

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021319\
 Data File : VX007502.D
 Acq On : 12 Feb 2019 23:55
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 2/13/2019 11:52:49 AM

Quant Time: Feb 13 07:57:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X021319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 13 07:08:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	75224	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	414143	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	372600	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	149602	30.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.17%
60) 4-Bromofluorobenzene	11.13	95	168909	29.48	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.27%
63) Toluene-d8	8.71	98	501860	29.88	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	389602	110.552	ug/l 97
3) Chloromethane	1.33	50	423878	108.728	ug/l 95
4) Vinyl Chloride	1.41	62	479407	109.205	ug/l 98
5) Bromomethane	1.64	94	441125	101.355	ug/l 100
6) Chloroethane	1.71	64	305299	103.317	ug/l 95
7) Trichlorofluoromethane	1.93	101	762209	104.058	ug/l 97
8) Diethyl Ether	2.19	74	301069	107.910	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	422574	98.501	ug/l 99
10) 1,1-Dichloroethene	2.37	96	427714	107.990	ug/l 98
11) Methyl Iodide	2.51	142	671604	107.772	ug/l 97
12) Methyl Acetate	2.78	43	554909	86.399	ug/l 99
13) Acrolein	2.30	56	523432	904.739	ug/l 99
14) Acrylonitrile	3.15	53	1335582	532.318	ug/l 99
15) Acetone	2.45	58	359047	509.813	ug/l 94
16) Carbon Disulfide	2.57	76	1179472	120.426	ug/l 100
17) Allyl chloride	2.73	41	745968	109.334	ug/l 97
18) Methylene Chloride	2.85	84	463836	102.637	ug/l 96
19) trans-1,2-Dichloroethene	3.17	96	456761	106.992	ug/l 98
20) Diisopropyl ether	3.87	45	1387154	108.682	ug/l 96
21) 1,1-Dichloroethane	3.70	63	761989	105.107	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	506754	107.427	ug/l 99
23) tert-Butyl Alcohol	3.09	59	562490	535.891	ug/l 100
24) Methyl tert-Butyl Ether	3.21	73	1475794	106.921	ug/l 99
25) Chloroform	5.22	83	808633	107.420	ug/l 98
26) Cyclohexane	5.57	56	661516	107.558	ug/l # 100
29) 1,1-Dichloropropene	5.80	75	590601	107.686	ug/l 99
30) 2-Butanone	4.70	43	1707198	524.319	ug/l 99
31) 2,2-Dichloropropane	4.59	77	479084	89.730	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	710195	109.006	ug/l 99
33) Carbon Tetrachloride	5.78	117	638104	111.291	ug/l 96
34) Benzene	6.14	78	1820133	107.210	ug/l 98
35) Methacrylonitrile	5.06	41	357472	107.037	ug/l 98
36) 1,2-Dichloroethane	6.20	62	616484	105.521	ug/l 100
37) Trichloroethene	7.21	130	525709	105.468	ug/l 97
38) Methylcyclohexane	7.46	83	686022	99.719	ug/l 99
39) 1,2-Dichloropropane	7.51	63	451065	105.883	ug/l 98
40) Dibromomethane	7.66	93	328081	106.264	ug/l 95

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

41) Bromodichloromethane	7.90	83	608720	112.637	ug/l	99
42) Vinyl Acetate	3.83	43	6179224	549.875	ug/l	100
43) Ethyl Acetate	4.86	43	664962	108.047	ug/l #	82
44) Isopropyl Acetate	6.46	43	1051290	109.873	ug/l	99
45) 1,4-Dioxane	7.75	88	242327	2106.609	ug/l	99
46) Methyl methacrylate	7.77	41	524889	107.919	ug/l	99
47) n-amyl Acetate	10.90	43	940899	112.254	ug/l	95
48) t-1,3-Dichloropropene	9.04	75	660303	113.423	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	716063	110.543	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	481307	104.809	ug/l	95
51) Ethyl methacrylate	9.18	69	704258	106.981	ug/l	98
52) 1,3-Dichloropropane	9.37	76	771344	104.711	ug/l	100
53) Dibromochloromethane	9.58	129	531526	114.279	ug/l	99
54) 1,2-Dibromoethane	9.67	107	526980	106.822	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	1824951	515.855	ug/l	100
56) Bromoform	10.86	173	409876	115.877	ug/l	98
58) 4-Methyl-2-Pentanone	8.65	43	3334807	525.947	ug/l	100
59) 2-Hexanone	9.49	43	2542729	523.140	ug/l	100
61) Tetrachloroethene	9.33	164	520894	100.744	ug/l	98
62) Toluene	8.79	91	2012118	105.299	ug/l	99
64) Chlorobenzene	10.14	112	1283533	101.936	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	496803	110.744	ug/l	100
66) Ethyl Benzene	10.25	91	2170926	105.517	ug/l	99
67) m/p-Xylenes	10.36	106	1712699	211.386	ug/l	100
68) o-Xylene	10.70	106	830922	104.656	ug/l	98
69) Styrene	10.71	104	1356569	105.868	ug/l	99
70) Isopropylbenzene	11.02	105	2189283	104.354	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	692812	102.001	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	645547m	101.935	ug/l	
73) Bromobenzene	11.26	156	591738	101.940	ug/l	99
74) n-propylbenzene	11.36	91	2457253	104.401	ug/l	100
75) 2-Chlorotoluene	11.42	91	1429987	102.300	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	1791468	102.750	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	210302	113.448	ug/l	87
78) 4-Chlorotoluene	11.51	91	1666453	102.996	ug/l	99
79) tert-butylbenzene	12.07	119	1922926	102.131	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	1809041	102.476	ug/l	99
81) sec-Butylbenzene	11.94	105	2132086	101.691	ug/l	100
82) p-Isopropyltoluene	12.07	119	1922926	102.131	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	1041513	101.242	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	1049722	102.127	ug/l	99
85) n-Butylbenzene	12.39	91	1654054	102.863	ug/l	100
86) Hexachloroethane	12.60	117	340447	114.541	ug/l	95
87) 1,2-Dichlorobenzene	12.39	146	1036326	100.851	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.00	75	159734	115.080	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	720282	103.133	ug/l	100
90) Hexachlorobutadiene	13.79	225	325289	97.810	ug/l	98
91) Naphthalene	13.83	128	2293733	107.427	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	723283	104.325	ug/l	98

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ClientSampleId :
VSTDICC100

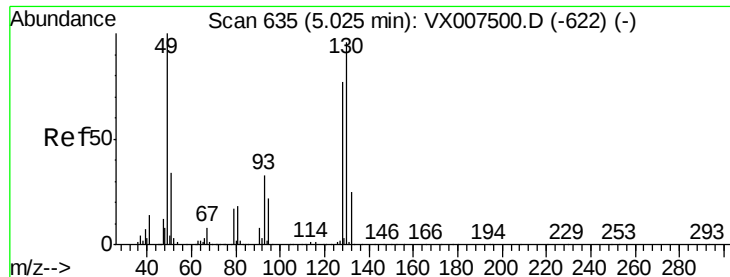
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 635

Delta R.T. -0.00 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Instrument :

MSVOA_X

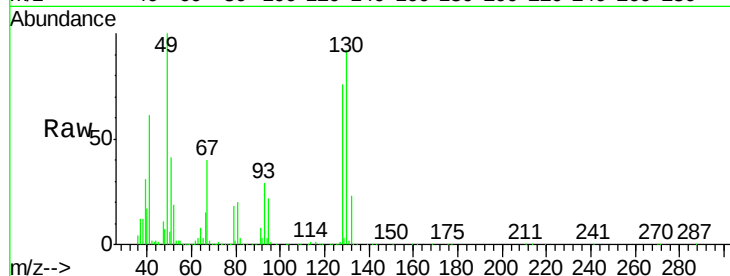
ClientSampleId :

VSTDIC100

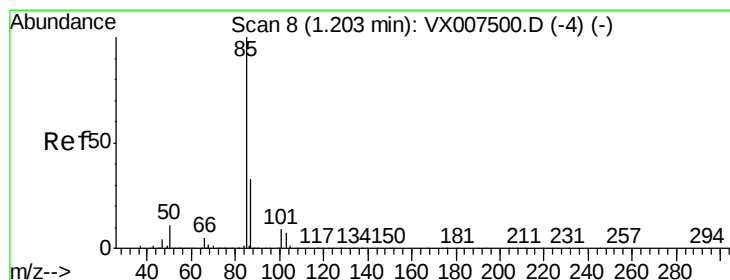
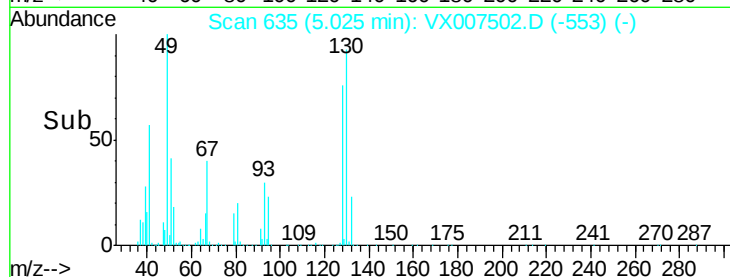
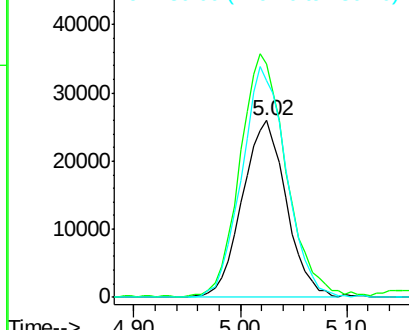
Tot Ion:	128	Resp:	75224
Ion	Ratio	Lower	Upper
128	100		
49	143.3	0.0	350.8
130	132.7	0.0	325.8

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VX0
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 110.552 ug/l

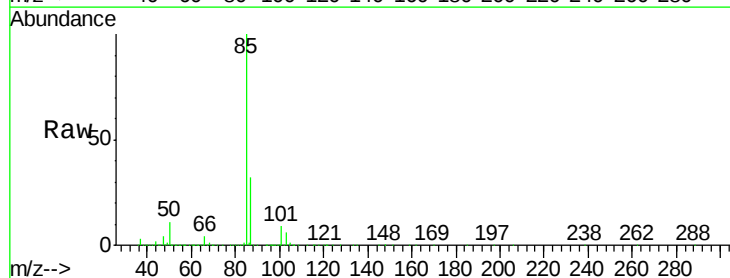
RT: 1.20 min Scan# 7

Delta R.T. -0.01 min

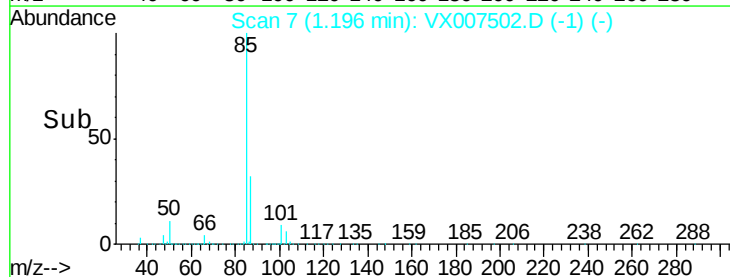
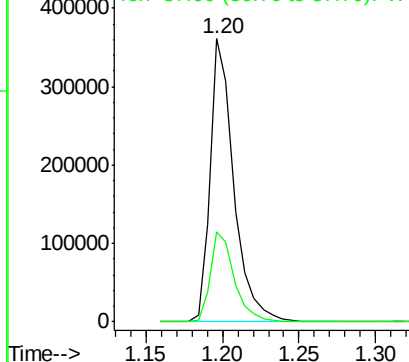
Lab File: VX007502.D

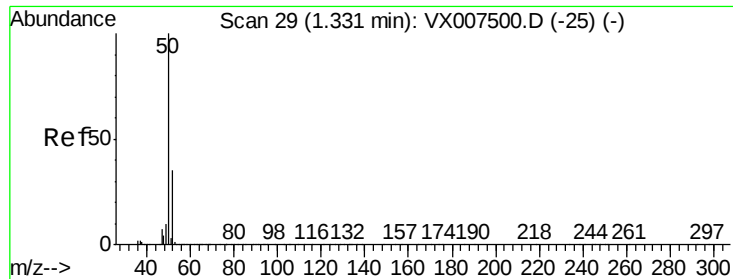
Acq: 12 Feb 2019 23:55

Tgt Ion:	85	Resp:	389602
Ion	Ratio	Lower	Upper
85	100		
87	31.7	16.6	49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0
Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 108.728 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 423878

Ion Ratio Lower Upper

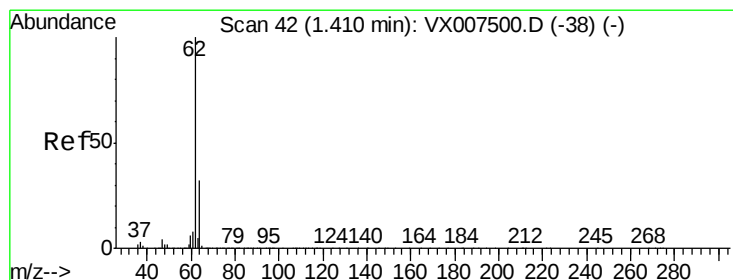
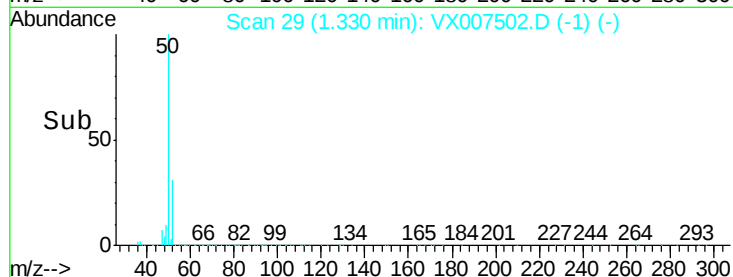
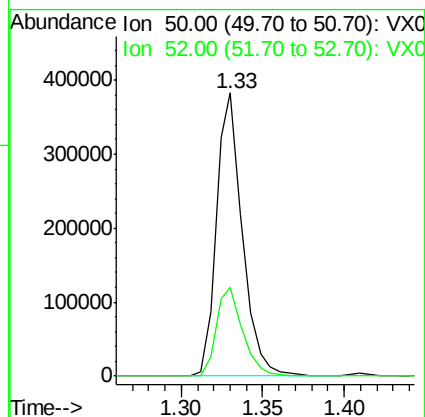
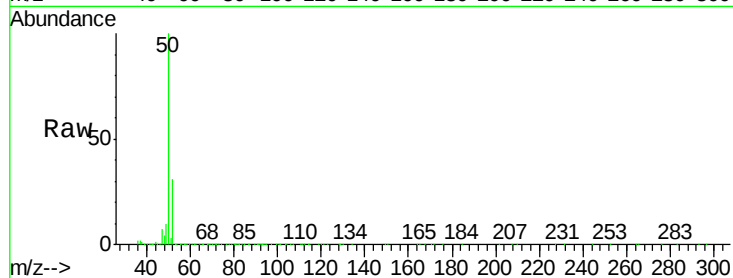
50 100

52 31.4 27.5 41.3

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#4

Vinyl Chloride

Concen: 109.205 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007502.D

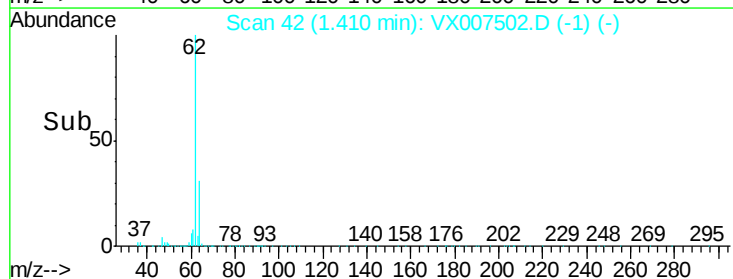
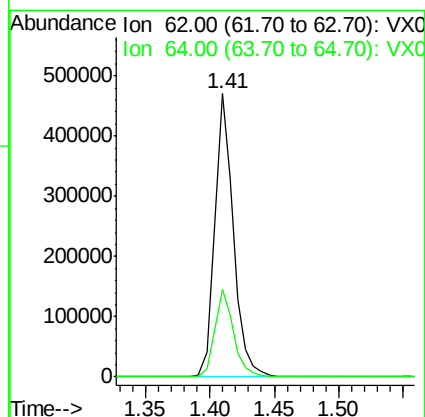
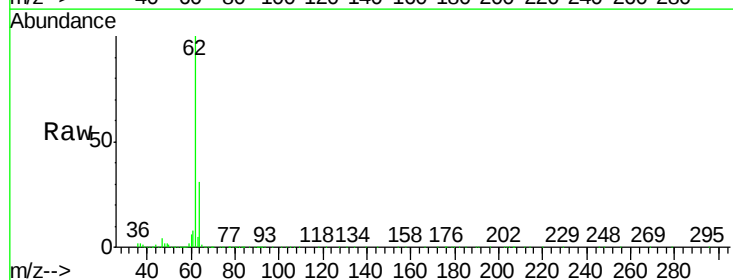
Acq: 12 Feb 2019 23:55

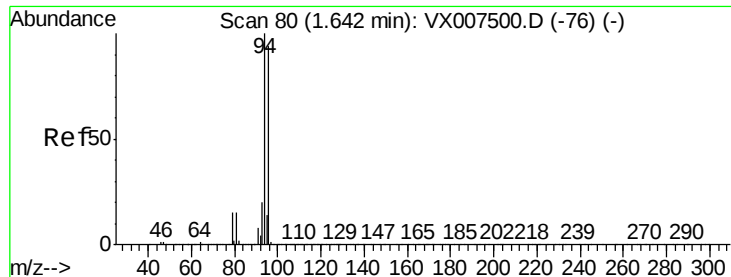
Tgt Ion: 62 Resp: 479407

Ion Ratio Lower Upper

62 100

64 31.1 25.9 38.9





#5

Bromomethane

Concen: 101.355 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 441125

Ion Ratio Lower Upper

94 100

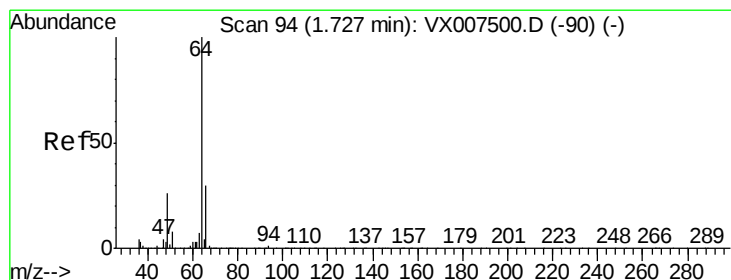
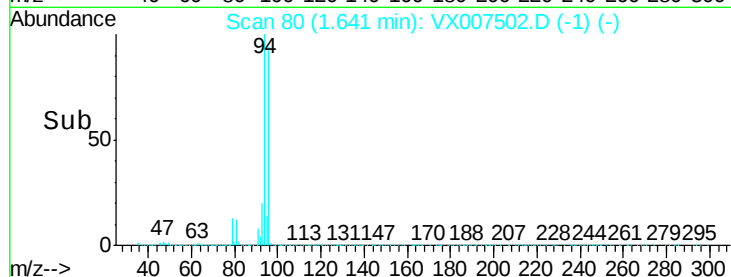
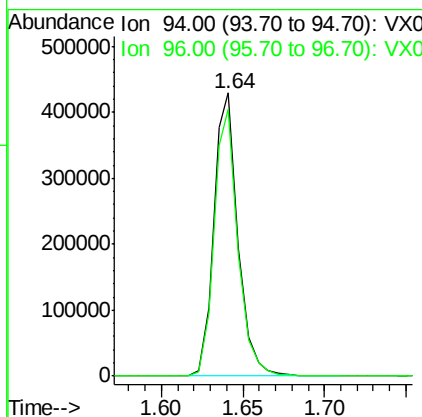
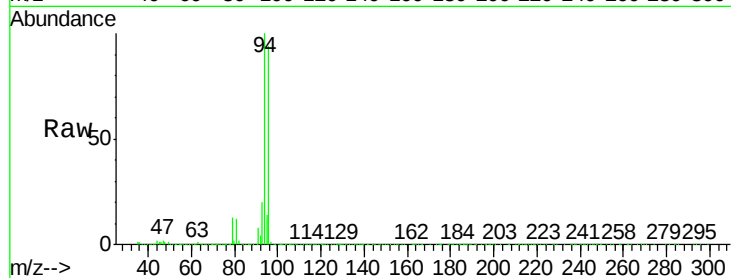
96 94.3 75.6 113.4

Manual Integrations

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#6

Chloroethane

Concen: 103.317 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX007502.D

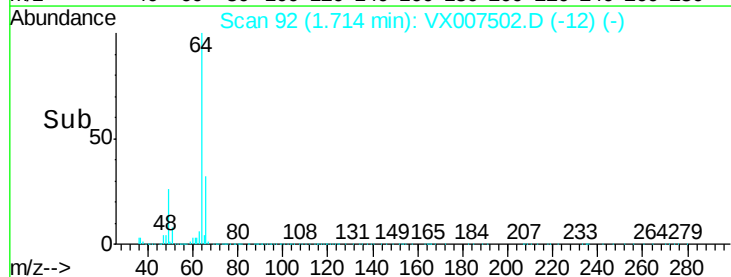
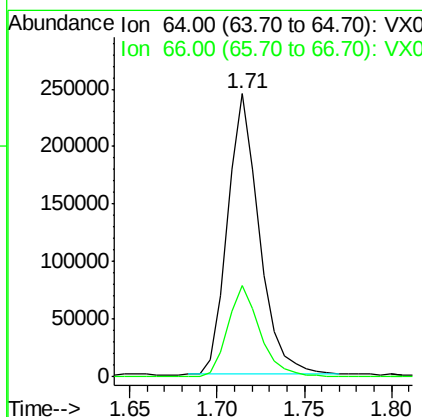
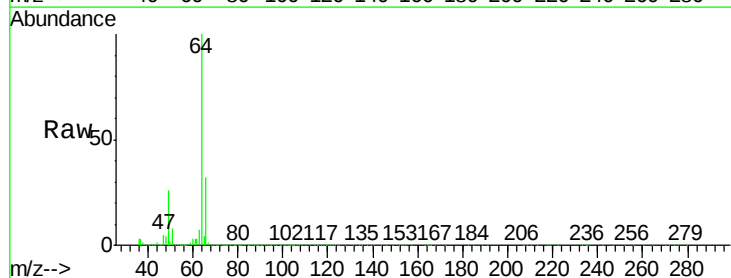
Acq: 12 Feb 2019 23:55

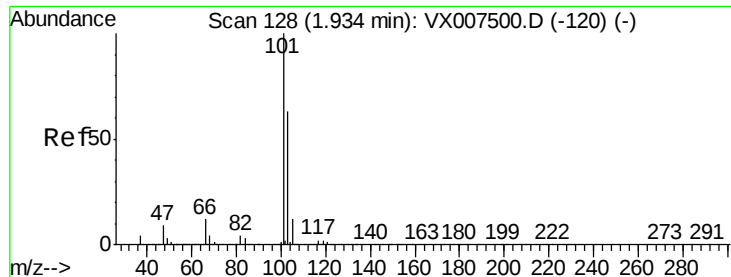
Tgt Ion: 64 Resp: 305299

Ion Ratio Lower Upper

64 100

66 32.6 23.9 35.9





#7

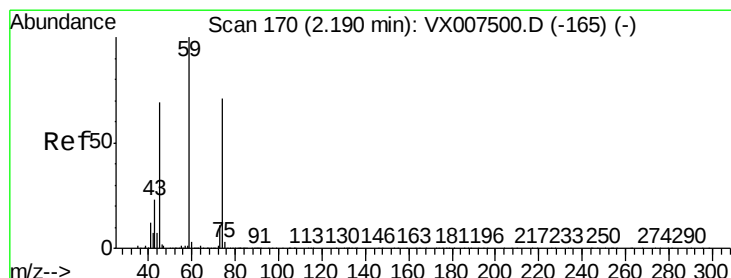
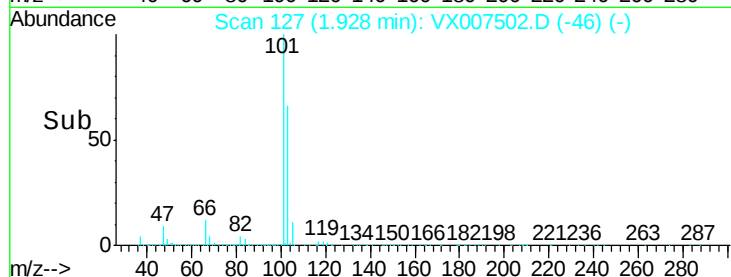
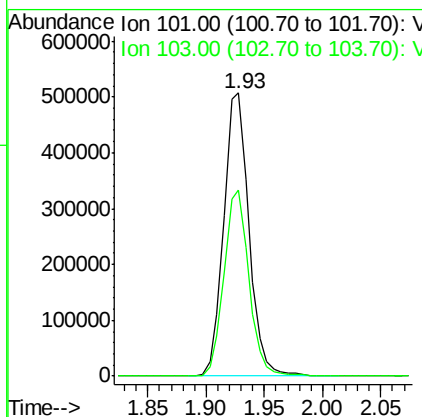
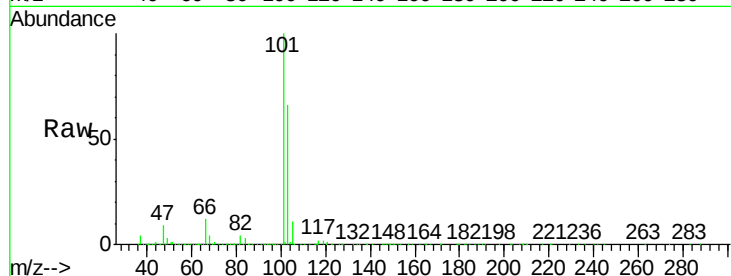
Trichlorofluoromethane
Concen: 104.058 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.01 min
Lab File: VX007502.D
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VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	50.4	75.6

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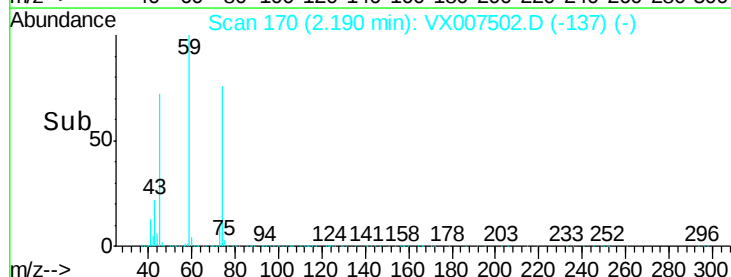
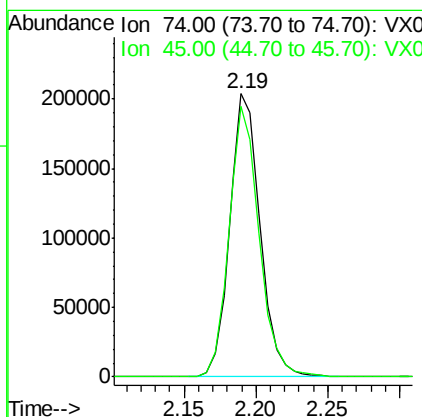
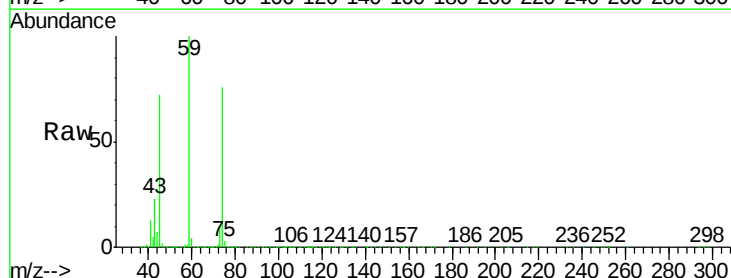
MMDadoda
2/13/2019 11:52:49 AM

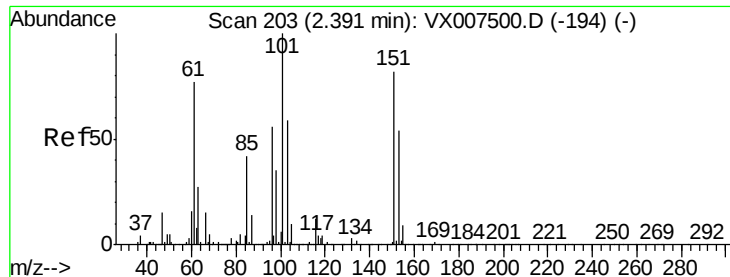


#8

Diethyl Ether
Concen: 107.910 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007502.D
Acq: 12 Feb 2019 23:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.6	18.6	167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.501 ug/l

RT: 2.38 min Scan# 202

Delta R.T. -0.01 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Instrument :

MSVOA_X

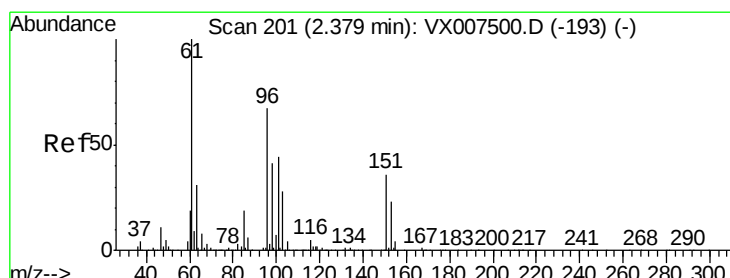
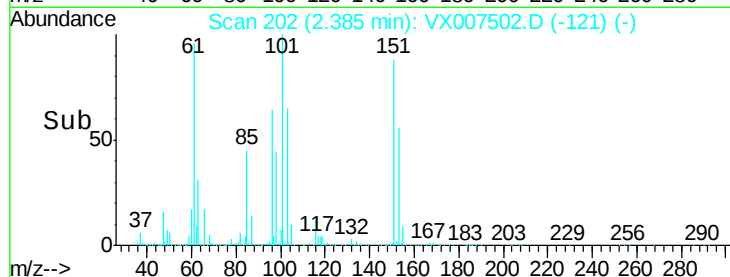
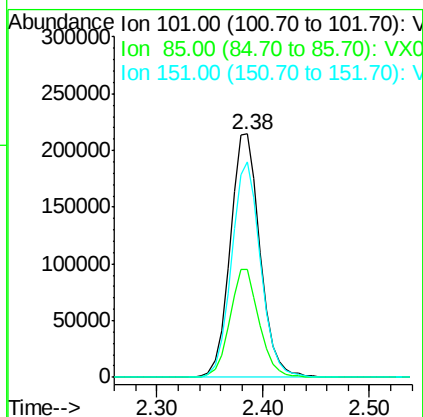
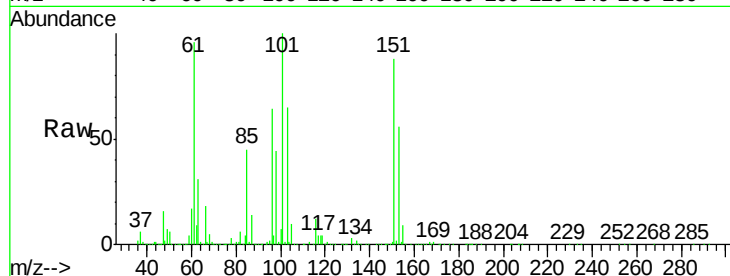
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	422574
Ion Ratio	Lower	Upper	
101	100		
85	43.2	0.0	86.8
151	86.4	0.0	169.2

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 107.990 ug/l

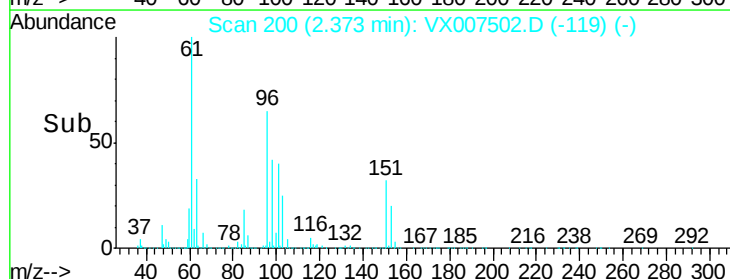
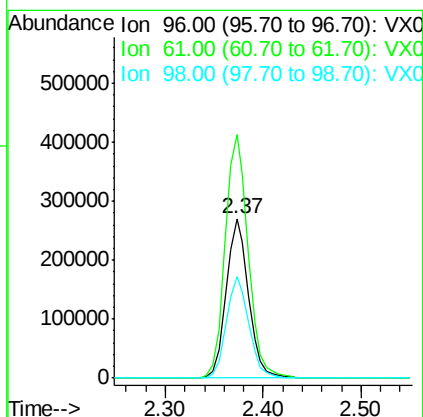
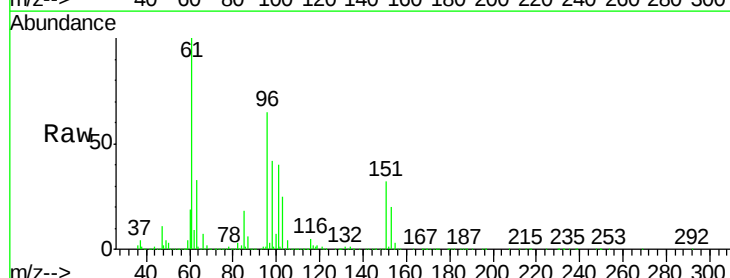
RT: 2.37 min Scan# 200

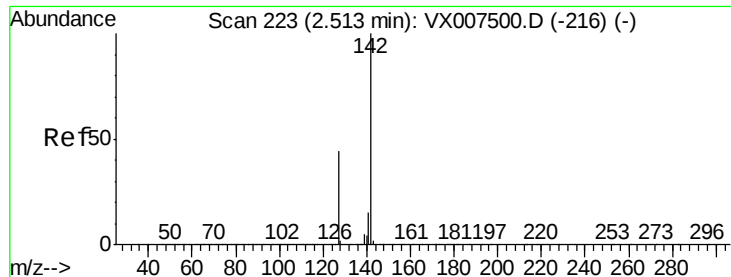
Delta R.T. -0.01 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Tgt Ion:	96	Resp:	427714
Ion Ratio	Lower	Upper	
96	100		
61	152.9	120.2	180.2
98	63.6	49.0	73.4





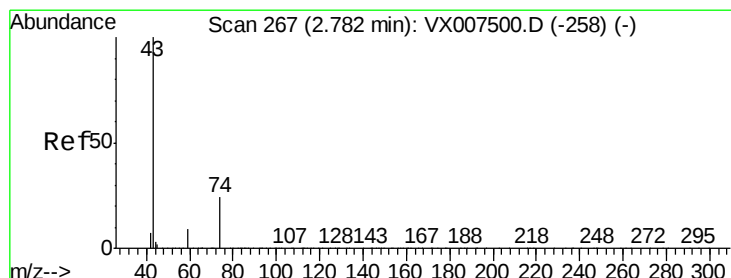
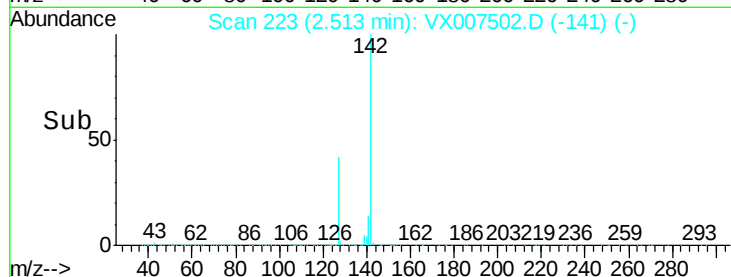
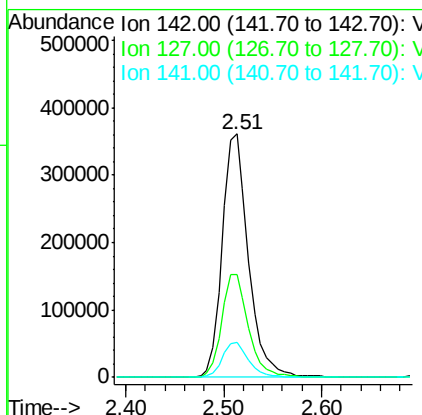
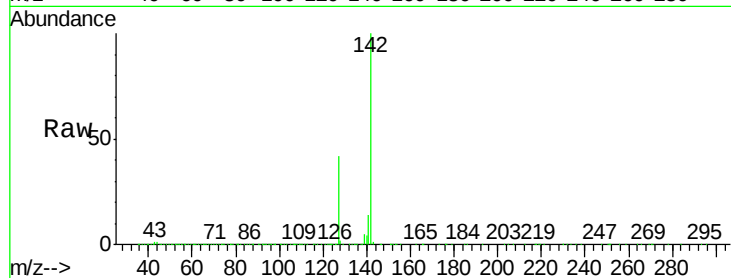
#11
Methyl Iodide
Concen: 107.772 ug/l
RT: 2.51 min Scan# 223
Delta R.T. -0.00 min
Lab File: VX007502.D
Acq: 12 Feb 2019 23:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.4	22.1	66.5
141	14.1	7.4	22.3

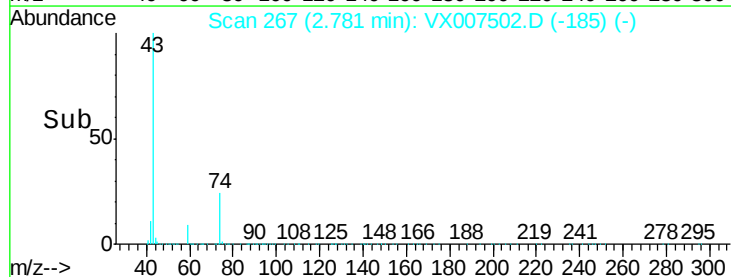
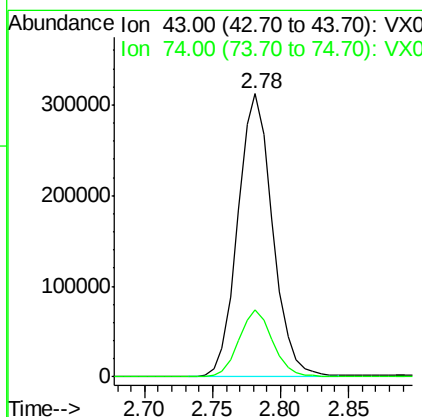
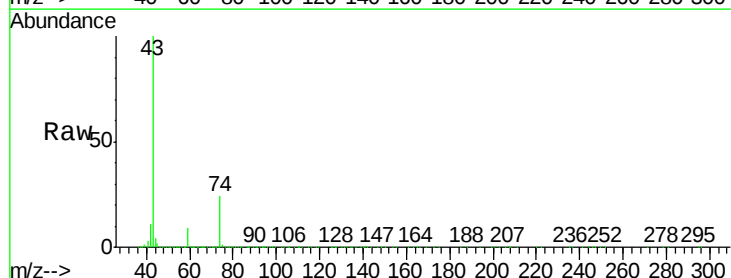
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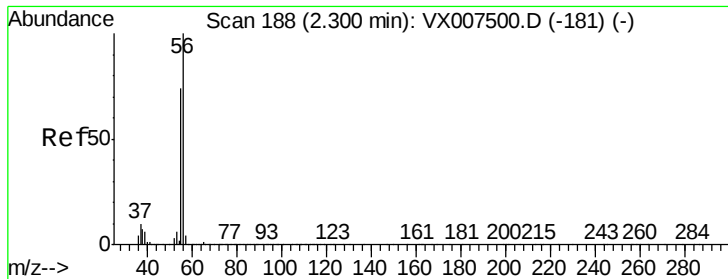
MMDadoda
2/13/2019 11:52:49 AM



#12
Methyl Acetate
Concen: 86.399 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007502.D
Acq: 12 Feb 2019 23:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.4	29.0





#13

Acrolein

Concen: 904.739 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 523432

Ion Ratio Lower Upper

56 100

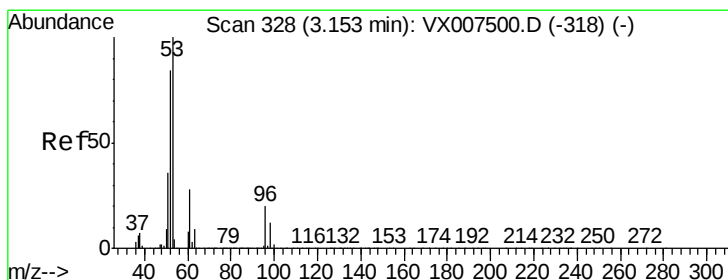
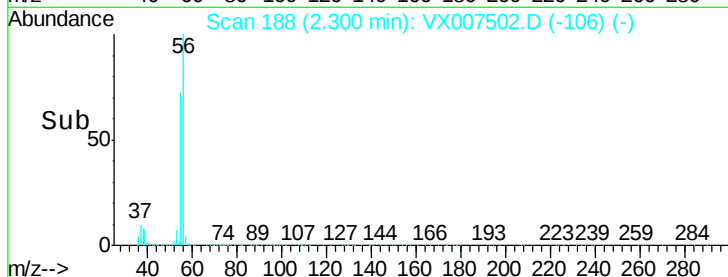
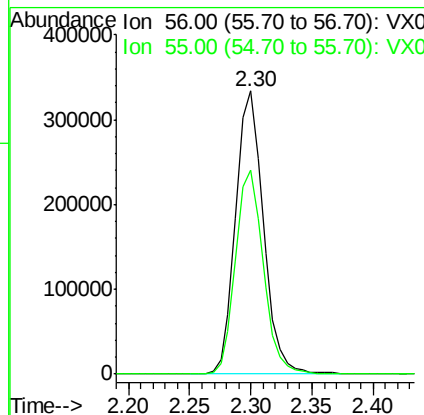
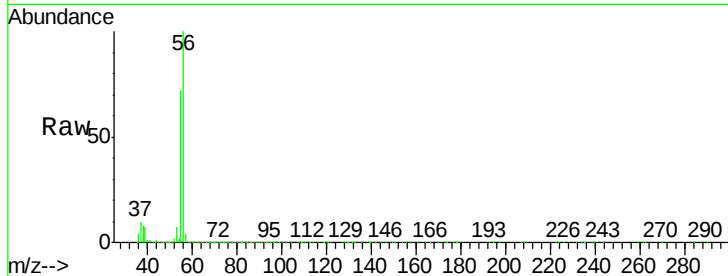
55 72.1 58.6 87.8

Manual Integrations

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#14

Acrylonitrile

Concen: 532.318 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

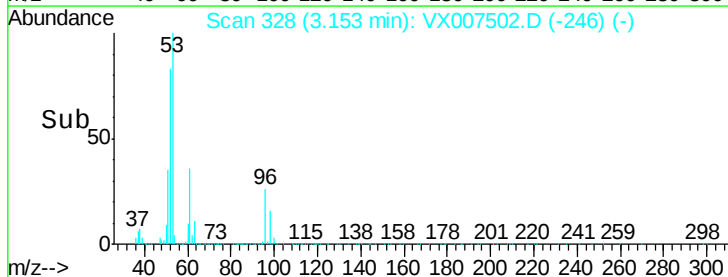
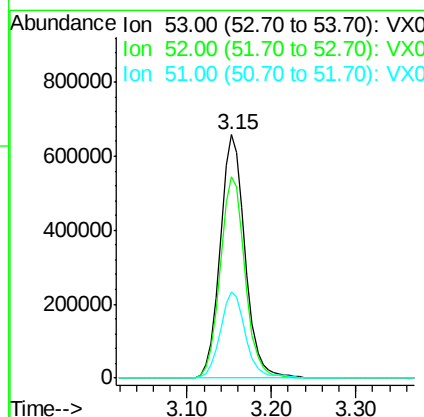
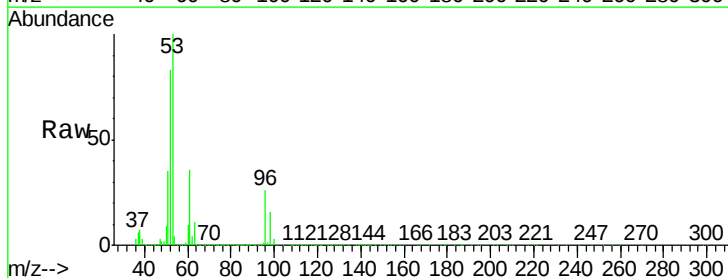
Tgt Ion: 53 Resp: 1335582

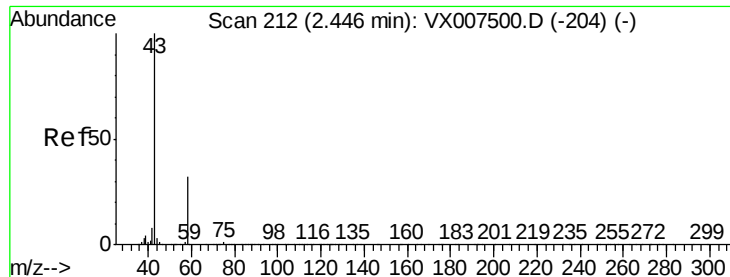
Ion Ratio Lower Upper

53 100

52 82.9 41.3 124.1

51 36.2 17.5 52.6





#15

Acetone

Concen: 509.813 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 58 Resp: 359047

Ion Ratio Lower Upper

58 100

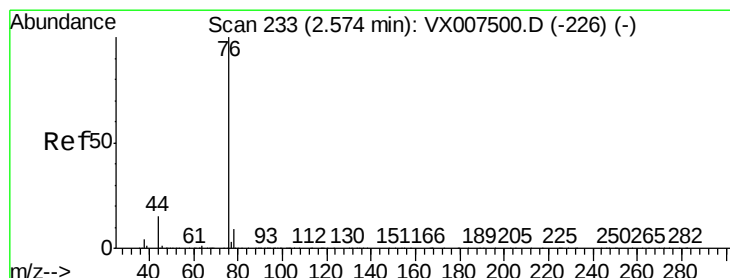
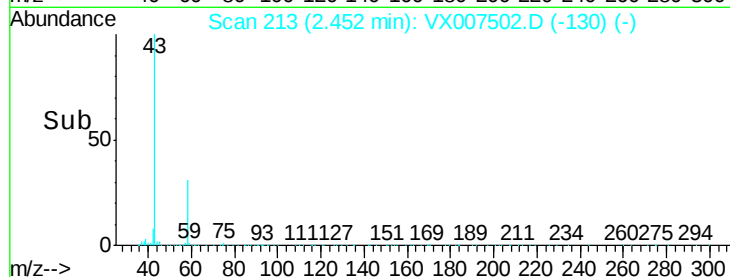
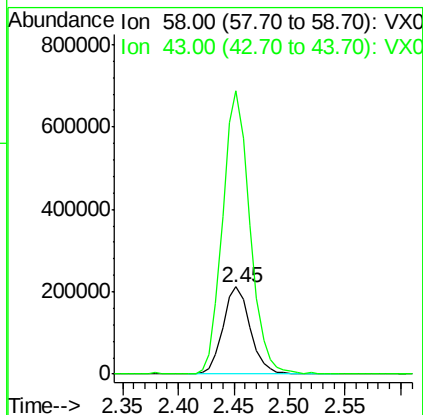
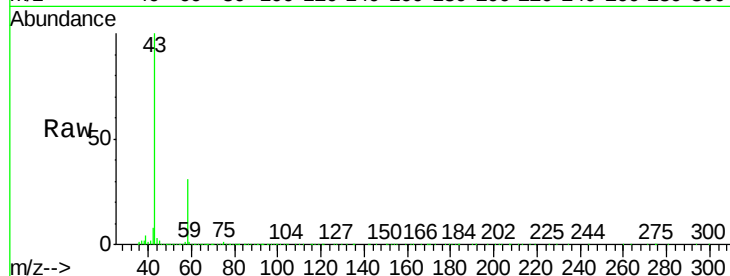
43 324.1 249.8 374.6

Manual Integrations

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#16

Carbon Disulfide

Concen: 120.426 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX007502.D

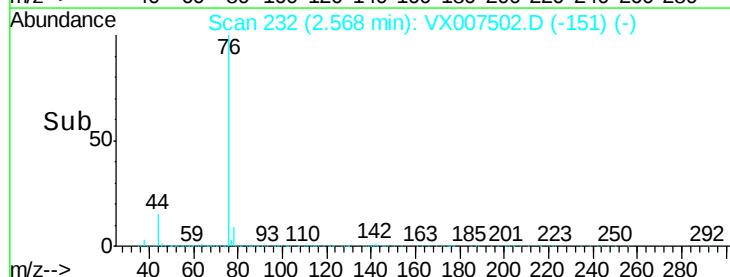
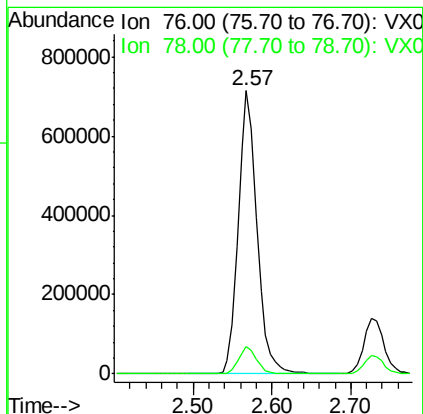
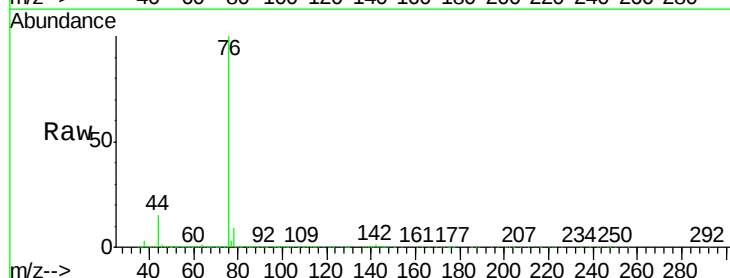
Acq: 12 Feb 2019 23:55

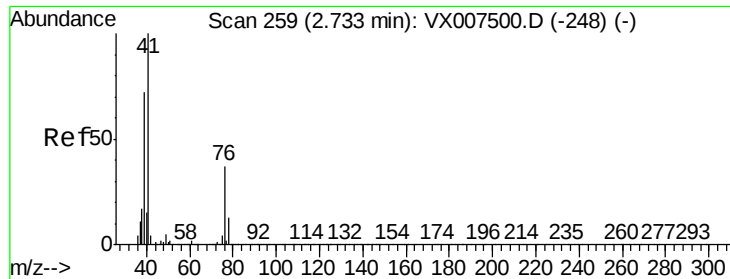
Tgt Ion: 76 Resp: 1179472

Ion Ratio Lower Upper

76 100

78 9.5 7.5 11.3





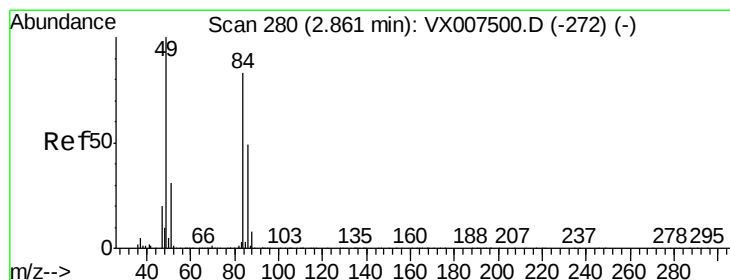
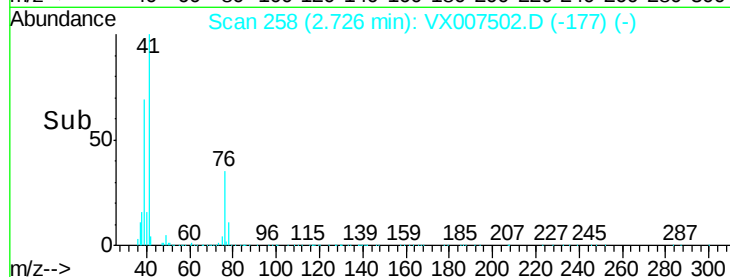
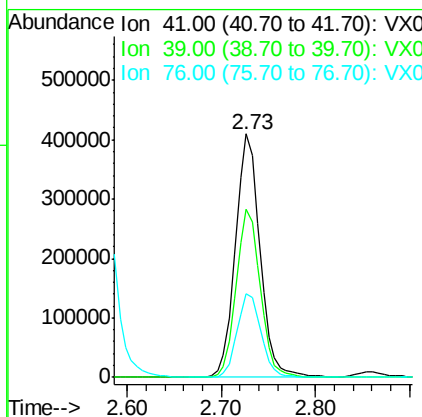
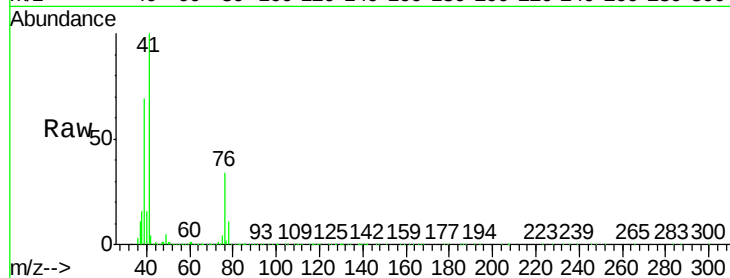
#17
Allvl chloride
Concen: 109.334 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.01 min
Lab File: VX007502.D
Acq: 12 Feb 2019 23:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp Lower	Upper
41	100		
39	69.0	35.8	107.4
76	34.4	18.3	54.9

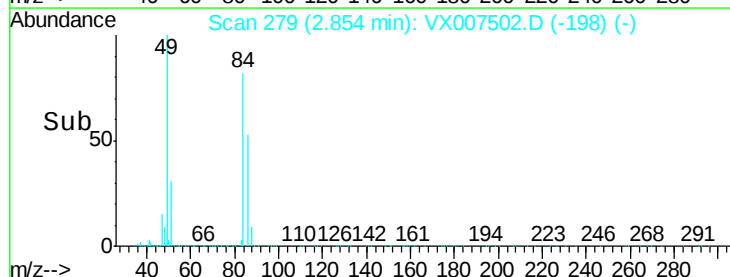
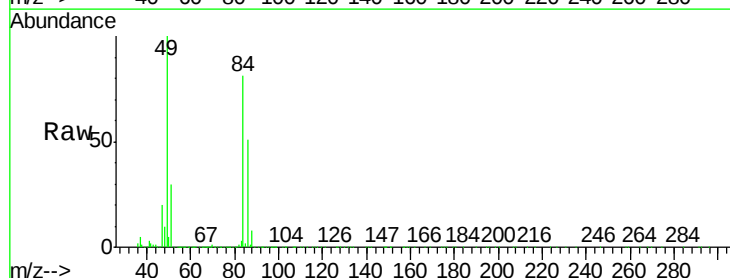
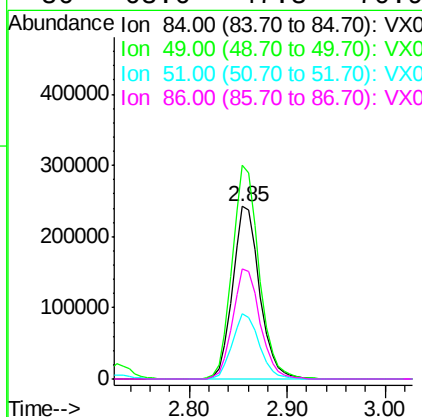
Manual Integrations
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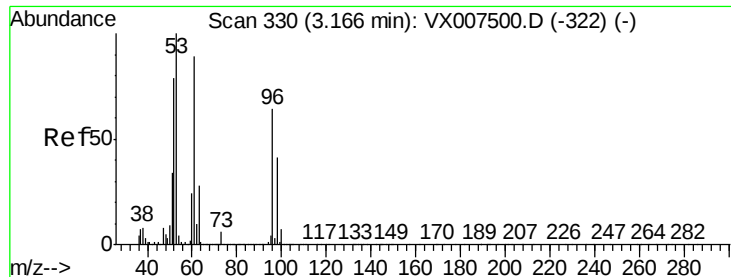
MMDadoda
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#18
Methylene Chloride
Concen: 102.637 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007502.D
Acq: 12 Feb 2019 23:55

Tgt Ion	Ratio	Resp Lower	Upper
84	100		
49	123.9	96.1	144.1
51	37.6	29.1	43.7
86	63.6	47.3	70.9





#19

trans-1,2-Dichloroethene

Concen: 106.992 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Instrument :

MSVOA_X

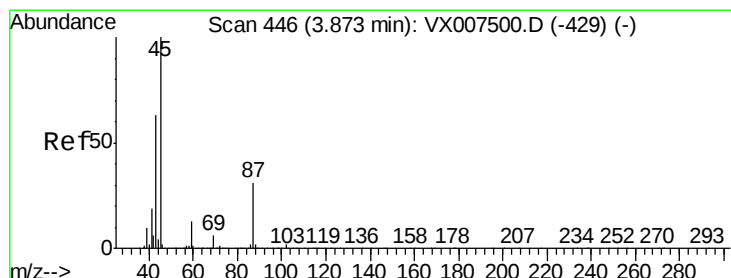
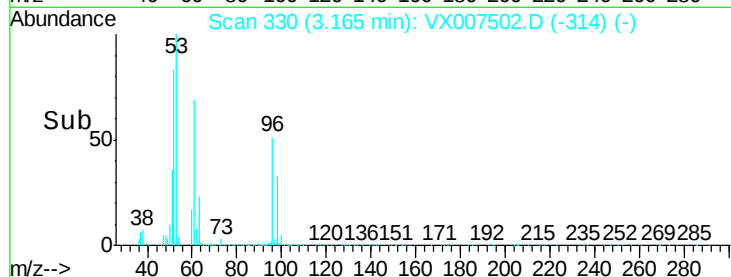
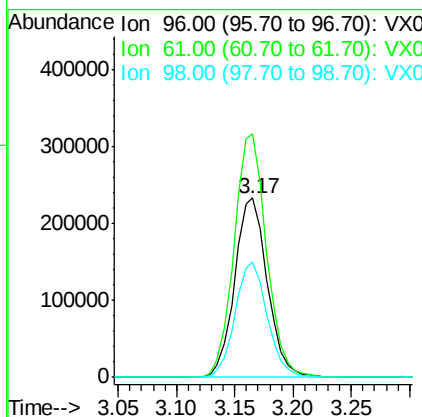
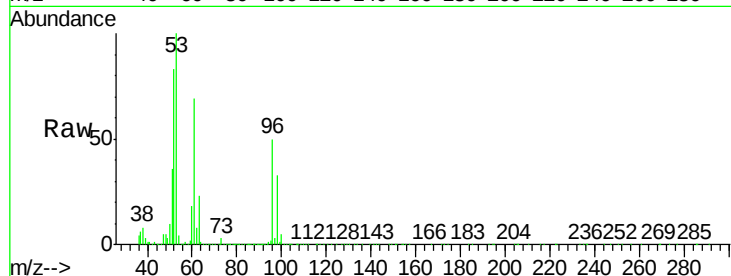
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	456761
Ion Ratio	Lower	Upper	
96	100		
61	135.6	109.9	164.9
98	64.7	50.4	75.6

Manual Integrations
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#20

Diisopropyl ether

Concen: 108.682 ug/l

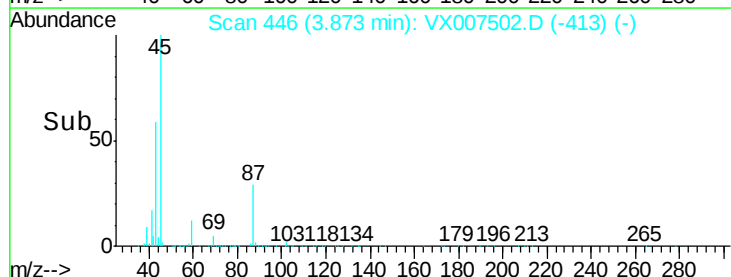
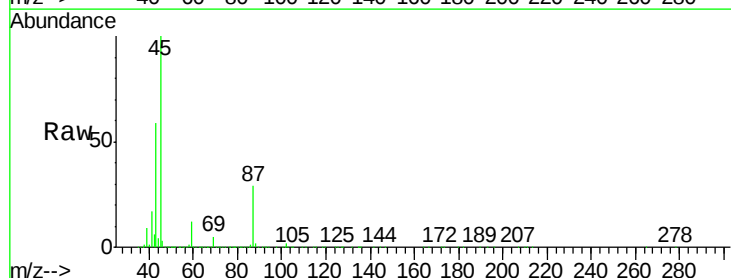
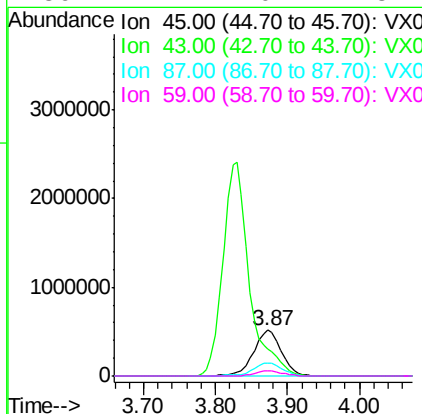
RT: 3.87 min Scan# 446

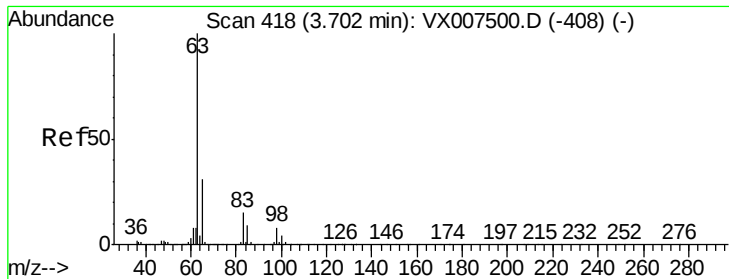
Delta R.T. -0.00 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Tgt Ion:	45	Resp:	1387154
Ion Ratio	Lower	Upper	
45	100		
43	59.1	50.6	76.0
87	29.3	24.5	36.7
59	11.7	10.2	15.2





#21

1,1-Dichloroethane

Concen: 105.107 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.01 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Instrument :

MSVOA_X

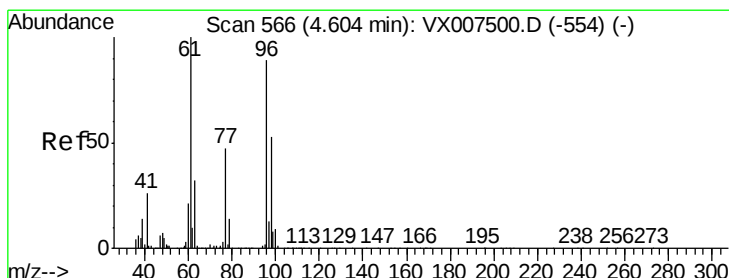
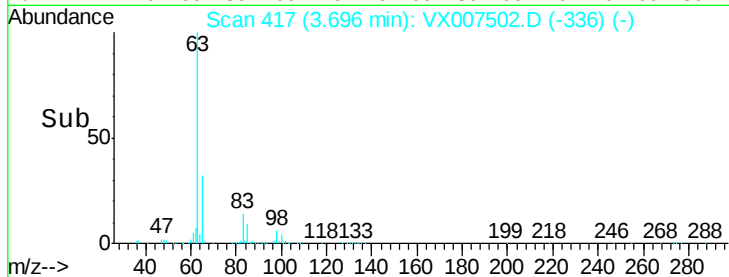
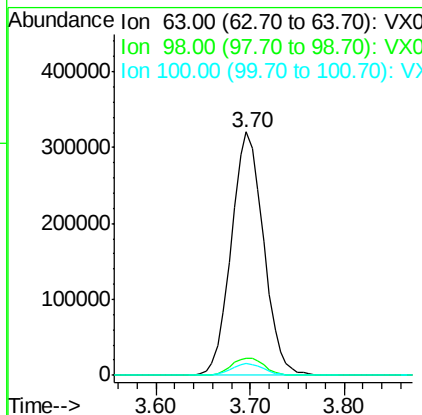
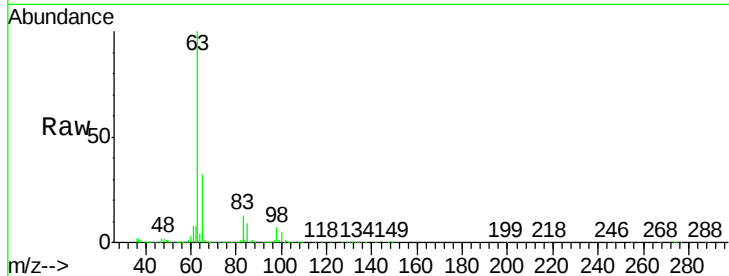
ClientSampleId :

VSTDIC100

Tot Ion:	63	Resp:	761989
Ion Ratio		Lower	Upper
63	100		
98	7.2	3.8	11.4
100	4.6	2.4	7.1

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#22

cis-1,2-Dichloroethene

Concen: 107.427 ug/l

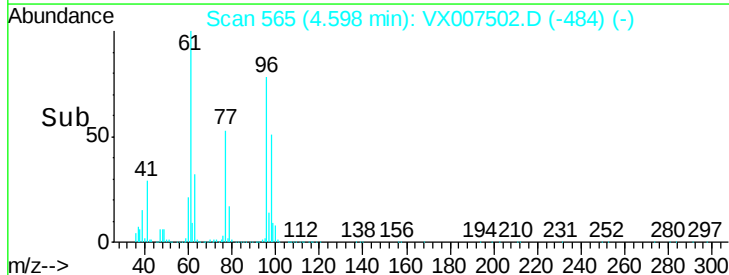
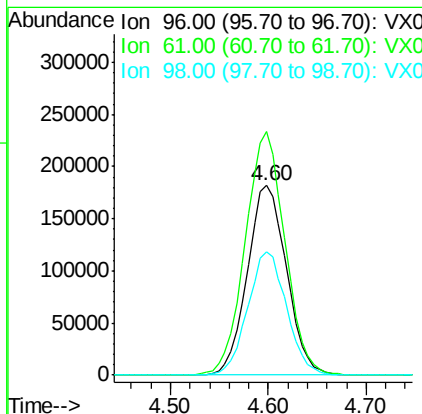
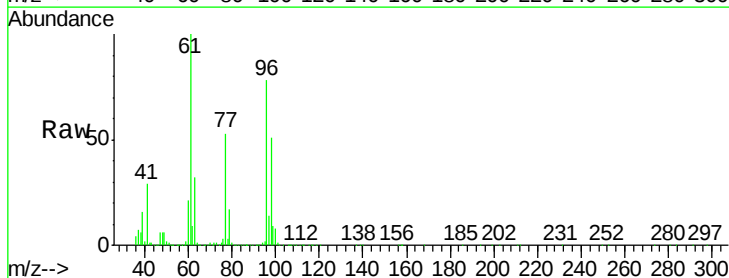
RT: 4.60 min Scan# 565

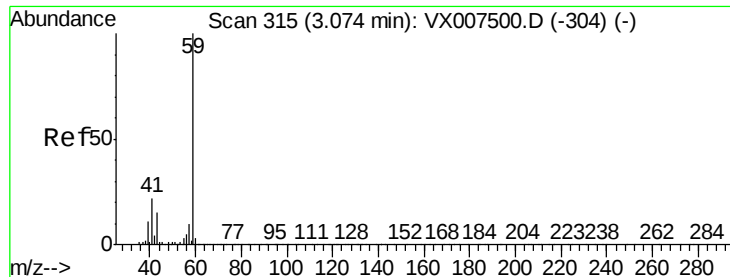
Delta R.T. -0.01 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Tgt Ion:	96	Resp:	506754
Ion Ratio		Lower	Upper
96	100		
61	129.8	103.5	155.3
98	64.2	52.1	78.1





#23

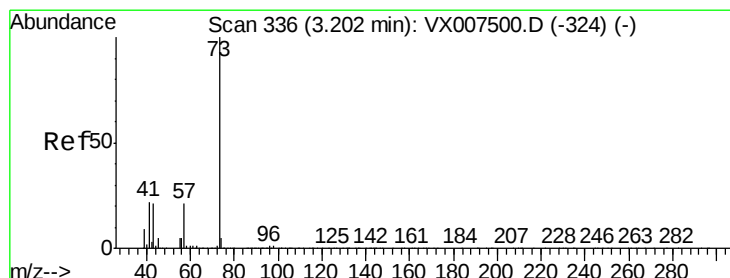
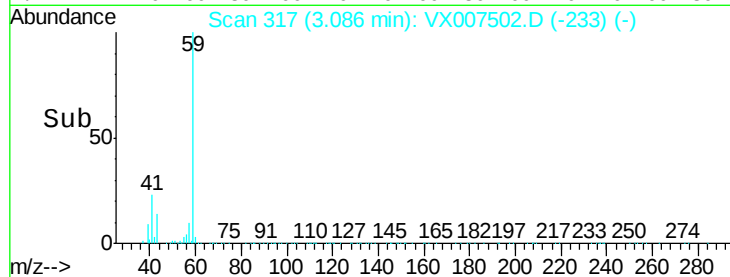
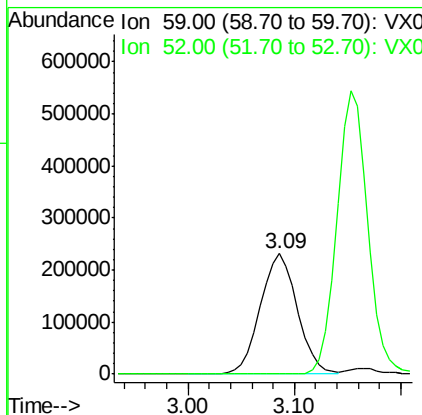
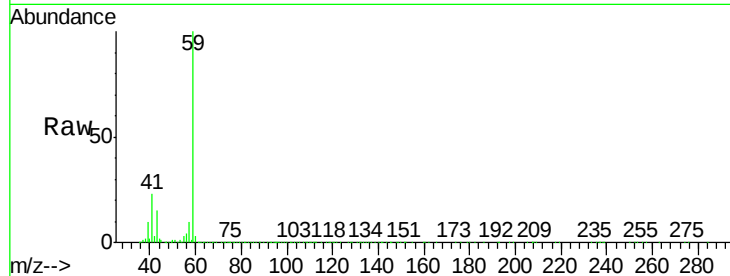
tert-Butyl Alcohol
 Concen: 535.891 ug/l
 RT: 3.09 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VX007502.D
 Acq: 12 Feb 2019 23:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.2	0.2

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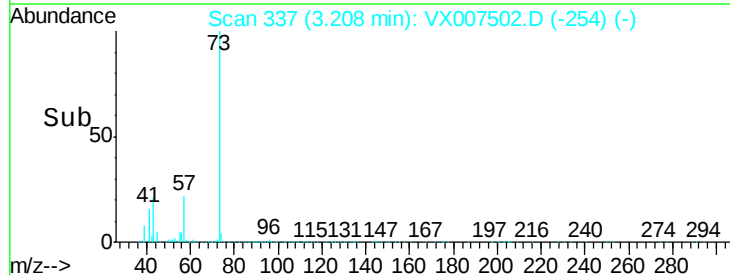
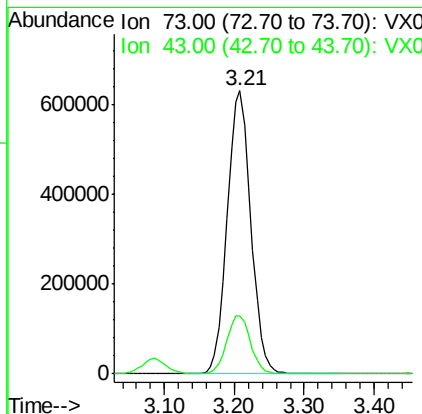
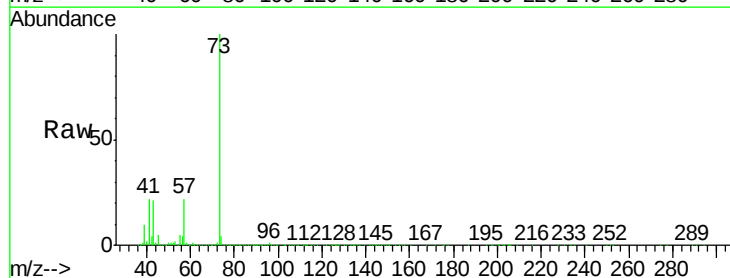
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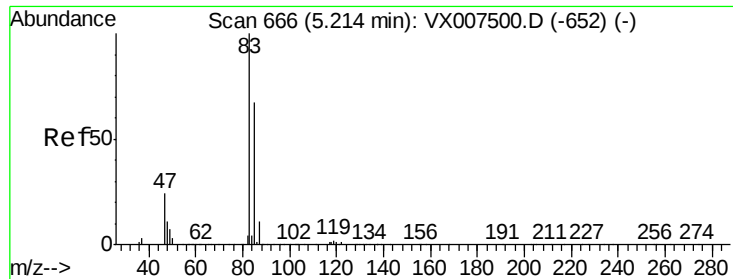


#24

Methyl tert-Butyl Ether
 Concen: 106.921 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX007502.D
 Acq: 12 Feb 2019 23:55

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.9	17.1	25.7





#25

Chloroform

Concen: 107.420 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 808633

Ion Ratio Lower Upper

83 100

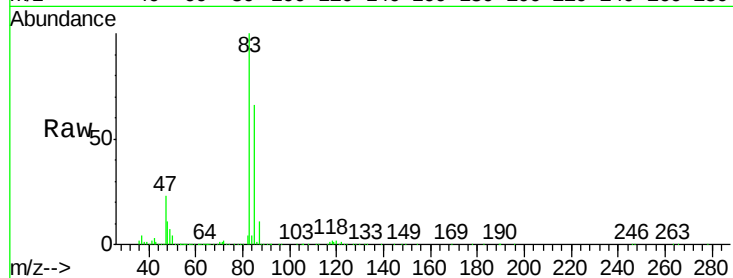
85 65.5 53.8 80.6

Manual Integrations

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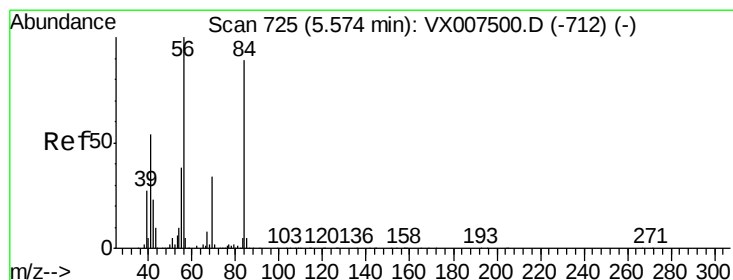
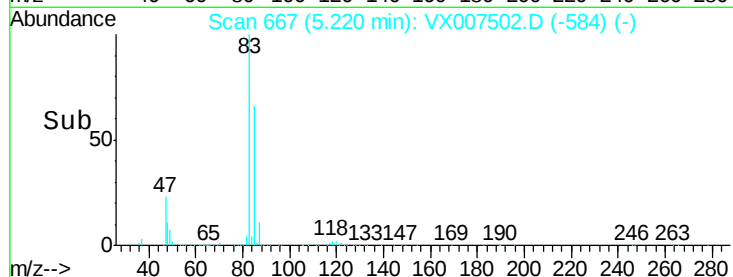
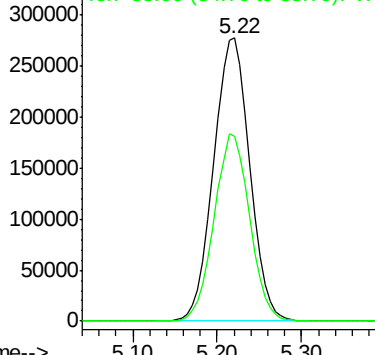
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 107.558 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

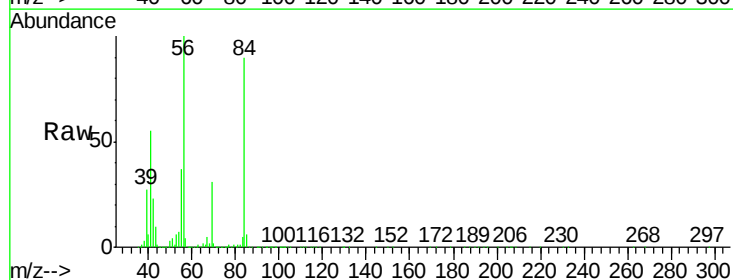
Tgt Ion: 56 Resp: 661516

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0#

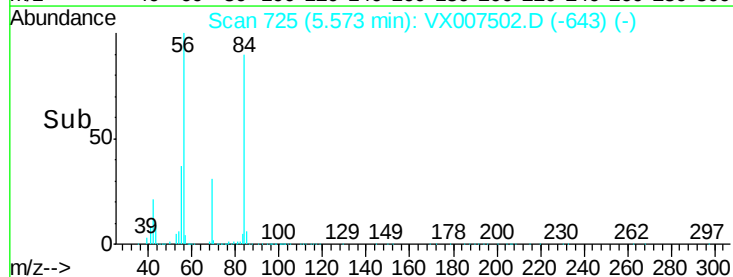
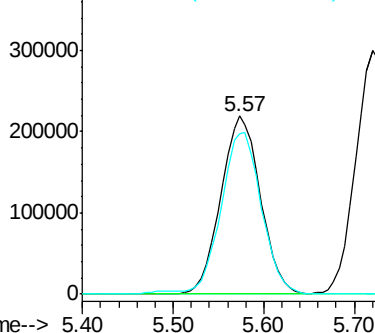
84 92.3 73.9 110.9

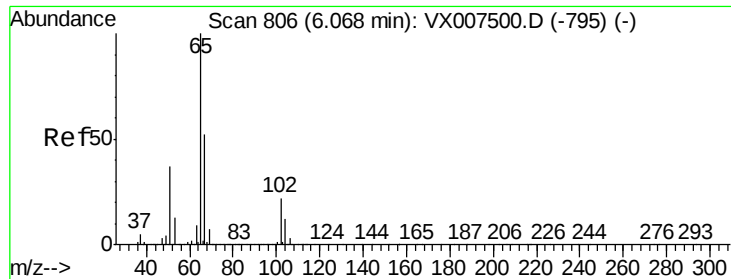


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





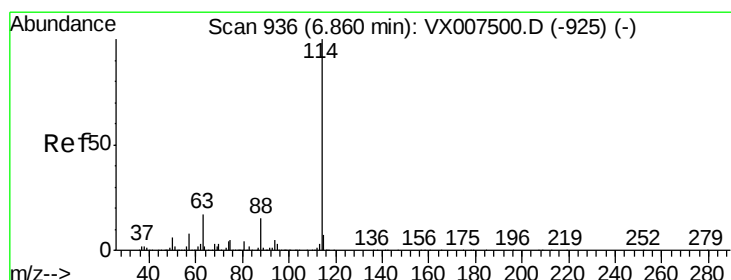
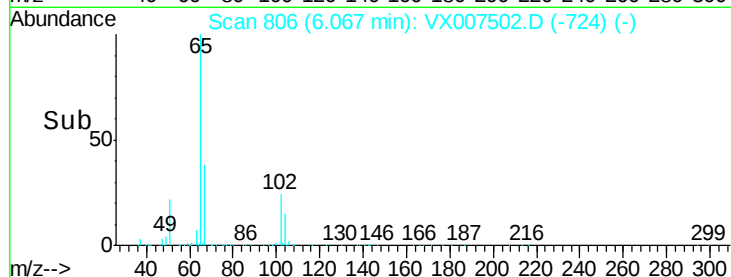
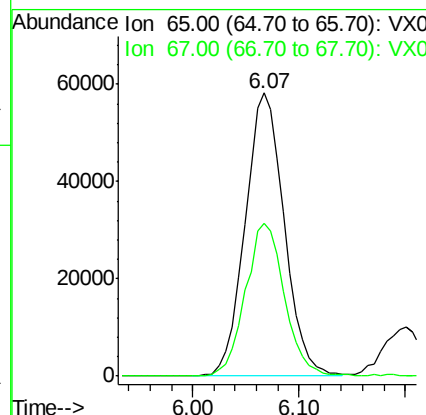
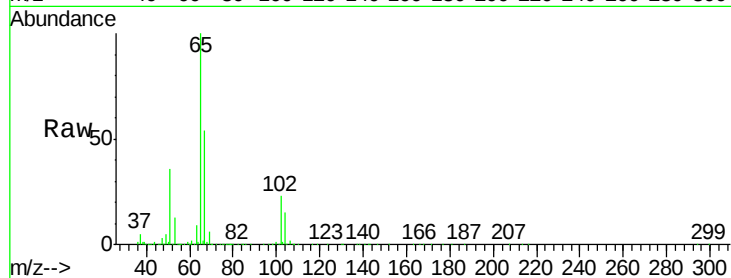
#27
 1,2-Dichloroethane-d4
 Concen: 30.347 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007502.D
 Acq: 12 Feb 2019 23:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	42.9	64.3

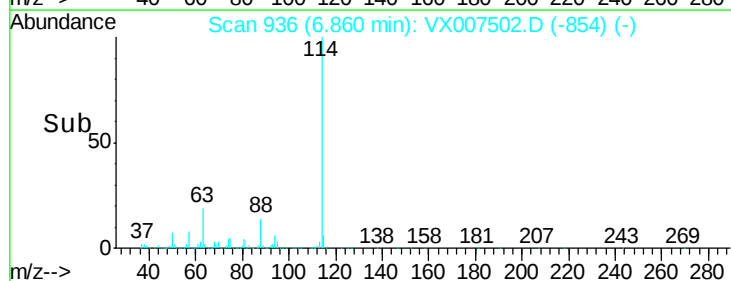
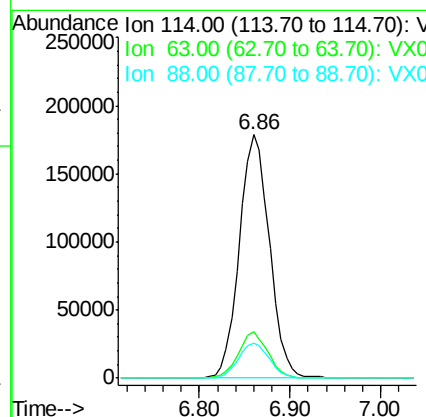
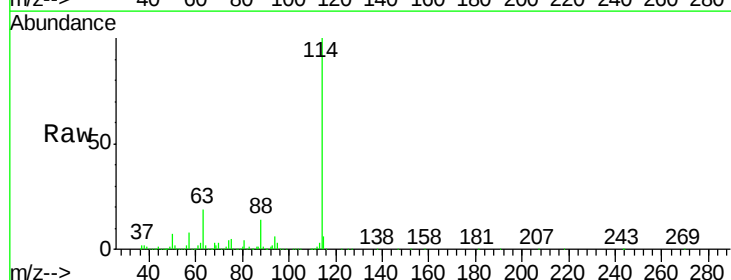
Manual Integrations
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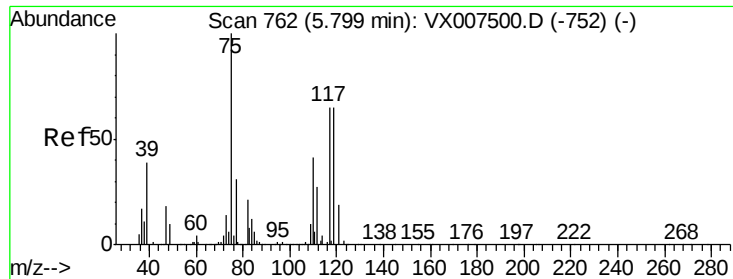
MMDadoda
 2/13/2019 11:52:49 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007502.D
 Acq: 12 Feb 2019 23:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.7	14.2	21.4
88	14.8	11.9	17.9





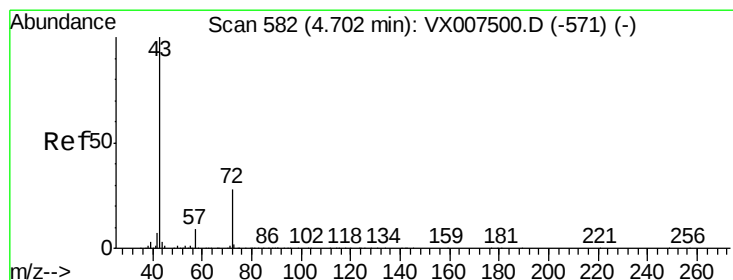
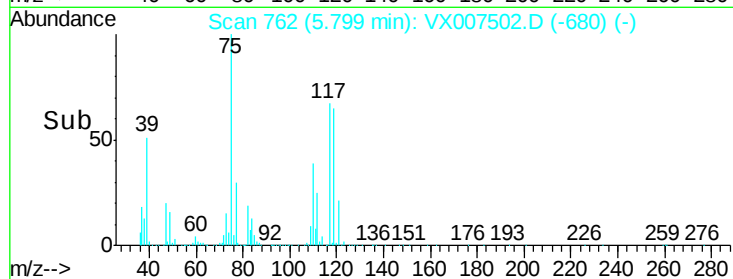
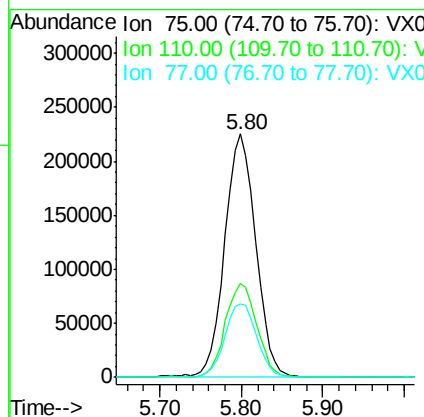
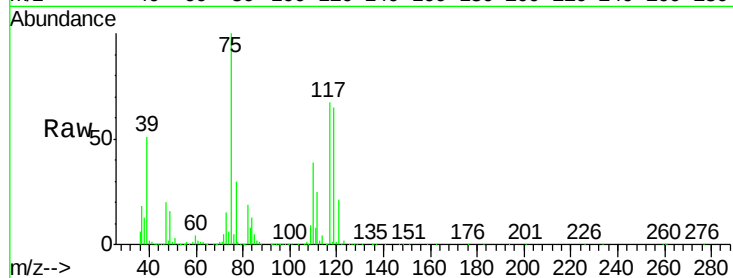
#29
 1,1-Dichloropropene
 Concen: 107.686 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX007502.D
 Acq: 12 Feb 2019 23:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	75	Resp:	590601
Ion Ratio	Lower	Upper	
75	100		
110	39.4	0.0	80.8
77	31.2	0.0	62.4

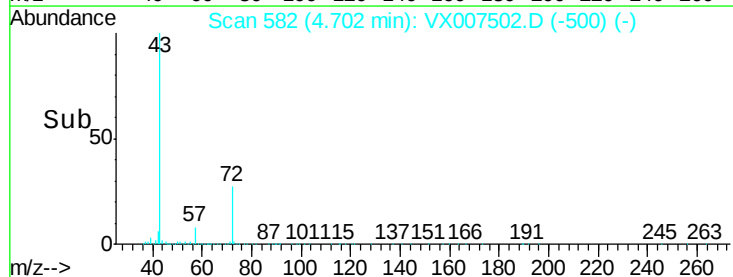
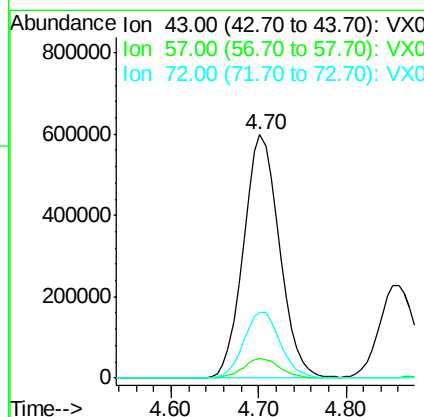
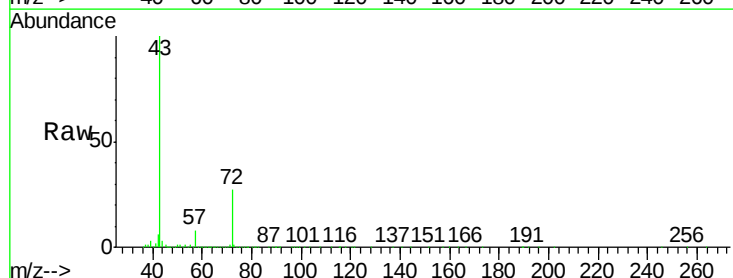
Manual Integrations
 APPROVED

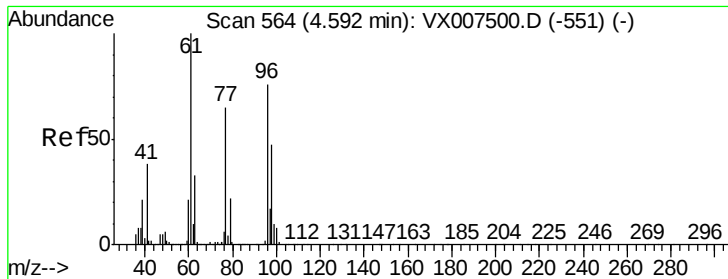
MMDadoda
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#30
 2-Butanone
 Concen: 524.319 ug/l
 RT: 4.70 min Scan# 582
 Delta R.T. -0.00 min
 Lab File: VX007502.D
 Acq: 12 Feb 2019 23:55

Tgt Ion:	43	Resp:	1707198
Ion Ratio	Lower	Upper	
43	100		
57	8.3	7.0	10.6
72	27.5	21.5	32.3





#31

2,2-Dichloropropane

Concen: 89.730 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.01 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 77 Resp: 479084

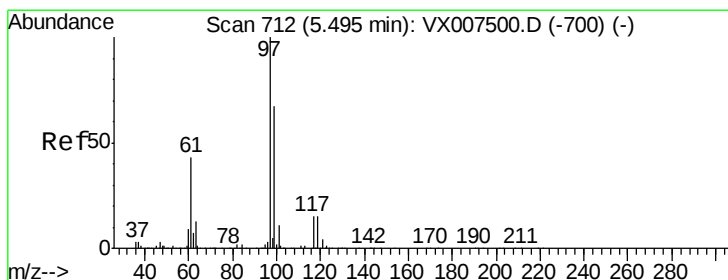
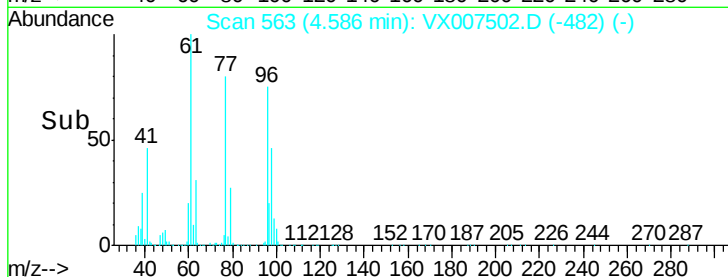
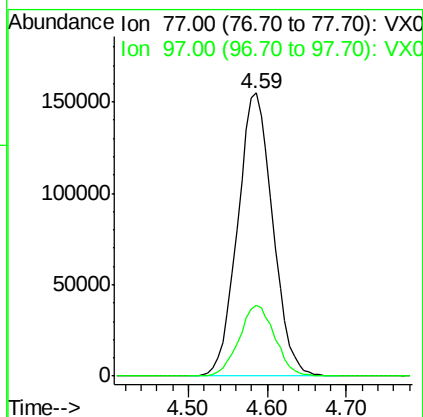
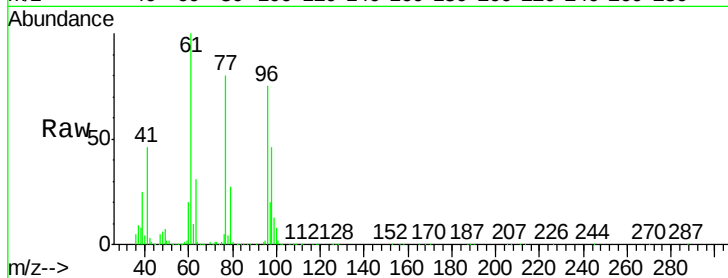
Ion Ratio Lower Upper

77 100

97 25.2 20.6 31.0

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 109.006 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

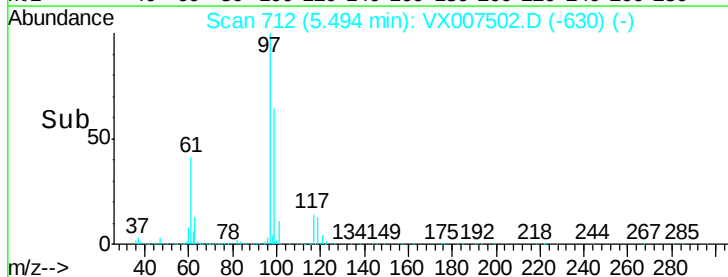
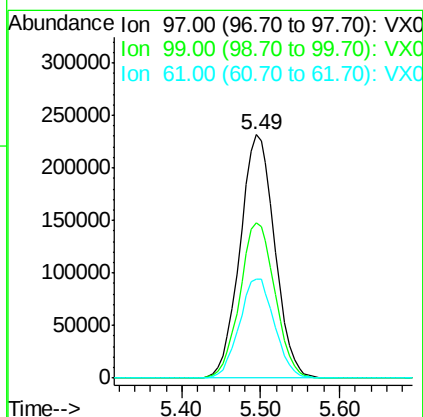
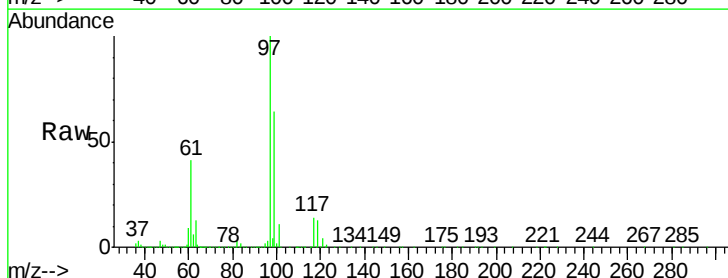
Tgt Ion: 97 Resp: 710195

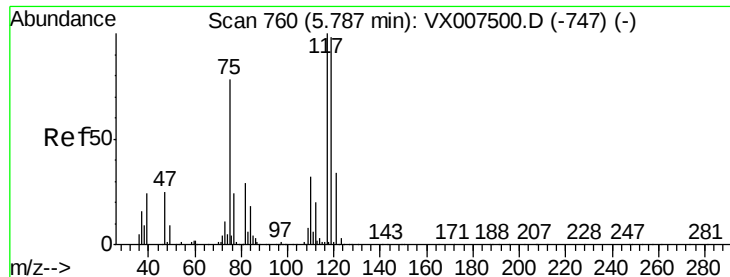
Ion Ratio Lower Upper

97 100

99 63.9 51.7 77.5

61 41.0 32.8 49.2





#33

Carbon Tetrachloride

Concen: 111.291 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Instrument :

MSVOA_X

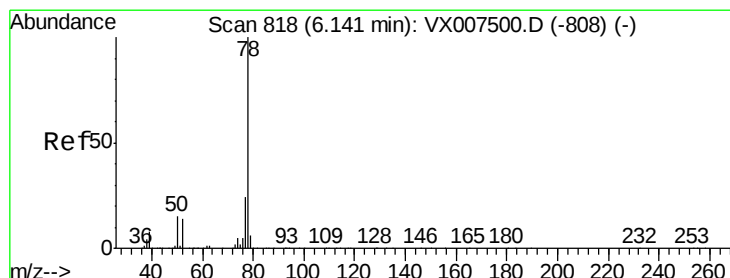
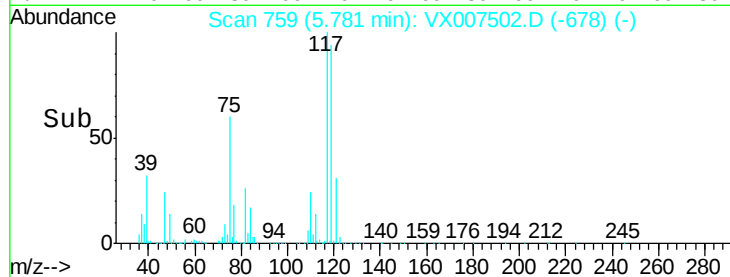
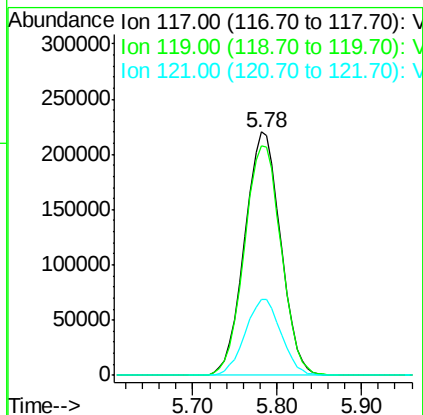
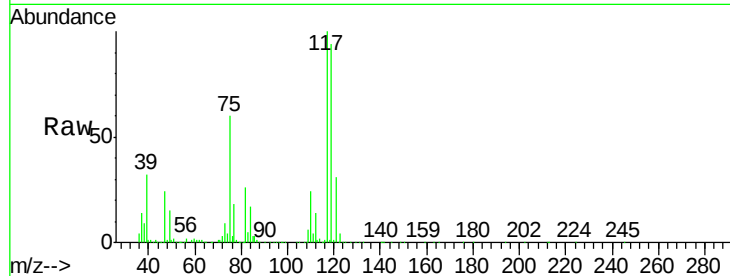
ClientSampleId :

VSTDIC100

Tot Ion:	117	Resp:	638104
Ion Ratio	Lower	Upper	
117	100		
119	94.2	78.1	117.1
121	31.0	27.0	40.6

Manual Integrations
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#34

Benzene

Concen: 107.210 ug/l

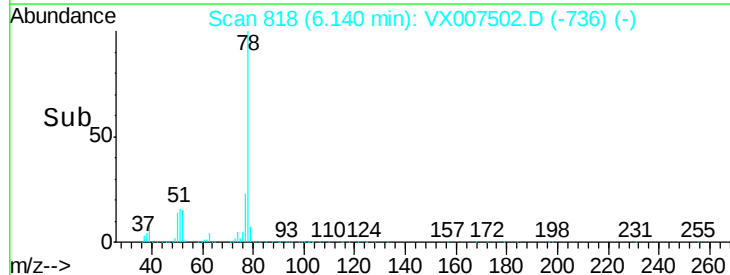
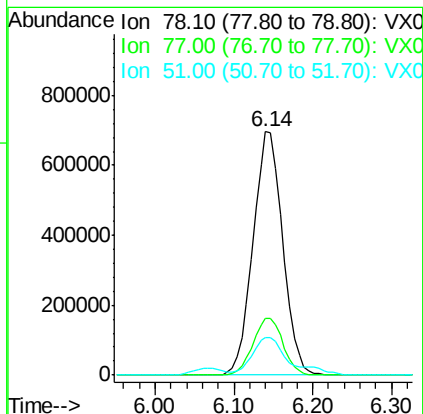
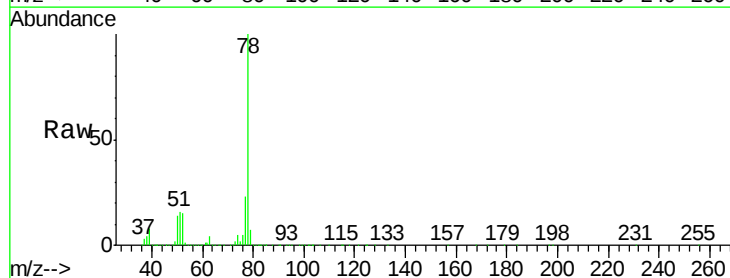
RT: 6.14 min Scan# 818

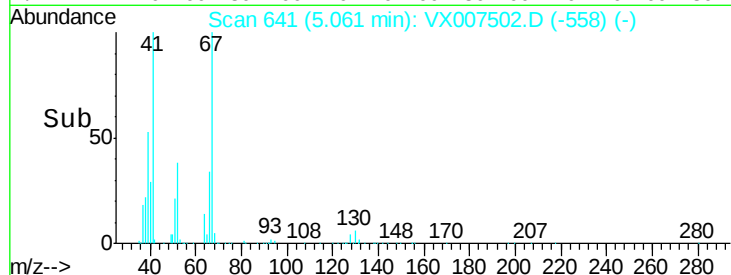
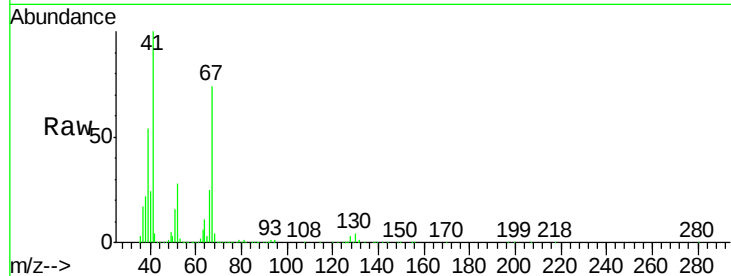
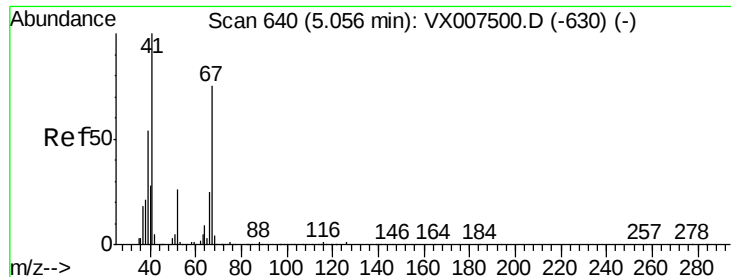
Delta R.T. -0.00 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

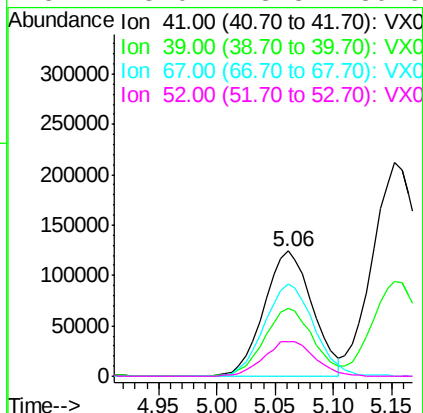
Tgt Ion:	78	Resp:	1820133
Ion Ratio	Lower	Upper	
78	100		
77	23.5	19.1	28.7
51	15.1	10.8	16.2





#35
Methacrylonitrile
Concen: 107.037 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX007502.D
Acq: 12 Feb 2019 23:55

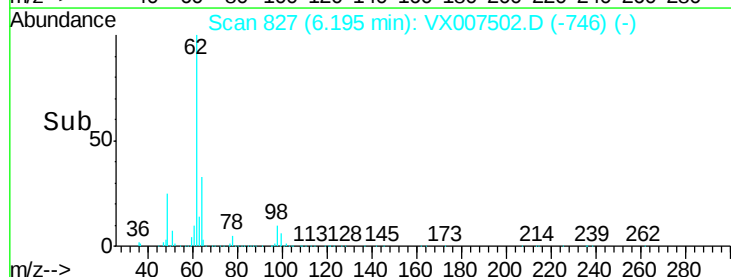
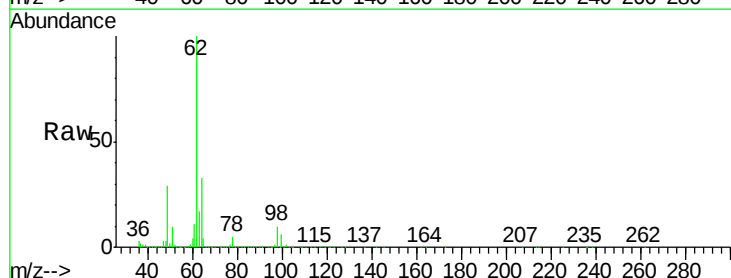
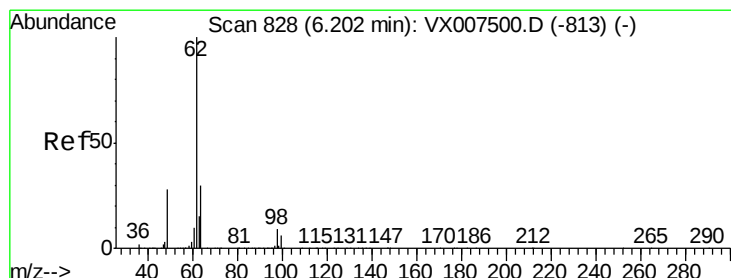
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.5	27.4	82.0	
67	73.6	37.9	113.6	
52	28.0	13.3	39.9	



Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

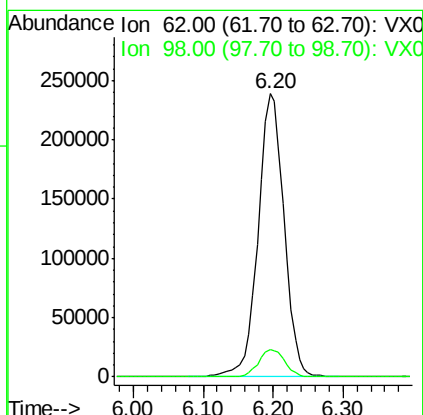
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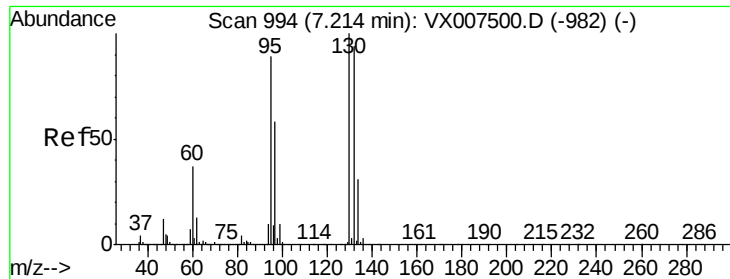
MMDadoda
2/13/2019 11:52:49 AM



#36
1,2-Dichloroethane
Concen: 105.521 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.01 min
Lab File: VX007502.D
Acq: 12 Feb 2019 23:55

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





#37

Trichloroethene

Concen: 105.468 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion:130 Resp: 525709

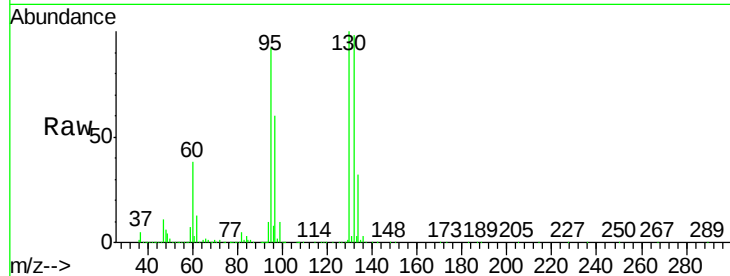
Ion Ratio Lower Upper

130 100

95 91.7 71.3 106.9

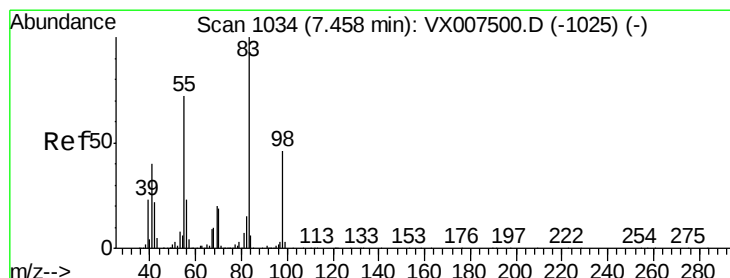
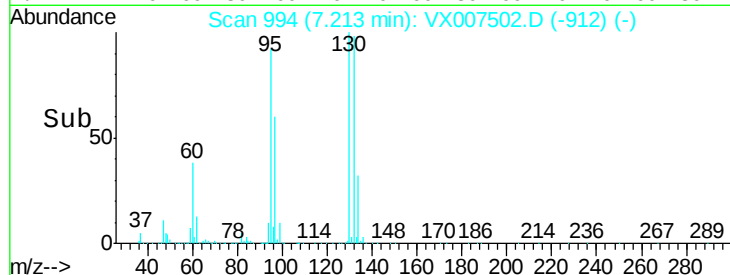
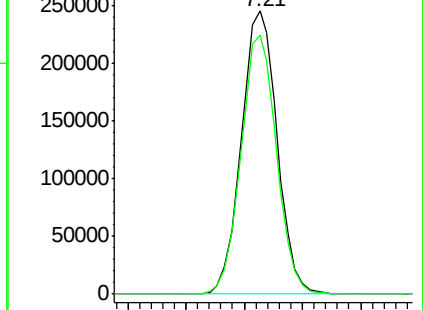
Manual Integrations
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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 99.719 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

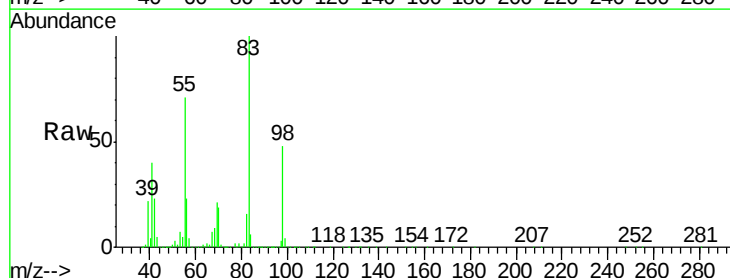
Tgt Ion: 83 Resp: 686022

Ion Ratio Lower Upper

83 100

55 70.6 36.0 108.0

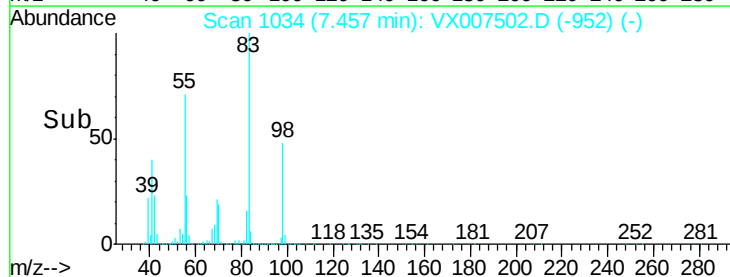
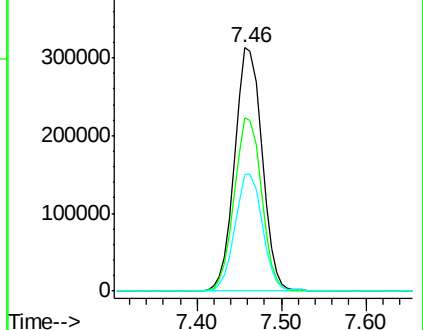
98 47.9 23.8 71.4

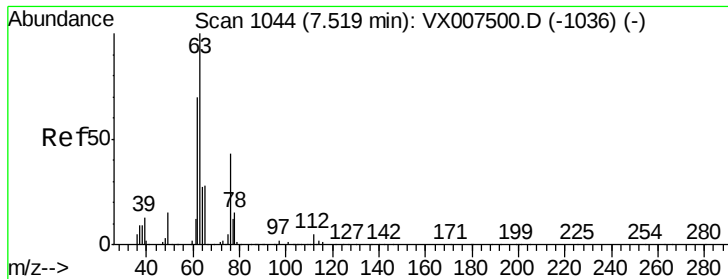


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#39

1,2-Dichloropropane

Concen: 105.883 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 451065

Ion Ratio Lower Upper

63 100

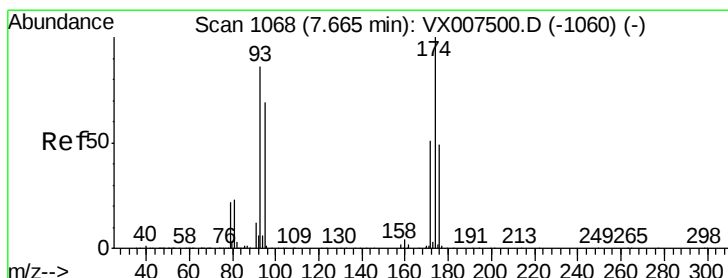
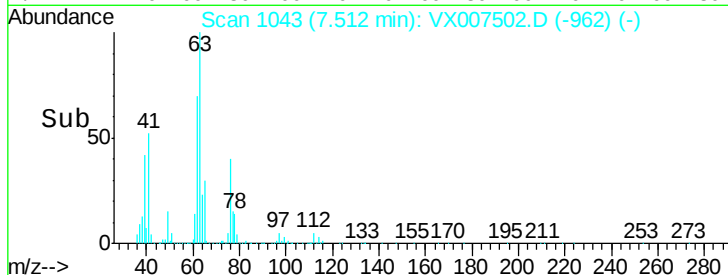
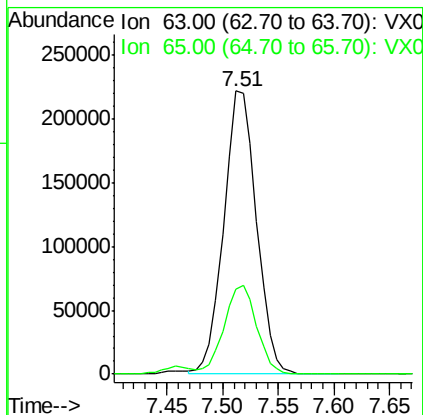
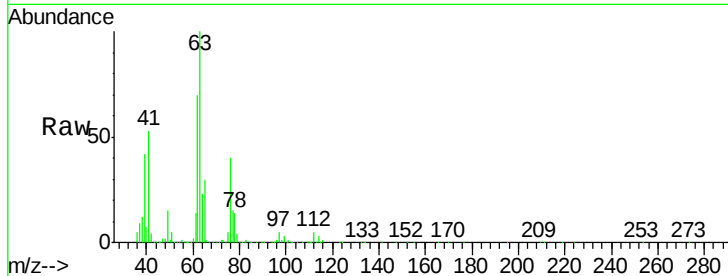
65 30.0 24.6 37.0

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#40

Dibromomethane

Concen: 106.264 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

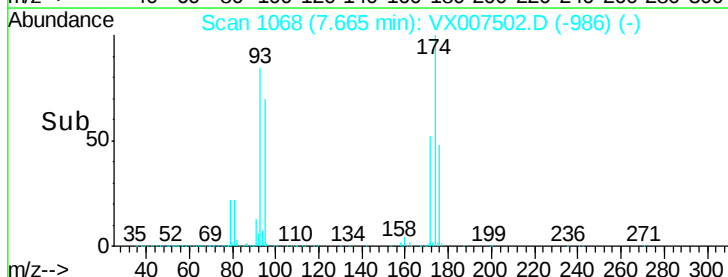
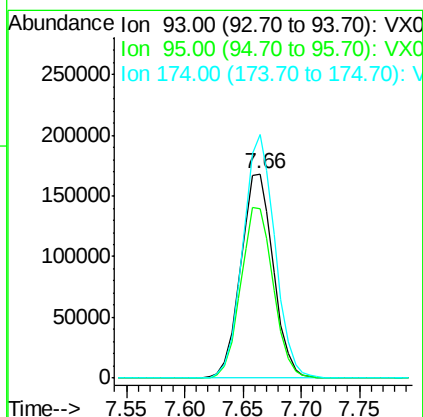
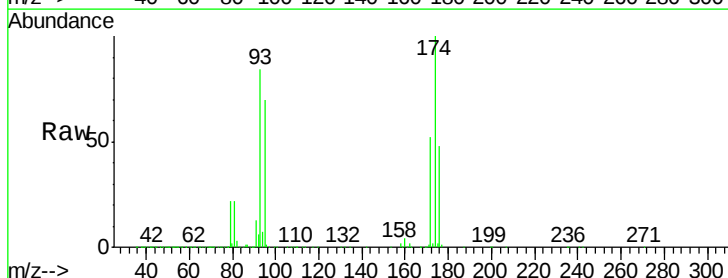
Tgt Ion: 93 Resp: 328081

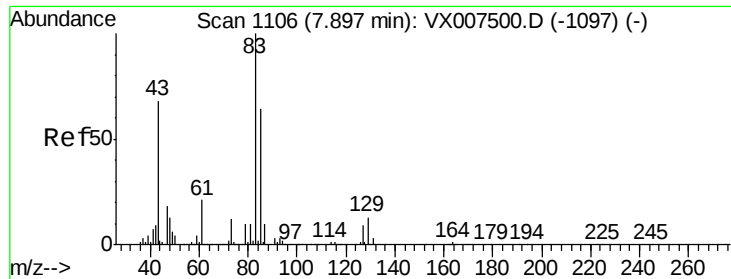
Ion Ratio Lower Upper

93 100

95 83.5 0.0 158.8

174 116.8 0.0 224.2





#41

Bromodichloromethane

Concen: 112.637 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Instrument :

MSVOA_X

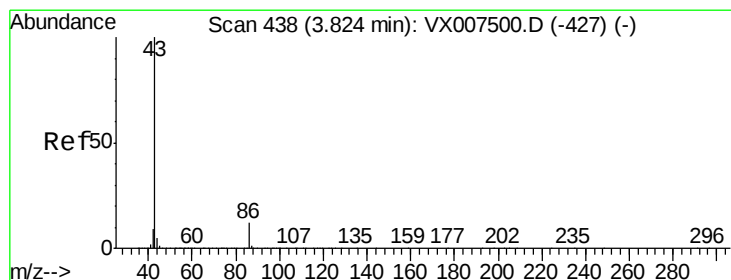
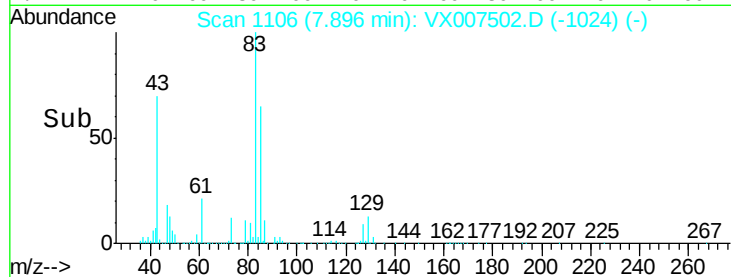
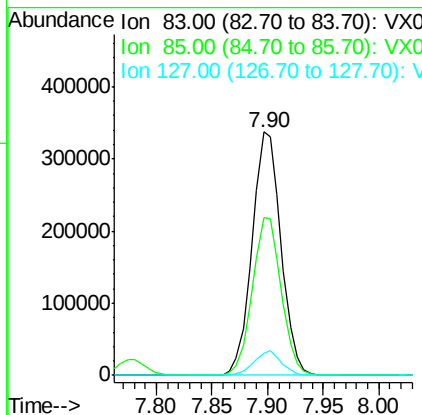
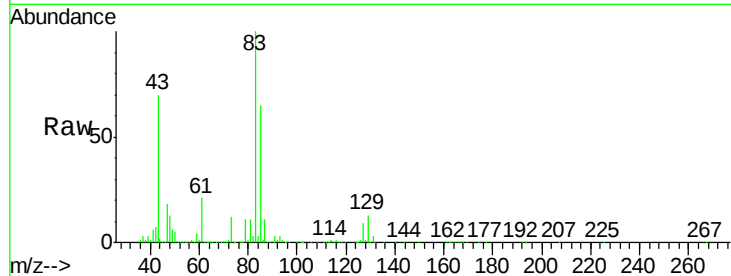
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	608720
Ion Ratio	Lower	Upper	
83	100		
85	64.5	51.1	76.7
127	9.3	7.2	10.8

Manual Integrations
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#42

Vinyl Acetate

Concen: 549.875 ug/l

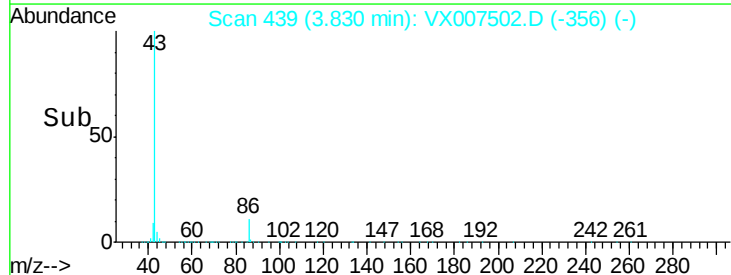
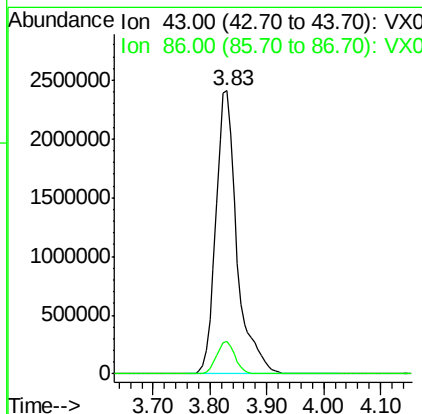
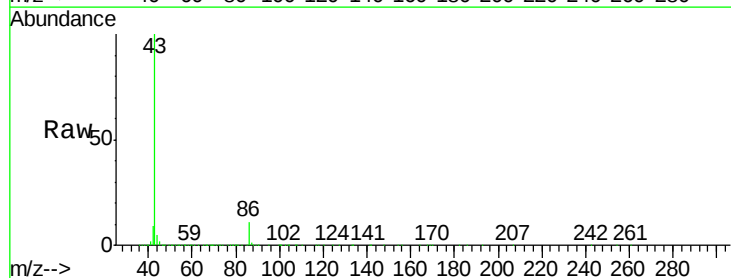
RT: 3.83 min Scan# 439

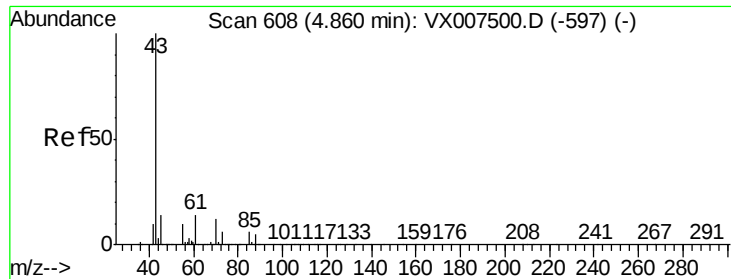
Delta R.T. 0.01 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Tgt Ion:	43	Resp:	6179224
Ion Ratio	Lower	Upper	
43	100		
86	10.1	8.2	12.2





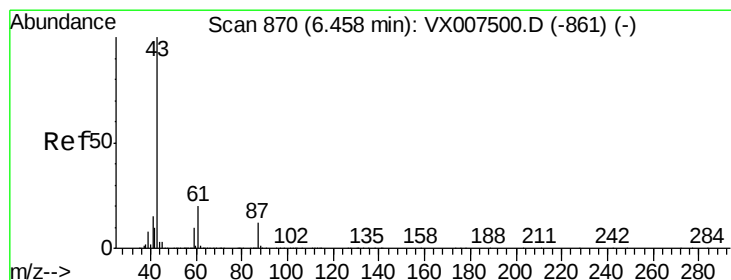
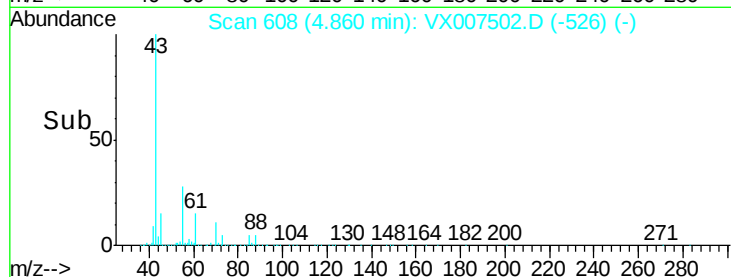
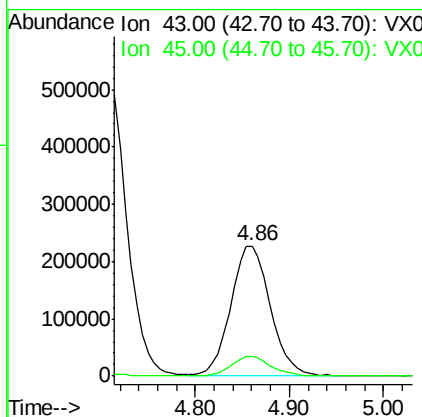
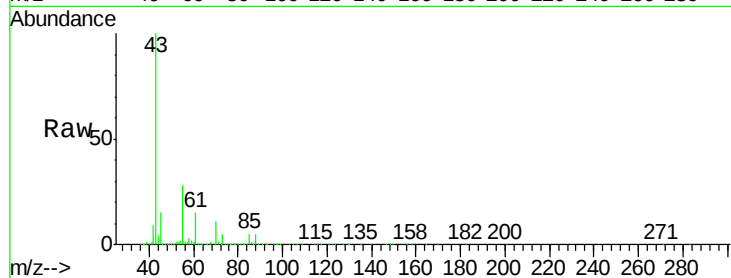
#43
Ethyl Acetate
Concen: 108.047 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX007502.D
Acq: 12 Feb 2019 23:55

Instrument :
MSVOA_X
ClientSampleID :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
45	15.2	6.9	10.3#

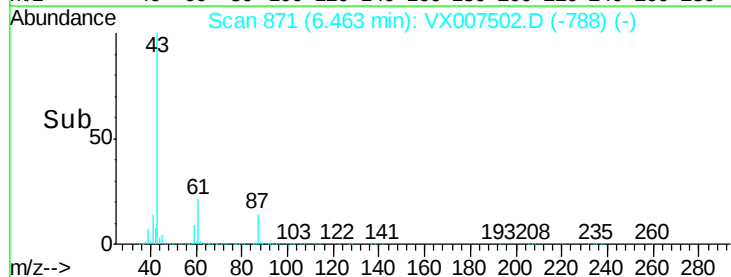
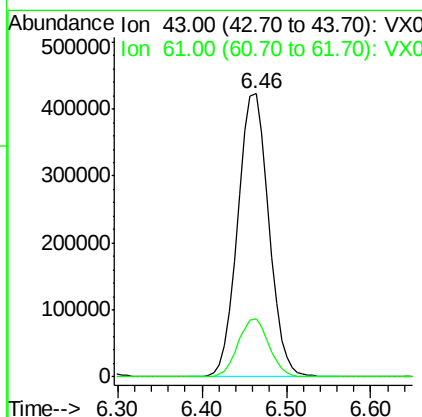
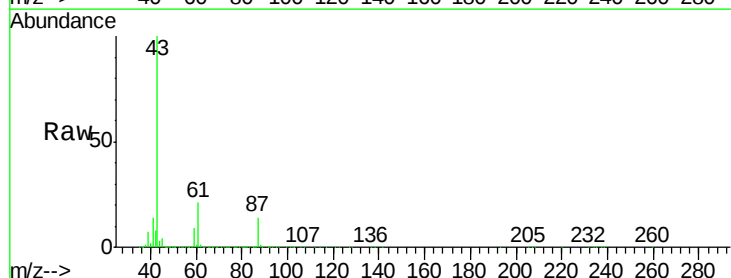
Manual Integrations
APPROVED

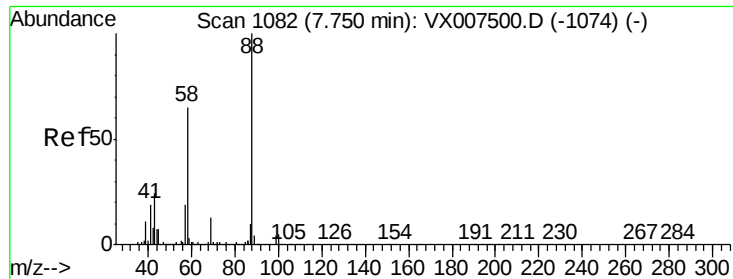
MMDadoda
2/13/2019 11:52:49 AM



#44
Isopropyl Acetate
Concen: 109.873 ug/l
RT: 6.46 min Scan# 871
Delta R.T. 0.01 min
Lab File: VX007502.D
Acq: 12 Feb 2019 23:55

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.1	24.1





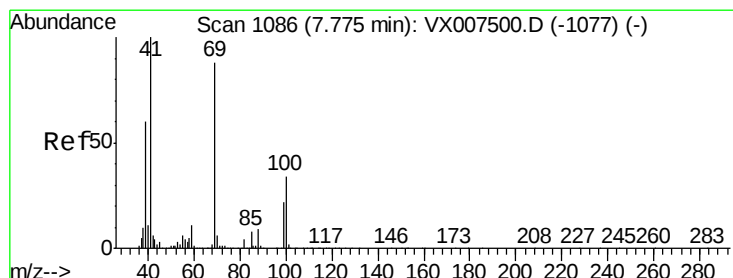
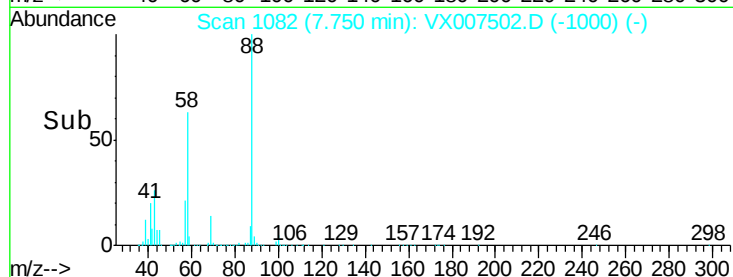
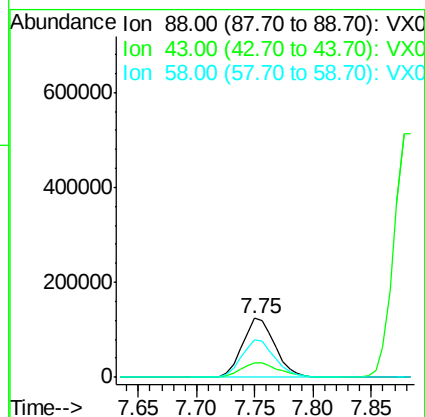
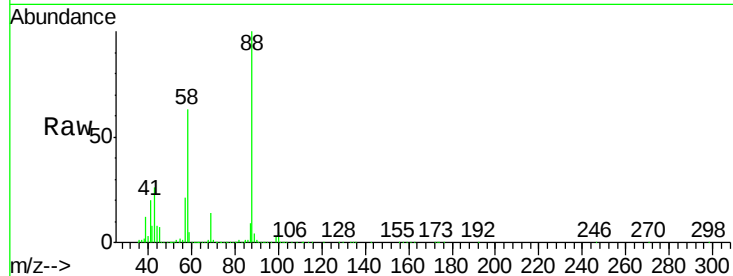
#45
1,4-Dioxane
Concen: 2106.609 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VX007502.D
Acq: 12 Feb 2019 23:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	88	Resp	242327
Ion Ratio	Lower	Upper	
88	100		
43	28.9	23.6	35.4
58	64.0	51.6	77.4

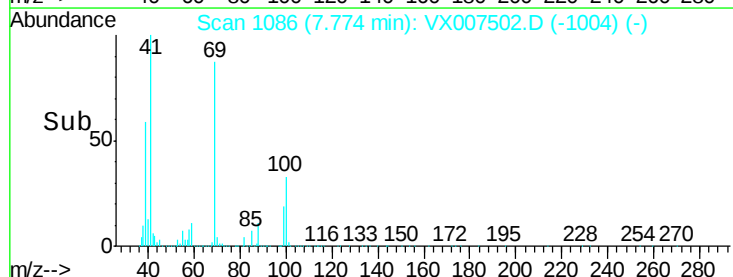
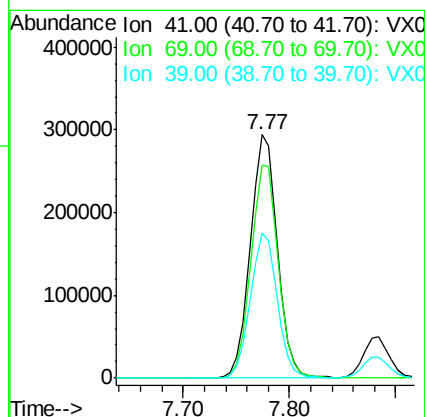
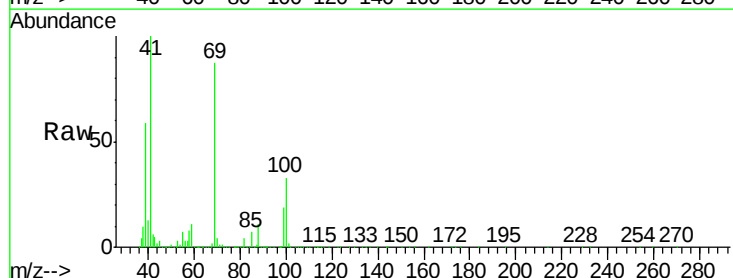
Manual Integrations
APPROVED

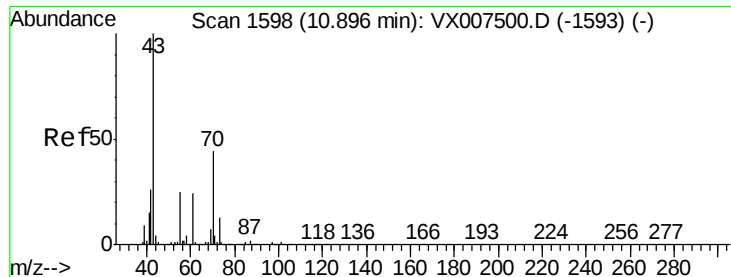
MMDadoda
2/13/2019 11:52:49 AM



#46
Methyl methacrylate
Concen: 107.919 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX007502.D
Acq: 12 Feb 2019 23:55

Tgt Ion	41	Resp	524889
Ion Ratio	Lower	Upper	
41	100		
69	87.3	44.2	132.6
39	59.4	29.9	89.8





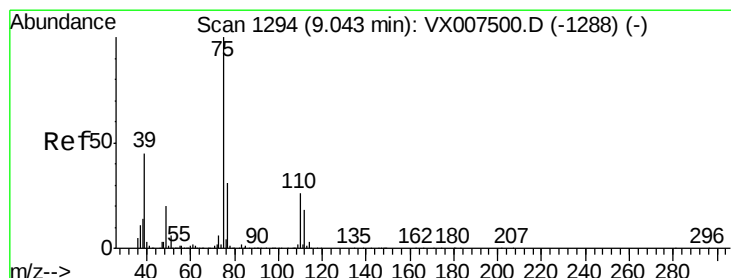
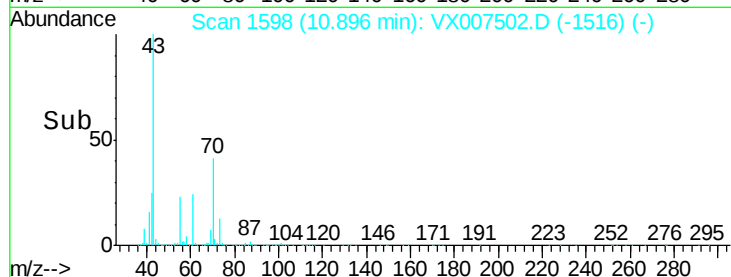
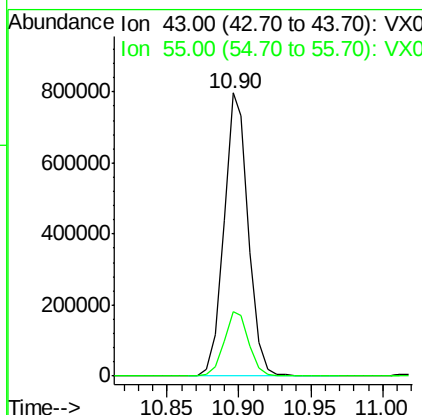
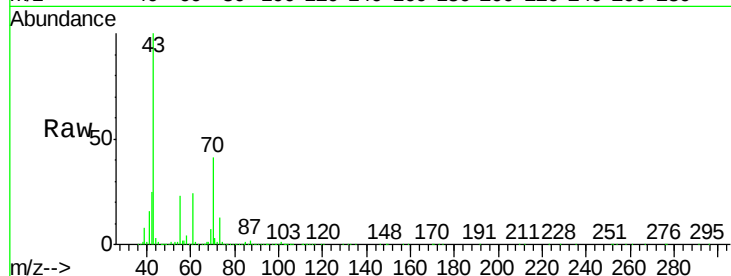
#47
n-amvl Acetate
Concen: 112.254 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX007502.D
Acq: 12 Feb 2019 23:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
55	23.3	20.8	31.2

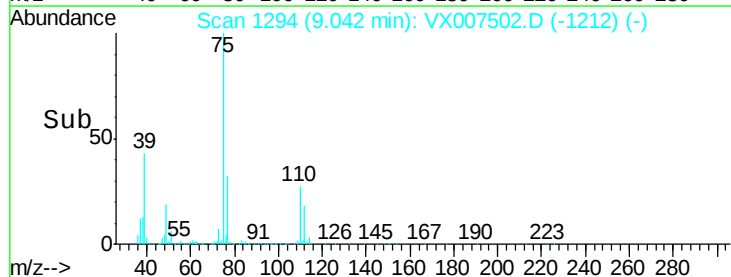
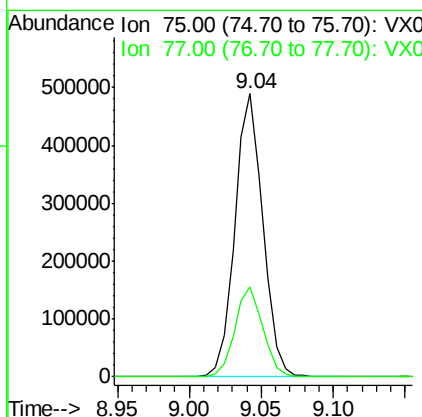
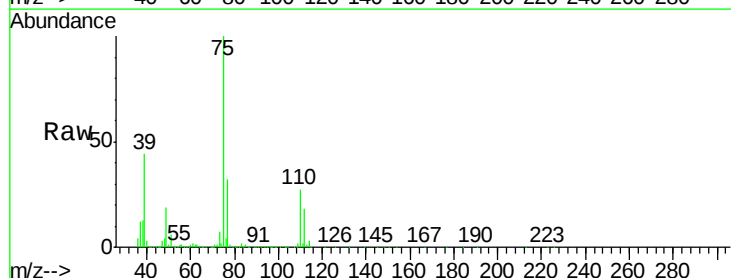
Manual Integrations
APPROVED

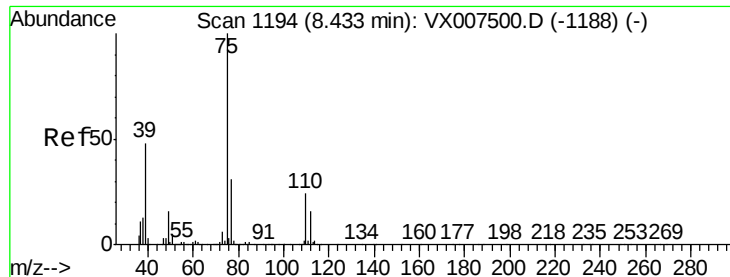
MMDadoda
2/13/2019 11:52:49 AM



#48
t-1,3-Dichloropropene
Concen: 113.423 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX007502.D
Acq: 12 Feb 2019 23:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.5	36.7





#49

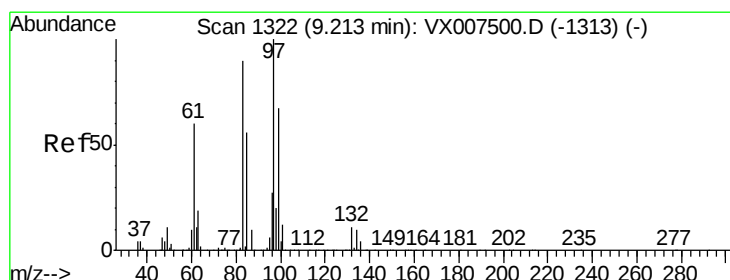
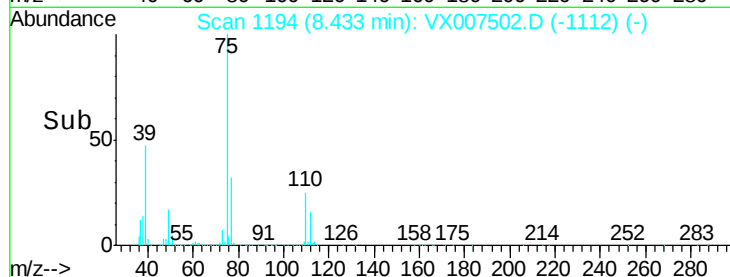
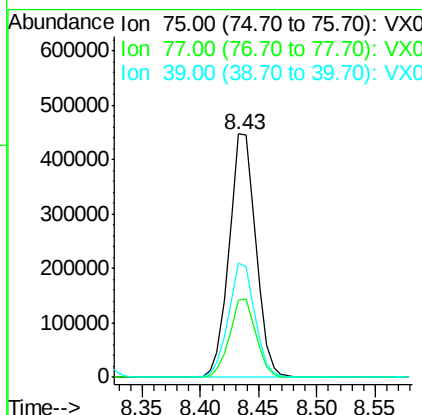
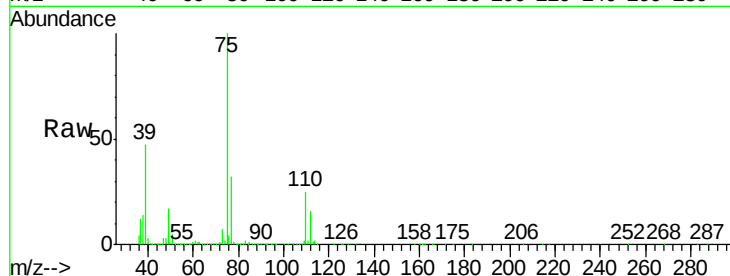
cis-1,3-Dichloropropene
 Concen: 110.543 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX007502.D
 Acq: 12 Feb 2019 23:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	75	Resp:	716063
Ion Ratio	Lower	Upper	
75	100		
77	31.6	25.0	37.4
39	46.7	38.5	57.7

Manual Integrations
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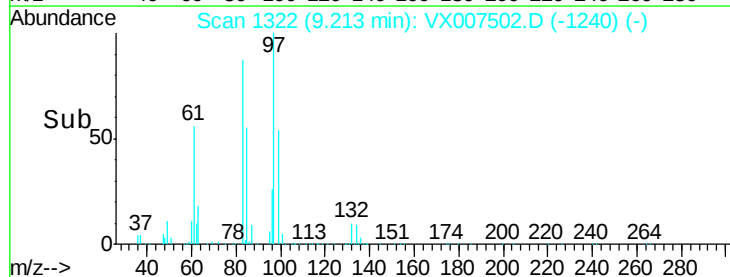
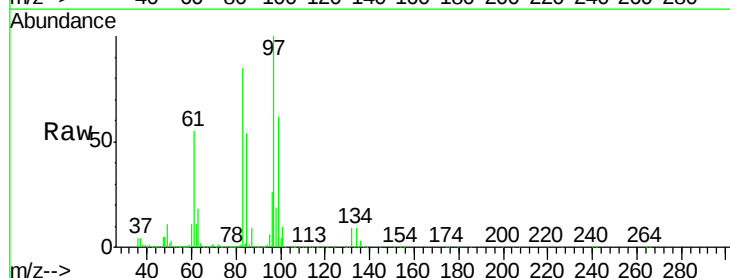
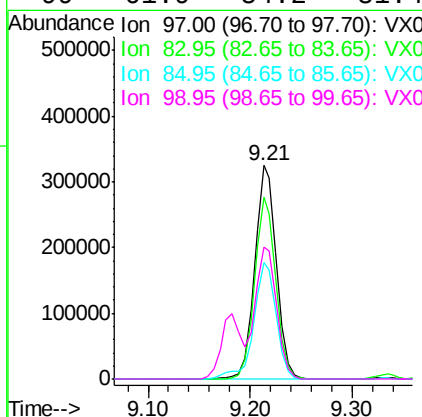
MMDadoda
 2/13/2019 11:52:49 AM

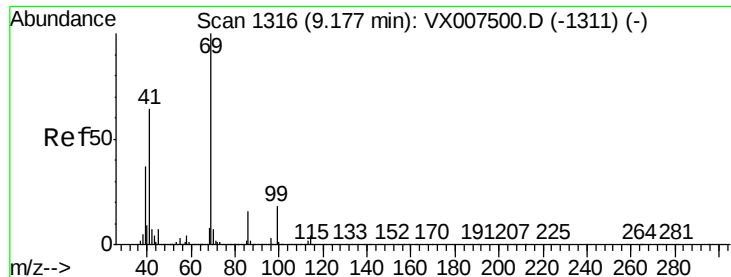


#50

1,1,2-Trichloroethane
 Concen: 104.809 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX007502.D
 Acq: 12 Feb 2019 23:55

Tgt Ion:	97	Resp:	481307
Ion Ratio	Lower	Upper	
97	100		
83	85.2	72.0	108.0
85	54.4	45.0	67.6
99	61.9	54.2	81.4





#51

Ethyl methacrylate

Concen: 106.981 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Instrument :

MSVOA_X

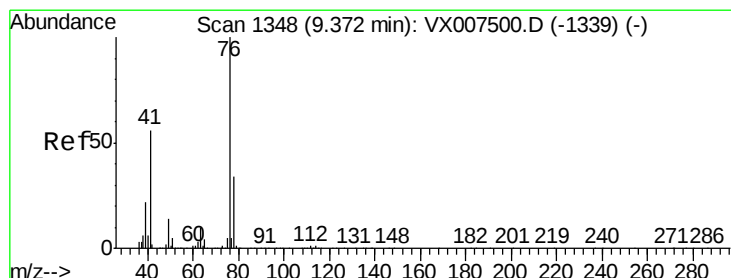
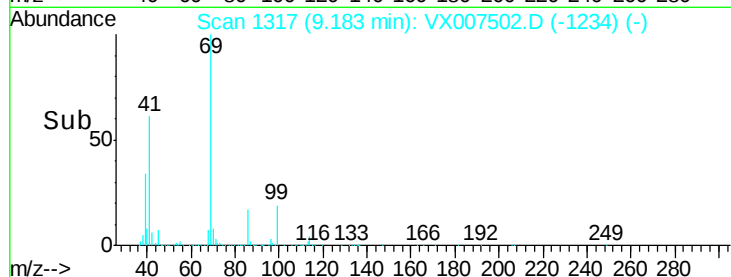
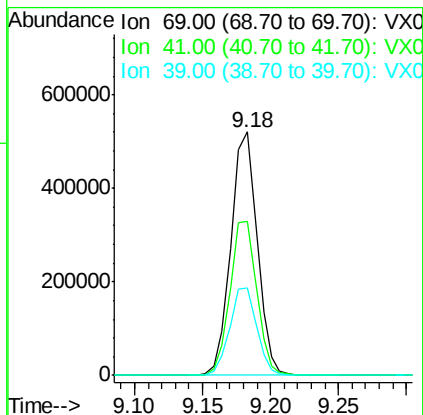
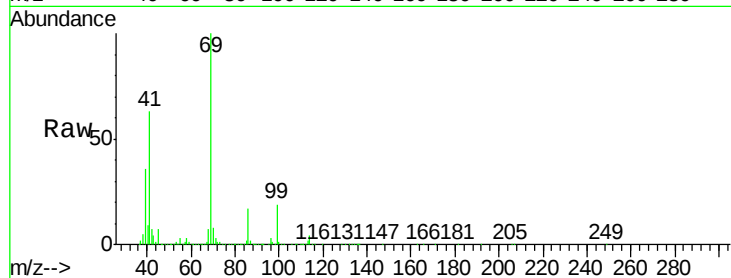
ClientSampleId :

VSTDIC100

Tot Ion:	69	Resp:	704258
Ion Ratio	Lower	Upper	
69	100		
41	63.2	32.1	96.5
39	35.8	18.8	56.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 104.711 ug/l

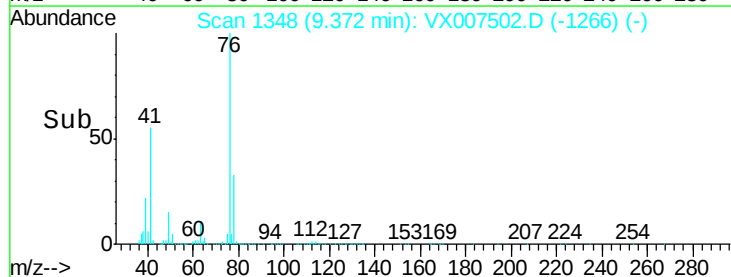
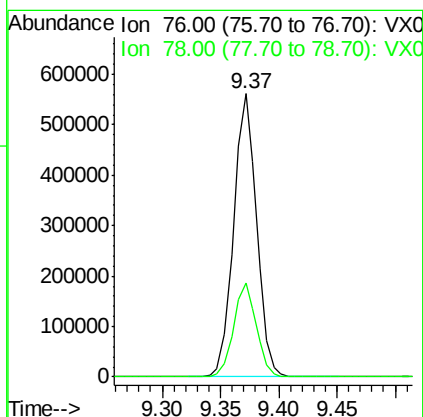
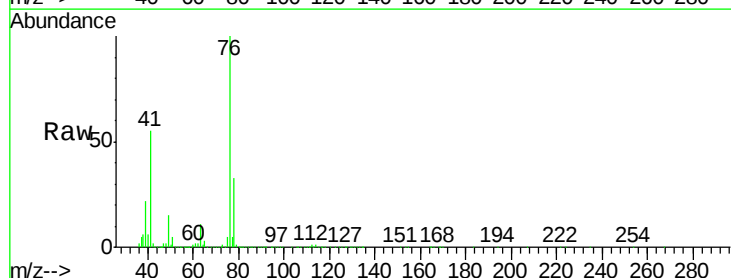
RT: 9.37 min Scan# 1348

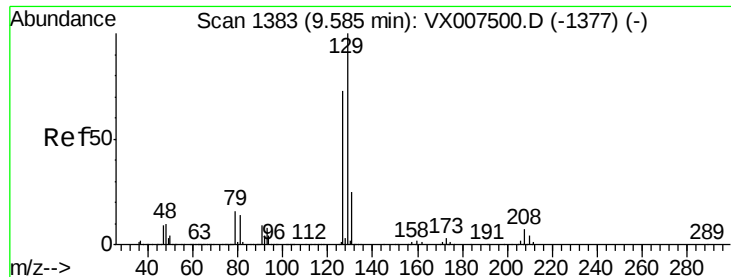
Delta R.T. -0.00 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Tgt Ion:	76	Resp:	771344
Ion Ratio	Lower	Upper	
76	100		
78	32.7	0.0	65.2





#53

Dibromochloromethane

Concen: 114.279 ug/l

RT: 9.58 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:129 Resp: 531526

Ion Ratio Lower Upper

129 100

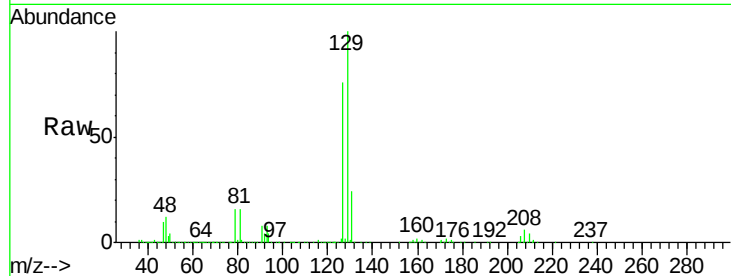
127 77.6 38.4 115.2

Manual Integrations

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

400000

300000

200000

100000

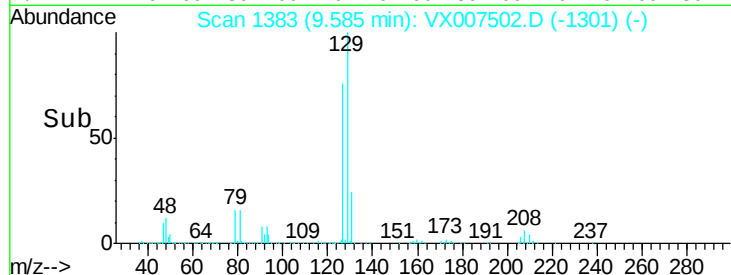
0

9.50

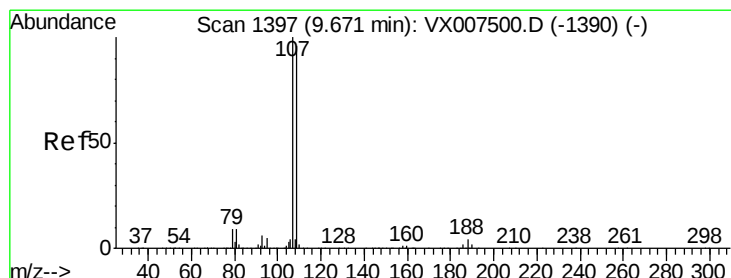
9.55

9.60

9.65



Time-->



#54

1,2-Dibromoethane

Concen: 106.822 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007502.D

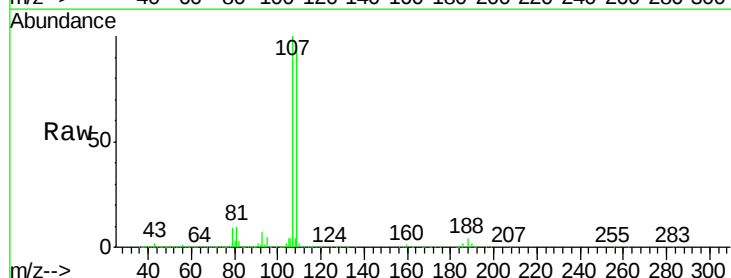
Acq: 12 Feb 2019 23:55

Tgt Ion:107 Resp: 526980

Ion Ratio Lower Upper

107 100

109 94.4 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

400000

300000

200000

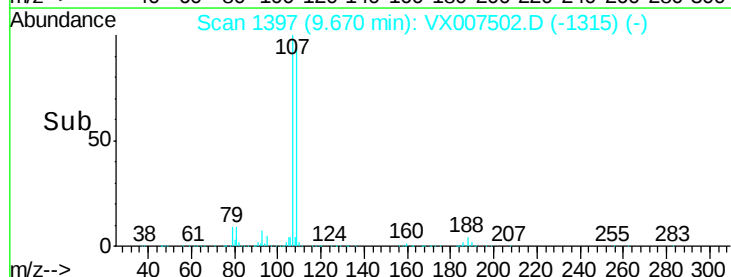
100000

0

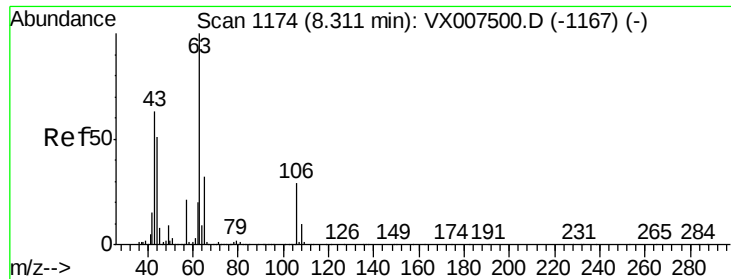
9.60

9.65

9.70



Time-->



#55

2-Chloroethyl vinyl ether

Concen: 515.855 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.01 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Instrument :

MSVOA_X

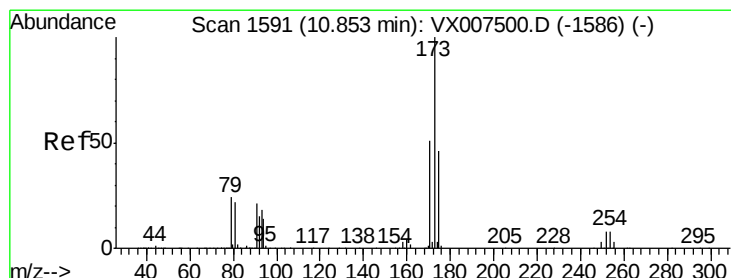
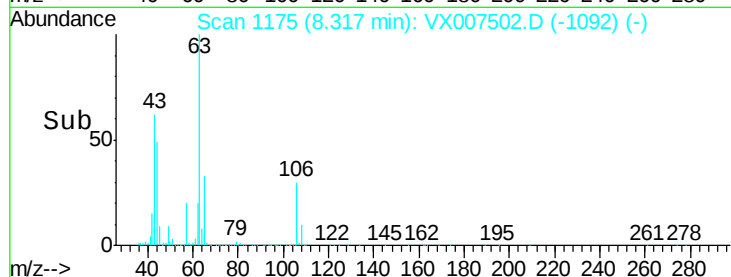
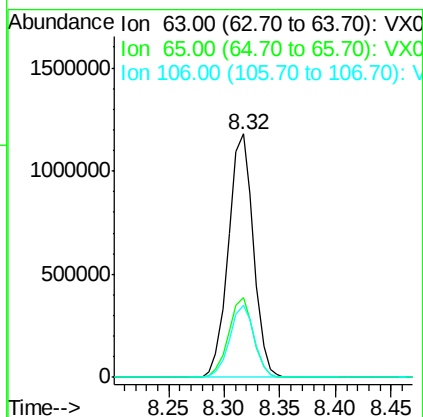
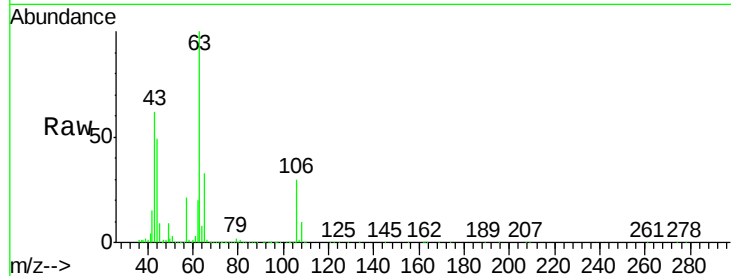
ClientSampleId :

VSTDIC100

Tot Ion:	63	Resp:	1824951
Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.7	38.5
106	29.2	23.7	35.5

Manual Integrations
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#56

Bromoform

Concen: 115.877 ug/l

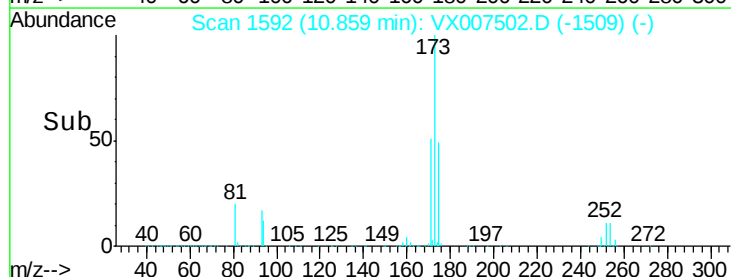
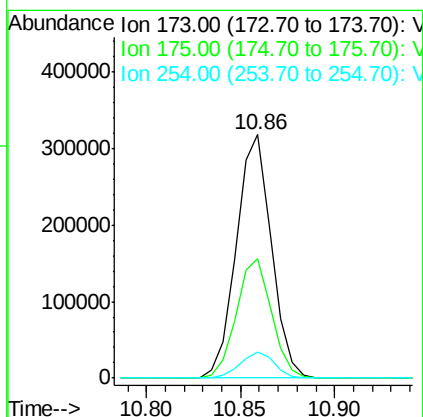
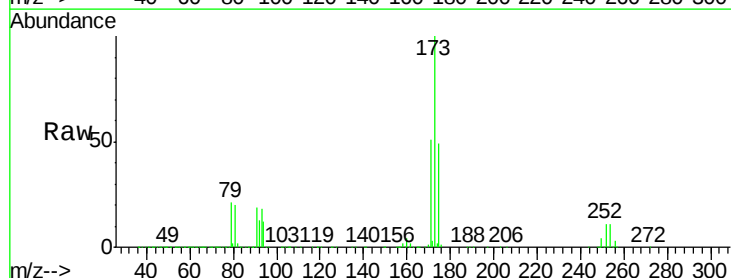
RT: 10.86 min Scan# 1592

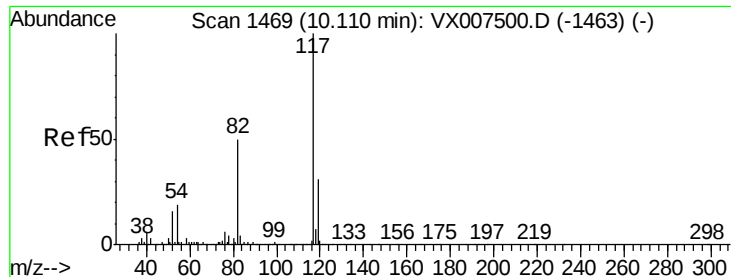
Delta R.T. 0.01 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Tgt Ion:	173	Resp:	409876
Ion	Ratio	Lower	Upper
173	100		
175	49.3	38.5	57.7
254	10.4	7.4	11.2





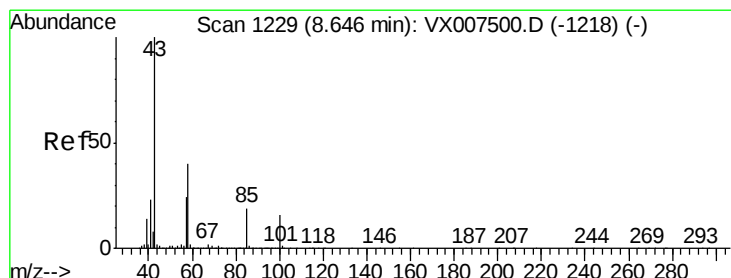
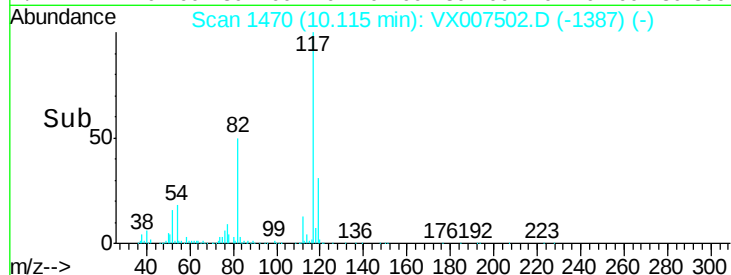
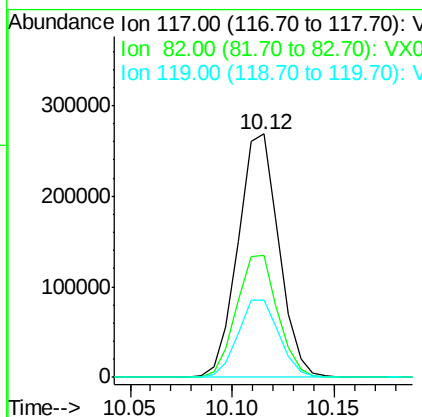
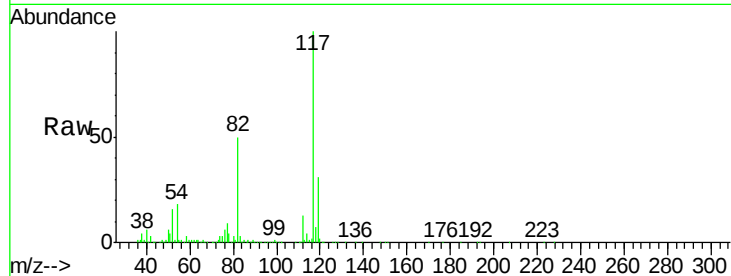
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007502.D
Acq: 12 Feb 2019 23:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	372600		
82	50.4		40.4	60.6
119	32.3		25.8	38.6

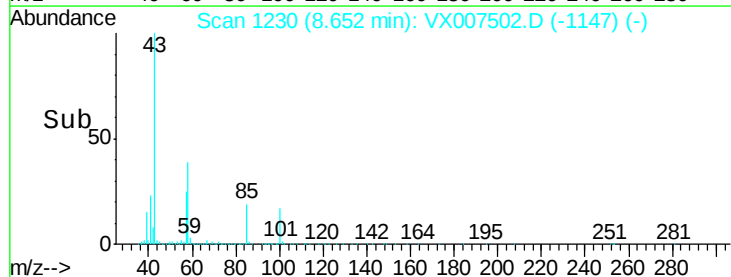
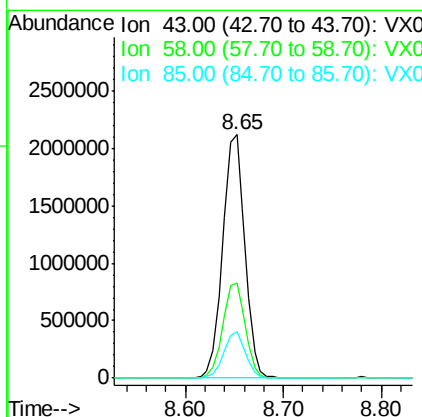
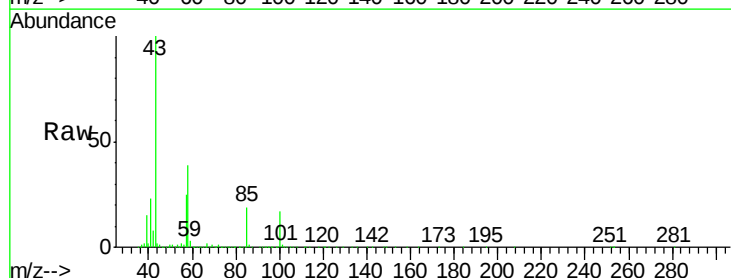
Manual Integrations
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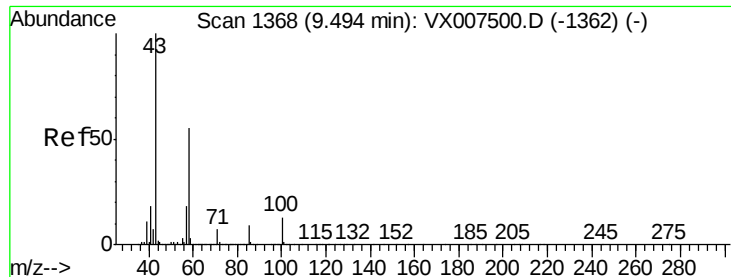
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 525.947 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.01 min
Lab File: VX007502.D
Acq: 12 Feb 2019 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	3334807		
58	39.4		31.4	47.0
85	18.6		15.0	22.6





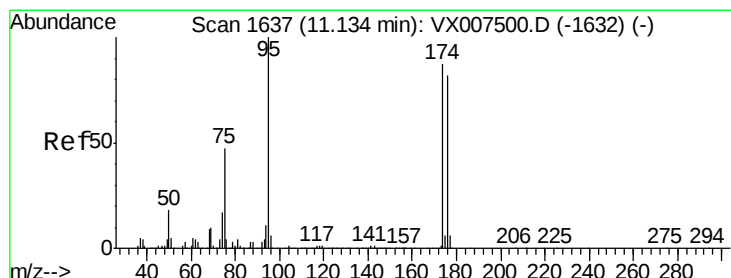
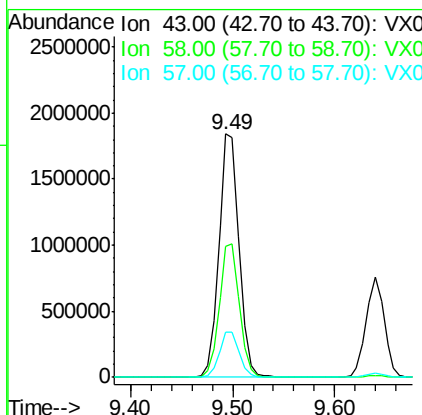
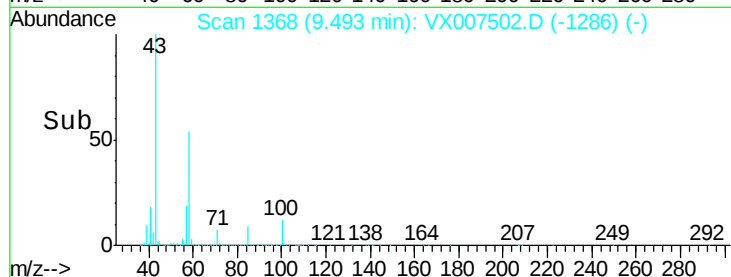
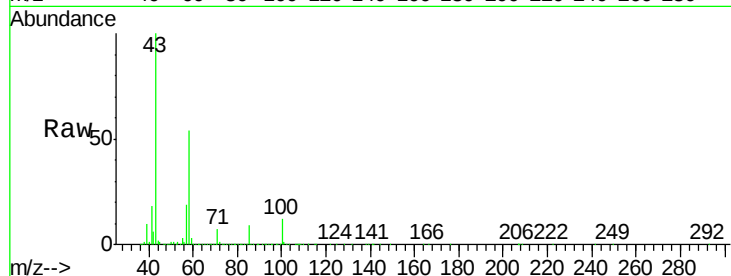
#59
2-Hexanone
Concen: 523.140 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007502.D
Acq: 12 Feb 2019 23:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 2542729
Ion Ratio Lower Upper
43 100
58 54.8 43.9 65.9
57 18.9 14.9 22.3

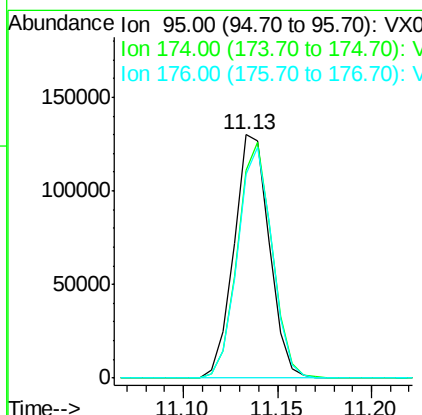
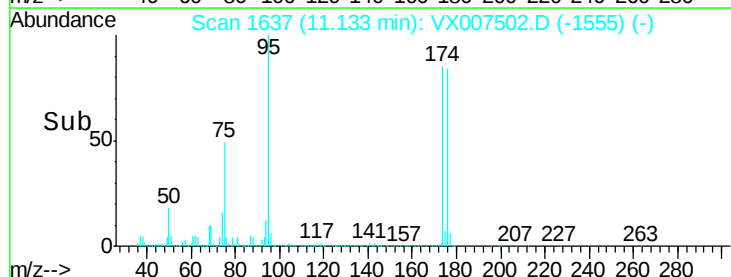
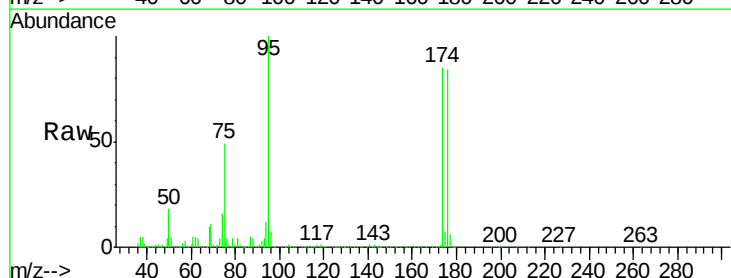
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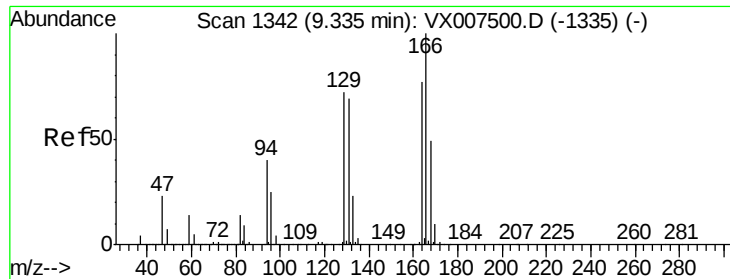
MMDadoda
2/13/2019 11:52:49 AM



#60
4-Bromofluorobenzene
Concen: 29.482 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007502.D
Acq: 12 Feb 2019 23:55

Tgt Ion: 95 Resp: 168909
Ion Ratio Lower Upper
95 100
174 94.2 74.9 112.3
176 92.4 70.7 106.1





#61

Tetrachloroethene

Concen: 100.744 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Instrument :

MSVOA_X

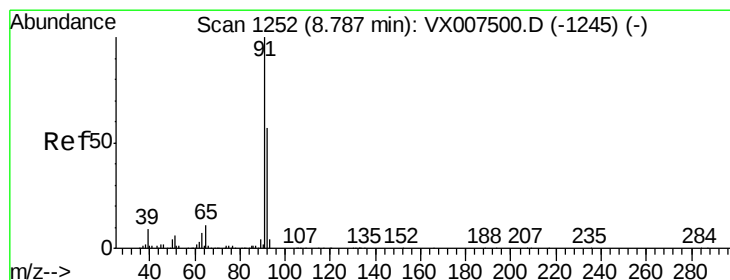
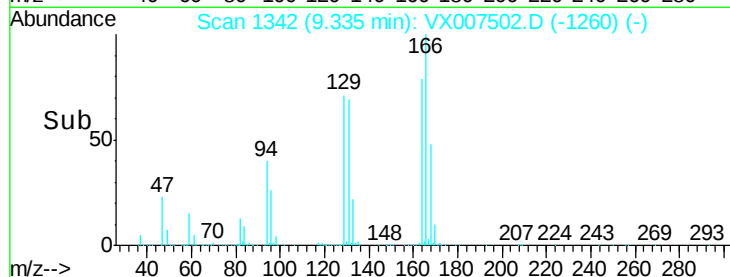
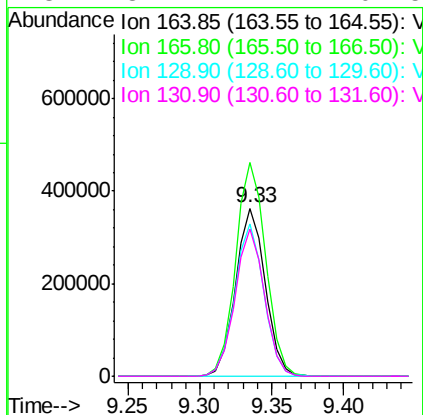
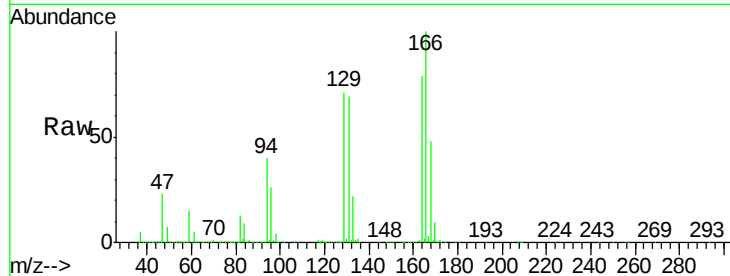
ClientSampleId :

VSTDIC100

Tot Ion:	164	Resp:	520894
Ion Ratio	Lower	Upper	
164	100		
166	127.2	103.9	155.9
129	90.3	74.7	112.1
131	87.7	71.7	107.5

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#62

Toluene

Concen: 105.299 ug/l

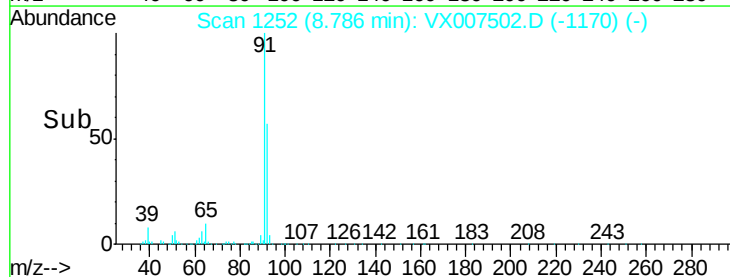
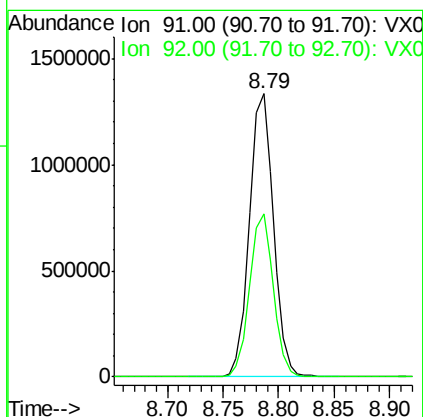
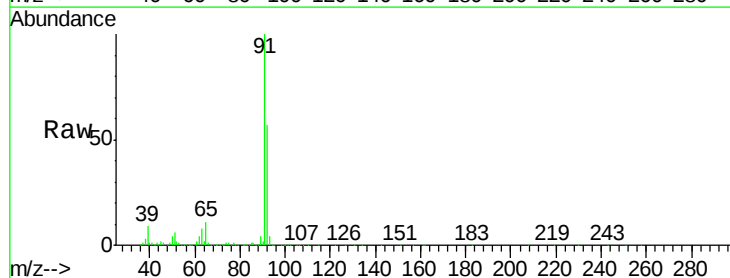
RT: 8.79 min Scan# 1252

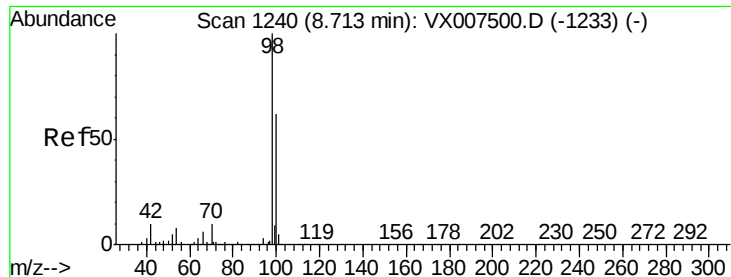
Delta R.T. -0.00 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Tgt Ion:	91	Resp:	2012118
Ion Ratio	Lower	Upper	
91	100		
92	57.2	46.4	69.6





#63

Toluene-d8

Concen: 29.877 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 98 Resp: 501860

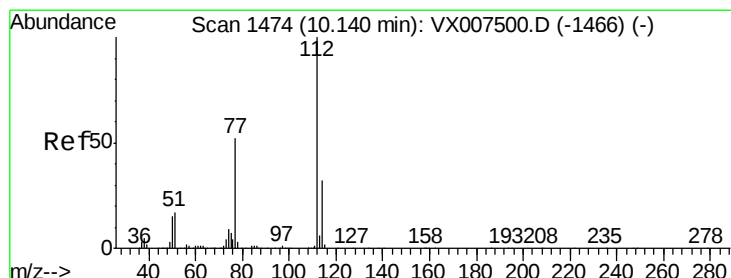
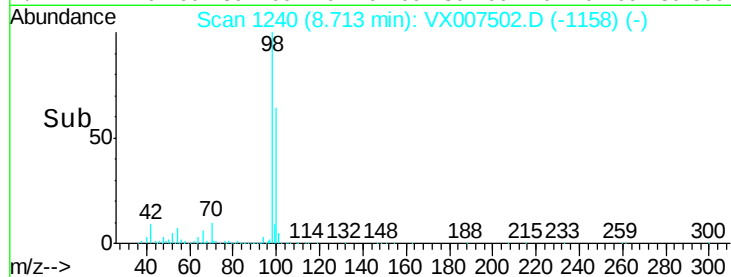
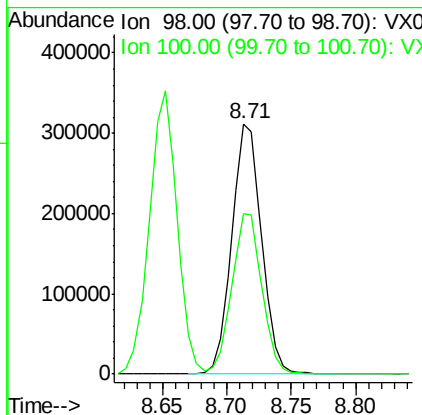
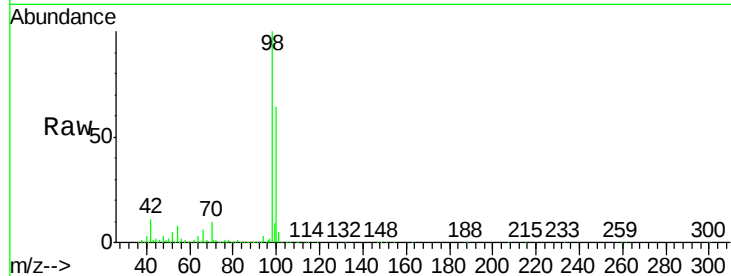
Ion Ratio Lower Upper

98 100

100 64.1 50.9 76.3

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#64

Chlorobenzene

Concen: 101.936 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX007502.D

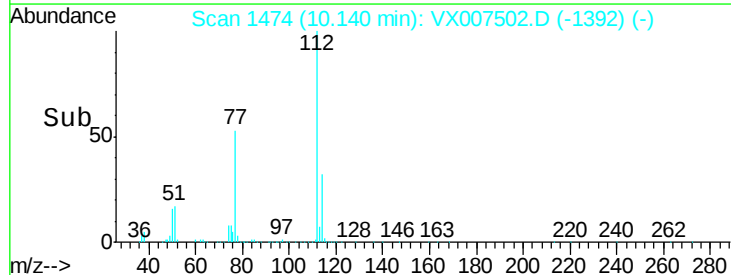
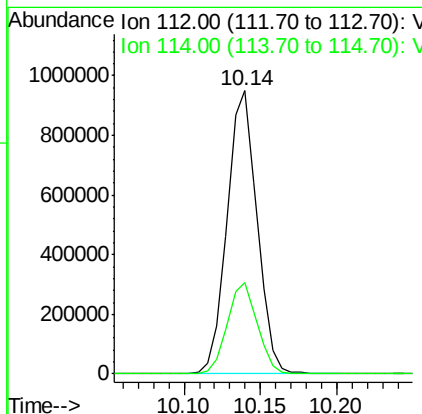
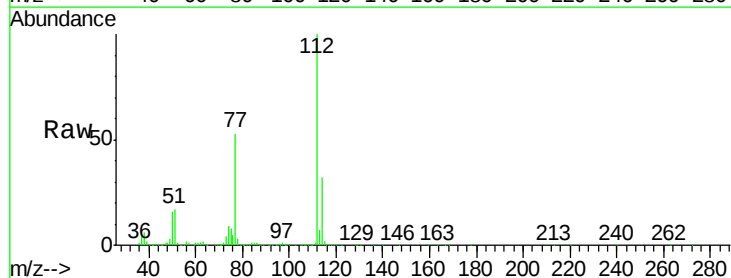
Acq: 12 Feb 2019 23:55

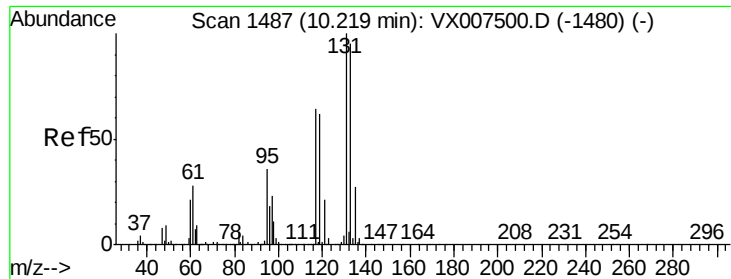
Tgt Ion: 112 Resp: 1283533

Ion Ratio Lower Upper

112 100

114 32.4 25.4 38.2





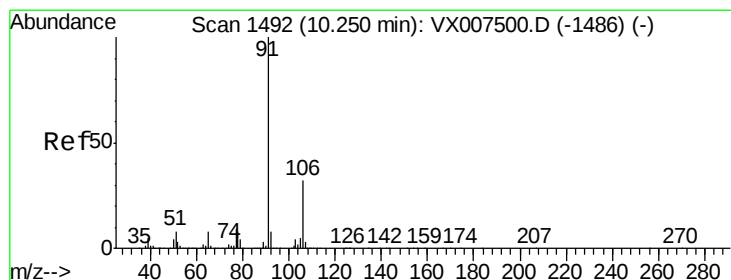
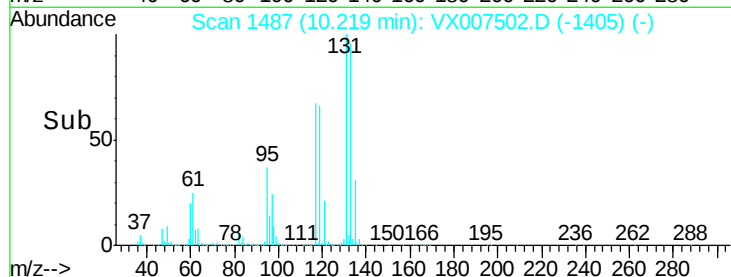
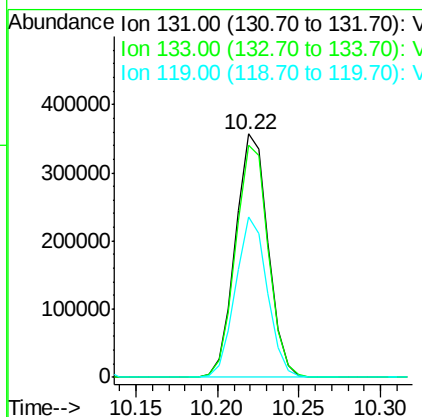
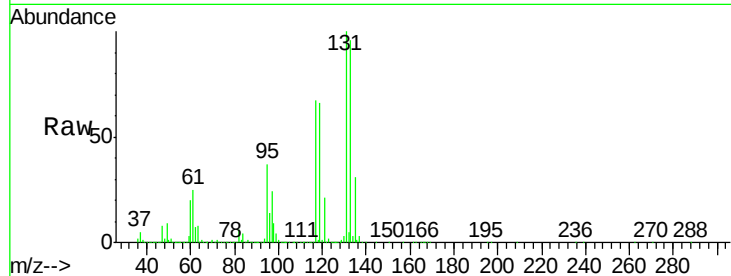
#65
 1,1,1,2-Tetrachloroethane
 Concen: 110.744 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VX007502.D
 Acq: 12 Feb 2019 23:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
131	100	496803		
133	95.5	0.0	191.6	
119	64.1	0.0	127.4	

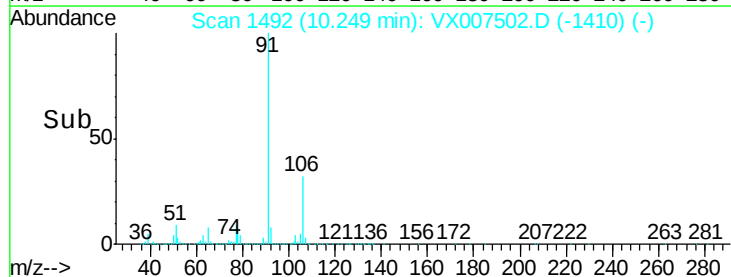
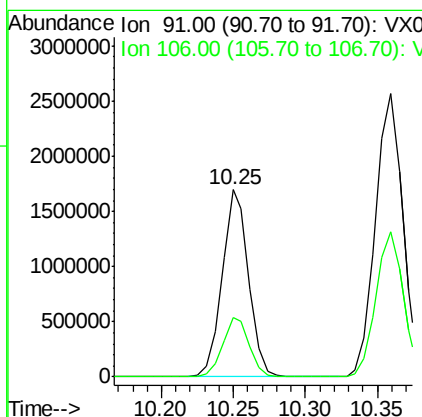
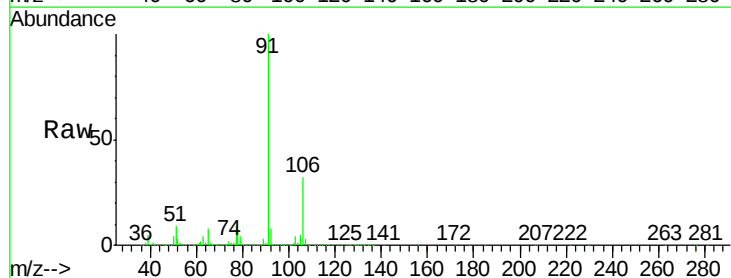
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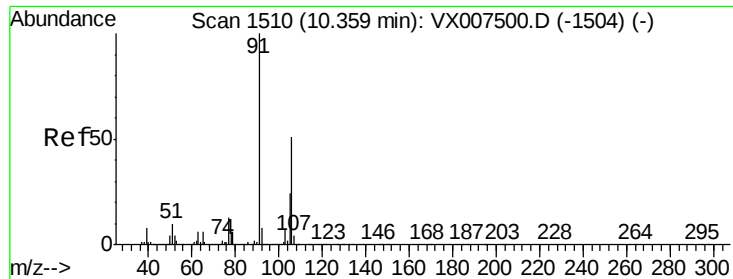
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 2/13/2019 11:52:49 AM



#66
 Ethyl Benzene
 Concen: 105.517 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX007502.D
 Acq: 12 Feb 2019 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	2170926		
106	32.0	26.0	39.0	





#67

m/p-Xylenes

Concen: 211.386 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion:106 Resp: 1712699

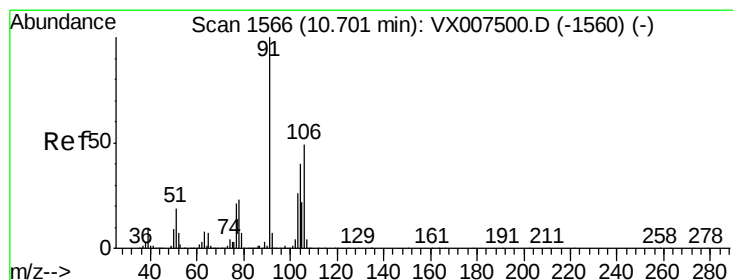
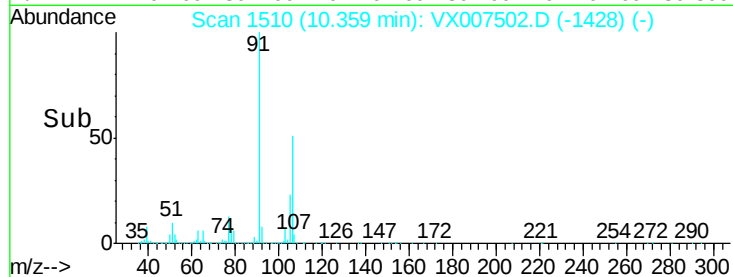
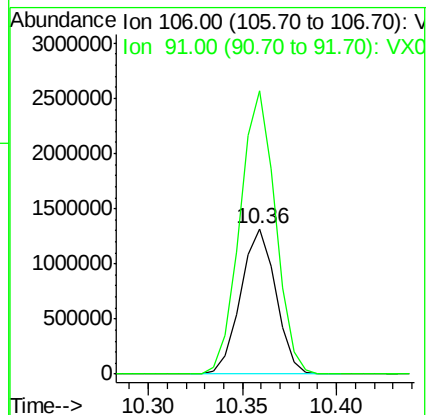
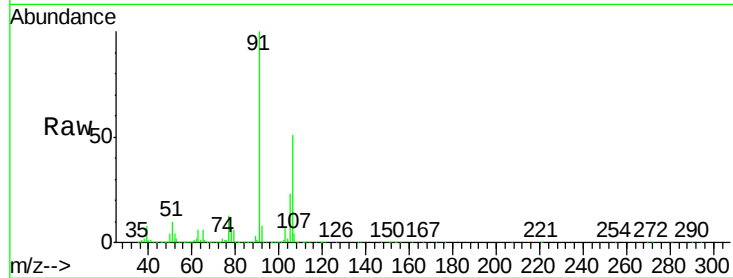
Ion Ratio Lower Upper

106 100

91 195.6 157.0 235.4

Manual Integrations
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MMDadoda
2/13/2019 11:52:49 AM



#68

o-Xylene

Concen: 104.656 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VX007502.D

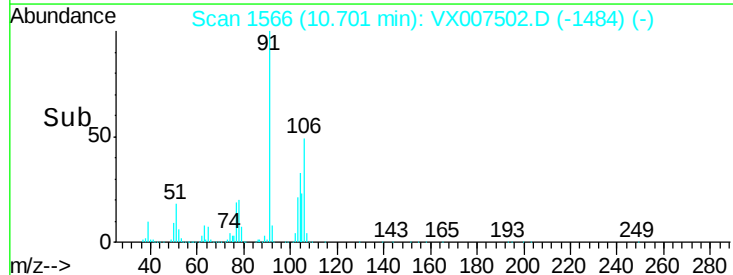
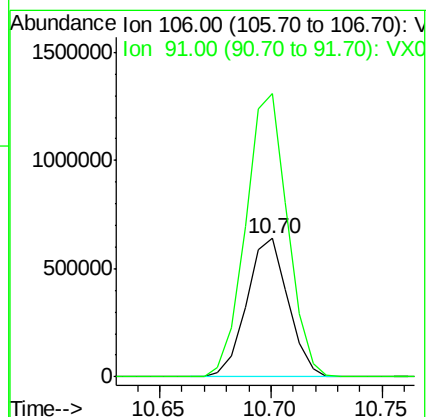
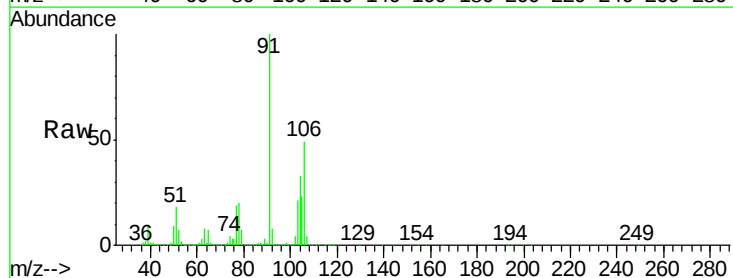
Acq: 12 Feb 2019 23:55

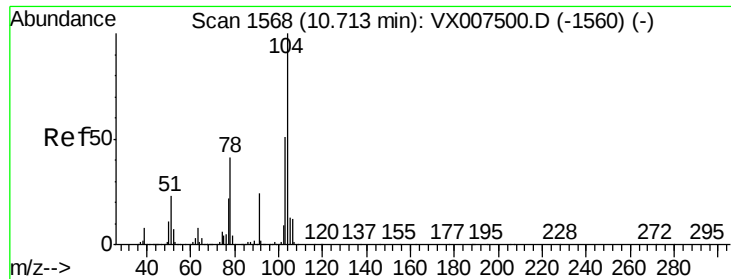
Tgt Ion:106 Resp: 830922

Ion Ratio Lower Upper

106 100

91 206.3 104.4 313.2





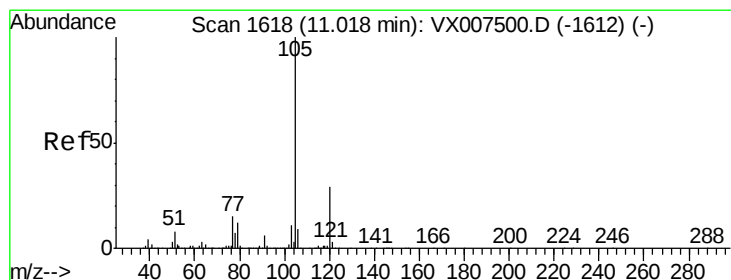
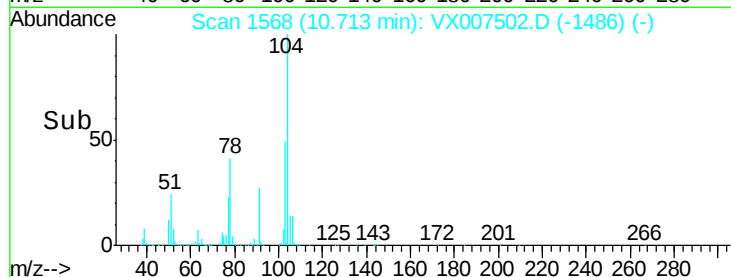
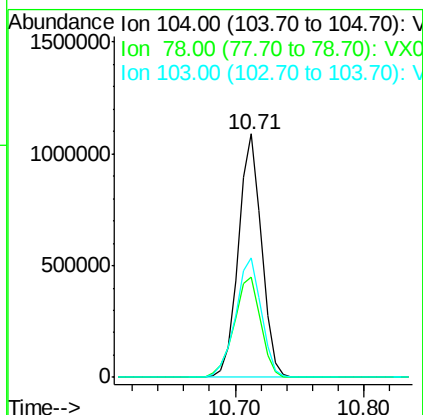
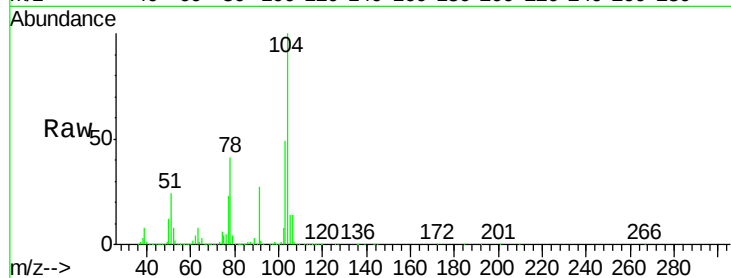
#69
Stvrene
Concen: 105.868 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007502.D
Acq: 12 Feb 2019 23:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.7	38.2	57.2
103	54.8	45.0	67.4

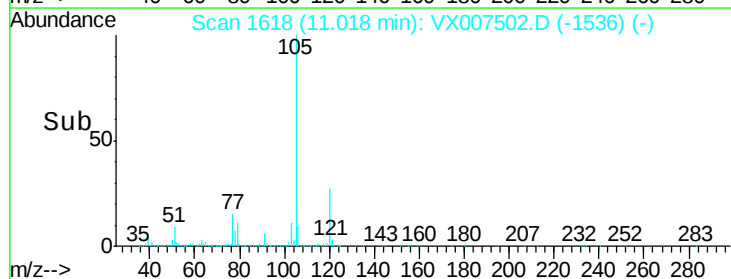
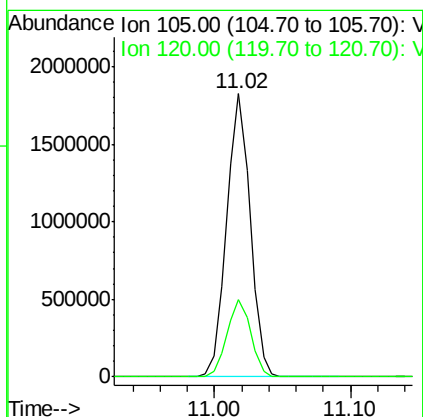
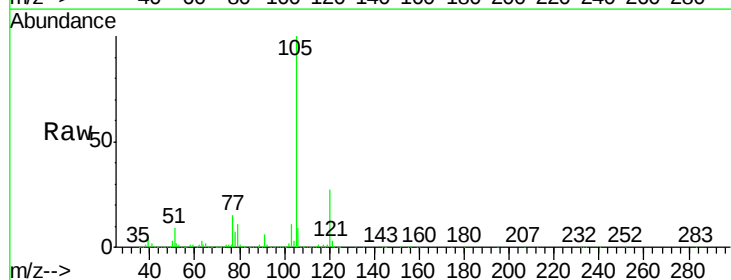
Manual Integrations
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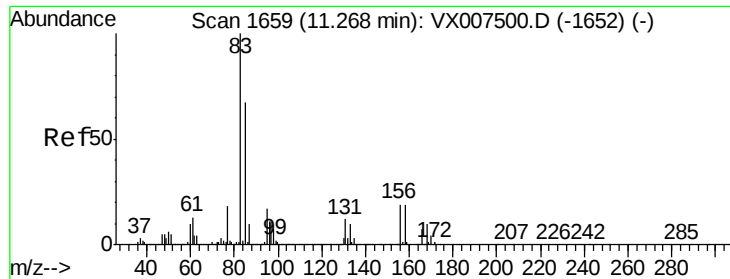
MMDadoda
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#70
Isopropylbenzene
Concen: 104.354 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX007502.D
Acq: 12 Feb 2019 23:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.6	19.8	36.8





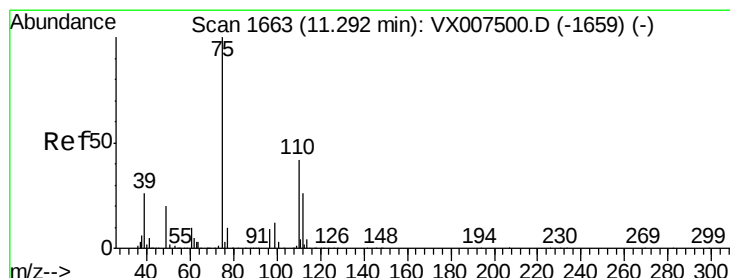
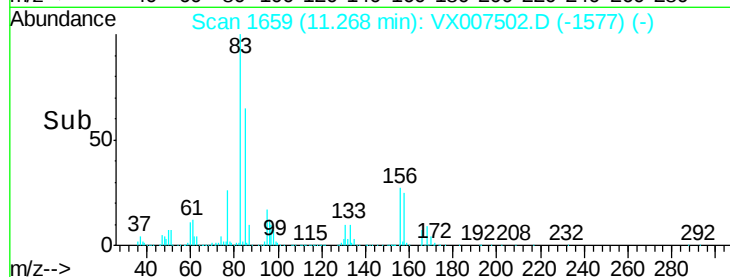
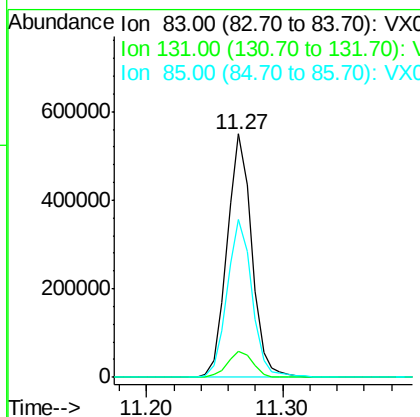
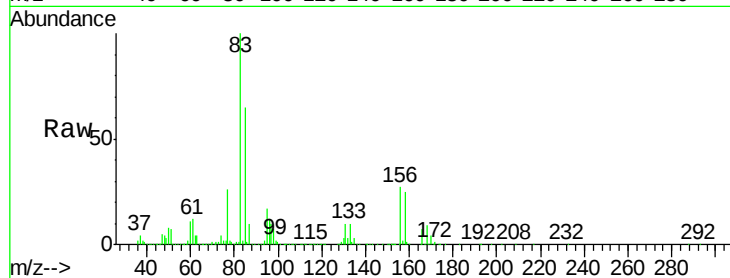
#71
 1,1,2,2-Tetrachloroethane
 Concen: 102.001 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX007502.D
 Acq: 12 Feb 2019 23:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	692812		
131	10.9	5.4	16.2	
85	65.3	32.8	98.4	

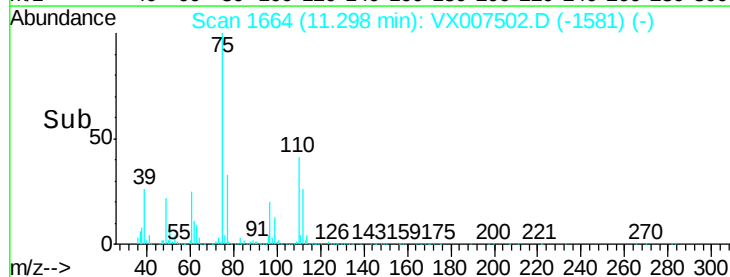
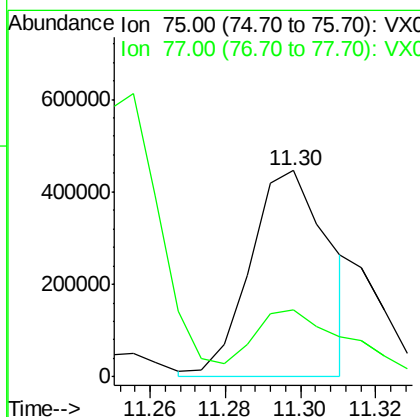
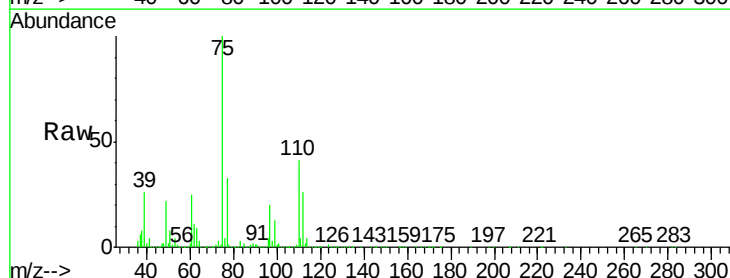
Manual Integrations
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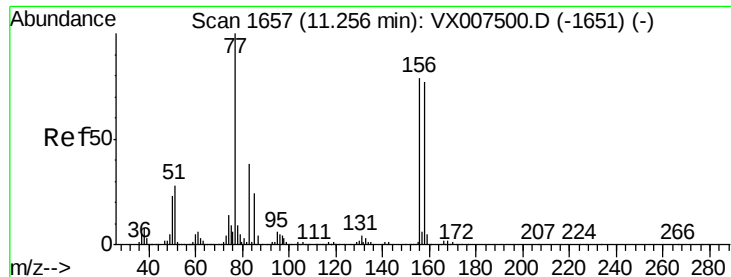
MMDadoda
 2/13/2019 11:52:49 AM



#72
 1,2,3-Trichloropropane
 Concen: 101.935 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.01 min
 Lab File: VX007502.D
 Acq: 12 Feb 2019 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	645547		
77	39.2	0.0	76.4	





#73

Bromobenzene

Concen: 101.940 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Instrument :

MSVOA_X

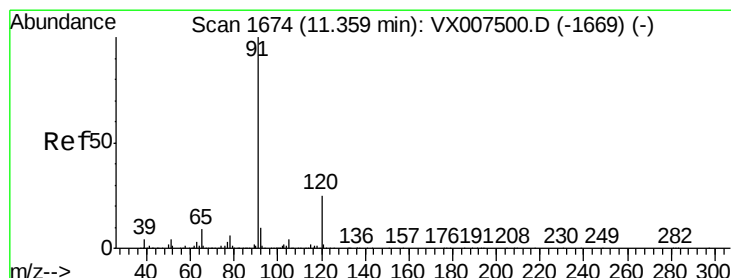
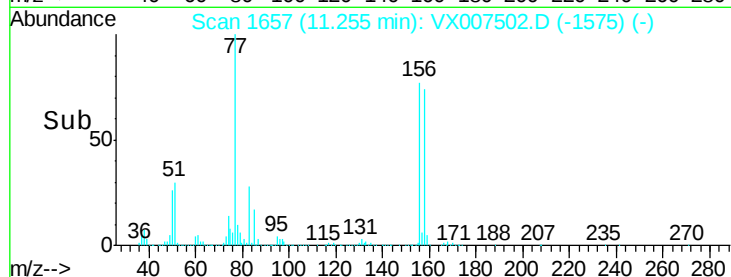
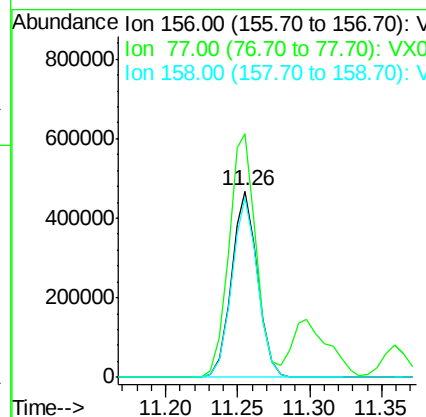
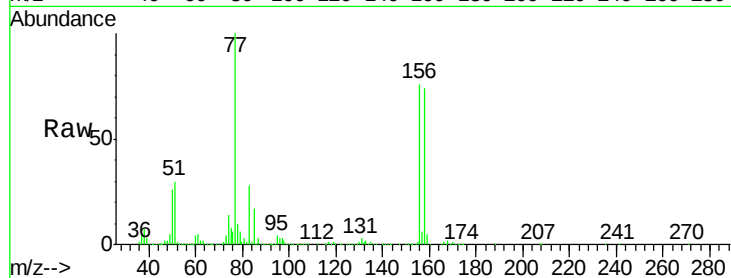
ClientSampleId :

VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
156	100	591738		
77	136.9	0.0	271.4	
158	96.0	0.0	194.0	

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#74

n-propylbenzene

Concen: 104.401 ug/l

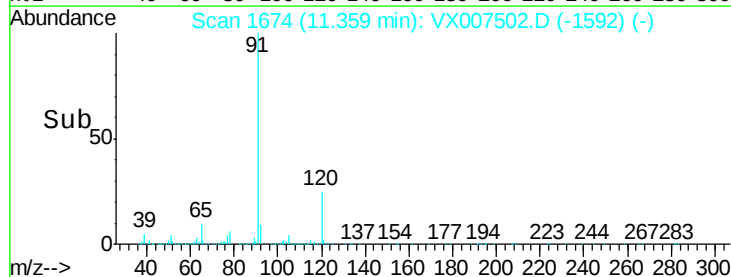
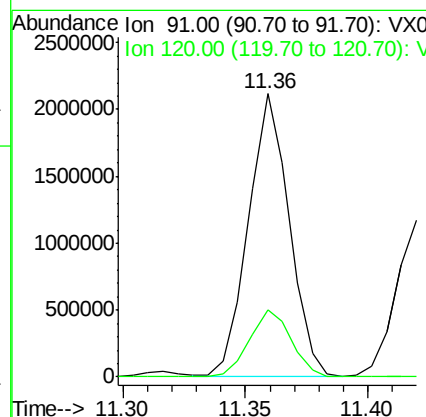
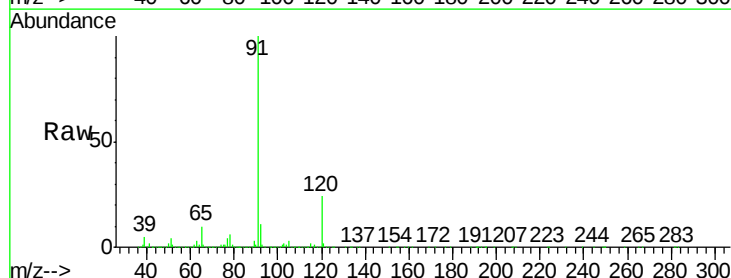
RT: 11.36 min Scan# 1674

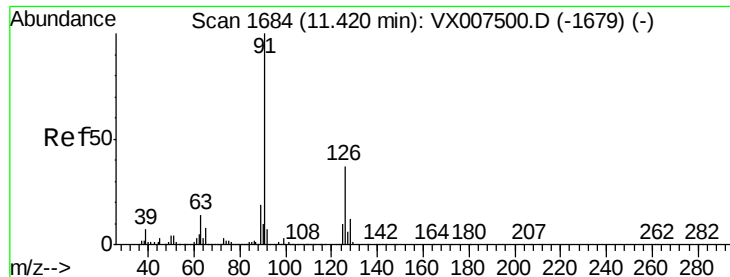
Delta R.T. -0.00 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	2457253		
120	24.3	0.0	48.6	





#75

2-Chlorotoluene

Concen: 102.300 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1429987

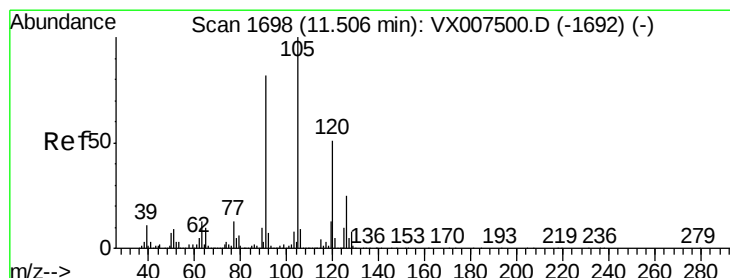
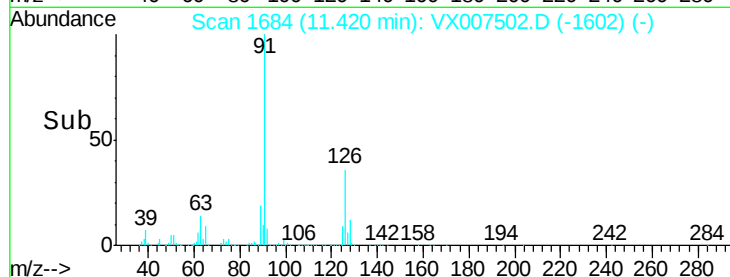
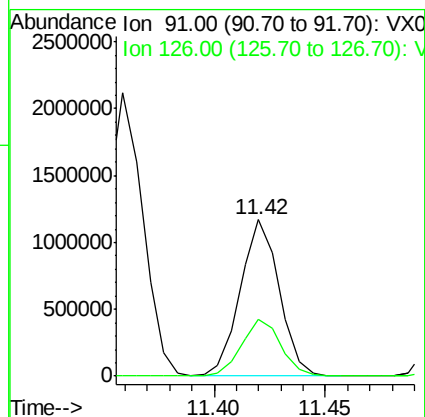
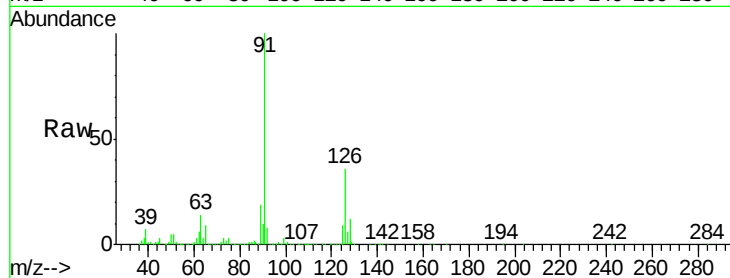
Ion Ratio Lower Upper

91 100

126 36.6 0.0 75.2

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#76

1,3,5-Trimethylbenzene

Concen: 102.750 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007502.D

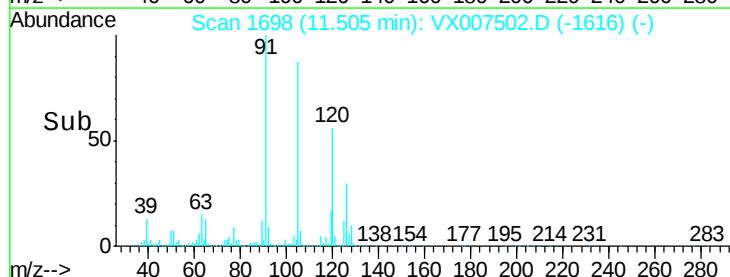
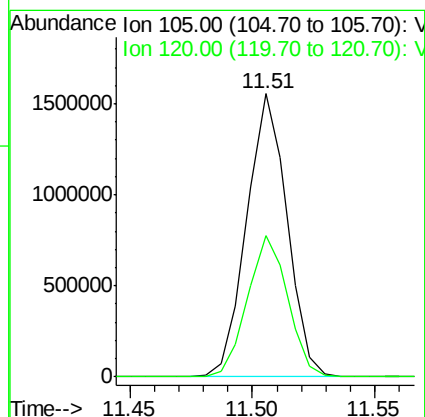
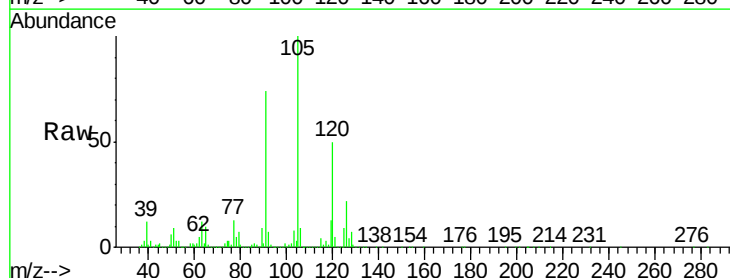
Acq: 12 Feb 2019 23:55

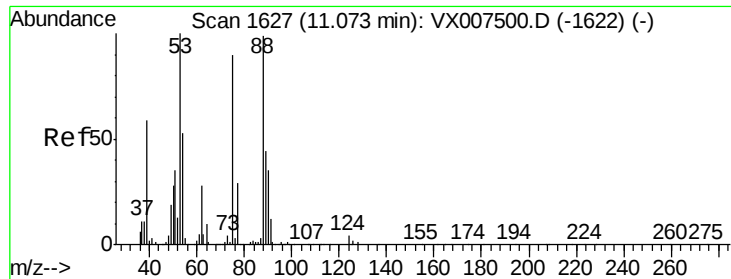
Tgt Ion: 105 Resp: 1791468

Ion Ratio Lower Upper

105 100

120 49.8 0.0 101.0





#77

t-1,4-Dichloro-2-butene

Concen: 113.448 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Instrument :

MSVOA_X

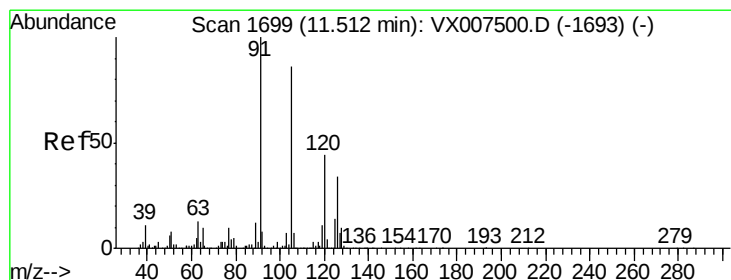
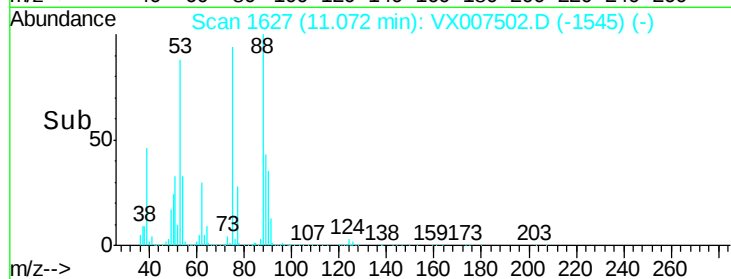
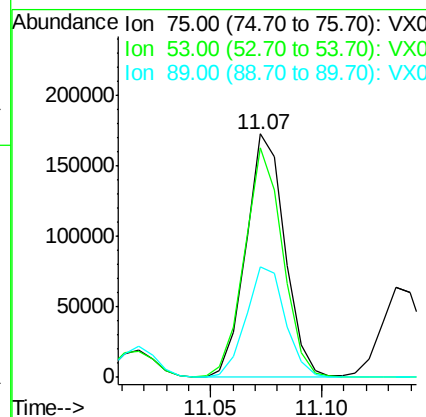
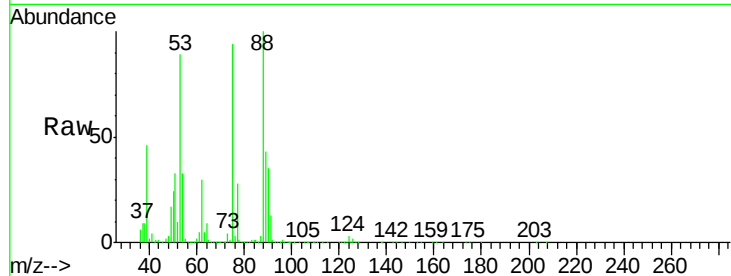
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	210302
Ion Ratio	Lower	Upper	
75	100		
53	94.2	55.5	166.7
89	45.4	24.4	73.2

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#78

4-Chlorotoluene

Concen: 102.996 ug/l

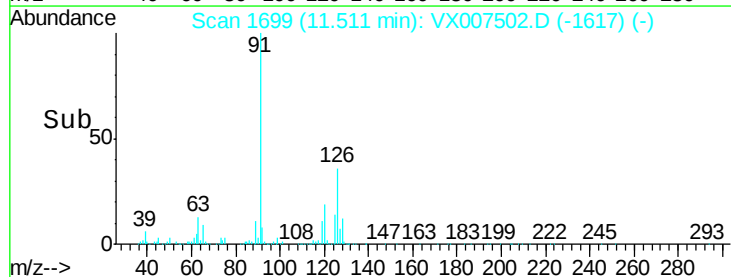
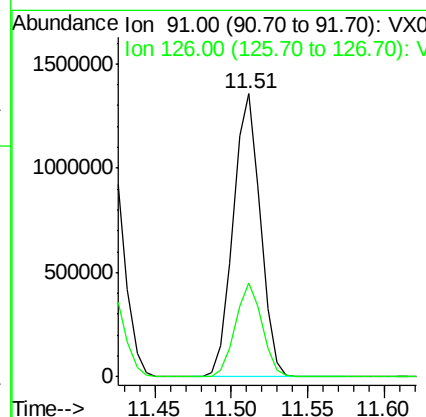
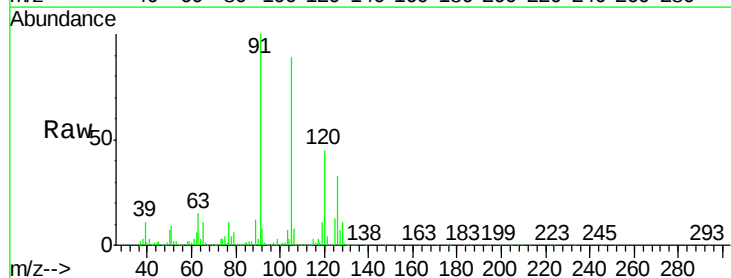
RT: 11.51 min Scan# 1699

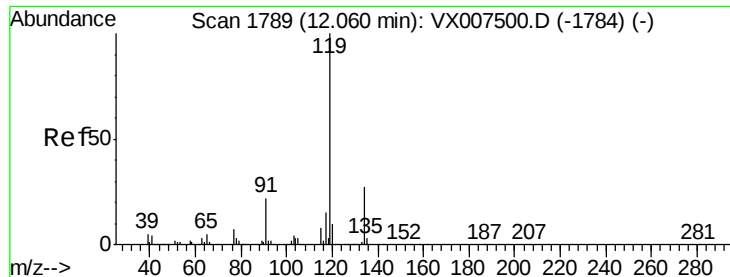
Delta R.T. -0.00 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Tgt Ion:	91	Resp:	1666453
Ion Ratio	Lower	Upper	
91	100		
126	32.3	0.0	66.2





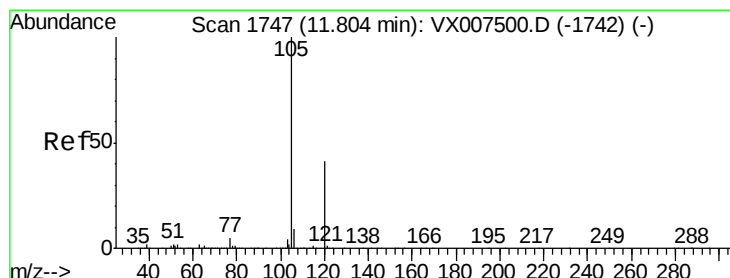
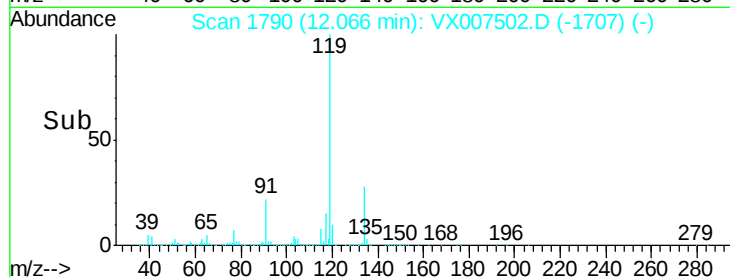
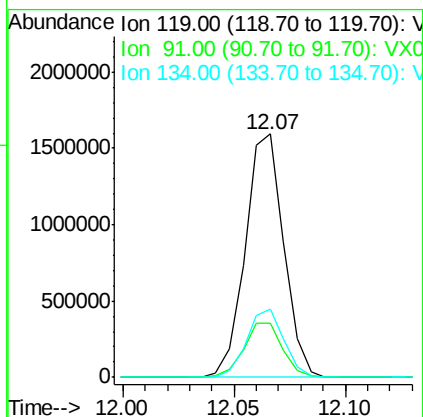
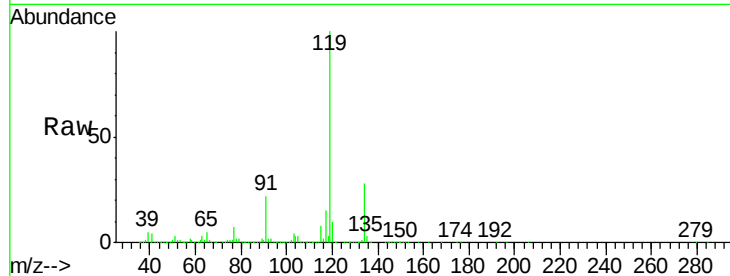
#79
tert-butylbenzene
Concen: 102.131 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. 0.01 min
Lab File: VX007502.D
Acq: 12 Feb 2019 23:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	1922926		
91	22.5	0.0	45.0	
134	27.2	0.0	55.4	

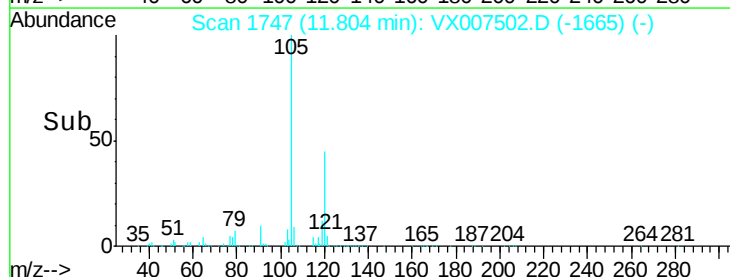
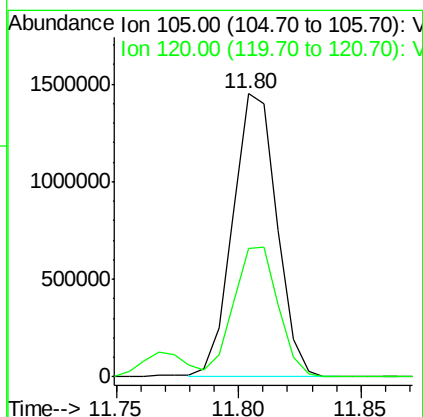
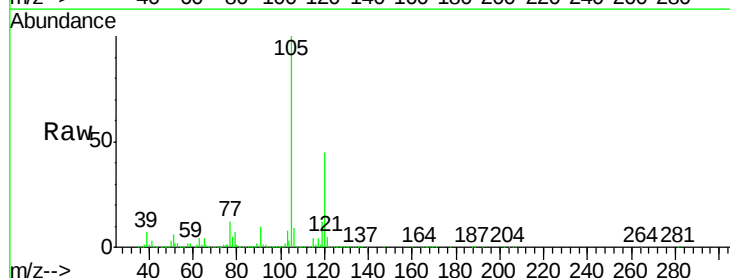
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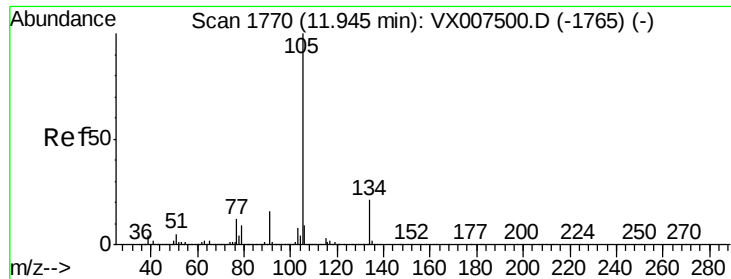
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#80
1,2,4-Trimethylbenzene
Concen: 102.476 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX007502.D
Acq: 12 Feb 2019 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1809041		
120	46.3	0.0	94.0	





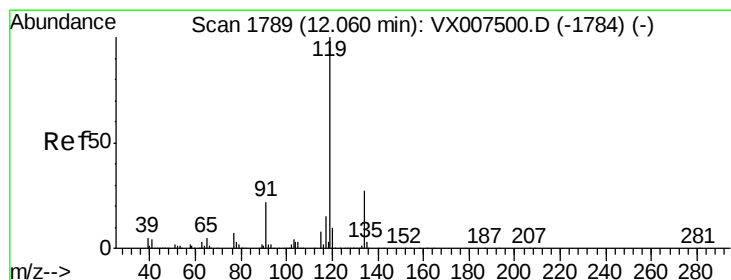
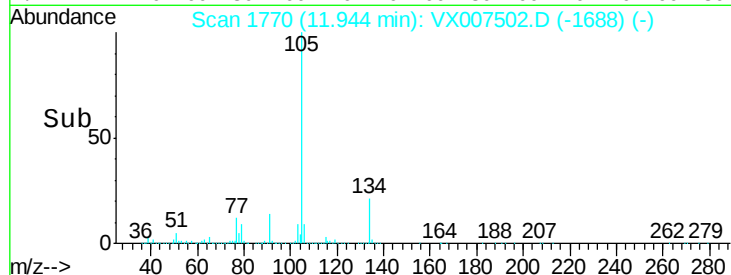
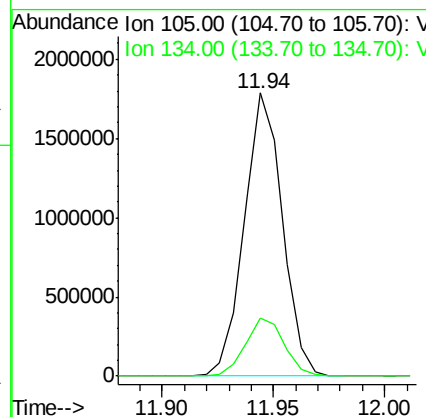
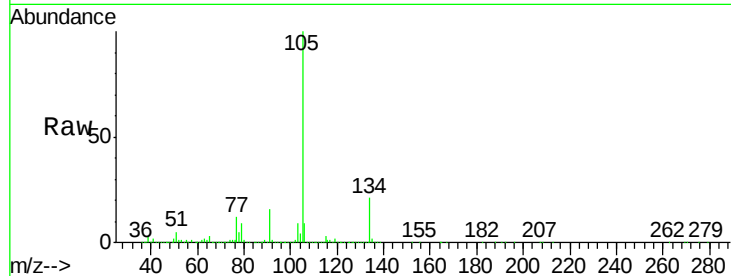
#81
 sec-Butylbenzene
 Concen: 101.691 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX007502.D
 Acq: 12 Feb 2019 23:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 2132086
 Ion Ratio Lower Upper
 105 100
 134 21.0 0.0 41.8

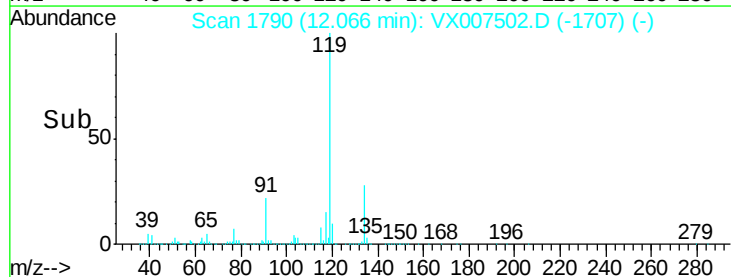
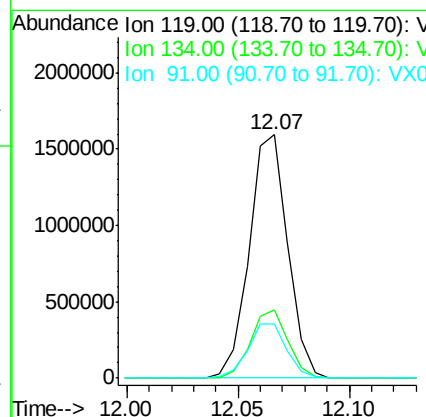
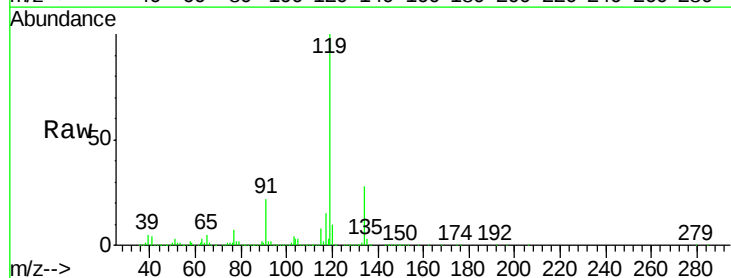
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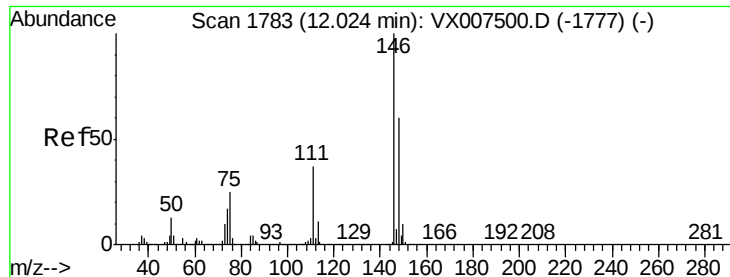
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#82
 p-Isopropyltoluene
 Concen: 102.131 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.01 min
 Lab File: VX007502.D
 Acq: 12 Feb 2019 23:55

Tgt Ion:119 Resp: 1922926
 Ion Ratio Lower Upper
 119 100
 134 27.2 0.0 55.4
 91 22.5 0.0 45.0





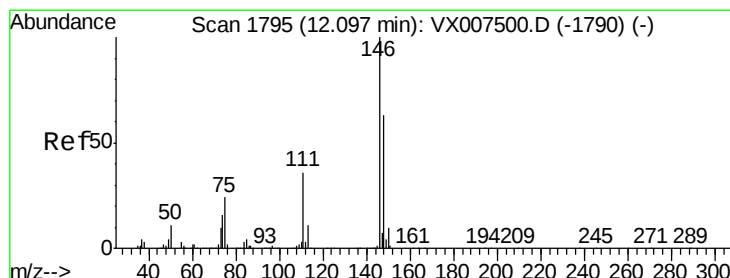
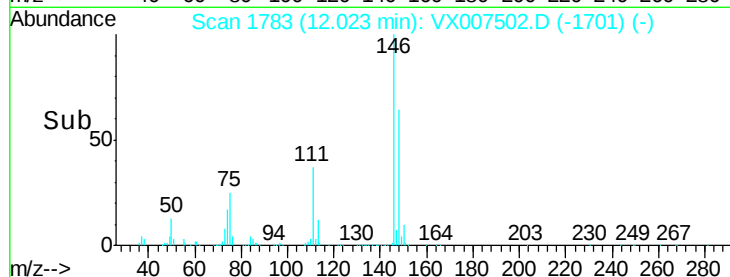
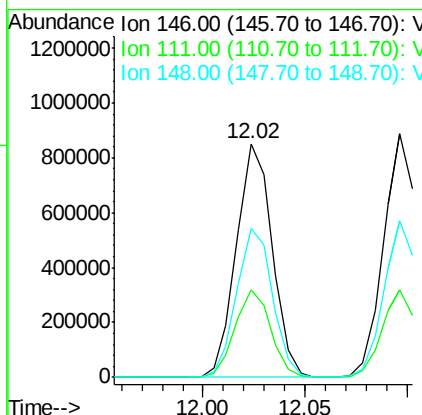
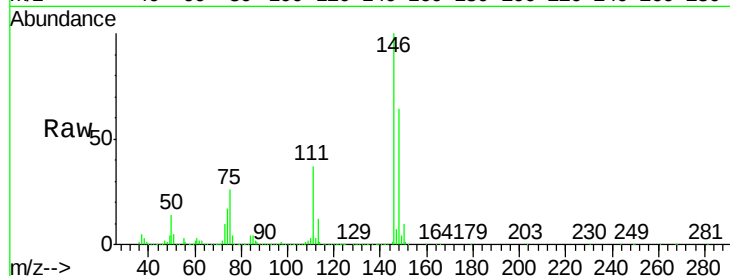
#83
 1,3-Dichlorobenzene
 Concen: 101.242 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007502.D
 Acq: 12 Feb 2019 23:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.8	56.3
148	63.8	30.6	91.8

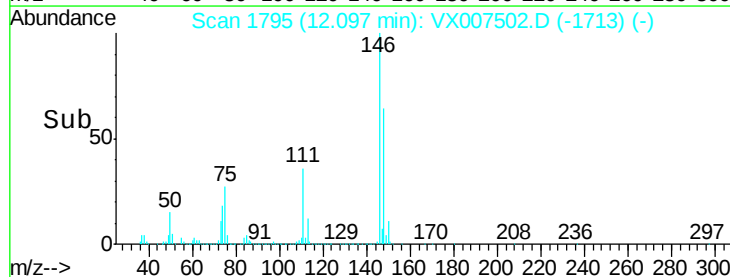
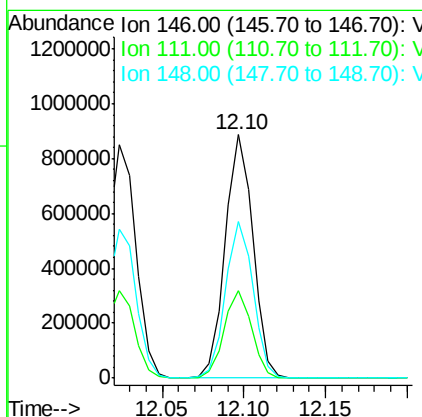
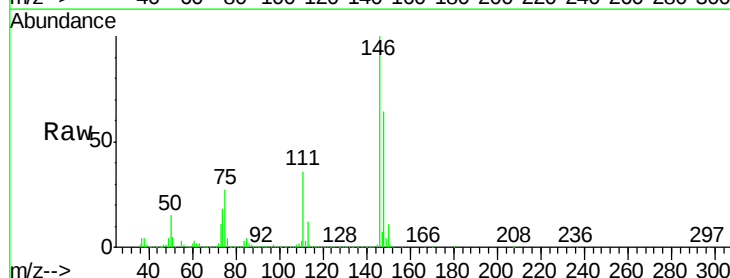
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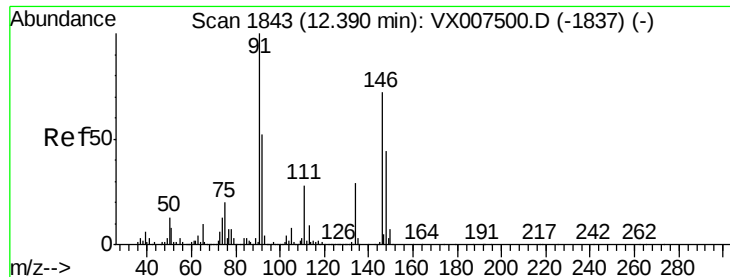
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#84
 1,4-Dichlorobenzene
 Concen: 102.127 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007502.D
 Acq: 12 Feb 2019 23:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	17.6	52.8
148	63.9	31.4	94.2





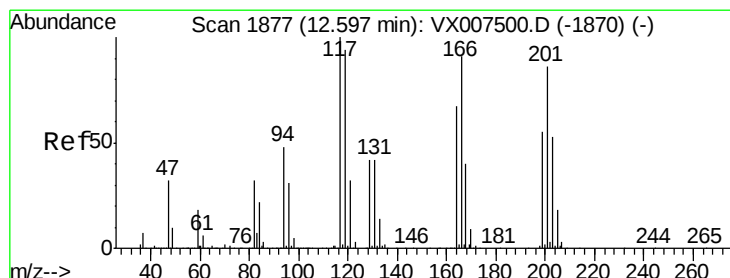
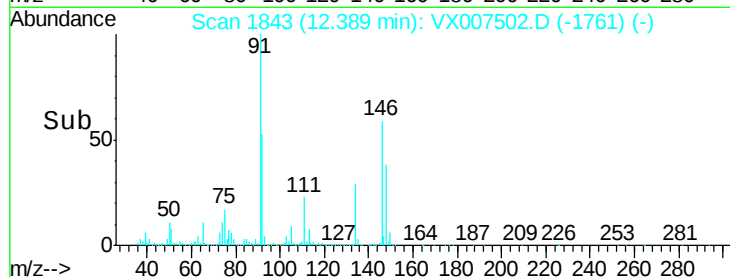
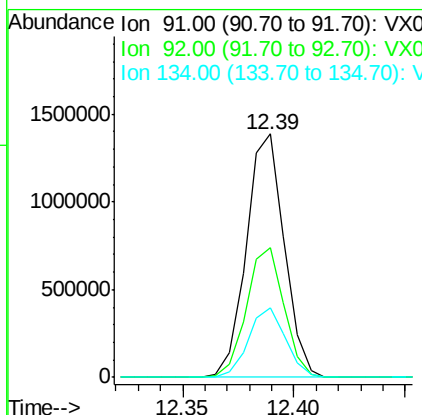
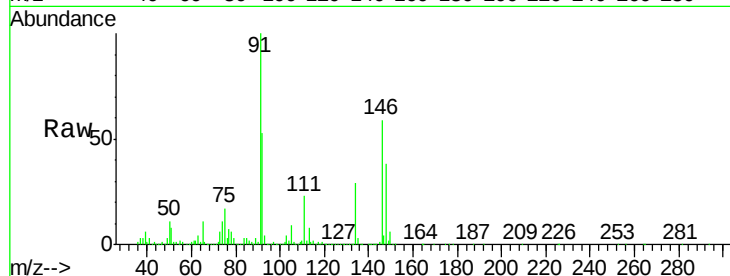
#85
n-Butylbenzene
Concen: 102.863 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX007502.D
Acq: 12 Feb 2019 23:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	0.0	105.2
134	27.9	0.0	56.4

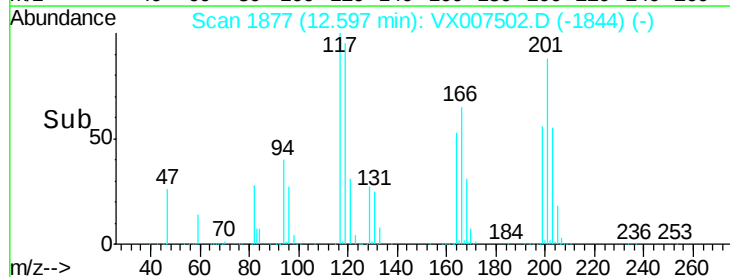
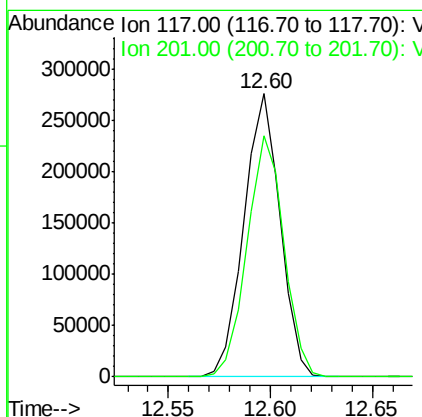
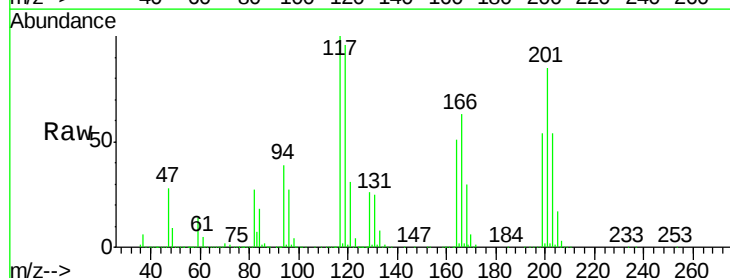
Manual Integrations
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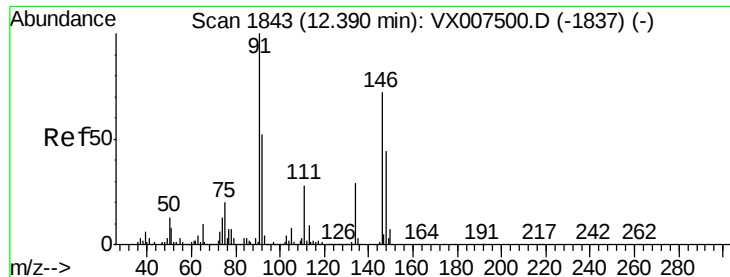
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#86
Hexachloroethane
Concen: 114.541 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX007502.D
Acq: 12 Feb 2019 23:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.8	41.1	123.3





#87

1,2-Dichlorobenzene

Concen: 100.851 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

Instrument :

MSVOA_X

ClientSampleID :

VSTDIC100

Tot Ion:146 Resp: 1036326

Ion Ratio Lower Upper

146 100

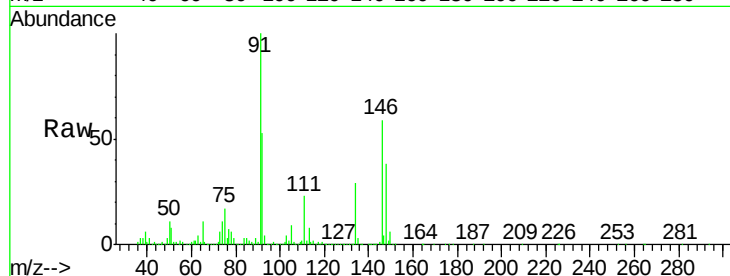
111 38.5 19.3 57.8

148 63.9 32.1 96.3

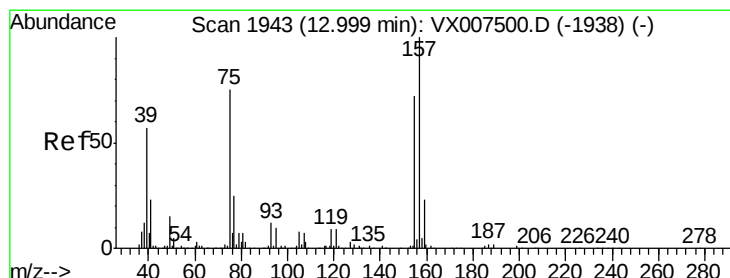
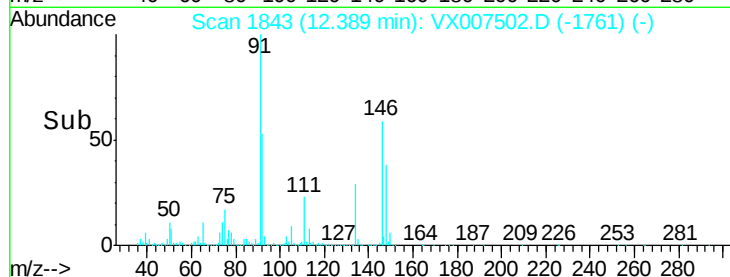
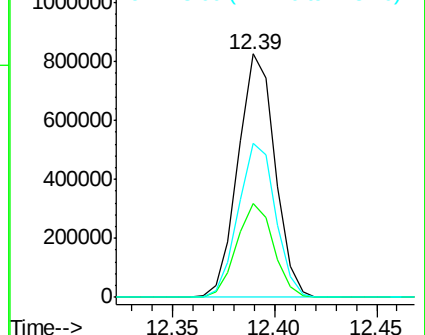
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 115.080 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX007502.D

Acq: 12 Feb 2019 23:55

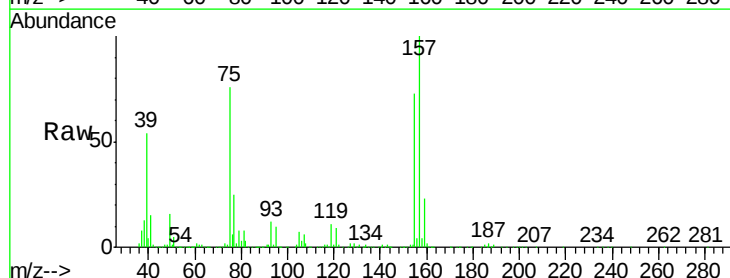
Tgt Ion: 75 Resp: 159734

Ion Ratio Lower Upper

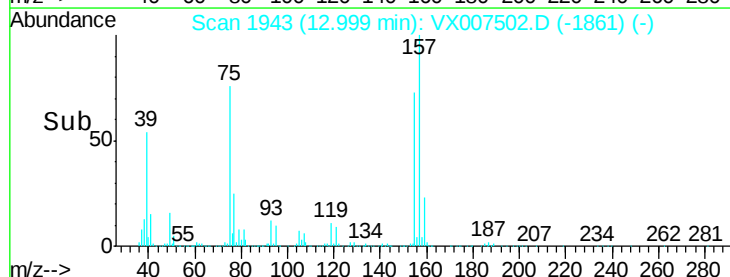
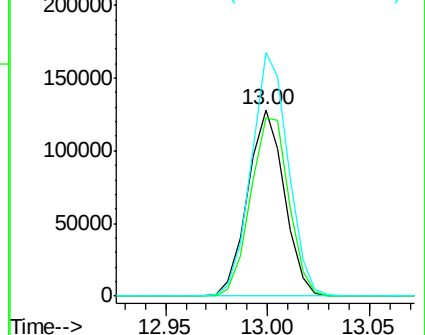
75 100

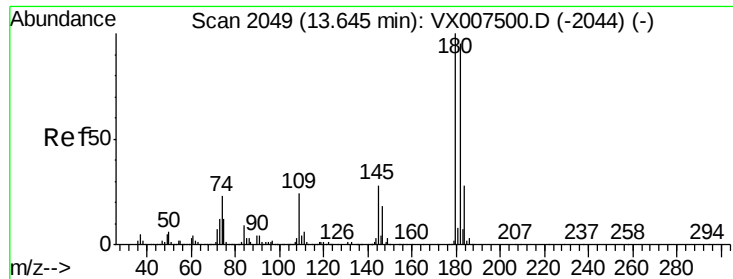
155 100.6 81.0 121.6

157 132.0 103.2 154.8



Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 155.00 (154.70 to 155.70): V
Ion 157.00 (156.70 to 157.70): V





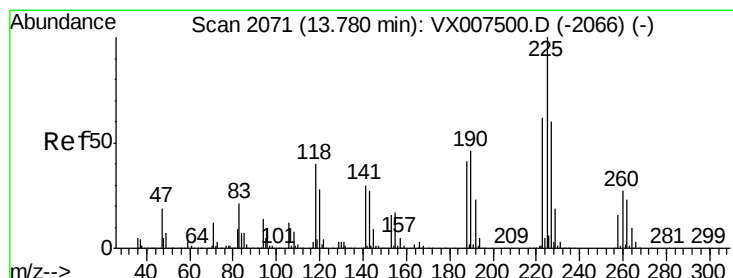
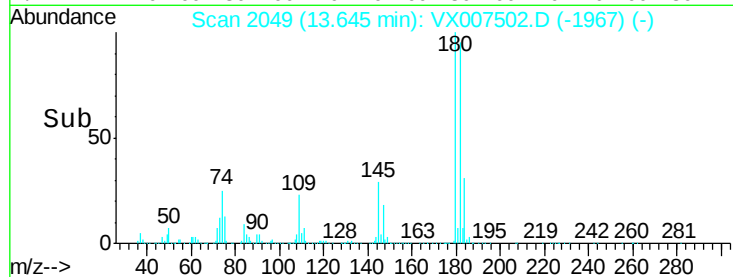
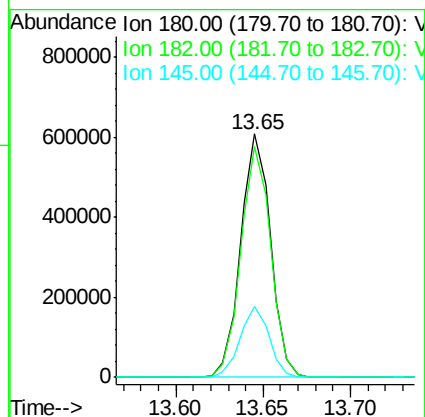
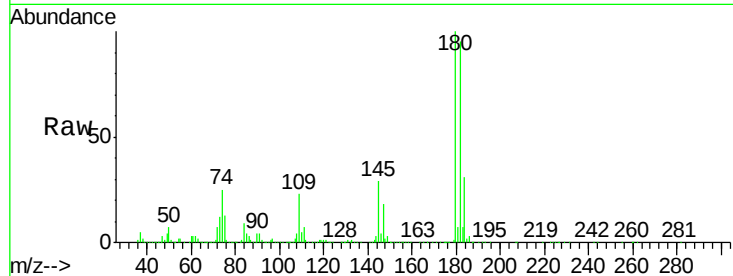
#89
 1,2,4-Trichlorobenzene
 Concen: 103.133 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007502.D
 Acq: 12 Feb 2019 23:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	720282		
182	95.0		75.6	113.4
145	28.7		23.0	34.6

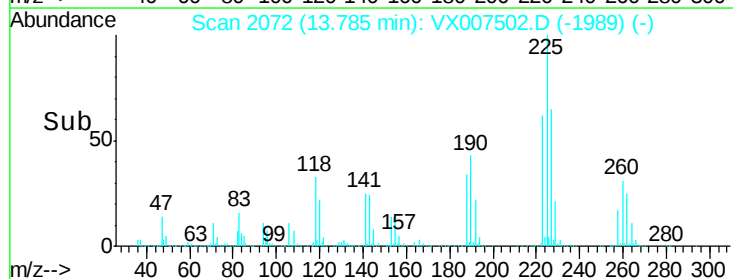
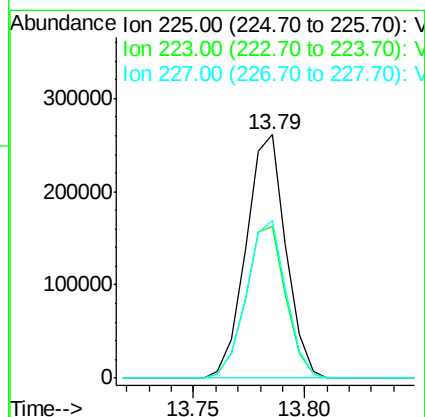
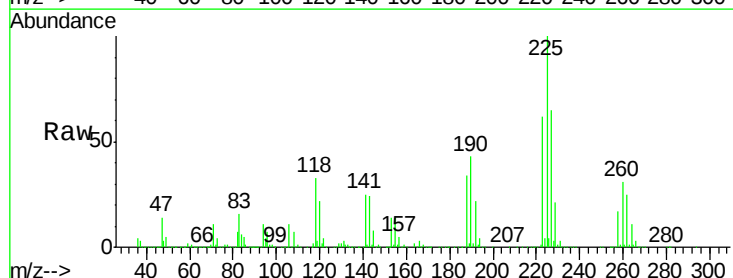
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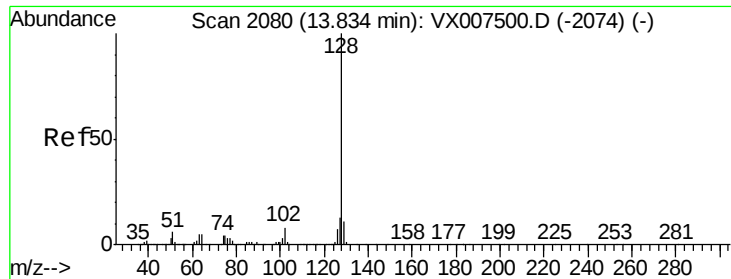
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#90
 Hexachlorobutadiene
 Concen: 97.810 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VX007502.D
 Acq: 12 Feb 2019 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	325289		
223	62.8		0.0	123.8
227	64.7		0.0	124.4





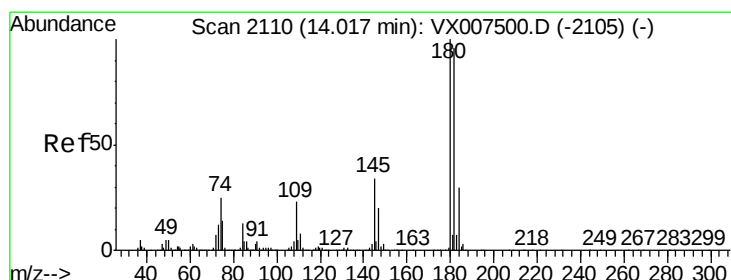
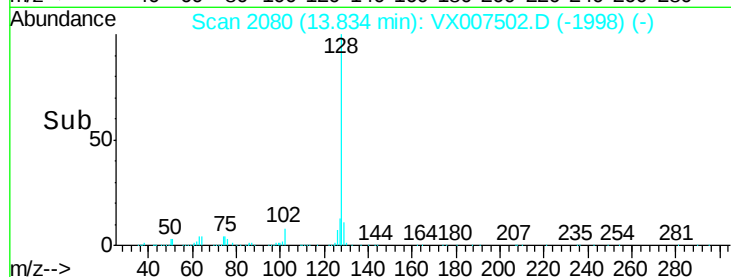
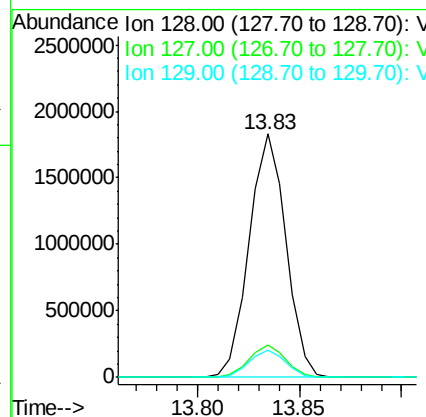
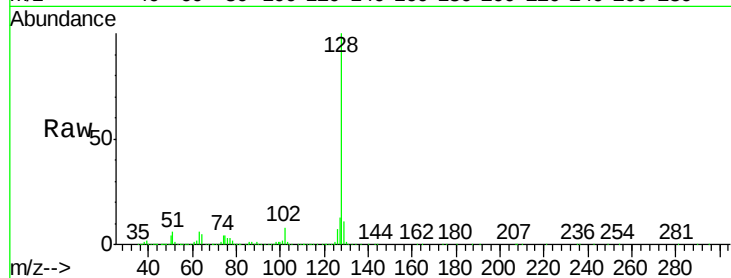
#91
Naphthalene
Concen: 107.427 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX007502.D
Acq: 12 Feb 2019 23:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.0	8.9	13.3

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#92
1,2,3-Trichlorobenzene
Concen: 104.325 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX007502.D
Acq: 12 Feb 2019 23:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	0.0	193.0
145	30.1	0.0	63.0

