

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030619\
 Data File : VX007852.D
 Acq On : 06 Mar 2019 10:07
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/7/2019 10:34:46 AM

Quant Time: Mar 07 07:22:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 06:50:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	309538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	450486	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	391914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	189484	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	17470	5.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.70%	
35) Dibromofluoromethane	5.50	113	15066	5.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.46%	
50) Toluene-d8	8.71	98	53353	5.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.08%	
62) 4-Bromofluorobenzene	11.13	95	17322	4.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.34%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	12956	4.899	ug/l 99
3) Chloromethane	1.33	50	16790	4.927	ug/l 98
4) Vinyl Chloride	1.41	62	17082	5.044	ug/l 99
5) Bromomethane	1.64	94	8737	4.243	ug/l 90
6) Chloroethane	1.72	64	12991	5.775	ug/l 98
7) Trichlorofluoromethane	1.93	101	22219	5.040	ug/l 98
8) Diethyl Ether	2.20	74	9737	5.100	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	13721	5.022	ug/l 99
10) Methyl Iodide	2.51	142	18533	4.782	ug/l 99
11) Tert butyl alcohol	3.07	59	19854	27.188	ug/l 100
12) 1,1-Dichloroethene	2.38	96	13271	5.039	ug/l 97
13) Acrolein	2.30	56	14768	33.491	ug/l 98
14) Allyl chloride	2.73	41	28002	5.060	ug/l 99
15) Acrylonitrile	3.15	53	46825	25.404	ug/l 99
16) Acetone	2.45	43	49719	26.306	ug/l 100
17) Carbon Disulfide	2.57	76	42140	4.766	ug/l 99
18) Methyl Acetate	2.78	43	19513	4.860	ug/l 100
19) Methyl tert-butyl Ether	3.21	73	46506	5.133	ug/l 99
20) Methylene Chloride	2.86	84	15505	5.155	ug/l 97
21) trans-1,2-Dichloroethene	3.17	96	14555	5.023	ug/l 98
22) Diisopropyl ether	3.87	45	52249	5.151	ug/l 99
23) Vinyl Acetate	3.82	43	226895	25.506	ug/l 99
24) 1,1-Dichloroethane	3.70	63	28056	5.139	ug/l 100
25) 2-Butanone	4.70	43	68848	25.730	ug/l 100
26) 2,2-Dichloropropane	4.59	77	18040	4.988	ug/l 99
27) cis-1,2-Dichloroethene	4.60	96	16634	5.016	ug/l 96
28) Bromochloromethane	5.02	49	12694	4.988	ug/l 98
29) Tetrahydrofuran	5.15	42	41844	25.071	ug/l 100
30) Chloroform	5.21	83	26692	5.169	ug/l 100
31) Cyclohexane	5.57	56	24976	4.978	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	21424	5.000	ug/l 99
36) 1,1-Dichloropropene	5.80	75	19950	4.891	ug/l 100
37) Ethyl Acetate	4.85	43	24285	5.017	ug/l 99
38) Carbon Tetrachloride	5.78	117	19099	4.932	ug/l 99

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	24166	4.889	ug/l	98
40) Benzene	6.15	78	61257	5.044	ug/l	99
41) Methacrylonitrile	5.06	41	12987	4.921	ug/l	98
42) 1,2-Dichloroethane	6.20	62	20413	5.140	ug/l	99
43) Isopropyl Acetate	6.46	43	35250	4.921	ug/l	99
44) Trichloroethene	7.21	130	16317	4.876	ug/l	95
45) 1,2-Dichloropropane	7.52	63	16295	5.081	ug/l	90
46) Dibromomethane	7.66	93	10271	5.060	ug/l	99
47) Bromodichloromethane	7.90	83	19087	4.960	ug/l	97
48) Methyl methacrylate	7.77	41	17990	4.776	ug/l	99
49) 1,4-Dioxane	7.76	88	7689	99.377	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	116114	25.203	ug/l	99
52) Toluene	8.78	92	37753	5.092	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	18197	4.530	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	21428	4.724	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	15791	5.261	ug/l	99
56) Ethyl methacrylate	9.18	69	21681	4.811	ug/l	98
57) 1,3-Dichloropropane	9.37	76	25712	5.102	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	56580	24.273	ug/l	99
59) 2-Hexanone	9.49	43	89772	25.098	ug/l	97
60) Dibromochloromethane	9.58	129	15479	4.934	ug/l	99
61) 1,2-Dibromoethane	9.67	107	15925	4.998	ug/l	100
64) Tetrachloroethene	9.34	164	16684	5.137	ug/l	98
65) Chlorobenzene	10.14	112	41251	5.030	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	14501	4.934	ug/l	98
67) Ethyl Benzene	10.25	91	66436	4.921	ug/l	100
68) m/p-Xylenes	10.36	106	51059	9.812	ug/l	99
69) o-Xylene	10.70	106	24804	4.937	ug/l	100
70) Styrene	10.71	104	38825	4.723	ug/l	98
71) Bromoform	10.85	173	11688	4.630	ug/l #	99
73) Isopropylbenzene	11.02	105	66268	5.171	ug/l	100
74) N-amyl acetate	10.90	43	27847	4.760	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	23314	5.274	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	21086m	5.259	ug/l	
77) Bromobenzene	11.26	156	17661	5.027	ug/l	97
78) n-propylbenzene	11.36	91	70096	4.930	ug/l	100
79) 2-Chlorotoluene	11.42	91	44609	5.132	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	53501	5.072	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	5428	4.364	ug/l #	82
82) 4-Chlorotoluene	11.51	91	49475	4.967	ug/l	99
83) tert-Butylbenzene	11.77	119	52494	4.941	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	54742	5.063	ug/l	99
85) sec-Butylbenzene	11.94	105	62365	4.984	ug/l	99
86) p-Isopropyltoluene	12.06	119	55502	4.953	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	31116	5.006	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	31404	4.930	ug/l	94
89) n-Butylbenzene	12.38	91	44119	4.647	ug/l	99
90) Hexachloroethane	12.60	117	9121	4.868	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	31146	5.044	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	4334	4.691	ug/l	96

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MSVOA_X
ClientSampleId :
VSTDICC005

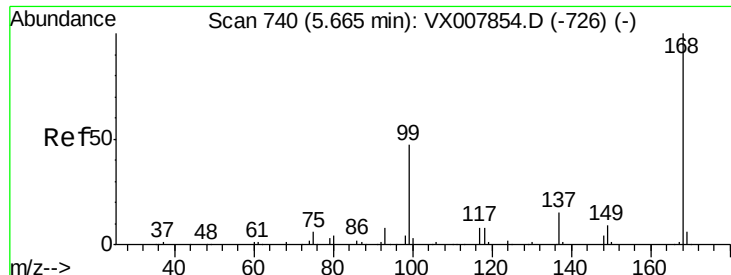
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Quant Title : SW846 8260
QLast Update : Thu Mar 07 06:50:53 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	19461	4.486	ug/l	98
94) Hexachlorobutadiene	13.78	225	11158	4.920	ug/l	99
95) Naphthalene	13.83	128	56052	4.485	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	20540	4.753	ug/l	99

(#) = 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: VX007852.D

Acq: 06 Mar 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 309538

Ion Ratio Lower Upper

168 100

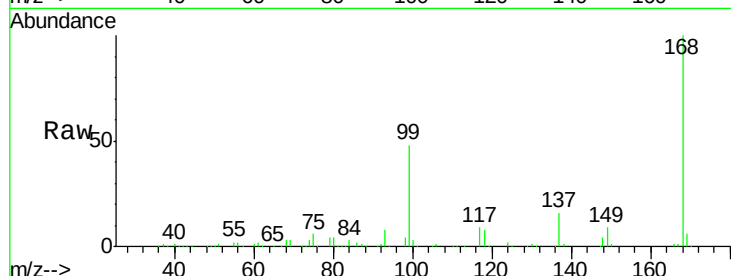
99 48.3 37.6 56.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

20000

0

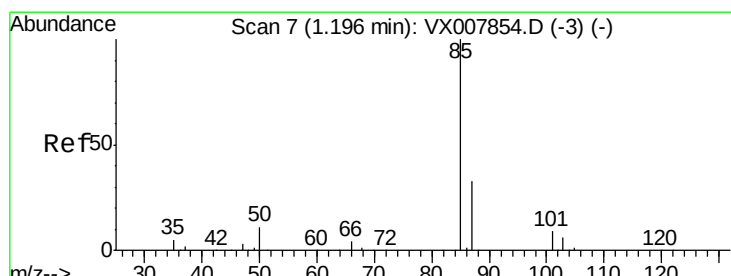
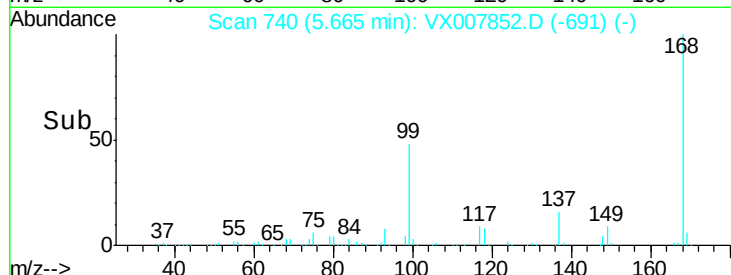
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 4.899 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007852.D

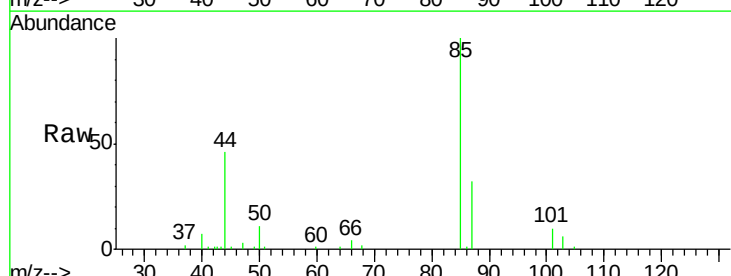
Acq: 06 Mar 2019 10:07

Tgt Ion: 85 Resp: 12956

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

10000

5000

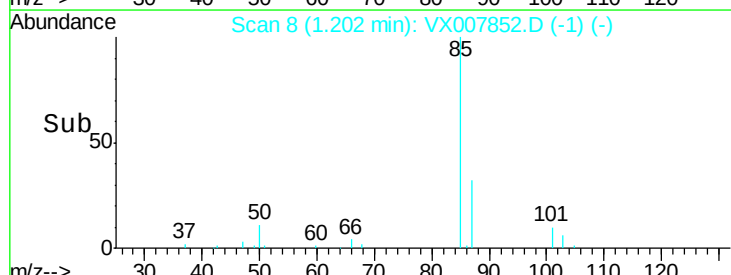
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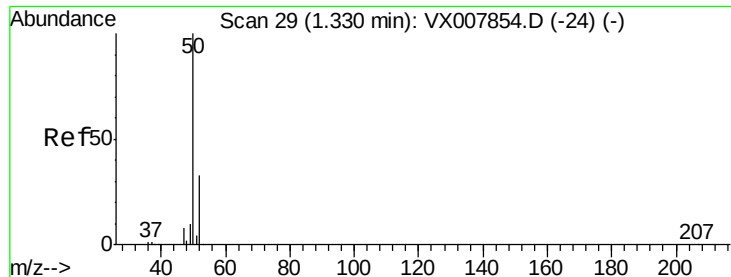
1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 4.927 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 16790

Ion Ratio Lower Upper

50 100

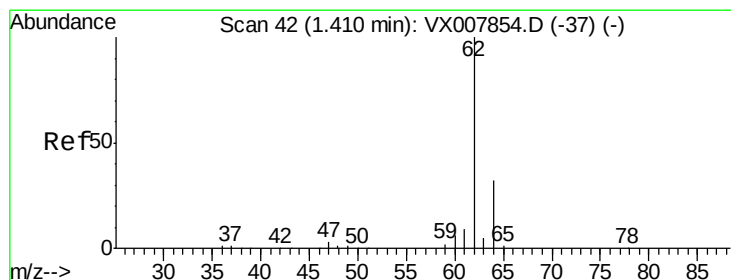
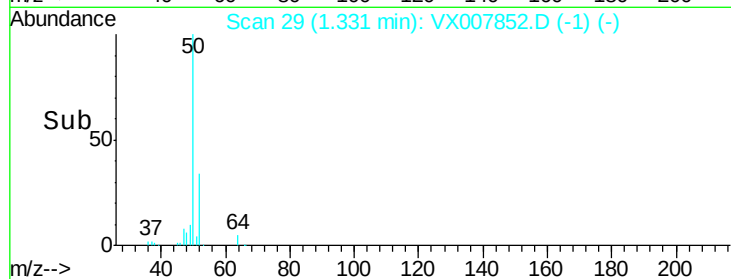
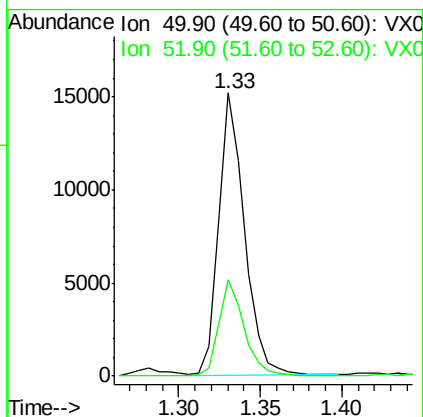
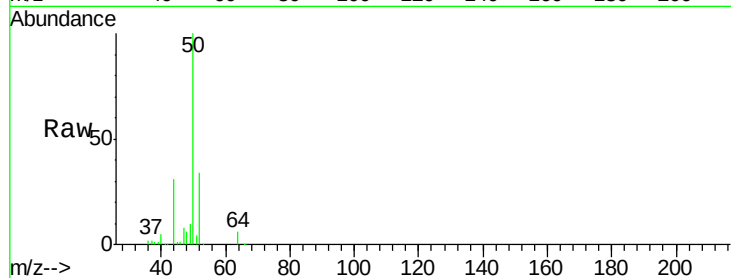
52 34.5 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 5.044 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007852.D

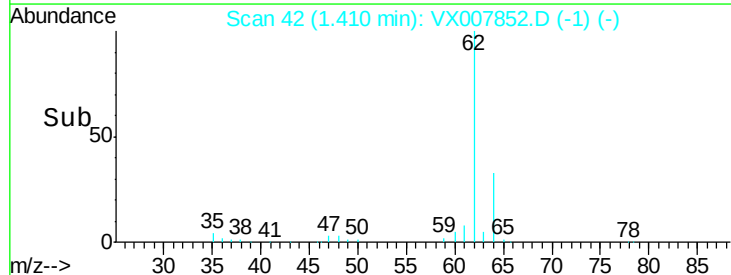
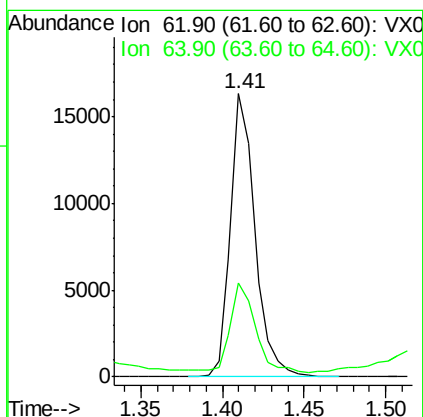
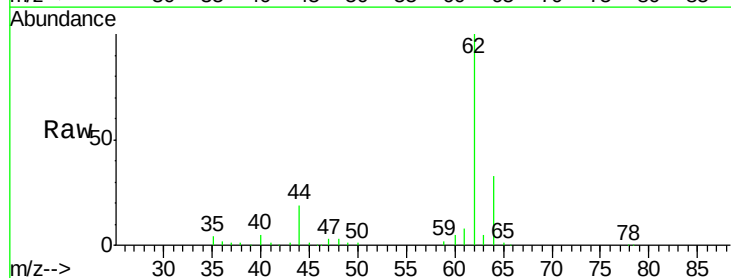
Acq: 06 Mar 2019 10:07

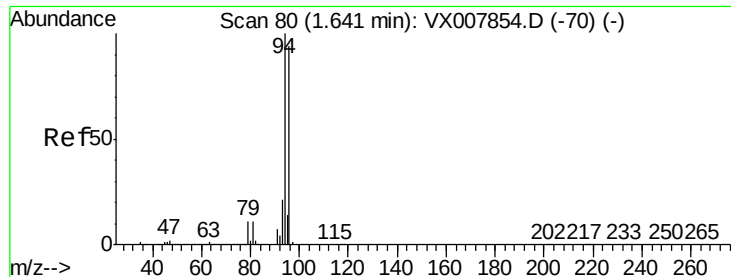
Tgt Ion: 62 Resp: 17082

Ion Ratio Lower Upper

62 100

64 31.0 25.3 37.9





#5

Bromomethane

Concen: 4.243 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 94 Resp: 8737

Ion Ratio Lower Upper

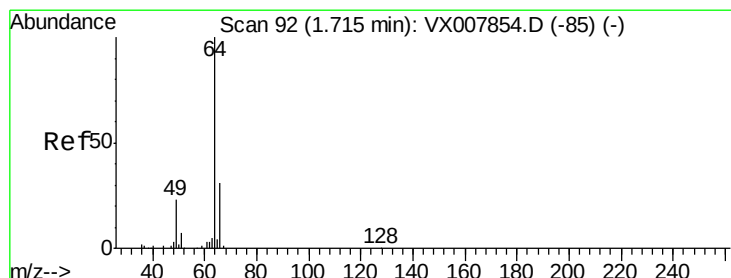
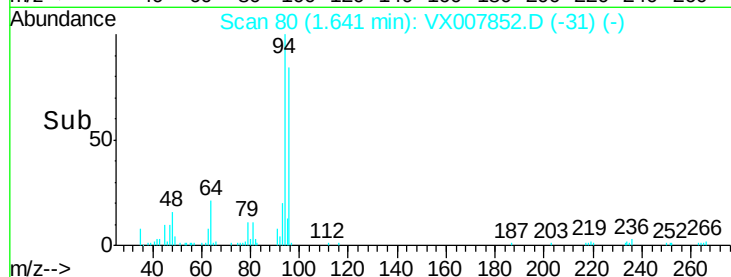
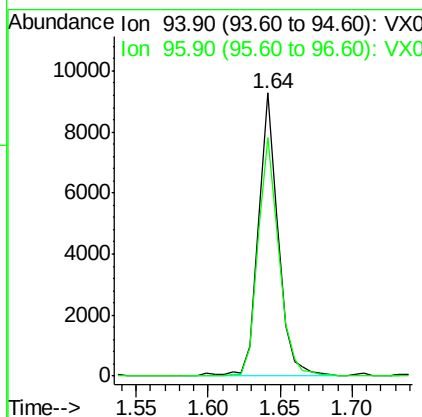
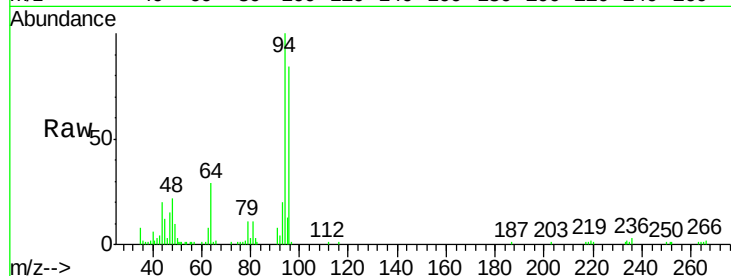
94 100

96 84.4 75.5 113.3

Manual Integrations
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3/7/2019 10:34:46 AM



#6

Chloroethane

Concen: 5.775 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX007852.D

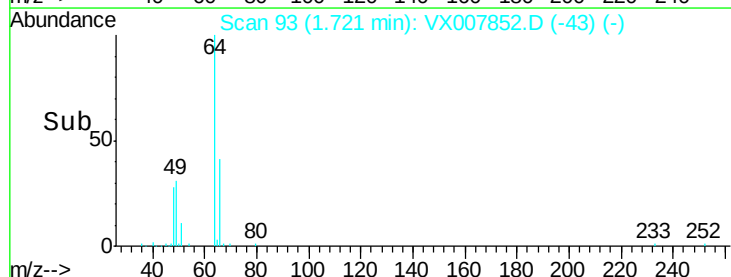
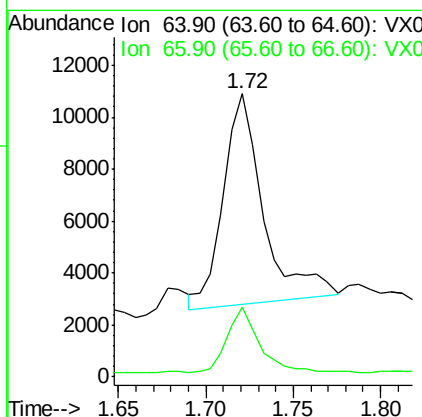
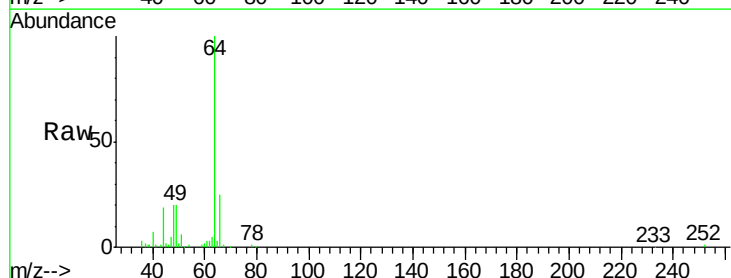
Acq: 06 Mar 2019 10:07

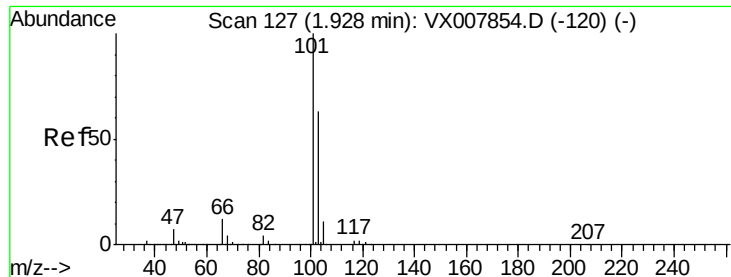
Tgt Ion: 64 Resp: 12991

Ion Ratio Lower Upper

64 100

66 32.6 25.2 37.8





#7

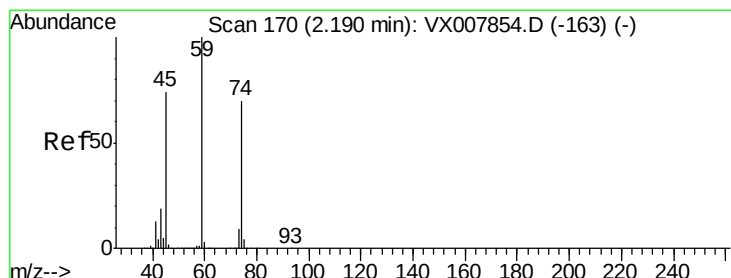
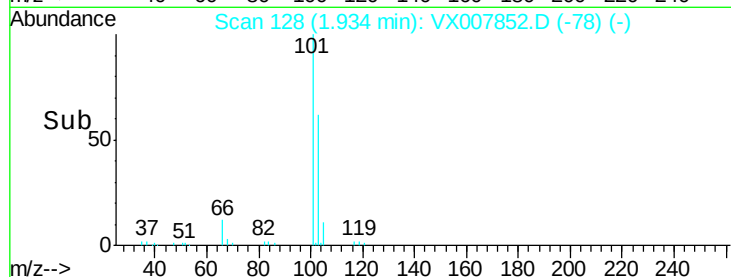
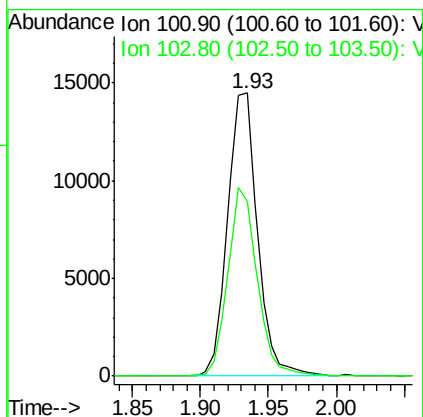
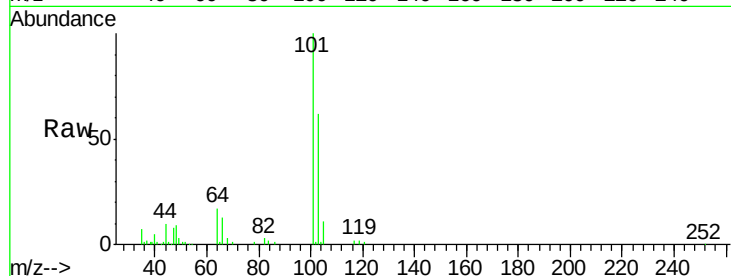
Trichlorofluoromethane
 Concen: 5.040 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.01 min
 Lab File: VX007852.D
 Acq: 06 Mar 2019 10:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.8	50.4	75.6

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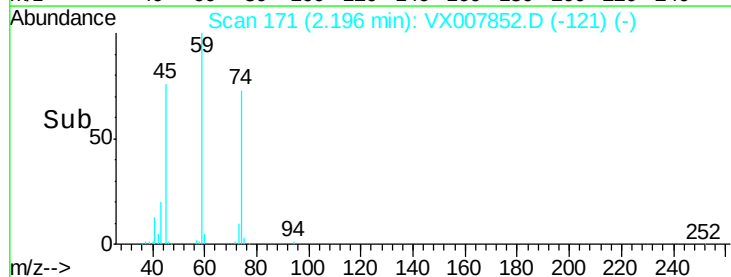
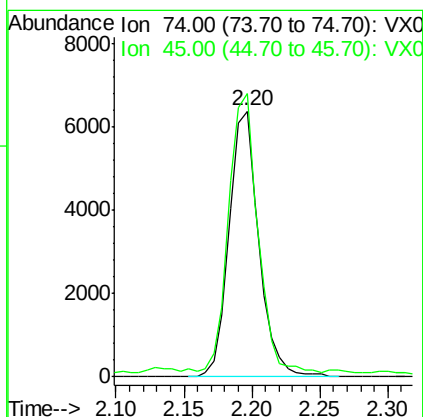
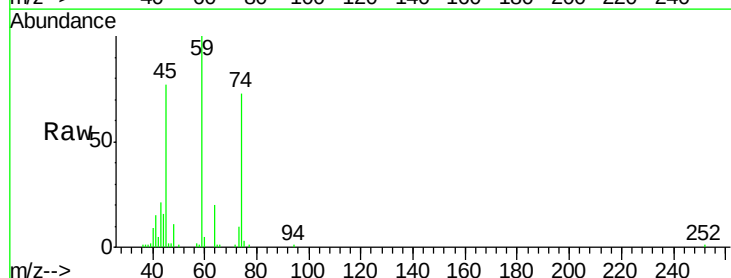
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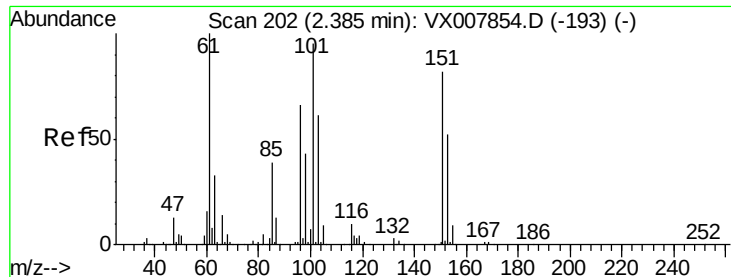


#8

Diethyl Ether
 Concen: 5.100 ug/l
 RT: 2.20 min Scan# 171
 Delta R.T. 0.01 min
 Lab File: VX007852.D
 Acq: 06 Mar 2019 10:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.5	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.022 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Instrument :

MSVOA_X

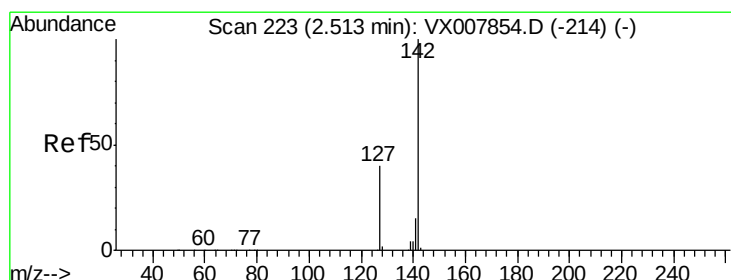
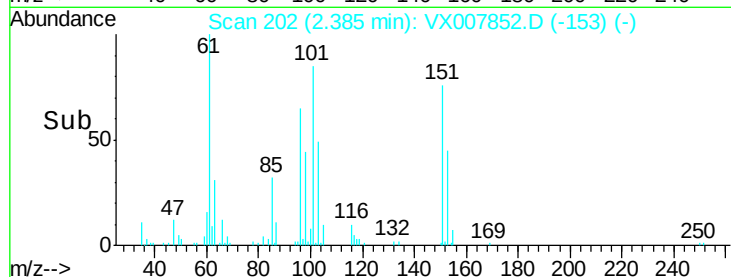
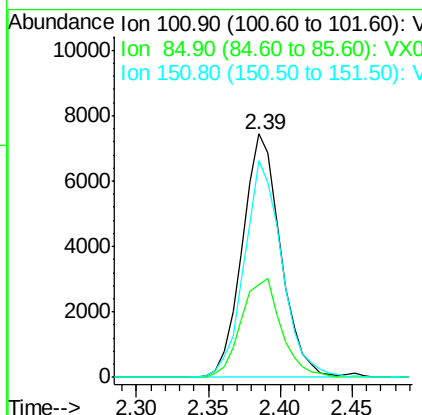
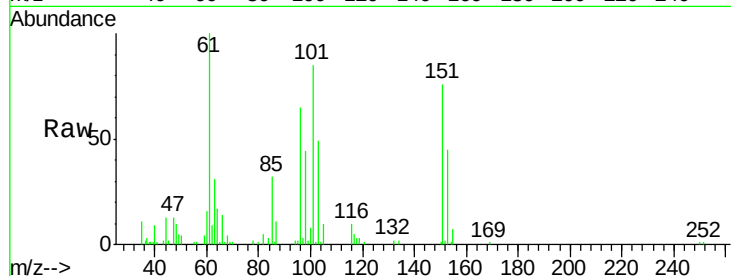
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	13721
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.8	50.6
151	87.5	69.1	103.7

Manual Integrations
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#10

Methyl Iodide

Concen: 4.782 ug/l

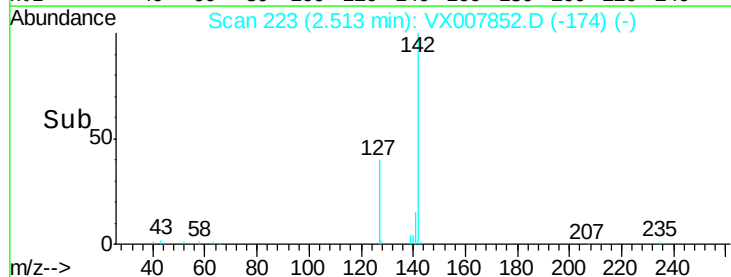
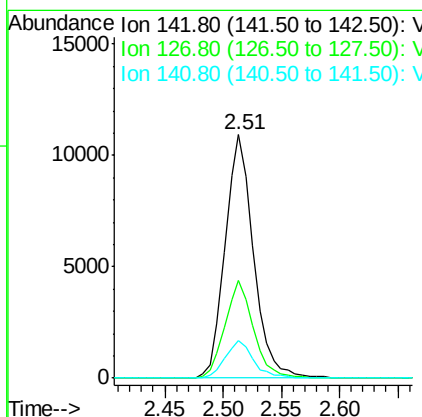
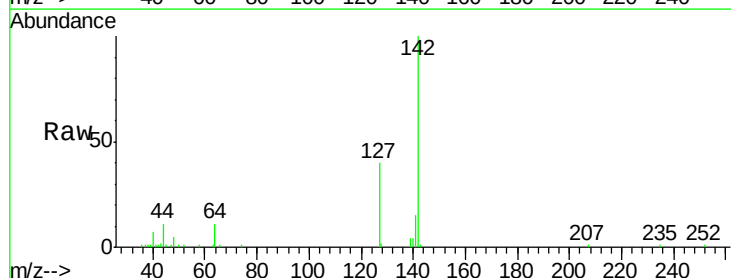
RT: 2.51 min Scan# 223

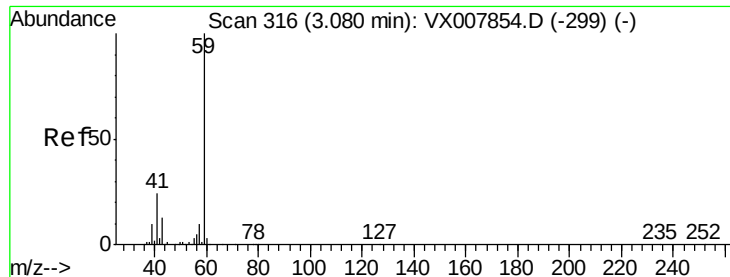
Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Tgt Ion:	142	Resp:	18533
Ion Ratio	Lower	Upper	
142	100		
127	39.9	32.1	48.1
141	15.0	11.4	17.2





#11

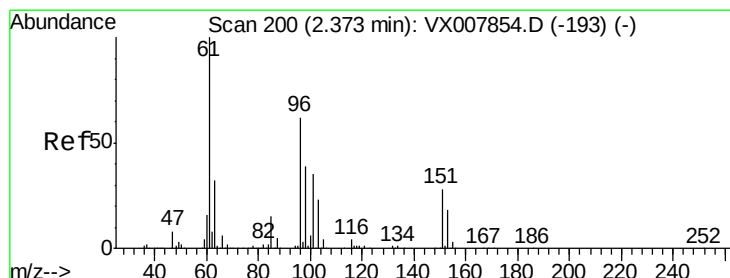
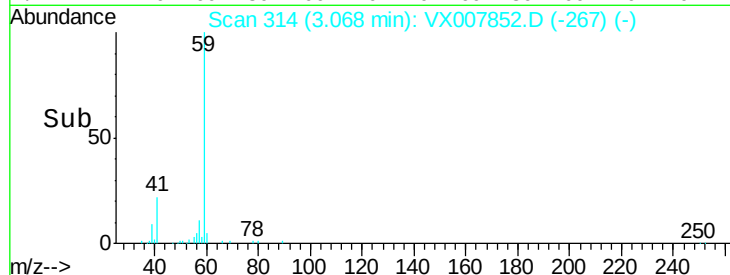
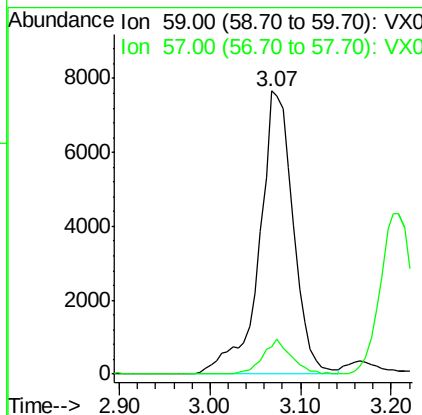
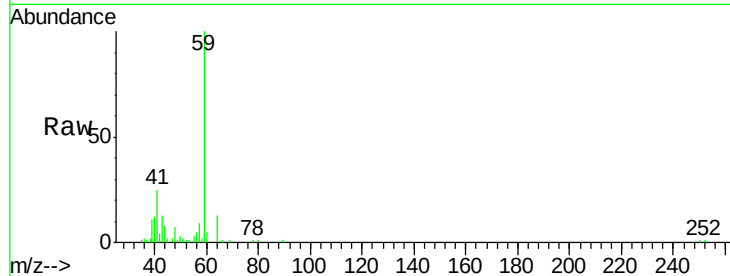
Tert butyl alcohol
Concen: 27.188 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX007852.D
Acq: 06 Mar 2019 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

Manual Integrations
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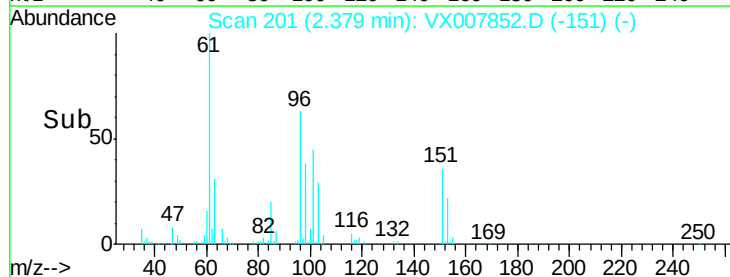
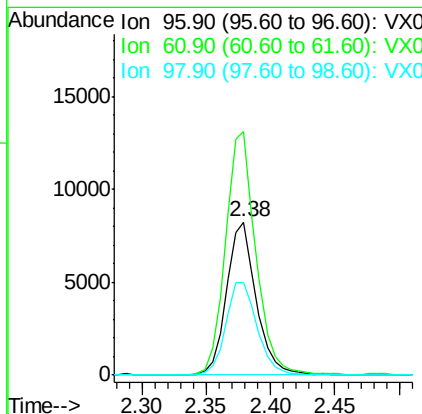
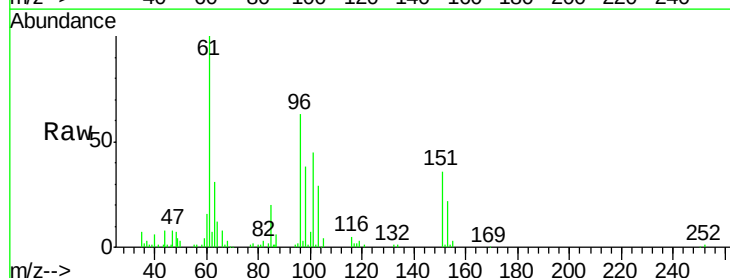
MMDadoda
3/7/2019 10:34:46 AM

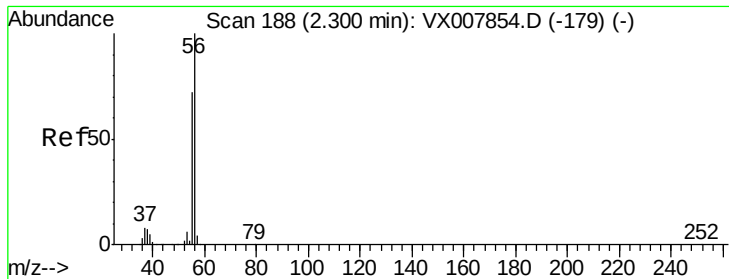


#12

1,1-Dichloroethene
Concen: 5.039 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007852.D
Acq: 06 Mar 2019 10:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.7	129.8	194.6
98	60.5	51.0	76.6





#13

Acrolein

Concen: 33.491 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 56 Resp: 14768

Ion Ratio Lower Upper

56 100

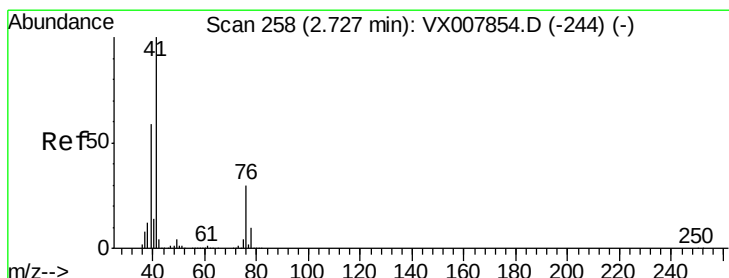
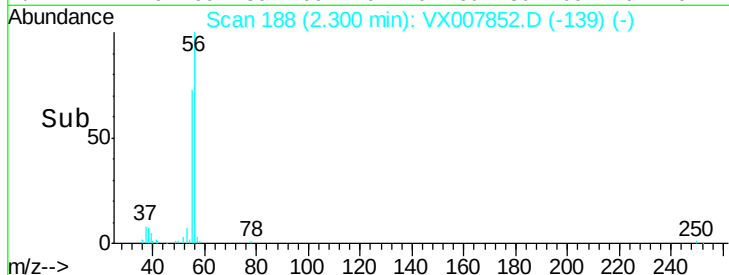
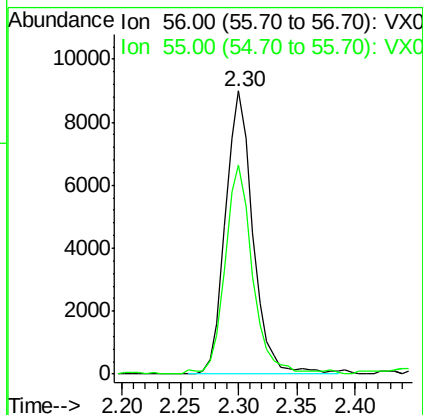
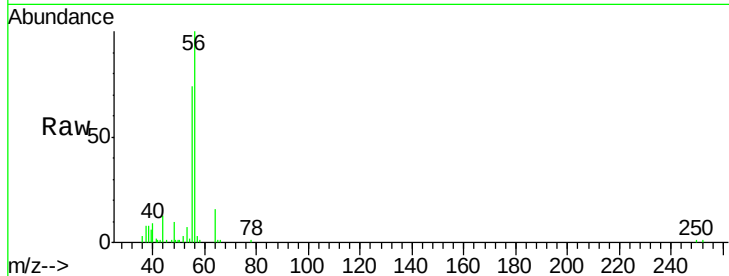
55 73.5 57.8 86.6

Manual Integrations

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3/7/2019 10:34:46 AM



#14

Allyl chloride

Concen: 5.060 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

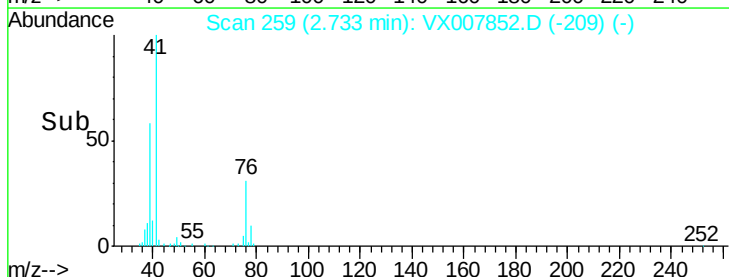
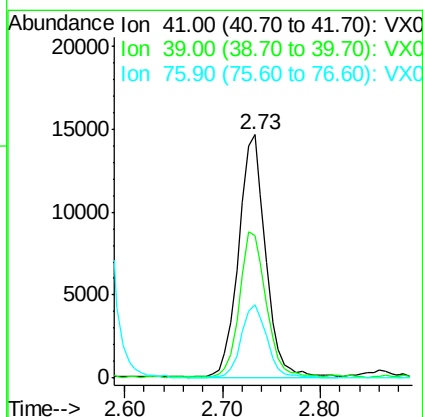
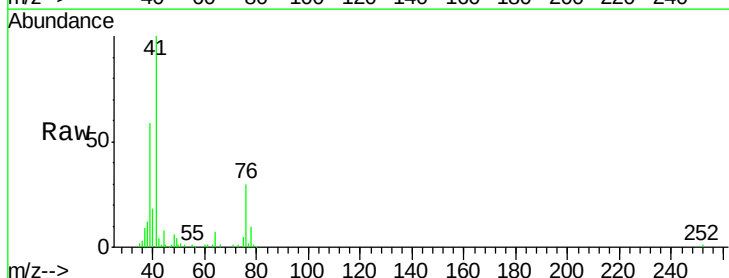
Tgt Ion: 41 Resp: 28002

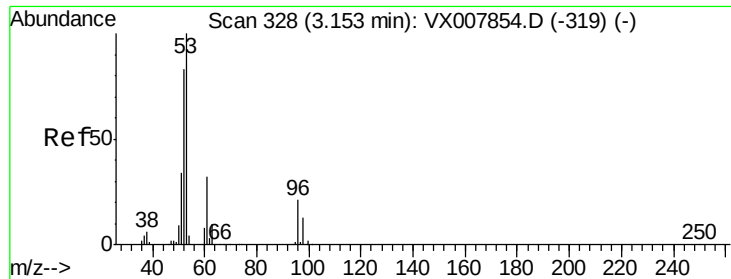
Ion Ratio Lower Upper

41 100

39 58.0 46.1 69.1

76 29.3 24.0 36.0





#15

Acrylonitrile

Concen: 25.404 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Instrument :

MSVOA_X

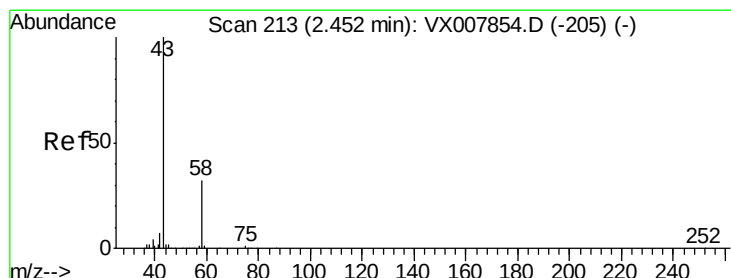
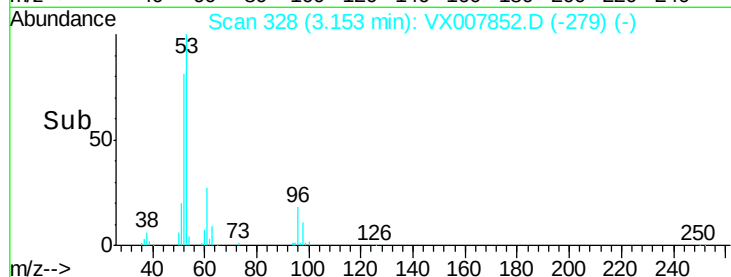
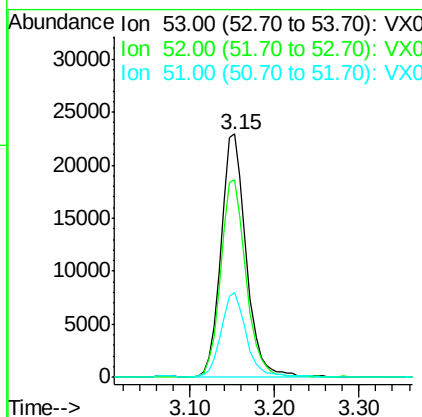
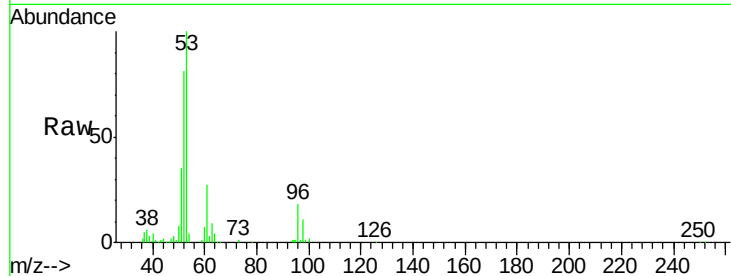
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	46825
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.0	99.0
51	36.1	28.0	42.0

Manual Integrations
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MMDadoda
3/7/2019 10:34:46 AM



#16

Acetone

Concen: 26.306 ug/l

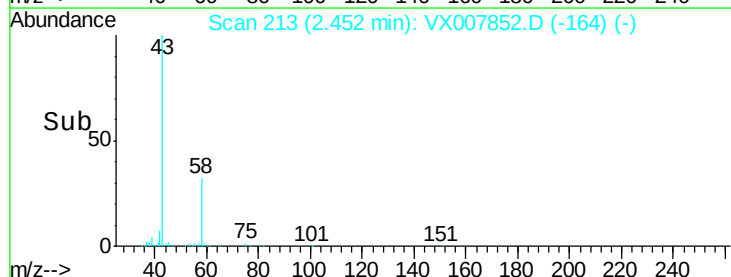
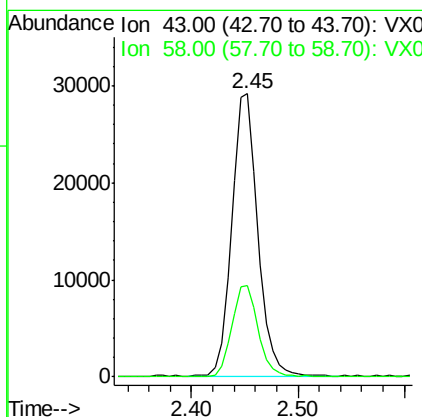
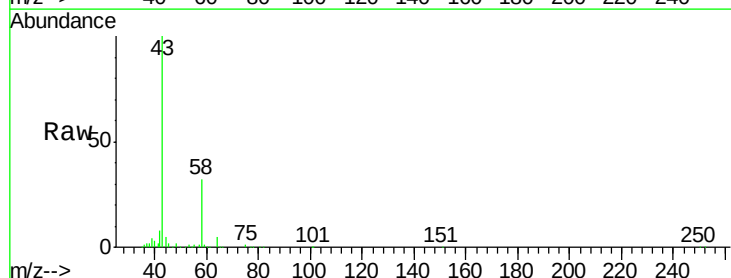
RT: 2.45 min Scan# 213

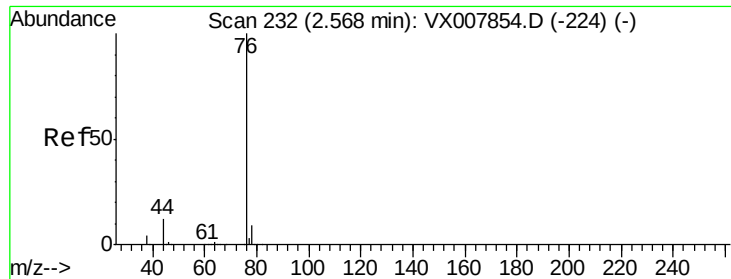
Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Tgt Ion:	43	Resp:	49719
Ion	Ratio	Lower	Upper
43	100		
58	32.2	25.5	38.3





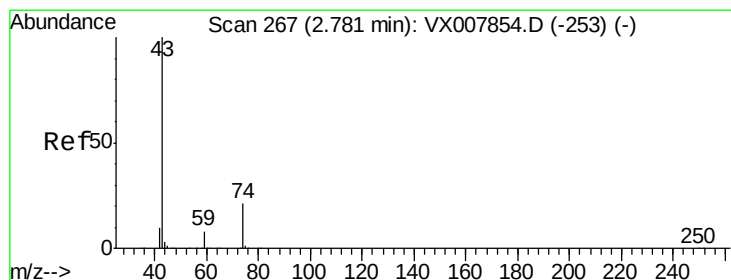
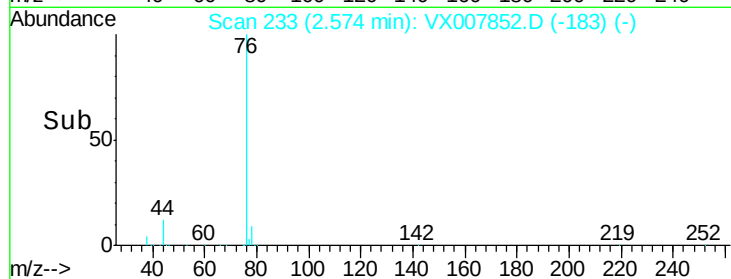
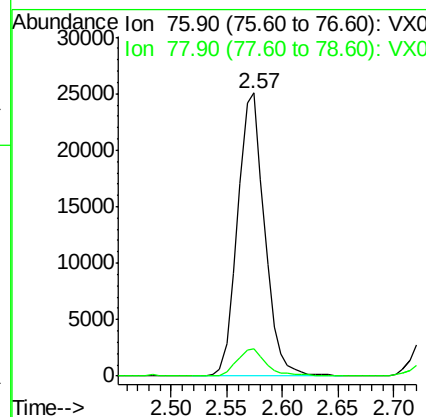
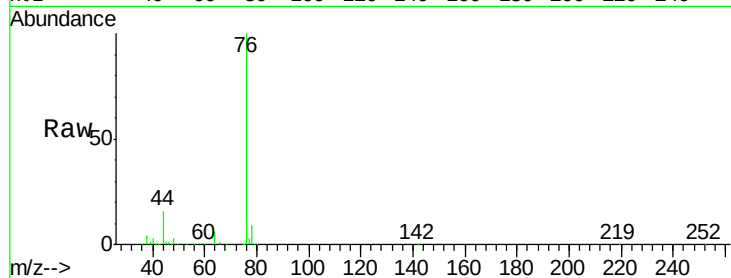
#17
Carbon Disulfide
Concen: 4.766 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX007852.D
Acq: 06 Mar 2019 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
76	100			
78	9.2	7.2	10.8	

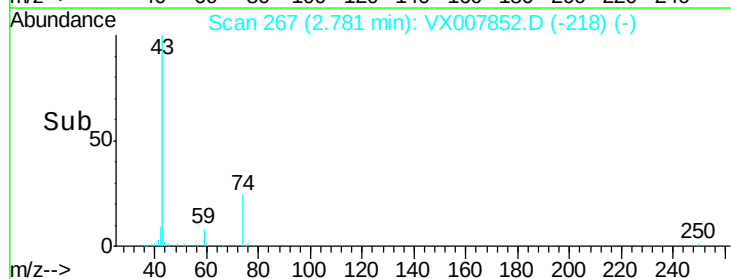
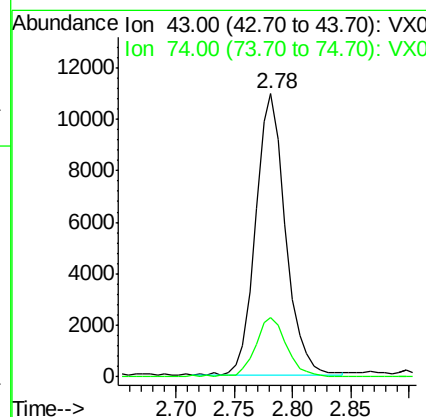
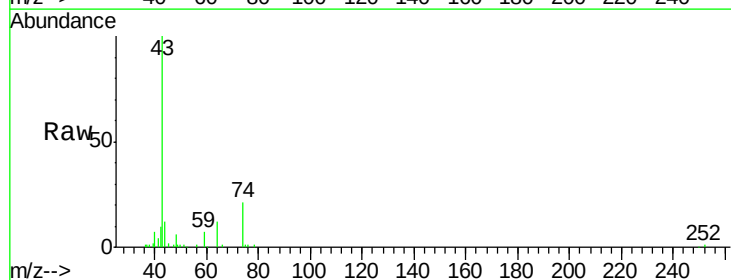
Manual Integrations
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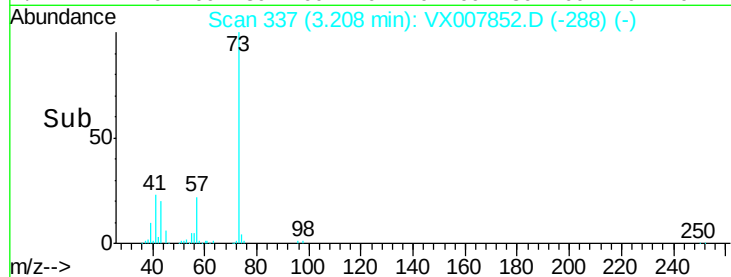
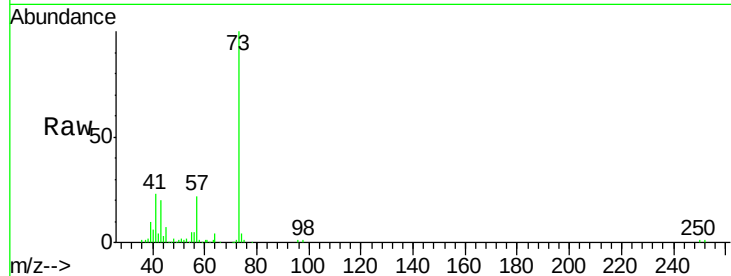
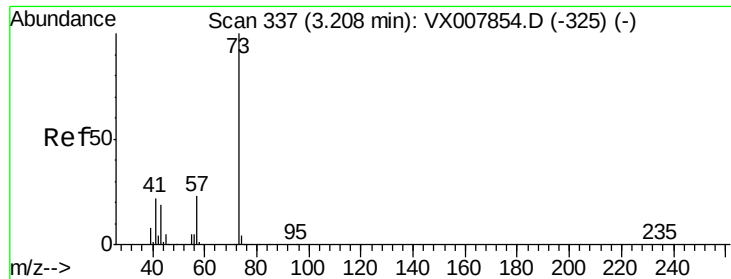
MMDadoda
3/7/2019 10:34:46 AM



#18
Methyl Acetate
Concen: 4.860 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007852.D
Acq: 06 Mar 2019 10:07

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
74	22.3	17.8	26.6	





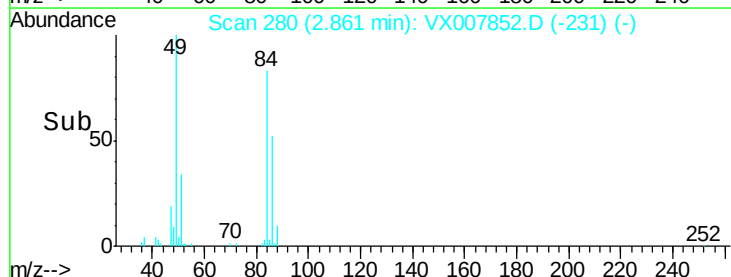
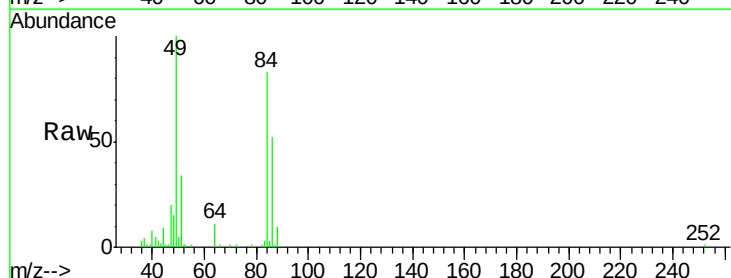
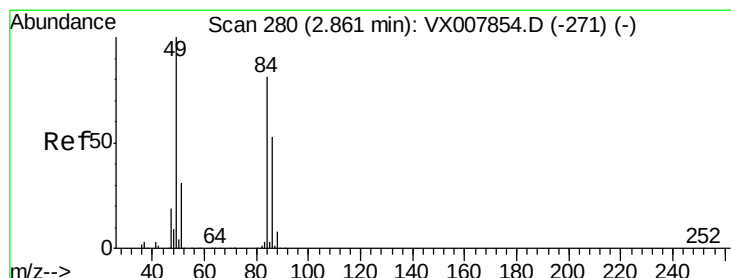
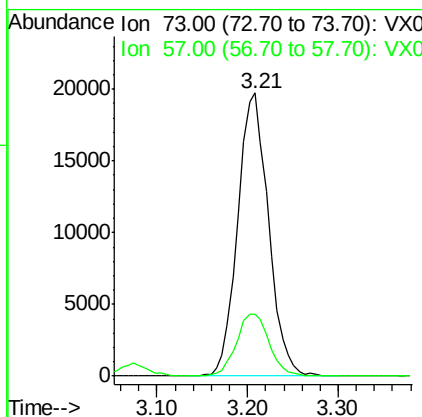
#19
Methyl tert-butyl Ether
Concen: 5.133 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX007852.D
Acq: 06 Mar 2019 10:07

Tot Ion	73	Resp	46506
Ion Ratio	100	Lower	Upper
73	100		
57	22.1	18.2	27.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

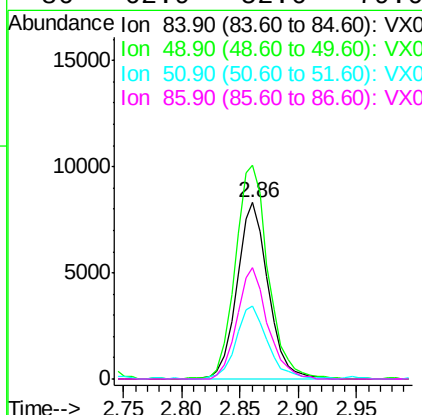
Manual Integrations
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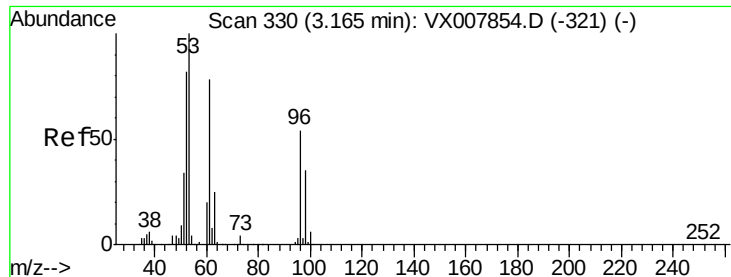
MMDadoda
3/7/2019 10:34:46 AM



#20
Methylene Chloride
Concen: 5.155 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007852.D
Acq: 06 Mar 2019 10:07

Tgt Ion	84	Resp	15505
Ion Ratio	100	Lower	Upper
84	100		
49	120.5	99.3	148.9
51	41.3	31.3	46.9
86	62.9	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 5.023 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Instrument :

MSVOA_X

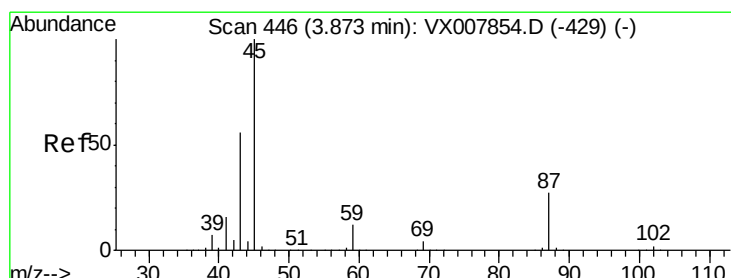
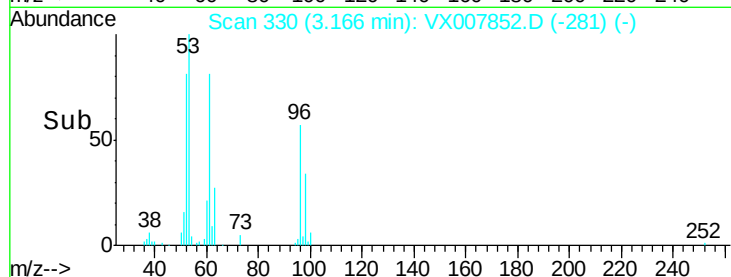
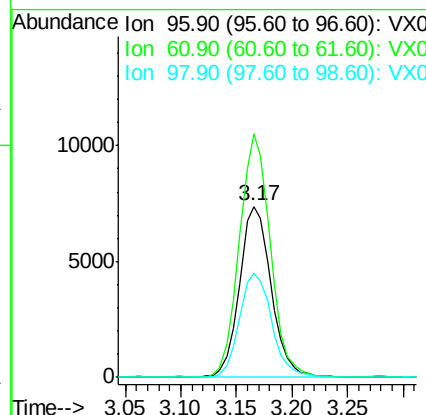
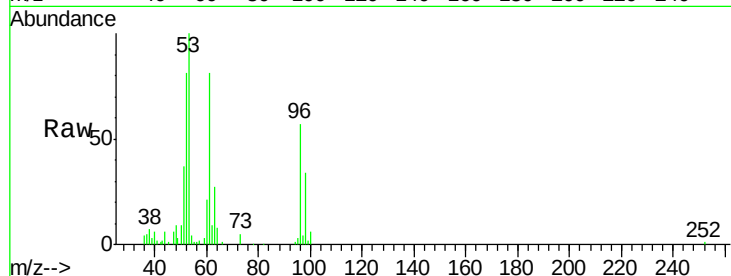
ClientSampled :

VSTDIC005

Tot Ion:	96	Resp:	14555
Ion	Ratio	Lower	Upper
96	100		
61	142.4	114.4	171.6
98	60.5	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 5.151 ug/l

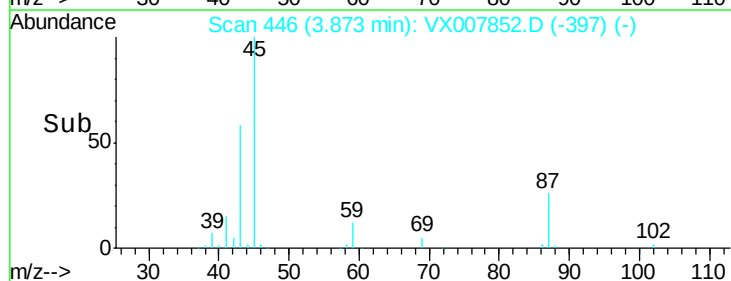
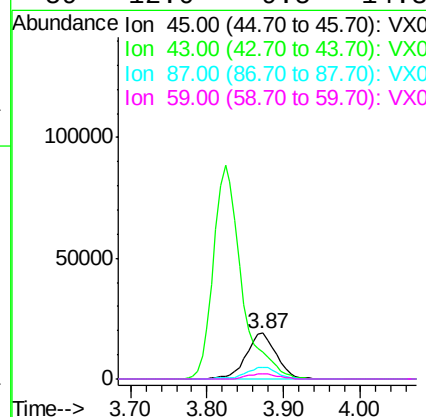
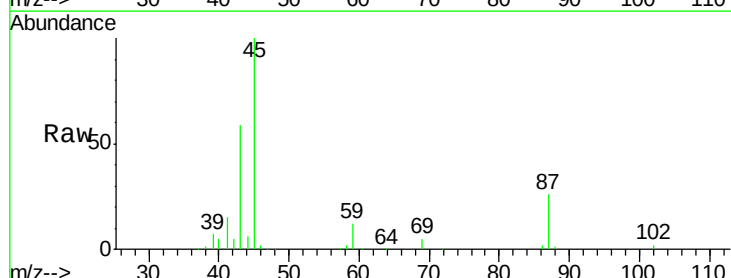
RT: 3.87 min Scan# 446

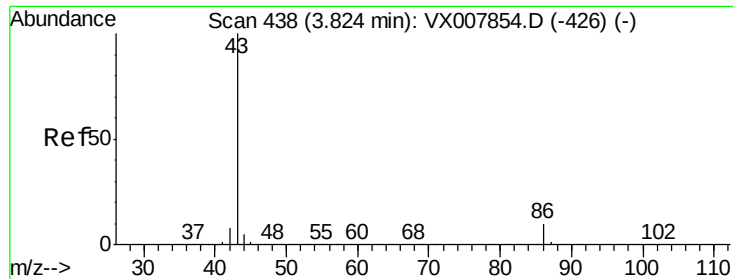
Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Tgt Ion:	45	Resp:	52249
Ion	Ratio	Lower	Upper
45	100		
43	57.8	45.3	67.9
87	25.9	21.4	32.0
59	12.0	9.5	14.3





#23

Vinyl Acetate

Concen: 25.506 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 226895

Ion Ratio Lower Upper

43 100

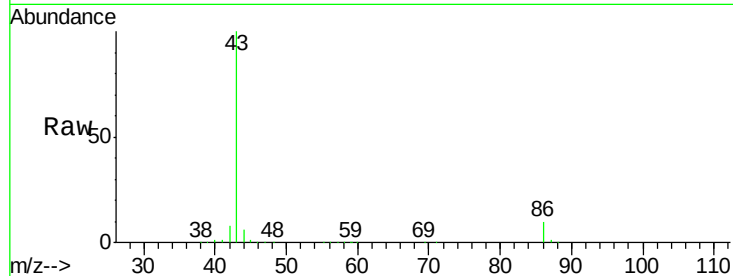
86 9.5 7.9 11.9

Manual Integrations

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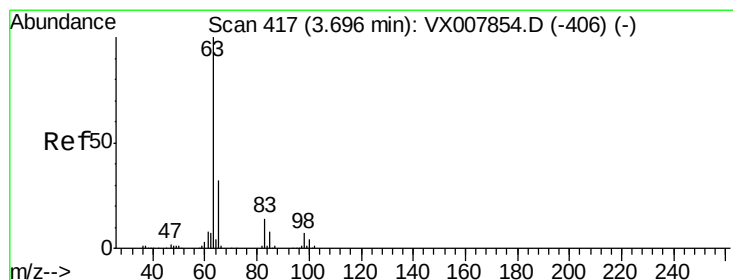
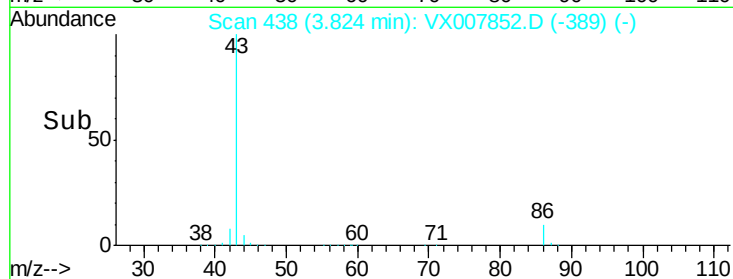
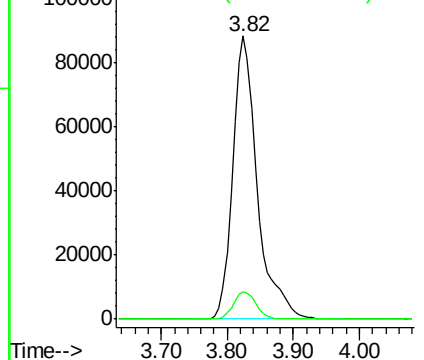
MMDadoda

3/7/2019 10:34:46 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 5.139 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

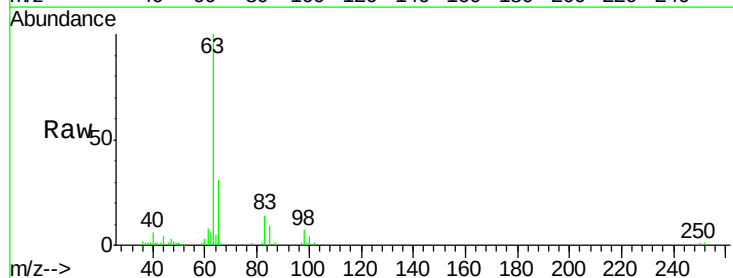
Tgt Ion: 63 Resp: 28056

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

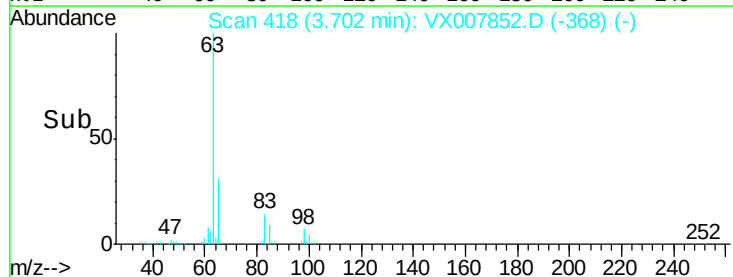
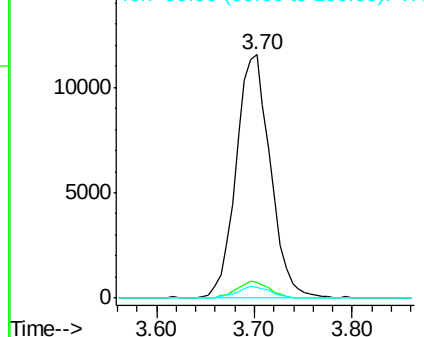
100 4.3 2.3 6.8

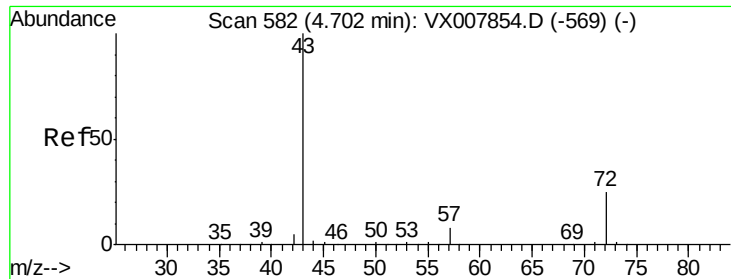


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 25.730 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 68848

Ion Ratio Lower Upper

43 100

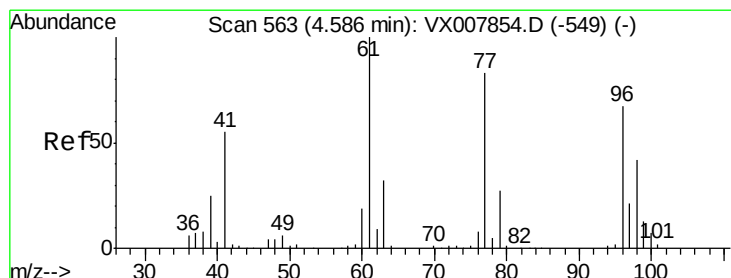
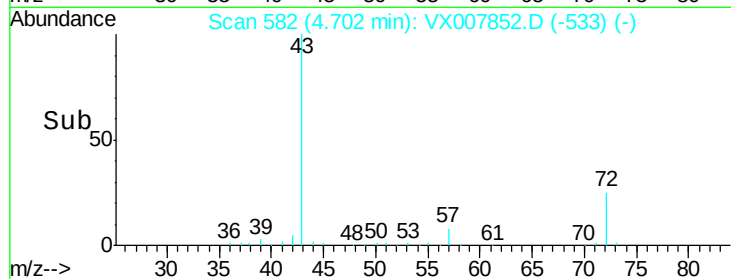
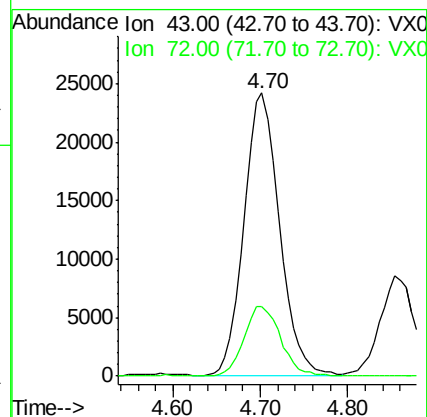
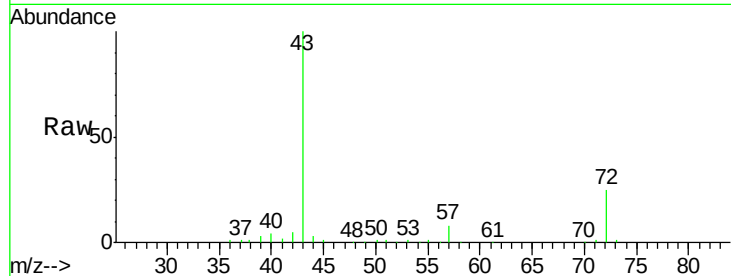
72 24.7 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 4.988 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007852.D

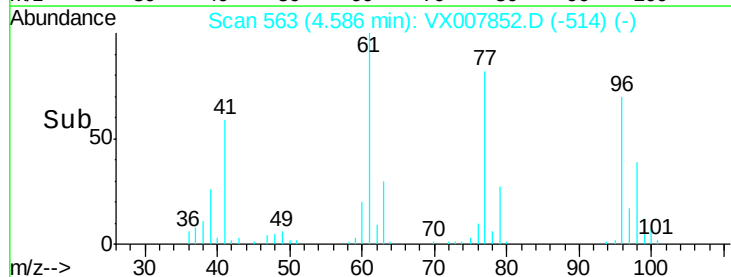
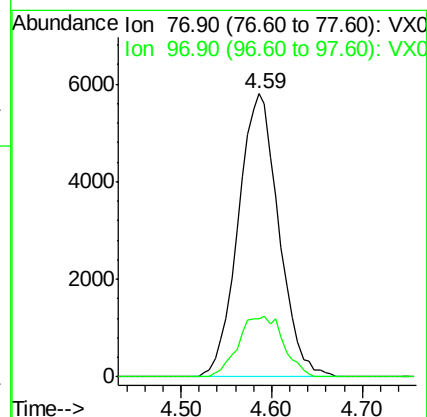
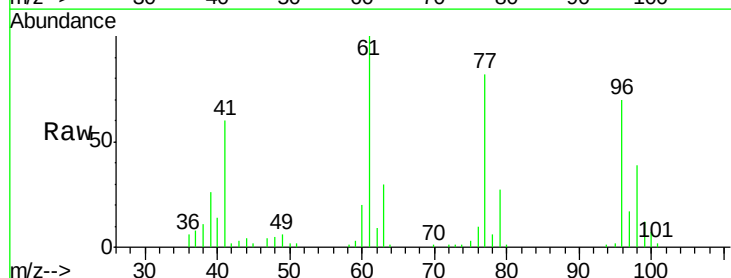
Acq: 06 Mar 2019 10:07

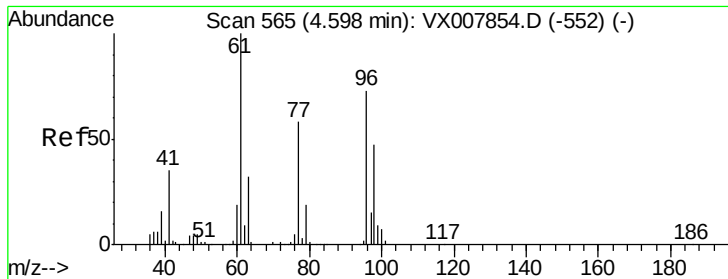
Tgt Ion: 77 Resp: 18040

Ion Ratio Lower Upper

77 100

97 23.7 12.2 36.6





#27

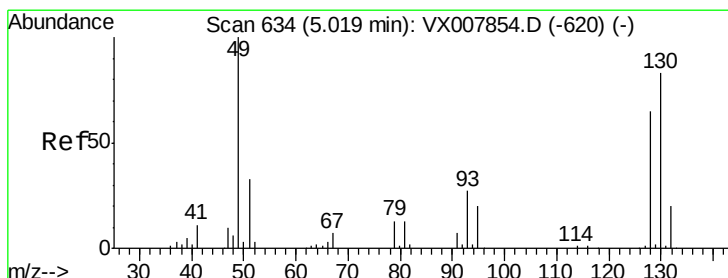
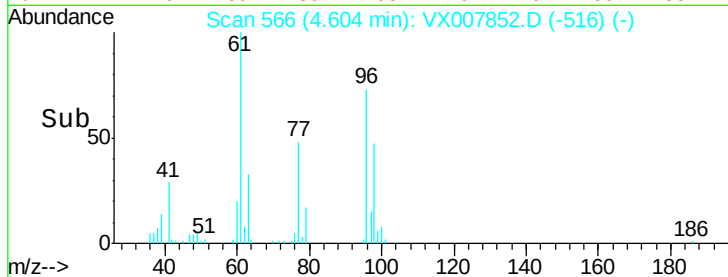
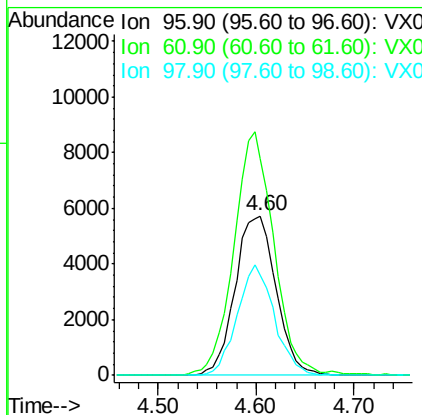
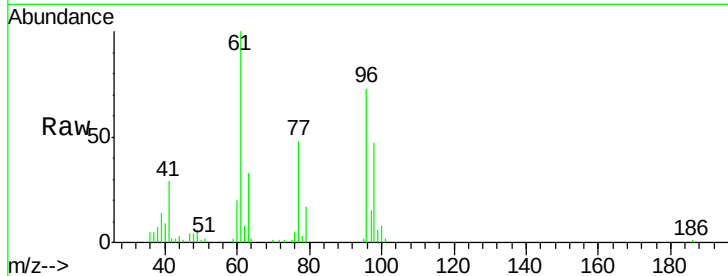
cis-1,2-Dichloroethene
Concen: 5.016 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX007852.D
Acq: 06 Mar 2019 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.8	0.0	288.0
98	63.0	0.0	129.0

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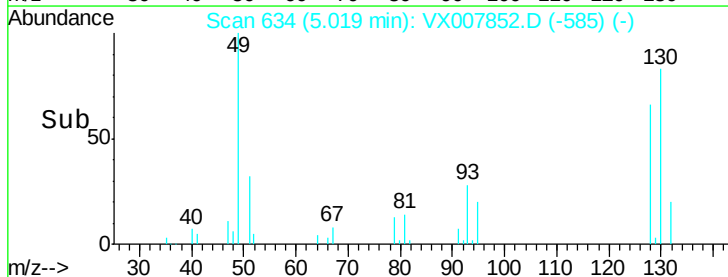
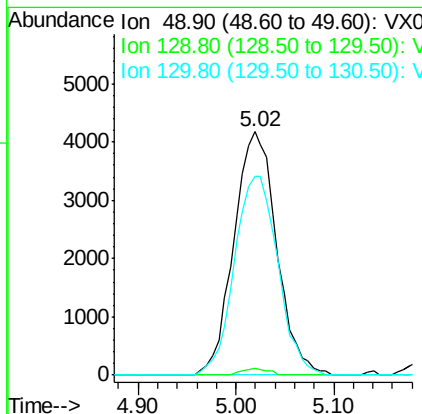
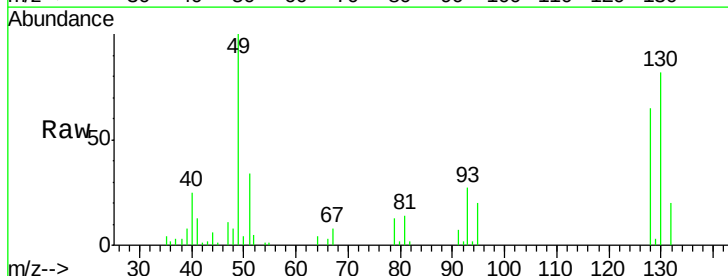
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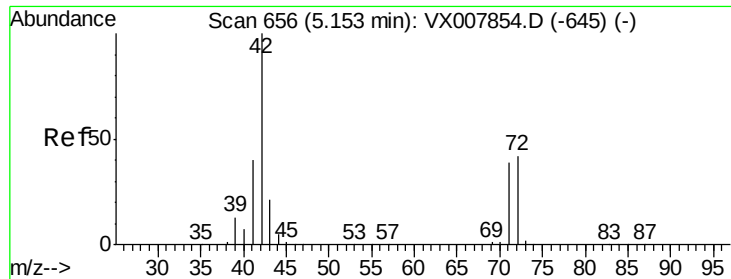


#28

Bromochloromethane
Concen: 4.988 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007852.D
Acq: 06 Mar 2019 10:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.0
130	83.2	65.0	97.4





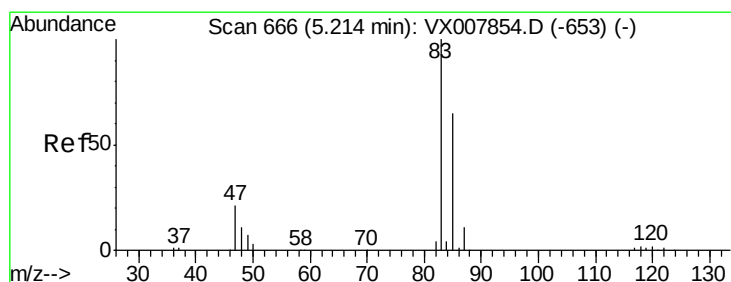
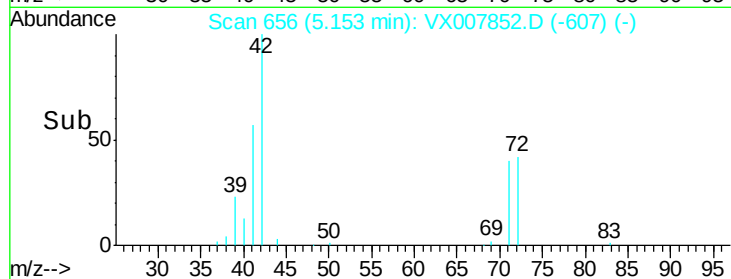
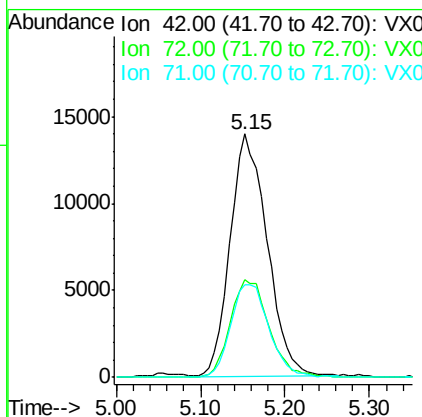
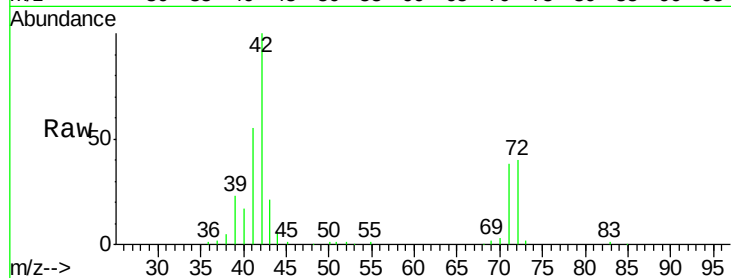
#29
Tetrahydrofuran
Concen: 25.071 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX007852.D
Acq: 06 Mar 2019 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.8	50.6
71	39.3	31.5	47.3

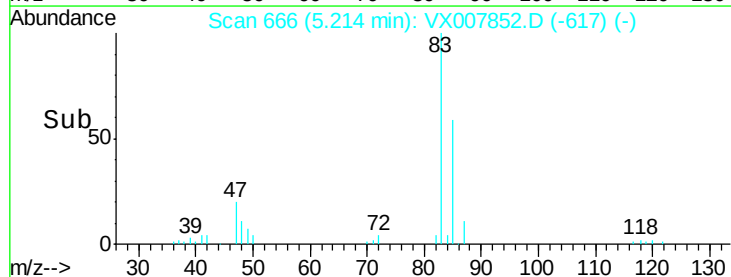
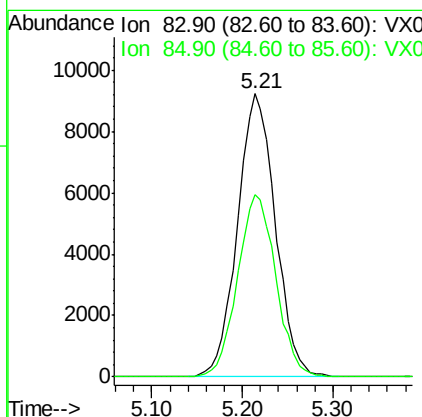
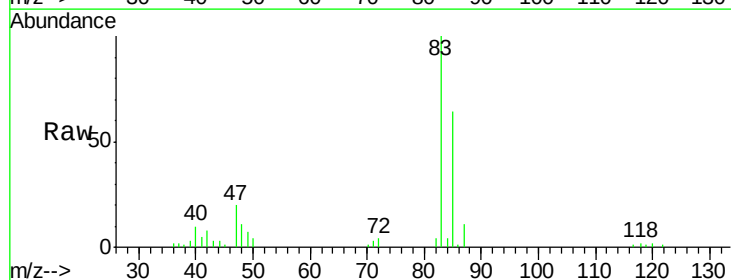
Manual Integrations
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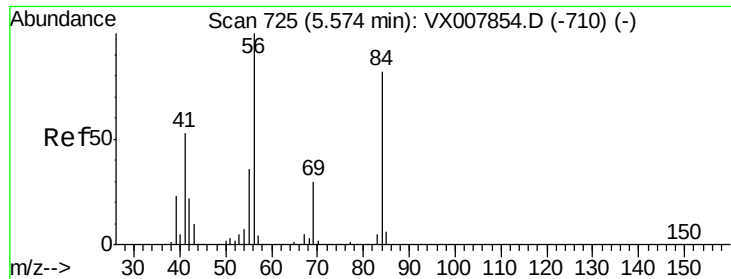
MMDadoda
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#30
Chloroform
Concen: 5.169 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007852.D
Acq: 06 Mar 2019 10:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.6





#31

Cyclohexane

Concen: 4.978 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Instrument :

MSVOA_X

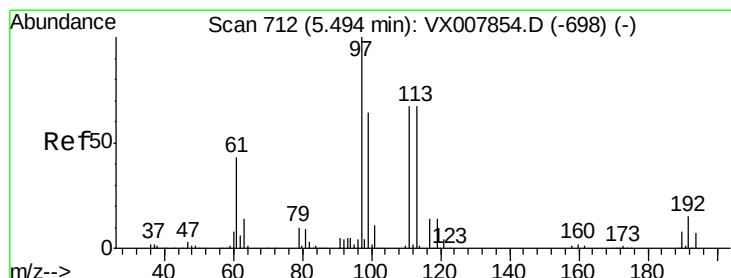
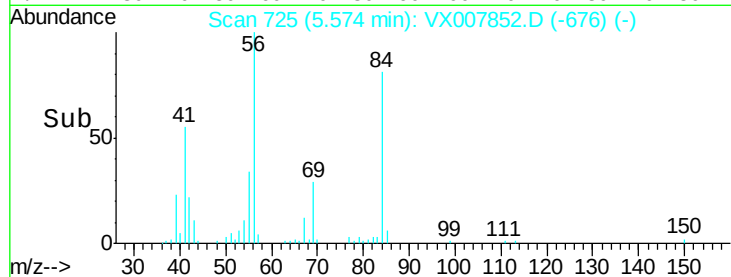
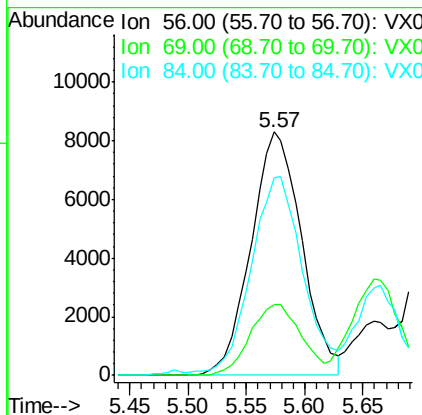
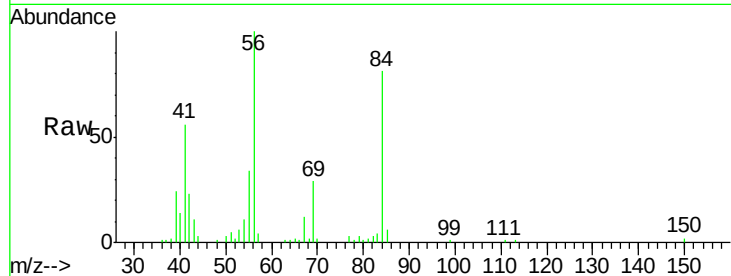
ClientSampled :

VSTDIC005

Tot Ion:	56	Resp:	24976
Ion Ratio	Lower	Upper	
56	100		
69	28.9	24.0	36.0
84	80.0	65.3	97.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 5.000 ug/l

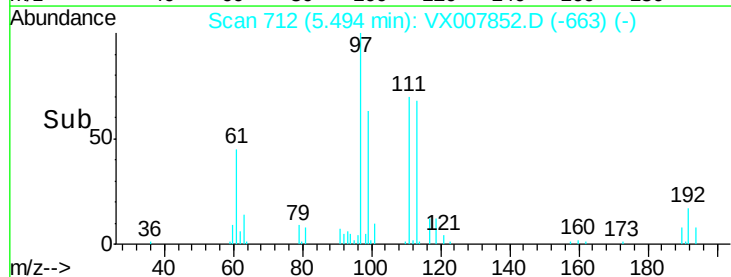
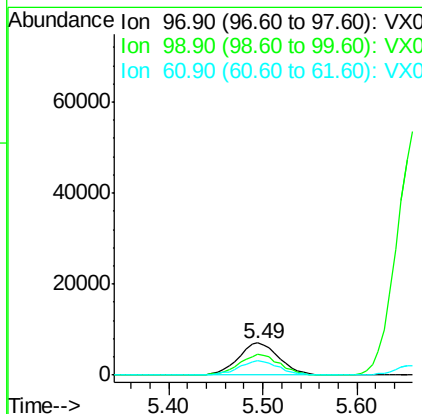
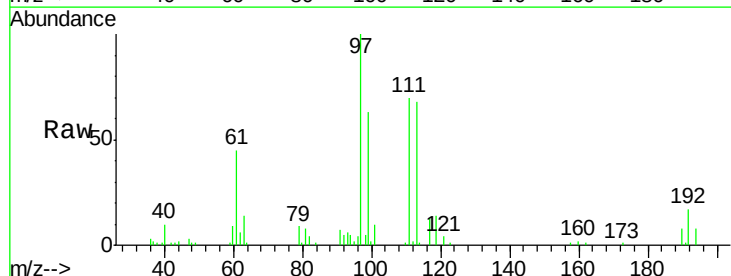
RT: 5.49 min Scan# 712

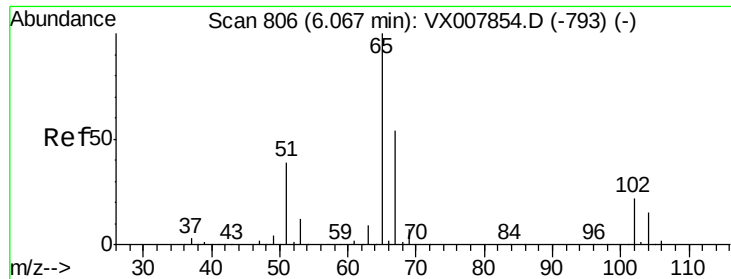
Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Tgt Ion:	97	Resp:	21424
Ion Ratio	Lower	Upper	
97	100		
99	64.4	52.2	78.2
61	43.8	34.9	52.3





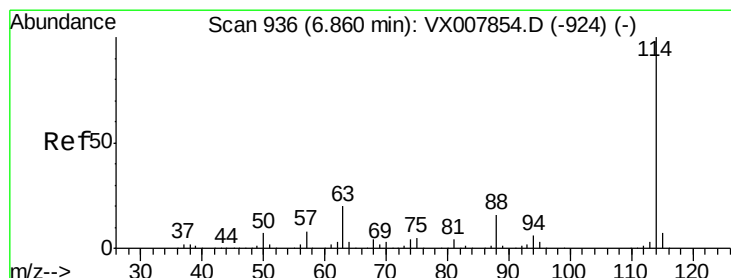
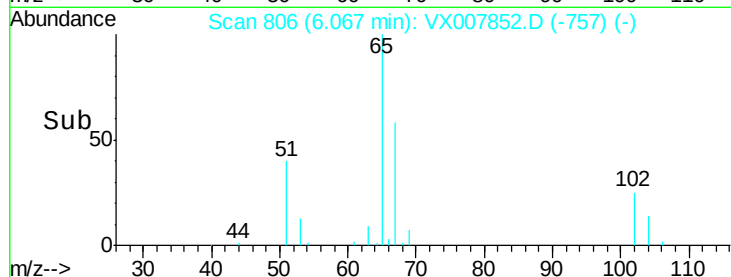
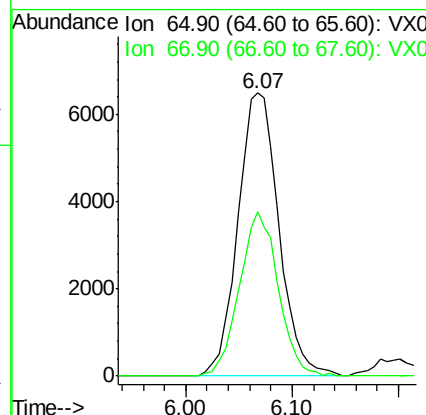
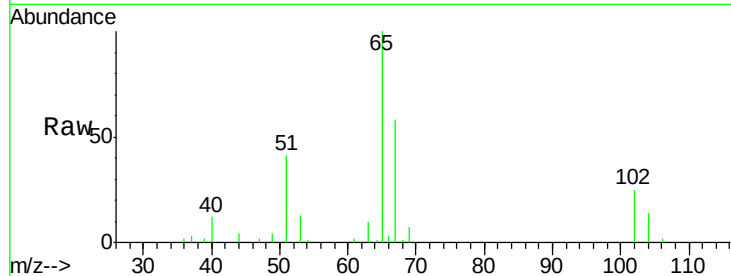
#33
 1,2-Dichloroethane-d4
 Concen: 5.350 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007852.D
 Acq: 06 Mar 2019 10:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 65 Resp: 17470
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 110.0

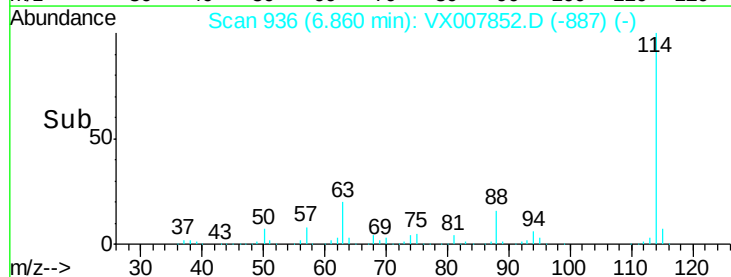
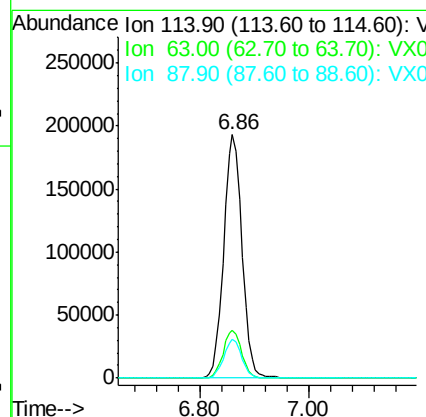
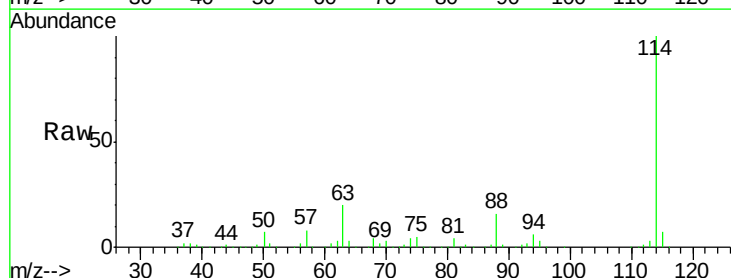
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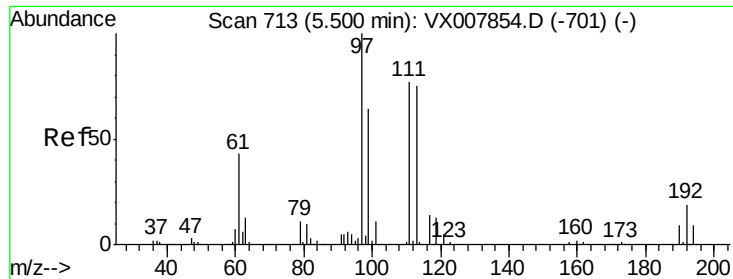
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 3/7/2019 10:34:46 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007852.D
 Acq: 06 Mar 2019 10:07

Tgt Ion: 114 Resp: 450486
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 16.0 0.0 31.4





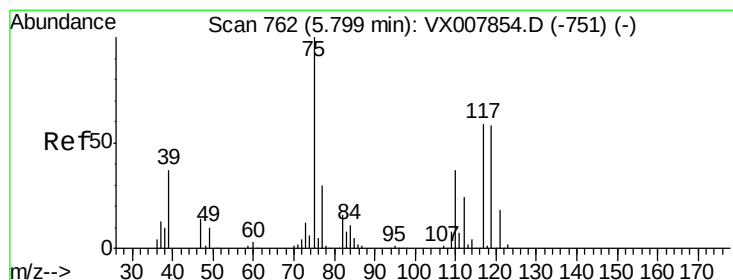
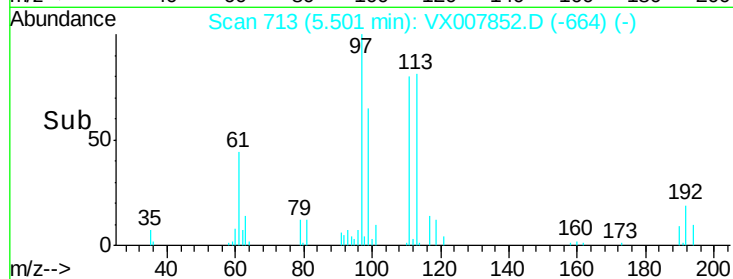
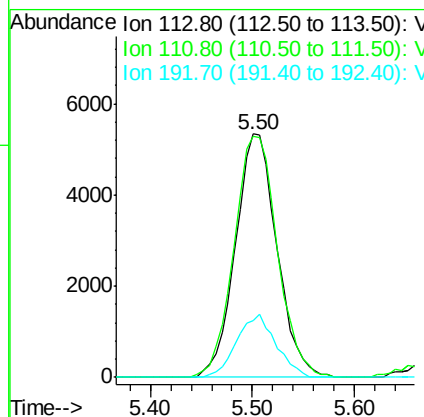
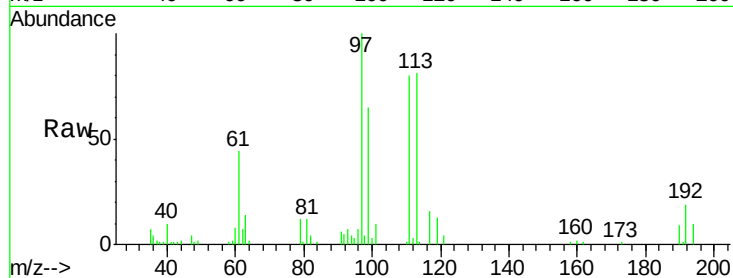
#35
Dibromofluoromethane
Concen: 5.228 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX007852.D
Acq: 06 Mar 2019 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100	15066		
111	103.4	81.4	122.0	
192	24.5	19.4	29.0	

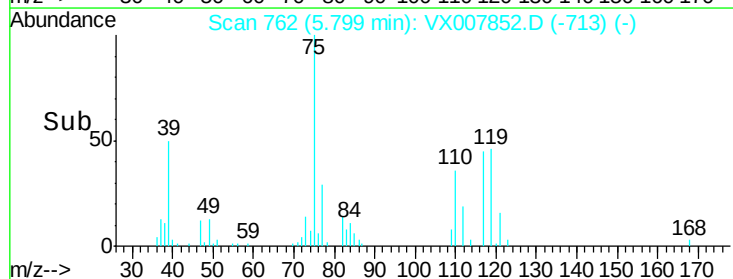
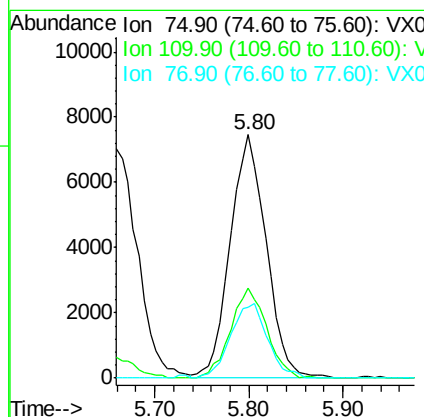
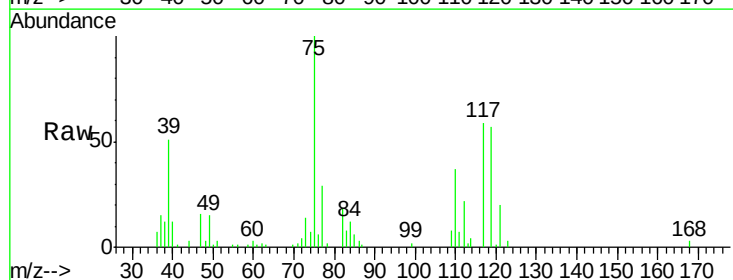
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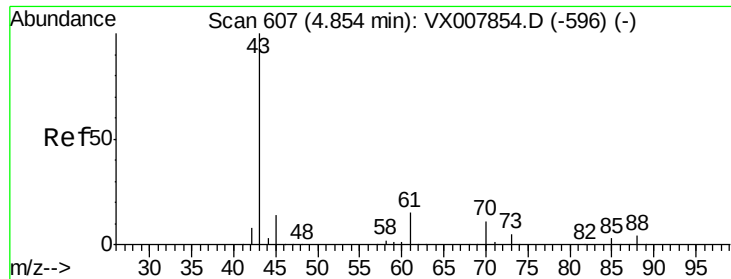
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3/7/2019 10:34:46 AM



#36
1,1-Dichloropropene
Concen: 4.891 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX007852.D
Acq: 06 Mar 2019 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19950		
110	36.9	18.4	55.0	
77	31.4	25.0	37.4	





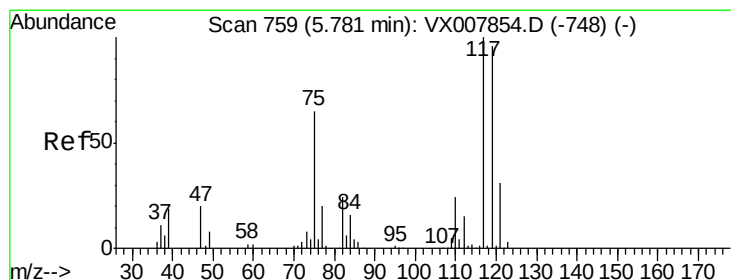
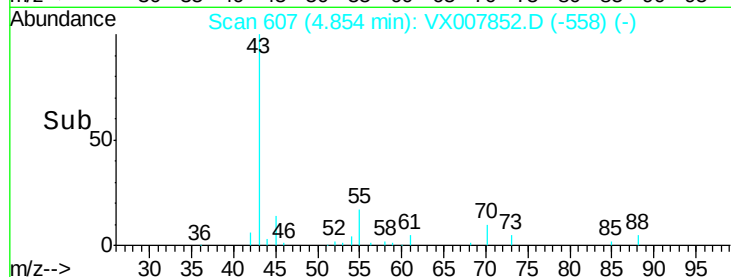
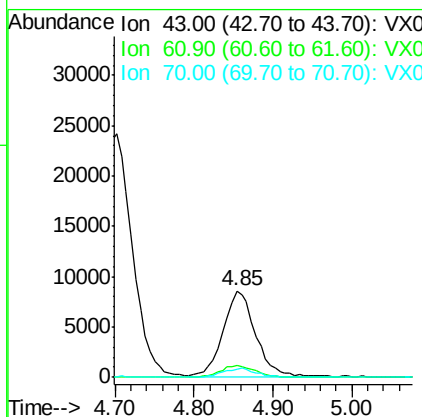
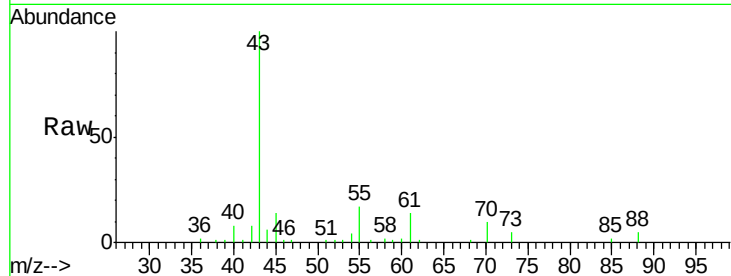
#37
Ethyl Acetate
Concen: 5.017 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX007852.D
Acq: 06 Mar 2019 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.3	16.9
70	11.0	8.5	12.7

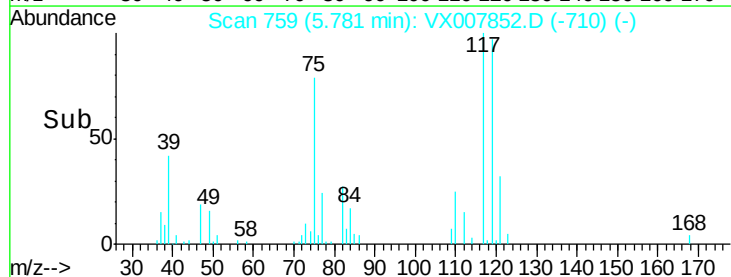
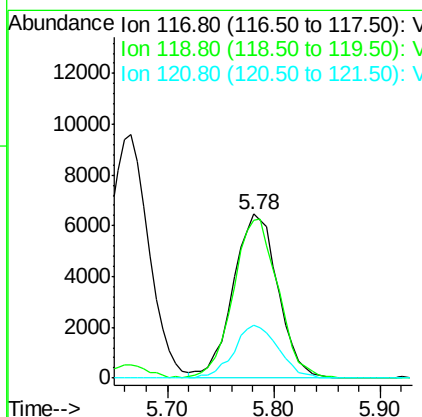
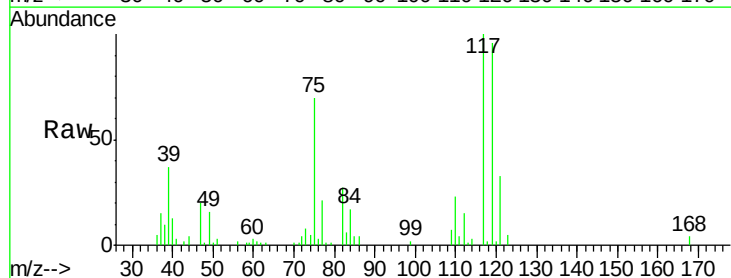
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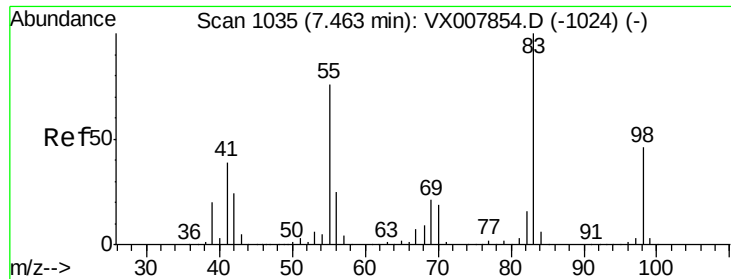
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#38
Carbon Tetrachloride
Concen: 4.932 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007852.D
Acq: 06 Mar 2019 10:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.2	114.2
121	32.5	24.6	36.8





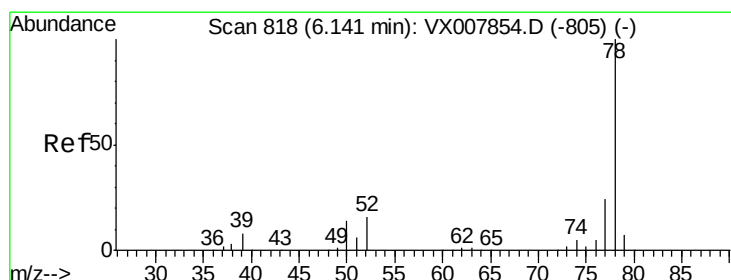
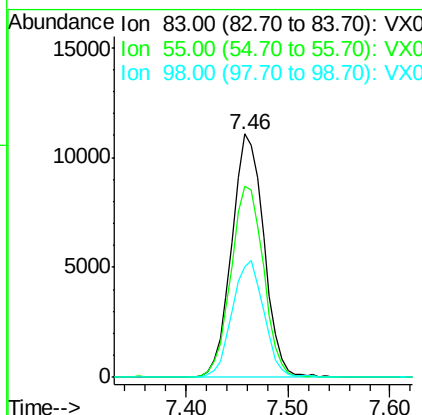
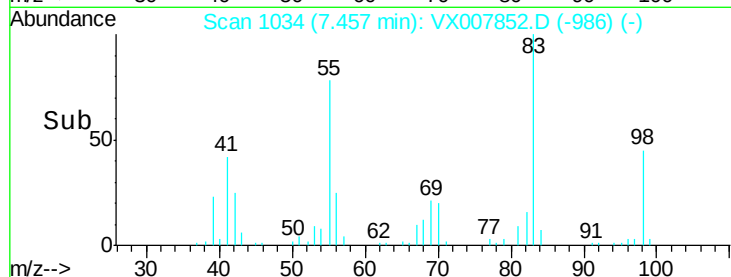
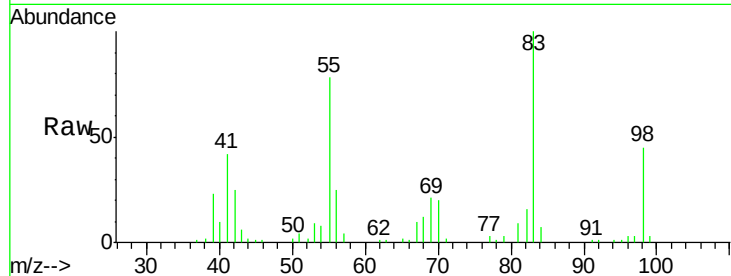
#39
Methylvlcyclohexane
Concen: 4.889 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007852.D
Acq: 06 Mar 2019 10:07

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.3	60.4	90.6
98	45.5	36.5	54.7

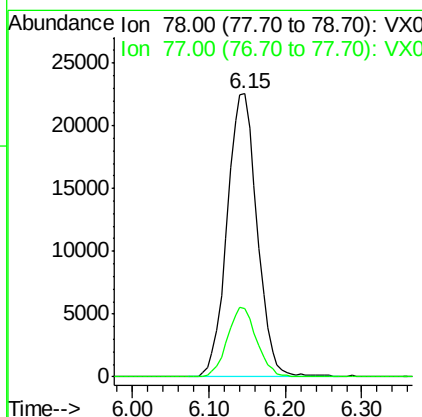
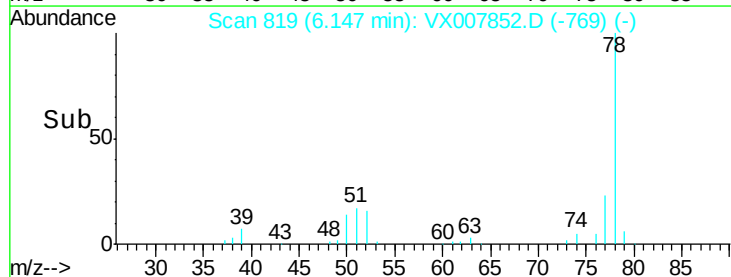
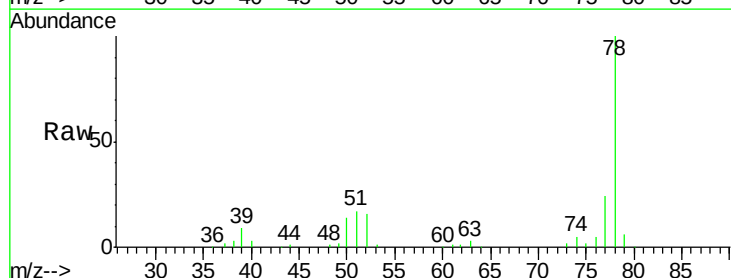
Manual Integrations
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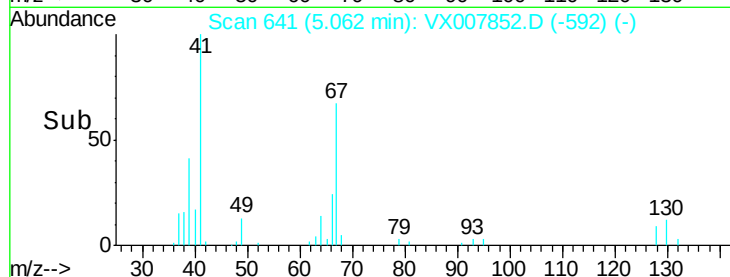
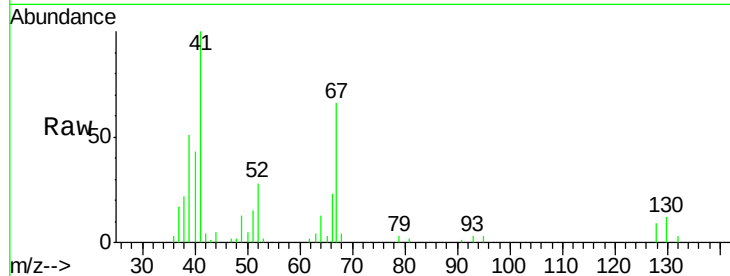
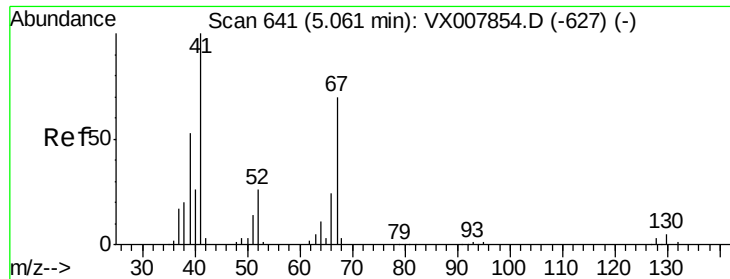
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#40
Benzene
Concen: 5.044 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007852.D
Acq: 06 Mar 2019 10:07

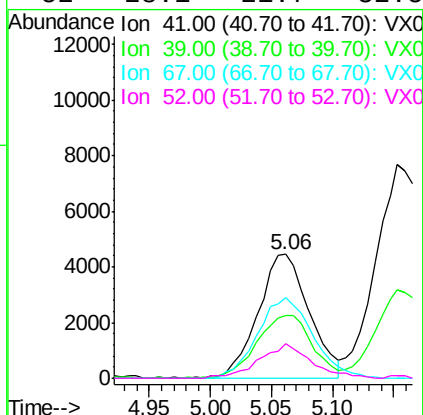
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.4





#41
Methacrylonitrile
Concen: 4.921 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX007852.D
Acq: 06 Mar 2019 10:07

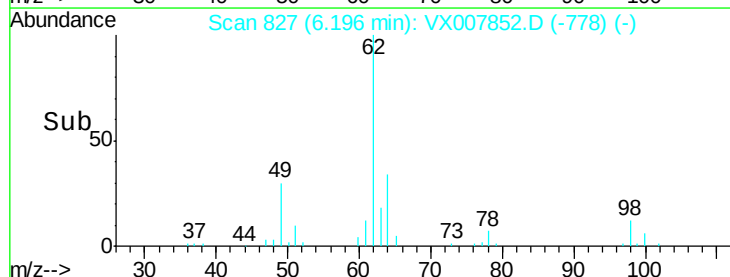
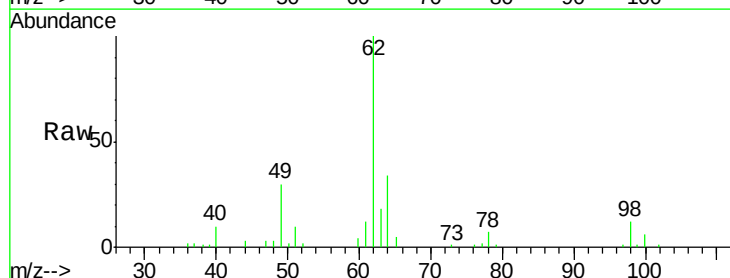
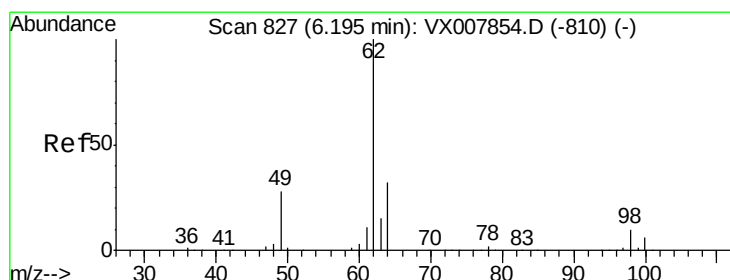
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.8	41.6	62.4	
67	69.8	55.8	83.6	
52	28.1	21.7	32.5	



Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

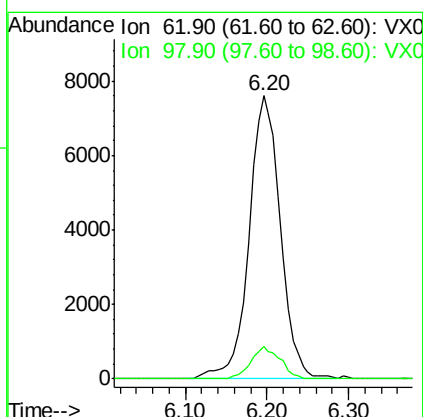
Manual Integrations
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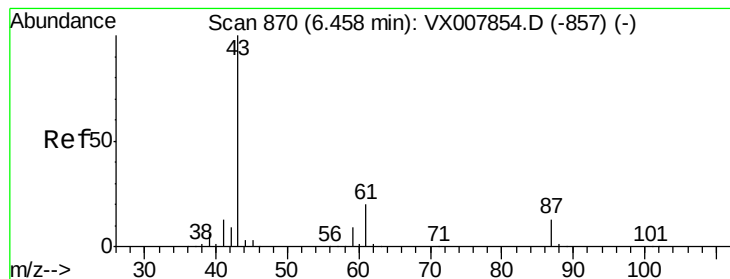
MMDadoda
3/7/2019 10:34:46 AM



#42
1,2-Dichloroethane
Concen: 5.140 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007852.D
Acq: 06 Mar 2019 10:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.6	0.0	20.4	





#43

Isopropyl Acetate

Concen: 4.921 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Instrument :

MSVOA_X

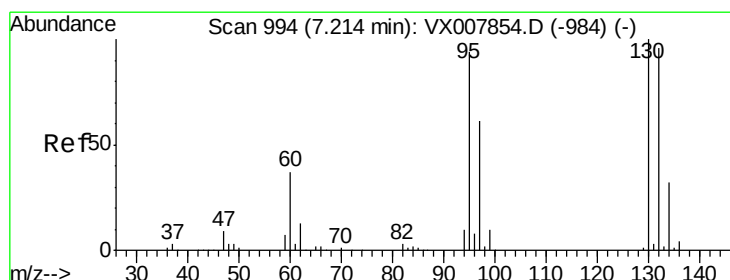
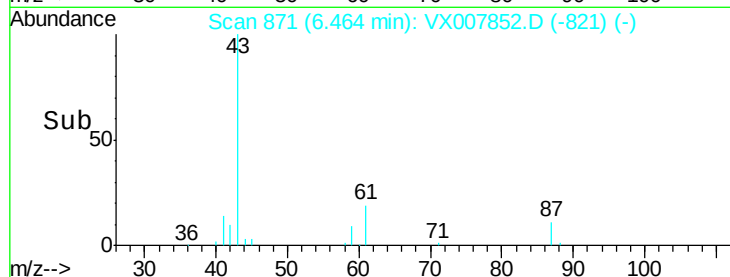
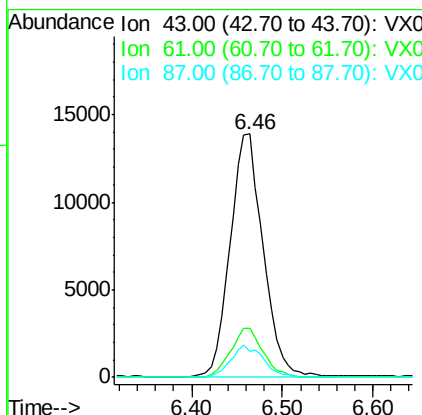
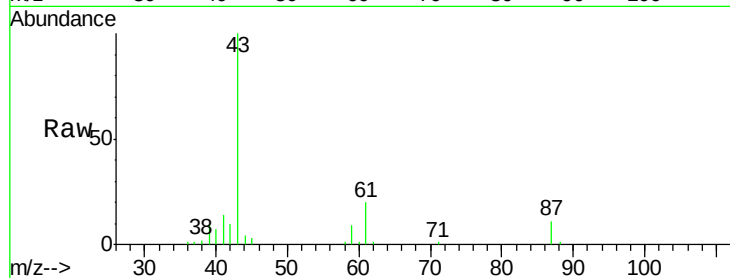
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	35250
Ion	Ratio	Lower	Upper
43	100		
61	19.6	16.3	24.5
87	12.9	10.5	15.7

Manual Integrations
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3/7/2019 10:34:46 AM



#44

Trichloroethene

Concen: 4.876 ug/l

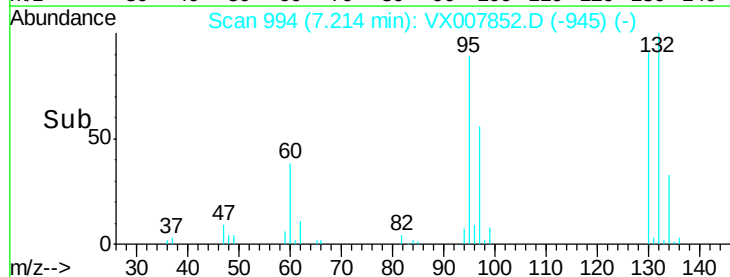
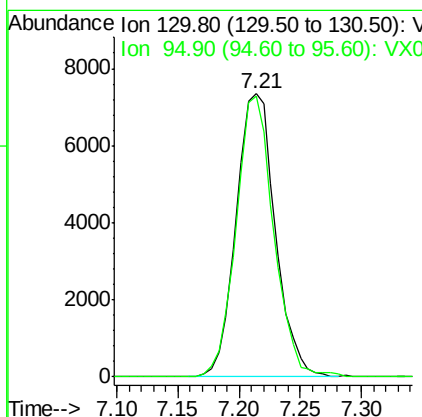
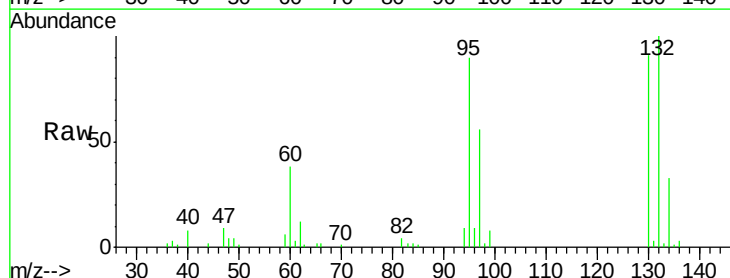
RT: 7.21 min Scan# 994

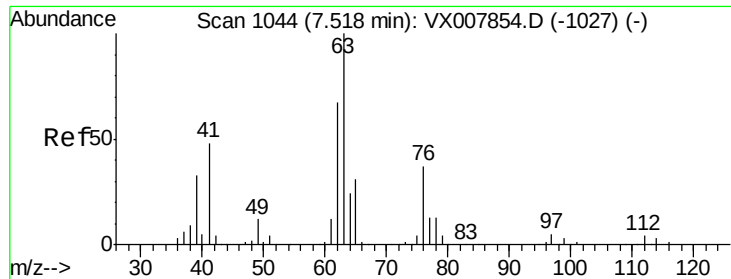
Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Tgt Ion:	130	Resp:	16317
Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	188.0





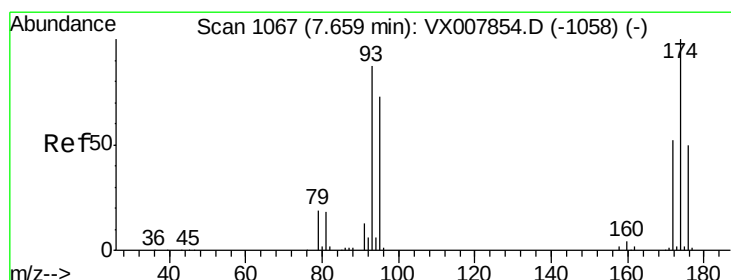
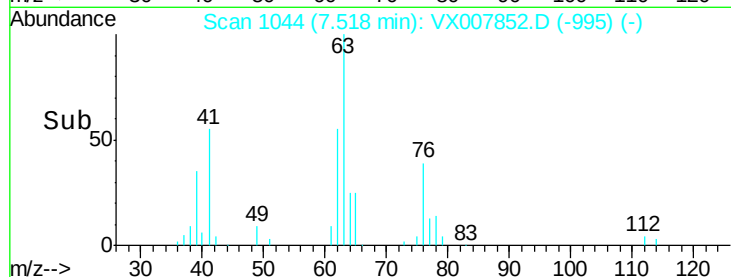
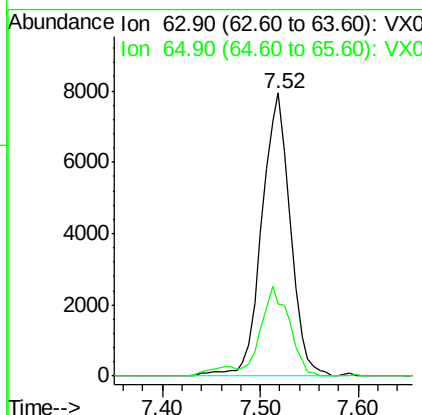
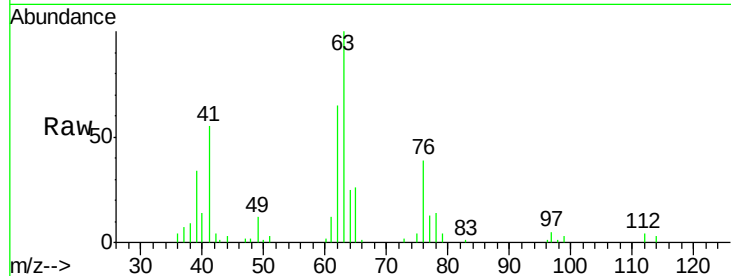
#45
 1,2-Dichloropropane
 Concen: 5.081 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX007852.D
 Acq: 06 Mar 2019 10:07

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tot Ion: 63 Resp: 16295
 Ion Ratio Lower Upper
 63 100
 65 25.6 24.7 37.1

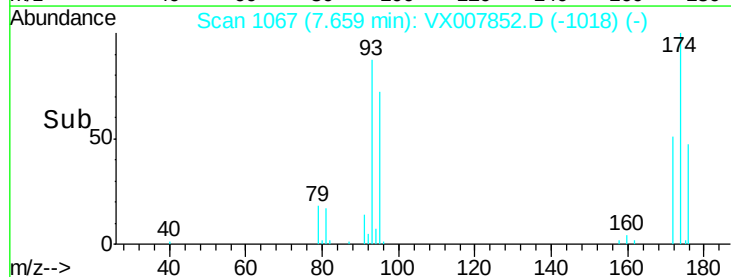
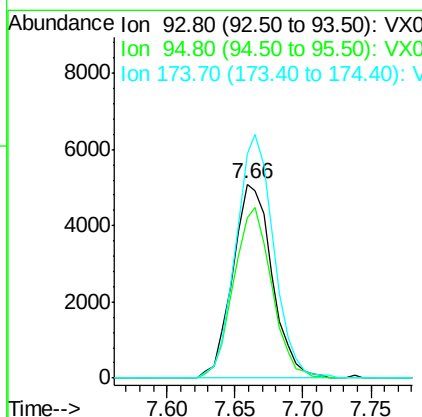
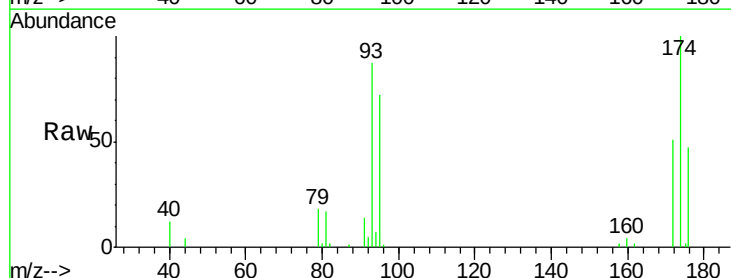
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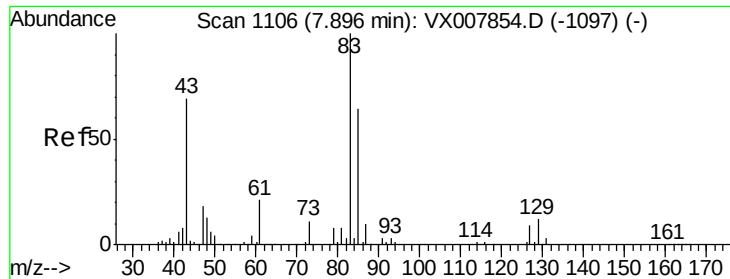
MMDadoda
 3/7/2019 10:34:46 AM



#46
 Dibromomethane
 Concen: 5.060 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX007852.D
 Acq: 06 Mar 2019 10:07

Tgt Ion: 93 Resp: 10271
 Ion Ratio Lower Upper
 93 100
 95 85.3 66.8 100.2
 174 120.7 97.3 145.9





#47

Bromodichloromethane

Concen: 4.960 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Instrument :

MSVOA_X

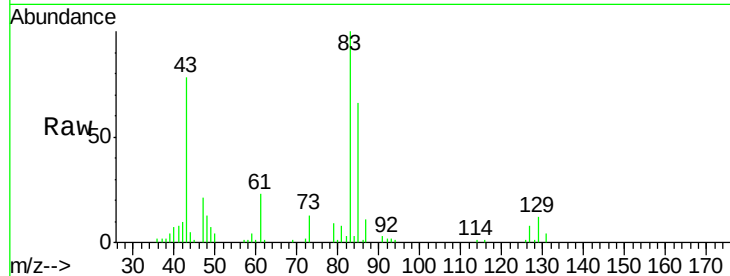
ClientSampled :

VSTDIC005

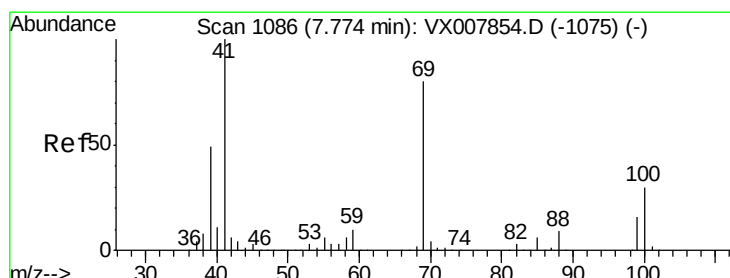
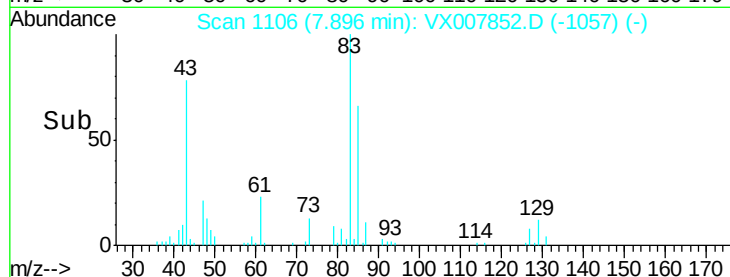
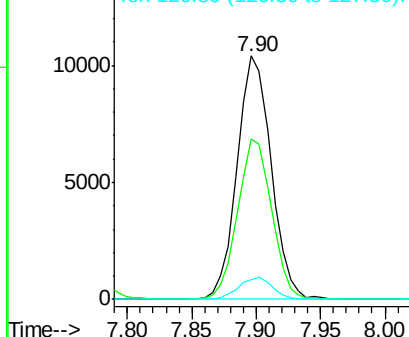
Tot Ion:	83	Resp:	19087
Ion	Ratio	Lower	Upper
83	100		
85	66.0	50.9	76.3
127	8.2	7.4	11.0

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 4.776 ug/l

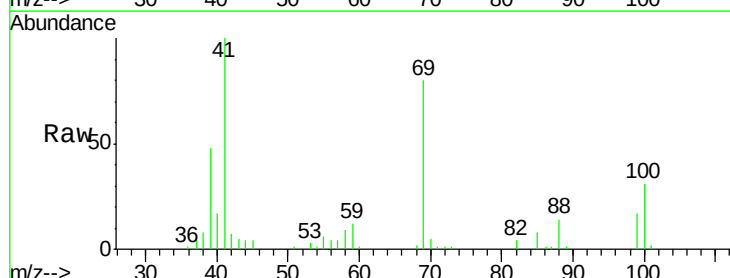
RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

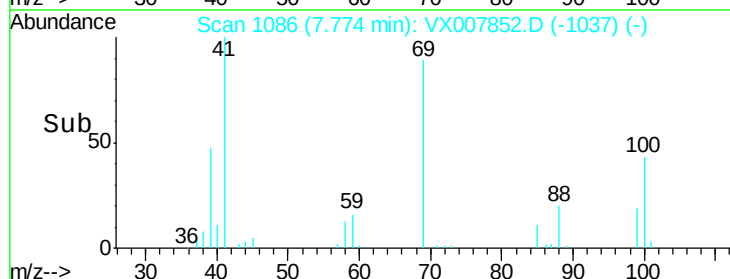
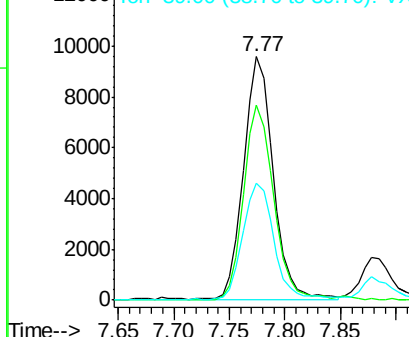
Lab File: VX007852.D

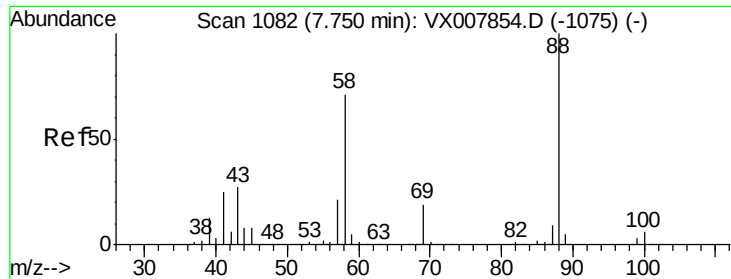
Acq: 06 Mar 2019 10:07

Tgt Ion:	41	Resp:	17990
Ion	Ratio	Lower	Upper
41	100		
69	80.4	65.2	97.8
39	50.4	39.4	59.2



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





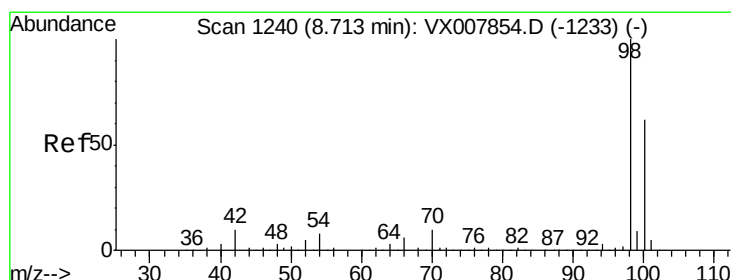
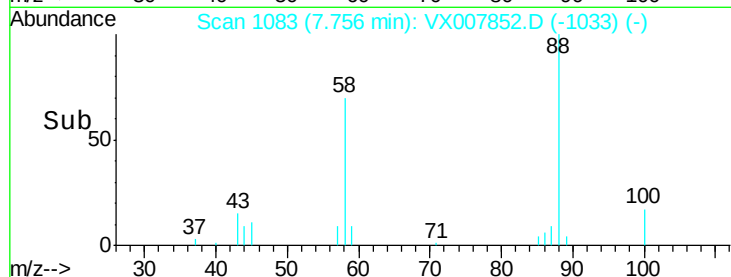
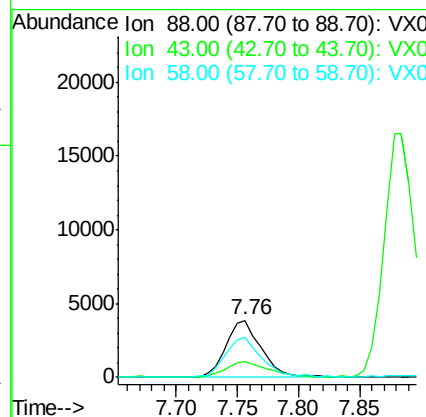
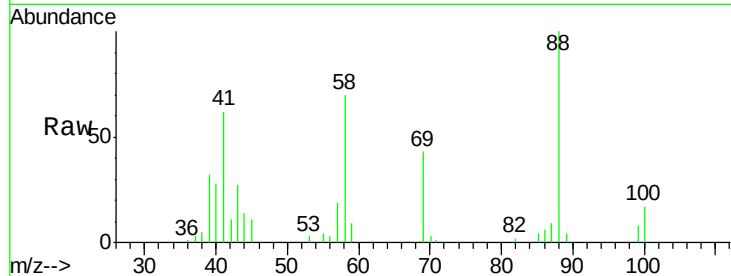
#49
1,4-Dioxane
Concen: 99.377 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX007852.D
Acq: 06 Mar 2019 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.1	25.1	37.7
58	73.4	57.8	86.6

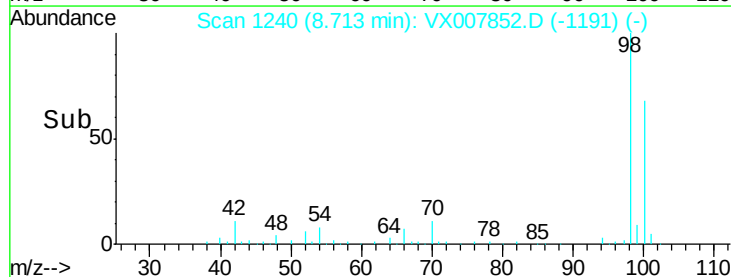
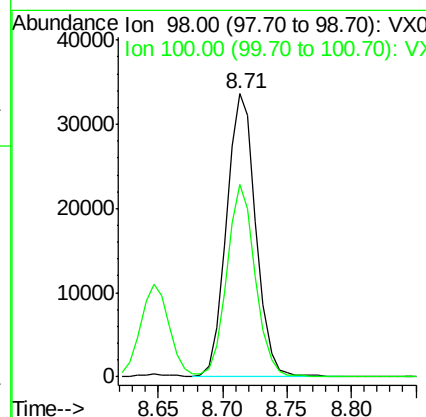
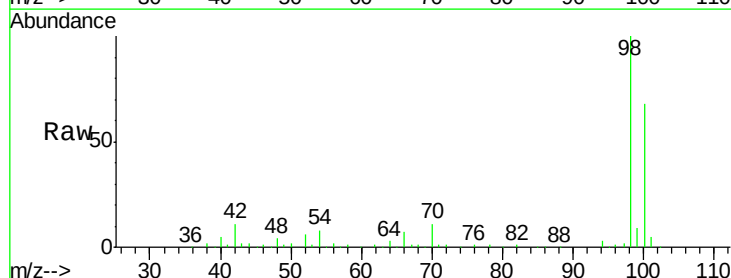
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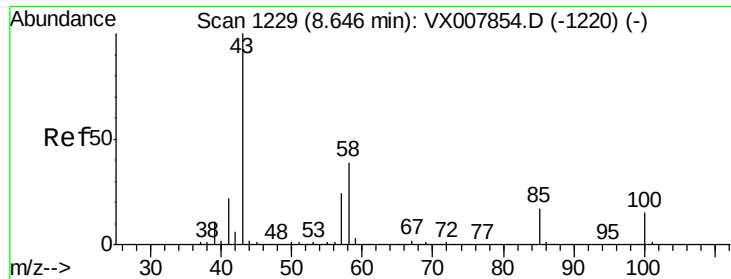
MMDadoda
3/7/2019 10:34:46 AM



#50
Toluene-d8
Concen: 5.041 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007852.D
Acq: 06 Mar 2019 10:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 25.203 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 116114

Ion Ratio Lower Upper

43 100

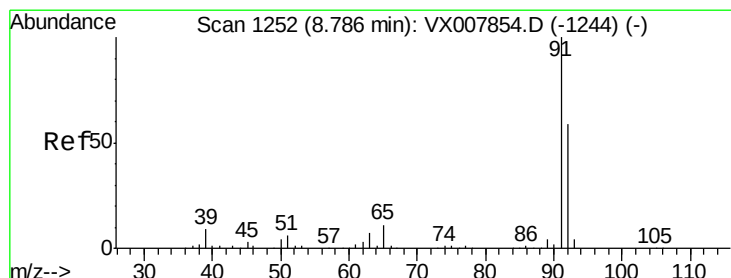
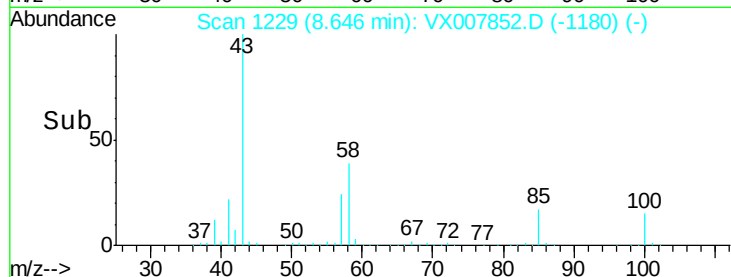
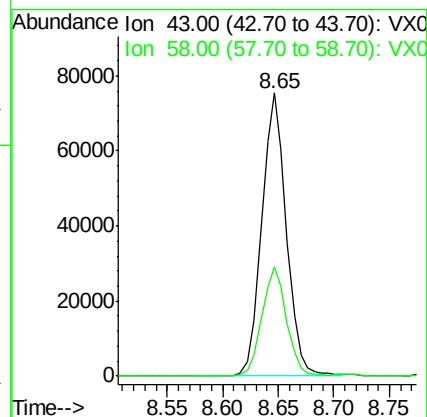
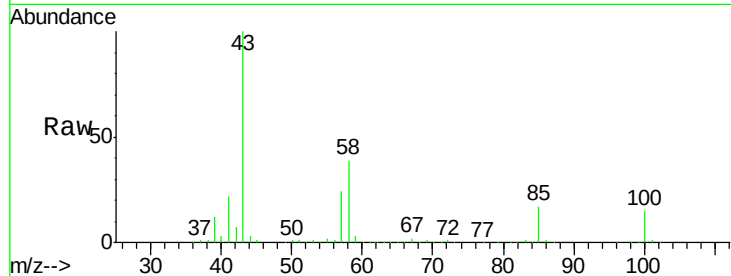
58 38.7 31.3 46.9

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MMDadoda

3/7/2019 10:34:46 AM



#52

Toluene

Concen: 5.092 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007852.D

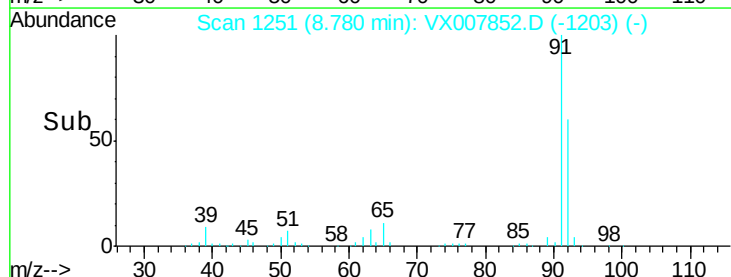
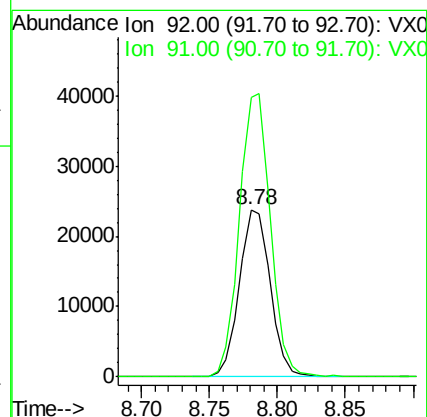
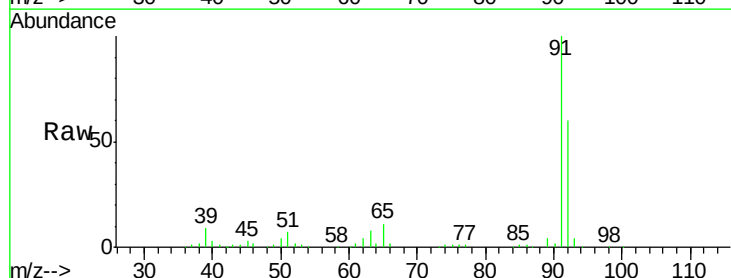
Acq: 06 Mar 2019 10:07

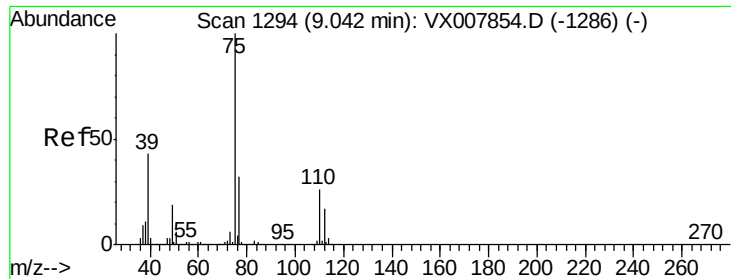
Tgt Ion: 92 Resp: 37753

Ion Ratio Lower Upper

92 100

91 170.4 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 4.530 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 18197

Ion Ratio Lower Upper

75 100

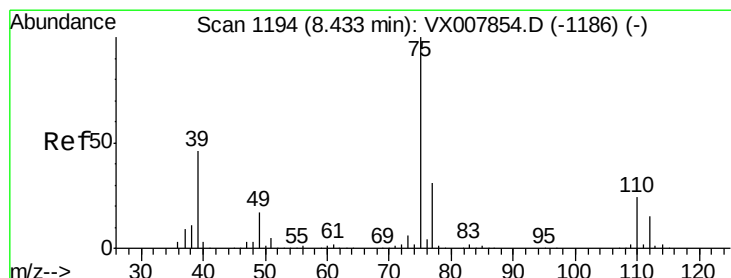
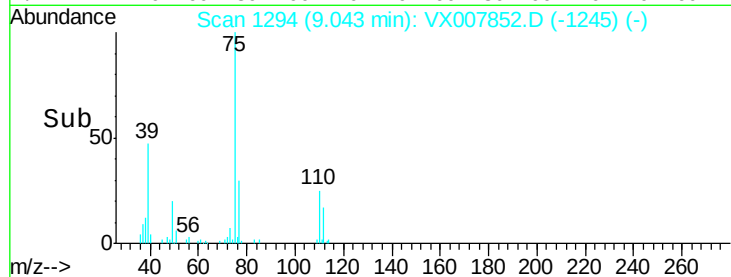
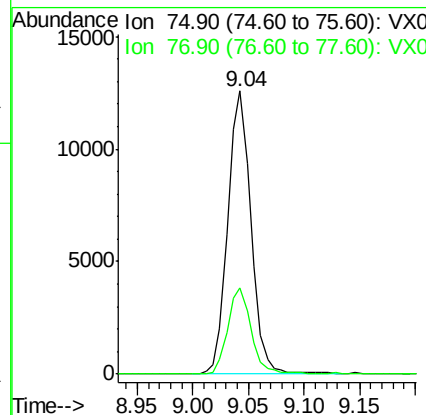
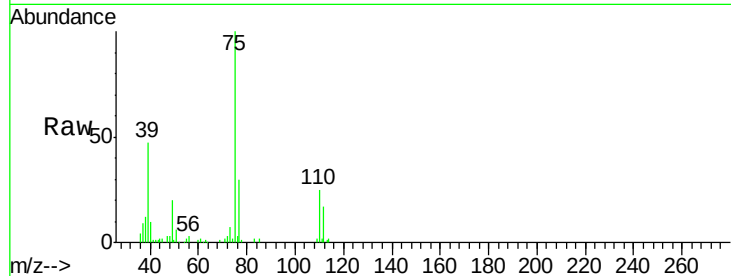
77 30.5 25.4 38.0

Manual Integrations

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MMDadoda

3/7/2019 10:34:46 AM



#54

cis-1,3-Dichloropropene

Concen: 4.724 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

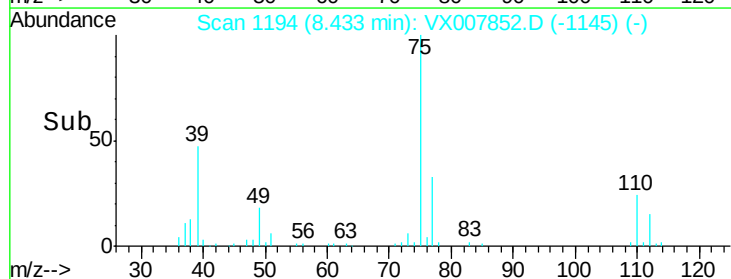
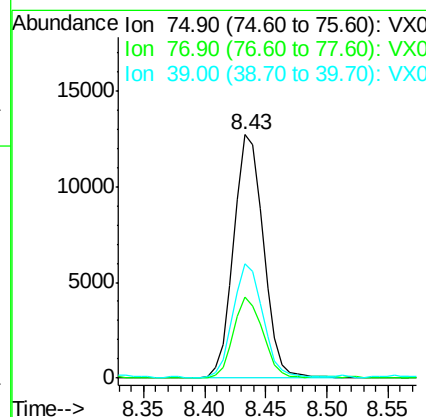
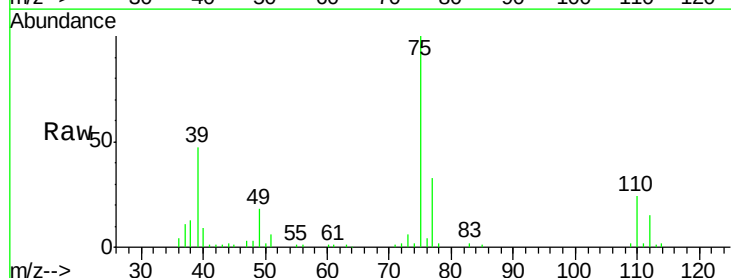
Tgt Ion: 75 Resp: 21428

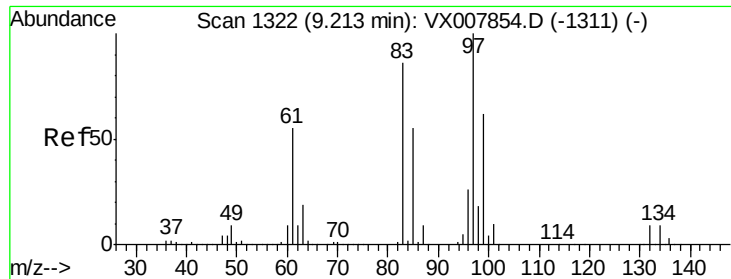
Ion Ratio Lower Upper

75 100

77 33.1 25.0 37.6

39 47.1 36.6 54.8





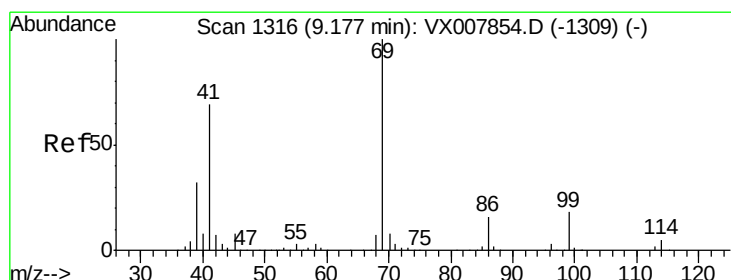
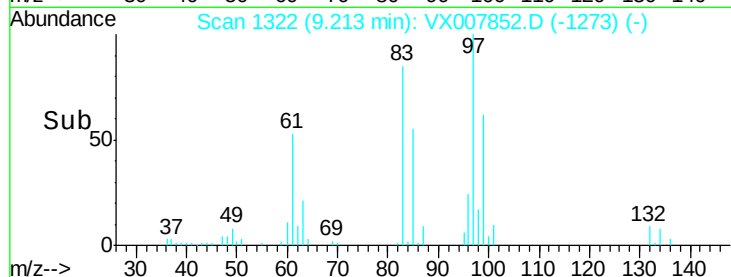
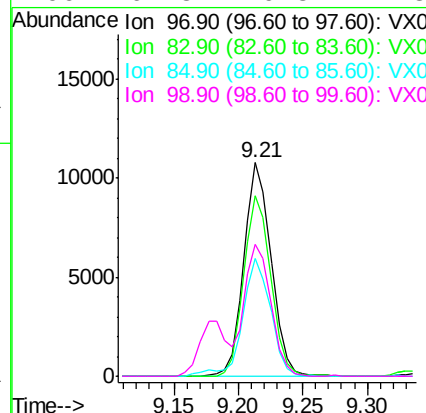
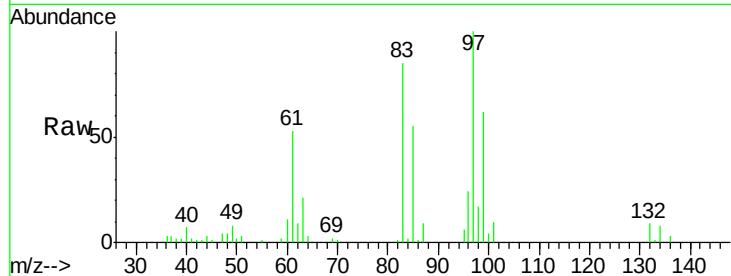
#55
1,1,2-Trichloroethane
Concen: 5.261 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX007852.D
Acq: 06 Mar 2019 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	97	Resp:	15791
Ion	Ratio	Lower	Upper
97	100		
83	84.6	69.1	103.7
85	55.2	44.3	66.5
99	61.8	49.8	74.8

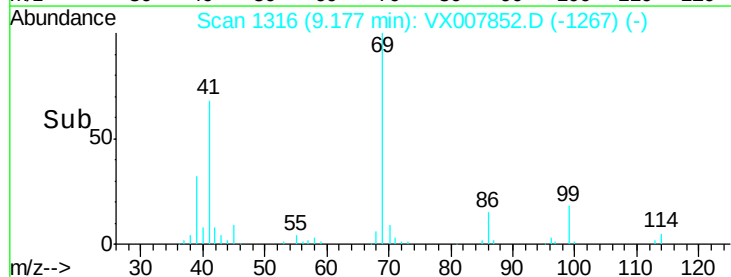
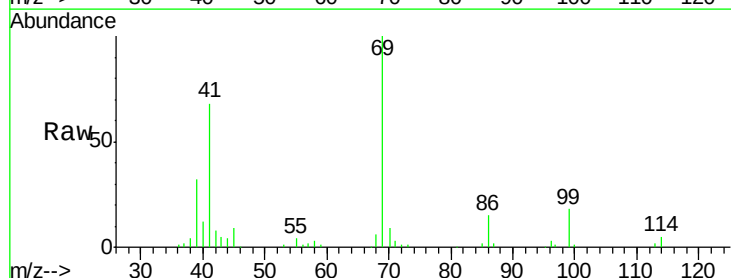
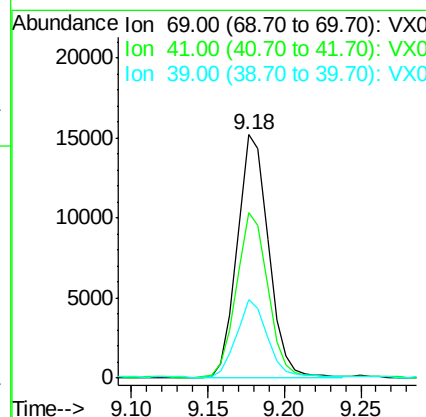
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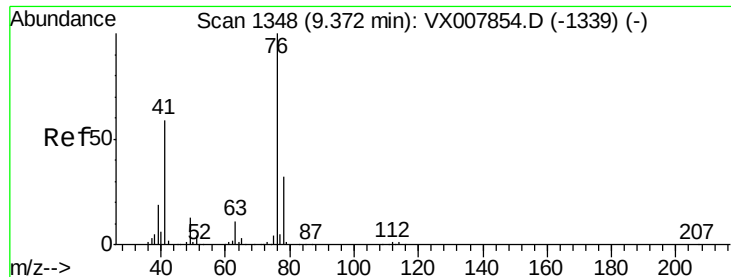
MMDadoda
3/7/2019 10:34:46 AM



#56
Ethyl methacrylate
Concen: 4.811 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX007852.D
Acq: 06 Mar 2019 10:07

Tgt Ion:	69	Resp:	21681
Ion	Ratio	Lower	Upper
69	100		
41	69.4	54.2	81.4
39	32.7	25.0	37.4





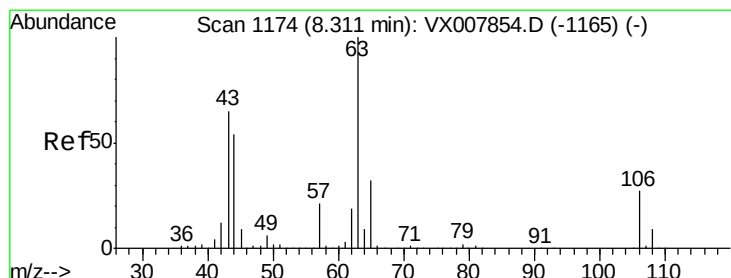
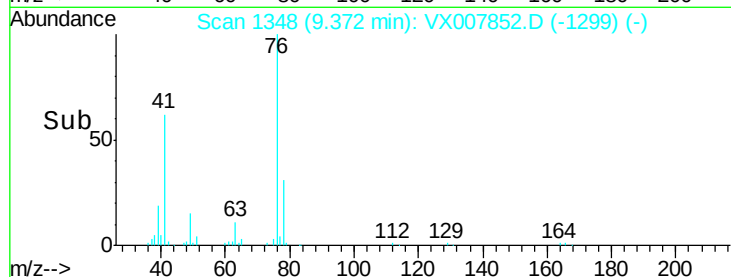
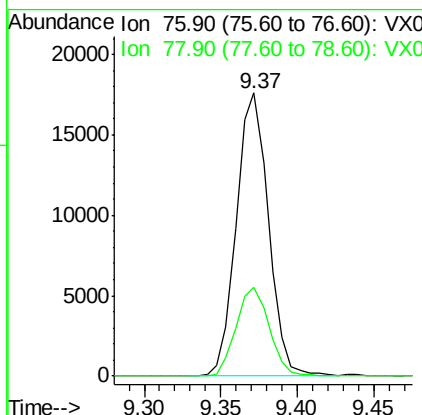
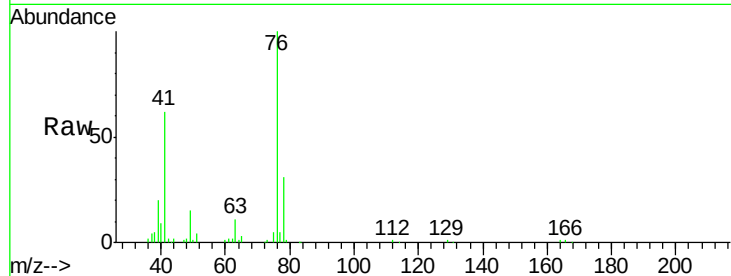
#57
 1,3-Dichloropropane
 Concen: 5.102 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX007852.D
 Acq: 06 Mar 2019 10:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3

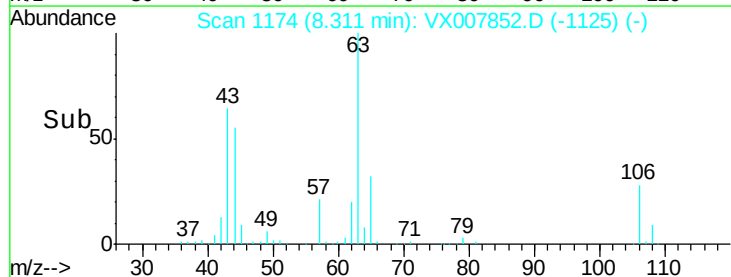
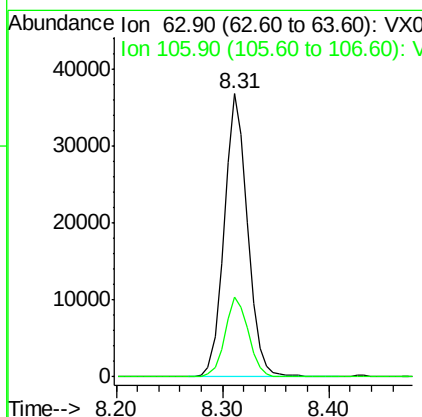
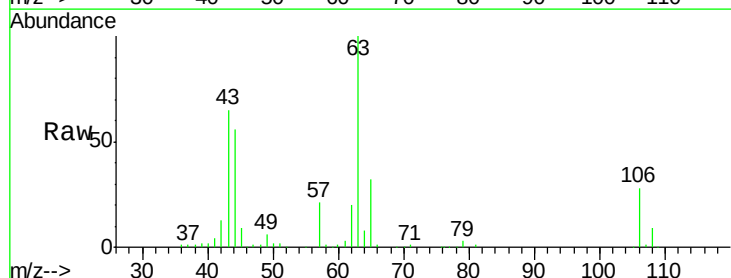
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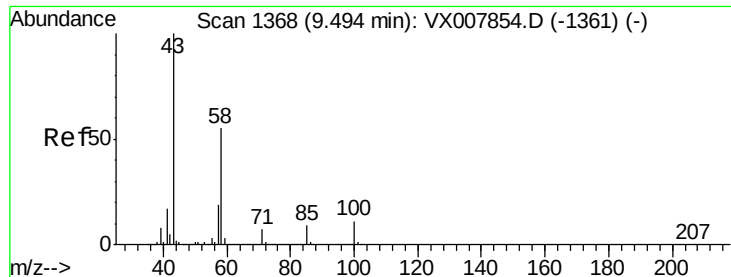
MMDadoda
 3/7/2019 10:34:46 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 24.273 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX007852.D
 Acq: 06 Mar 2019 10:07

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.2	22.2	33.2





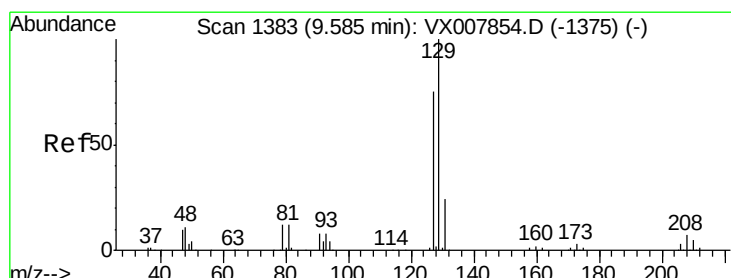
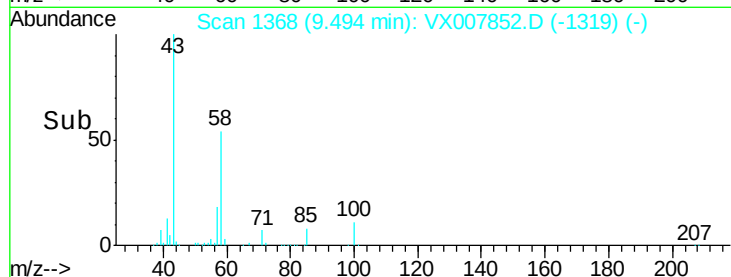
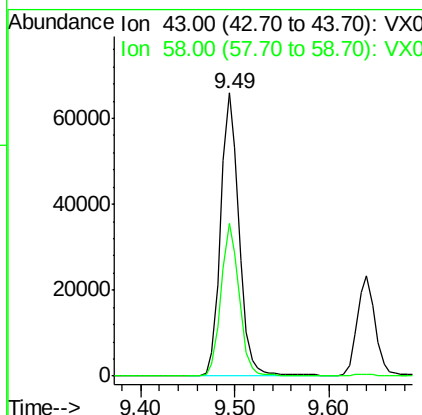
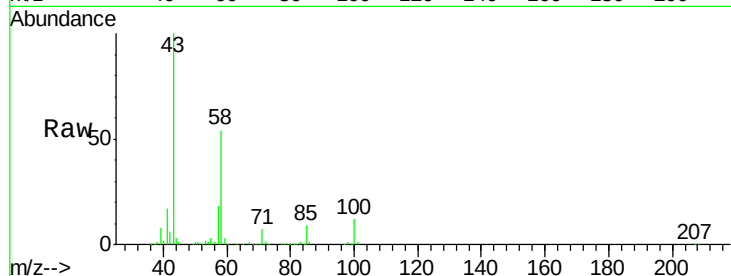
#59
2-Hexanone
Concen: 25.098 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007852.D
Acq: 06 Mar 2019 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 89772
Ion Ratio Lower Upper
43 100
58 53.2 27.6 82.7

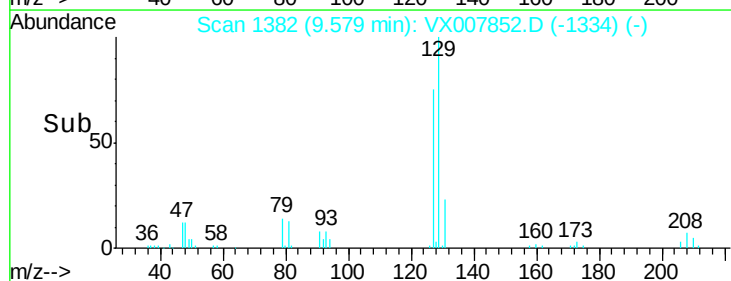
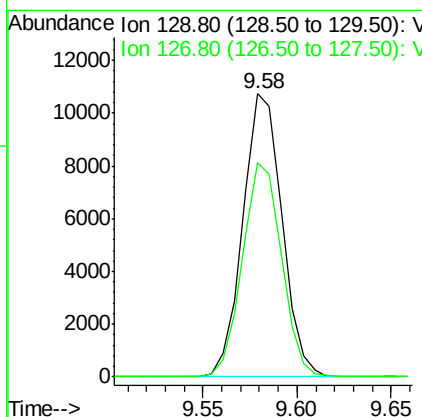
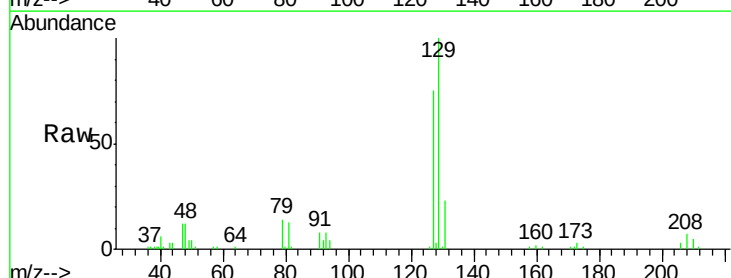
Manual Integrations
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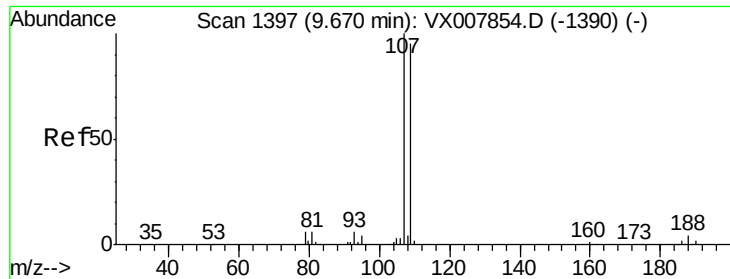
MMDadoda
3/7/2019 10:34:46 AM



#60
Dibromochloromethane
Concen: 4.934 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007852.D
Acq: 06 Mar 2019 10:07

Tgt Ion: 129 Resp: 15479
Ion Ratio Lower Upper
129 100
127 75.4 38.3 114.8





#61

1,2-Dibromoethane

Concen: 4.998 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 15925

Ion Ratio Lower Upper

107 100

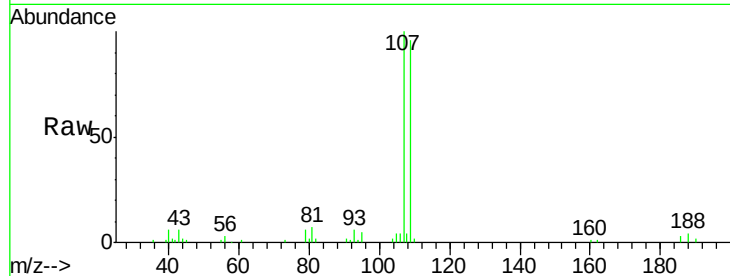
109 95.1 75.8 113.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

12000

10000

8000

6000

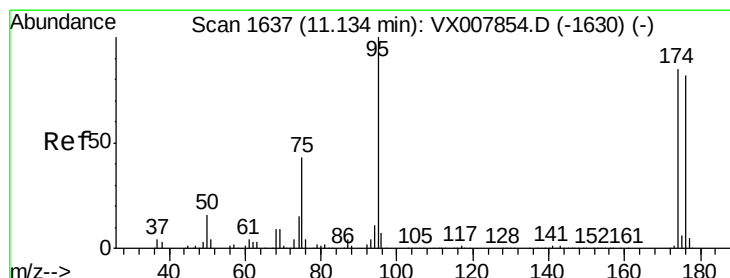
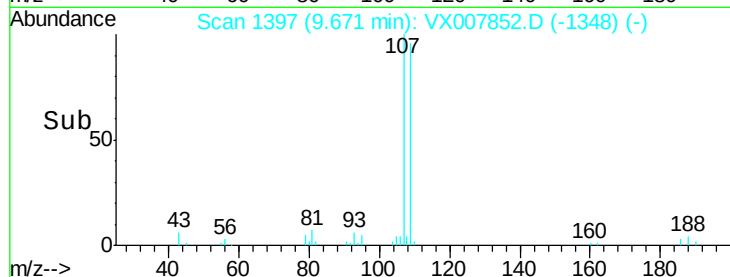
4000

2000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 4.669 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

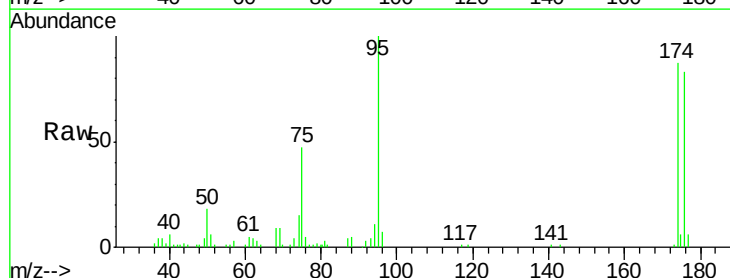
Tgt Ion: 95 Resp: 17322

Ion Ratio Lower Upper

95 100

174 95.1 0.0 182.8

176 92.0 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

15000

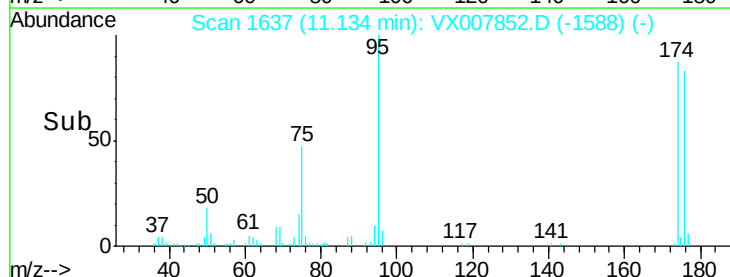
10000

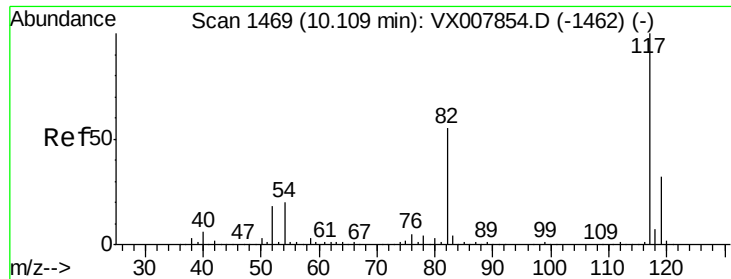
5000

0

11.10 11.15 11.20

Time-->





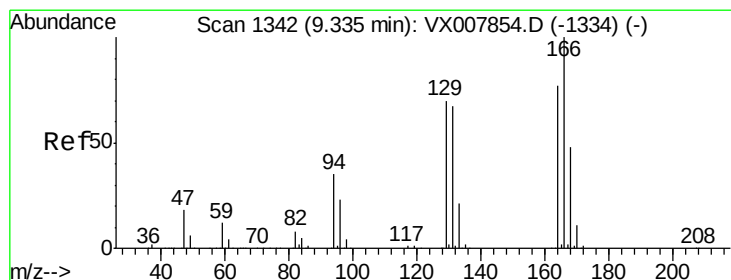
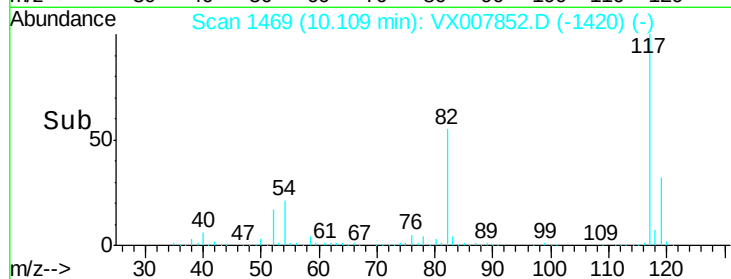
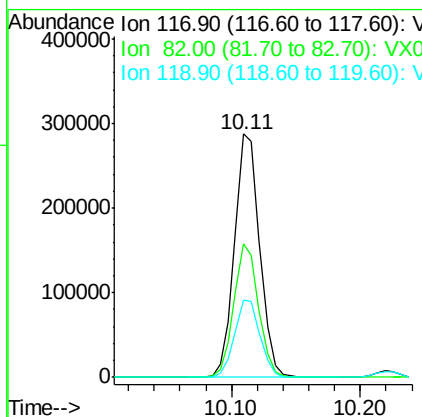
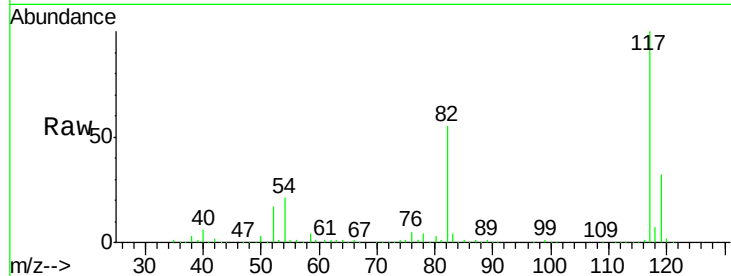
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007852.D
Acq: 06 Mar 2019 10:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.3	66.5
119	31.7	25.3	37.9

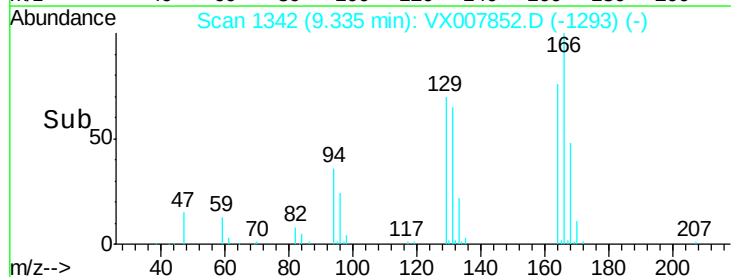
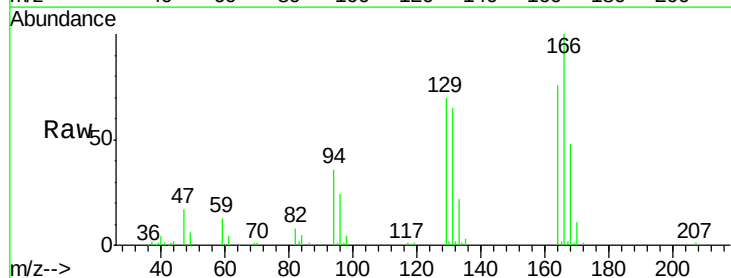
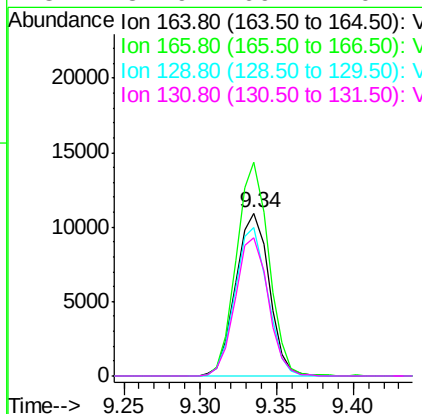
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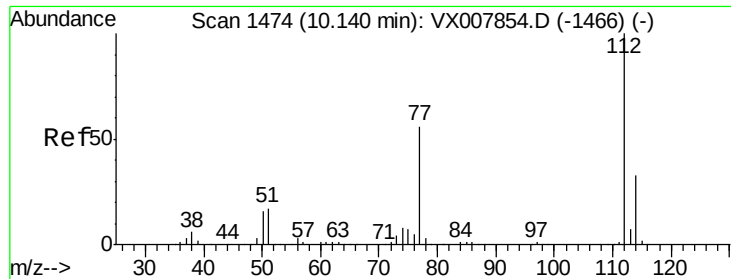
MMDadoda
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#64
Tetrachloroethene
Concen: 5.137 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007852.D
Acq: 06 Mar 2019 10:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.2	103.4	155.0
129	91.2	72.2	108.4
131	84.9	69.4	104.2





#65

Chlorobenzene

Concen: 5.030 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 41251

Ion Ratio Lower Upper

112 100

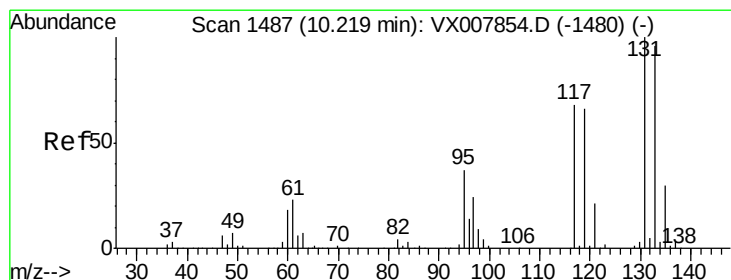
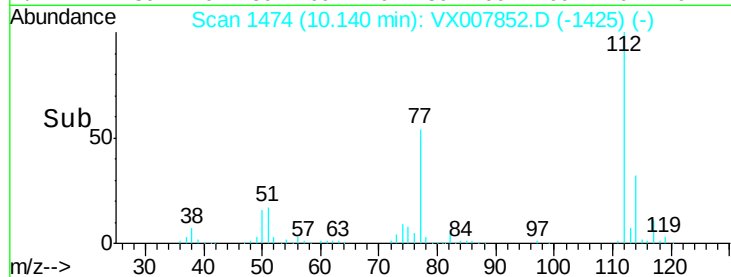
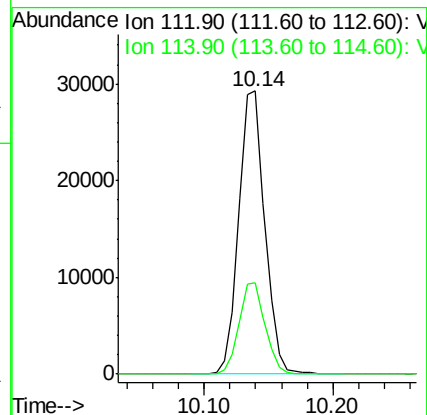
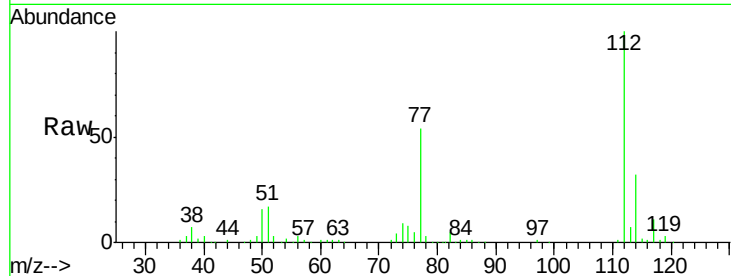
114 32.3 26.0 39.0

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#66

1,1,1,2-Tetrachloroethane

Concen: 4.934 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

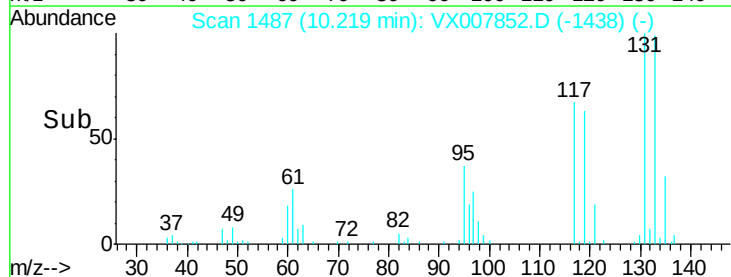
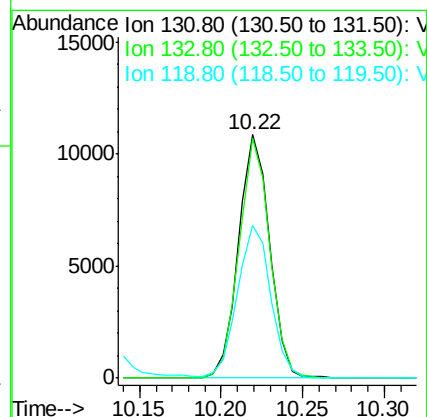
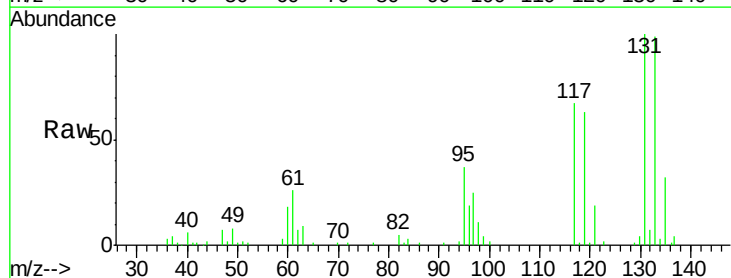
Tgt Ion:131 Resp: 14501

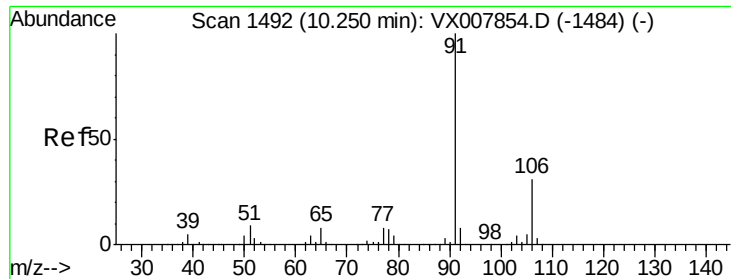
Ion Ratio Lower Upper

131 100

133 96.8 47.8 143.3

119 66.9 32.5 97.5





#67

Ethyl Benzene

Concen: 4.921 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 66436

Ion Ratio Lower Upper

91 100

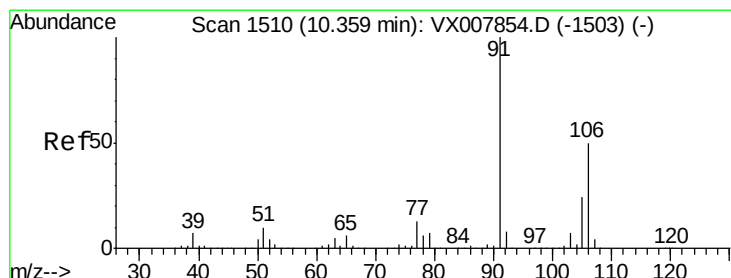
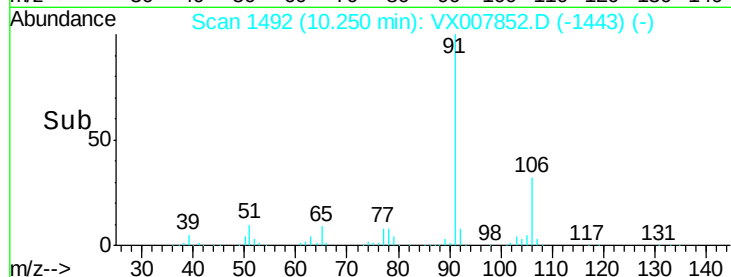
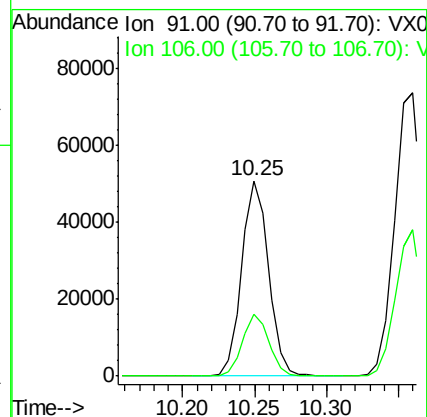
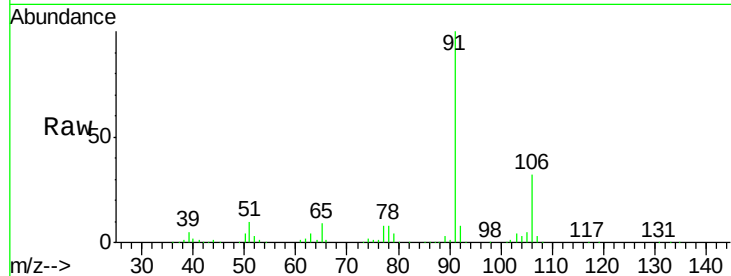
106 31.6 25.2 37.8

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#68

m/p-Xylenes

Concen: 9.812 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007852.D

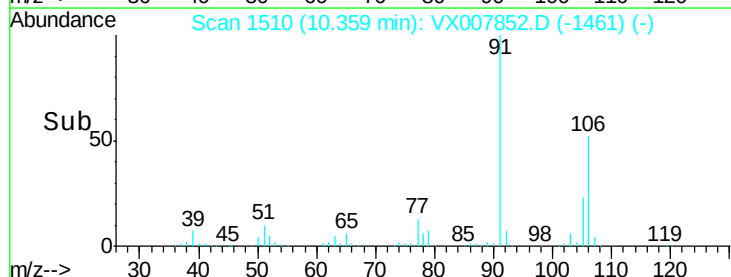
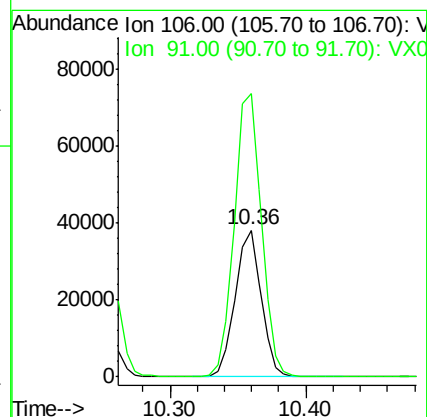
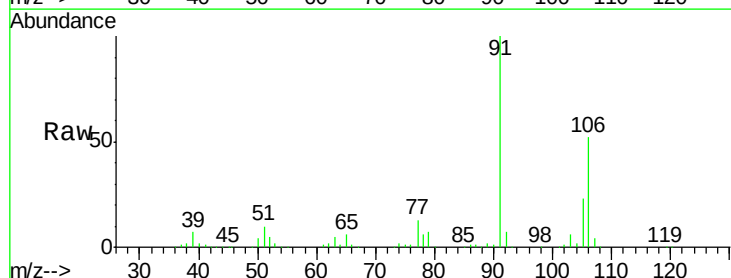
Acq: 06 Mar 2019 10:07

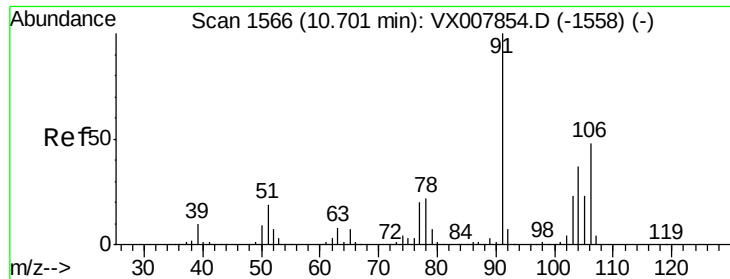
Tgt Ion: 106 Resp: 51059

Ion Ratio Lower Upper

106 100

91 200.8 159.8 239.6





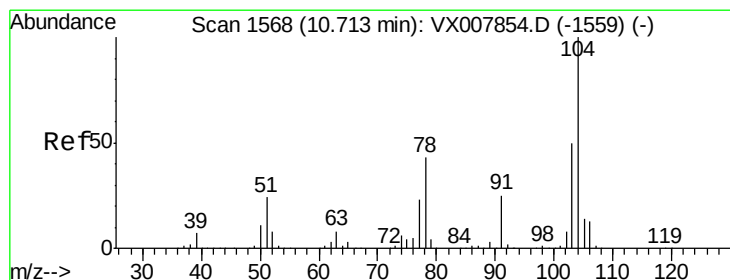
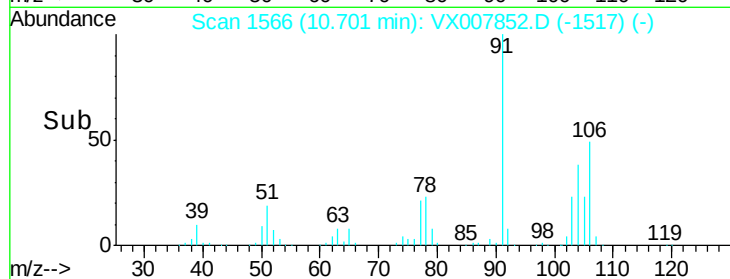
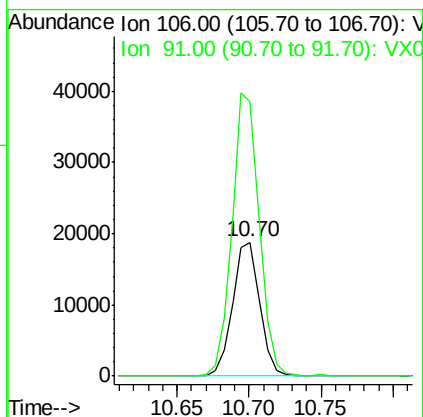
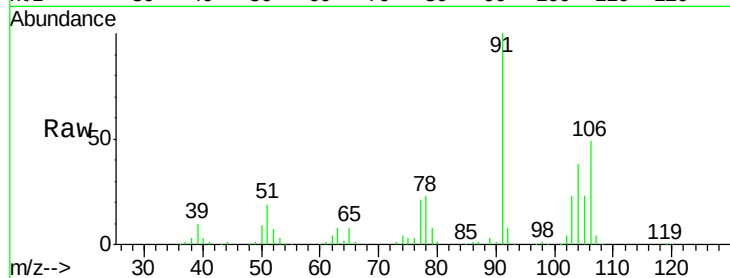
#69
o-Xylene
Concen: 4.937 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX007852.D
Acq: 06 Mar 2019 10:07

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 24804
Ion Ratio Lower Upper
106 100
91 212.1 106.3 318.9

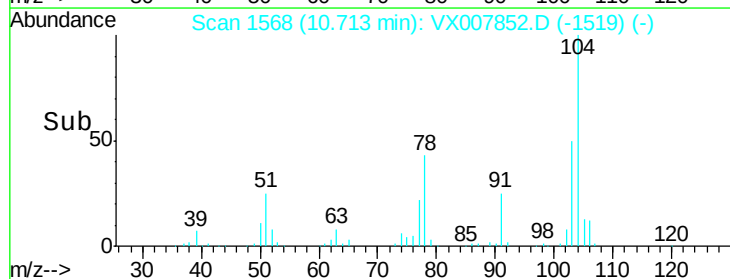
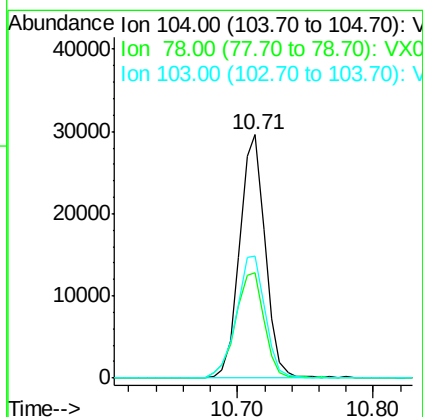
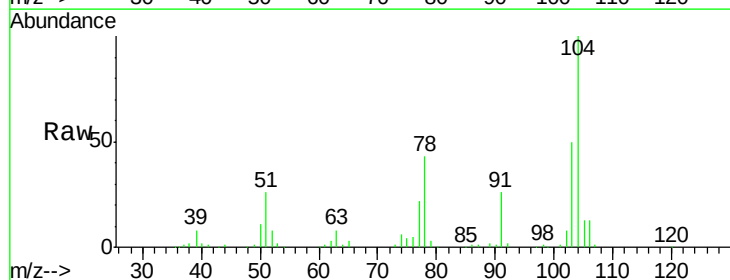
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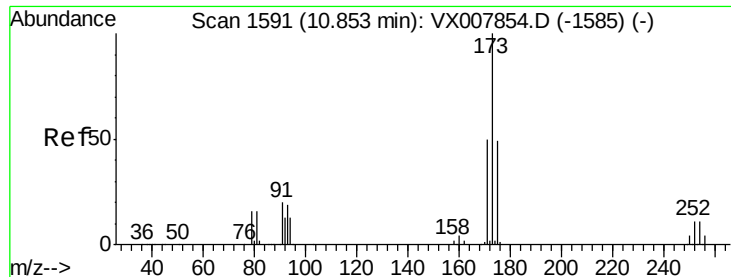
MMDadoda
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#70
Styrene
Concen: 4.723 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007852.D
Acq: 06 Mar 2019 10:07

Tgt Ion:104 Resp: 38825
Ion Ratio Lower Upper
104 100
78 49.1 38.5 57.7
103 56.3 44.1 66.1





#71

Bromoform

Concen: 4.630 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 11688

Ion Ratio Lower Upper

173 100

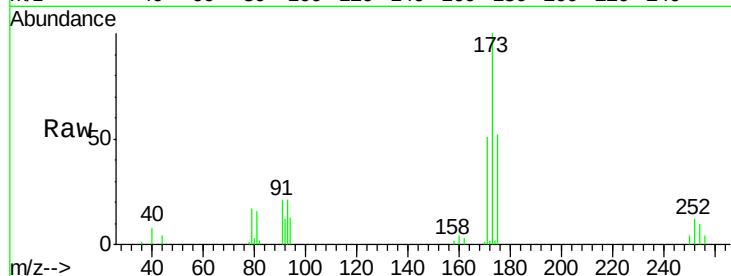
175 49.4 24.3 72.9

254 0.0 0.1 0.1#

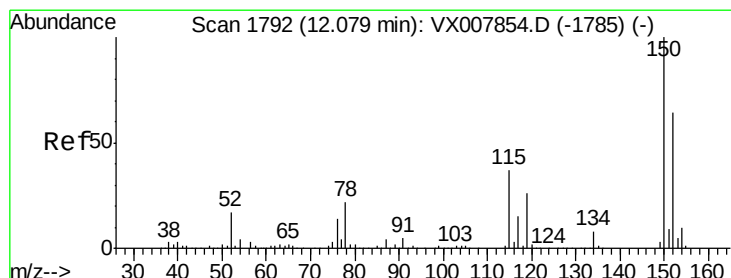
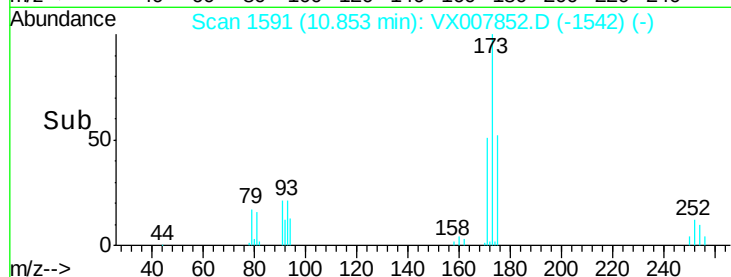
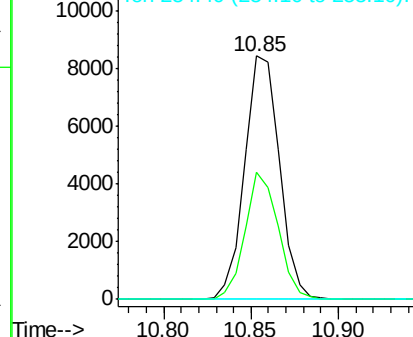
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

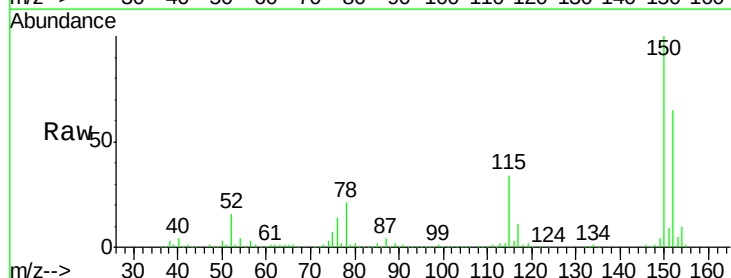
Tgt Ion:152 Resp: 189484

Ion Ratio Lower Upper

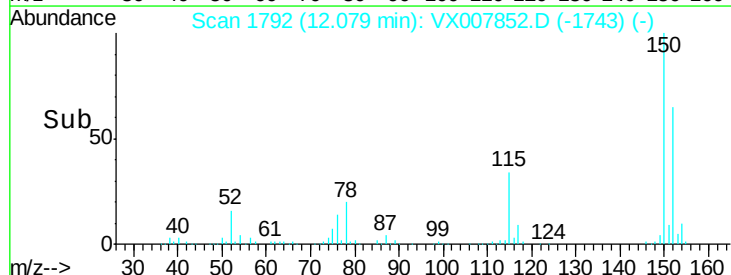
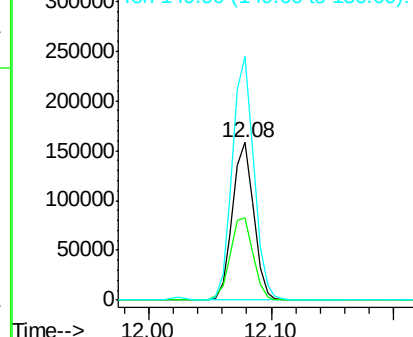
152 100

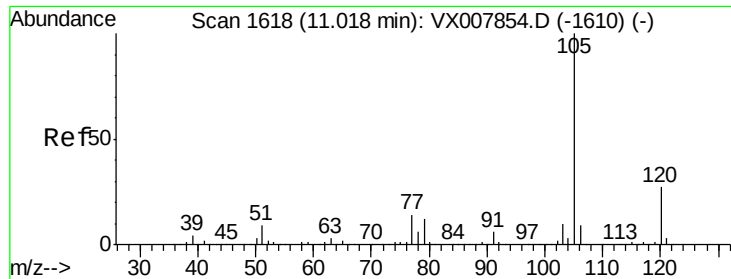
115 56.8 38.6 115.7

150 156.8 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: 5.171 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 66268

Ion Ratio Lower Upper

105 100

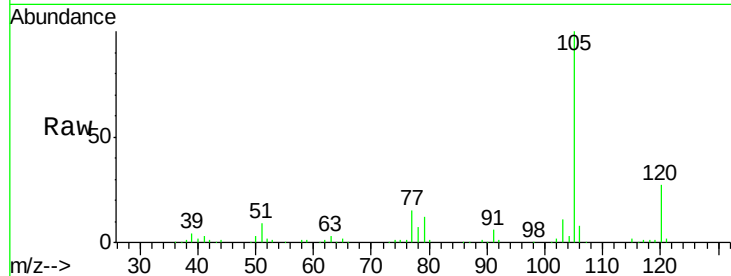
120 26.8 13.4 40.1

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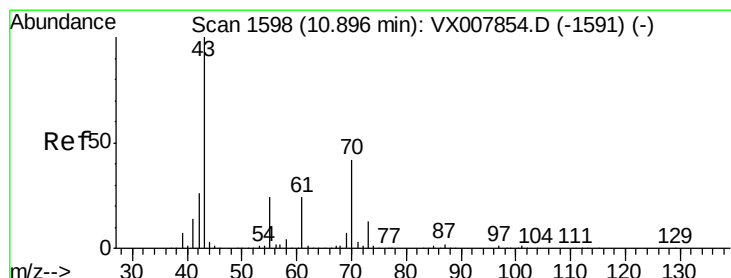
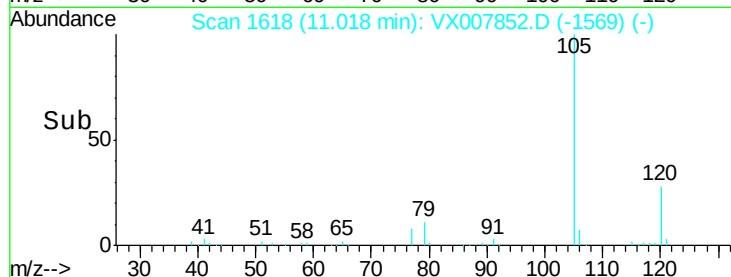
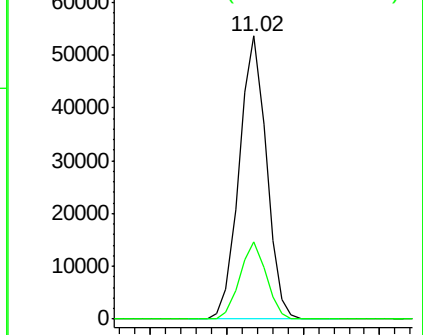
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.760 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Tgt Ion: 43 Resp: 27847

Ion Ratio Lower Upper

43 100

70 41.0 33.5 50.3

55 25.7 19.2 28.8

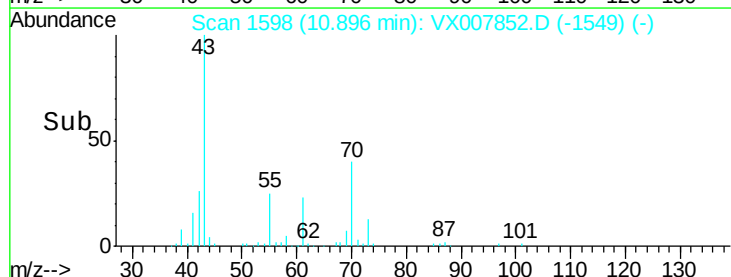
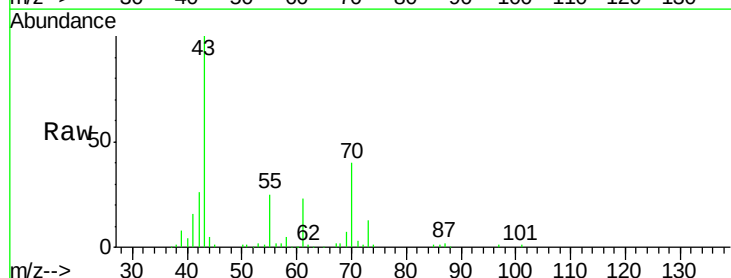
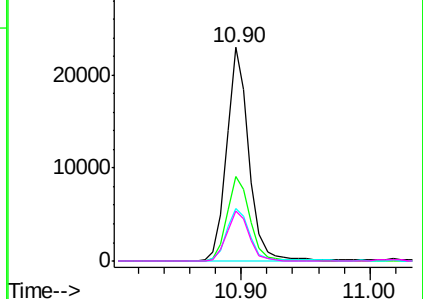
61 23.2 19.0 28.6

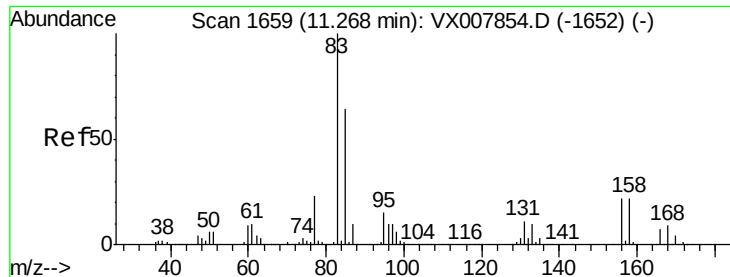
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.274 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Instrument :

MSVOA_X

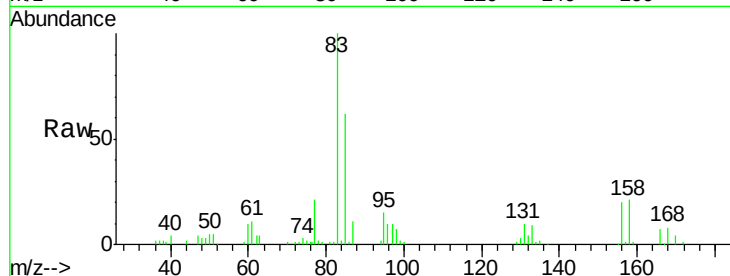
ClientSampled :

VSTDIC005

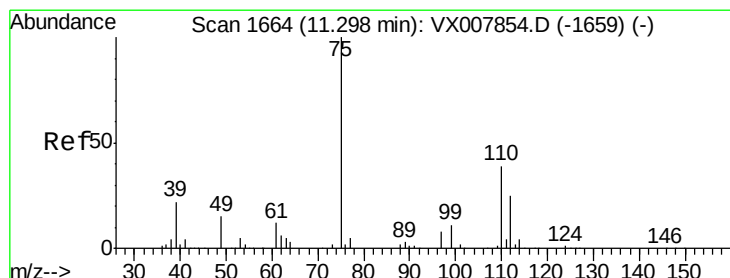
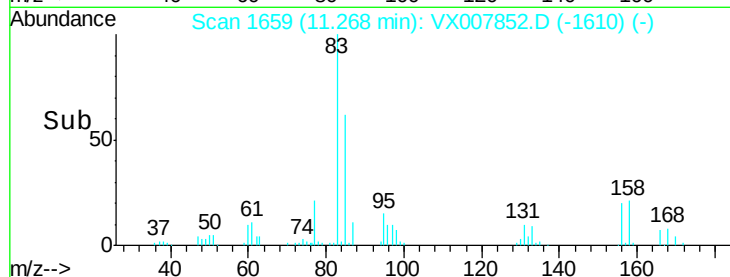
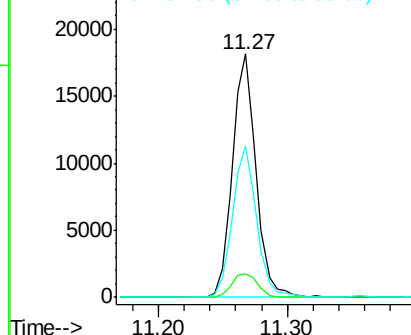
Tot Ion:	83	Resp:	23314
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.4	16.2
85	63.5	32.3	96.8

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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: 5.259 ug/l m

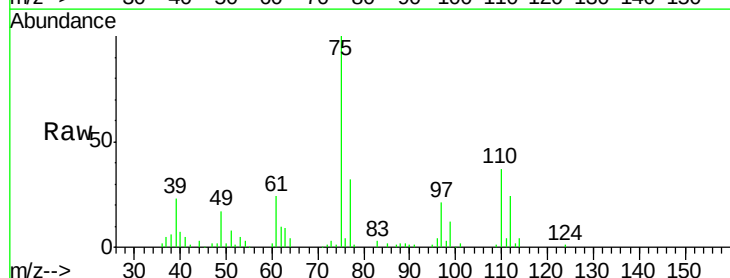
RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

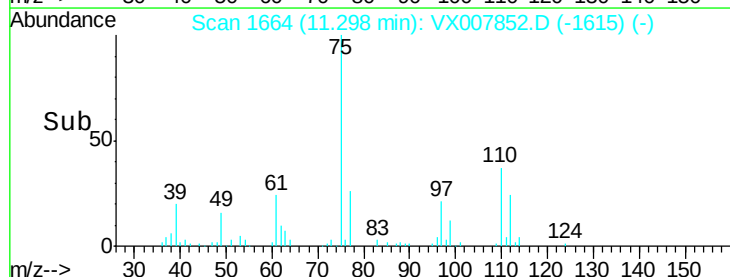
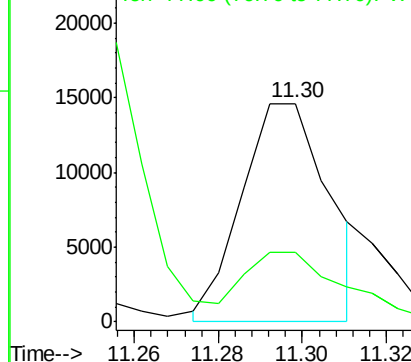
Lab File: VX007852.D

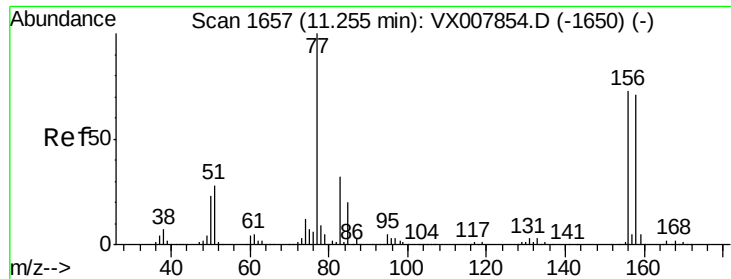
Acq: 06 Mar 2019 10:07

Tgt Ion:	75	Resp:	21086
Ion Ratio	Lower	Upper	
75	100		
77	37.0	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: 5.027 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Instrument :

MSVOA_X

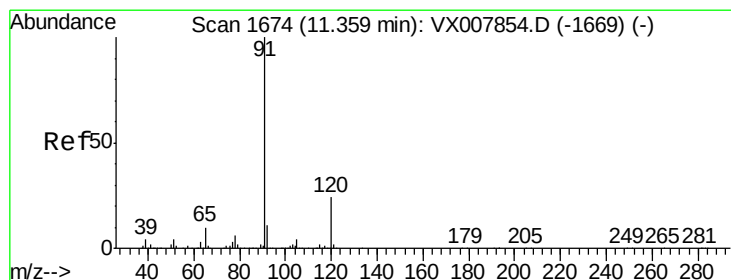
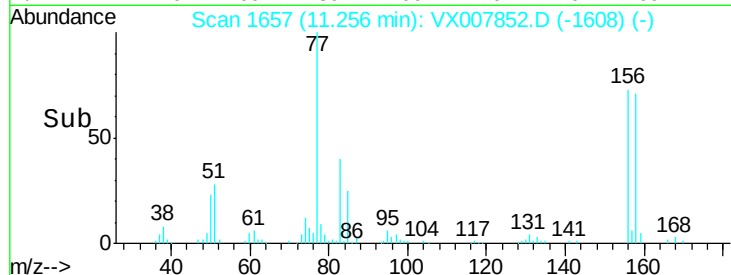
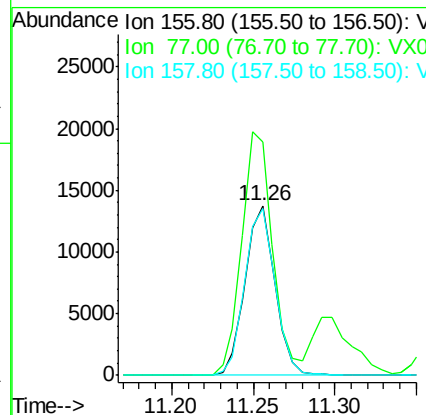
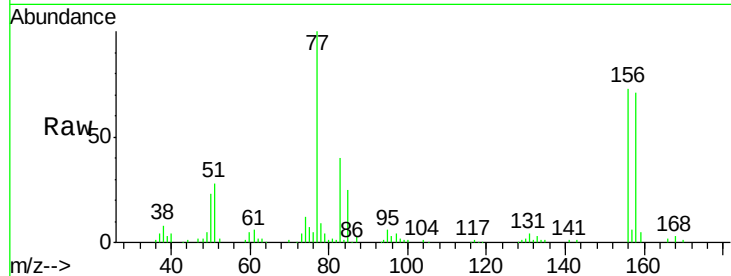
ClientSampled :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	148.4	72.0	215.9
158	99.8	48.6	145.9

Manual Integrations
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3/7/2019 10:34:46 AM



#78

n-propylbenzene

Concen: 4.930 ug/l

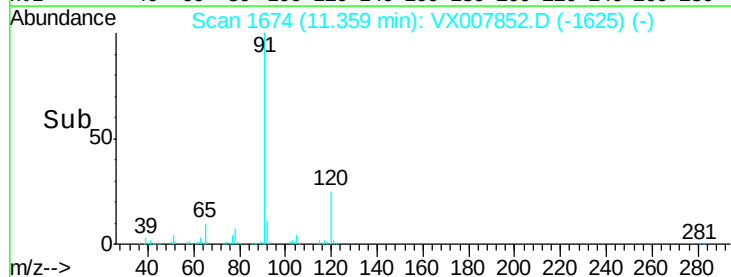
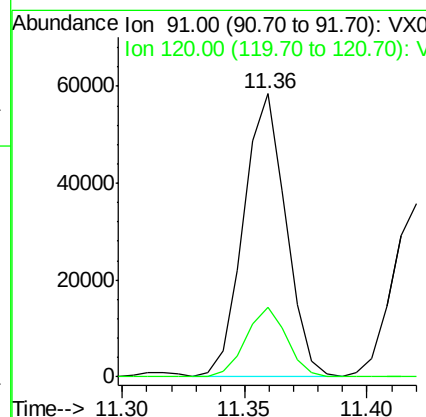
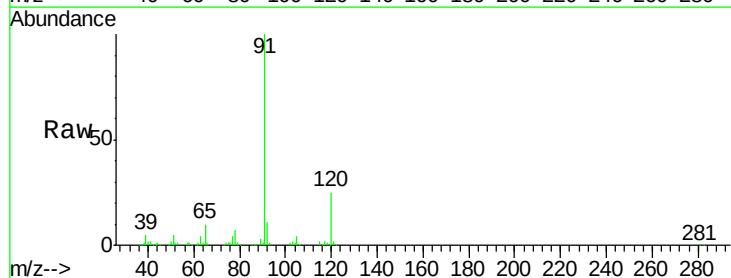
RT: 11.36 min Scan# 1674

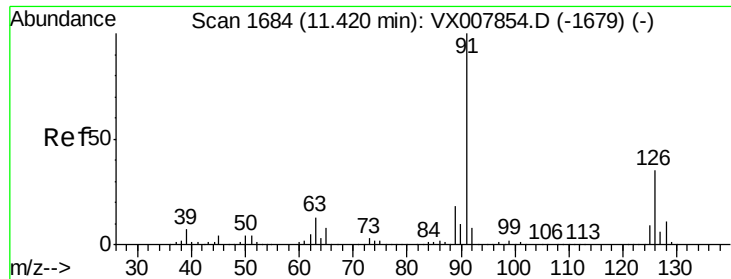
Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	12.0	36.0





#79

2-Chlorotoluene

Concen: 5.132 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 44609

Ion Ratio Lower Upper

91 100

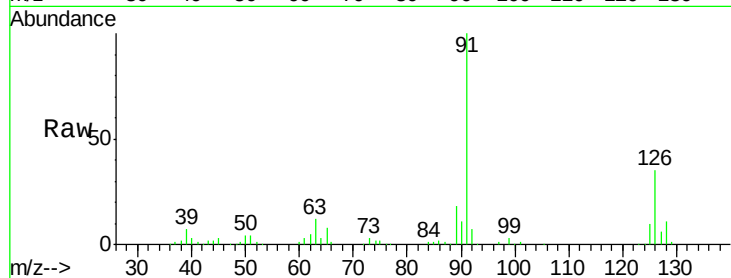
126 35.0 17.5 52.6

Manual Integrations

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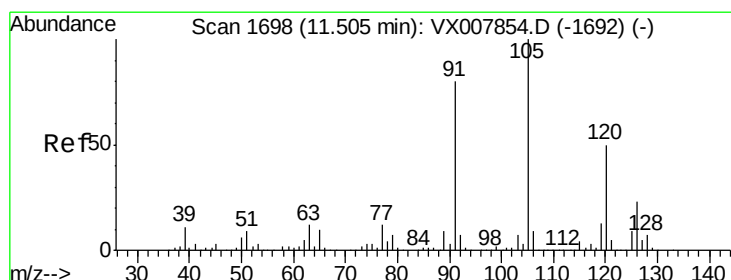
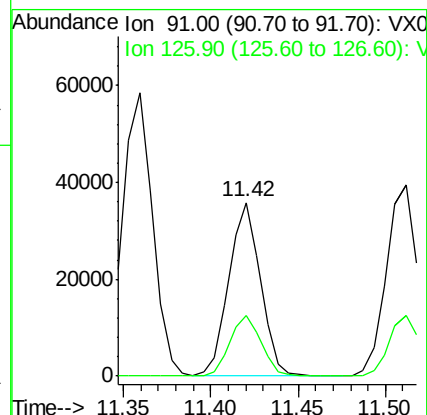
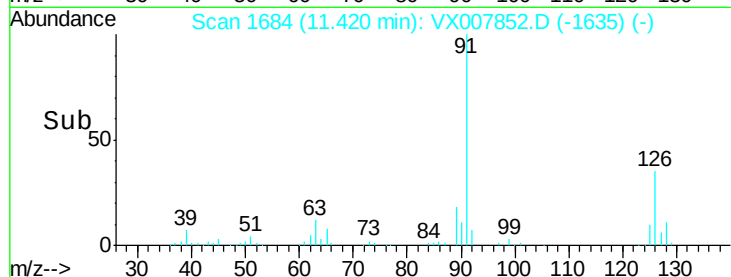
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Abundance Ion 91.00 (90.70 to 91.70): VX007854.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX007854.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.072 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007852.D

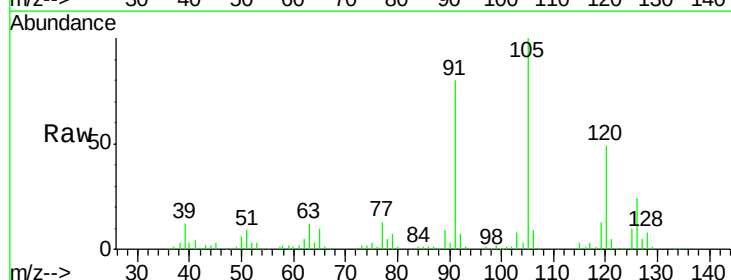
Acq: 06 Mar 2019 10:07

Tgt Ion: 105 Resp: 53501

Ion Ratio Lower Upper

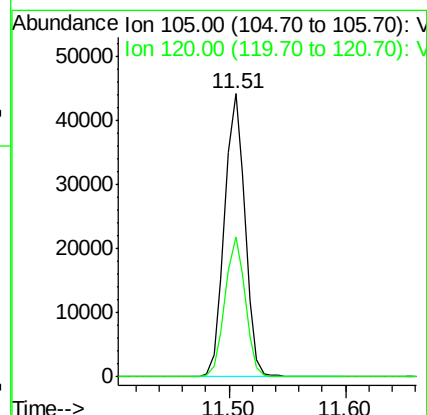
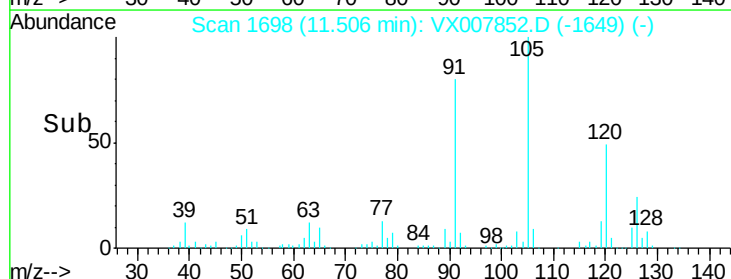
105 100

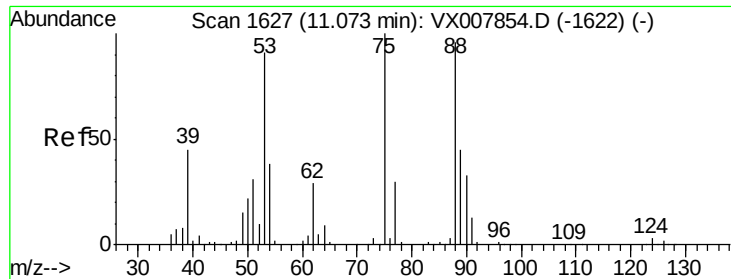
120 48.8 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VX007854.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX007854.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 4.364 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Instrument :

MSVOA_X

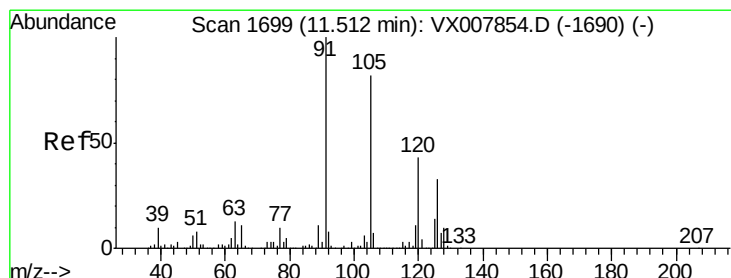
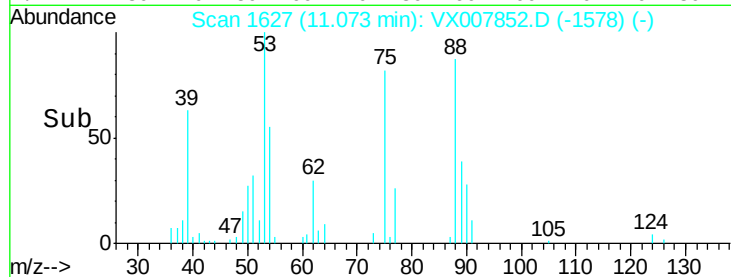
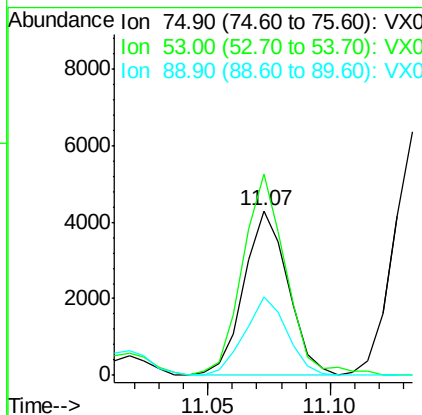
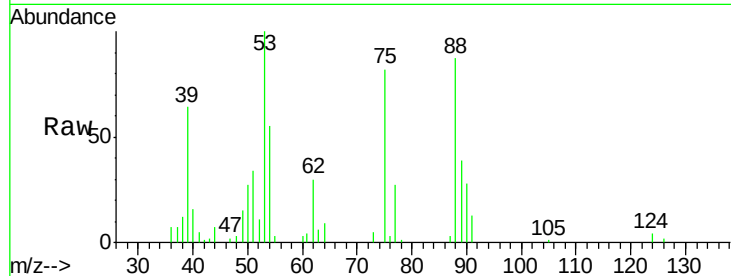
ClientSampled :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.9	76.1	114.1#
89	46.1	36.3	54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 4.967 ug/l

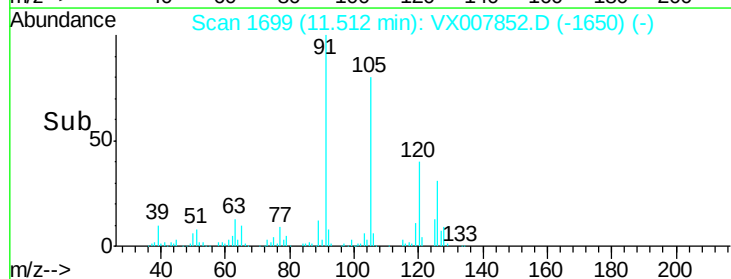
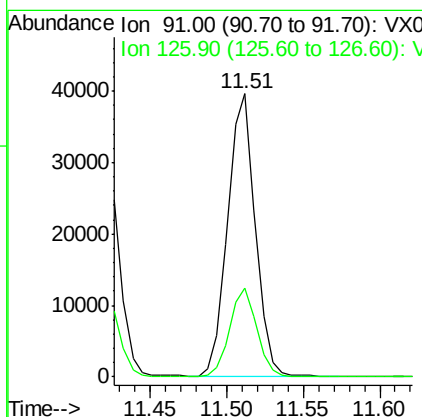
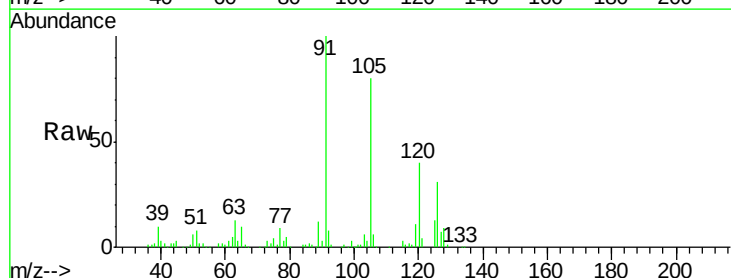
RT: 11.51 min Scan# 1699

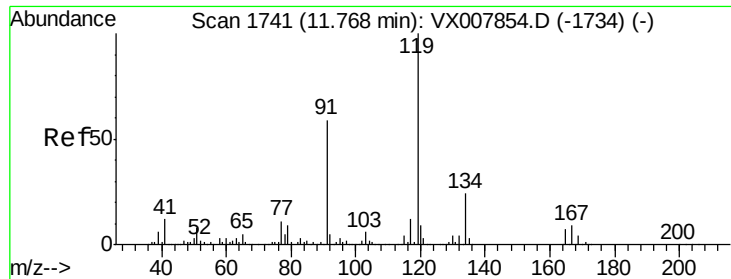
Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.6	46.8





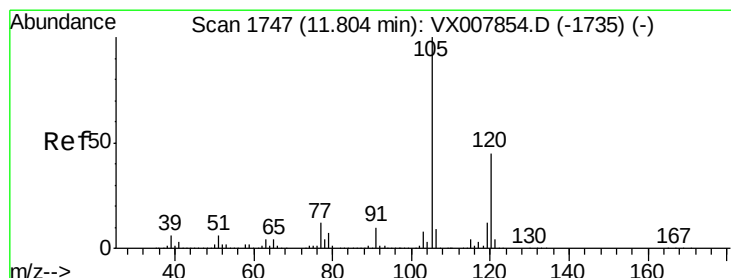
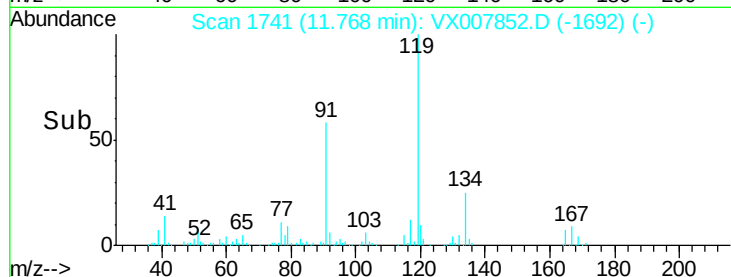
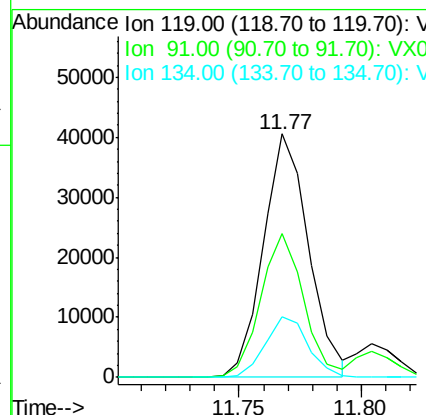
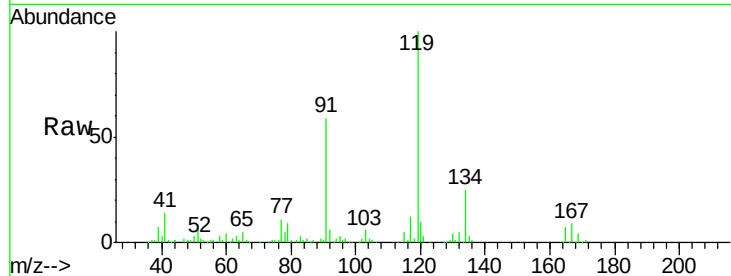
#83
 tert-Butylbenzene
 Concen: 4.941 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX007852.D
 Acq: 06 Mar 2019 10:07

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.2	27.1	81.3
134	23.7	11.4	34.1

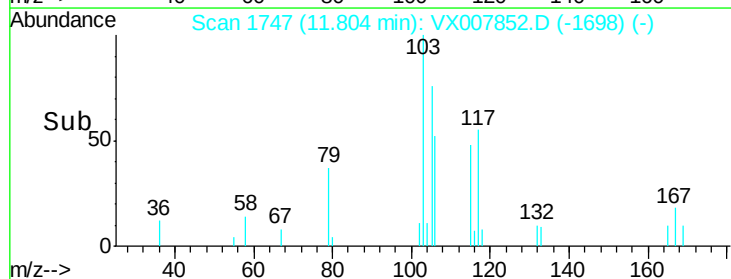
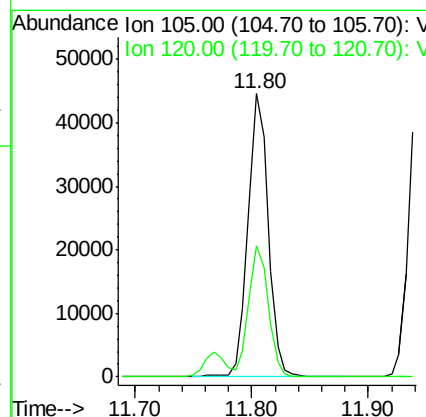
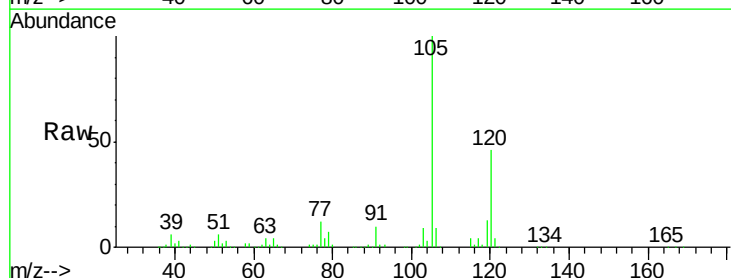
Manual Integrations
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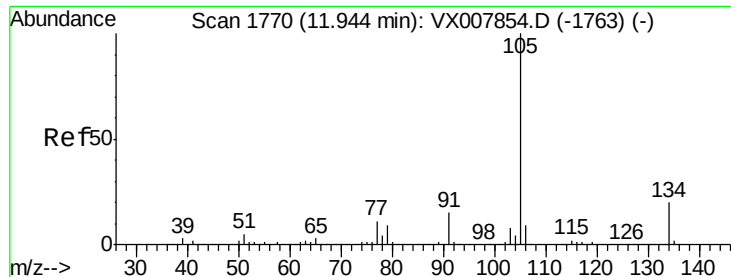
MMDadoda
 3/7/2019 10:34:46 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 5.063 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007852.D
 Acq: 06 Mar 2019 10:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.6	67.7





#85

sec-Butylbenzene

Concen: 4.984 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 62365

Ion Ratio Lower Upper

105 100

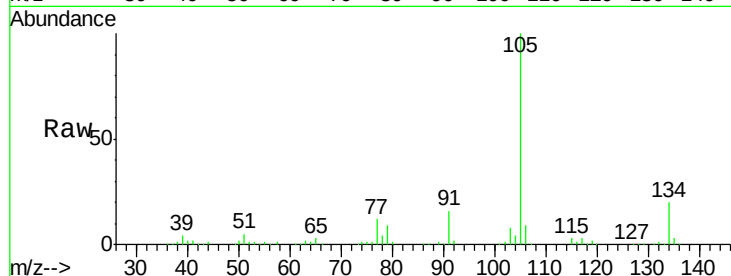
134 20.5 10.4 31.2

Manual Integrations

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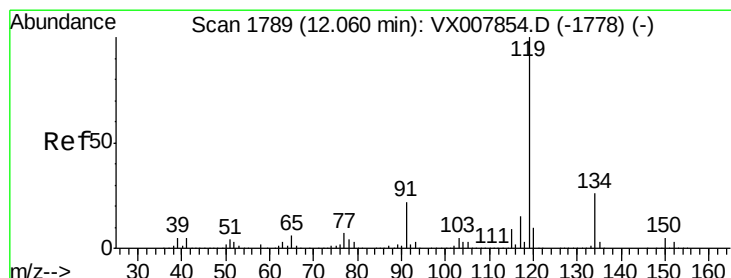
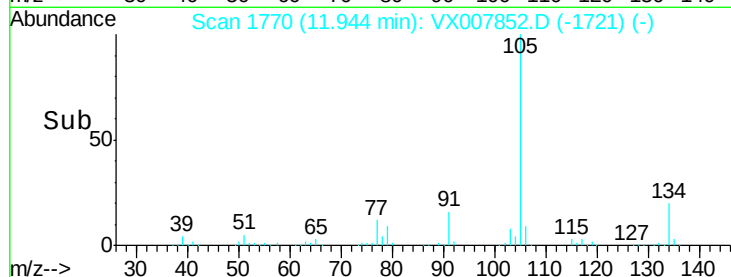
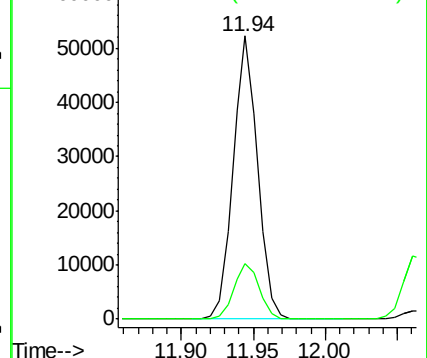
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.953 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

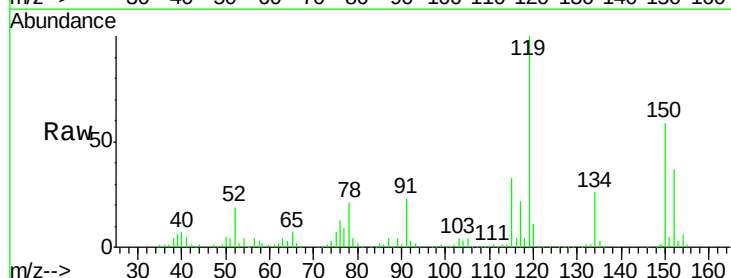
Tgt Ion:119 Resp: 55502

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.9

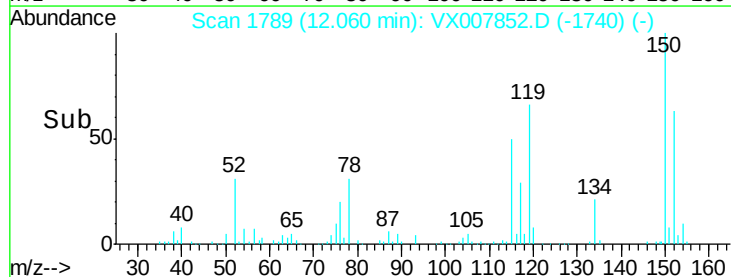
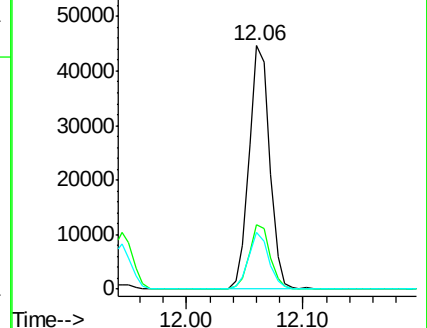
91 23.4 10.9 32.7

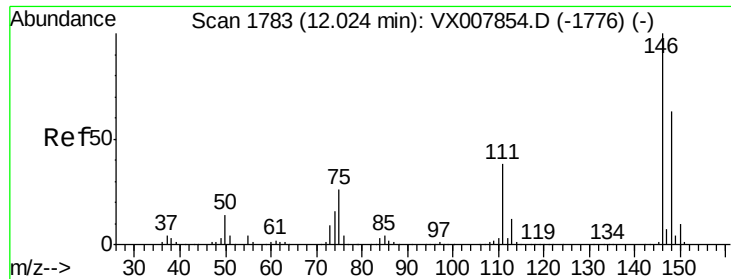


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





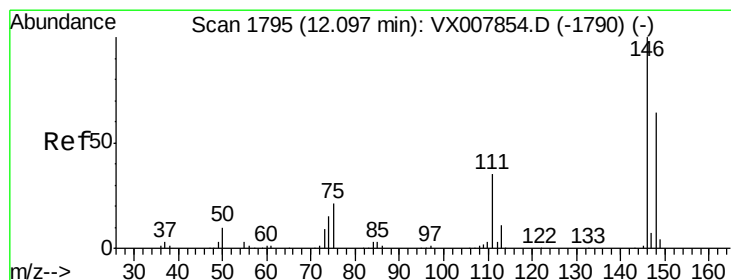
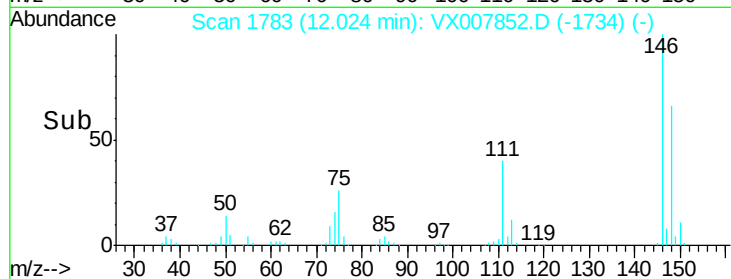
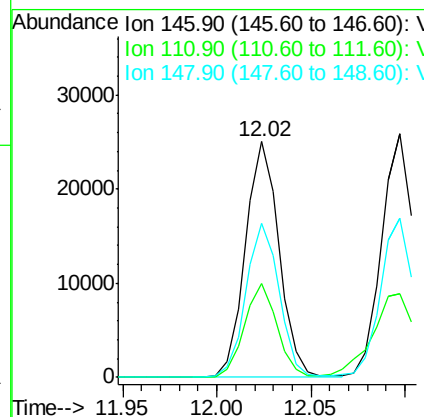
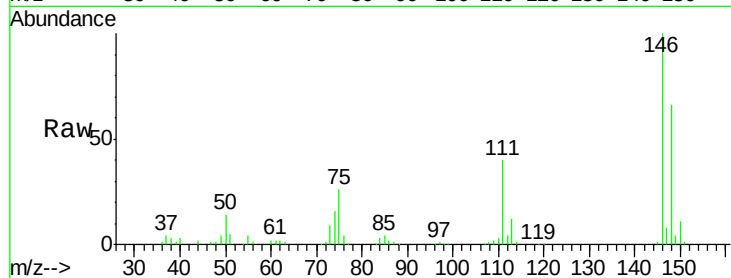
#87
 1,3-Dichlorobenzene
 Concen: 5.006 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007852.D
 Acq: 06 Mar 2019 10:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.9	56.7
148	64.5	31.7	95.1

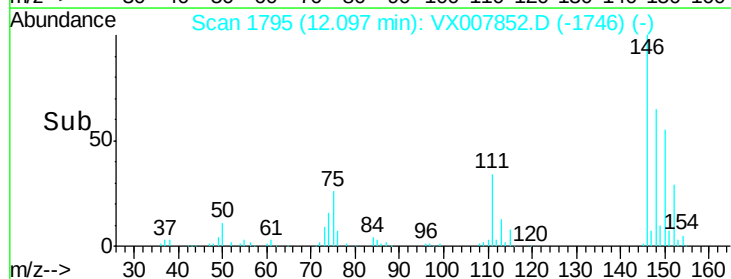
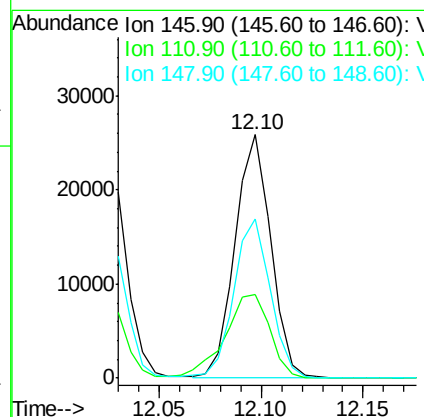
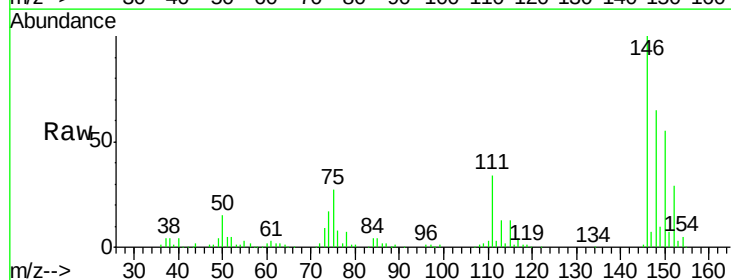
Manual Integrations
 APPROVED

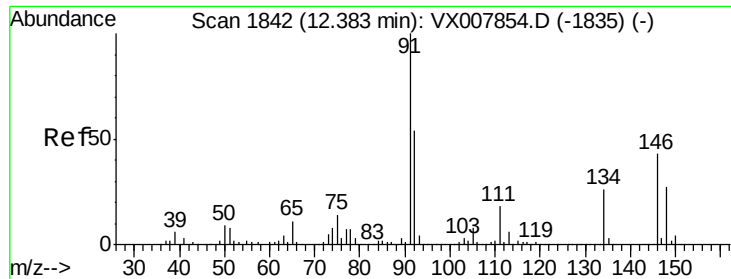
MMDadoda
 3/7/2019 10:34:46 AM



#88
 1,4-Dichlorobenzene
 Concen: 4.930 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007852.D
 Acq: 06 Mar 2019 10:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	18.4	55.0
148	67.1	32.2	96.6





#89

n-Butylbenzene

Concen: 4.647 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Instrument :

MSVOA_X

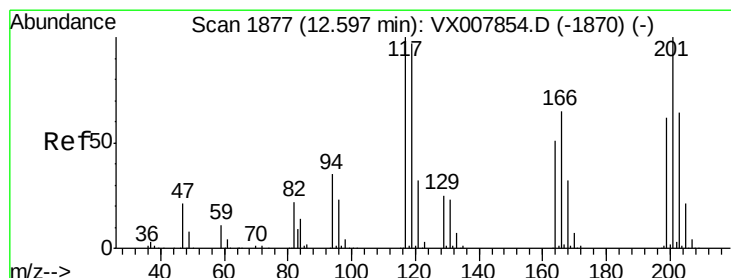
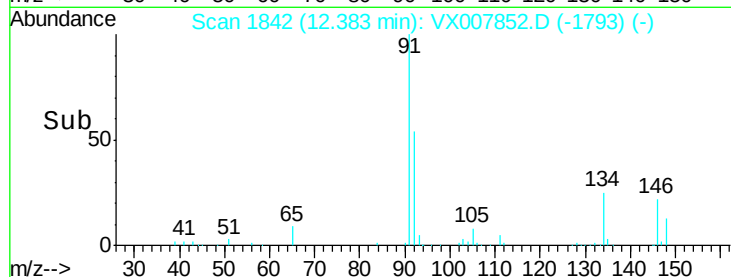
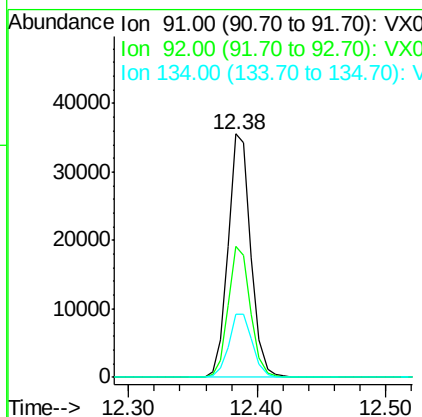
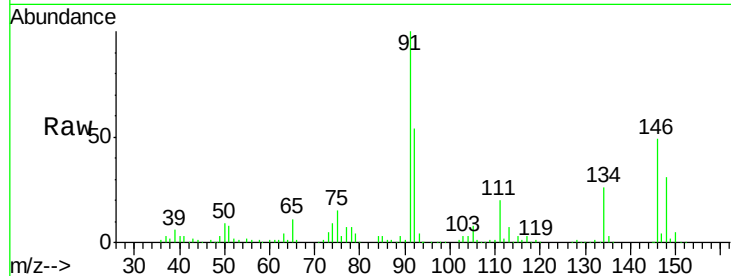
ClientSampled :

VSTDIC005

Tot Ion:	91	Resp:	44119
Ion	Ratio	Lower	Upper
91	100		
92	52.8	27.0	80.8
134	27.1	13.7	41.0

Manual Integrations
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#90

Hexachloroethane

Concen: 4.868 ug/l

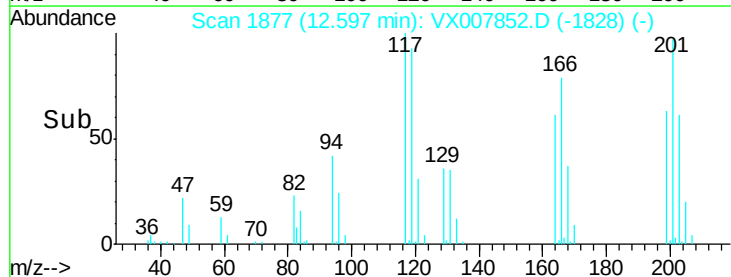
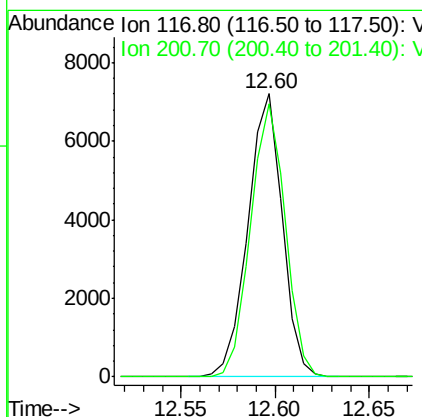
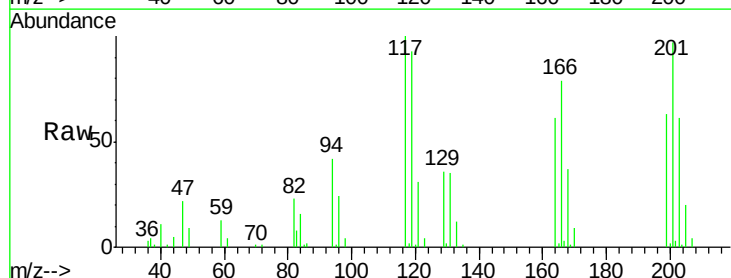
RT: 12.60 min Scan# 1877

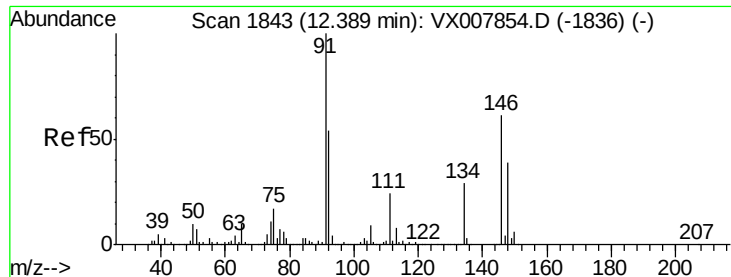
Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Tgt Ion:	117	Resp:	9121
Ion	Ratio	Lower	Upper
117	100		
201	97.2	48.9	146.7





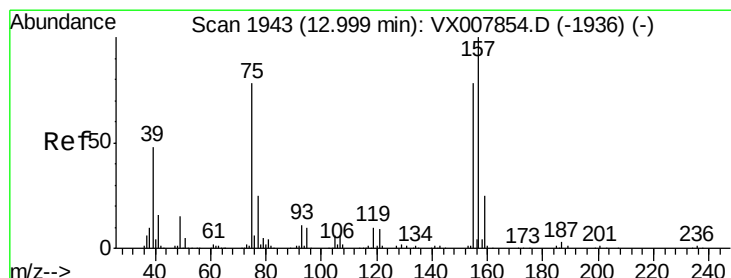
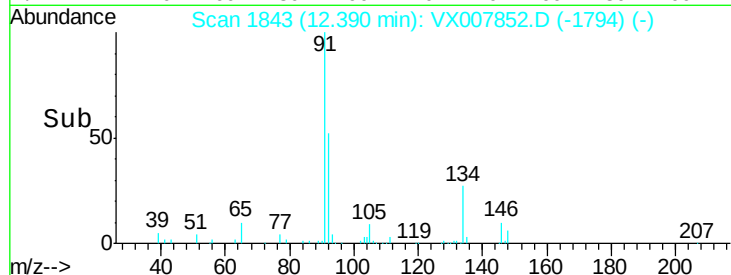
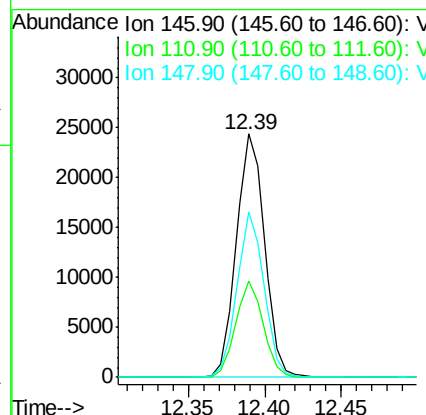
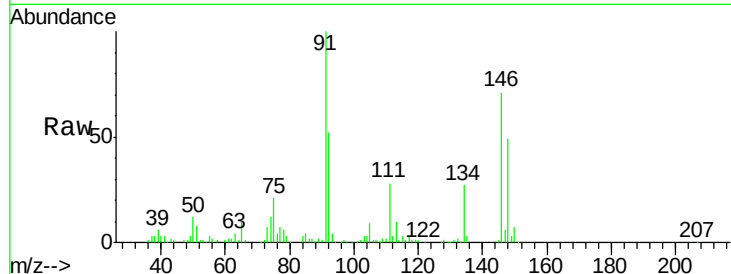
#91
 1,2-Dichlorobenzene
 Concen: 5.044 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007852.D
 Acq: 06 Mar 2019 10:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.6	58.8
148	65.3	31.9	95.5

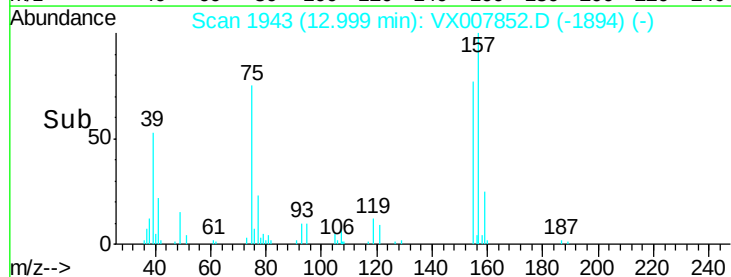
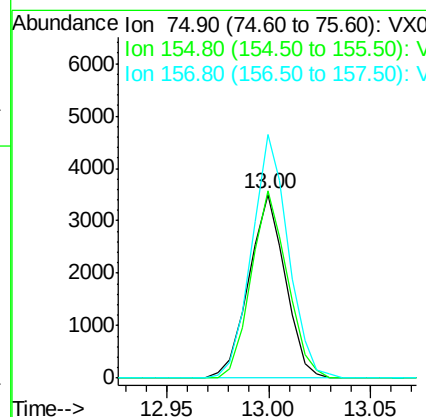
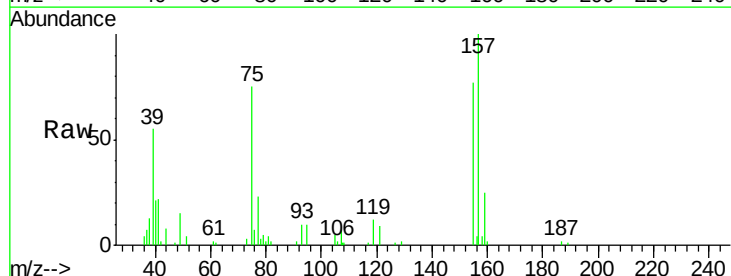
Manual Integrations
 APPROVED

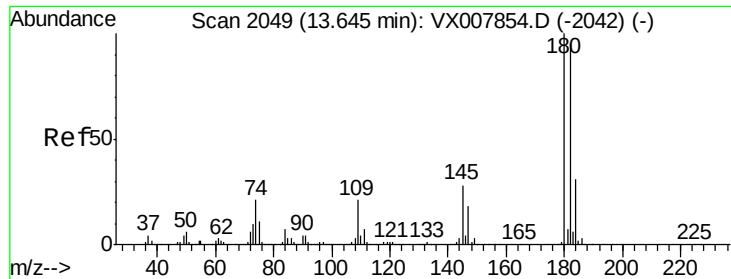
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.691 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007852.D
 Acq: 06 Mar 2019 10:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.7	49.7	149.1
157	134.1	63.8	191.4





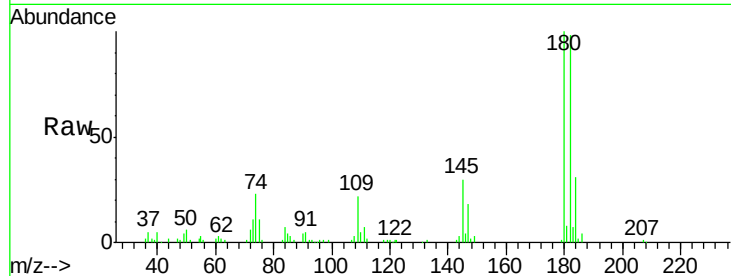
#93
 1,2,4-Trichlorobenzene
 Concen: 4.486 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007852.D
 Acq: 06 Mar 2019 10:07

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

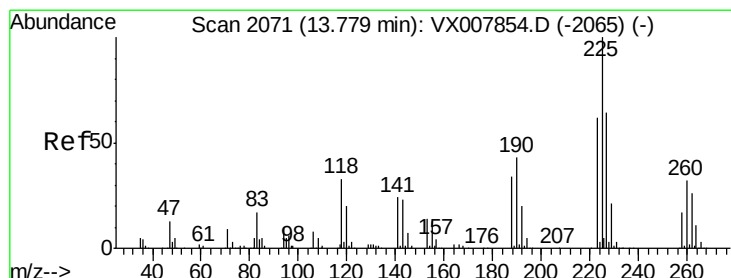
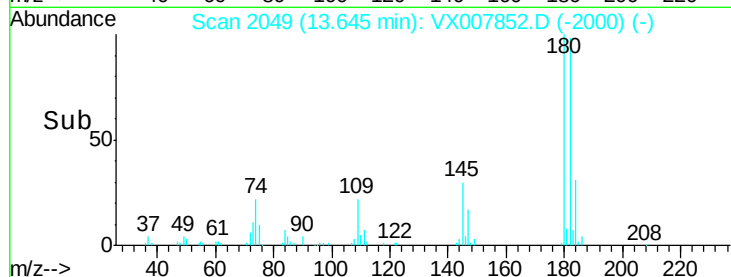
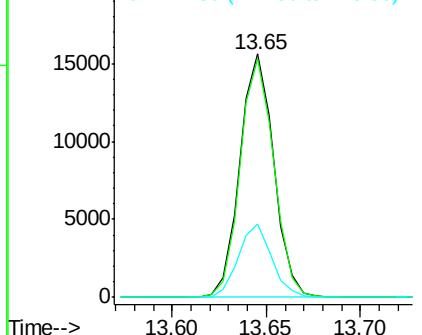
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.9	143.7
145	29.7	14.1	42.4

Manual Integrations
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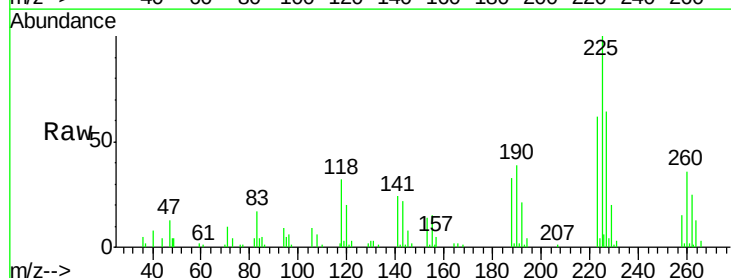


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

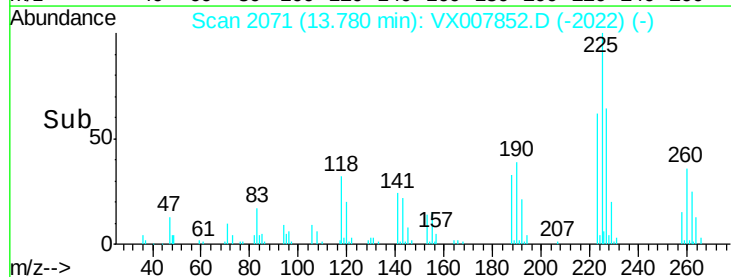
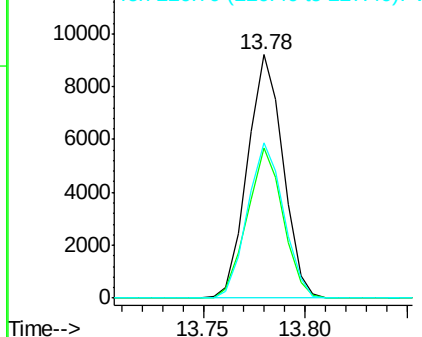


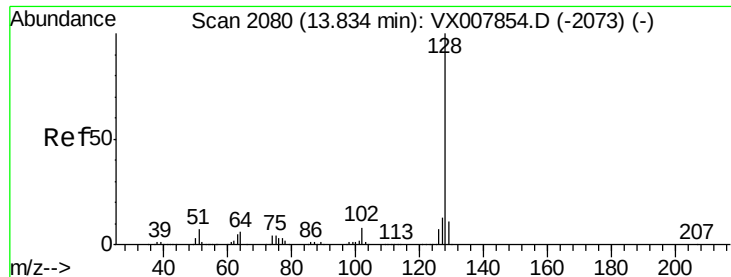
#94
 Hexachlorobutadiene
 Concen: 4.920 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007852.D
 Acq: 06 Mar 2019 10:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.1	93.2
227	64.7	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: 4.485 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Instrument :

MSVOA_X

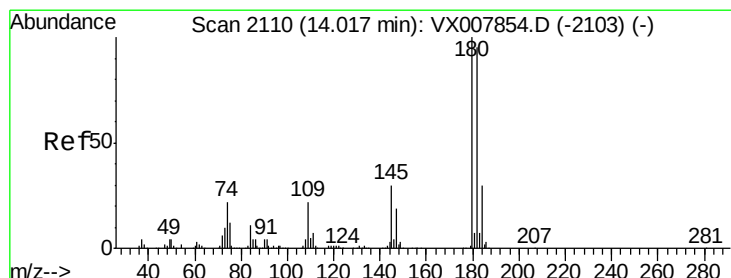
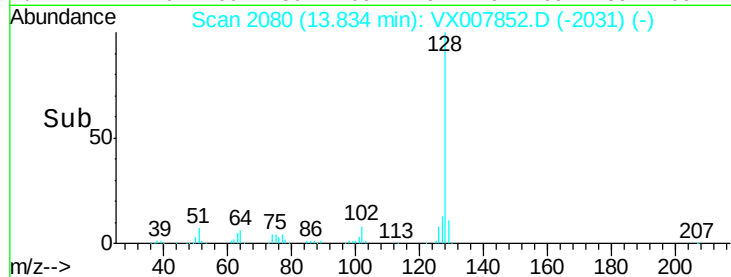
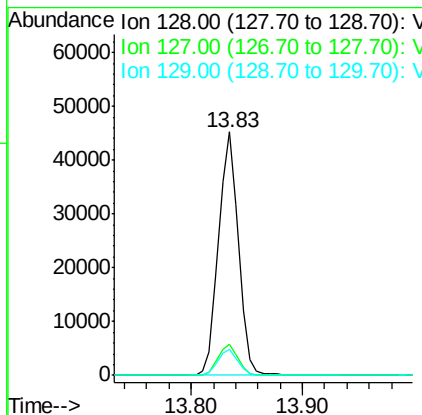
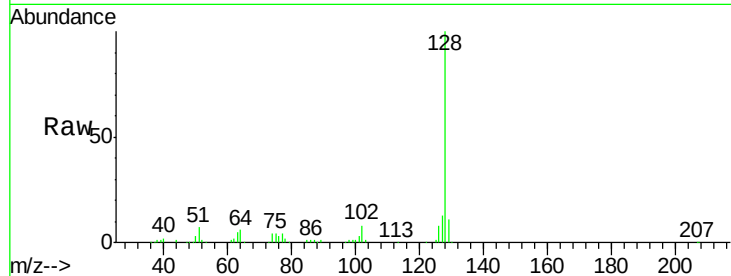
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	56052
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:34:46 AM



#96

1,2,3-Trichlorobenzene

Concen: 4.753 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007852.D

Acq: 06 Mar 2019 10:07

Tgt Ion:	180	Resp:	20540
Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.5	142.5
145	29.9	14.8	44.3

