

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX031119\
 Data File : VX007988.D
 Acq On : 11 Mar 2019 23:23
 Operator : JC/SP
 Sample : K1841-02MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-20190308MS

Manual Integrations
 APPROVED

MMDadoda
 3/12/2019 2:20:48 PM

Quant Time: Mar 12 09:25:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	238072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	349565	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	306463	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	155654	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	122791	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
35) Dibromofluoromethane	5.50	113	110714	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
50) Toluene-d8	8.71	98	408125	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
62) 4-Bromofluorobenzene	11.13	95	145395	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	95289	46.849	ug/l	99
3) Chloromethane	1.33	50	119819	45.712	ug/l	99
4) Vinyl Chloride	1.41	62	124987	47.990	ug/l	100
5) Bromomethane	1.64	94	60921	49.841	ug/l	100
6) Chloroethane	1.72	64	76864	44.425	ug/l	98
7) Trichlorofluoromethane	1.93	101	165794	48.893	ug/l	98
8) Diethyl Ether	2.19	74	72100	49.102	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	123723	58.878	ug/l	99
10) Methyl Iodide	2.51	142	157590	52.863	ug/l	99
11) Tert butyl alcohol	3.07	59	137346	244.544	ug/l	100
12) 1,1-Dichloroethene	2.37	96	108937	53.782	ug/l	99
13) Acrolein	2.30	56	83932	263.986	ug/l	99
14) Allyl chloride	2.73	41	196009	46.051	ug/l	99
15) Acrylonitrile	3.15	53	335230	236.471	ug/l	99
16) Acetone	2.45	43	276388	190.136	ug/l	98
17) Carbon Disulfide	2.57	76	292579	47.544	ug/l	100
18) Methyl Acetate	2.78	43	136196	44.102	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	346903	49.783	ug/l	100
20) Methylene Chloride	2.86	84	111856	48.350	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	107605	48.280	ug/l	99
22) Diisopropyl ether	3.87	45	367044	47.043	ug/l	96
23) Vinyl Acetate	3.82	43	1363928	199.347	ug/l	99
24) 1,1-Dichloroethane	3.70	63	206385	49.154	ug/l	99
25) 2-Butanone	4.70	43	457022	222.074	ug/l	99
26) 2,2-Dichloropropane	4.59	77	112695	40.513	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	133351	52.287	ug/l	96
28) Bromochloromethane	5.02	49	99056	50.604	ug/l	97
29) Tetrahydrofuran	5.15	42	309923	241.431	ug/l	99
30) Chloroform	5.21	83	201878	50.828	ug/l	99
31) Cyclohexane	5.57	56	183069	47.440	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	165039	50.082	ug/l	99
36) 1,1-Dichloropropene	5.80	75	150386	47.512	ug/l	99
37) Ethyl Acetate	4.85	43	149957	39.923	ug/l	99
38) Carbon Tetrachloride	5.78	117	150230	49.994	ug/l	98

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	180092	46.955	ug/l	100
40) Benzene	6.14	78	458250	48.631	ug/l	100
41) Methacrylonitrile	5.06	41	97327	47.526	ug/l	98
42) 1,2-Dichloroethane	6.20	62	148358	48.142	ug/l	100
43) Isopropyl Acetate	6.46	43	245106	44.092	ug/l	99
44) Trichloroethene	7.23	130	8856258	3410.413	ug/l	98
45) 1,2-Dichloropropane	7.52	63	118382	47.566	ug/l	99
46) Dibromomethane	7.66	93	76723	48.711	ug/l	99
47) Bromodichloromethane	7.90	83	144916	48.528	ug/l	99
48) Methyl methacrylate	7.77	41	138030	47.227	ug/l	98
49) 1,4-Dioxane	7.75	88	58792	979.236	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	856866	239.682	ug/l	99
52) Toluene	8.78	92	281300	48.896	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	156456	50.197	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	171429	48.706	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	120505	51.744	ug/l	98
56) Ethyl methacrylate	9.18	69	174678	49.955	ug/l	98
57) 1,3-Dichloropropane	9.37	76	191849	49.062	ug/l	100
59) 2-Hexanone	9.49	43	641626	231.169	ug/l	99
60) Dibromochloromethane	9.58	129	122791	50.443	ug/l	100
61) 1,2-Dibromoethane	9.67	107	122748	49.643	ug/l	100
64) Tetrachloroethene	9.34	164	130791	51.500	ug/l	99
65) Chlorobenzene	10.14	112	310593	48.432	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	116044	50.489	ug/l	99
67) Ethyl Benzene	10.25	91	518867	49.152	ug/l	100
68) m/p-Xylenes	10.36	106	403487	99.162	ug/l	100
69) o-Xylene	10.70	106	195557	49.781	ug/l	98
70) Styrene	10.71	104	323897	50.386	ug/l	100
71) Bromoform	10.85	173	97560	49.427	ug/l #	99
73) Isopropylbenzene	11.02	105	522766	49.659	ug/l	100
74) N-amyl acetate	10.90	43	190210	39.578	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	168715	46.463	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	160929m	49.270	ug/l	
77) Bromobenzene	11.26	156	139182	48.224	ug/l	98
78) n-propylbenzene	11.36	91	575607	49.287	ug/l	100
79) 2-Chlorotoluene	11.42	91	344108	48.190	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	427070	49.290	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	47976	46.951	ug/l	100
82) 4-Chlorotoluene	11.51	91	393505	48.088	ug/l	99
83) tert-Butylbenzene	11.77	119	426207	48.834	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	442947	49.870	ug/l	100
85) sec-Butylbenzene	11.94	105	508913	49.510	ug/l	99
86) p-Isopropyltoluene	12.06	119	458605	49.818	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	244851	47.953	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	245206	46.893	ug/l	100
89) n-Butylbenzene	12.38	91	378482	48.529	ug/l	99
90) Hexachloroethane	12.60	117	74654	48.504	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	243585	48.021	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35227	46.419	ug/l	95
93) 1,2,4-Trichlorobenzene	13.65	180	170597	47.875	ug/l	99

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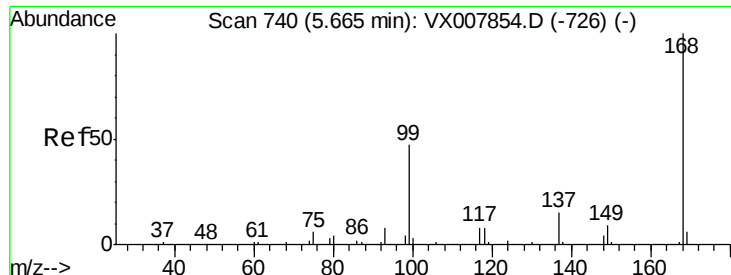
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Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	88532	47.521	ug/l	100
95) Naphthalene	13.83	128	508443	49.520	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	170772	48.108	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: VX007988.D

Acq: 11 Mar 2019 23:23

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20190308MS

Tgt Ion: 168 Resp: 238072

Ion Ratio Lower Upper

168 100

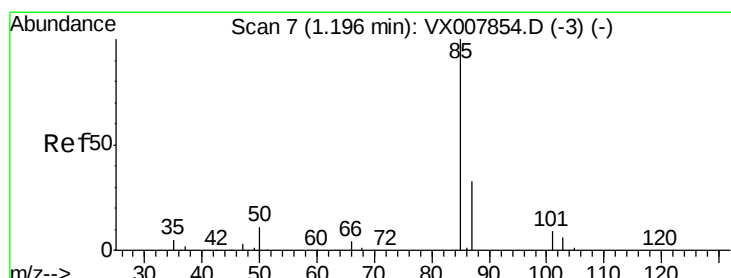
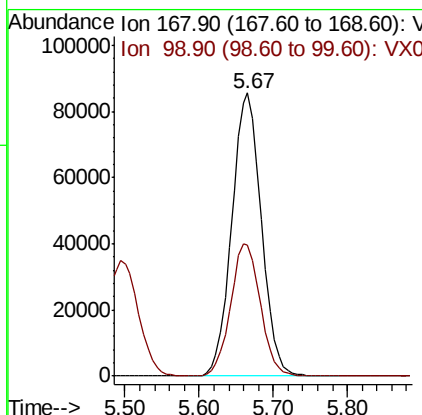
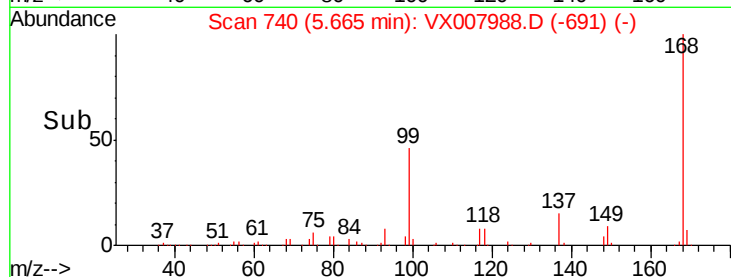
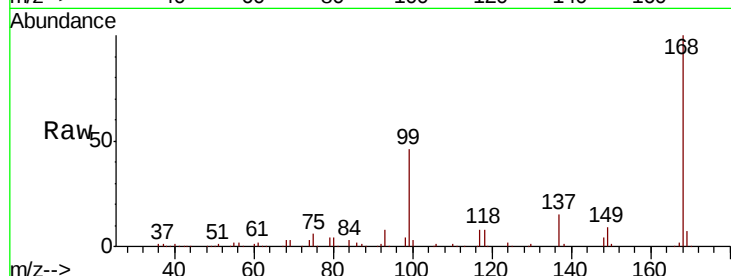
99 46.4 37.6 56.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 46.849 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007988.D

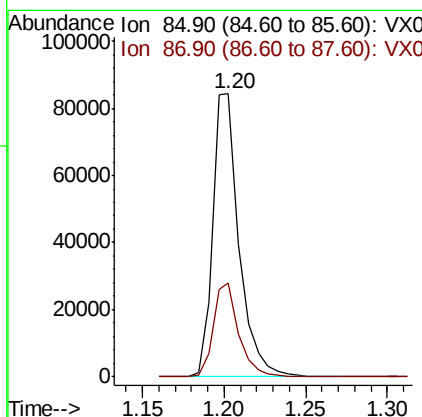
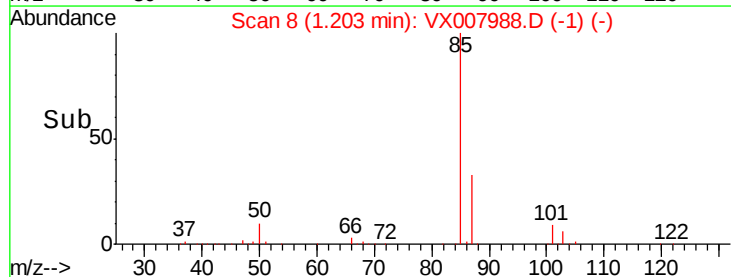
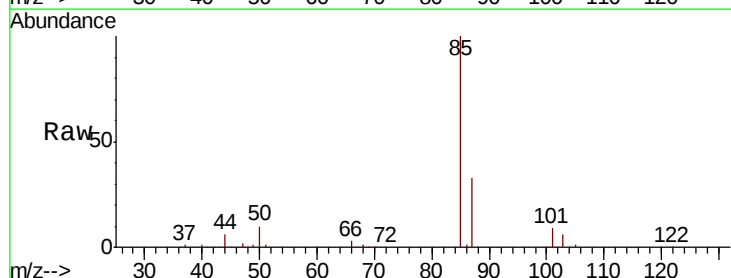
Acq: 11 Mar 2019 23:23

Tgt Ion: 85 Resp: 95289

Ion Ratio Lower Upper

85 100

87 33.3 16.4 49.1





#3

Chloromethane

Concen: 45.712 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20190308MS

Tgt Ion: 50 Resp: 119819

Ion Ratio Lower Upper

50 100

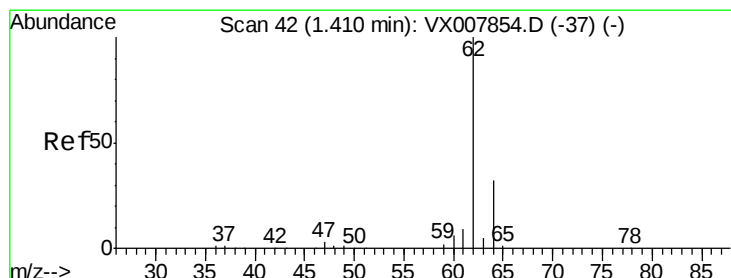
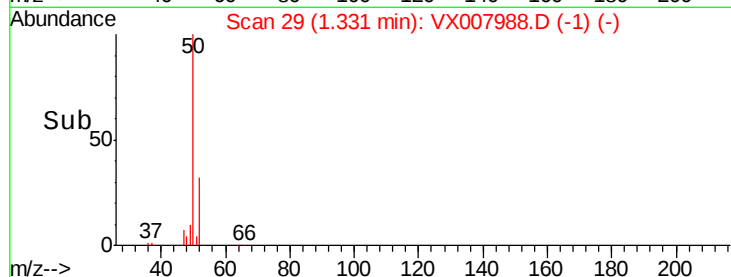
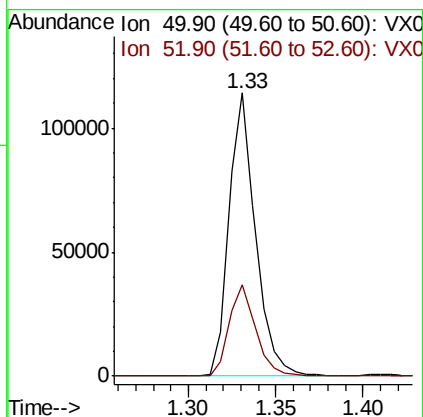
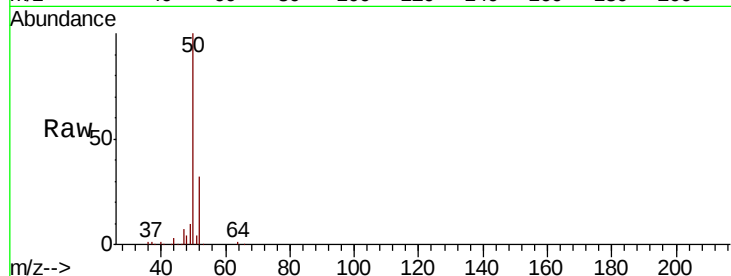
52 32.5 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.990 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007988.D

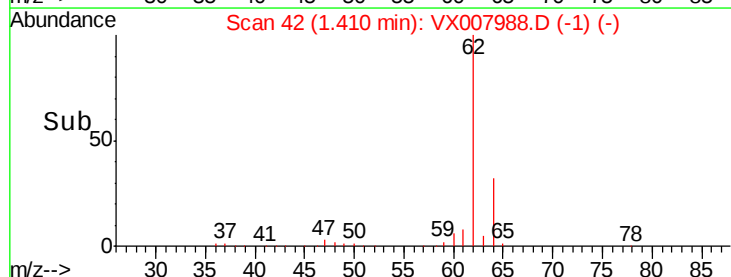
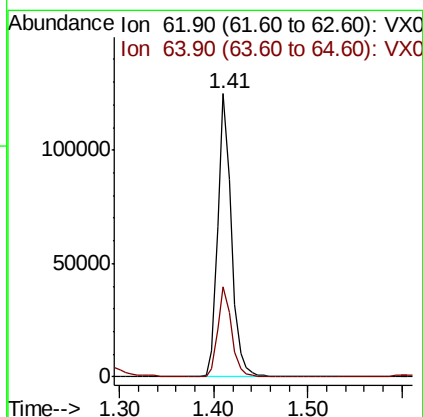
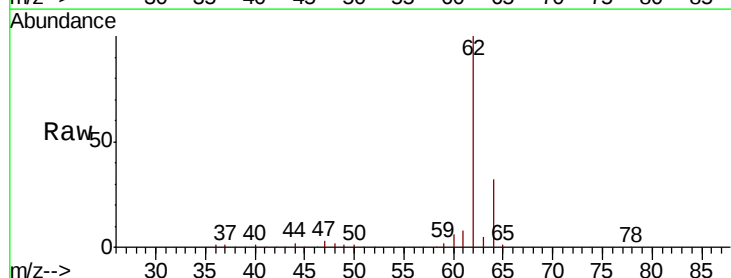
Acq: 11 Mar 2019 23:23

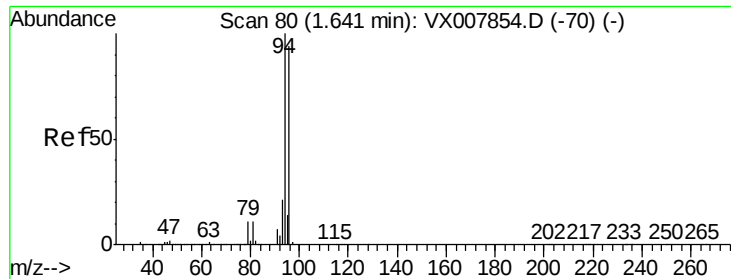
Tgt Ion: 62 Resp: 124987

Ion Ratio Lower Upper

62 100

64 31.7 25.3 37.9





#5

Bromomethane

Concen: 49.841 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Instrument :

MSVOA_X

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RE122D2-20190308MS

Tgt Ion: 94 Resp: 60921

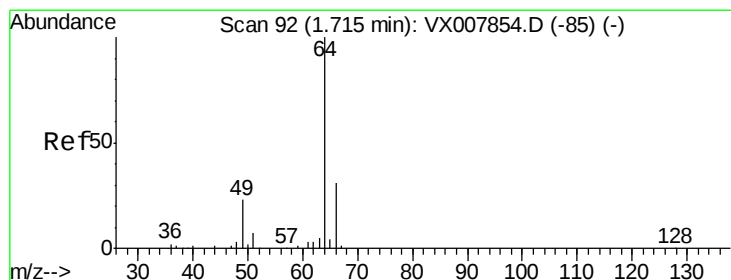
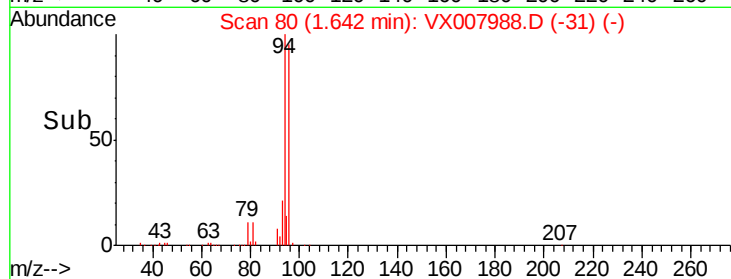
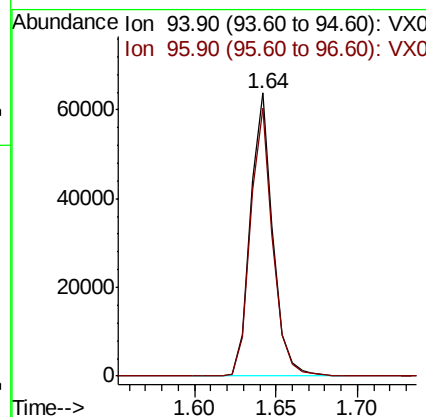
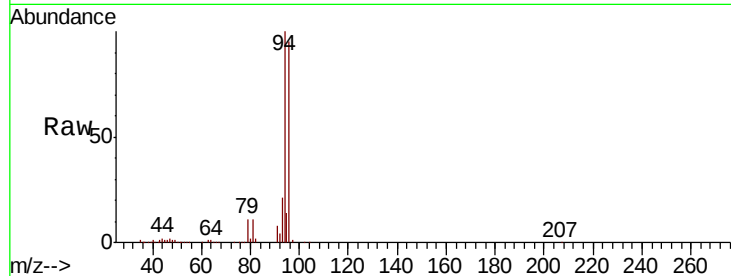
Ion Ratio Lower Upper

94 100

96 94.6 75.5 113.3

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#6

Chloroethane

Concen: 44.425 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX007988.D

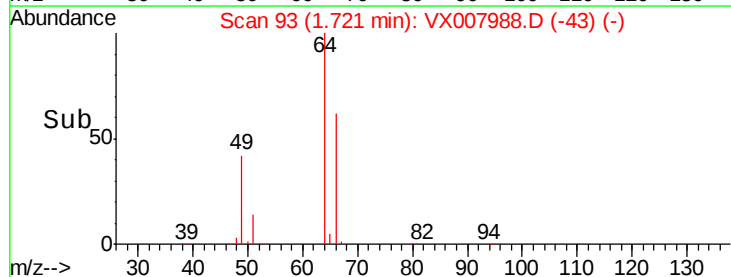
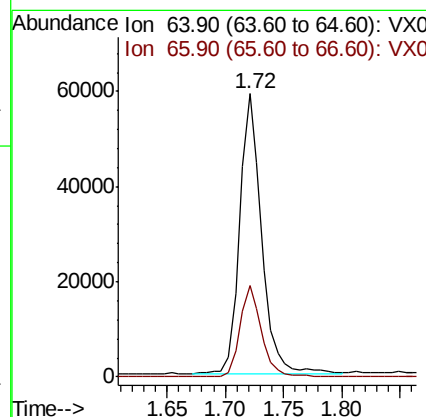
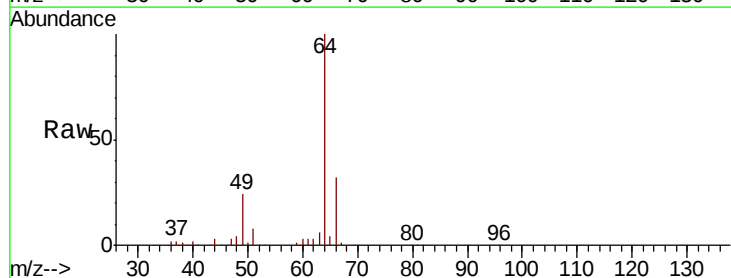
Acq: 11 Mar 2019 23:23

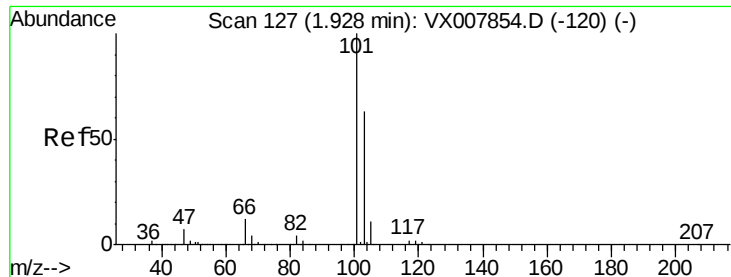
Tgt Ion: 64 Resp: 76864

Ion Ratio Lower Upper

64 100

66 32.5 25.2 37.8





#7

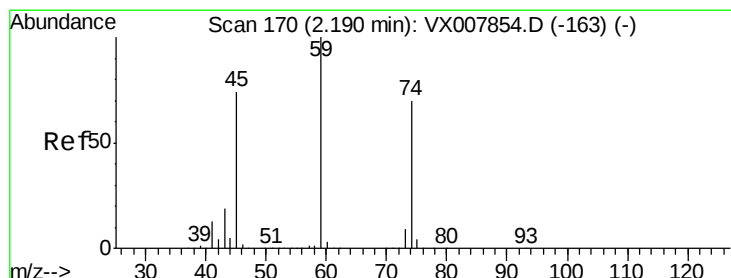
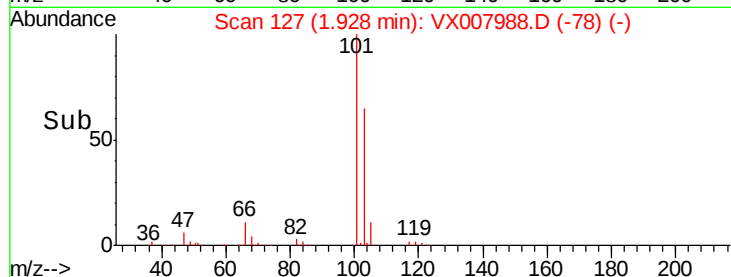
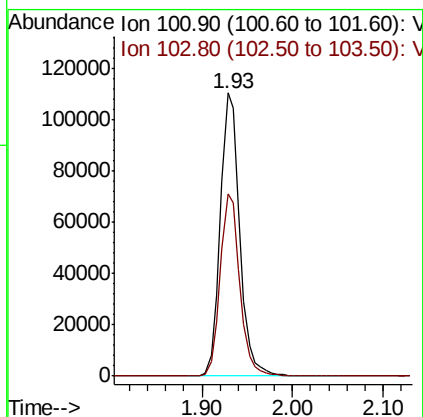
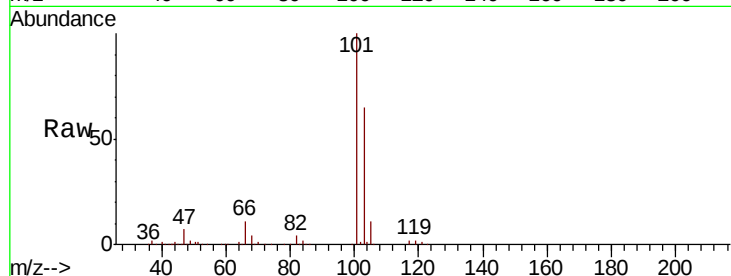
Trichlorofluoromethane
 Concen: 48.893 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX007988.D
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 RE122D2-20190308MS

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.5	50.4	75.6

Manual Integrations
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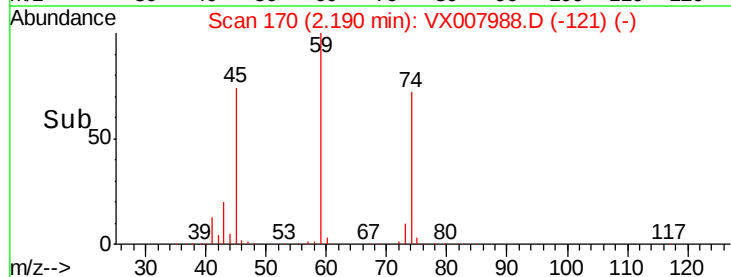
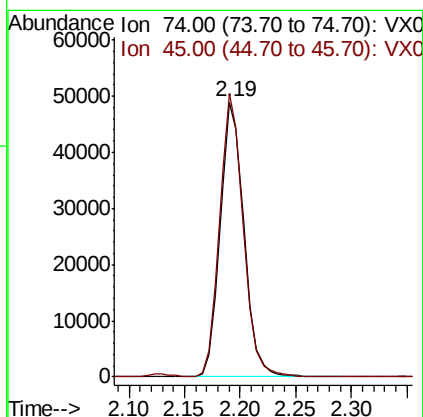
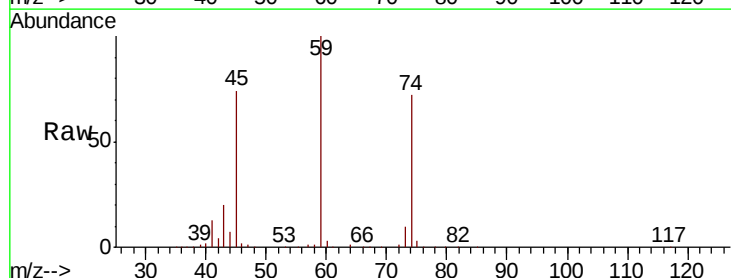
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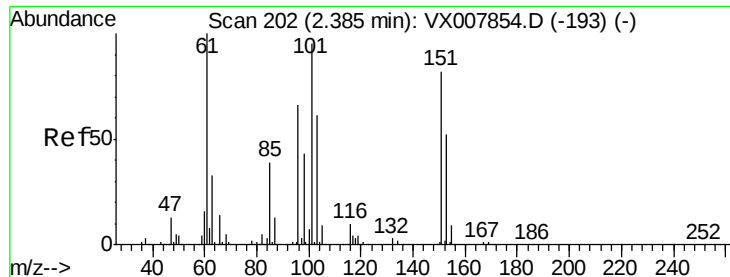


#8

Diethyl Ether
 Concen: 49.102 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX007988.D
 Acq: 11 Mar 2019 23:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.8	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 58.878 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Instrument :

MSVOA_X

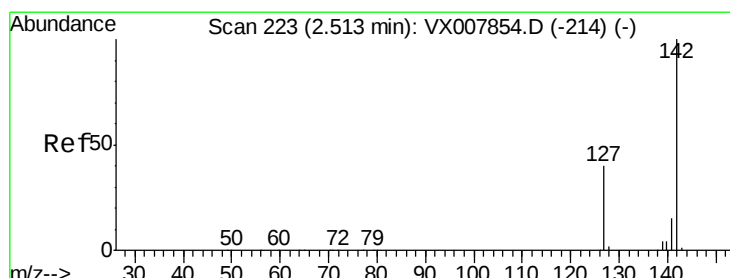
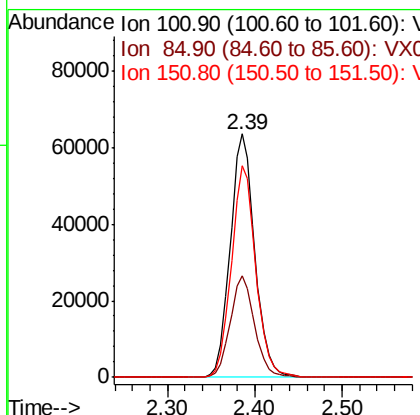
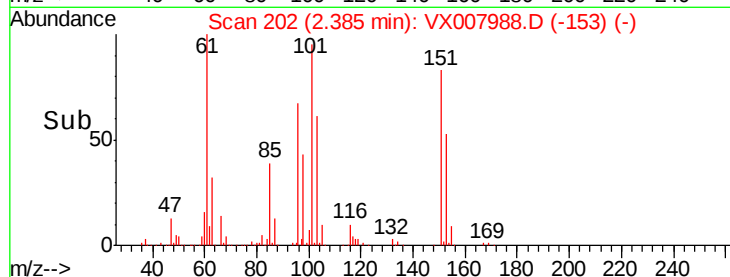
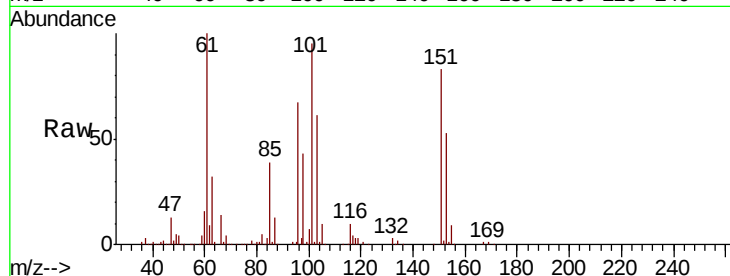
ClientSampleId :

RE122D2-20190308MS

Tgt Ion:	101	Resp:	123723
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.8	50.6
151	86.6	69.1	103.7

Manual Integrations
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#10

Methyl Iodide

Concen: 52.863 ug/l

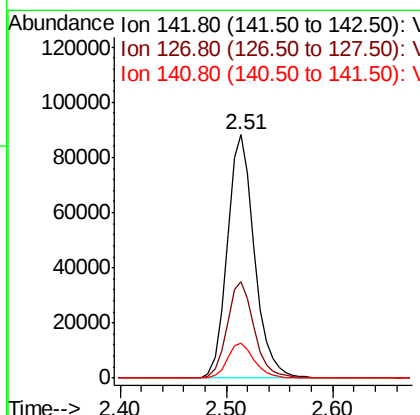
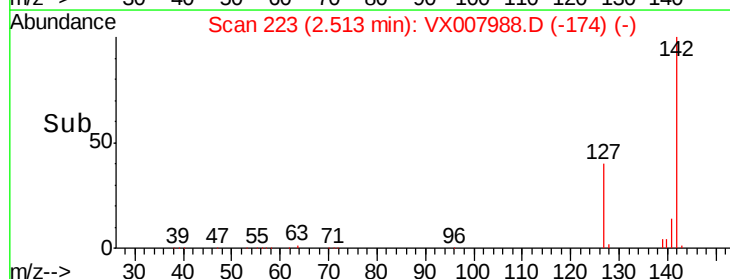
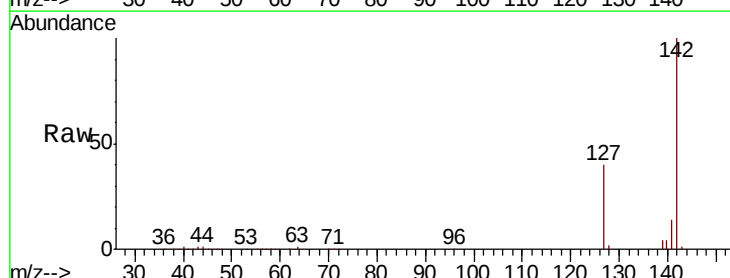
RT: 2.51 min Scan# 223

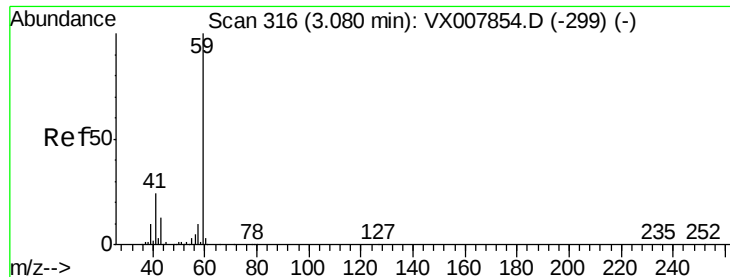
Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Tgt Ion:	142	Resp:	157590
Ion Ratio	Lower	Upper	
142	100		
127	39.5	32.1	48.1
141	14.3	11.4	17.2





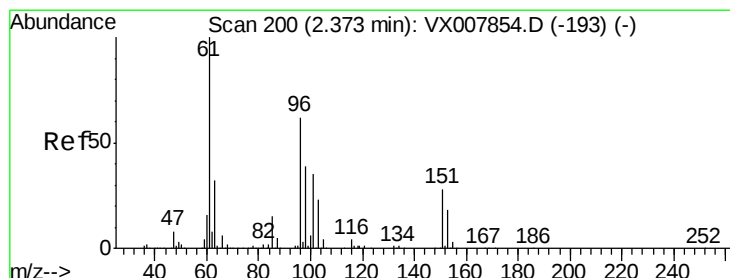
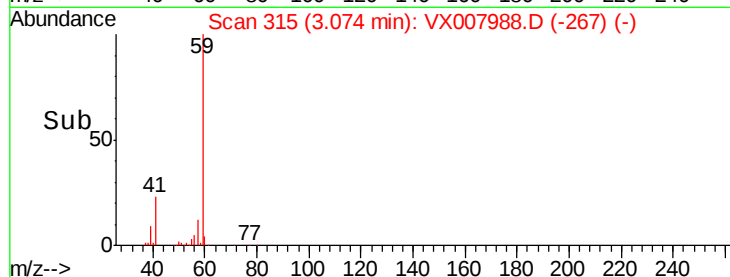
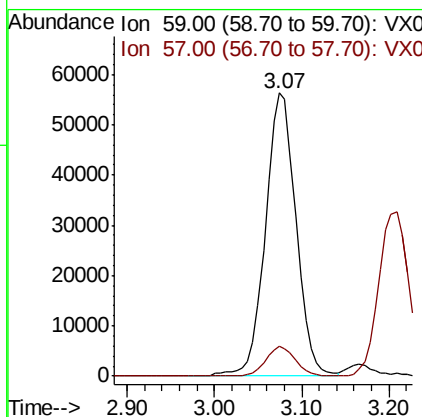
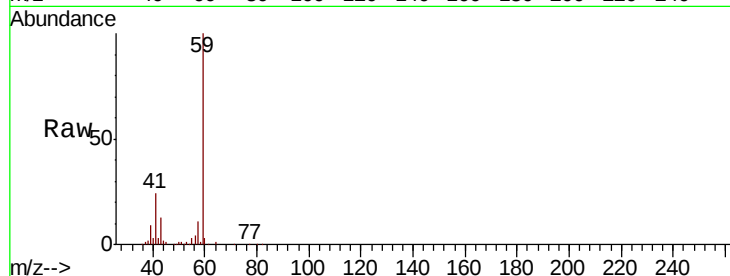
#11
Tert butyl alcohol
Concen: 244.544 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX007988.D
Acq: 11 Mar 2019 23:23

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MS

Tgt Ion: 59 Resp: 137346
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.2

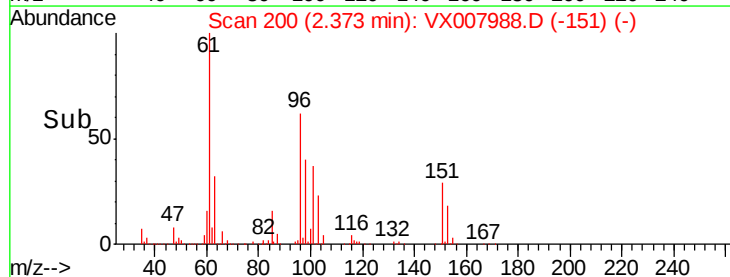
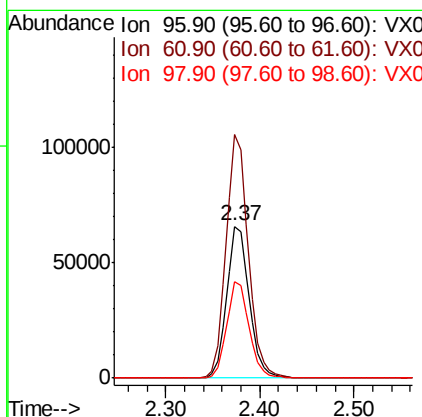
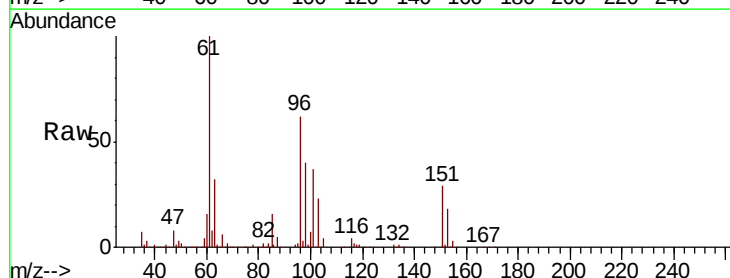
Manual Integrations
APPROVED

MMDadoda
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#12
1,1-Dichloroethene
Concen: 53.782 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007988.D
Acq: 11 Mar 2019 23:23

Tgt Ion: 96 Resp: 108937
Ion Ratio Lower Upper
96 100
61 160.1 129.8 194.6
98 63.3 51.0 76.6





#13

Acrolein

Concen: 263.986 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20190308MS

Tgt Ion: 56 Resp: 83932

Ion Ratio Lower Upper

56 100

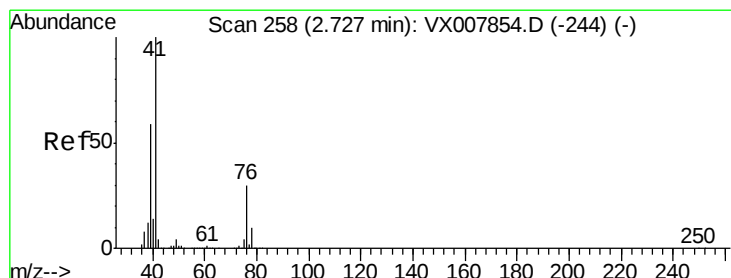
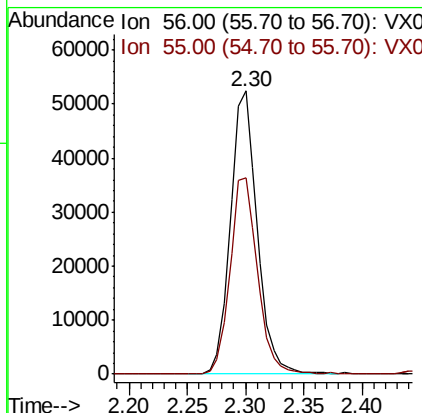
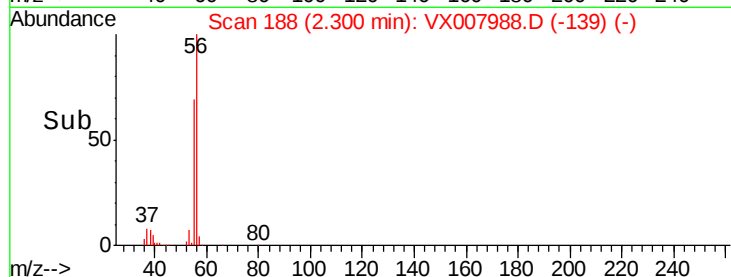
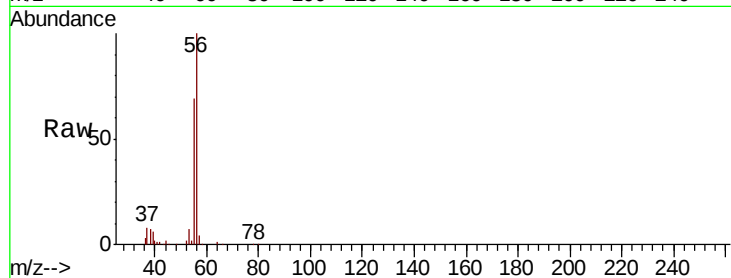
55 71.4 57.8 86.6

Manual Integrations

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MMDadoda

3/12/2019 2:20:48 PM



#14

Allyl chloride

Concen: 46.051 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

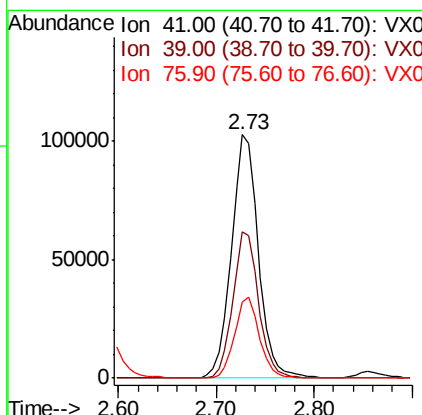
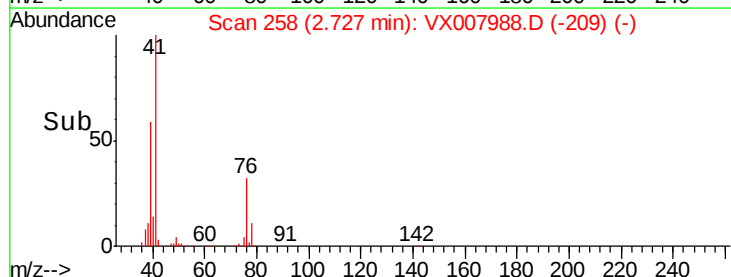
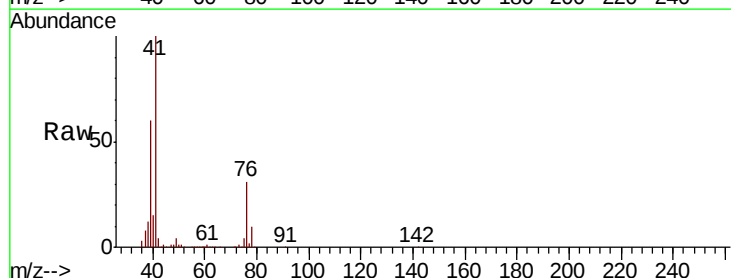
Tgt Ion: 41 Resp: 196009

Ion Ratio Lower Upper

41 100

39 57.6 46.1 69.1

76 30.9 24.0 36.0





#15

Acrylonitrile

Concen: 236.471 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Instrument :

MSVOA_X

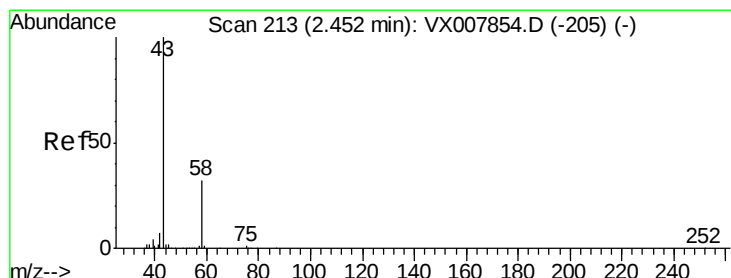
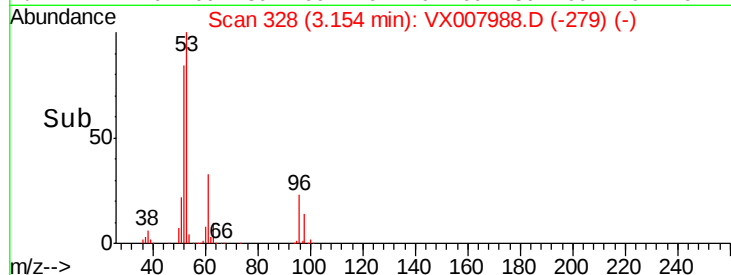
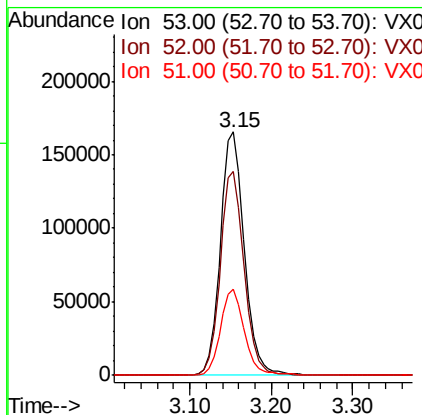
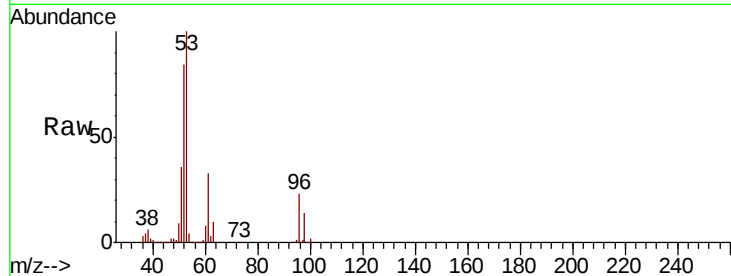
ClientSampleId :

RE122D2-20190308MS

Tgt Ion:	53	Resp:	335230
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.0	99.0
51	35.4	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 190.136 ug/l

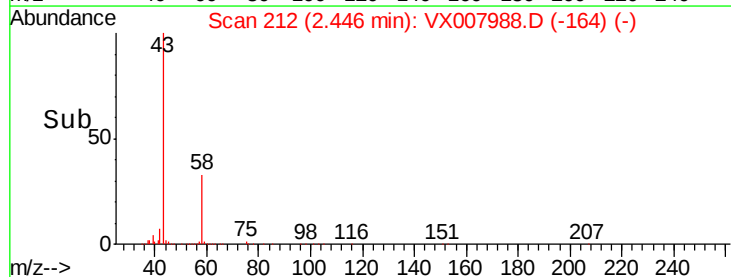
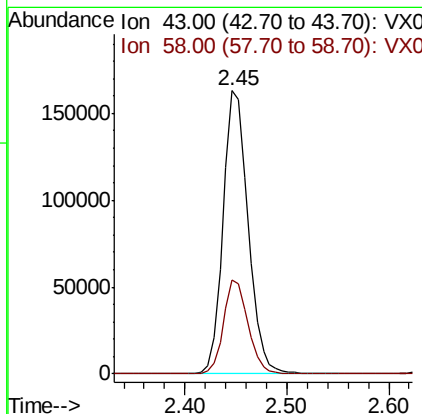
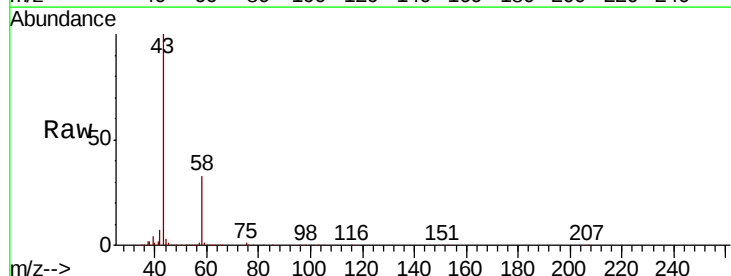
RT: 2.45 min Scan# 212

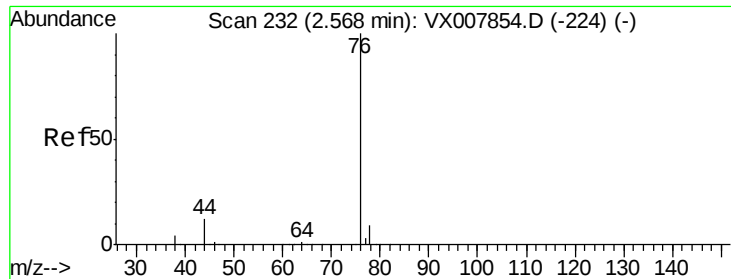
Delta R.T. -0.01 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Tgt Ion:	43	Resp:	276388
Ion	Ratio	Lower	Upper
43	100		
58	33.0	25.5	38.3





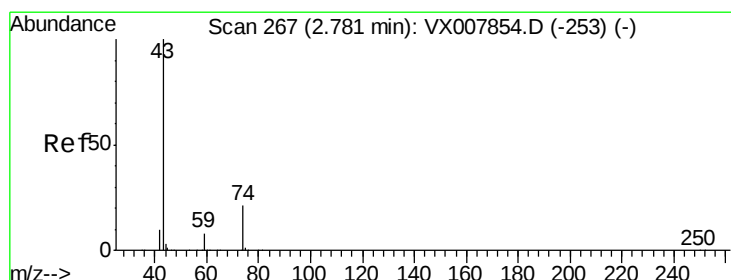
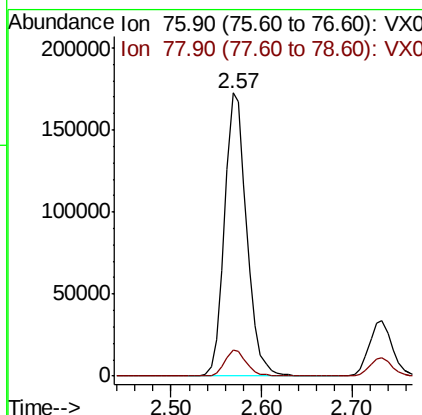
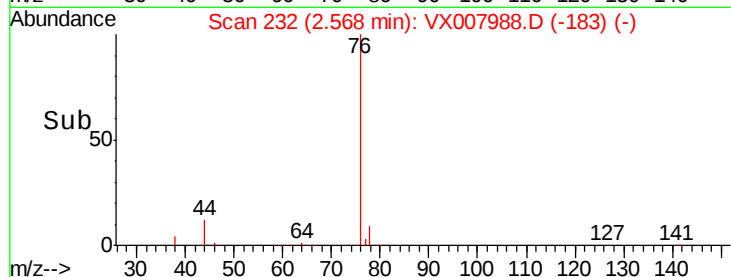
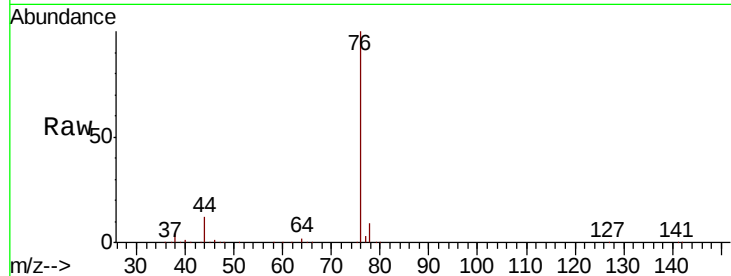
#17
Carbon Disulfide
Concen: 47.544 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX007988.D
Acq: 11 Mar 2019 23:23

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MS

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

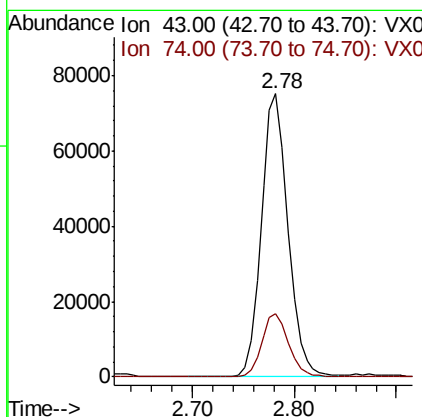
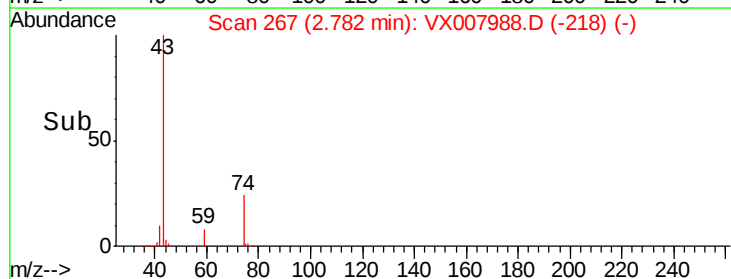
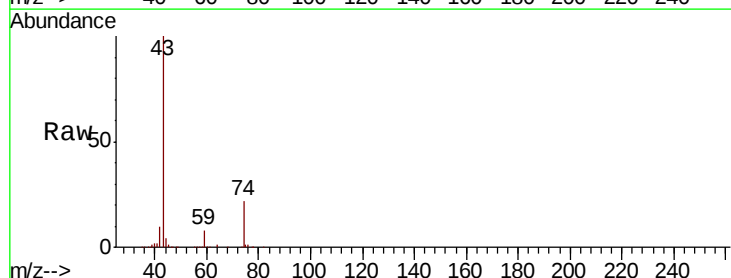
Manual Integrations
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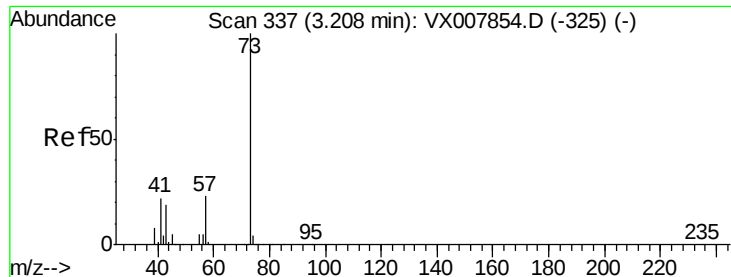
MMDadoda
3/12/2019 2:20:48 PM



#18
Methyl Acetate
Concen: 44.102 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007988.D
Acq: 11 Mar 2019 23:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	17.8	26.6





#19

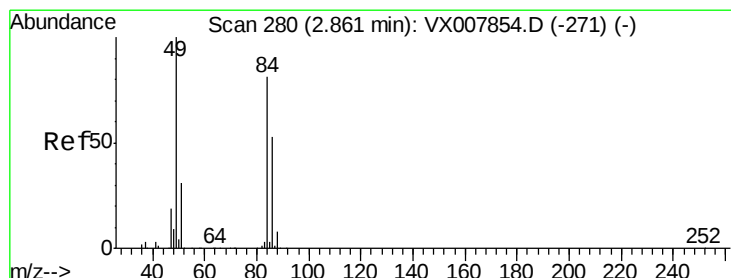
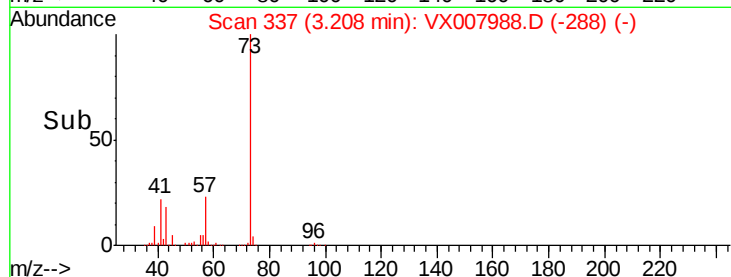
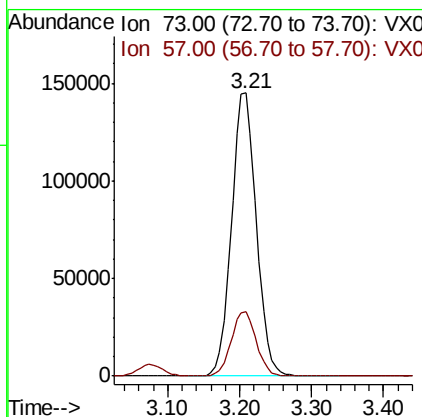
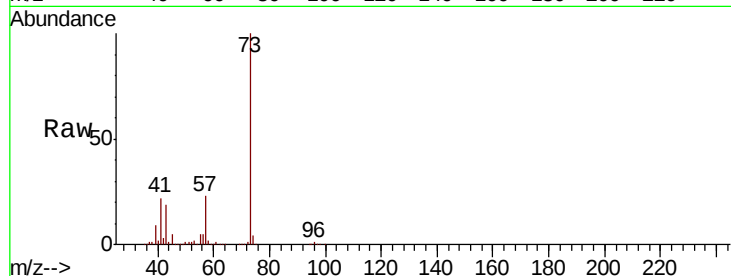
Methyl tert-butyl Ether
 Concen: 49.783 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.00 min
 Lab File: VX007988.D
 Acq: 11 Mar 2019 23:23

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-20190308MS

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.2	27.4

Manual Integrations
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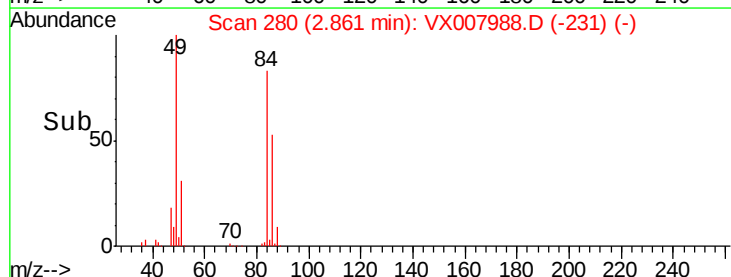
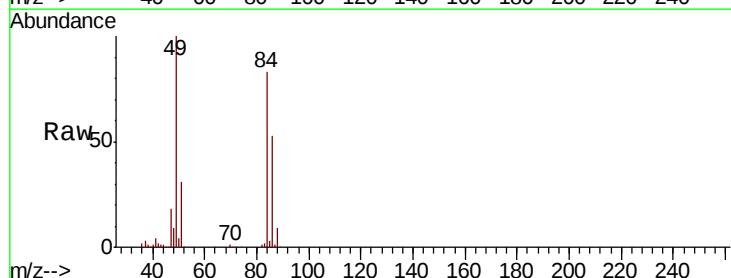
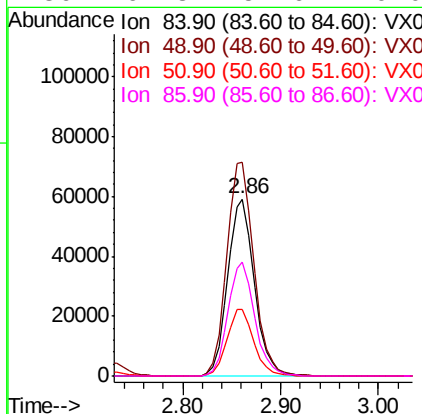
MMDadoda
 3/12/2019 2:20:48 PM

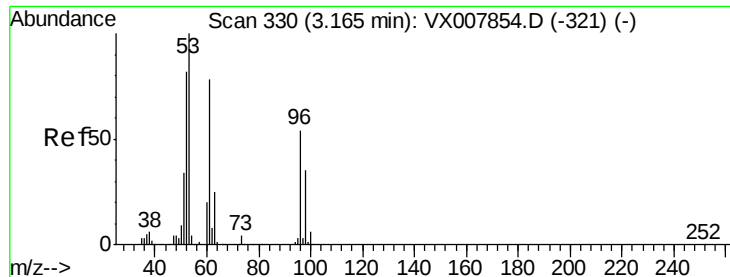


#20

Methylene Chloride
 Concen: 48.350 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX007988.D
 Acq: 11 Mar 2019 23:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.8	99.3	148.9
51	37.4	31.3	46.9
86	64.3	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 48.280 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Instrument :

MSVOA_X

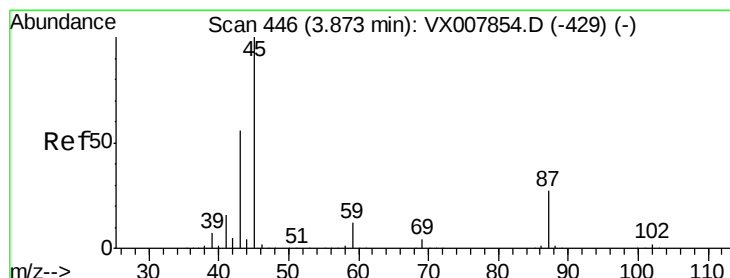
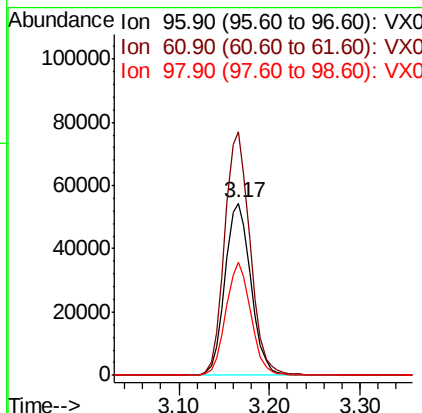
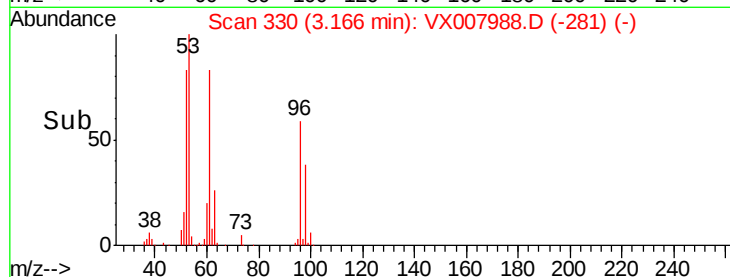
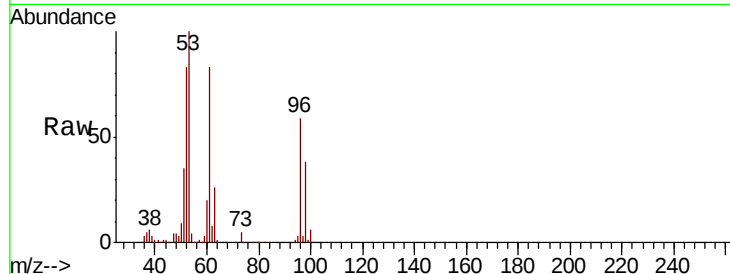
ClientSampleId :

RE122D2-20190308MS

Tgt Ion:	96	Resp:	107605
Ion Ratio	Lower	Upper	
96	100		
61	141.6	114.4	171.6
98	65.5	51.1	76.7

Manual Integrations
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3/12/2019 2:20:48 PM



#22

Diisopropyl ether

Concen: 47.043 ug/l

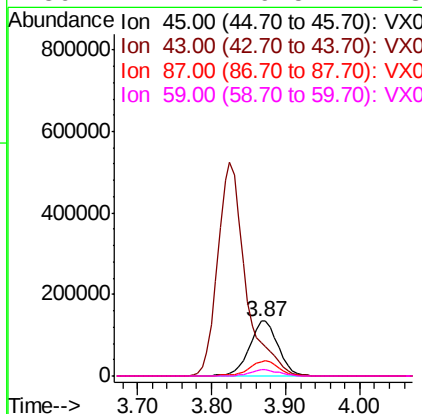
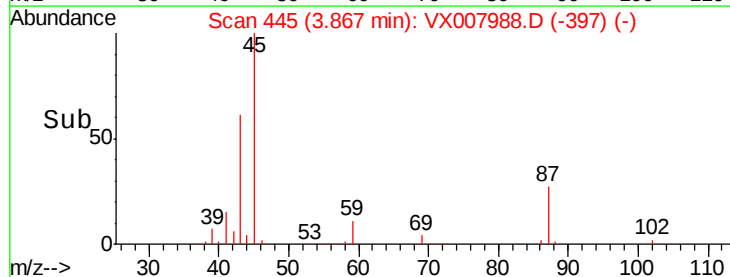
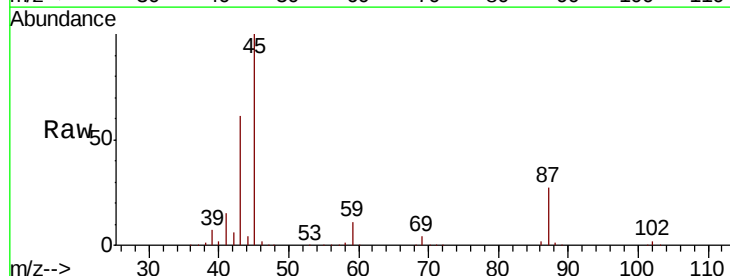
RT: 3.87 min Scan# 445

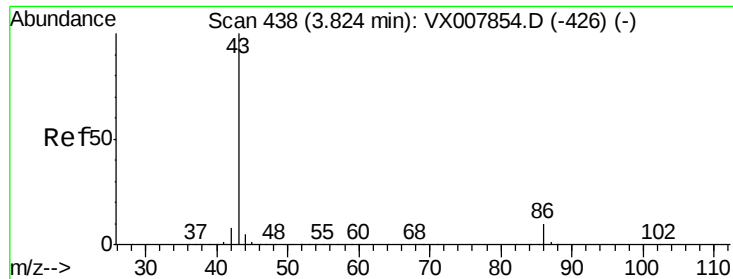
Delta R.T. -0.01 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Tgt Ion:	45	Resp:	367044
Ion Ratio	Lower	Upper	
45	100		
43	60.9	45.3	67.9
87	26.6	21.4	32.0
59	11.2	9.5	14.3





#23

Vinyl Acetate

Concen: 199.347 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20190308MS

Tgt Ion: 43 Resp: 1363928

Ion Ratio Lower Upper

43 100

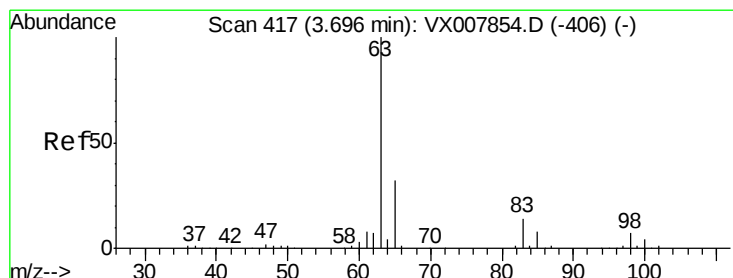
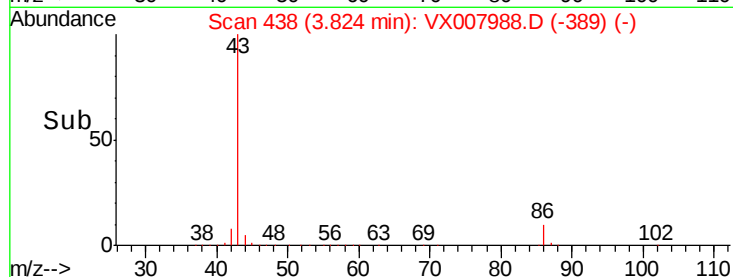
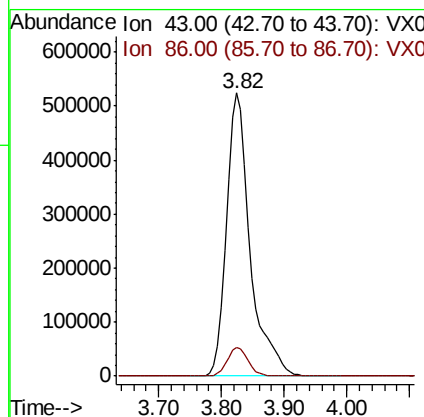
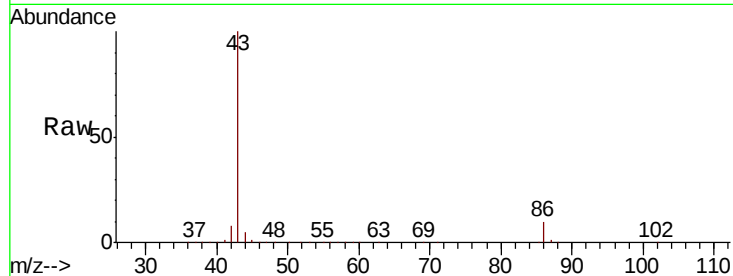
86 10.2 7.9 11.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.154 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

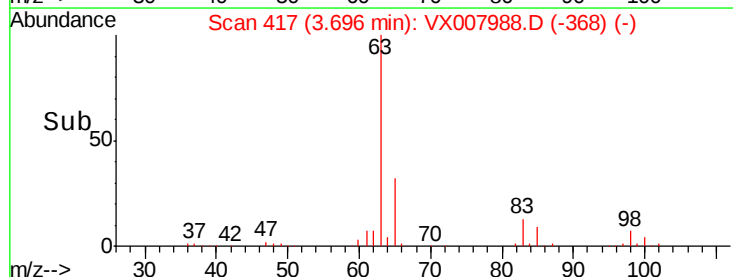
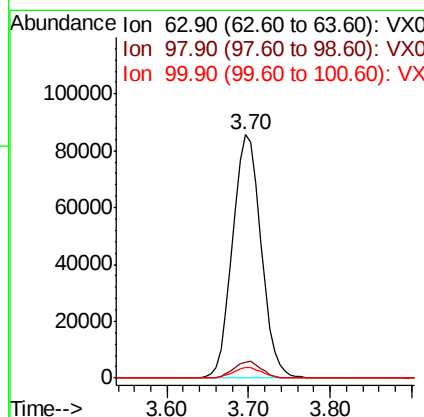
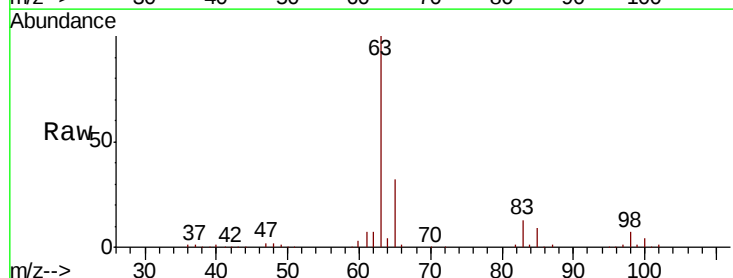
Tgt Ion: 63 Resp: 206385

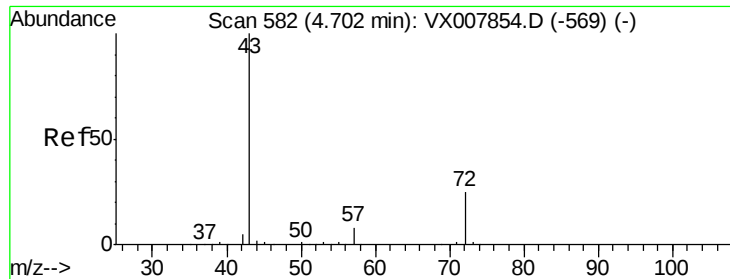
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 4.2 2.3 6.8





#25

2-Butanone

Concen: 222.074 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20190308MS

Tgt Ion: 43 Resp: 457022

Ion Ratio Lower Upper

43 100

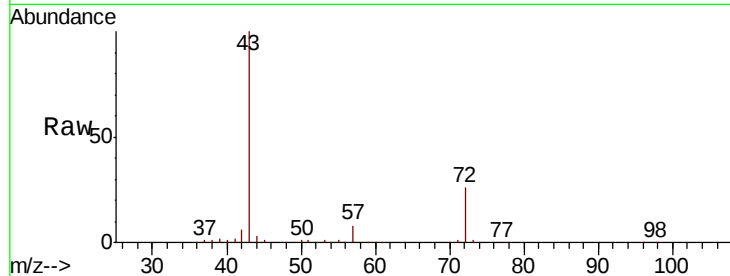
72 25.6 19.9 29.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

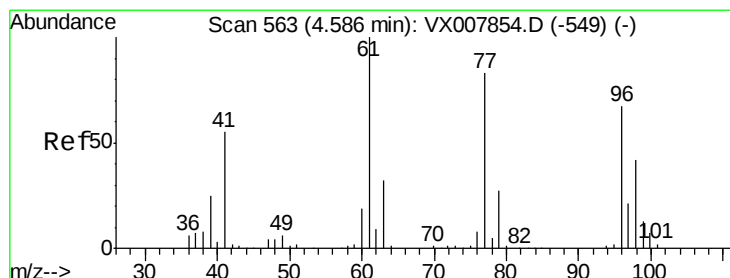
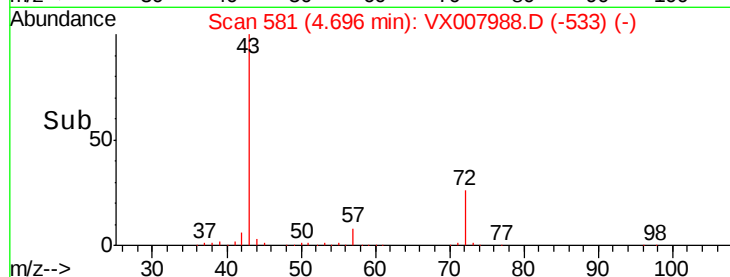
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 40.513 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007988.D

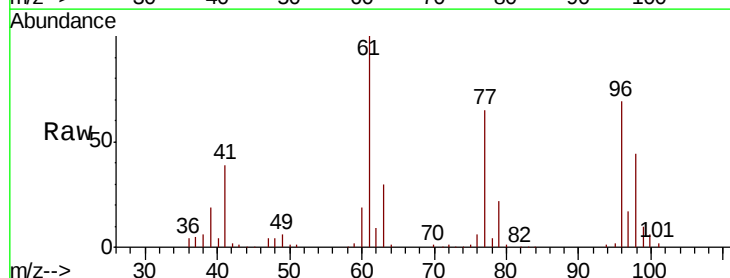
Acq: 11 Mar 2019 23:23

Tgt Ion: 77 Resp: 112695

Ion Ratio Lower Upper

77 100

97 26.1 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

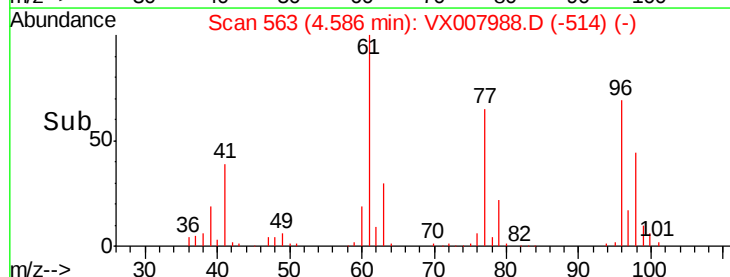
20000

10000

0

4.40 4.50 4.60 4.70

Time-->





#27

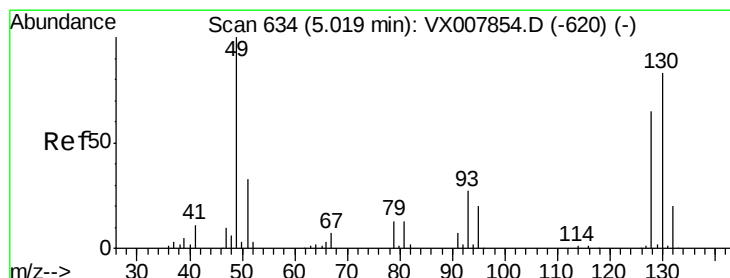
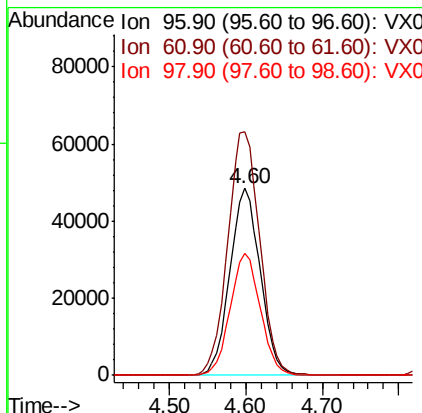
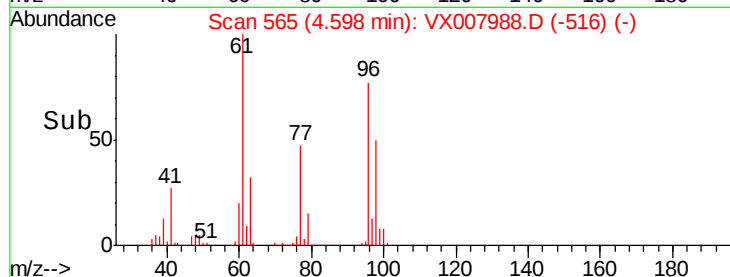
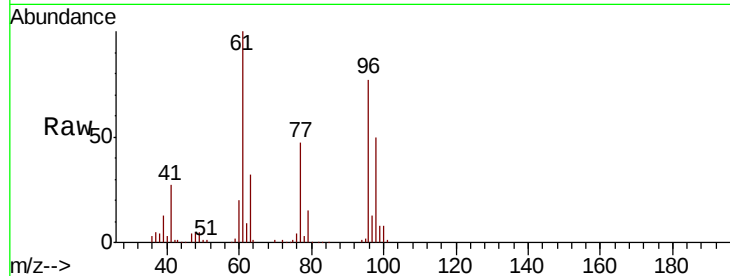
cis-1,2-Dichloroethene
 Concen: 52.287 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX007988.D
 Acq: 11 Mar 2019 23:23

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-20190308MS

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	133351		
61	137.6	0.0	288.0	
98	64.8	0.0	129.0	

Manual Integrations
 APPROVED

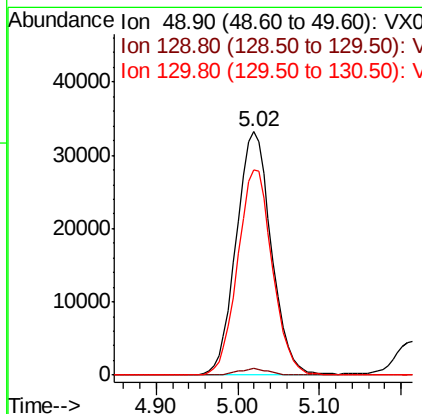
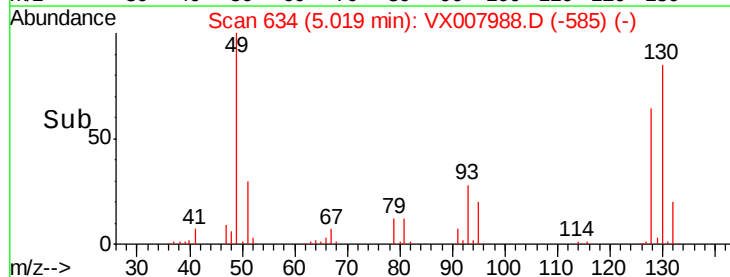
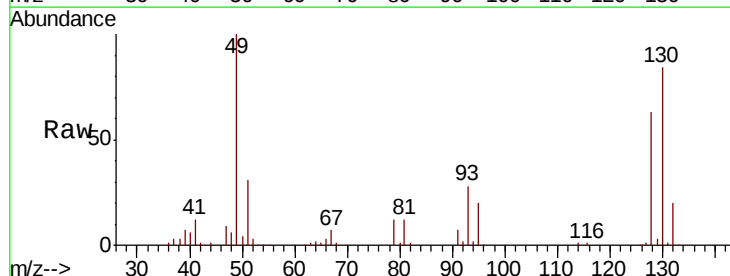
MMDadoda
 3/12/2019 2:20:48 PM



#28

Bromochloromethane
 Concen: 50.604 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX007988.D
 Acq: 11 Mar 2019 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	99056		
129	2.3	0.0	4.0	
130	83.5	65.0	97.4	





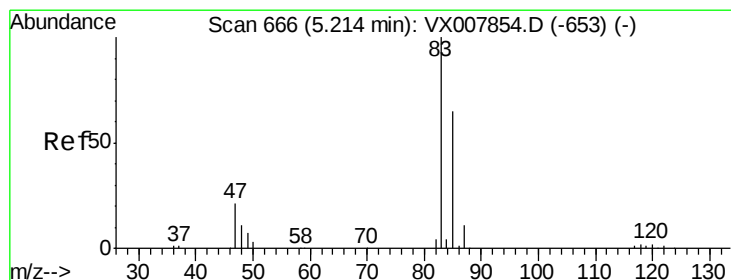
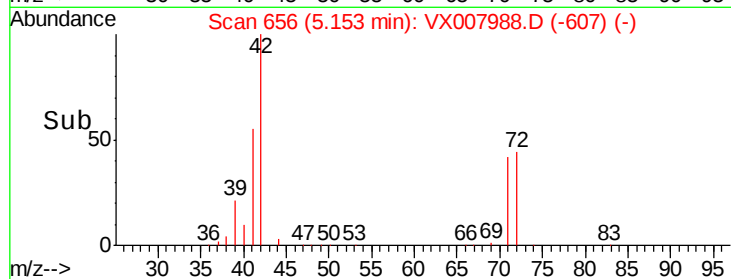
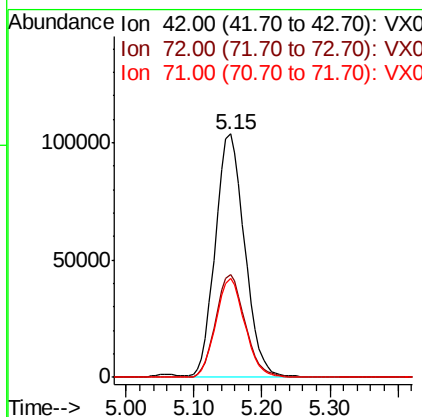
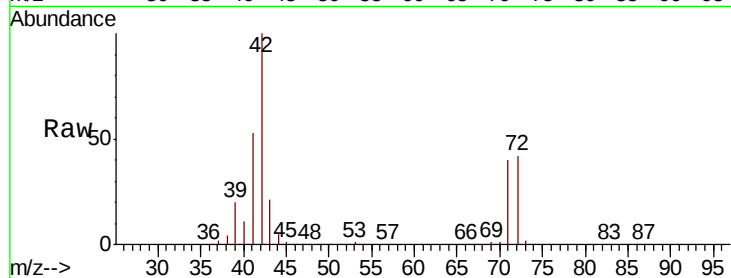
#29
Tetrahydrofuran
Concen: 241.431 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX007988.D
Acq: 11 Mar 2019 23:23

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MS

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.8	50.6
71	40.4	31.5	47.3

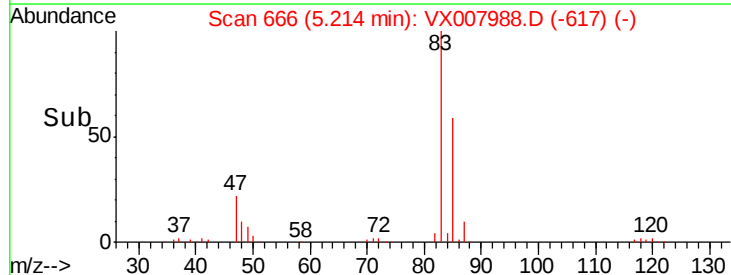
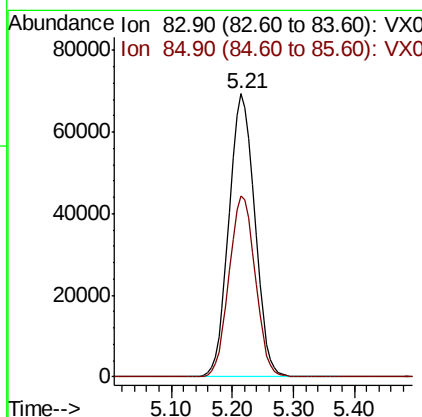
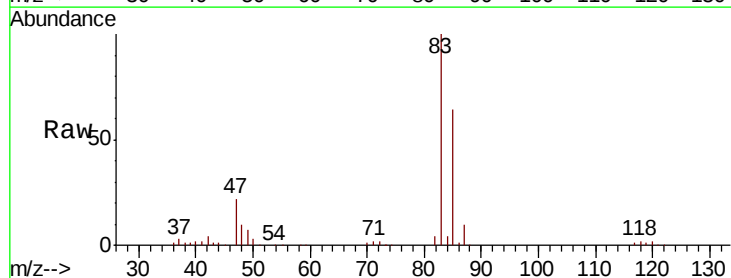
Manual Integrations
APPROVED

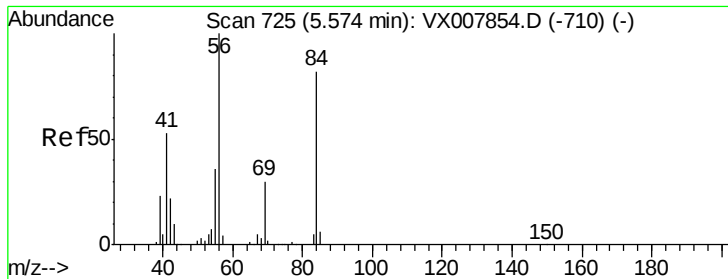
MMDadoda
3/12/2019 2:20:48 PM



#30
Chloroform
Concen: 50.828 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007988.D
Acq: 11 Mar 2019 23:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.6





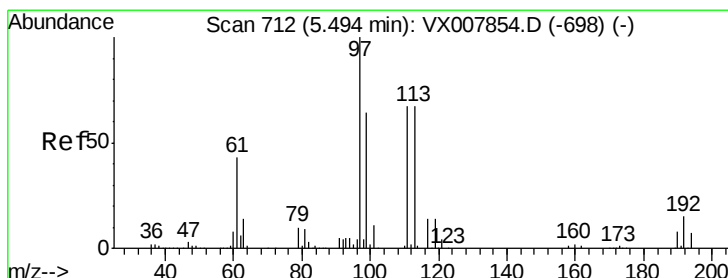
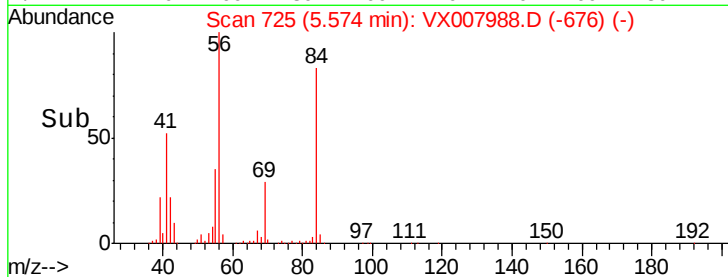
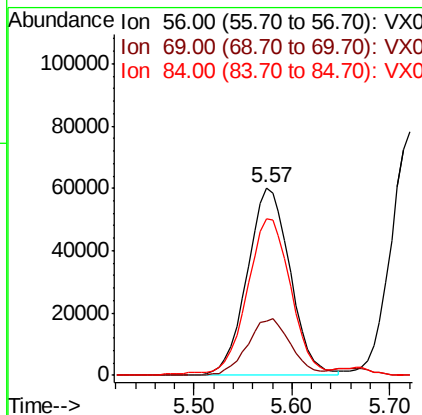
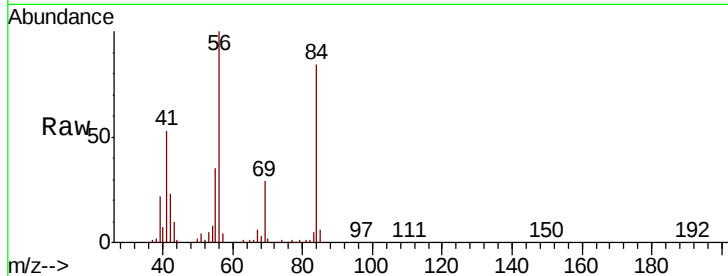
#31
Cyclohexane
Concen: 47.440 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007988.D
Acq: 11 Mar 2019 23:23

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MS

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.0	24.0	36.0
84	82.2	65.3	97.9

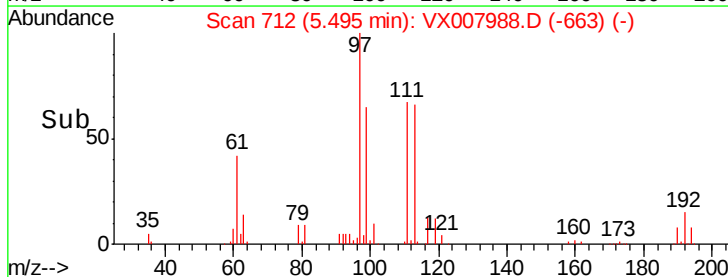
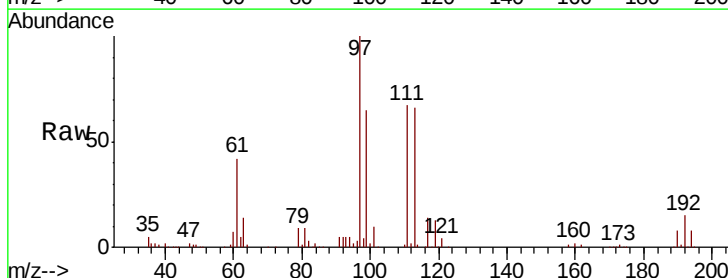
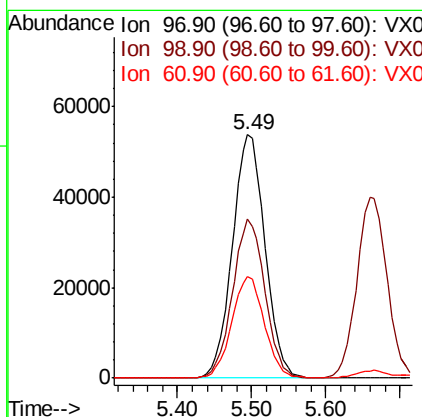
Manual Integrations
APPROVED

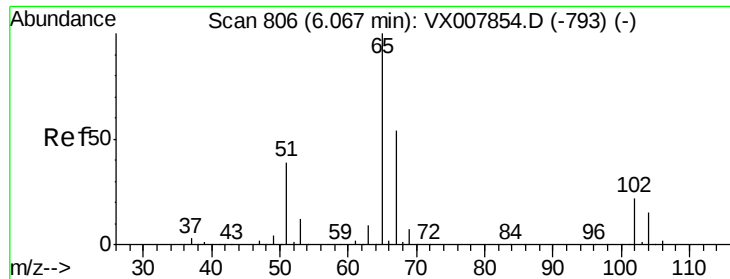
MMDadoda
3/12/2019 2:20:48 PM



#32
1,1,1-Trichloroethane
Concen: 50.082 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX007988.D
Acq: 11 Mar 2019 23:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.2	78.2
61	41.9	34.9	52.3





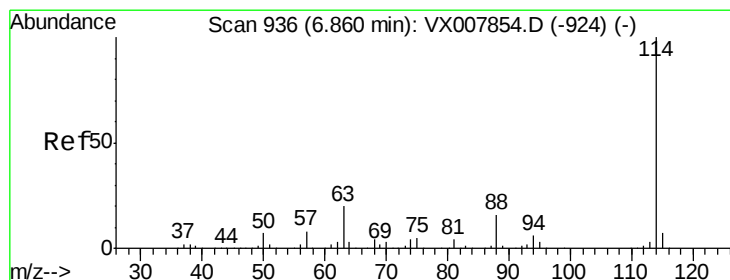
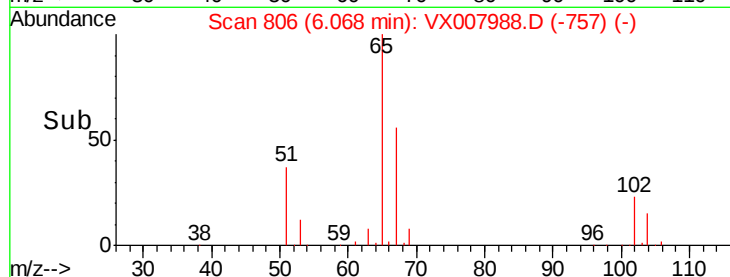
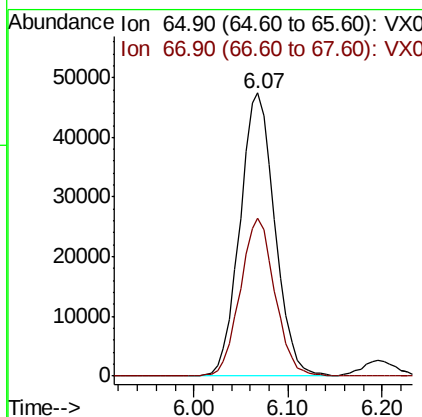
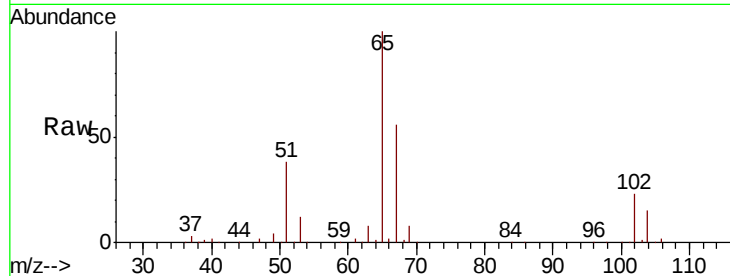
#33
 1,2-Dichloroethane-d4
 Concen: 48.893 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007988.D
 Acq: 11 Mar 2019 23:23

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-20190308MS

Tgt Ion: 65 Resp: 122791
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 110.0

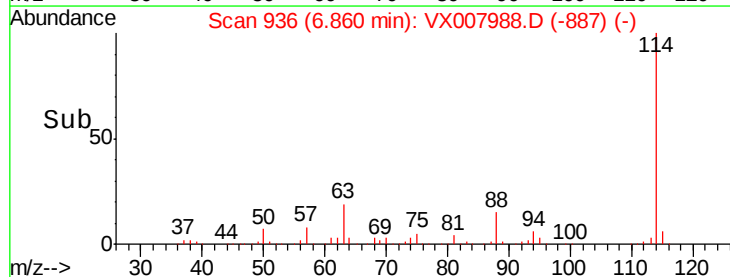
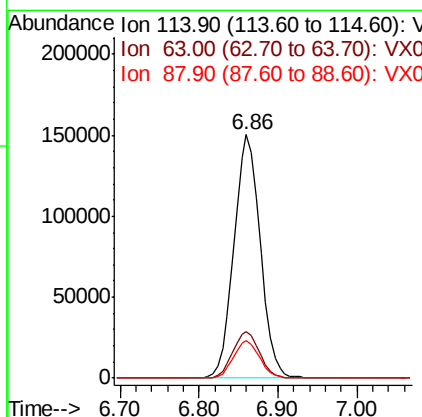
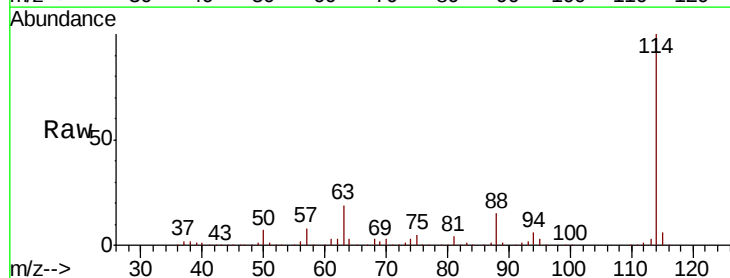
Manual Integrations
 APPROVED

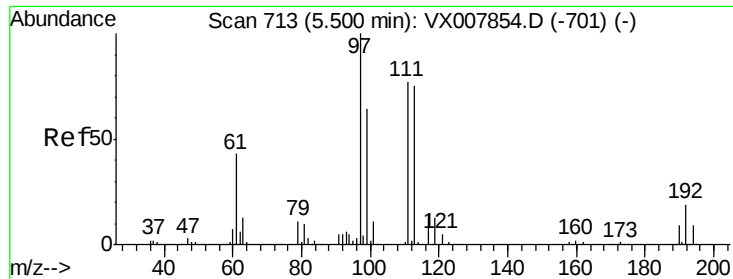
MMDadoda
 3/12/2019 2:20:48 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007988.D
 Acq: 11 Mar 2019 23:23

Tgt Ion: 114 Resp: 349565
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.8
 88 15.2 0.0 31.4





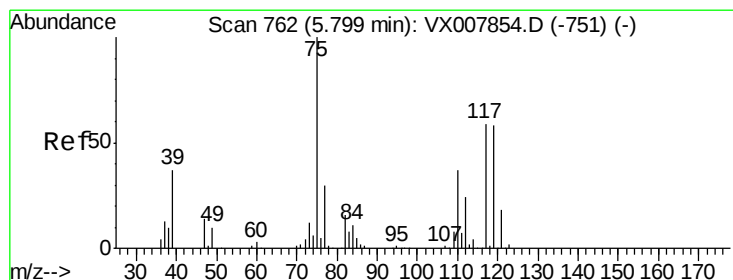
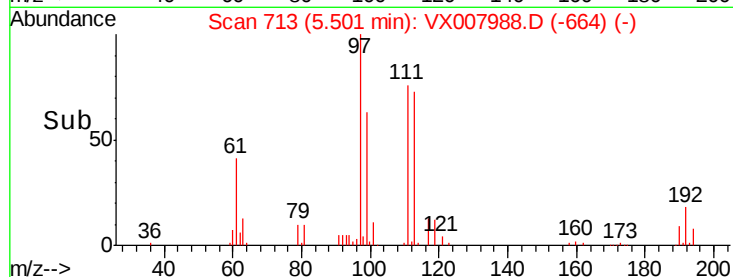
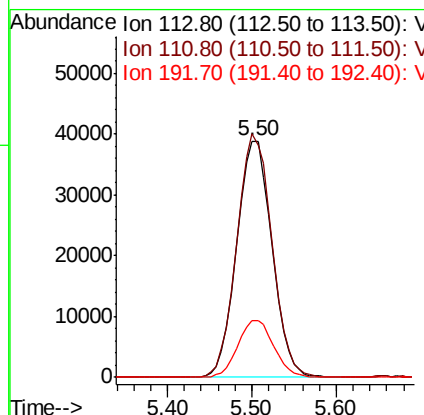
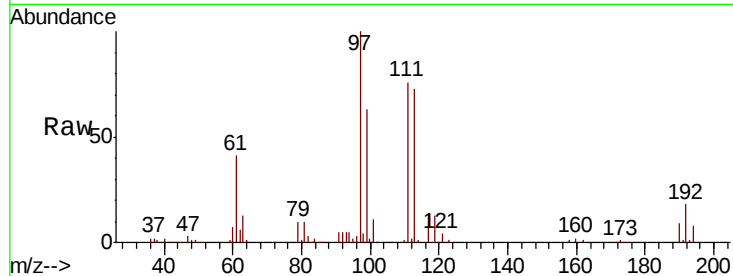
#35
Dibromofluoromethane
Concen: 49.513 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX007988.D
Acq: 11 Mar 2019 23:23

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MS

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	110714		
111	102.3	81.4	122.0	
192	24.3	19.4	29.0	

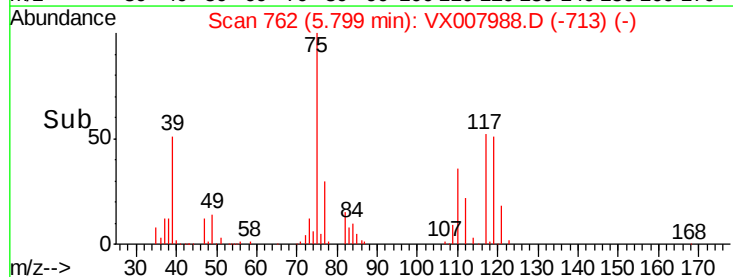
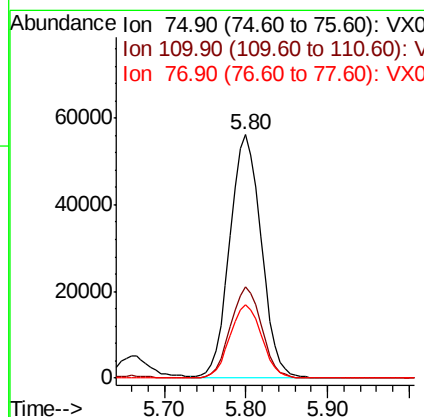
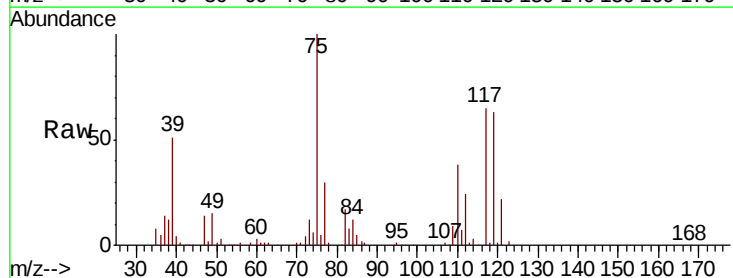
Manual Integrations
APPROVED

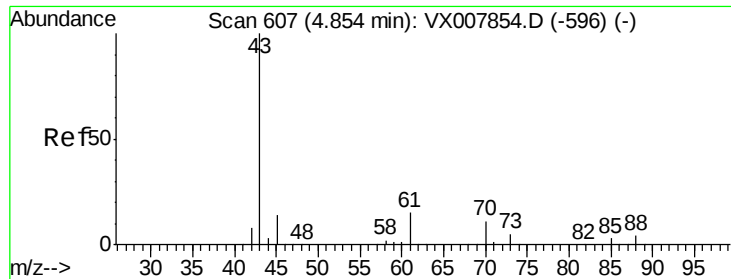
MMDadoda
3/12/2019 2:20:48 PM



#36
1,1-Dichloropropene
Concen: 47.512 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX007988.D
Acq: 11 Mar 2019 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	150386		
110	37.1	18.4	55.0	
77	30.5	25.0	37.4	





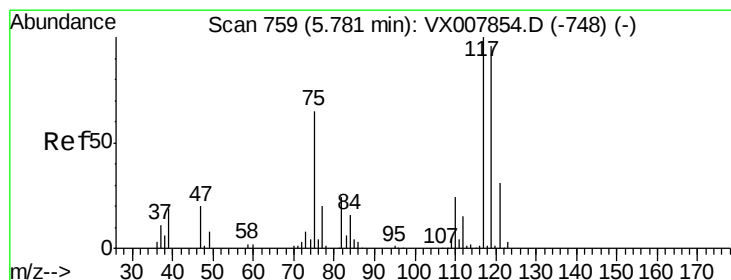
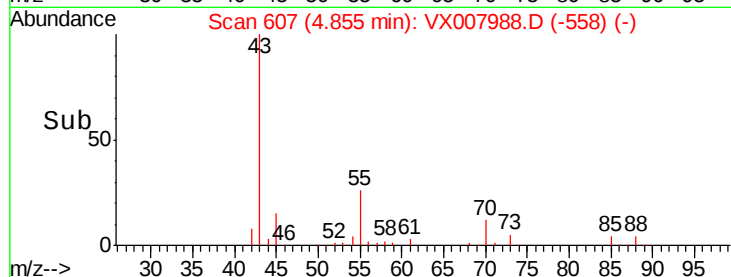
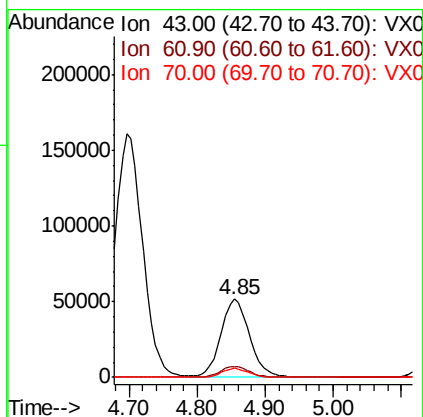
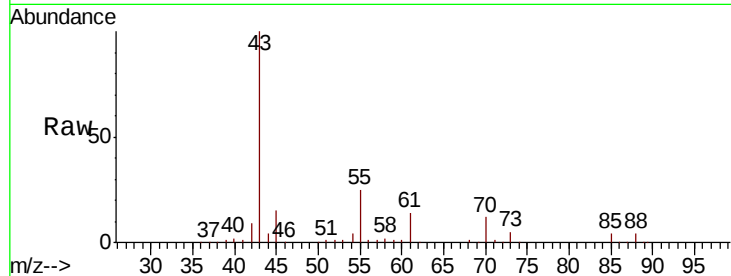
#37
Ethyl Acetate
Concen: 39.923 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX007988.D
Acq: 11 Mar 2019 23:23

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MS

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.3	16.9
70	10.9	8.5	12.7

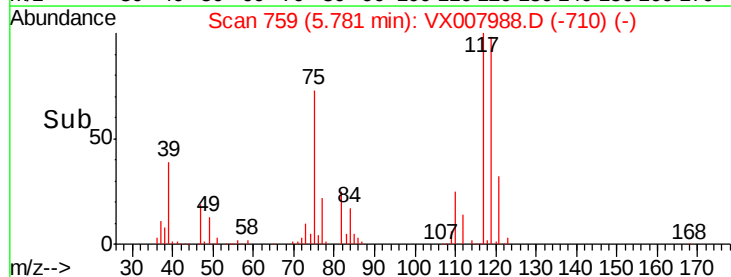
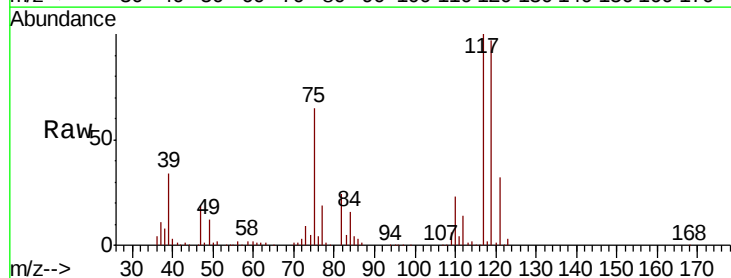
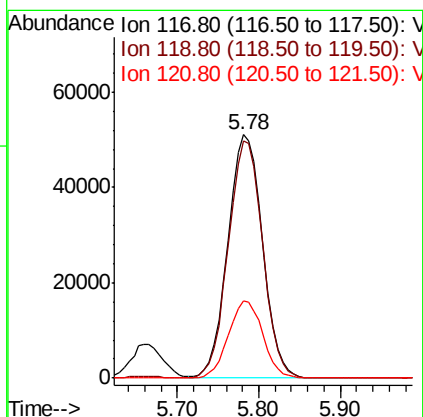
Manual Integrations
APPROVED

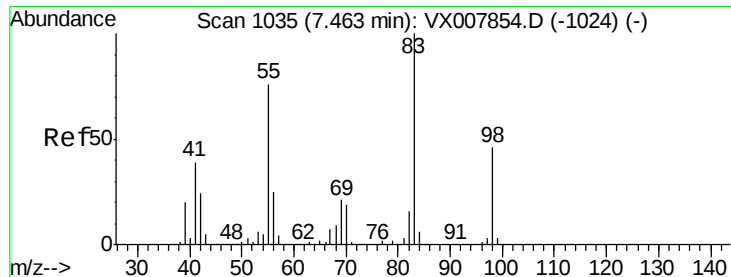
MMDadoda
3/12/2019 2:20:48 PM



#38
Carbon Tetrachloride
Concen: 49.994 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007988.D
Acq: 11 Mar 2019 23:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.2	114.2
121	31.7	24.6	36.8





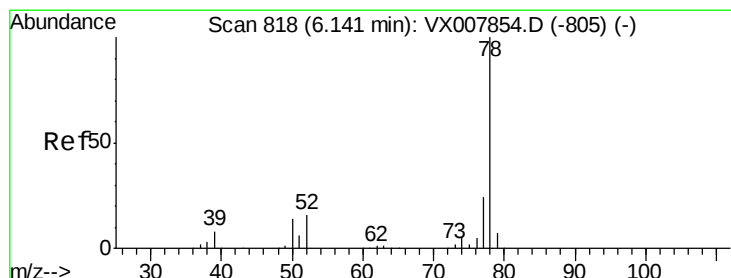
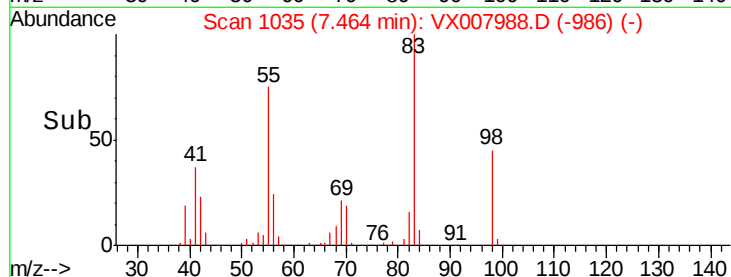
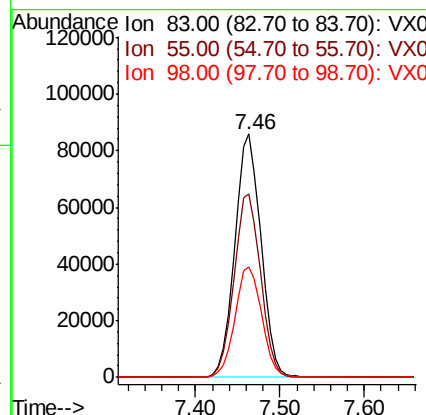
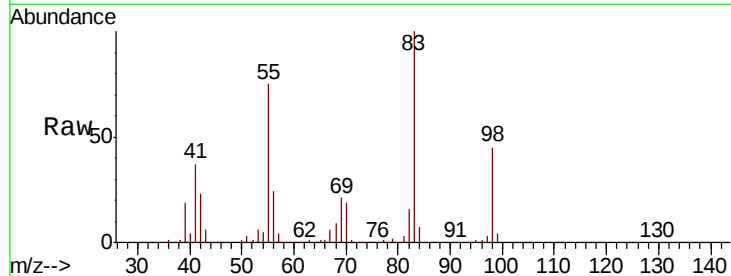
#39
Methylcyclohexane
Concen: 46.955 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007988.D
Acq: 11 Mar 2019 23:23

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MS

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	180092		
55	75.2	60.4	90.6	
98	45.4	36.5	54.7	

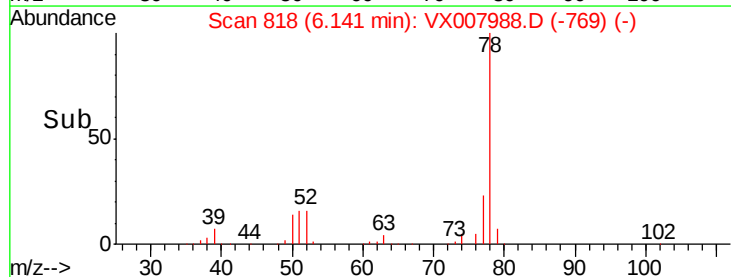
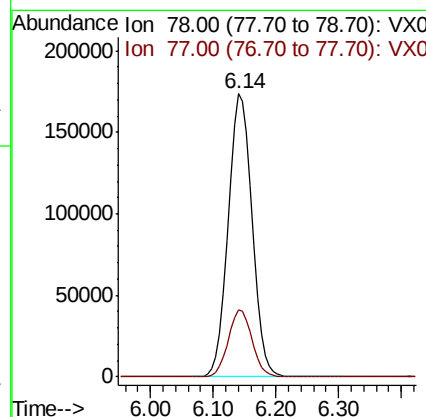
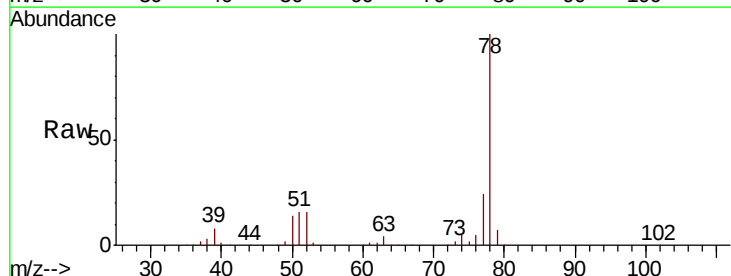
Manual Integrations
APPROVED

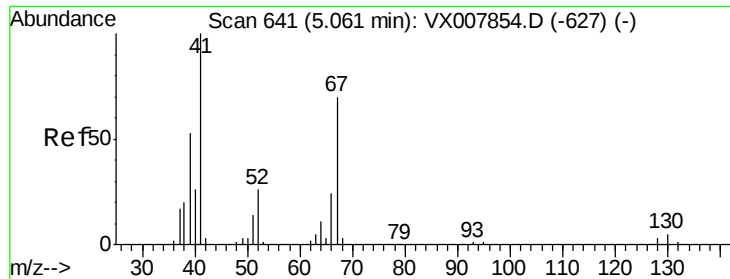
MMDadoda
3/12/2019 2:20:48 PM



#40
Benzene
Concen: 48.631 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007988.D
Acq: 11 Mar 2019 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	458250		
77	23.7	19.0	28.4	





#41

Methacrylonitrile

Concen: 47.526 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Instrument :

MSVOA_X

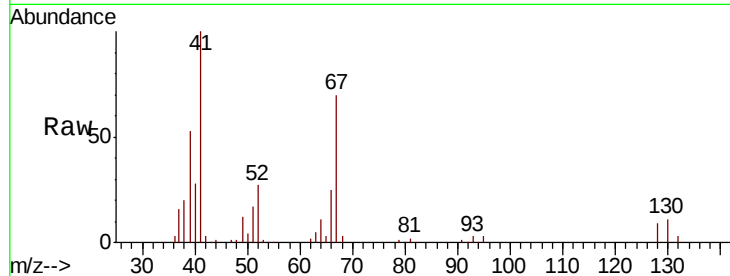
ClientSampleId :

RE122D2-20190308MS

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.7	41.6	62.4	
67	71.8	55.8	83.6	
52	28.4	21.7	32.5	

Manual Integrations
APPROVED

MMDadoda
3/12/2019 2:20:48 PM



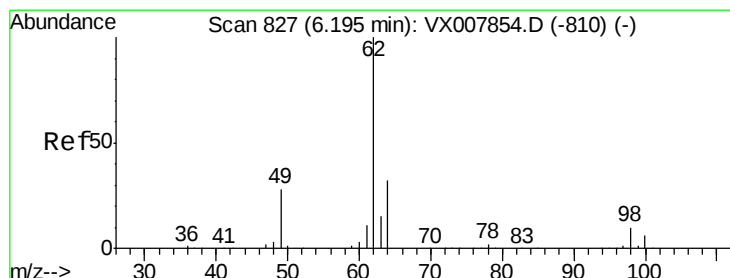
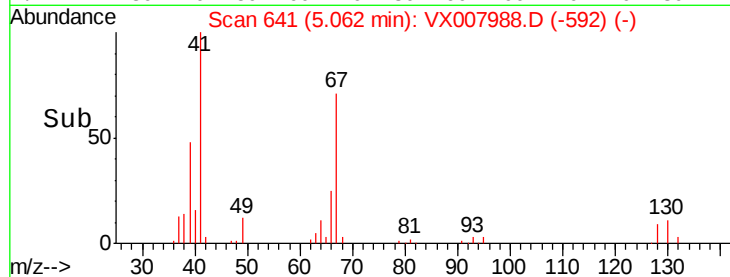
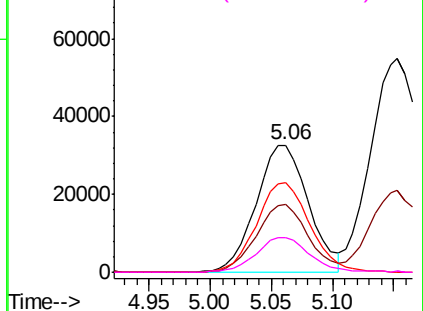
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 48.142 ug/l

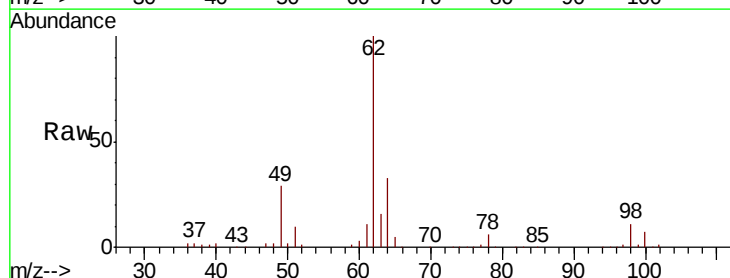
RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

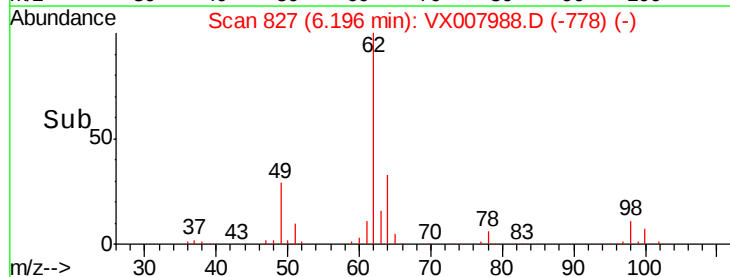
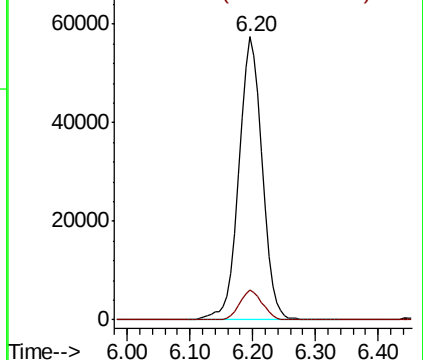
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	20.4	

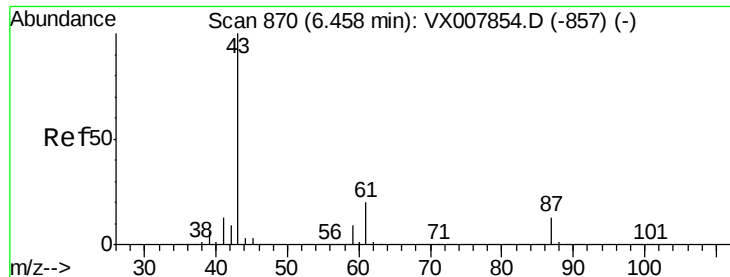


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

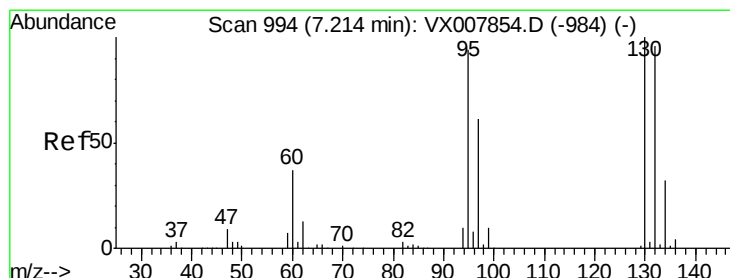
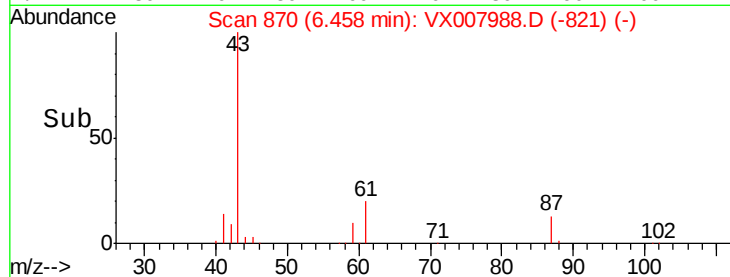
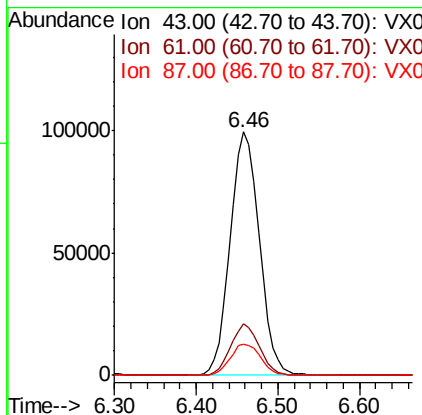
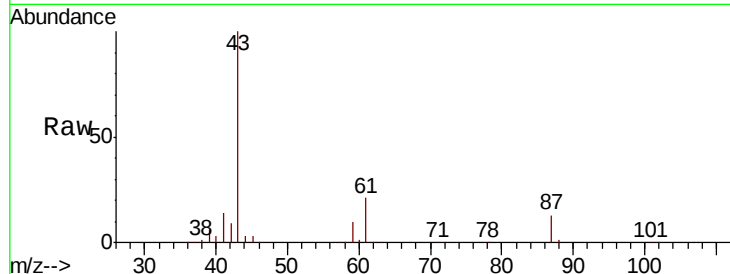
Isopropyl Acetate
 Concen: 44.092 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX007988.D
 Acq: 11 Mar 2019 23:23

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-20190308MS

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.3	24.5
87	13.4	10.5	15.7

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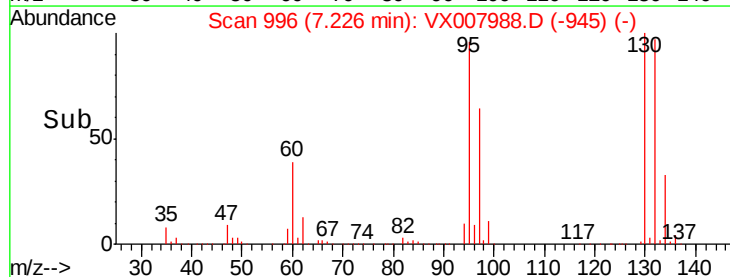
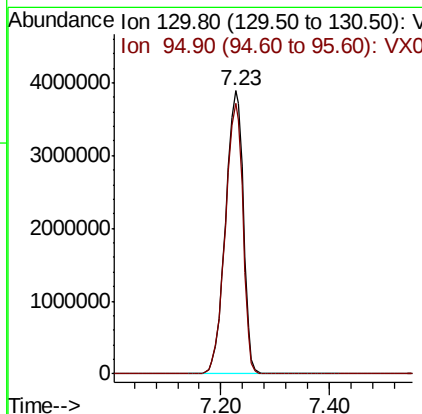
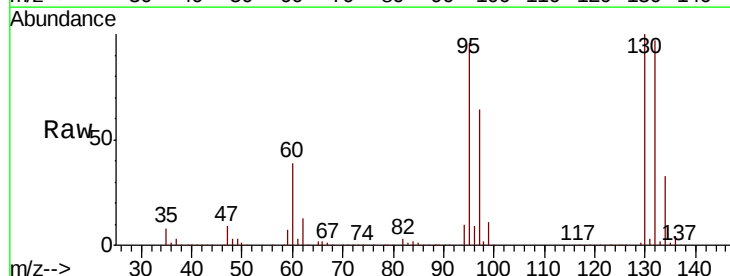
MMDadoda
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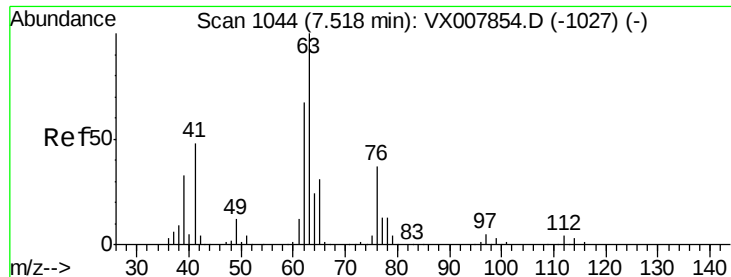


#44

Trichloroethene
 Concen: 3410.413 ug/l
 RT: 7.23 min Scan# 996
 Delta R.T. 0.01 min
 Lab File: VX007988.D
 Acq: 11 Mar 2019 23:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	188.0





#45

1,2-Dichloropropane

Concen: 47.566 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20190308MS

Tgt Ion: 63 Resp: 118382

Ion Ratio Lower Upper

63 100

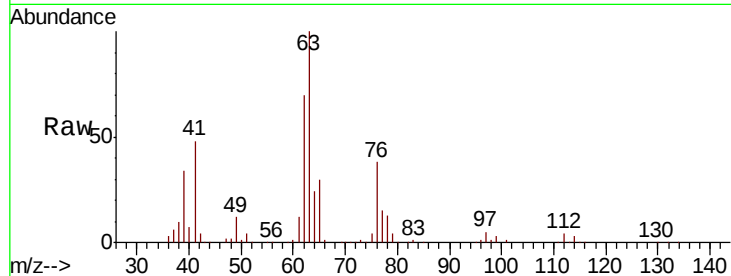
65 30.2 24.7 37.1

Manual Integrations

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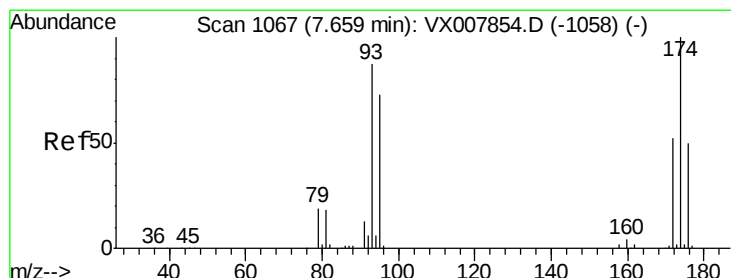
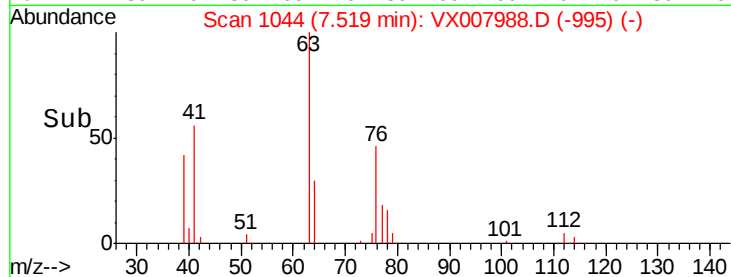
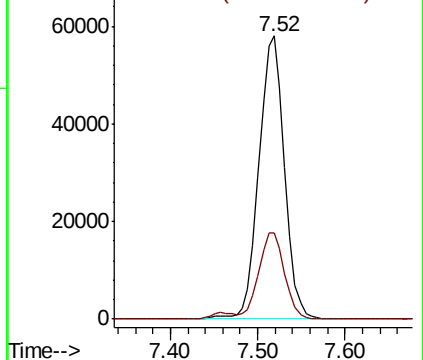
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 48.711 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

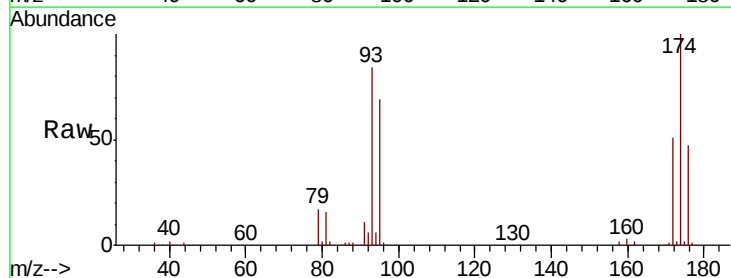
Tgt Ion: 93 Resp: 76723

Ion Ratio Lower Upper

93 100

95 83.0 66.8 100.2

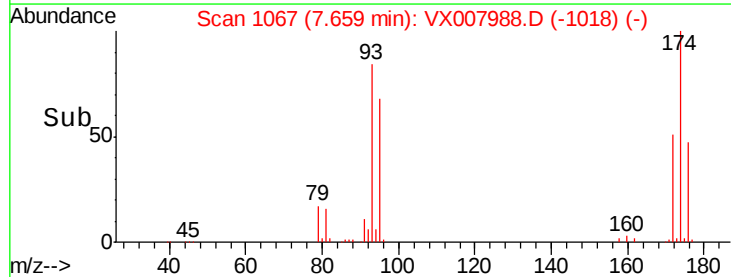
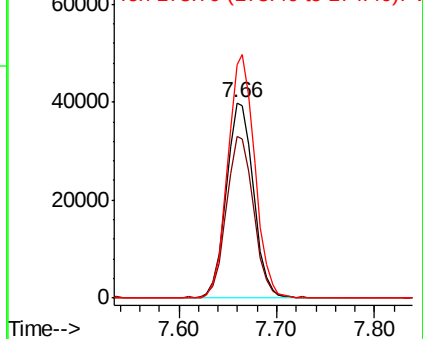
174 123.7 97.3 145.9

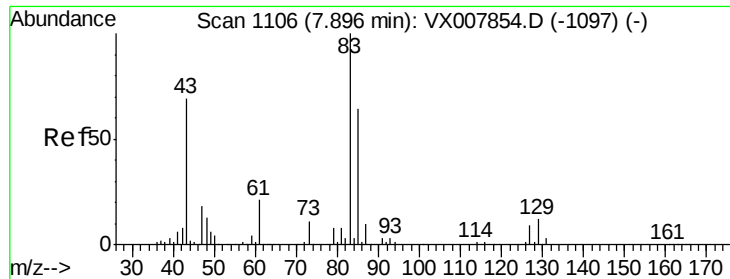


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.528 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Instrument :

MSVOA_X

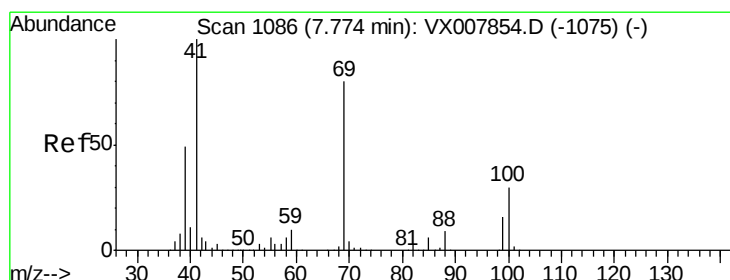
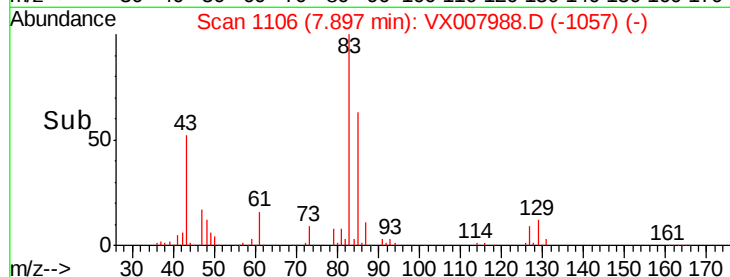
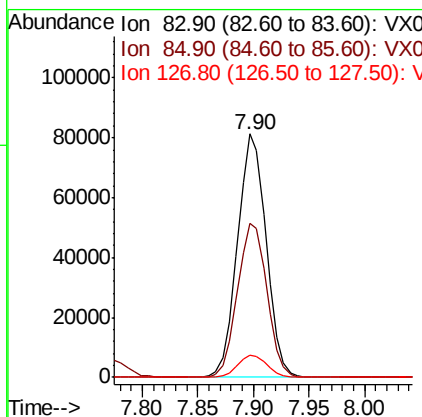
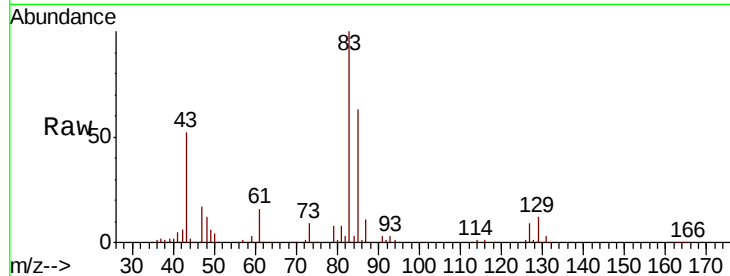
ClientSampleId :

RE122D2-20190308MS

Tgt Ion:	83	Resp:	144916
Ion Ratio	Lower	Upper	
83	100		
85	63.0	50.9	76.3
127	9.1	7.4	11.0

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#48

Methyl methacrylate

Concen: 47.227 ug/l

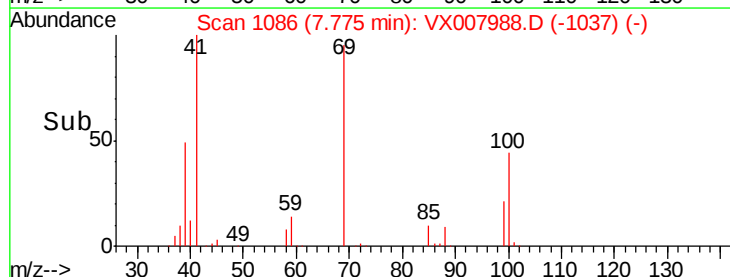
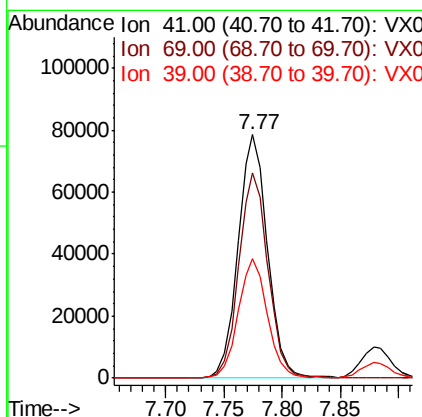
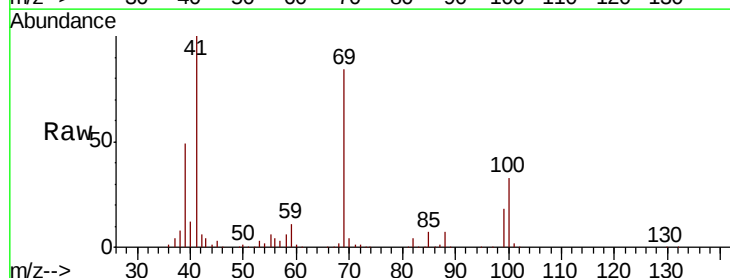
RT: 7.77 min Scan# 1086

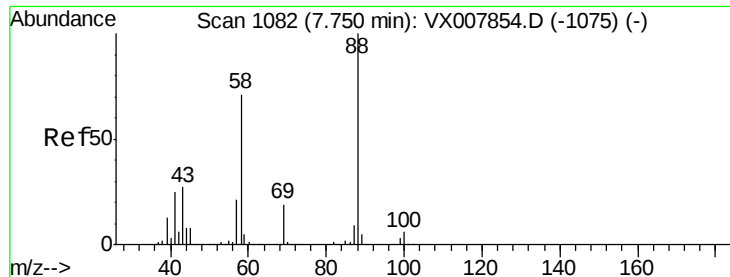
Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Tgt Ion:	41	Resp:	138030
Ion Ratio	Lower	Upper	
41	100		
69	84.3	65.2	97.8
39	49.0	39.4	59.2





#49

1,4-Dioxane

Concen: 979.236 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Instrument :

MSVOA_X

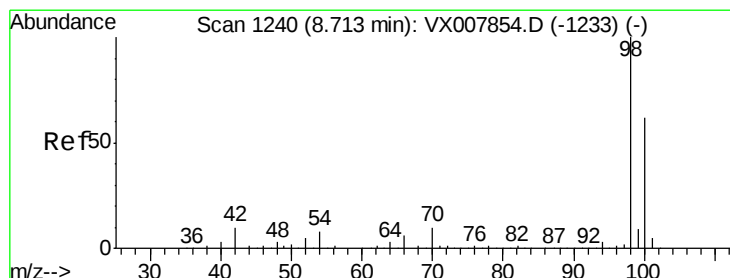
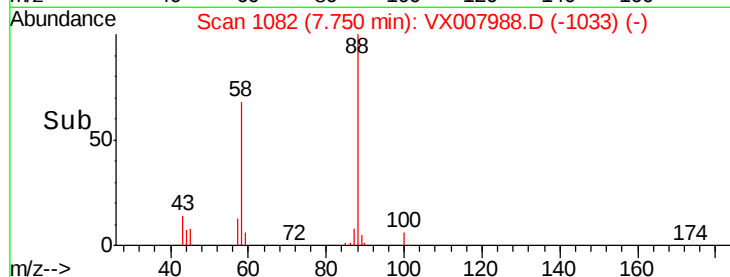
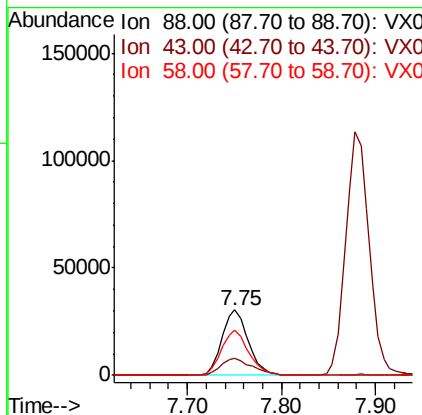
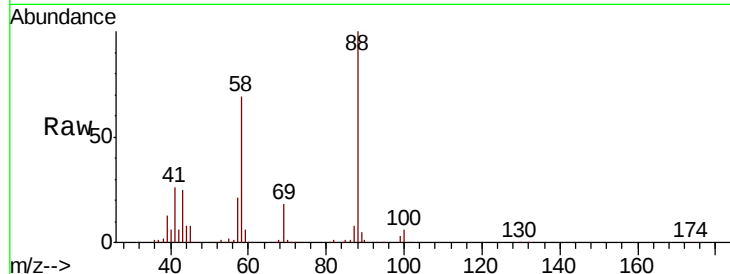
ClientSampleId :

RE122D2-20190308MS

Tgt Ion:	88	Resp:	58792
Ion	Ratio	Lower	Upper
88	100		
43	30.9	25.1	37.7
58	71.8	57.8	86.6

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#50

Toluene-d8

Concen: 49.699 ug/l

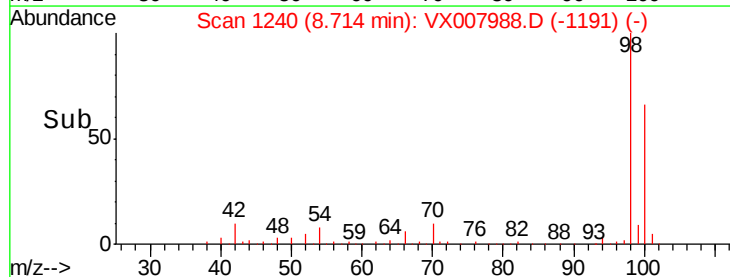
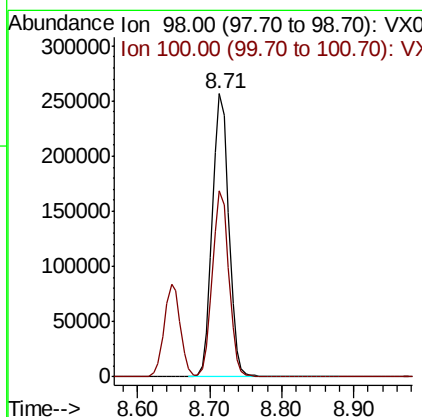
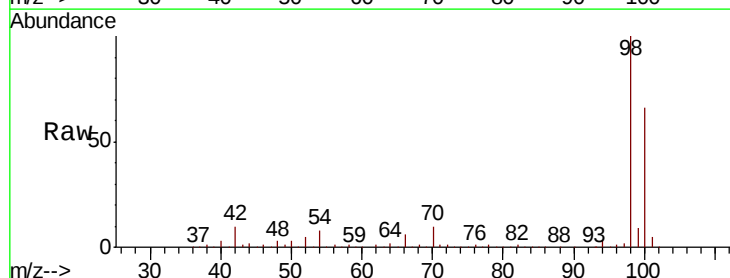
RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Tgt Ion:	98	Resp:	408125
Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.7	77.5





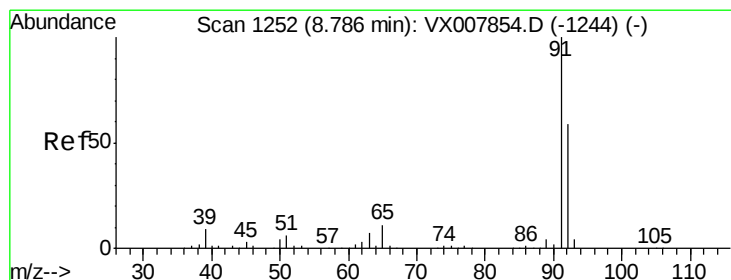
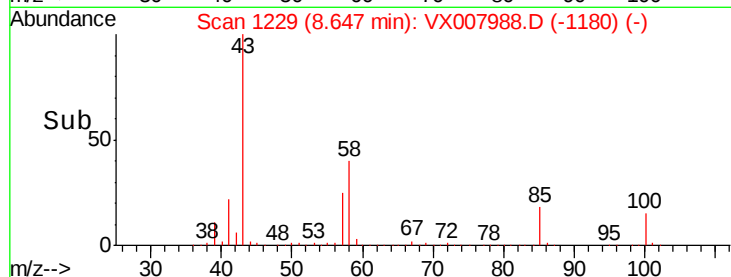
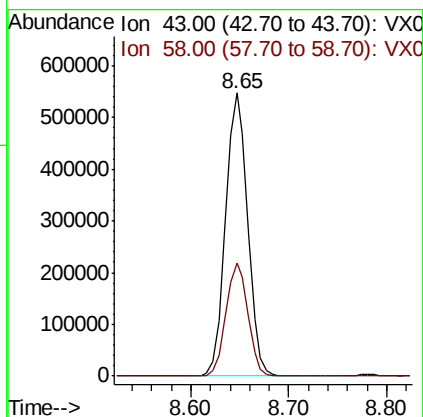
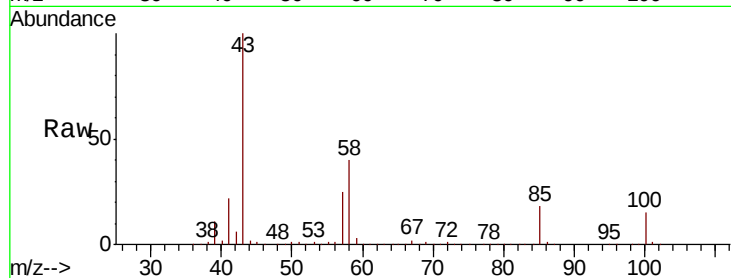
#51
 4-Methyl-2-Pentanone
 Concen: 239.682 ug/l
 RT: 8.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VX007988.D
 Acq: 11 Mar 2019 23:23

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-20190308MS

Tgt Ion: 43 Resp: 856866
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.3 46.9

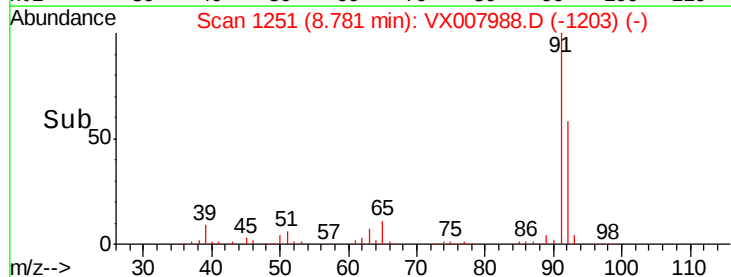
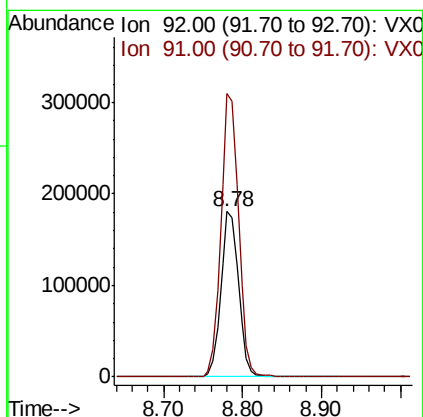
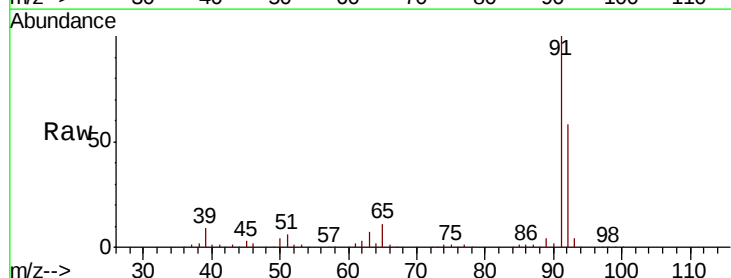
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#52
 Toluene
 Concen: 48.896 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. -0.01 min
 Lab File: VX007988.D
 Acq: 11 Mar 2019 23:23

Tgt Ion: 92 Resp: 281300
 Ion Ratio Lower Upper
 92 100
 91 172.3 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 50.197 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20190308MS

Tgt Ion: 75 Resp: 156456

Ion Ratio Lower Upper

75 100

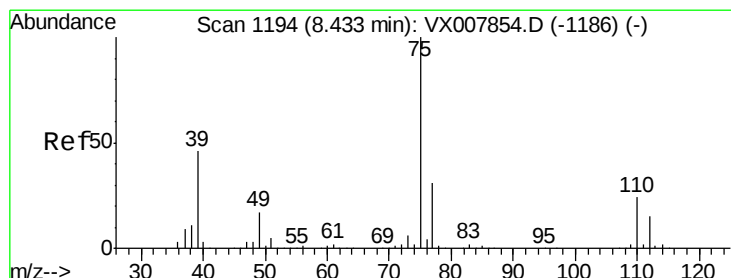
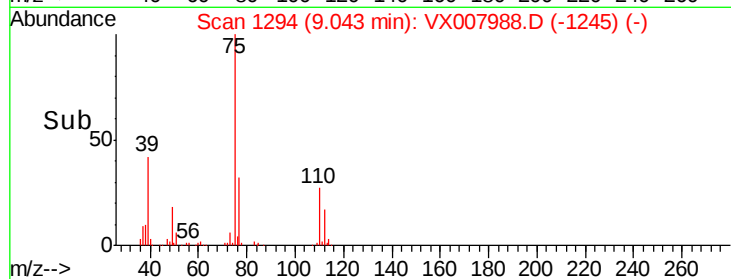
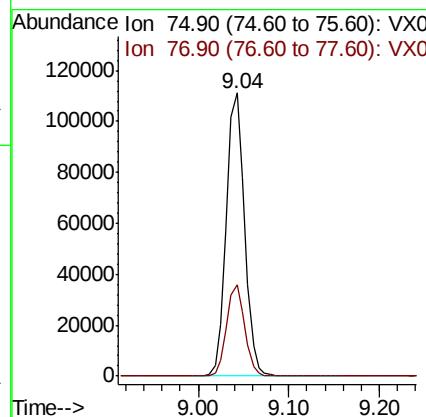
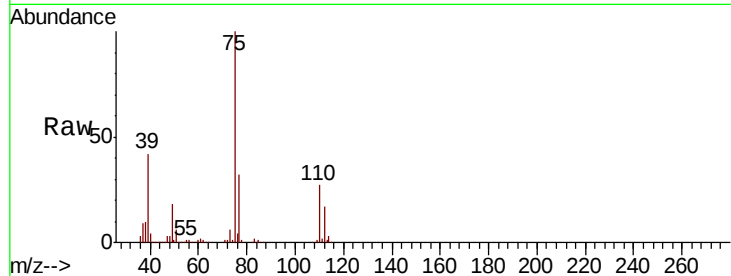
77 32.2 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 48.706 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

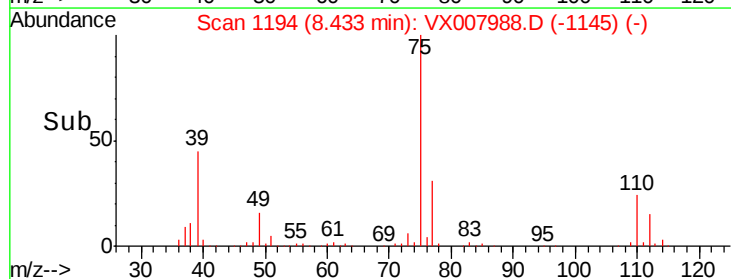
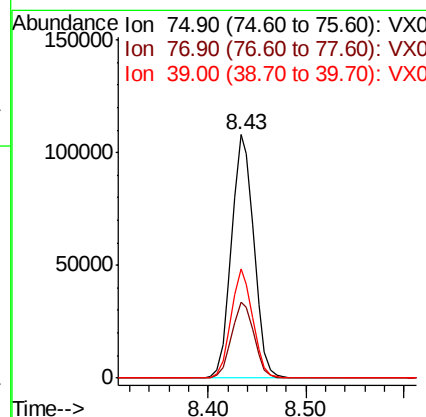
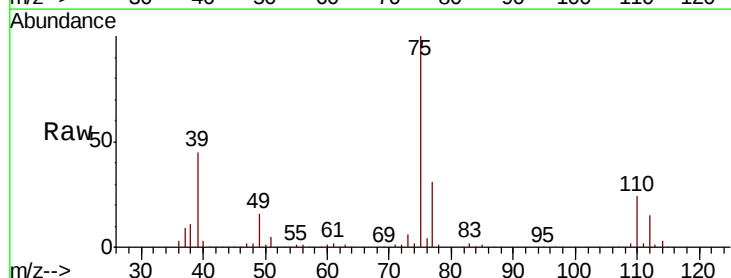
Tgt Ion: 75 Resp: 171429

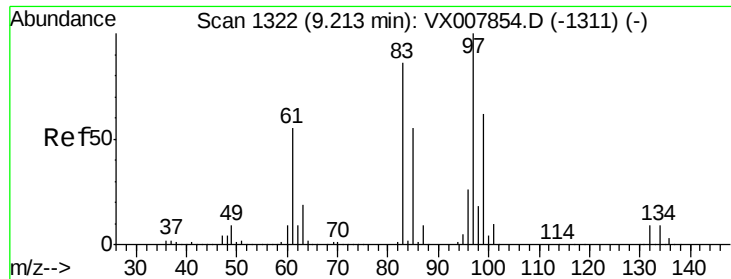
Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.6

39 44.8 36.6 54.8





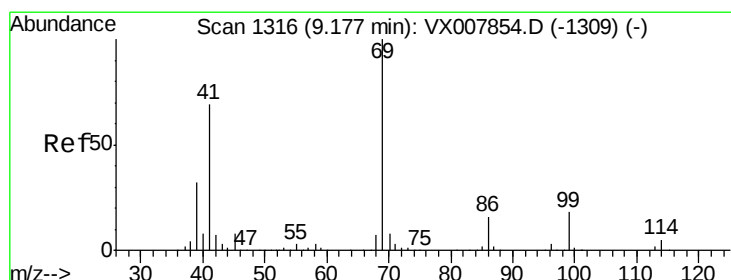
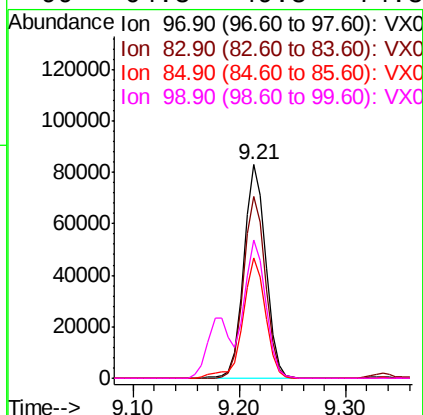
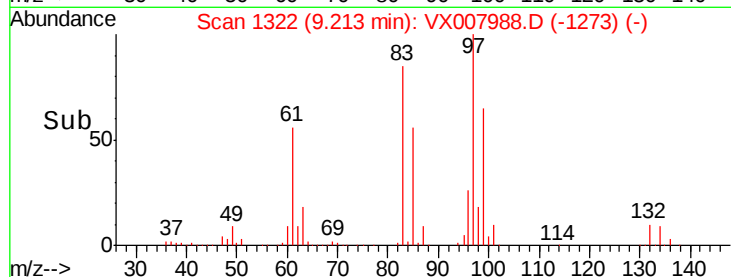
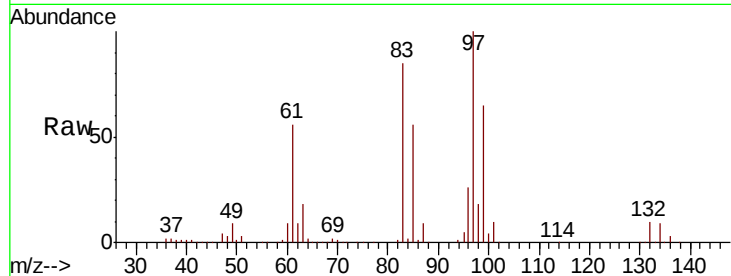
#55
 1,1,2-Trichloroethane
 Concen: 51.744 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007988.D
 Acq: 11 Mar 2019 23:23

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-20190308MS

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	120505		
83	85.3	69.1	103.7	
85	56.5	44.3	66.5	
99	64.8	49.8	74.8	

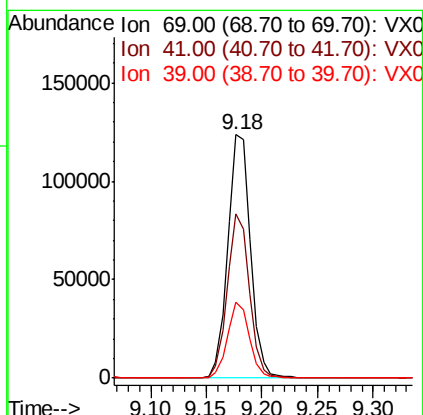
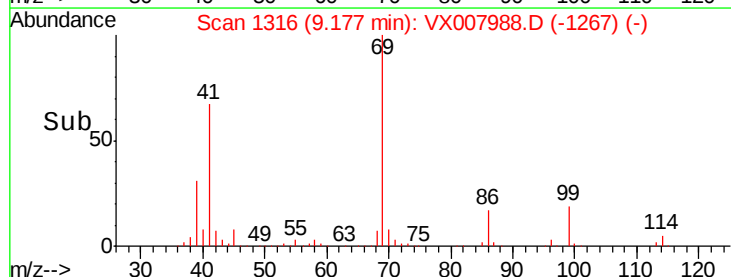
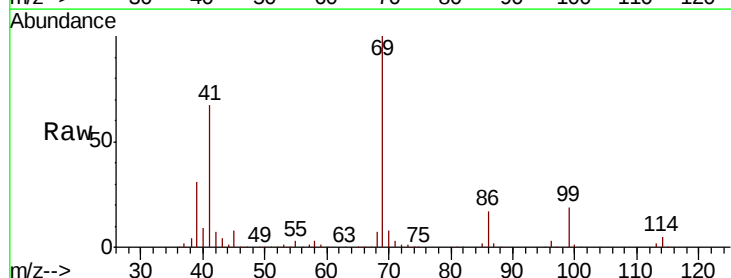
Manual Integrations
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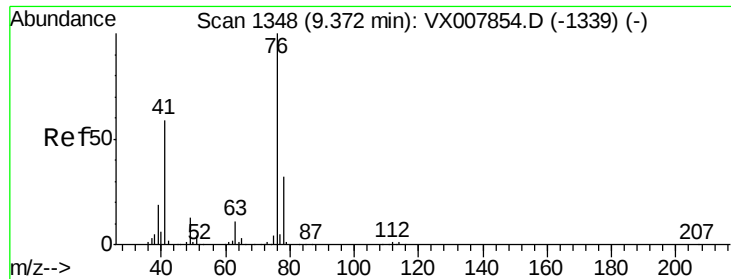
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#56
 Ethyl methacrylate
 Concen: 49.955 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007988.D
 Acq: 11 Mar 2019 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	174678		
41	65.8	54.2	81.4	
39	30.1	25.0	37.4	





#57

1,3-Dichloropropane

Concen: 49.062 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20190308MS

Tgt Ion: 76 Resp: 191849

Ion Ratio Lower Upper

76 100

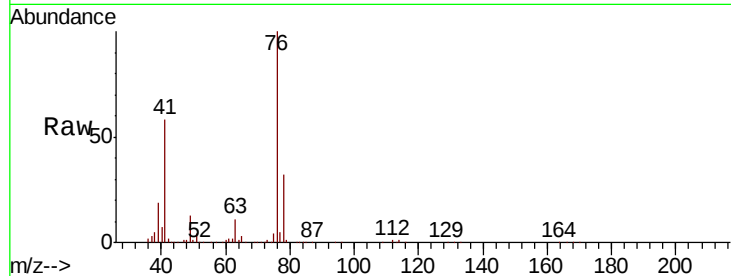
78 32.0 25.5 38.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

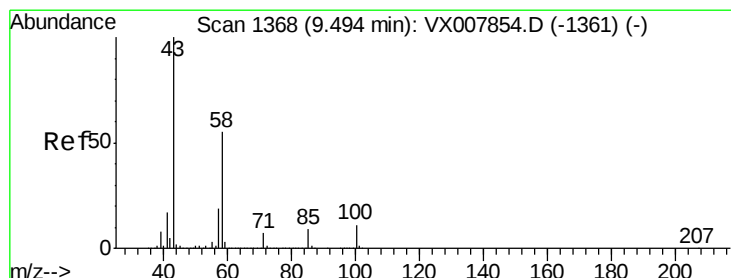
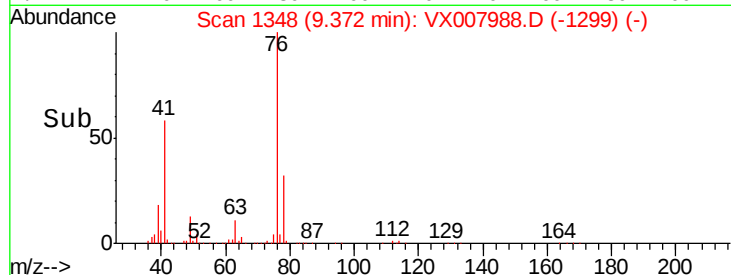
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 231.169 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VX007988.D

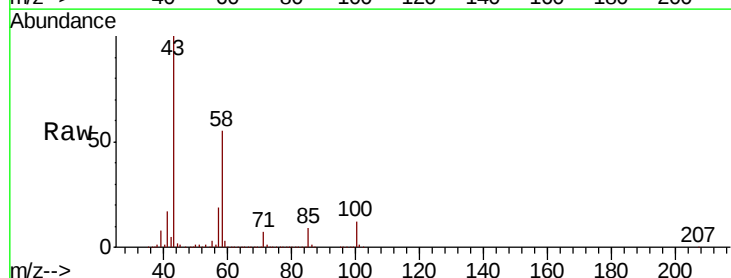
Acq: 11 Mar 2019 23:23

Tgt Ion: 43 Resp: 641626

Ion Ratio Lower Upper

43 100

58 56.0 27.6 82.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.49

500000

400000

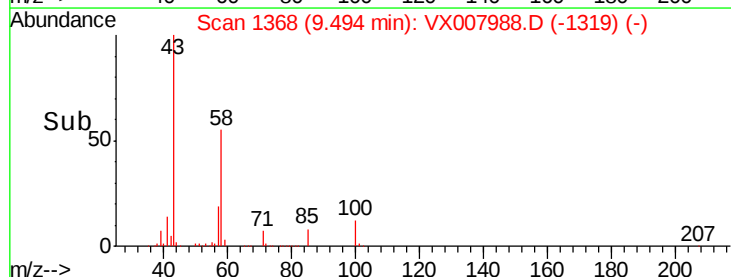
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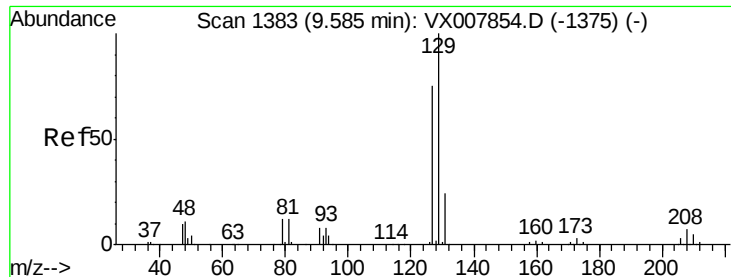
200000

100000

0

Time-->





#60

Dibromochloromethane

Concen: 50.443 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.01 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20190308MS

Tgt Ion:129 Resp: 122791

Ion Ratio Lower Upper

129 100

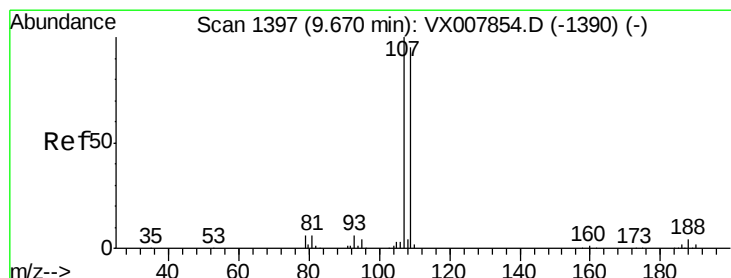
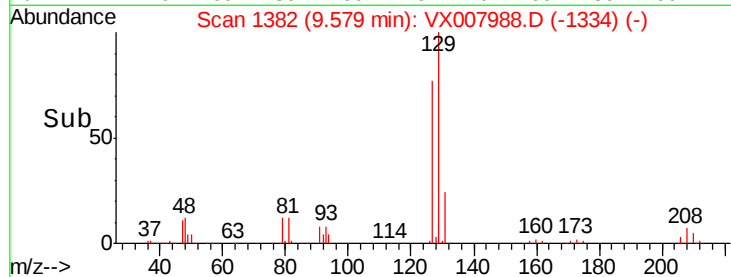
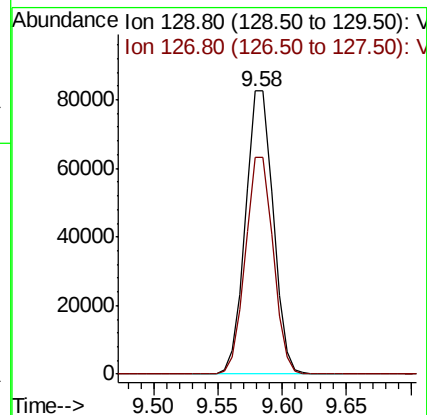
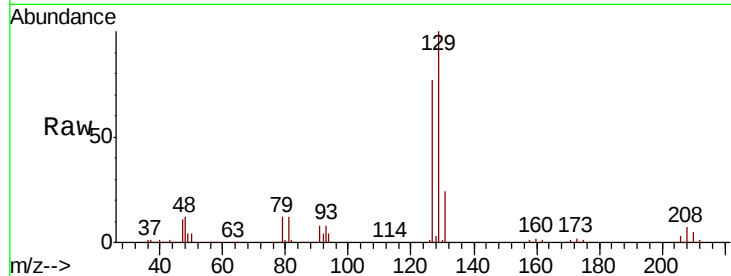
127 76.7 38.3 114.8

Manual Integrations

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#61

1,2-Dibromoethane

Concen: 49.643 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007988.D

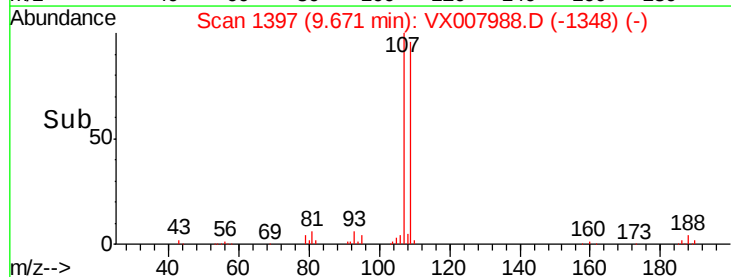
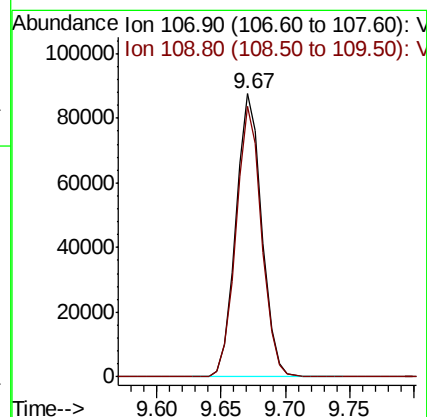
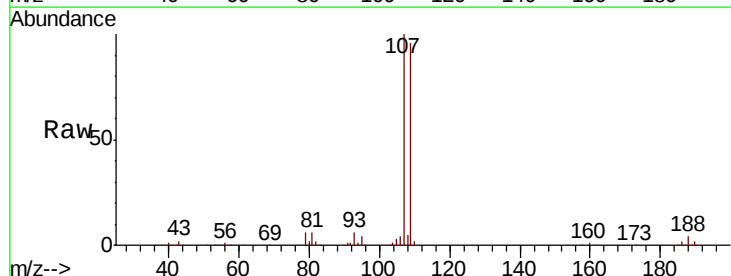
Acq: 11 Mar 2019 23:23

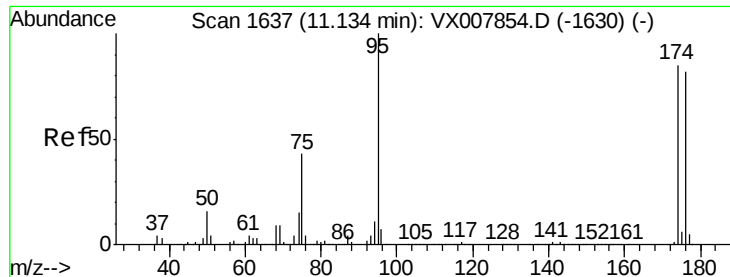
Tgt Ion:107 Resp: 122748

Ion Ratio Lower Upper

107 100

109 94.6 75.8 113.8





#62

4-Bromofluorobenzene

Concen: 50.499 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20190308MS

Tgt Ion: 95 Resp: 145395

Ion Ratio Lower Upper

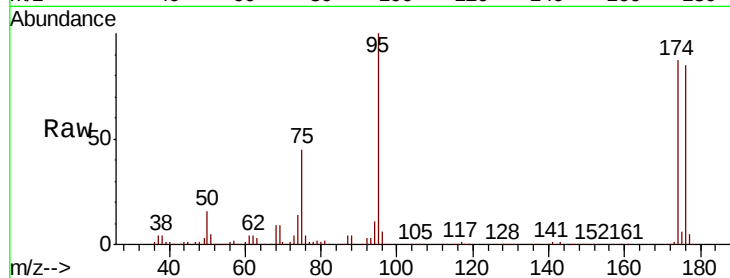
95 100

174 93.1 0.0 182.8

176 90.7 0.0 178.0

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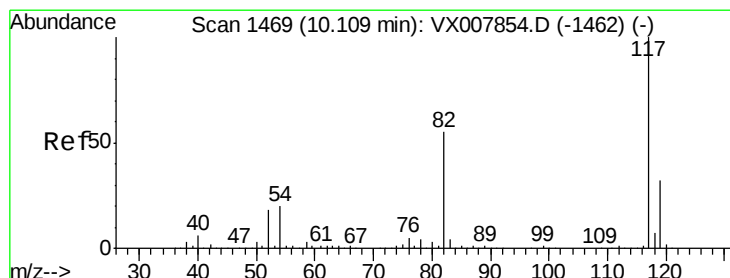
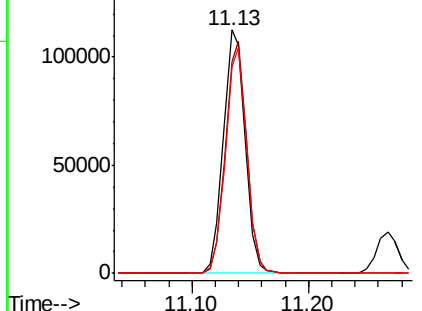
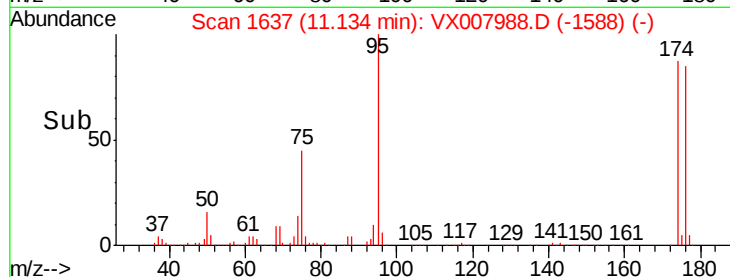
MMDadoda
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Abundance Ion 94.90 (94.60 to 95.60): VX007988.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX007988.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX007988.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

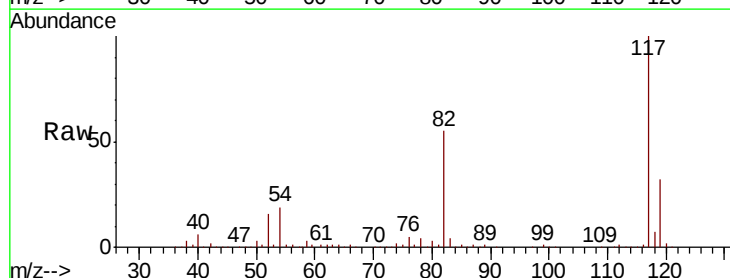
Tgt Ion: 117 Resp: 306463

Ion Ratio Lower Upper

117 100

82 54.7 44.3 66.5

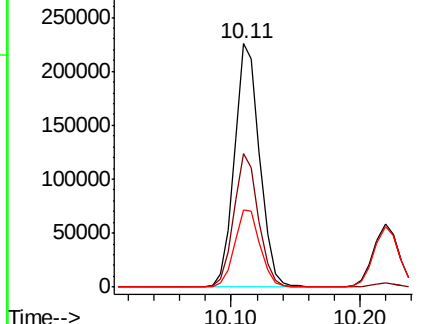
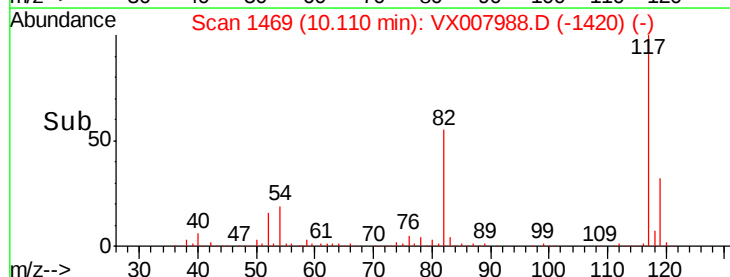
119 31.7 25.3 37.9

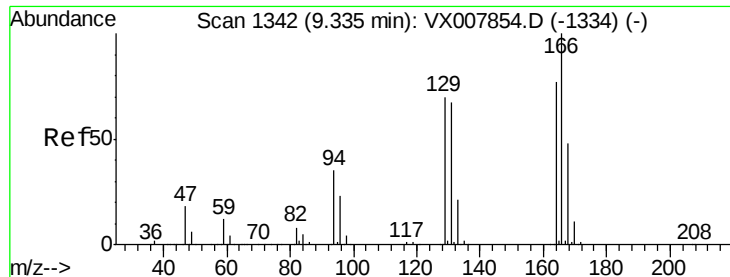


Abundance Ion 116.90 (116.60 to 117.60): VX007988.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX007988.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX007988.D (-1420) (-)





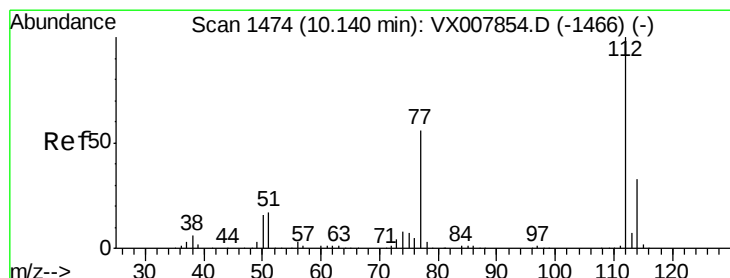
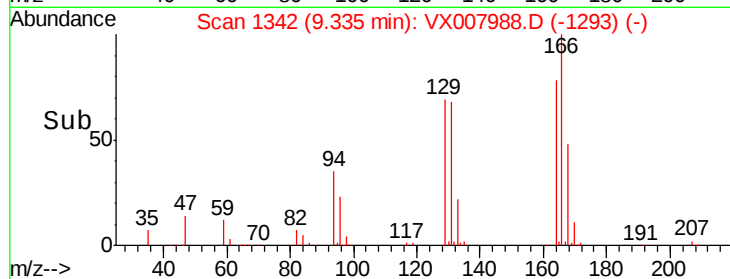
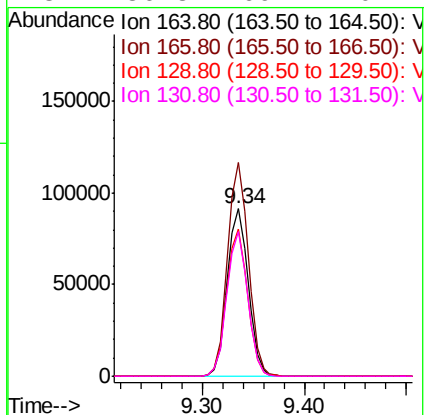
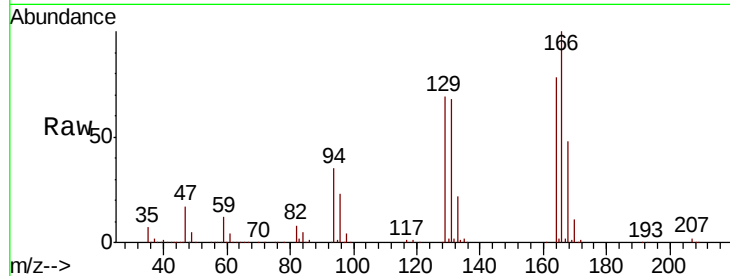
#64
Tetrachloroethene
Concen: 51.500 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007988.D
Acq: 11 Mar 2019 23:23

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MS

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	127.7	130791	103.4	155.0
129	88.3		72.2	108.4
131	86.3		69.4	104.2

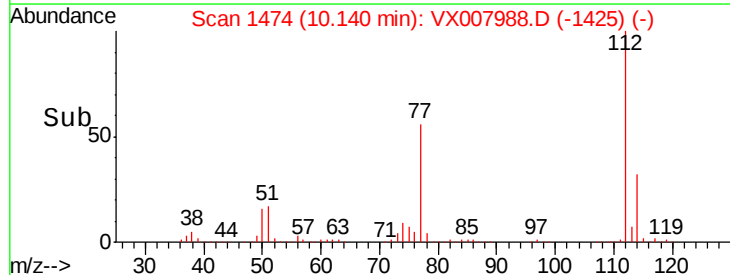
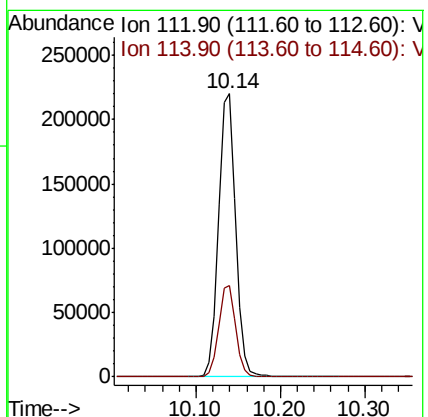
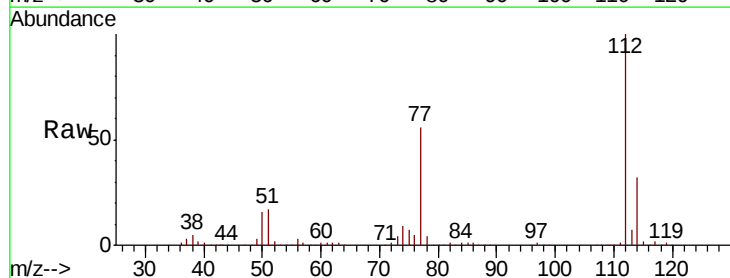
Manual Integrations
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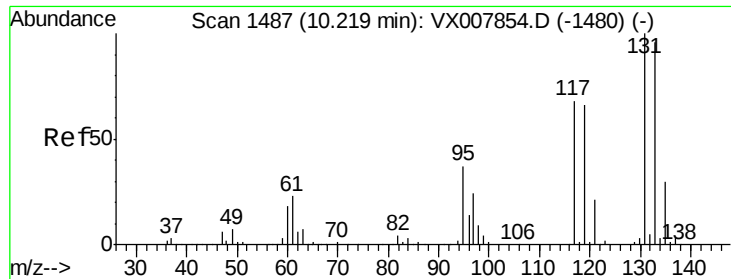
MMDadoda
3/12/2019 2:20:48 PM



#65
Chlorobenzene
Concen: 48.432 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX007988.D
Acq: 11 Mar 2019 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	310593		
114	32.5		26.0	39.0





#66

1,1,1,2-Tetrachloroethane

Concen: 50.489 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Instrument :

MSVOA_X

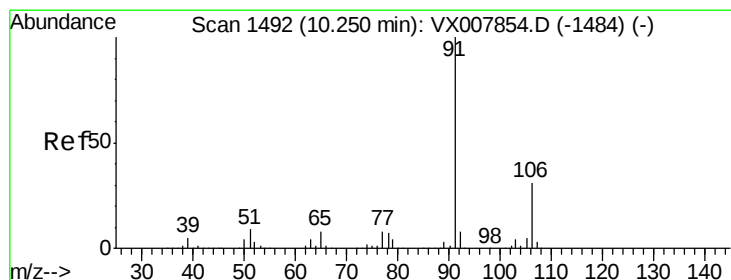
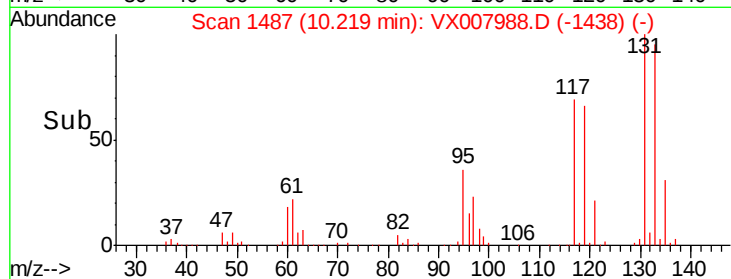
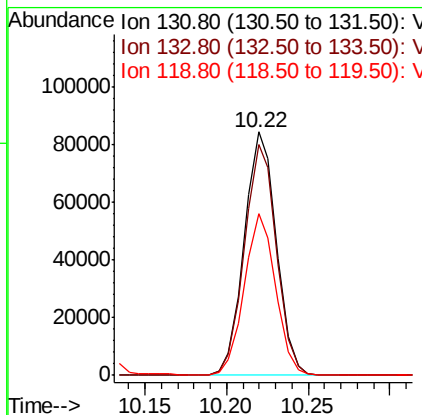
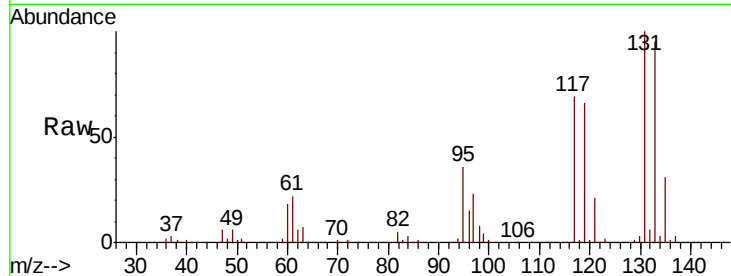
ClientSampleId :

RE122D2-20190308MS

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	116044		
133	94.2	47.8	143.3	
119	64.7	32.5	97.5	

Manual Integrations
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#67

Ethyl Benzene

Concen: 49.152 ug/l

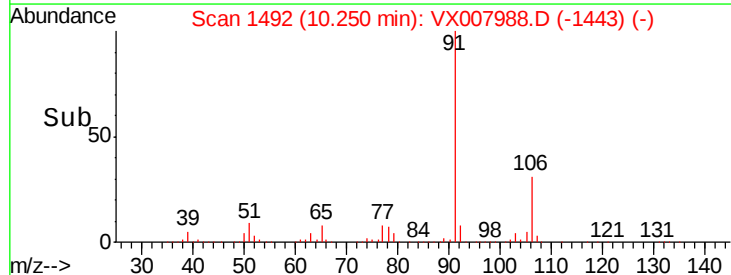
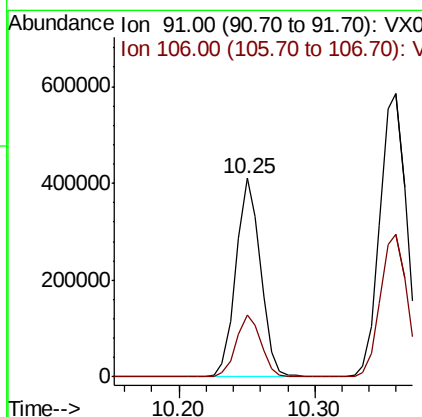
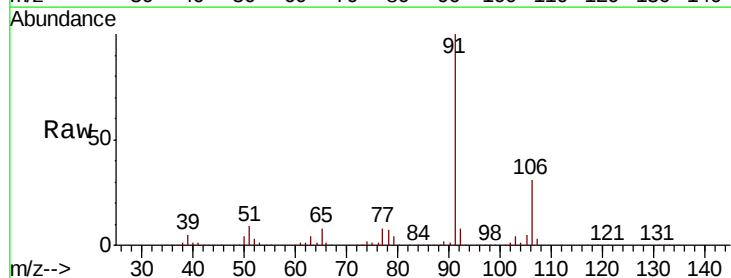
RT: 10.25 min Scan# 1492

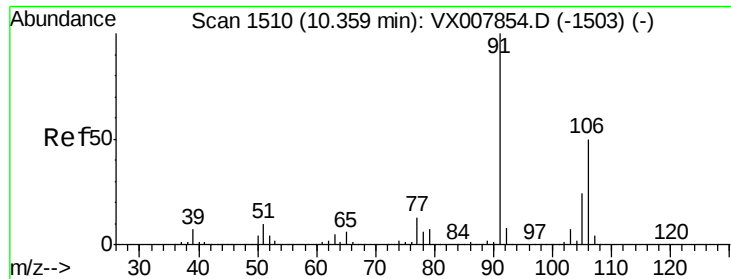
Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	518867		
106	31.3	25.2	37.8	





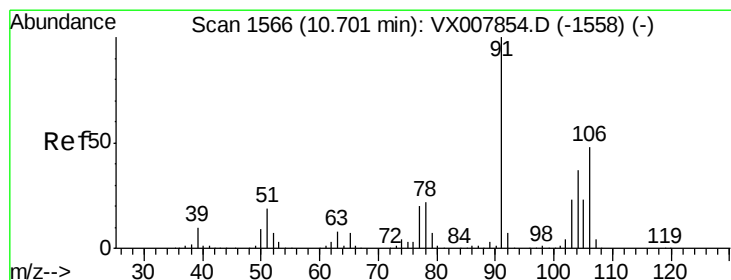
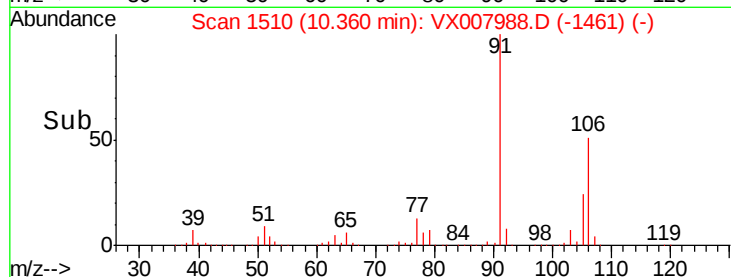
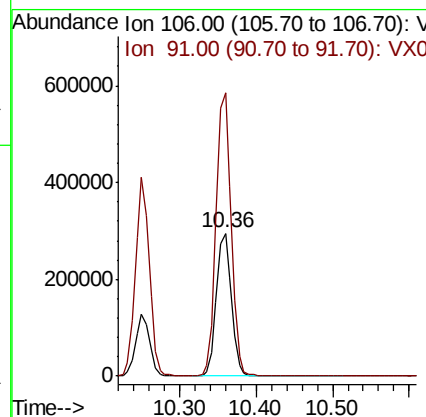
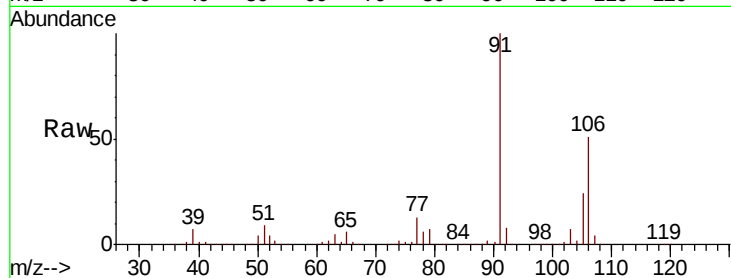
#68
m/p-Xylenes
Concen: 99.162 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007988.D
Acq: 11 Mar 2019 23:23

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MS

Tgt Ion:106 Resp: 403487
Ion Ratio Lower Upper
106 100
91 199.6 159.8 239.6

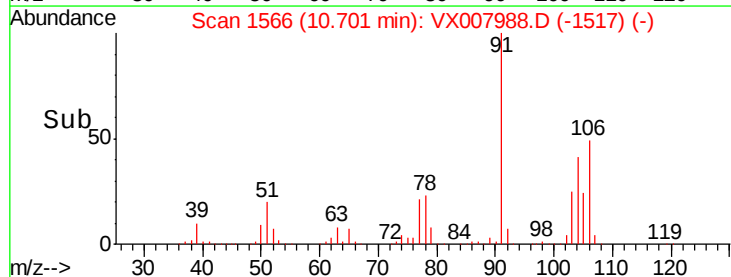
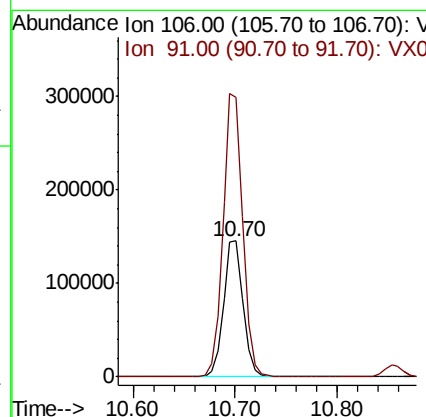
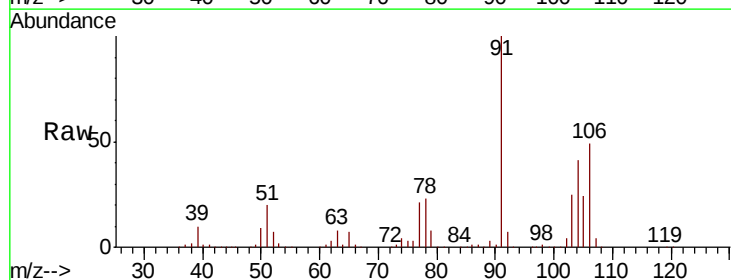
Manual Integrations
APPROVED

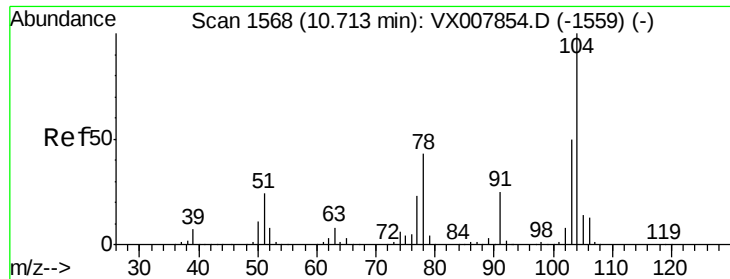
MMDadoda
3/12/2019 2:20:48 PM



#69
o-Xylene
Concen: 49.781 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX007988.D
Acq: 11 Mar 2019 23:23

Tgt Ion:106 Resp: 195557
Ion Ratio Lower Upper
106 100
91 209.5 106.3 318.9





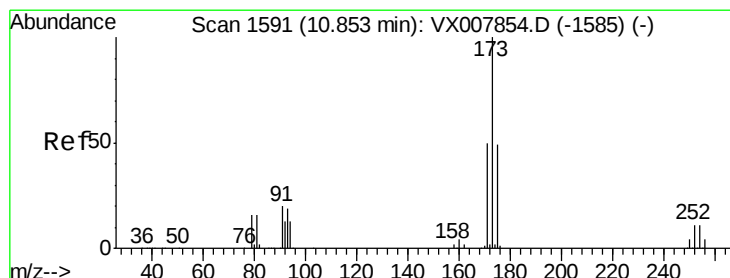
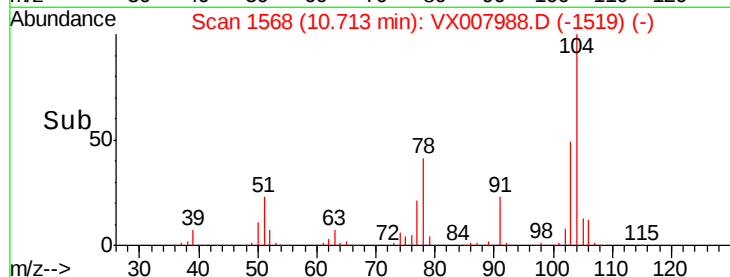
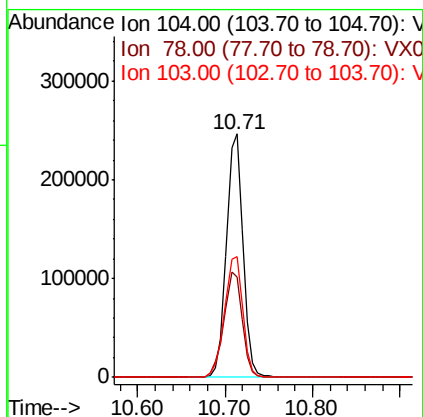
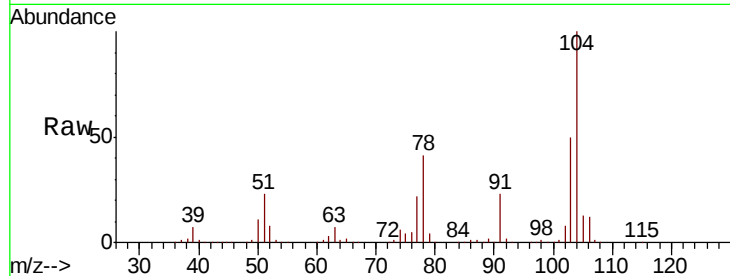
#70
Styrene
Concen: 50.386 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007988.D
Acq: 11 Mar 2019 23:23

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MS

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.0	38.5	57.7
103	54.9	44.1	66.1

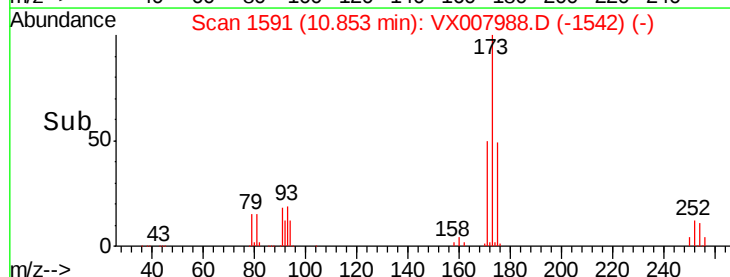
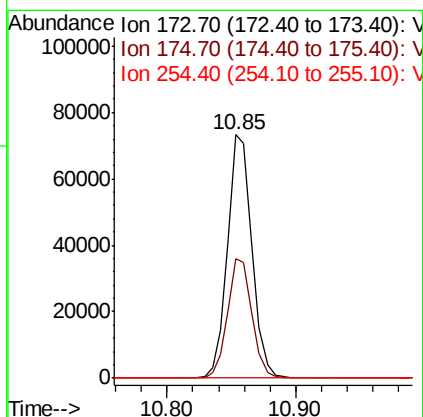
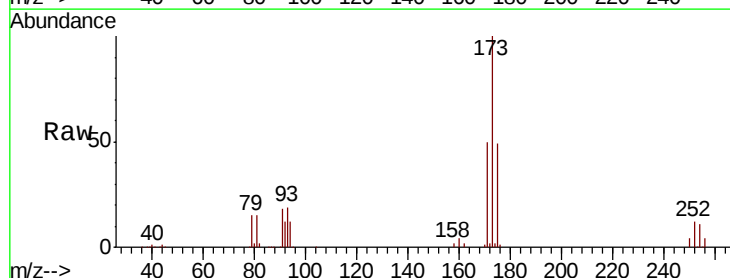
Manual Integrations
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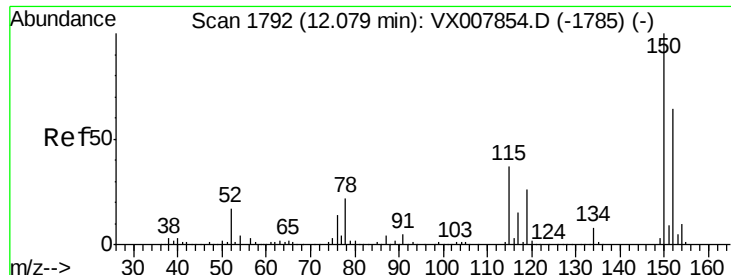
MMDadoda
3/12/2019 2:20:48 PM



#71
Bromoform
Concen: 49.427 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX007988.D
Acq: 11 Mar 2019 23:23

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.9
254	0.2	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Instrument :

MSVOA_X

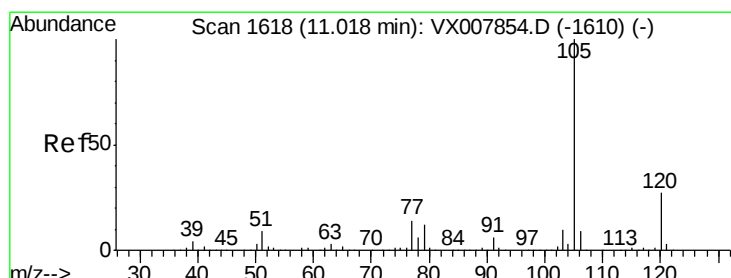
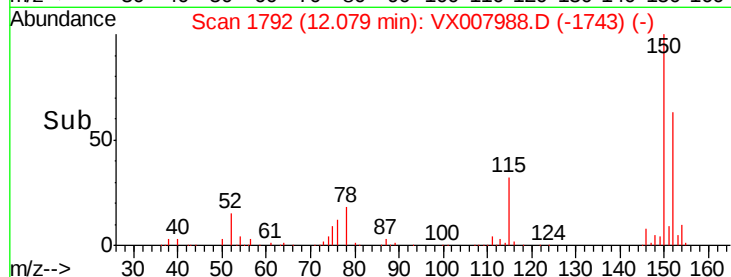
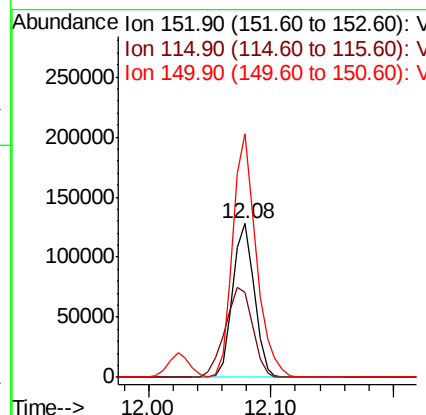
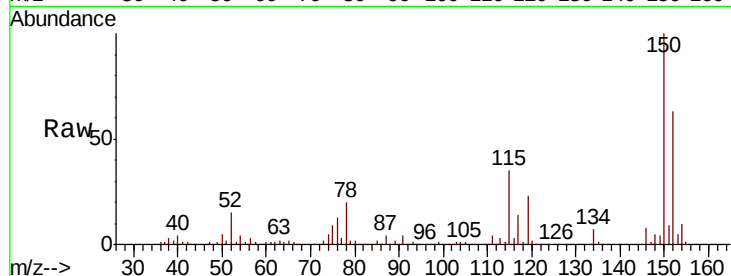
ClientSampleId :

RE122D2-20190308MS

Tgt Ion:	152	Resp:	155654
Ion Ratio	Lower	Upper	
152	100		
115	75.3	38.6	115.7
150	172.5	0.0	348.4

Manual Integrations
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3/12/2019 2:20:48 PM



#73

Isopropylbenzene

Concen: 49.659 ug/l

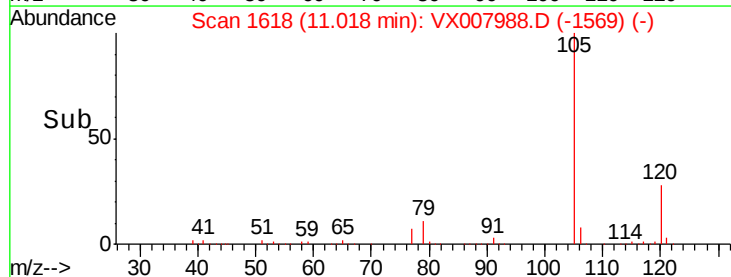
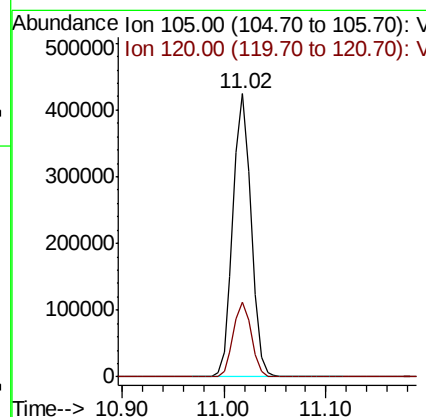
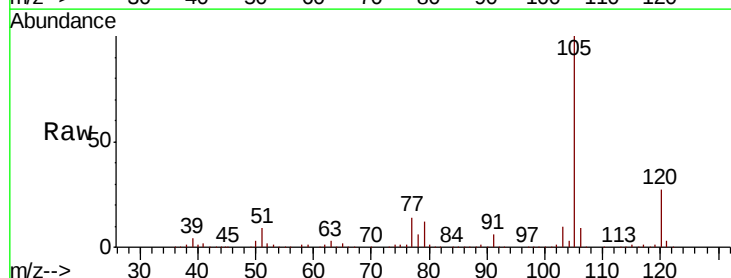
RT: 11.02 min Scan# 1618

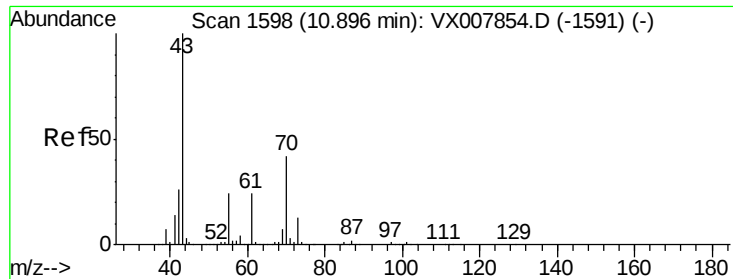
Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Tgt Ion:	105	Resp:	522766
Ion Ratio	Lower	Upper	
105	100		
120	26.6	13.4	40.1





#74

N-ethyl acetate

Concen: 39.578 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Instrument :

MSVOA_X

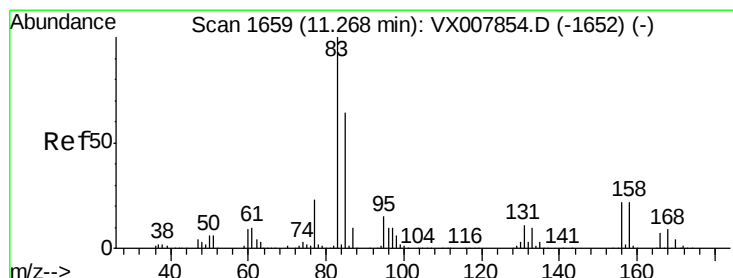
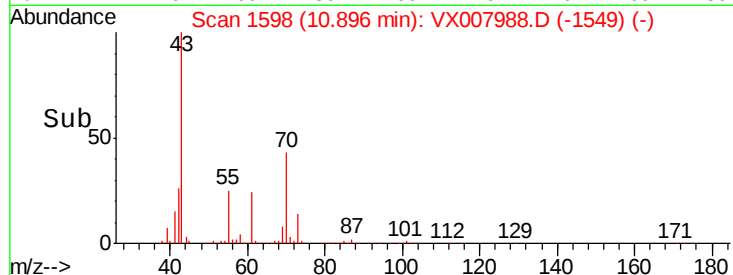
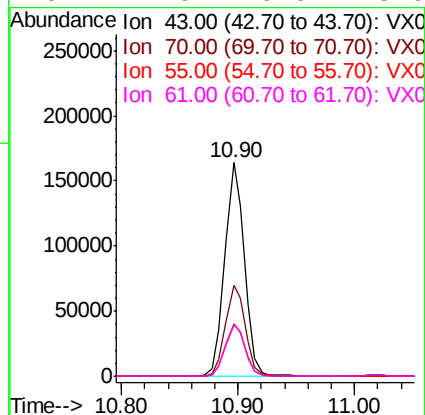
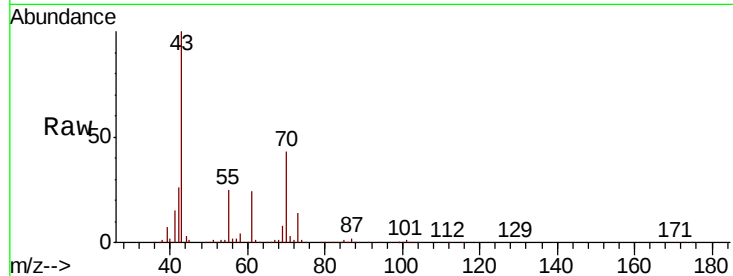
ClientSampleId :

RE122D2-20190308MS

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.5	33.5	50.3
55	25.1	19.2	28.8
61	24.6	19.0	28.6

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 46.463 ug/l

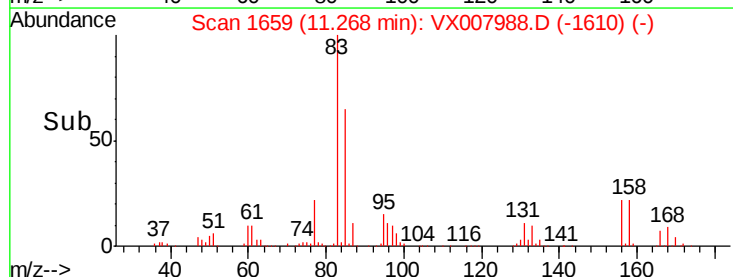
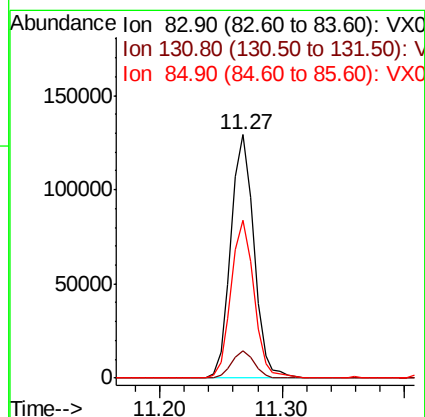
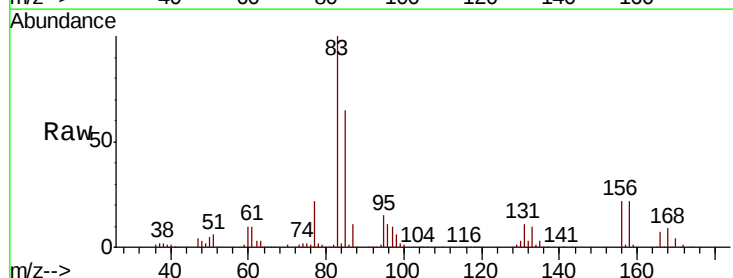
RT: 11.27 min Scan# 1659

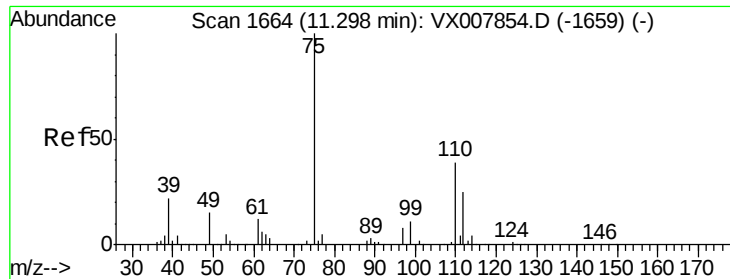
Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.4	16.2
85	64.6	32.3	96.8





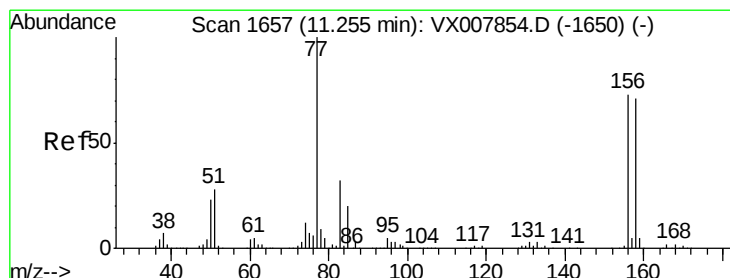
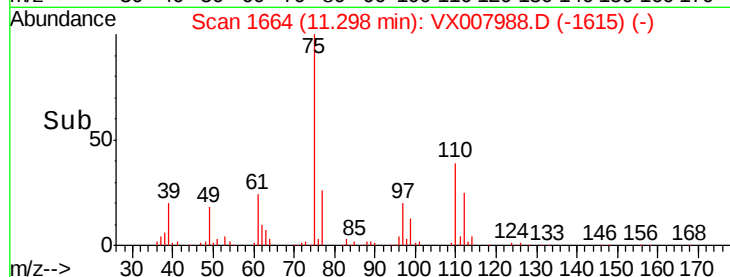
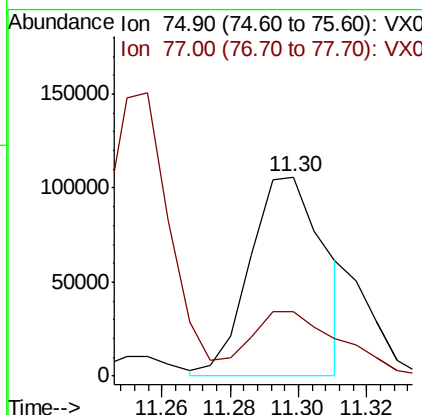
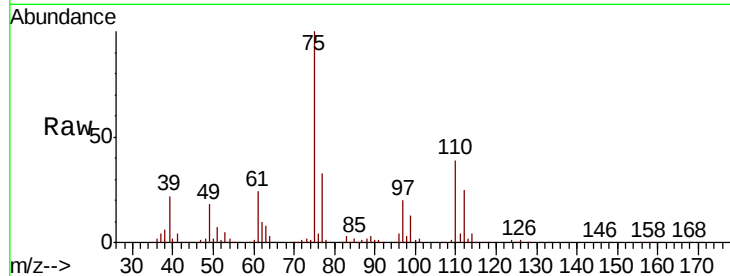
#76
1,2,3-Trichloropropane
Concen: 49.270 ug/l m
RT: 11.30 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VX007988.D
Acq: 11 Mar 2019 23:23

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MS

Tgt Ion: 75 Resp: 160929
Ion Ratio Lower Upper
75 100
77 39.7 18.9 56.7

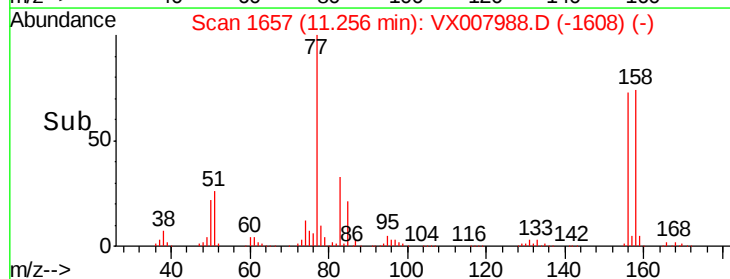
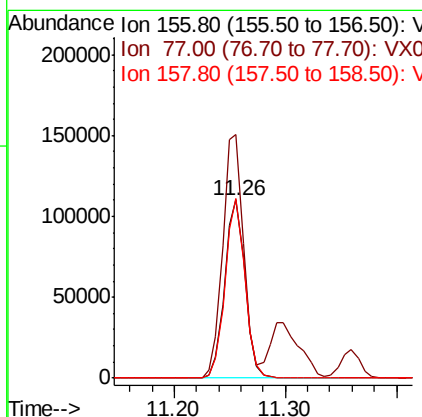
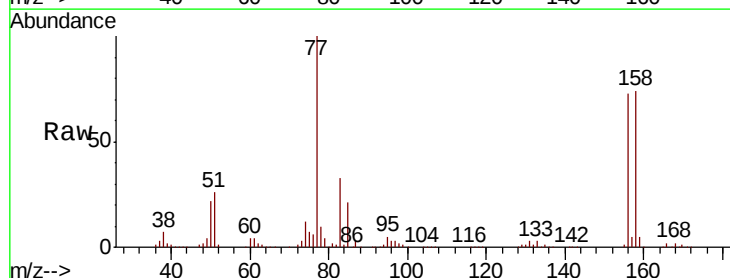
Manual Integrations
APPROVED

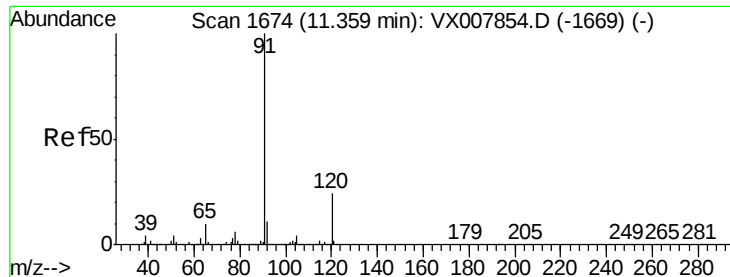
MMDadoda
3/12/2019 2:20:48 PM



#77
Bromobenzene
Concen: 48.224 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX007988.D
Acq: 11 Mar 2019 23:23

Tgt Ion: 156 Resp: 139182
Ion Ratio Lower Upper
156 100
77 140.0 72.0 215.9
158 98.3 48.6 145.9





#78

n-propylbenzene

Concen: 49.287 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20190308MS

Tgt Ion: 91 Resp: 575607

Ion Ratio Lower Upper

91 100

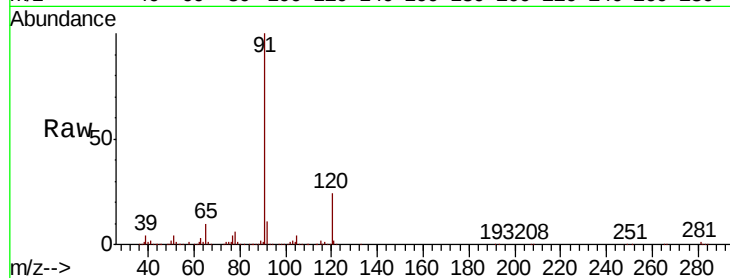
120 24.0 12.0 36.0

Manual Integrations

APPROVED

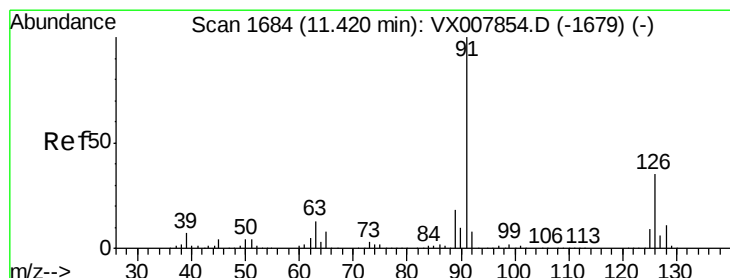
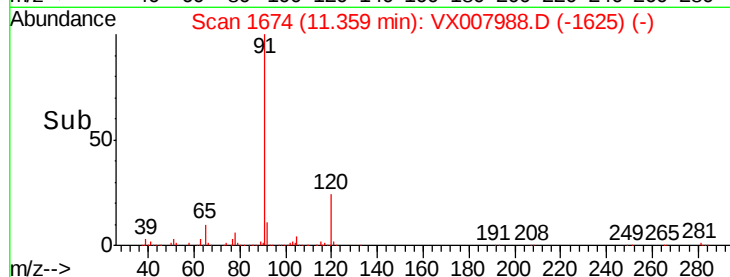
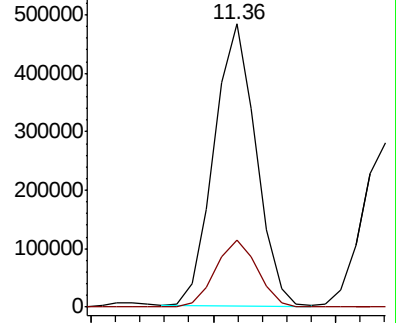
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 48.190 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007988.D

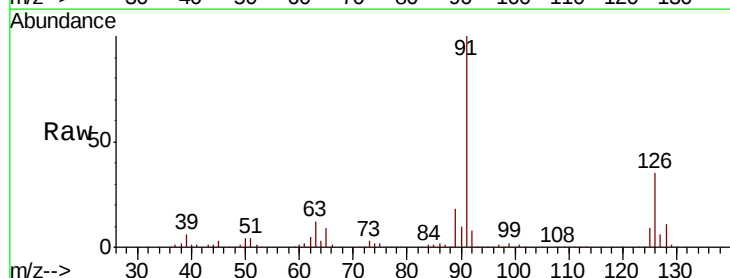
Acq: 11 Mar 2019 23:23

Tgt Ion: 91 Resp: 344108

Ion Ratio Lower Upper

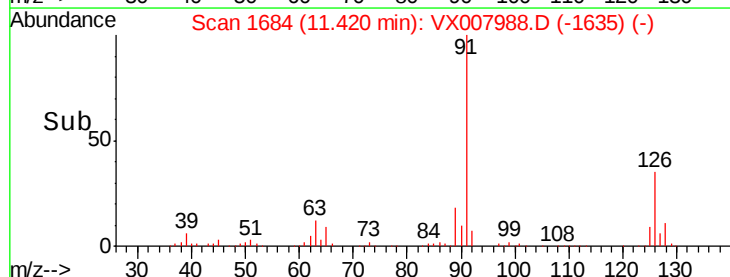
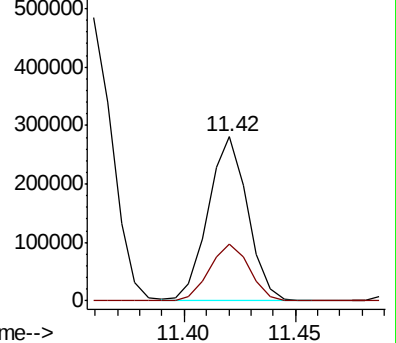
91 100

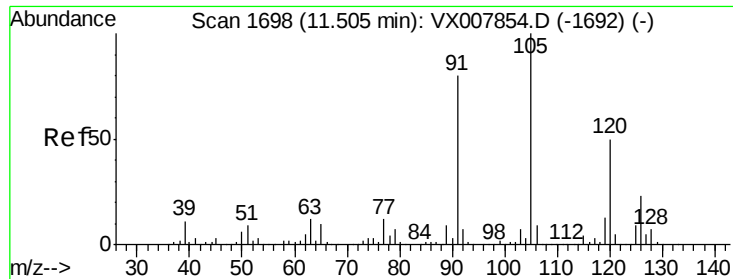
126 35.3 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





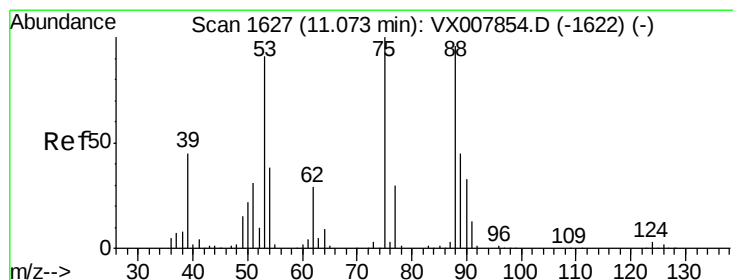
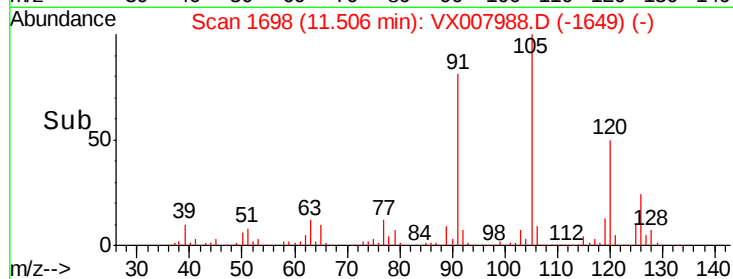
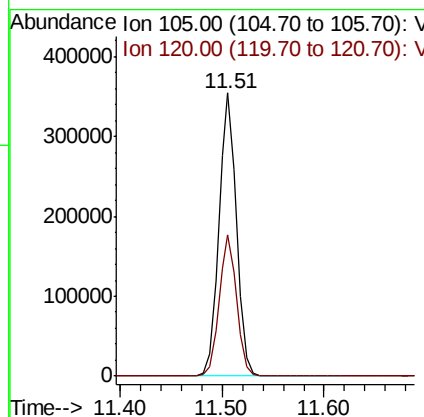
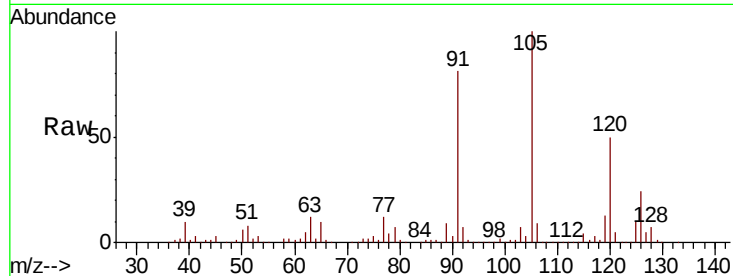
#80
 1,3,5-Trimethylbenzene
 Concen: 49.290 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007988.D
 Acq: 11 Mar 2019 23:23

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-20190308MS

Tgt Ion: 105 Resp: 427070
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.9 74.6

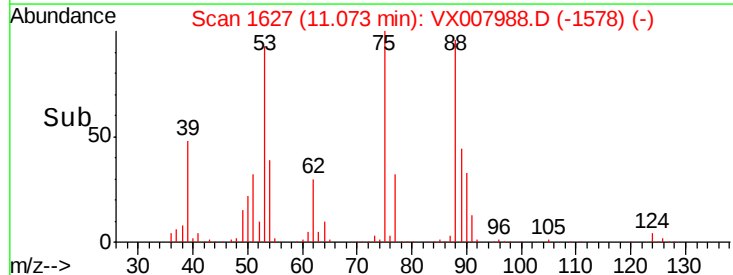
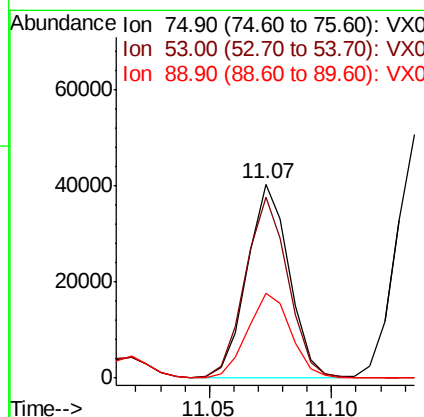
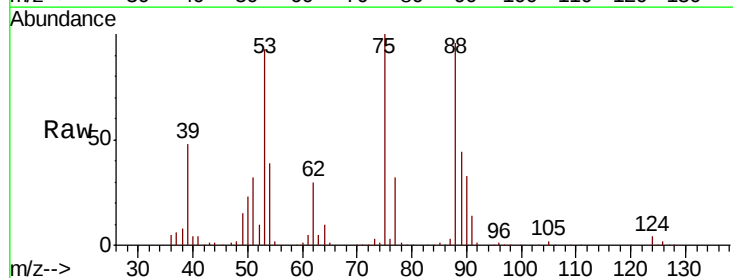
Manual Integrations
 APPROVED

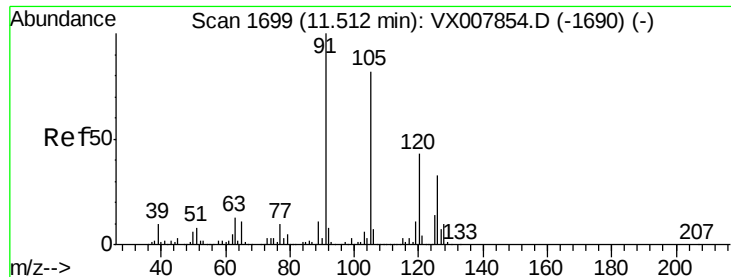
MMDadoda
 3/12/2019 2:20:48 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.951 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX007988.D
 Acq: 11 Mar 2019 23:23

Tgt Ion: 75 Resp: 47976
 Ion Ratio Lower Upper
 75 100
 53 94.5 76.1 114.1
 89 45.6 36.3 54.5





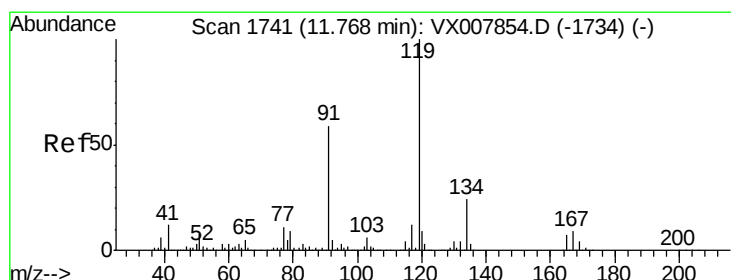
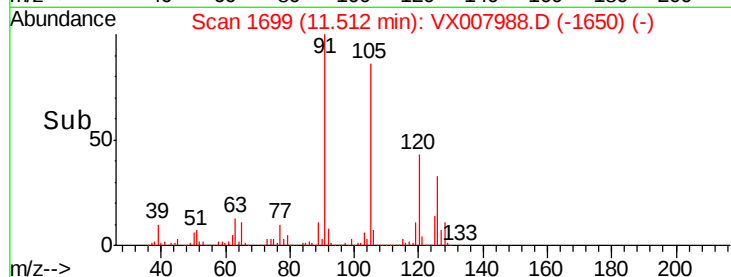
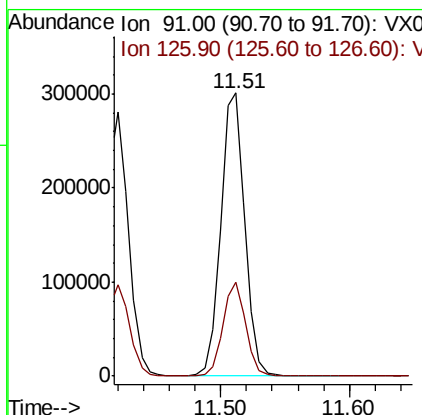
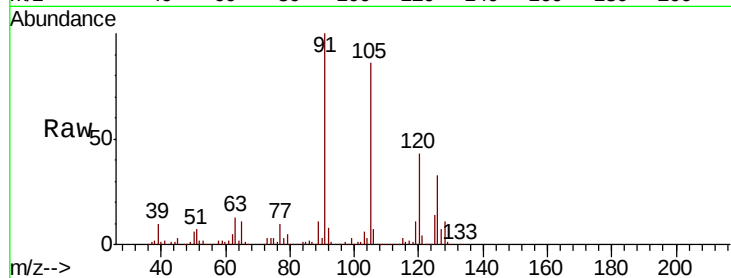
#82
4-Chlorotoluene
Concen: 48.088 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX007988.D
Acq: 11 Mar 2019 23:23

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MS

Tgt Ion: 91 Resp: 393505
Ion Ratio Lower Upper
91 100
126 31.7 15.6 46.8

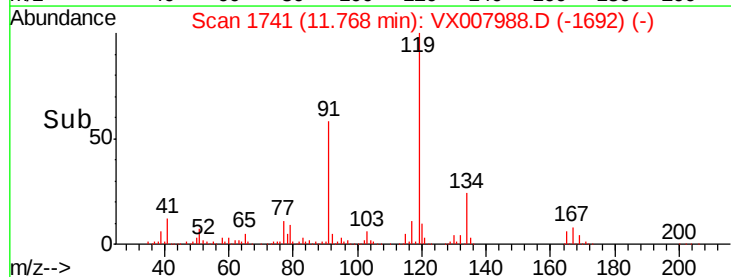
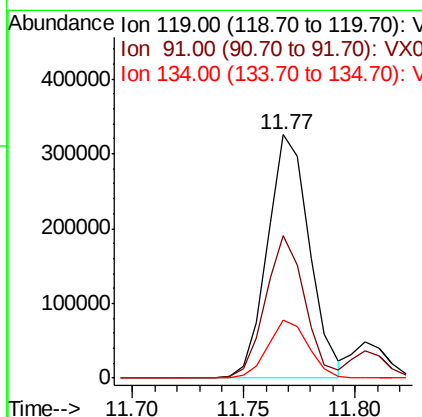
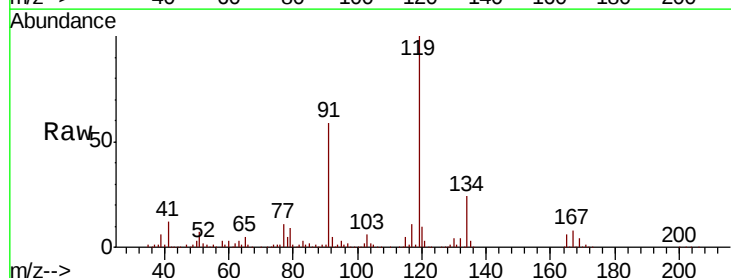
Manual Integrations
APPROVED

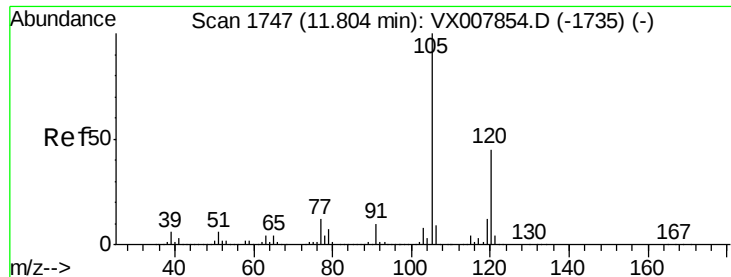
MMDadoda
3/12/2019 2:20:48 PM



#83
tert-Butylbenzene
Concen: 48.834 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX007988.D
Acq: 11 Mar 2019 23:23

Tgt Ion: 119 Resp: 426207
Ion Ratio Lower Upper
119 100
91 55.0 27.1 81.3
134 23.2 11.4 34.1





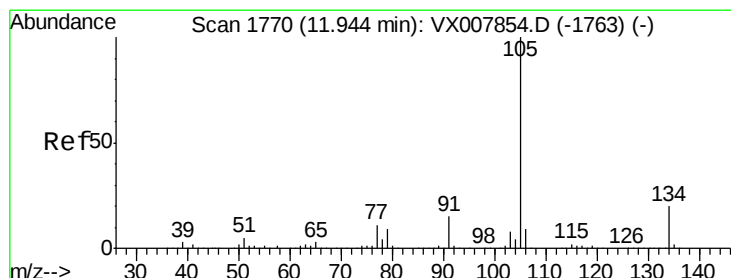
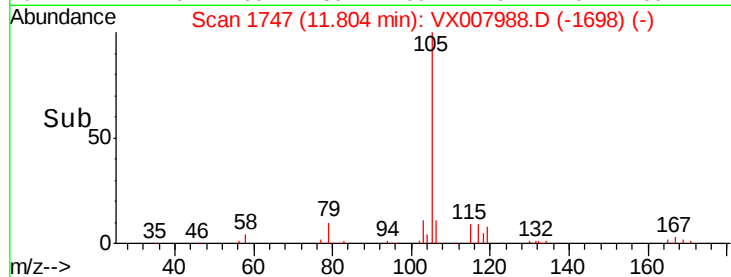
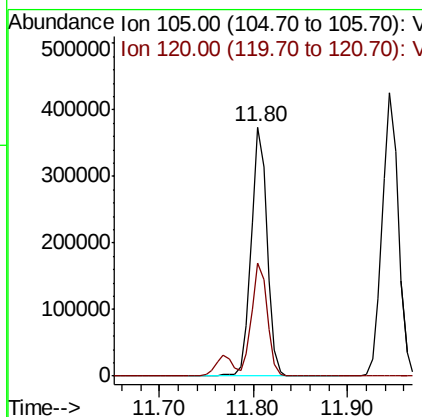
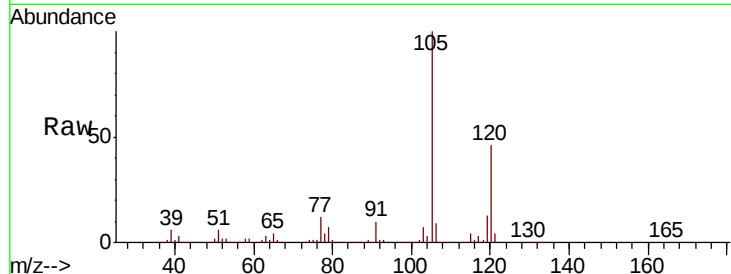
#84
 1,2,4-Trimethylbenzene
 Concen: 49.870 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007988.D
 Acq: 11 Mar 2019 23:23

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-20190308MS

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.6	67.7

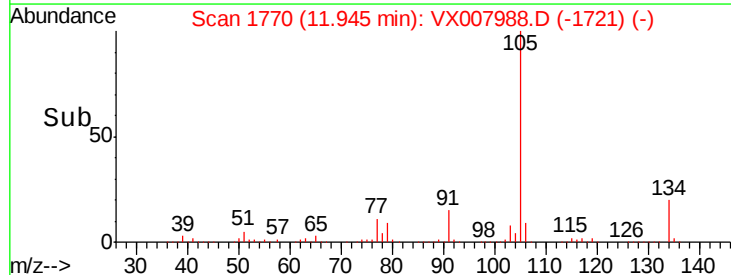
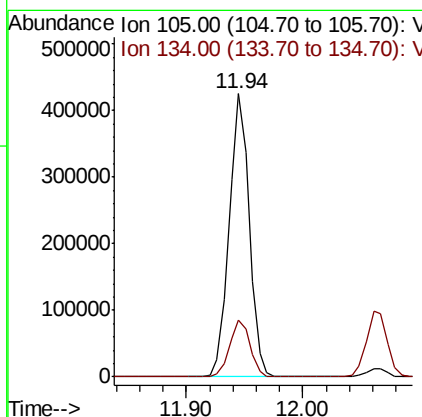
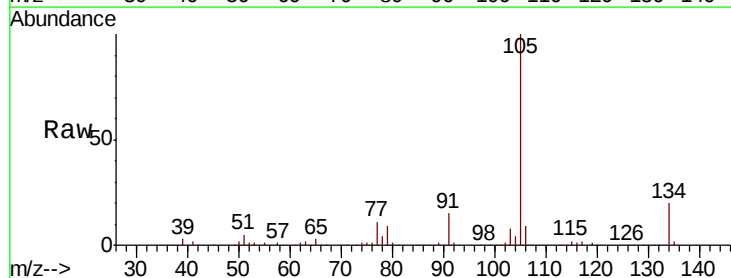
Manual Integrations
 APPROVED

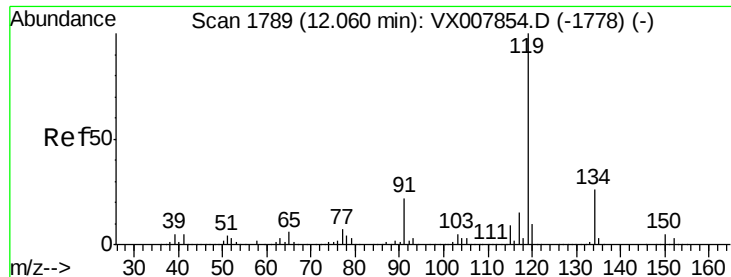
MMDadoda
 3/12/2019 2:20:48 PM



#85
 sec-Butylbenzene
 Concen: 49.510 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX007988.D
 Acq: 11 Mar 2019 23:23

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.4	31.2





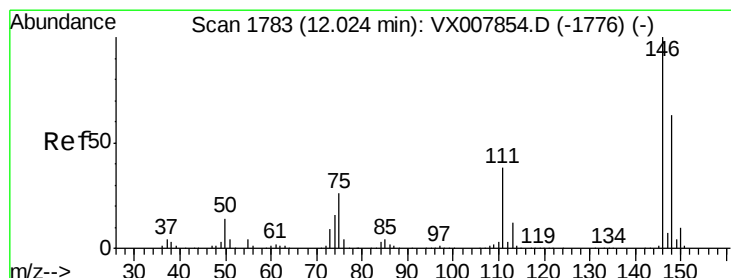
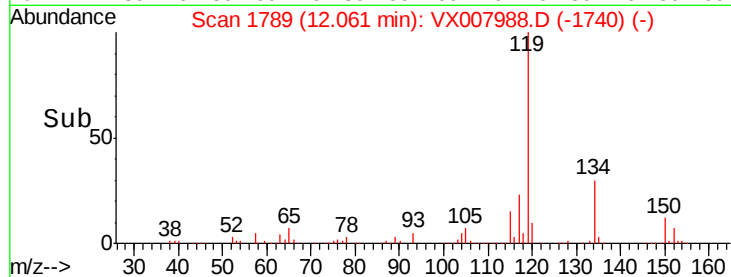
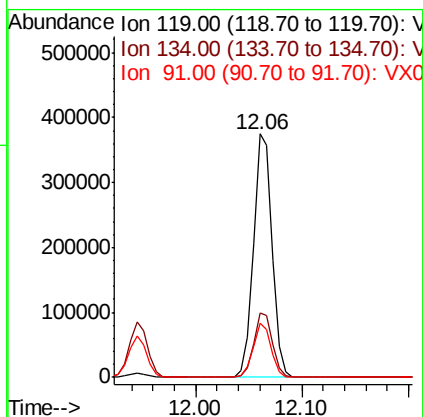
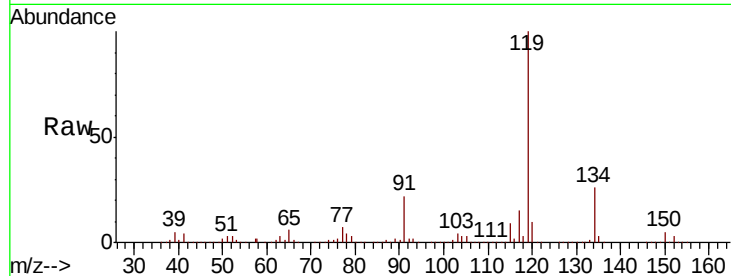
#86
p-Isopropyltoluene
Concen: 49.818 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX007988.D
Acq: 11 Mar 2019 23:23

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MS

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.3	39.9
91	21.7	10.9	32.7

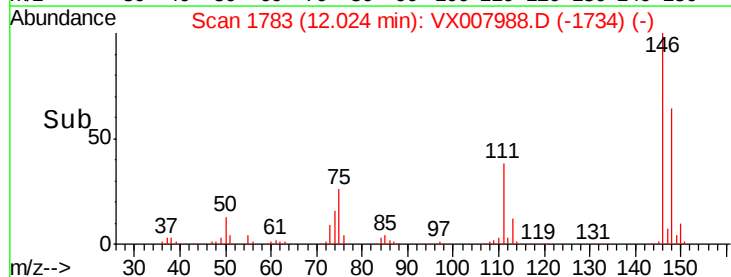
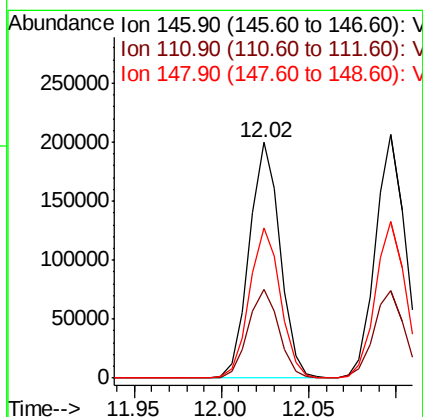
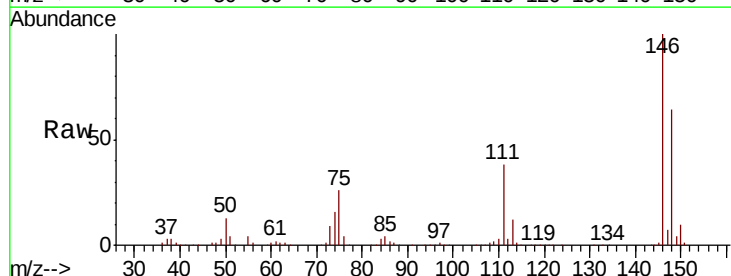
Manual Integrations
APPROVED

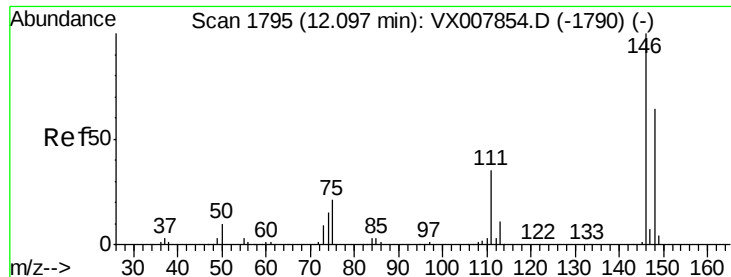
MMDadoda
3/12/2019 2:20:48 PM



#87
1,3-Dichlorobenzene
Concen: 47.953 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VX007988.D
Acq: 11 Mar 2019 23:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.7
148	63.9	31.7	95.1





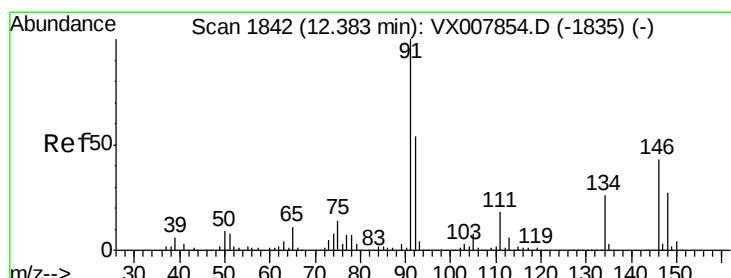
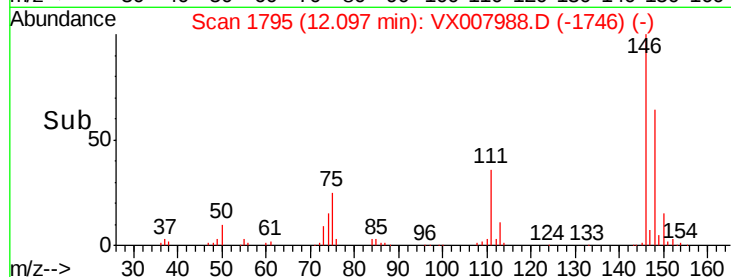
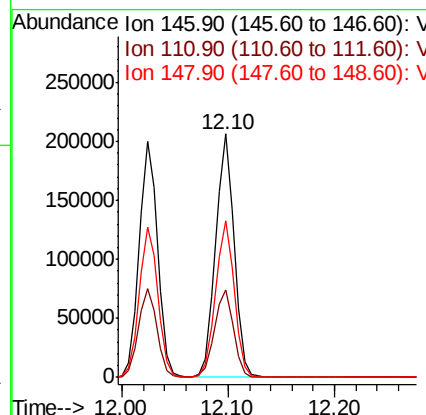
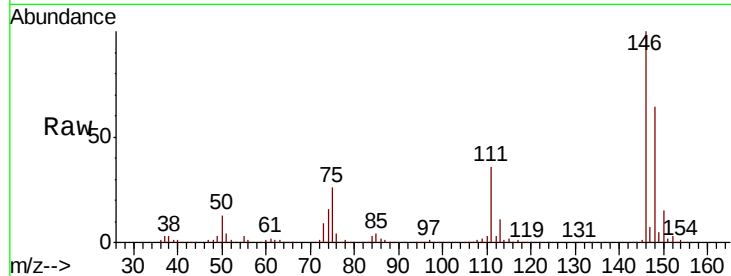
#88
1,4-Dichlorobenzene
Concen: 46.893 ug/l
RT: 12.10 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VX007988.D
Acq: 11 Mar 2019 23:23

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MS

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.4	55.0
148	64.7	32.2	96.6

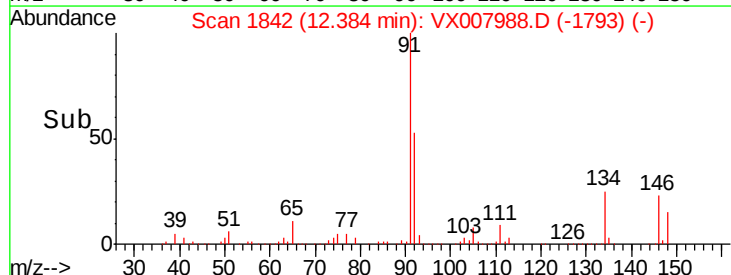
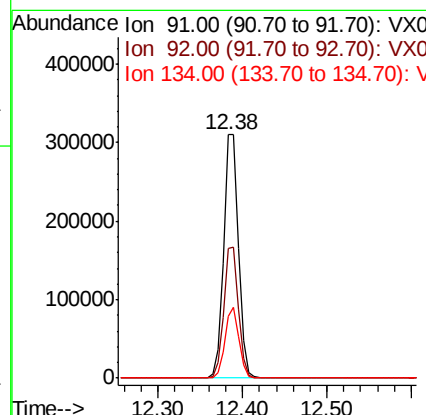
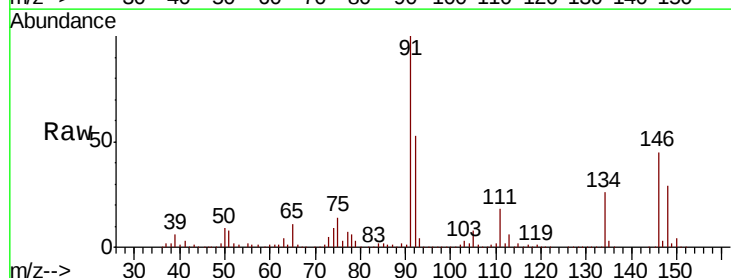
Manual Integrations
APPROVED

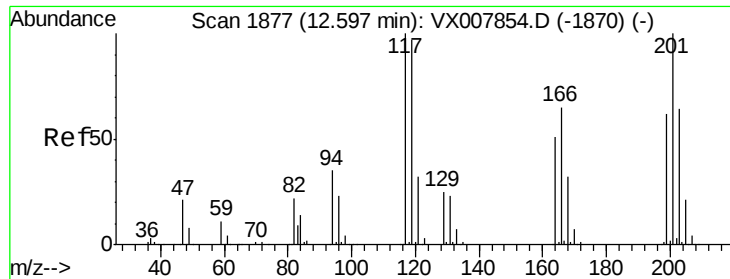
MMDadoda
3/12/2019 2:20:48 PM



#89
n-Butylbenzene
Concen: 48.529 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX007988.D
Acq: 11 Mar 2019 23:23

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.1	27.0	80.8
134	27.5	13.7	41.0





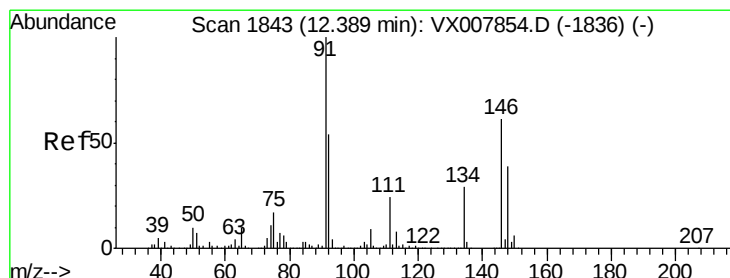
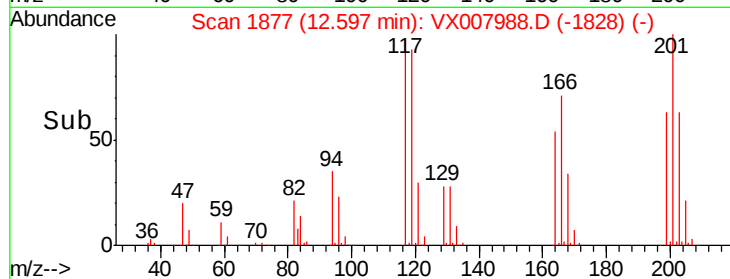
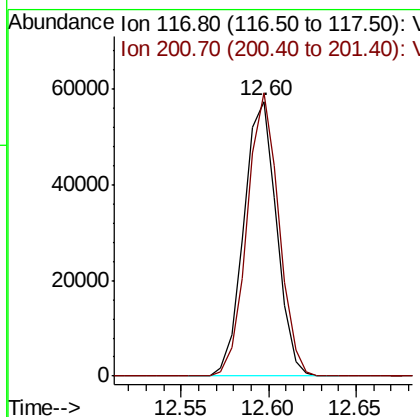
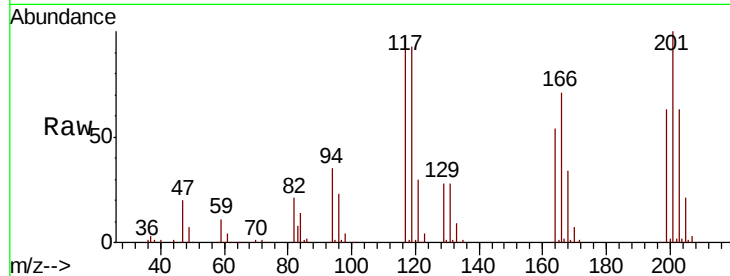
#90
Hexachloroethane
Concen: 48.504 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007988.D
Acq: 11 Mar 2019 23:23

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MS

Tgt Ion:117 Resp: 74654
Ion Ratio Lower Upper
117 100
201 99.8 48.9 146.7

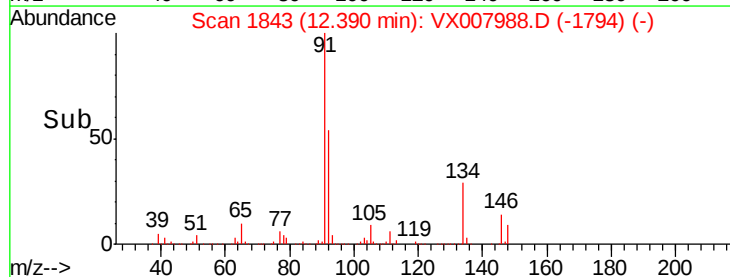
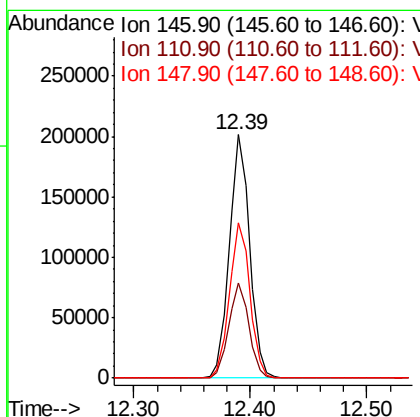
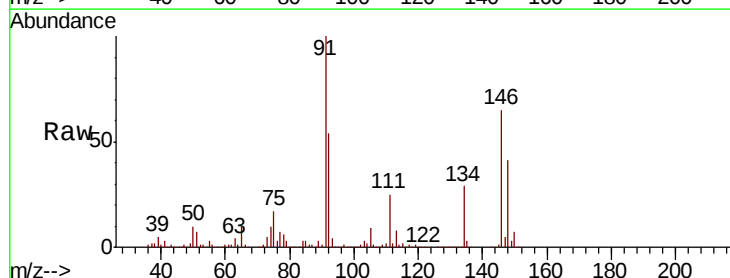
Manual Integrations
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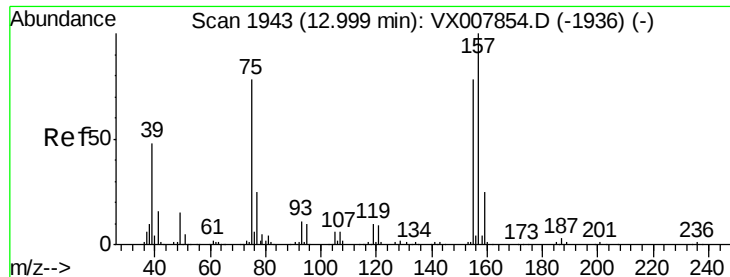
MMDadoda
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#91
1,2-Dichlorobenzene
Concen: 48.021 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX007988.D
Acq: 11 Mar 2019 23:23

Tgt Ion:146 Resp: 243585
Ion Ratio Lower Upper
146 100
111 38.9 19.6 58.8
148 64.4 31.9 95.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 46.419 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Instrument :

MSVOA_X

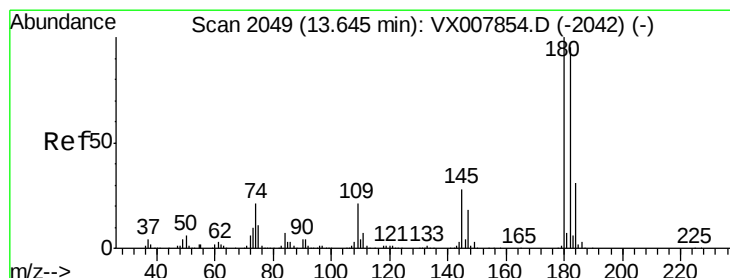
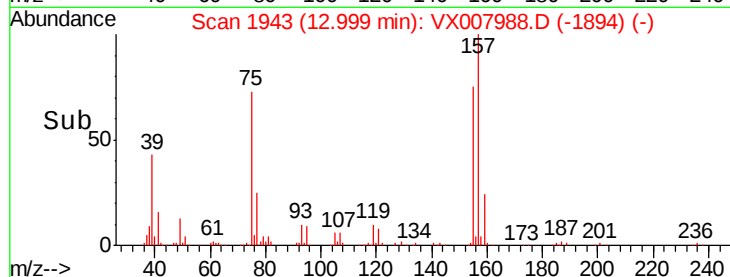
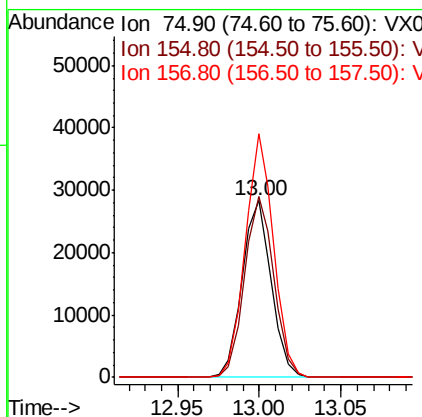
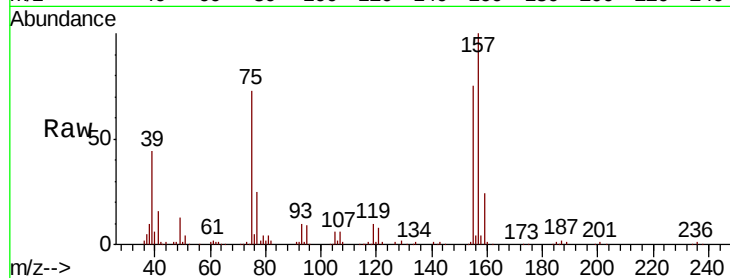
ClientSampleId :

RE122D2-20190308MS

Tgt Ion:	75	Resp:	35227
Ion Ratio	Lower	Upper	
75	100		
155	103.1	49.7	149.1
157	133.6	63.8	191.4

Manual Integrations
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3/12/2019 2:20:48 PM



#93

1,2,4-Trichlorobenzene

Concen: 47.875 ug/l

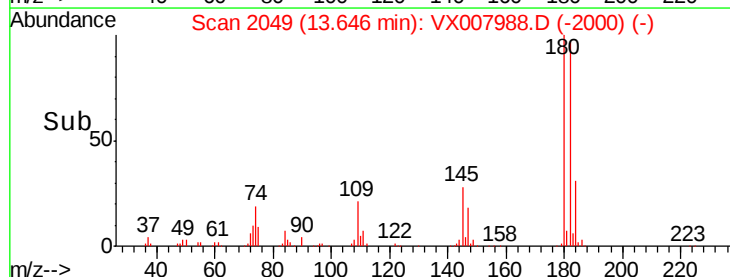
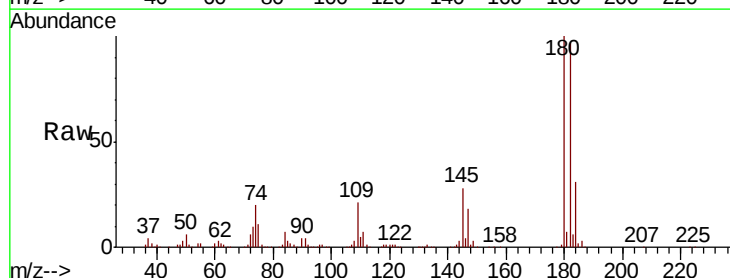
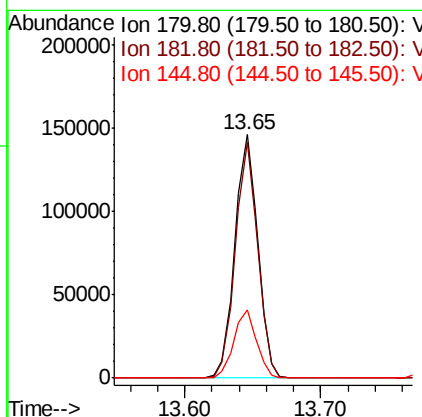
RT: 13.65 min Scan# 2049

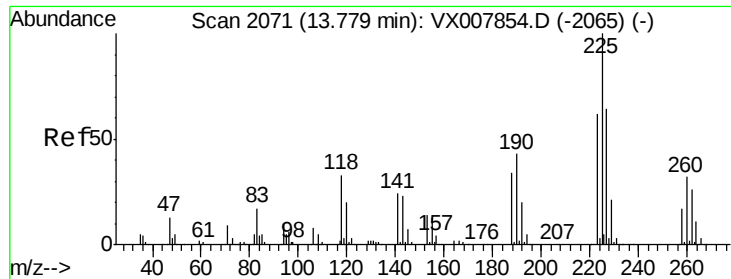
Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Tgt Ion:	180	Resp:	170597
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.9	143.7
145	28.1	14.1	42.4





#94

Hexachlorobutadiene

Concen: 47.521 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Instrument :

MSVOA_X

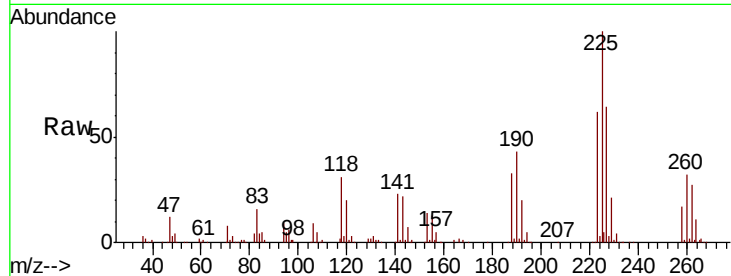
ClientSampleId :

RE122D2-20190308MS

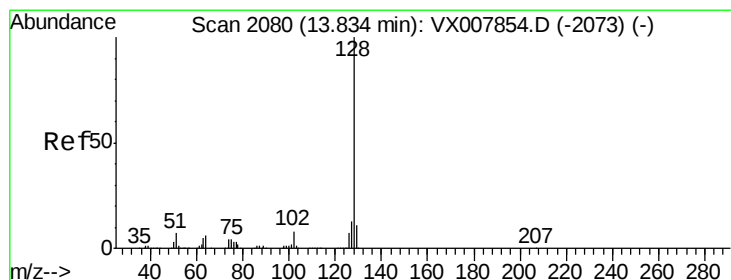
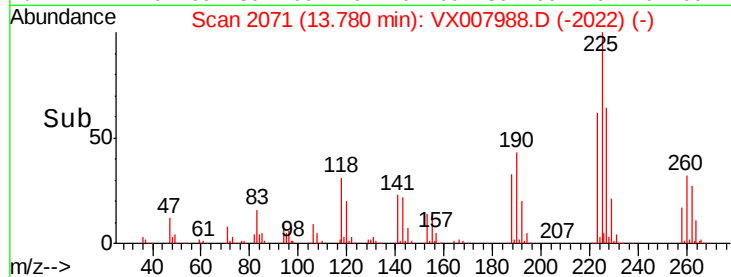
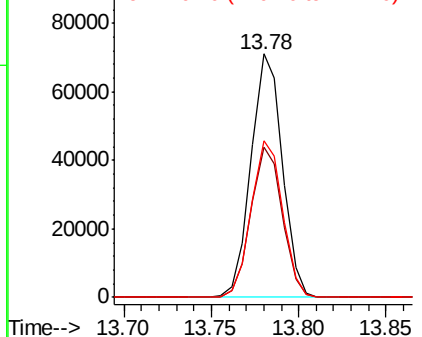
Tgt Ion:	225	Resp:	88532
Ion Ratio	Lower	Upper	
225	100		
223	61.9	31.1	93.2
227	64.4	32.0	96.0

Manual Integrations
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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: 49.520 ug/l

RT: 13.83 min Scan# 2080

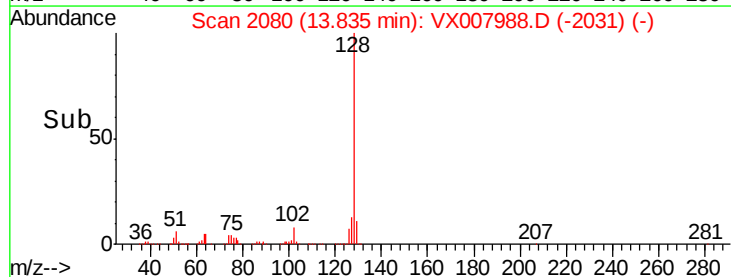
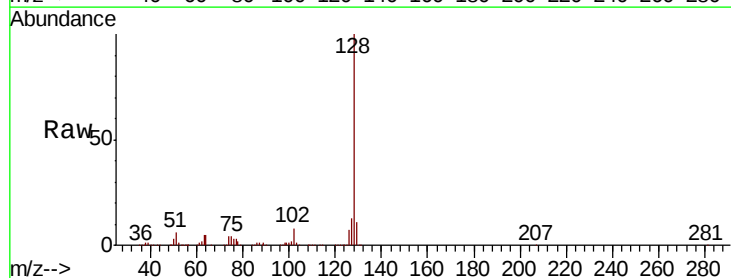
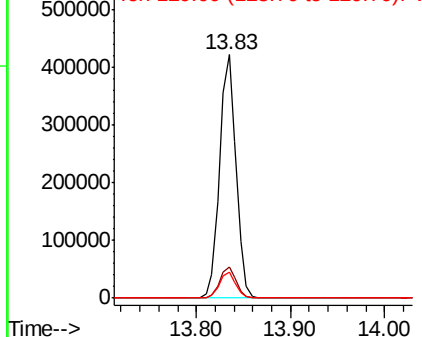
Delta R.T. 0.00 min

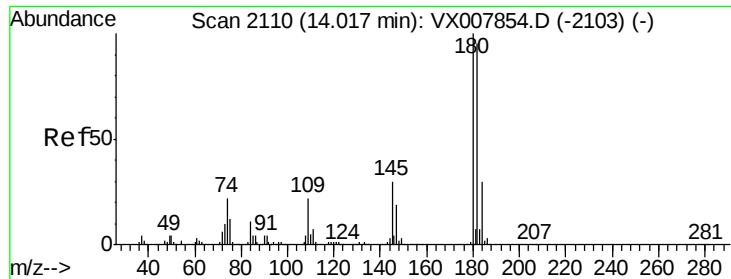
Lab File: VX007988.D

Acq: 11 Mar 2019 23:23

Tgt Ion:	128	Resp:	508443
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.8	8.7	13.1

Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





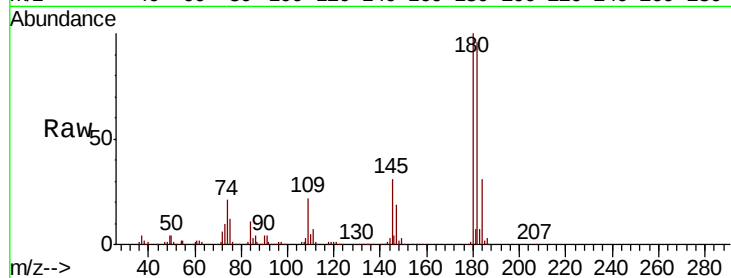
#96
 1,2,3-Trichlorobenzene
 Concen: 48.108 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX007988.D
 Acq: 11 Mar 2019 23:23

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-20190308MS

Tgt Ion:	180	Resp:	170772
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.5	142.5
145	30.2	14.8	44.3

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 144.90 (144.60 to 145.60): V

