

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031819\
 Data File : VX008164.D
 Acq On : 18 Mar 2019 14:01
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/19/2019 9:37:11 AM

Quant Time: Mar 18 14:35:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Mar 18 11:50:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	62165	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	351475	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	313535	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	155793	29.30	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.67%
60) 4-Bromofluorobenzene	11.13	95	153398	29.10	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.00%
63) Toluene-d8	8.71	98	456439	29.67	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	17036	6.277 ug/l	96
3) Chloromethane	1.32	50	24147	7.193 ug/l	99
4) Vinyl Chloride	1.41	62	24624	7.080 ug/l	96
5) Bromomethane	1.64	94	26448	11.503 ug/l	97
6) Chloroethane	1.72	64	15751	7.518 ug/l	94
7) Trichlorofluoromethane	1.93	101	32704	7.724 ug/l	98
8) Diethyl Ether	2.19	74	14681	6.010 ug/l	79
9) 1,1,2-Trichlorotrifluoroet	2.39	101	18734	6.205 ug/l	93
10) 1,1-Dichloroethene	2.37	96	16826	5.883 ug/l	87
11) Methyl Iodide	2.51	142	19314	5.717 ug/l	98
12) Methyl Acetate	2.78	43	25989	5.460 ug/l	93
13) Acrolein	2.29	56	26780	39.807 ug/l	98
14) Acrylonitrile	3.15	53	62067	29.722 ug/l	98
15) Acetone	2.45	58	19945	27.077 ug/l	92
16) Carbon Disulfide	2.57	76	53165	5.900 ug/l	98
17) Allyl chloride	2.73	41	35735	5.900 ug/l	95
18) Methylene Chloride	2.85	84	20575	6.117 ug/l	88
19) trans-1,2-Dichloroethene	3.17	96	18116	5.895 ug/l	92
20) Diisopropyl ether	3.85	45	72355m	5.939 ug/l	
21) 1,1-Dichloroethane	3.70	63	36628	5.850 ug/l	97
22) cis-1,2-Dichloroethene	4.59	96	20566	5.863 ug/l #	80
23) tert-Butyl Alcohol	3.05	59	22081	28.646 ug/l #	100
24) Methyl tert-Butyl Ether	3.20	73	60468	5.852 ug/l	97
25) Chloroform	5.21	83	34965	5.842 ug/l	92
26) Cyclohexane	5.57	56	34807	5.983 ug/l #	87
29) 1,1-Dichloropropene	5.80	75	26817	5.979 ug/l	93
30) 2-Butanone	4.68	43	93292	27.502 ug/l	93
31) 2,2-Dichloropropane	4.59	77	26018	5.807 ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	27625	5.748 ug/l #	93
33) Carbon Tetrachloride	5.79	117	23083	5.881 ug/l	98
34) Benzene	6.14	78	80759	5.912 ug/l	98
35) Methacrylonitrile	5.04	41	17760	5.742 ug/l	91
36) 1,2-Dichloroethane	6.19	62	29588	5.888 ug/l	100
37) Trichloroethene	7.21	130	19239m	5.981 ug/l	
38) Methylcyclohexane	7.46	83	32122	5.934 ug/l	90
39) 1,2-Dichloropropane	7.51	63	21588	5.812 ug/l	98
40) Dibromomethane	7.66	93	13677	6.024 ug/l	89

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 ALS Vial : 8 Sample Multiplier: 1

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 ClientSampleId :
 VSTDIC005

Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	24973	5.724	ug/l	99
42) Vinyl Acetate	3.81	43	306646m	28.754	ug/l	
43) Ethyl Acetate	4.84	43	33099	5.700	ug/l #	82
44) Isopropyl Acetate	6.45	43	49471	5.734	ug/l	96
45) 1,4-Dioxane	7.74	88	9827	119.635	ug/l #	85
46) Methyl methacrylate	7.77	41	26185	5.717	ug/l	87
47) n-amyl Acetate	10.90	43	39391	5.269	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	24912	5.380	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	29290	5.627	ug/l #	88
50) 1,1,2-Trichloroethane	9.21	97	19389	5.934	ug/l	98
51) Ethyl methacrylate	9.18	69	29317	5.618	ug/l	94
52) 1,3-Dichloropropane	9.37	76	34679	5.833	ug/l	99
53) Dibromochloromethane	9.58	129	17122	5.488	ug/l	99
54) 1,2-Dibromoethane	9.67	107	19610	5.604	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	84642	21.736	ug/l	94
56) Bromoform	10.85	173	11786	5.328	ug/l #	96
58) 4-Methyl-2-Pentanone	8.64	43	166319	27.867	ug/l	95
59) 2-Hexanone	9.49	43	129846	26.699	ug/l	95
61) Tetrachloroethene	9.34	164	18531	6.001	ug/l	97
62) Toluene	8.78	91	85898	5.964	ug/l	98
64) Chlorobenzene	10.13	112	50804	5.896	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.22	131	16788	5.674	ug/l	97
66) Ethyl Benzene	10.25	91	89318	5.893	ug/l	95
67) m/p-Xylenes	10.35	106	65121	11.622	ug/l	90
68) o-Xylene	10.69	106	31009	5.735	ug/l	87
69) Styrene	10.71	104	49516	5.640	ug/l	95
70) Isopropylbenzene	11.02	105	85758	5.879	ug/l	95
71) 1,1,2,2-Tetrachloroethane	11.27	83	29855	5.612	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	25871m	5.555	ug/l	
73) Bromobenzene	11.26	156	21015	6.106	ug/l	81
74) n-propylbenzene	11.36	91	100070	5.882	ug/l	94
75) 2-Chlorotoluene	11.42	91	60352	5.904	ug/l	90
76) 1,3,5-Trimethylbenzene	11.51	105	68695	5.702	ug/l	96
77) t-1,4-Dichloro-2-butene	11.07	75	7485	4.920	ug/l	87
78) 4-Chlorotoluene	11.51	91	67604	5.837	ug/l	92
79) tert-butylbenzene	12.06	119	69508	5.765	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	70014	5.777	ug/l	95
81) sec-Butylbenzene	11.94	105	83508	5.845	ug/l	96
82) p-Isopropyltoluene	12.06	119	69508	5.765	ug/l	96
83) 1,3-Dichlorobenzene	12.02	146	36317	5.859	ug/l	95
84) 1,4-Dichlorobenzene	12.10	146	36266	6.034	ug/l	96
85) n-Butylbenzene	12.38	91	63260	5.787	ug/l	96
86) Hexachloroethane	12.60	117	11428	5.607	ug/l	93
87) 1,2-Dichlorobenzene	12.39	146	35912	5.826	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.00	75	6220	5.595	ug/l #	74
89) 1,2,4-Trichlorobenzene	13.65	180	21982	5.703	ug/l	97
90) Hexachlorobutadiene	13.78	225	12797	6.446	ug/l	98
91) Naphthalene	13.83	128	68526	5.415	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	22462	5.822	ug/l	99

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Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

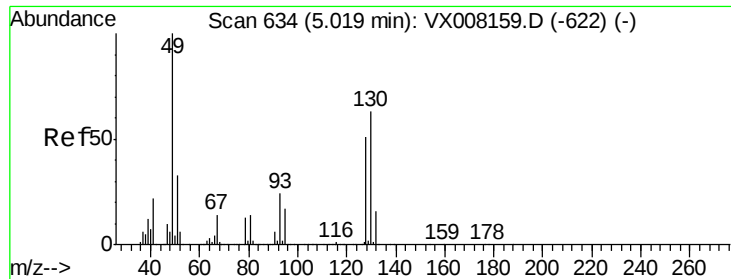
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Instrument :

MSVOA_X

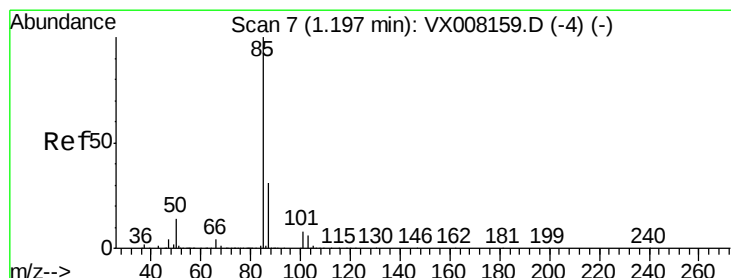
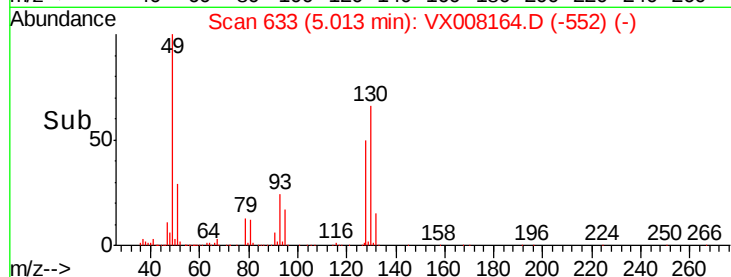
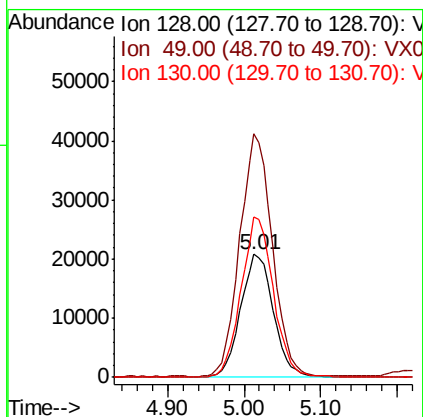
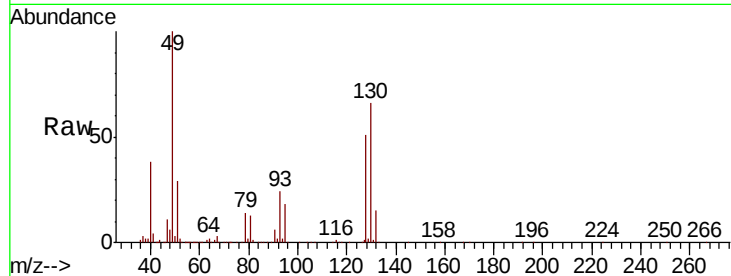
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	62165
Ion	Ratio	Lower	Upper
128	100		
49	197.6	0.0	350.8
130	127.1	0.0	325.8

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#2

Dichlorodifluoromethane

Concen: 6.277 ug/l

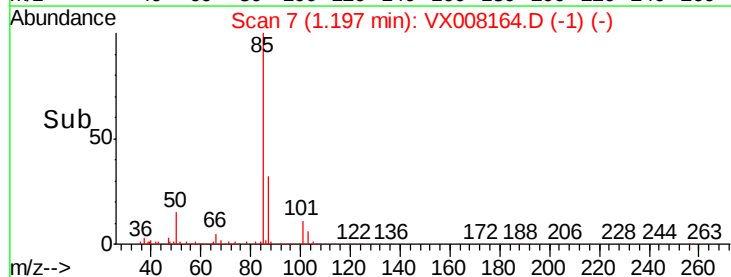
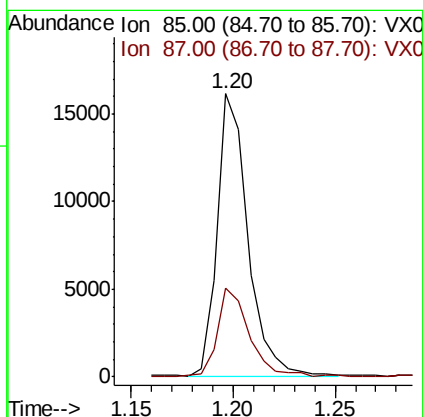
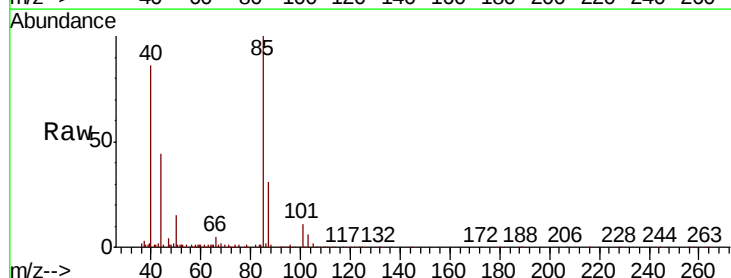
RT: 1.20 min Scan# 7

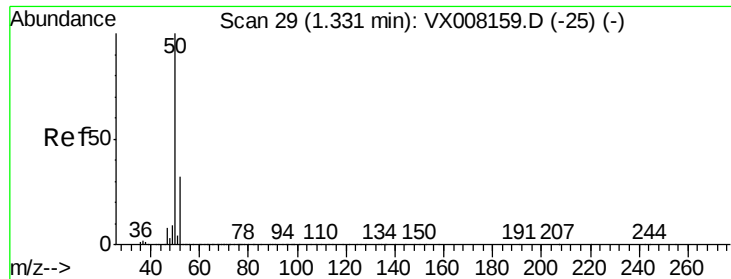
Delta R.T. -0.00 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Tgt Ion:	85	Resp:	17036
Ion	Ratio	Lower	Upper
85	100		
87	31.1	16.6	49.8





#3

Chloromethane

Concen: 7.193 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 24147

Ion Ratio Lower Upper

50 100

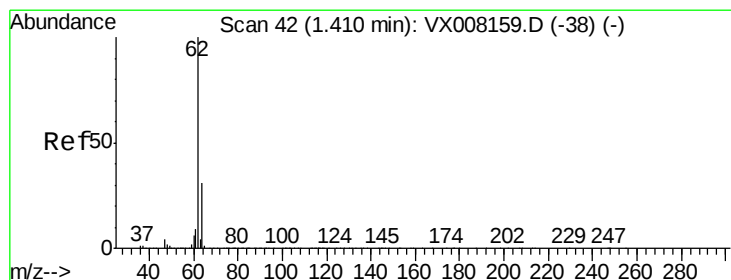
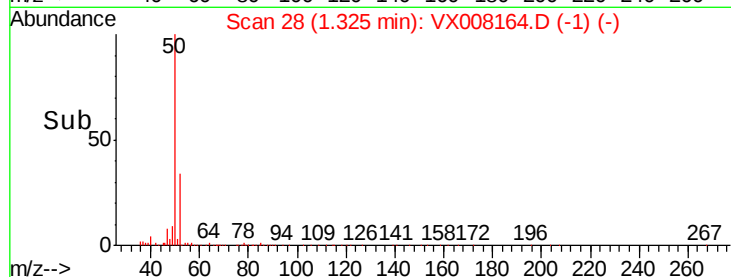
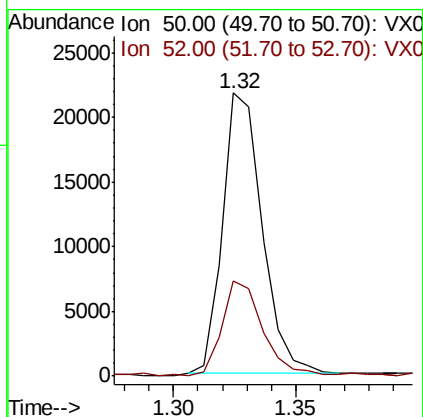
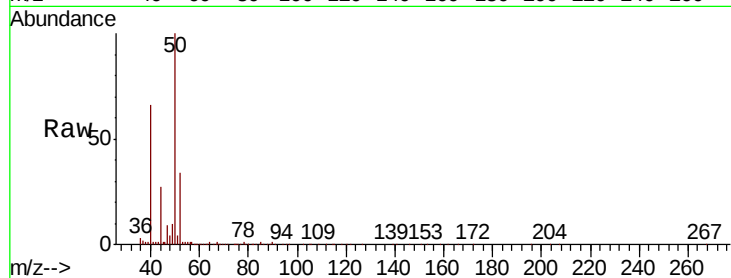
52 33.8 27.5 41.3

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#4

Vinyl Chloride

Concen: 7.080 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008164.D

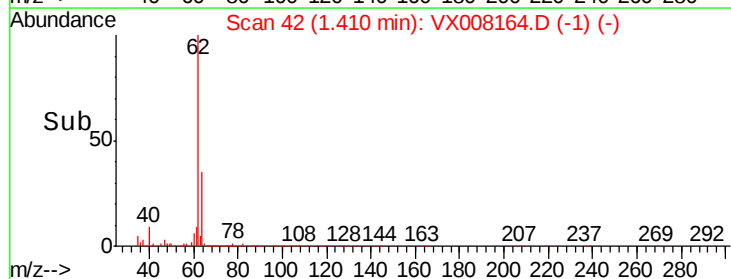
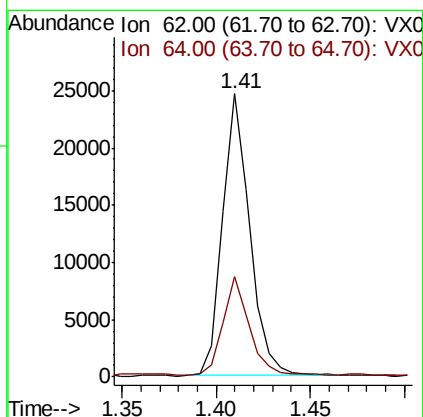
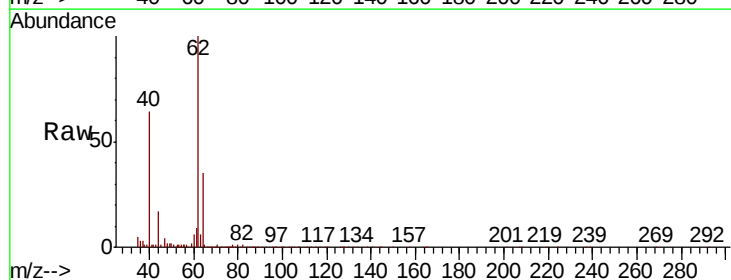
Acq: 18 Mar 2019 14:01

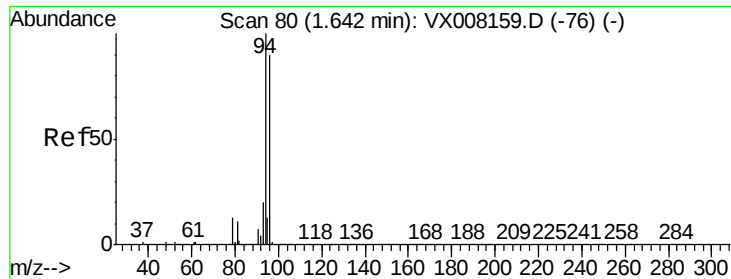
Tgt Ion: 62 Resp: 24624

Ion Ratio Lower Upper

62 100

64 34.8 25.9 38.9





#5

Bromomethane

Concen: 11.503 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 26448

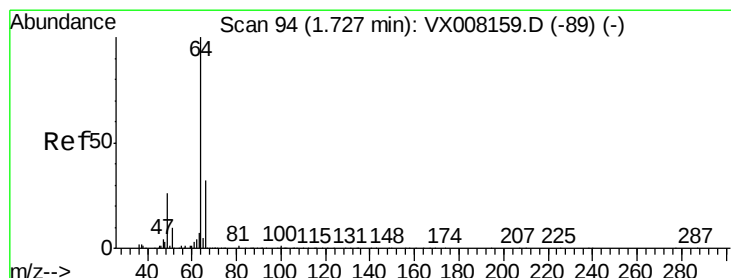
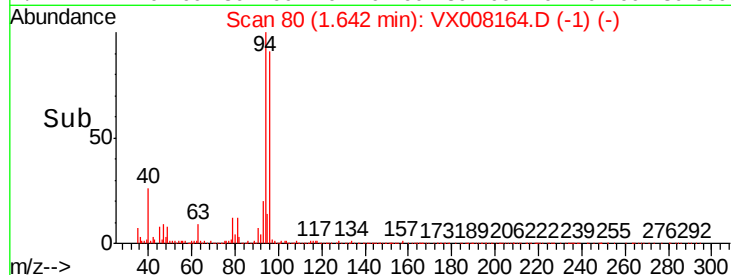
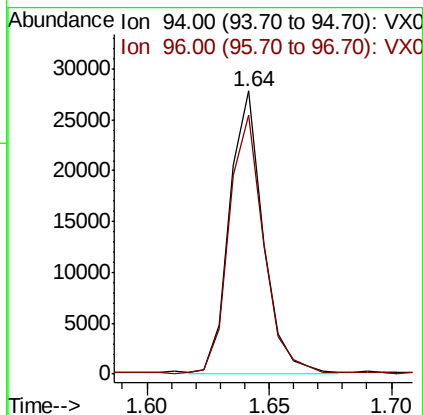
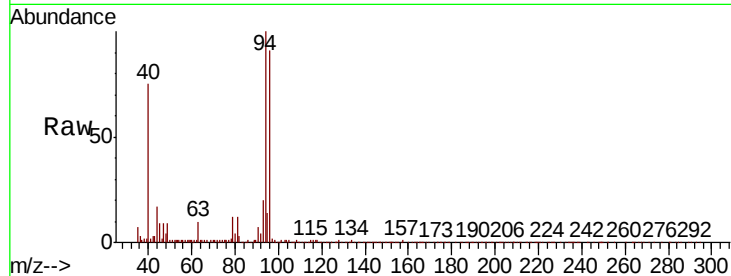
Ion Ratio Lower Upper

94 100

96 91.3 75.6 113.4

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#6

Chloroethane

Concen: 7.518 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.01 min

Lab File: VX008164.D

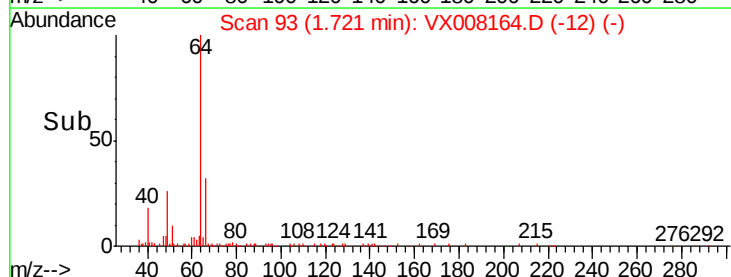
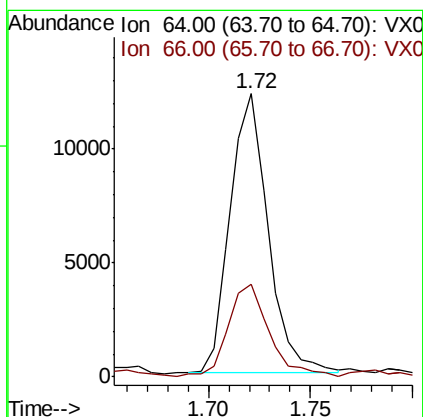
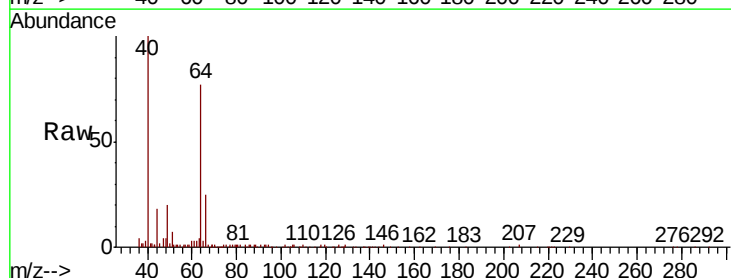
Acq: 18 Mar 2019 14:01

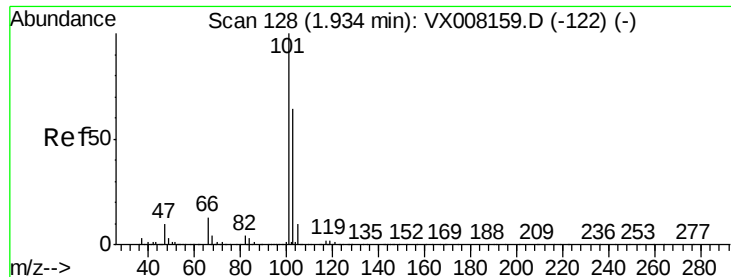
Tgt Ion: 64 Resp: 15751

Ion Ratio Lower Upper

64 100

66 33.1 23.9 35.9





#7

Trichlorofluoromethane

Concen: 7.724 ug/l

RT: 1.93 min Scan# 127

Delta R.T. -0.01 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 32704

Ion Ratio Lower Upper

101 100

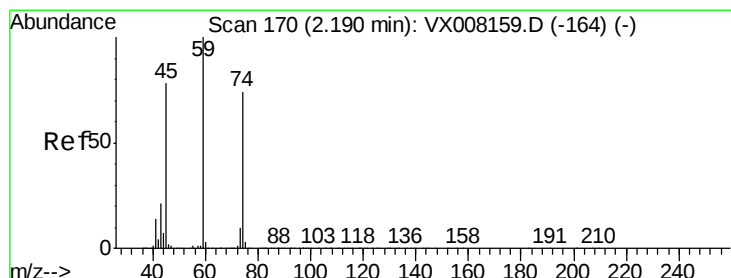
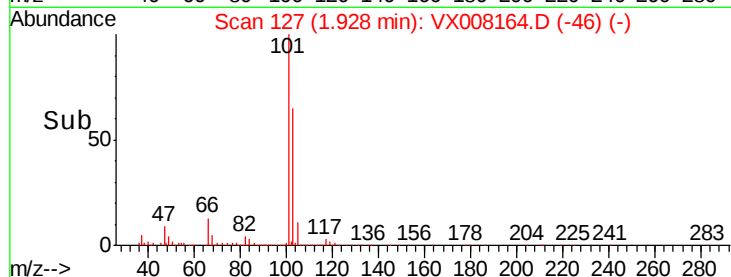
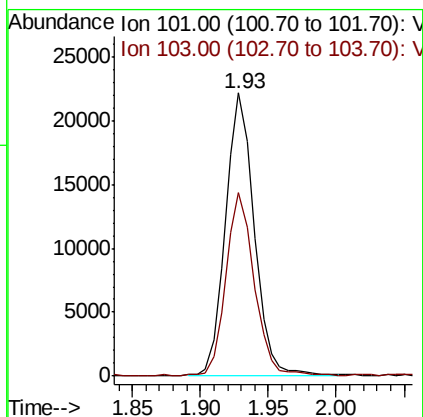
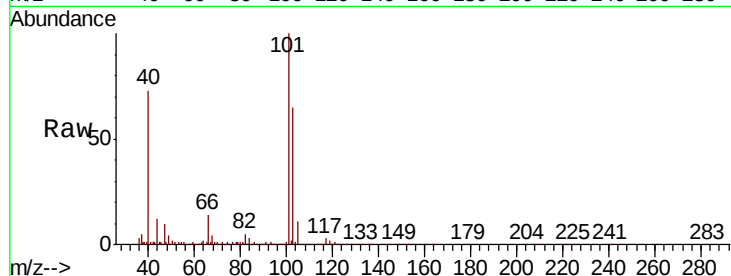
103 64.9 50.4 75.6

Manual Integrations

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#8

Diethyl Ether

Concen: 6.010 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX008164.D

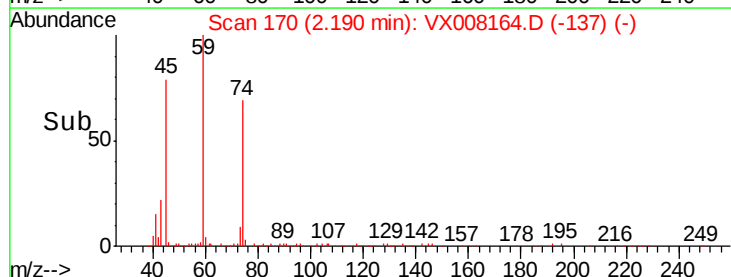
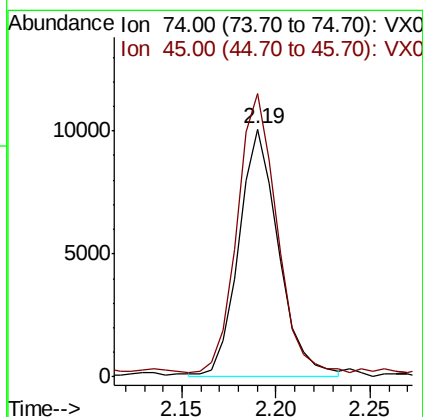
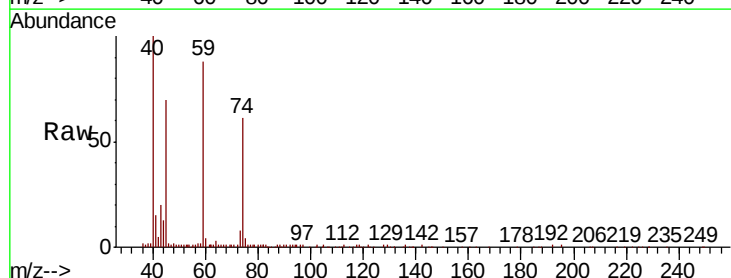
Acq: 18 Mar 2019 14:01

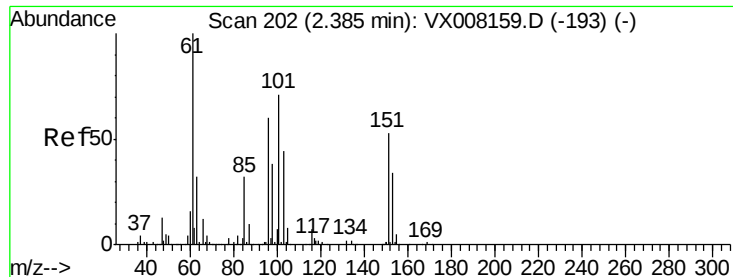
Tgt Ion: 74 Resp: 14681

Ion Ratio Lower Upper

74 100

45 113.3 18.6 167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.205 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX008164.D

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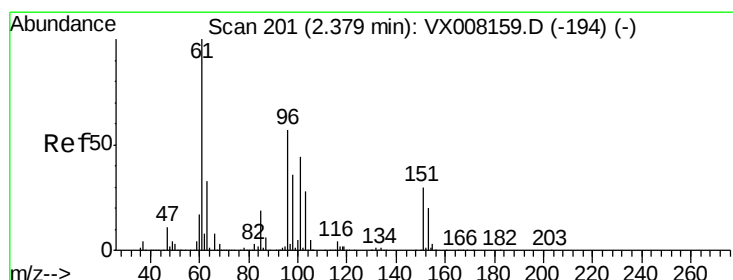
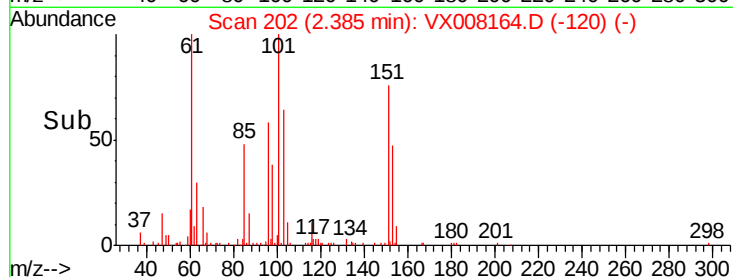
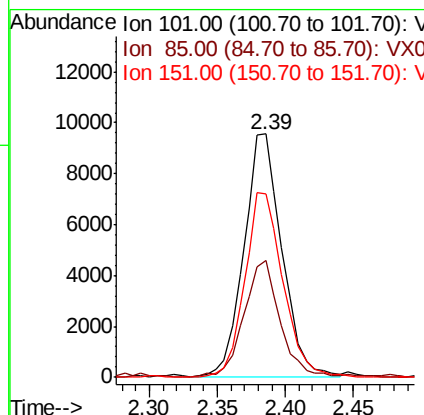
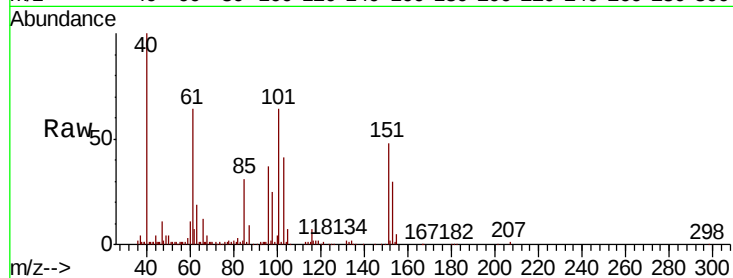
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	18734
Ion Ratio	Lower	Upper	
101	100		
85	44.9	0.0	86.8
151	76.4	0.0	169.2

Manual Integrations
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3/19/2019 9:37:11 AM



#10

1,1-Dichloroethene

Concen: 5.883 ug/l

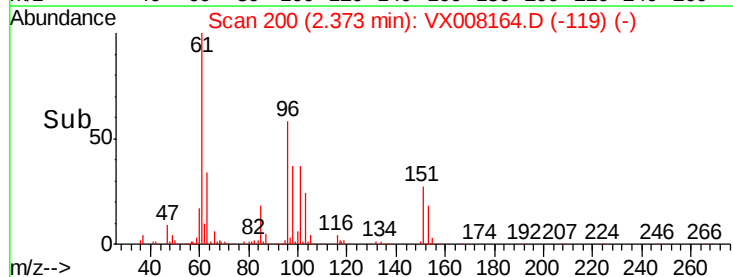
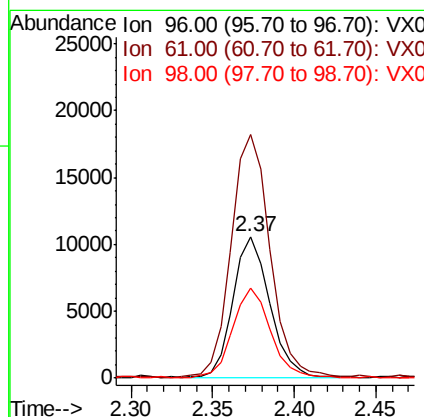
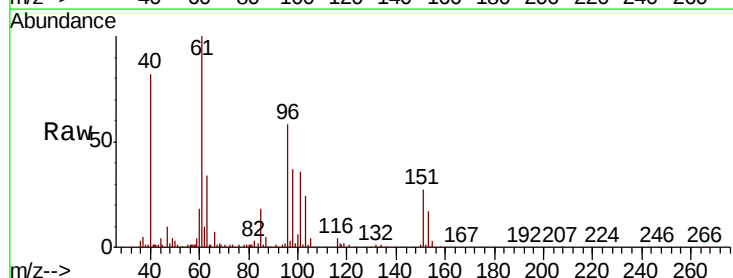
RT: 2.37 min Scan# 200

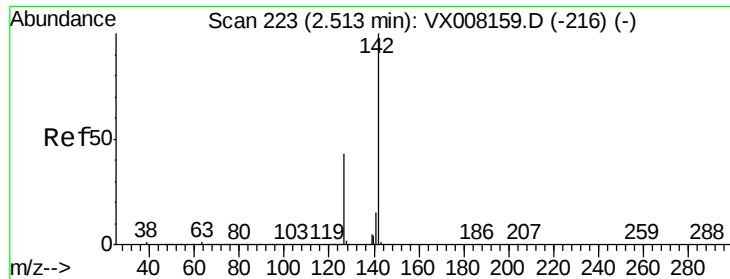
Delta R.T. -0.01 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Tgt Ion:	96	Resp:	16826
Ion Ratio	Lower	Upper	
96	100		
61	172.3	120.2	180.2
98	64.0	49.0	73.4





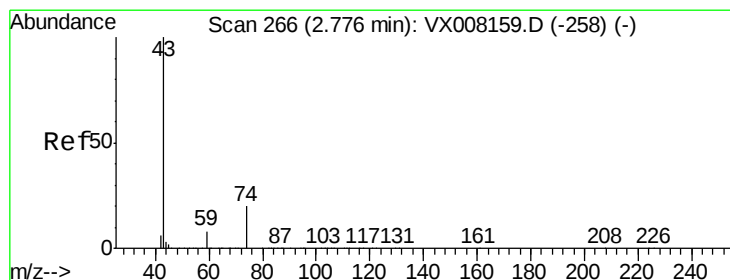
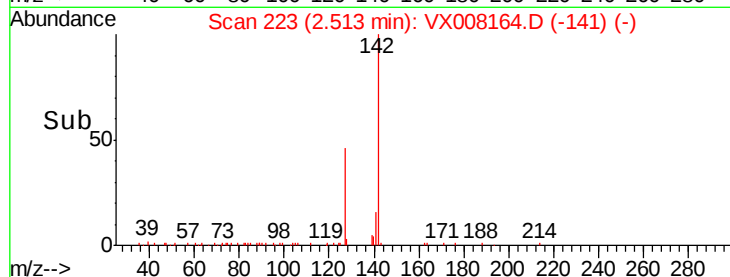
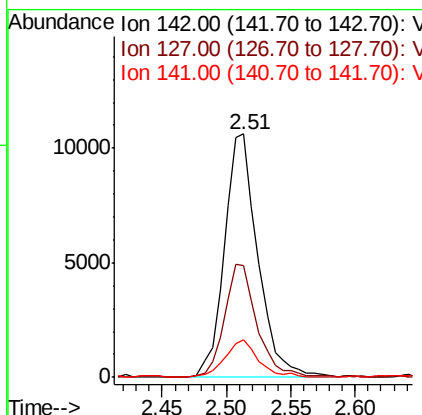
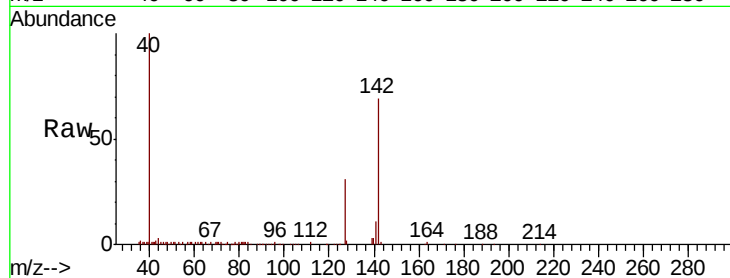
#11
Methvl Iodide
Concen: 5.717 ug/l
RT: 2.51 min Scan# 223
Delta R.T. -0.00 min
Lab File: VX008164.D
Acq: 18 Mar 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
142	100		
127	45.8	22.1	66.5
141	15.6	7.4	22.3

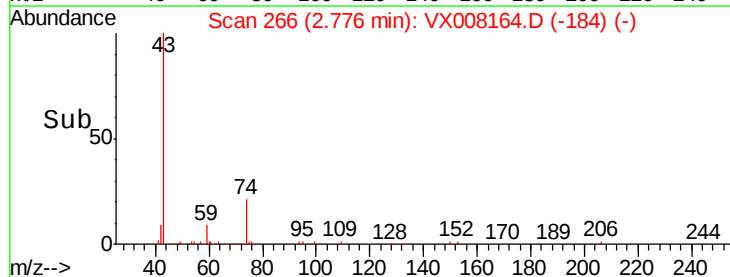
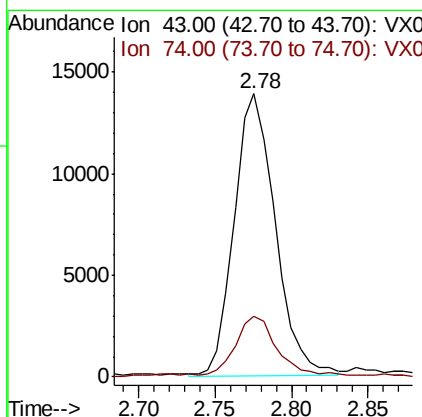
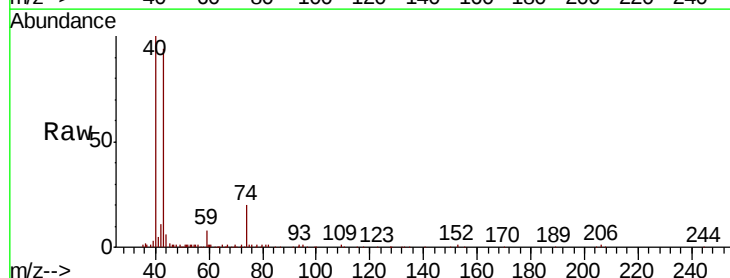
Manual Integrations
APPROVED

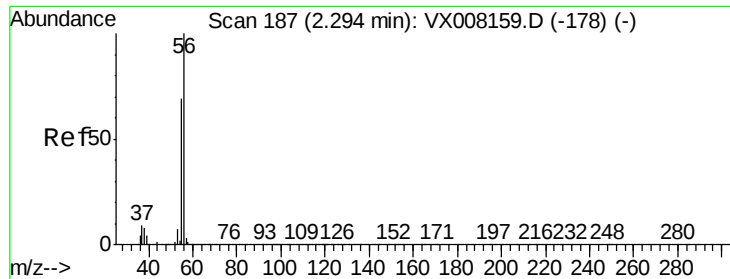
MMDadoda
3/19/2019 9:37:11 AM



#12
Methyl Acetate
Concen: 5.460 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX008164.D
Acq: 18 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.9	19.4	29.0





#13

Acrolein

Concen: 39.807 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 26780

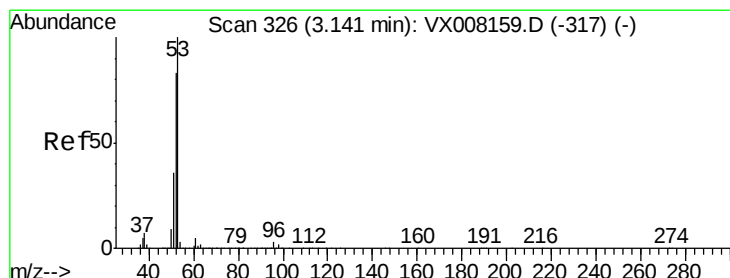
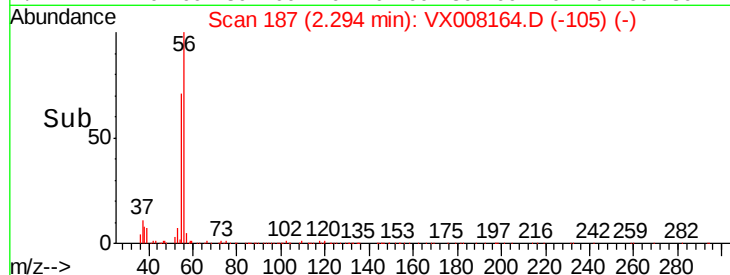
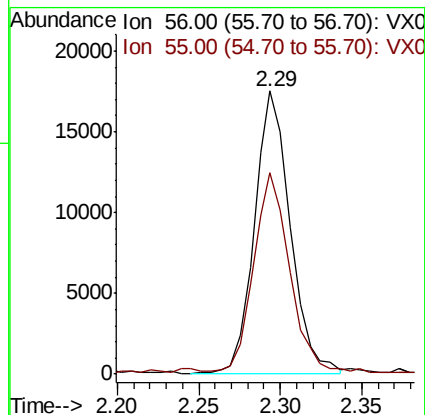
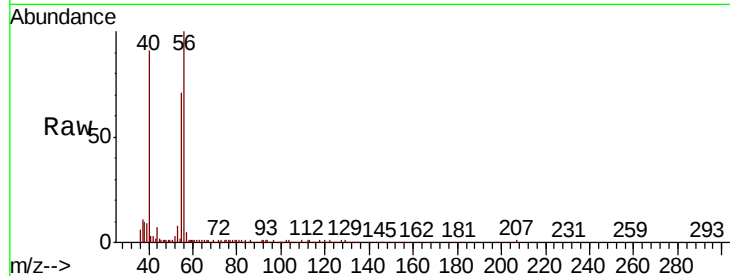
Ion Ratio Lower Upper

56 100

55 71.3 58.6 87.8

Manual Integrations
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#14

Acrylonitrile

Concen: 29.722 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

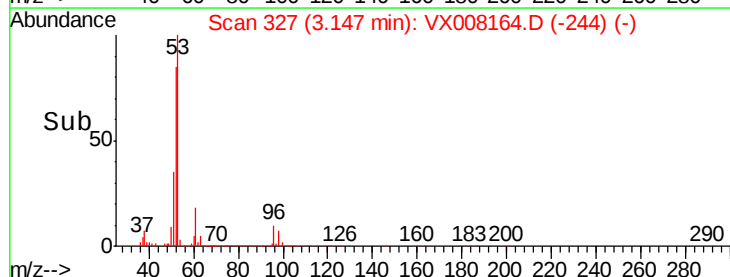
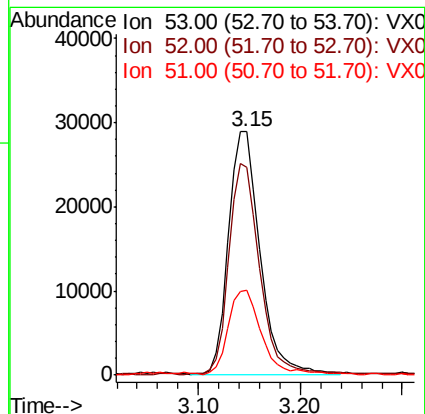
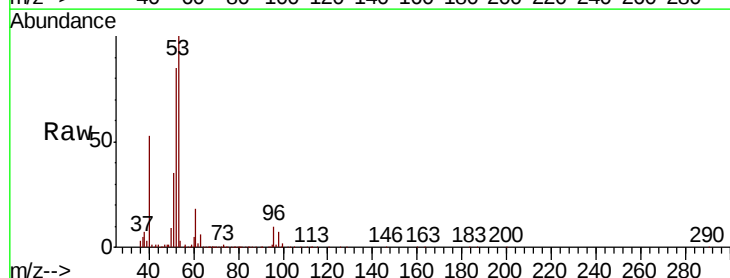
Tgt Ion: 53 Resp: 62067

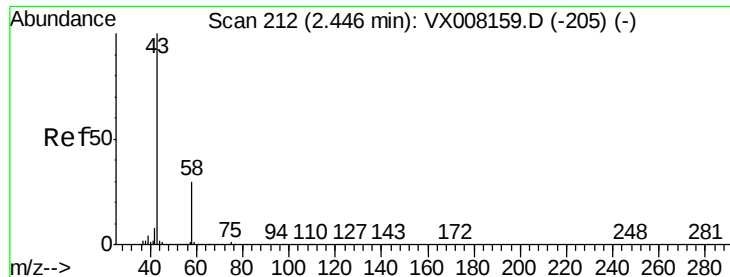
Ion Ratio Lower Upper

53 100

52 84.6 41.3 124.1

51 34.5 17.5 52.6





#15

Acetone

Concen: 27.077 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 58 Resp: 19945

Ion Ratio Lower Upper

58 100

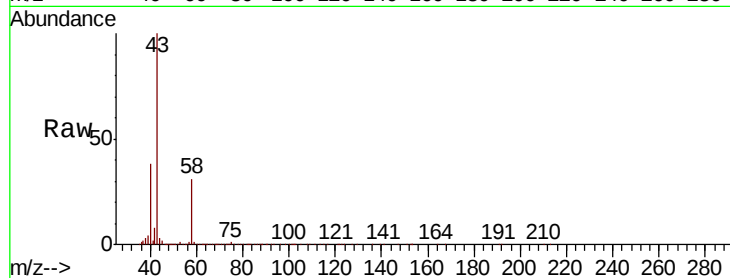
43 327.4 249.8 374.6

Manual Integrations

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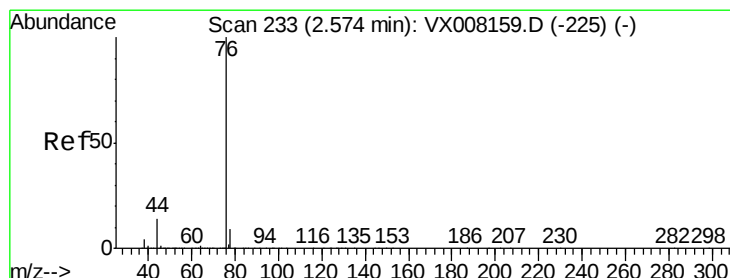
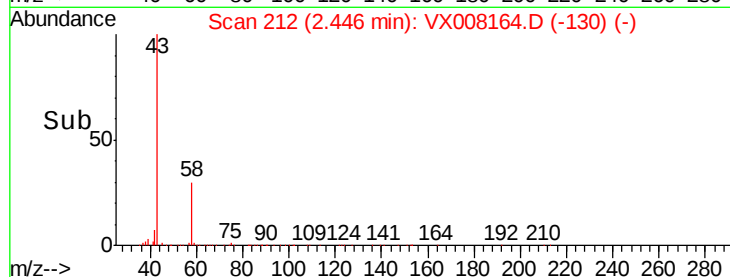
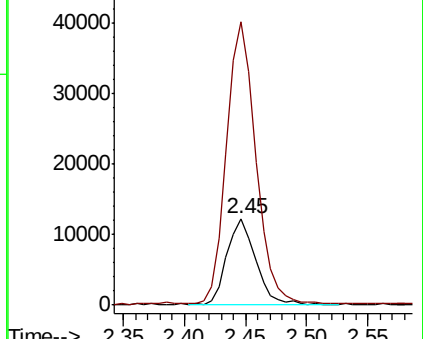
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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 5.900 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX008164.D

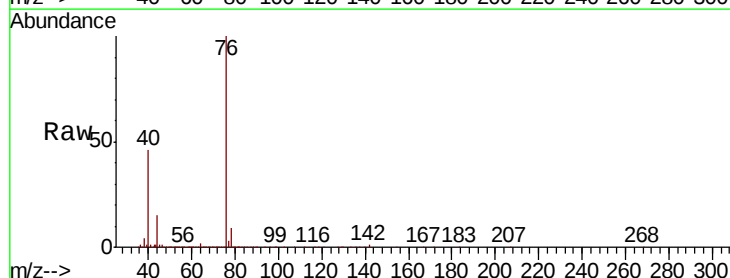
Acq: 18 Mar 2019 14:01

Tgt Ion: 76 Resp: 53165

Ion Ratio Lower Upper

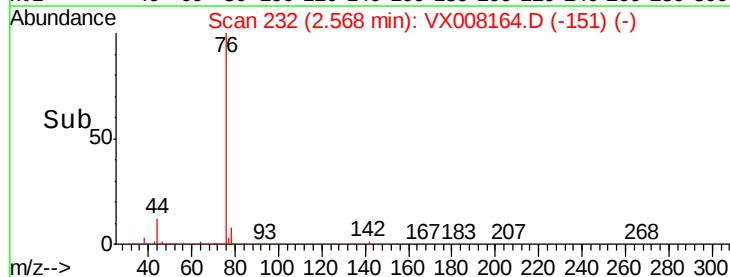
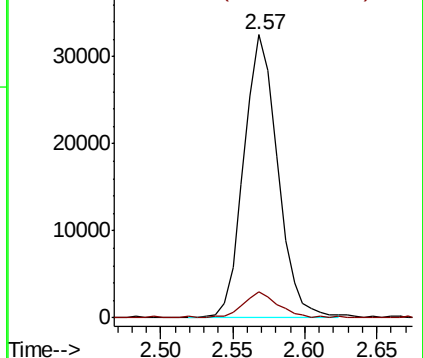
76 100

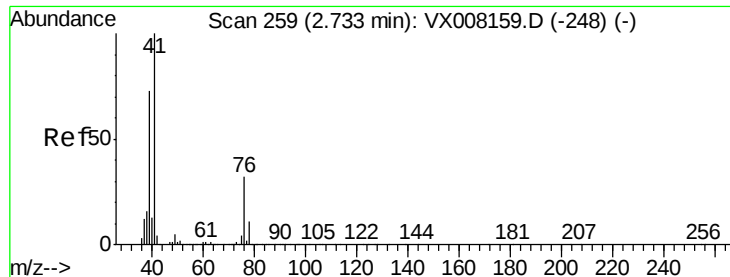
78 8.7 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





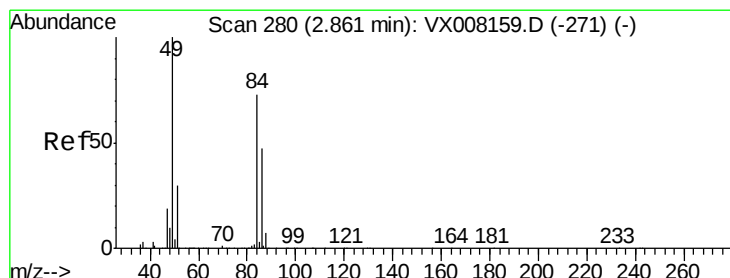
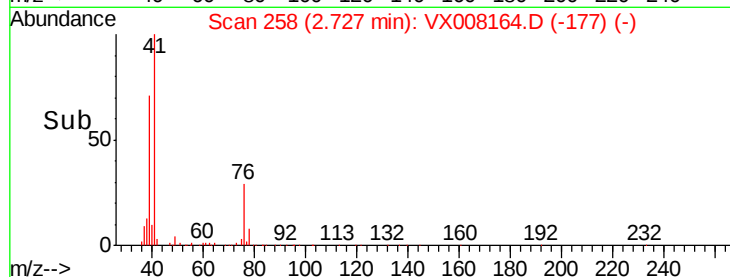
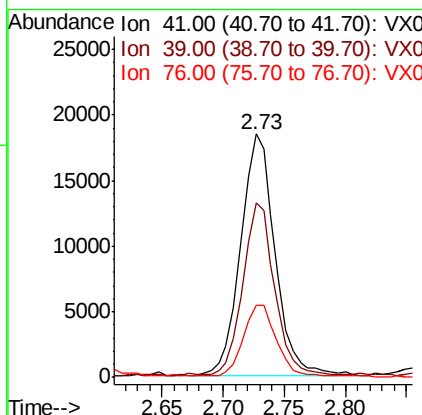
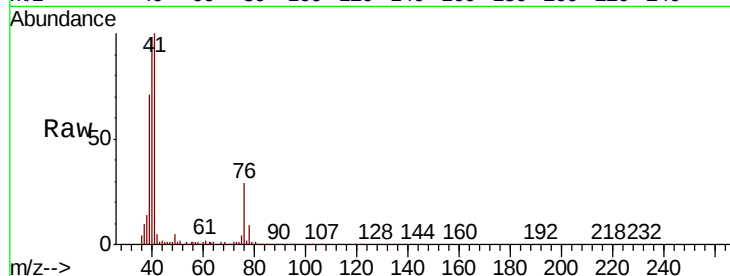
#17
Allvl chloride
Concen: 5.900 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.01 min
Lab File: VX008164.D
Acq: 18 Mar 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	35735
Ion	Ratio	Lower	Upper
41	100		
39	70.8	35.8	107.4
76	29.1	18.3	54.9

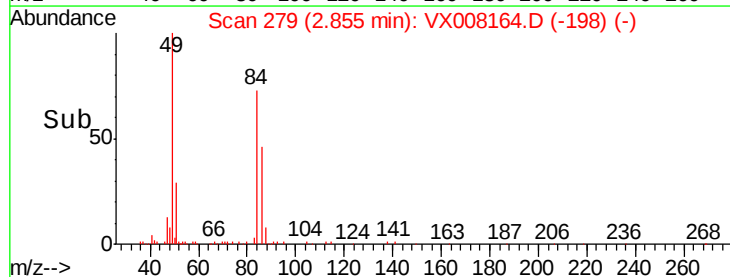
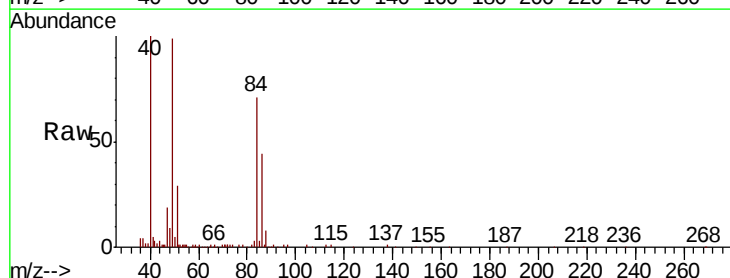
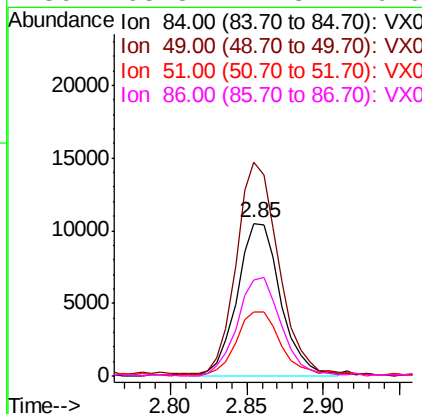
Manual Integrations
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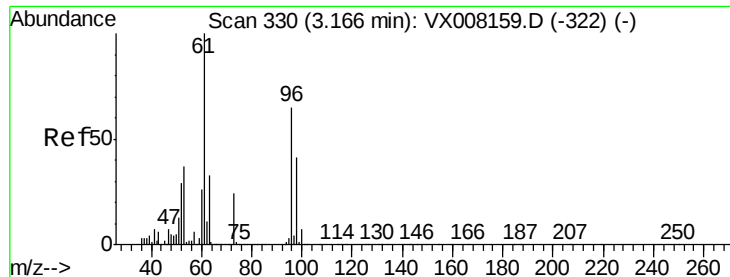
MMDadoda
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#18
Methylene Chloride
Concen: 6.117 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008164.D
Acq: 18 Mar 2019 14:01

Tgt Ion:	84	Resp:	20575
Ion	Ratio	Lower	Upper
84	100		
49	138.9	96.1	144.1
51	40.6	29.1	43.7
86	63.3	47.3	70.9





#19

trans-1,2-Dichloroethene

Concen: 5.895 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Instrument :

MSVOA_X

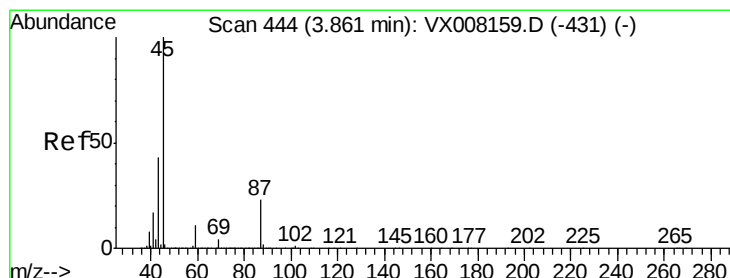
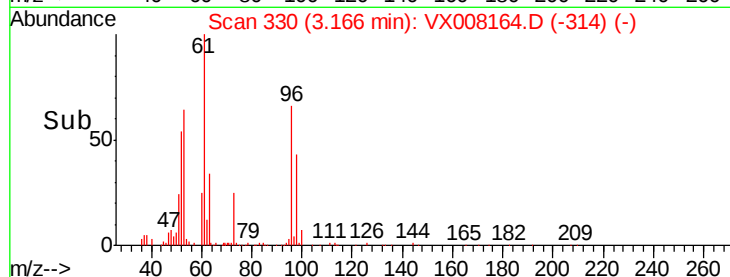
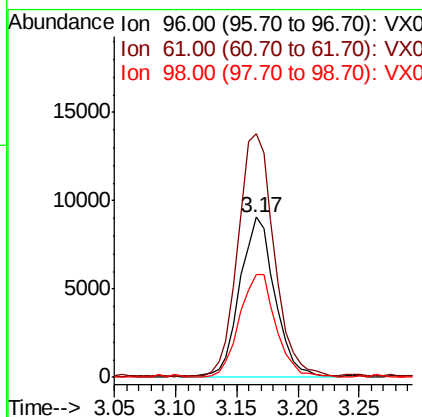
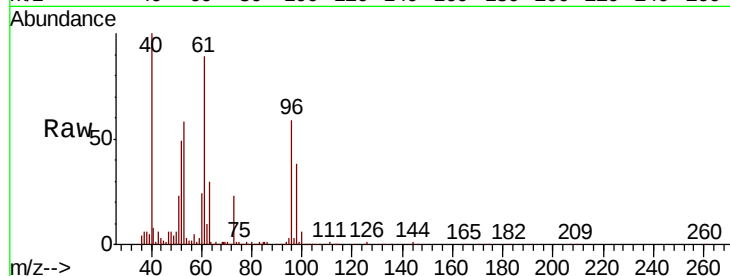
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	18116
Ion	Ratio	Lower	Upper
96	100		
61	150.9	109.9	164.9
98	64.5	50.4	75.6

Manual Integrations
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#20

Diisopropyl ether

Concen: 5.939 ug/l m

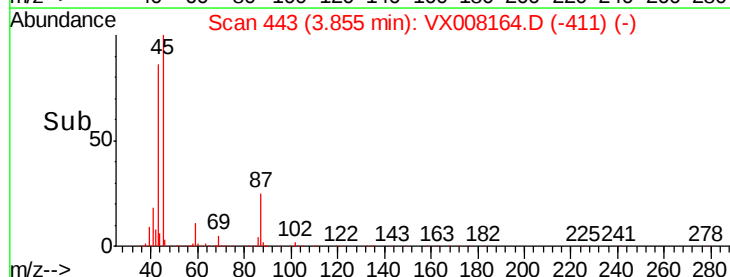
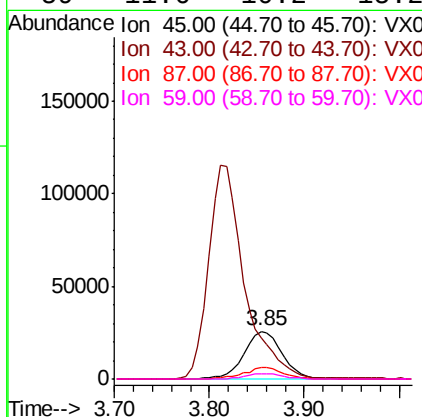
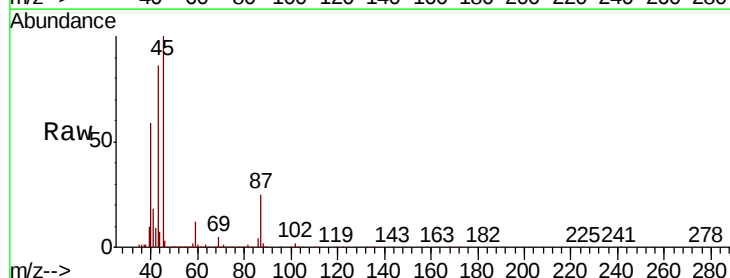
RT: 3.85 min Scan# 443

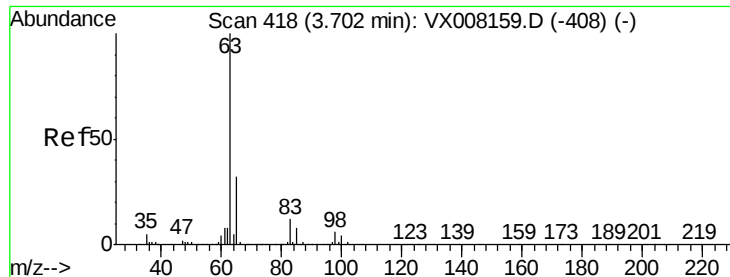
Delta R.T. -0.01 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Tgt Ion:	45	Resp:	72355
Ion	Ratio	Lower	Upper
45	100		
43	86.2	50.6	76.0#
87	24.8	24.5	36.7
59	11.6	10.2	15.2





#21

1,1-Dichloroethane

Concen: 5.850 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.01 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Instrument :

MSVOA_X

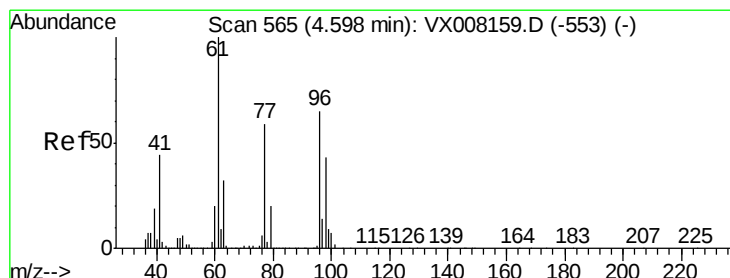
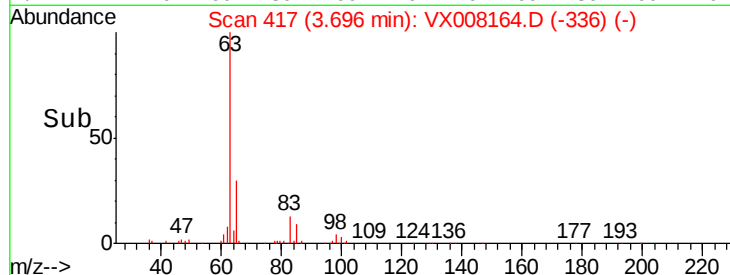
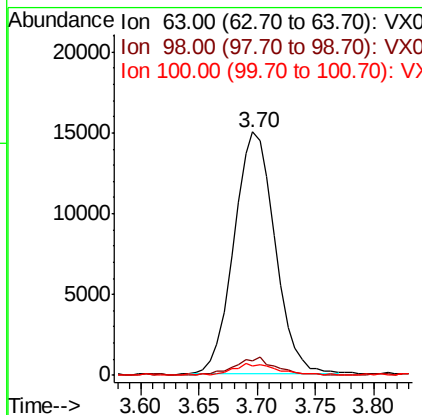
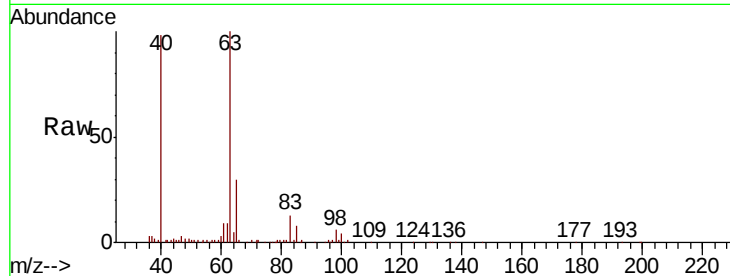
ClientSampleId :

VSTDIC005

Tot Ion:	63	Resp:	36628
Ion Ratio	Lower	Upper	
63	100		
98	6.2	3.8	11.4
100	4.0	2.4	7.1

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#22

cis-1,2-Dichloroethene

Concen: 5.863 ug/l

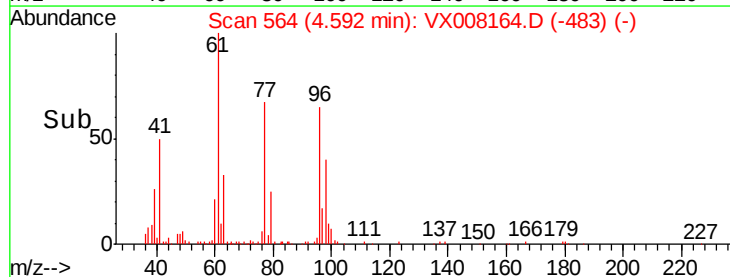
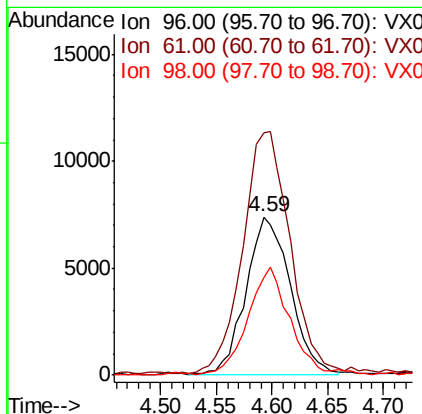
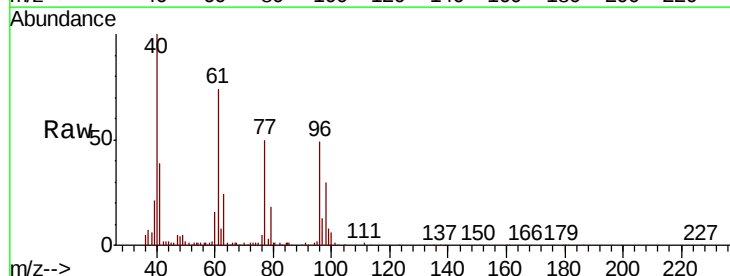
RT: 4.59 min Scan# 564

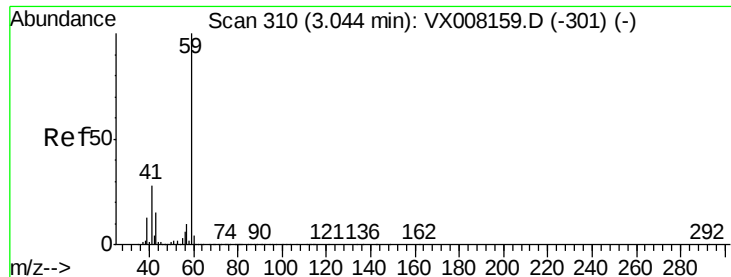
Delta R.T. -0.01 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Tgt Ion:	96	Resp:	20566
Ion Ratio	Lower	Upper	
96	100		
61	163.6	103.5	155.3#
98	63.6	52.1	78.1





#23

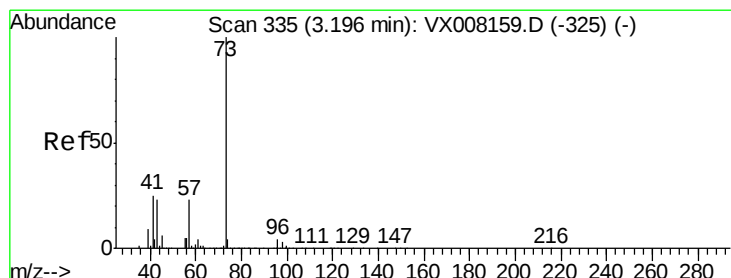
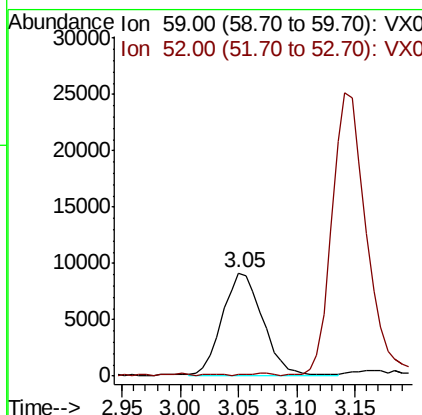
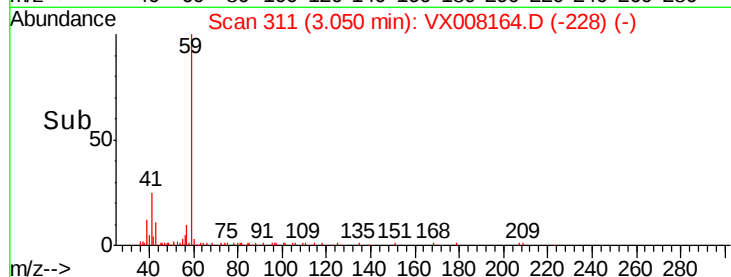
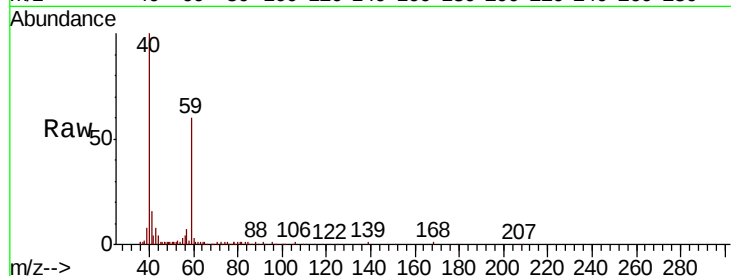
tert-Butyl Alcohol
Concen: 28.646 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.01 min
Lab File: VX008164.D
Acq: 18 Mar 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 22081
Ion Ratio Lower Upper
59 100
52 0.7 0.2 0.2#

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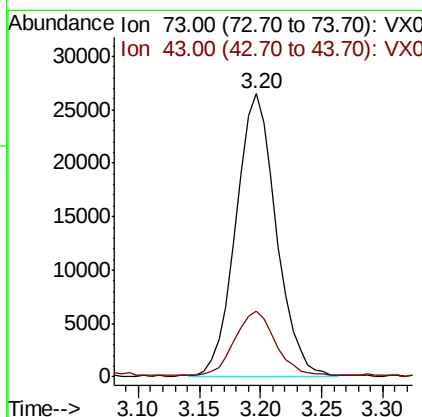
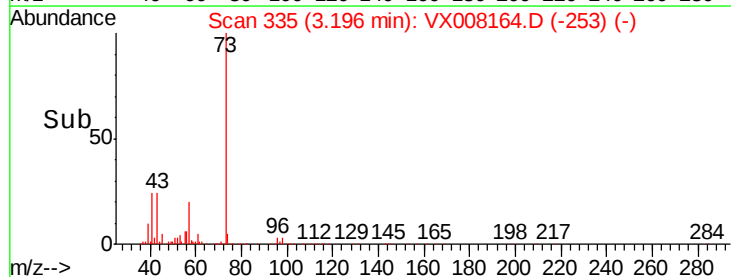
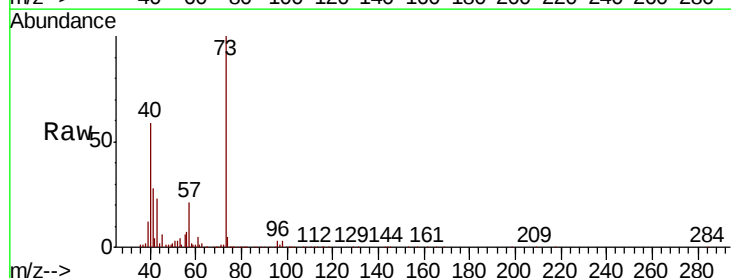
MMDadoda
3/19/2019 9:37:11 AM

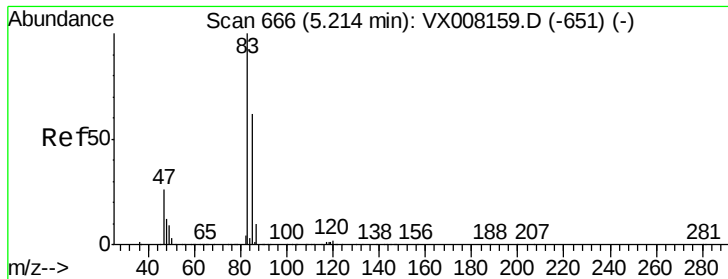


#24

Methyl tert-Butyl Ether
Concen: 5.852 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008164.D
Acq: 18 Mar 2019 14:01

Tgt Ion: 73 Resp: 60468
Ion Ratio Lower Upper
73 100
43 23.0 17.1 25.7





#25

Chloroform

Concen: 5.842 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 83 Resp: 34965

Ion Ratio Lower Upper

83 100

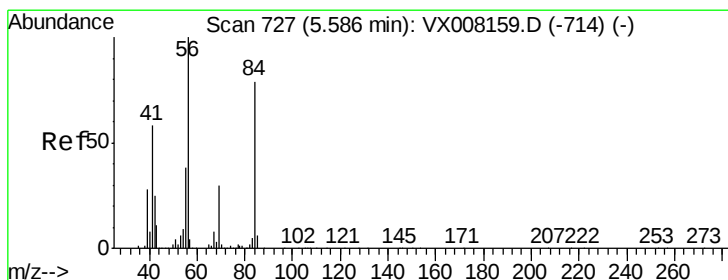
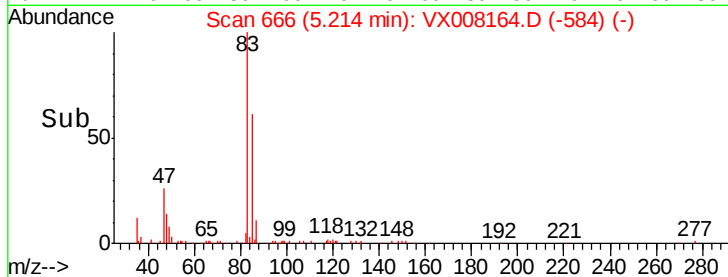
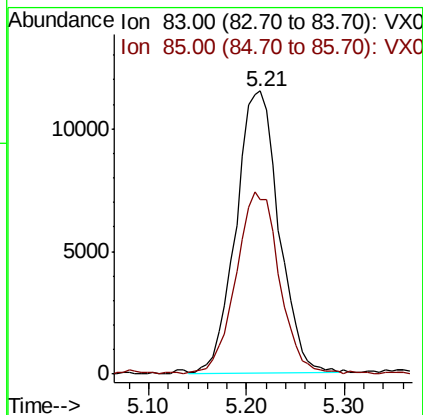
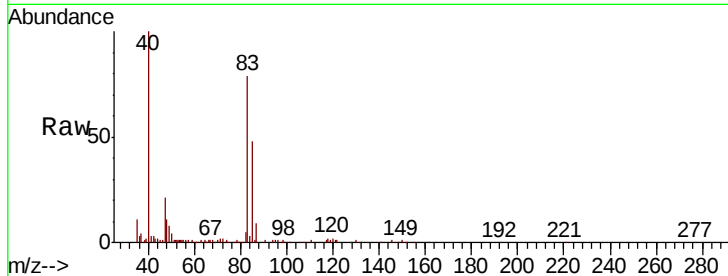
85 60.7 53.8 80.6

Manual Integrations

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#26

Cyclohexane

Concen: 5.983 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

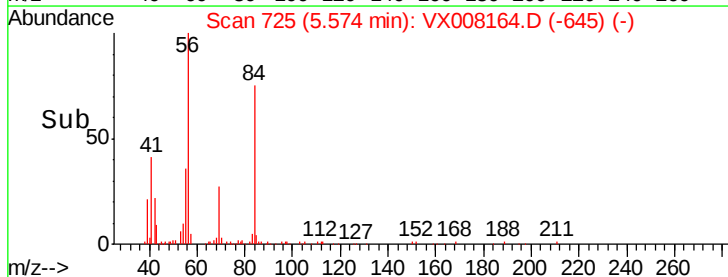
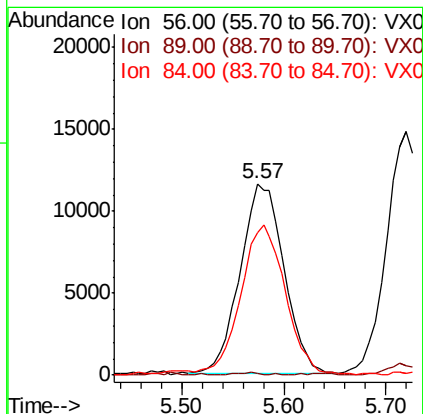
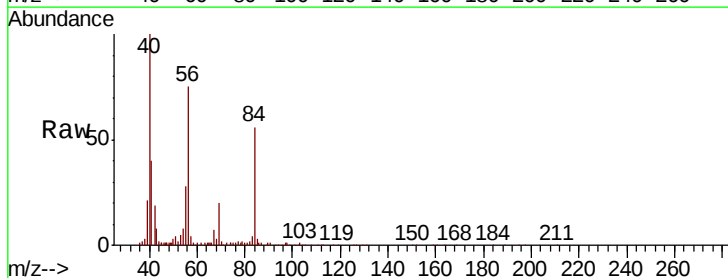
Tgt Ion: 56 Resp: 34807

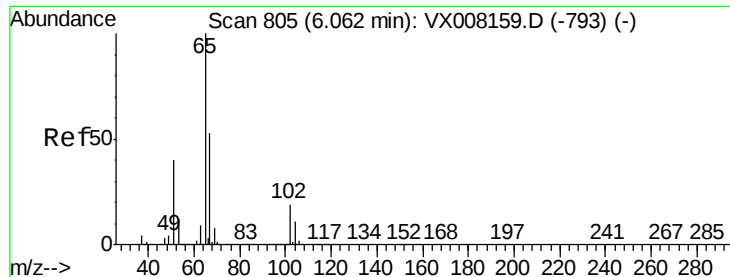
Ion Ratio Lower Upper

56 100

89 0.3 0.0 0.0#

84 79.6 73.9 110.9





#27

1,2-Dichloroethane-d4

Concen: 29.299 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 155793

Ion Ratio Lower Upper

65 100

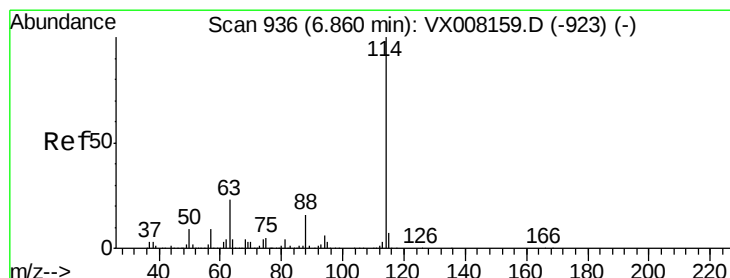
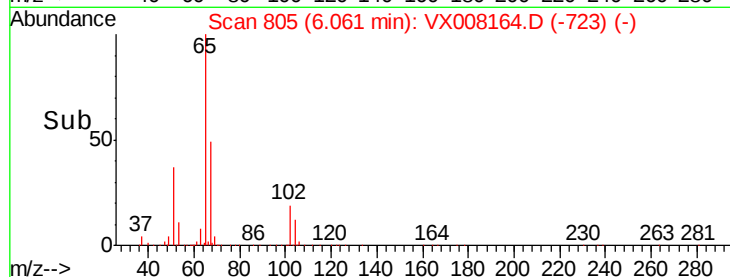
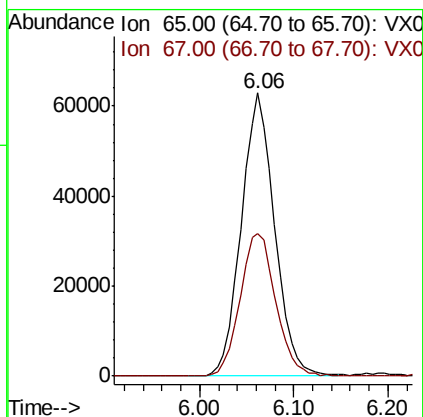
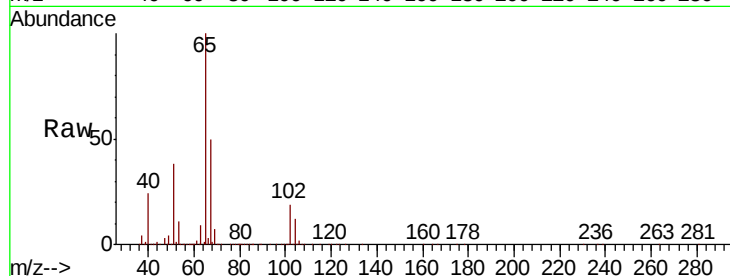
67 53.8 42.9 64.3

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

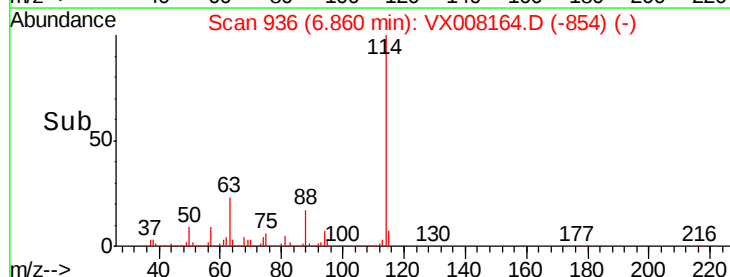
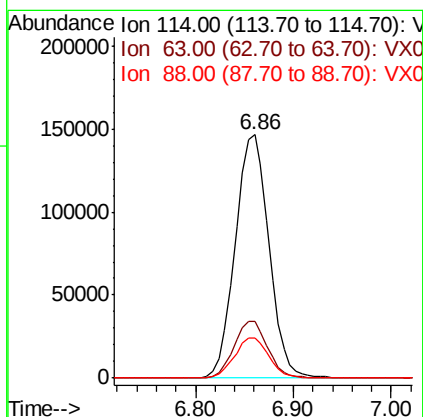
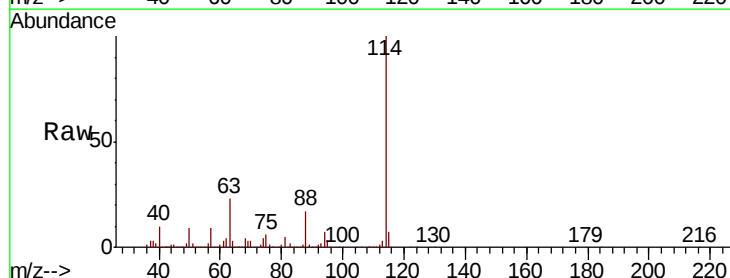
Tgt Ion: 114 Resp: 351475

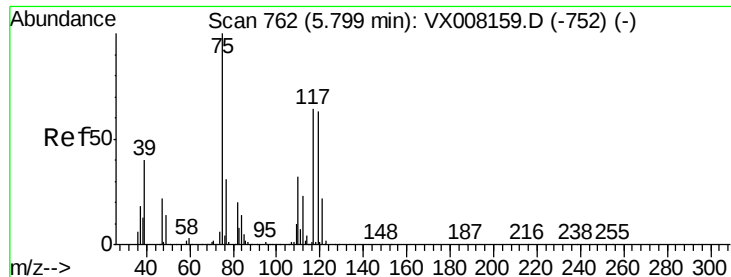
Ion Ratio Lower Upper

114 100

63 23.2 14.2 21.4#

88 16.8 11.9 17.9





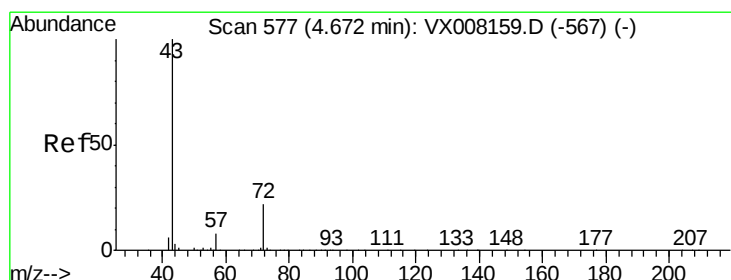
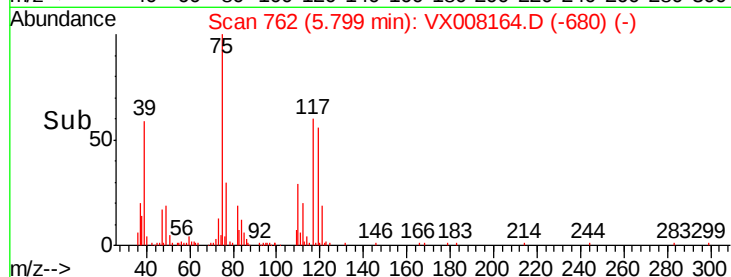
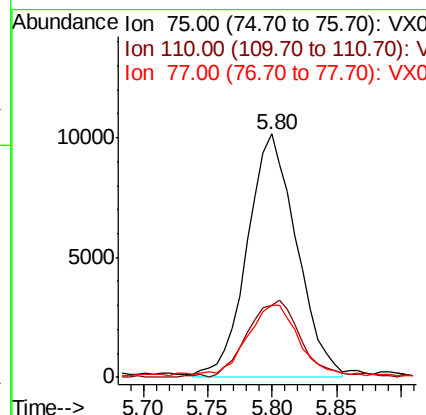
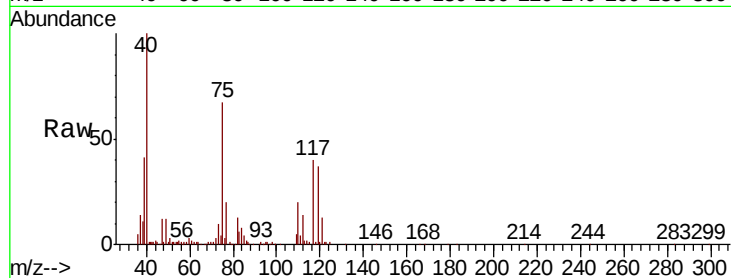
#29
 1,1-Dichloropropene
 Concen: 5.979 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX008164.D
 Acq: 18 Mar 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.7	0.0	80.8
77	30.5	0.0	62.4

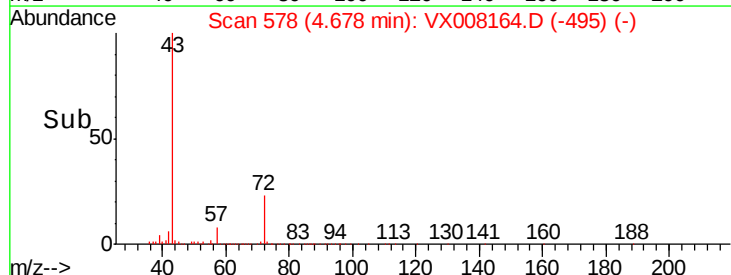
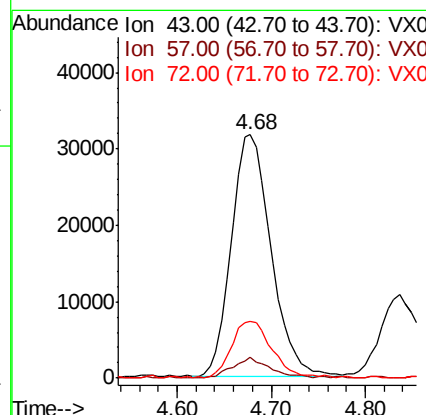
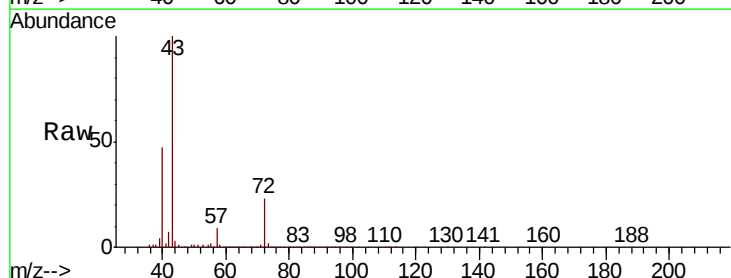
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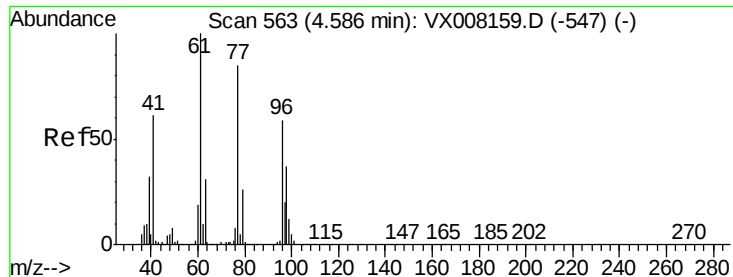
MMDadoda
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#30
 2-Butanone
 Concen: 27.502 ug/l
 RT: 4.68 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VX008164.D
 Acq: 18 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.4	7.0	10.6
72	22.8	21.5	32.3





#31

2,2-Dichloropropane

Concen: 5.807 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 77 Resp: 26018

Ion Ratio Lower Upper

77 100

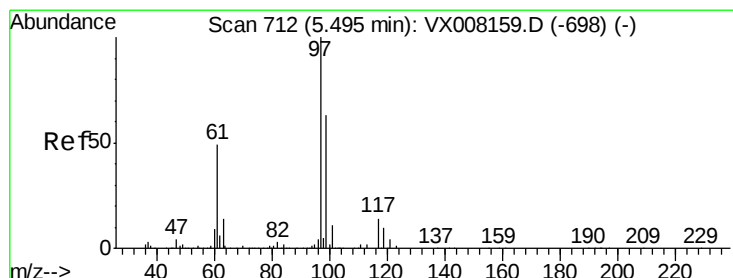
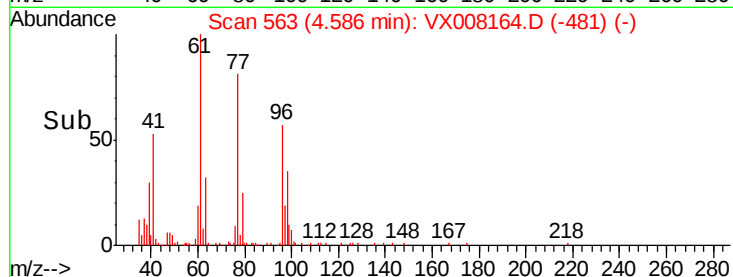
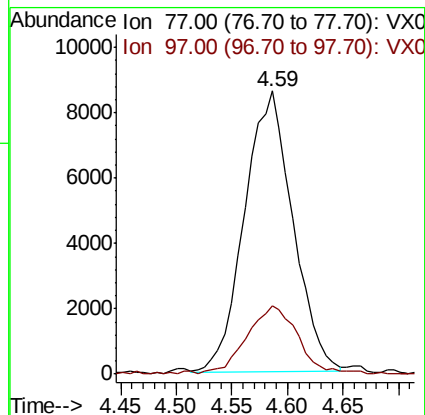
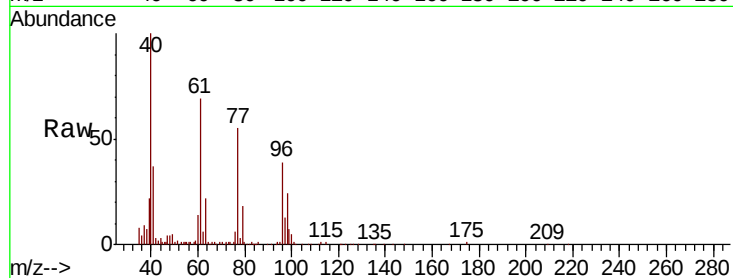
97 25.3 20.6 31.0

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#32

1,1,1-Trichloroethane

Concen: 5.748 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

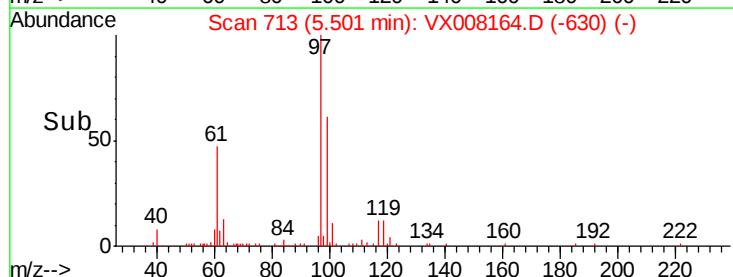
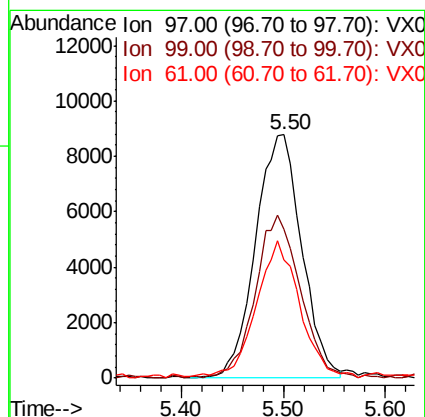
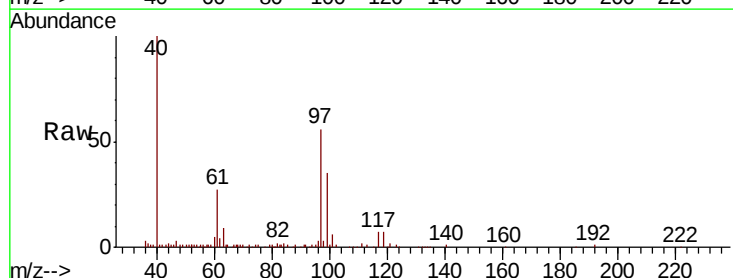
Tgt Ion: 97 Resp: 27625

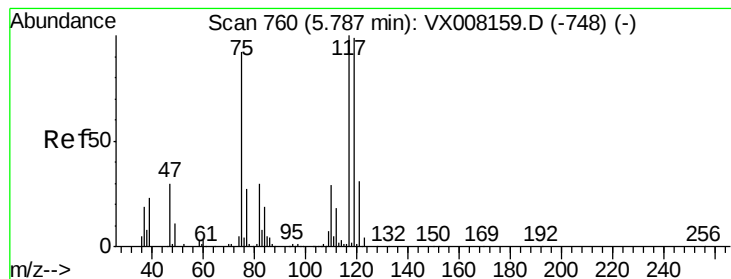
Ion Ratio Lower Upper

97 100

99 65.3 51.7 77.5

61 51.4 32.8 49.2#





#33

Carbon Tetrachloride

Concen: 5.881 ug/l

RT: 5.79 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Instrument :

MSVOA_X

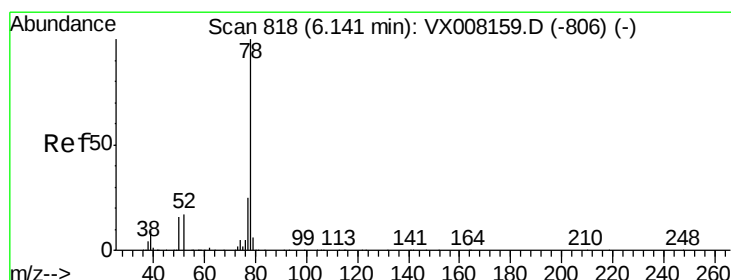
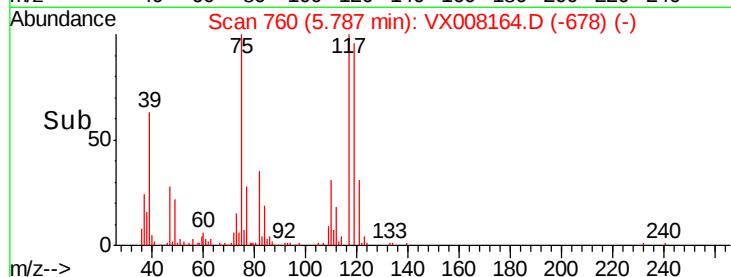
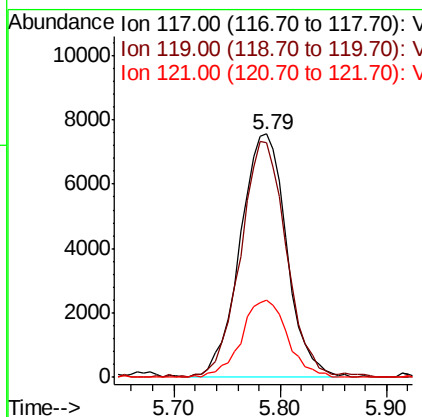
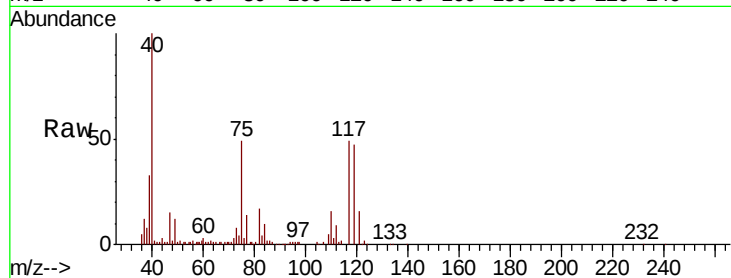
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.2	78.1	117.1
121	31.5	27.0	40.6

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#34

Benzene

Concen: 5.912 ug/l

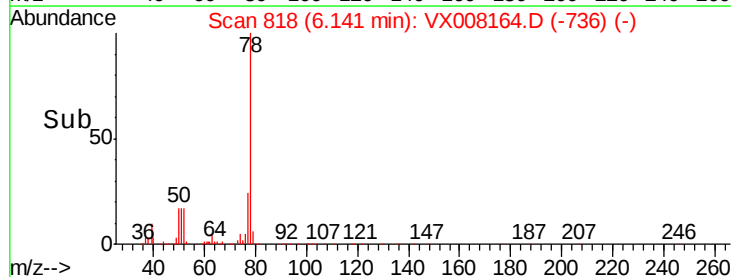
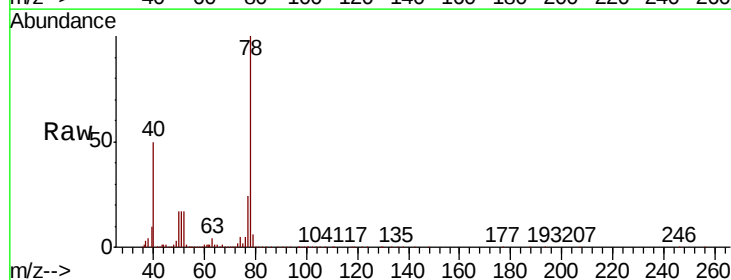
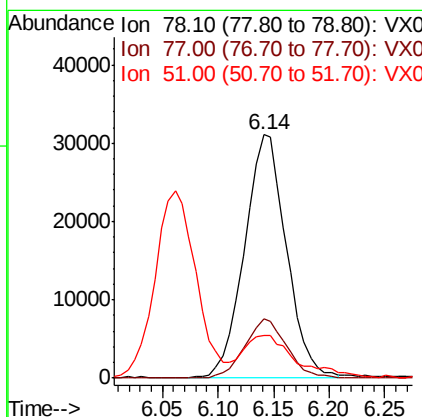
RT: 6.14 min Scan# 818

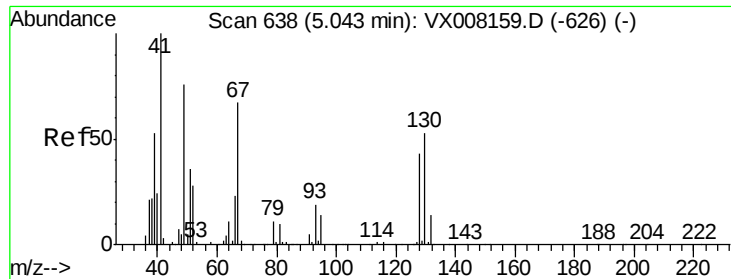
Delta R.T. -0.00 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7
51	14.9	10.8	16.2





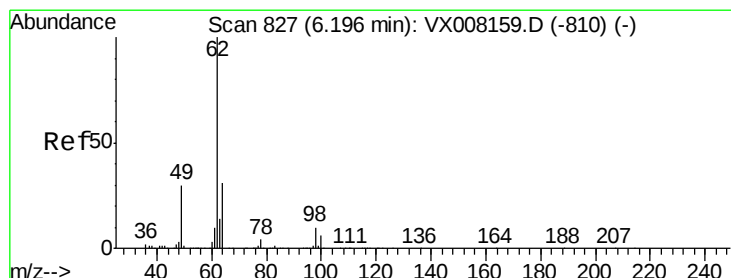
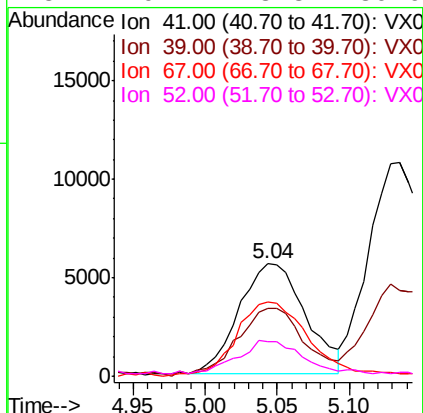
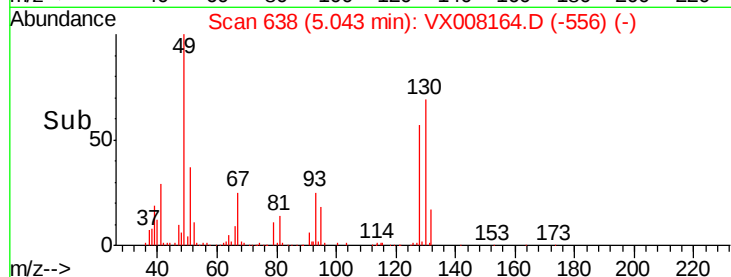
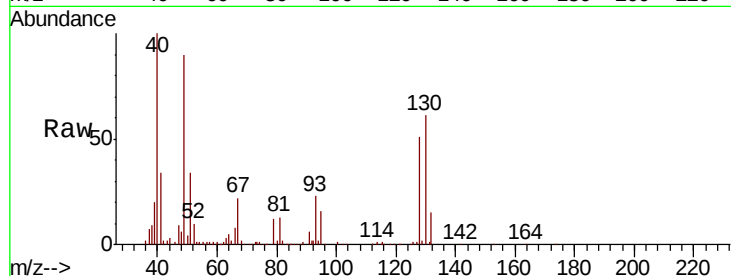
#35
Methacrylonitrile
Concen: 5.742 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008164.D
Acq: 18 Mar 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	17760
Ion	Ratio	Lower	Upper
41	100		
39	59.4	27.4	82.0
67	65.4	37.9	113.6
52	29.2	13.3	39.9

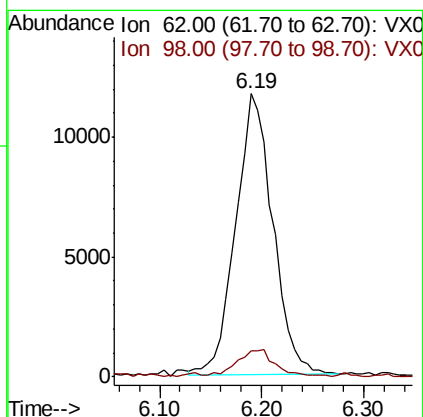
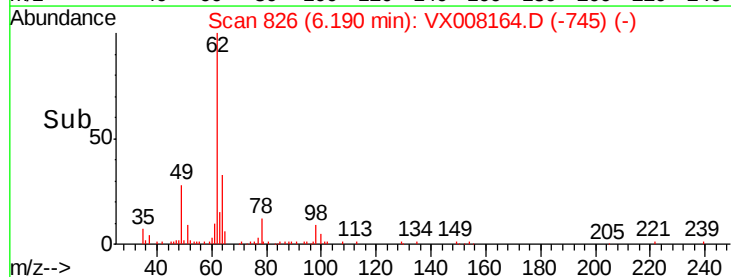
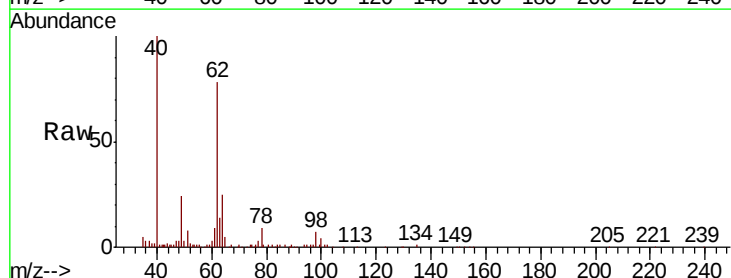
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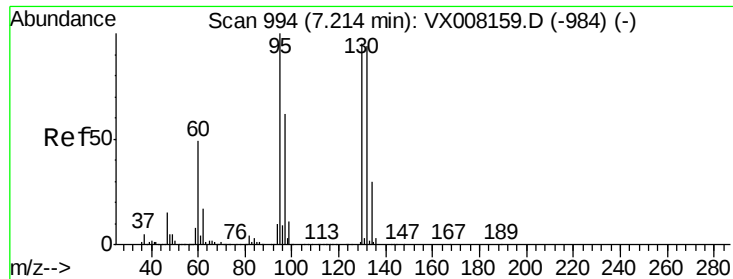
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#36
1,2-Dichloroethane
Concen: 5.888 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008164.D
Acq: 18 Mar 2019 14:01

Tgt Ion:	62	Resp:	29588
Ion	Ratio	Lower	Upper
62	100		
98	9.9	7.8	11.8





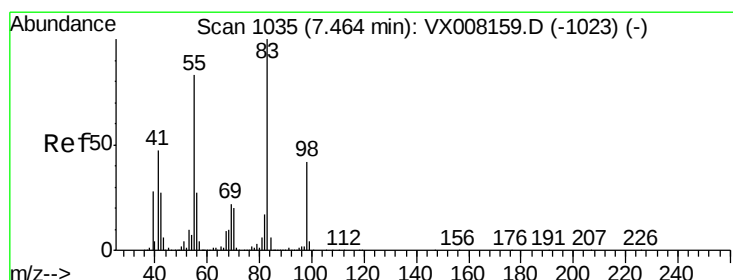
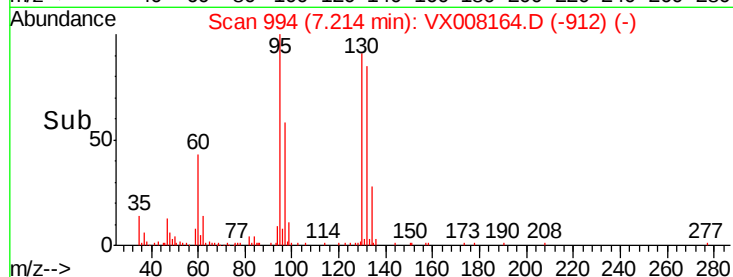
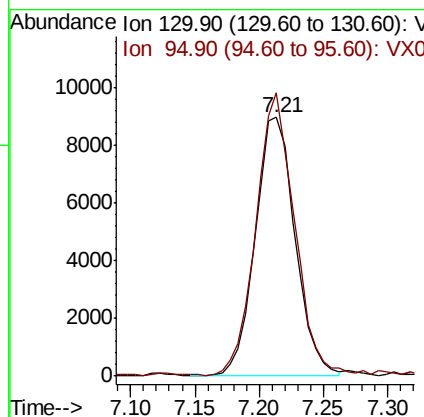
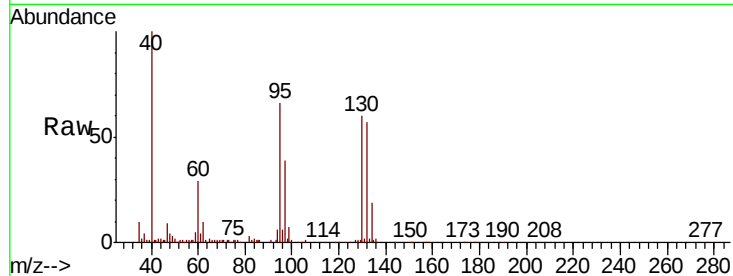
#37
 Trichloroethene
 Concen: 5.981 ug/l m
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008164.D
 Acq: 18 Mar 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:130 Resp: 19239
 Ion Ratio Lower Upper
 130 100
 95 109.3 71.3 106.9#

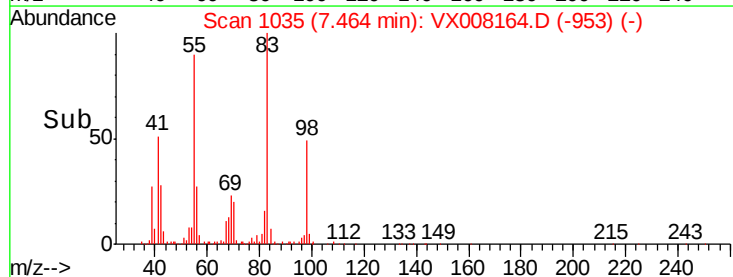
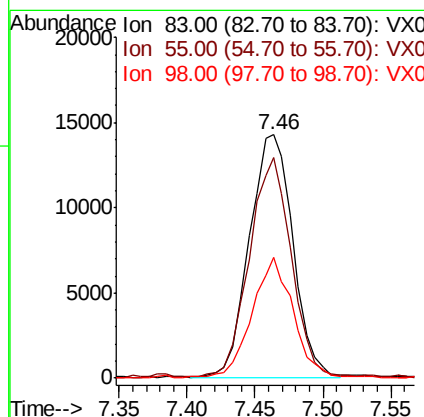
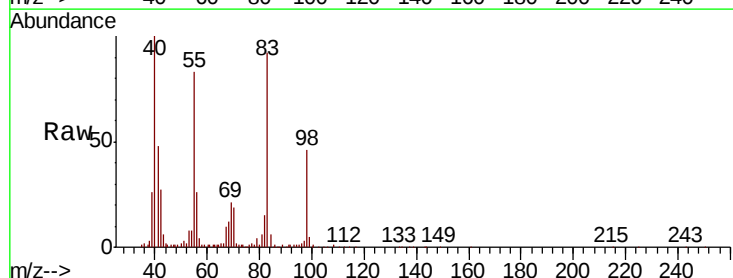
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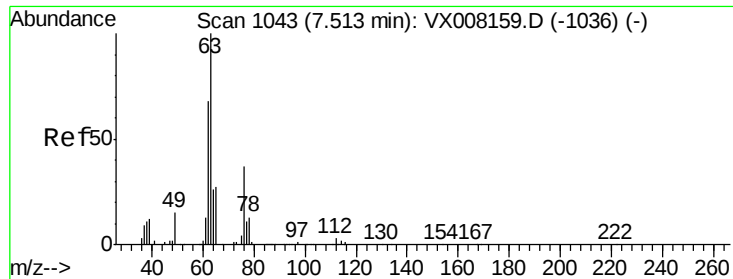
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#38
 Methylcyclohexane
 Concen: 5.934 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX008164.D
 Acq: 18 Mar 2019 14:01

Tgt Ion: 83 Resp: 32122
 Ion Ratio Lower Upper
 83 100
 55 85.8 36.0 108.0
 98 46.8 23.8 71.4





#39

1,2-Dichloropropane

Concen: 5.812 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 21588

Ion Ratio Lower Upper

63 100

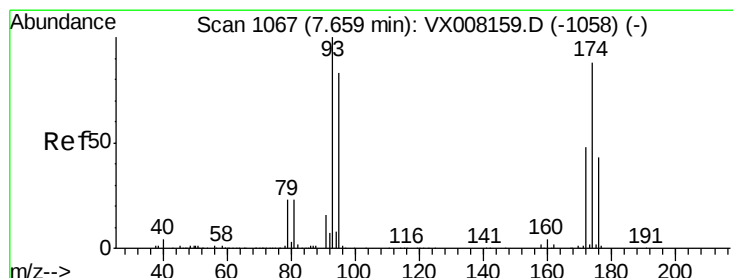
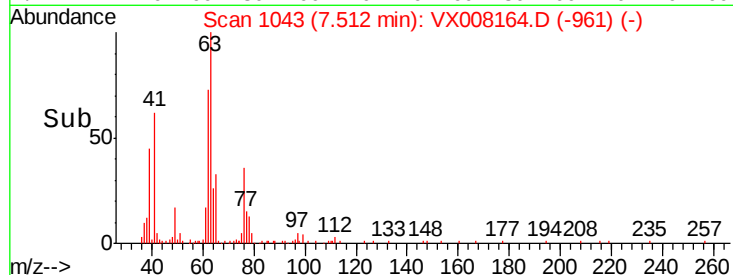
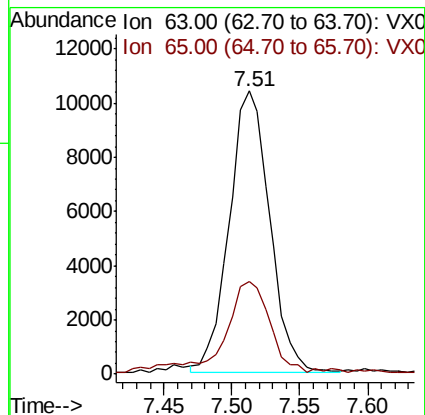
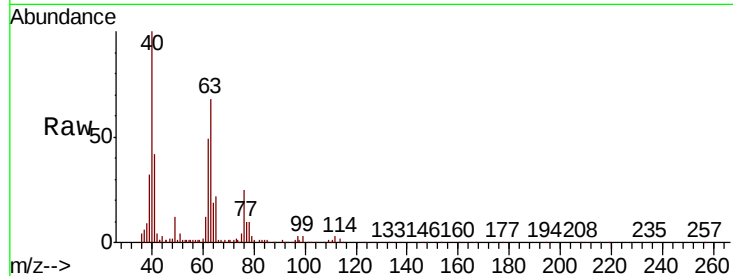
65 31.8 24.6 37.0

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#40

Dibromomethane

Concen: 6.024 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

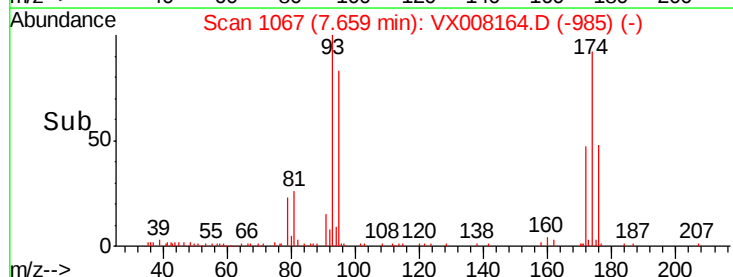
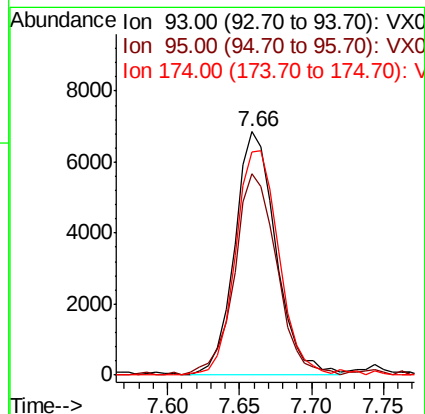
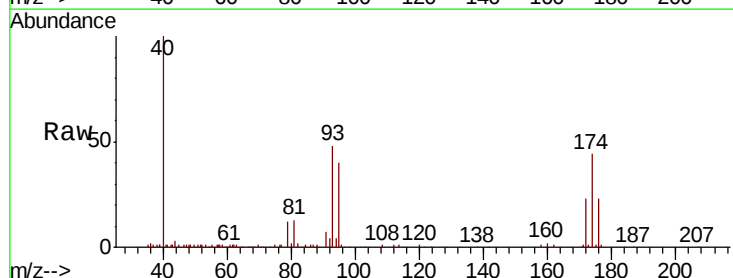
Tgt Ion: 93 Resp: 13677

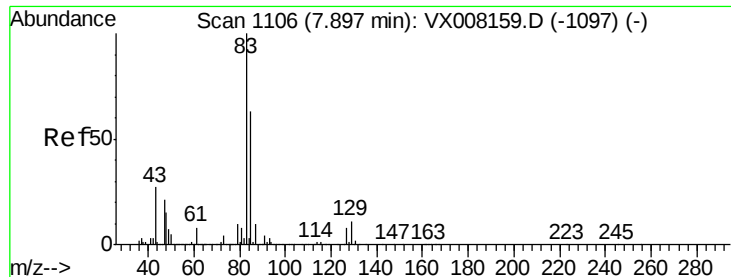
Ion Ratio Lower Upper

93 100

95 84.5 0.0 158.8

174 95.9 0.0 224.2





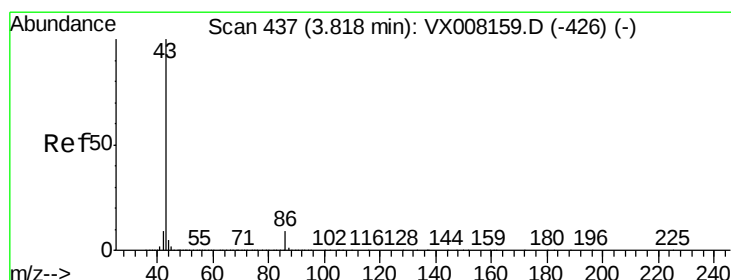
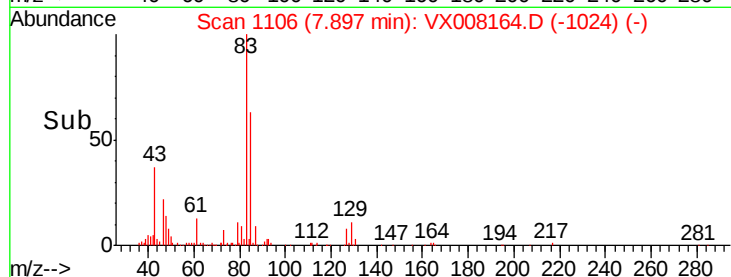
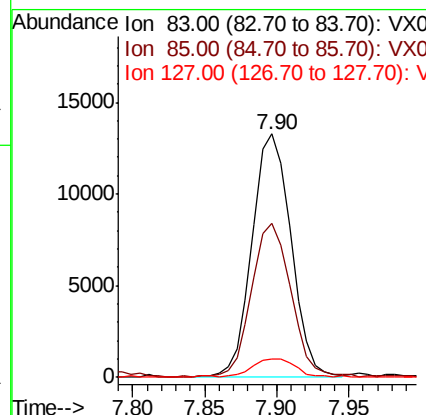
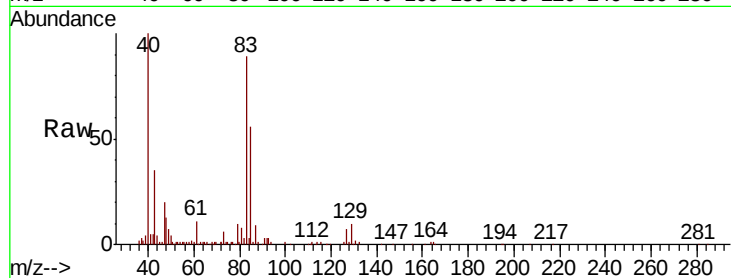
#41
Bromodichloromethane
Concen: 5.724 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX008164.D
Acq: 18 Mar 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.1	76.7
127	7.6	7.2	10.8

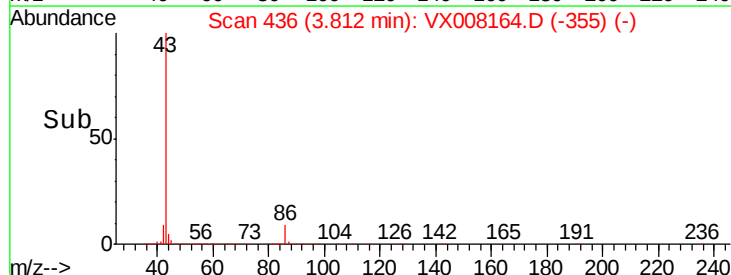
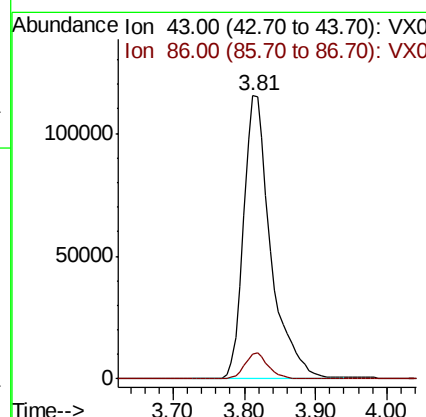
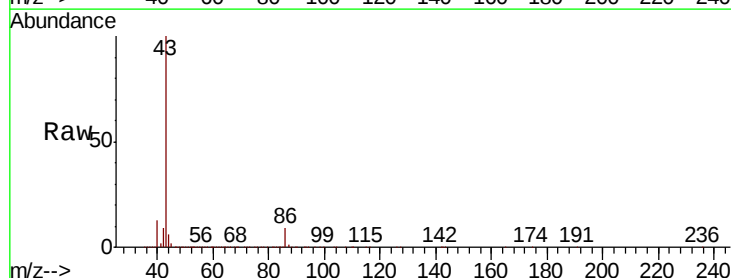
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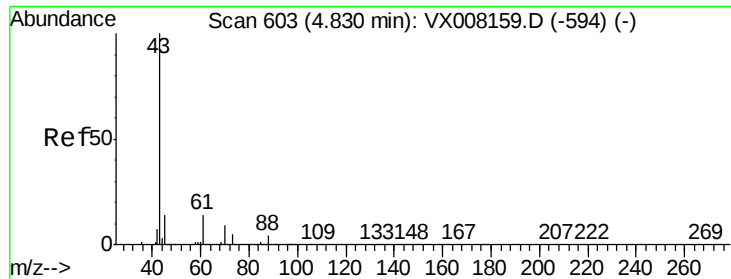
MMDadoda
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#42
Vinyl Acetate
Concen: 28.754 ug/l m
RT: 3.81 min Scan# 436
Delta R.T. -0.01 min
Lab File: VX008164.D
Acq: 18 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.2#





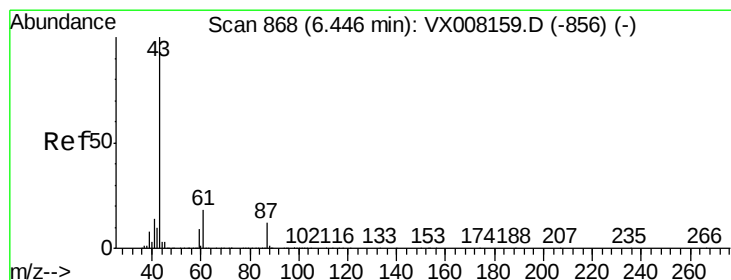
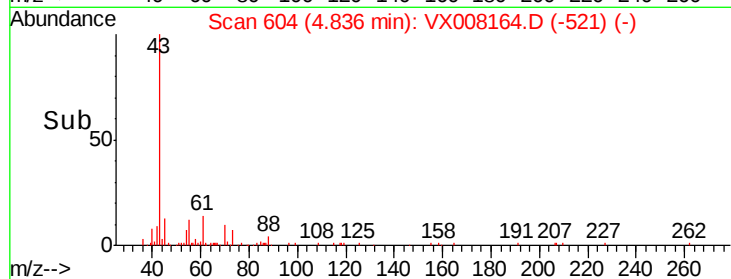
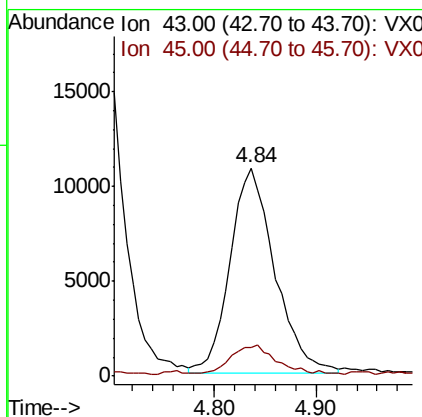
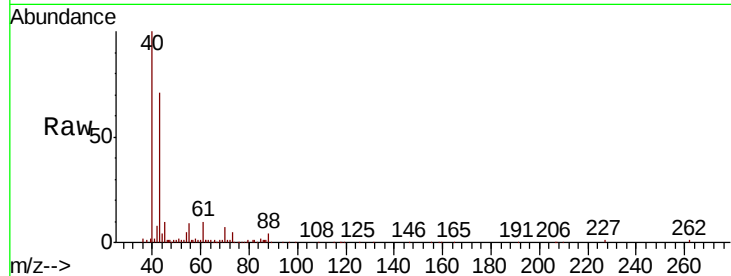
#43
Ethyl Acetate
Concen: 5.700 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX008164.D
Acq: 18 Mar 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	33099
Ion Ratio	100	Lower	Upper
45	14.9	6.9	10.3#

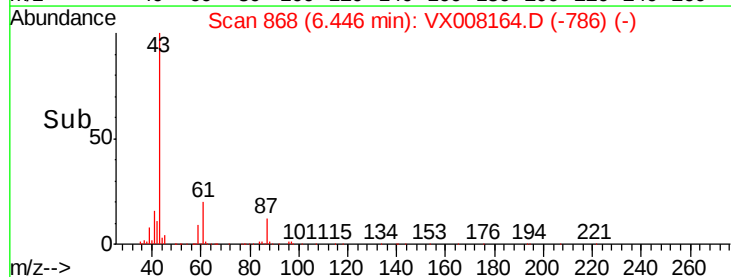
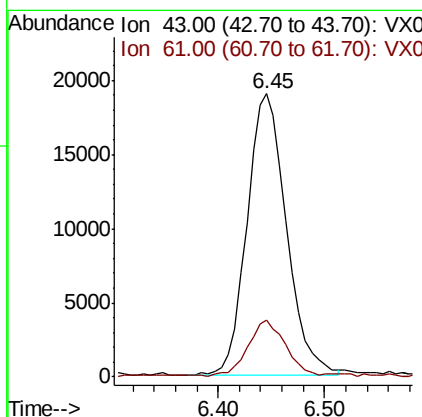
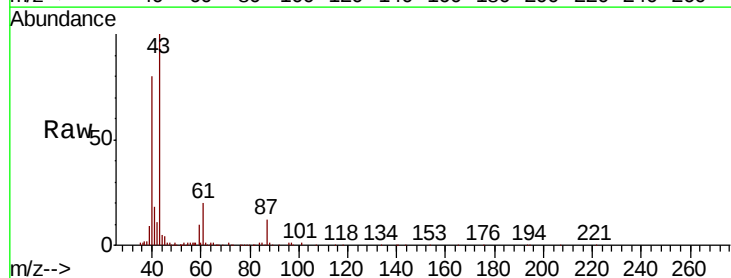
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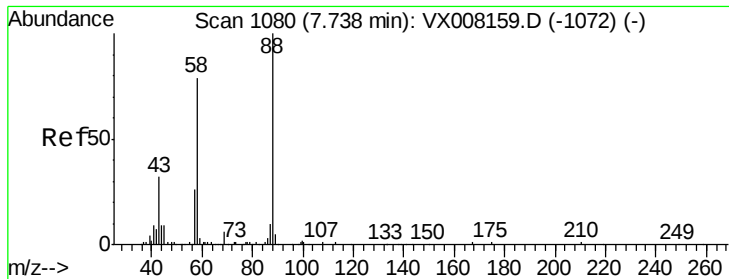
MMDadoda
3/19/2019 9:37:11 AM



#44
Isopropyl Acetate
Concen: 5.734 ug/l
RT: 6.45 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX008164.D
Acq: 18 Mar 2019 14:01

Tgt Ion	43	Resp	49471
Ion Ratio	100	Lower	Upper
61	18.2	16.1	24.1





#45

1,4-Dioxane

Concen: 119.635 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Instrument :

MSVOA_X

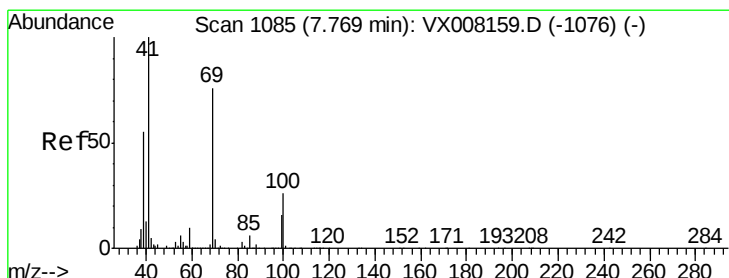
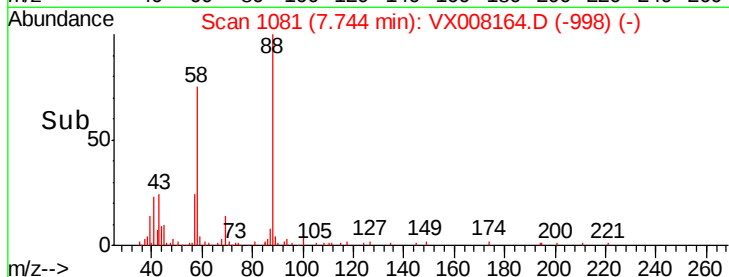
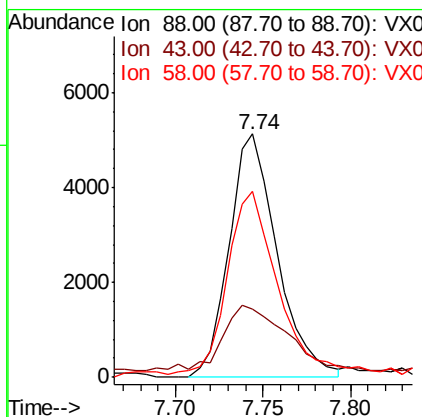
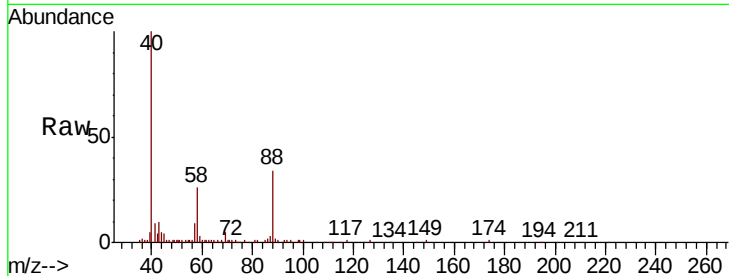
ClientSampleId :

VSTDIC005

Tot Ion:	88	Resp:	9827
Ion	Ratio	Lower	Upper
88	100		
43	35.1	23.6	35.4
58	78.3	51.6	77.4#

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#46

Methyl methacrylate

Concen: 5.717 ug/l

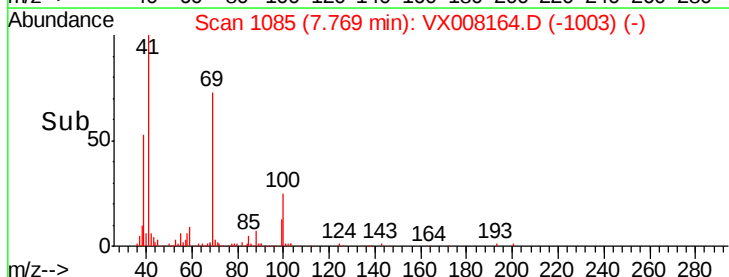
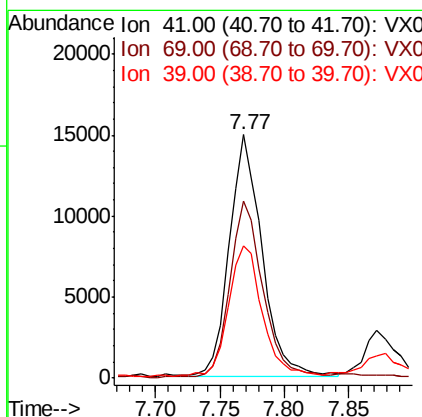
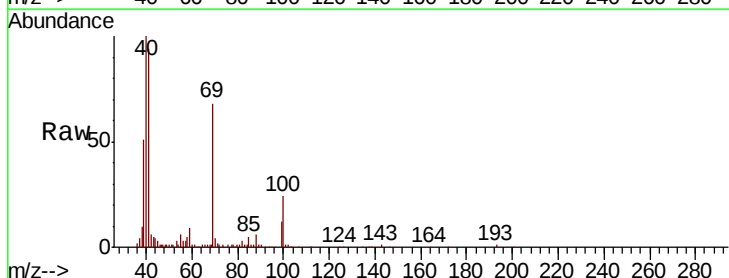
RT: 7.77 min Scan# 1085

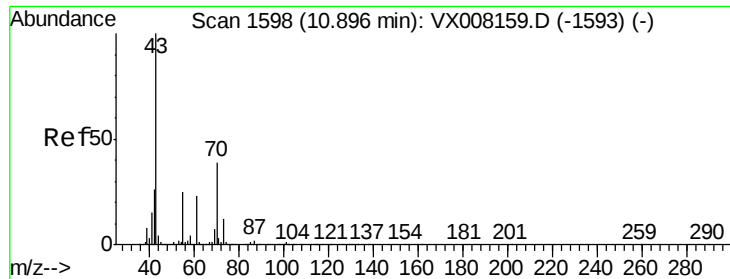
Delta R.T. -0.00 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Tgt Ion:	41	Resp:	26185
Ion	Ratio	Lower	Upper
41	100		
69	73.0	44.2	132.6
39	53.9	29.9	89.8





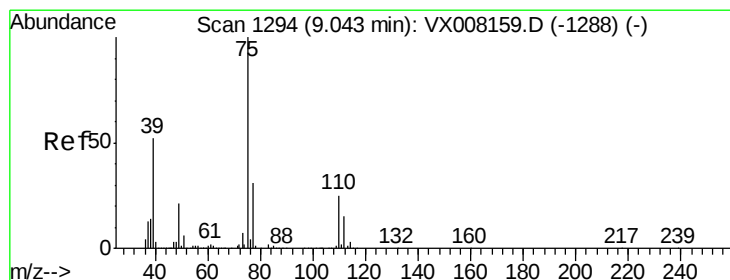
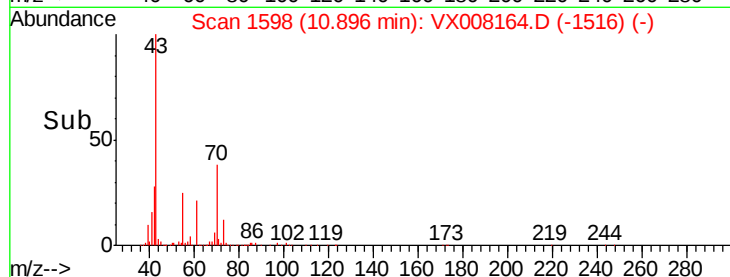
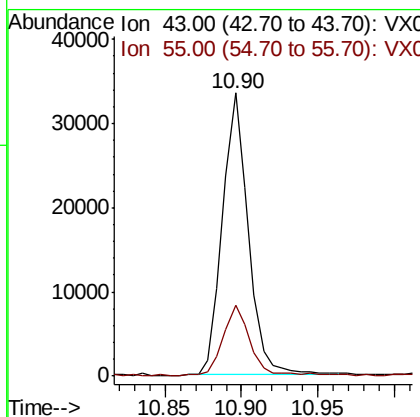
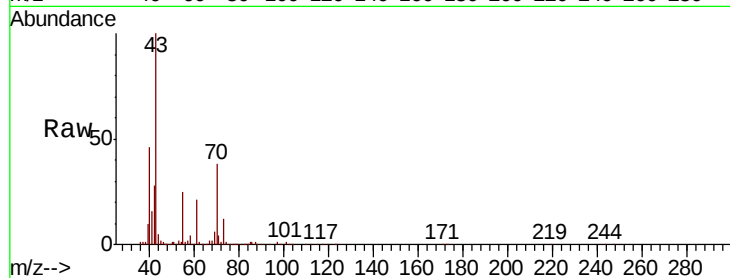
#47
n-amvl Acetate
Concen: 5.269 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX008164.D
Acq: 18 Mar 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
55	25.1	20.8	31.2

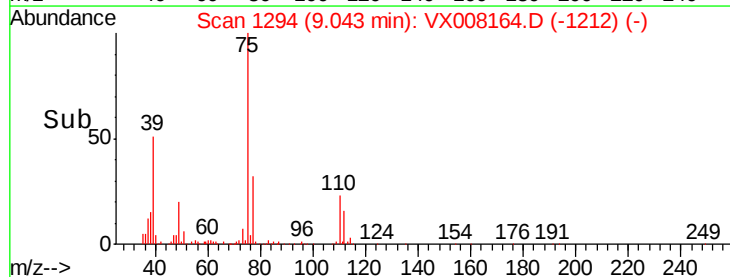
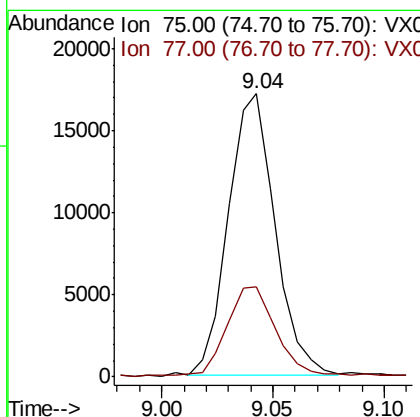
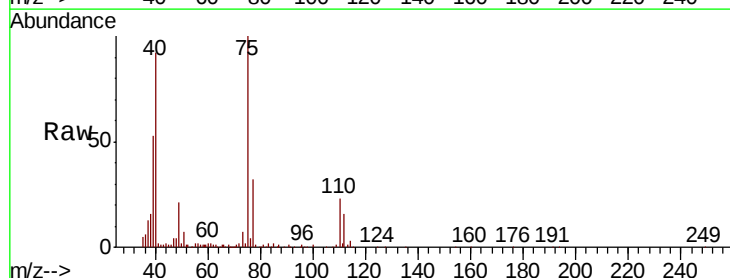
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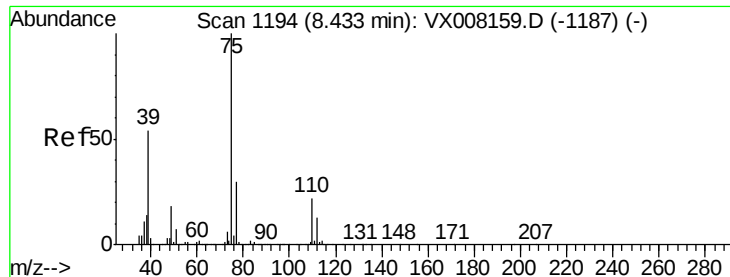
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#48
t-1,3-Dichloropropene
Concen: 5.380 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX008164.D
Acq: 18 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.5	36.7





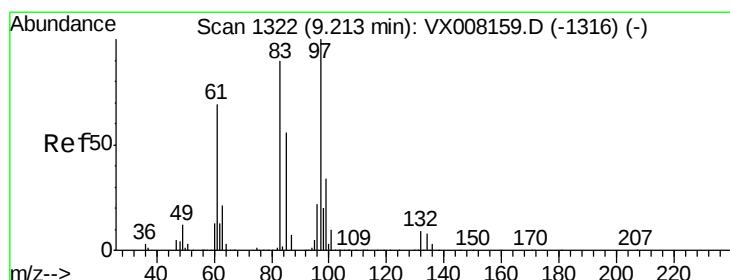
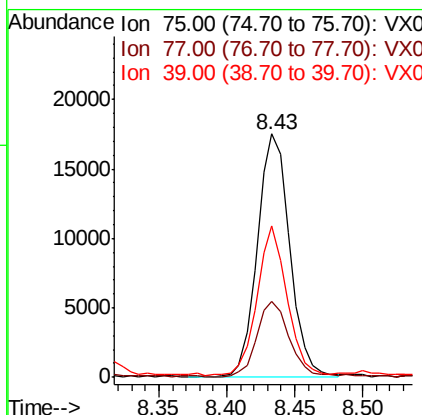
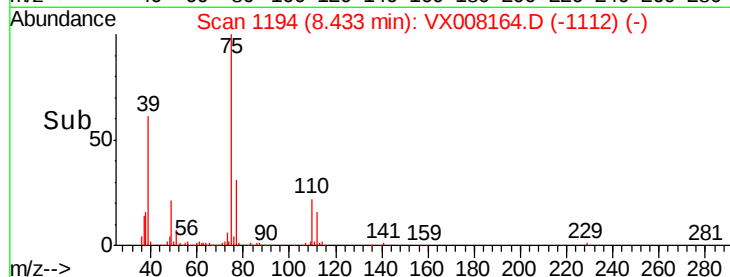
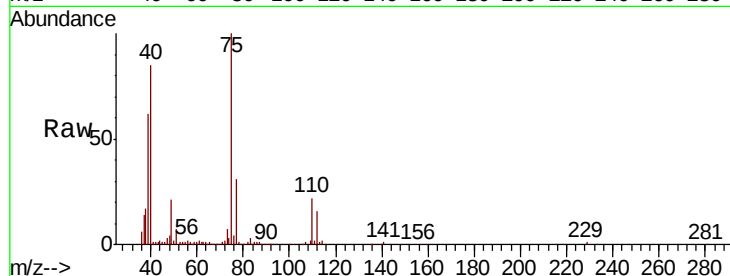
#49
 cis-1,3-Dichloropropene
 Concen: 5.627 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008164.D
 Acq: 18 Mar 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.0	37.4
39	61.0	38.5	57.7#

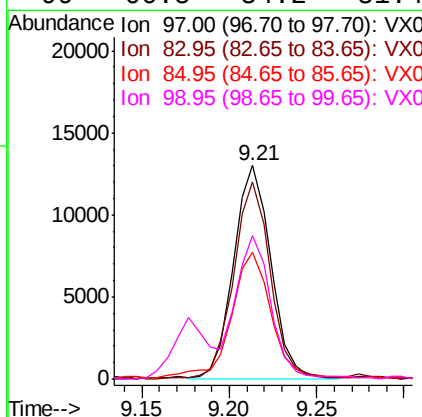
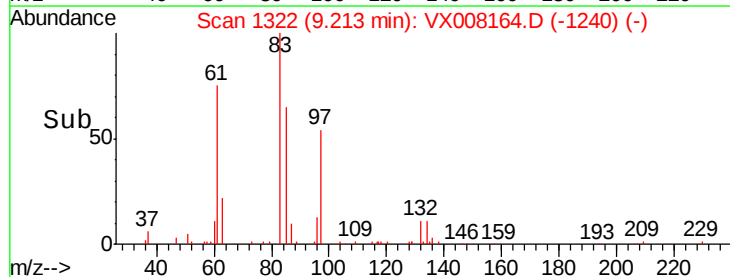
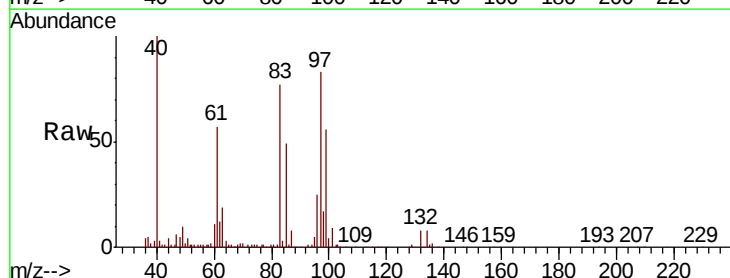
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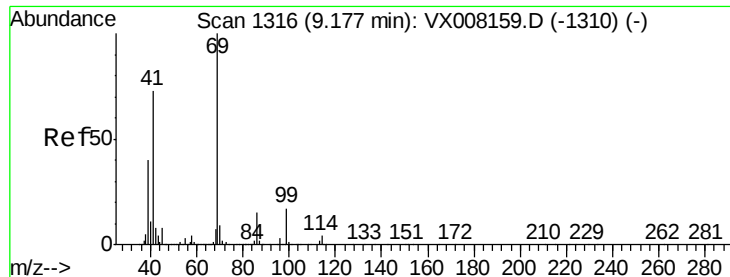
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#50
 1,1,2-Trichloroethane
 Concen: 5.934 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008164.D
 Acq: 18 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	92.1	72.0	108.0
85	58.1	45.0	67.6
99	66.5	54.2	81.4





#51

Ethyl methacrylate

Concen: 5.618 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Instrument :

MSVOA_X

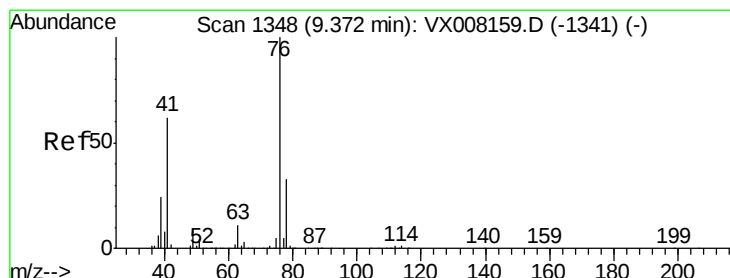
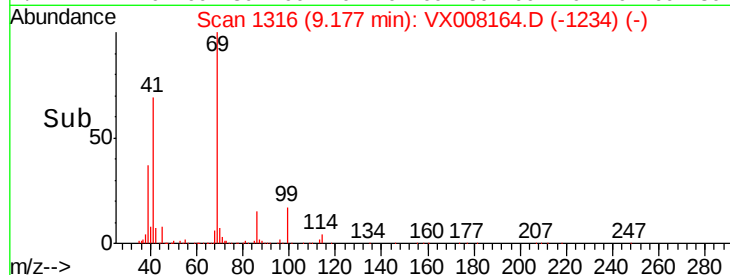
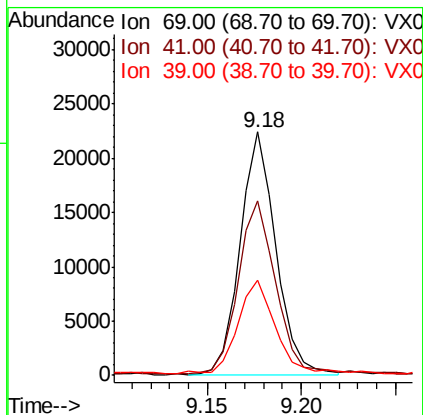
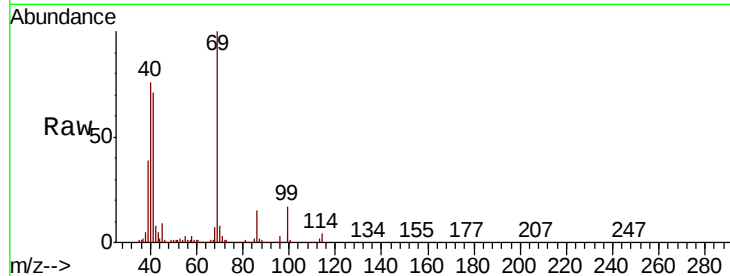
ClientSampleId :

VSTDIC005

Tot Ion:	69	Resp:	29317
Ion Ratio	Lower	Upper	
69	100		
41	71.1	32.1	96.5
39	37.1	18.8	56.3

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#52

1,3-Dichloropropane

Concen: 5.833 ug/l

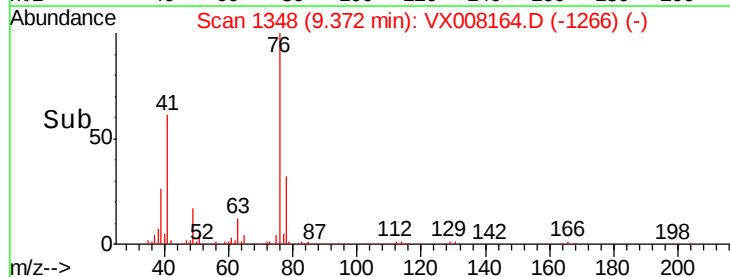
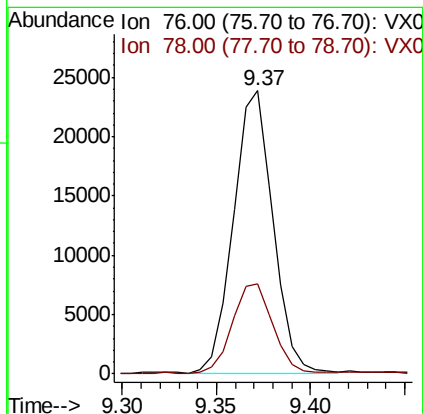
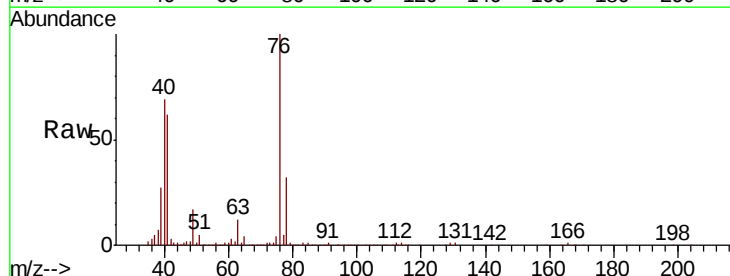
RT: 9.37 min Scan# 1348

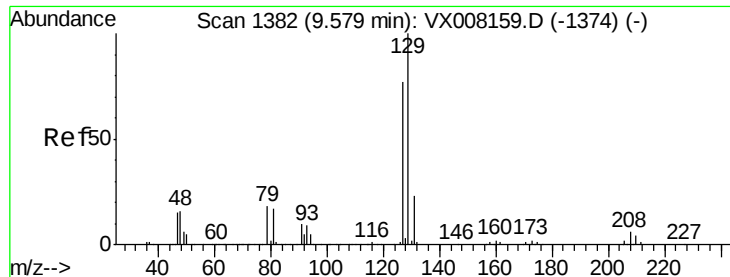
Delta R.T. -0.00 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Tgt Ion:	76	Resp:	34679
Ion Ratio	Lower	Upper	
76	100		
78	32.0	0.0	65.2





#53

Dibromochloromethane

Concen: 5.488 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:129 Resp: 17122

Ion Ratio Lower Upper

129 100

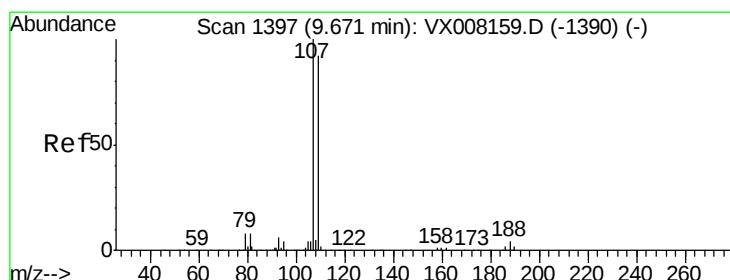
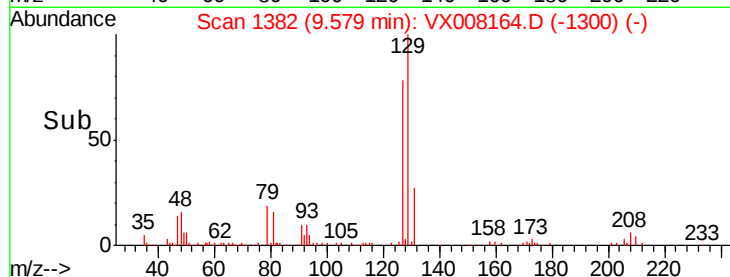
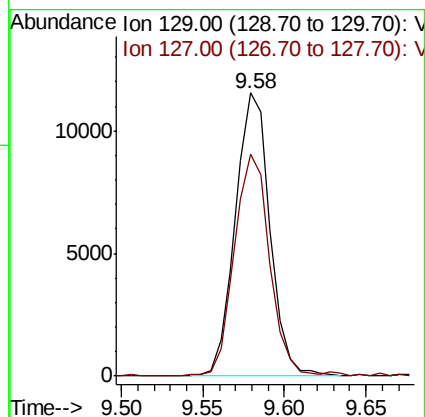
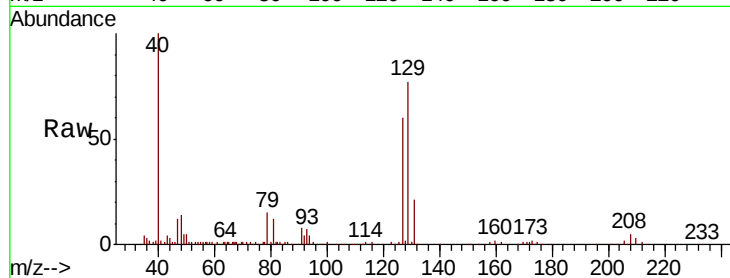
127 77.6 38.4 115.2

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#54

1,2-Dibromoethane

Concen: 5.604 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008164.D

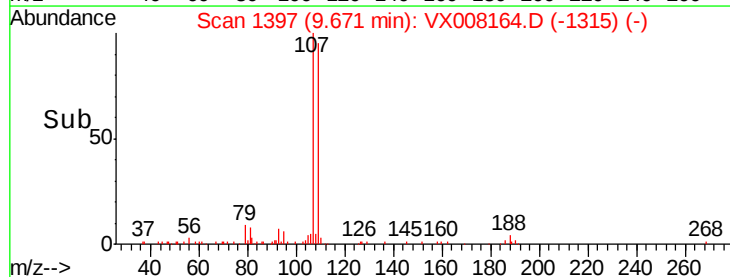
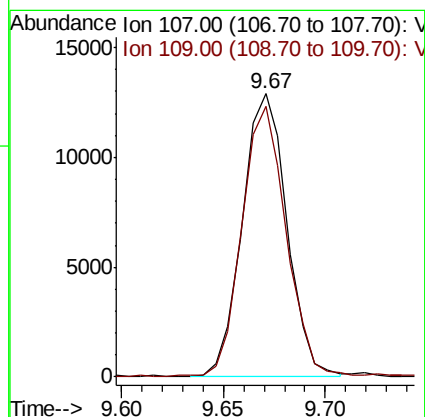
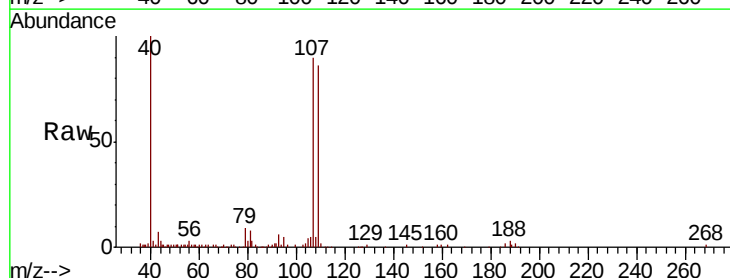
Acq: 18 Mar 2019 14:01

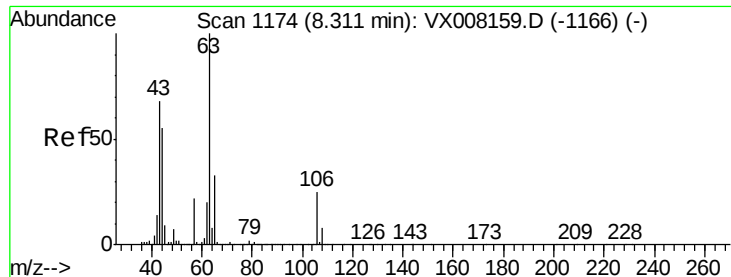
Tgt Ion:107 Resp: 19610

Ion Ratio Lower Upper

107 100

109 93.4 76.6 115.0





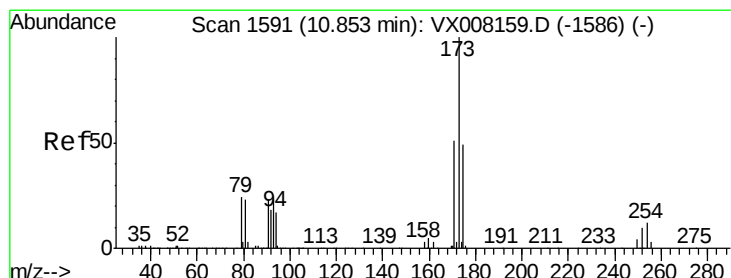
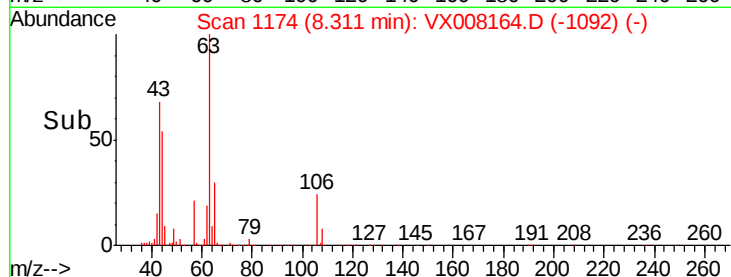
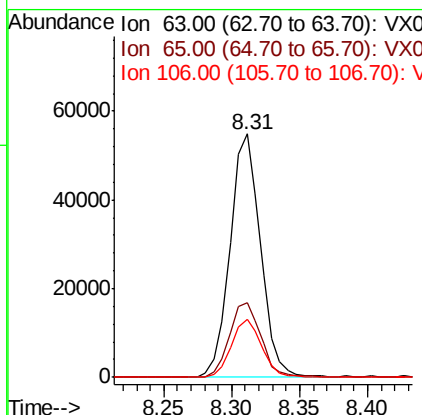
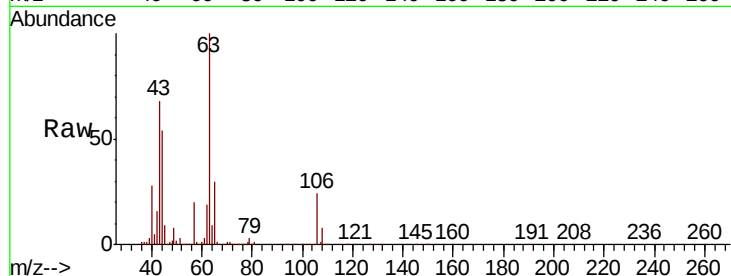
#55
2-Chloroethyl vinyl ether
Concen: 21.736 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VX008164.D
Acq: 18 Mar 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.7	38.5
106	24.1	23.7	35.5

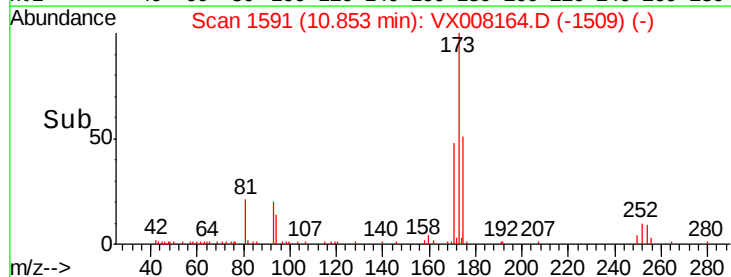
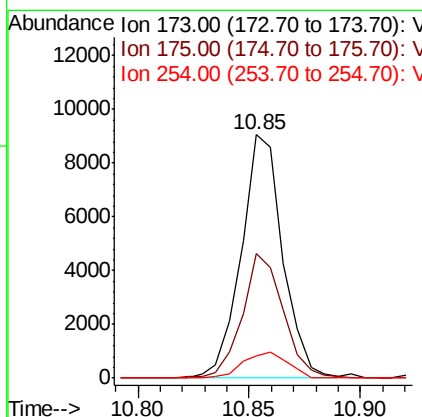
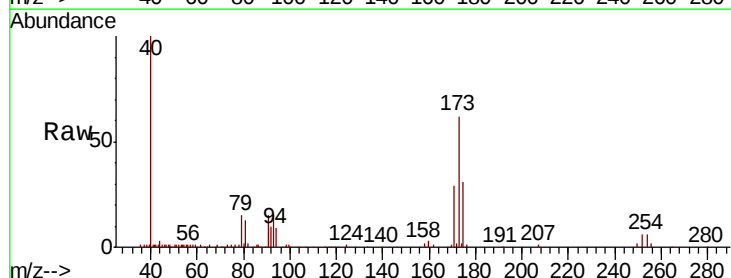
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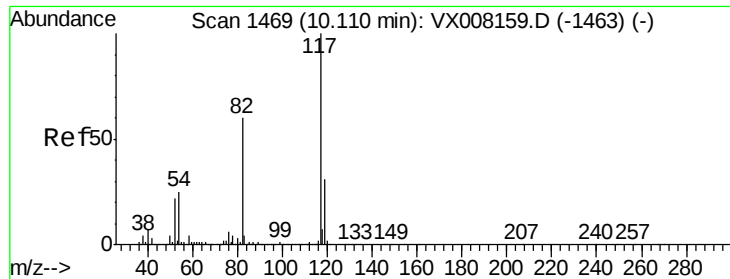
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#56
Bromoform
Concen: 5.328 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX008164.D
Acq: 18 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.6	38.5	57.7
254	11.6	7.4	11.2#





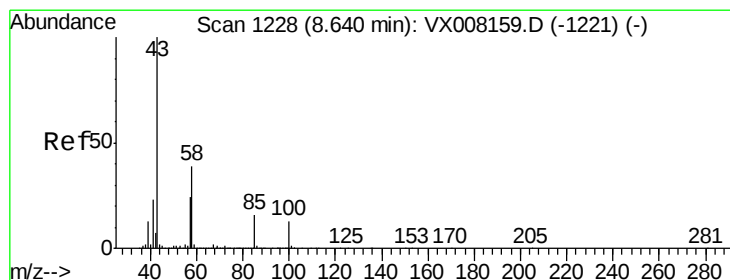
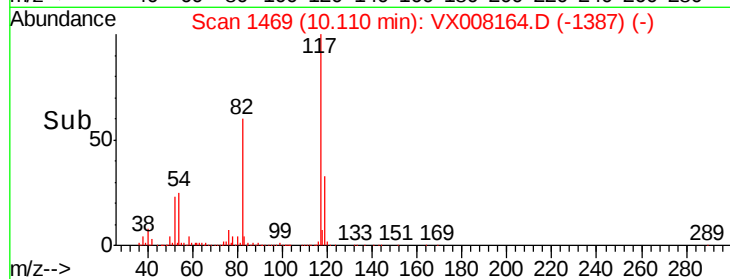
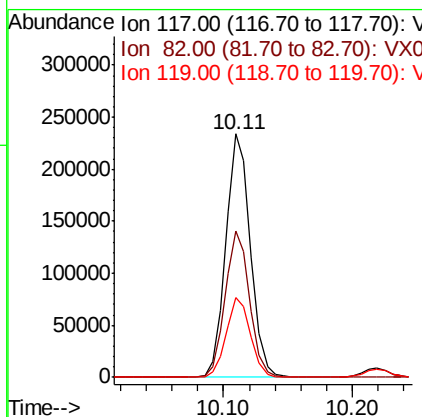
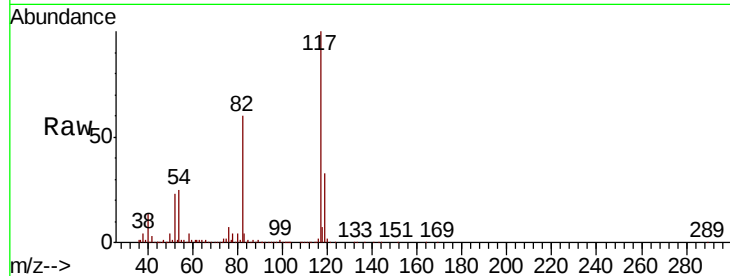
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008164.D
Acq: 18 Mar 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	313535		
82	59.5	40.4	60.6	
119	32.3	25.8	38.6	

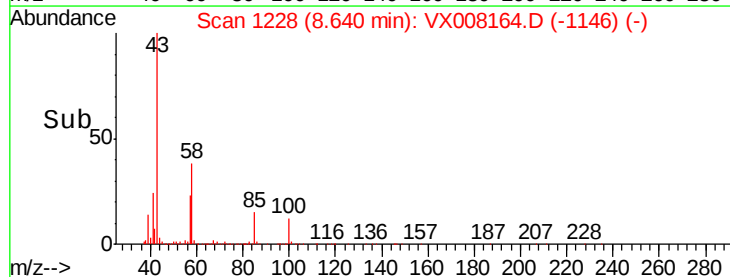
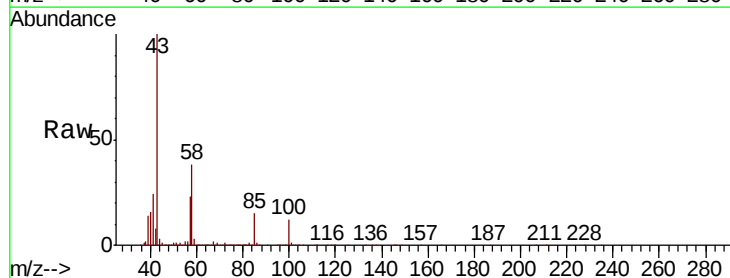
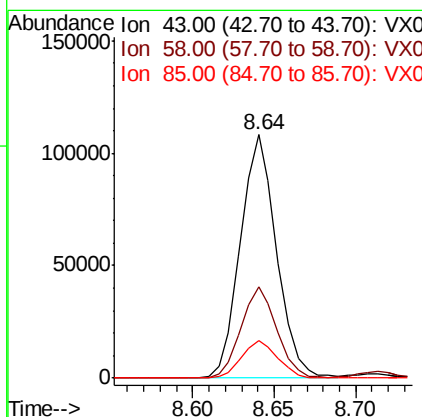
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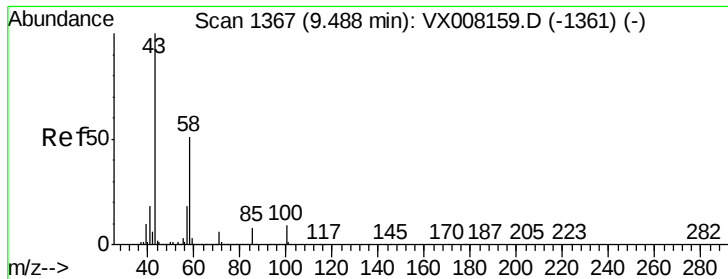
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#58
4-Methyl-2-Pentanone
Concen: 27.867 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008164.D
Acq: 18 Mar 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	166319		
58	37.2	31.4	47.0	
85	15.5	15.0	22.6	





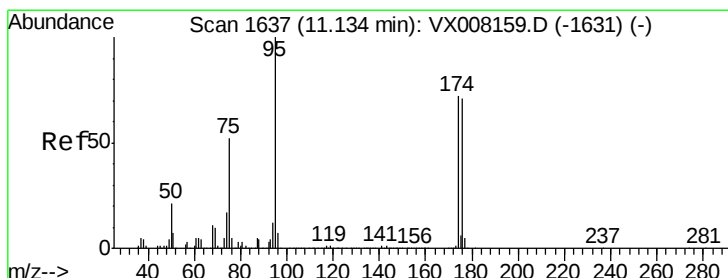
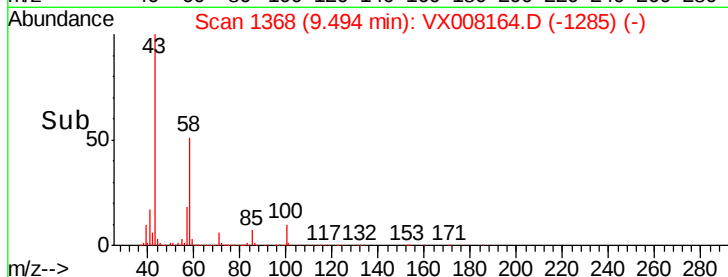
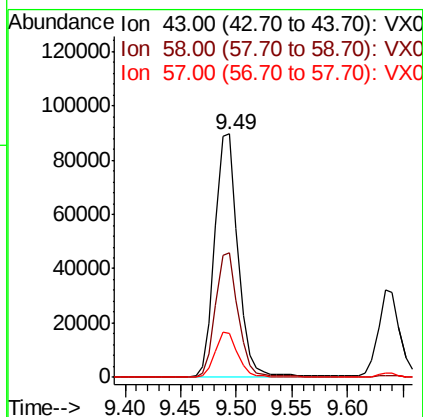
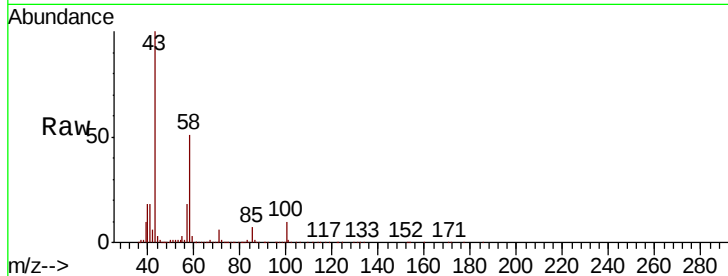
#59
2-Hexanone
Concen: 26.699 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX008164.D
Acq: 18 Mar 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.2	43.9	65.9
57	17.8	14.9	22.3

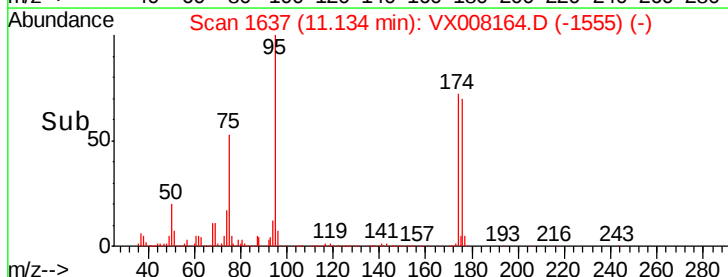
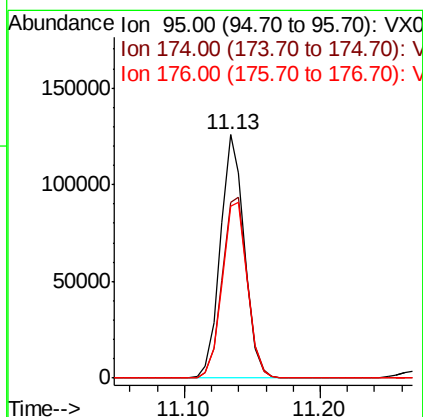
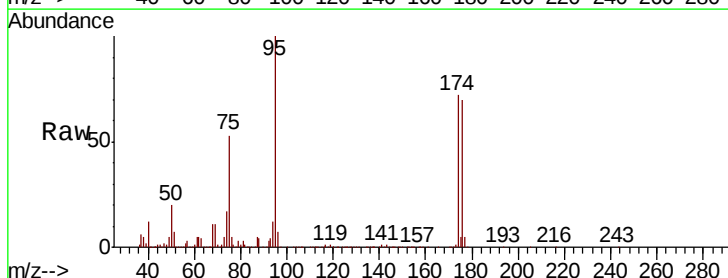
Manual Integrations
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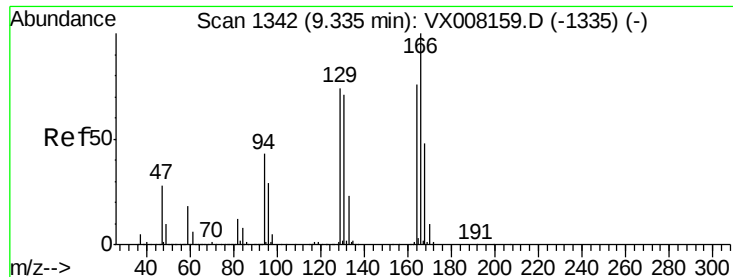
MMDadoda
3/19/2019 9:37:11 AM



#60
4-Bromofluorobenzene
Concen: 29.095 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008164.D
Acq: 18 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.1	74.9	112.3
176	75.8	70.7	106.1





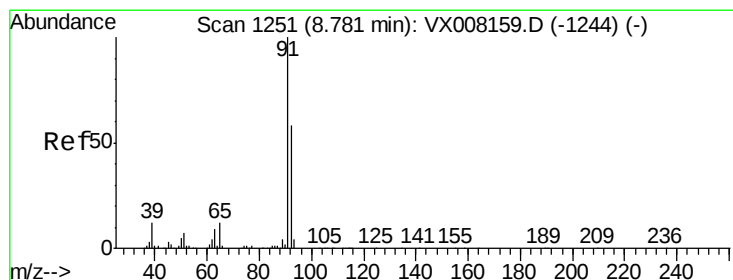
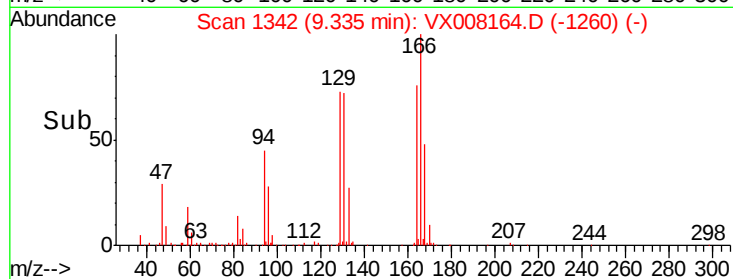
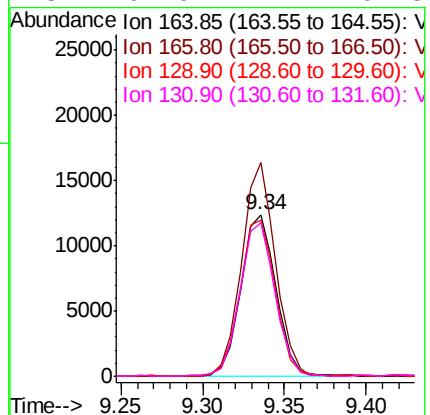
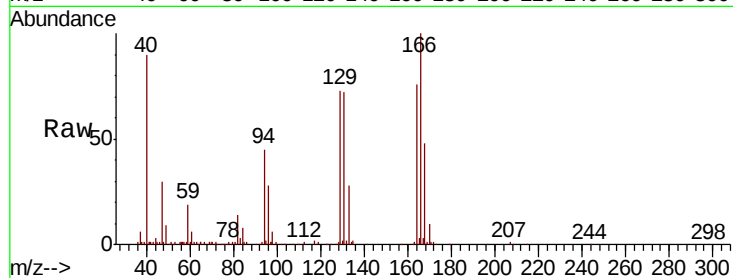
#61
Tetrachloroethene
Concen: 6.001 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008164.D
Acq: 18 Mar 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
164	100		
166	132.1	103.9	155.9
129	96.7	74.7	112.1
131	94.9	71.7	107.5

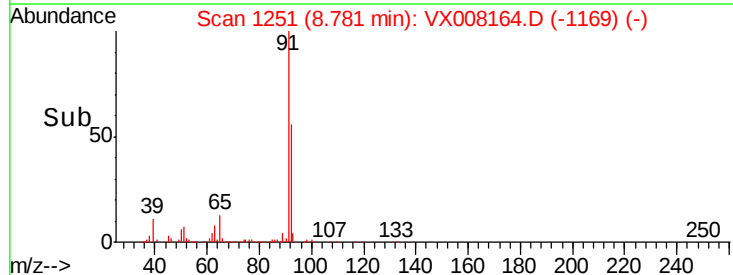
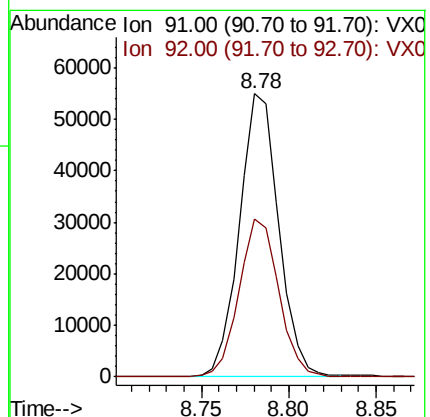
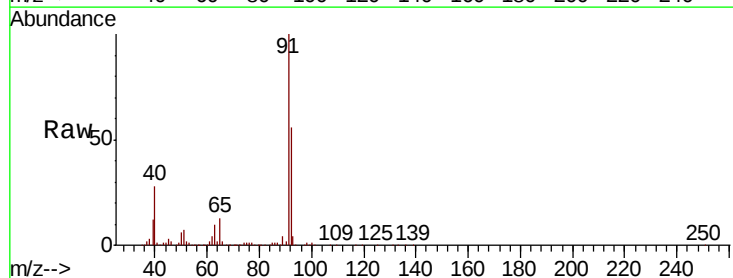
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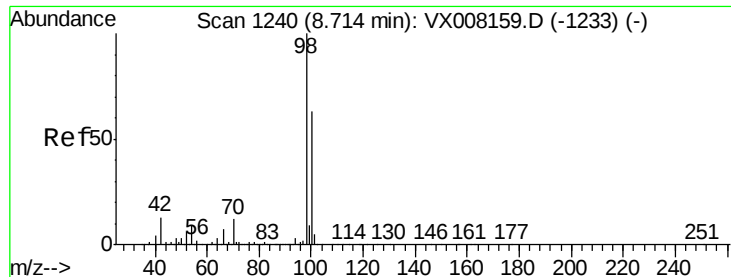
MMDadoda
3/19/2019 9:37:11 AM



#62
Toluene
Concen: 5.964 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX008164.D
Acq: 18 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.3	46.4	69.6





#63

Toluene-d8

Concen: 29.672 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 98 Resp: 456439

Ion Ratio Lower Upper

98 100

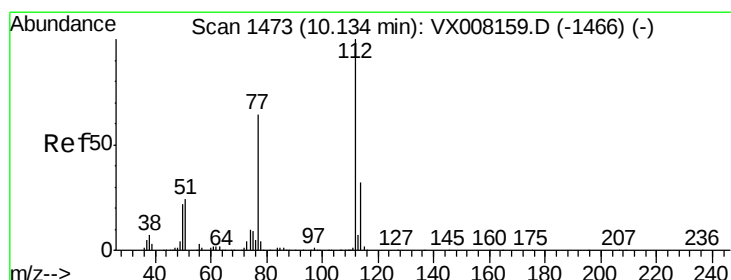
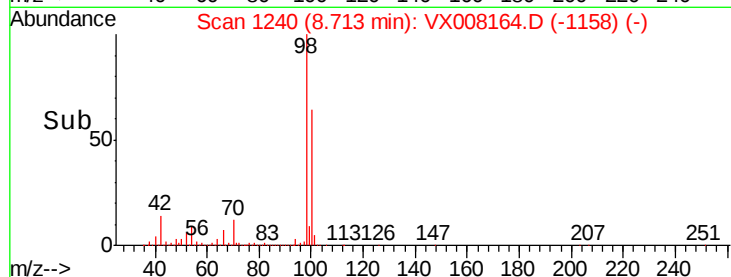
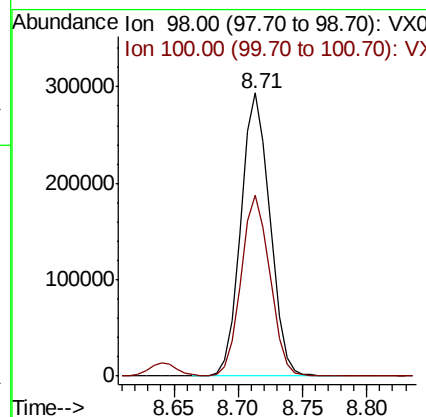
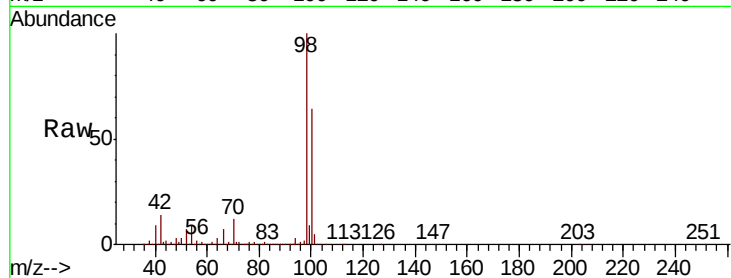
100 63.2 50.9 76.3

Manual Integrations

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#64

Chlorobenzene

Concen: 5.896 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX008164.D

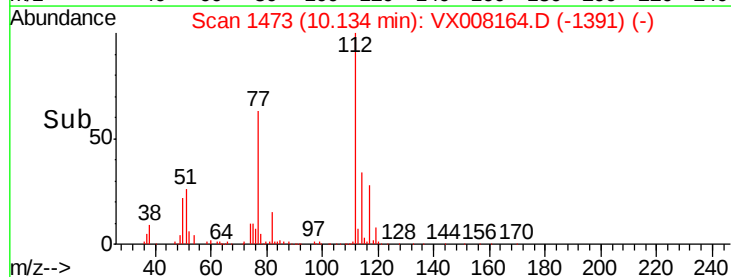
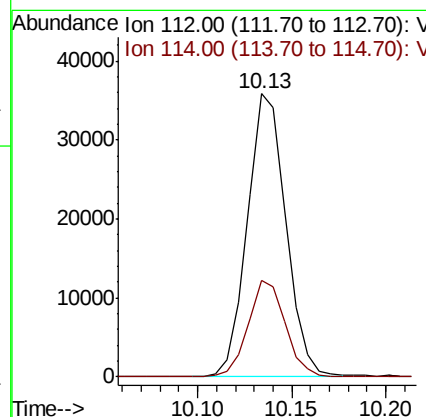
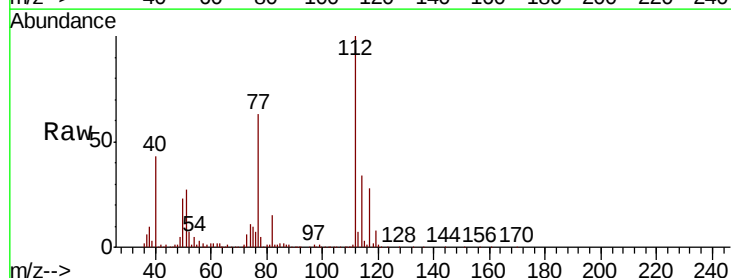
Acq: 18 Mar 2019 14:01

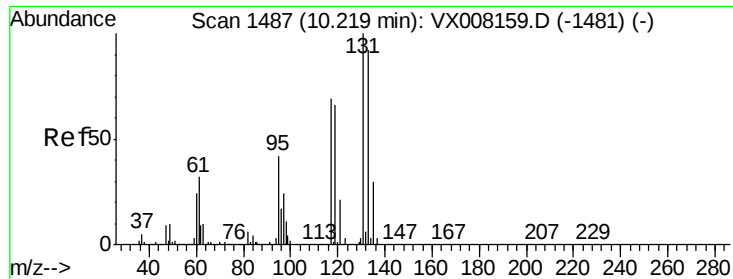
Tgt Ion: 112 Resp: 50804

Ion Ratio Lower Upper

112 100

114 33.7 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 5.674 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Instrument :

MSVOA_X

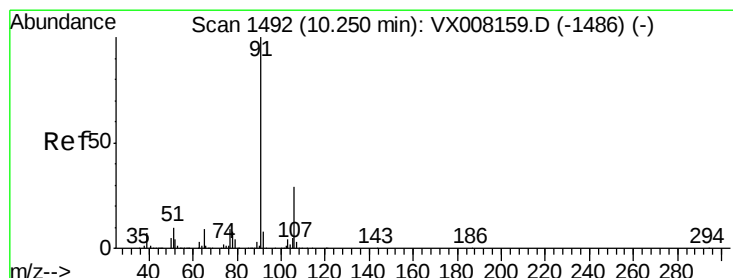
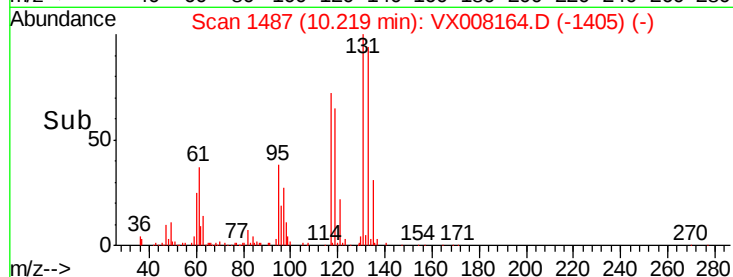
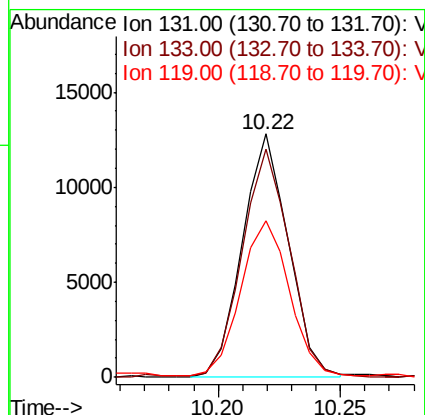
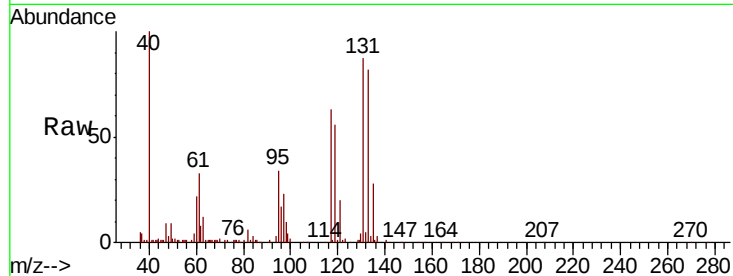
ClientSampleId :

VSTDIC005

Tot Ion:	131	Resp:	16788
Ion Ratio	Lower	Upper	
131	100		
133	96.8	0.0	191.6
119	69.3	0.0	127.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 5.893 ug/l

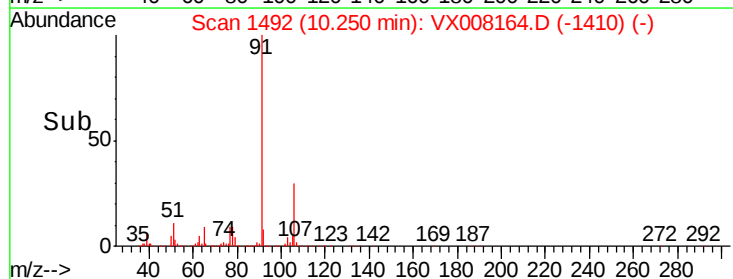
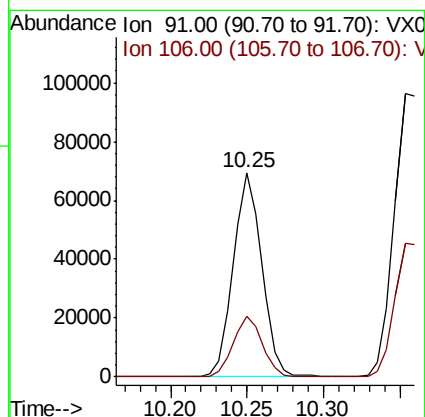
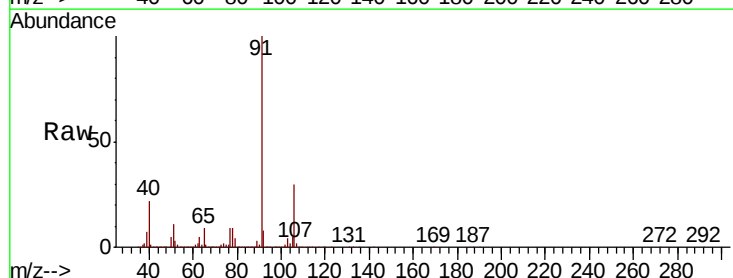
RT: 10.25 min Scan# 1492

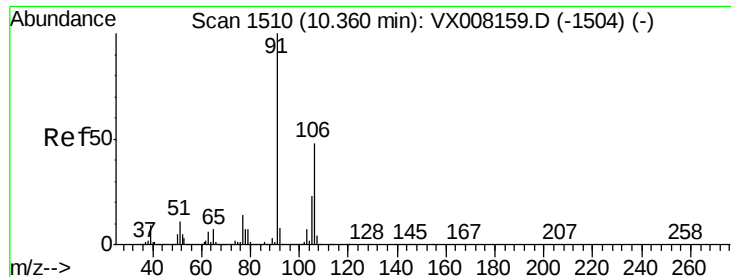
Delta R.T. -0.00 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Tgt Ion:	91	Resp:	89318
Ion Ratio	Lower	Upper	
91	100		
106	29.9	26.0	39.0





#67

m/p-Xylenes

Concen: 11.622 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion:106 Resp: 65121

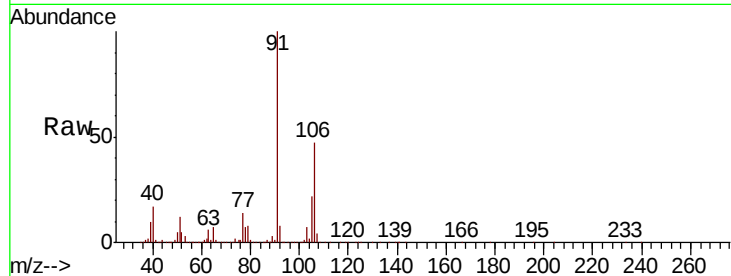
Ion Ratio Lower Upper

106 100

91 210.5 157.0 235.4

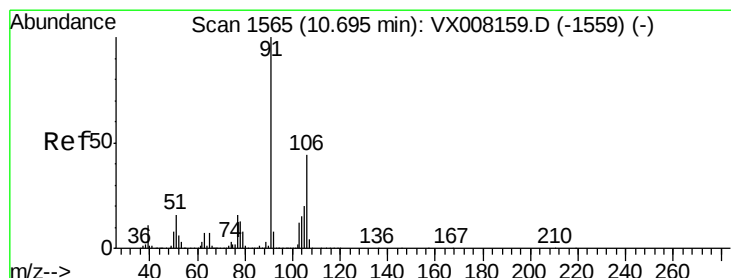
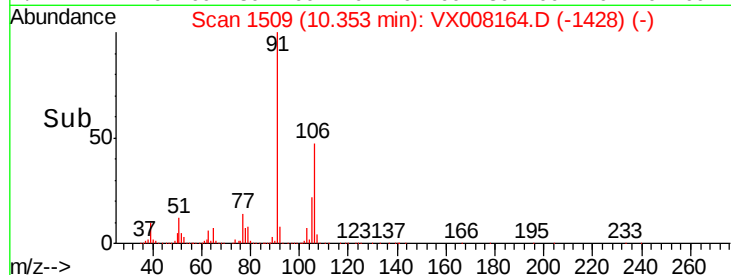
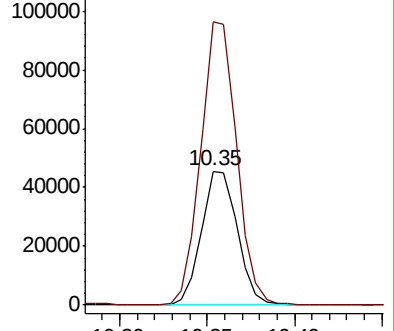
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 5.735 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX008164.D

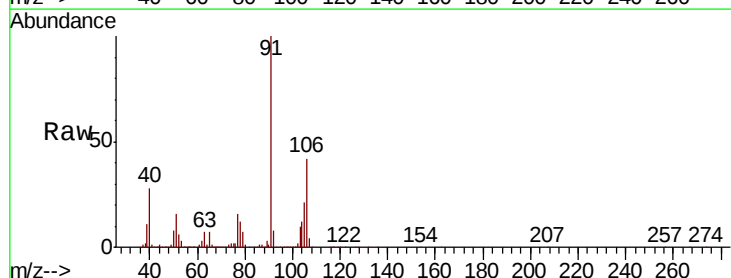
Acq: 18 Mar 2019 14:01

Tgt Ion:106 Resp: 31009

Ion Ratio Lower Upper

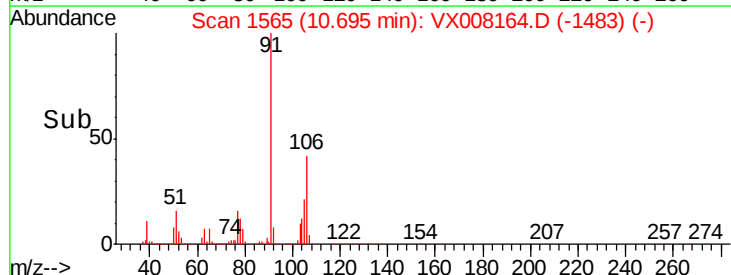
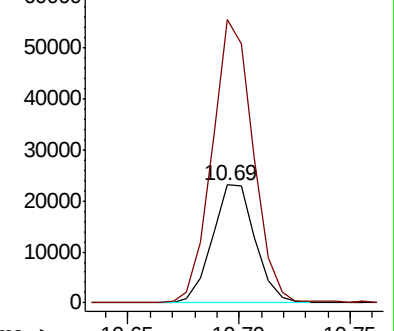
106 100

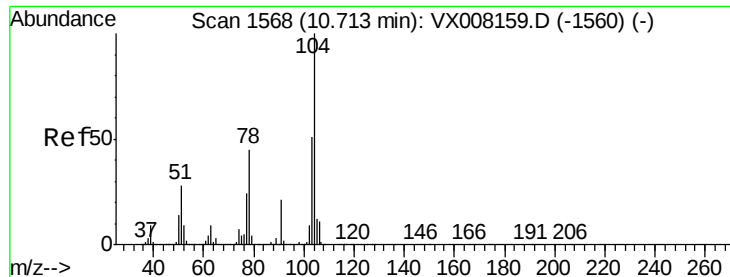
91 228.3 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





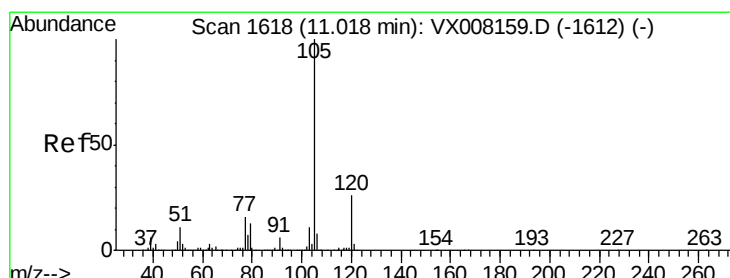
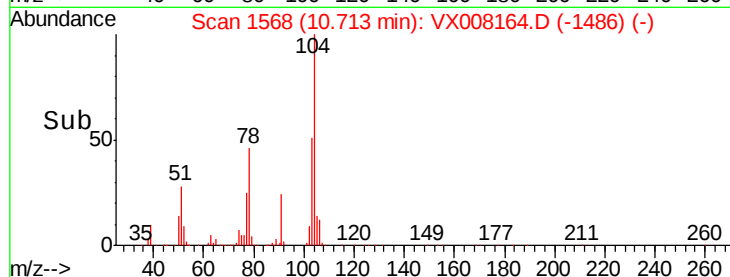
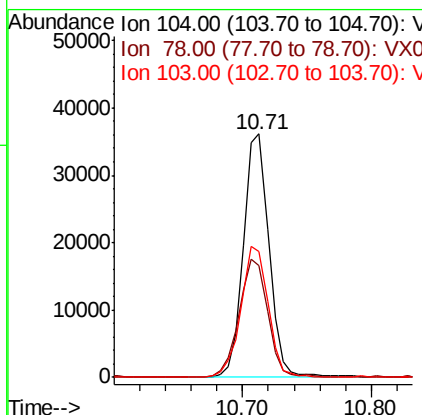
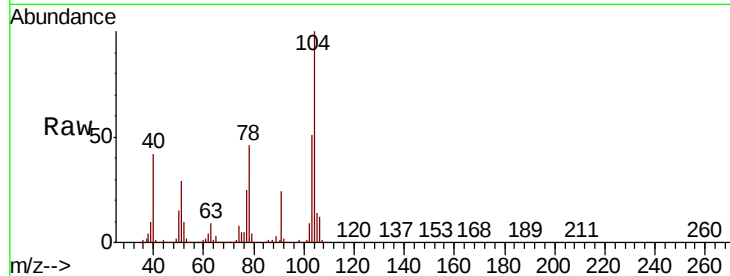
#69
Stvrene
Concen: 5.640 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008164.D
Acq: 18 Mar 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.2	38.2	57.2
103	57.5	45.0	67.4

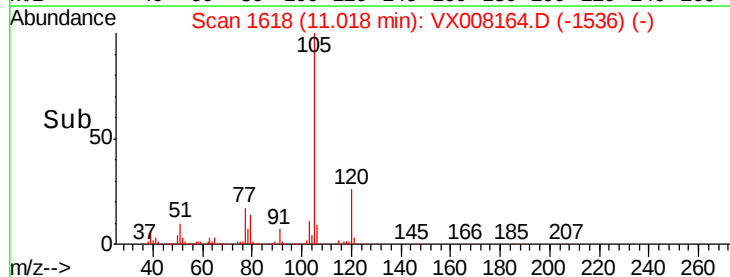
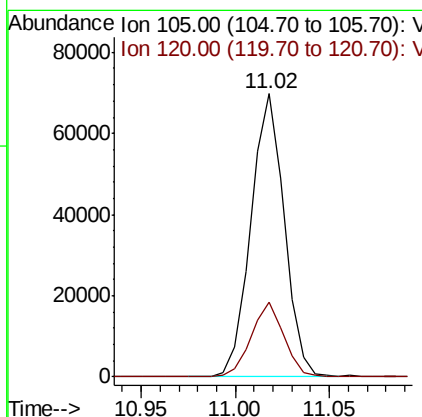
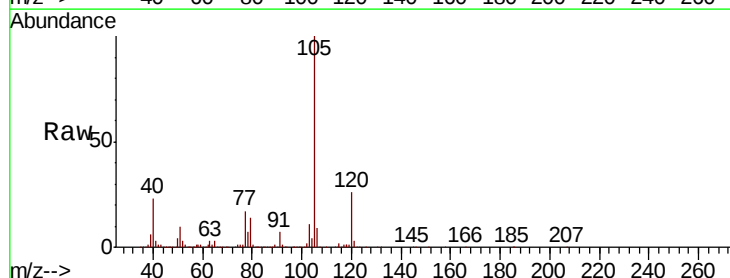
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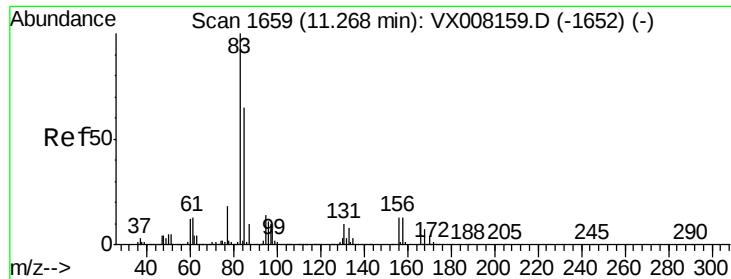
MMDadoda
3/19/2019 9:37:11 AM



#70
Isopropylbenzene
Concen: 5.879 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008164.D
Acq: 18 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	19.8	36.8





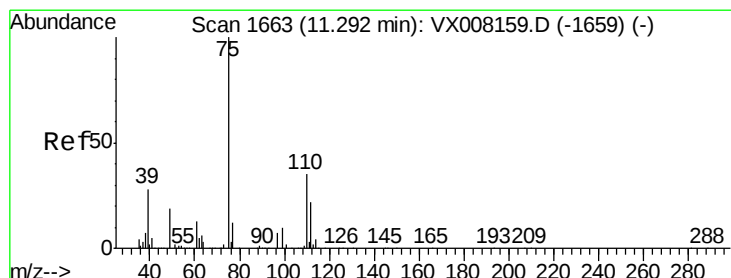
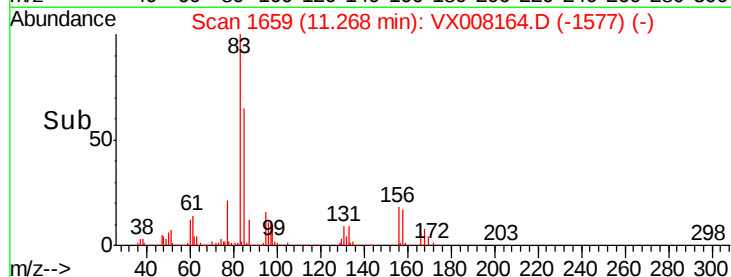
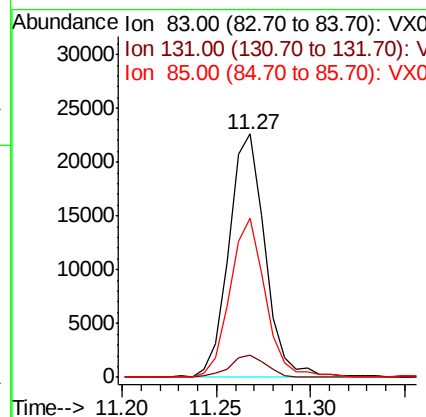
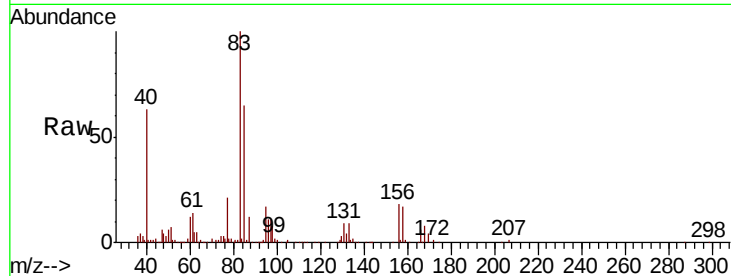
#71
 1,1,2,2-Tetrachloroethane
 Concen: 5.612 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX008164.D
 Acq: 18 Mar 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.3	5.4	16.2
85	64.8	32.8	98.4

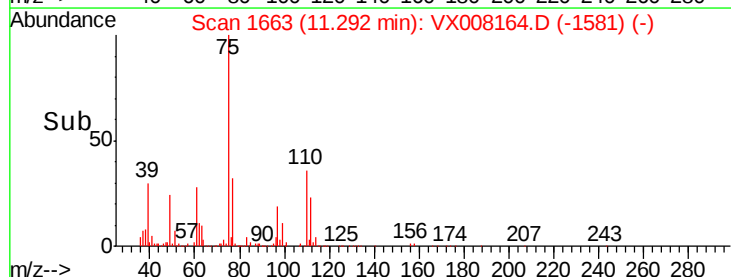
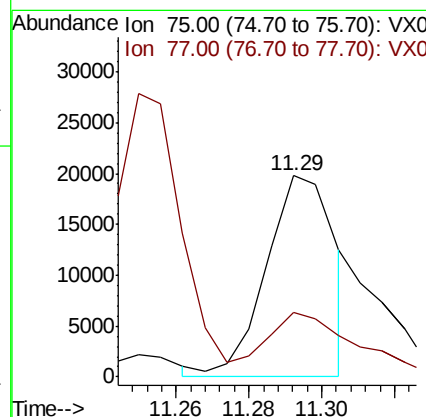
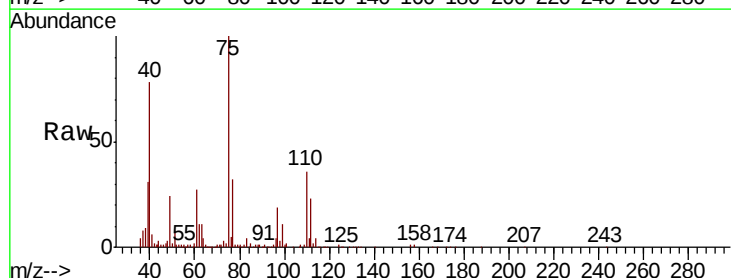
Manual Integrations
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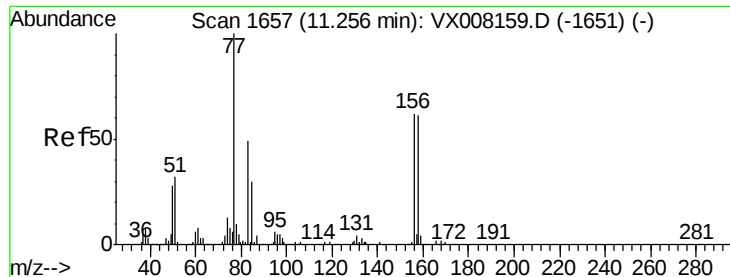
MMDadoda
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#72
 1,2,3-Trichloropropane
 Concen: 5.555 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX008164.D
 Acq: 18 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	41.9	0.0	76.4





#73

Bromobenzene

Concen: 6.106 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Instrument :

MSVOA_X

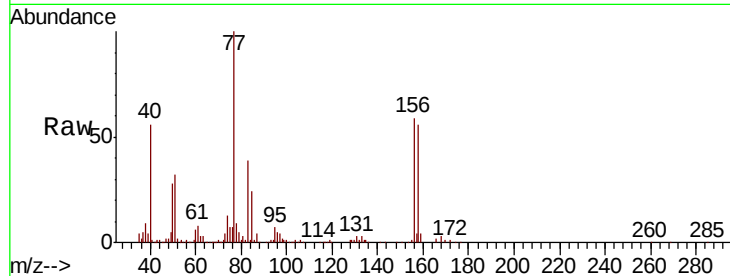
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
156	100	21015		
77	172.5	0.0	271.4	
158	94.5	0.0	194.0	

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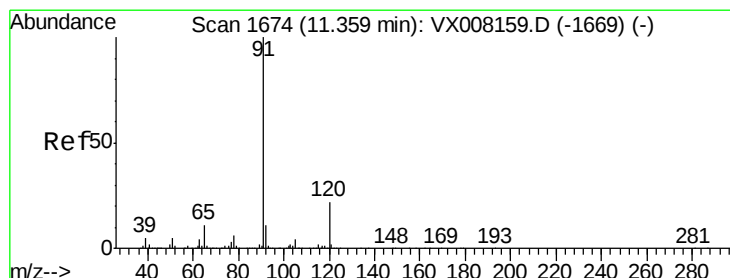
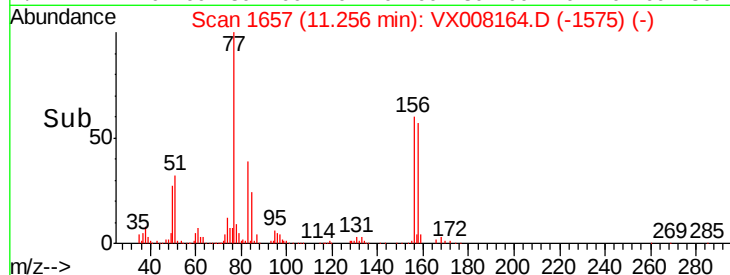
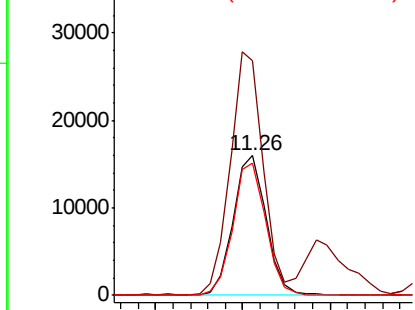


Abundance

Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 5.882 ug/l

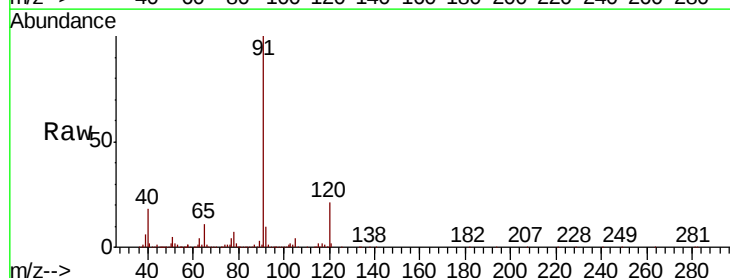
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

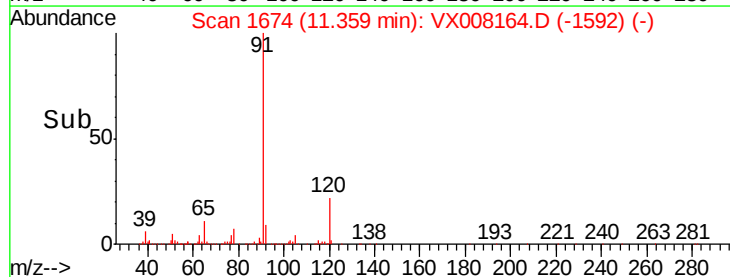
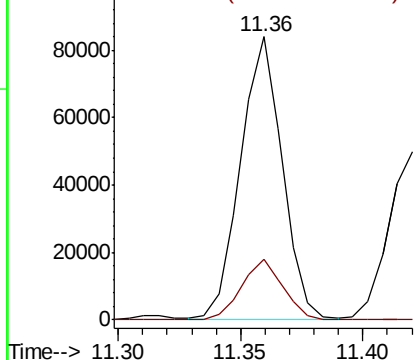
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	100070		
120	21.3	0.0	48.6	

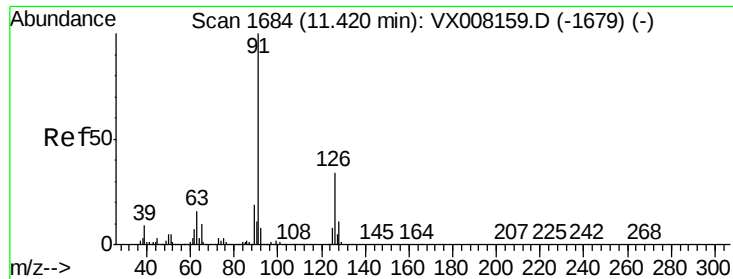


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 5.904 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 60352

Ion Ratio Lower Upper

91 100

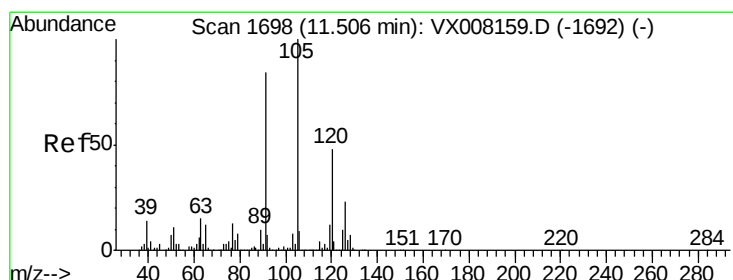
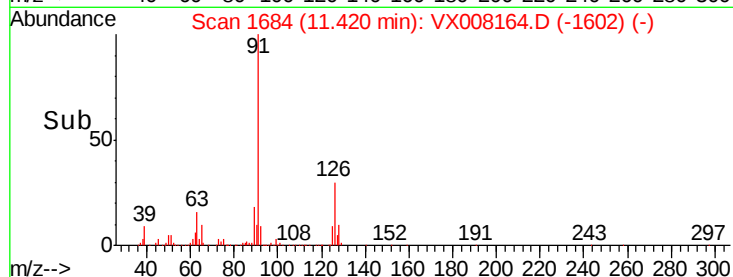
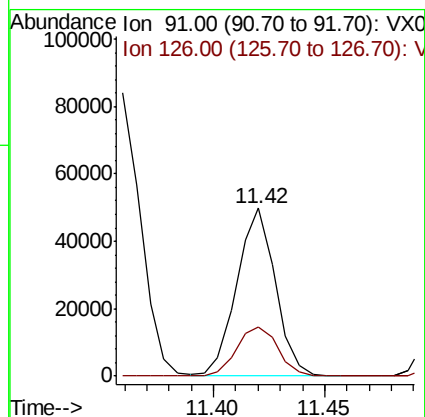
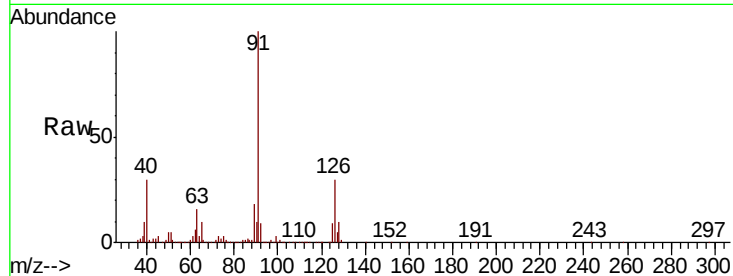
126 31.6 0.0 75.2

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 5.702 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008164.D

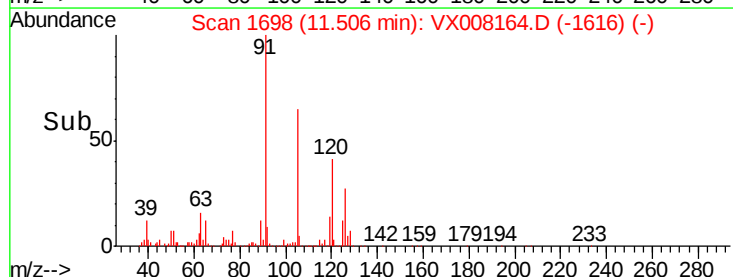
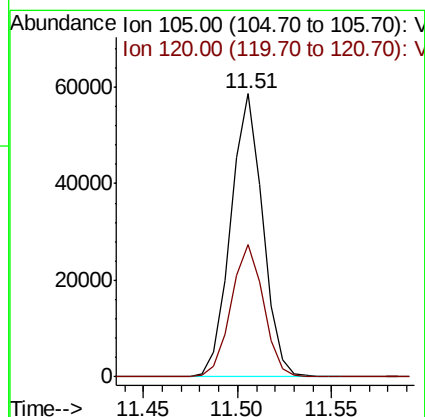
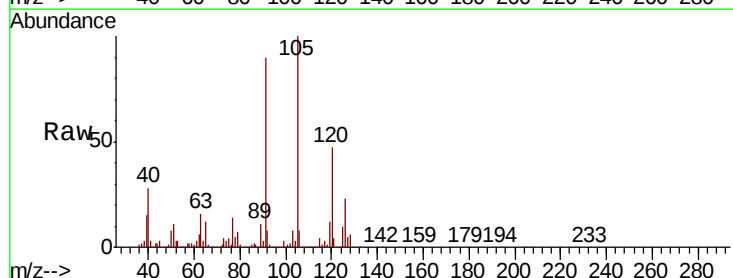
Acq: 18 Mar 2019 14:01

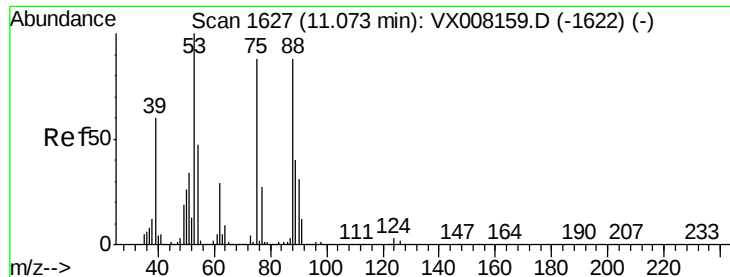
Tgt Ion: 105 Resp: 68695

Ion Ratio Lower Upper

105 100

120 47.8 0.0 101.0





#77

t-1,4-Dichloro-2-butene

Concen: 4.920 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 7485

Ion Ratio Lower Upper

75 100

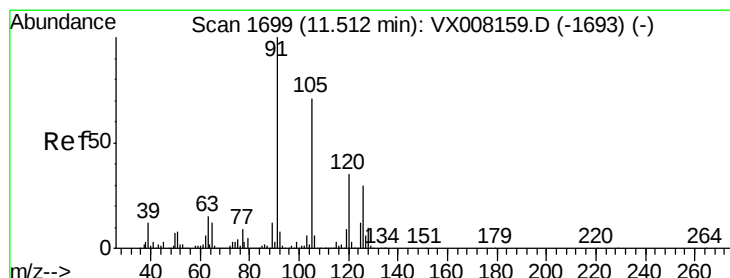
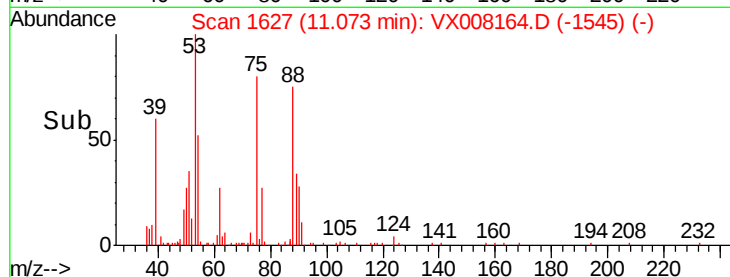
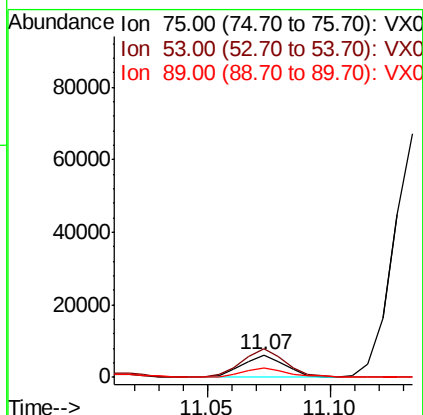
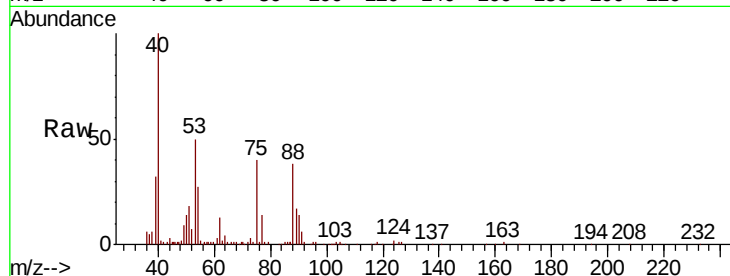
53 125.9 55.5 166.7

89 41.4 24.4 73.2

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#78

4-Chlorotoluene

Concen: 5.837 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX008164.D

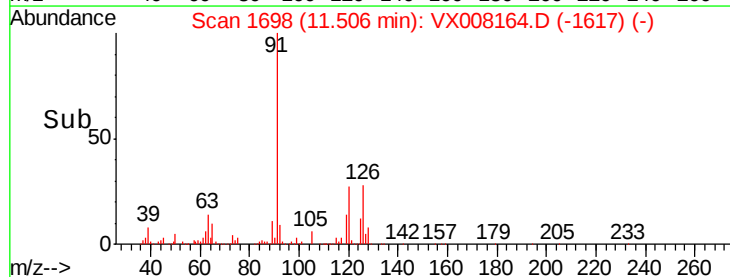
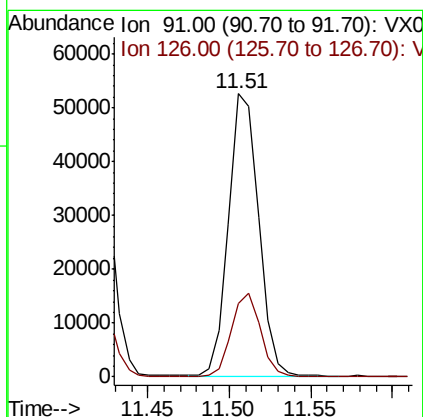
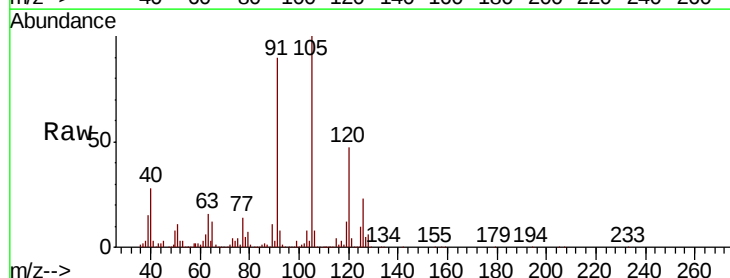
Acq: 18 Mar 2019 14:01

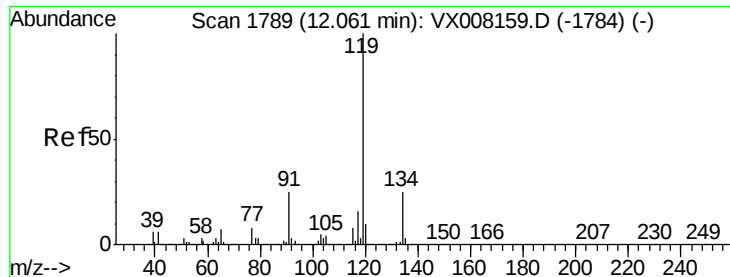
Tgt Ion: 91 Resp: 67604

Ion Ratio Lower Upper

91 100

126 28.7 0.0 66.2





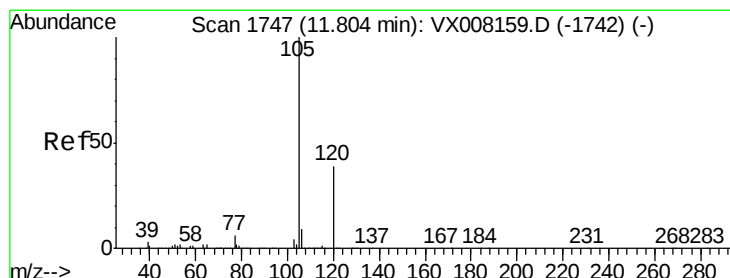
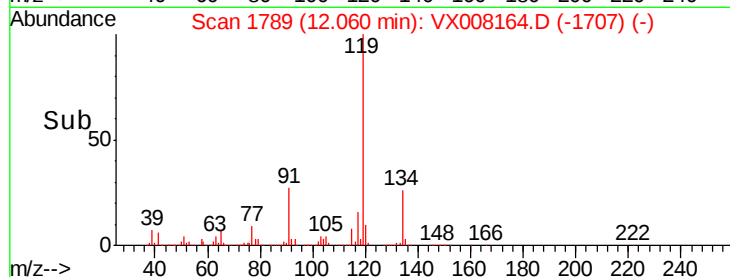
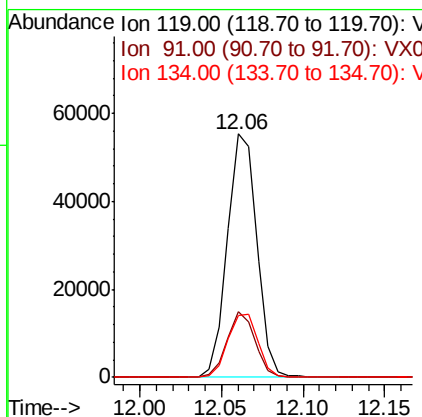
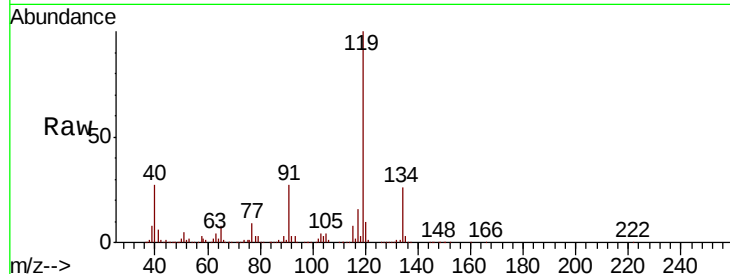
#79
tert-butylbenzene
Concen: 5.765 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX008164.D
Acq: 18 Mar 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	25.8	0.0	45.0
134	26.7	0.0	55.4

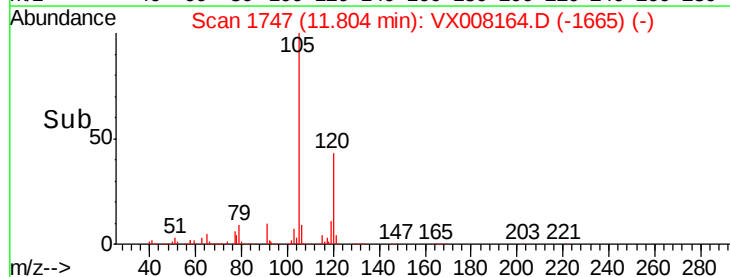
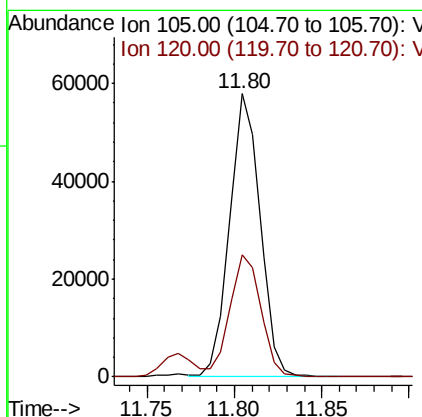
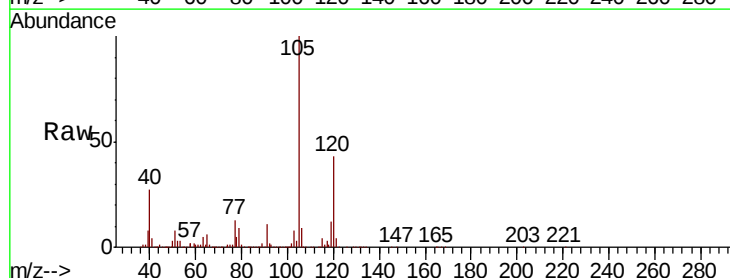
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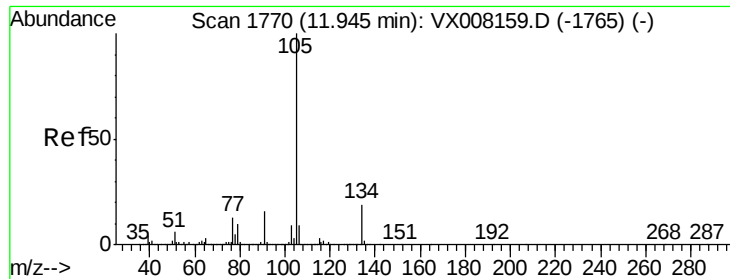
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#80
1,2,4-Trimethylbenzene
Concen: 5.777 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008164.D
Acq: 18 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	0.0	94.0





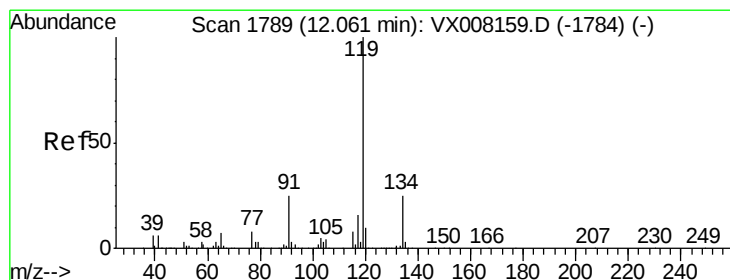
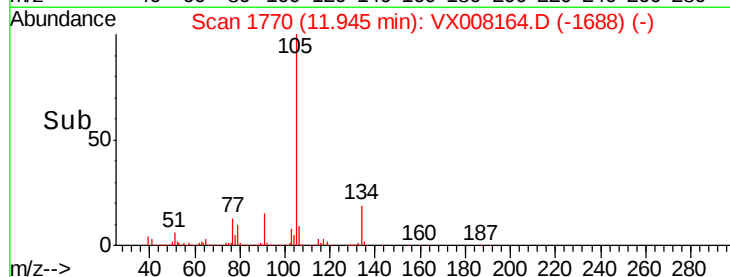
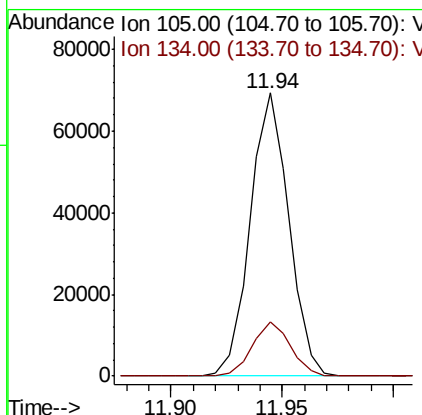
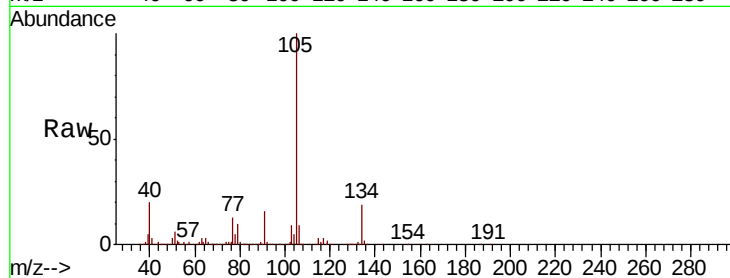
#81
 sec-Butylbenzene
 Concen: 5.845 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX008164.D
 Acq: 18 Mar 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
105	100	83508		
134	19.1	0.0	41.8	

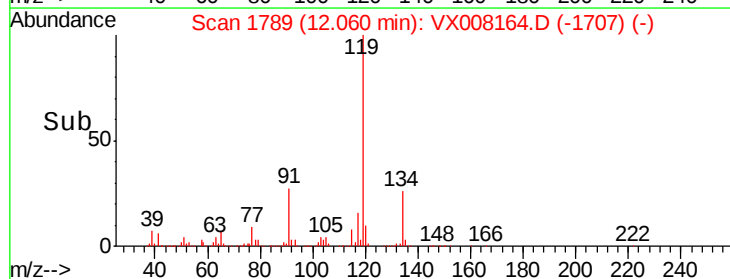
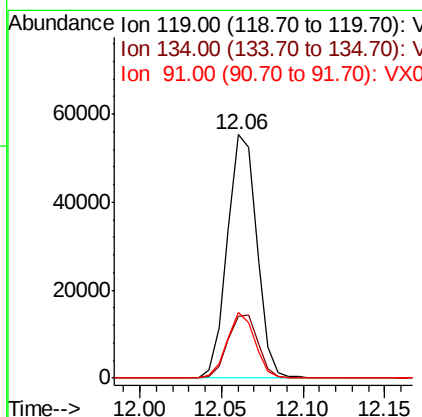
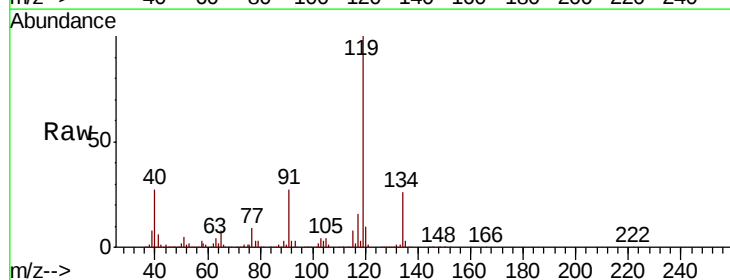
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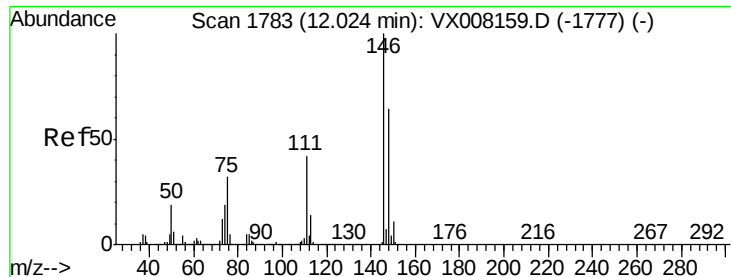
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#82
 p-Isopropyltoluene
 Concen: 5.765 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX008164.D
 Acq: 18 Mar 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	69508		
134	26.7	0.0	55.4	
91	25.8	0.0	45.0	





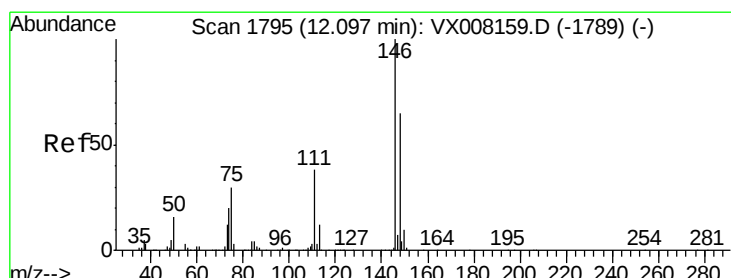
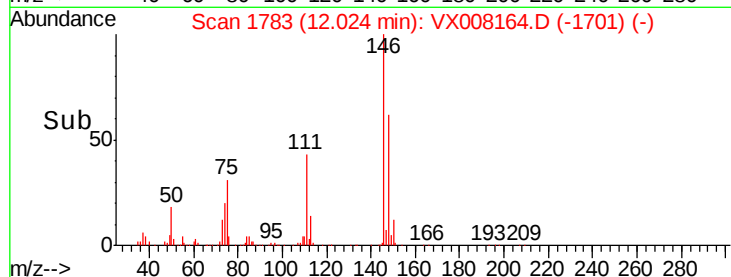
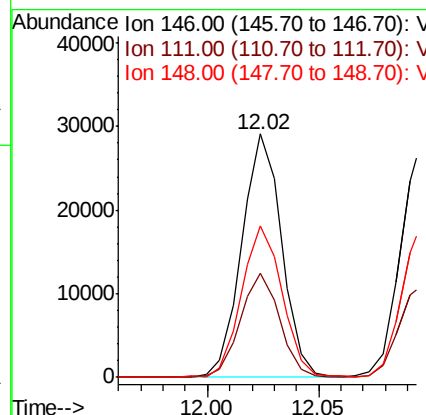
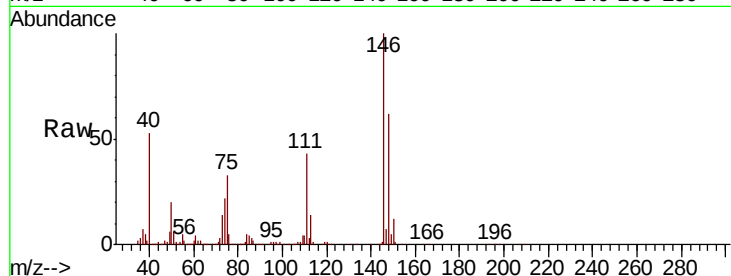
#83
 1,3-Dichlorobenzene
 Concen: 5.859 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008164.D
 Acq: 18 Mar 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	18.8	56.3
148	63.2	30.6	91.8

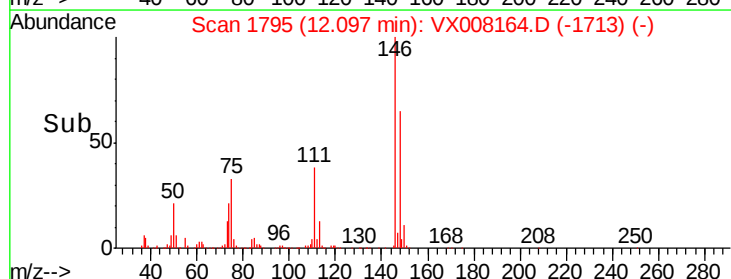
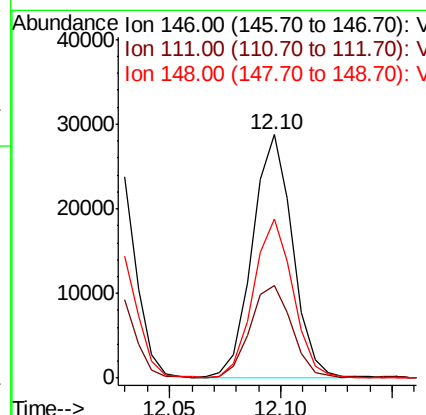
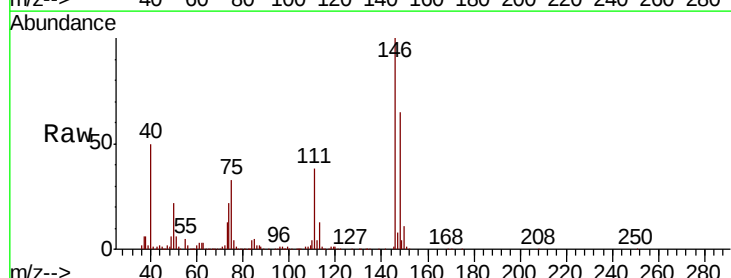
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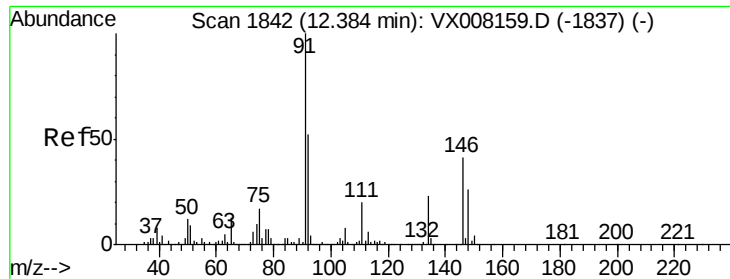
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#84
 1,4-Dichlorobenzene
 Concen: 6.034 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008164.D
 Acq: 18 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	17.6	52.8
148	63.6	31.4	94.2





#85

n-Butylbenzene

Concen: 5.787 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Instrument :

MSVOA_X

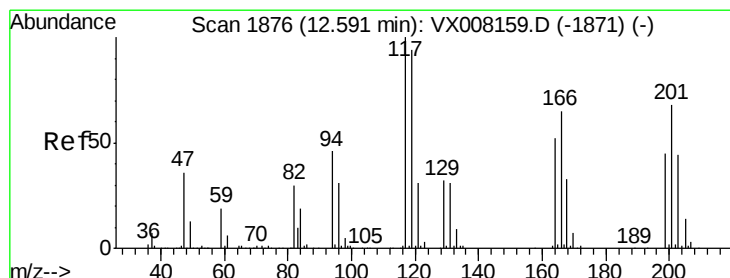
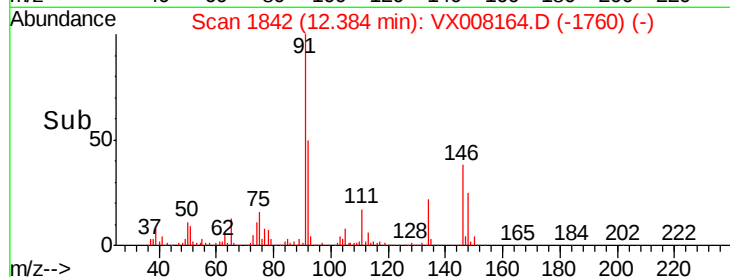
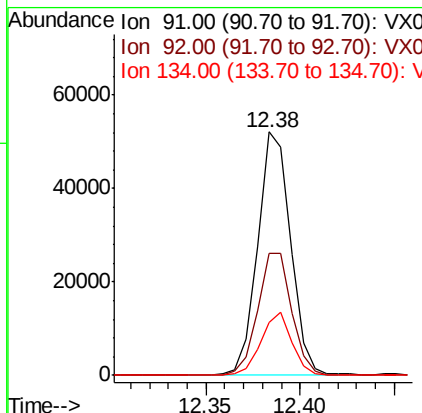
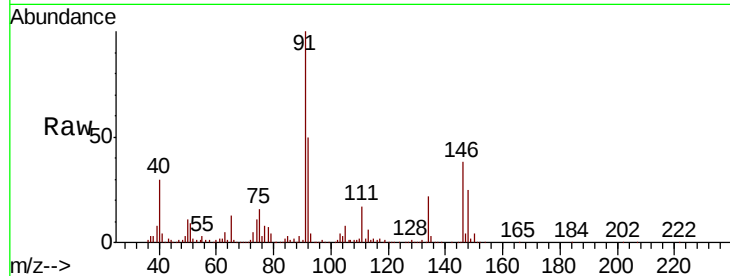
ClientSampleId :

VSTDIC005

Tot Ion:	91	Resp:	63260
Ion Ratio	Lower	Upper	
91	100		
92	51.6	0.0	105.2
134	24.2	0.0	56.4

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#86

Hexachloroethane

Concen: 5.607 ug/l

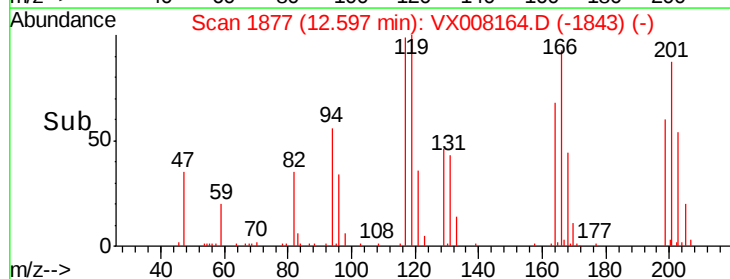
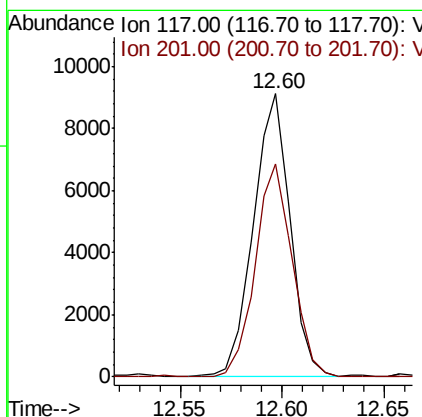
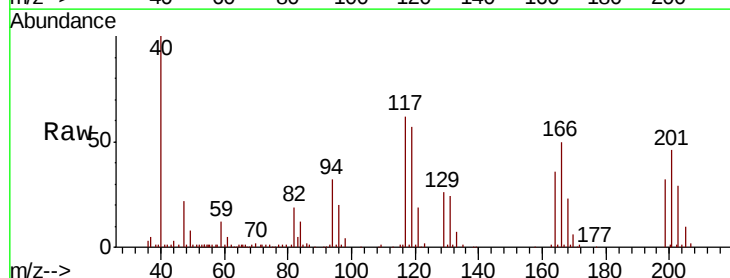
RT: 12.60 min Scan# 1877

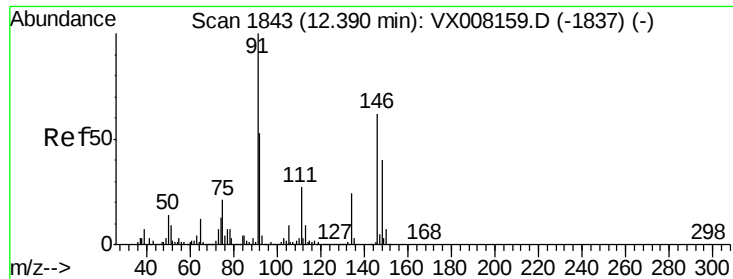
Delta R.T. 0.01 min

Lab File: VX008164.D

Acq: 18 Mar 2019 14:01

Tgt Ion:	117	Resp:	11428
Ion Ratio	Lower	Upper	
117	100		
201	75.7	41.1	123.3





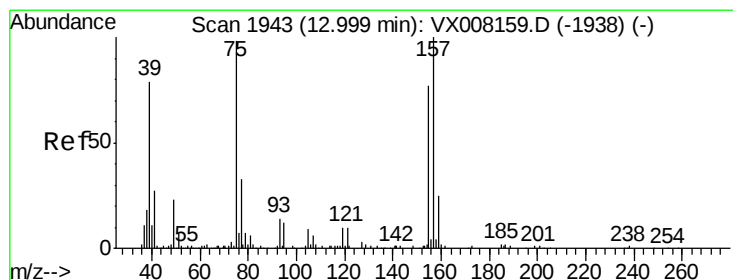
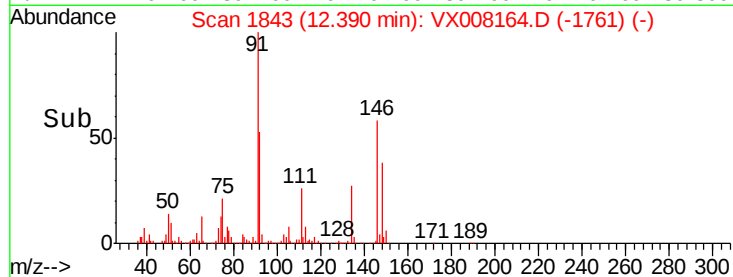
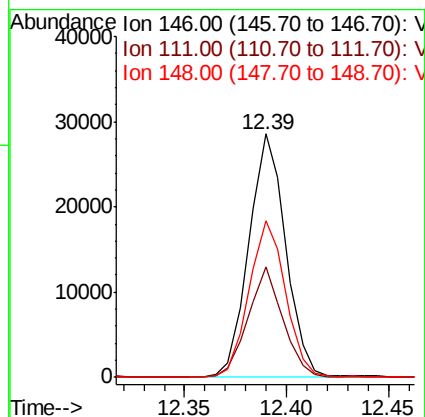
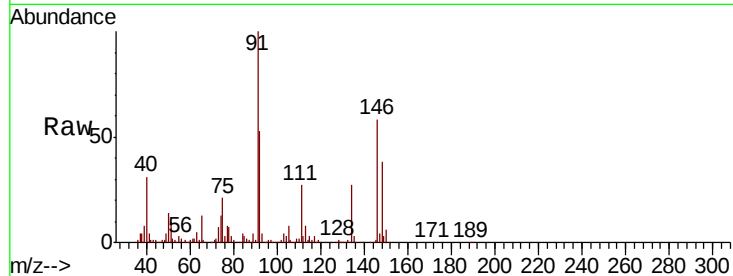
#87
 1,2-Dichlorobenzene
 Concen: 5.826 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008164.D
 Acq: 18 Mar 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	19.3	57.8
148	64.0	32.1	96.3

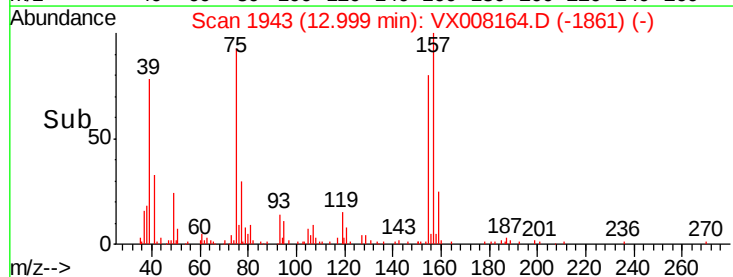
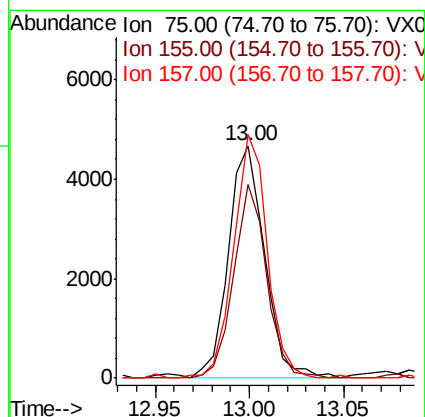
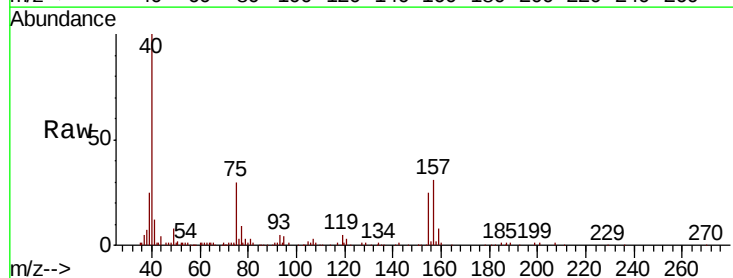
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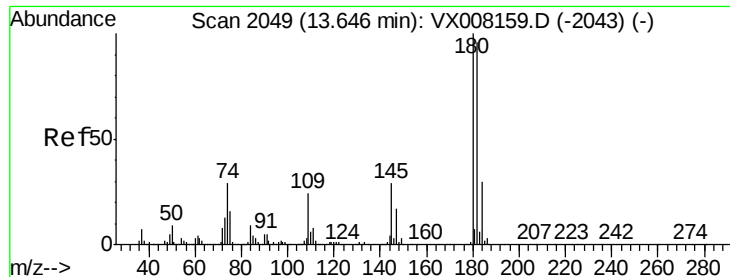
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 5.595 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008164.D
 Acq: 18 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.6	81.0	121.6#
157	97.4	103.2	154.8#





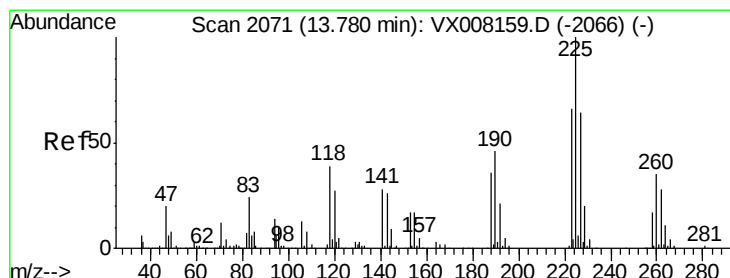
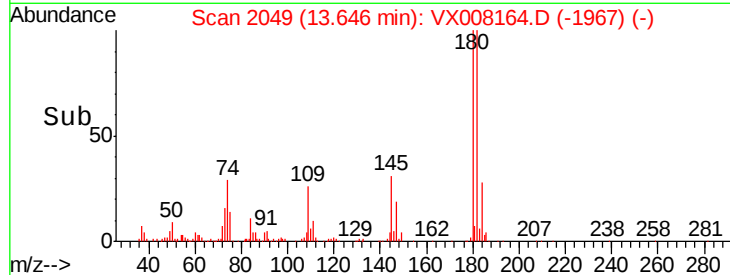
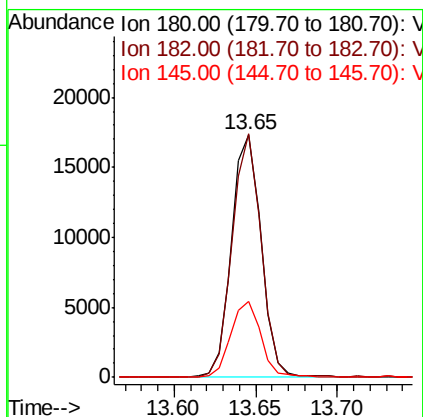
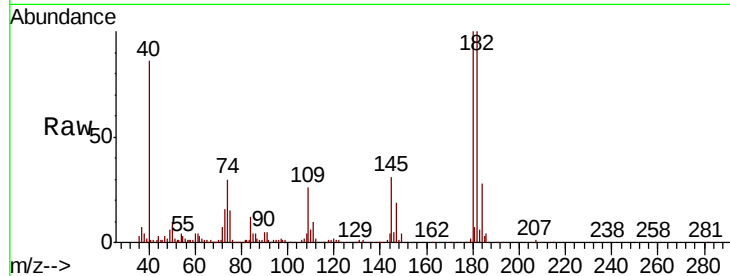
#89
 1,2,4-Trichlorobenzene
 Concen: 5.703 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008164.D
 Acq: 18 Mar 2019 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	21982		
182	97.1	75.6	113.4	
145	31.4	23.0	34.6	

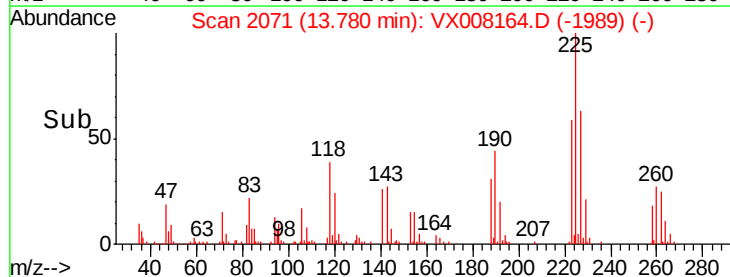
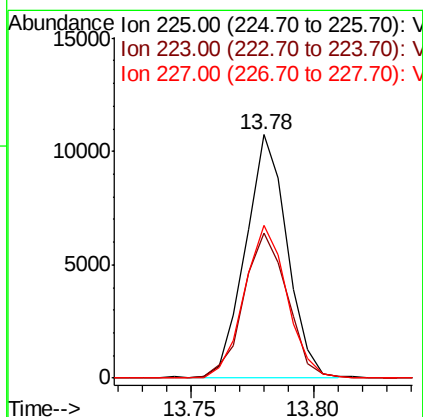
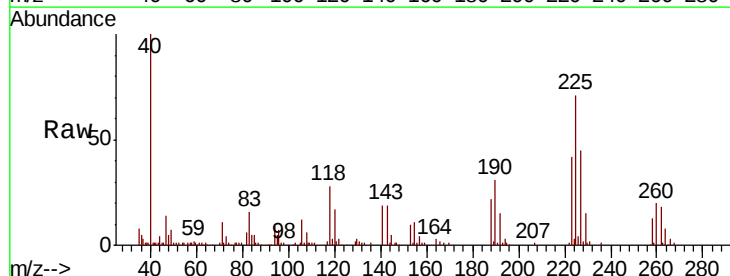
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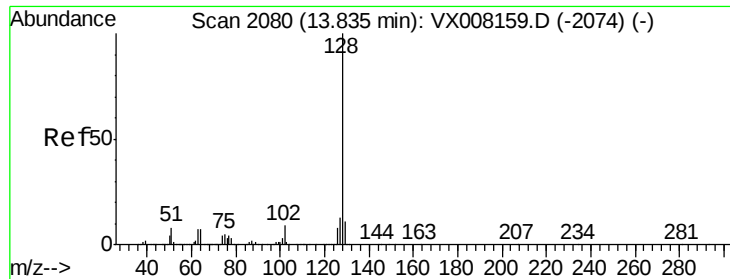
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#90
 Hexachlorobutadiene
 Concen: 6.446 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008164.D
 Acq: 18 Mar 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	12797		
223	62.3	0.0	123.8	
227	64.2	0.0	124.4	





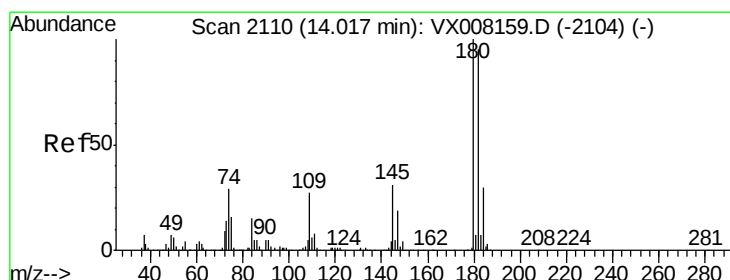
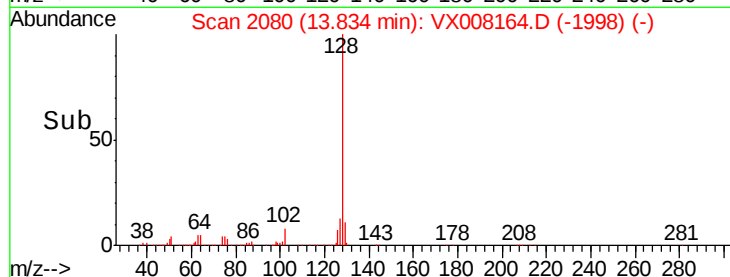
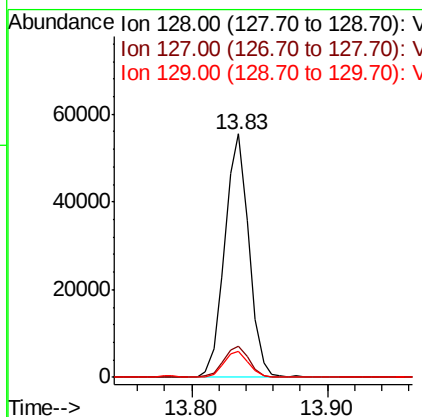
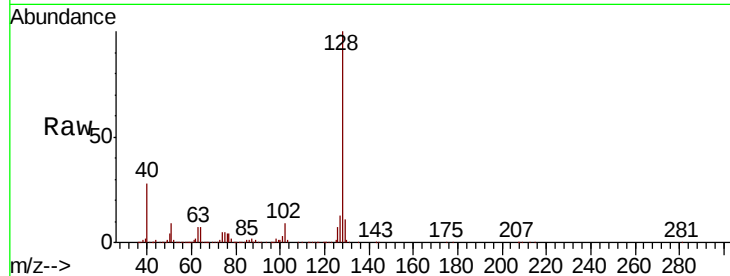
#91
Naphthalene
Concen: 5.415 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008164.D
Acq: 18 Mar 2019 14:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.5	15.7
129	11.0	8.9	13.3

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#92
1,2,3-Trichlorobenzene
Concen: 5.822 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008164.D
Acq: 18 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	0.0	193.0
145	33.4	0.0	63.0

