

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031119\
 Data File : VX007994.D
 Acq On : 12 Mar 2019 04:54
 Operator : JC/SP
 Sample : VX0311WBS03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS03

Manual Integrations
 APPROVED

MMDadoda
 3/12/2019 3:24:01 PM

Quant Time: Mar 12 09:33:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	230547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	345967	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	300497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	148164	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	129204	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
35) Dibromofluoromethane	5.50	113	113324	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
50) Toluene-d8	8.71	98	414295	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
62) 4-Bromofluorobenzene	11.13	95	145231	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	36900	18.734	ug/l	99
3) Chloromethane	1.33	50	50996	20.090	ug/l	99
4) Vinyl Chloride	1.41	62	51010	20.225	ug/l	98
5) Bromomethane	1.64	94	28887	23.816	ug/l	98
6) Chloroethane	1.73	64	34237	20.434	ug/l	97
7) Trichlorofluoromethane	1.93	101	65740	20.020	ug/l	96
8) Diethyl Ether	2.19	74	30145	21.200	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	39055	19.192	ug/l	98
10) Methyl Iodide	2.51	142	60432	20.933	ug/l	99
11) Tert butyl alcohol	3.07	59	61160	112.450	ug/l	99
12) 1,1-Dichloroethene	2.38	96	39916	20.350	ug/l	98
13) Acrolein	2.30	56	27195	89.352	ug/l	98
14) Allyl chloride	2.73	41	78038	18.933	ug/l	99
15) Acrylonitrile	3.15	53	141670	103.196	ug/l	99
16) Acetone	2.45	43	116840	83.001	ug/l	99
17) Carbon Disulfide	2.57	76	116808	19.334	ug/l	99
18) Methyl Acetate	2.78	43	65978	22.062	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	147536	21.863	ug/l	99
20) Methylene Chloride	2.86	84	46682	20.837	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	42829	19.844	ug/l	98
22) Diisopropyl ether	3.87	45	155610	20.595	ug/l	99
23) Vinyl Acetate	3.82	43	649516	98.030	ug/l	98
24) 1,1-Dichloroethane	3.70	63	83624	20.566	ug/l	100
25) 2-Butanone	4.70	43	192196	96.439	ug/l	100
26) 2,2-Dichloropropane	4.59	77	39950	14.830	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	50668	20.516	ug/l	96
28) Bromochloromethane	5.02	49	39972	21.087	ug/l	98
29) Tetrahydrofuran	5.15	42	128761	103.579	ug/l	99
30) Chloroform	5.21	83	80196	20.851	ug/l	99
31) Cyclohexane	5.57	56	69803	18.679	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	65972	20.673	ug/l	99
36) 1,1-Dichloropropene	5.80	75	58140	18.559	ug/l	99
37) Ethyl Acetate	4.85	43	71757	19.302	ug/l	98
38) Carbon Tetrachloride	5.78	117	56918	19.138	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	66712	17.575	ug/l	99
40) Benzene	6.15	78	187605	20.116	ug/l	100
41) Methacrylonitrile	5.06	41	41540	20.495	ug/l	99
42) 1,2-Dichloroethane	6.20	62	61766	20.252	ug/l	100
43) Isopropyl Acetate	6.46	43	109721	19.943	ug/l	99
44) Trichloroethene	7.21	130	51683	20.109	ug/l	100
45) 1,2-Dichloropropane	7.51	63	50405	20.463	ug/l	98
46) Dibromomethane	7.66	93	32025	20.544	ug/l	99
47) Bromodichloromethane	7.90	83	57288	19.384	ug/l	98
48) Methyl methacrylate	7.77	41	57770	19.972	ug/l	98
49) 1,4-Dioxane	7.75	88	24112	405.785	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	362882	102.561	ug/l	99
52) Toluene	8.78	92	114755	20.154	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	57595	18.671	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	66292	19.030	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	48740	21.146	ug/l	98
56) Ethyl methacrylate	9.18	69	71403	20.632	ug/l	98
57) 1,3-Dichloropropane	9.37	76	79918	20.650	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	197174	110.144	ug/l	99
59) 2-Hexanone	9.49	43	273295	99.489	ug/l	100
60) Dibromochloromethane	9.58	129	48558	20.155	ug/l	99
61) 1,2-Dibromoethane	9.67	107	50378	20.586	ug/l	99
64) Tetrachloroethene	9.34	164	52744	21.181	ug/l	98
65) Chlorobenzene	10.13	112	124834	19.852	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	45870	20.354	ug/l	99
67) Ethyl Benzene	10.25	91	204567	19.763	ug/l	100
68) m/p-Xylenes	10.36	106	157239	39.411	ug/l	99
69) o-Xylene	10.69	106	77309	20.070	ug/l	100
70) Styrene	10.71	104	127459	20.221	ug/l	100
71) Bromoform	10.85	173	37407	19.328	ug/l #	99
73) Isopropylbenzene	11.02	105	205436	20.501	ug/l	100
74) N-amyl acetate	10.90	43	91462	19.993	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	70698	20.454	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	67654m	21.760	ug/l	
77) Bromobenzene	11.26	156	56254	20.476	ug/l	98
78) n-propylbenzene	11.36	91	221372	19.914	ug/l	100
79) 2-Chlorotoluene	11.42	91	136760	20.121	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	168456	20.425	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	17557	18.051	ug/l	95
82) 4-Chlorotoluene	11.51	91	155005	19.900	ug/l	100
83) tert-Butylbenzene	11.77	119	164122	19.756	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	172751	20.433	ug/l	99
85) sec-Butylbenzene	11.94	105	196852	20.119	ug/l	99
86) p-Isopropyltoluene	12.06	119	177111	20.212	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	96312	19.816	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	96536	19.395	ug/l	99
89) n-Butylbenzene	12.38	91	139048	18.730	ug/l	100
90) Hexachloroethane	12.60	117	27691	18.901	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	96865	20.062	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14341	19.853	ug/l	99

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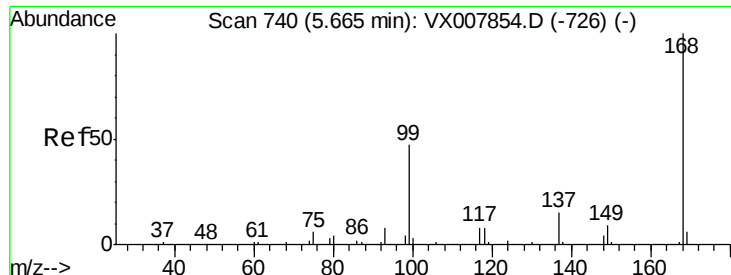
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	66038	19.469	ug/l	99
94) Hexachlorobutadiene	13.78	225	34213	19.293	ug/l	98
95) Naphthalene	13.83	128	201723	20.640	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	67172	19.880	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS03

Tgt Ion:168 Resp: 230547

Ion Ratio Lower Upper

168 100

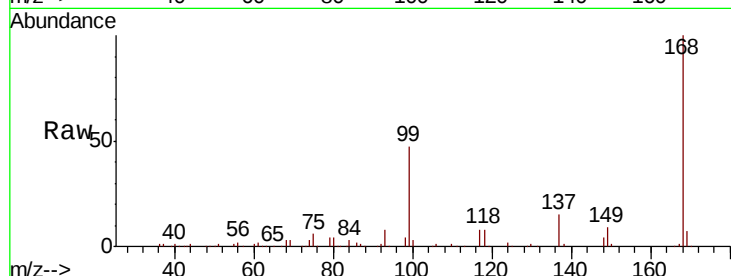
99 47.0 37.6 56.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

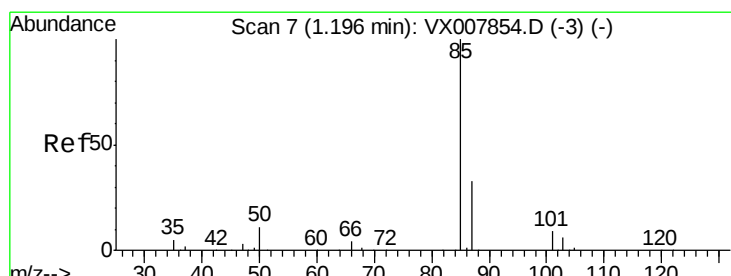
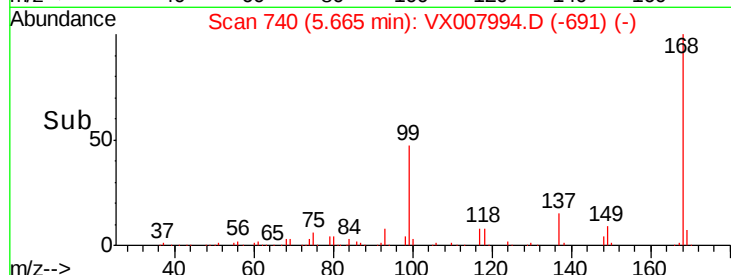
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.734 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007994.D

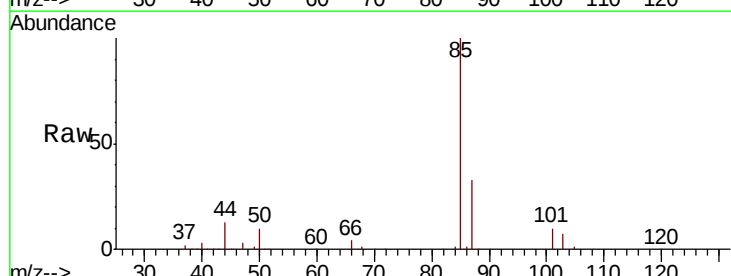
Acq: 12 Mar 2019 04:54

Tgt Ion: 85 Resp: 36900

Ion Ratio Lower Upper

85 100

87 33.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

40000

30000

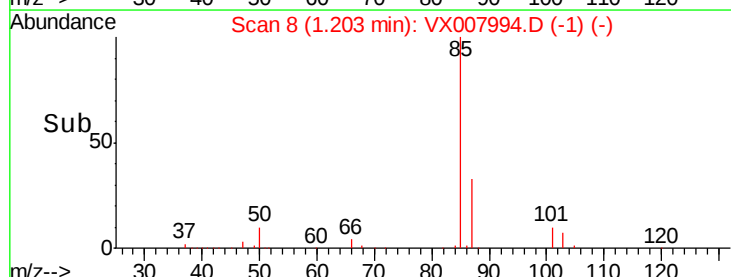
20000

10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 20.090 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS03

Tgt Ion: 50 Resp: 50996

Ion Ratio Lower Upper

50 100

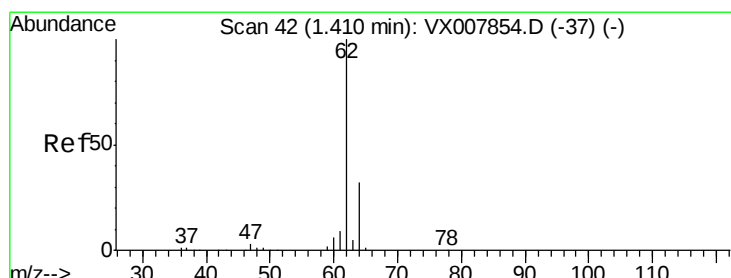
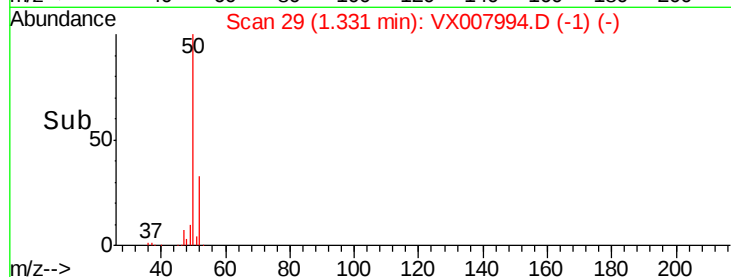
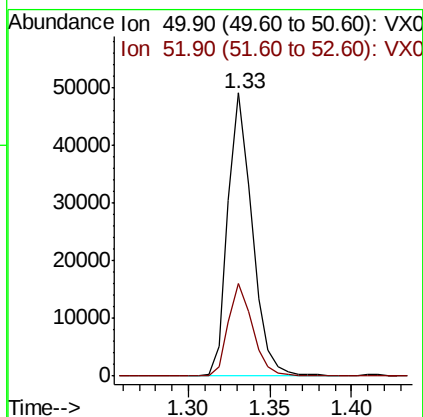
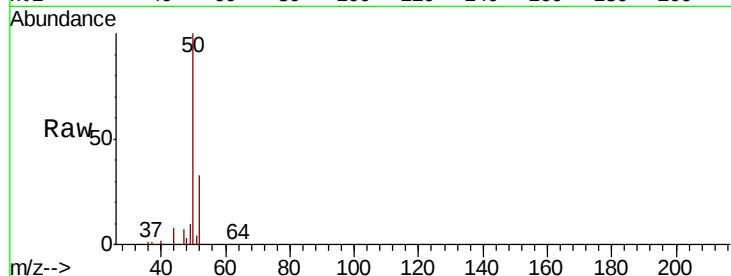
52 32.8 26.5 39.7

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#4

Vinyl Chloride

Concen: 20.225 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007994.D

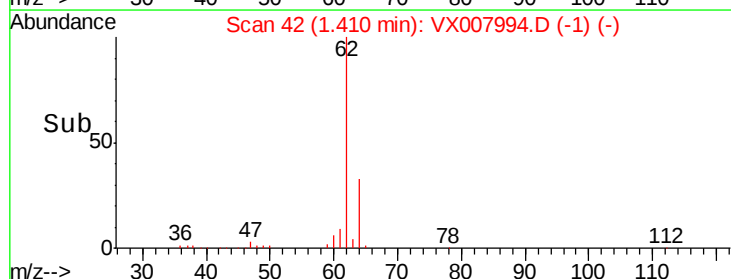
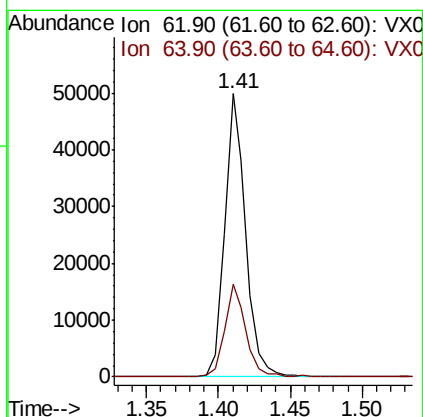
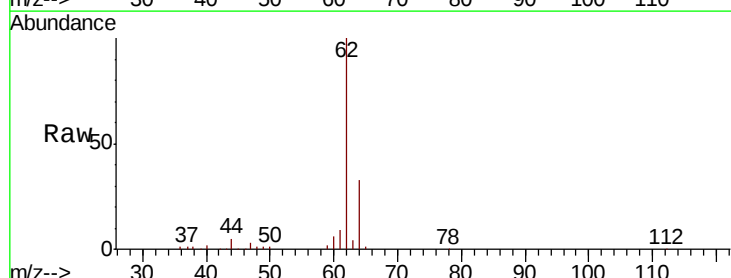
Acq: 12 Mar 2019 04:54

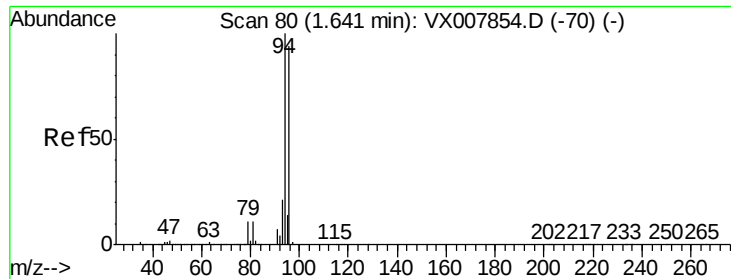
Tgt Ion: 62 Resp: 51010

Ion Ratio Lower Upper

62 100

64 32.5 25.3 37.9





#5

Bromomethane

Concen: 23.816 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS03

Tgt Ion: 94 Resp: 28887

Ion Ratio Lower Upper

94 100

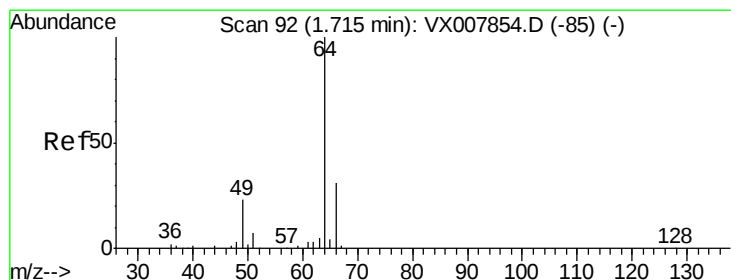
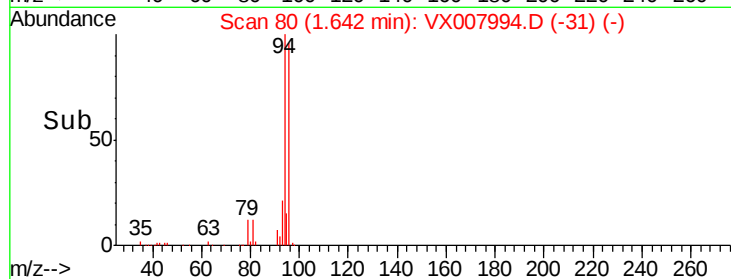
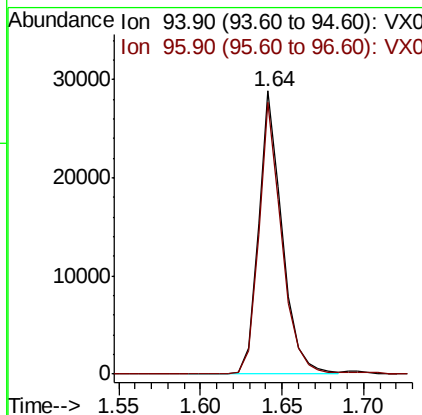
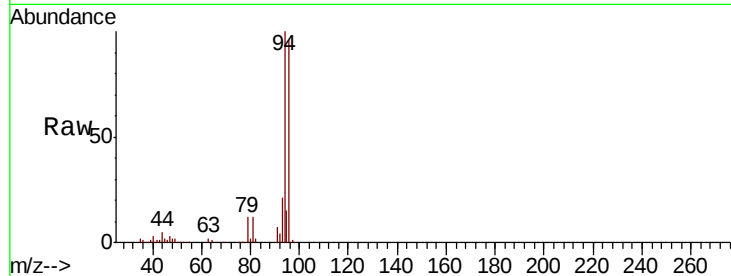
96 96.0 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 20.434 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007994.D

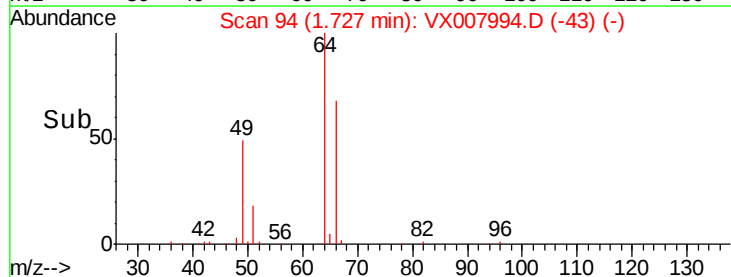
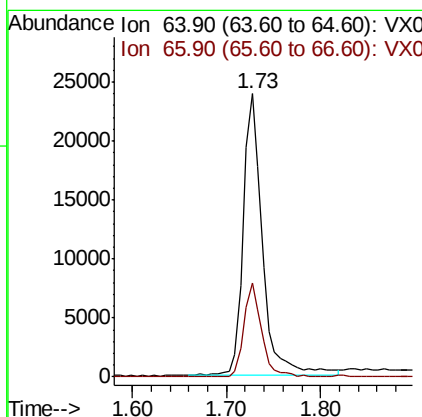
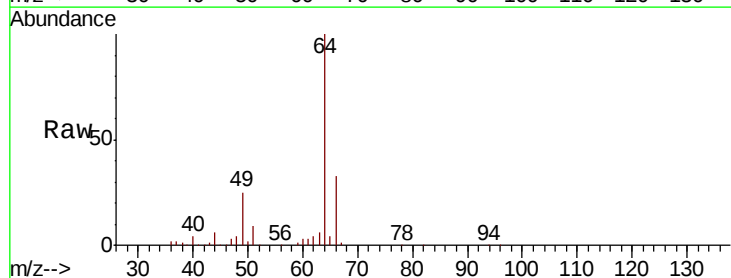
Acq: 12 Mar 2019 04:54

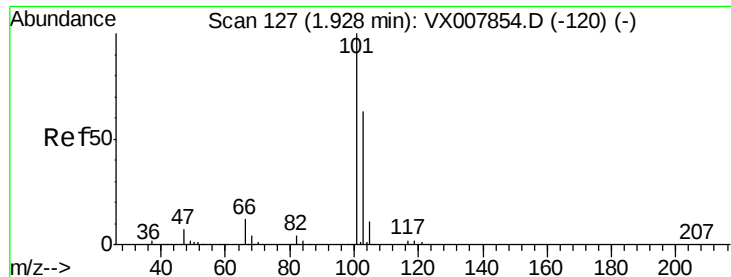
Tgt Ion: 64 Resp: 34237

Ion Ratio Lower Upper

64 100

66 33.4 25.2 37.8





#7

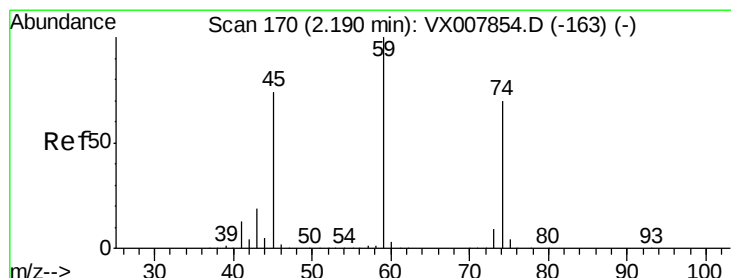
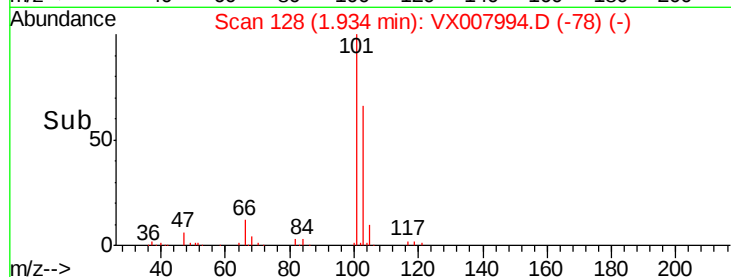
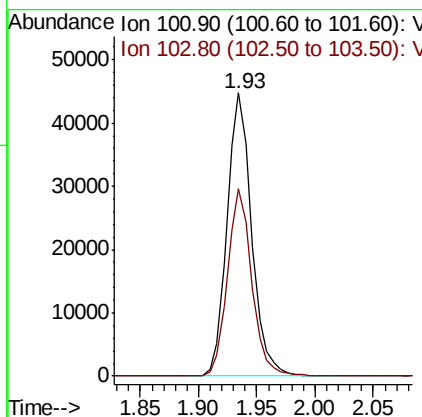
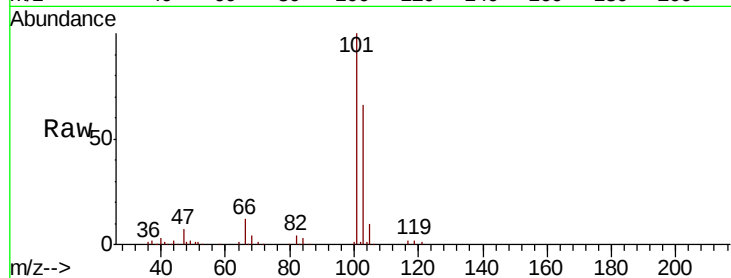
Trichlorofluoromethane
Concen: 20.020 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Instrument :
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ClientSampleId :
VX0311WBS03

Tgt Ion: 101 Resp: 65740
Ion Ratio Lower Upper
101 100
103 66.0 50.4 75.6

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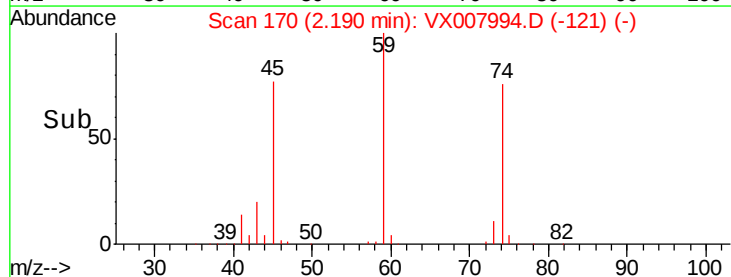
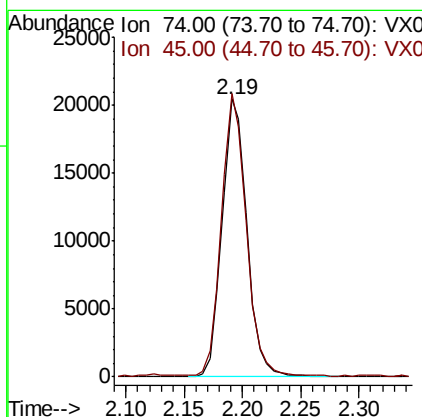
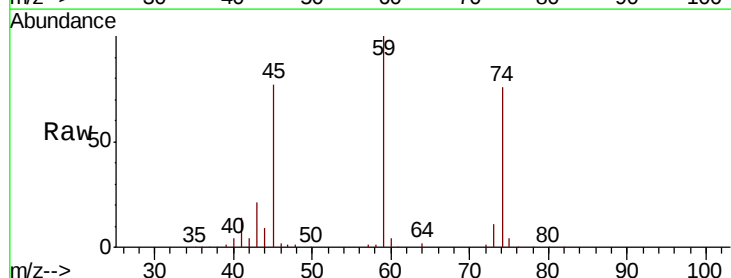
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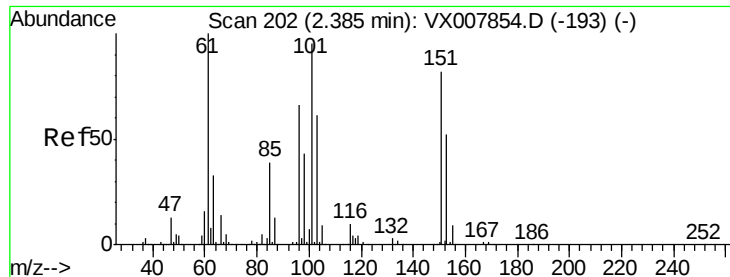


#8

Diethyl Ether
Concen: 21.200 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Tgt Ion: 74 Resp: 30145
Ion Ratio Lower Upper
74 100
45 100.1 52.1 156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.192 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Instrument :

MSVOA_X

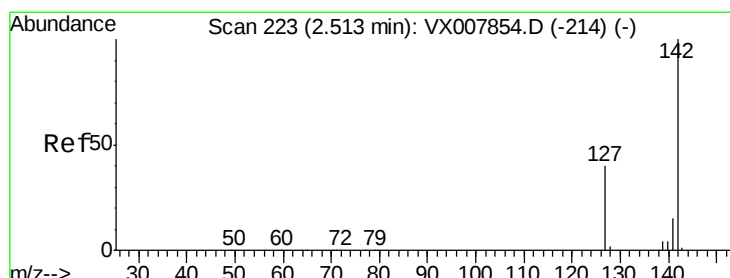
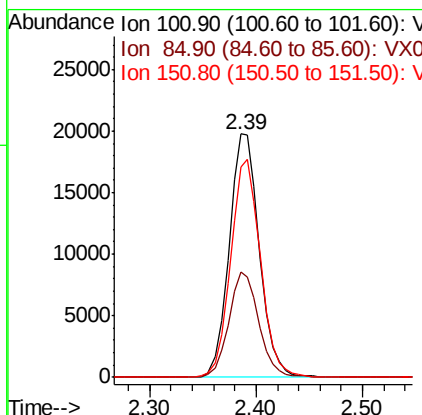
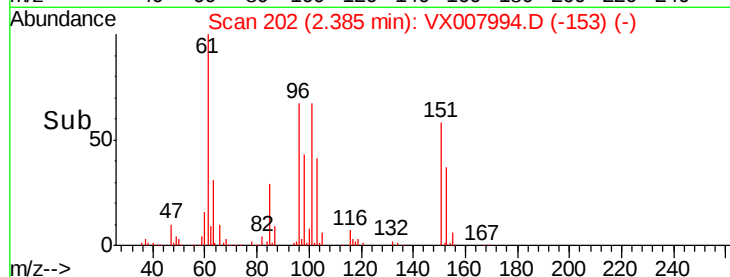
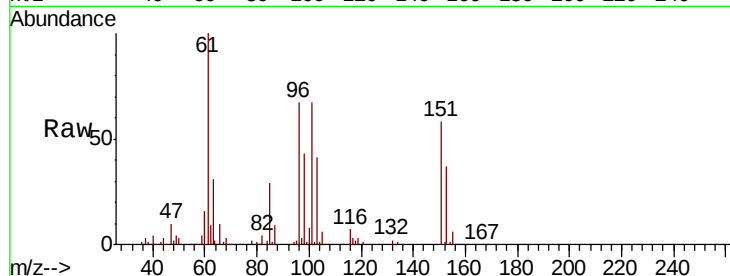
ClientSampleId :

VX0311WBS03

Tgt Ion:	101	Resp:	39055
Ion Ratio	Lower	Upper	
101	100		
85	43.0	33.8	50.6
151	89.0	69.1	103.7

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#10

Methyl Iodide

Concen: 20.933 ug/l

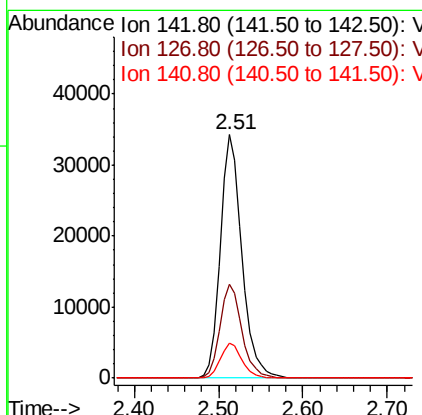
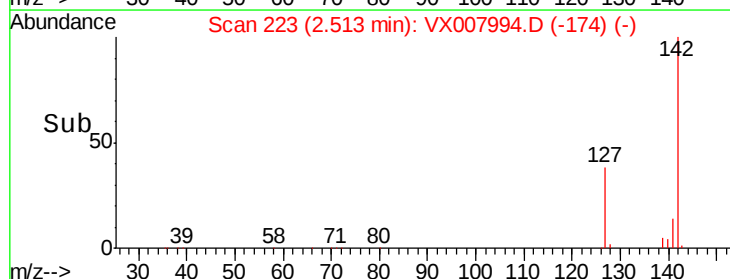
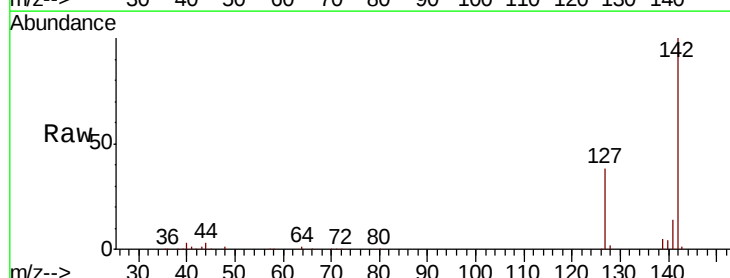
RT: 2.51 min Scan# 223

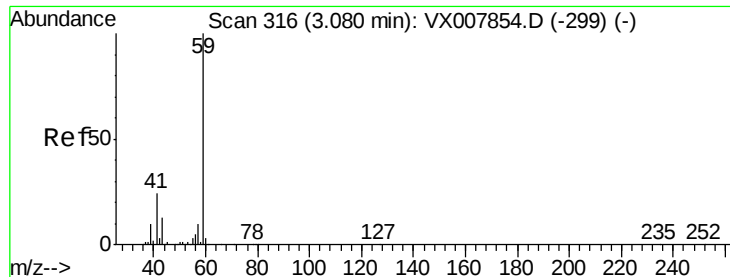
Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Tgt Ion:	142	Resp:	60432
Ion Ratio	Lower	Upper	
142	100		
127	39.2	32.1	48.1
141	14.4	11.4	17.2





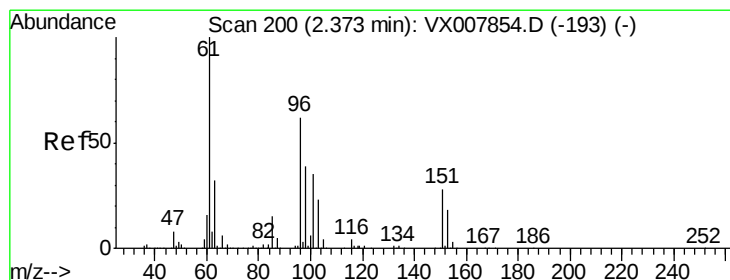
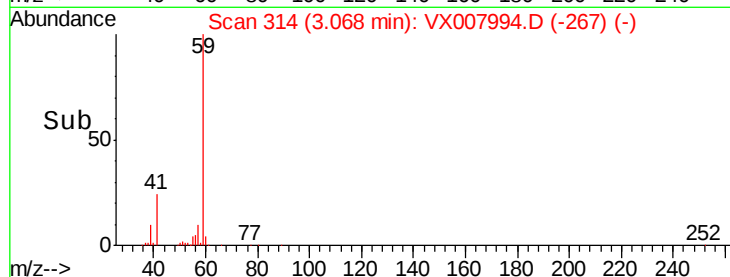
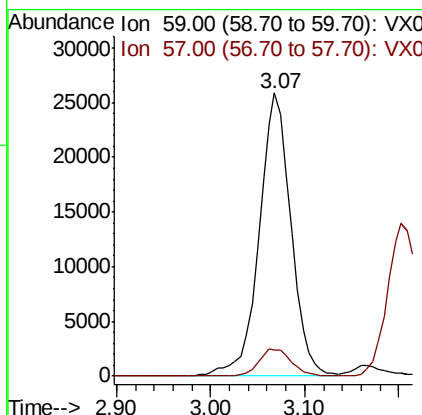
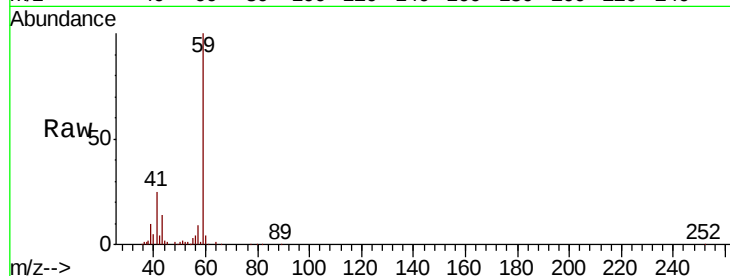
#11
Tert butyl alcohol
Concen: 112.450 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS03

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.2

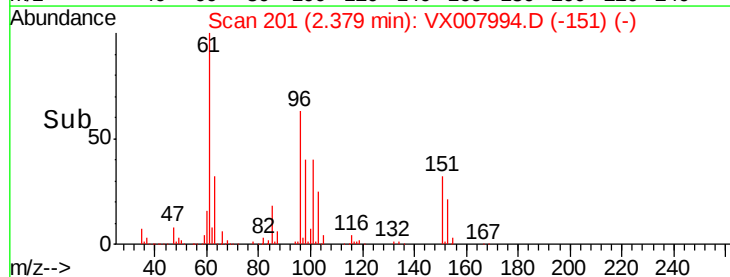
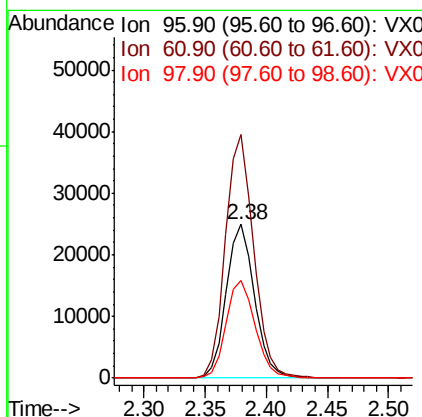
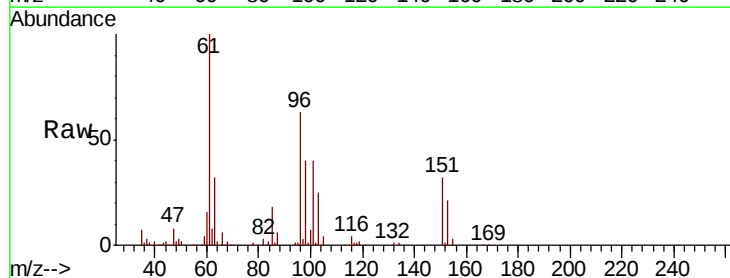
Manual Integrations
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#12
1,1-Dichloroethene
Concen: 20.350 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.6	129.8	194.6
98	64.0	51.0	76.6





#13

Acrolein

Concen: 89.352 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS03

Tgt Ion: 56 Resp: 27195

Ion Ratio Lower Upper

56 100

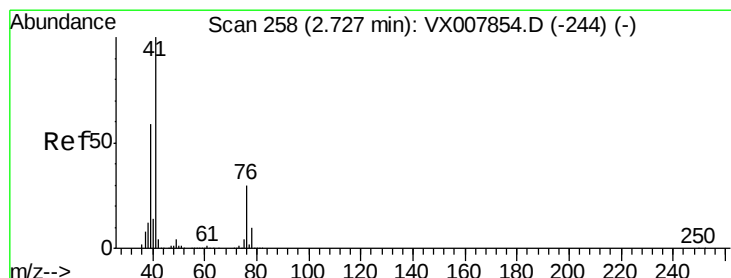
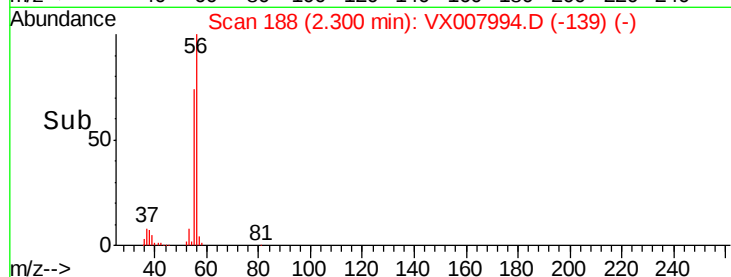
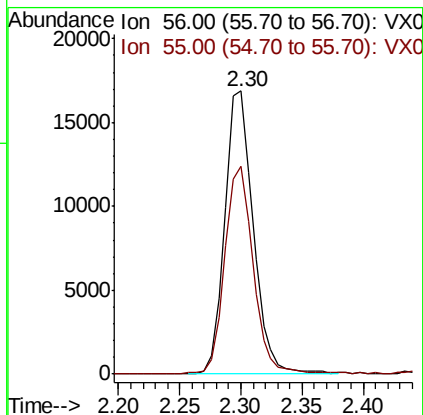
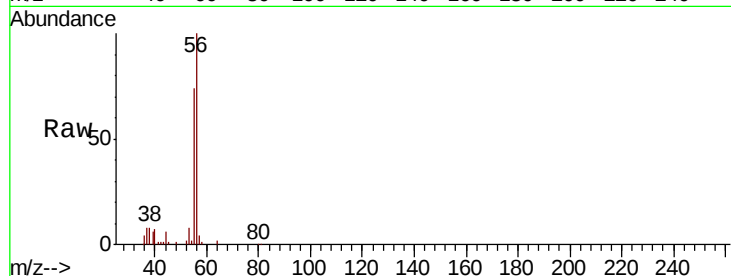
55 73.6 57.8 86.6

Manual Integrations

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#14

Allyl chloride

Concen: 18.933 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

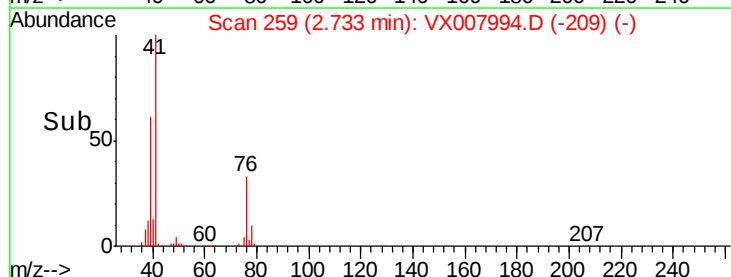
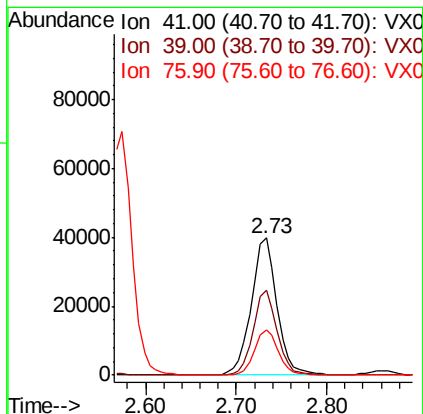
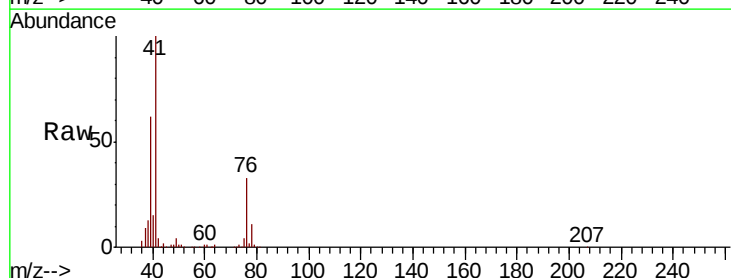
Tgt Ion: 41 Resp: 78038

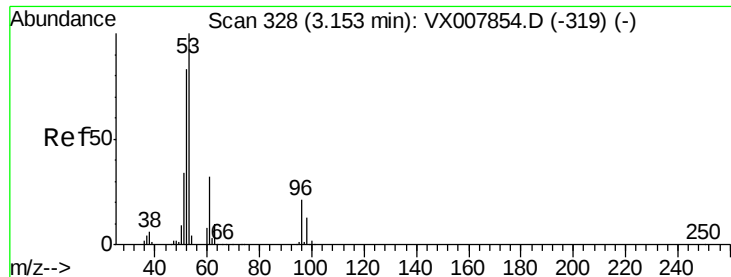
Ion Ratio Lower Upper

41 100

39 57.9 46.1 69.1

76 30.6 24.0 36.0





#15

Acrylonitrile

Concen: 103.196 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Instrument :

MSVOA_X

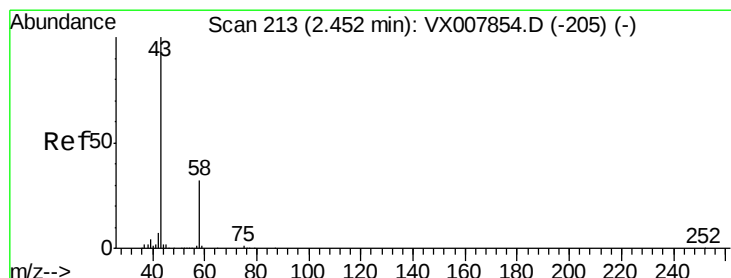
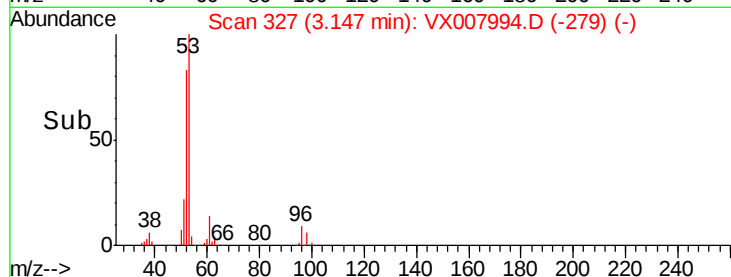
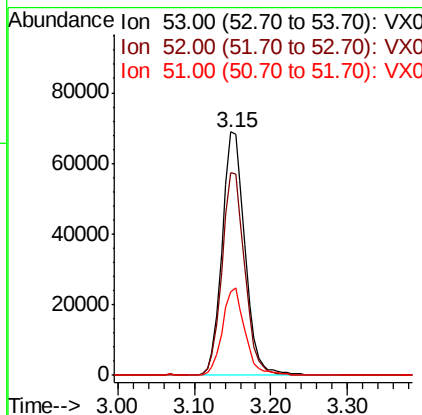
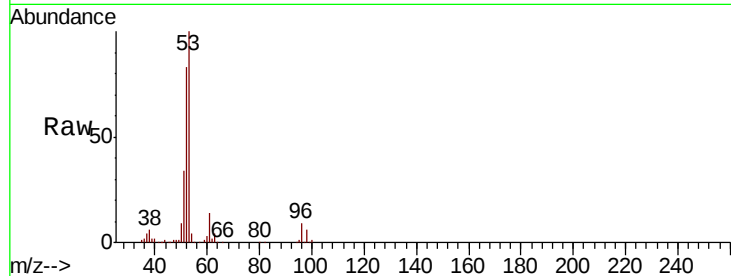
ClientSampleId :

VX0311WBS03

Tgt Ion:	53	Resp:	141670
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.0	99.0
51	35.4	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 83.001 ug/l

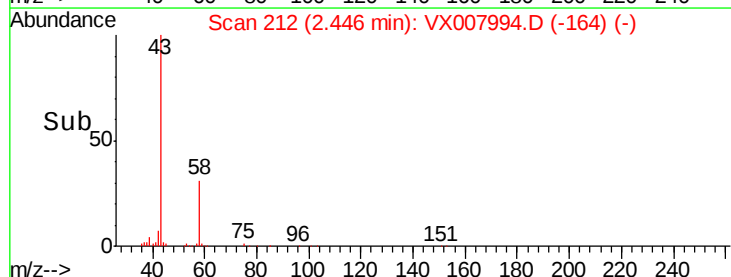
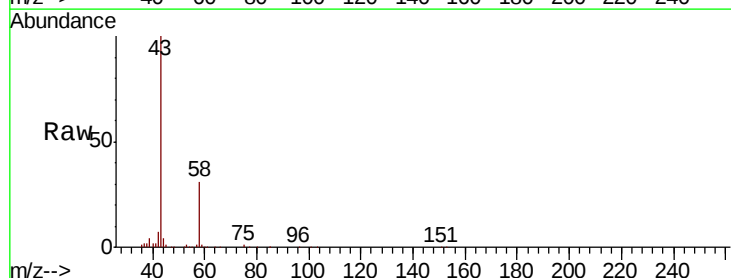
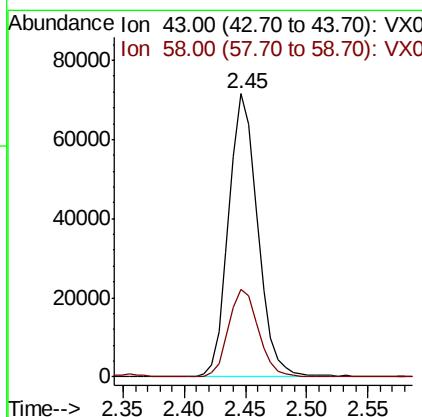
RT: 2.45 min Scan# 212

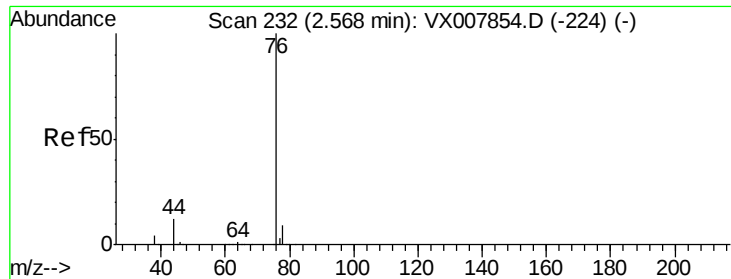
Delta R.T. -0.01 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Tgt Ion:	43	Resp:	116840
Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.5	38.3





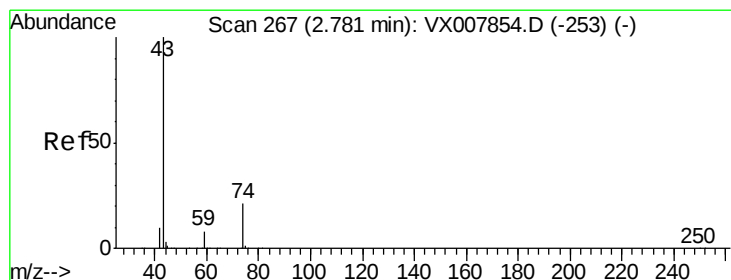
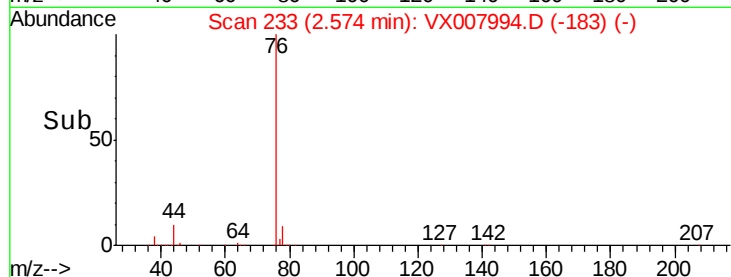
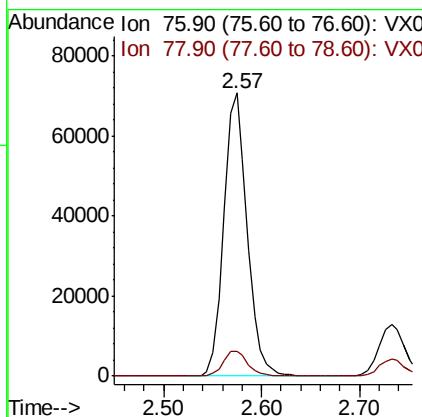
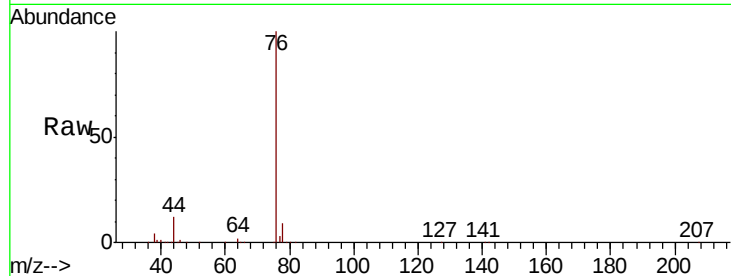
#17
Carbon Disulfide
Concen: 19.334 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS03

Tgt Ion: 76 Resp: 116808
Ion Ratio Lower Upper
76 100
78 8.8 7.2 10.8

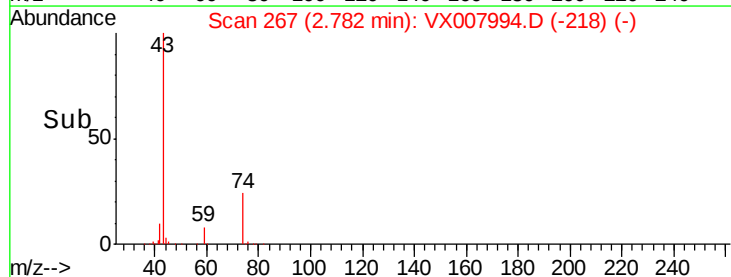
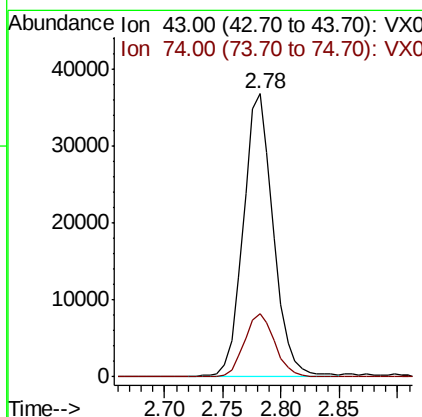
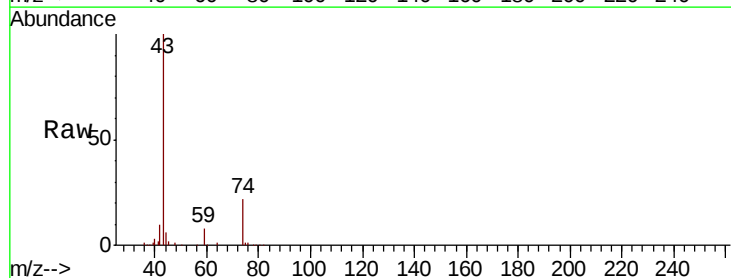
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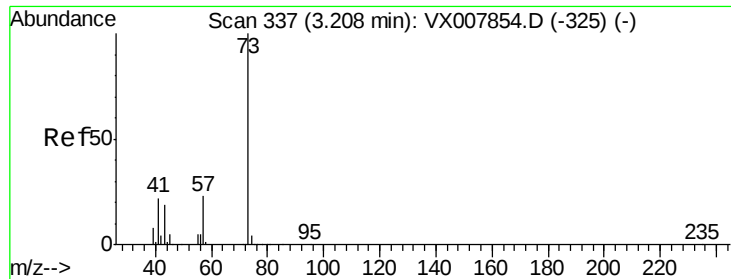
MMDadoda
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#18
Methyl Acetate
Concen: 22.062 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Tgt Ion: 43 Resp: 65978
Ion Ratio Lower Upper
43 100
74 23.3 17.8 26.6





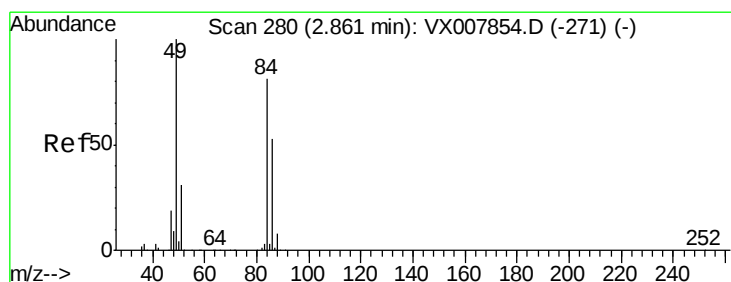
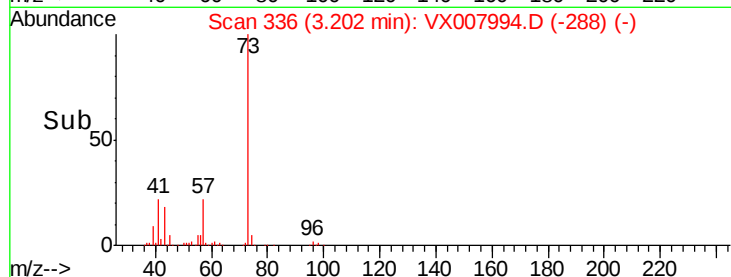
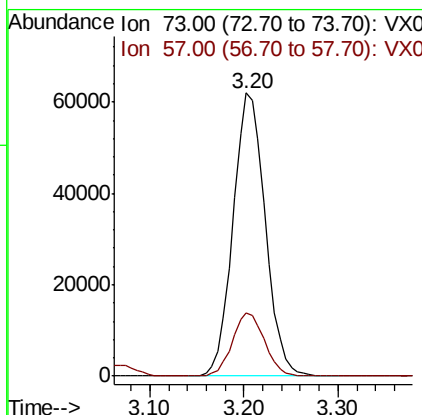
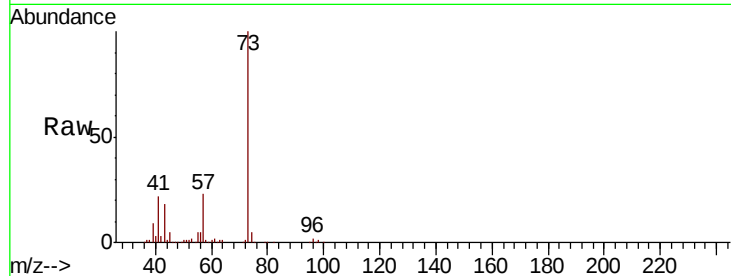
#19
Methyl tert-butyl Ether
Concen: 21.863 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS03

Tgt Ion: 73 Resp: 147536
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.4

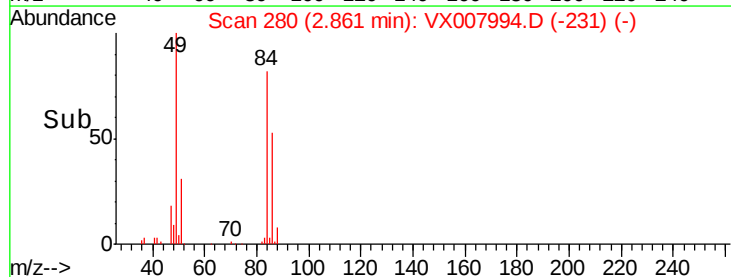
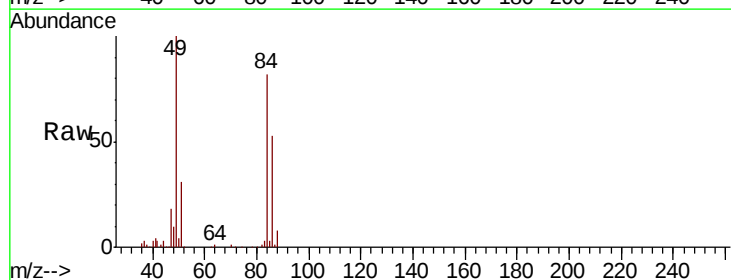
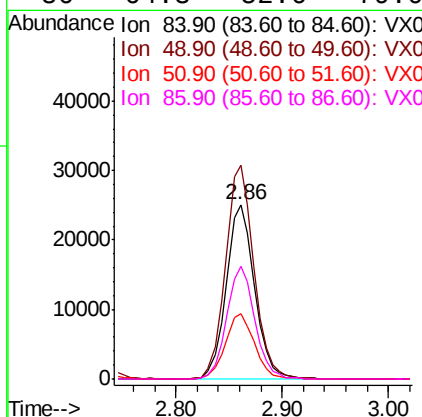
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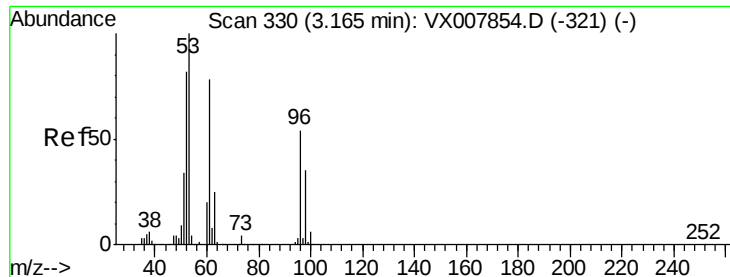
MMDadoda
3/12/2019 3:24:01 PM



#20
Methylene Chloride
Concen: 20.837 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Tgt Ion: 84 Resp: 46682
Ion Ratio Lower Upper
84 100
49 122.2 99.3 148.9
51 37.5 31.3 46.9
86 64.3 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.844 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Instrument :

MSVOA_X

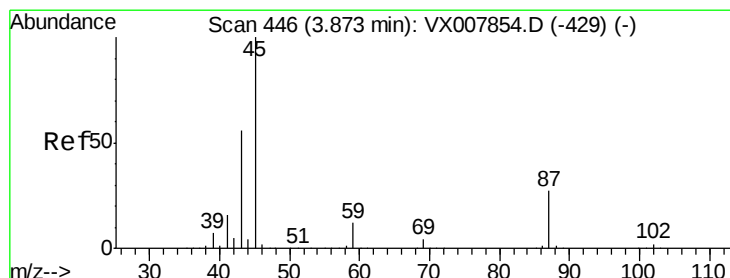
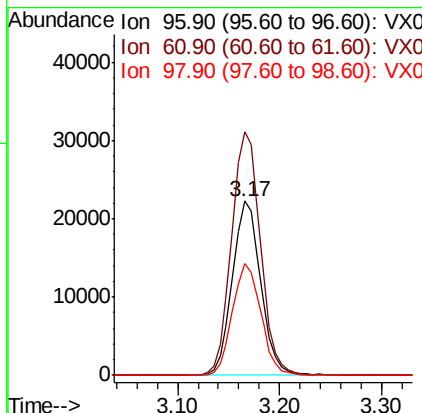
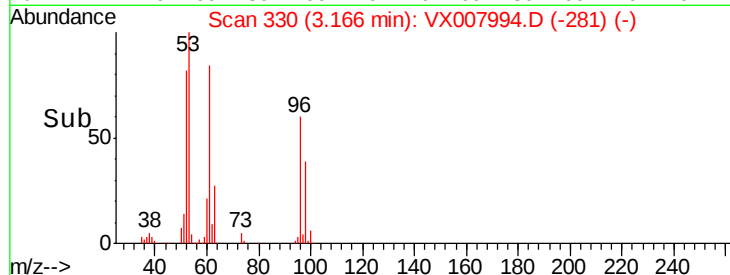
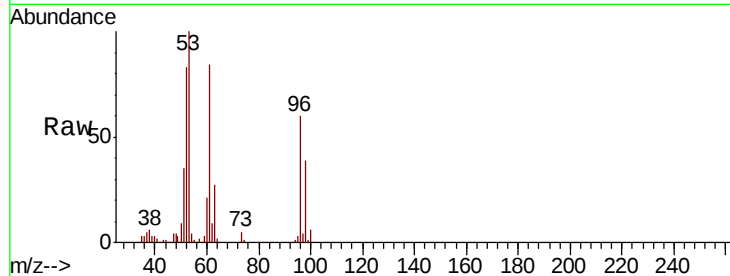
ClientSampleId :

VX0311WBS03

Tgt Ion:	96	Resp:	42829
Ion	Ratio	Lower	Upper
96	100		
61	139.6	114.4	171.6
98	63.9	51.1	76.7

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#22

Diisopropyl ether

Concen: 20.595 ug/l

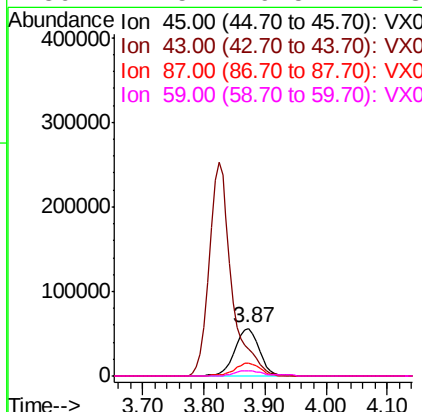
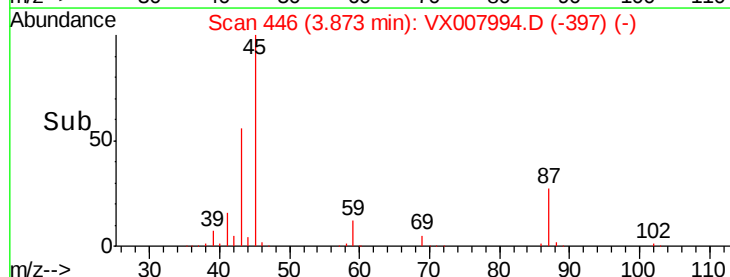
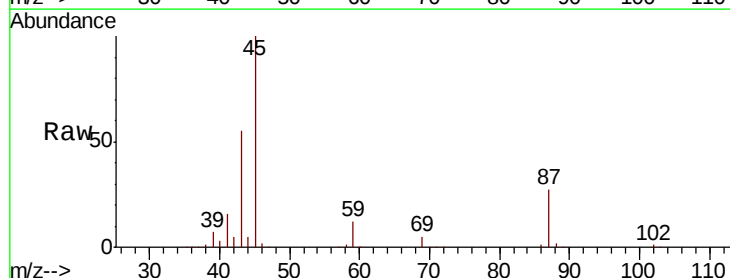
RT: 3.87 min Scan# 446

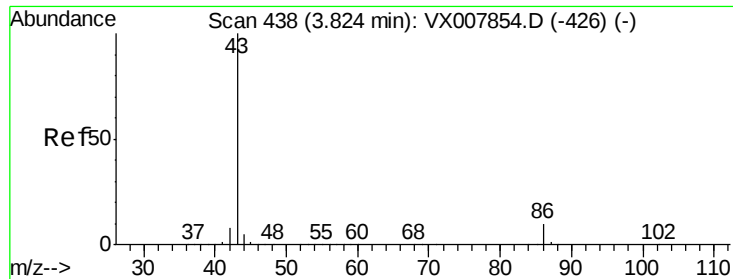
Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Tgt Ion:	45	Resp:	155610
Ion	Ratio	Lower	Upper
45	100		
43	55.3	45.3	67.9
87	26.8	21.4	32.0
59	11.5	9.5	14.3





#23

Vinyl Acetate

Concen: 98.030 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS03

Tgt Ion: 43 Resp: 649516

Ion Ratio Lower Upper

43 100

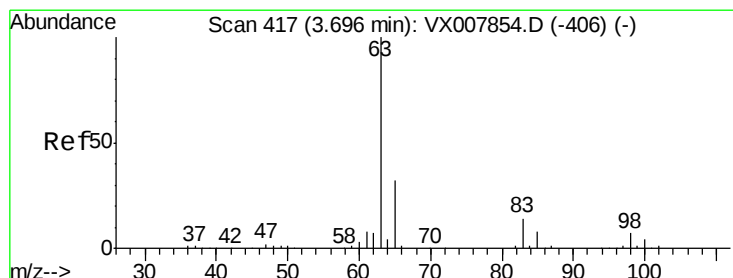
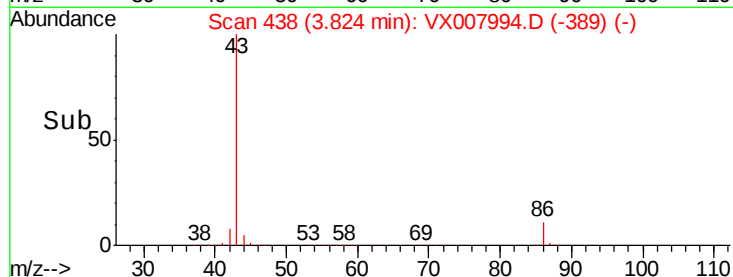
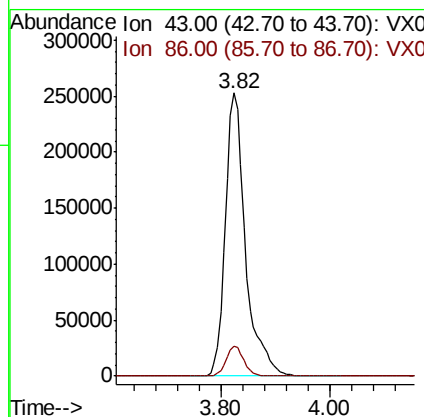
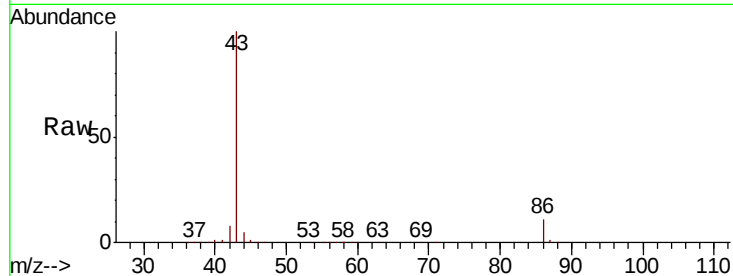
86 10.6 7.9 11.9

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#24

1,1-Dichloroethane

Concen: 20.566 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

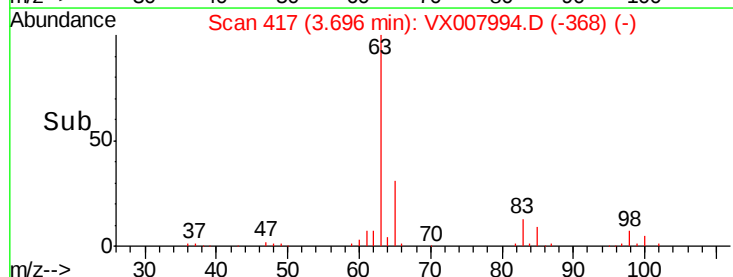
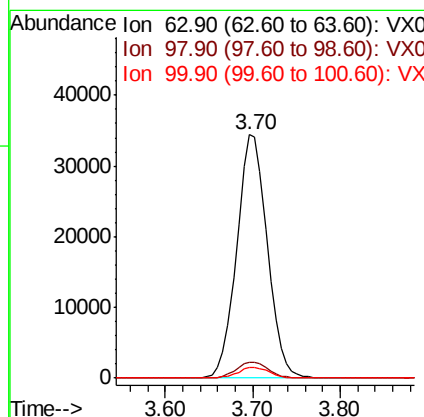
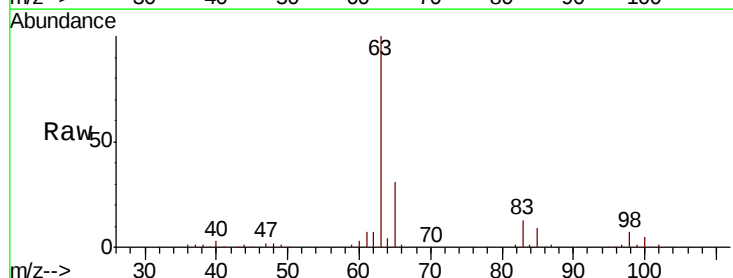
Tgt Ion: 63 Resp: 83624

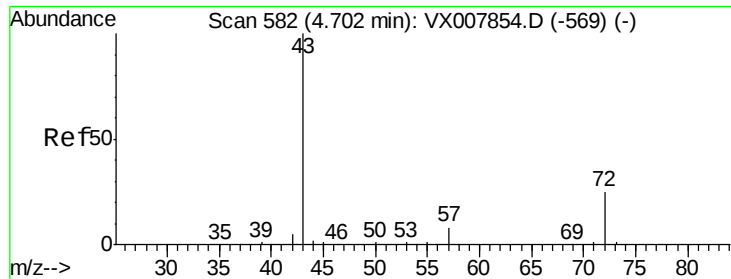
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 4.5 2.3 6.8





#25

2-Butanone

Concen: 96.439 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS03

Tgt Ion: 43 Resp: 192196

Ion Ratio Lower Upper

43 100

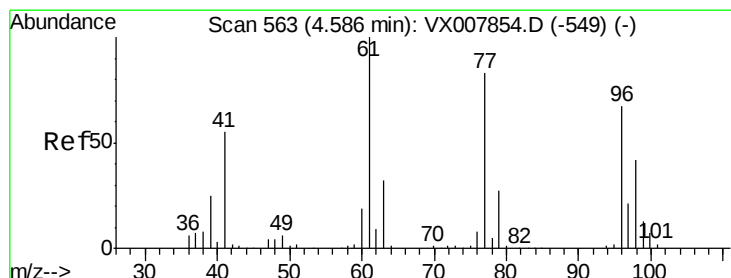
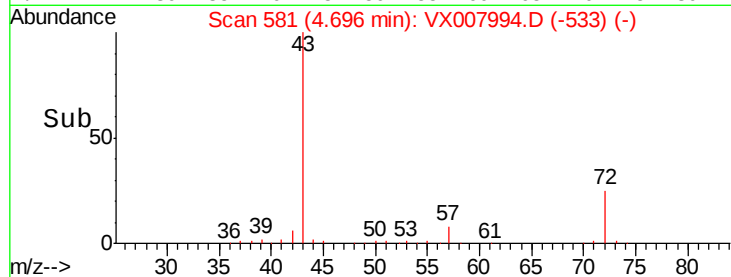
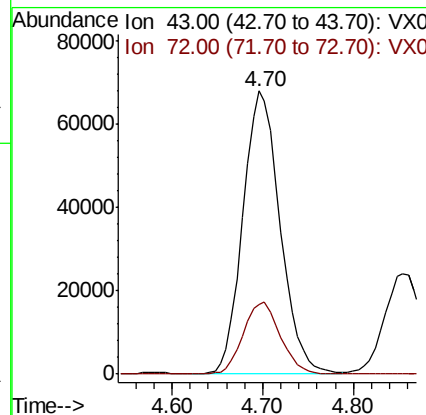
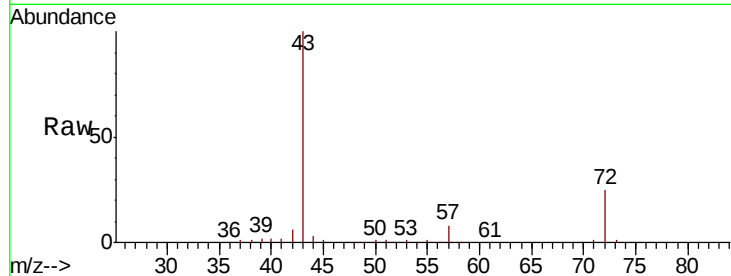
72 24.7 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 14.830 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007994.D

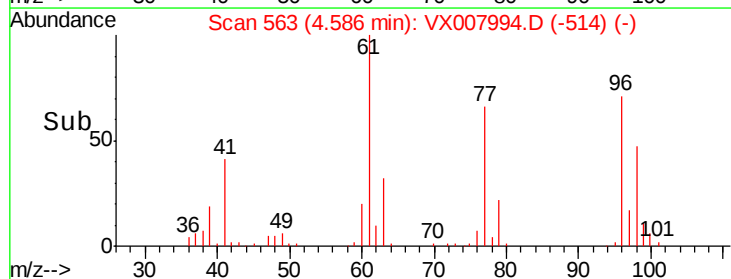
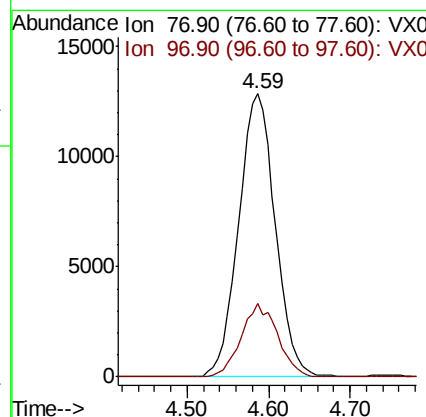
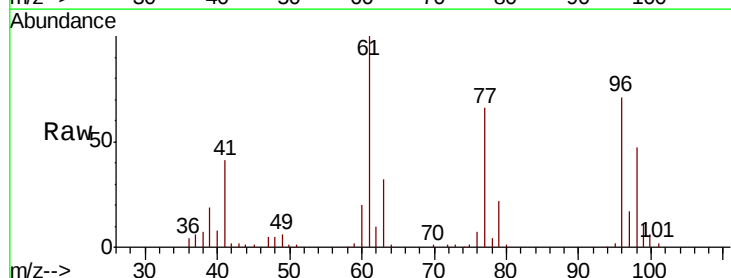
Acq: 12 Mar 2019 04:54

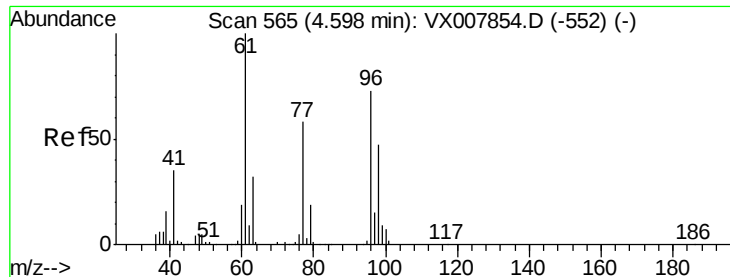
Tgt Ion: 77 Resp: 39950

Ion Ratio Lower Upper

77 100

97 25.8 12.2 36.6





#27

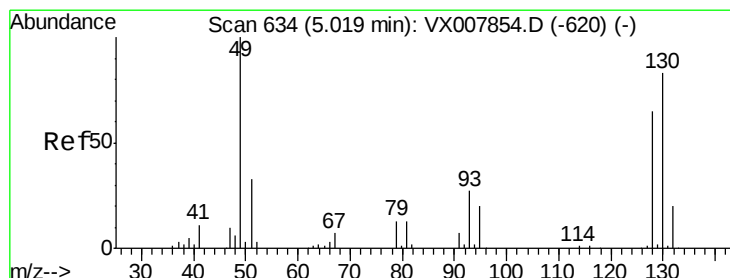
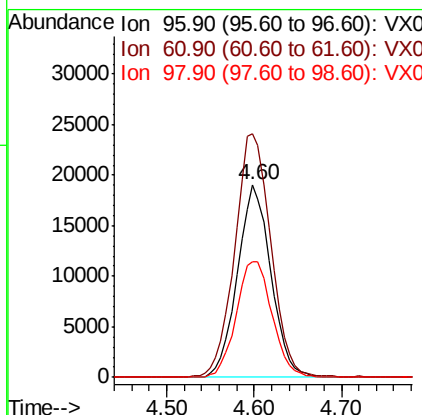
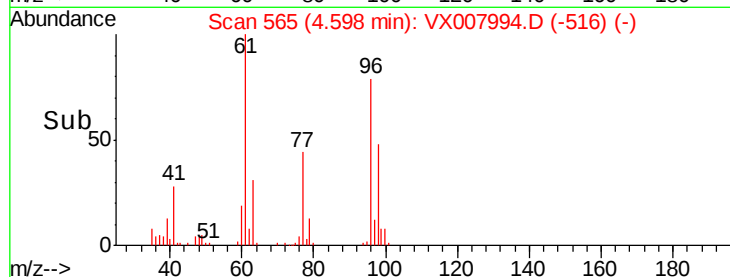
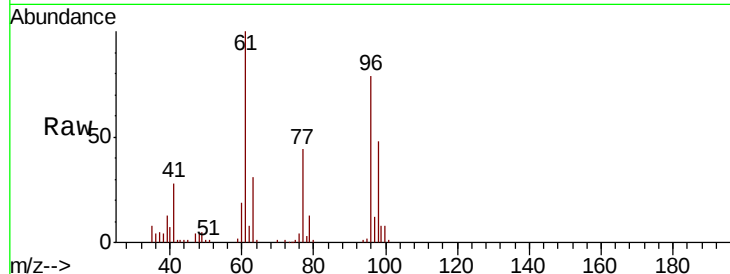
cis-1,2-Dichloroethene
Concen: 20.516 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.5	0.0	288.0
98	64.6	0.0	129.0

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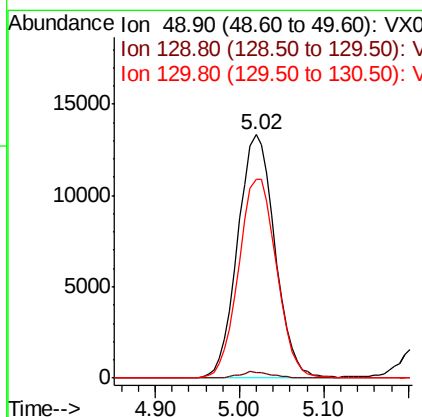
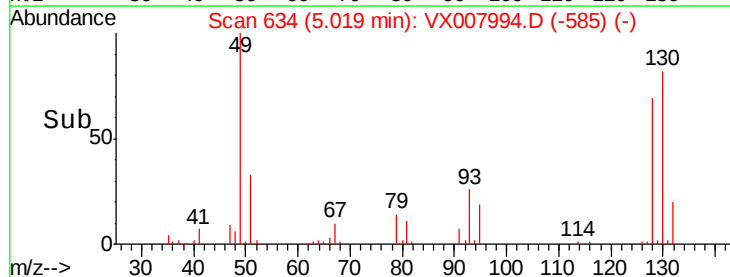
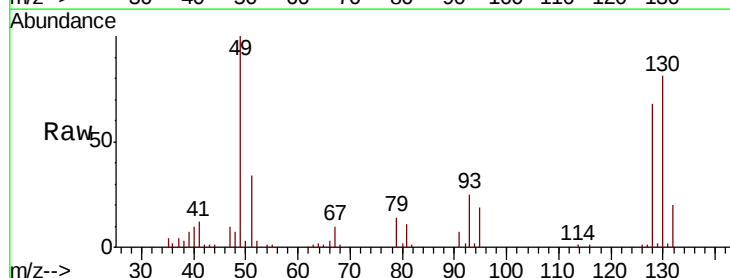
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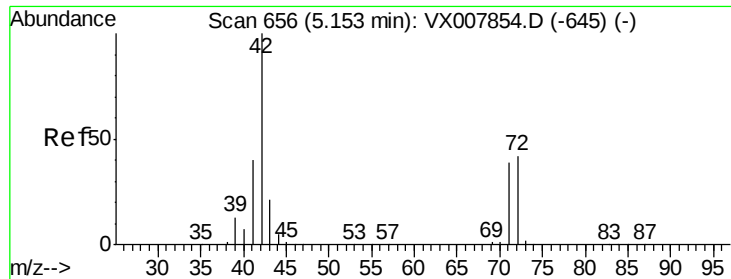


#28

Bromochloromethane
Concen: 21.087 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	83.4	65.0	97.4





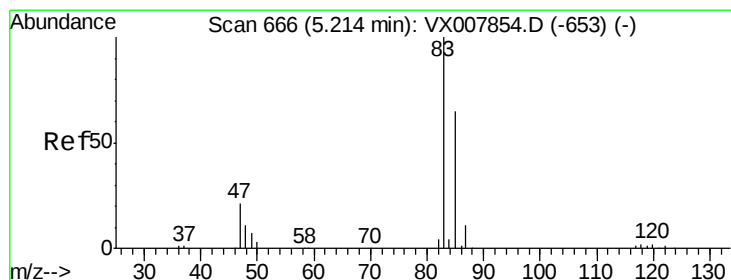
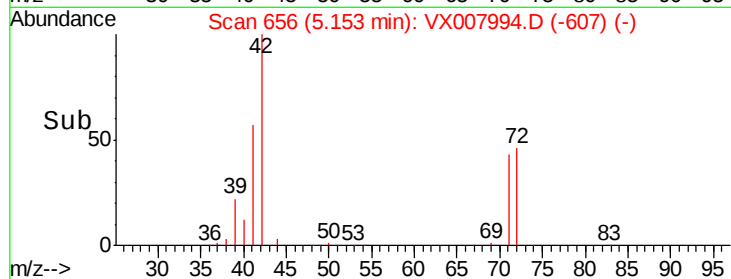
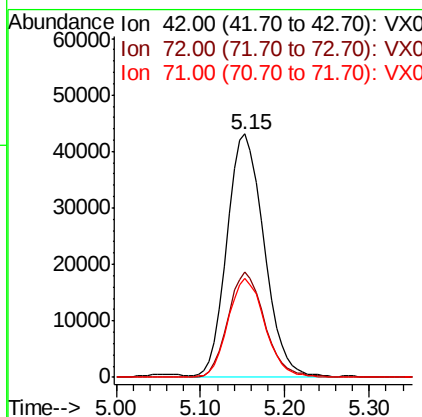
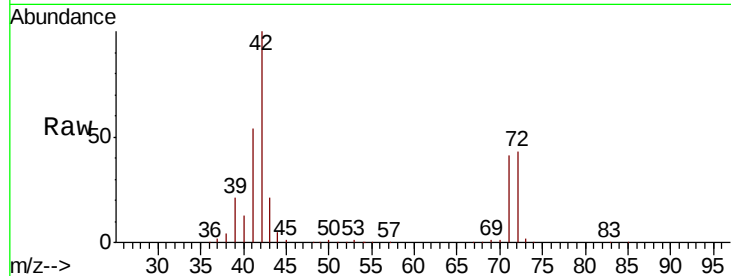
#29
Tetrahydrofuran
Concen: 103.579 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS03

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.9	33.8	50.6
71	40.4	31.5	47.3

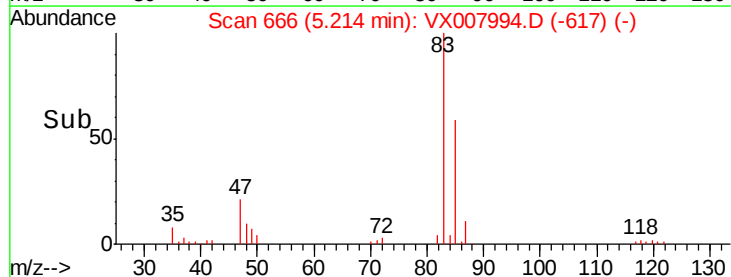
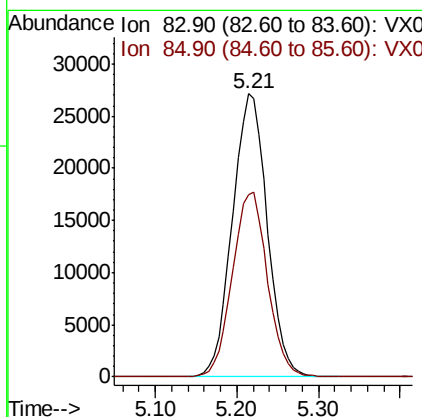
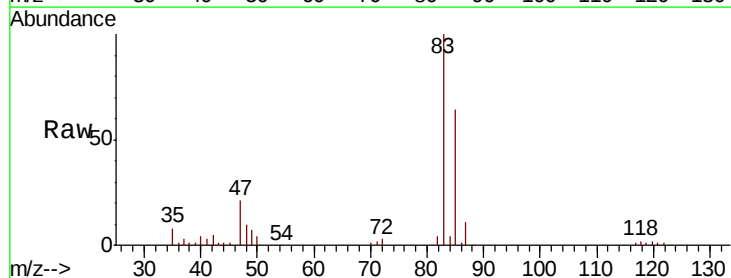
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APPROVED

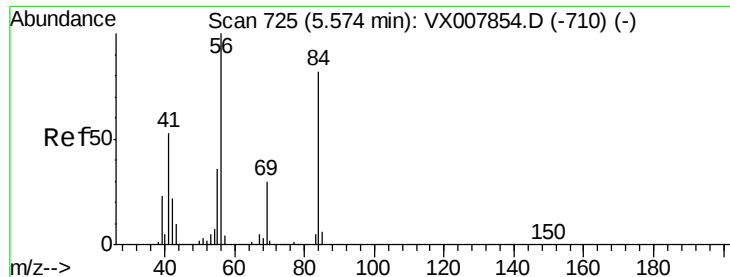
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#30
Chloroform
Concen: 20.851 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.8	77.6





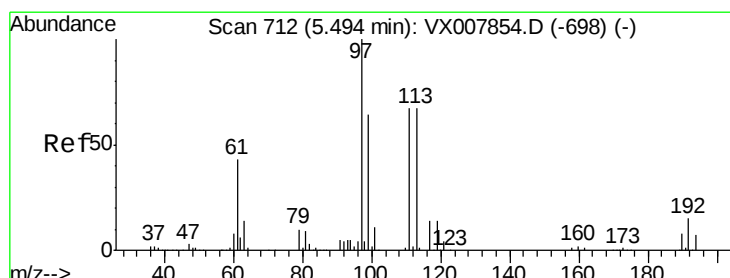
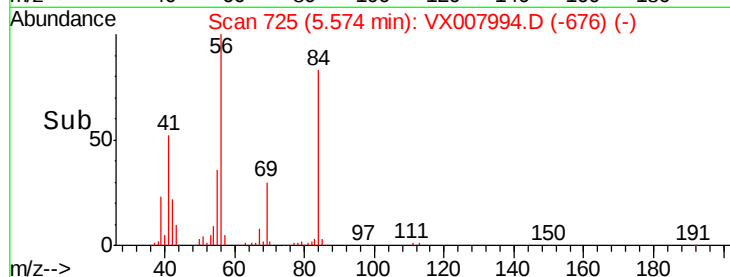
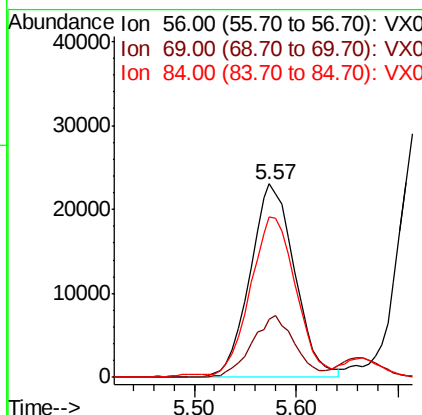
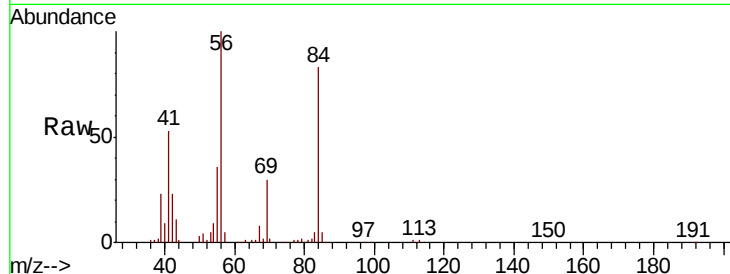
#31
Cyclohexane
Concen: 18.679 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS03

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.8	24.0	36.0
84	81.3	65.3	97.9

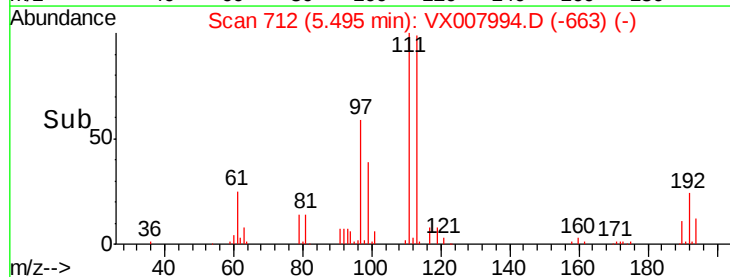
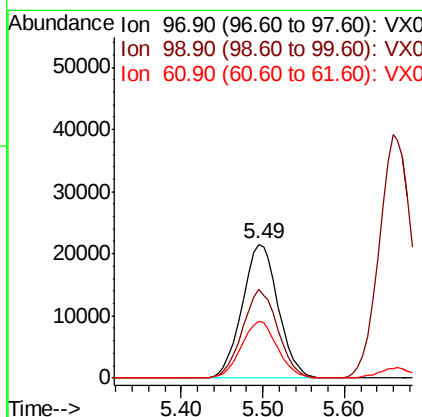
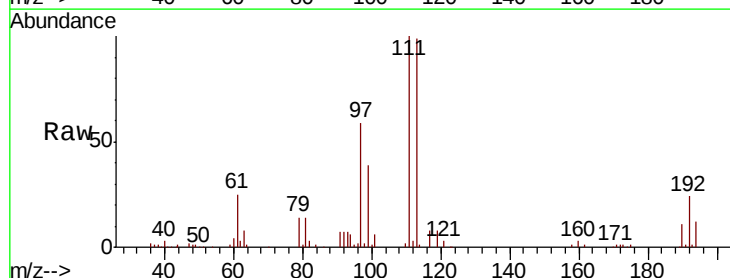
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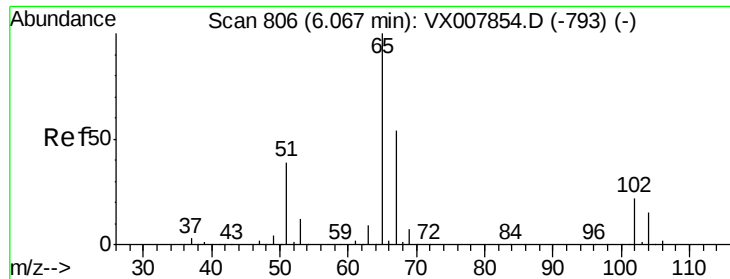
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#32
1,1,1-Trichloroethane
Concen: 20.673 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.2	78.2
61	42.8	34.9	52.3





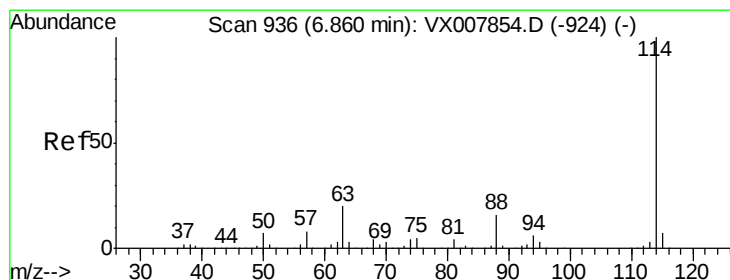
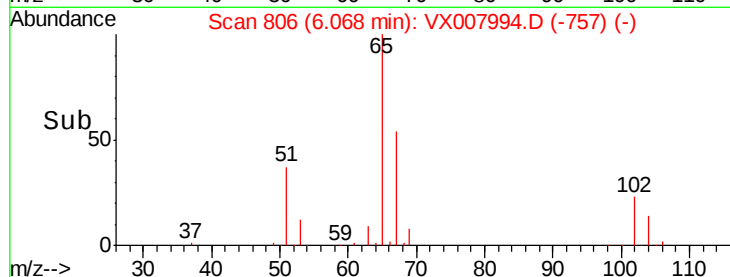
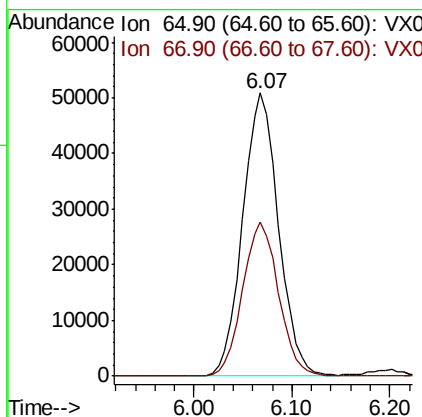
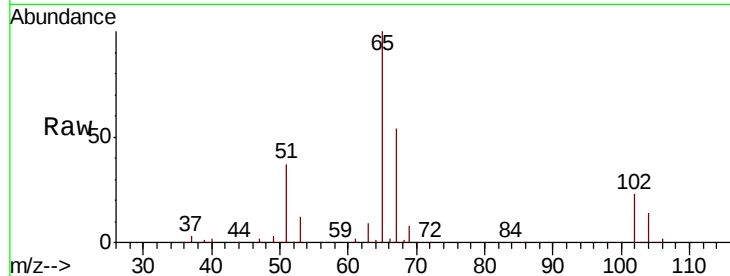
#33
 1,2-Dichloroethane-d4
 Concen: 53.126 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007994.D
 Acq: 12 Mar 2019 04:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS03

Tgt Ion: 65 Resp: 129204
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 110.0

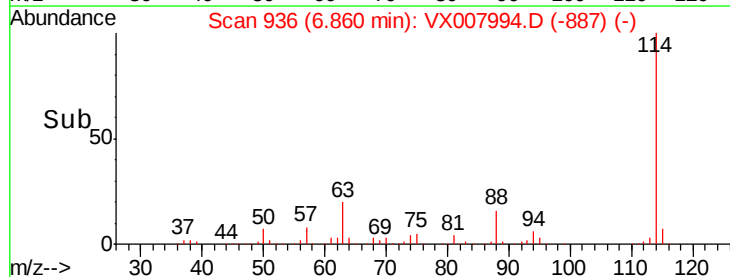
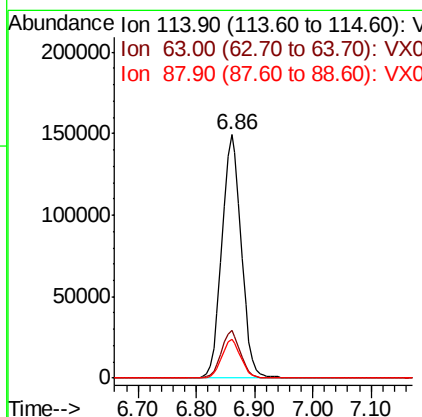
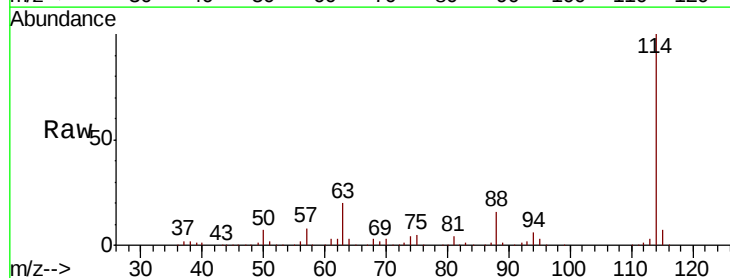
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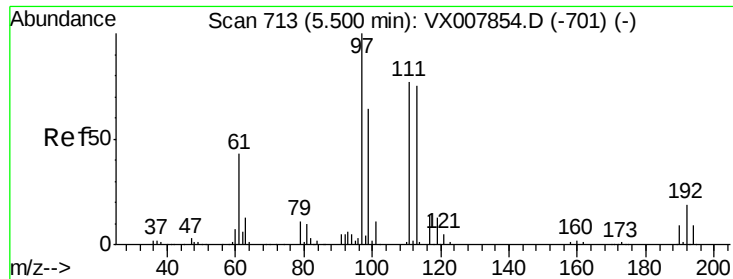
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007994.D
 Acq: 12 Mar 2019 04:54

Tgt Ion: 114 Resp: 345967
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.7 0.0 31.4





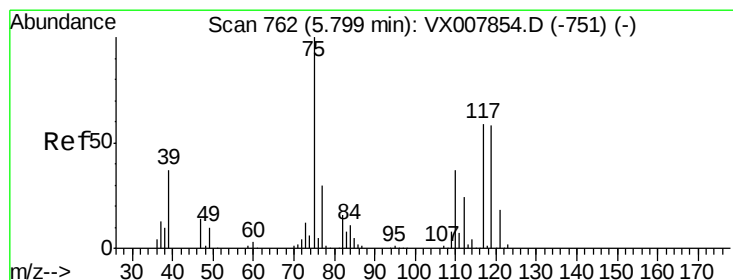
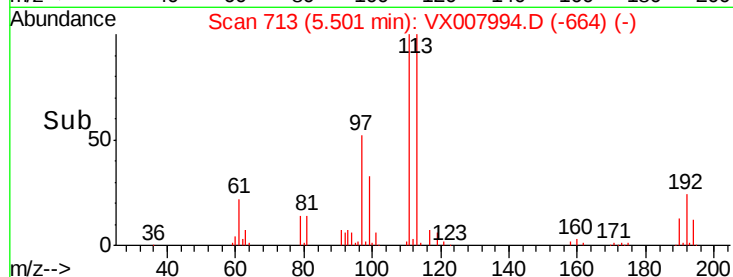
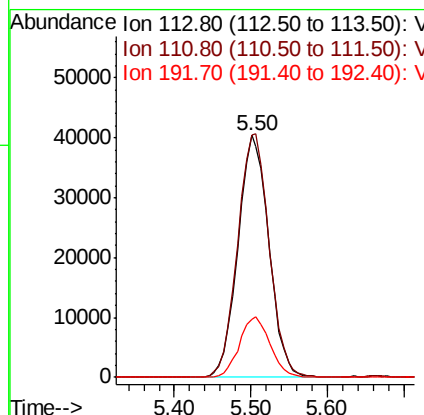
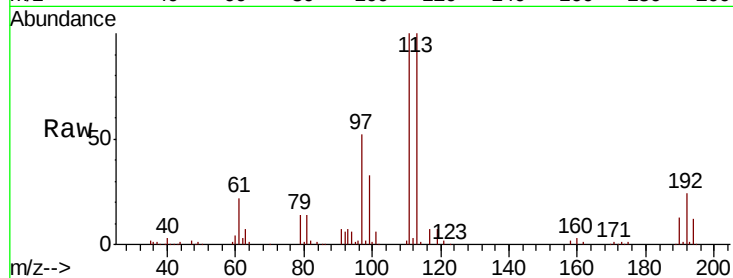
#35
Dibromofluoromethane
Concen: 51.207 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS03

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	113324		
111	102.6	81.4	122.0	
192	24.8	19.4	29.0	

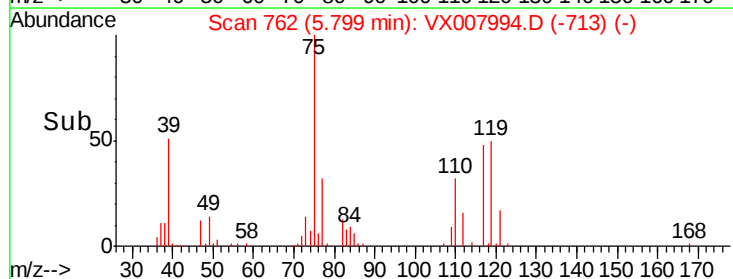
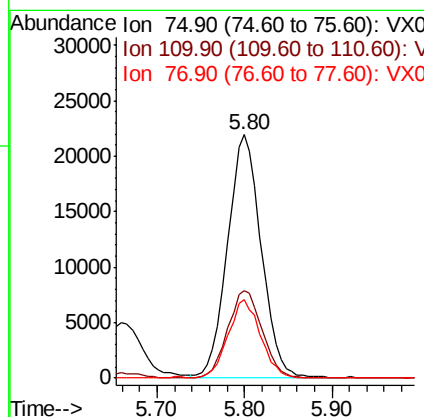
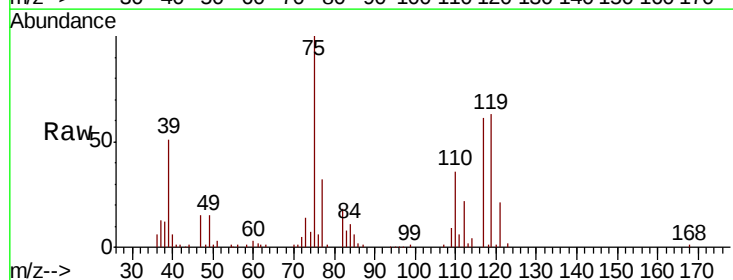
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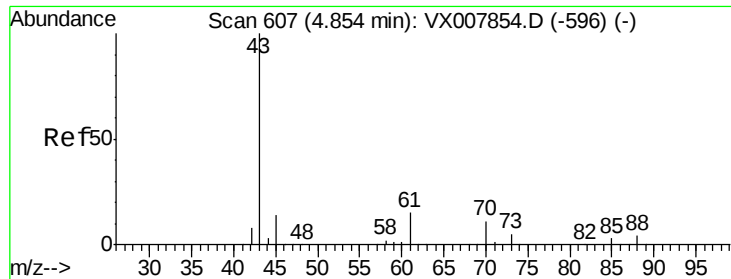
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#36
1,1-Dichloropropene
Concen: 18.559 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	58140		
110	37.2	18.4	55.0	
77	31.3	25.0	37.4	





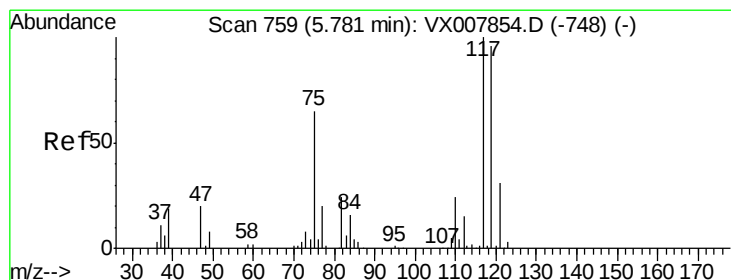
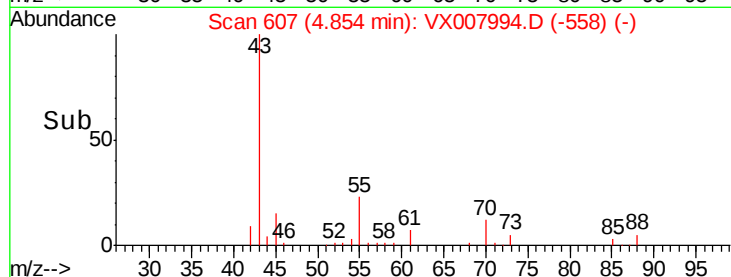
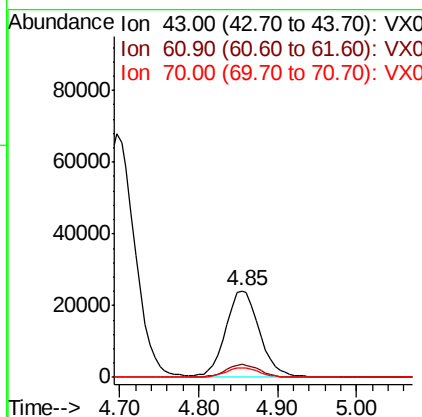
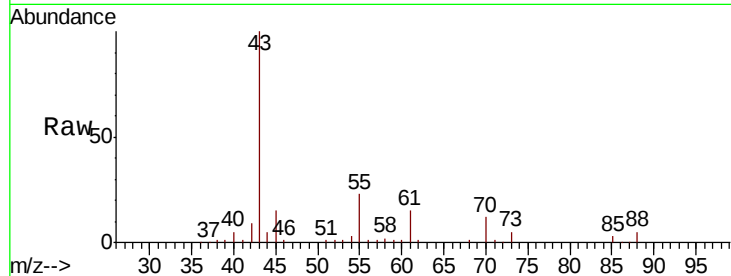
#37
Ethyl Acetate
Concen: 19.302 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS03

Tgt Ion: 43 Resp: 71757
Ion Ratio Lower Upper
43 100
61 15.1 11.3 16.9
70 11.2 8.5 12.7

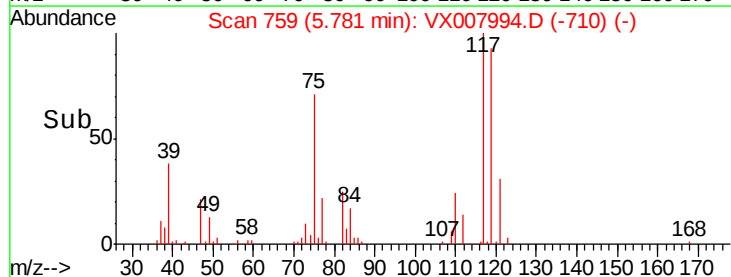
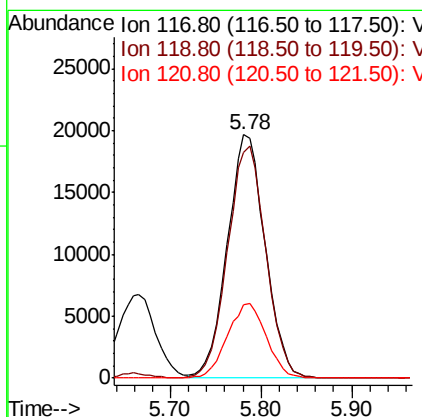
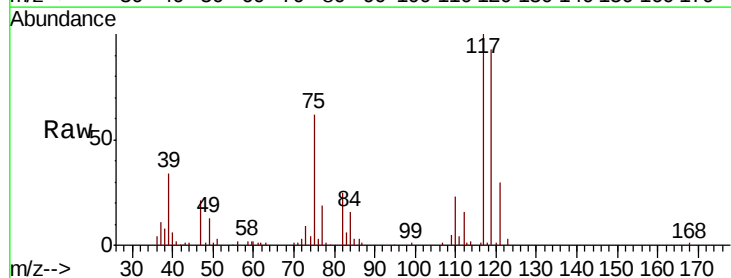
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#38
Carbon Tetrachloride
Concen: 19.138 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Tgt Ion: 117 Resp: 56918
Ion Ratio Lower Upper
117 100
119 92.9 76.2 114.2
121 30.3 24.6 36.8





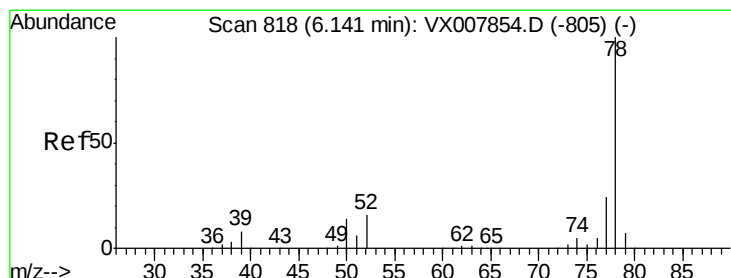
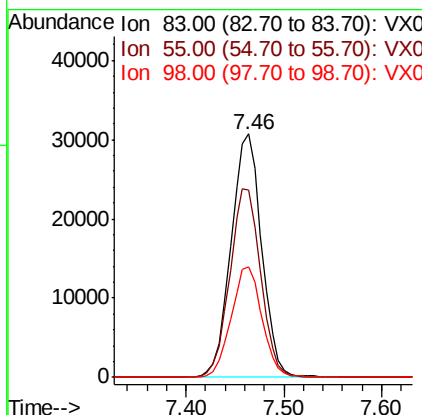
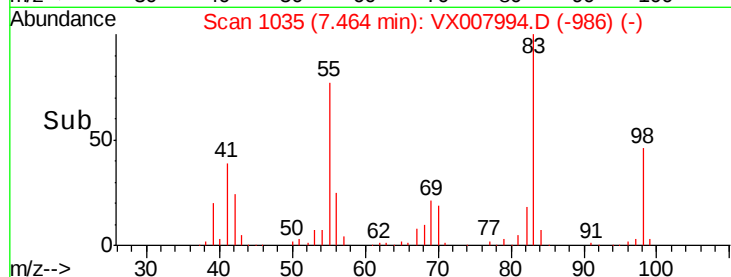
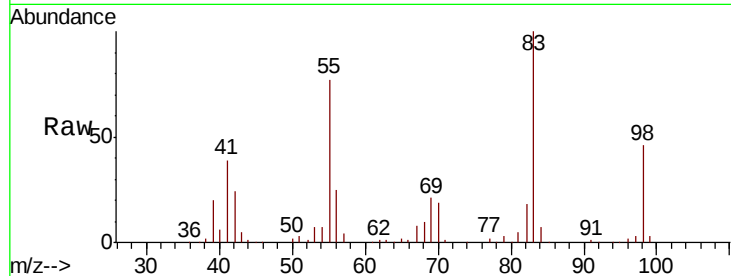
#39
Methylcyclohexane
Concen: 17.575 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS03

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.7	60.4	90.6
98	45.5	36.5	54.7

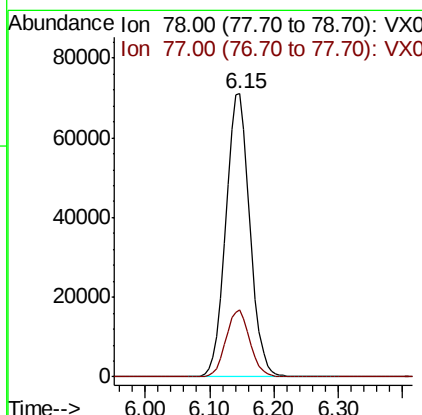
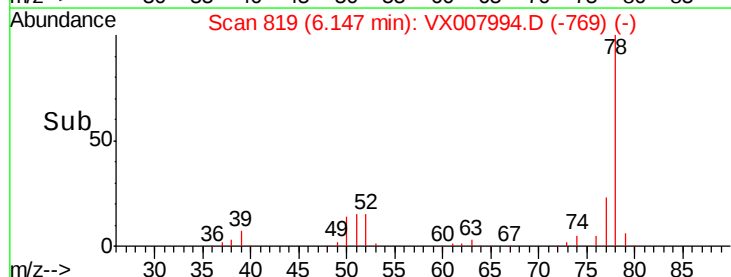
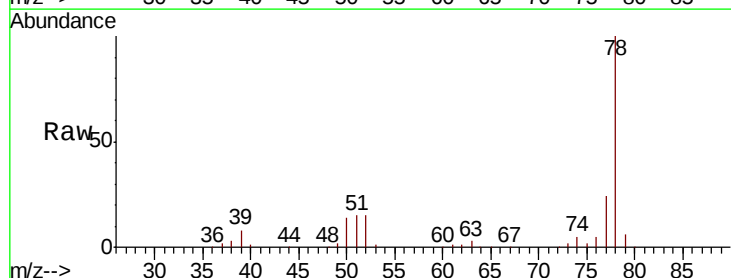
Manual Integrations
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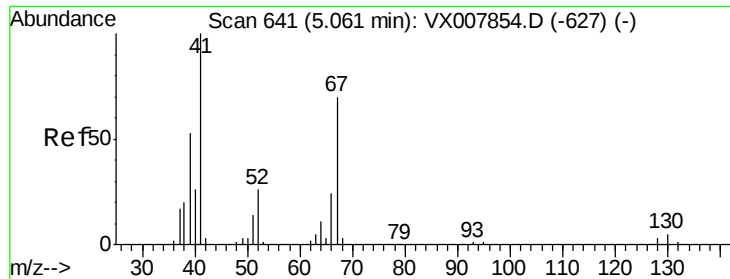
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#40
Benzene
Concen: 20.116 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4





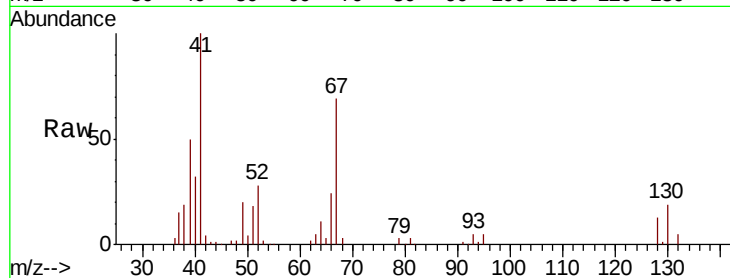
#41
Methacrylonitrile
Concen: 20.495 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS03

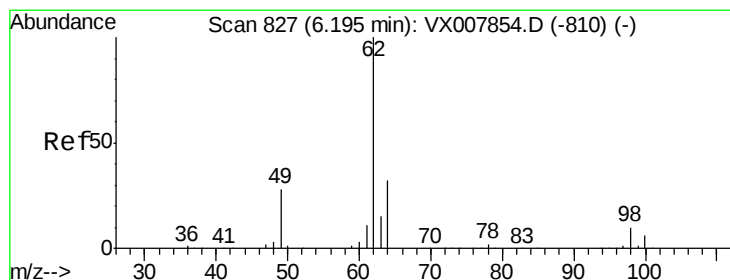
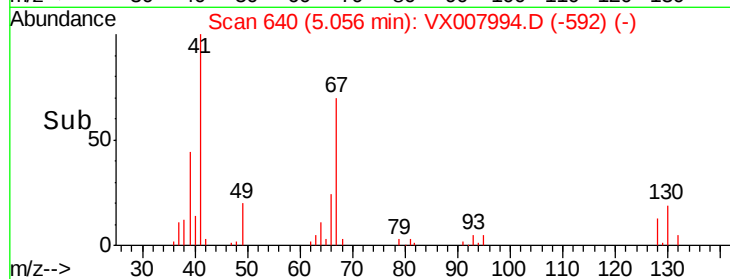
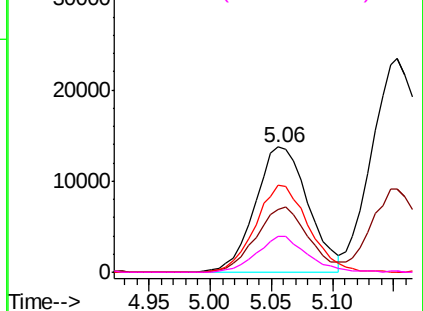
Tgt Ion:	41	Resp:	41540
Ion	Ratio	Lower	Upper
41	100		
39	51.1	41.6	62.4
67	69.6	55.8	83.6
52	27.4	21.7	32.5

Manual Integrations
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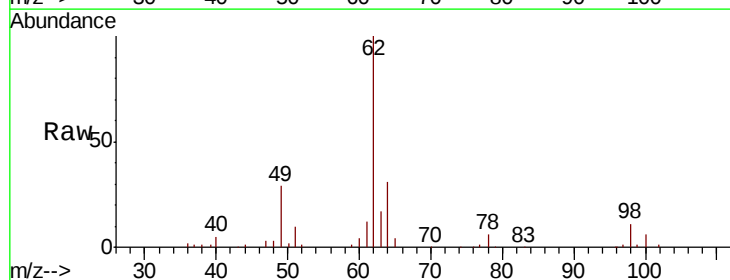


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

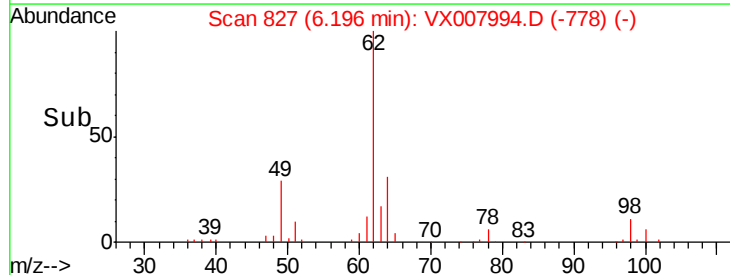
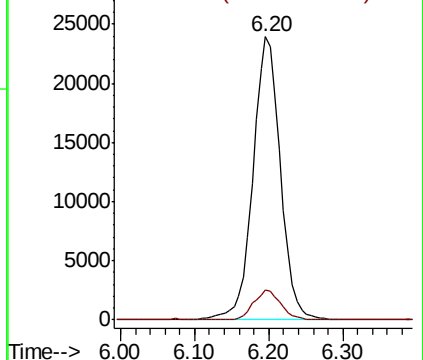


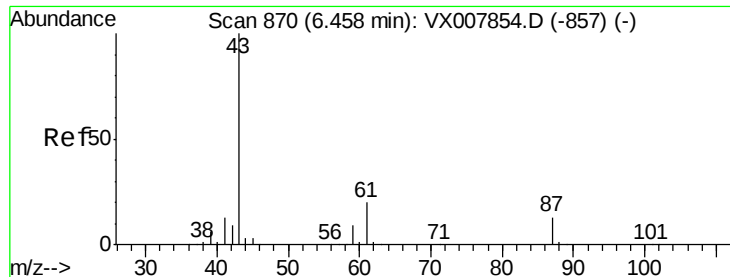
#42
1,2-Dichloroethane
Concen: 20.252 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Tgt Ion:	62	Resp:	61766
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.943 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Instrument :

MSVOA_X

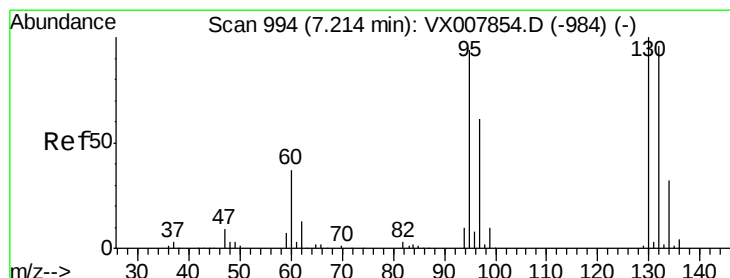
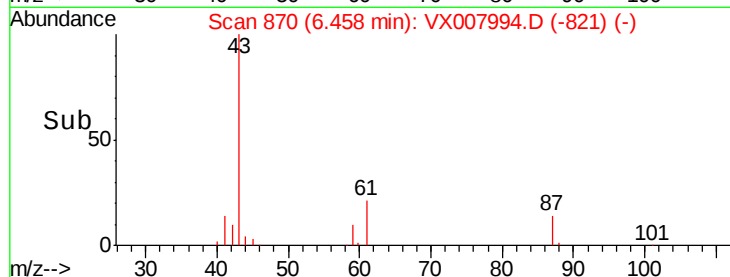
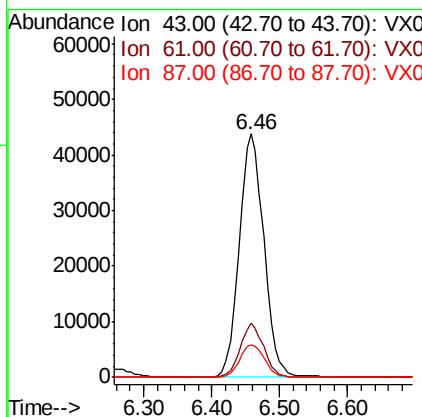
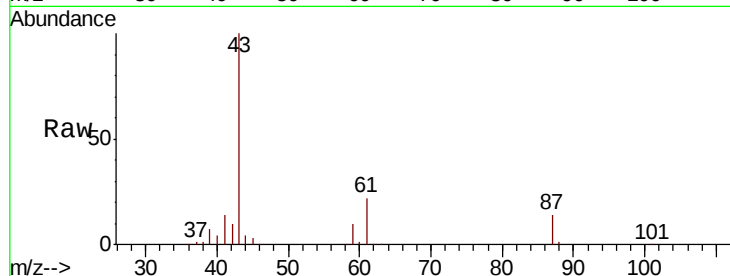
ClientSampleId :

VX0311WBS03

Tgt Ion:	43	Resp:	109721
Ion	Ratio	Lower	Upper
43	100		
61	21.1	16.3	24.5
87	13.6	10.5	15.7

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#44

Trichloroethene

Concen: 20.109 ug/l

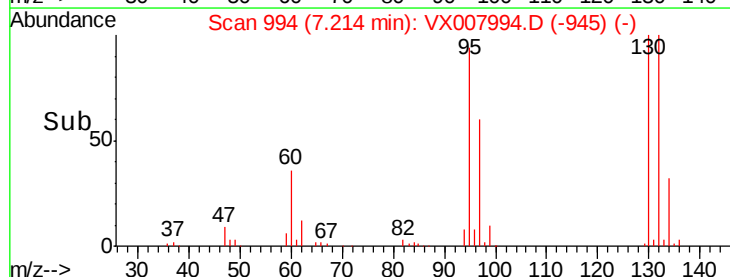
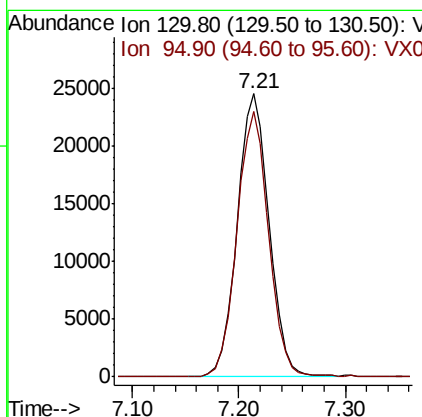
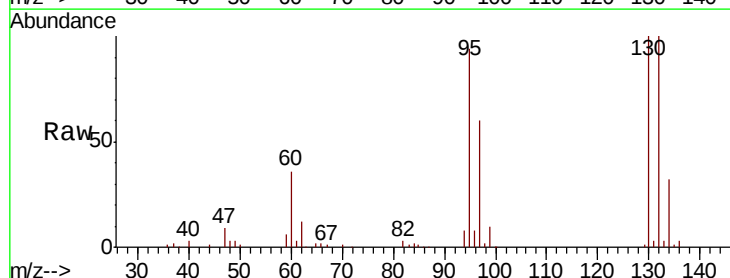
RT: 7.21 min Scan# 994

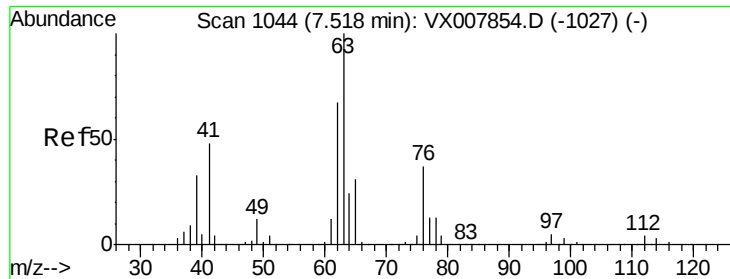
Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Tgt Ion:	130	Resp:	51683
Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	188.0





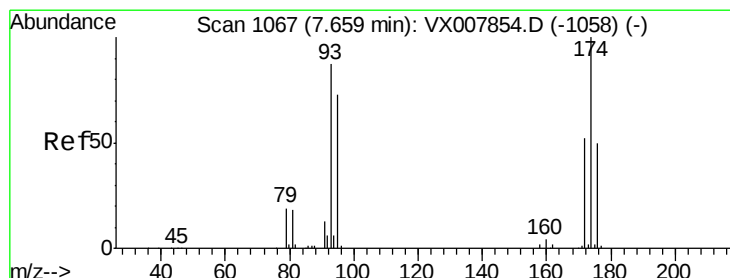
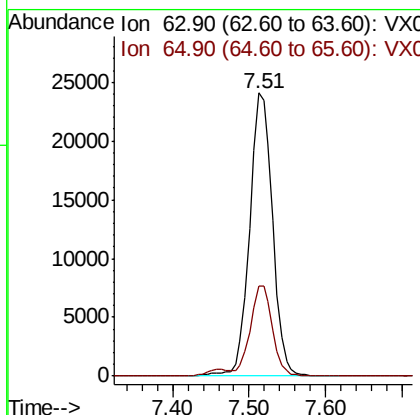
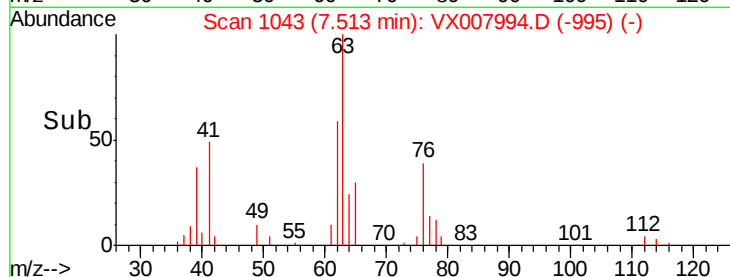
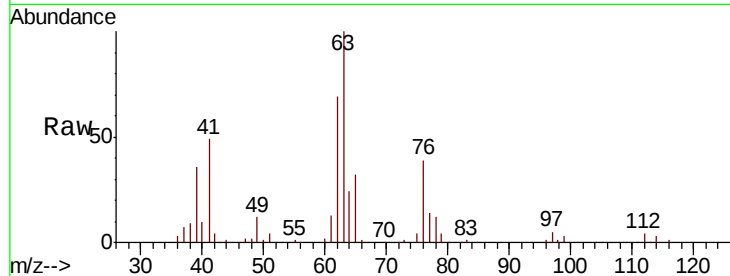
#45
1,2-Dichloropropane
Concen: 20.463 ug/l
RT: 7.51 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS03

Tgt Ion: 63 Resp: 50405
Ion Ratio Lower Upper
63 100
65 31.7 24.7 37.1

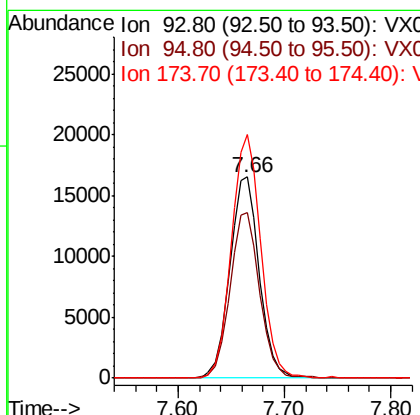
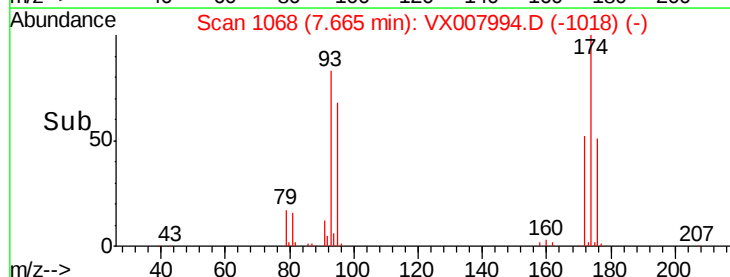
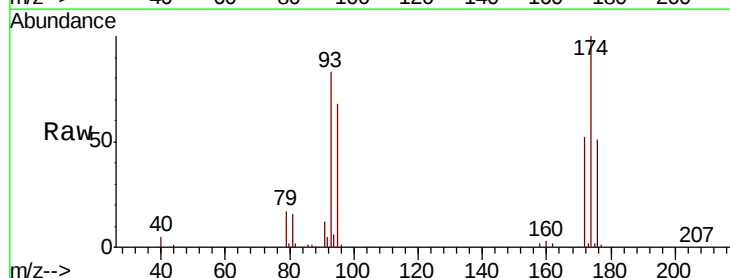
Manual Integrations
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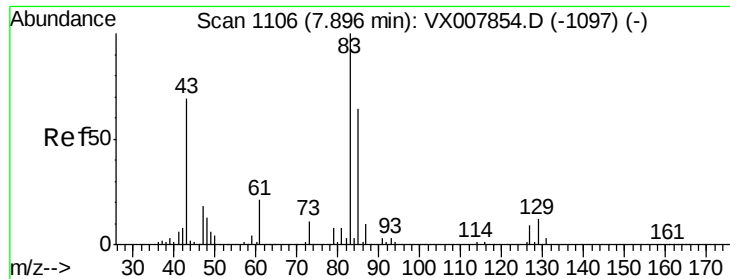
MMDadoda
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#46
Dibromomethane
Concen: 20.544 ug/l
RT: 7.66 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Tgt Ion: 93 Resp: 32025
Ion Ratio Lower Upper
93 100
95 82.7 66.8 100.2
174 120.6 97.3 145.9





#47

Bromodichloromethane

Concen: 19.384 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Instrument :

MSVOA_X

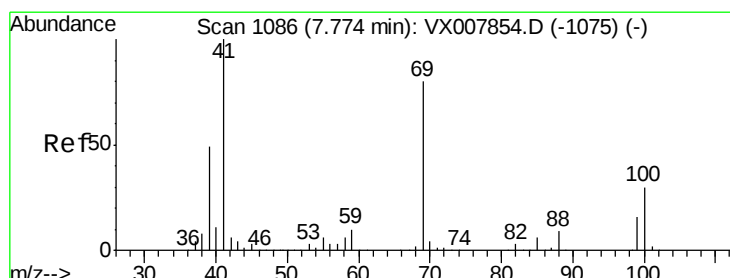
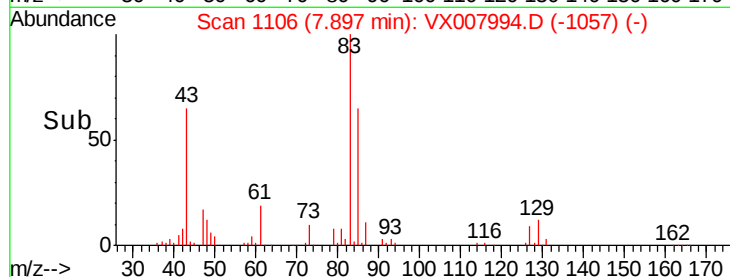
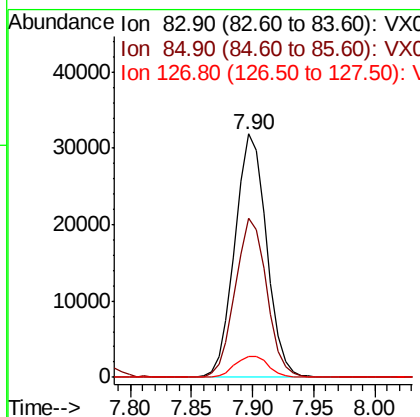
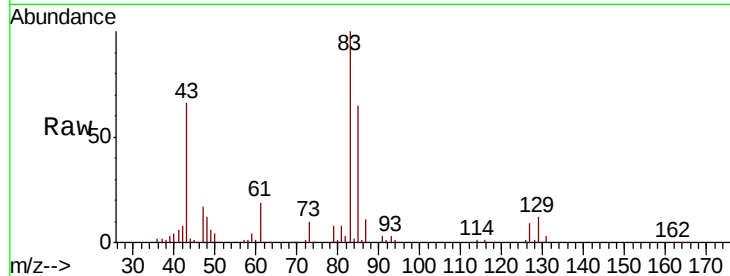
ClientSampleId :

VX0311WBS03

Tgt Ion:	83	Resp:	57288
Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.9	76.3
127	8.7	7.4	11.0

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#48

Methyl methacrylate

Concen: 19.972 ug/l

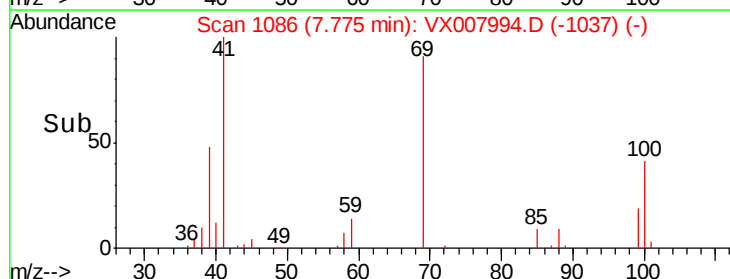
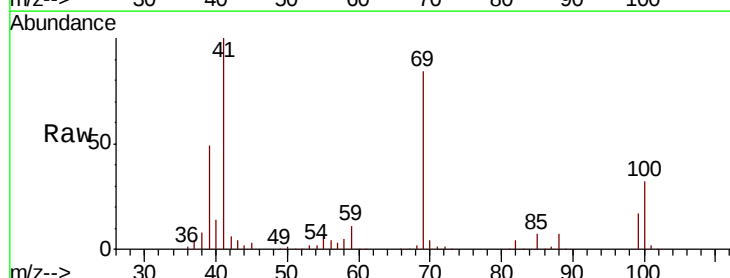
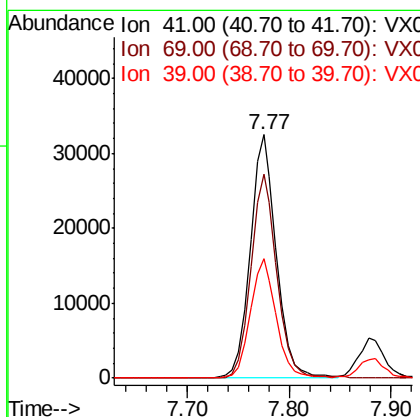
RT: 7.77 min Scan# 1086

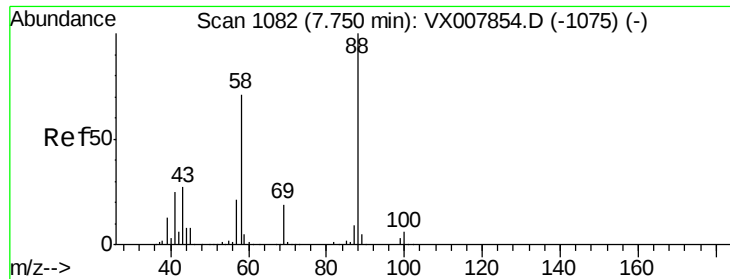
Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Tgt Ion:	41	Resp:	57770
Ion	Ratio	Lower	Upper
41	100		
69	83.7	65.2	97.8
39	48.9	39.4	59.2





#49

1,4-Dioxane

Concen: 405.785 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Instrument :

MSVOA_X

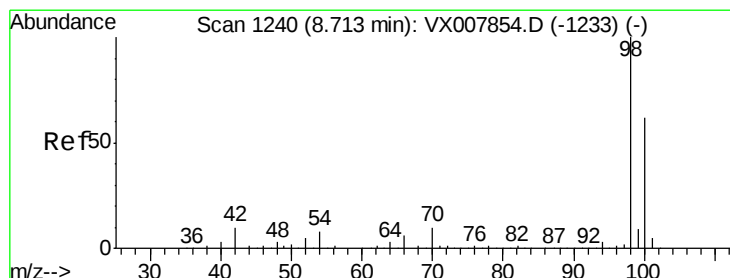
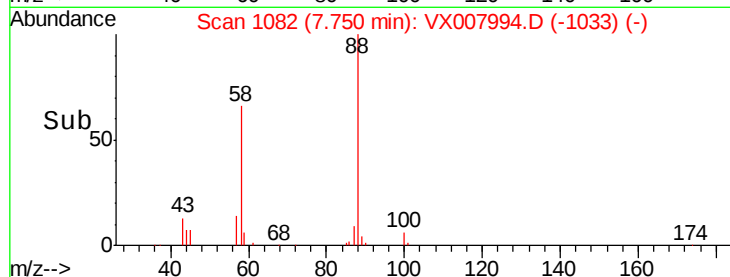
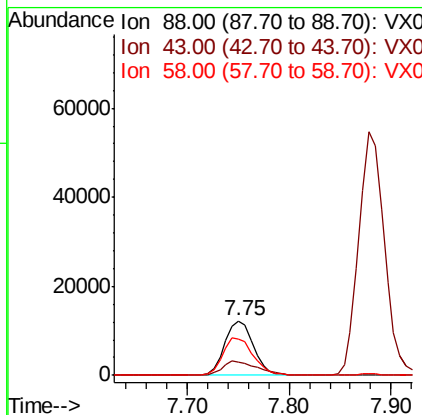
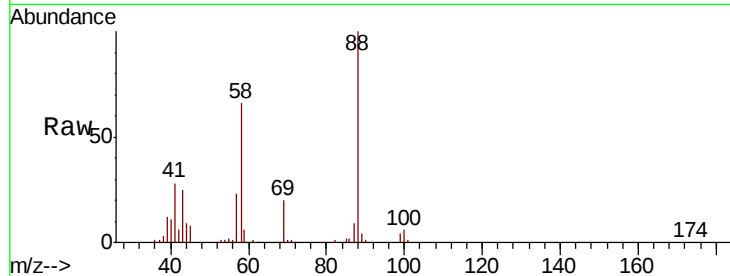
ClientSampleId :

VX0311WBS03

Tgt Ion:	88	Resp:	24112
Ion	Ratio	Lower	Upper
88	100		
43	31.9	25.1	37.7
58	72.2	57.8	86.6

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#50

Toluene-d8

Concen: 50.975 ug/l

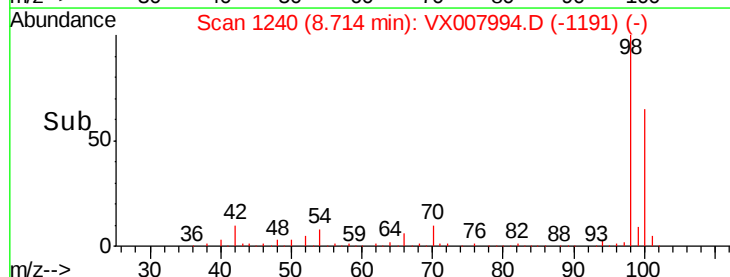
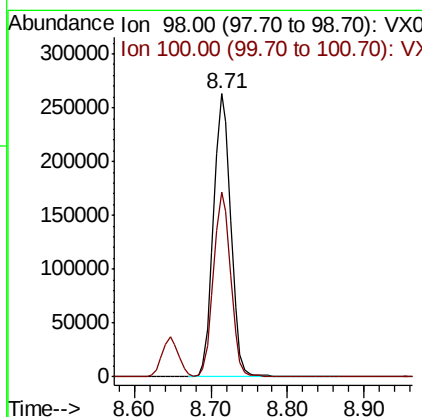
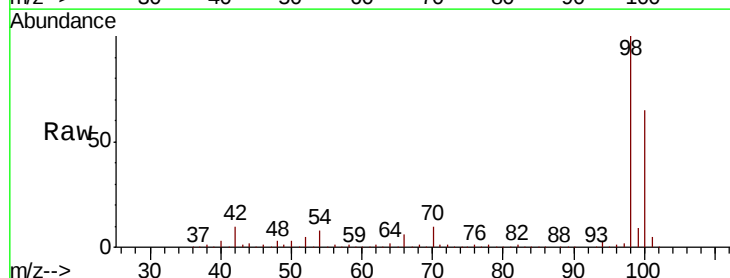
RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Tgt Ion:	98	Resp:	414295
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.7	77.5





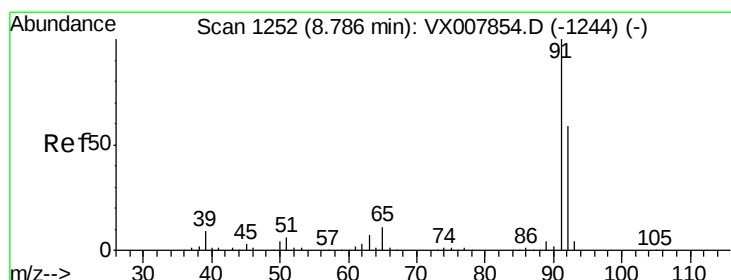
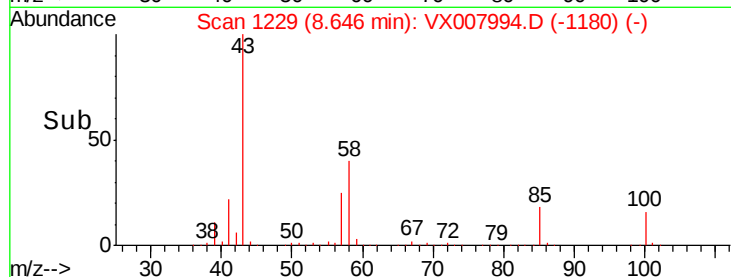
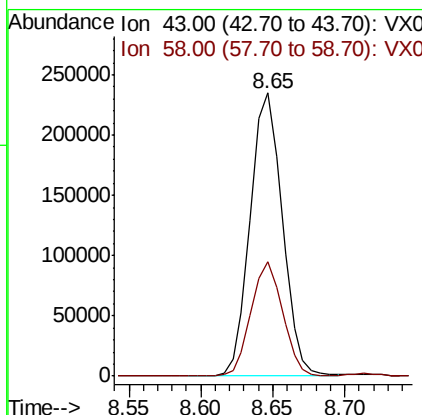
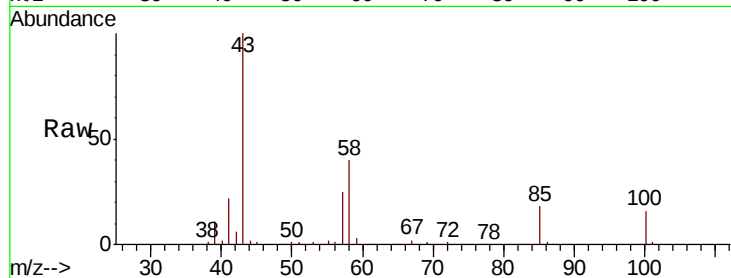
#51
4-Methyl-2-Pentanone
Concen: 102.561 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Instrument :
MSVOA_X
ClientSampled :
VX0311WBS03

Tgt Ion: 43 Resp: 362882
Ion Ratio Lower Upper
43 100
58 39.7 31.3 46.9

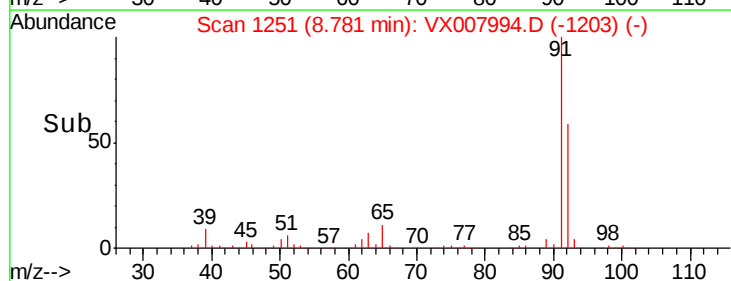
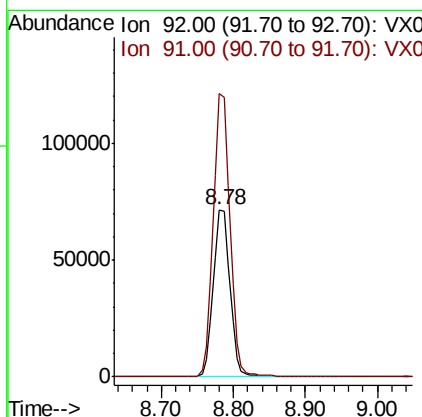
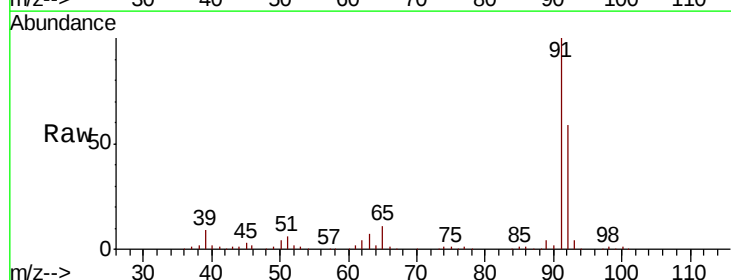
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#52
Toluene
Concen: 20.154 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Tgt Ion: 92 Resp: 114755
Ion Ratio Lower Upper
92 100
91 170.7 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 18.671 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS03

Tgt Ion: 75 Resp: 57595

Ion Ratio Lower Upper

75 100

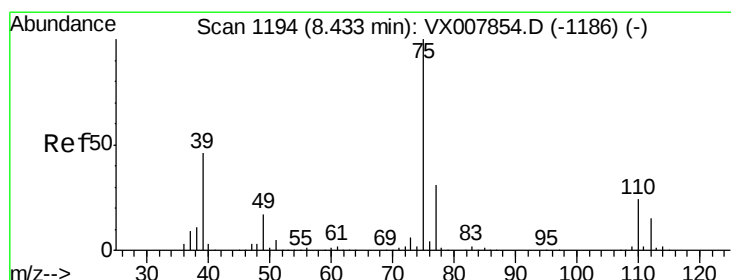
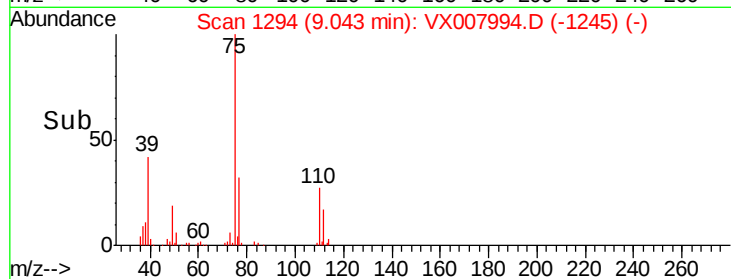
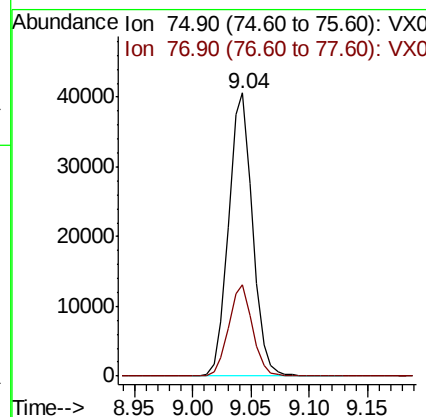
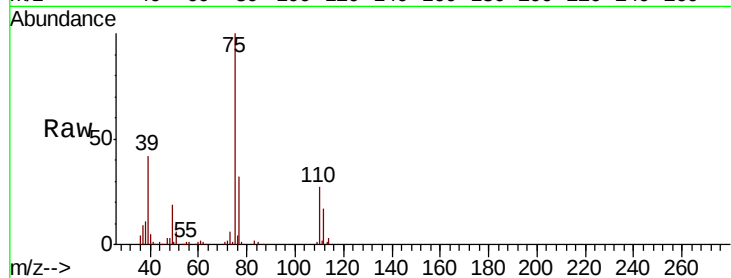
77 32.3 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.030 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

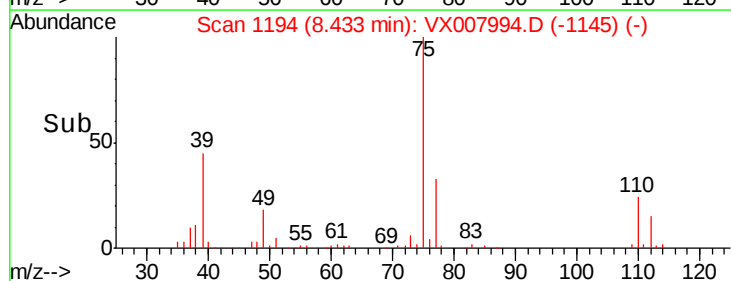
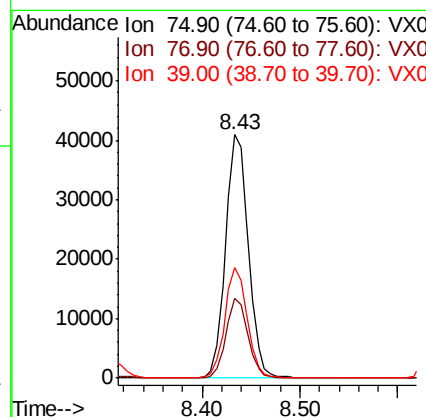
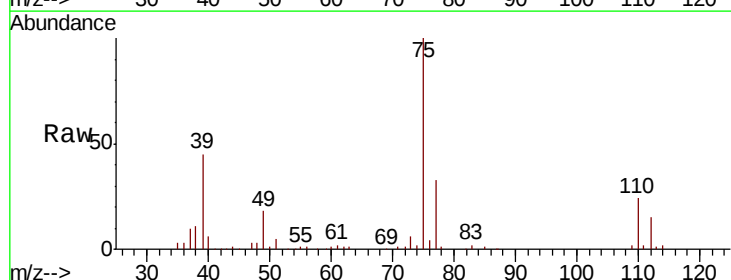
Tgt Ion: 75 Resp: 66292

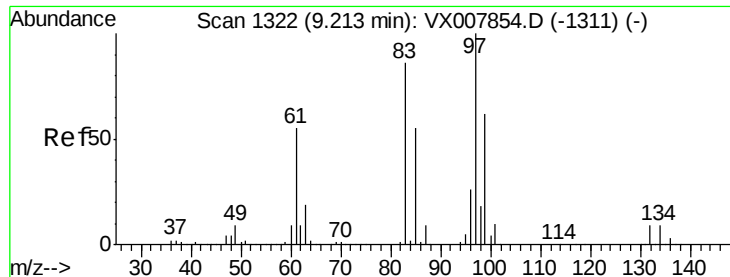
Ion Ratio Lower Upper

75 100

77 32.9 25.0 37.6

39 45.3 36.6 54.8





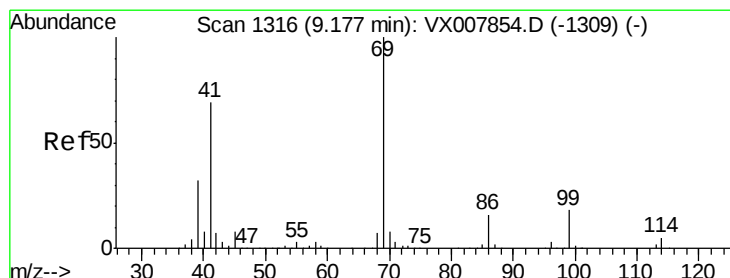
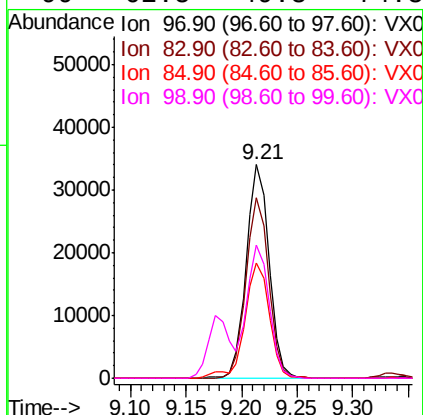
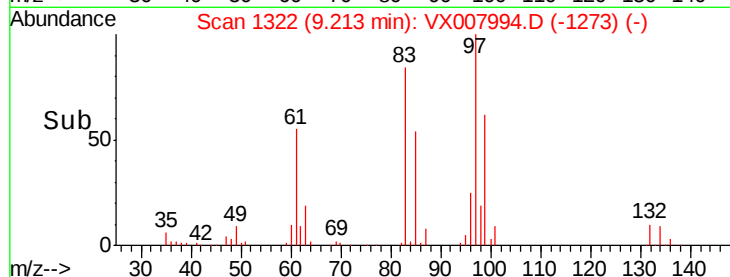
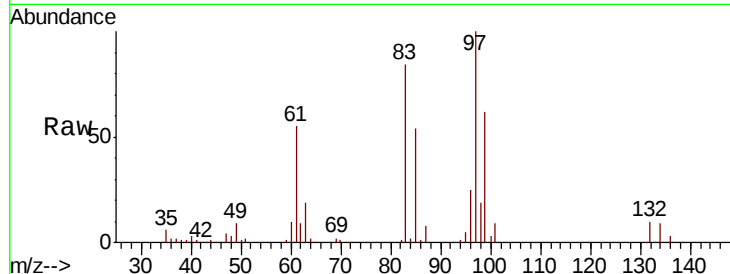
#55
 1,1,2-Trichloroethane
 Concen: 21.146 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007994.D
 Acq: 12 Mar 2019 04:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		48740		
83	84.3	69.1	103.7		
85	54.0	44.3	66.5		
99	62.5	49.8	74.8		

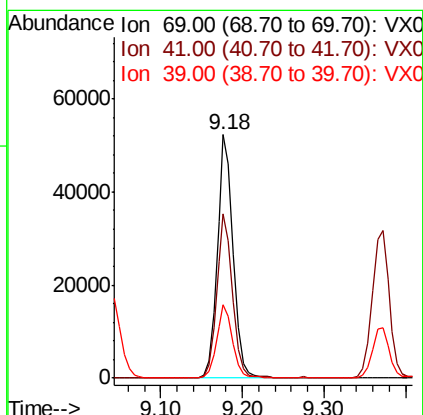
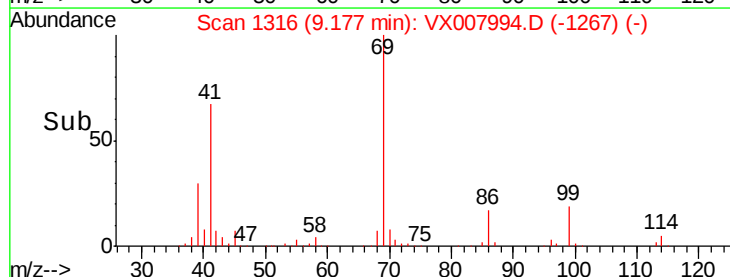
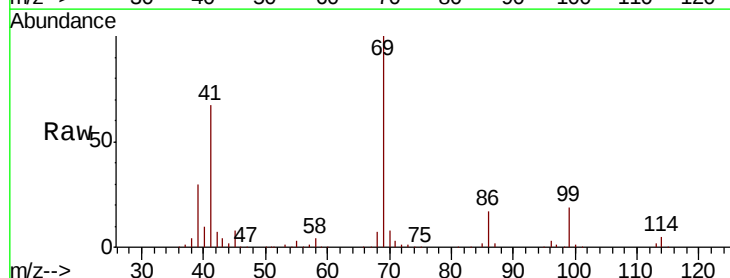
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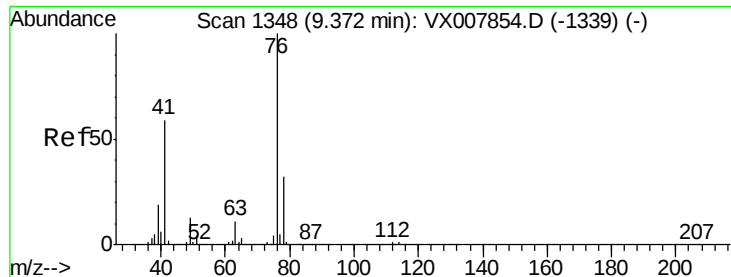
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#56
 Ethyl methacrylate
 Concen: 20.632 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007994.D
 Acq: 12 Mar 2019 04:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		71403		
41	66.5	54.2	81.4		
39	30.1	25.0	37.4		





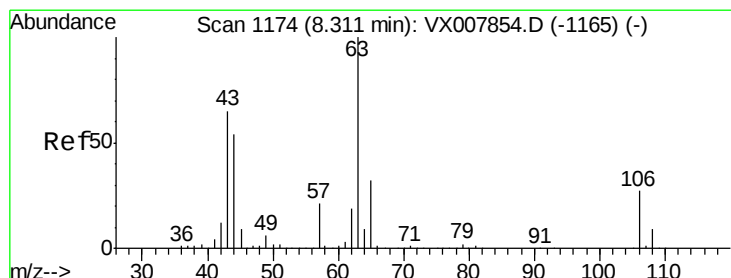
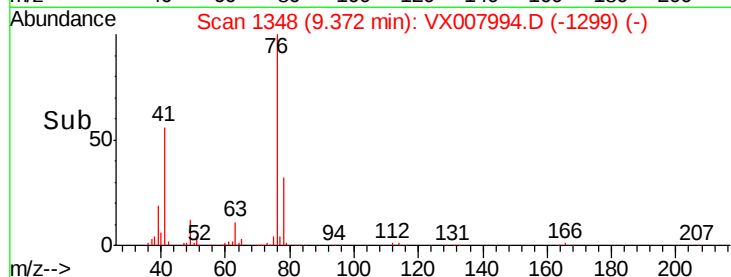
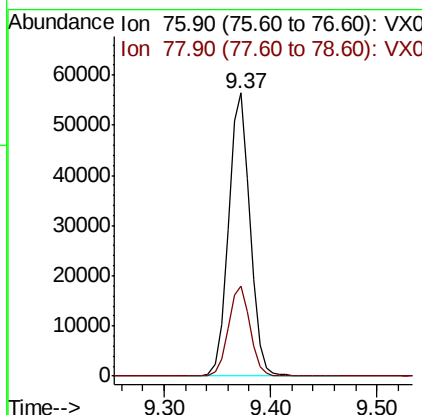
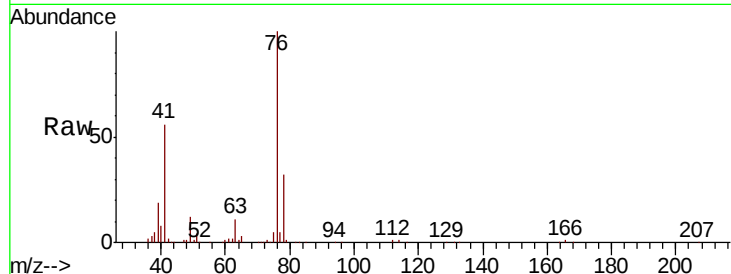
#57
 1,3-Dichloropropane
 Concen: 20.650 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX007994.D
 Acq: 12 Mar 2019 04:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS03

Tgt Ion: 76 Resp: 79918
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.5 38.3

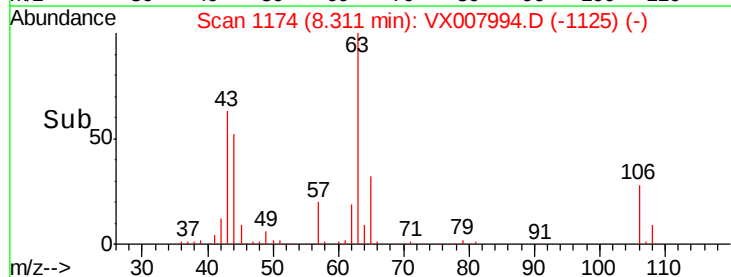
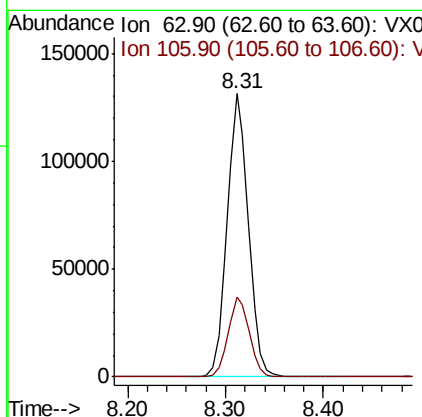
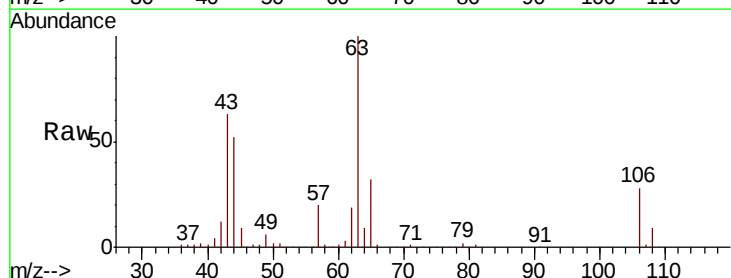
Manual Integrations
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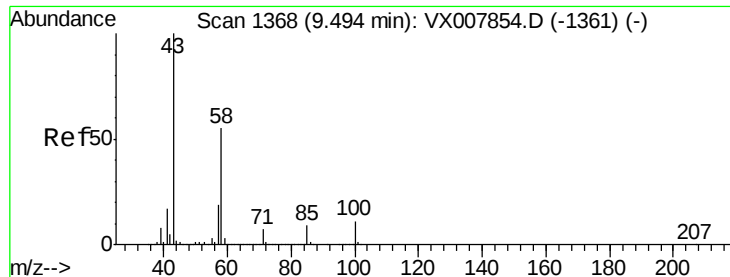
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 110.144 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX007994.D
 Acq: 12 Mar 2019 04:54

Tgt Ion: 63 Resp: 197174
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.2 33.2





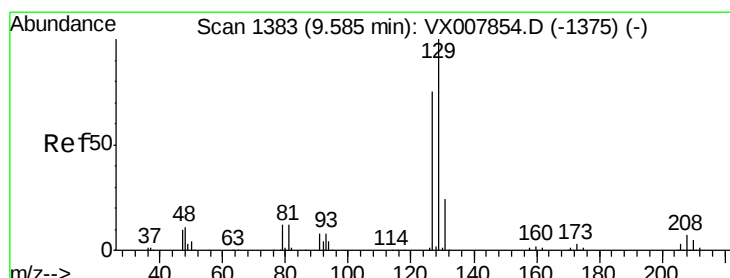
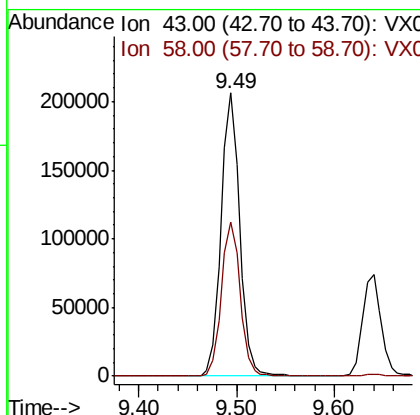
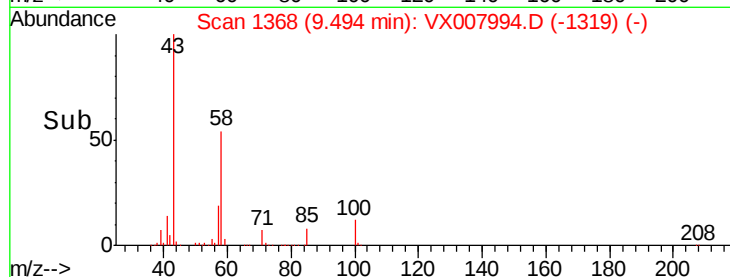
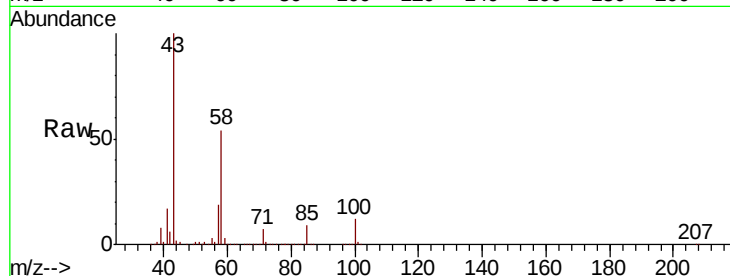
#59
2-Hexanone
Concen: 99.489 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS03

Tgt Ion: 43 Resp: 273295
Ion Ratio Lower Upper
43 100
58 55.1 27.6 82.7

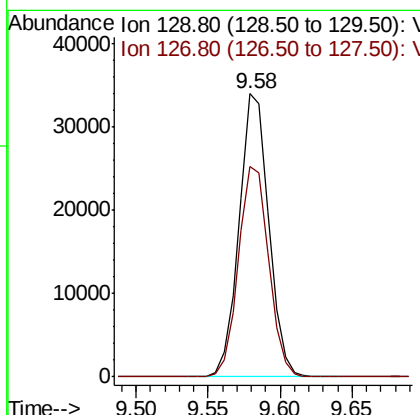
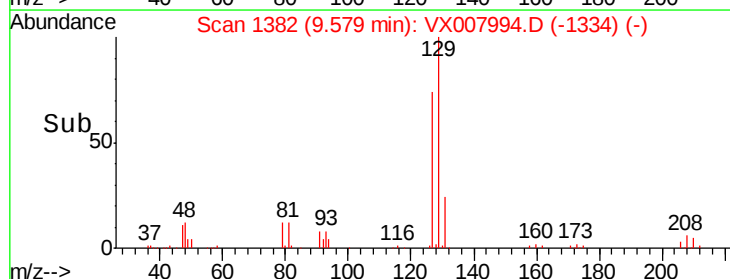
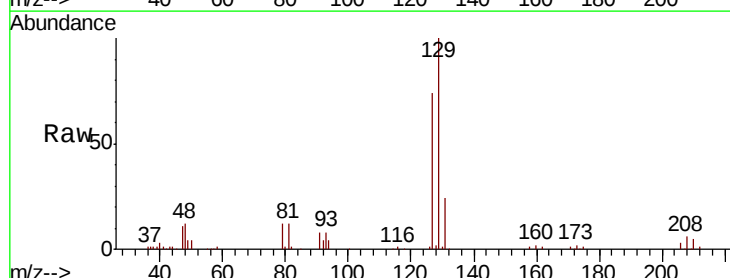
Manual Integrations
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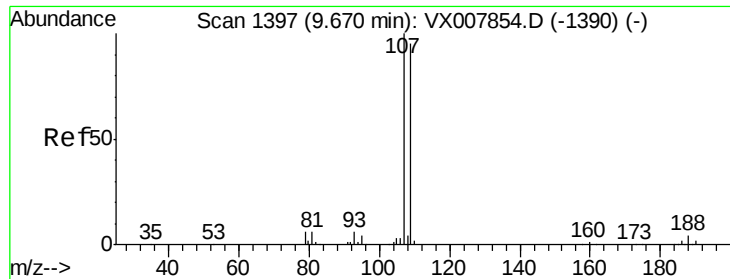
MMDadoda
3/12/2019 3:24:01 PM



#60
Dibromochloromethane
Concen: 20.155 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Tgt Ion: 129 Resp: 48558
Ion Ratio Lower Upper
129 100
127 75.9 38.3 114.8





#61

1,2-Dibromoethane

Concen: 20.586 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS03

Tgt Ion: 107 Resp: 50378

Ion Ratio Lower Upper

107 100

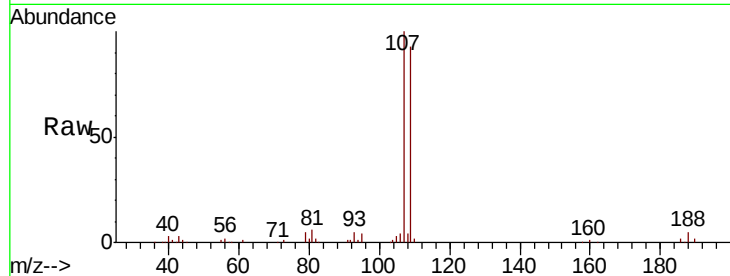
109 94.1 75.8 113.8

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

40000

30000

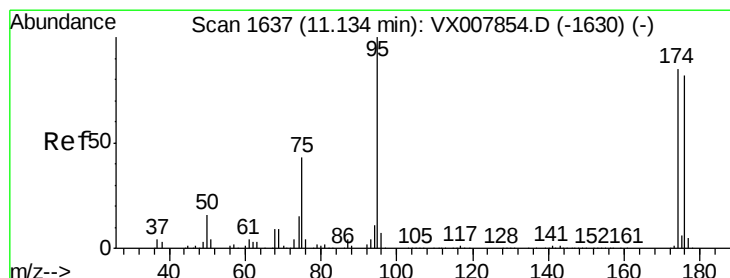
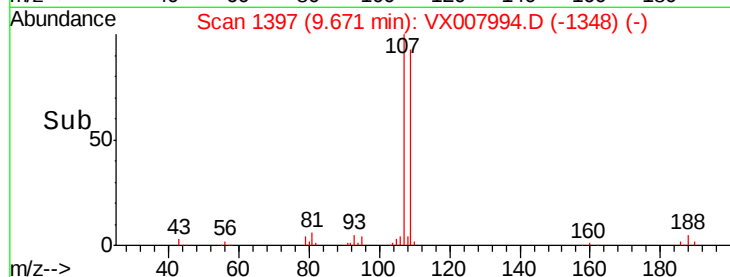
20000

10000

0

9.60 9.65 9.70 9.75 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 50.967 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

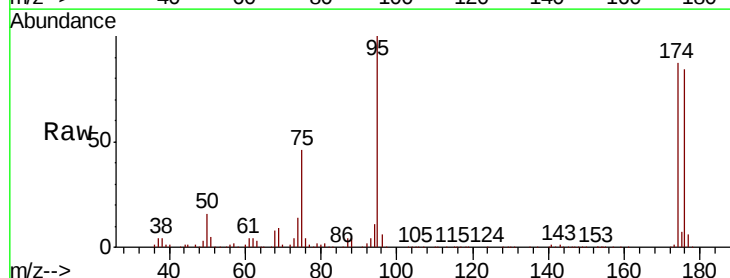
Tgt Ion: 95 Resp: 145231

Ion Ratio Lower Upper

95 100

174 92.9 0.0 182.8

176 90.1 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

150000

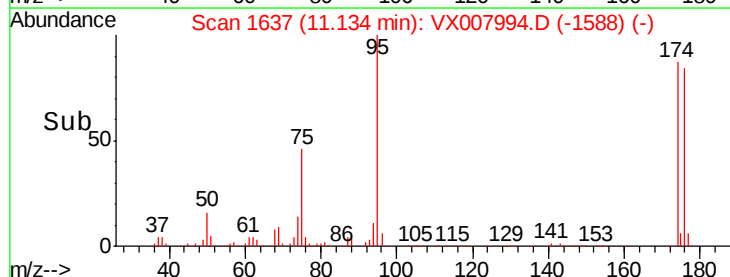
100000

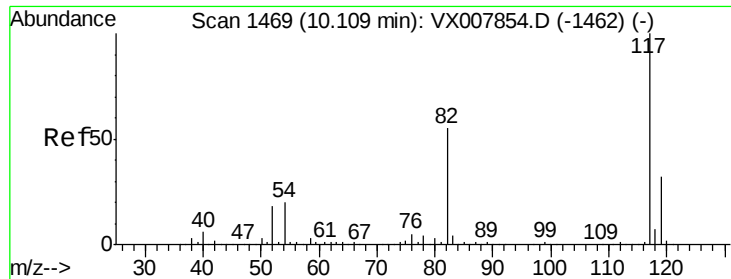
50000

0

11.10 11.20

Time-->





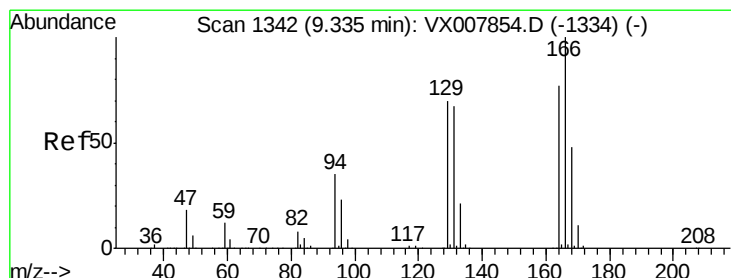
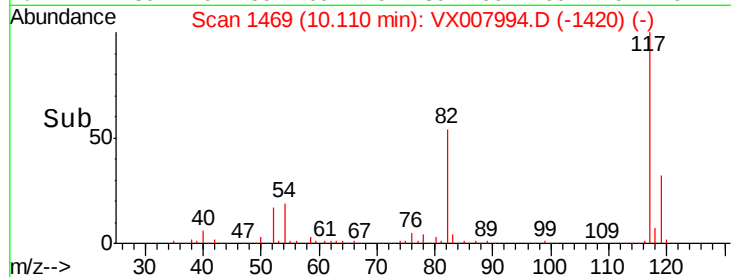
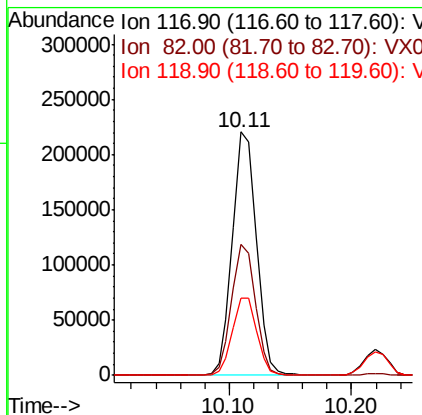
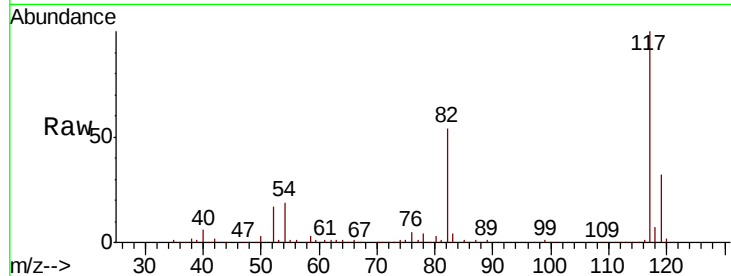
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	300497		
82	54.0	44.3	66.5	
119	31.7	25.3	37.9	

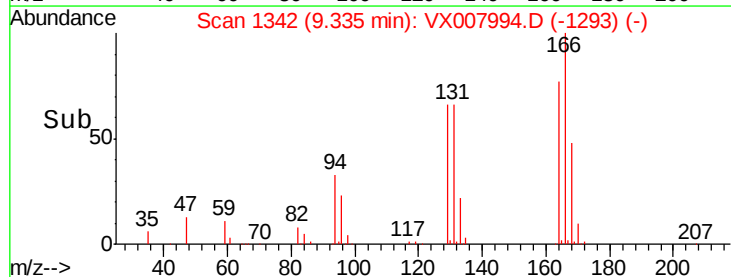
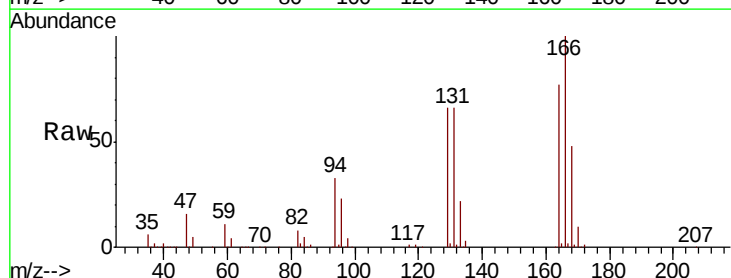
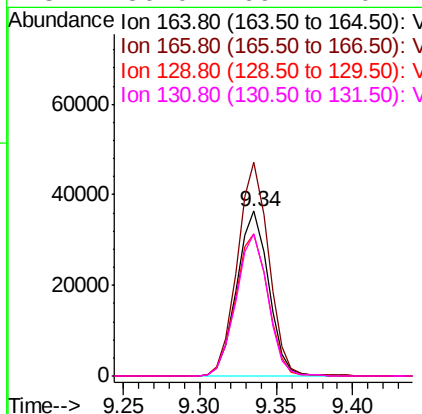
Manual Integrations
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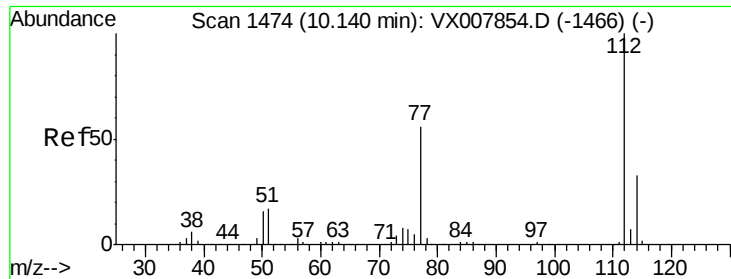
MMDadoda
3/12/2019 3:24:01 PM



#64
Tetrachloroethene
Concen: 21.181 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	52744		
166	129.7	103.4	155.0	
129	86.2	72.2	108.4	
131	86.0	69.4	104.2	





#65

Chlorobenzene

Concen: 19.852 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS03

Tgt Ion:112 Resp: 124834

Ion Ratio Lower Upper

112 100

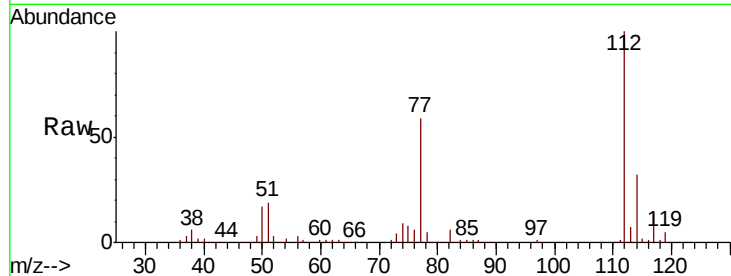
114 32.3 26.0 39.0

Manual Integrations

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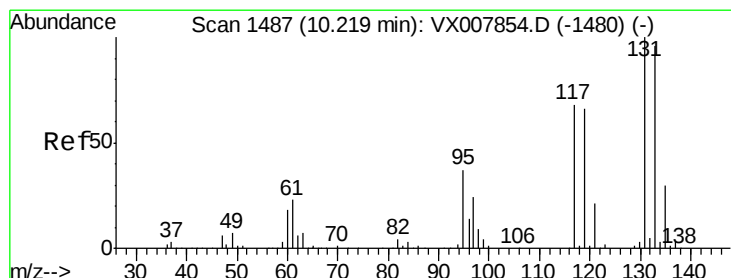
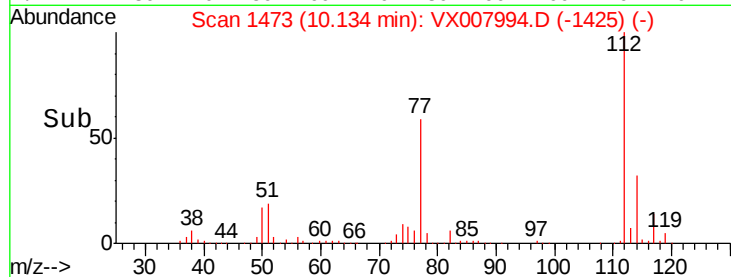
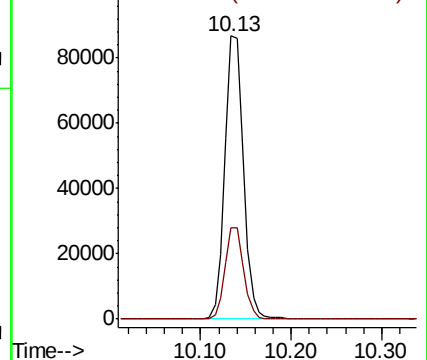
MMDadoda

3/12/2019 3:24:01 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.354 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

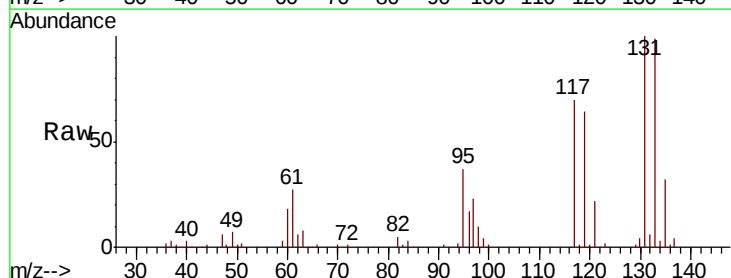
Tgt Ion:131 Resp: 45870

Ion Ratio Lower Upper

131 100

133 96.5 47.8 143.3

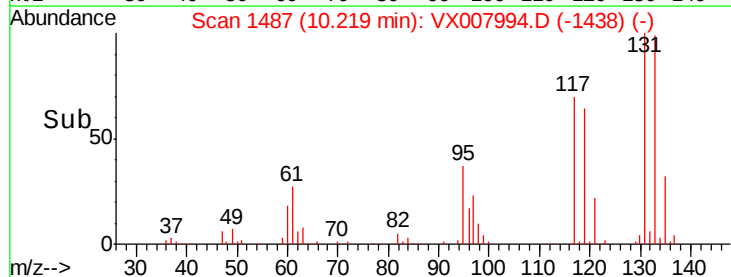
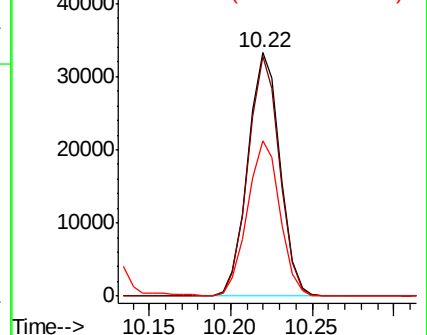
119 64.6 32.5 97.5

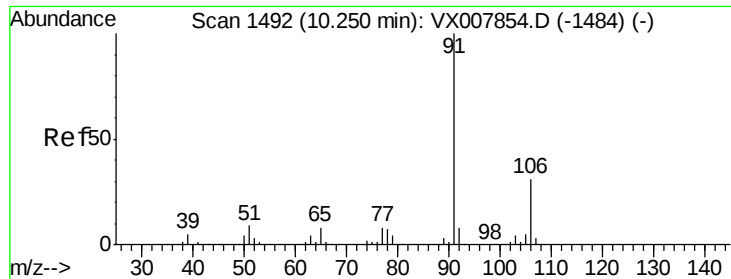


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.763 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS03

Tgt Ion: 91 Resp: 204567

Ion Ratio Lower Upper

91 100

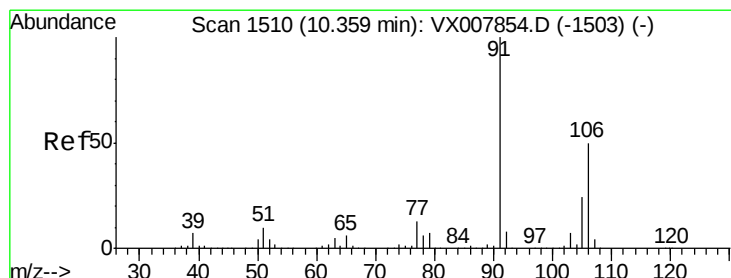
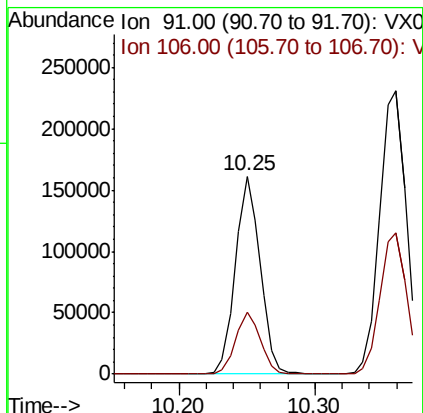
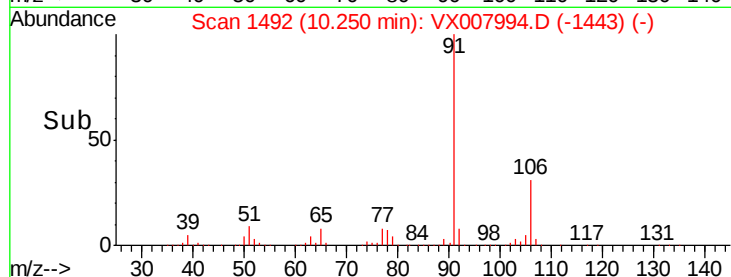
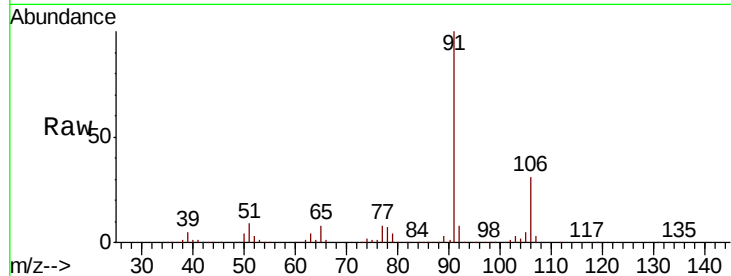
106 31.3 25.2 37.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.411 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007994.D

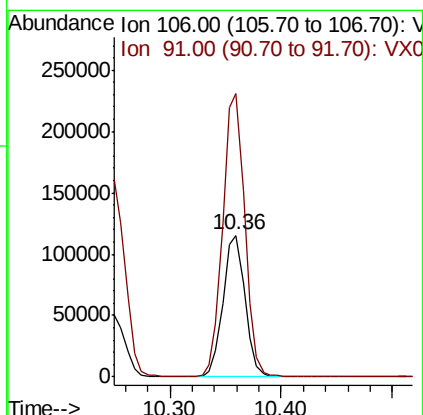
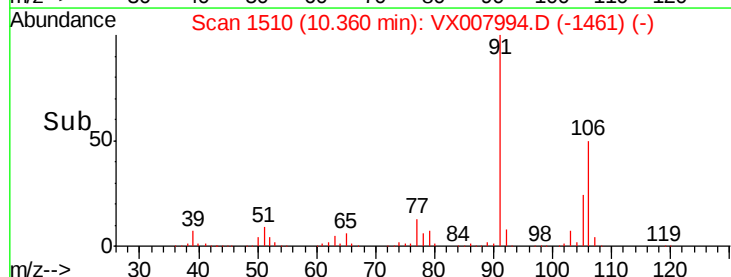
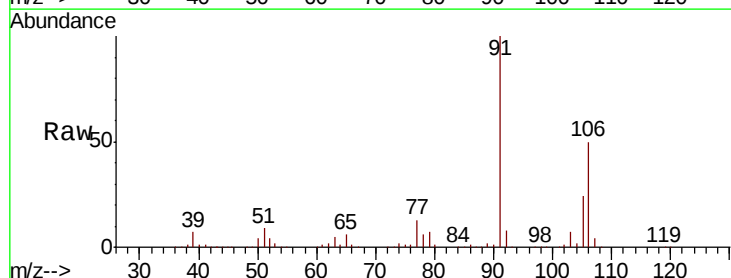
Acq: 12 Mar 2019 04:54

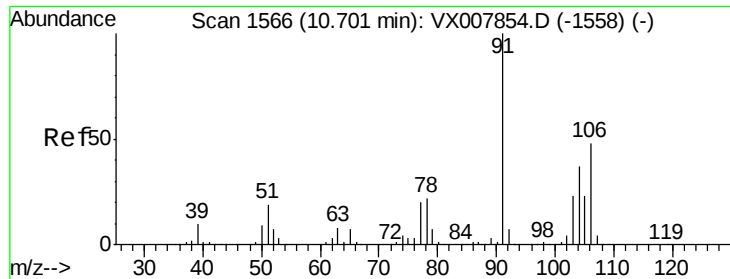
Tgt Ion: 106 Resp: 157239

Ion Ratio Lower Upper

106 100

91 201.3 159.8 239.6





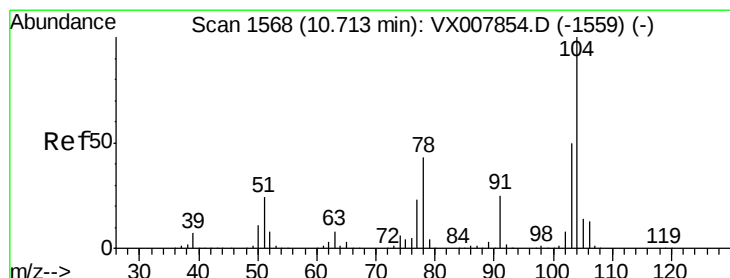
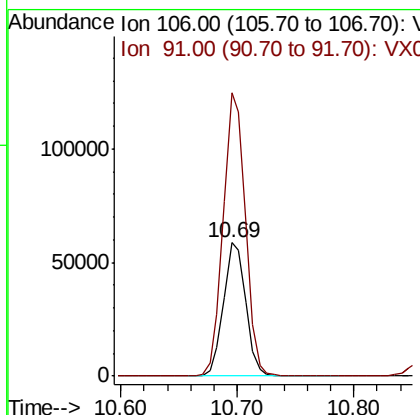
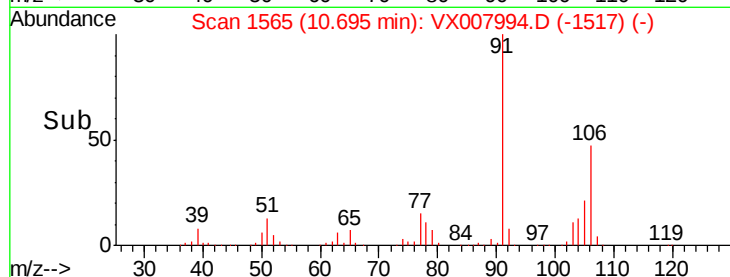
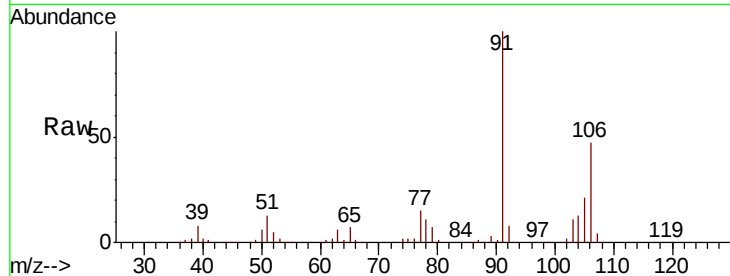
#69
o-Xylene
Concen: 20.070 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS03

Tgt Ion:106 Resp: 77309
Ion Ratio Lower Upper
106 100
91 212.9 106.3 318.9

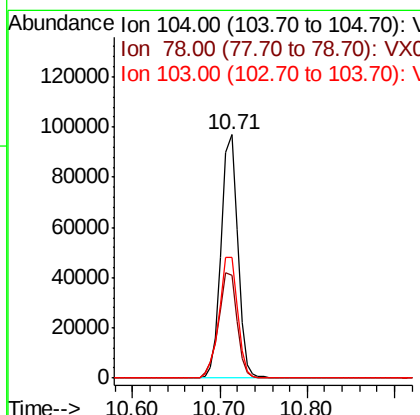
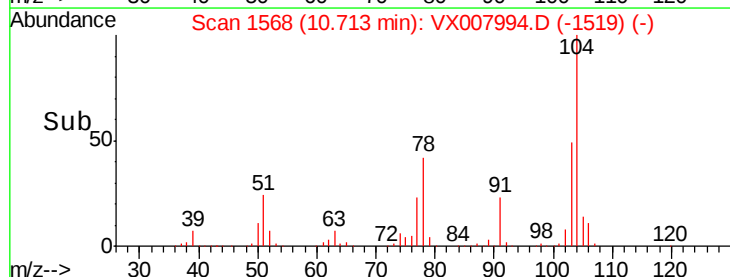
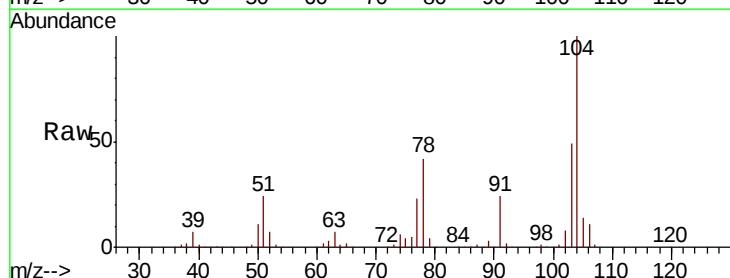
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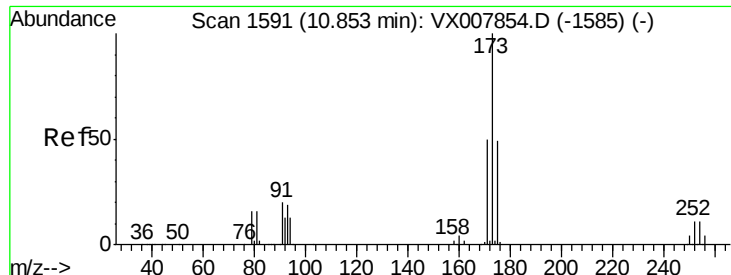
MMDadoda
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#70
Styrene
Concen: 20.221 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Tgt Ion:104 Resp: 127459
Ion Ratio Lower Upper
104 100
78 48.1 38.5 57.7
103 55.4 44.1 66.1





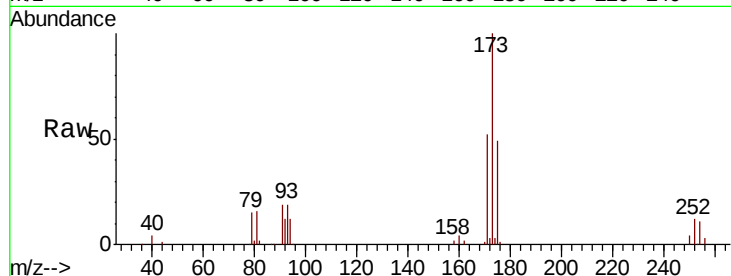
#71
Bromoform
Concen: 19.328 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS03

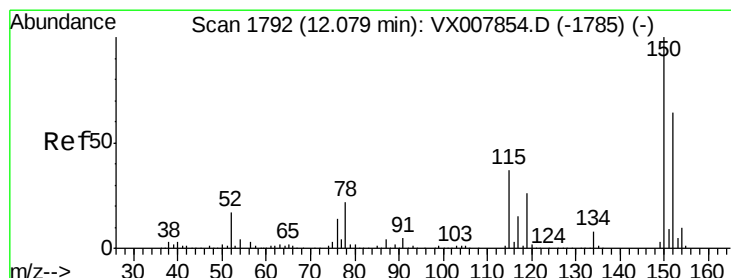
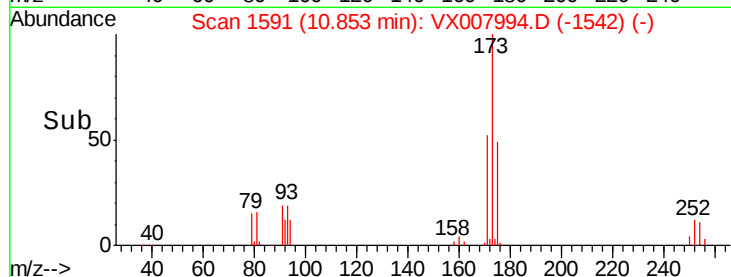
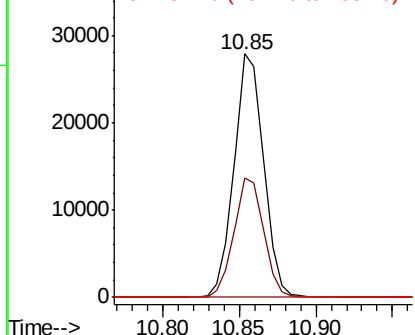
Tgt Ion:173 Resp: 37407
Ion Ratio Lower Upper
173 100
175 49.1 24.3 72.9
254 0.0 0.1 0.1#

Manual Integrations
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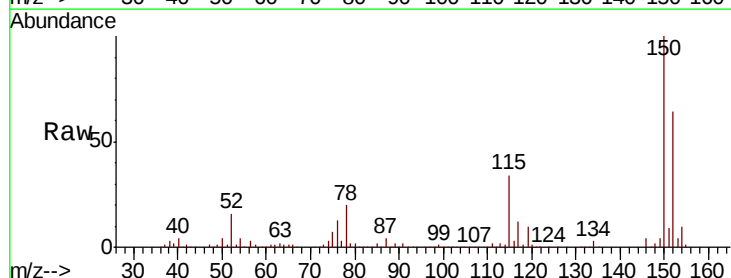


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

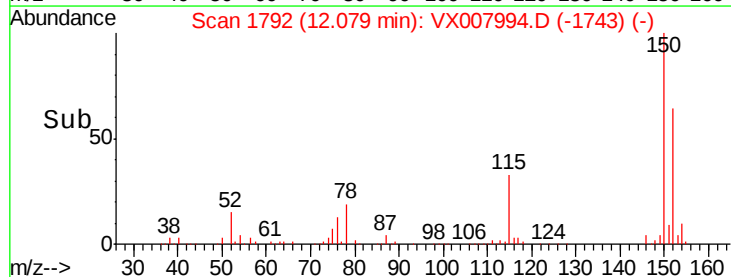
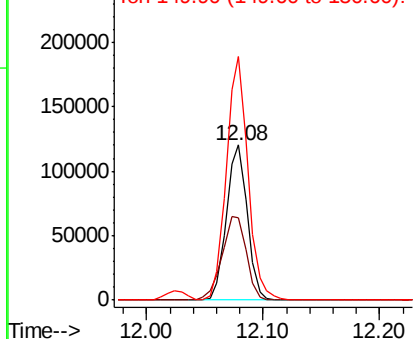


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Tgt Ion:152 Resp: 148164
Ion Ratio Lower Upper
152 100
115 63.1 38.6 115.7
150 163.0 0.0 348.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.501 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS03

Tgt Ion: 105 Resp: 205436

Ion Ratio Lower Upper

105 100

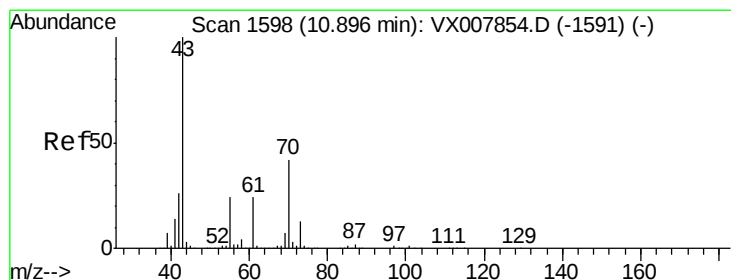
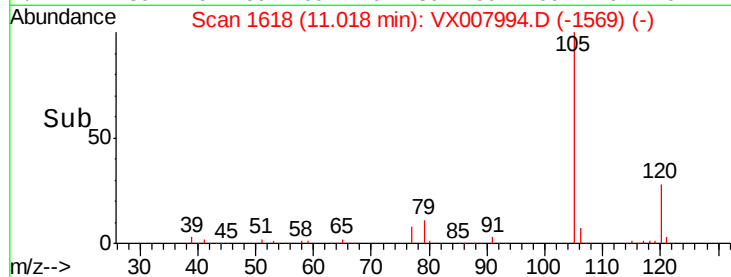
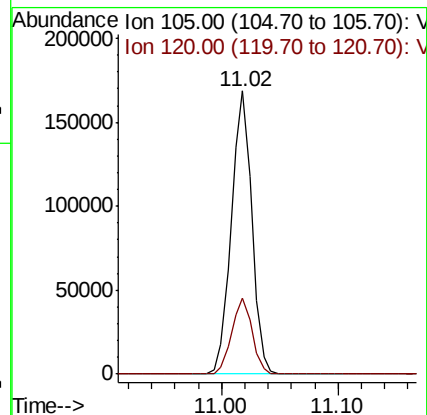
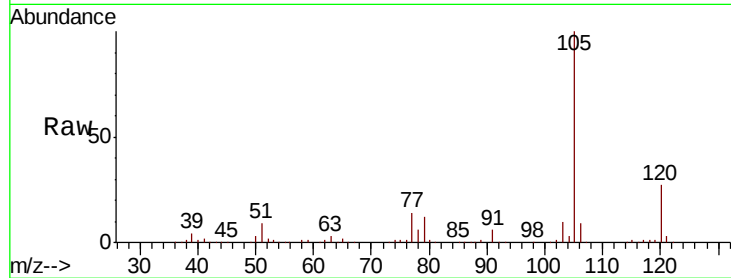
120 26.9 13.4 40.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.993 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Tgt Ion: 43 Resp: 91462

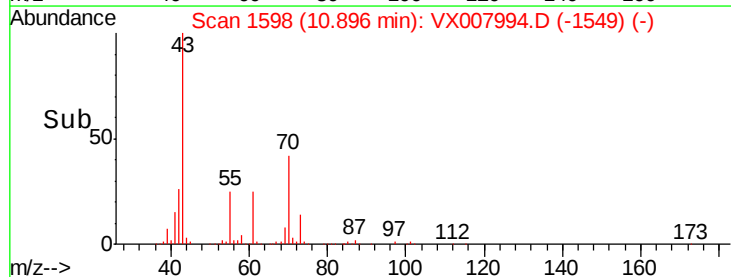
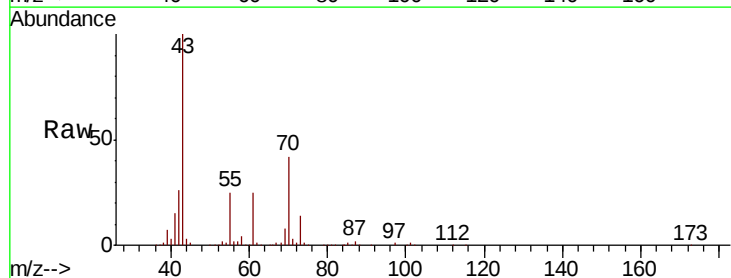
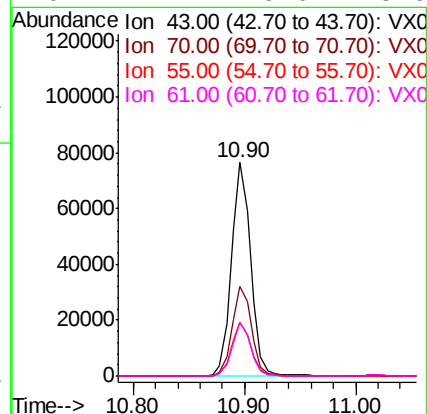
Ion Ratio Lower Upper

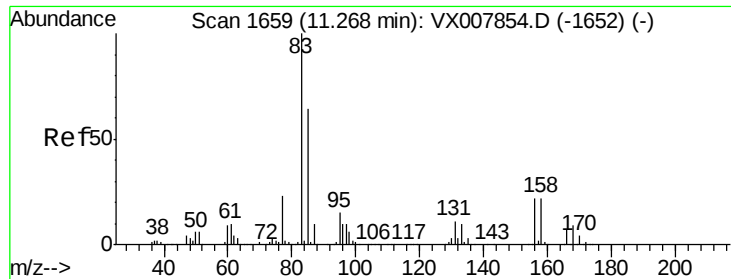
43 100

70 41.9 33.5 50.3

55 25.3 19.2 28.8

61 24.2 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.454 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS03

Tgt Ion: 83 Resp: 70698

Ion Ratio Lower Upper

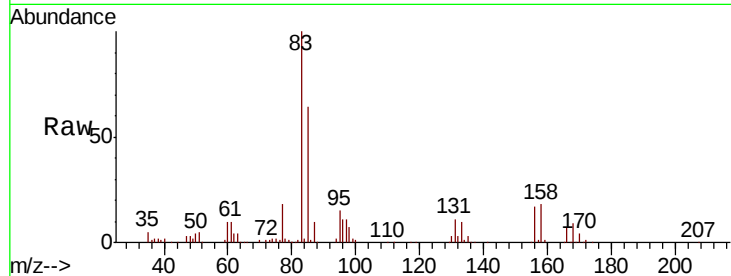
83 100

131 10.8 5.4 16.2

85 63.9 32.3 96.8

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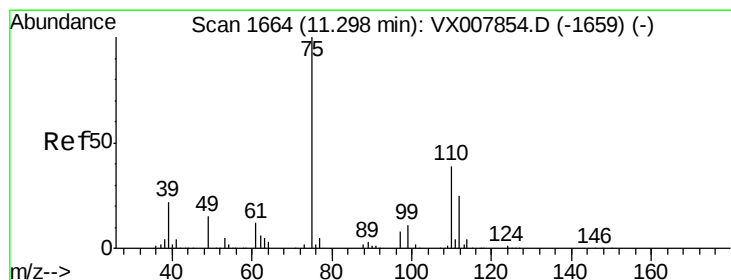
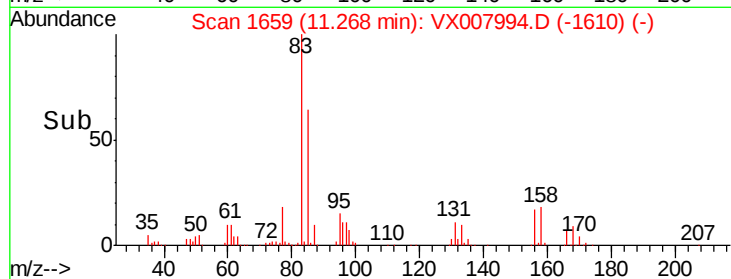
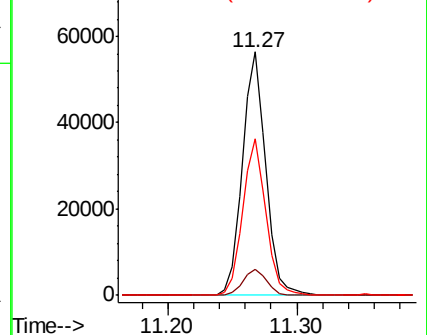
MMDadoda
3/12/2019 3:24:01 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.760 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX007994.D

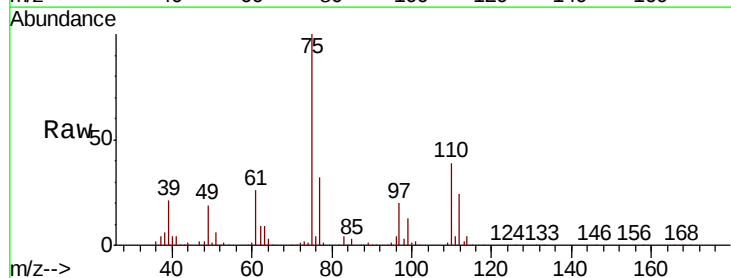
Acq: 12 Mar 2019 04:54

Tgt Ion: 75 Resp: 67654

Ion Ratio Lower Upper

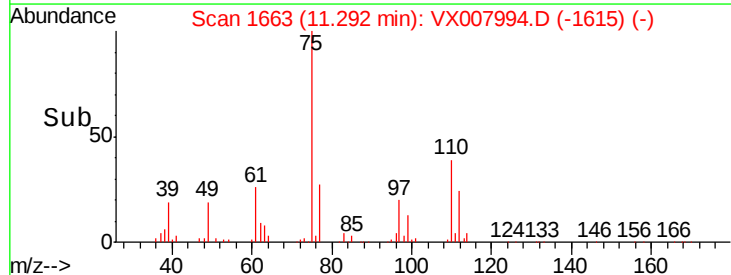
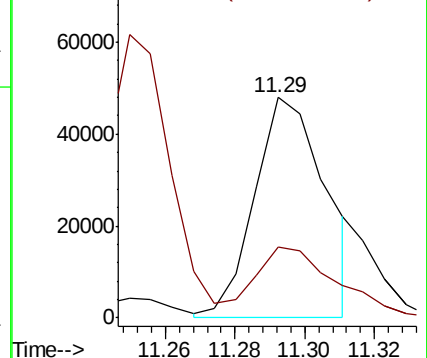
75 100

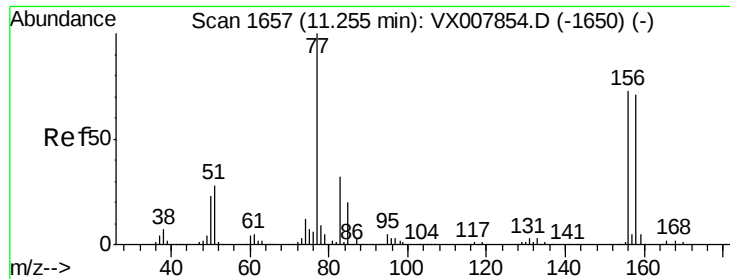
77 37.7 18.9 56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





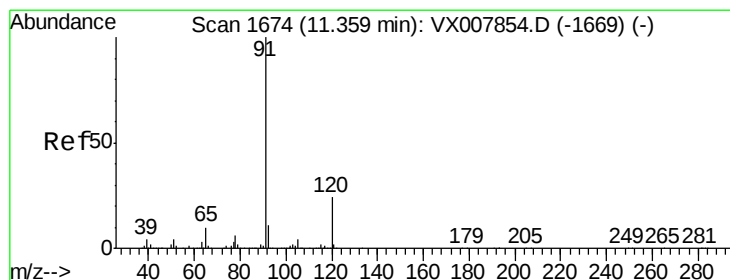
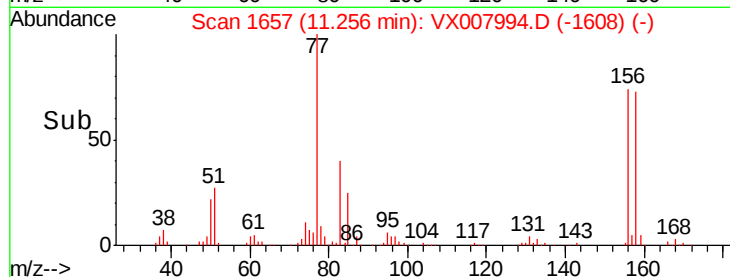
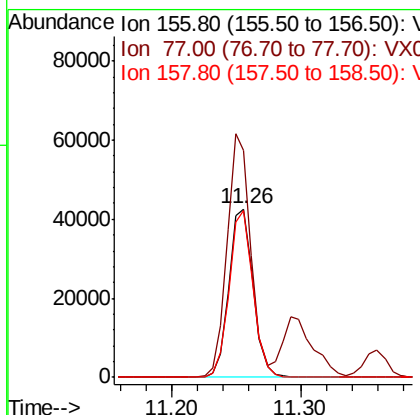
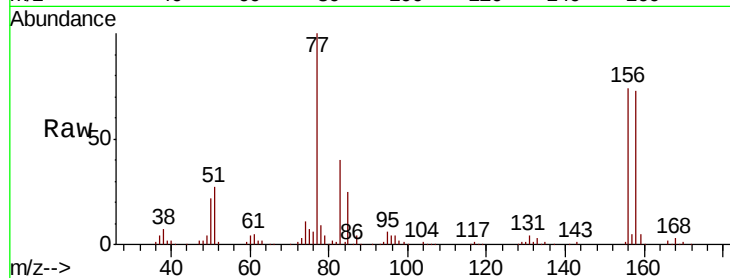
#77
Bromobenzene
Concen: 20.476 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS03

Tgt Ion	Ratio	Lower	Upper
156	100		
77	140.7	72.0	215.9
158	97.5	48.6	145.9

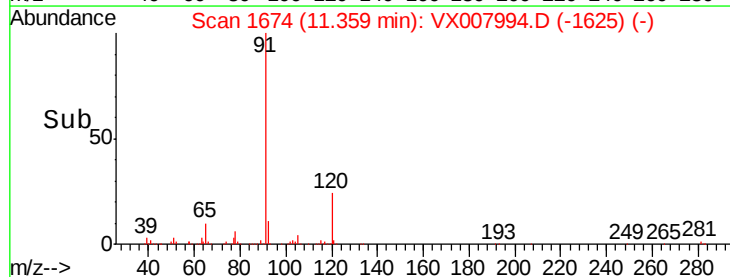
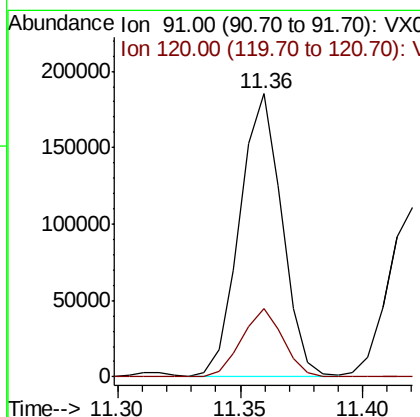
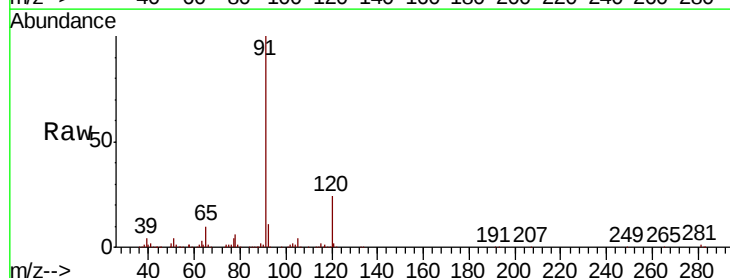
Manual Integrations
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#78
n-propylbenzene
Concen: 19.914 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	12.0	36.0





#79

2-Chlorotoluene

Concen: 20.121 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS03

Tgt Ion: 91 Resp: 136760

Ion Ratio Lower Upper

91 100

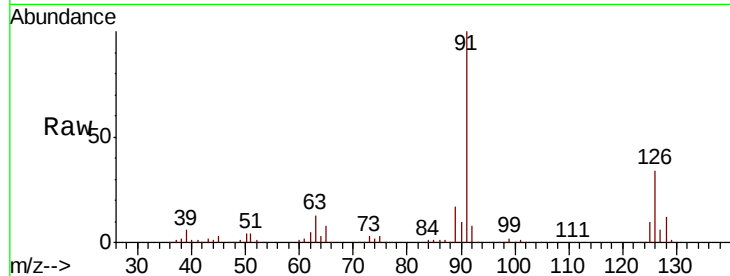
126 35.2 17.5 52.6

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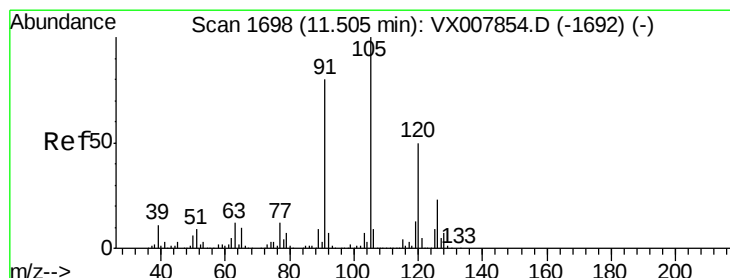
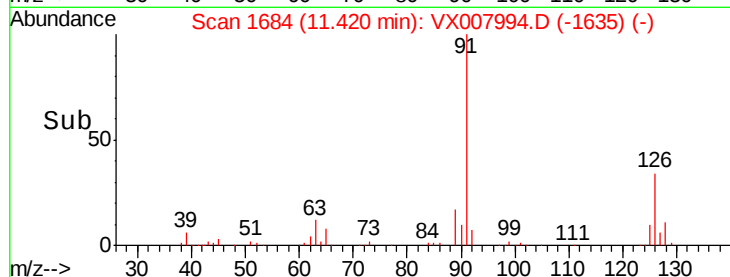
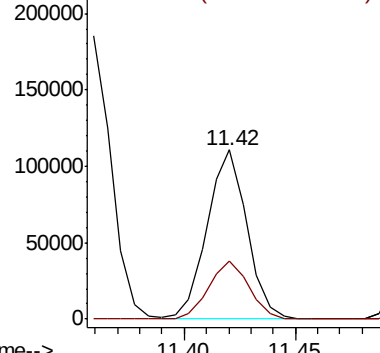
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.425 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007994.D

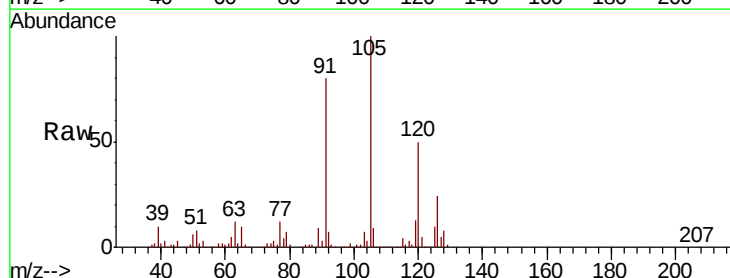
Acq: 12 Mar 2019 04:54

Tgt Ion: 105 Resp: 168456

Ion Ratio Lower Upper

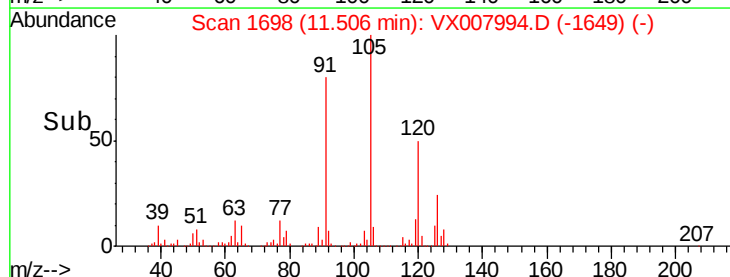
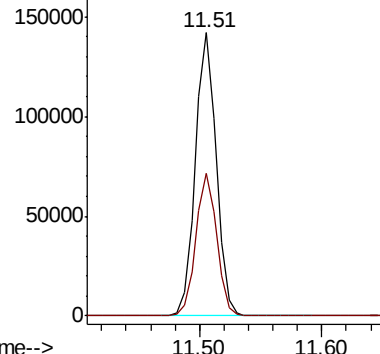
105 100

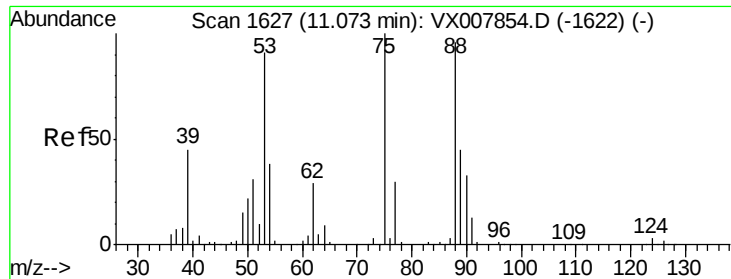
120 50.1 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.051 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBS03

Tgt Ion: 75 Resp: 17557
Ion Ratio Lower Upper

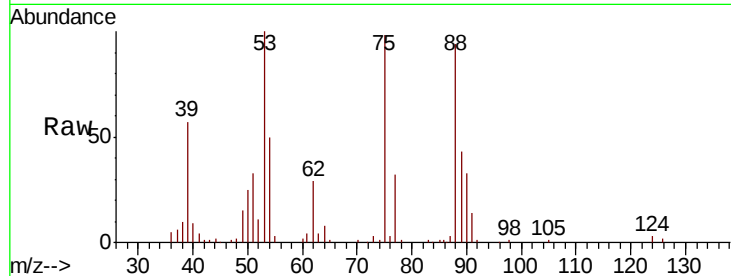
75 100

53 100.9 76.1 114.1

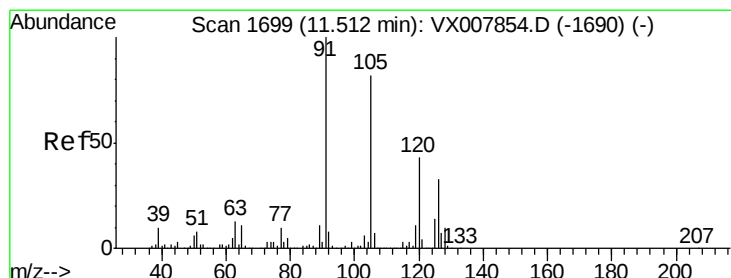
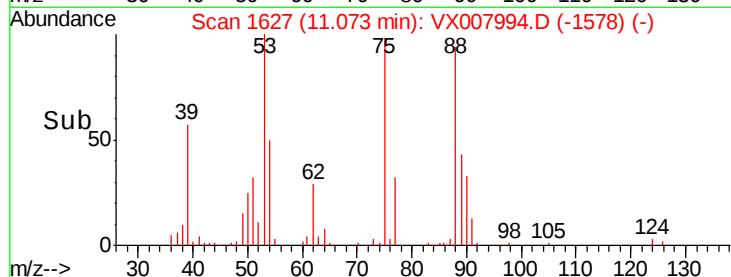
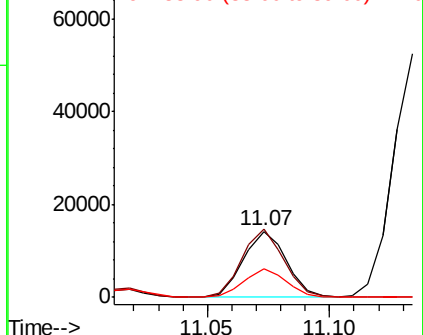
89 42.7 36.3 54.5

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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 19.900 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

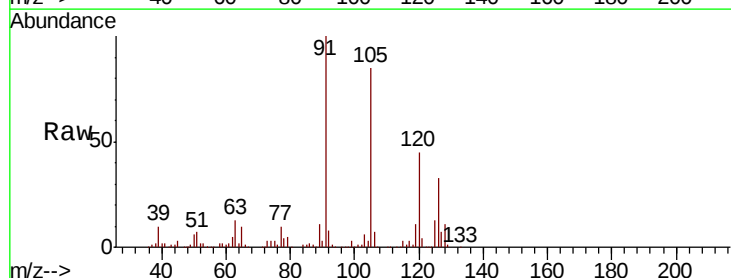
Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

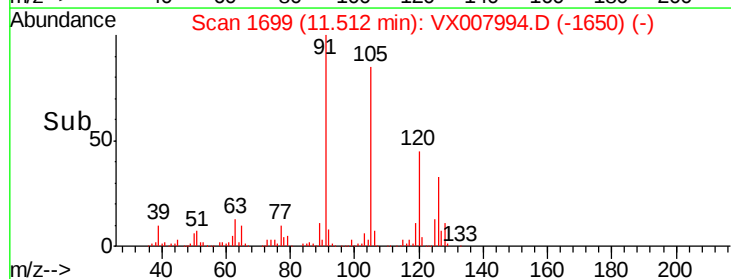
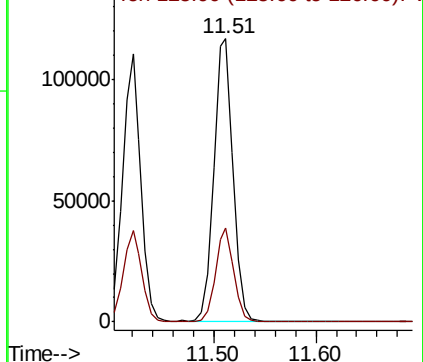
Tgt Ion: 91 Resp: 155005
Ion Ratio Lower Upper

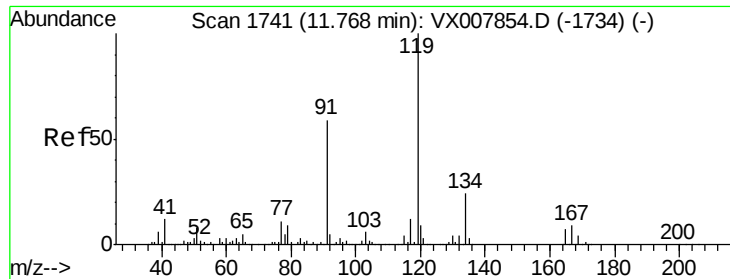
91 100

126 31.3 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





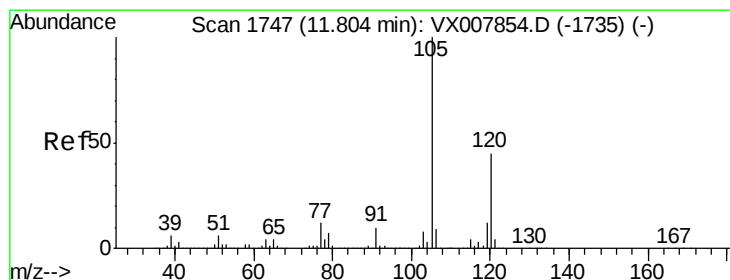
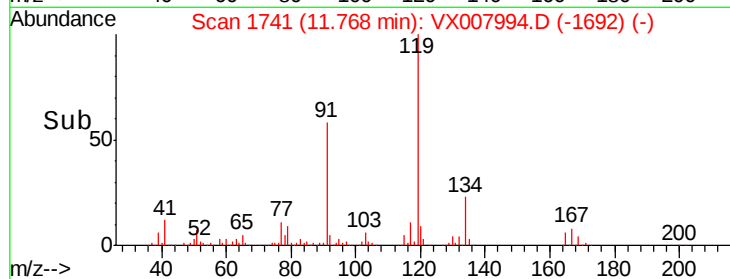
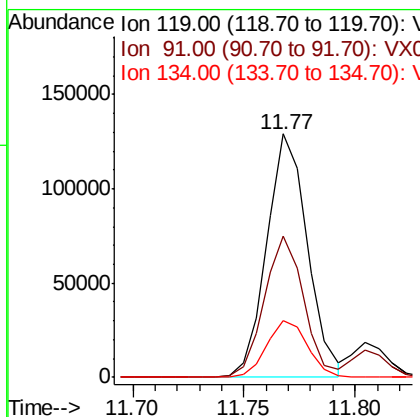
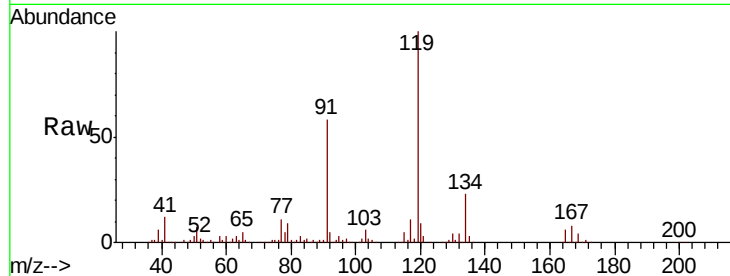
#83
 tert-Butylbenzene
 Concen: 19.756 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX007994.D
 Acq: 12 Mar 2019 04:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS03

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	164122		
91	56.4	27.1	81.3	
134	23.3	11.4	34.1	

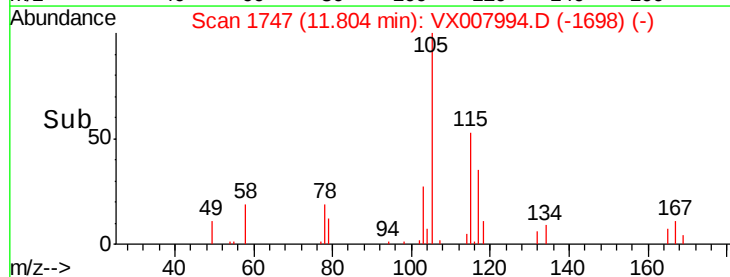
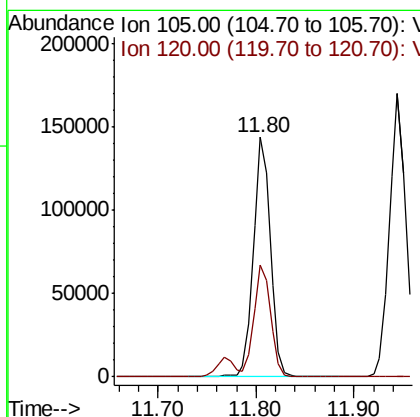
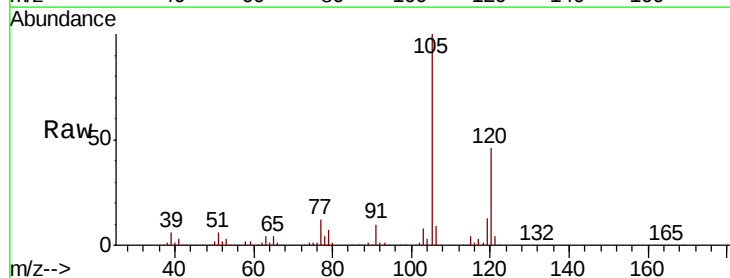
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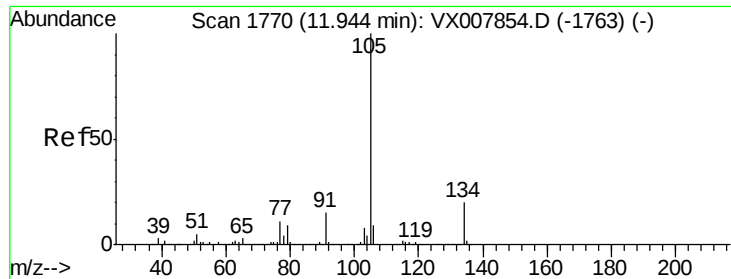
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.433 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007994.D
 Acq: 12 Mar 2019 04:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	172751		
120	45.7	22.6	67.7	





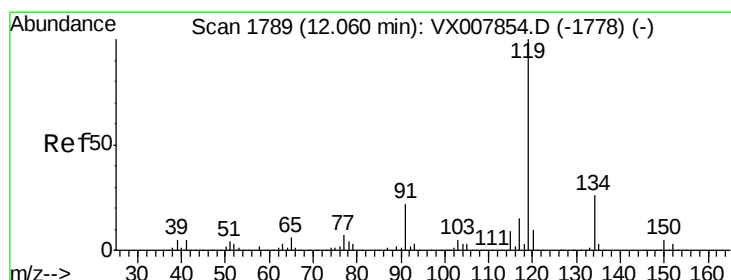
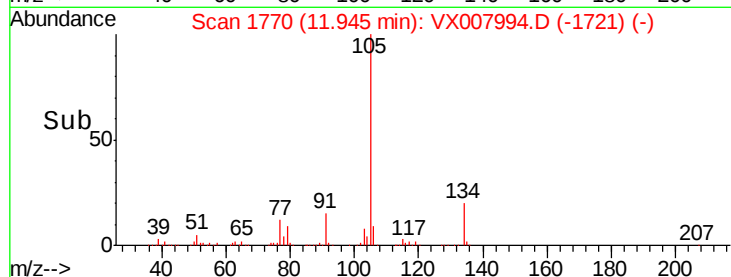
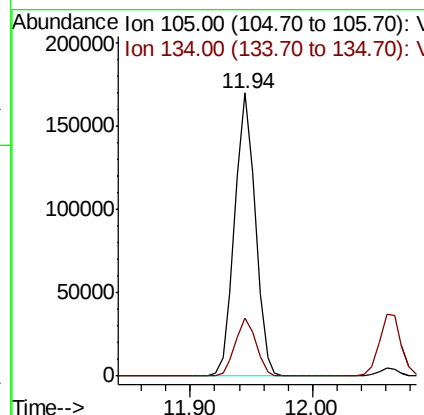
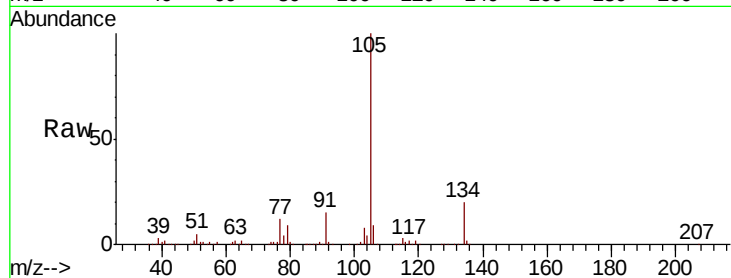
#85
 sec-Butylbenzene
 Concen: 20.119 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX007994.D
 Acq: 12 Mar 2019 04:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	196852		
134	20.5	10.4	31.2	

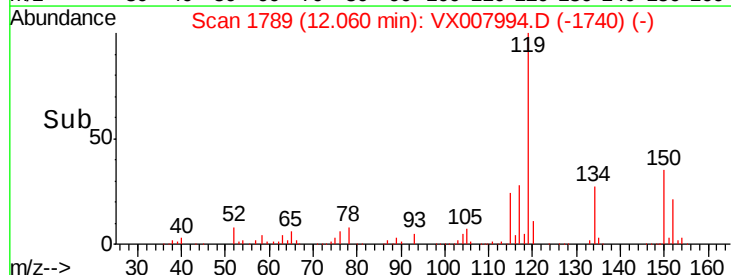
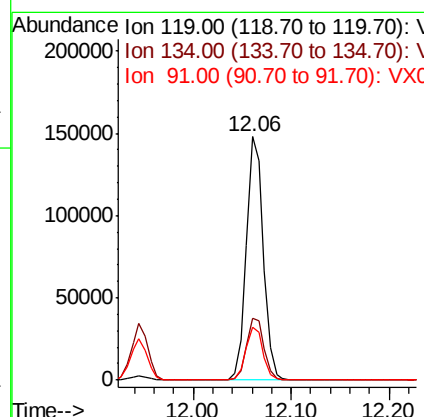
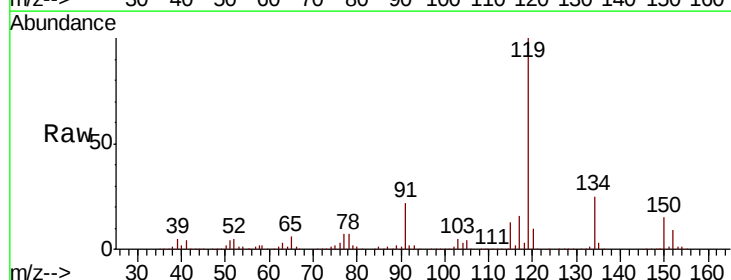
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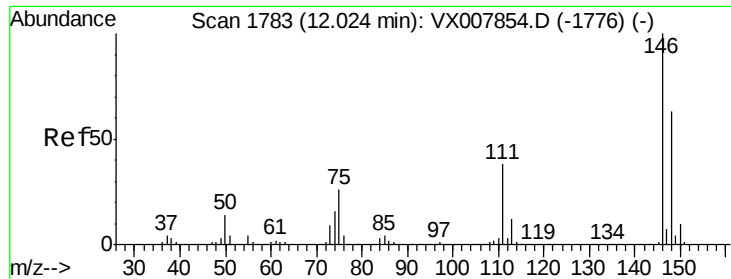
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#86
 p-Isopropyltoluene
 Concen: 20.212 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX007994.D
 Acq: 12 Mar 2019 04:54

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	177111		
134	26.1	13.3	39.9	
91	22.0	10.9	32.7	





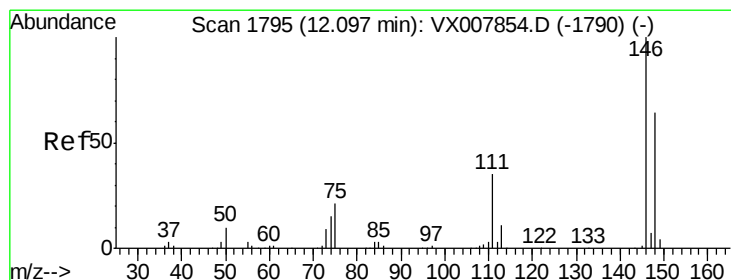
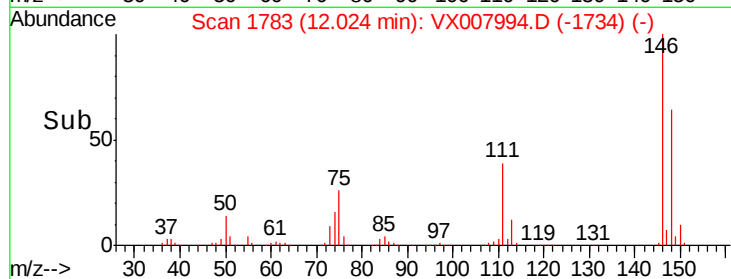
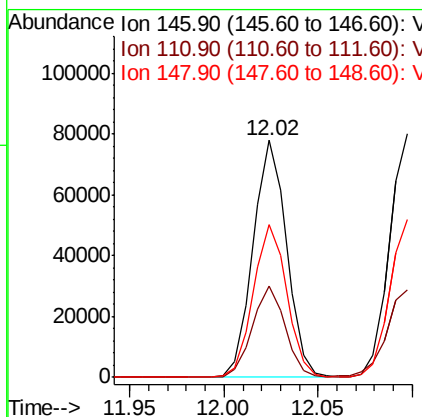
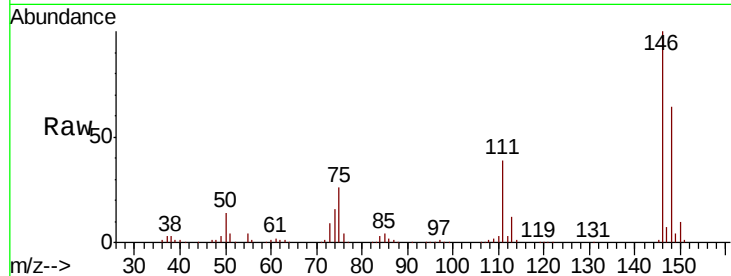
#87
 1,3-Dichlorobenzene
 Concen: 19.816 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007994.D
 Acq: 12 Mar 2019 04:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.9	56.7
148	64.5	31.7	95.1

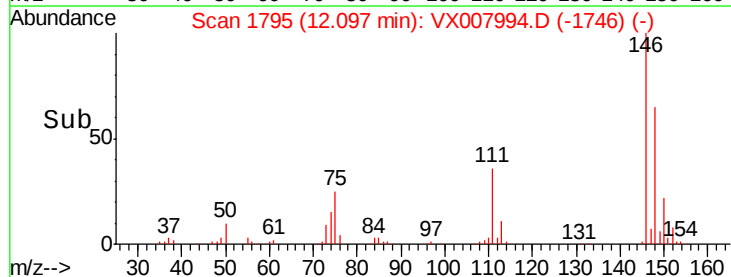
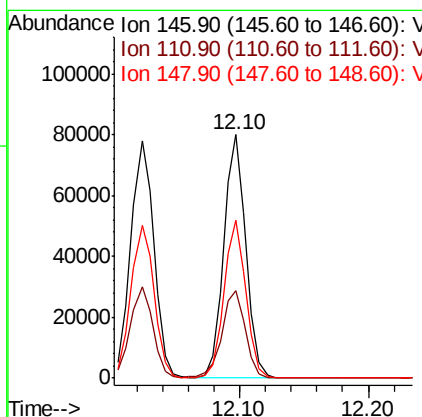
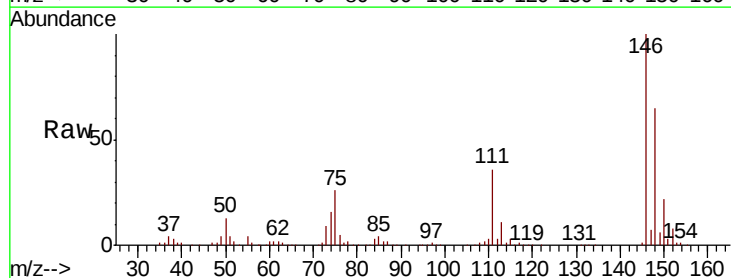
Manual Integrations
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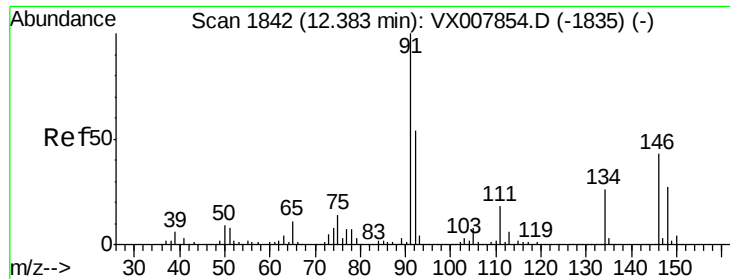
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#88
 1,4-Dichlorobenzene
 Concen: 19.395 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007994.D
 Acq: 12 Mar 2019 04:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.4	55.0
148	64.7	32.2	96.6





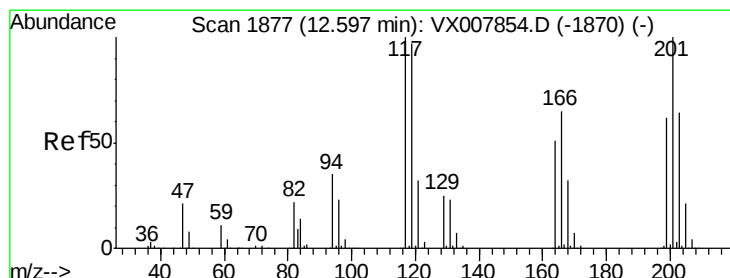
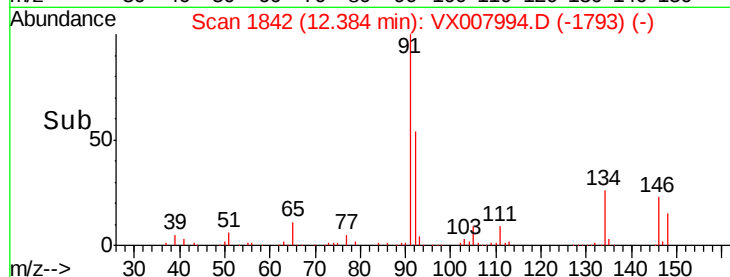
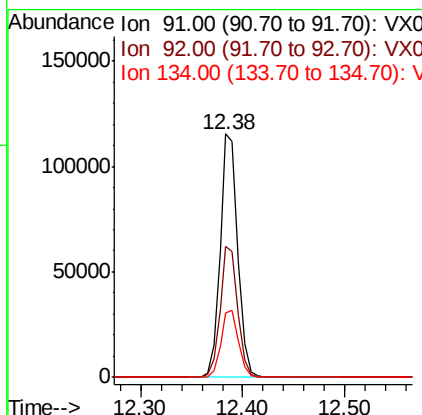
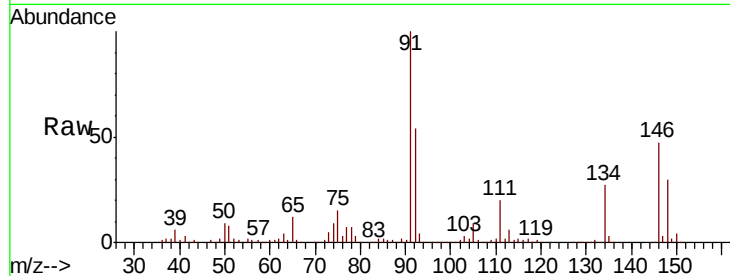
#89
n-Butylbenzene
Concen: 18.730 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS03

Tgt Ion: 91 Resp: 139048
Ion Ratio Lower Upper
91 100
92 53.6 27.0 80.8
134 27.4 13.7 41.0

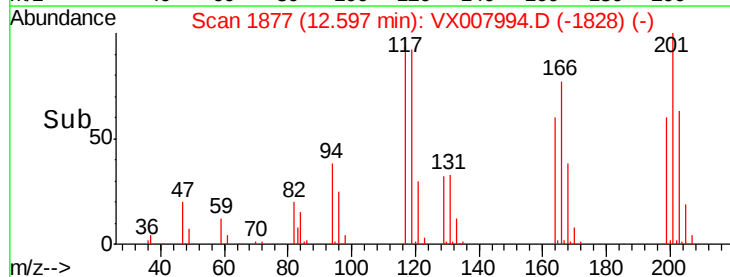
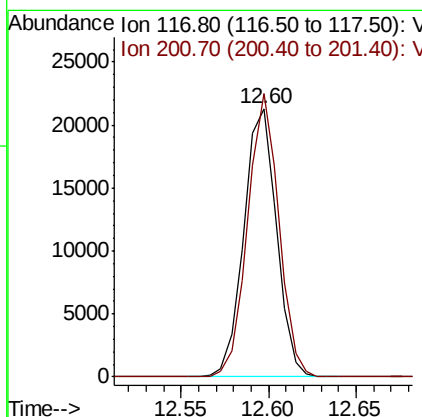
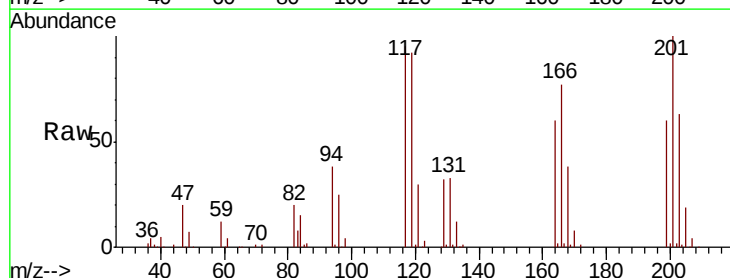
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#90
Hexachloroethane
Concen: 18.901 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007994.D
Acq: 12 Mar 2019 04:54

Tgt Ion: 117 Resp: 27691
Ion Ratio Lower Upper
117 100
201 100.6 48.9 146.7





#91

1,2-Dichlorobenzene

Concen: 20.062 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Instrument :

MSVOA_X

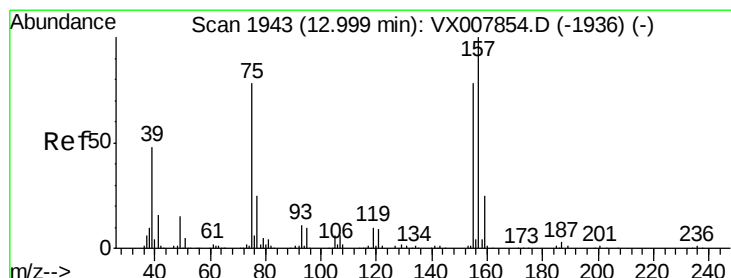
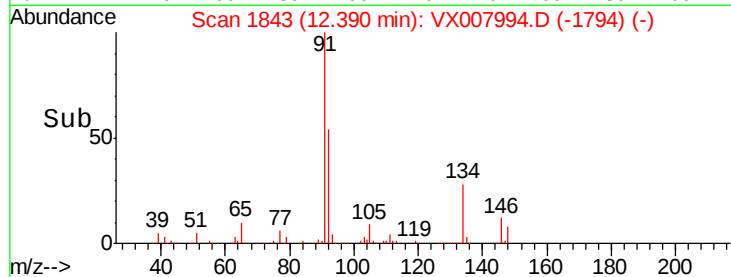
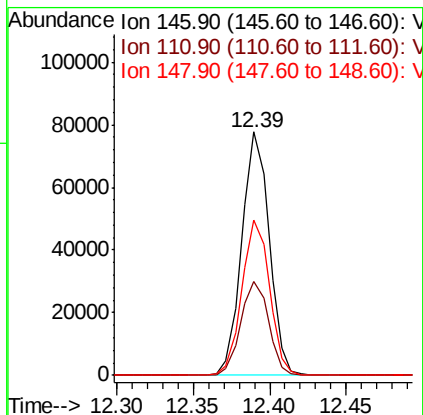
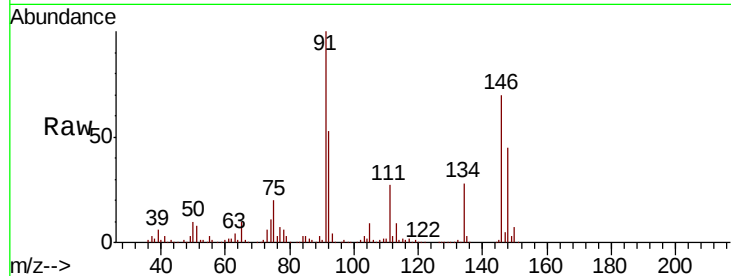
ClientSampleId :

VX0311WBS03

Tgt Ion:	146	Resp:	96865
Ion Ratio	Lower	Upper	
146	100		
111	39.3	19.6	58.8
148	64.4	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.853 ug/l

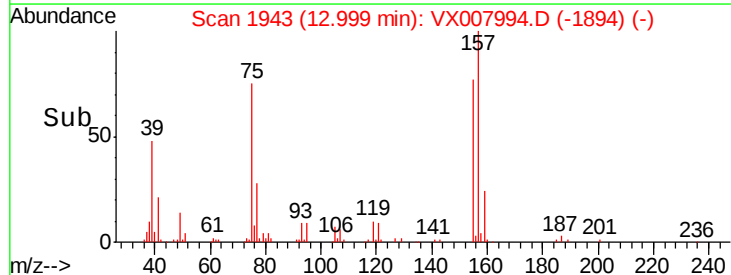
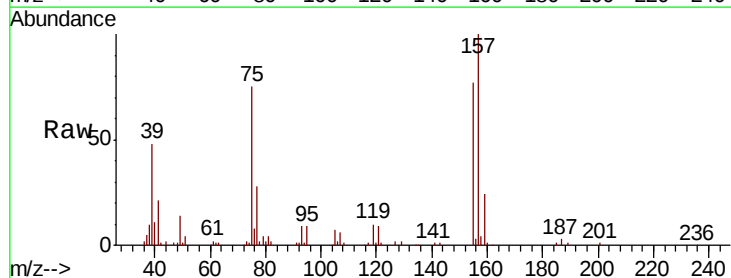
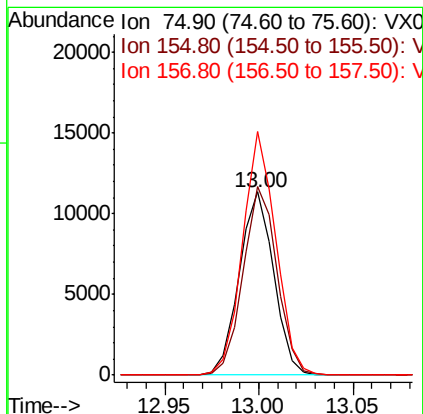
RT: 13.00 min Scan# 1943

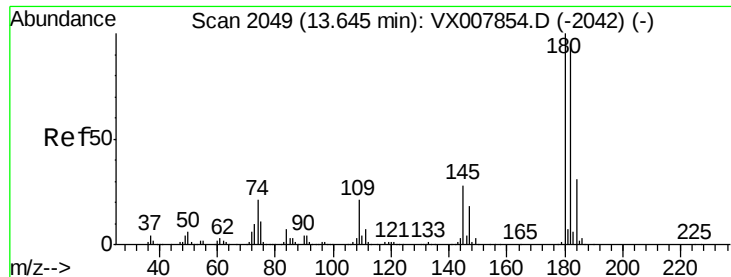
Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Tgt Ion:	75	Resp:	14341
Ion Ratio	Lower	Upper	
75	100		
155	101.5	49.7	149.1
157	128.3	63.8	191.4





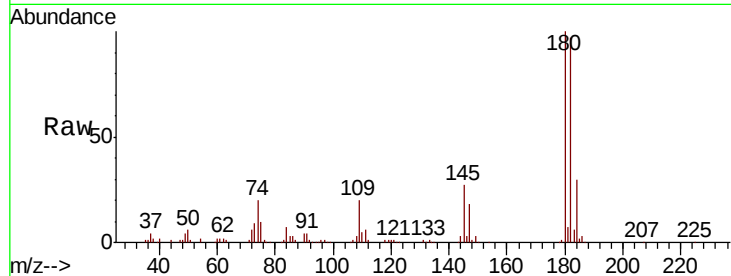
#93
 1,2,4-Trichlorobenzene
 Concen: 19.469 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007994.D
 Acq: 12 Mar 2019 04:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS03

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	66038		
182	96.2	47.9	143.7	
145	27.6	14.1	42.4	

Manual Integrations
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 3/12/2019 3:24:01 PM

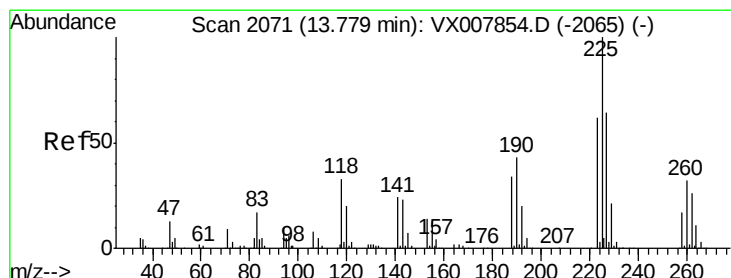
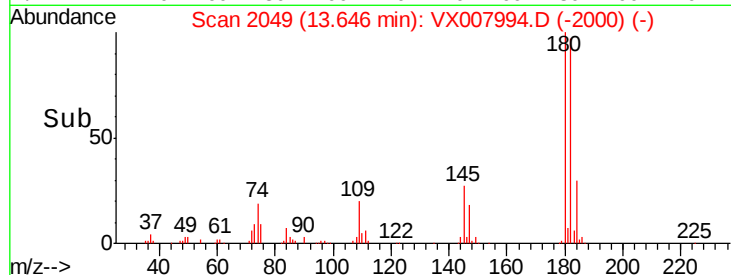
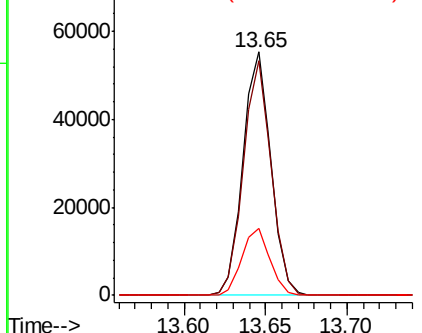


Abundance

Ion 179.80 (179.50 to 180.50): V

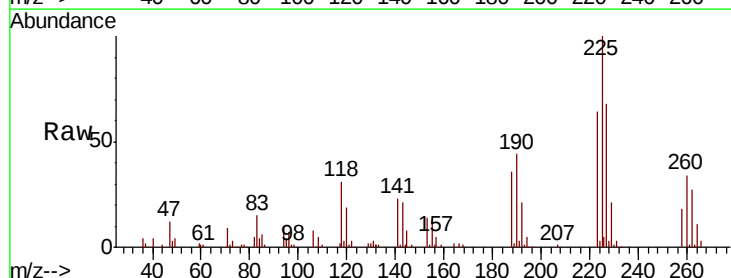
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.293 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007994.D
 Acq: 12 Mar 2019 04:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	34213		
223	62.7	31.1	93.2	
227	67.0	32.0	96.0	

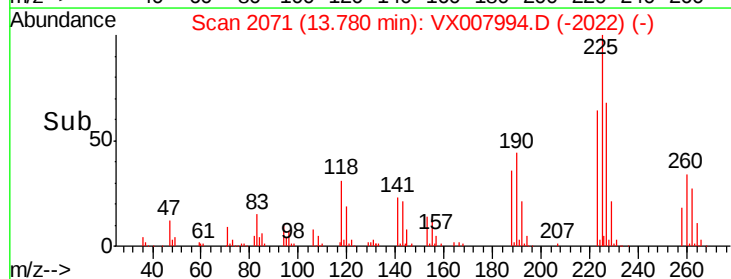
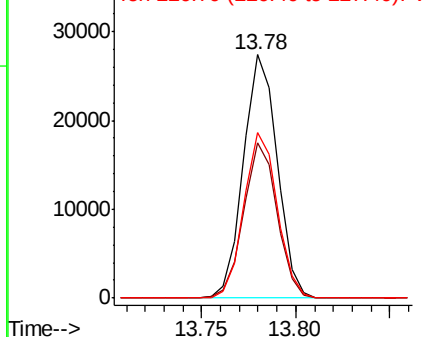


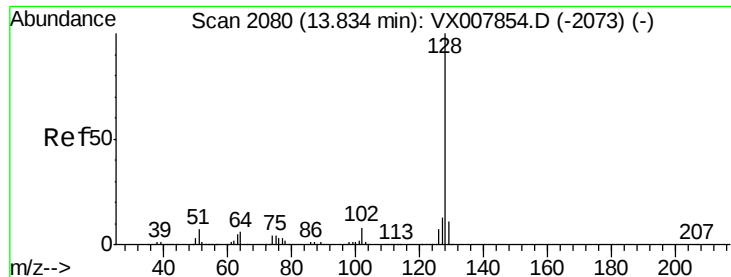
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.640 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Instrument :

MSVOA_X

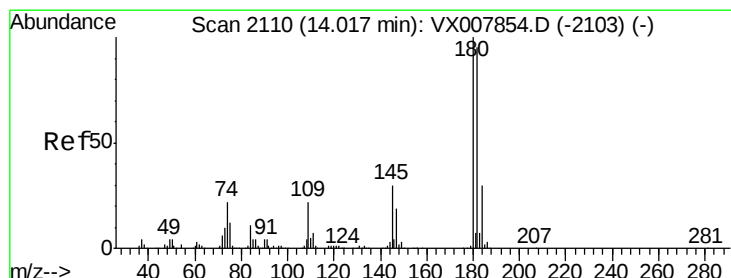
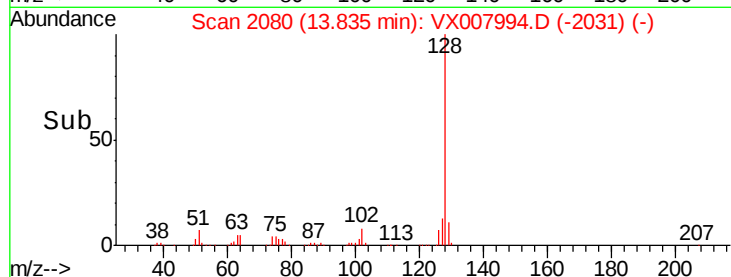
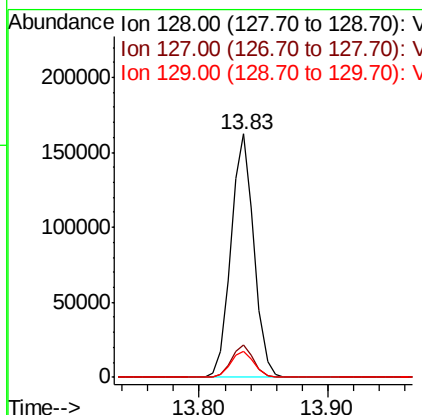
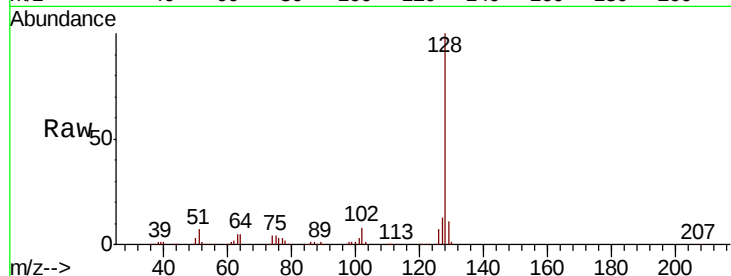
ClientSampleId :

VX0311WBS03

Tgt Ion:	128	Resp:	201723
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/12/2019 3:24:01 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.880 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007994.D

Acq: 12 Mar 2019 04:54

Tgt Ion:	180	Resp:	67172
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.5	142.5
145	30.3	14.8	44.3

