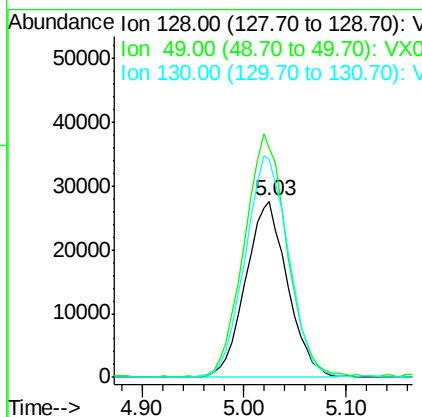
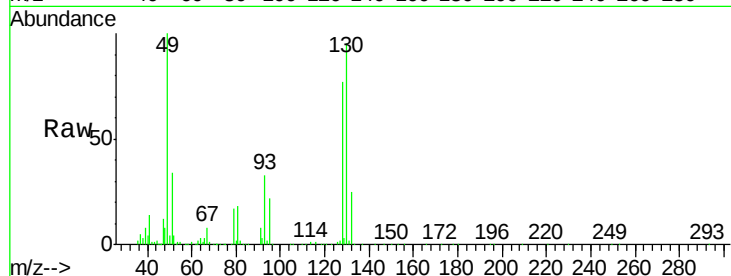
ClientSampleId :

VSTDICCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	140.3	0.0	350.8
130	130.3	0.0	325.8

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#2

Dichlorodifluoromethane

Concen: 21.426 ug/l

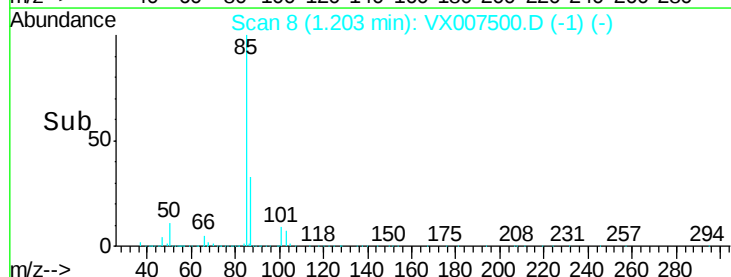
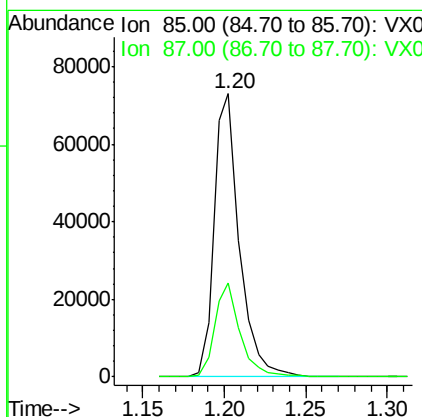
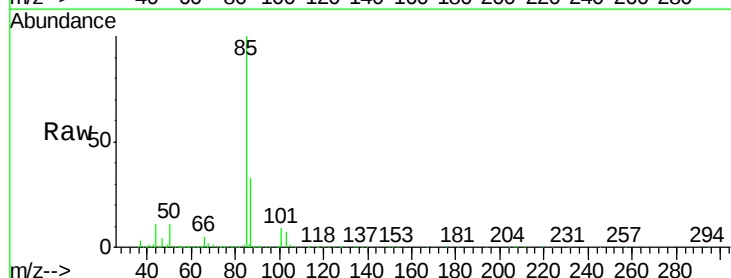
RT: 1.20 min Scan# 8

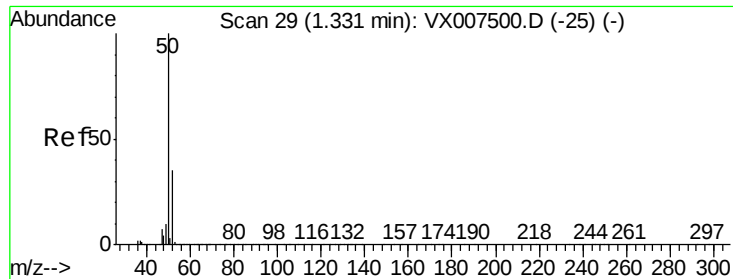
Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.2	16.6	49.8





#3

Chloromethane

Concen: 21.566 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 50 Resp: 88300

Ion Ratio Lower Upper

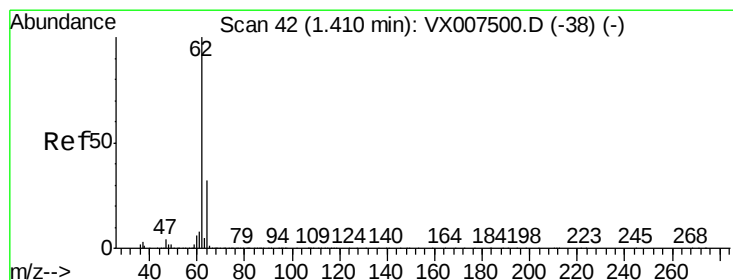
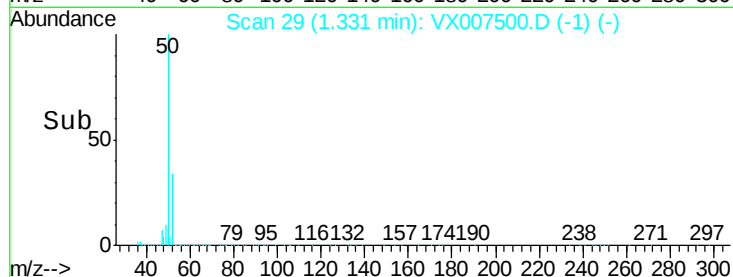
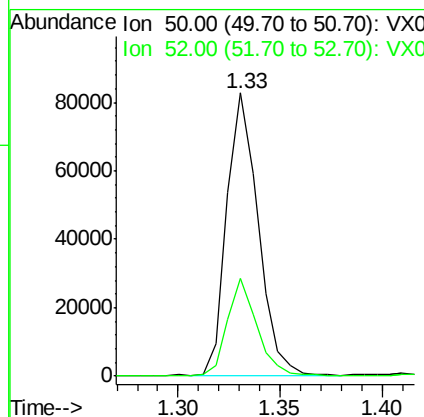
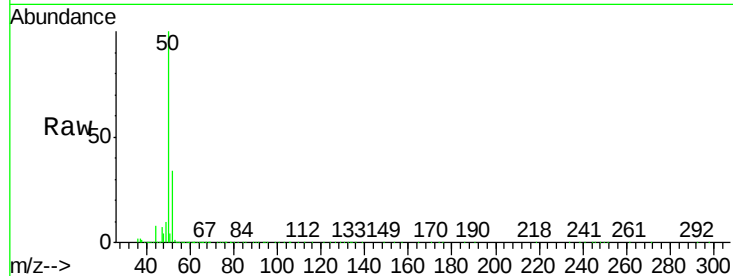
50 100

52 34.4 27.5 41.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.914 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007500.D

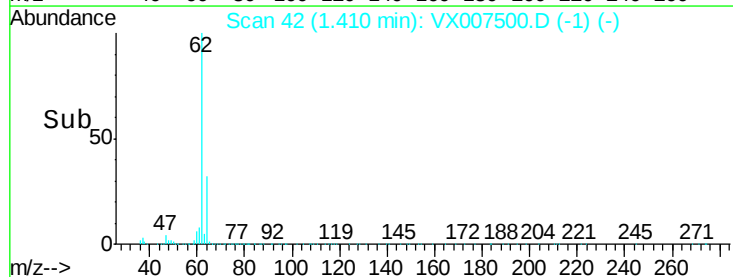
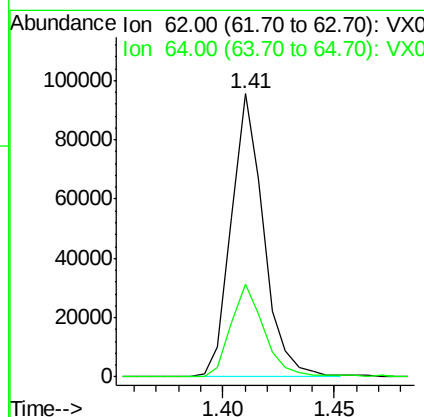
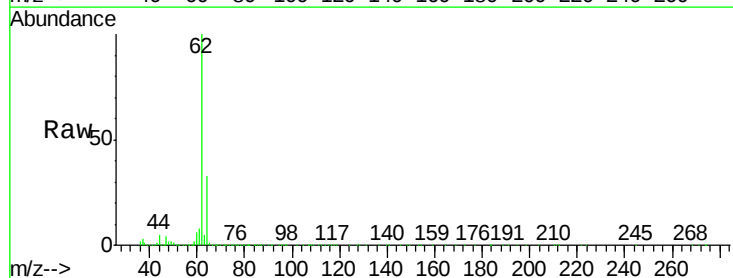
Acq: 12 Feb 2019 23:02

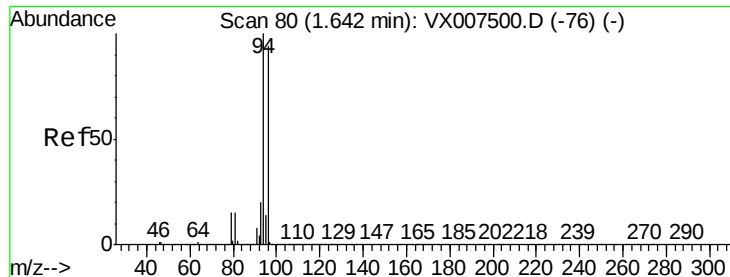
Tgt Ion: 62 Resp: 96423

Ion Ratio Lower Upper

62 100

64 32.4 25.9 38.9





#5

Bromomethane

Concen: 16.834 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 94 Resp: 76948

Ion Ratio Lower Upper

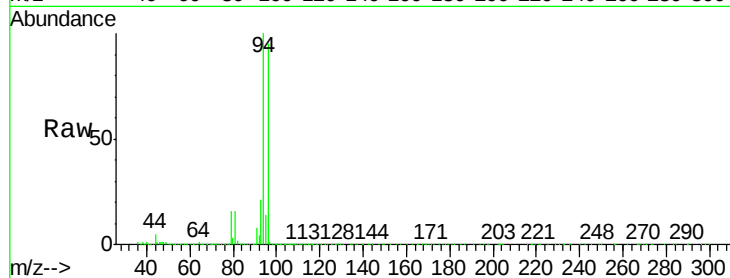
94 100

96 94.5 75.6 113.4

Manual Integrations
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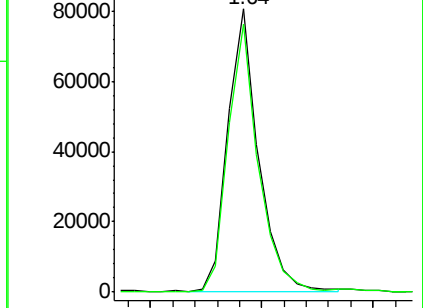
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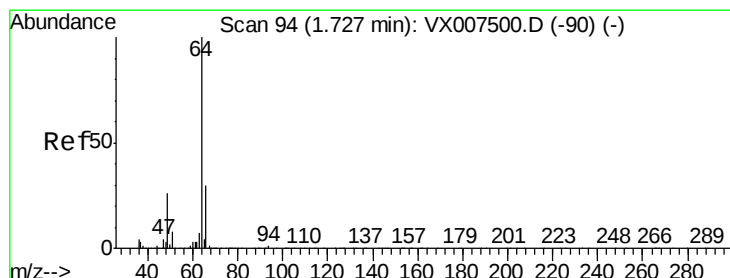
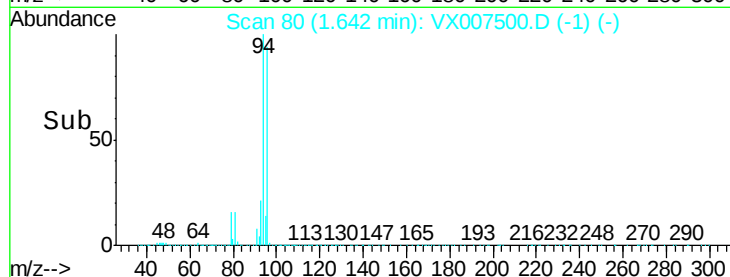


Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



Time-->



#6

Chloroethane

Concen: 20.251 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.00 min

Lab File: VX007500.D

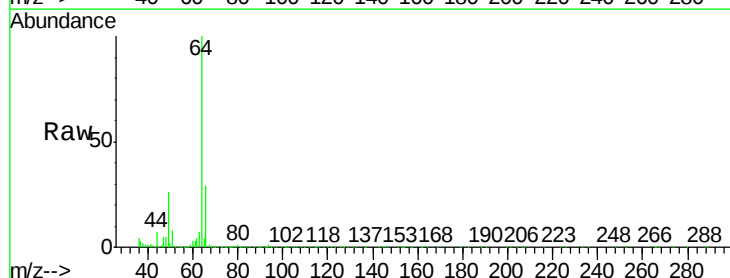
Acq: 12 Feb 2019 23:02

Tgt Ion: 64 Resp: 62847

Ion Ratio Lower Upper

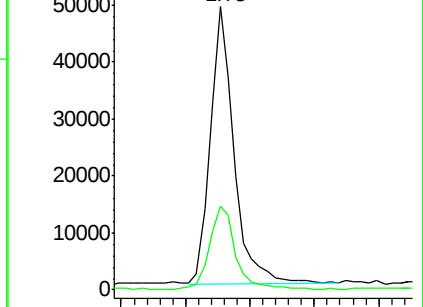
64 100

66 29.9 23.9 35.9

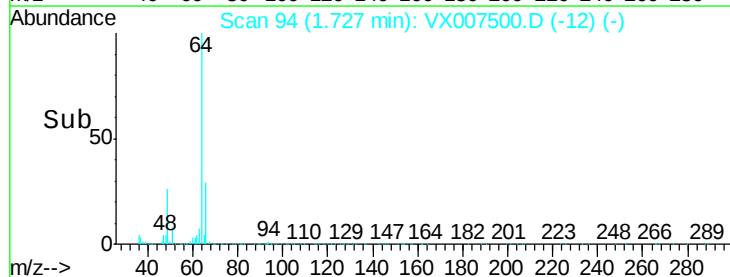


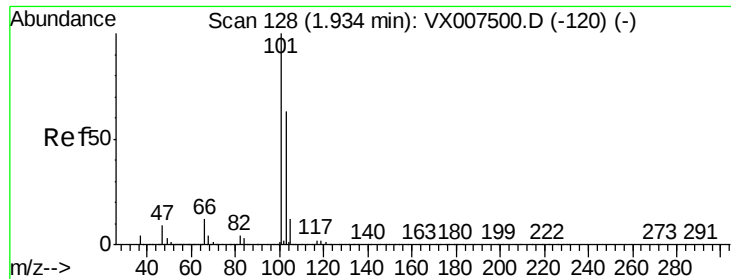
Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



Time-->





#7

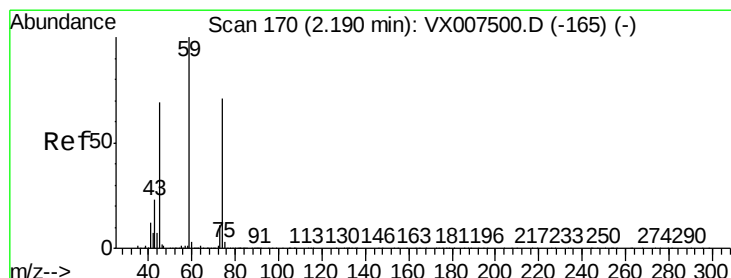
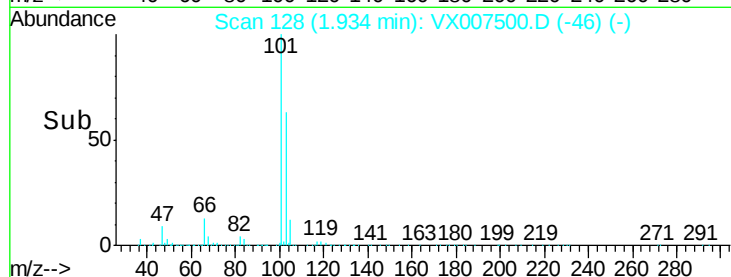
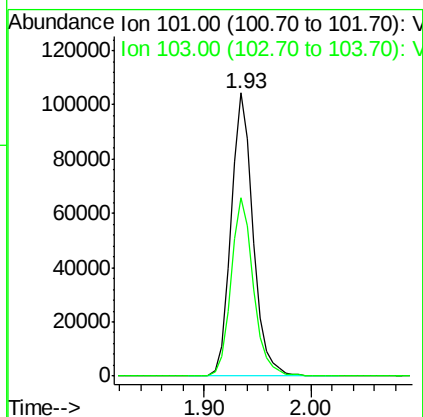
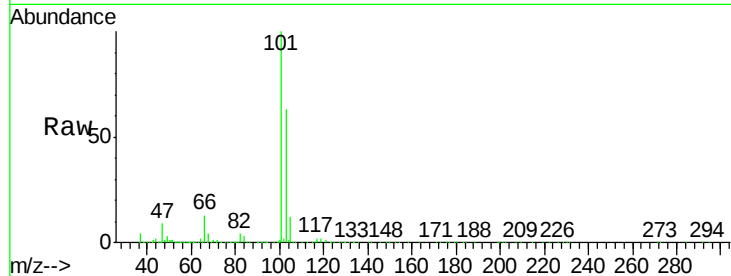
Trichlorofluoromethane
Concen: 19.742 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.00 min
Lab File: VX007500.D
Acq: 12 Feb 2019 23:02

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	50.4	75.6

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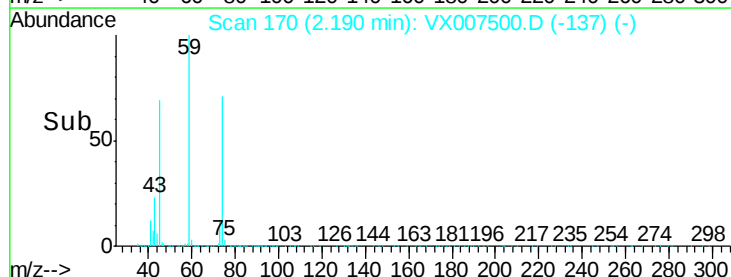
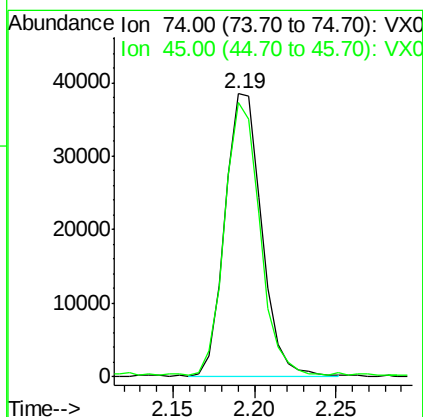
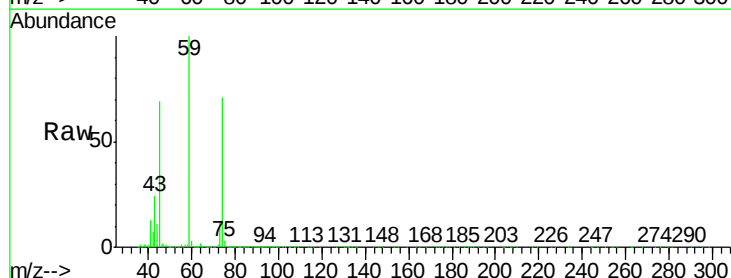
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2/13/2019 11:52:40 AM

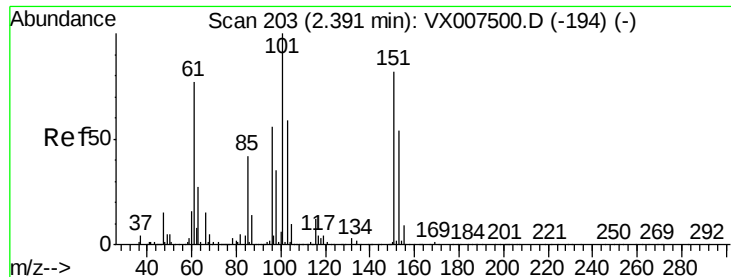


#8

Diethyl Ether
Concen: 20.557 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007500.D
Acq: 12 Feb 2019 23:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.3	18.6	167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.805 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Instrument :

MSVOA_X

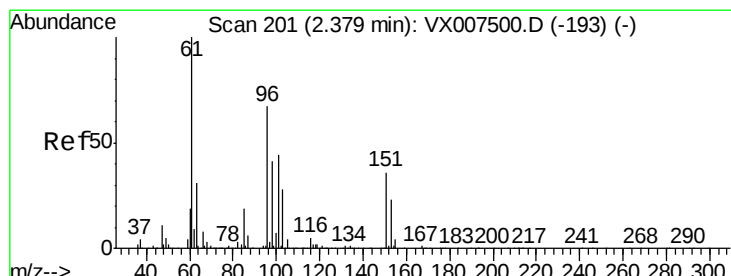
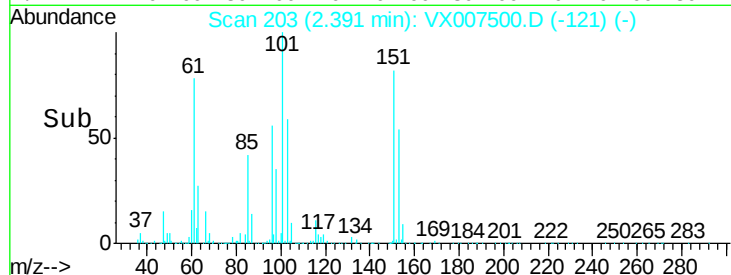
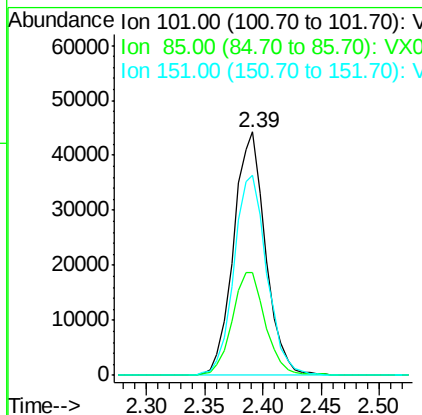
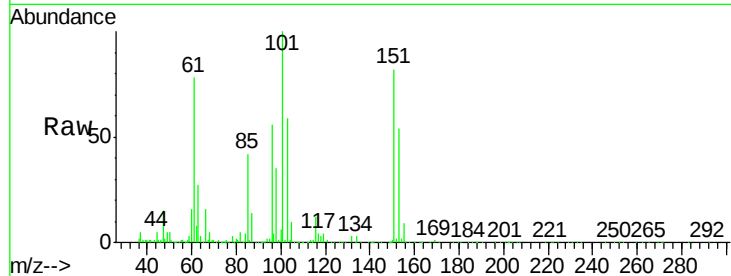
ClientSampleId :

VSTDICCC020

Tot Ion:	101	Resp:	84726
Ion Ratio	Lower	Upper	
101	100		
85	43.4	0.0	86.8
151	84.6	0.0	169.2

Manual Integrations
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2/13/2019 11:52:40 AM



#10

1,1-Dichloroethene

Concen: 20.527 ug/l

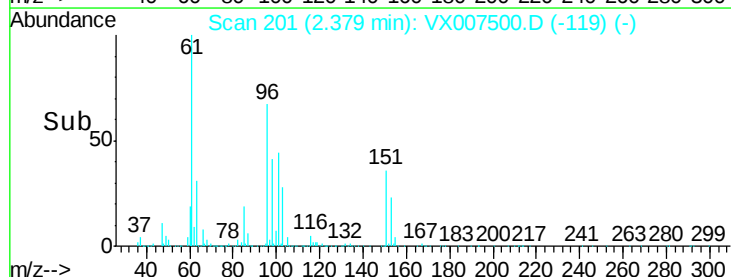
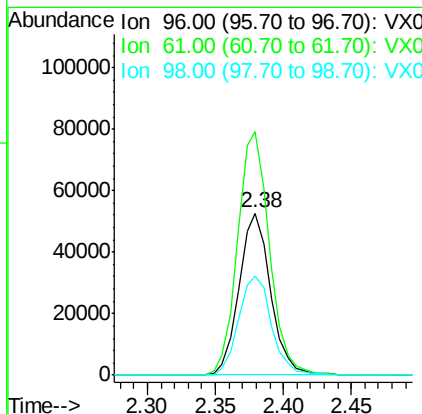
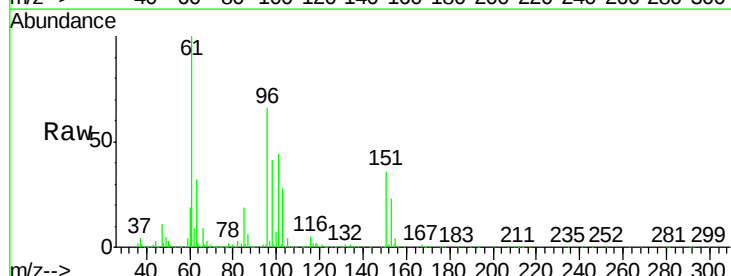
RT: 2.38 min Scan# 201

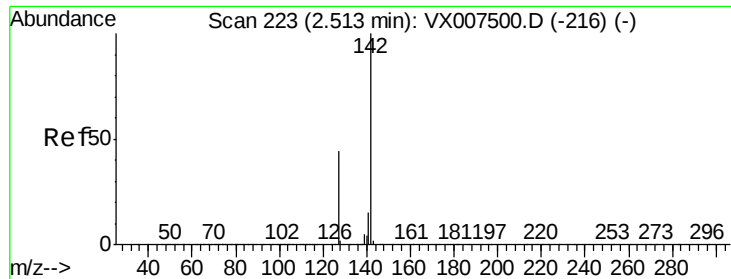
Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Tgt Ion:	96	Resp:	85383
Ion Ratio	Lower	Upper	
96	100		
61	150.2	120.2	180.2
98	61.2	49.0	73.4





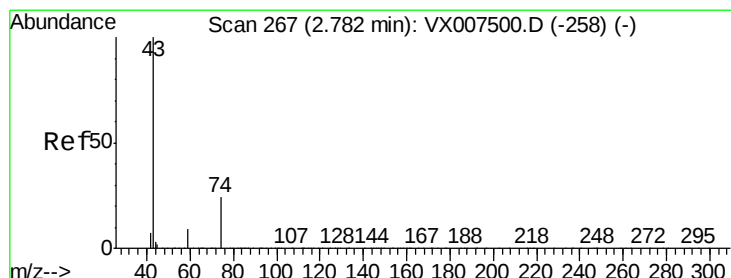
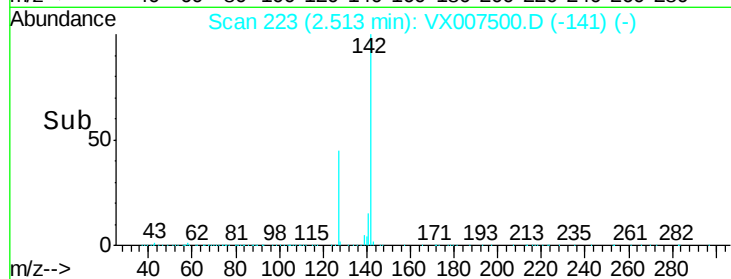
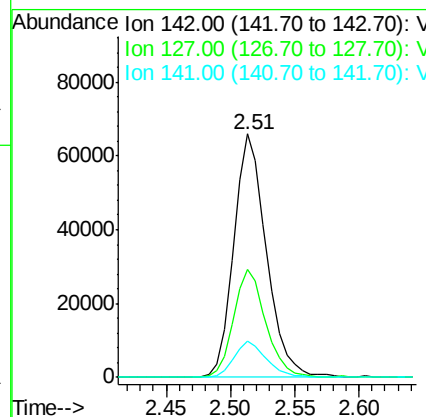
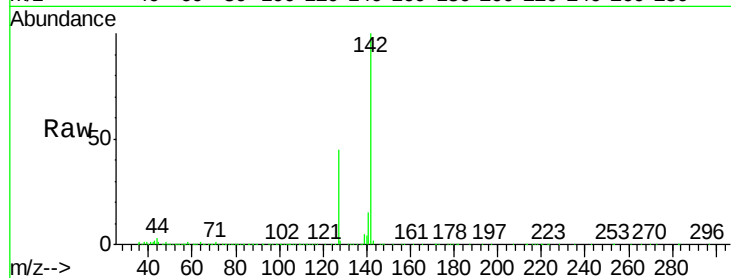
#11
Methvl Iodide
Concen: 17.757 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX007500.D
Acq: 12 Feb 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.3	22.1	66.5
141	14.9	7.4	22.3

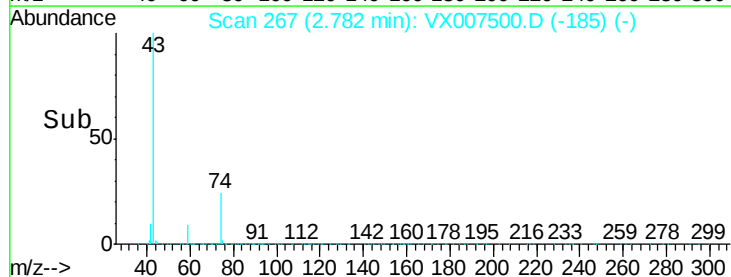
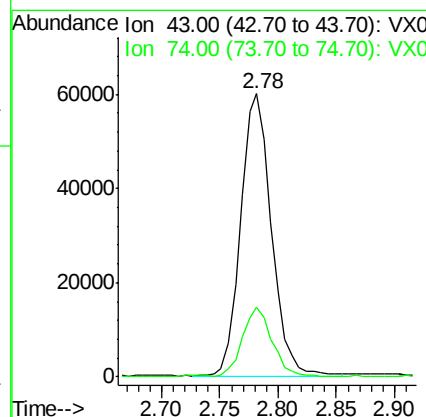
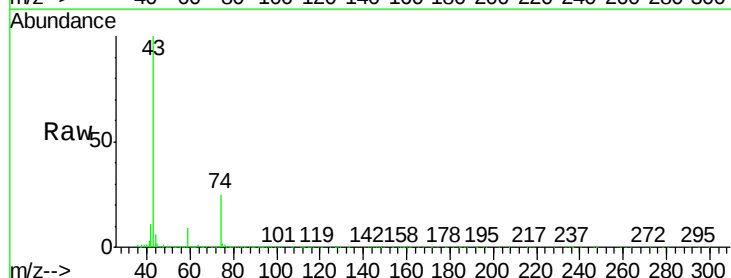
Manual Integrations
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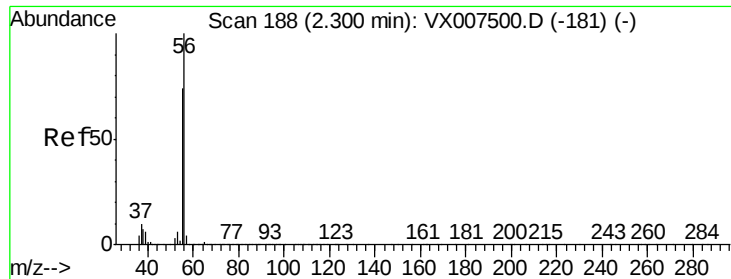
MMDadoda
2/13/2019 11:52:40 AM



#12
Methyl Acetate
Concen: 16.602 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007500.D
Acq: 12 Feb 2019 23:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.4	29.0





#13

Acrolein

Concen: 158.235 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 56 Resp: 96144

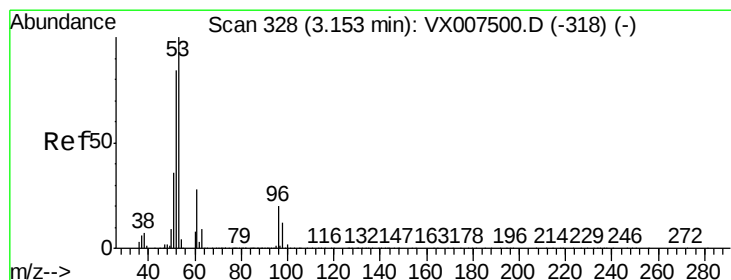
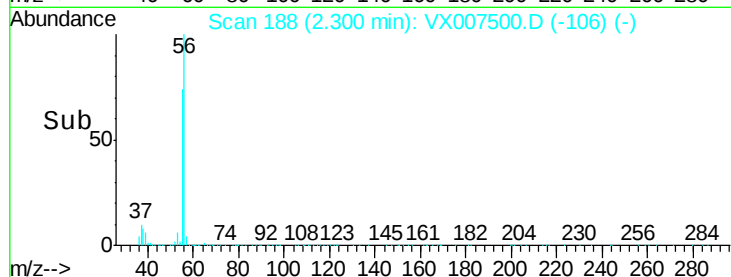
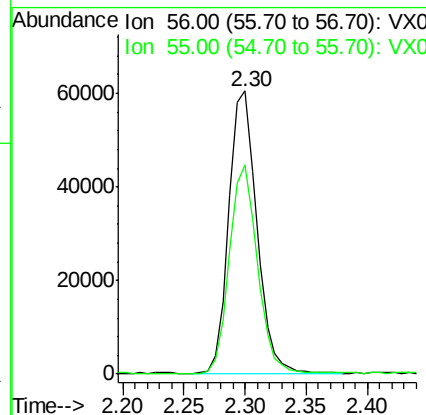
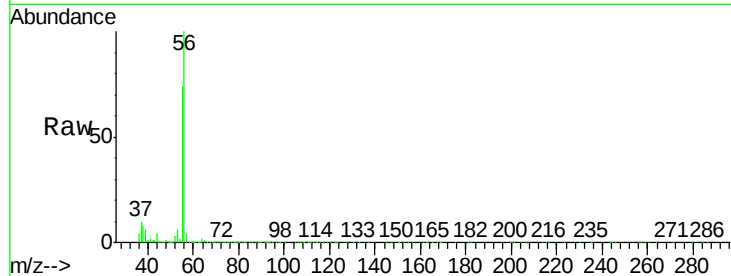
Ion Ratio Lower Upper

56 100

55 73.4 58.6 87.8

Manual Integrations
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#14

Acrylonitrile

Concen: 102.606 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

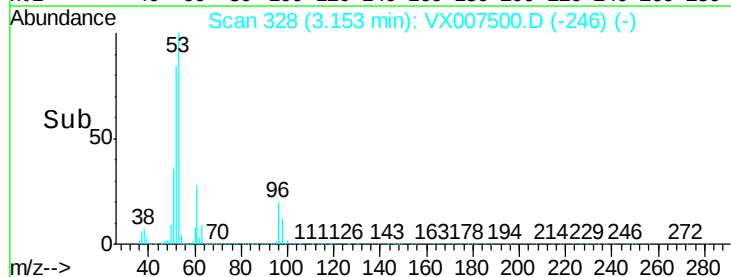
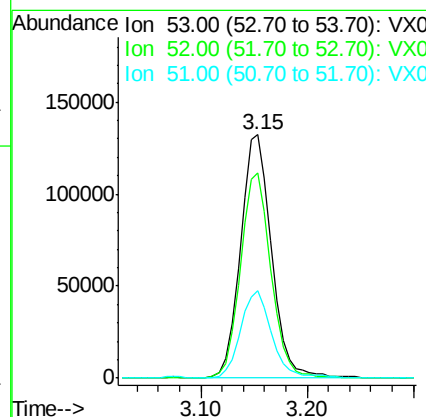
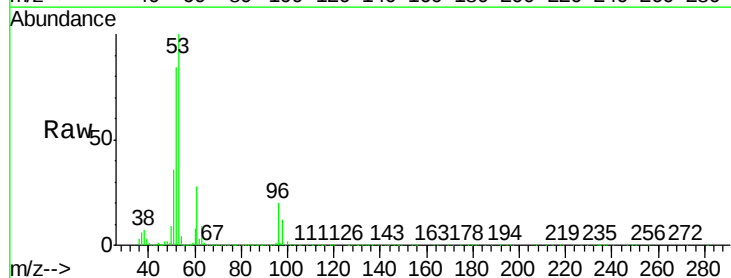
Tgt Ion: 53 Resp: 270366

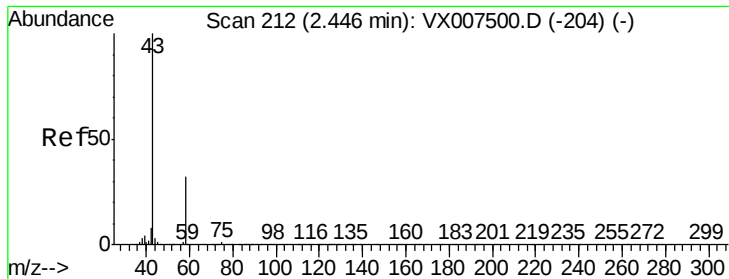
Ion Ratio Lower Upper

53 100

52 82.7 41.3 124.1

51 35.1 17.5 52.6





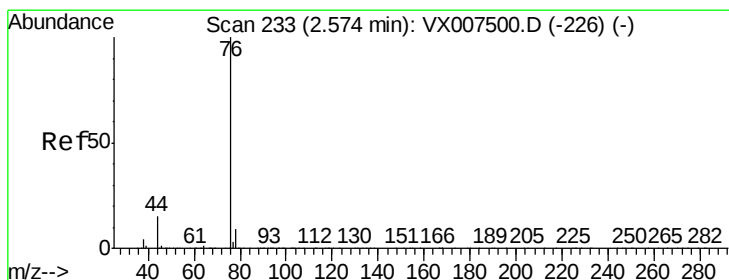
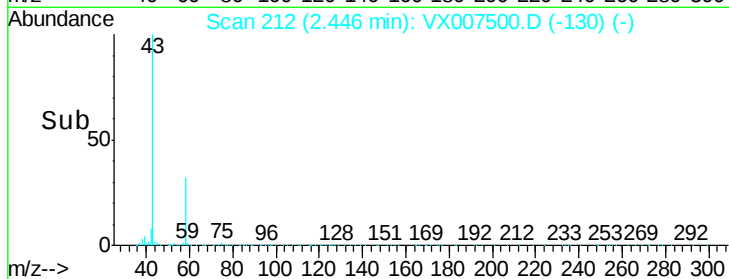
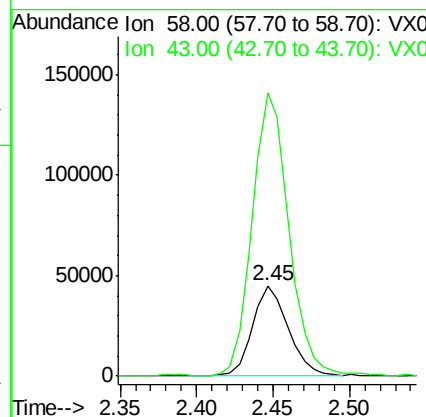
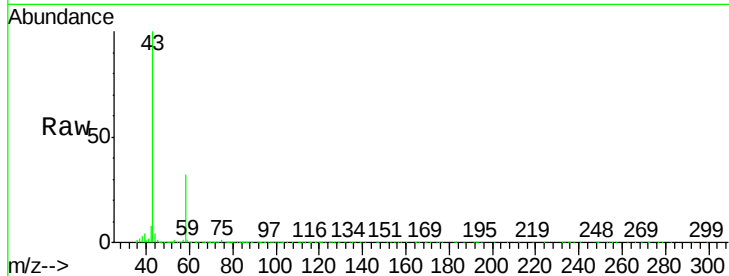
#15
Acetone
Concen: 99.691 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX007500.D
Acq: 12 Feb 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
58	100		
43	312.2	249.8	374.6

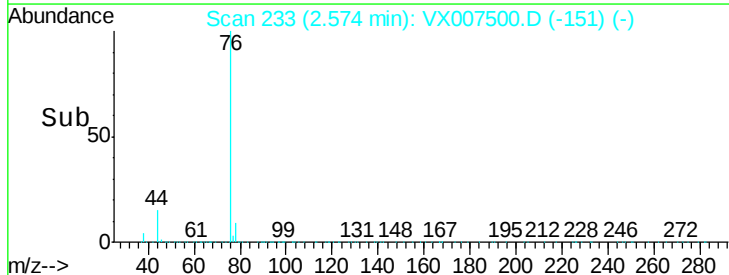
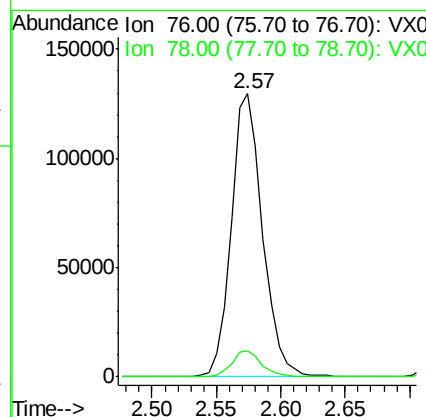
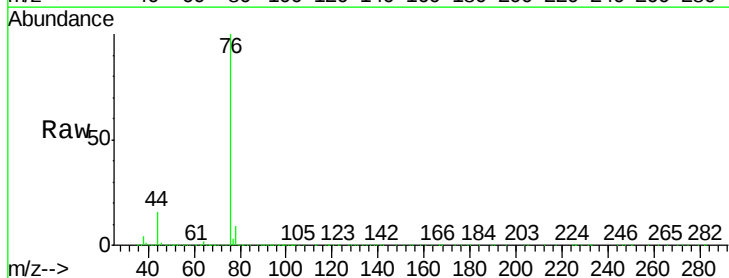
Manual Integrations
APPROVED

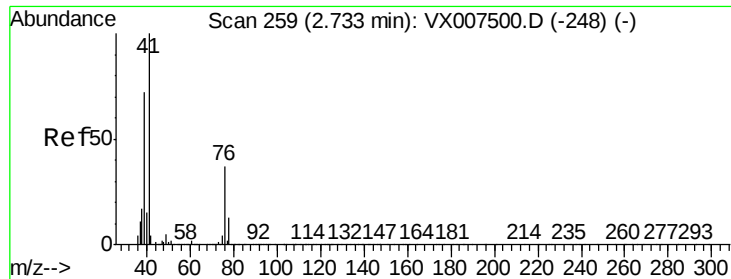
MMDadoda
2/13/2019 11:52:40 AM



#16
Carbon Disulfide
Concen: 21.327 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.00 min
Lab File: VX007500.D
Acq: 12 Feb 2019 23:02

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.5	11.3





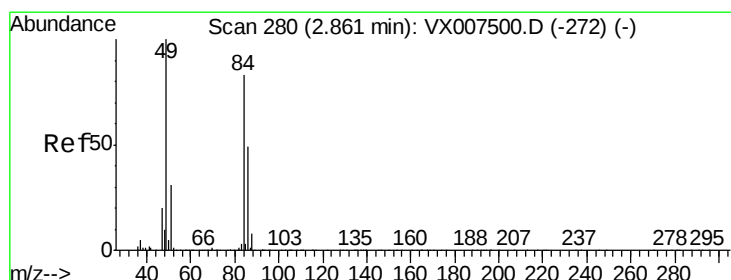
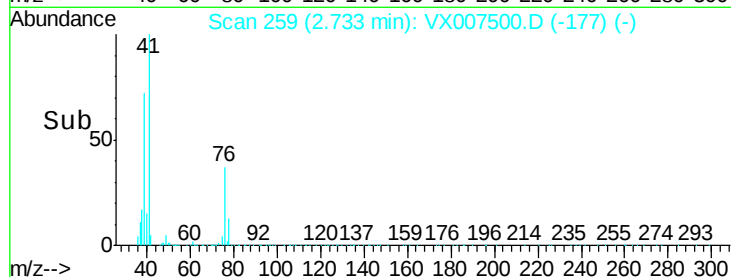
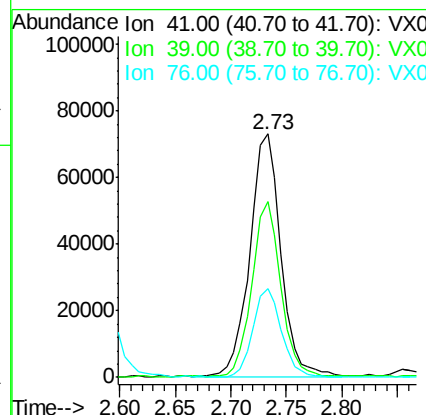
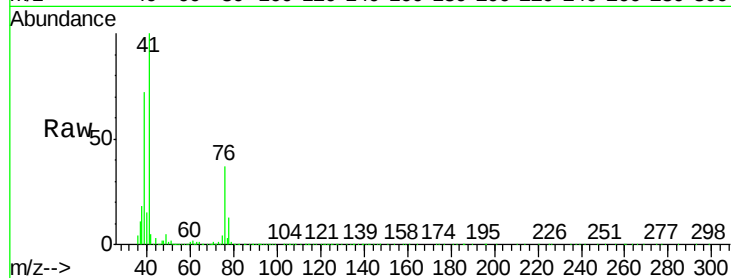
#17
Allvl chloride
Concen: 19.708 ug/l
RT: 2.73 min Scan# 259
Delta R.T. 0.00 min
Lab File: VX007500.D
Acq: 12 Feb 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	71.6	35.8	107.4
76	36.6	18.3	54.9

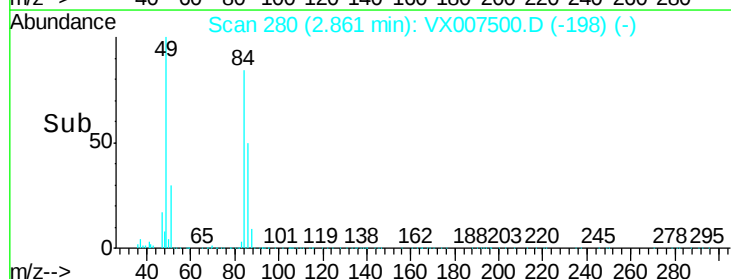
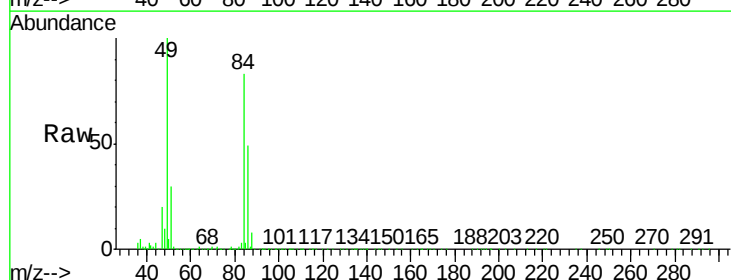
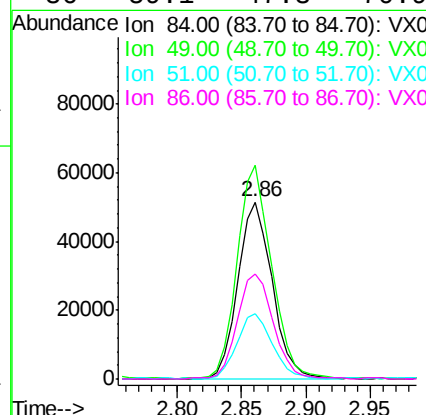
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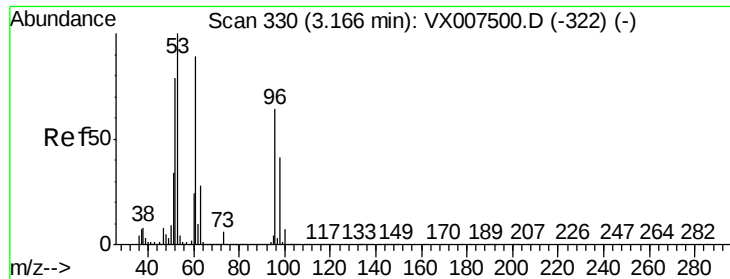
MMDadoda
2/13/2019 11:52:40 AM



#18
Methylene Chloride
Concen: 20.083 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007500.D
Acq: 12 Feb 2019 23:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.1	96.1	144.1
51	36.4	29.1	43.7
86	59.1	47.3	70.9





#19

trans-1,2-Dichloroethene

Concen: 19.835 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Instrument :

MSVOA_X

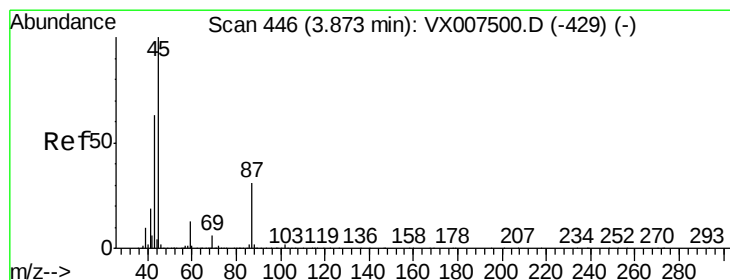
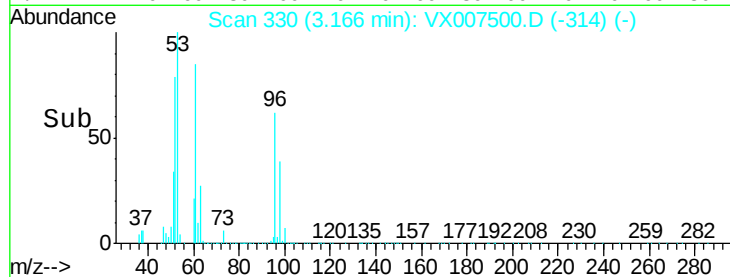
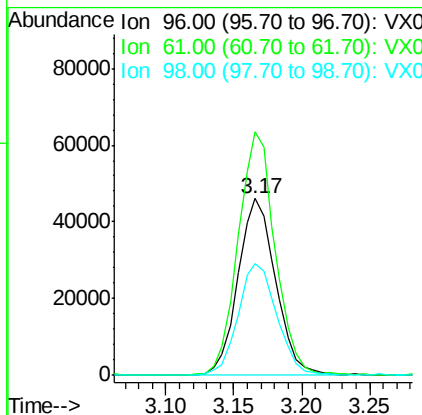
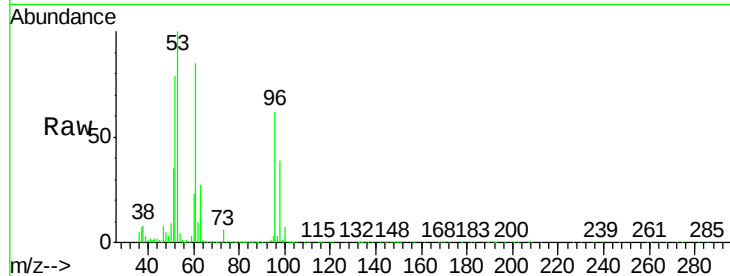
ClientSampleId :

VSTDICCC020

Tot Ion:	96	Resp:	88930
Ion	Ratio	Lower	Upper
96	100		
61	137.4	109.9	164.9
98	63.0	50.4	75.6

Manual Integrations
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2/13/2019 11:52:40 AM



#20

Diisopropyl ether

Concen: 20.514 ug/l

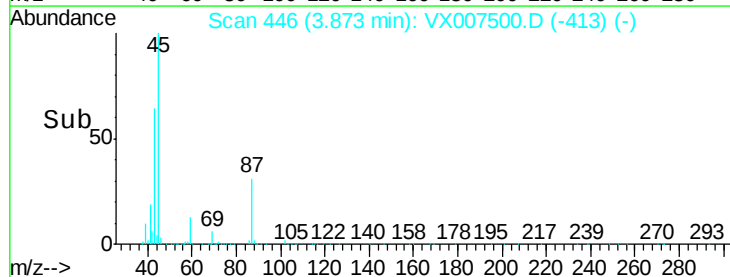
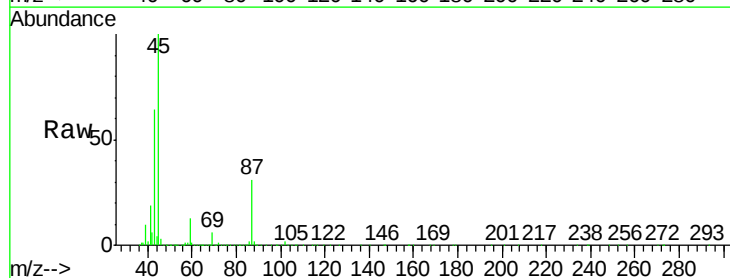
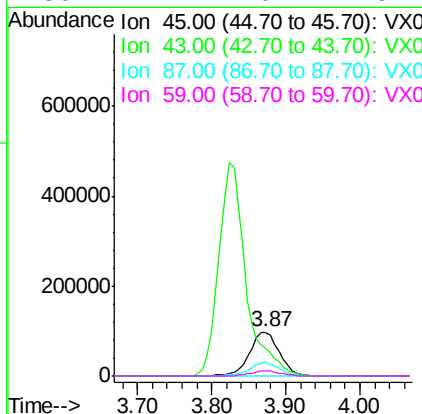
RT: 3.87 min Scan# 446

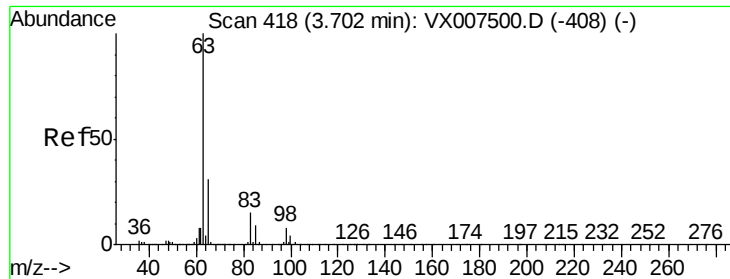
Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Tgt Ion:	45	Resp:	274977
Ion	Ratio	Lower	Upper
45	100		
43	63.3	50.6	76.0
87	30.6	24.5	36.7
59	12.7	10.2	15.2





#21

1,1-Dichloroethane

Concen: 20.205 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Instrument :

MSVOA_X

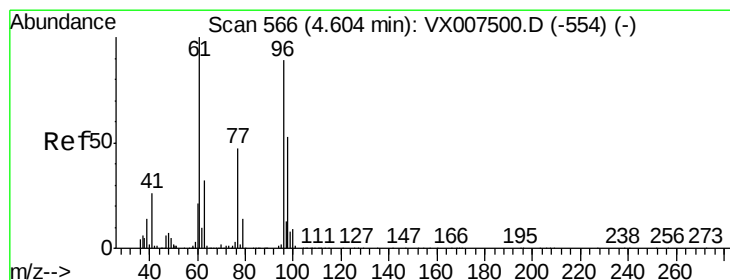
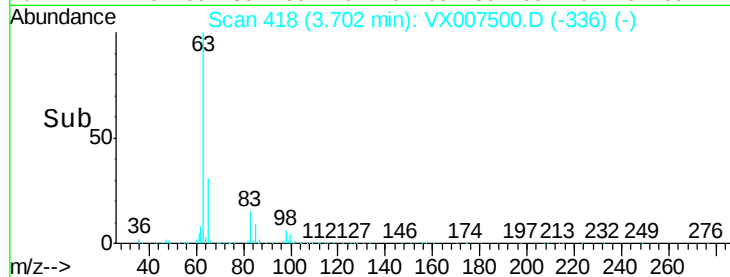
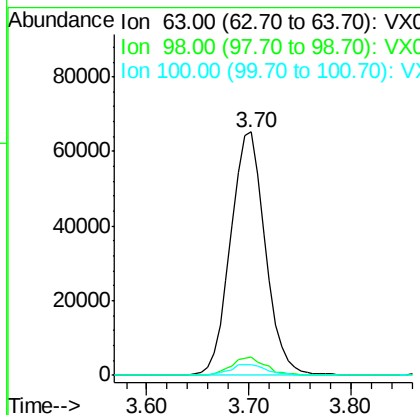
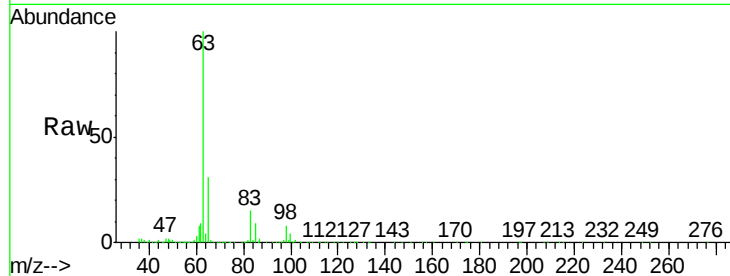
ClientSampleId :

VSTDICCC020

Tot Ion:	63	Resp:	153837
Ion Ratio	Lower	Upper	
63	100		
98	7.6	3.8	11.4
100	4.7	2.4	7.1

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#22

cis-1,2-Dichloroethene

Concen: 20.607 ug/l

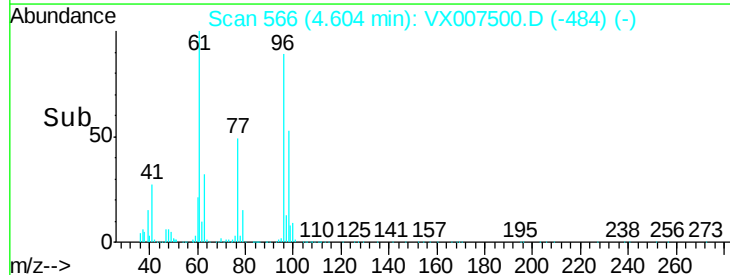
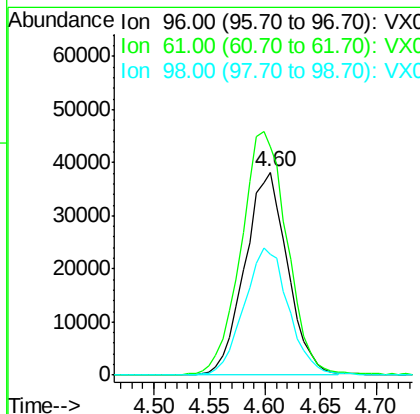
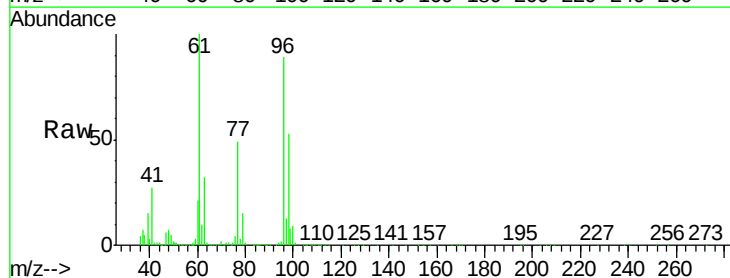
RT: 4.60 min Scan# 566

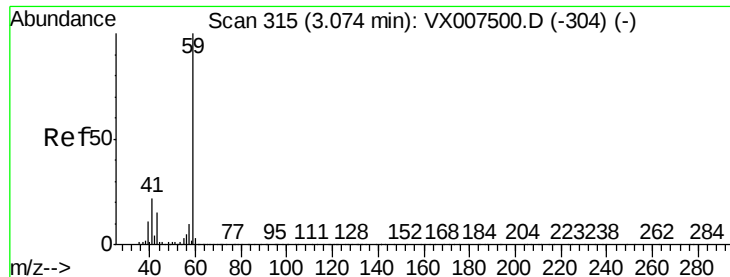
Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Tgt Ion:	96	Resp:	102088
Ion Ratio	Lower	Upper	
96	100		
61	129.4	103.5	155.3
98	65.1	52.1	78.1





#23

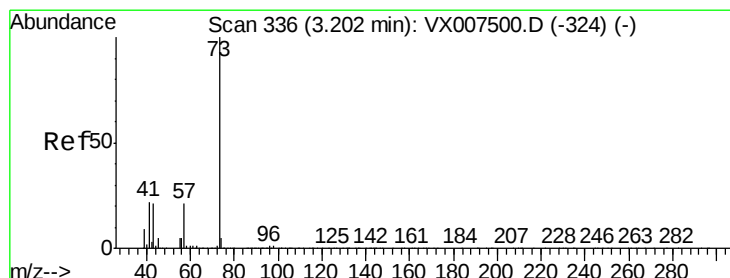
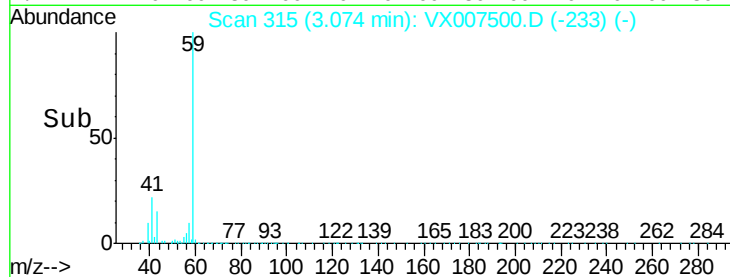
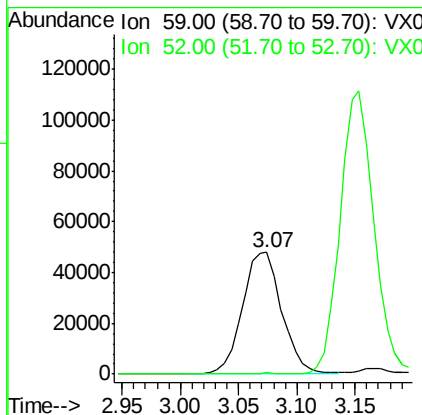
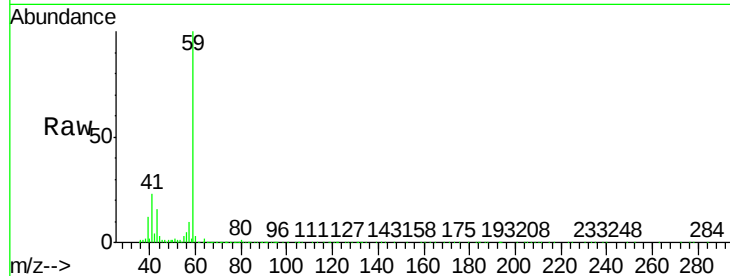
tert-Butyl Alcohol
Concen: 101.716 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX007500.D
Acq: 12 Feb 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.2	0.2

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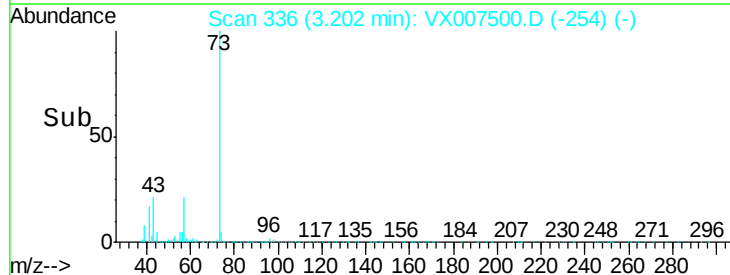
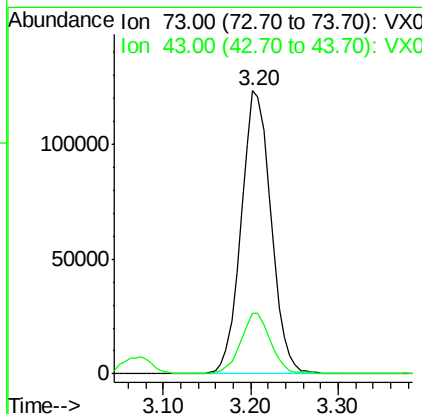
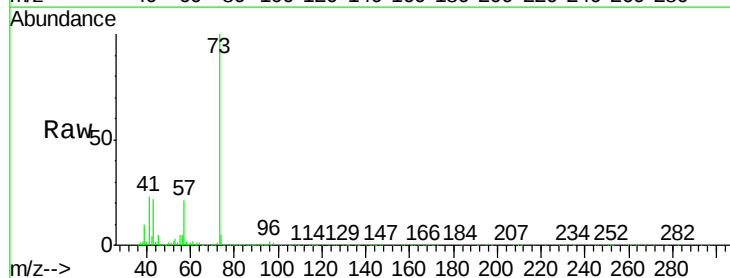
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2/13/2019 11:52:40 AM

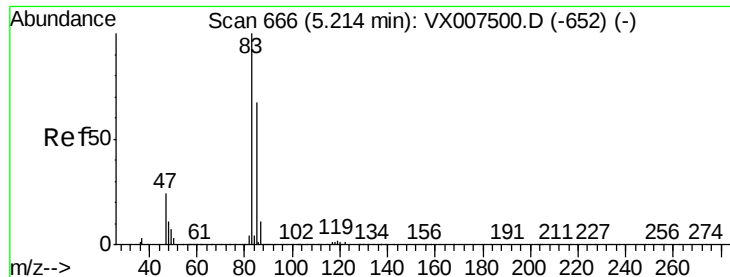


#24

Methyl tert-Butyl Ether
Concen: 20.161 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007500.D
Acq: 12 Feb 2019 23:02

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.4	17.1	25.7





#25

Chloroform

Concen: 20.456 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 83 Resp: 161721

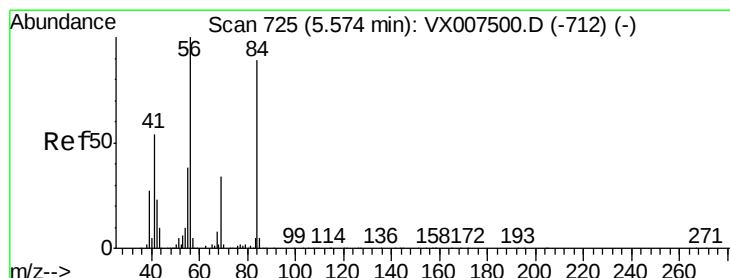
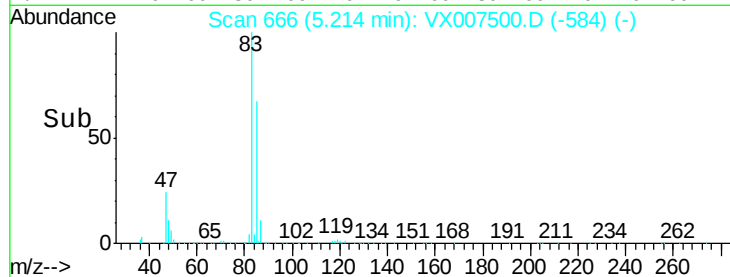
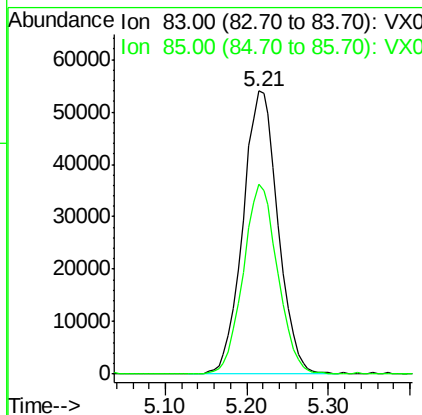
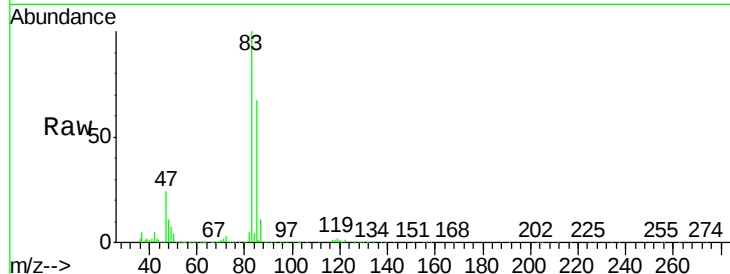
Ion Ratio Lower Upper

83 100

85 67.2 53.8 80.6

Manual Integrations
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#26

Cyclohexane

Concen: 20.121 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

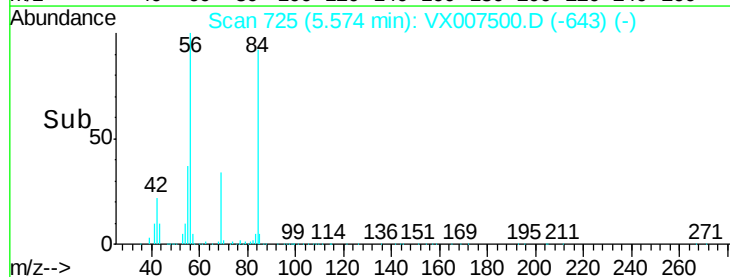
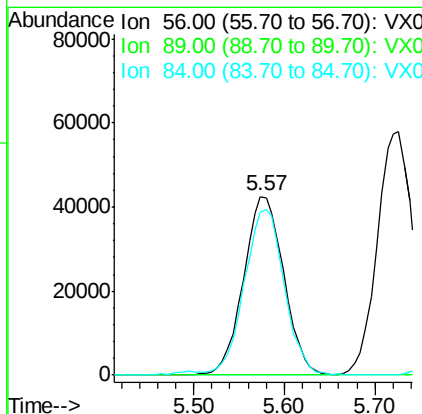
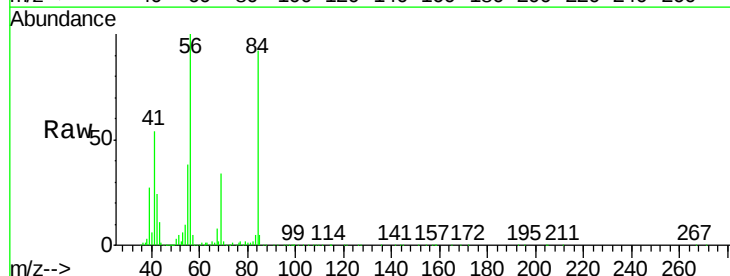
Tgt Ion: 56 Resp: 129964

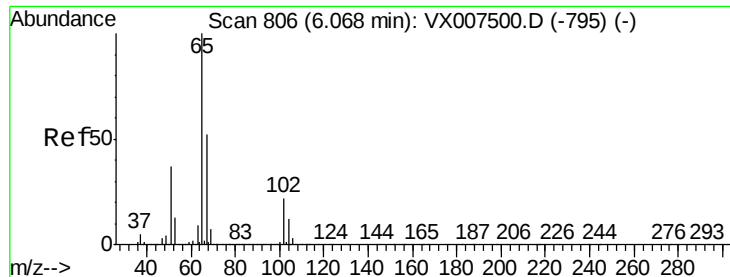
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0#

84 92.3 73.9 110.9





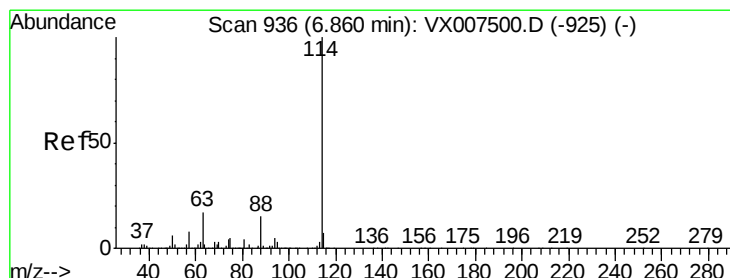
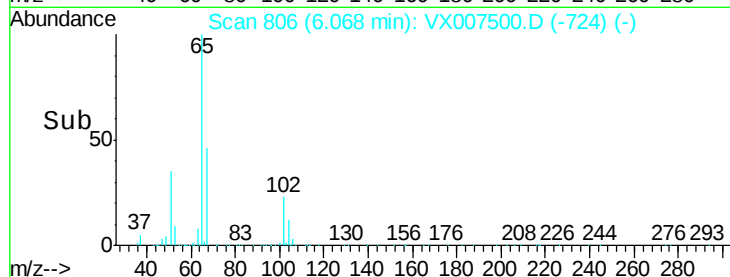
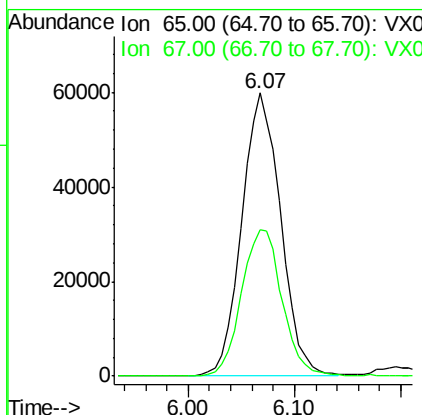
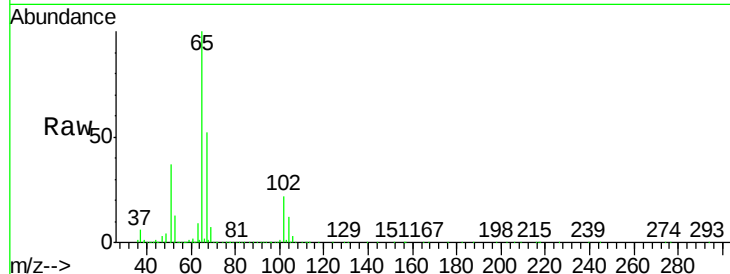
#27
 1,2-Dichloroethane-d4
 Concen: 29.663 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007500.D
 Acq: 12 Feb 2019 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	42.9	64.3

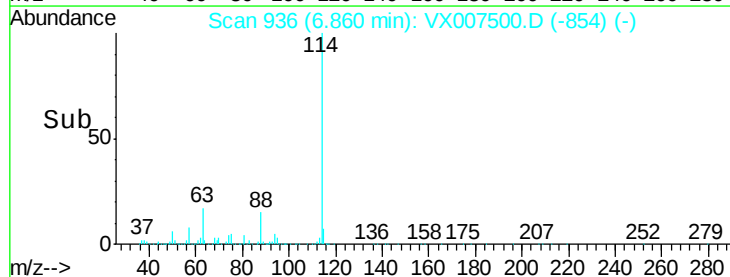
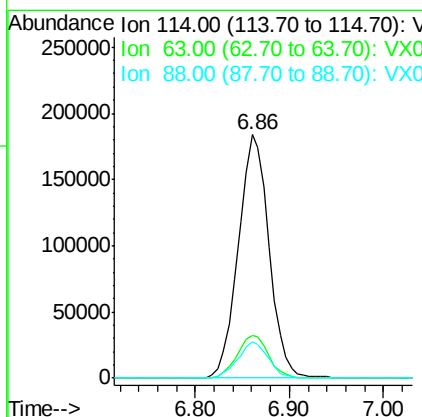
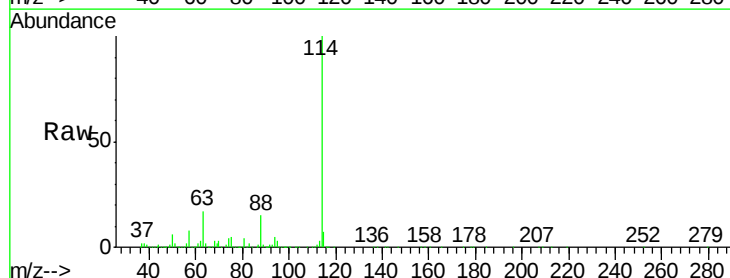
Manual Integrations
 APPROVED

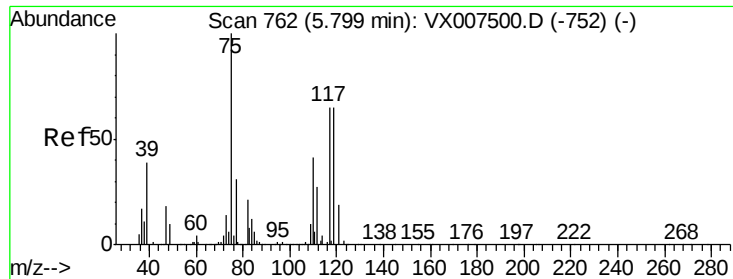
MMDadoda
 2/13/2019 11:52:40 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007500.D
 Acq: 12 Feb 2019 23:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.8	14.2	21.4
88	14.9	11.9	17.9





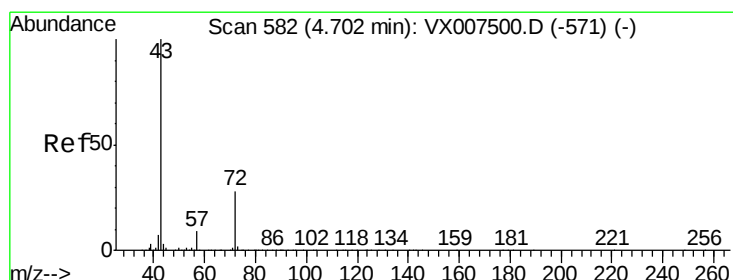
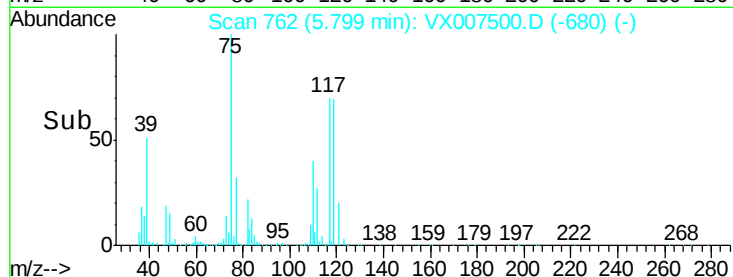
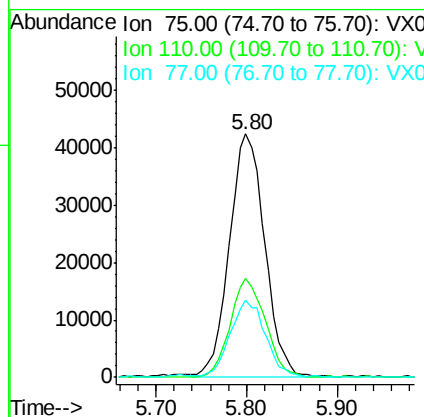
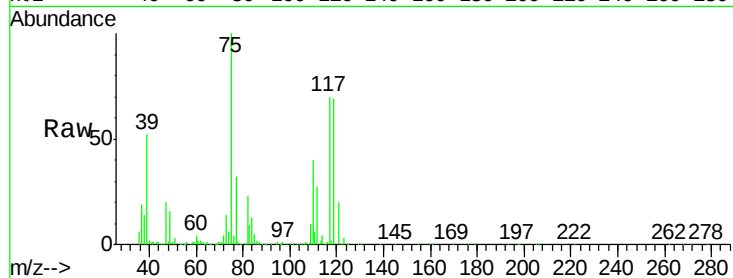
#29
 1,1-Dichloropropene
 Concen: 20.683 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX007500.D
 Acq: 12 Feb 2019 23:02

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	40.4	0.0	80.8	
77	31.2	0.0	62.4	

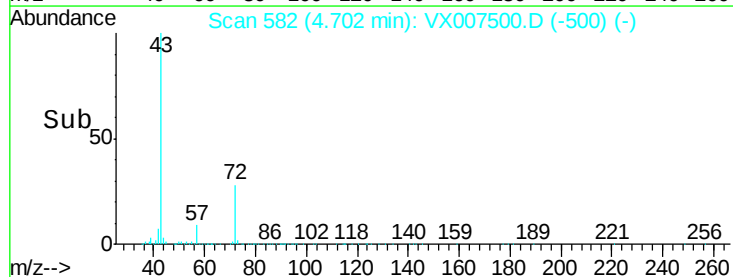
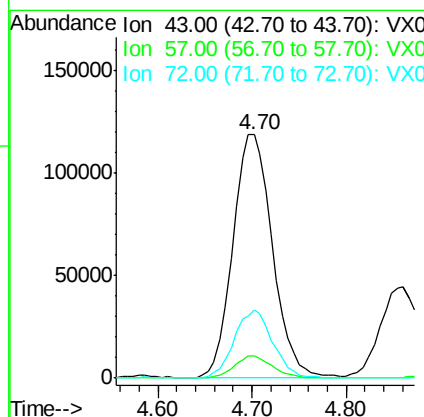
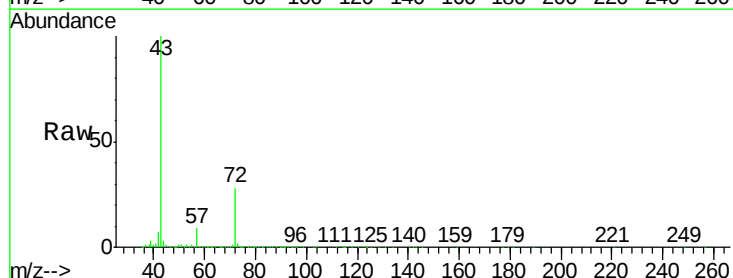
Manual Integrations
 APPROVED

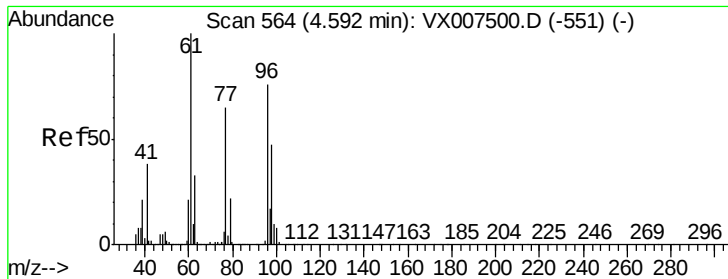
MMDadoda
 2/13/2019 11:52:40 AM



#30
 2-Butanone
 Concen: 105.178 ug/l
 RT: 4.70 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VX007500.D
 Acq: 12 Feb 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	8.8	7.0	10.6	
72	26.9	21.5	32.3	





#31

2,2-Dichloropropane

Concen: 17.152 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 77 Resp: 92673

Ion Ratio Lower Upper

77 100

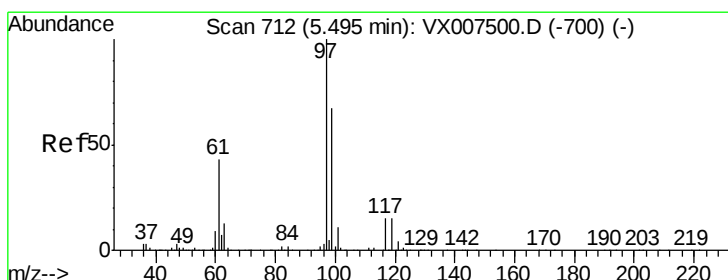
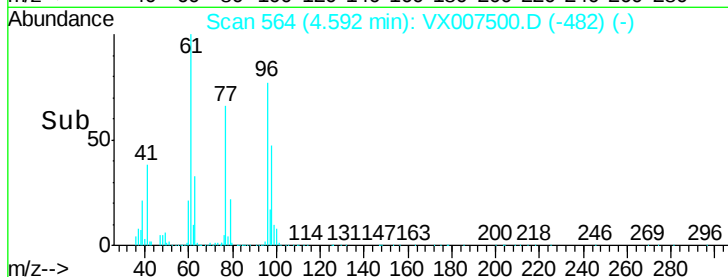
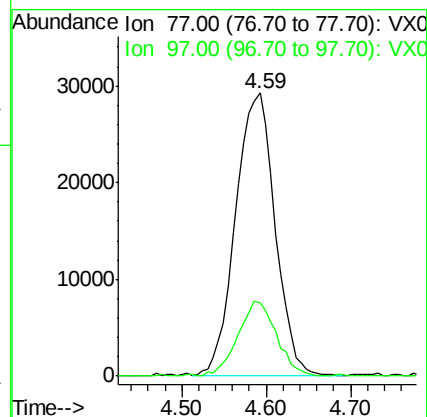
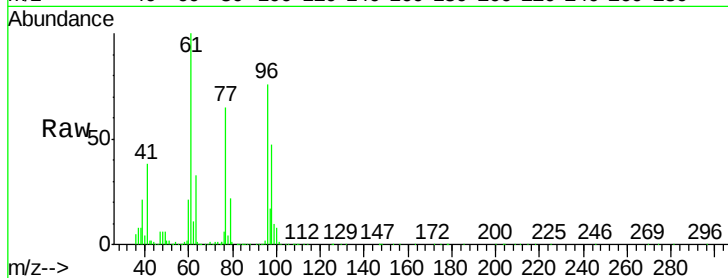
97 25.8 20.6 31.0

Manual Integrations

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MMDadoda

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#32

1,1,1-Trichloroethane

Concen: 20.799 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

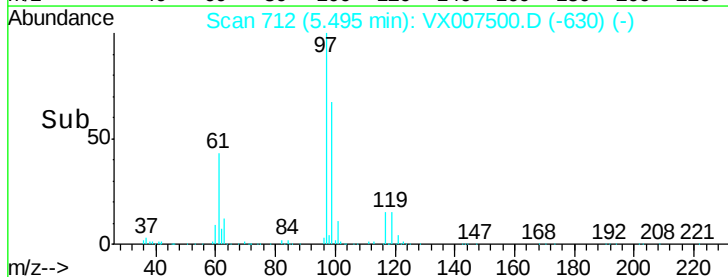
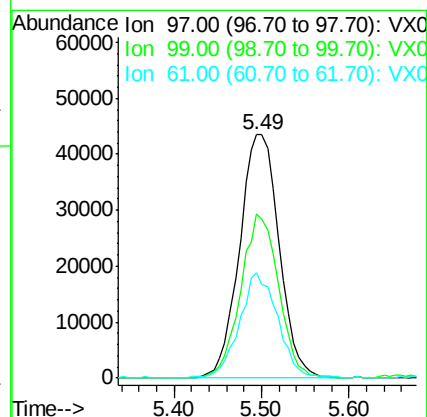
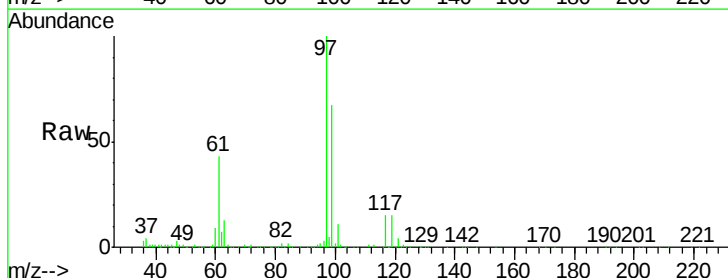
Tgt Ion: 97 Resp: 137130

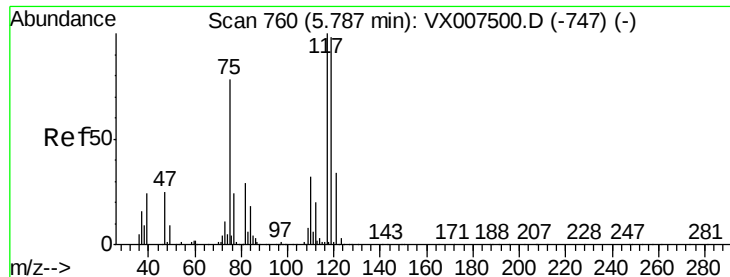
Ion Ratio Lower Upper

97 100

99 64.6 51.7 77.5

61 41.0 32.8 49.2





#33

Carbon Tetrachloride

Concen: 20.248 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Instrument :

MSVOA_X

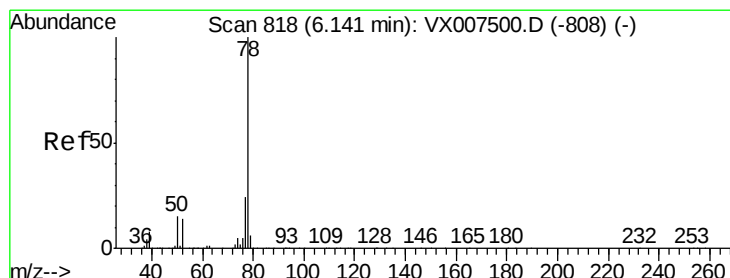
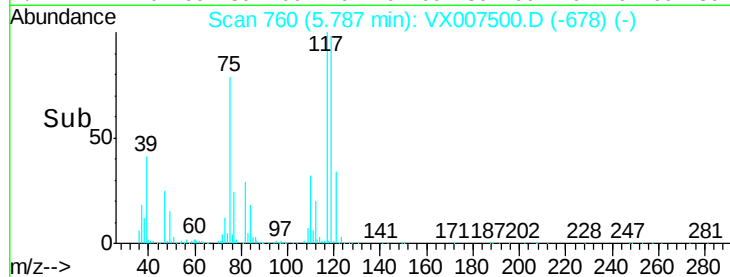
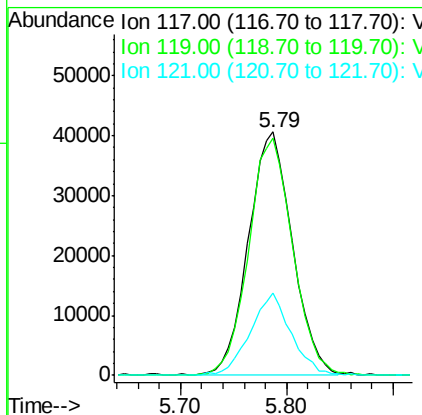
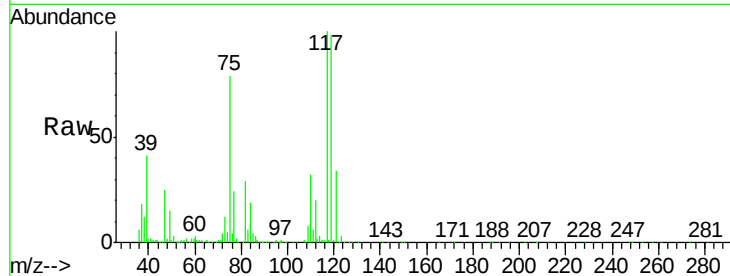
ClientSampled :

VSTDICCC020

Tot Ion:	117	Resp:	117484
Ion Ratio	Lower	Upper	
117	100		
119	97.6	78.1	117.1
121	33.8	27.0	40.6

Manual Integrations
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#34

Benzene

Concen: 21.105 ug/l

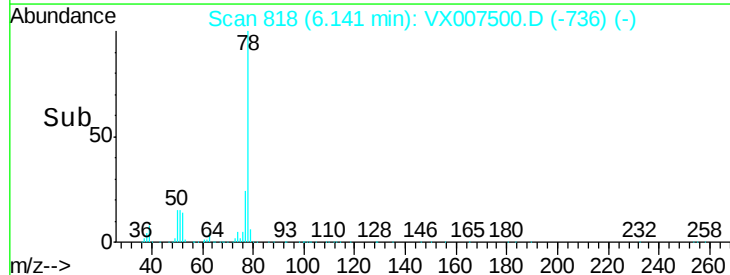
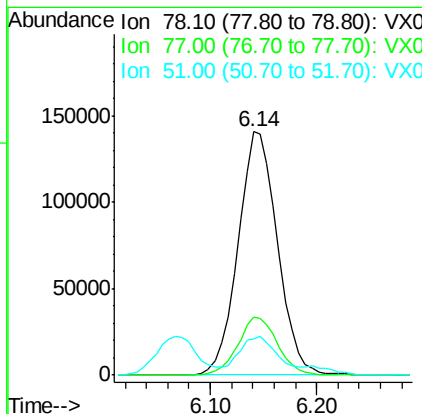
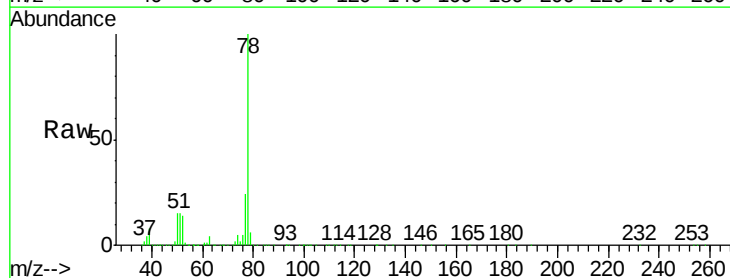
RT: 6.14 min Scan# 818

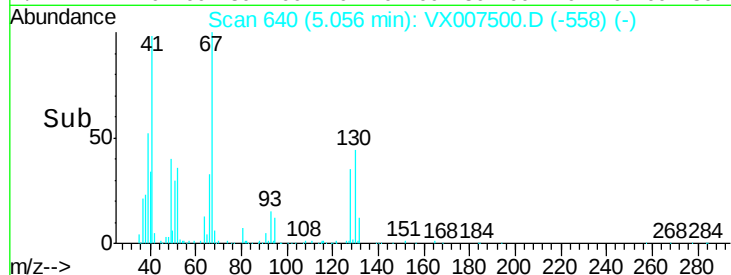
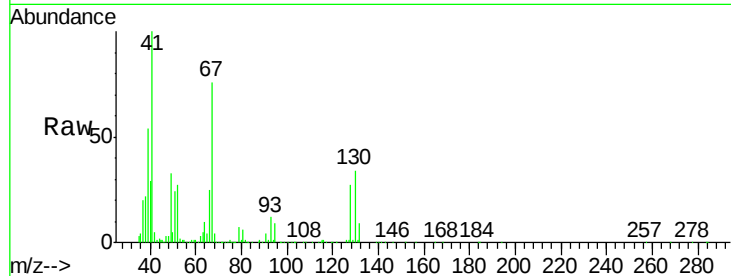
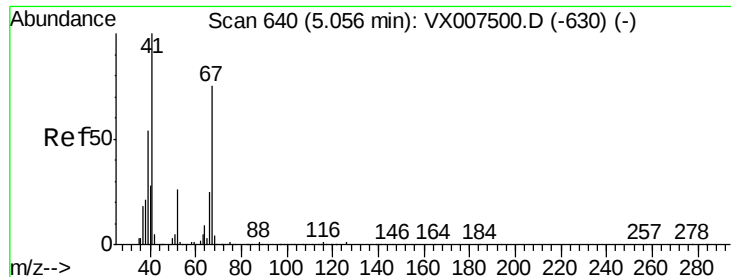
Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

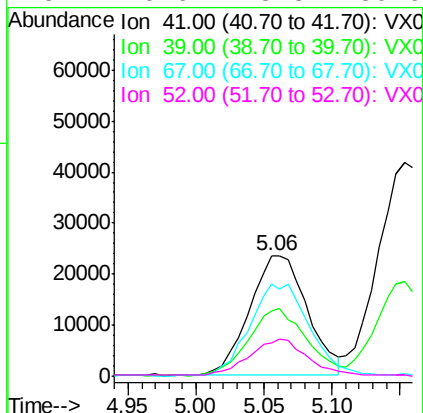
Tgt Ion:	78	Resp:	362585
Ion Ratio	Lower	Upper	
78	100		
77	23.9	19.1	28.7
51	13.5	10.8	16.2





#35
Methacrylonitrile
Concen: 20.652 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX007500.D
Acq: 12 Feb 2019 23:02

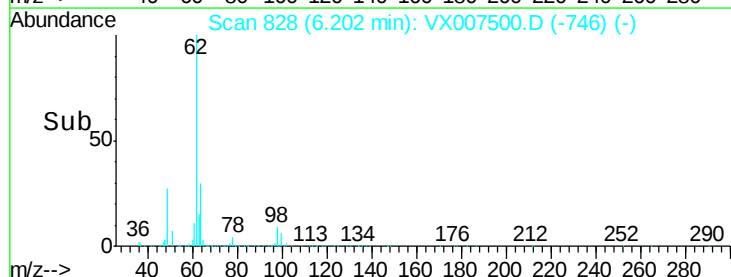
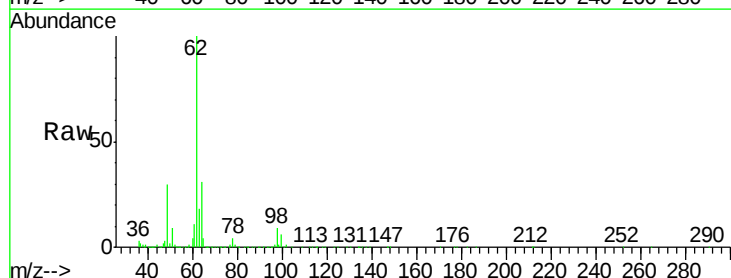
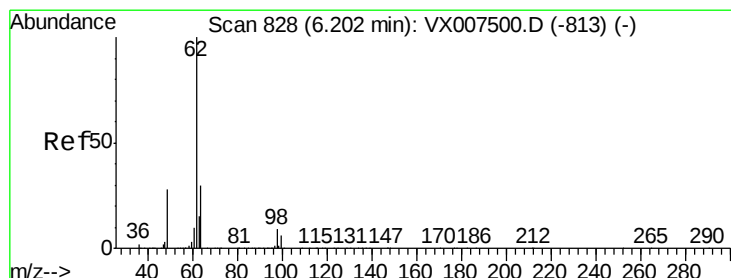
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.7	27.4	82.0	
67	75.7	37.9	113.6	
52	26.6	13.3	39.9	



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

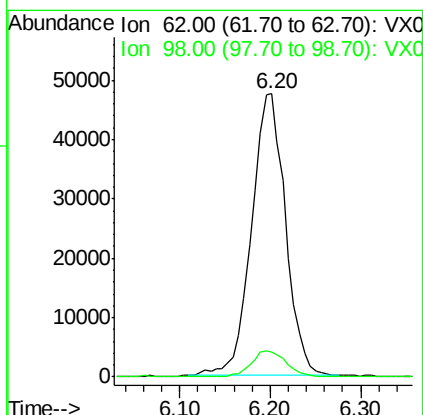
Manual Integrations
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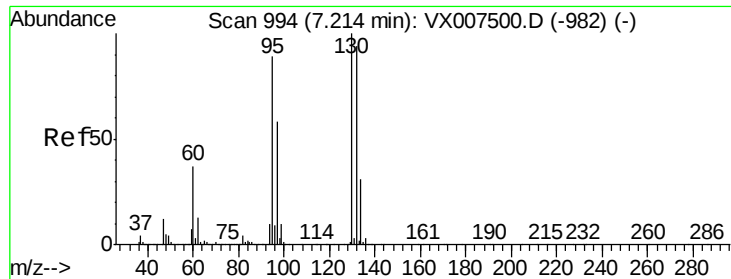
MMDadoda
2/13/2019 11:52:40 AM



#36
1,2-Dichloroethane
Concen: 20.795 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.00 min
Lab File: VX007500.D
Acq: 12 Feb 2019 23:02

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	7.8	11.8	





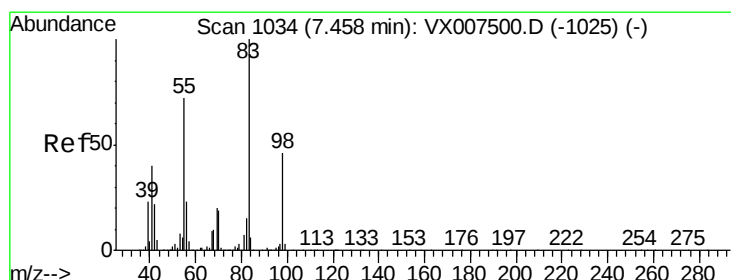
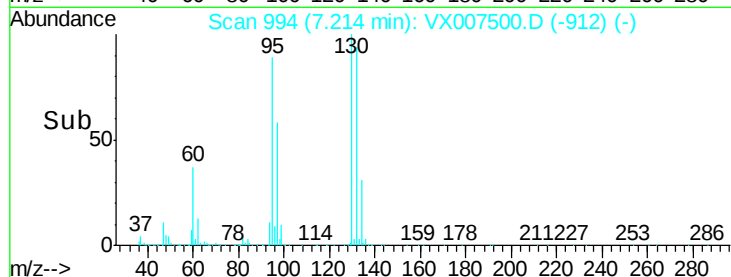
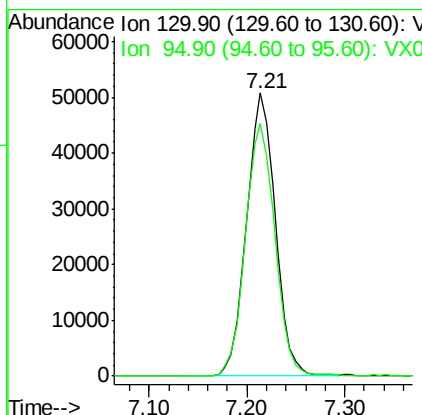
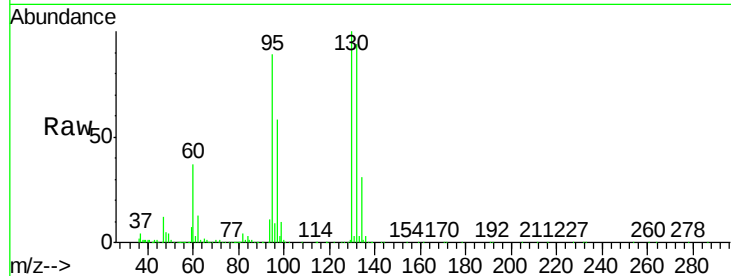
#37
 Trichloroethene
 Concen: 20.653 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007500.D
 Acq: 12 Feb 2019 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
130	100	104177		
95	89.1	71.3	106.9	

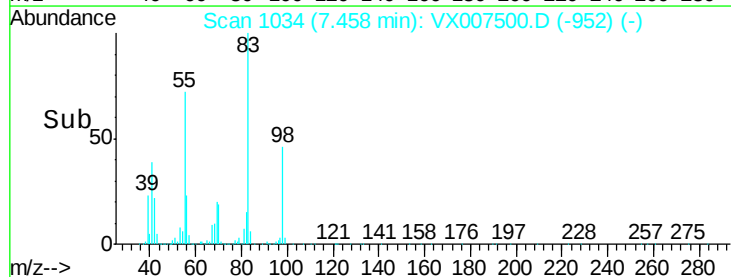
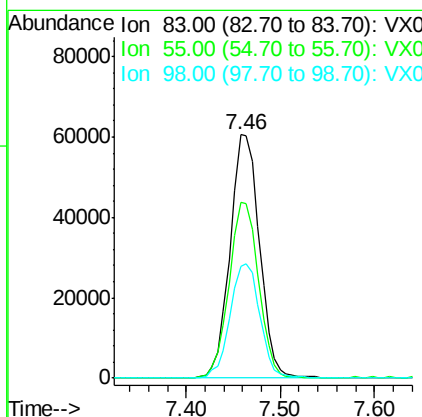
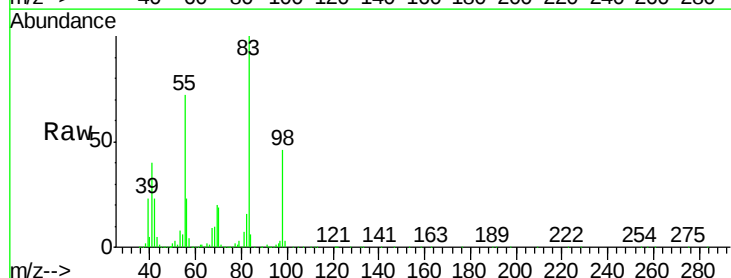
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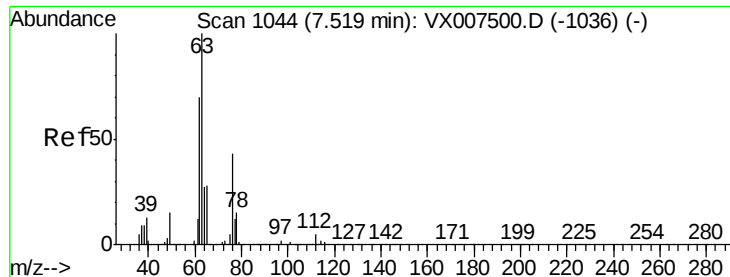
MMDadoda
 2/13/2019 11:52:40 AM



#38
 Methylcyclohexane
 Concen: 18.928 ug/l
 RT: 7.46 min Scan# 1034
 Delta R.T. 0.00 min
 Lab File: VX007500.D
 Acq: 12 Feb 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	131771		
55	72.0	36.0	108.0	
98	47.6	23.8	71.4	





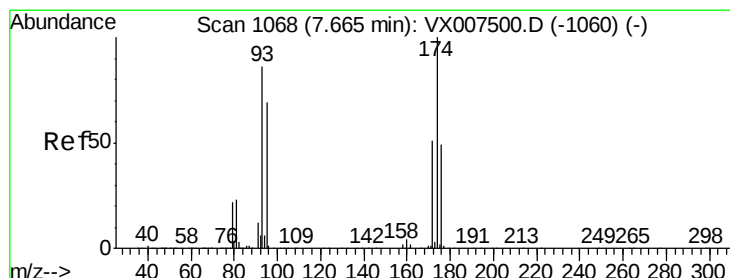
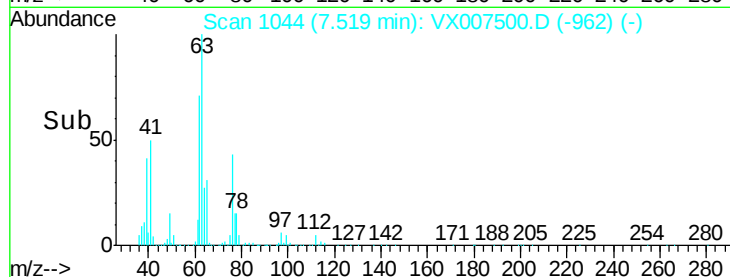
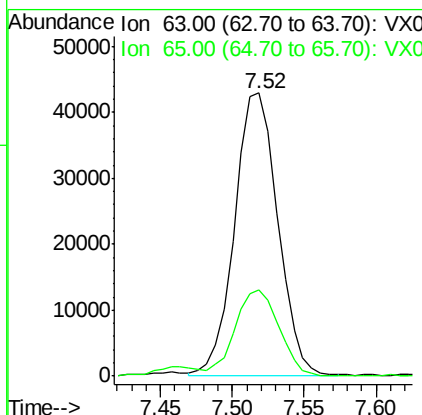
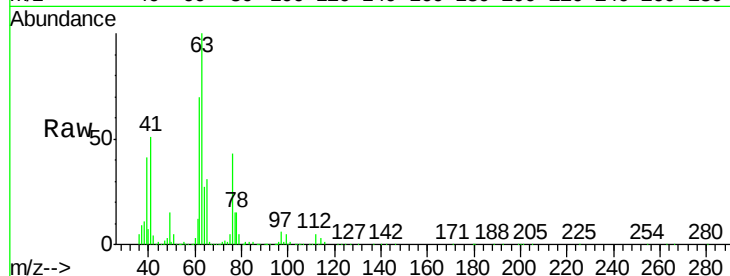
#39
 1,2-Dichloropropane
 Concen: 20.852 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX007500.D
 Acq: 12 Feb 2019 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	37.0

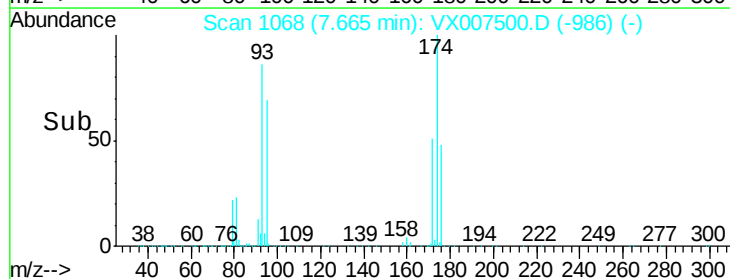
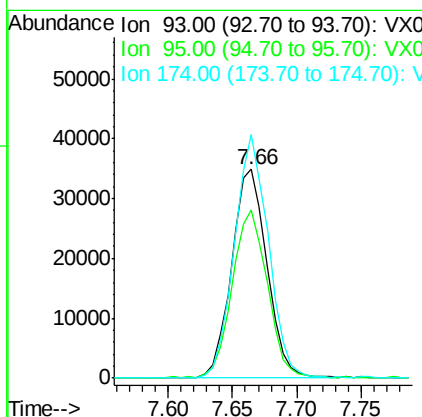
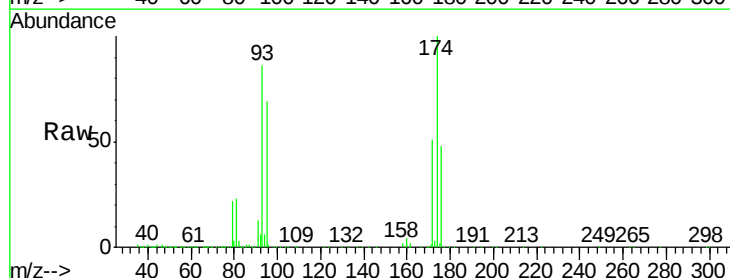
Manual Integrations
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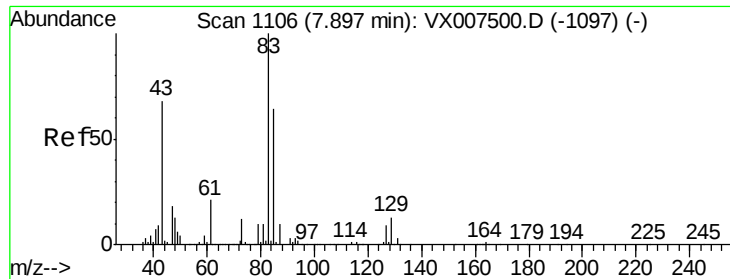
MMDadoda
 2/13/2019 11:52:40 AM



#40
 Dibromomethane
 Concen: 21.242 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX007500.D
 Acq: 12 Feb 2019 23:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	79.4	0.0	158.8
174	112.1	0.0	224.2





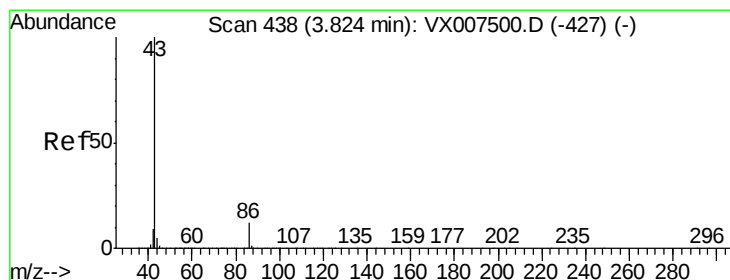
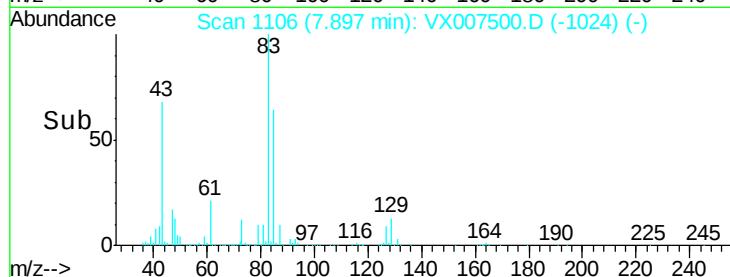
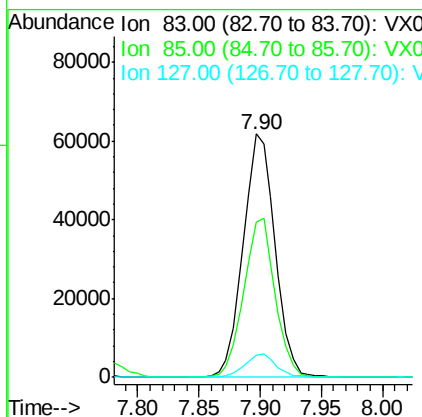
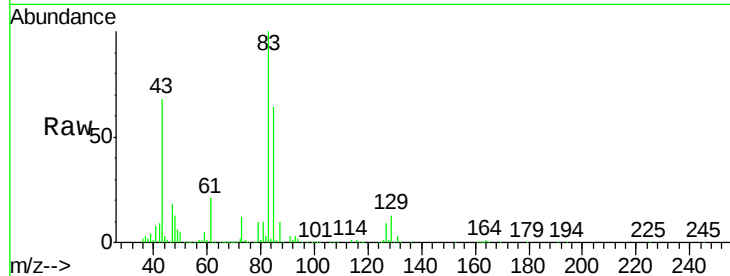
#41
Bromodichloromethane
Concen: 20.466 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX007500.D
Acq: 12 Feb 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	9.0	7.2	10.8

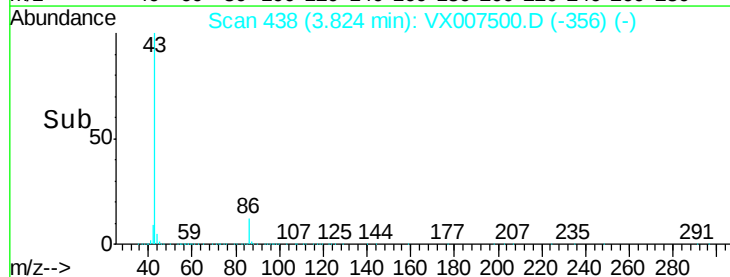
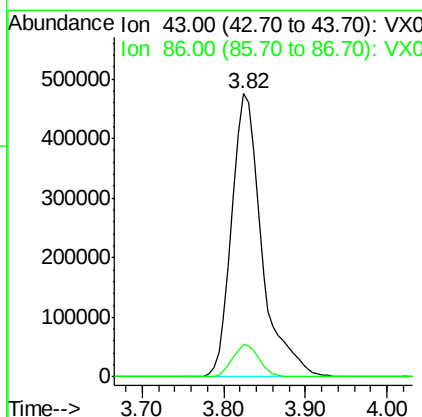
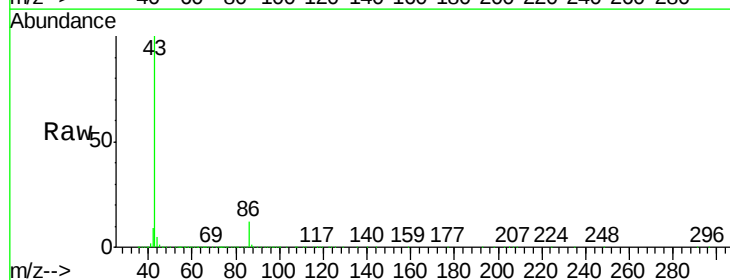
Manual Integrations
APPROVED

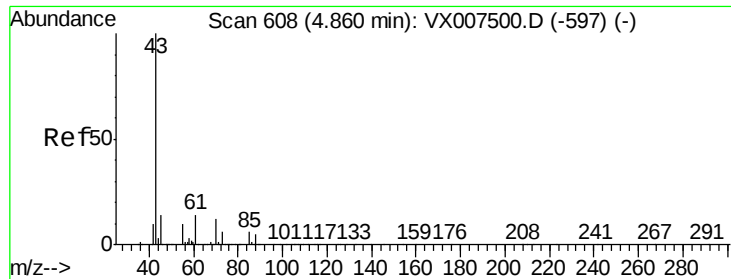
MMDadoda
2/13/2019 11:52:40 AM



#42
Vinyl Acetate
Concen: 106.412 ug/l
RT: 3.82 min Scan# 438
Delta R.T. 0.00 min
Lab File: VX007500.D
Acq: 12 Feb 2019 23:02

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.2	12.2





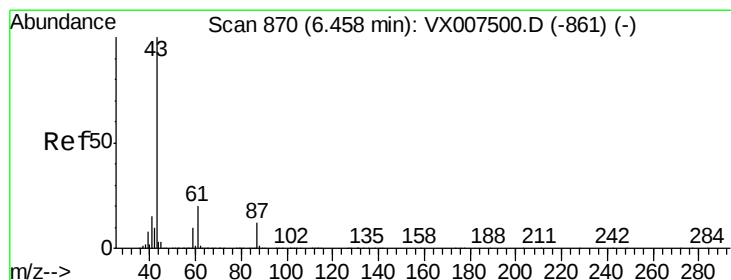
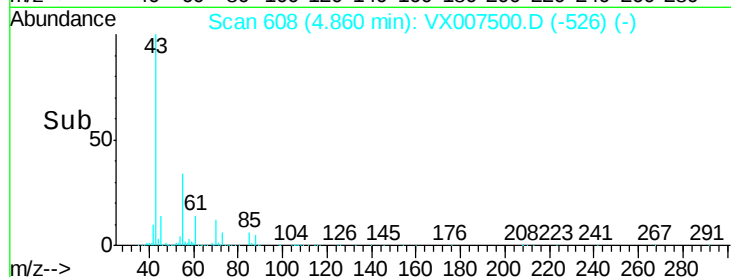
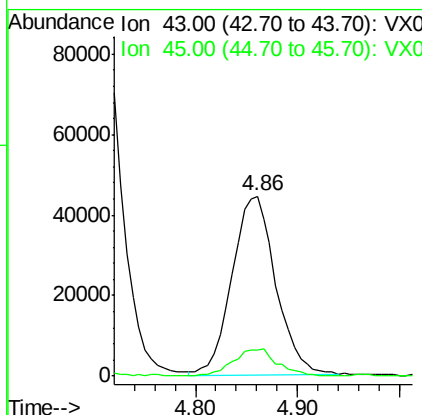
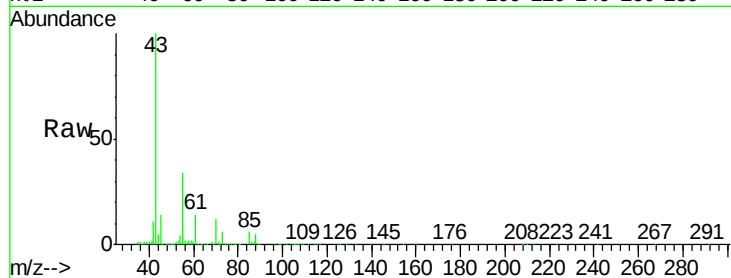
#43
Ethyl Acetate
Concen: 21.223 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX007500.D
Acq: 12 Feb 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
45	8.6	6.9	10.3

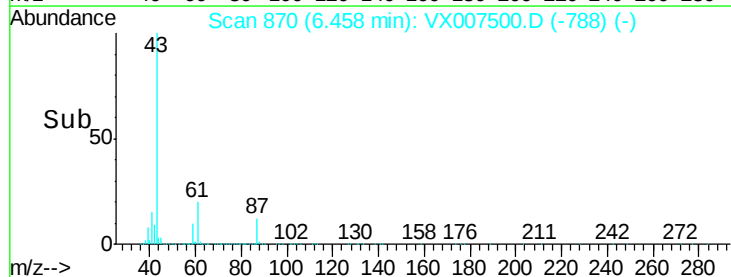
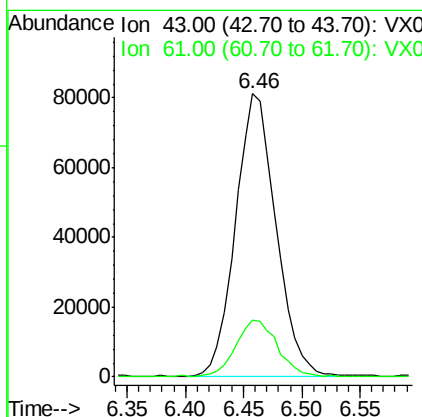
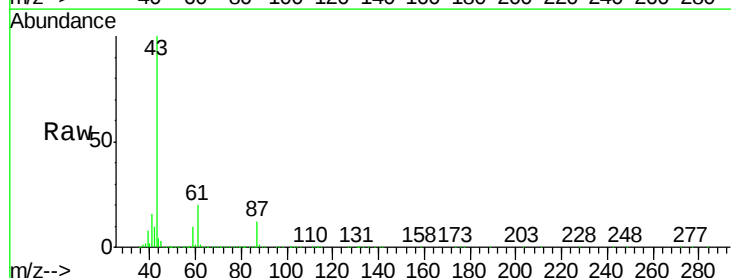
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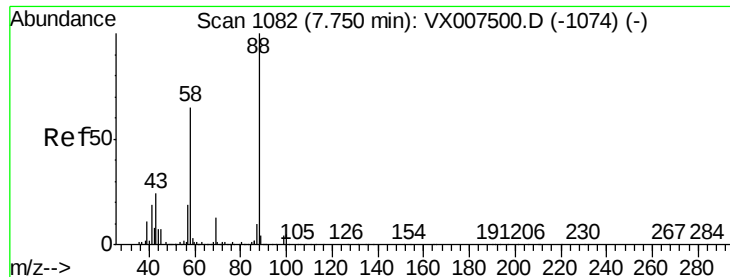
MMDadoda
2/13/2019 11:52:40 AM



#44
Isopropyl Acetate
Concen: 20.232 ug/l
RT: 6.46 min Scan# 870
Delta R.T. 0.00 min
Lab File: VX007500.D
Acq: 12 Feb 2019 23:02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.1	24.1





#45

1,4-Dioxane

Concen: 413.071 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Instrument :

MSVOA_X

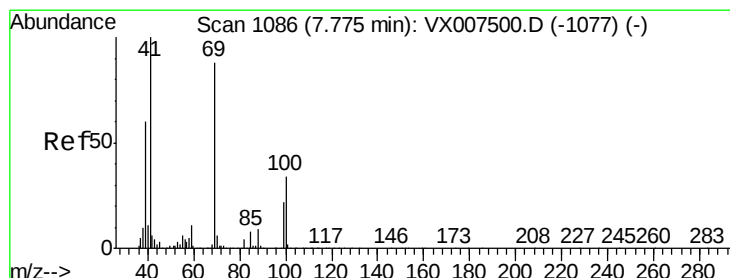
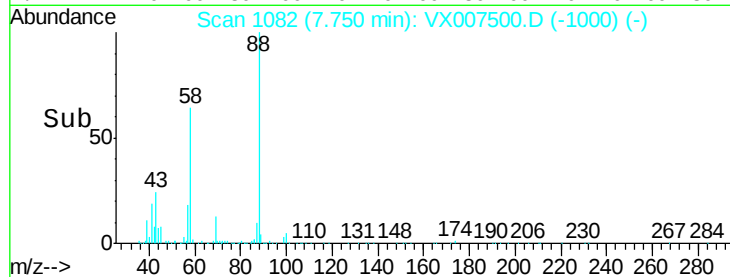
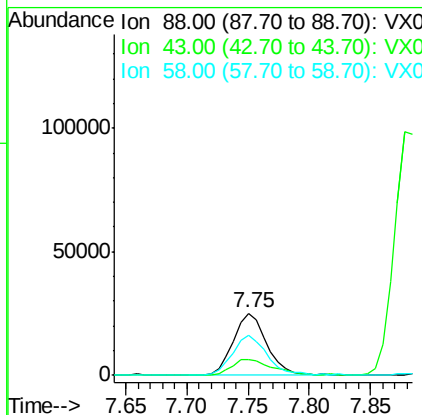
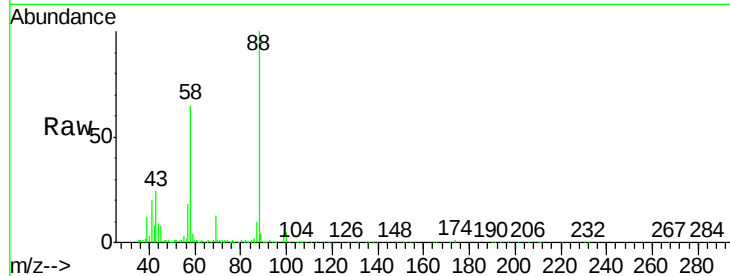
ClientSampleId :

VSTDICCC020

Tot Ion:	88	Resp:	48084
Ion	Ratio	Lower	Upper
88	100		
43	29.5	23.6	35.4
58	64.5	51.6	77.4

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#46

Methyl methacrylate

Concen: 20.343 ug/l

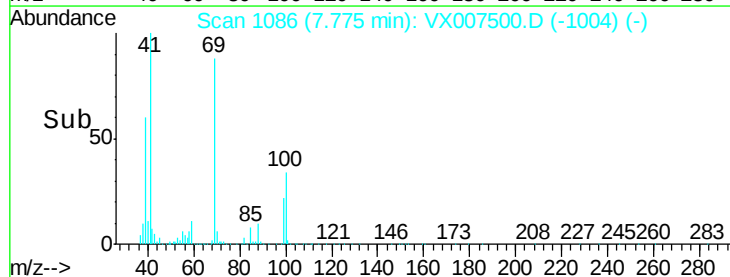
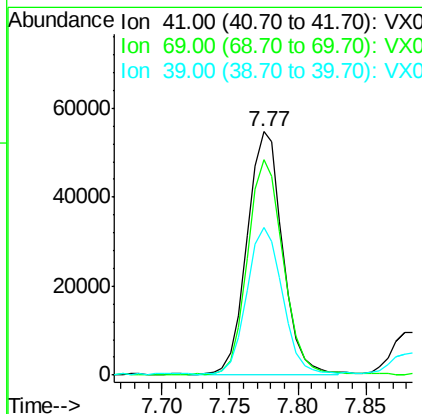
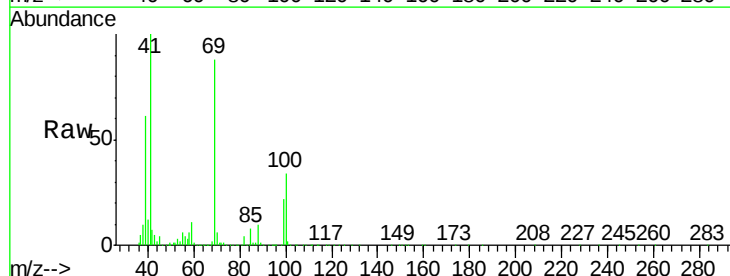
RT: 7.77 min Scan# 1086

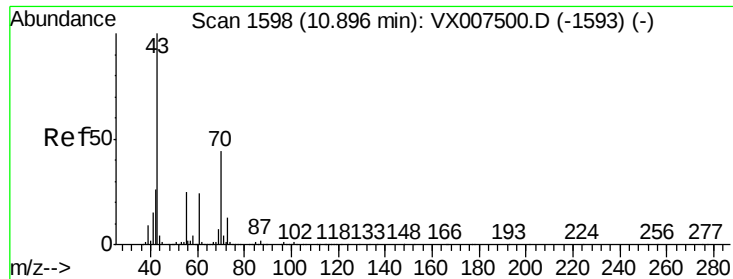
Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Tgt Ion:	41	Resp:	100127
Ion	Ratio	Lower	Upper
41	100		
69	88.4	44.2	132.6
39	59.9	29.9	89.8





#47

n-amvl Acetate

Concen: 20.298 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 43 Resp: 172164

Ion Ratio Lower Upper

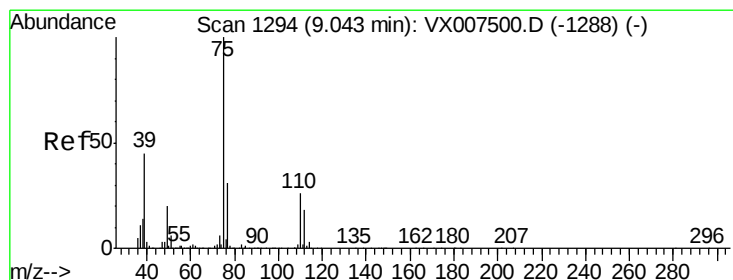
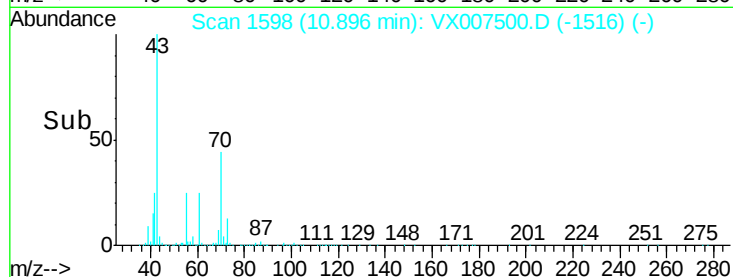
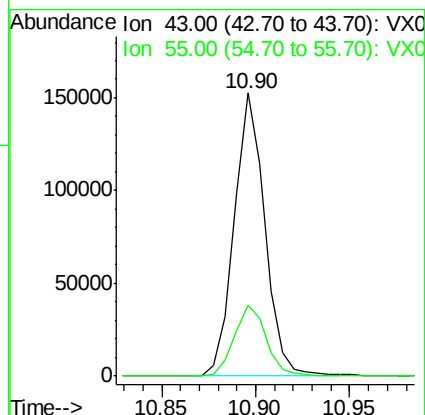
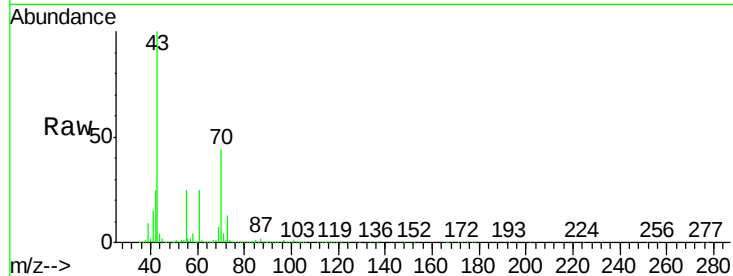
43 100

55 26.0 20.8 31.2

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#48

t-1,3-Dichloropropene

Concen: 18.992 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007500.D

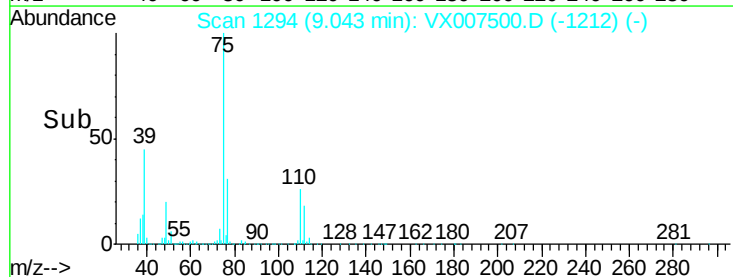
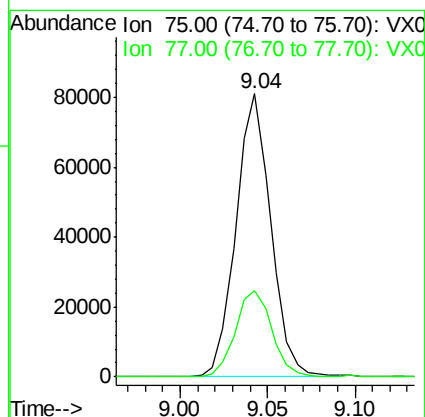
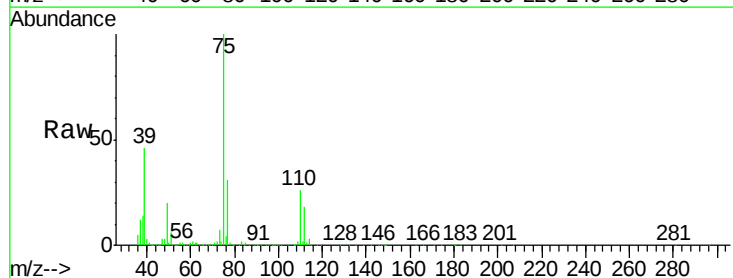
Acq: 12 Feb 2019 23:02

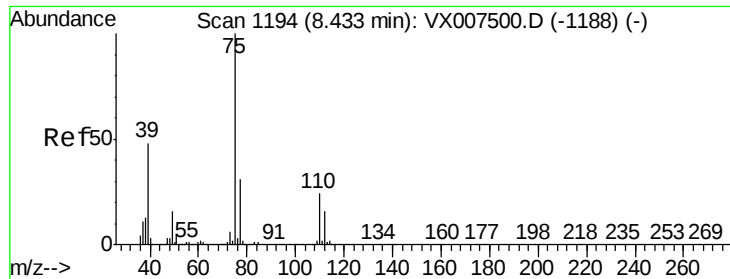
Tgt Ion: 75 Resp: 111884

Ion Ratio Lower Upper

75 100

77 30.6 24.5 36.7





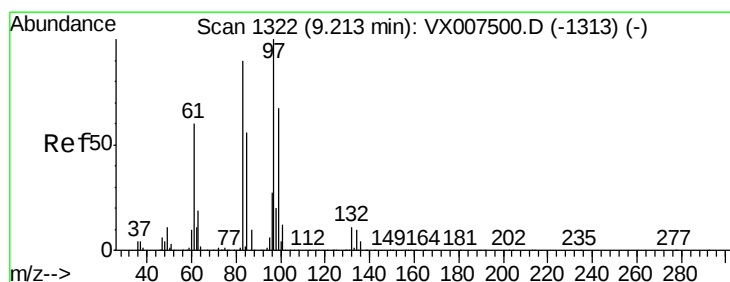
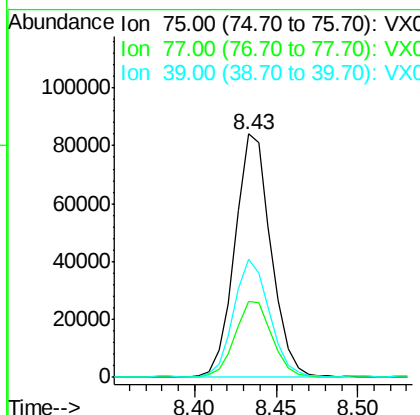
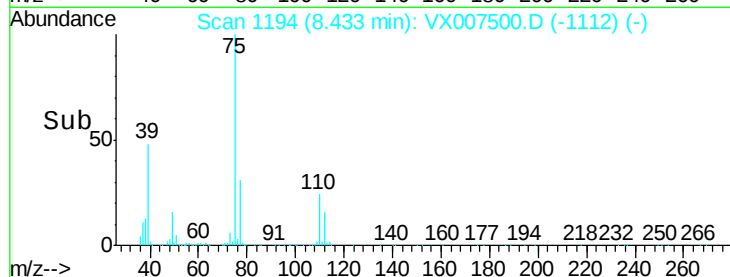
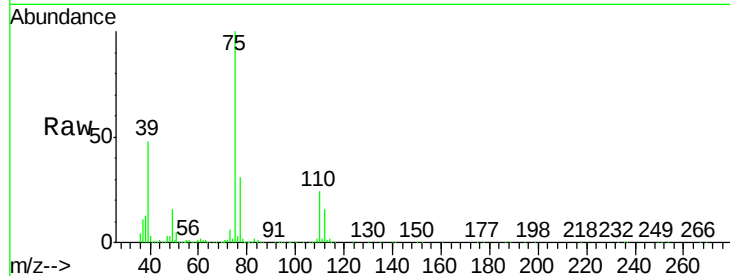
#49
 cis-1,3-Dichloropropene
 Concen: 19.735 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX007500.D
 Acq: 12 Feb 2019 23:02

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4
39	48.1	38.5	57.7

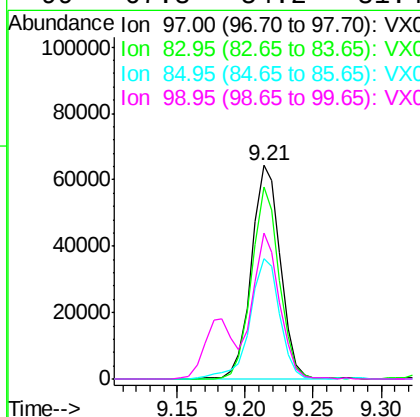
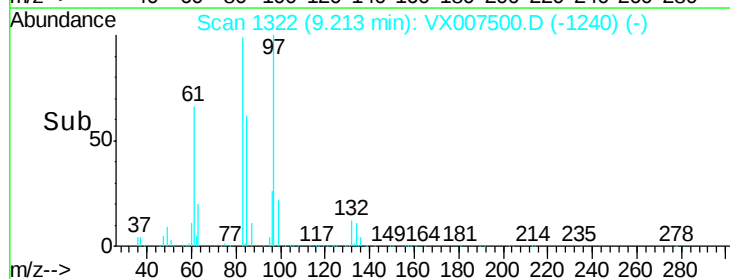
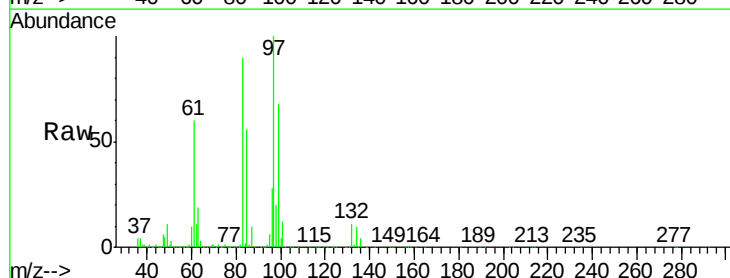
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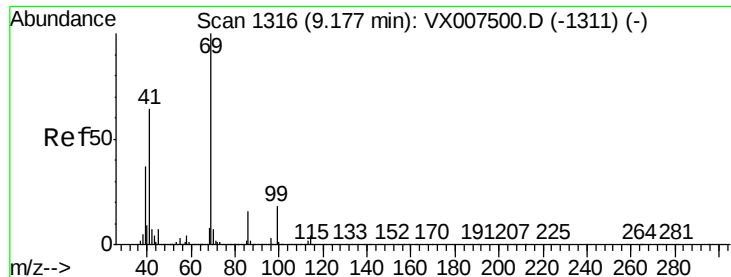
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 20.717 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007500.D
 Acq: 12 Feb 2019 23:02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.0	72.0	108.0
85	56.3	45.0	67.6
99	67.8	54.2	81.4





#51

Ethyl methacrylate

Concen: 20.725 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Instrument :

MSVOA_X

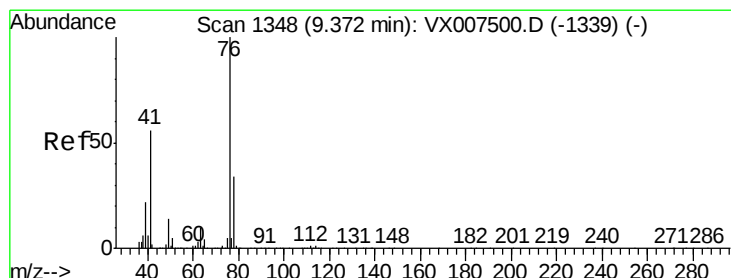
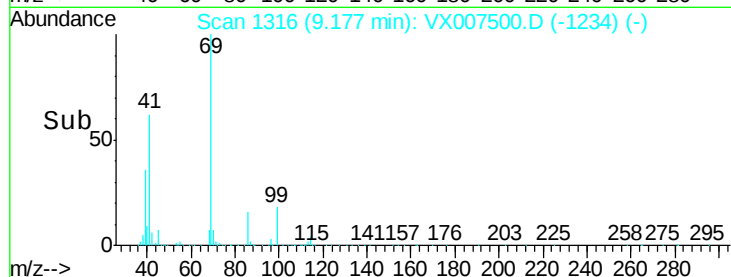
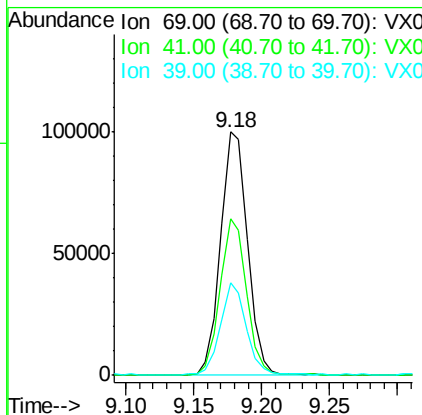
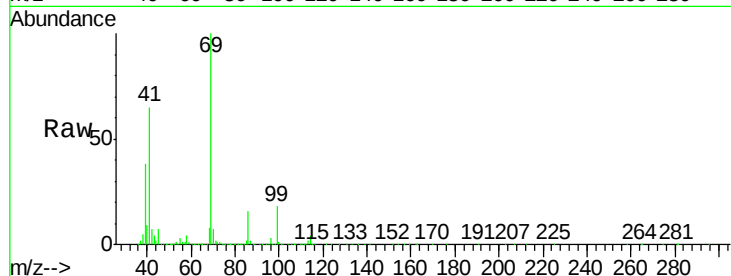
ClientSampleId :

VSTDICCC020

Tot Ion:	69	Resp:	138062
Ion	Ratio	Lower	Upper
69	100		
41	64.3	32.1	96.5
39	37.5	18.8	56.3

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#52

1,3-Dichloropropane

Concen: 20.853 ug/l

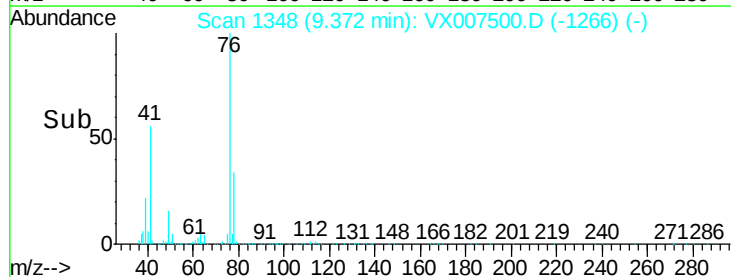
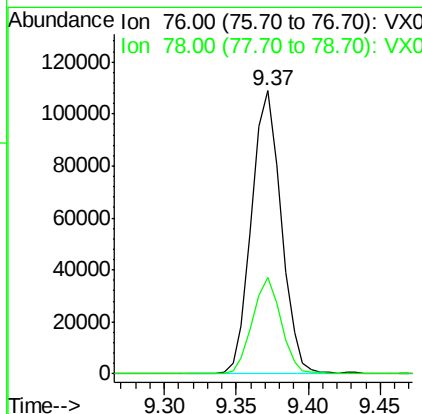
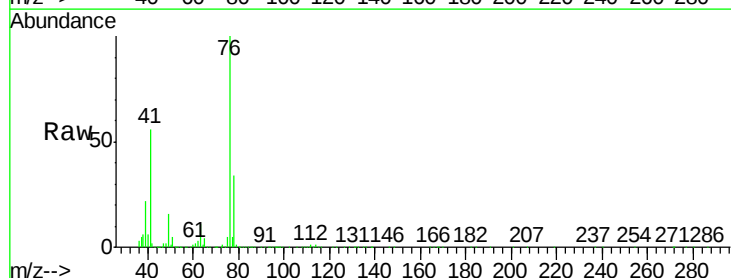
RT: 9.37 min Scan# 1348

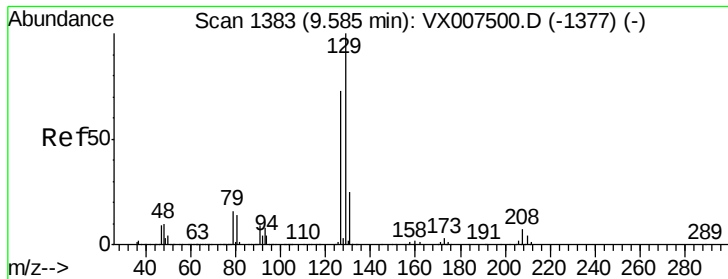
Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Tgt Ion:	76	Resp:	155449
Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	65.2





#53

Dibromochloromethane

Concen: 20.060 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:129 Resp: 94415

Ion Ratio Lower Upper

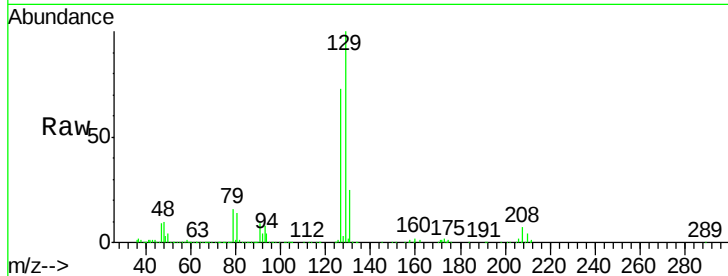
129 100

127 76.8 38.4 115.2

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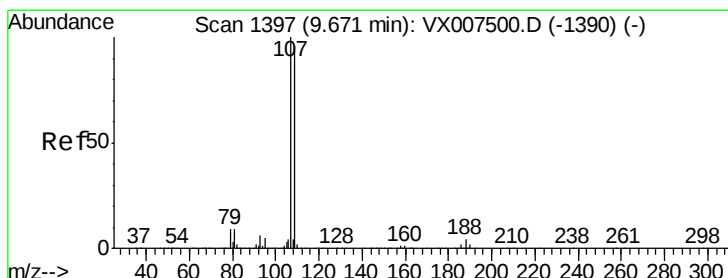
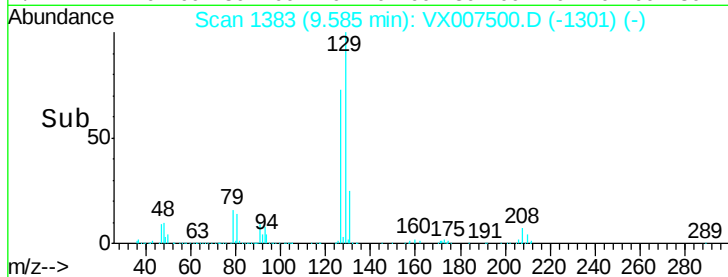
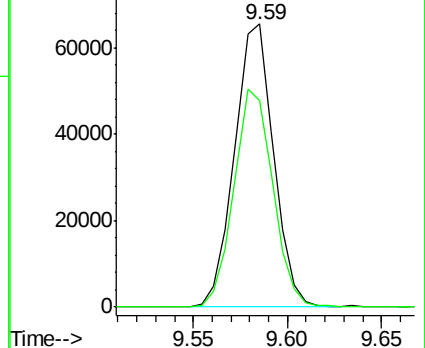
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.886 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007500.D

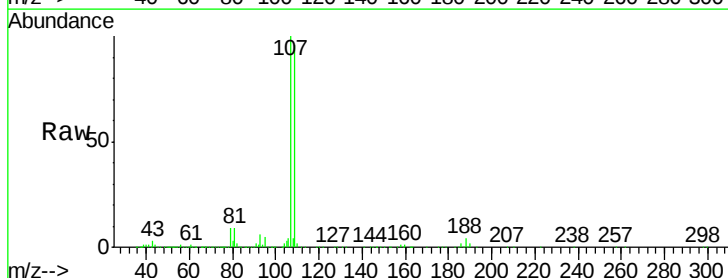
Acq: 12 Feb 2019 23:02

Tgt Ion:107 Resp: 104266

Ion Ratio Lower Upper

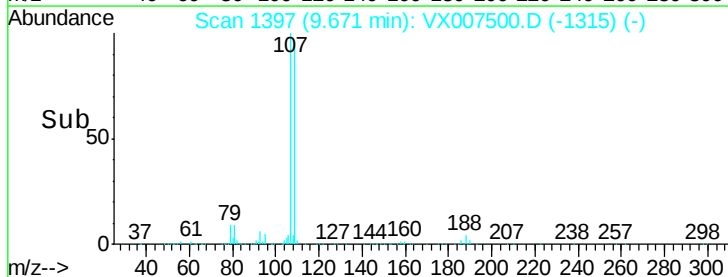
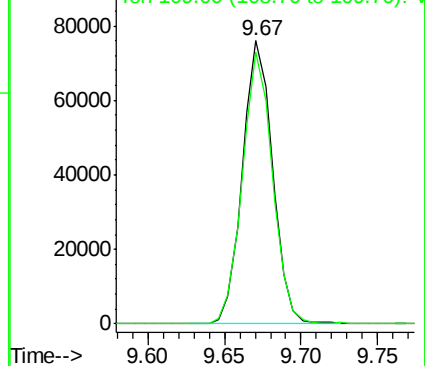
107 100

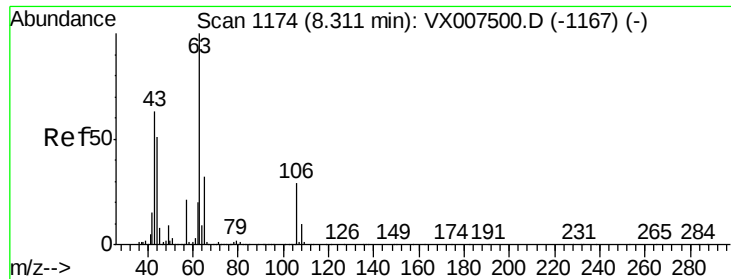
109 95.8 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





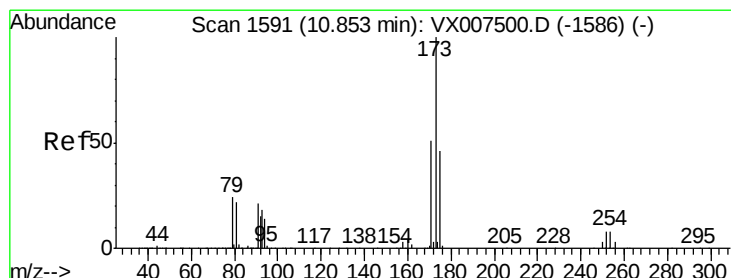
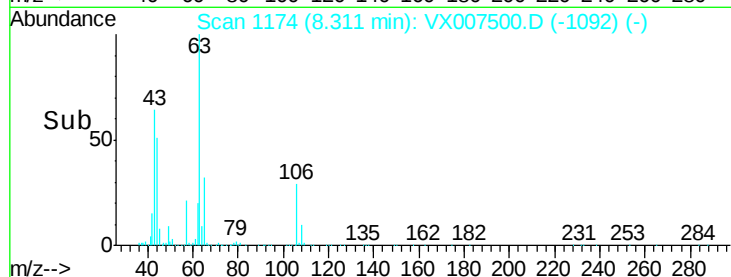
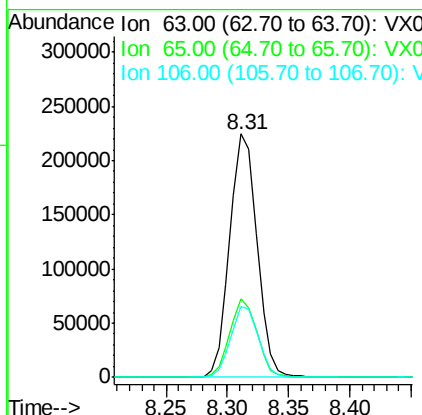
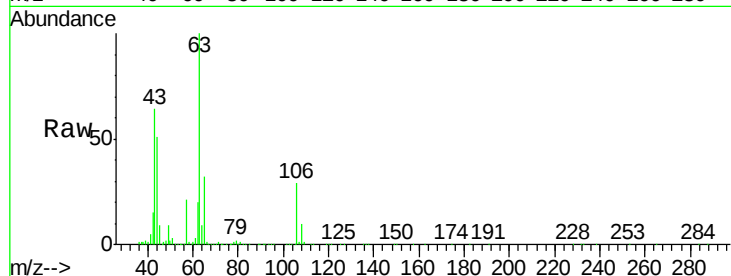
#55
2-Chloroethyl vinyl ether
Concen: 97.205 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VX007500.D
Acq: 12 Feb 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.7	38.5
106	29.6	23.7	35.5

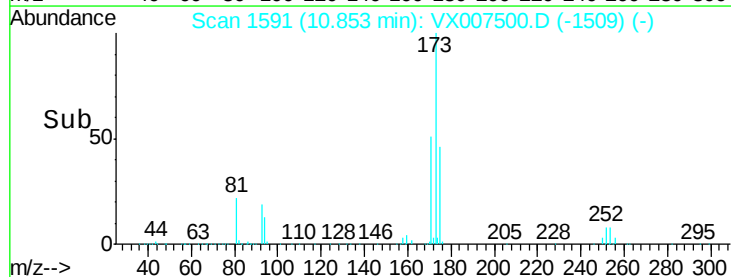
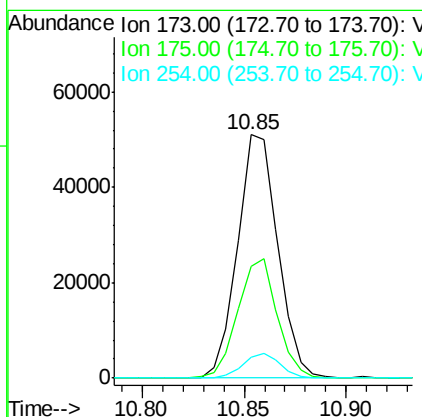
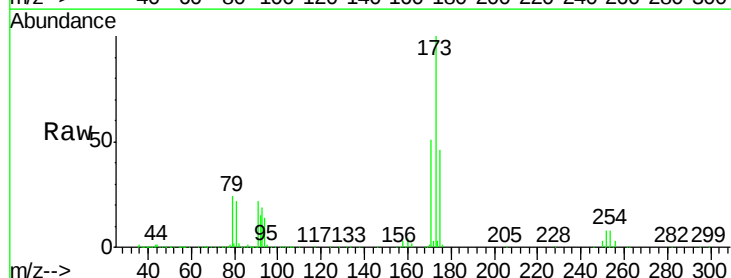
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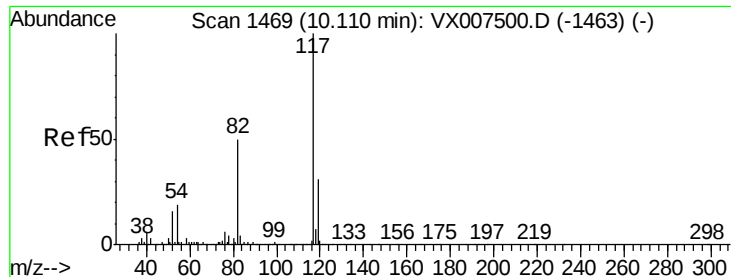
MMDadoda
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#56
Bromoform
Concen: 19.549 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX007500.D
Acq: 12 Feb 2019 23:02

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.1	38.5	57.7
254	9.3	7.4	11.2





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Instrument :

MSVOA_X

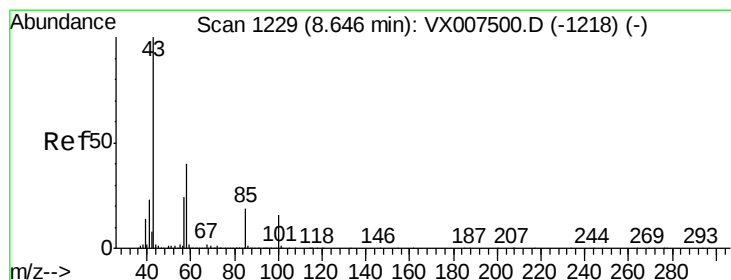
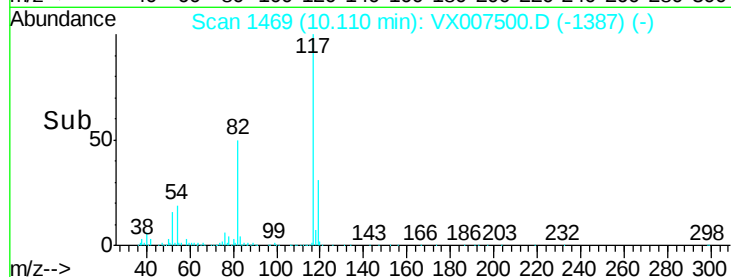
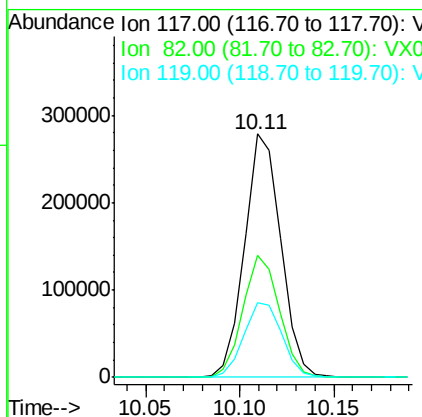
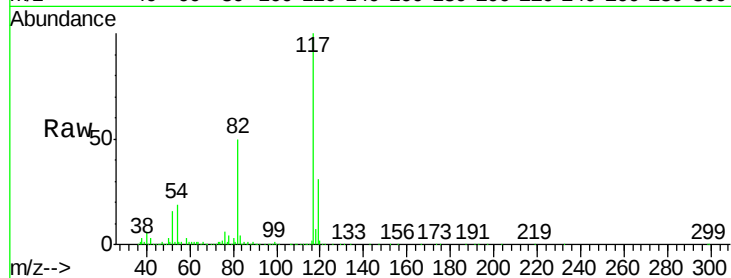
ClientSampleId :

VSTDICCC020

Tot Ion:	117	Resp:	372813
Ion Ratio	Lower	Upper	
117	100		
82	50.5	40.4	60.6
119	32.2	25.8	38.6

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#58

4-Methyl-2-Pentanone

Concen: 107.142 ug/l

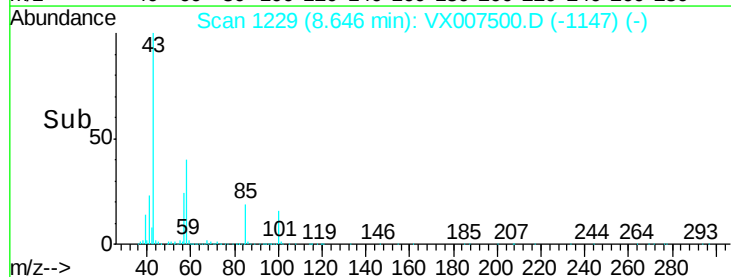
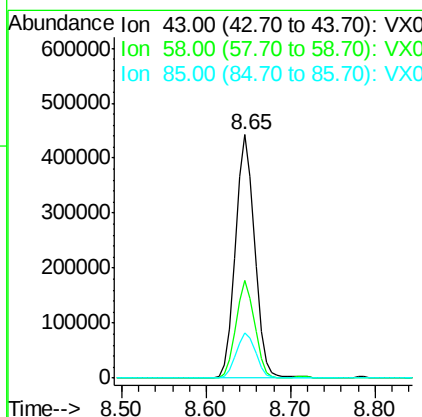
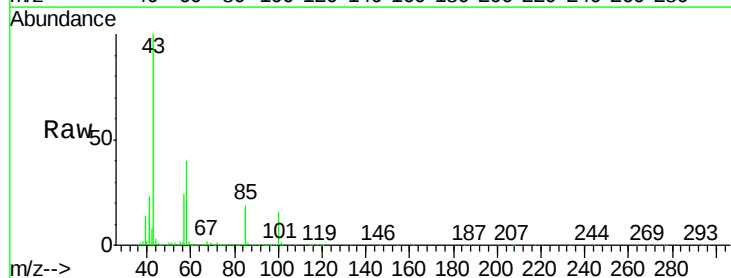
RT: 8.65 min Scan# 1229

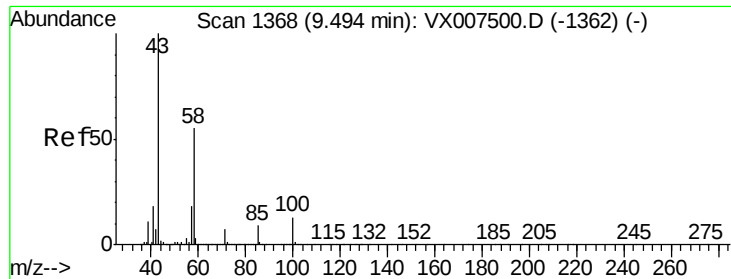
Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Tgt Ion:	43	Resp:	679733
Ion Ratio	Lower	Upper	
43	100		
58	39.2	31.4	47.0
85	18.8	15.0	22.6





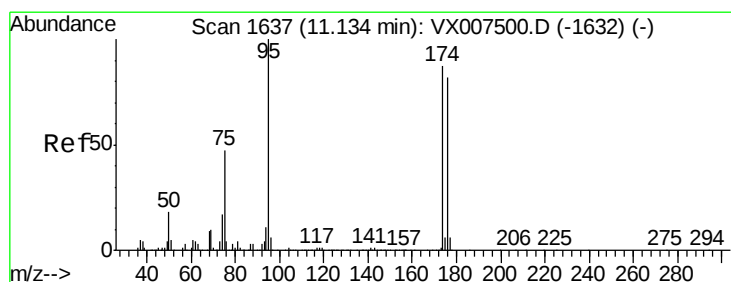
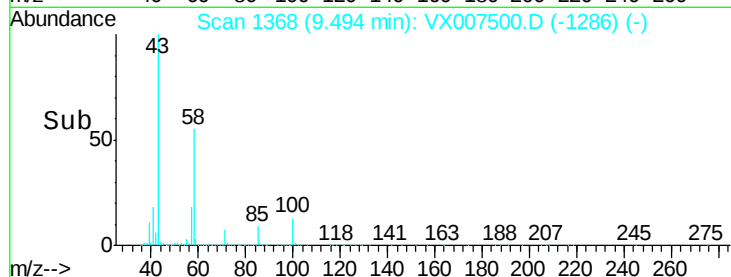
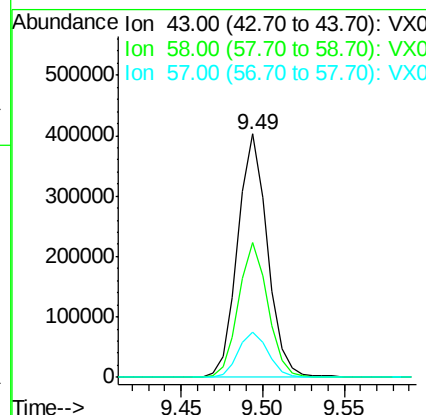
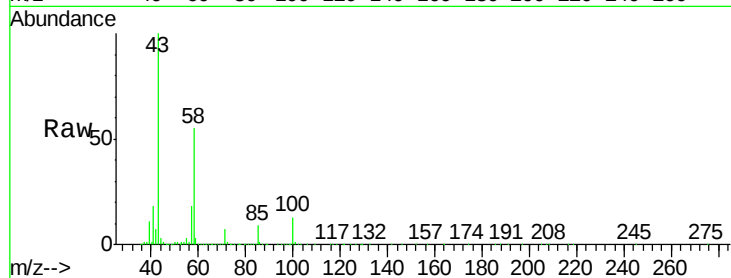
#59
2-Hexanone
Concen: 105.456 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007500.D
Acq: 12 Feb 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.9	43.9	65.9
57	18.6	14.9	22.3

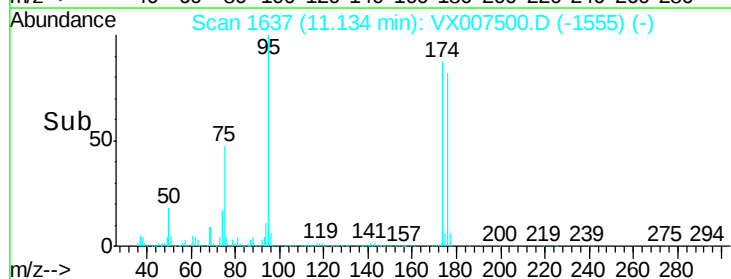
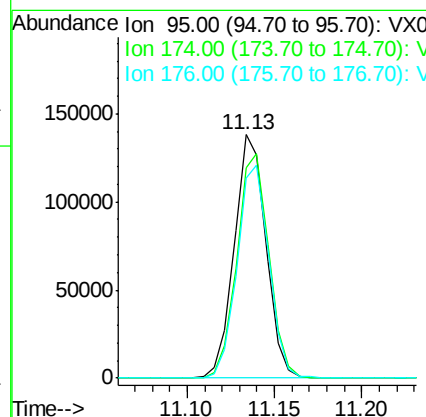
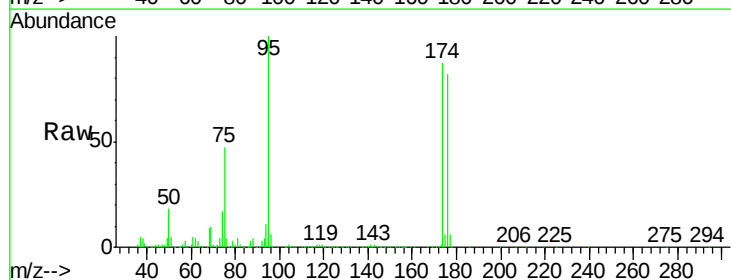
Manual Integrations
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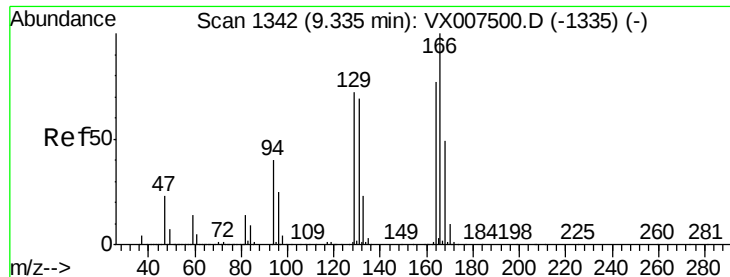
MMDadoda
2/13/2019 11:52:40 AM



#60
4-Bromofluorobenzene
Concen: 30.186 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007500.D
Acq: 12 Feb 2019 23:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.6	74.9	112.3
176	88.4	70.7	106.1





#61

Tetrachloroethene

Concen: 20.321 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Instrument :

MSVOA_X

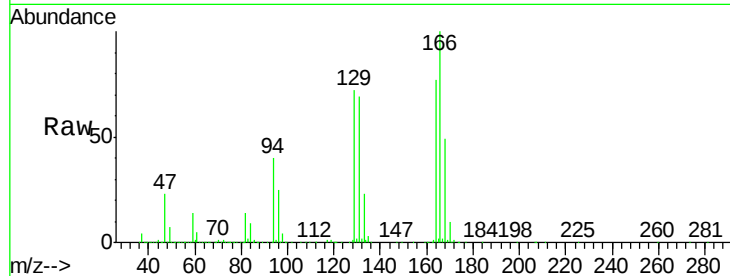
ClientSampled :

VSTDICCC020

Tot Ion:	164	Resp:	105131
Ion Ratio	Lower	Upper	
164	100		
166	129.9	103.9	155.9
129	93.4	74.7	112.1
131	89.6	71.7	107.5

Manual Integrations
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MMDadoda
2/13/2019 11:52:40 AM

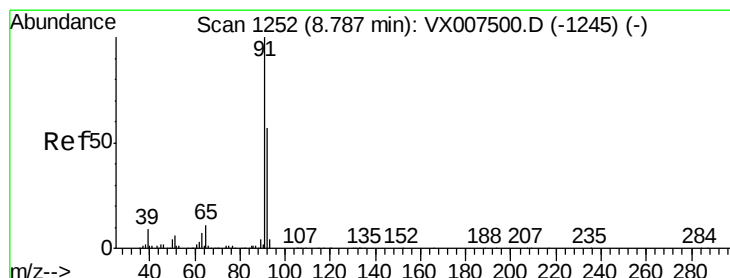
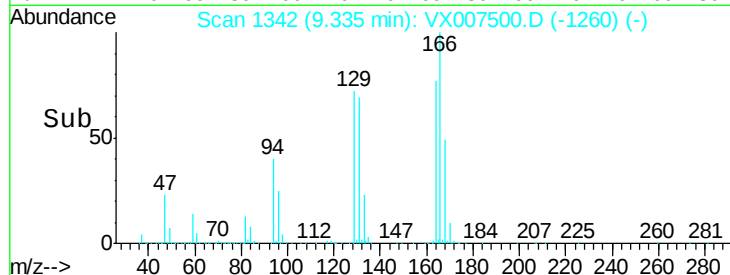
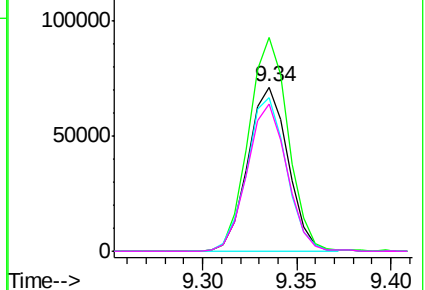


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 21.008 ug/l

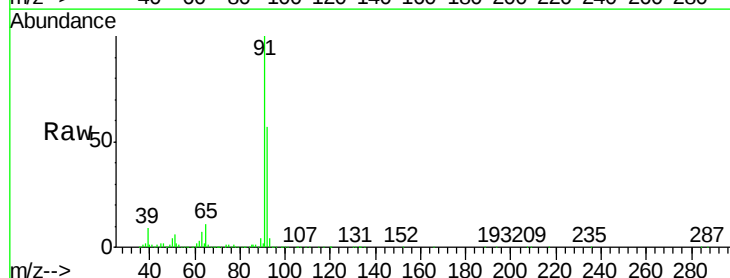
RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX007500.D

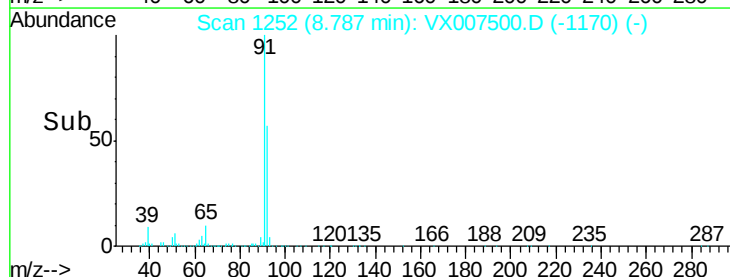
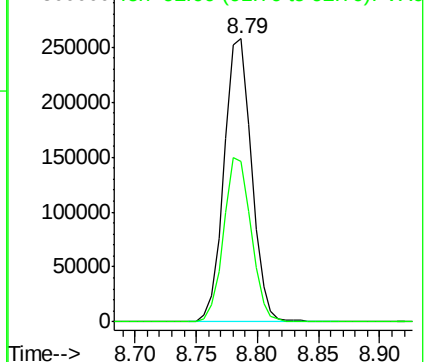
Acq: 12 Feb 2019 23:02

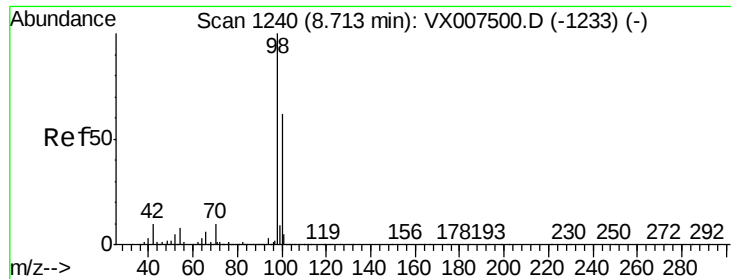
Tgt Ion:	91	Resp:	401668
Ion Ratio	Lower	Upper	
91	100		
92	58.0	46.4	69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





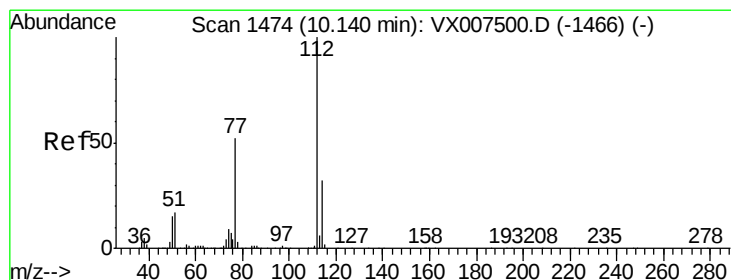
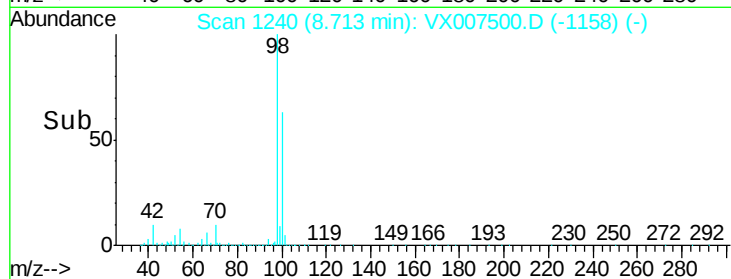
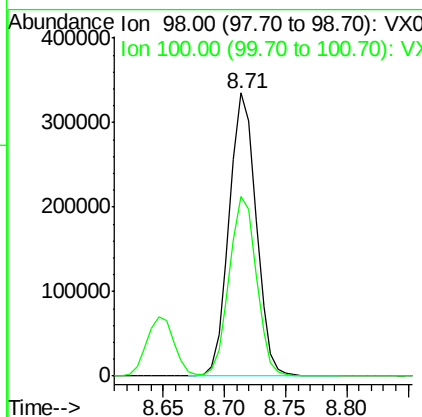
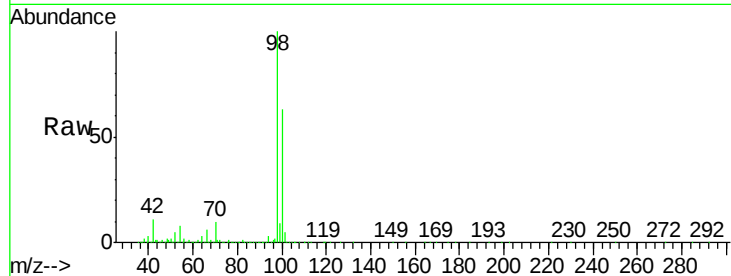
#63
Toluene-d8
Concen: 30.463 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007500.D
Acq: 12 Feb 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.9	76.3

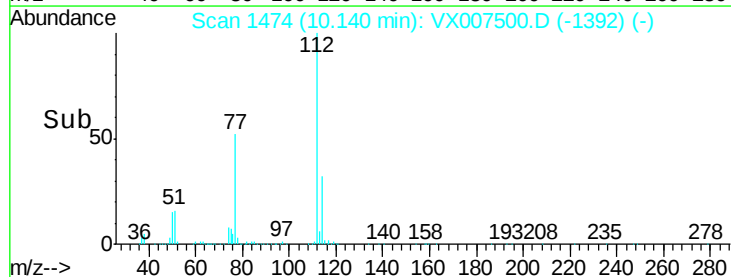
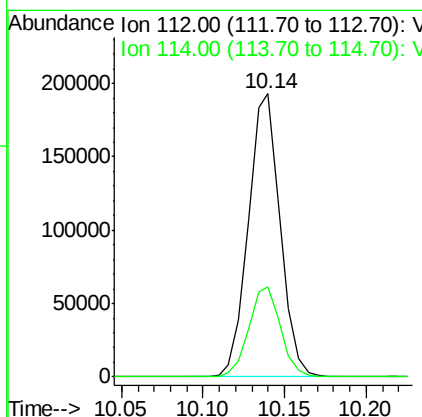
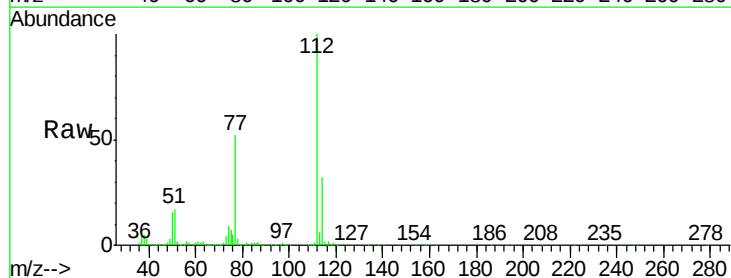
Manual Integrations
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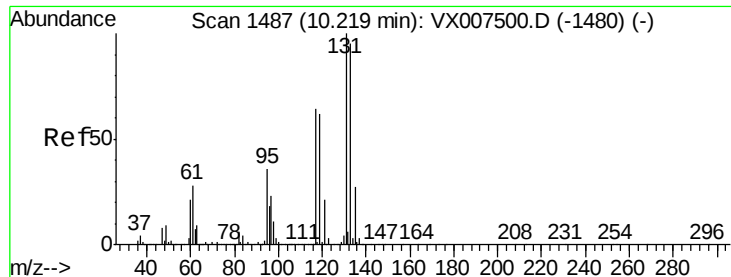
MMDadoda
2/13/2019 11:52:40 AM



#64
Chlorobenzene
Concen: 20.835 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX007500.D
Acq: 12 Feb 2019 23:02

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.4	38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 20.814 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Instrument :

MSVOA_X

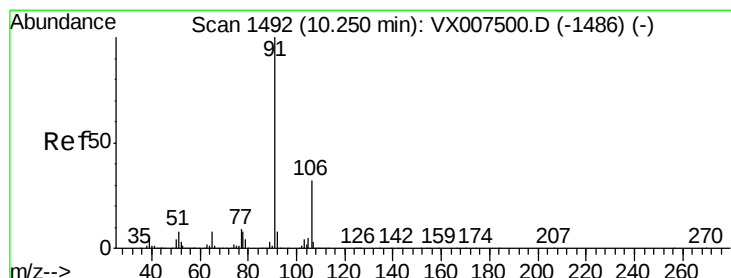
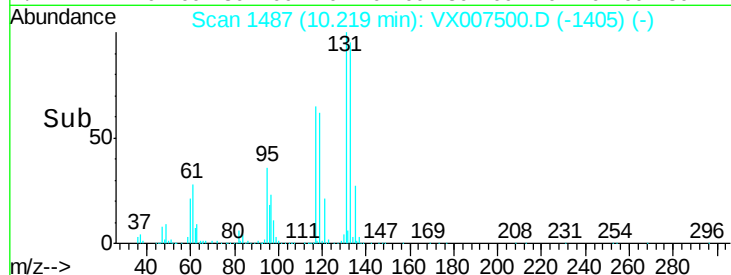
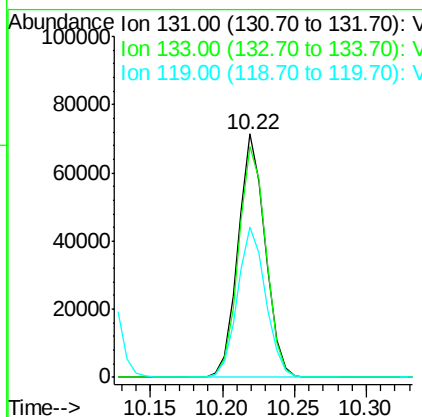
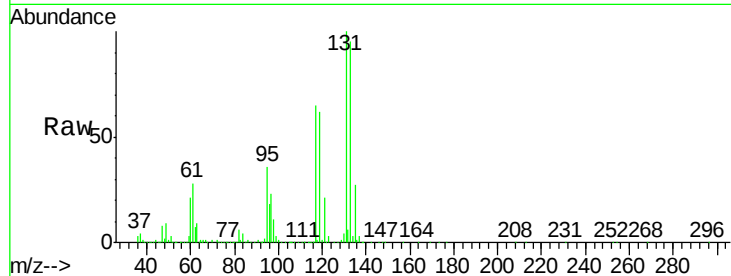
ClientSampleId :

VSTDICCC020

Tot Ion:	131	Resp:	93426
Ion	Ratio	Lower	Upper
131	100		
133	95.8	0.0	191.6
119	63.7	0.0	127.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.430 ug/l

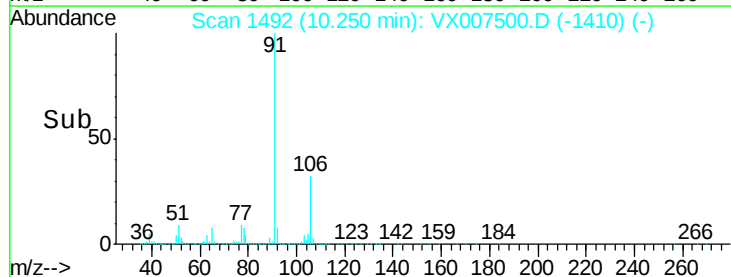
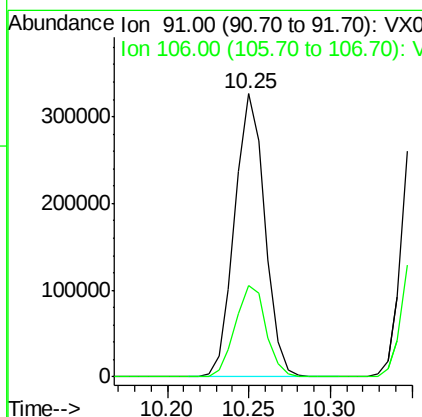
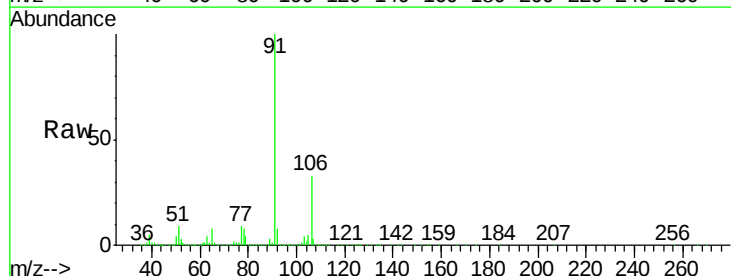
RT: 10.25 min Scan# 1492

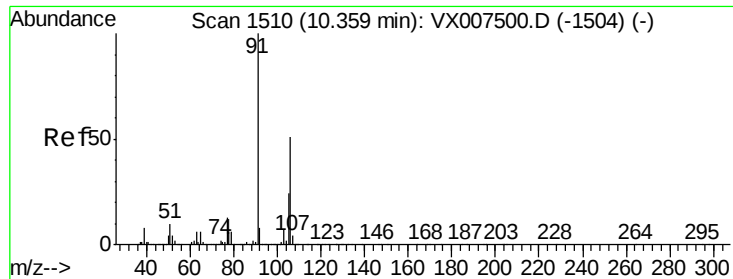
Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Tgt Ion:	91	Resp:	420568
Ion	Ratio	Lower	Upper
91	100		
106	32.5	26.0	39.0





#67

m/p-Xylenes

Concen: 40.414 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:106 Resp: 327629

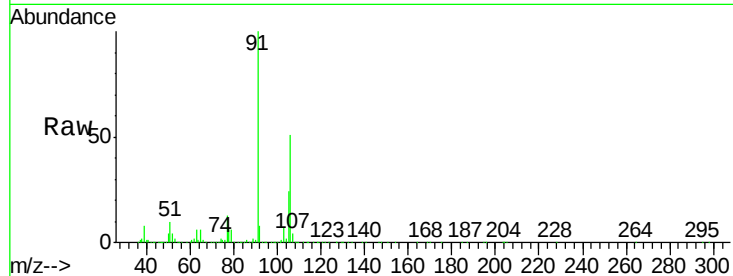
Ion Ratio Lower Upper

106 100

91 196.2 157.0 235.4

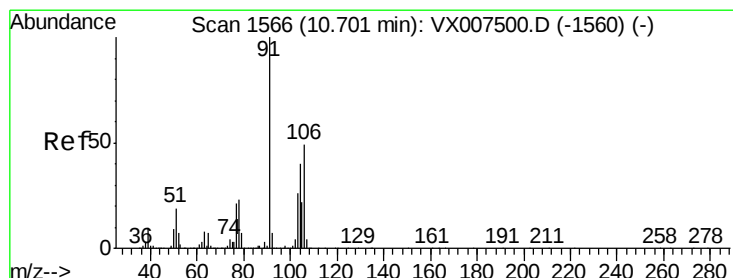
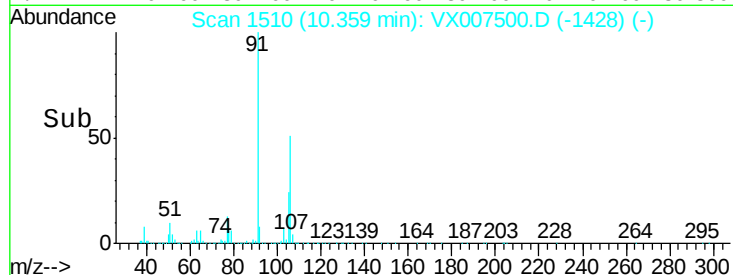
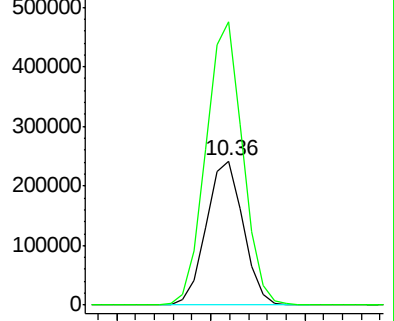
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 20.239 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VX007500.D

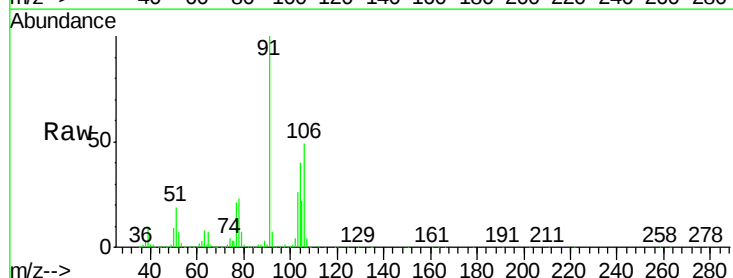
Acq: 12 Feb 2019 23:02

Tgt Ion:106 Resp: 160780

Ion Ratio Lower Upper

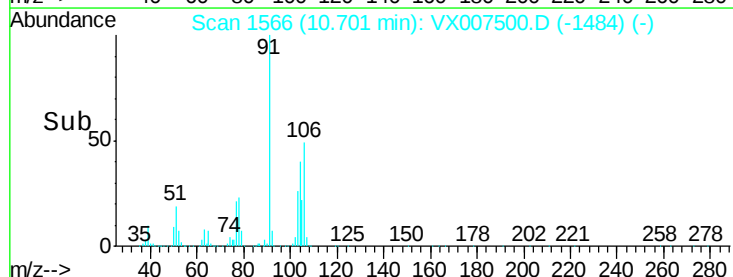
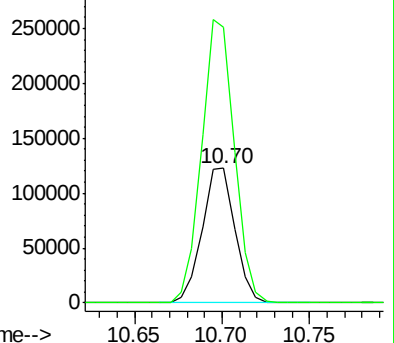
106 100

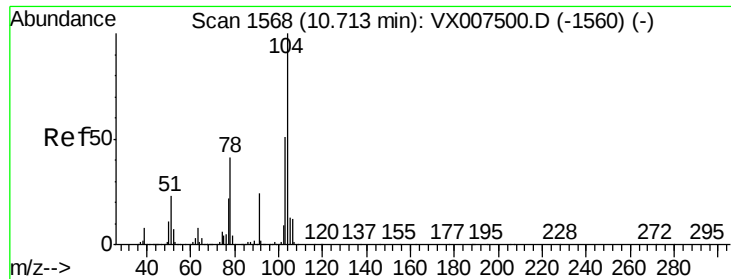
91 208.8 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





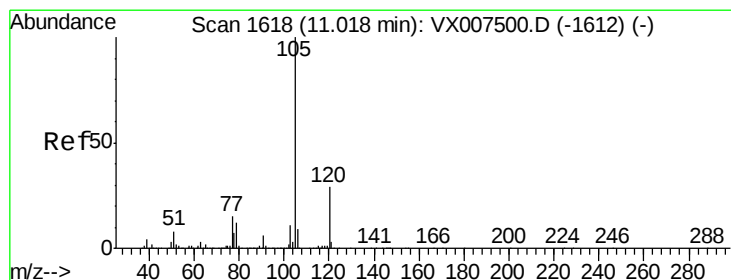
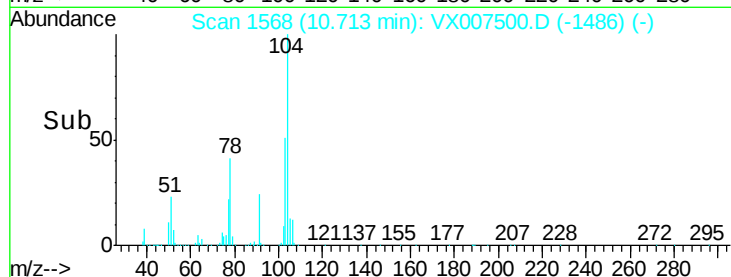
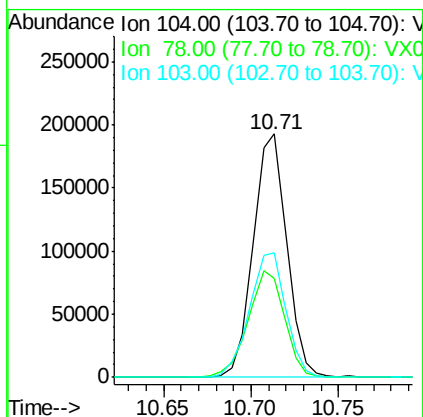
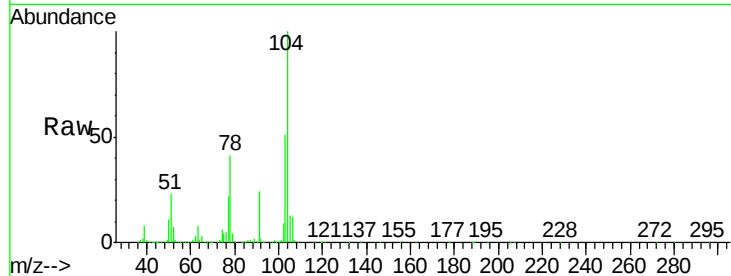
#69
Stvrene
Concen: 20.065 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007500.D
Acq: 12 Feb 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.7	38.2	57.2
103	56.2	45.0	67.4

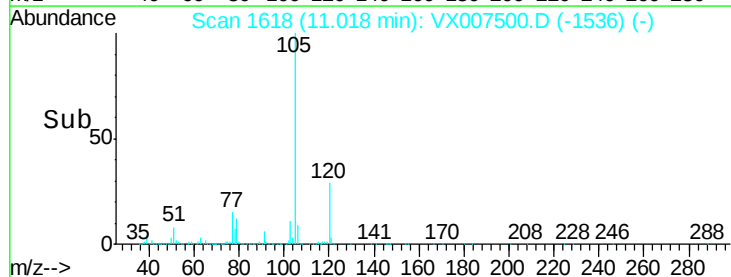
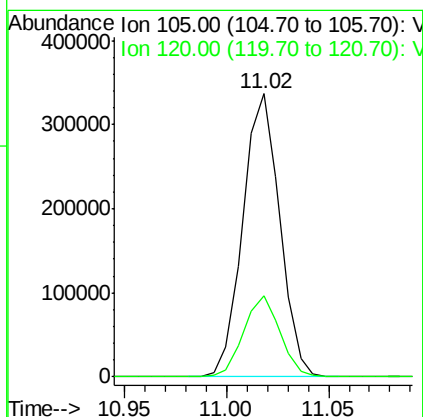
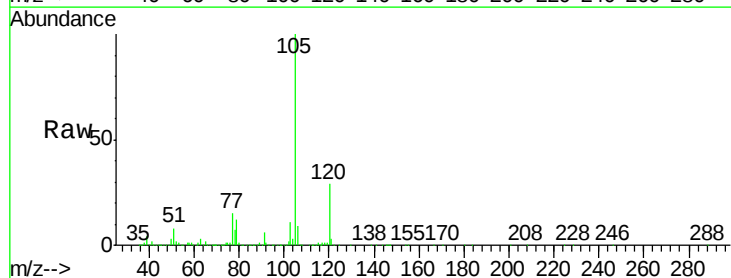
Manual Integrations
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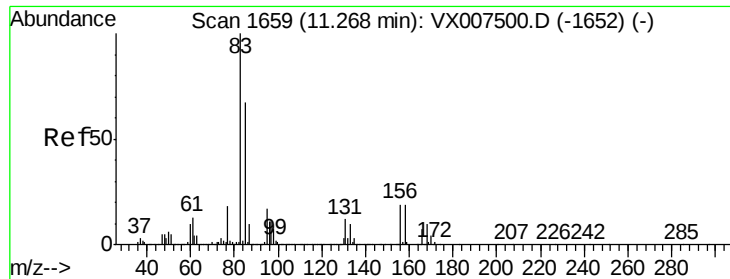
MMDadoda
2/13/2019 11:52:40 AM



#70
Isopropylbenzene
Concen: 20.177 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX007500.D
Acq: 12 Feb 2019 23:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.3	19.8	36.8





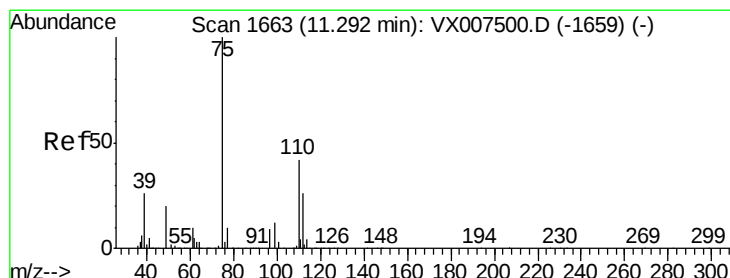
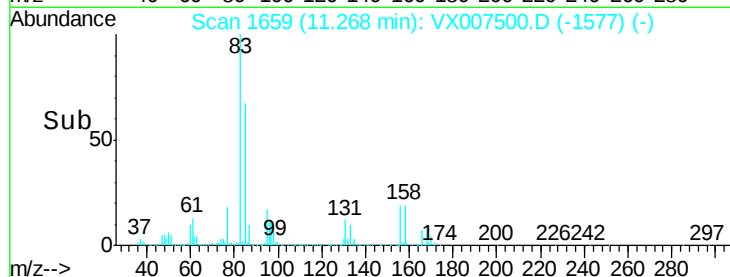
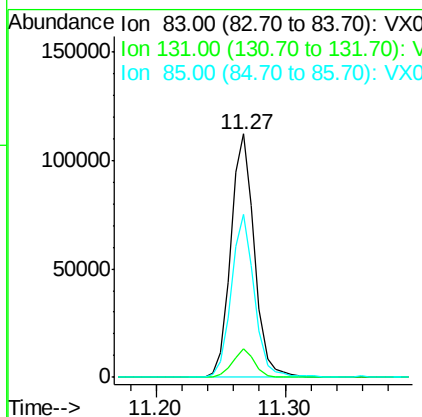
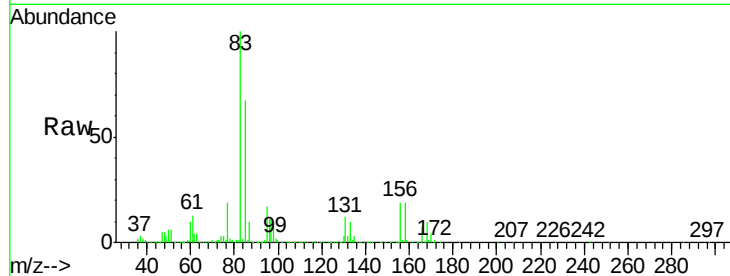
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.185 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX007500.D
 Acq: 12 Feb 2019 23:02

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.4	16.2
85	65.6	32.8	98.4

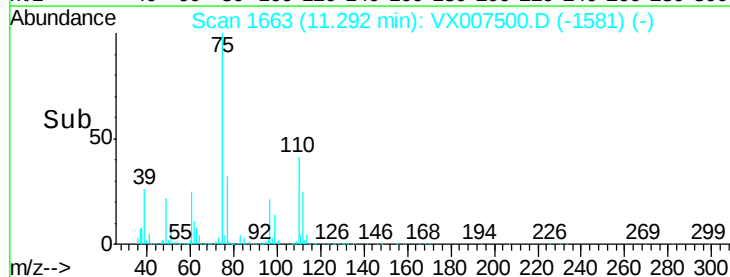
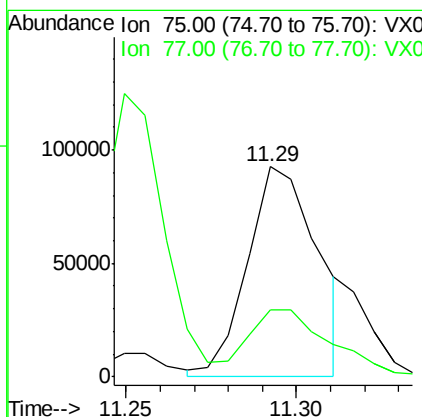
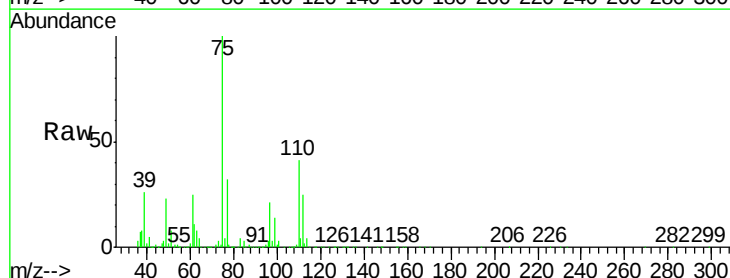
Manual Integrations
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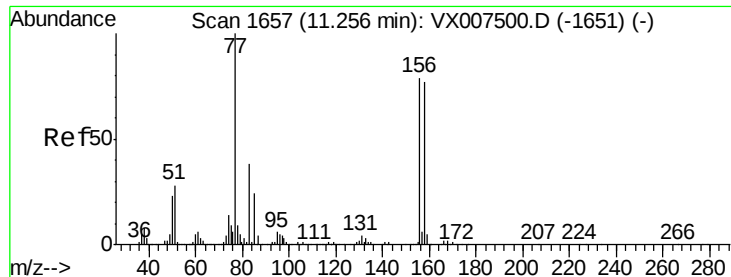
MMDadoda
 2/13/2019 11:52:40 AM



#72
 1,2,3-Trichloropropane
 Concen: 20.846 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX007500.D
 Acq: 12 Feb 2019 23:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	38.2	0.0	76.4





#73

Bromobenzene

Concen: 20.012 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Instrument :

MSVOA_X

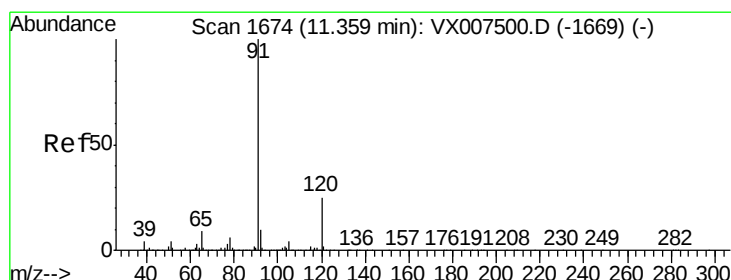
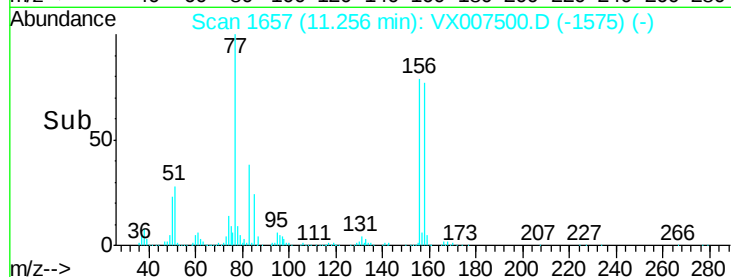
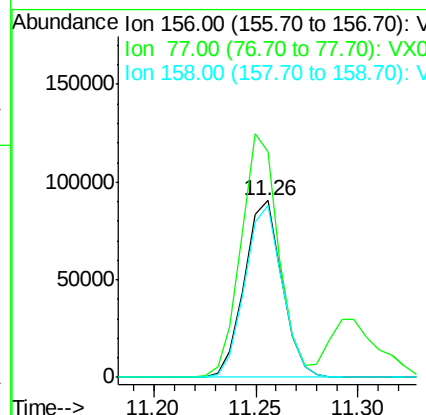
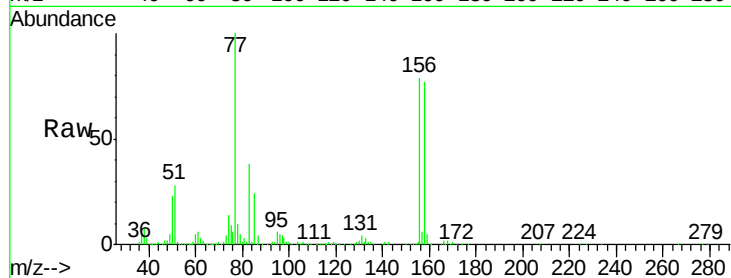
ClientSampleId :

VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
156	100	116233		
77	135.7	0.0	271.4	
158	97.0	0.0	194.0	

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2/13/2019 11:52:40 AM



#74

n-propylbenzene

Concen: 19.877 ug/l

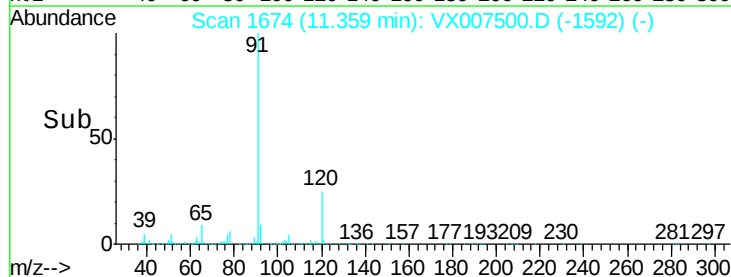
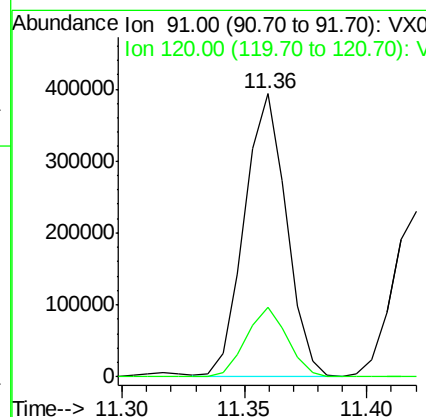
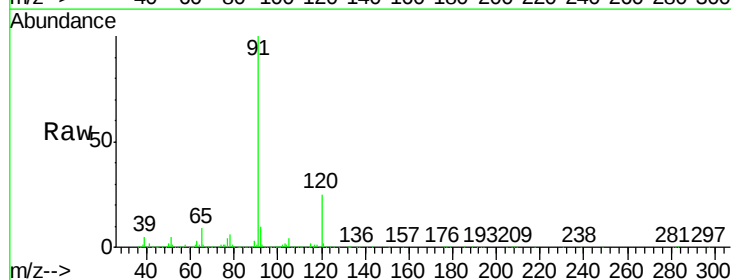
RT: 11.36 min Scan# 1674

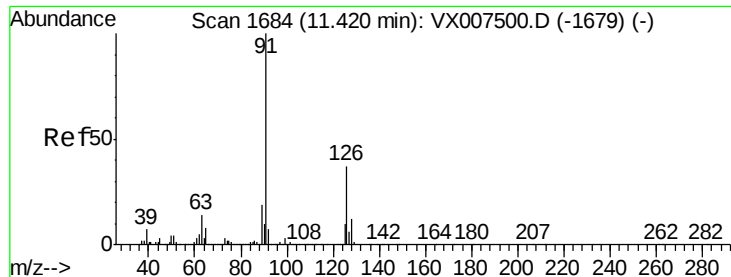
Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	468101		
120	24.3	0.0	48.6	





#75

2-Chlorotoluene

Concen: 20.116 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 91 Resp: 281347

Ion Ratio Lower Upper

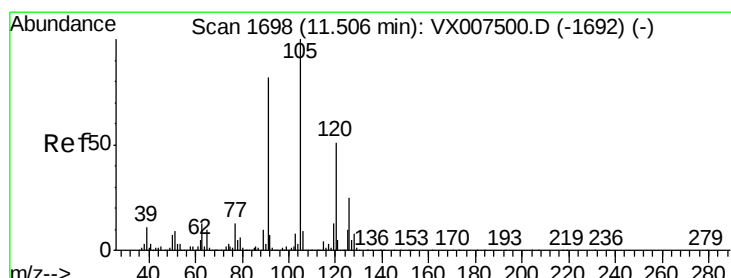
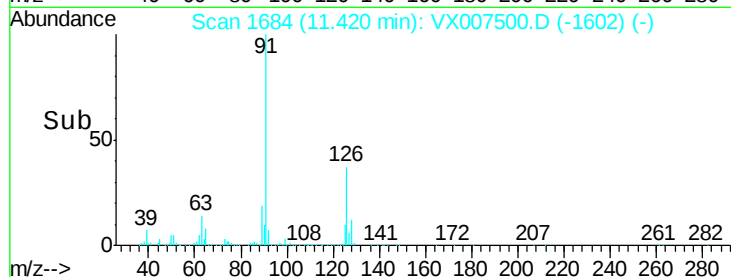
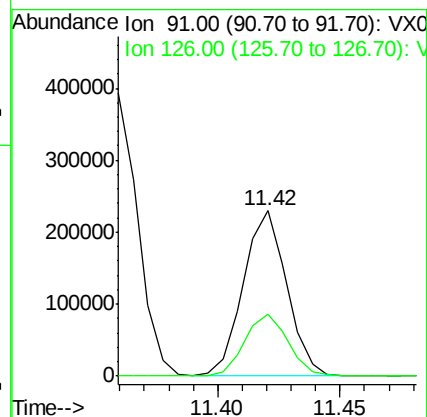
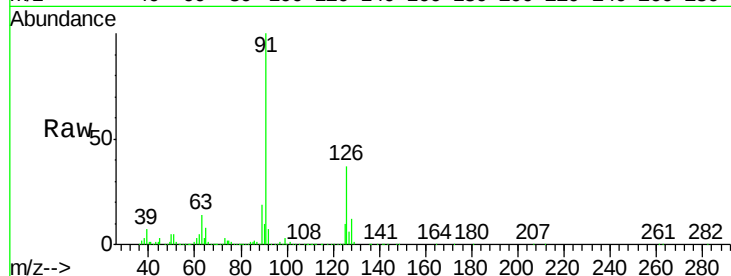
91 100

126 37.6 0.0 75.2

Manual Integrations
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2/13/2019 11:52:40 AM



#76

1,3,5-Trimethylbenzene

Concen: 19.766 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007500.D

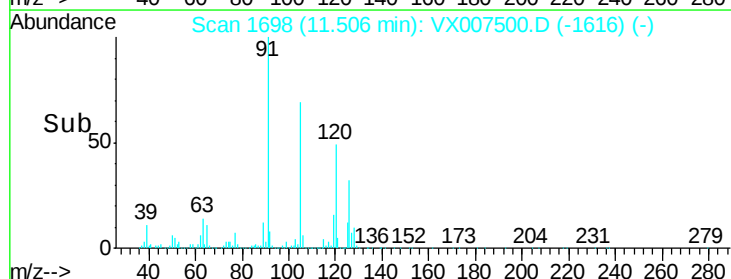
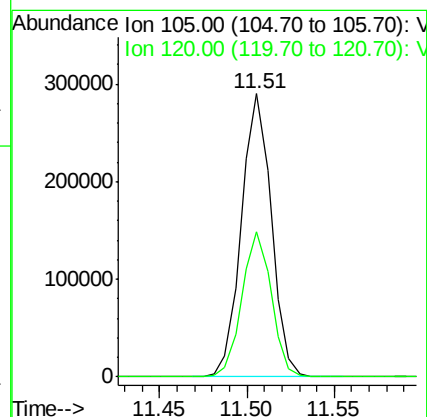
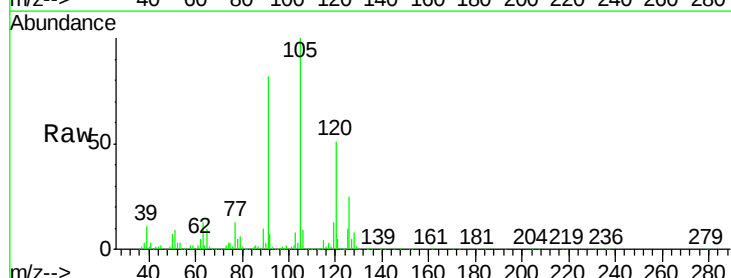
Acq: 12 Feb 2019 23:02

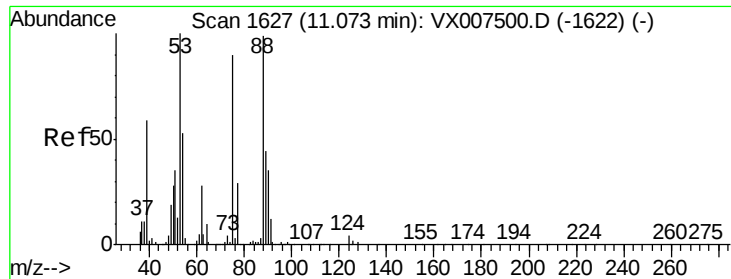
Tgt Ion: 105 Resp: 344815

Ion Ratio Lower Upper

105 100

120 50.5 0.0 101.0





#77

t-1,4-Dichloro-2-butene

Concen: 18.402 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Instrument :

MSVOA_X

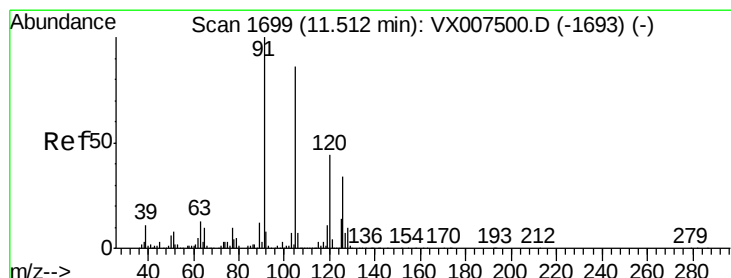
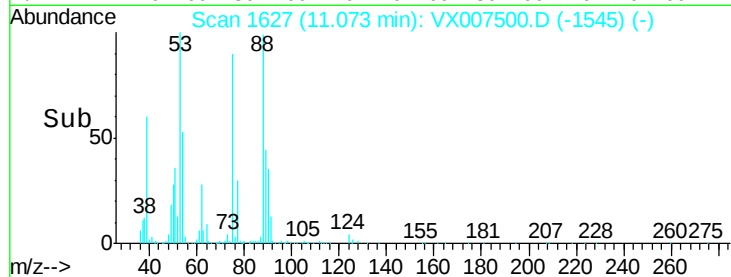
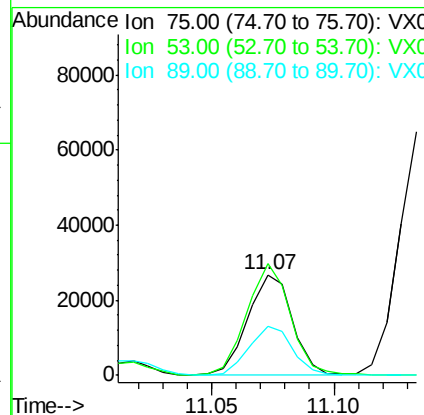
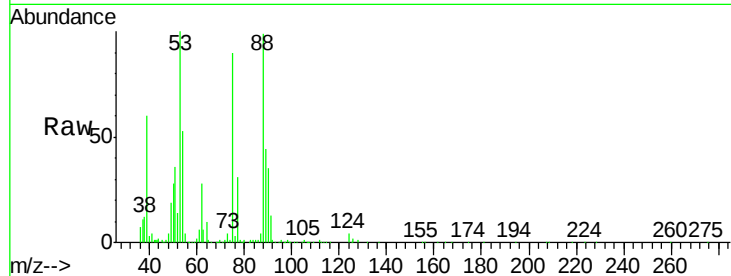
ClientSampleId :

VSTDICCC020

Tot Ion:	75	Resp:	34131
Ion	Ratio	Lower	Upper
75	100		
53	111.1	55.5	166.7
89	48.8	24.4	73.2

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#78

4-Chlorotoluene

Concen: 19.462 ug/l

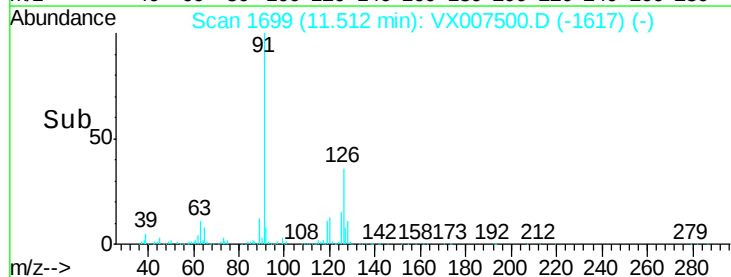
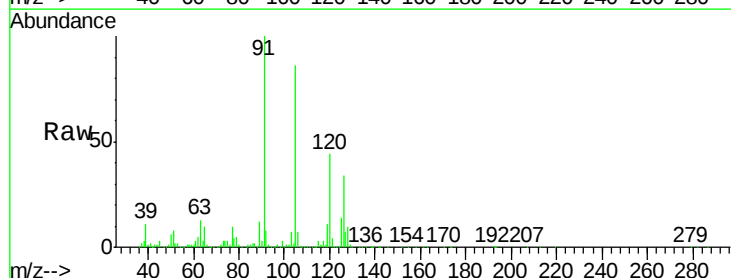
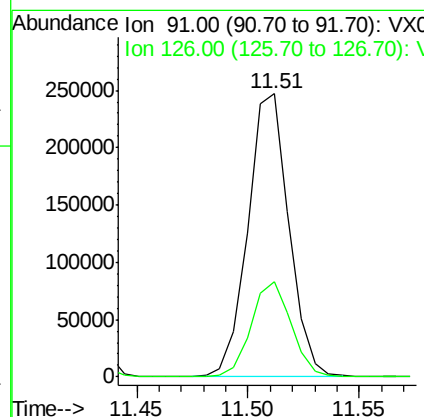
RT: 11.51 min Scan# 1699

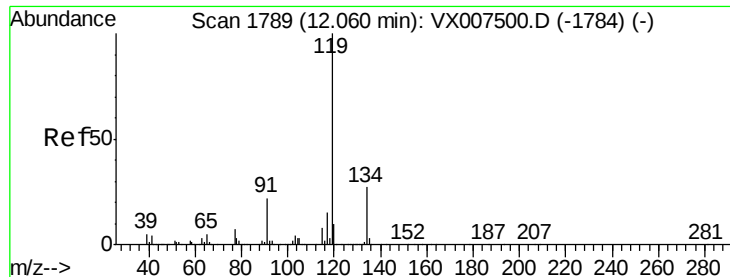
Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Tgt Ion:	91	Resp:	315073
Ion	Ratio	Lower	Upper
91	100		
126	33.1	0.0	66.2





#79

tert-butylbenzene

Concen: 19.342 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Instrument :

MSVOA_X

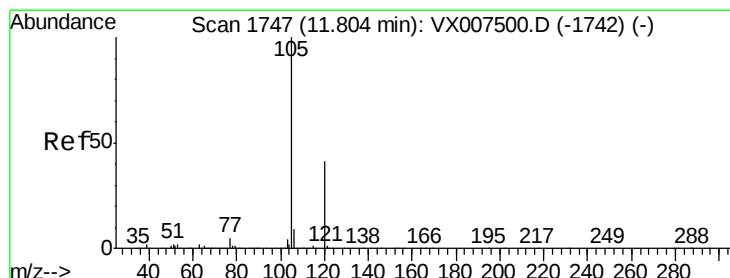
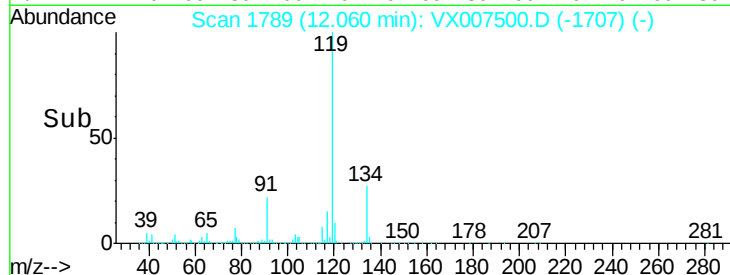
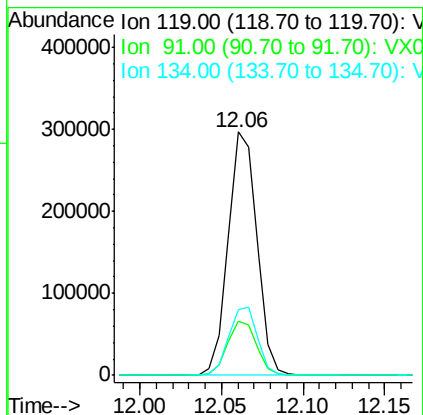
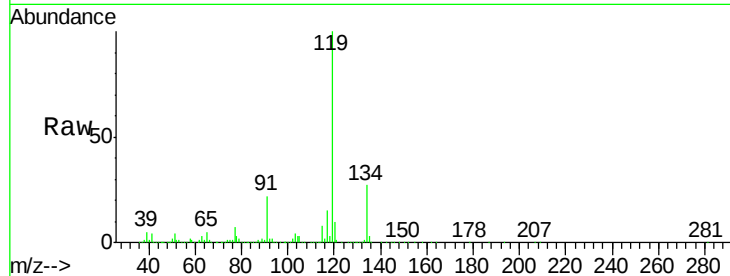
ClientSampleId :

VSTDICCC020

Tot Ion:	119	Resp:	364375
Ion Ratio	Lower	Upper	
119	100		
91	22.5	0.0	45.0
134	27.7	0.0	55.4

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#80

1,2,4-Trimethylbenzene

Concen: 19.965 ug/l

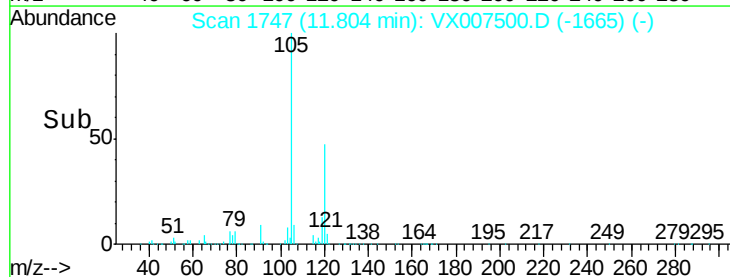
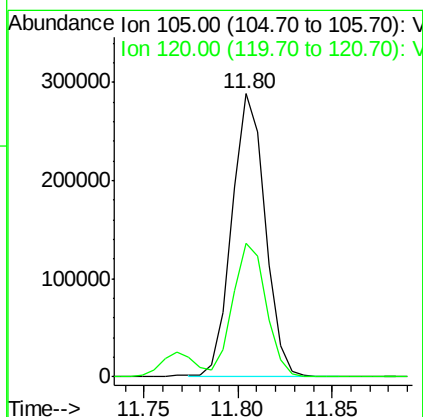
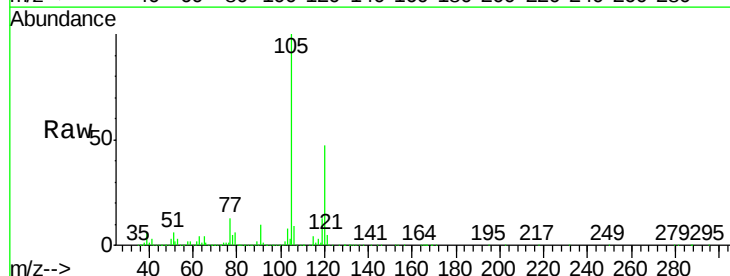
RT: 11.80 min Scan# 1747

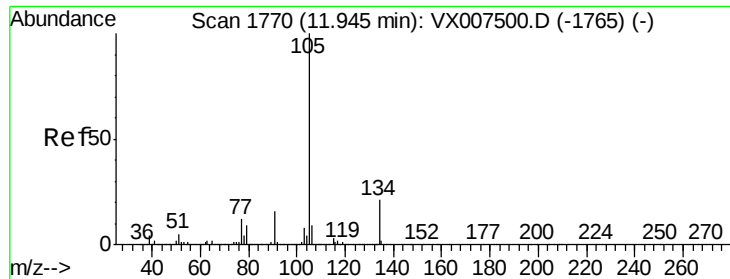
Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Tgt Ion:	105	Resp:	352646
Ion Ratio	Lower	Upper	
105	100		
120	47.0	0.0	94.0





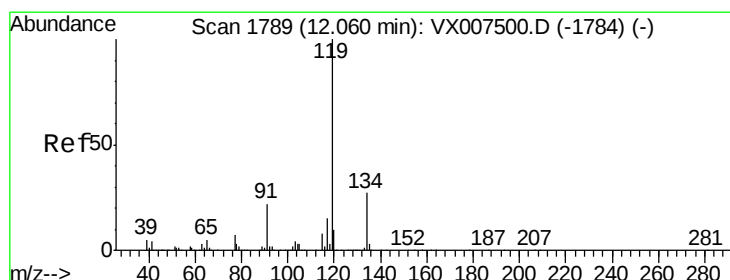
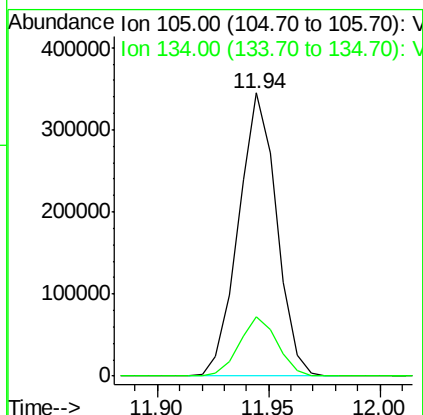
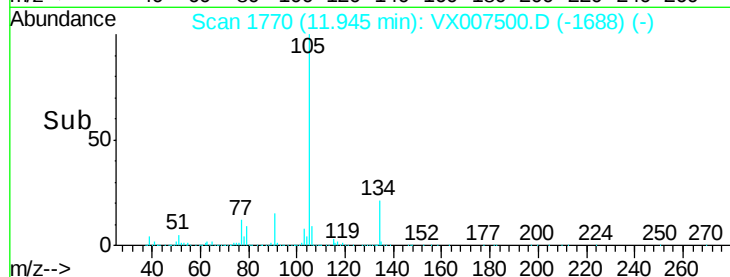
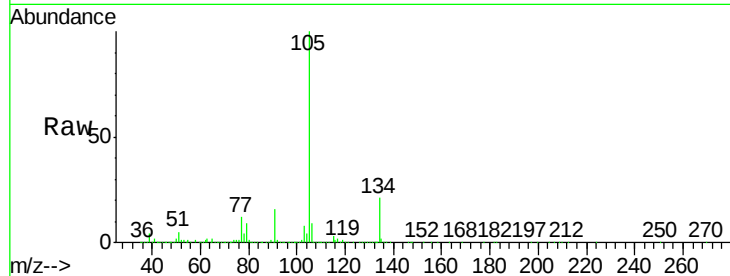
#81
 sec-Butylbenzene
 Concen: 19.616 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX007500.D
 Acq: 12 Feb 2019 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	0.0	41.8

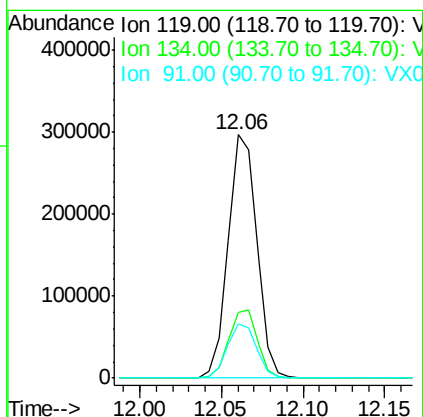
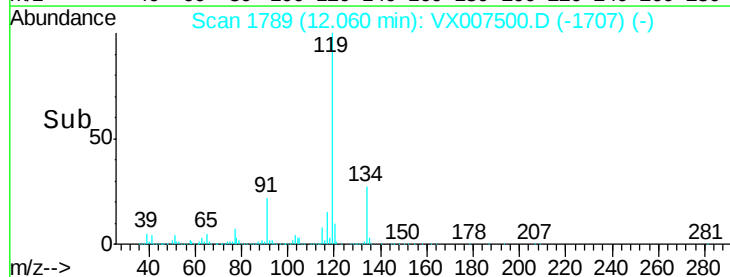
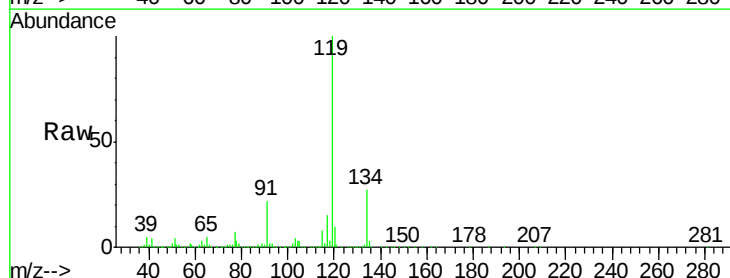
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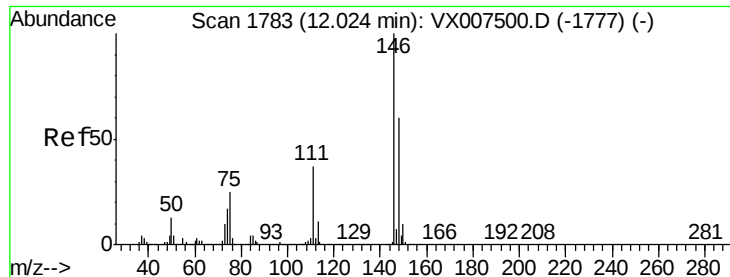
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#82
 p-Isopropyltoluene
 Concen: 19.342 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX007500.D
 Acq: 12 Feb 2019 23:02

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.7	0.0	55.4
91	22.5	0.0	45.0





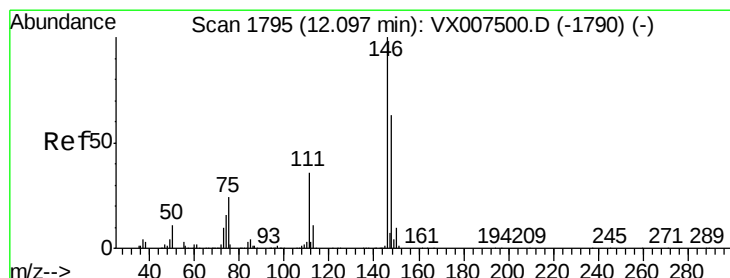
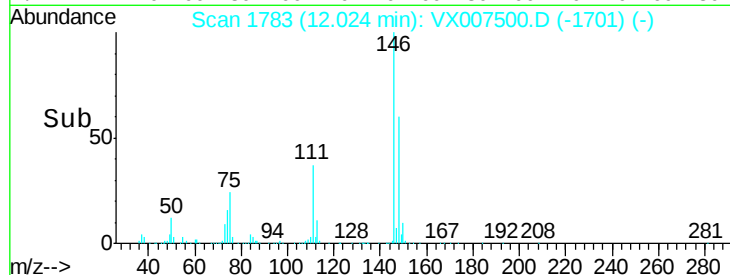
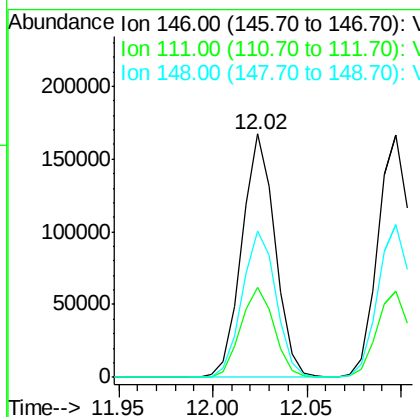
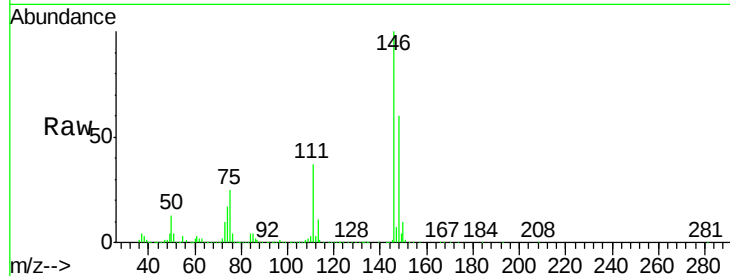
#83
 1,3-Dichlorobenzene
 Concen: 19.809 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007500.D
 Acq: 12 Feb 2019 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.3
148	61.2	30.6	91.8

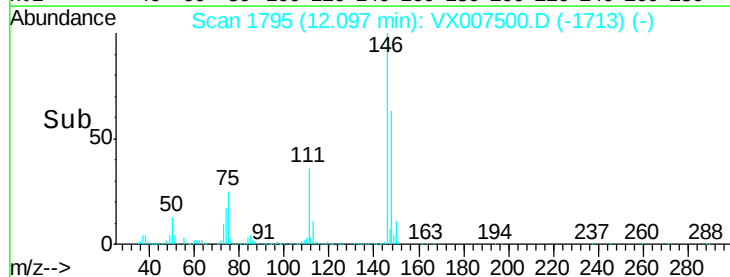
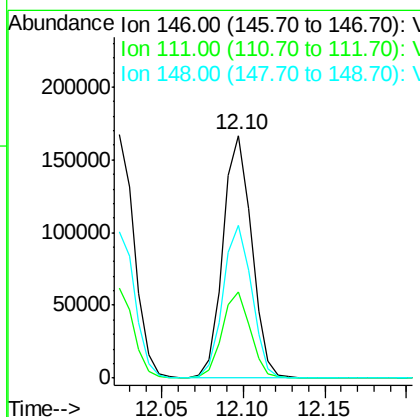
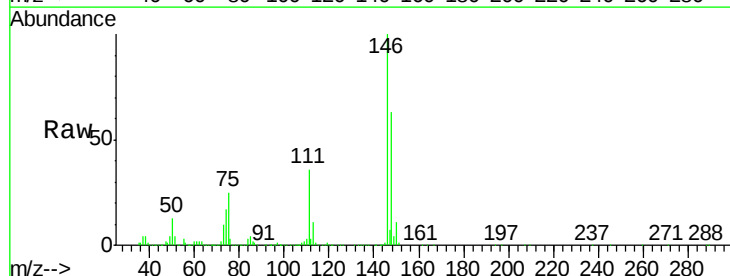
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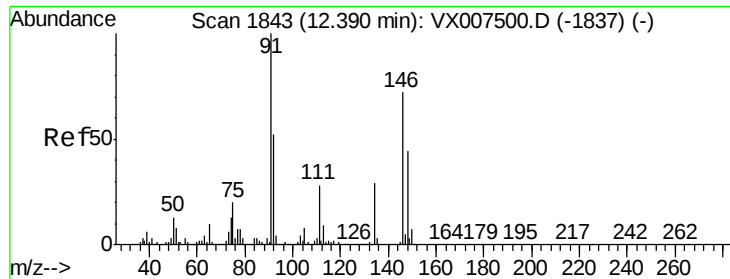
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#84
 1,4-Dichlorobenzene
 Concen: 19.861 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007500.D
 Acq: 12 Feb 2019 23:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.2	17.6	52.8
148	62.8	31.4	94.2





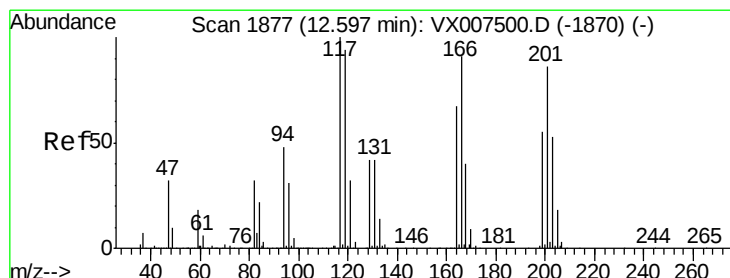
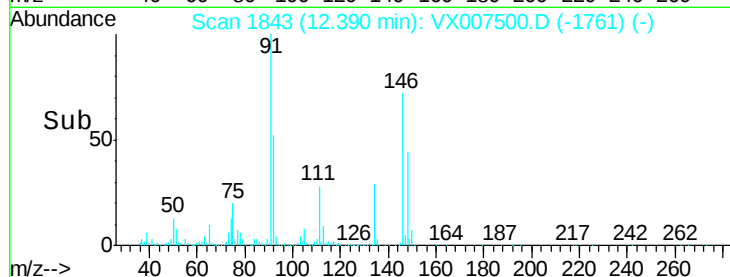
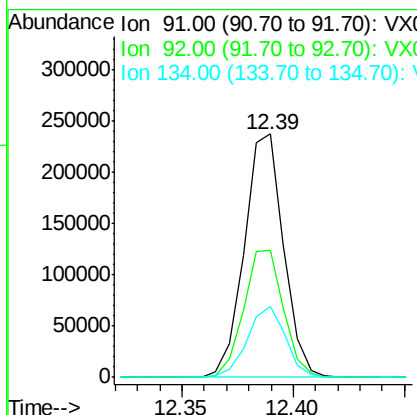
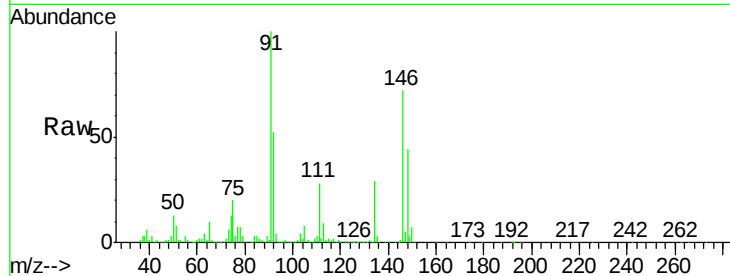
#85
n-Butylbenzene
Concen: 18.159 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX007500.D
Acq: 12 Feb 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	292162		
92	52.6	0.0	105.2	
134	28.2	0.0	56.4	

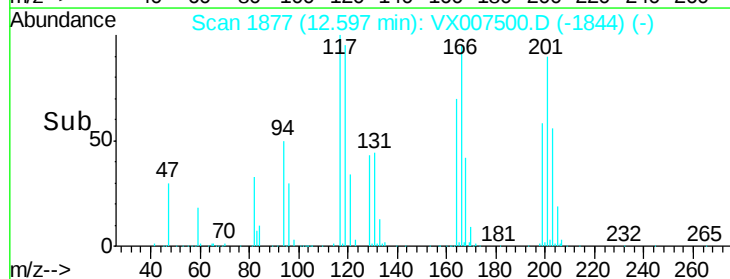
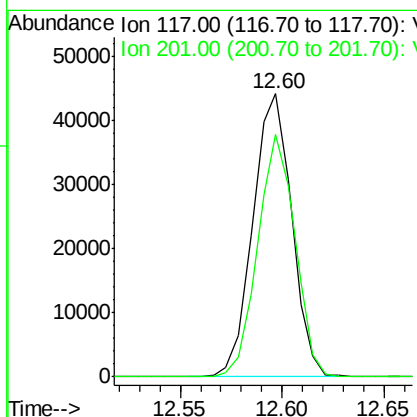
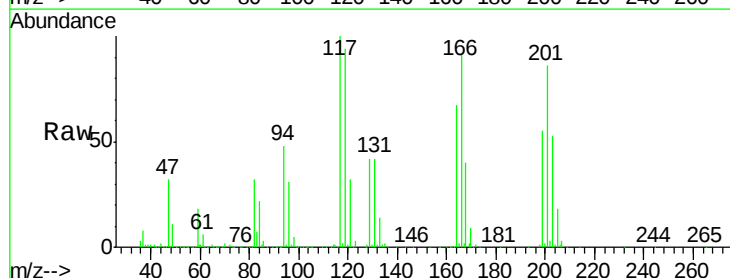
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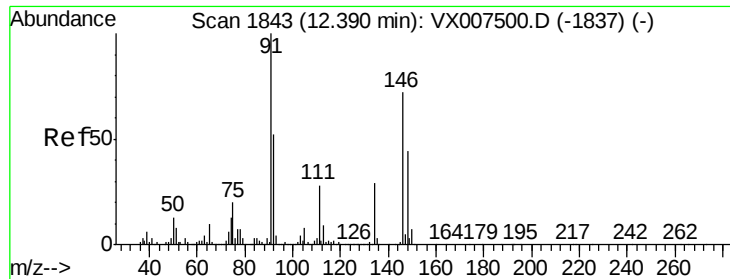
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#86
Hexachloroethane
Concen: 19.691 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007500.D
Acq: 12 Feb 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	58561		
201	82.2	41.1	123.3	





#87

1,2-Dichlorobenzene

Concen: 20.007 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Instrument :

MSVOA_X

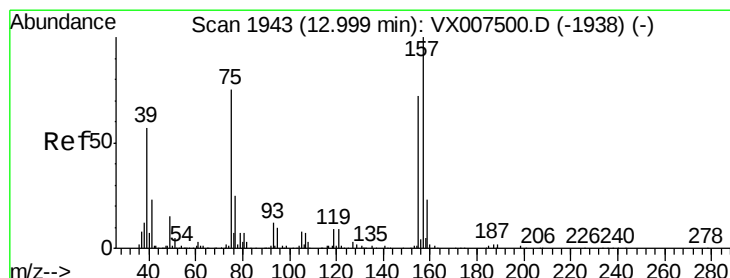
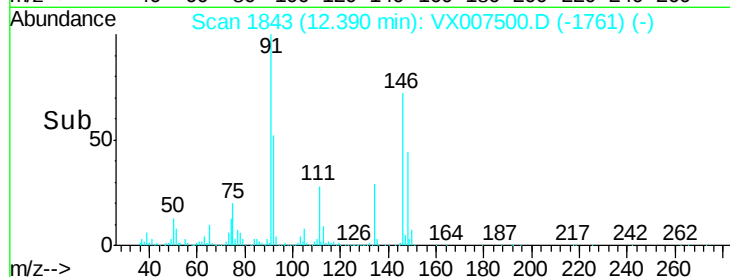
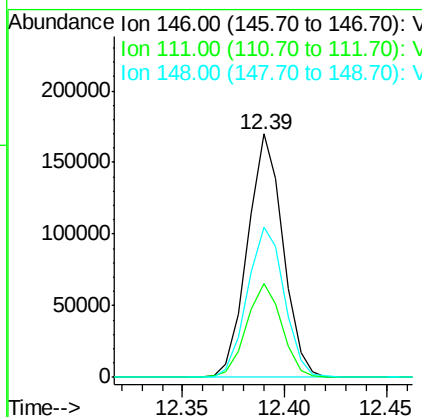
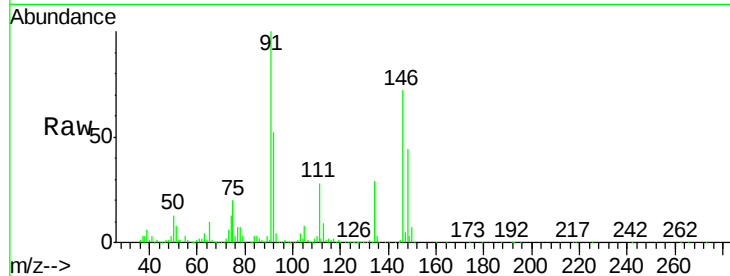
ClientSampleId :

VSTDICCC020

Tot Ion:	146	Resp:	205710
Ion Ratio	Lower	Upper	
146	100		
111	38.5	19.3	57.8
148	64.2	32.1	96.3

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#88

1,2-Dibromo-3-Chloropropane

Concen: 20.257 ug/l

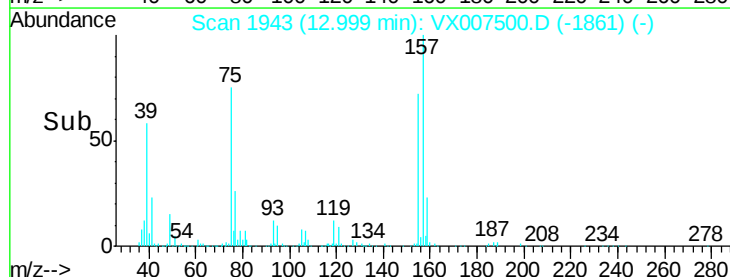
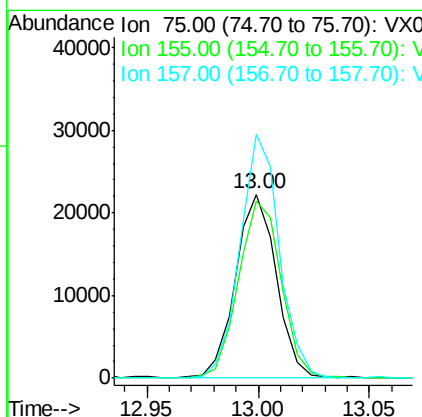
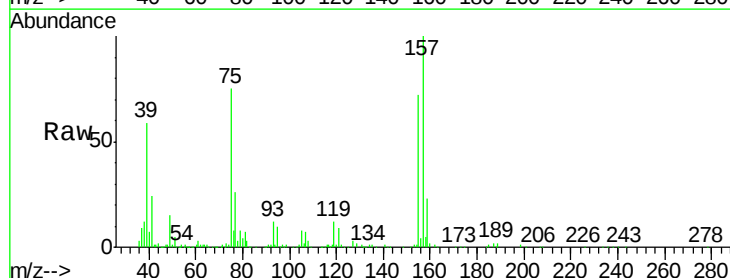
RT: 13.00 min Scan# 1943

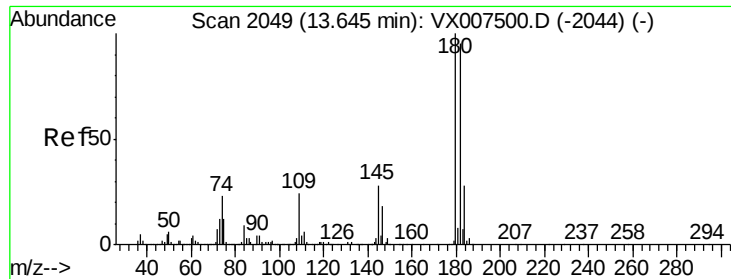
Delta R.T. 0.00 min

Lab File: VX007500.D

Acq: 12 Feb 2019 23:02

Tgt Ion:	75	Resp:	28133
Ion Ratio	Lower	Upper	
75	100		
155	101.3	81.0	121.6
157	129.0	103.2	154.8





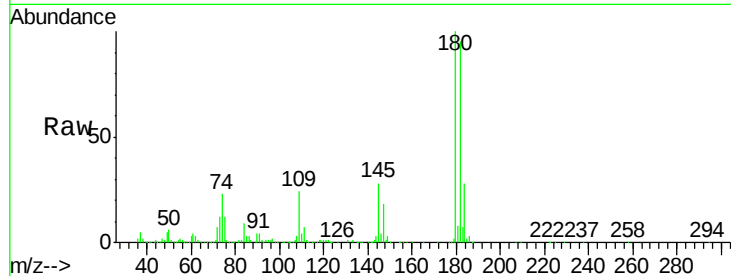
#89
 1,2,4-Trichlorobenzene
 Concen: 18.585 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007500.D
 Acq: 12 Feb 2019 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	129875		
182	94.5	75.6	113.4	
145	28.8	23.0	34.6	

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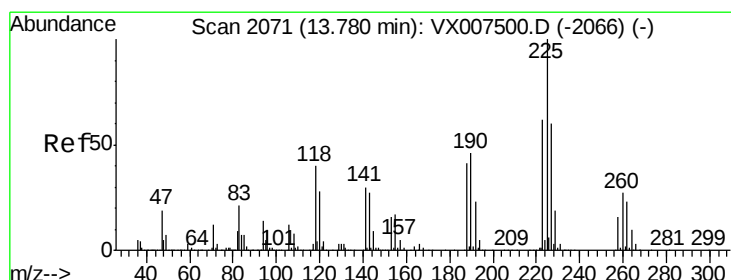
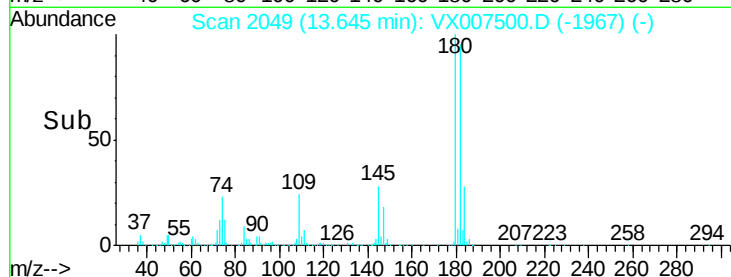
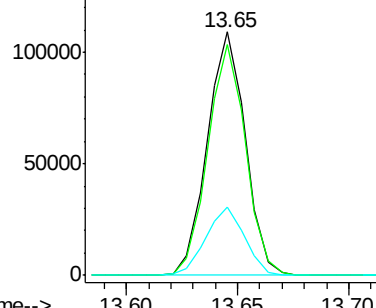


Abundance

Ion 180.00 (179.70 to 180.70): V

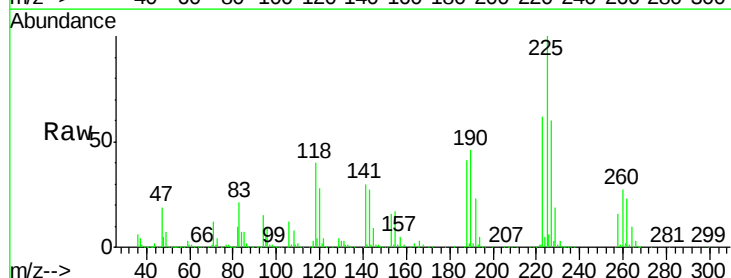
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 18.434 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007500.D
 Acq: 12 Feb 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61342		
223	61.9	0.0	123.8	
227	62.2	0.0	124.4	

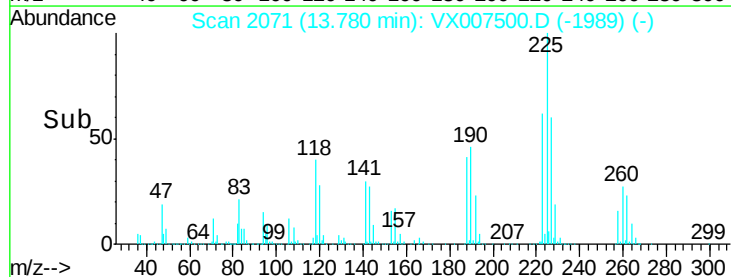
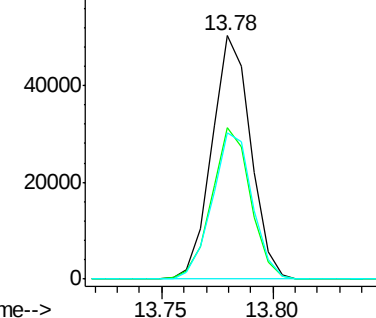


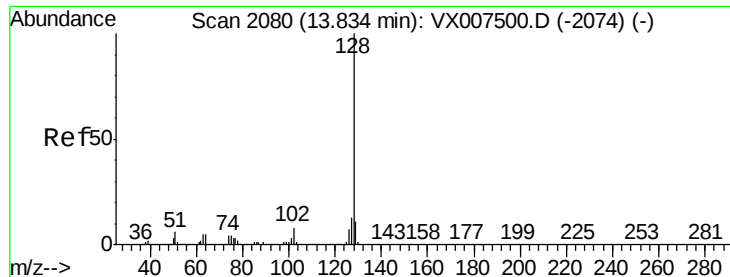
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





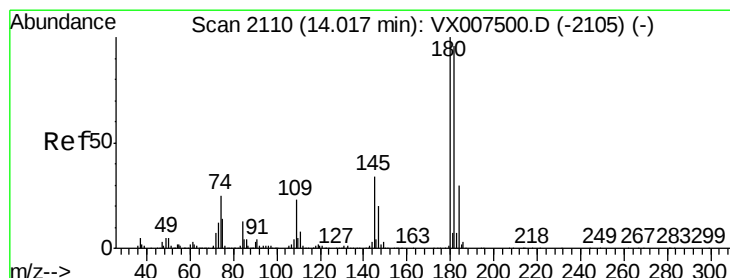
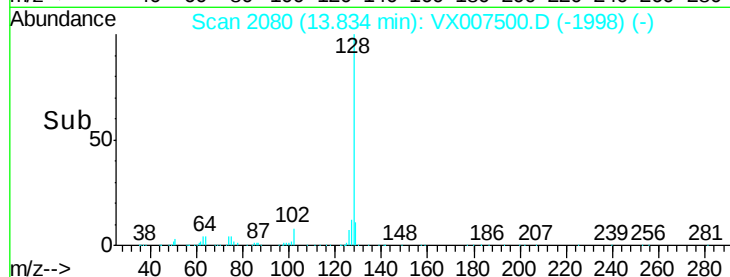
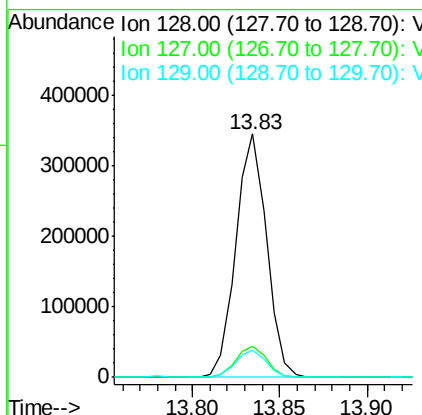
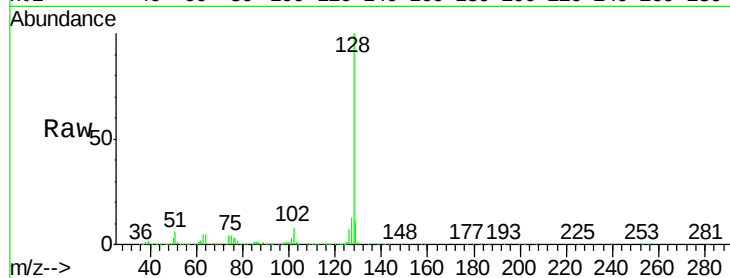
#91
Naphthalene
Concen: 19.722 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007500.D
Acq: 12 Feb 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	421328		
127	13.1	10.5	15.7	
129	11.1	8.9	13.3	

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#92
1,2,3-Trichlorobenzene
Concen: 19.088 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX007500.D
Acq: 12 Feb 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	132415		
182	96.5	0.0	193.0	
145	31.5	0.0	63.0	

