

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX031119\
 Data File : VX007989.D
 Acq On : 11 Mar 2019 23:49
 Operator : JC/SP
 Sample : K1841-03MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-20190308MSD

Manual Integrations
 APPROVED

MMDadoda
 3/12/2019 2:20:59 PM

Quant Time: Mar 12 09:26:28 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	5.66	168	233158	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	343110	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	299912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	152516	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	127777	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
35) Dibromofluoromethane	5.51	113	114977	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
50) Toluene-d8	8.71	98	429235	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
62) 4-Bromofluorobenzene	11.13	95	150079	53.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	92862	46.618	ug/l	100
3) Chloromethane	1.33	50	118849	46.297	ug/l	99
4) Vinyl Chloride	1.41	62	125091	49.042	ug/l	99
5) Bromomethane	1.64	94	64982	54.387	ug/l	100
6) Chloroethane	1.72	64	77760	45.890	ug/l	98
7) Trichlorofluoromethane	1.93	101	167228	50.356	ug/l	97
8) Diethyl Ether	2.19	74	73006	50.767	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	122780	59.661	ug/l	99
10) Methyl Iodide	2.51	142	158060	54.138	ug/l	98
11) Tert butyl alcohol	3.08	59	140168	254.829	ug/l	100
12) 1,1-Dichloroethene	2.37	96	112142	56.531	ug/l	97
13) Acrolein	2.30	56	85457	274.386	ug/l	100
14) Allyl chloride	2.73	41	196354	47.105	ug/l	99
15) Acrylonitrile	3.15	53	341356	245.867	ug/l	100
16) Acetone	2.45	43	282237	198.252	ug/l	98
17) Carbon Disulfide	2.57	76	300634	49.905	ug/l	100
18) Methyl Acetate	2.78	43	137110	45.334	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	351864	51.559	ug/l	99
20) Methylene Chloride	2.86	84	112442	49.628	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	108355	49.642	ug/l	97
22) Diisopropyl ether	3.87	45	373708	48.907	ug/l	98
23) Vinyl Acetate	3.82	43	1372395	204.812	ug/l	99
24) 1,1-Dichloroethane	3.70	63	206778	50.285	ug/l	99
25) 2-Butanone	4.70	43	461103	228.780	ug/l	98
26) 2,2-Dichloropropane	4.58	77	114622	42.074	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	133642	53.506	ug/l	96
28) Bromochloromethane	5.02	49	98923	51.601	ug/l	97
29) Tetrahydrofuran	5.15	42	312360	248.458	ug/l	99
30) Chloroform	5.21	83	205494	52.829	ug/l	98
31) Cyclohexane	5.58	56	183176	48.468	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	169225	52.434	ug/l	98
36) 1,1-Dichloropropene	5.80	75	152147	48.973	ug/l	99
37) Ethyl Acetate	4.85	43	150164	40.730	ug/l	99
38) Carbon Tetrachloride	5.78	117	152558	51.724	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	178200	47.336	ug/l	99
40) Benzene	6.14	78	464359	50.206	ug/l	99
41) Methacrylonitrile	5.06	41	98314	48.911	ug/l	99
42) 1,2-Dichloroethane	6.20	62	151324	50.029	ug/l	100
43) Isopropyl Acetate	6.46	43	248053	45.461	ug/l	99
44) Trichloroethene	7.23	130	8849586	3471.956	ug/l	98
45) 1,2-Dichloropropane	7.51	63	121132	49.586	ug/l	98
46) Dibromomethane	7.66	93	77356	50.037	ug/l	99
47) Bromodichloromethane	7.90	83	148692	50.730	ug/l	99
48) Methyl methacrylate	7.77	41	139579	48.655	ug/l	98
49) 1,4-Dioxane	7.75	88	58682	995.792	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	861066	245.388	ug/l	99
52) Toluene	8.79	92	286792	50.788	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	159587	52.165	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	174488	50.507	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	121267	53.050	ug/l	99
56) Ethyl methacrylate	9.18	69	177864	51.823	ug/l	97
57) 1,3-Dichloropropane	9.37	76	194166	50.589	ug/l	100
59) 2-Hexanone	9.49	43	646425	237.280	ug/l	99
60) Dibromochloromethane	9.58	129	123491	51.685	ug/l	99
61) 1,2-Dibromoethane	9.67	107	124182	51.168	ug/l	99
64) Tetrachloroethene	9.34	164	129892	52.263	ug/l	99
65) Chlorobenzene	10.14	112	313172	49.901	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	116811	51.933	ug/l	100
67) Ethyl Benzene	10.25	91	526903	51.003	ug/l	99
68) m/p-Xylenes	10.36	106	408387	102.558	ug/l	99
69) o-Xylene	10.69	106	196119	51.014	ug/l	99
70) Styrene	10.71	104	327953	52.131	ug/l	100
71) Bromoform	10.85	173	99072	51.290	ug/l #	100
73) Isopropylbenzene	11.02	105	525950	50.989	ug/l	100
74) N-amyl acetate	10.90	43	192462	40.871	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	171155	48.104	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	164200m	51.306	ug/l	
77) Bromobenzene	11.26	156	142707	50.462	ug/l	98
78) n-propylbenzene	11.36	91	583545	50.995	ug/l	100
79) 2-Chlorotoluene	11.42	91	346170	49.477	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	436045	51.362	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	48560	48.500	ug/l	99
82) 4-Chlorotoluene	11.51	91	398893	49.749	ug/l	99
83) tert-Butylbenzene	11.77	119	433162	50.653	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	446455	51.299	ug/l	99
85) sec-Butylbenzene	11.94	105	519659	51.596	ug/l	99
86) p-Isopropyltoluene	12.06	119	466841	51.756	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	250552	50.079	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	251949	49.174	ug/l	100
89) n-Butylbenzene	12.39	91	386714	50.605	ug/l	99
90) Hexachloroethane	12.60	117	75719	50.208	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	247501	49.797	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	36382	48.927	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	174897	50.091	ug/l	100

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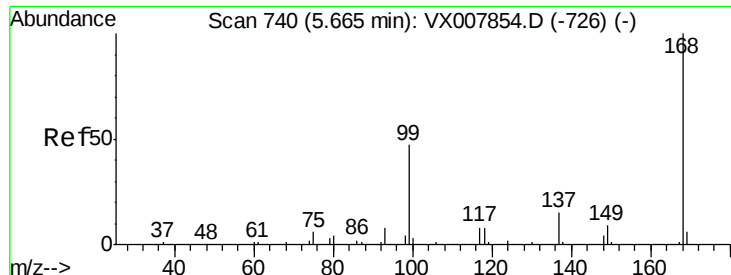
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	90799	49.740	ug/l	99
95) Naphthalene	13.83	128	524449	52.130	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	176738	50.813	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20190308MSD

Tgt Ion:168 Resp: 233158

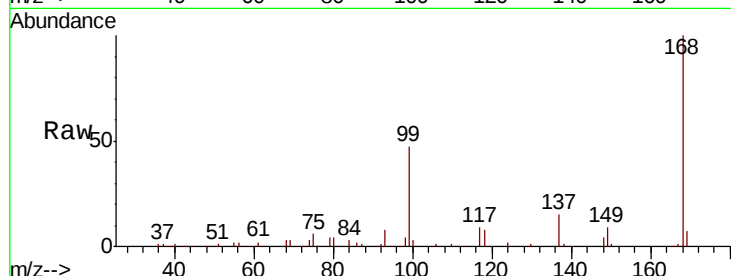
Ion Ratio Lower Upper

168 100

99 47.0 37.6 56.4

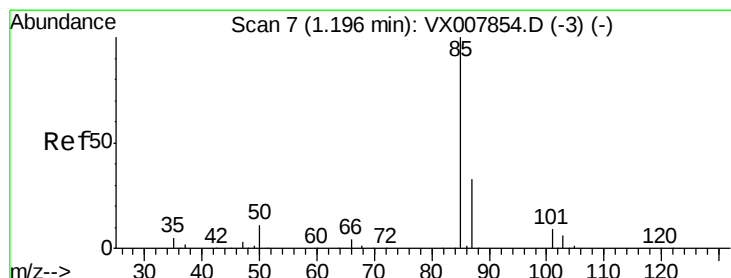
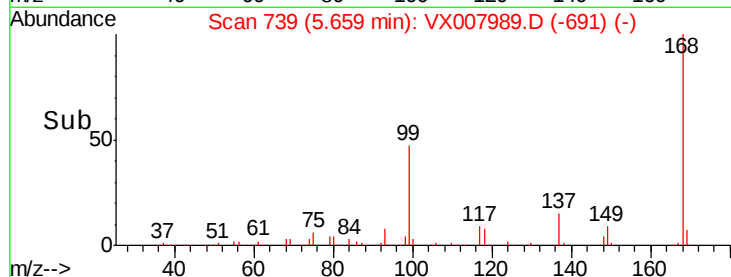
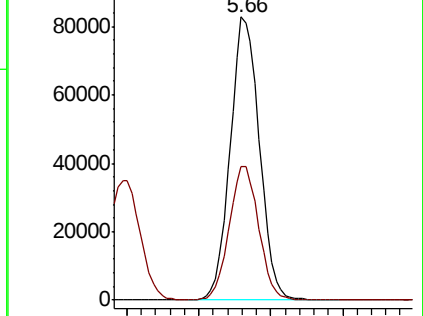
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 46.618 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007989.D

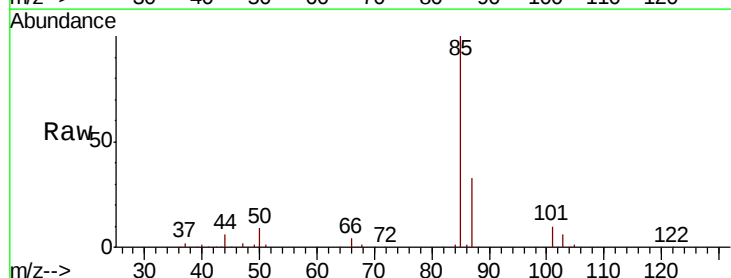
Acq: 11 Mar 2019 23:49

Tgt Ion: 85 Resp: 92862

Ion Ratio Lower Upper

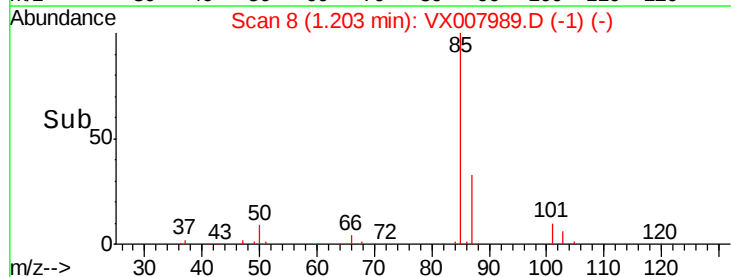
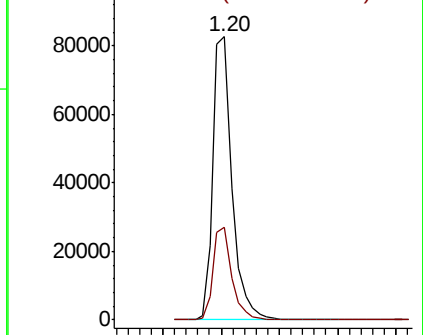
85 100

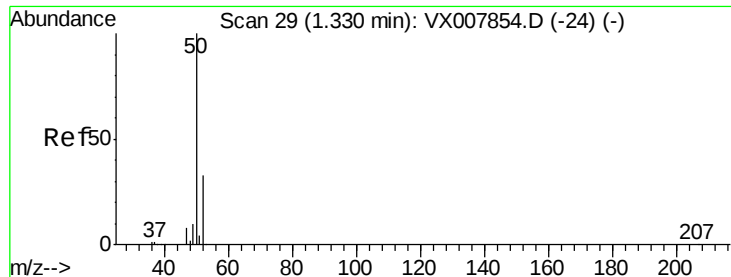
87 32.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 46.297 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20190308MSD

Tgt Ion: 50 Resp: 118849

Ion Ratio Lower Upper

50 100

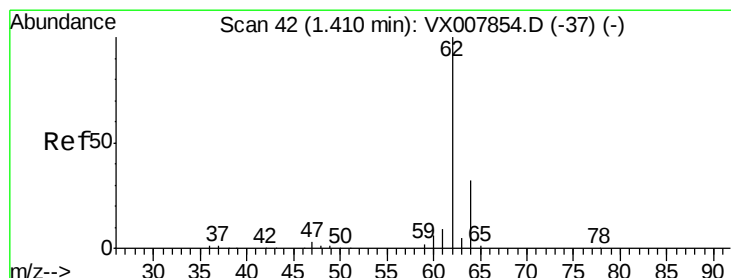
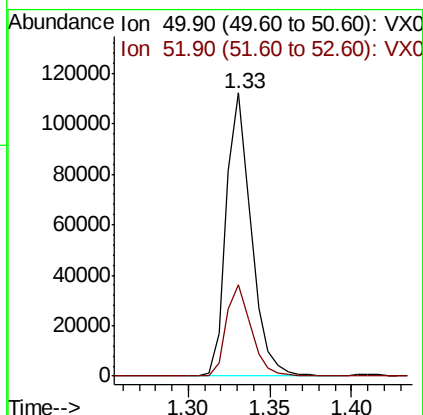
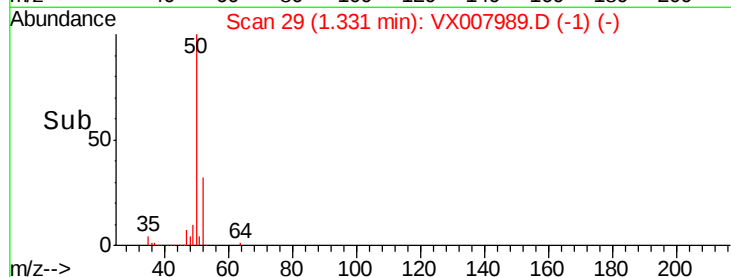
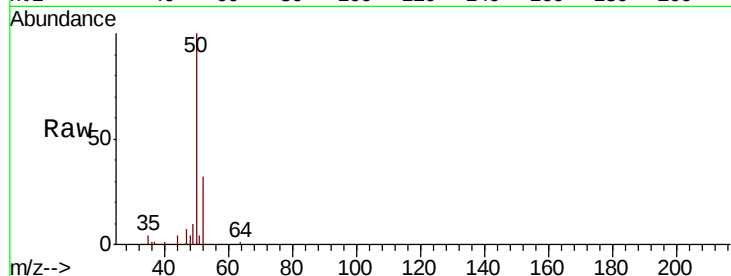
52 32.3 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.042 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007989.D

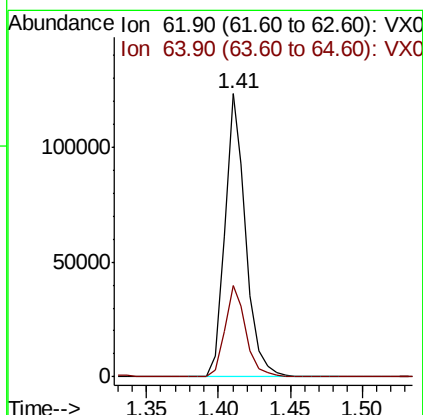
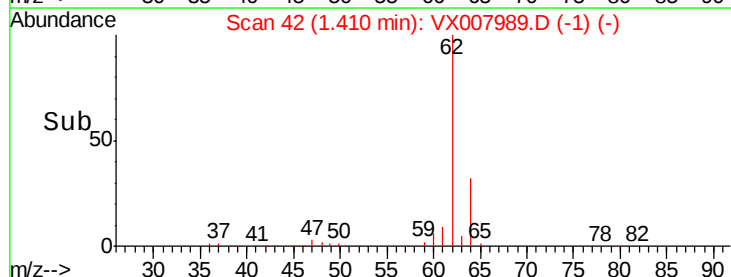
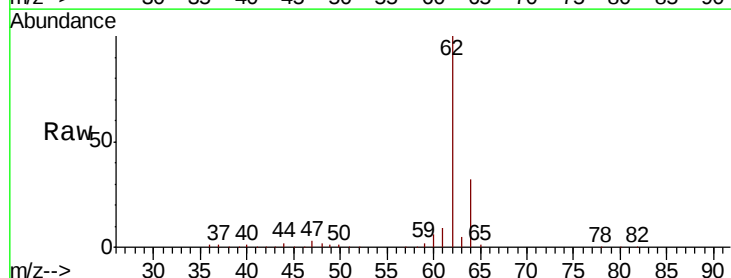
Acq: 11 Mar 2019 23:49

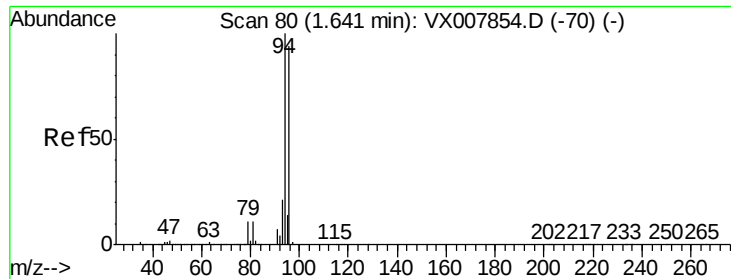
Tgt Ion: 62 Resp: 125091

Ion Ratio Lower Upper

62 100

64 31.9 25.3 37.9





#5

Bromomethane

Concen: 54.387 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

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Tgt Ion: 94 Resp: 64982

Ion Ratio Lower Upper

94 100

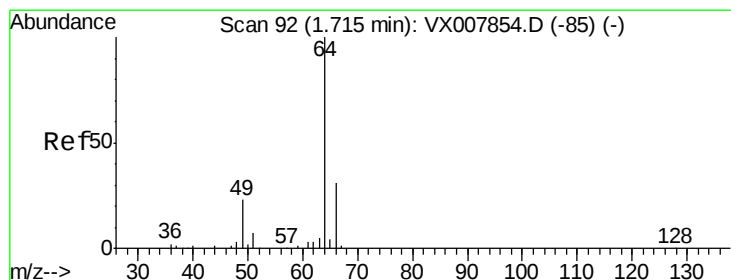
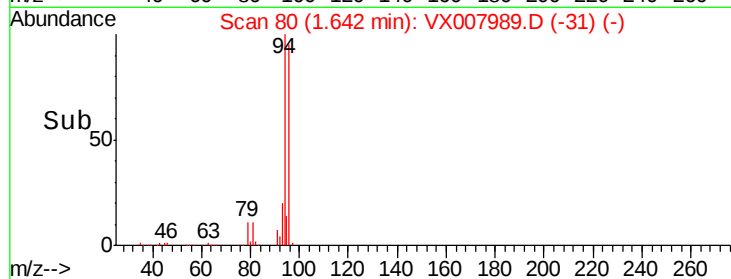
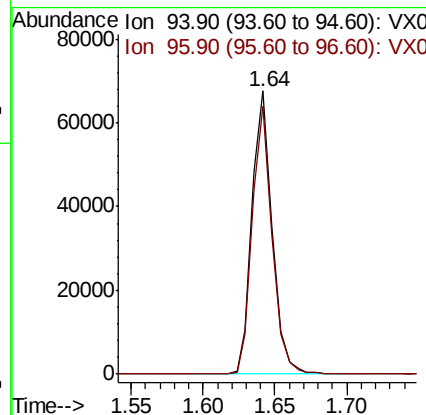
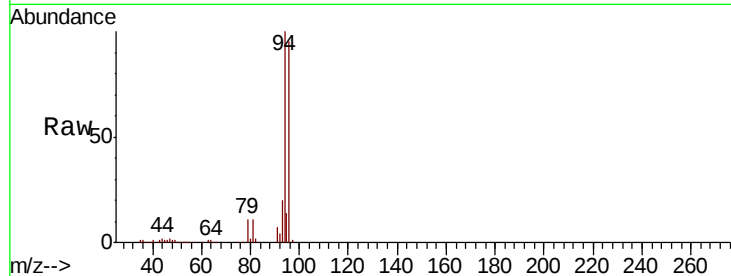
96 94.6 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 45.890 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX007989.D

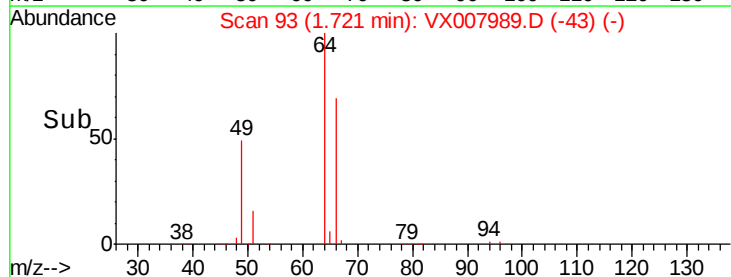
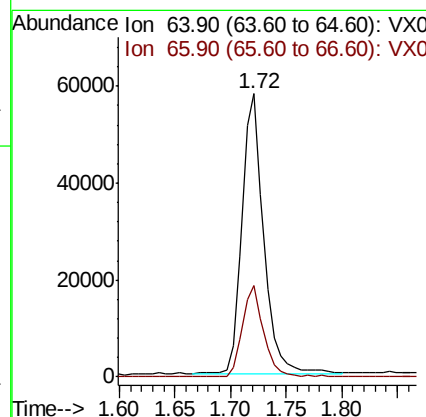
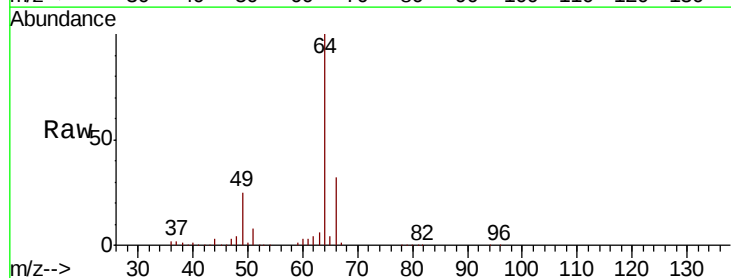
Acq: 11 Mar 2019 23:49

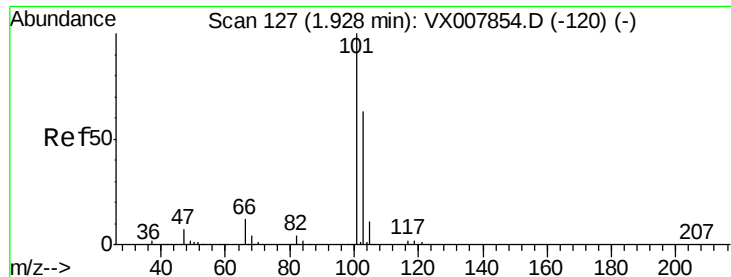
Tgt Ion: 64 Resp: 77760

Ion Ratio Lower Upper

64 100

66 32.7 25.2 37.8





#7

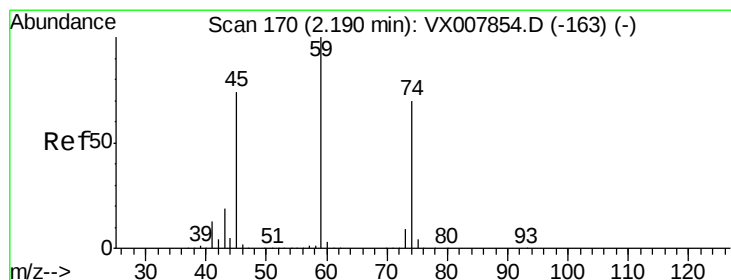
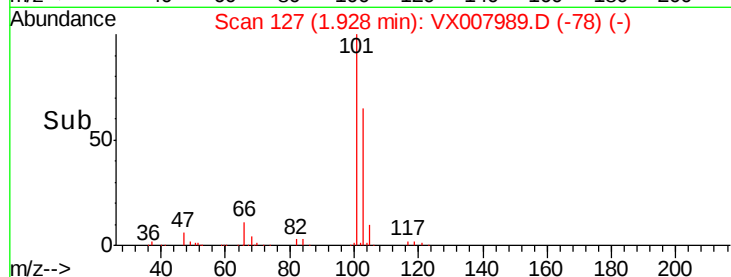
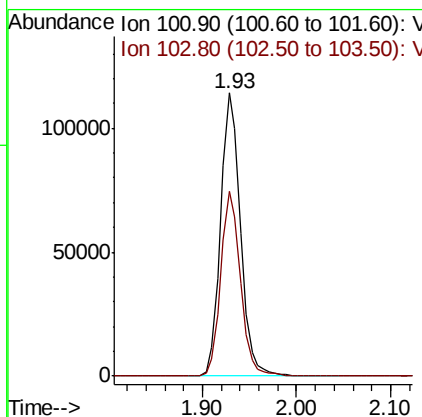
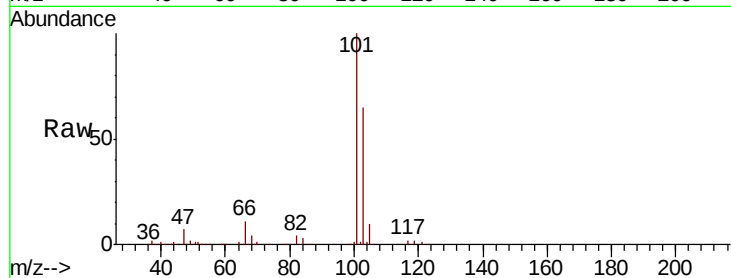
Trichlorofluoromethane
 Concen: 50.356 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX007989.D
 Acq: 11 Mar 2019 23:49

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.4	50.4	75.6

Manual Integrations
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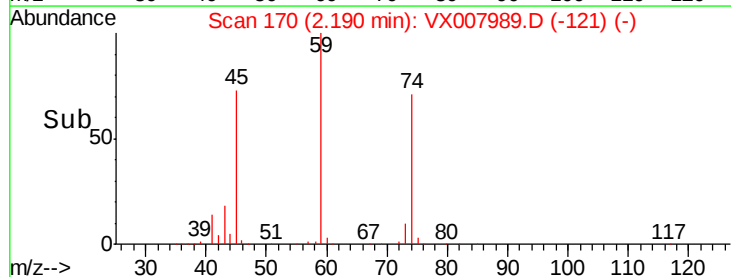
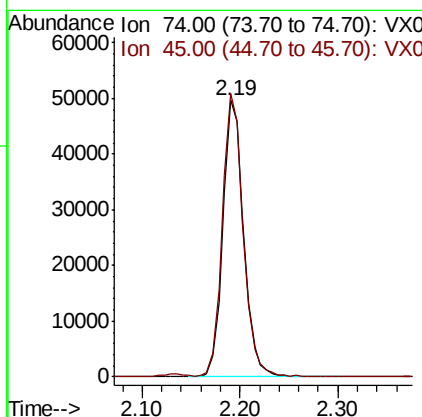
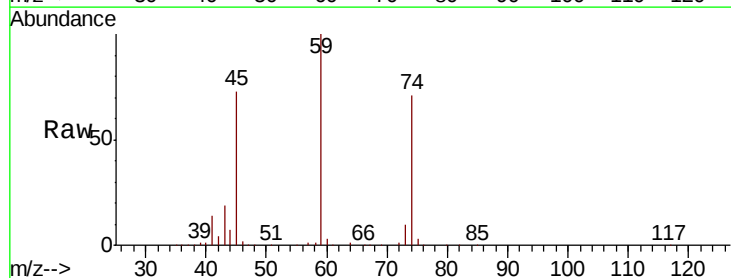
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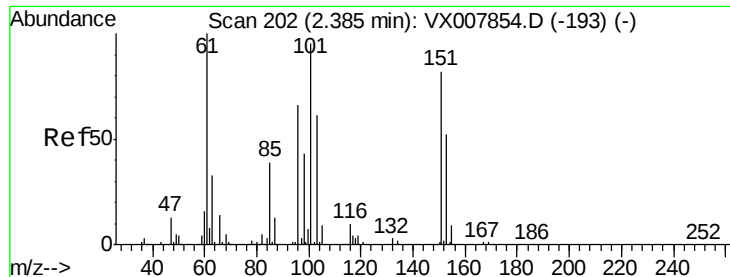


#8

Diethyl Ether
 Concen: 50.767 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX007989.D
 Acq: 11 Mar 2019 23:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.3	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 59.661 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Instrument :

MSVOA_X

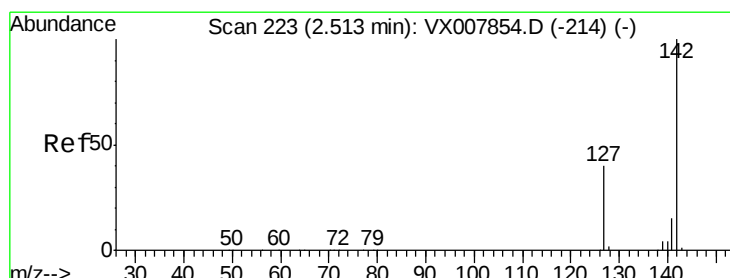
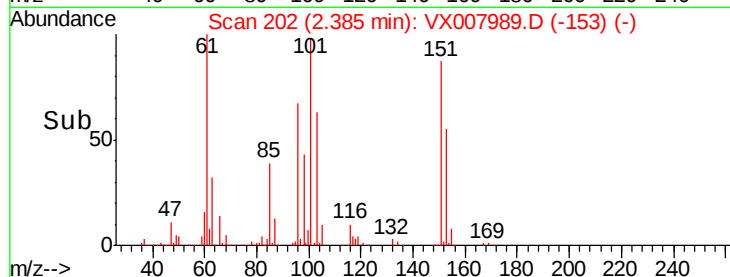
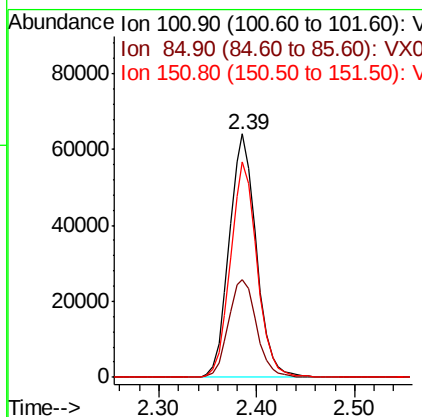
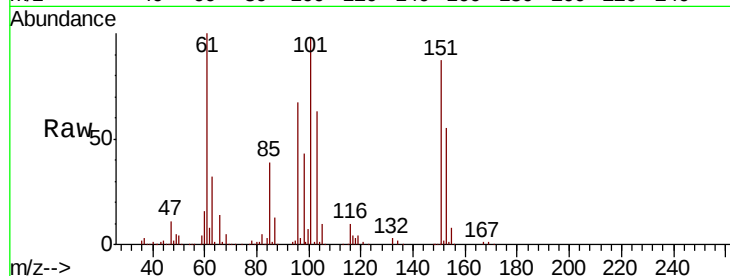
ClientSampleId :

RE122D2-20190308MSD

Tgt Ion:	101	Resp:	122780
Ion Ratio	Lower	Upper	
101	100		
85	41.6	33.8	50.6
151	87.0	69.1	103.7

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#10

Methyl Iodide

Concen: 54.138 ug/l

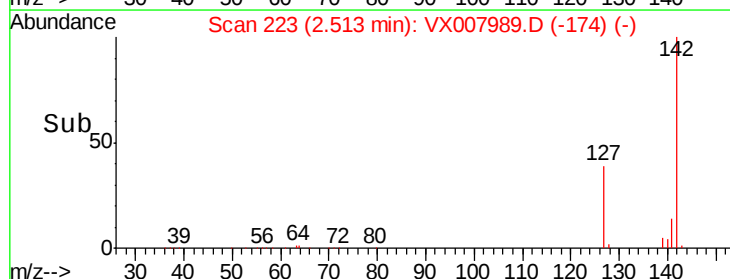
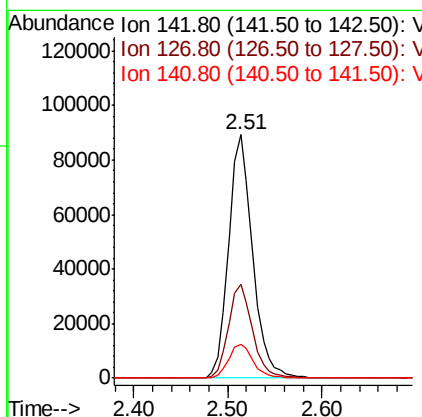
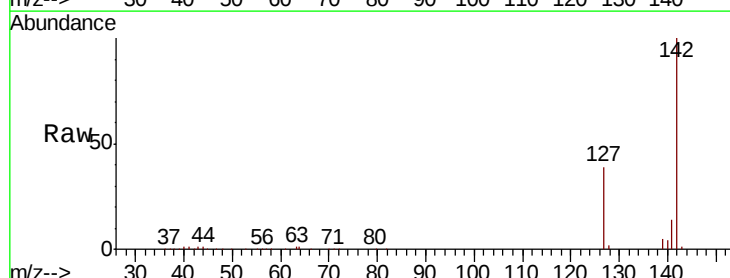
RT: 2.51 min Scan# 223

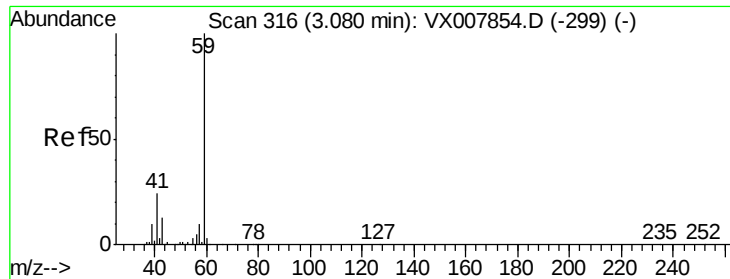
Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Tgt Ion:	142	Resp:	158060
Ion Ratio	Lower	Upper	
142	100		
127	38.7	32.1	48.1
141	14.2	11.4	17.2





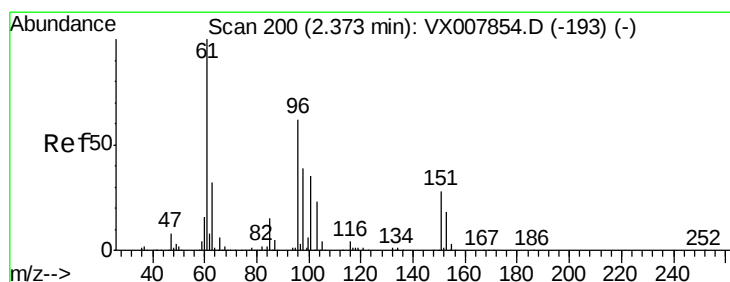
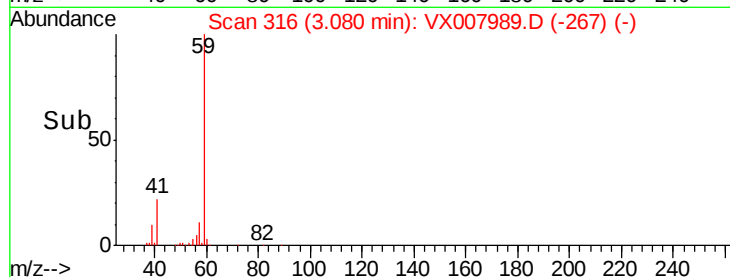
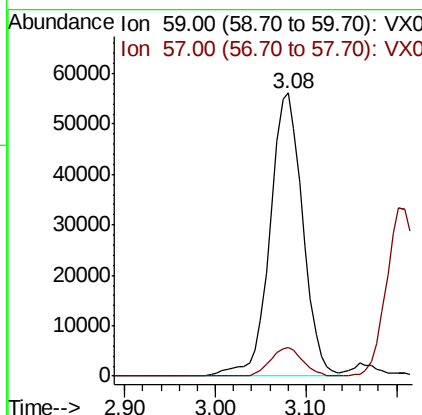
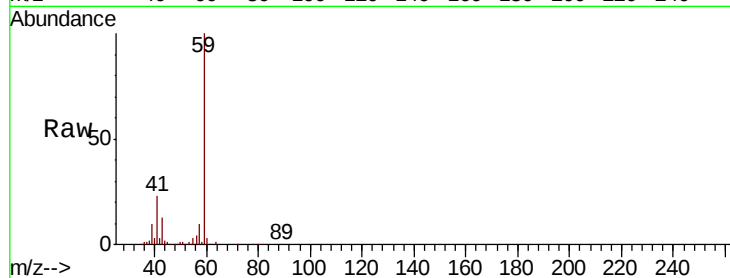
#11
Tert butyl alcohol
Concen: 254.829 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MSD

Tgt Ion: 59 Resp: 140168
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.2

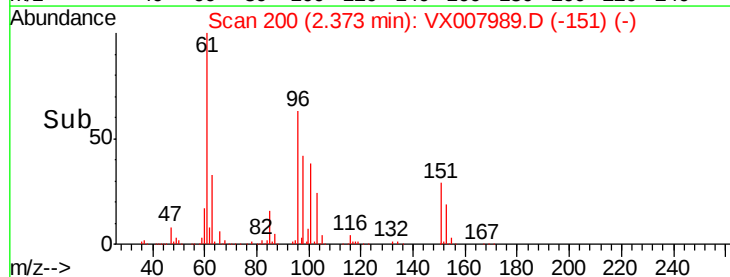
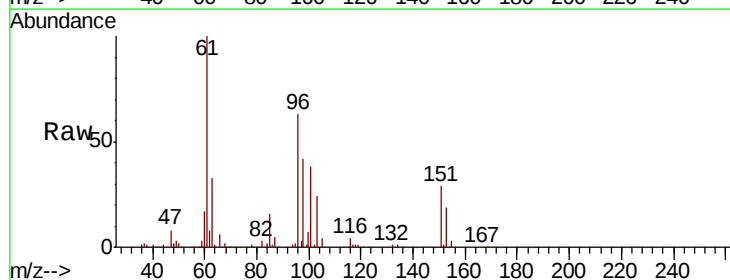
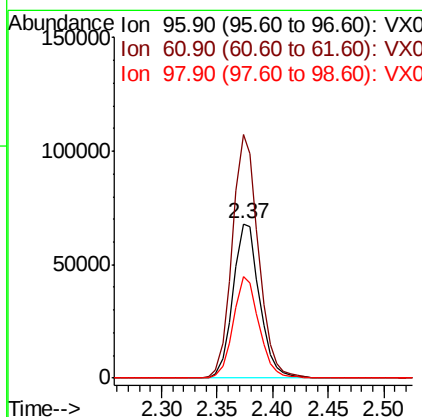
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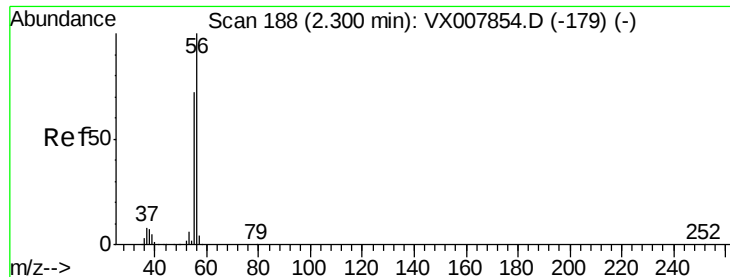
MMDadoda
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#12
1,1-Dichloroethene
Concen: 56.531 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Tgt Ion: 96 Resp: 112142
Ion Ratio Lower Upper
96 100
61 158.0 129.8 194.6
98 66.1 51.0 76.6





#13

Acrolein

Concen: 274.386 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20190308MSD

Tgt Ion: 56 Resp: 85457

Ion Ratio Lower Upper

56 100

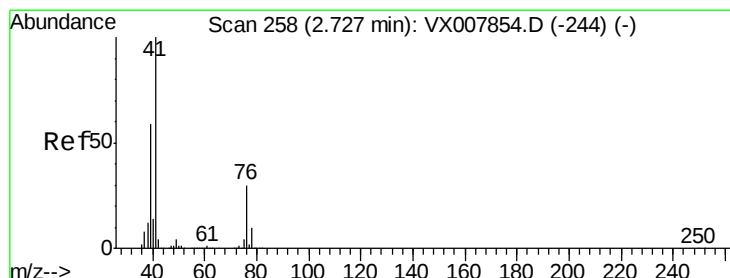
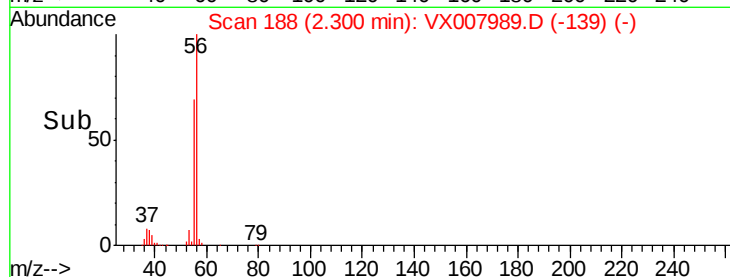
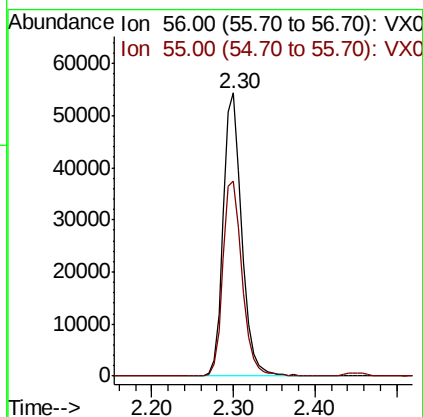
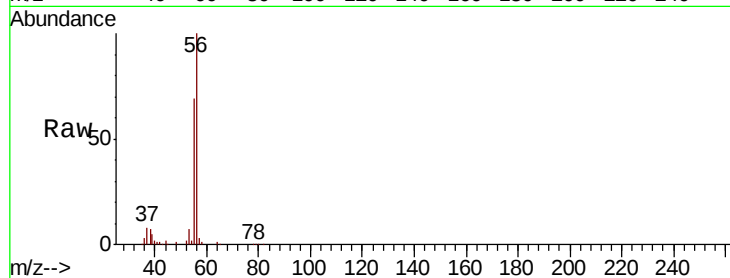
55 72.0 57.8 86.6

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#14

Allyl chloride

Concen: 47.105 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

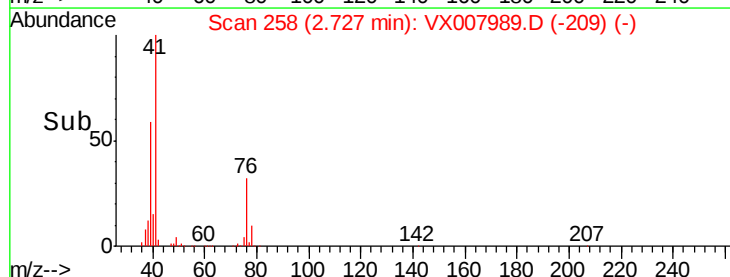
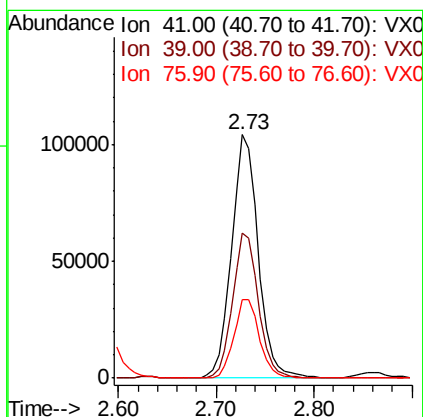
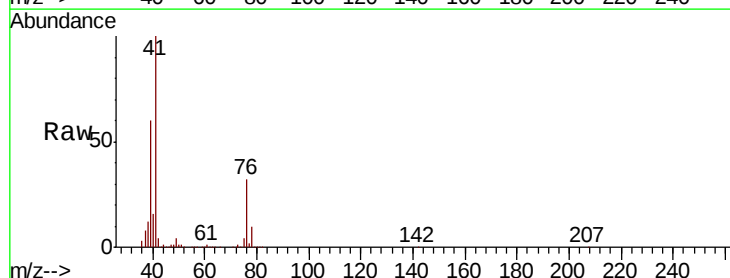
Tgt Ion: 41 Resp: 196354

Ion Ratio Lower Upper

41 100

39 57.9 46.1 69.1

76 31.4 24.0 36.0





#15

Acrylonitrile

Concen: 245.867 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Instrument :

MSVOA_X

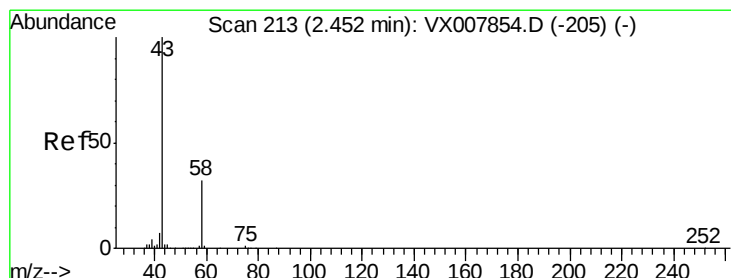
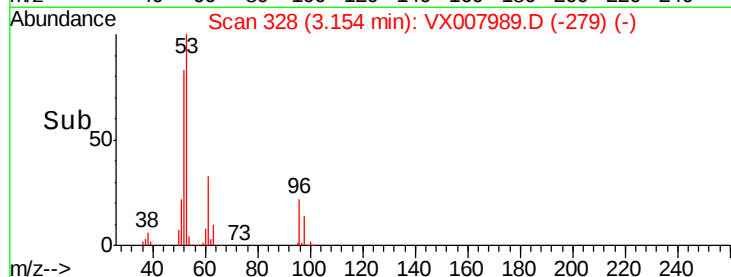
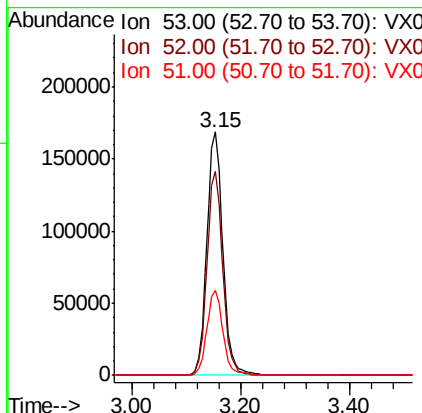
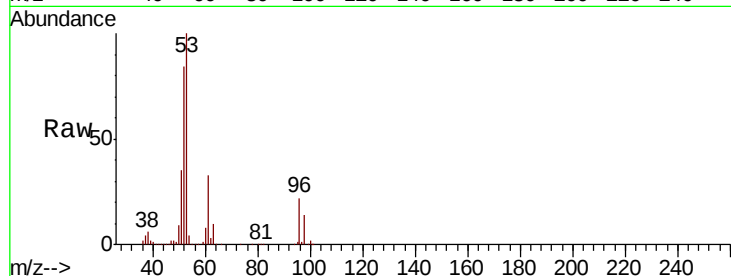
ClientSampleId :

RE122D2-20190308MSD

Tgt Ion:	53	Resp:	341356
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.0	99.0
51	35.6	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 198.252 ug/l

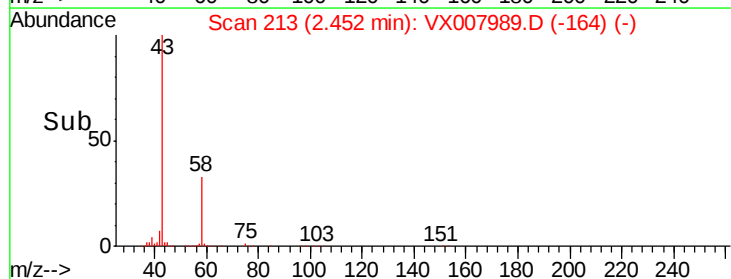
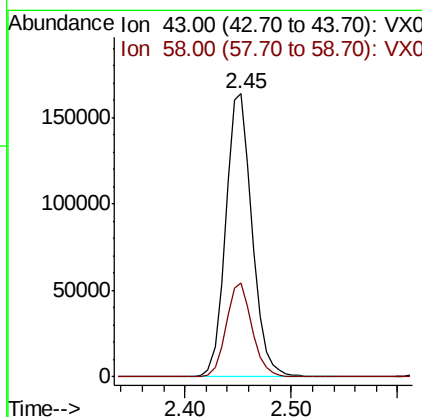
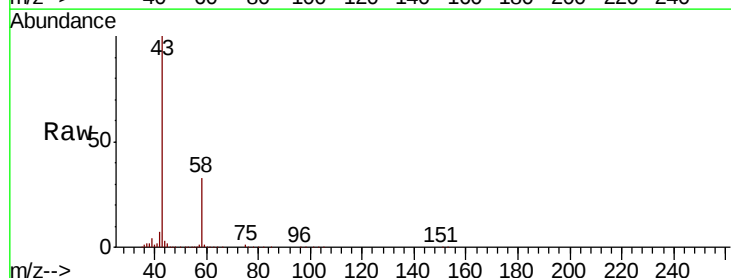
RT: 2.45 min Scan# 213

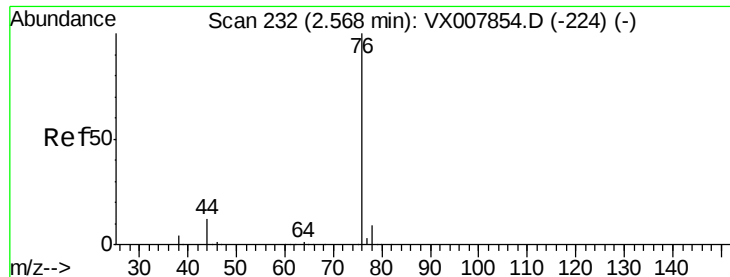
Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Tgt Ion:	43	Resp:	282237
Ion	Ratio	Lower	Upper
43	100		
58	33.1	25.5	38.3





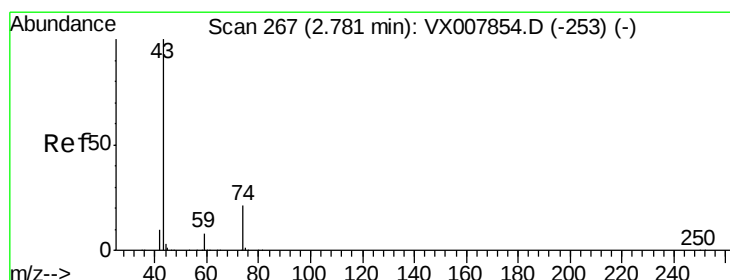
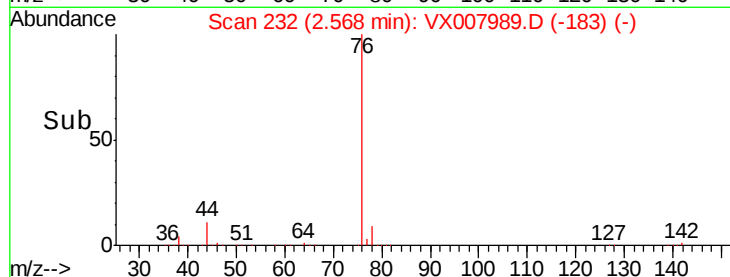
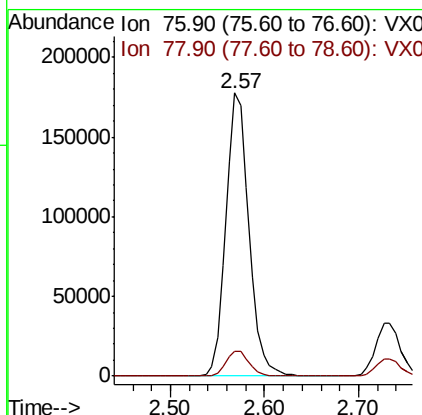
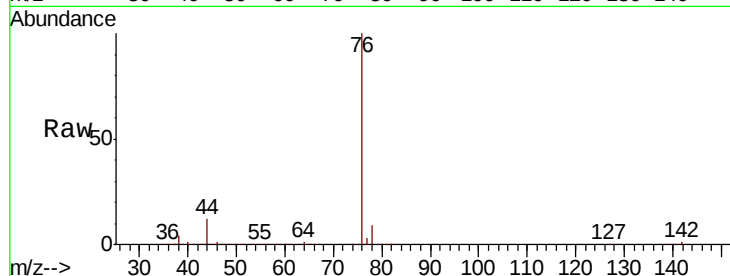
#17
Carbon Disulfide
Concen: 49.905 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MSD

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

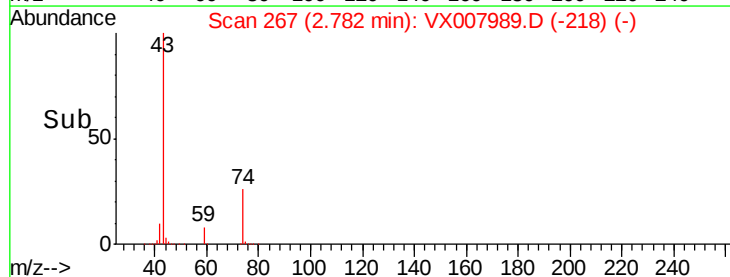
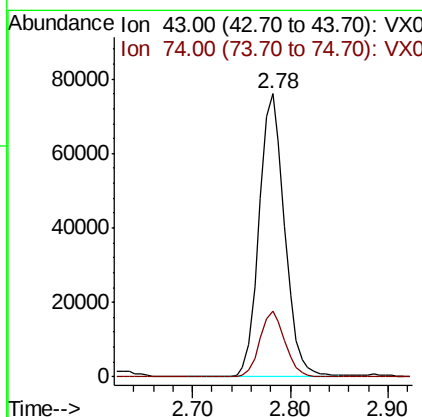
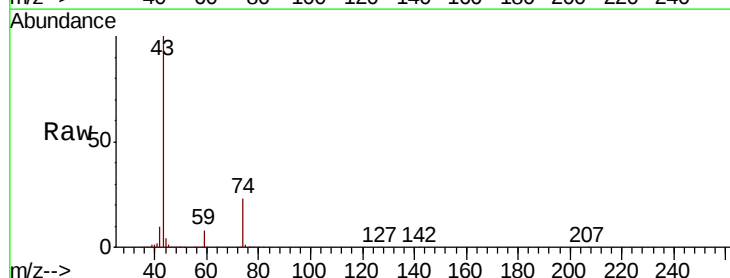
Manual Integrations
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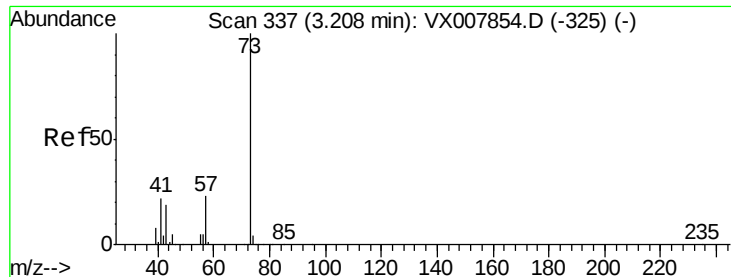
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#18
Methyl Acetate
Concen: 45.334 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	17.8	26.6





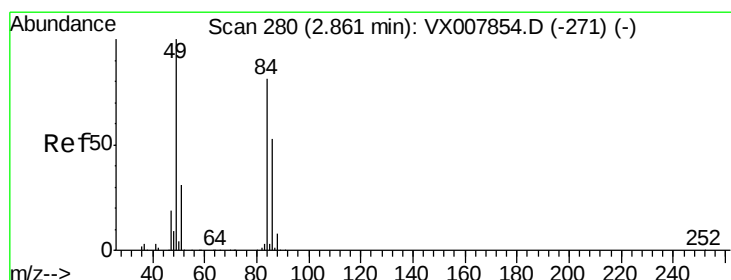
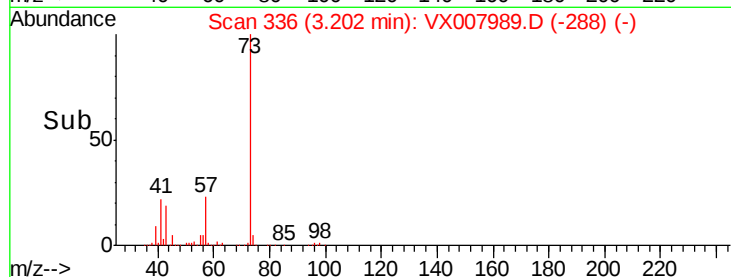
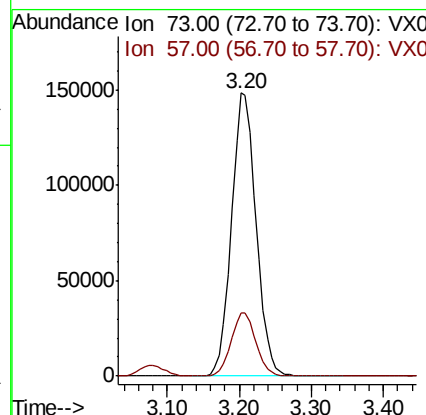
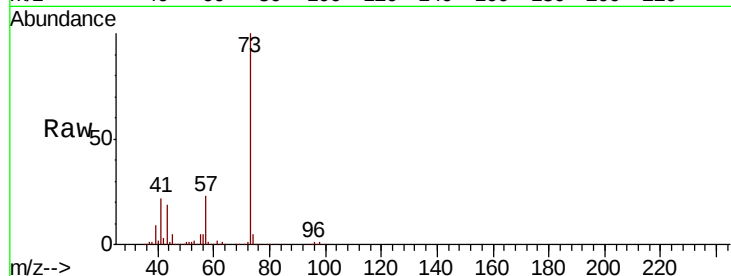
#19
Methyl tert-butyl Ether
Concen: 51.559 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MSD

Tgt Ion: 73 Resp: 351864
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.4

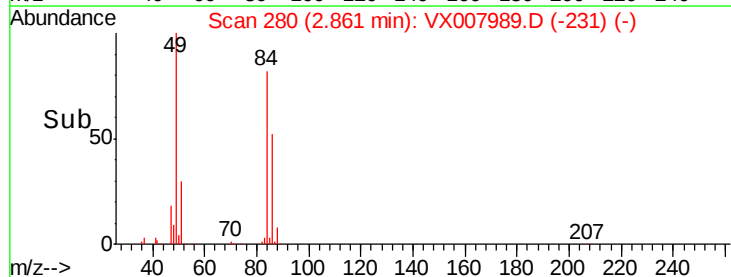
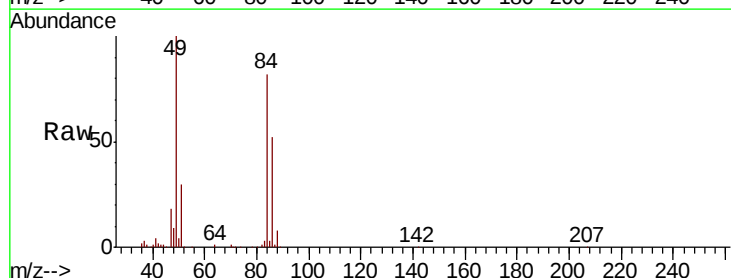
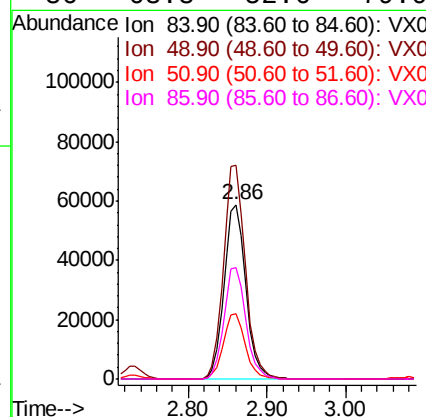
Manual Integrations
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#20
Methylene Chloride
Concen: 49.628 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Tgt Ion: 84 Resp: 112442
Ion Ratio Lower Upper
84 100
49 122.7 99.3 148.9
51 37.1 31.3 46.9
86 63.8 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 49.642 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Instrument :

MSVOA_X

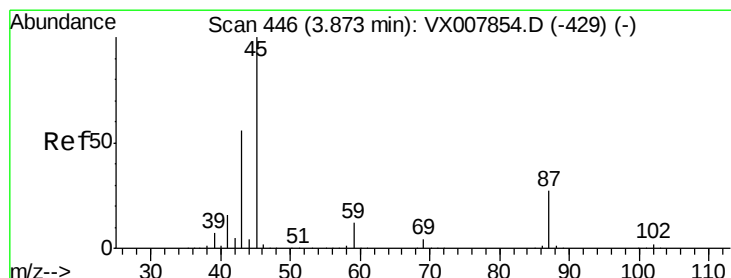
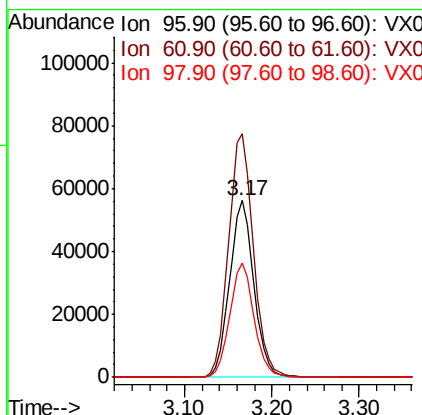
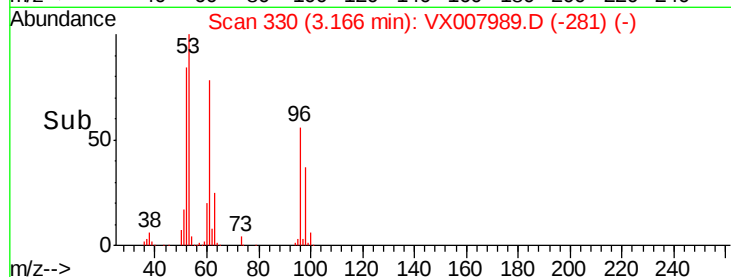
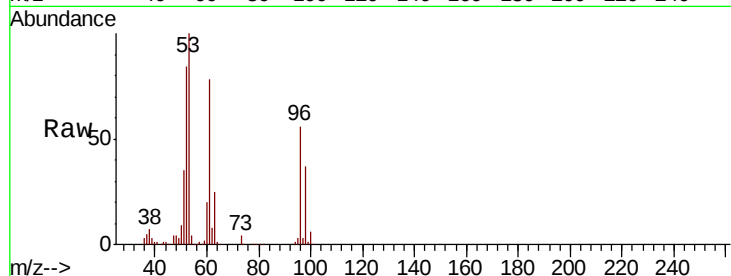
ClientSampleId :

RE122D2-20190308MSD

Tgt Ion:	96	Resp:	108355
Ion Ratio	Lower	Upper	
96	100		
61	137.8	114.4	171.6
98	65.1	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.907 ug/l

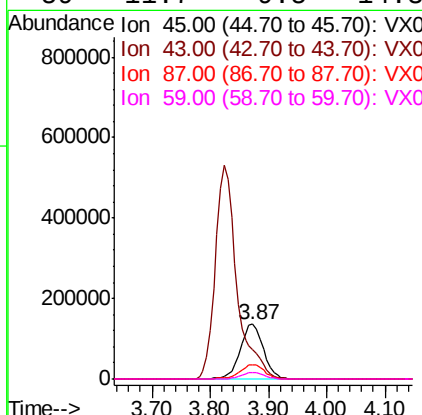
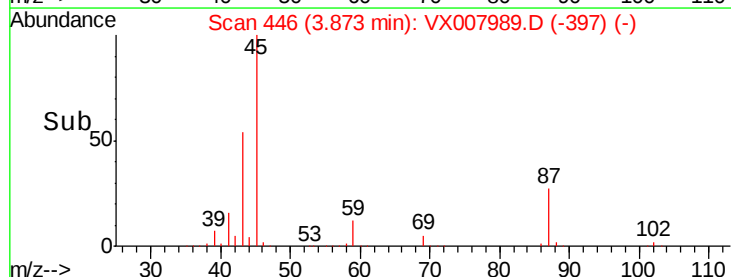
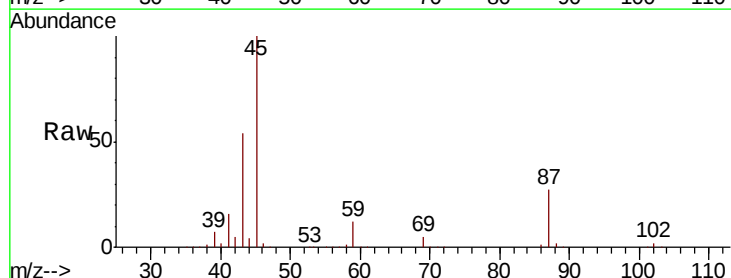
RT: 3.87 min Scan# 446

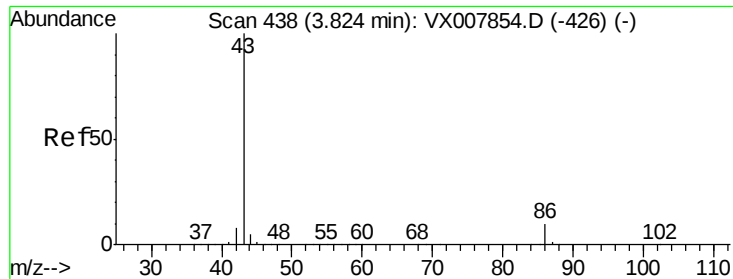
Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Tgt Ion:	45	Resp:	373708
Ion Ratio	Lower	Upper	
45	100		
43	54.3	45.3	67.9
87	27.0	21.4	32.0
59	11.7	9.5	14.3





#23

Vinyl Acetate

Concen: 204.812 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20190308MSD

Tgt Ion: 43 Resp: 1372395

Ion Ratio Lower Upper

43 100

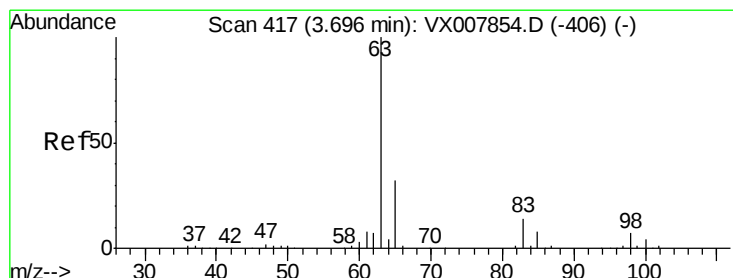
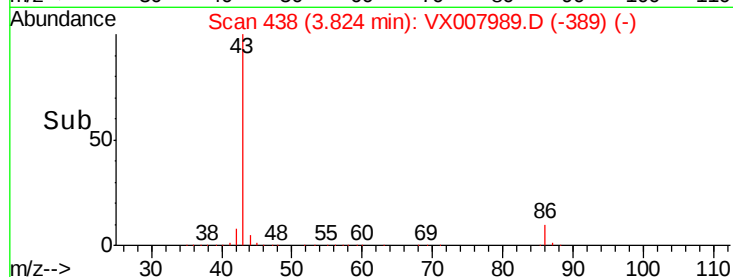
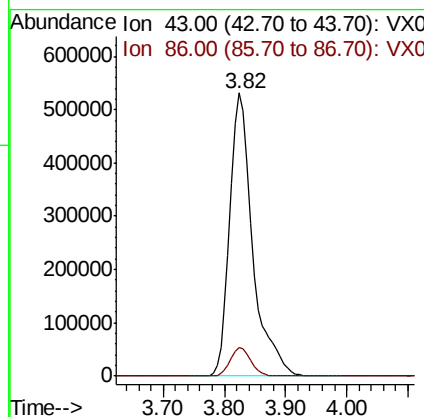
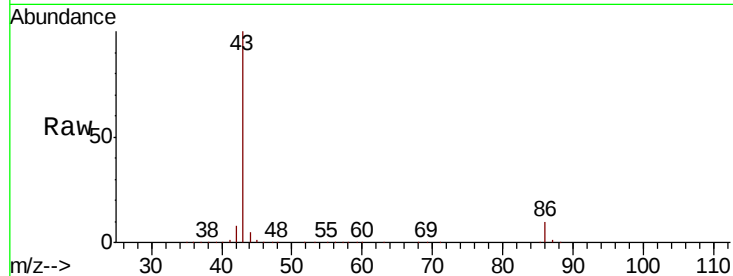
86 10.1 7.9 11.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.285 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

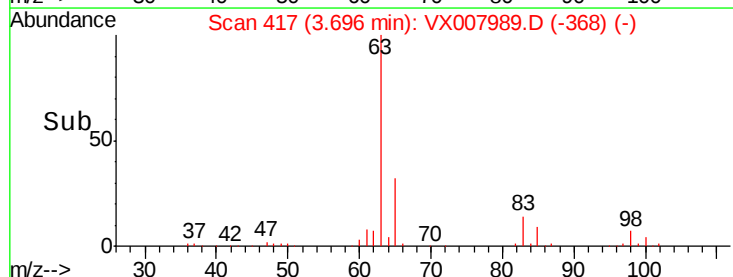
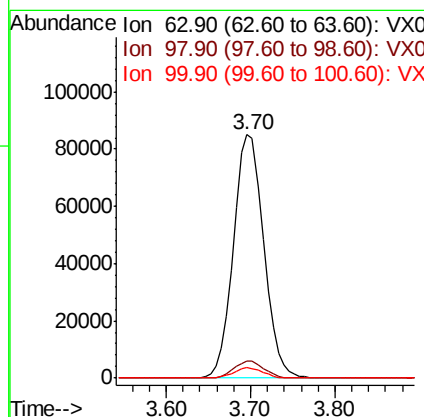
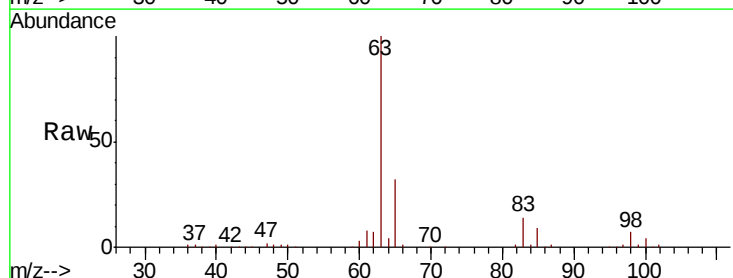
Tgt Ion: 63 Resp: 206778

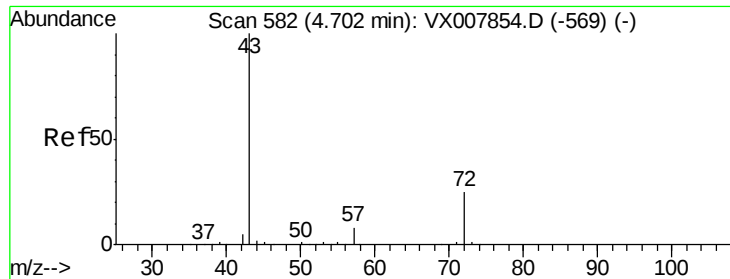
Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

100 4.3 2.3 6.8





#25

2-Butanone

Concen: 228.780 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20190308MSD

Tgt Ion: 43 Resp: 461103

Ion Ratio Lower Upper

43 100

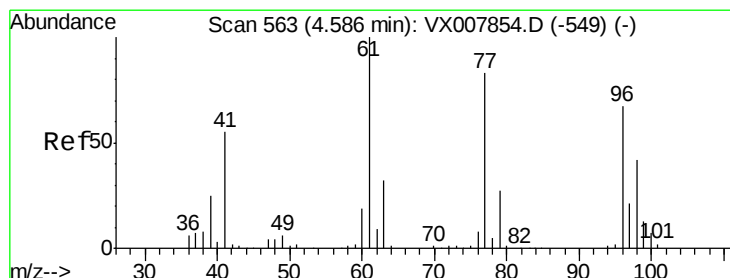
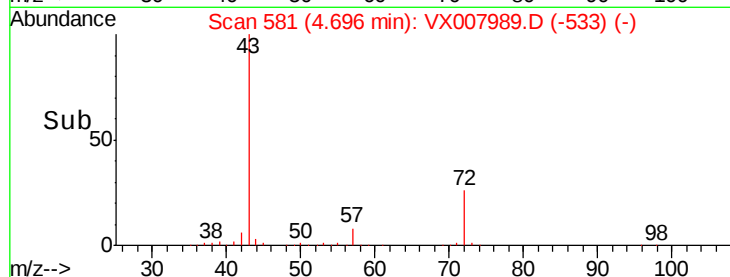
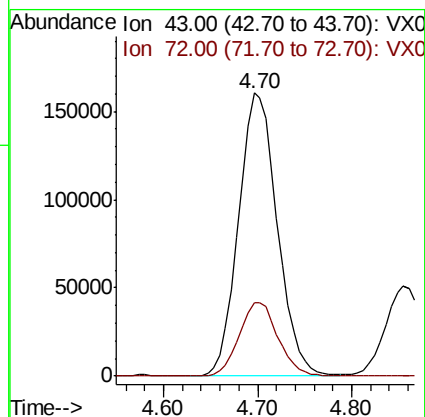
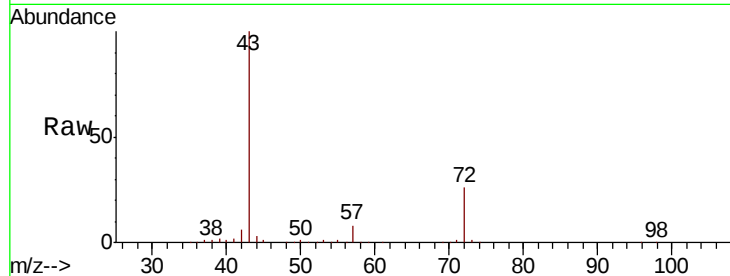
72 26.0 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 42.074 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX007989.D

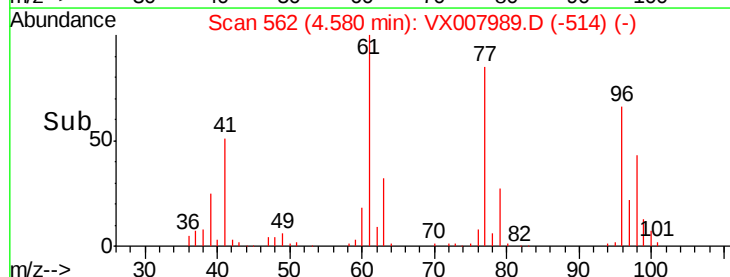
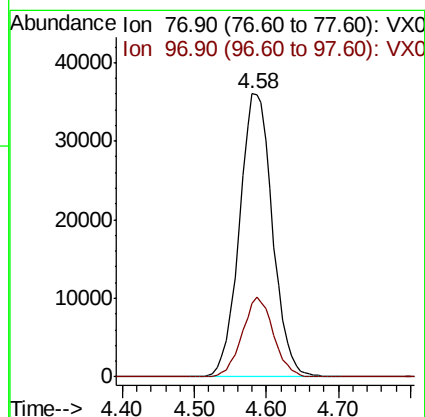
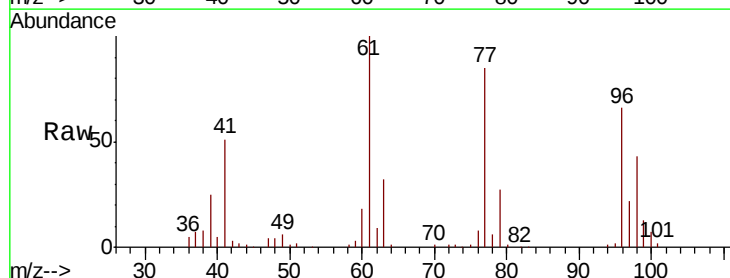
Acq: 11 Mar 2019 23:49

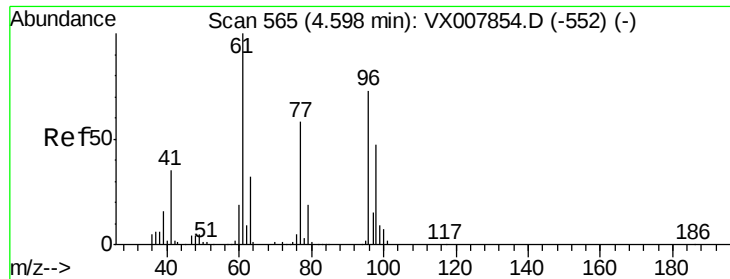
Tgt Ion: 77 Resp: 114622

Ion Ratio Lower Upper

77 100

97 26.7 12.2 36.6





#27

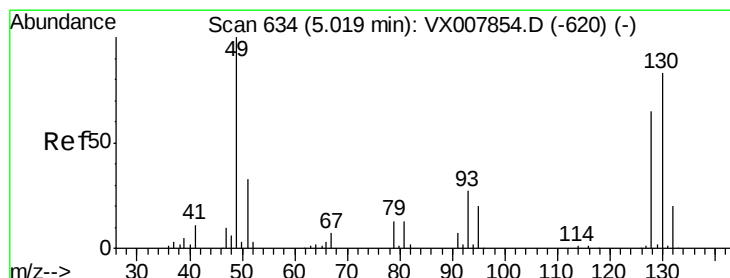
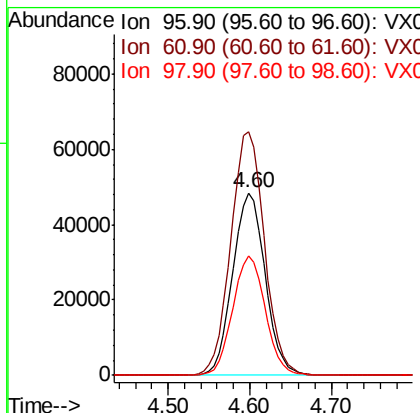
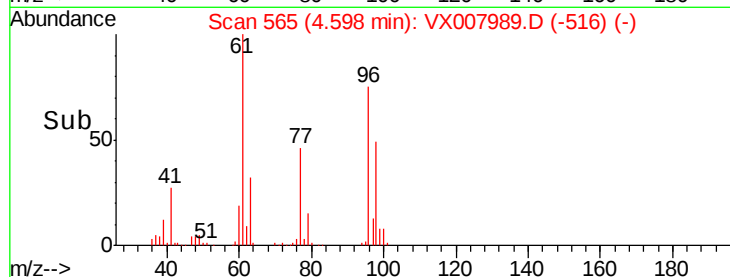
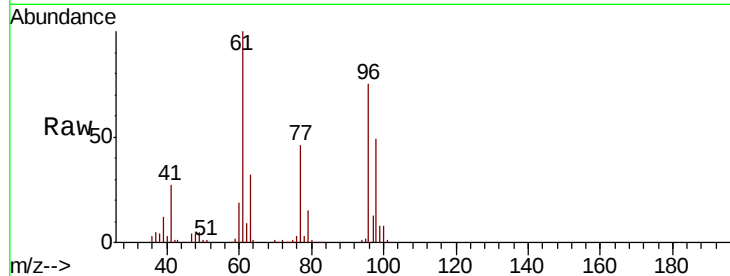
cis-1,2-Dichloroethene
Concen: 53.506 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MSD

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	133642		
61	138.2	0.0	288.0	
98	65.6	0.0	129.0	

Manual Integrations
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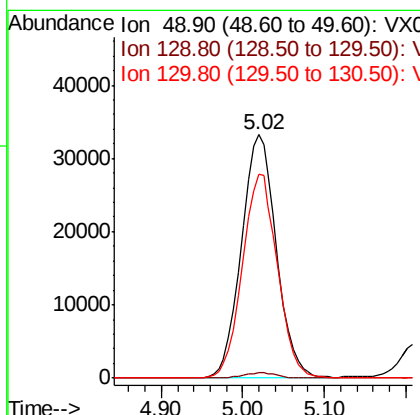
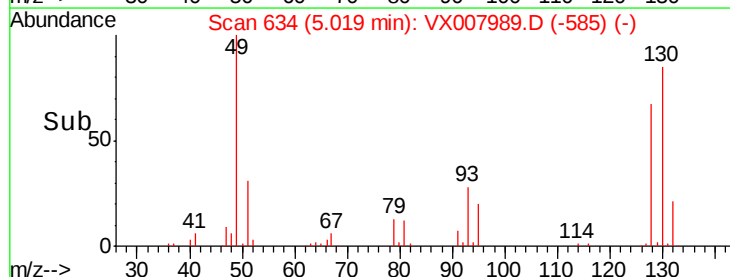
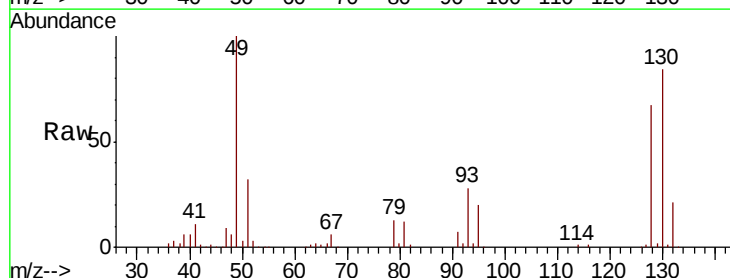
MMDadoda
3/12/2019 2:20:59 PM

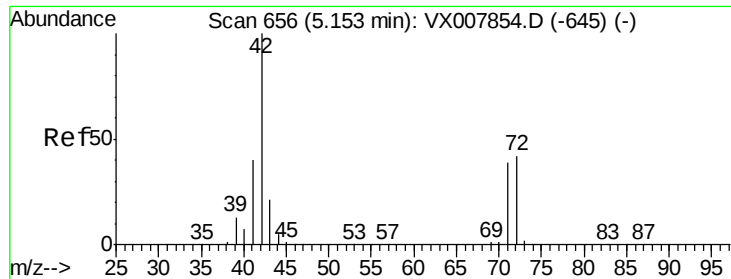


#28

Bromochloromethane
Concen: 51.601 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	98923		
129	2.1	0.0	4.0	
130	83.7	65.0	97.4	





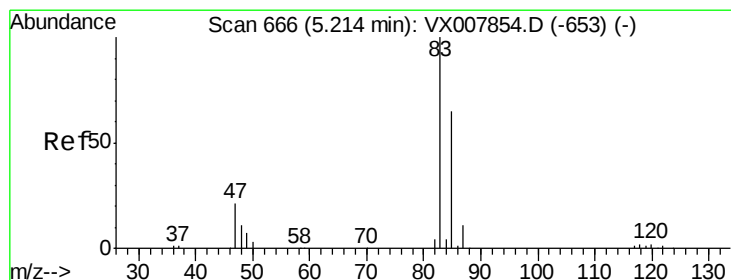
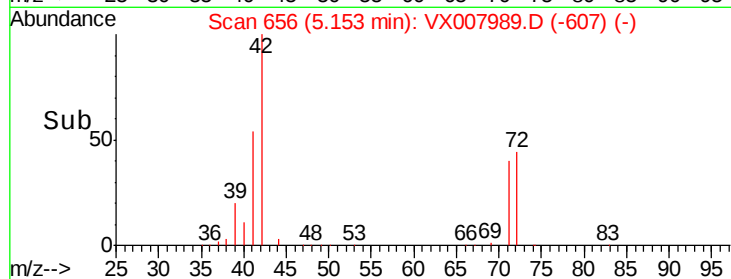
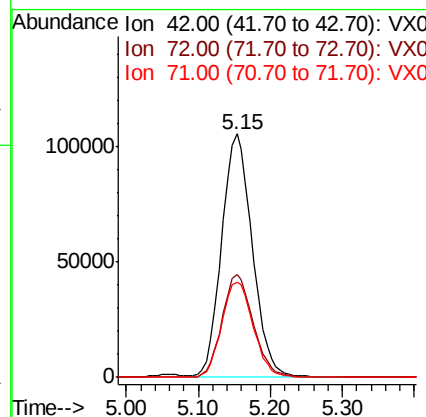
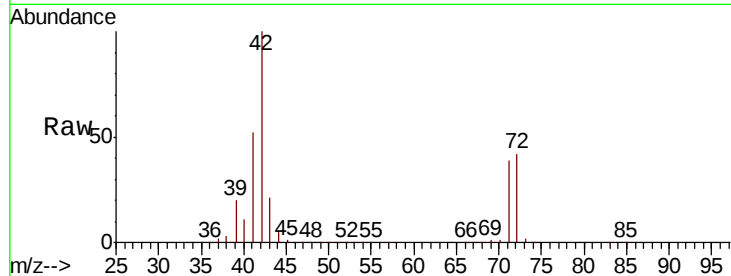
#29
Tetrahydrofuran
Concen: 248.458 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MSD

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.1	33.8	50.6
71	40.3	31.5	47.3

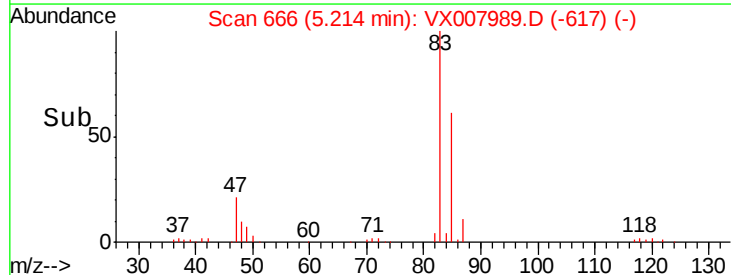
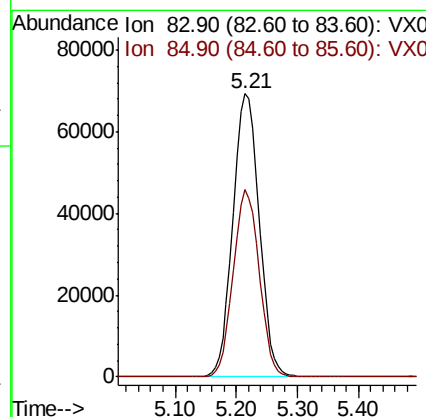
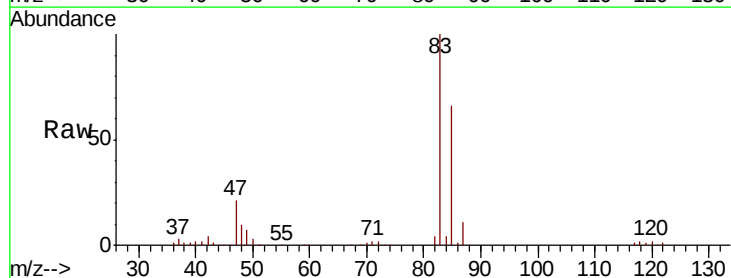
Manual Integrations
APPROVED

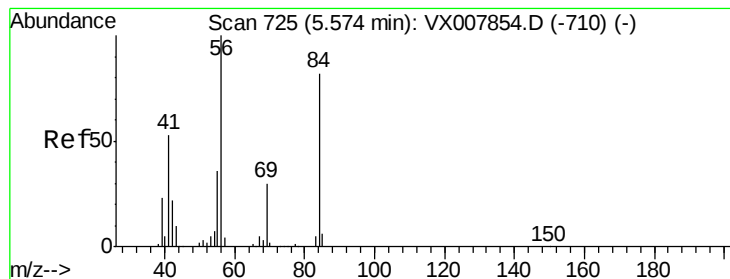
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#30
Chloroform
Concen: 52.829 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.8	77.6





#31

Cyclohexane

Concen: 48.468 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Instrument :

MSVOA_X

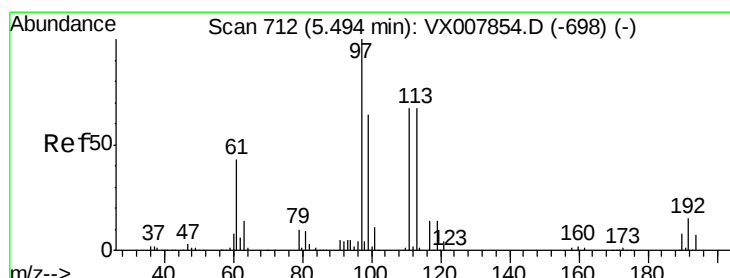
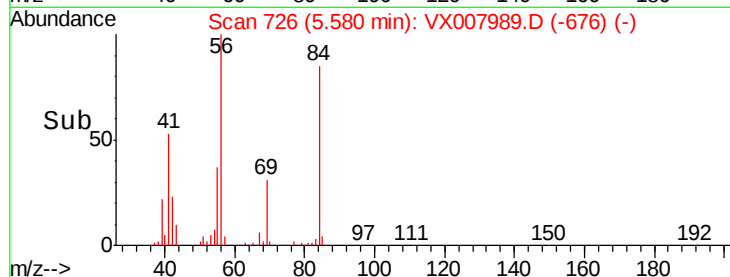
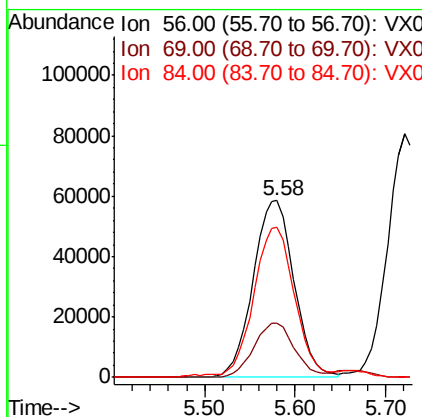
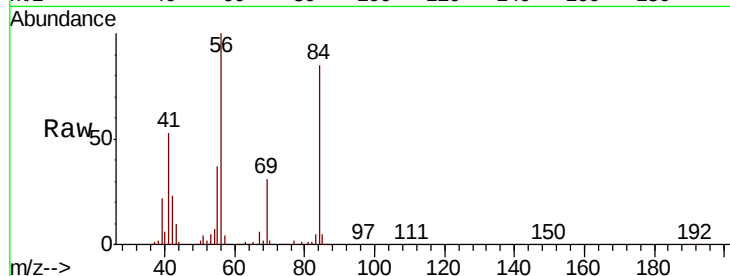
ClientSampleId :

RE122D2-20190308MSD

Tgt Ion:	56	Resp:	183176
Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.0	36.0
84	84.1	65.3	97.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.434 ug/l

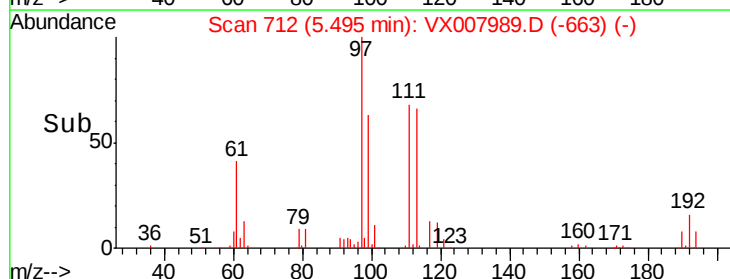
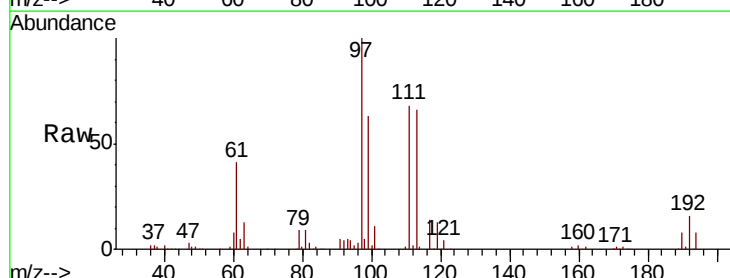
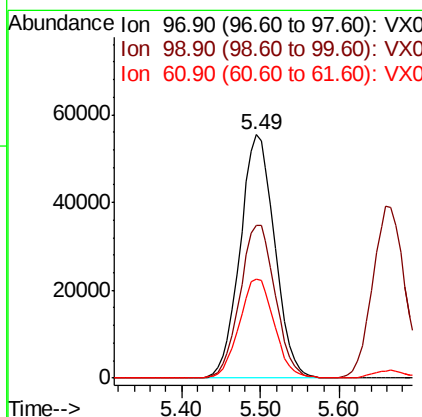
RT: 5.49 min Scan# 712

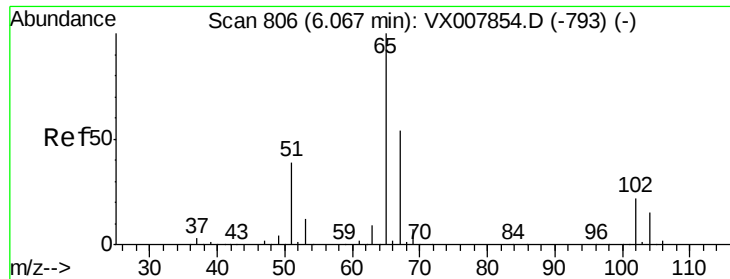
Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Tgt Ion:	97	Resp:	169225
Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.2	78.2
61	41.4	34.9	52.3





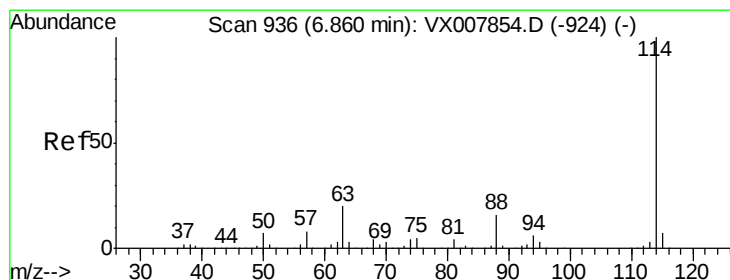
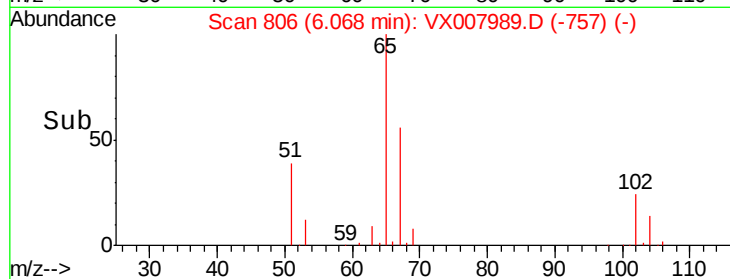
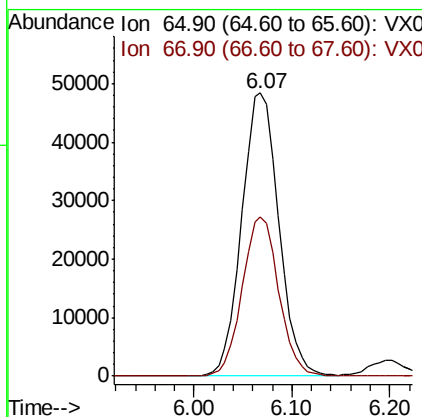
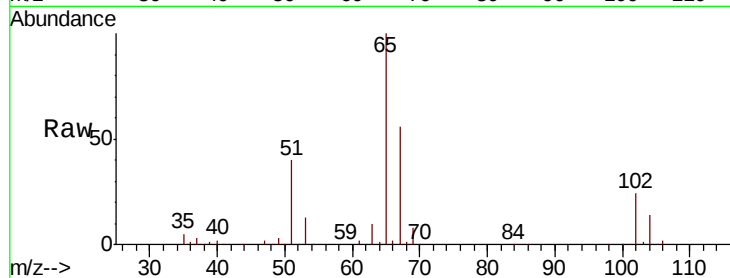
#33
 1,2-Dichloroethane-d4
 Concen: 51.950 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007989.D
 Acq: 11 Mar 2019 23:49

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-20190308MSD

Tgt Ion: 65 Resp: 127777
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 110.0

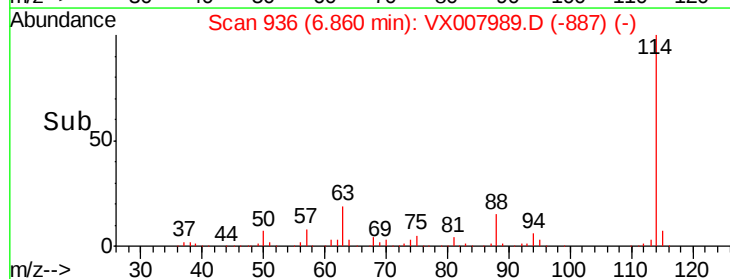
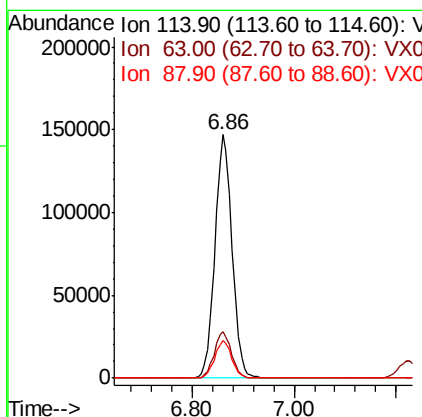
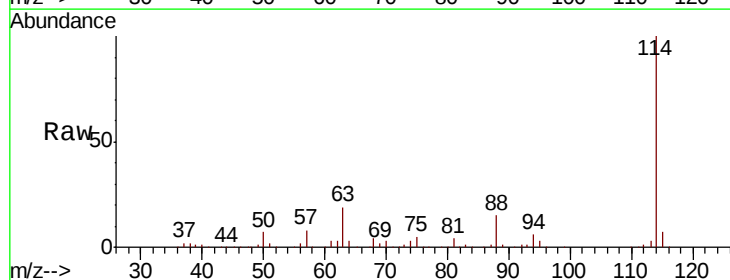
Manual Integrations
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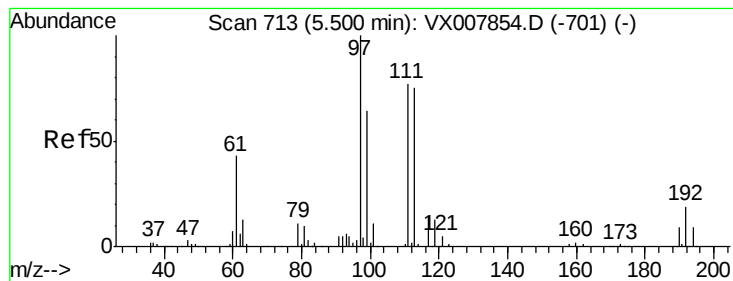
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007989.D
 Acq: 11 Mar 2019 23:49

Tgt Ion: 114 Resp: 343110
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.8
 88 15.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.387 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Instrument :

MSVOA_X

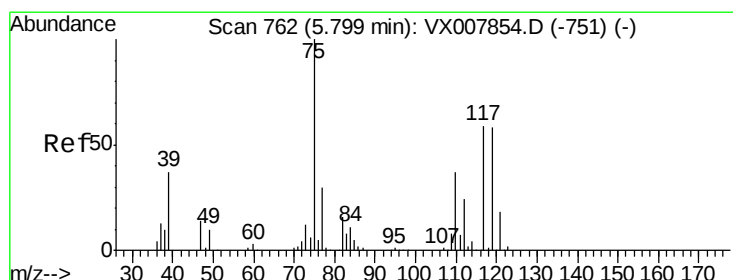
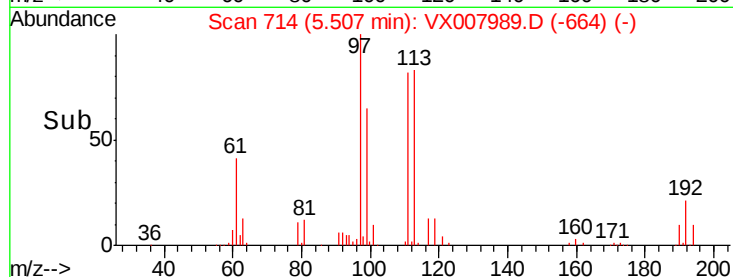
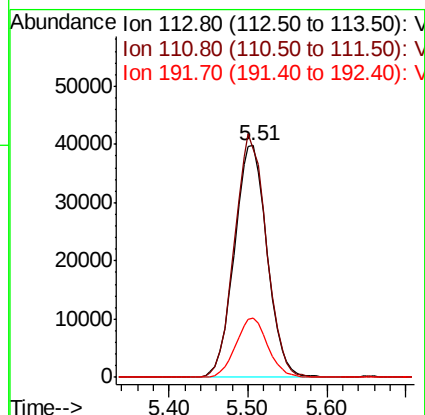
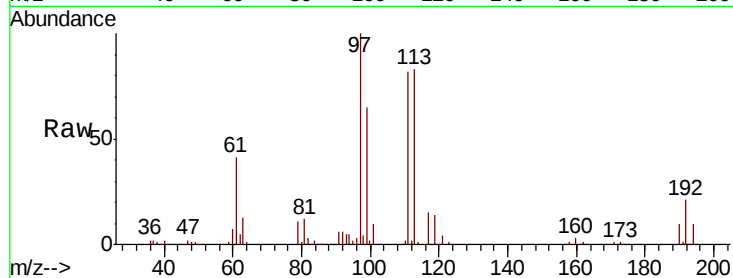
ClientSampleId :

RE122D2-20190308MSD

Tgt Ion:	113	Resp:	114977
Ion Ratio	Lower	Upper	
113	100		
111	102.4	81.4	122.0
192	24.9	19.4	29.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.973 ug/l

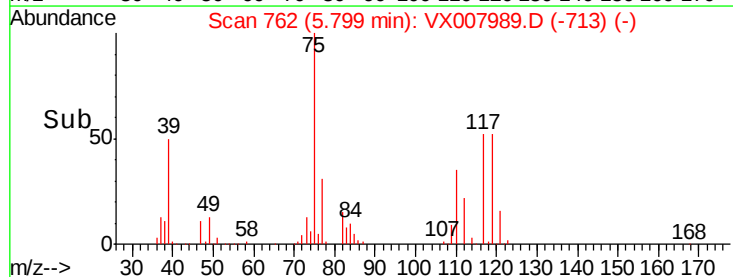
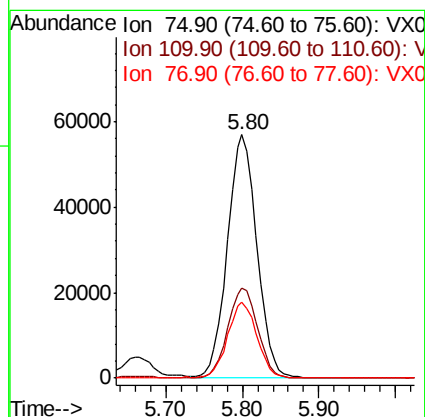
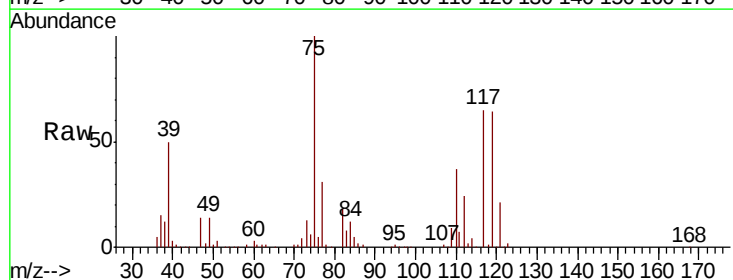
RT: 5.80 min Scan# 762

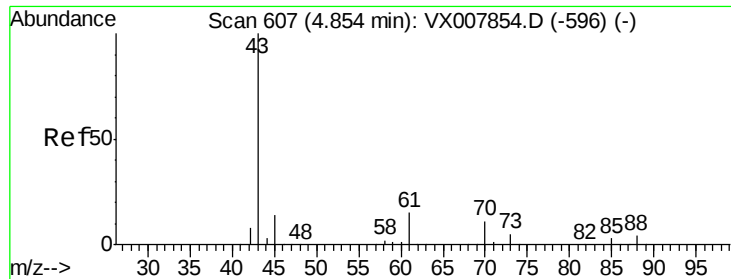
Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Tgt Ion:	75	Resp:	152147
Ion Ratio	Lower	Upper	
75	100		
110	37.3	18.4	55.0
77	31.0	25.0	37.4





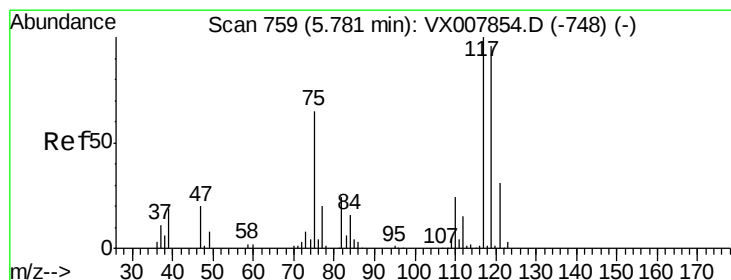
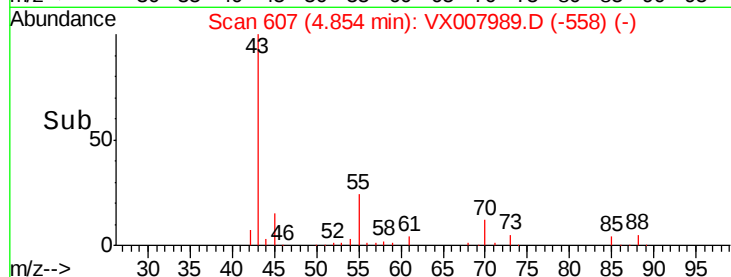
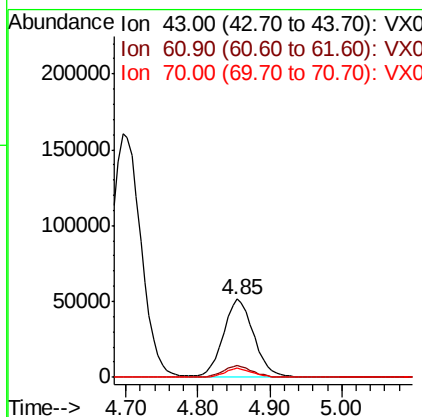
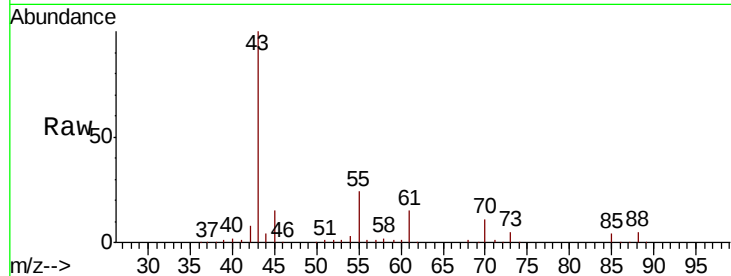
#37
Ethyl Acetate
Concen: 40.730 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MSD

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.3	16.9
70	11.0	8.5	12.7

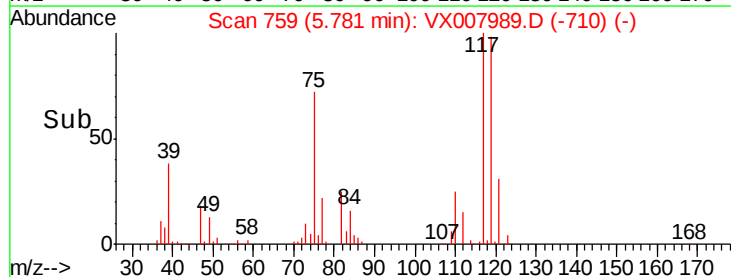
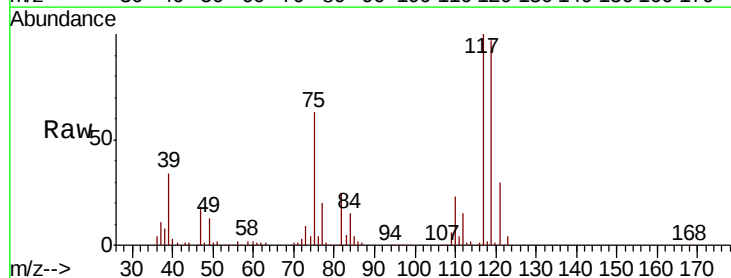
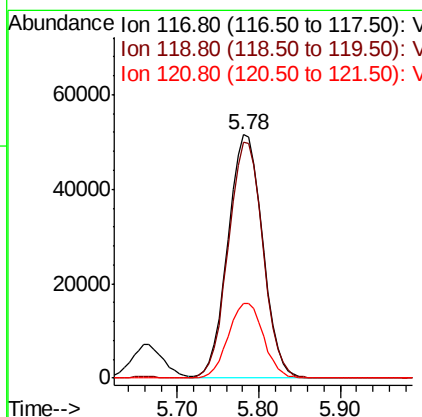
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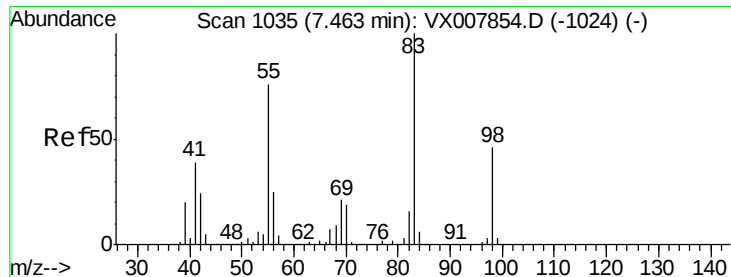
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#38
Carbon Tetrachloride
Concen: 51.724 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.2	114.2
121	30.5	24.6	36.8





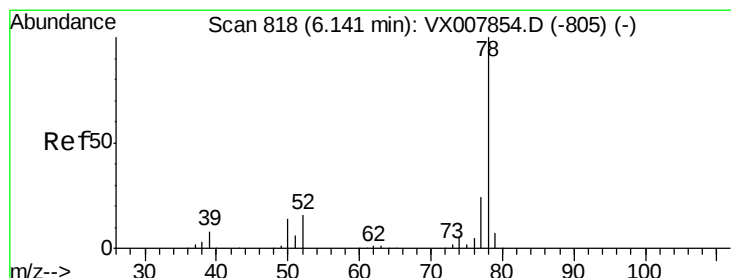
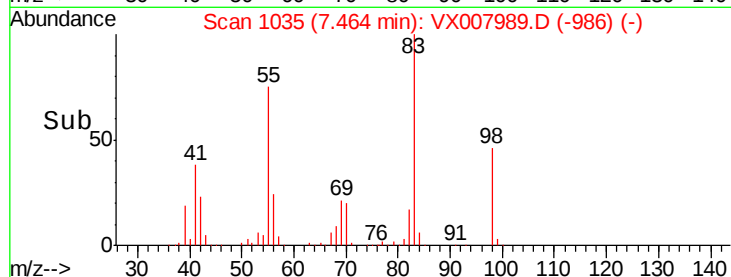
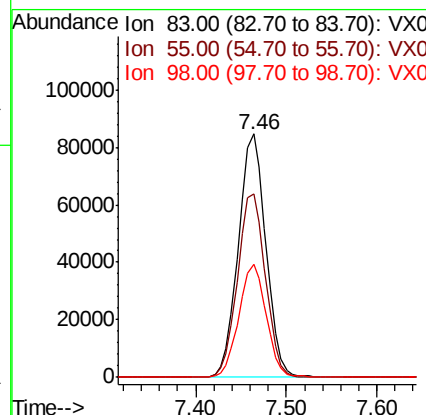
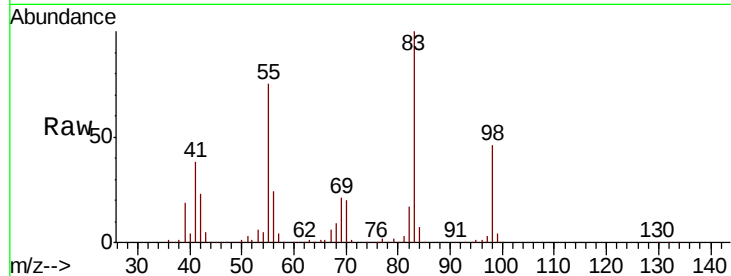
#39
Methylcyclohexane
Concen: 47.336 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MSD

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.1	60.4	90.6
98	46.4	36.5	54.7

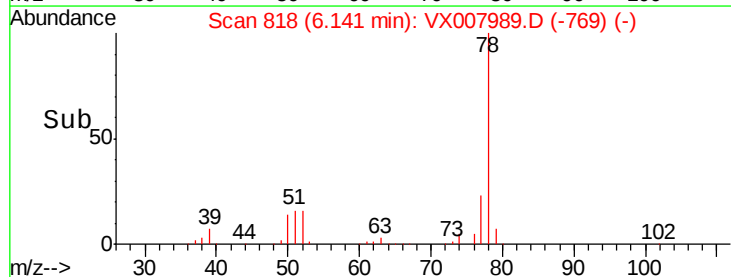
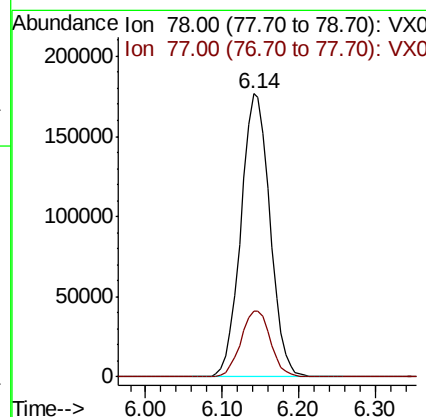
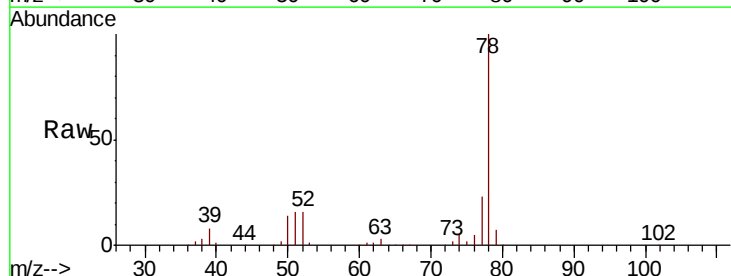
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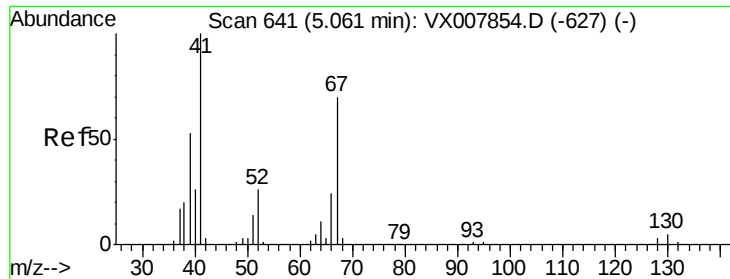
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#40
Benzene
Concen: 50.206 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4





#41

Methacrylonitrile

Concen: 48.911 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Instrument :

MSVOA_X

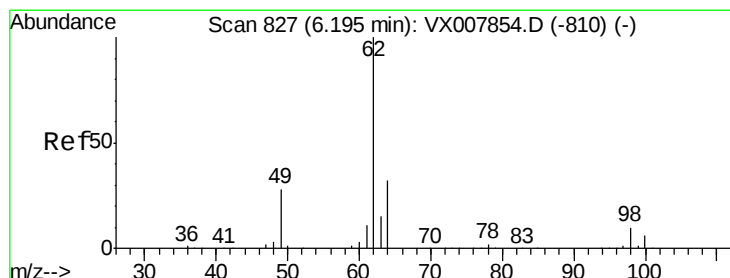
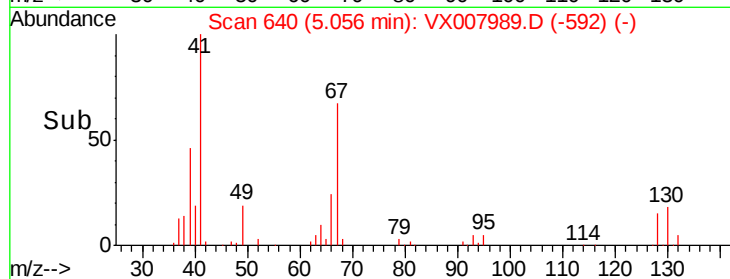
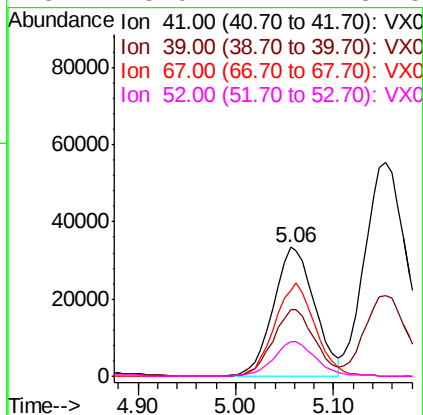
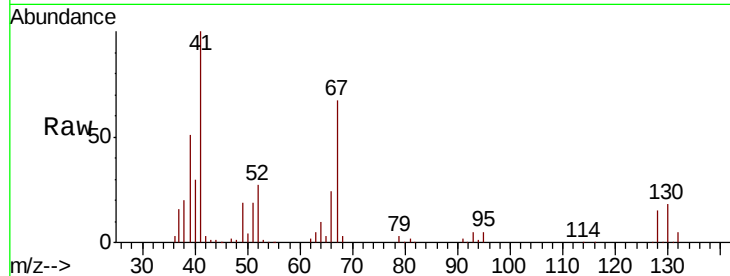
ClientSampleId :

RE122D2-20190308MSD

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.3	41.6	62.4	
67	71.3	55.8	83.6	
52	28.0	21.7	32.5	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 50.029 ug/l

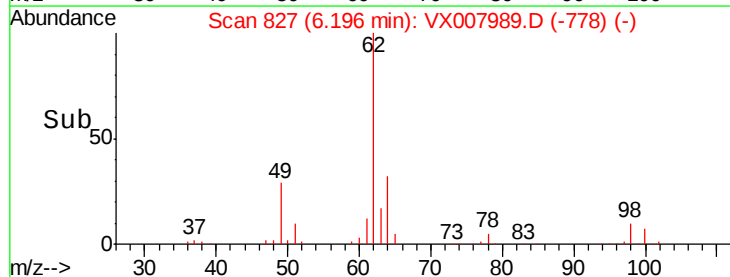
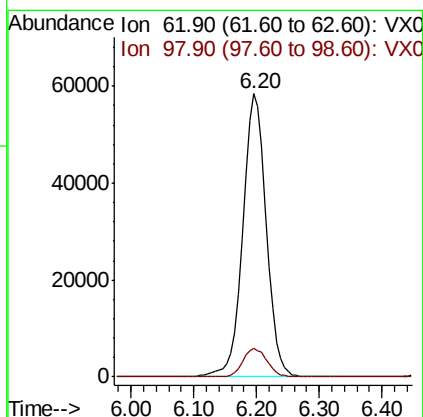
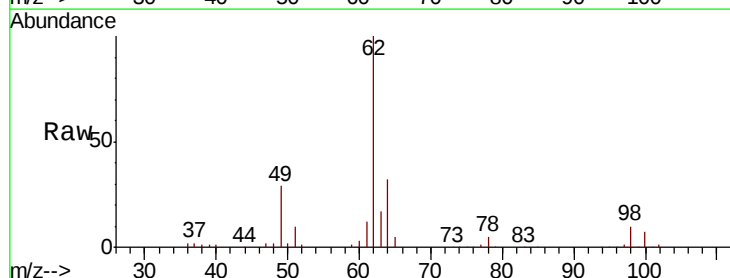
RT: 6.20 min Scan# 827

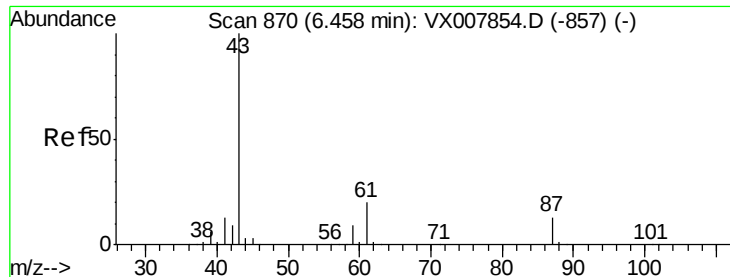
Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	20.4	





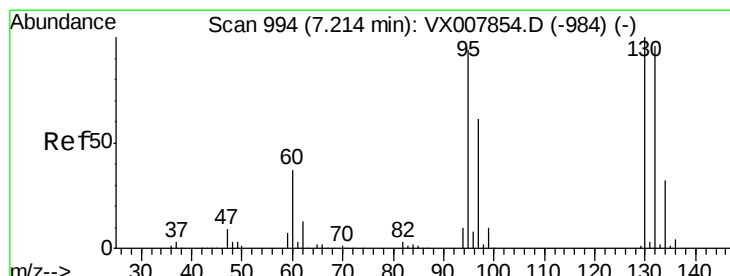
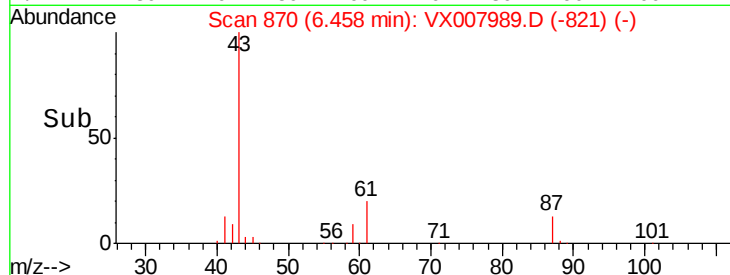
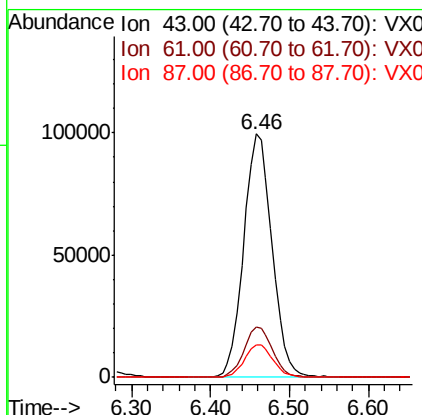
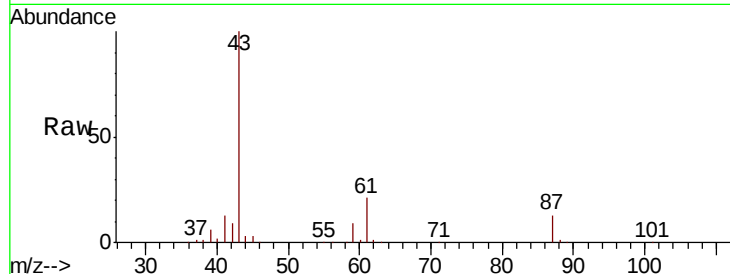
#43
Isopropyl Acetate
Concen: 45.461 ug/l
RT: 6.46 min Scan# 870
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MSD

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

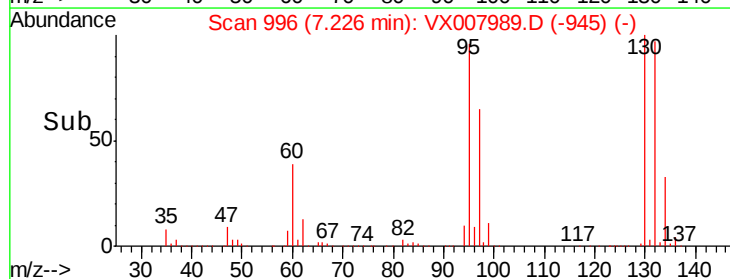
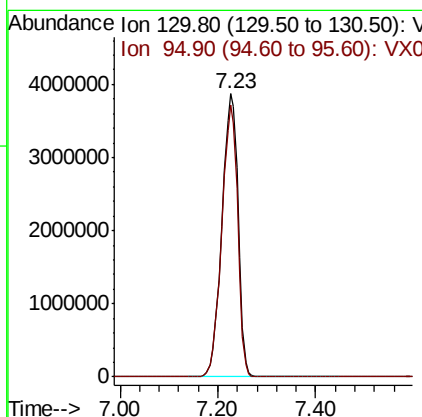
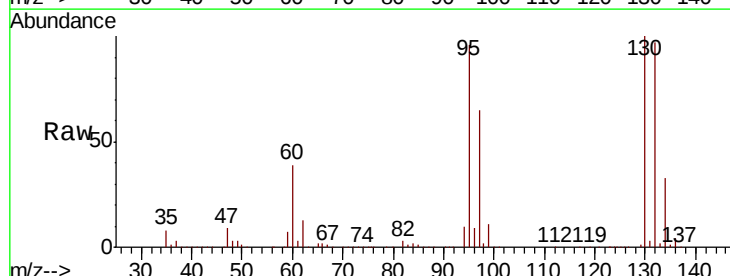
Manual Integrations
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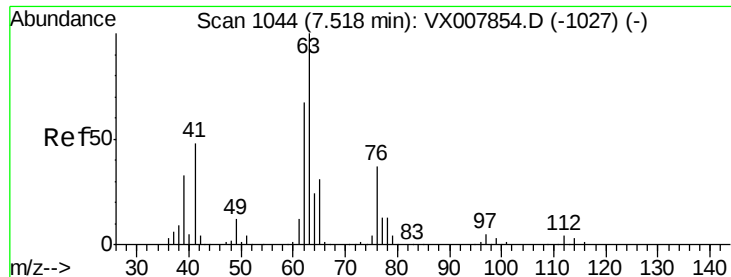
MMDadoda
3/12/2019 2:20:59 PM



#44
Trichloroethene
Concen: 3471.956 ug/l
RT: 7.23 min Scan# 996
Delta R.T. 0.01 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	188.0





#45

1,2-Dichloropropane

Concen: 49.586 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20190308MSD

Tgt Ion: 63 Resp: 121132

Ion Ratio Lower Upper

63 100

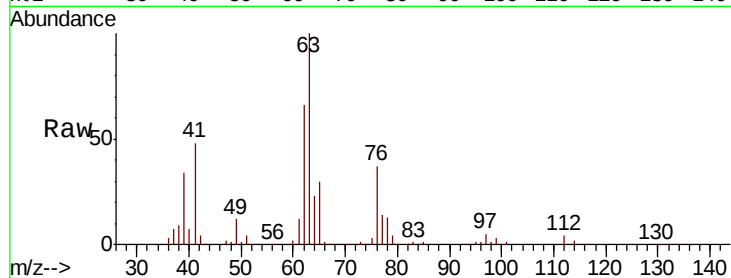
65 30.0 24.7 37.1

Manual Integrations

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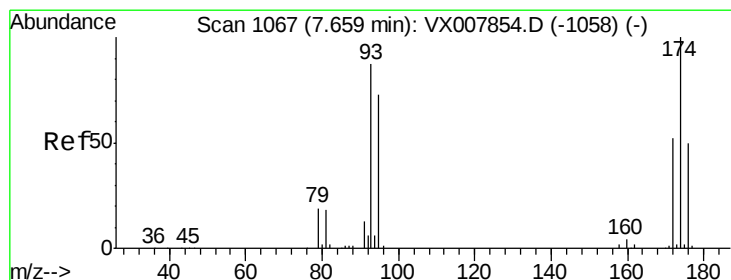
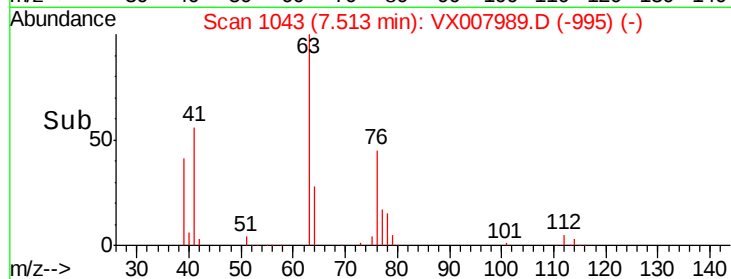
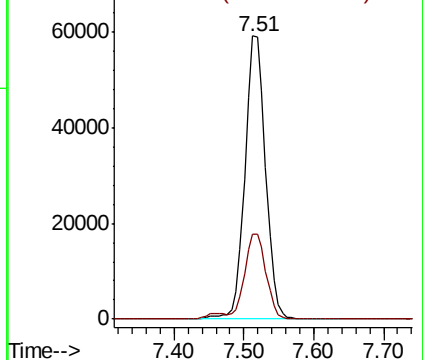
MMDadoda

3/12/2019 2:20:59 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 50.037 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

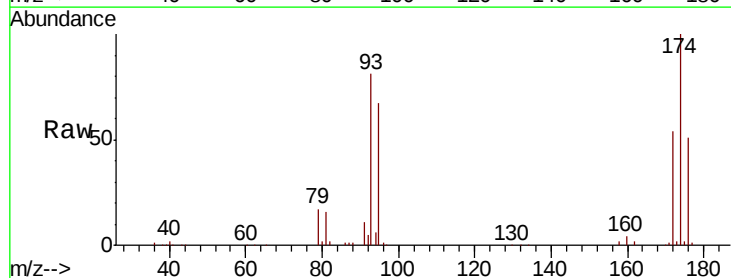
Tgt Ion: 93 Resp: 77356

Ion Ratio Lower Upper

93 100

95 83.6 66.8 100.2

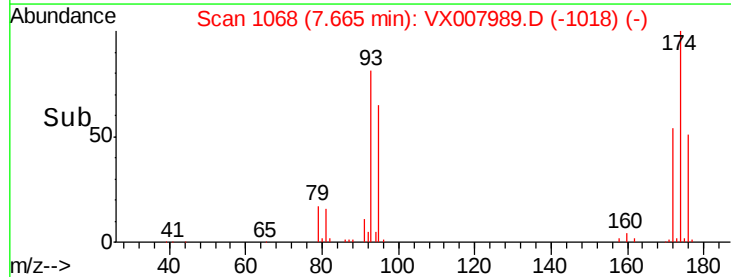
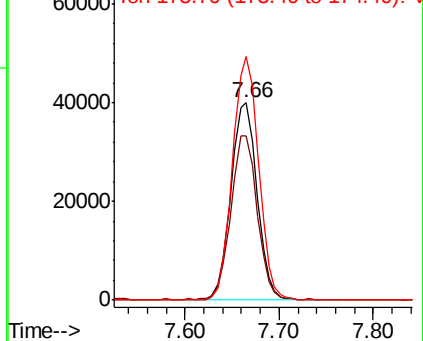
174 123.4 97.3 145.9

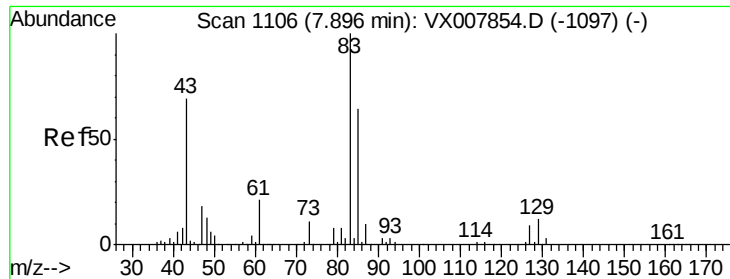


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.730 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Instrument :

MSVOA_X

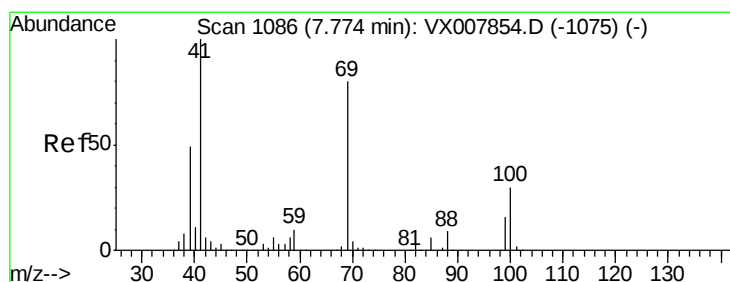
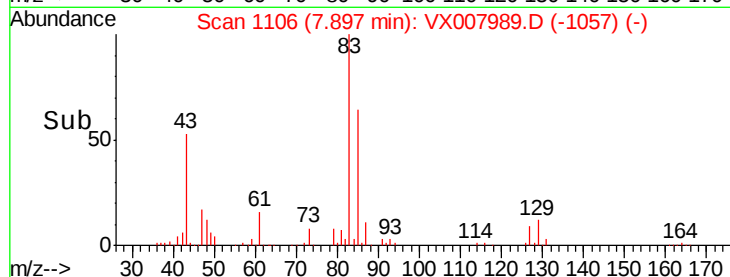
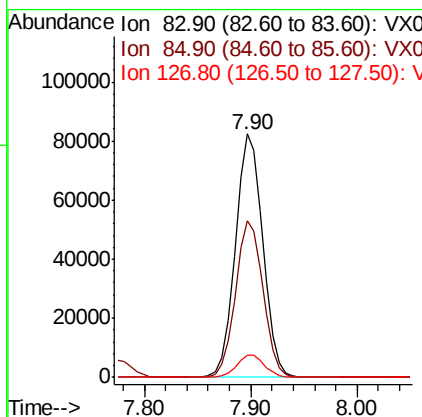
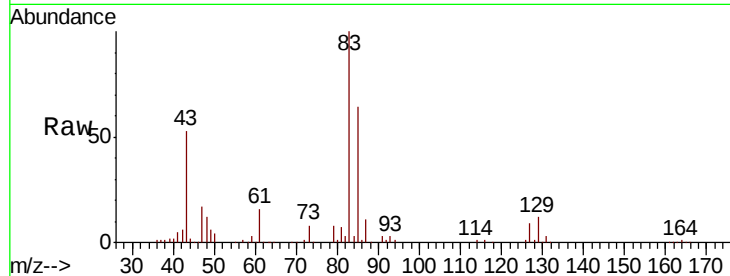
ClientSampleId :

RE122D2-20190308MSD

Tgt Ion:	83	Resp:	148692
Ion Ratio	Lower	Upper	
83	100		
85	64.5	50.9	76.3
127	9.3	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.655 ug/l

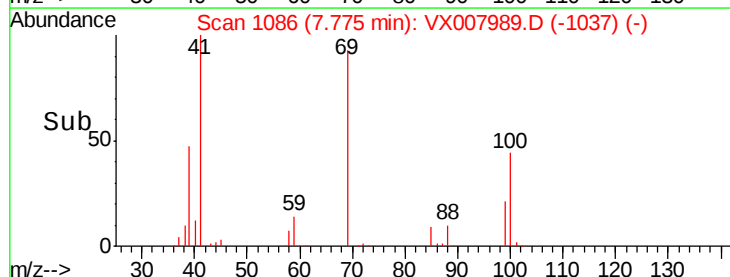
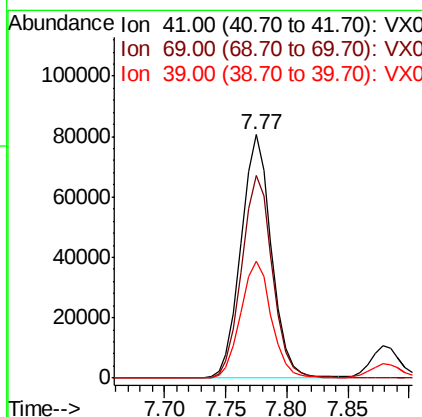
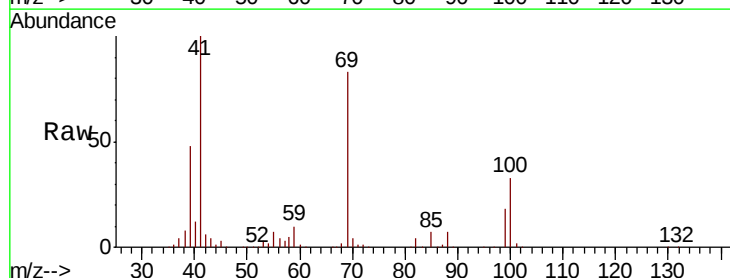
RT: 7.77 min Scan# 1086

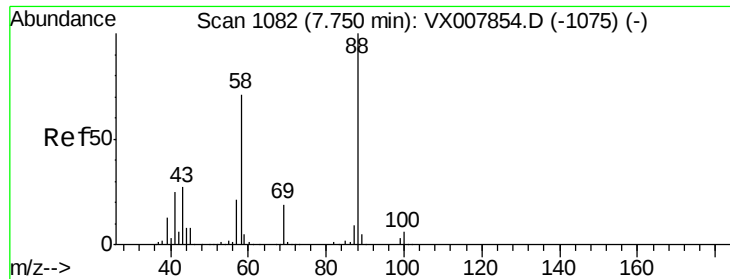
Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Tgt Ion:	41	Resp:	139579
Ion Ratio	Lower	Upper	
41	100		
69	84.1	65.2	97.8
39	48.5	39.4	59.2





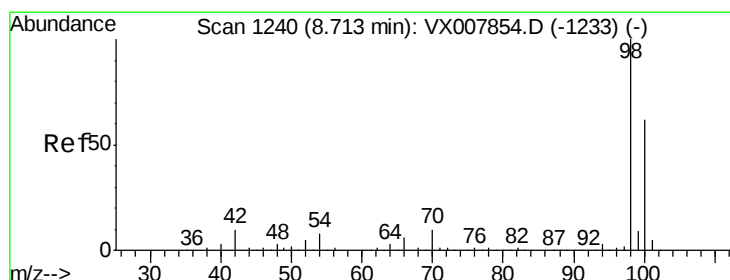
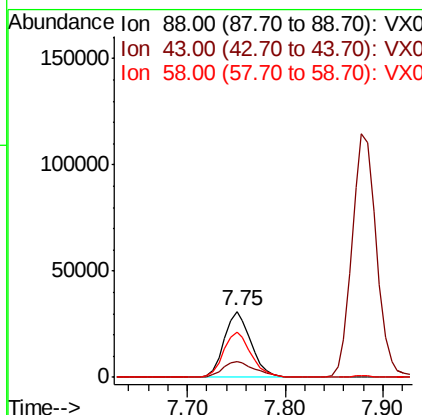
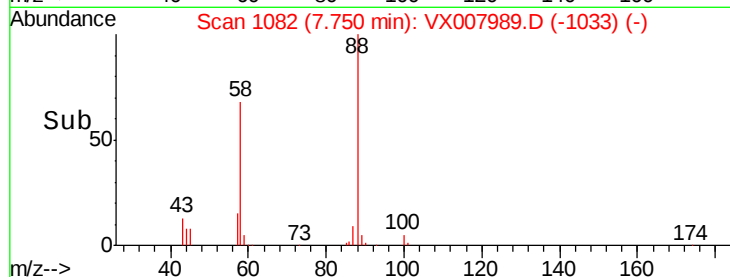
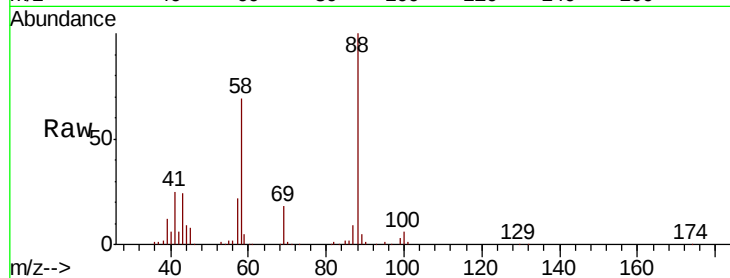
#49
1,4-Dioxane
Concen: 995.792 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MSD

Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.1	25.1	37.7
58	71.4	57.8	86.6

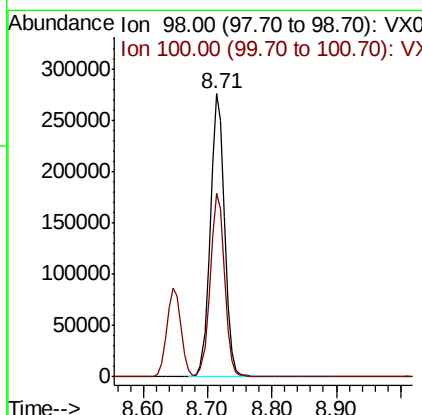
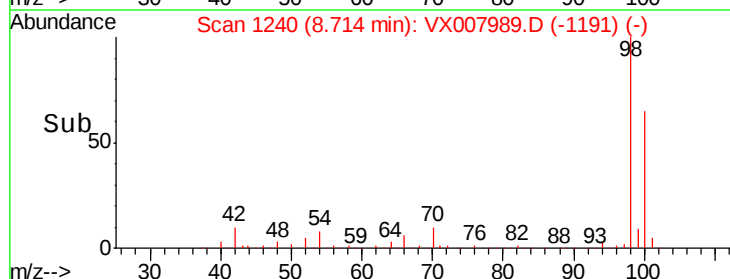
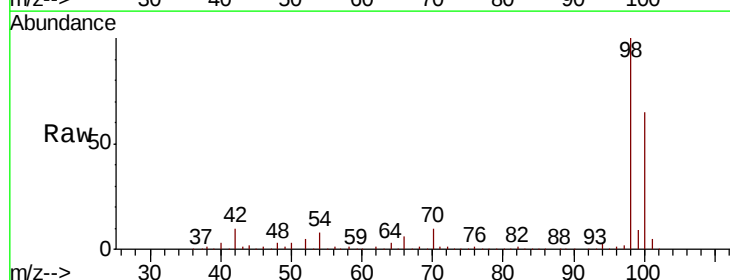
Manual Integrations
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3/12/2019 2:20:59 PM



#50
Toluene-d8
Concen: 53.253 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.7	77.5





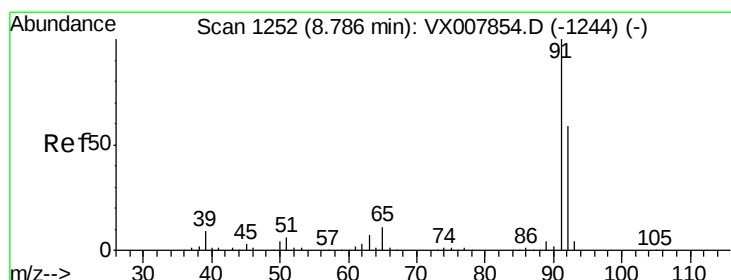
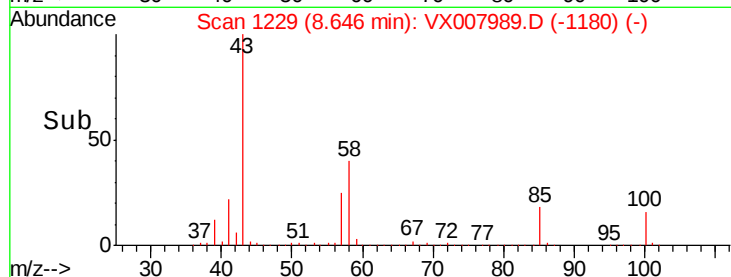
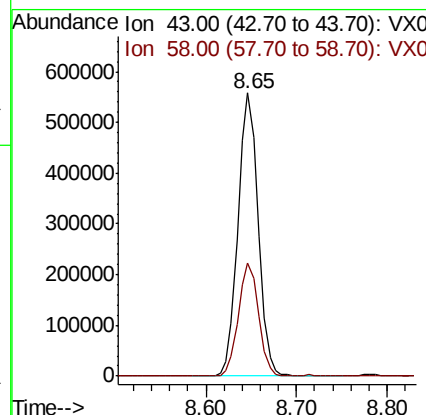
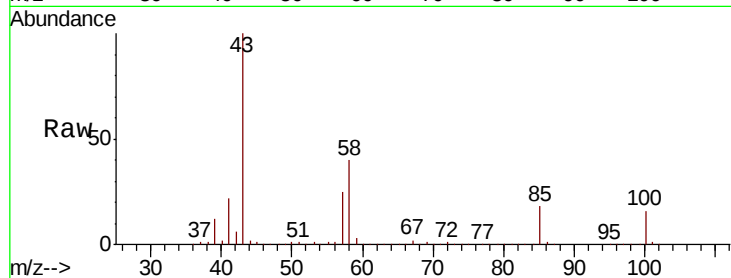
#51
4-Methyl-2-Pentanone
Concen: 245.388 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MSD

Tgt Ion: 43 Resp: 861066
Ion Ratio Lower Upper
43 100
58 39.8 31.3 46.9

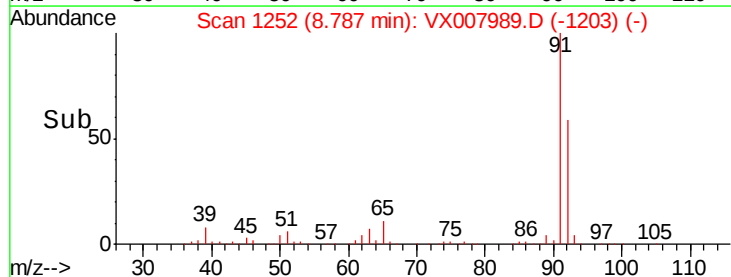
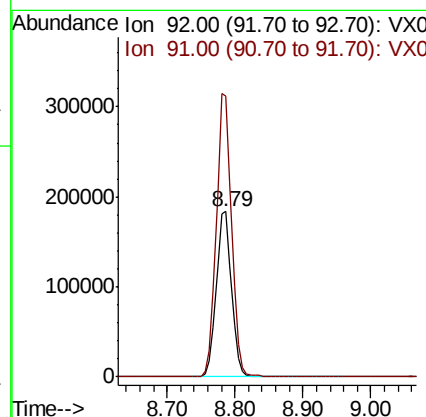
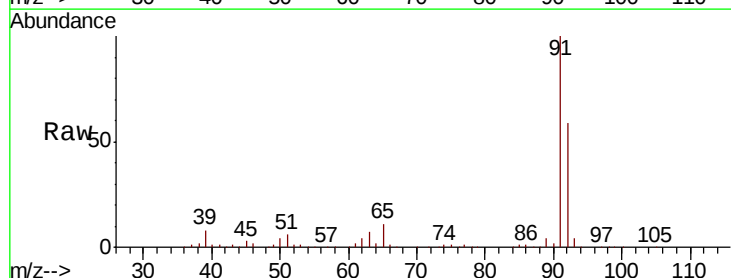
Manual Integrations
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3/12/2019 2:20:59 PM



#52
Toluene
Concen: 50.788 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Tgt Ion: 92 Resp: 286792
Ion Ratio Lower Upper
92 100
91 171.6 137.4 206.0





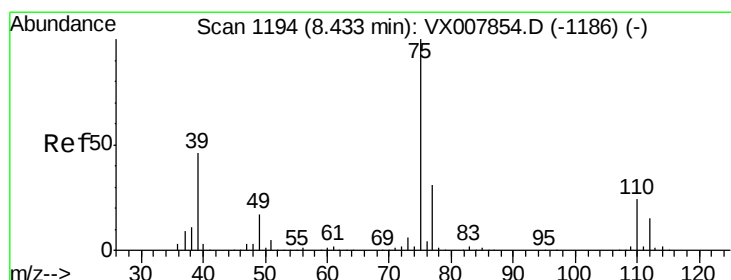
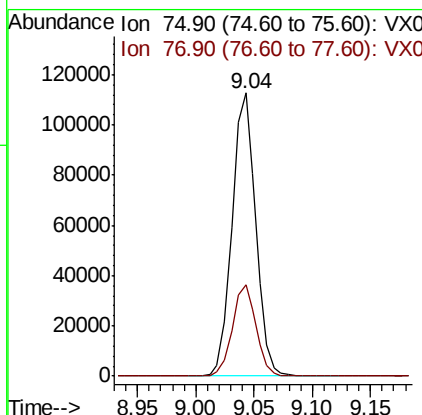
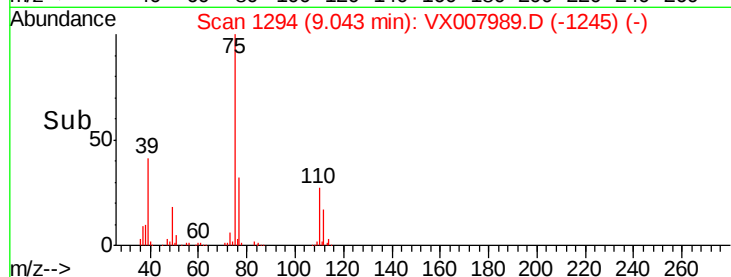
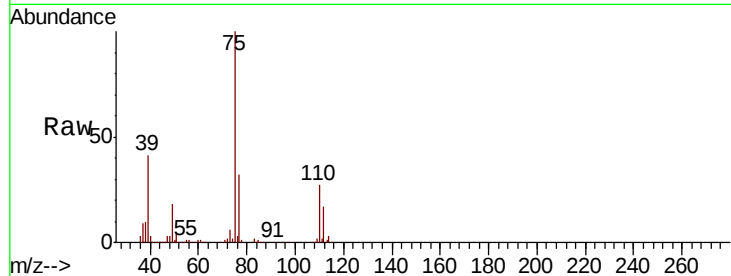
#53
t-1,3-Dichloropropene
Concen: 52.165 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MSD

Tgt Ion: 75 Resp: 159587
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.0

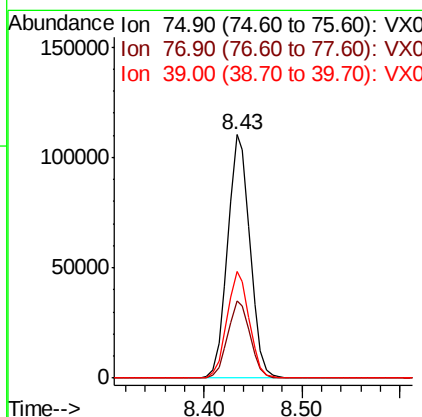
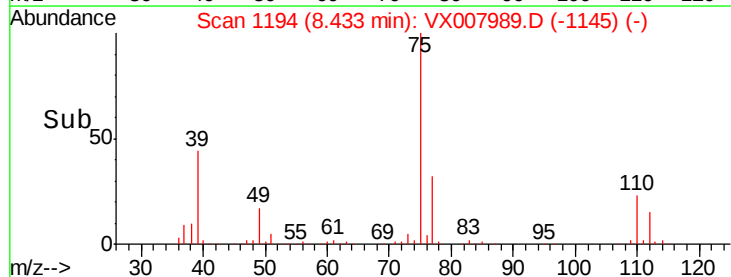
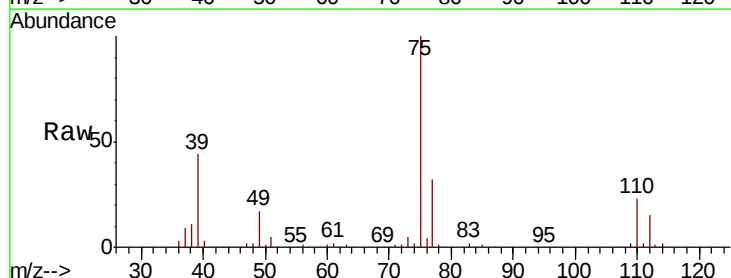
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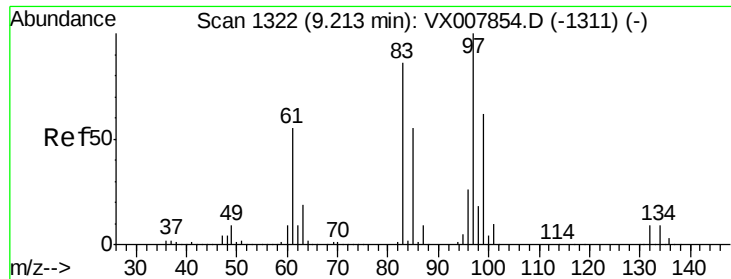
MMDadoda
3/12/2019 2:20:59 PM



#54
cis-1,3-Dichloropropene
Concen: 50.507 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Tgt Ion: 75 Resp: 174488
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.6
39 43.8 36.6 54.8





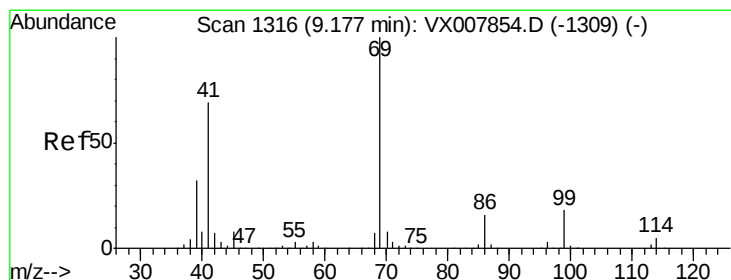
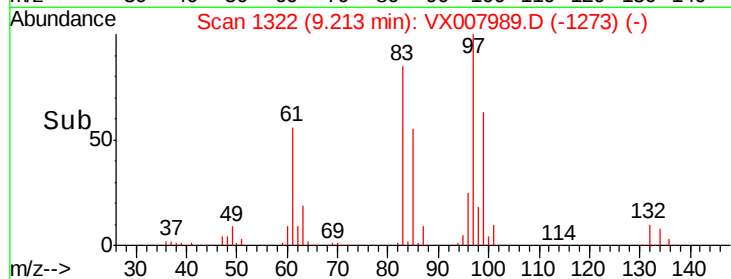
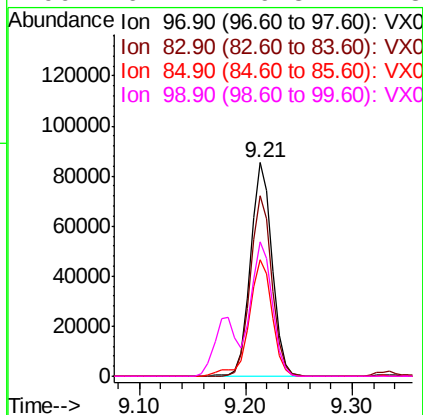
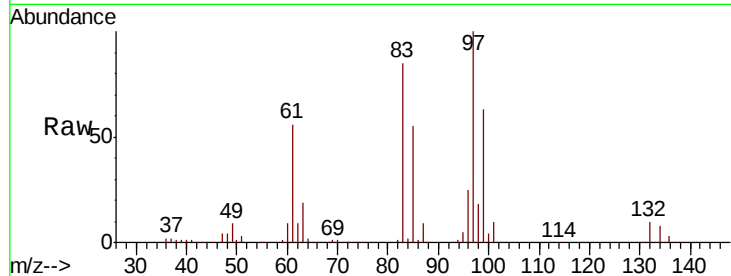
#55
 1,1,2-Trichloroethane
 Concen: 53.050 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007989.D
 Acq: 11 Mar 2019 23:49

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-20190308MSD

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	121267		
83	84.6	69.1	103.7	
85	54.8	44.3	66.5	
99	62.7	49.8	74.8	

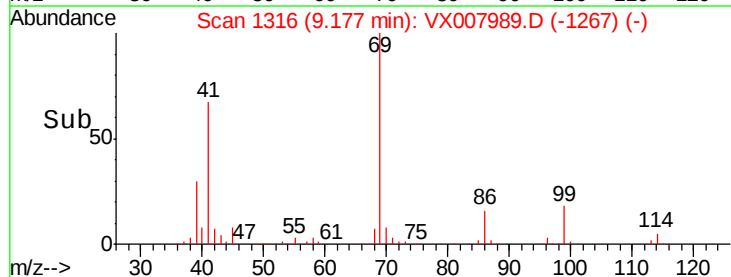
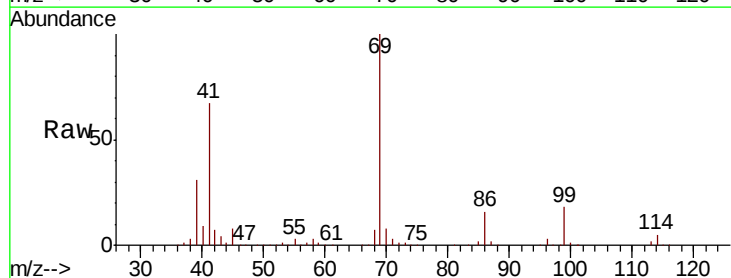
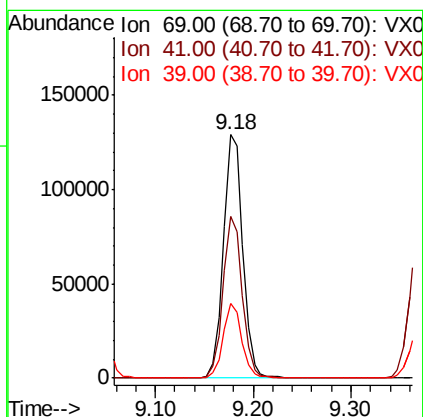
Manual Integrations
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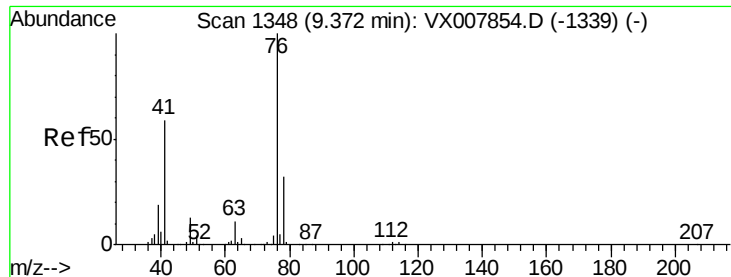
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 3/12/2019 2:20:59 PM



#56
 Ethyl methacrylate
 Concen: 51.823 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007989.D
 Acq: 11 Mar 2019 23:49

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	177864		
41	65.6	54.2	81.4	
39	29.8	25.0	37.4	





#57

1,3-Dichloropropane

Concen: 50.589 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20190308MSD

Tgt Ion: 76 Resp: 194166

Ion Ratio Lower Upper

76 100

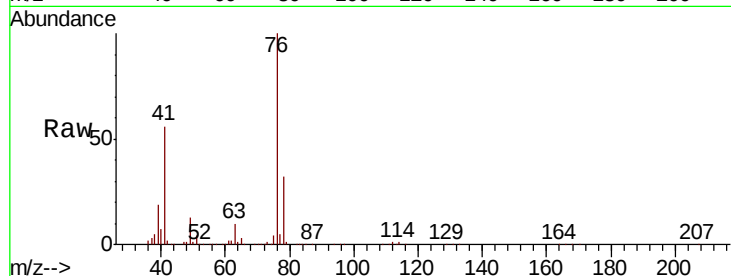
78 31.9 25.5 38.3

Manual Integrations

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3/12/2019 2:20:59 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

150000

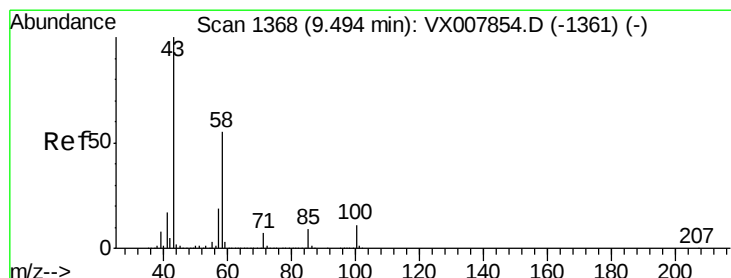
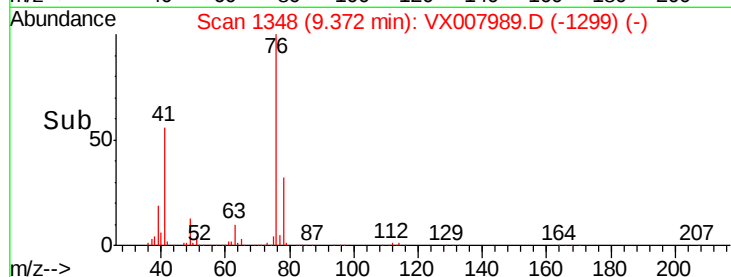
100000

50000

0

9.30 9.40 9.50

Time-->



#59

2-Hexanone

Concen: 237.280 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VX007989.D

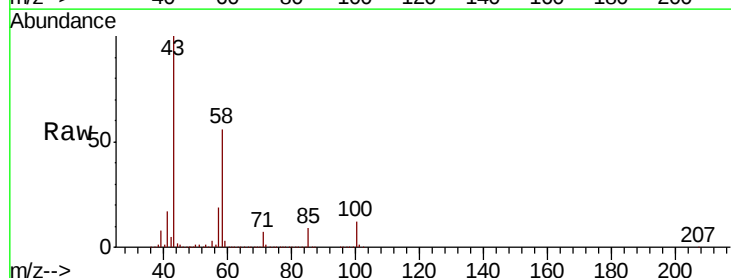
Acq: 11 Mar 2019 23:49

Tgt Ion: 43 Resp: 646425

Ion Ratio Lower Upper

43 100

58 56.1 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

300000

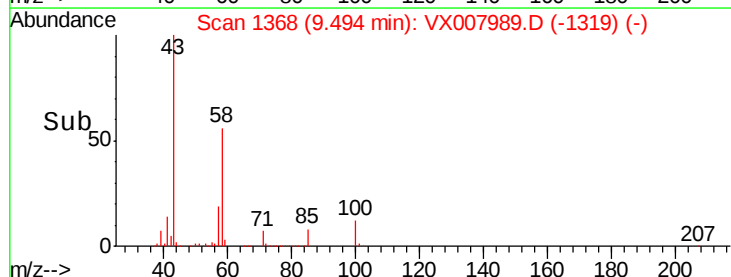
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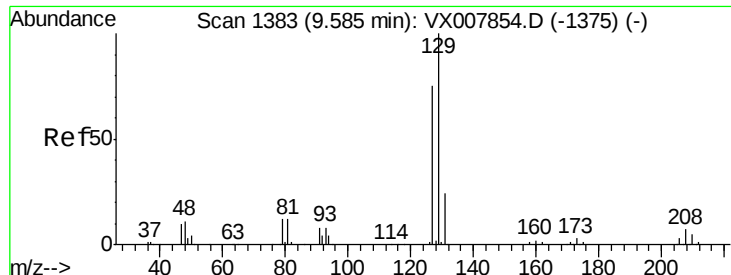
100000

0

9.40 9.50 9.60

Time-->





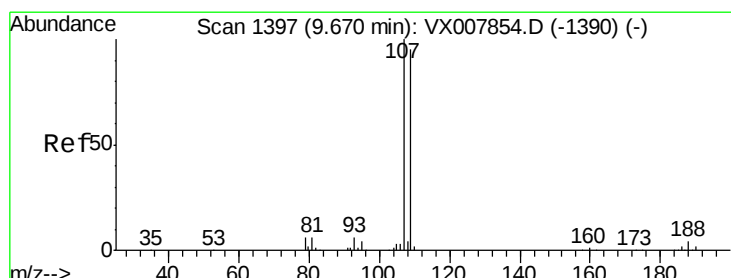
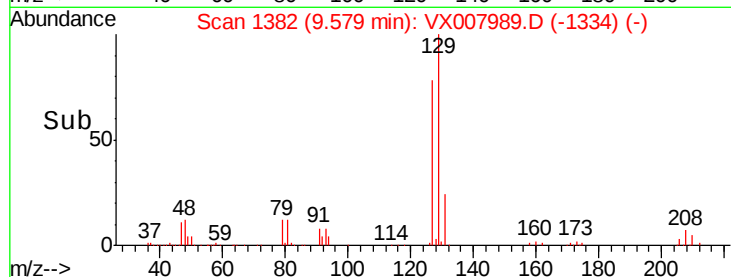
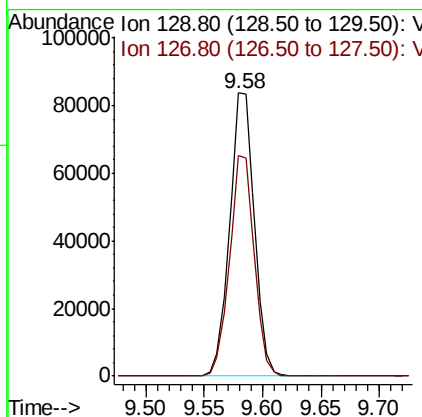
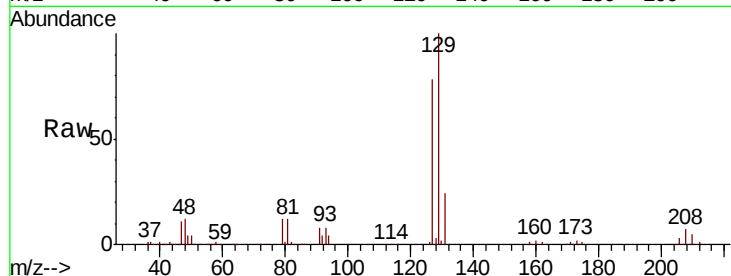
#60
Dibromochloromethane
Concen: 51.685 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MSD

Tgt Ion:129 Resp: 123491
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.8

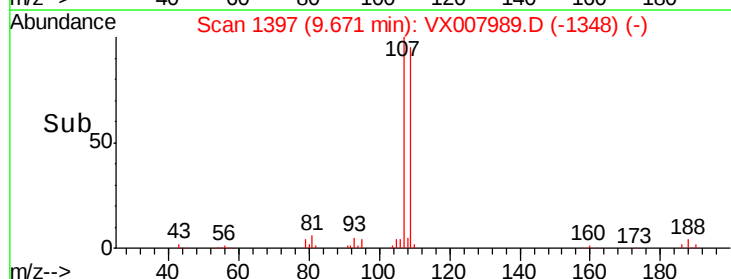
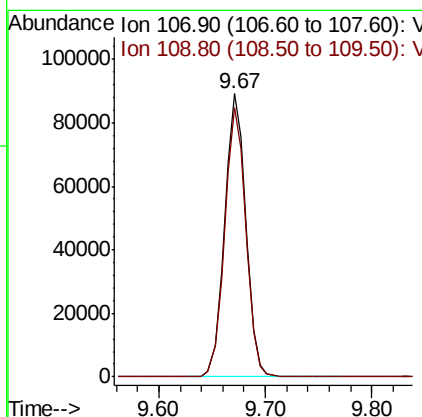
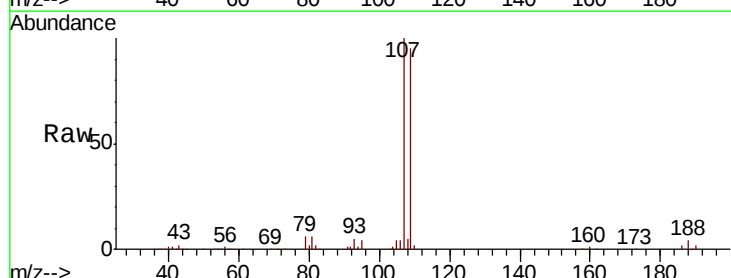
Manual Integrations
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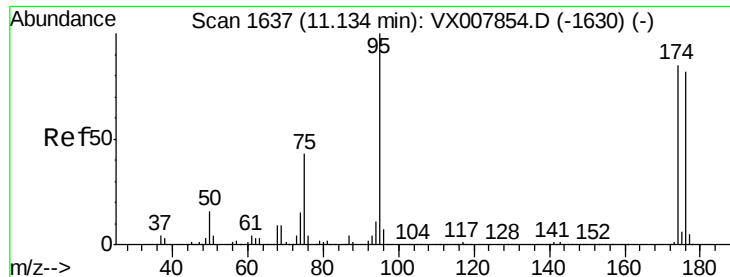
MMDadoda
3/12/2019 2:20:59 PM



#61
1,2-Dibromoethane
Concen: 51.168 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Tgt Ion:107 Resp: 124182
Ion Ratio Lower Upper
107 100
109 95.3 75.8 113.8





#62

4-Bromofluorobenzene

Concen: 53.107 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20190308MSD

Tgt Ion: 95 Resp: 150079

Ion Ratio Lower Upper

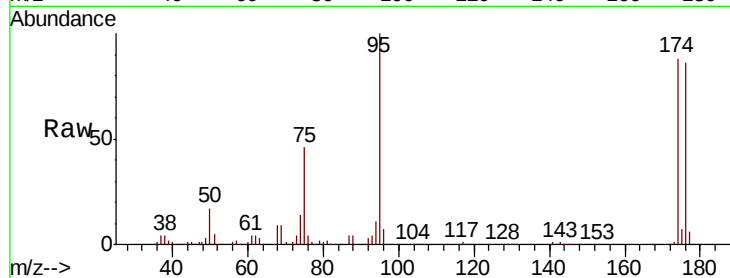
95 100

174 93.9 0.0 182.8

176 91.9 0.0 178.0

Manual Integrations
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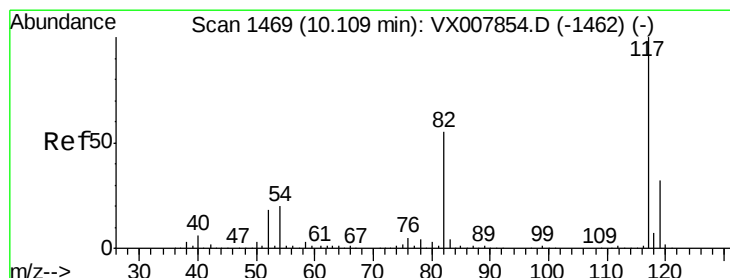
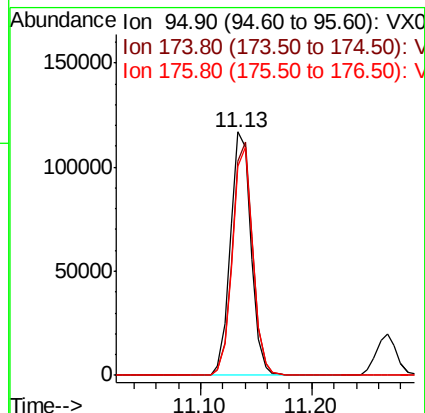
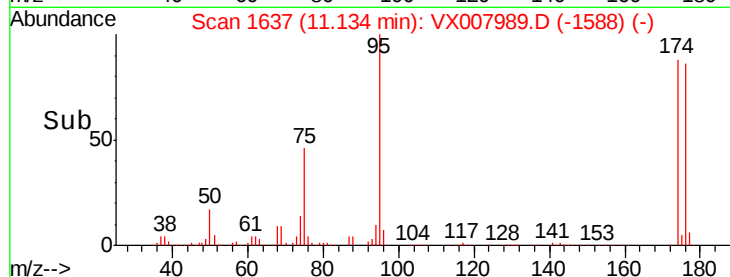


Abundance Ion 94.90 (94.60 to 95.60): VX007854.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX007854.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX007854.D (-1630) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

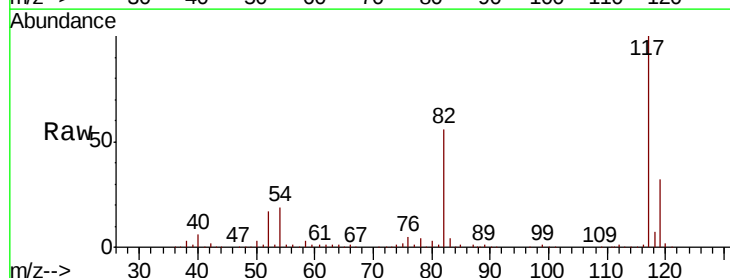
Tgt Ion: 117 Resp: 299912

Ion Ratio Lower Upper

117 100

82 55.8 44.3 66.5

119 32.4 25.3 37.9

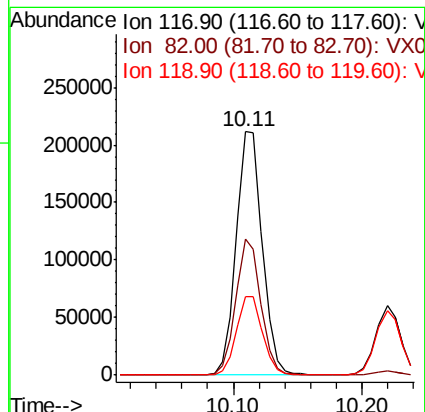
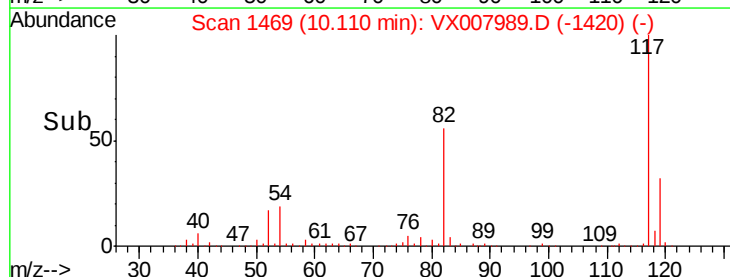


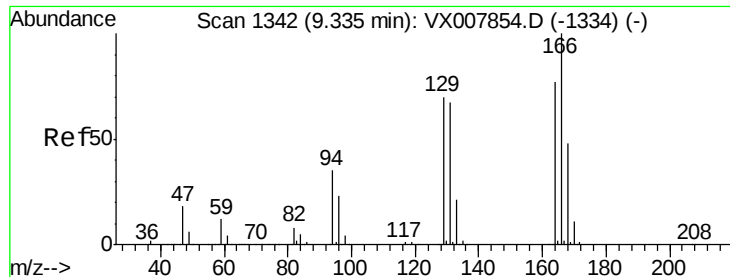
Abundance Ion 116.90 (116.60 to 117.60): VX007854.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX007854.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX007854.D (-1462) (-)

Time-->





#64

Tetrachloroethene

Concen: 52.263 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Instrument :

MSVOA_X

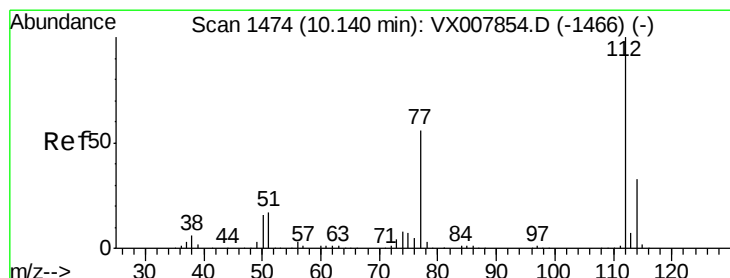
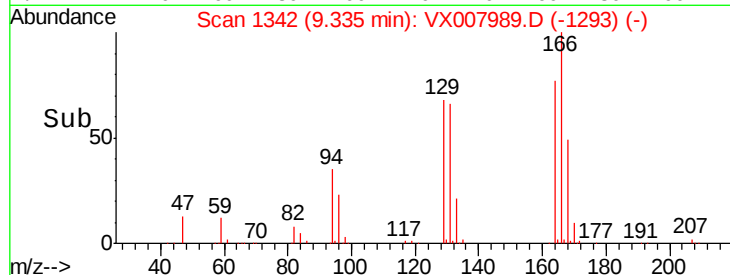
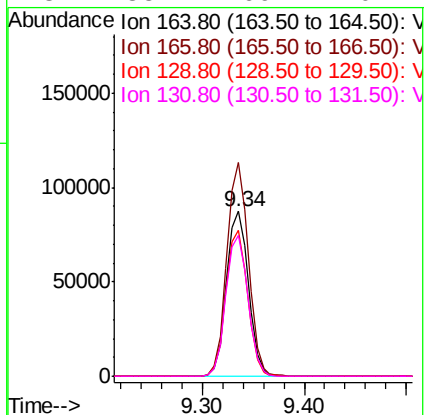
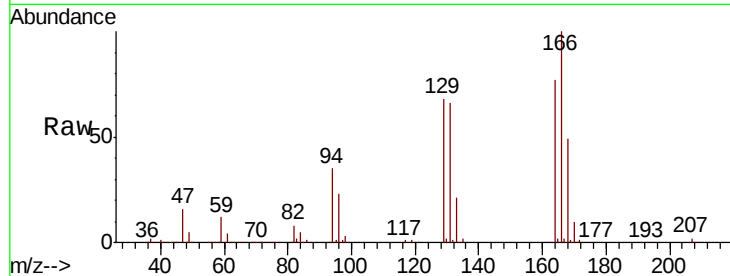
ClientSampleId :

RE122D2-20190308MSD

Tgt Ion:	164	Resp:	129892
Ion Ratio	Lower	Upper	
164	100		
166	129.4	103.4	155.0
129	88.2	72.2	108.4
131	85.2	69.4	104.2

Manual Integrations
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#65

Chlorobenzene

Concen: 49.901 ug/l

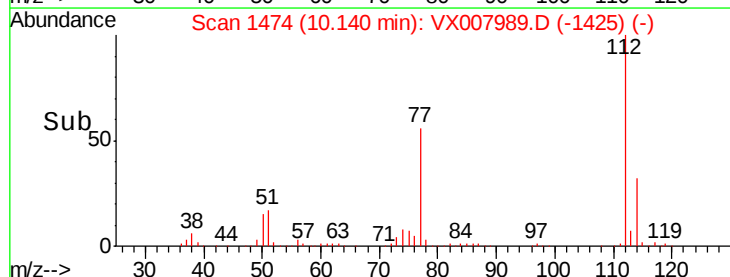
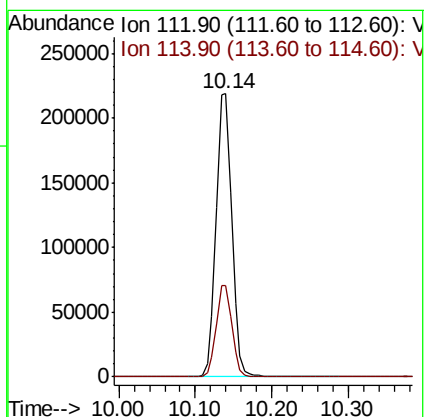
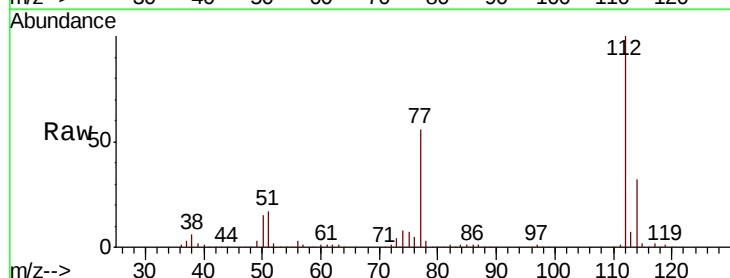
RT: 10.14 min Scan# 1474

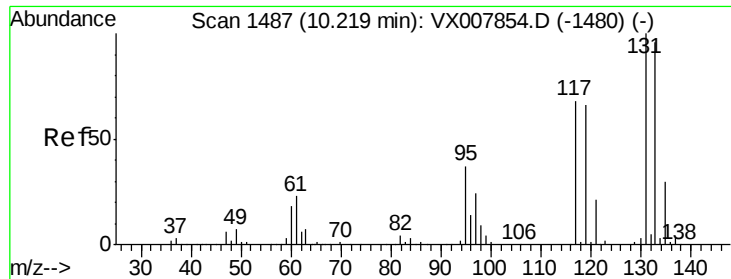
Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Tgt Ion:	112	Resp:	313172
Ion Ratio	Lower	Upper	
112	100		
114	32.1	26.0	39.0





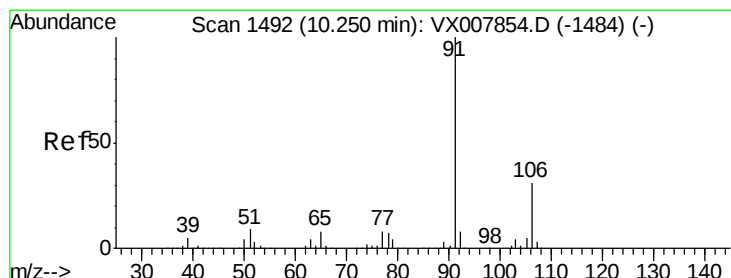
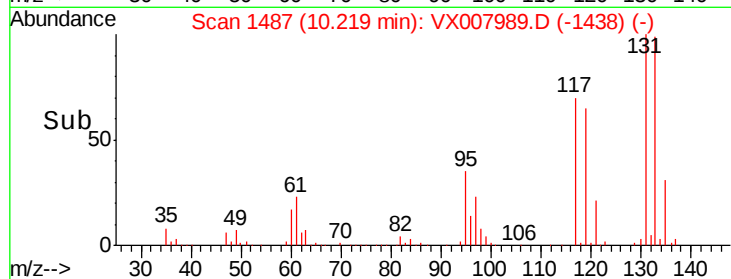
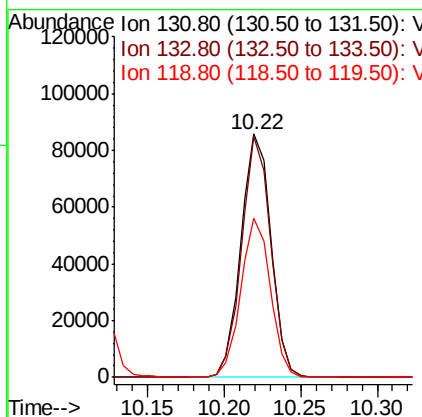
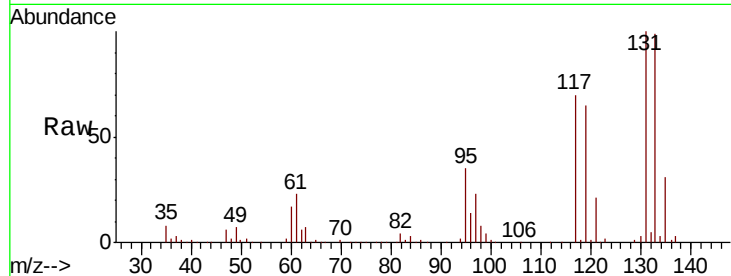
#66
 1,1,1,2-Tetrachloroethane
 Concen: 51.933 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX007989.D
 Acq: 11 Mar 2019 23:49

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-20190308MSD

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	116811		
133	95.6	47.8	143.3	
119	64.3	32.5	97.5	

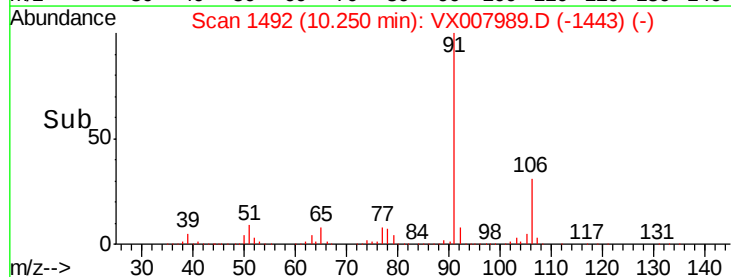
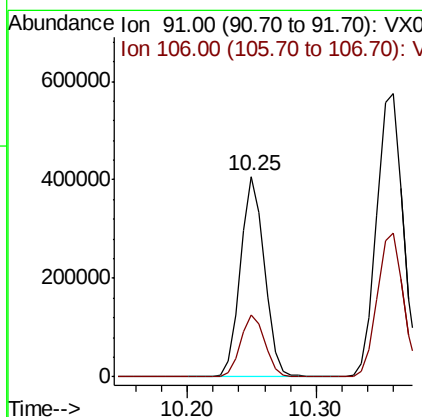
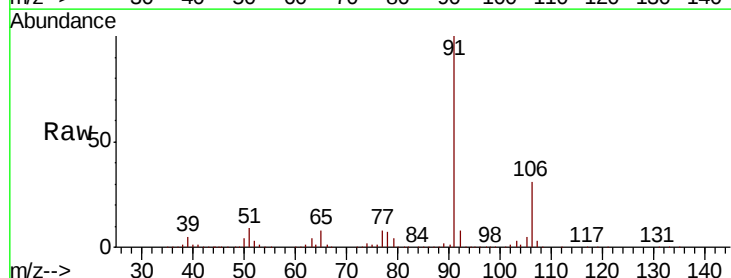
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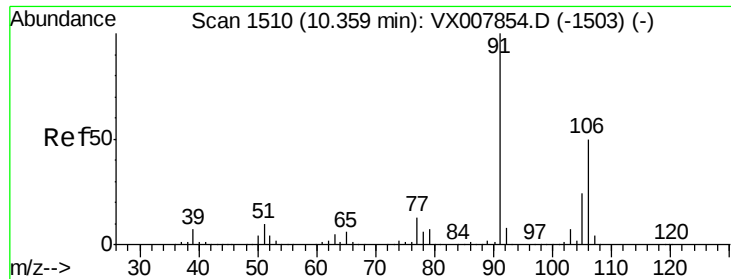
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#67
 Ethyl Benzene
 Concen: 51.003 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX007989.D
 Acq: 11 Mar 2019 23:49

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	526903		
106	31.0	25.2	37.8	





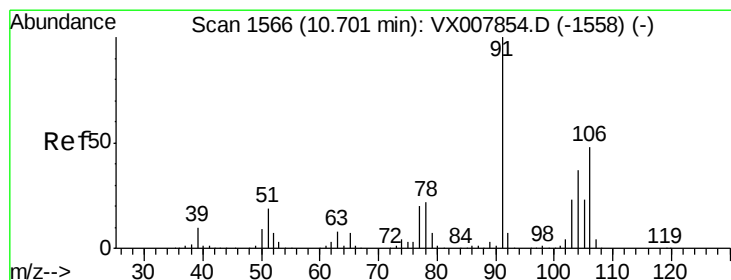
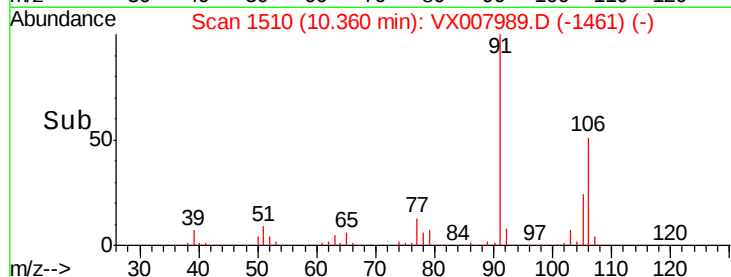
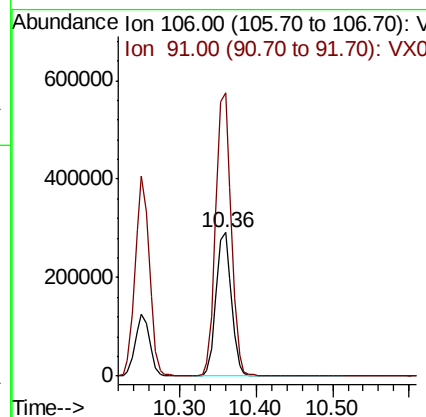
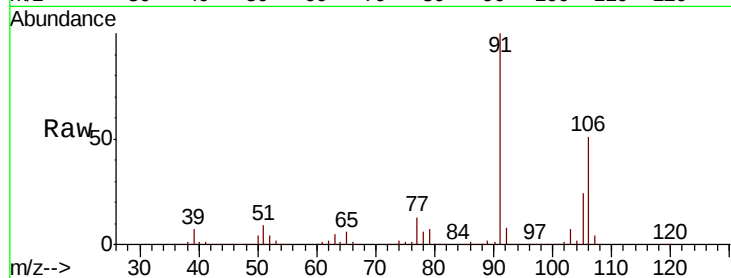
#68
m/p-Xylenes
Concen: 102.558 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MSD

Tgt Ion:106 Resp: 408387
Ion Ratio Lower Upper
106 100
91 198.7 159.8 239.6

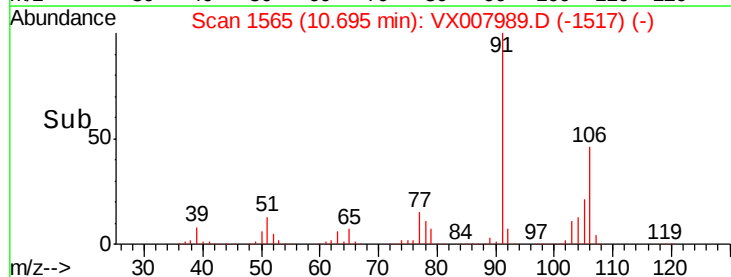
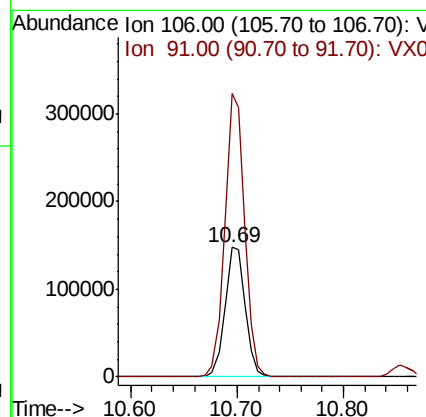
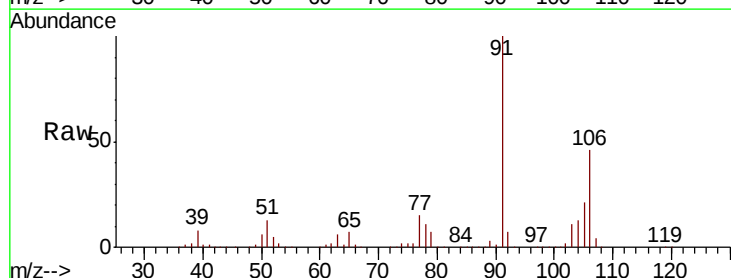
Manual Integrations
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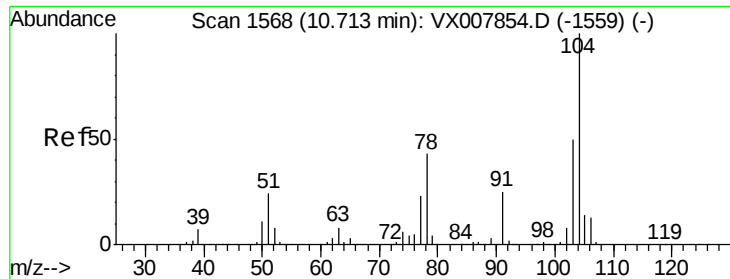
MMDadoda
3/12/2019 2:20:59 PM



#69
o-Xylene
Concen: 51.014 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Tgt Ion:106 Resp: 196119
Ion Ratio Lower Upper
106 100
91 214.2 106.3 318.9





#70

Styrene

Concen: 52.131 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20190308MSD

Tgt Ion:104 Resp: 327953
Ion Ratio Lower Upper

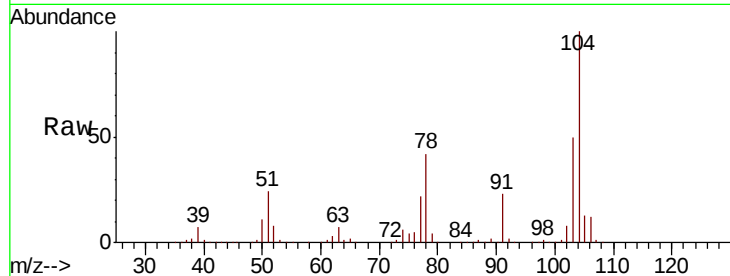
104 100

78 47.8 38.5 57.7

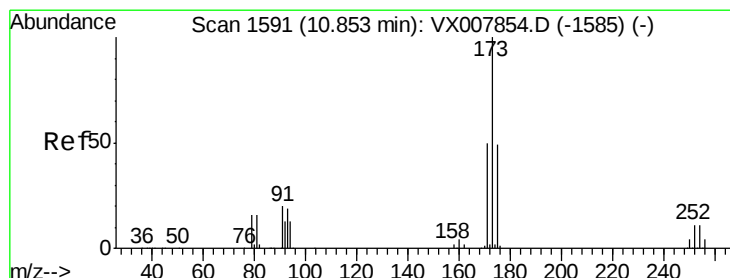
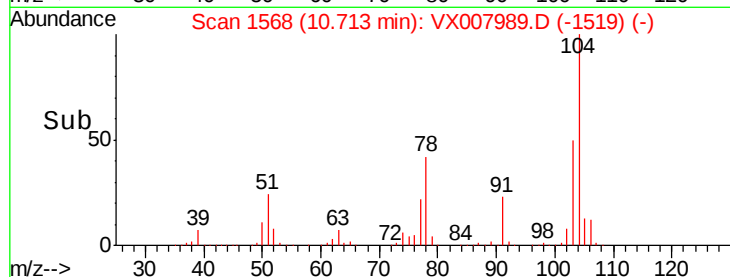
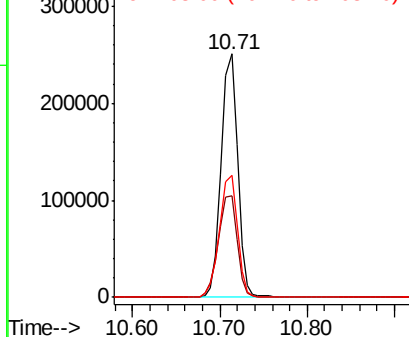
103 54.9 44.1 66.1

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Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 51.290 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX007989.D

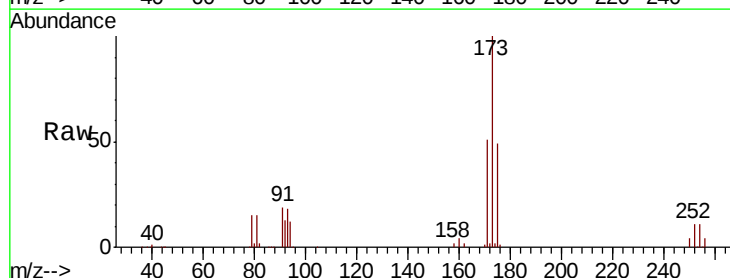
Acq: 11 Mar 2019 23:49

Tgt Ion:173 Resp: 99072
Ion Ratio Lower Upper

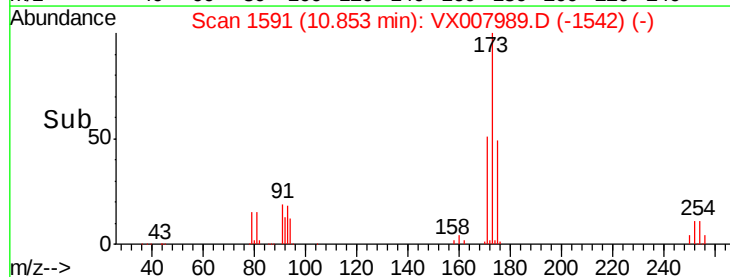
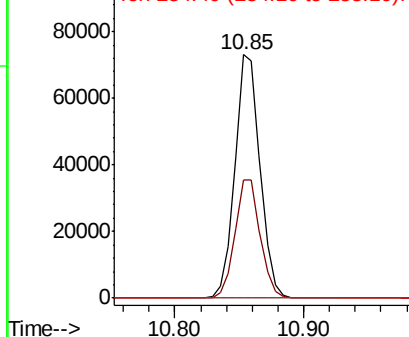
173 100

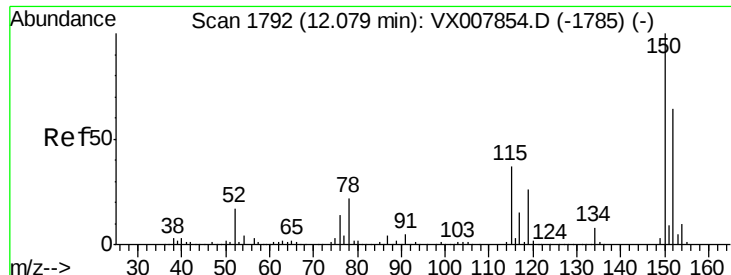
175 48.8 24.3 72.9

254 0.2 0.1 0.1#



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Instrument :

MSVOA_X

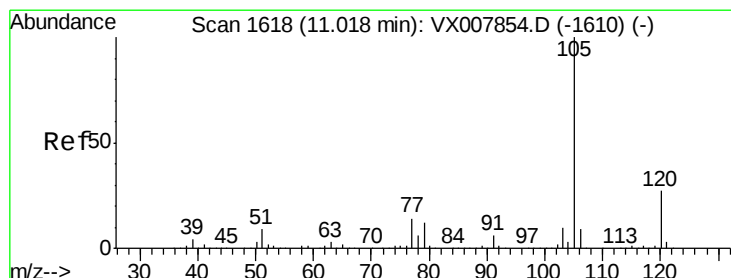
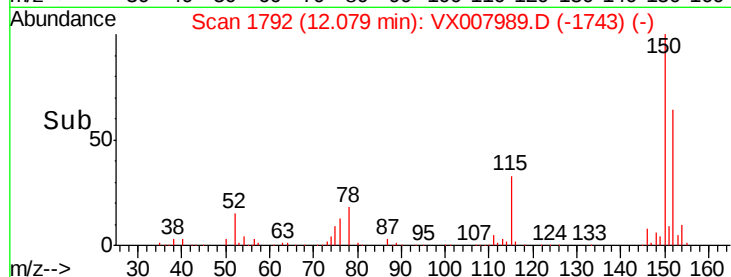
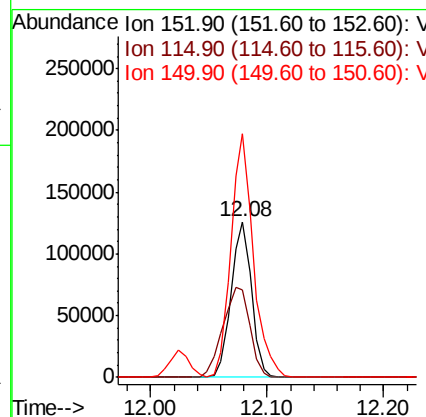
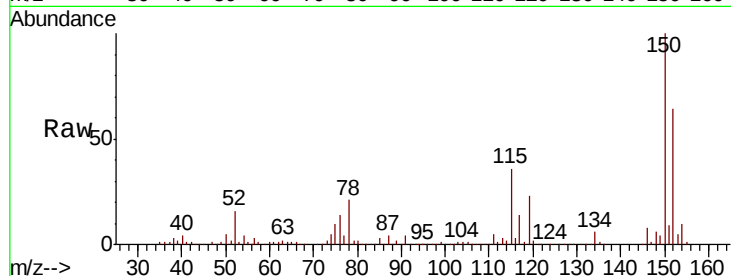
ClientSampleId :

RE122D2-20190308MSD

Tgt Ion:	152	Resp:	152516
Ion Ratio	Lower	Upper	
152	100		
115	76.0	38.6	115.7
150	171.8	0.0	348.4

Manual Integrations
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#73

Isopropylbenzene

Concen: 50.989 ug/l

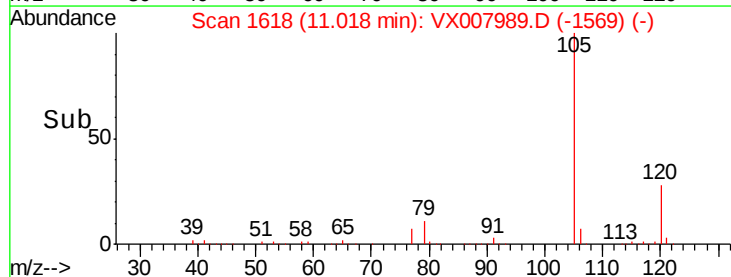
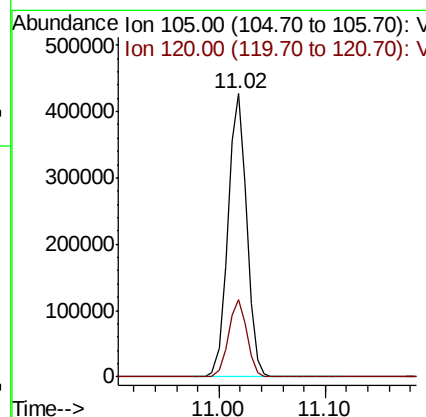
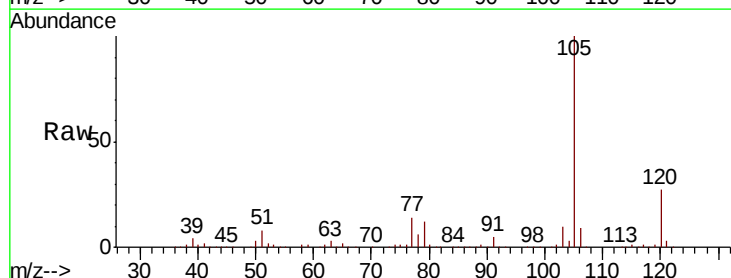
RT: 11.02 min Scan# 1618

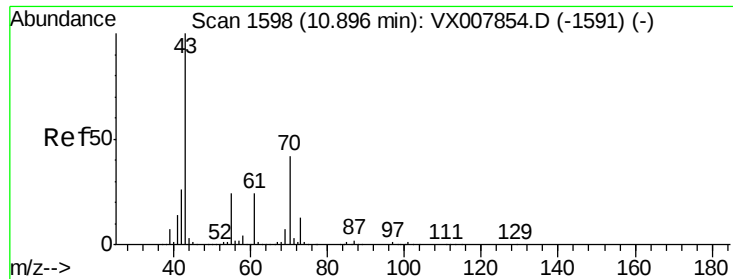
Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Tgt Ion:	105	Resp:	525950
Ion Ratio	Lower	Upper	
105	100		
120	26.8	13.4	40.1





#74

N-ethyl acetate

Concen: 40.871 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Instrument :

MSVOA_X

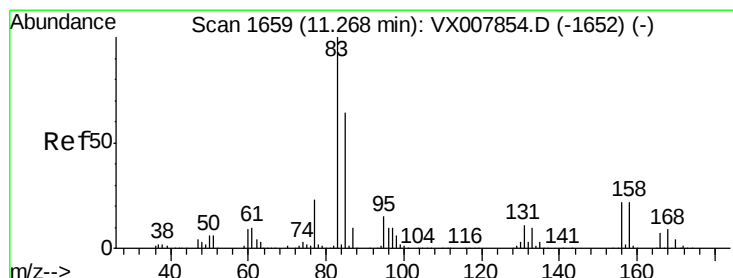
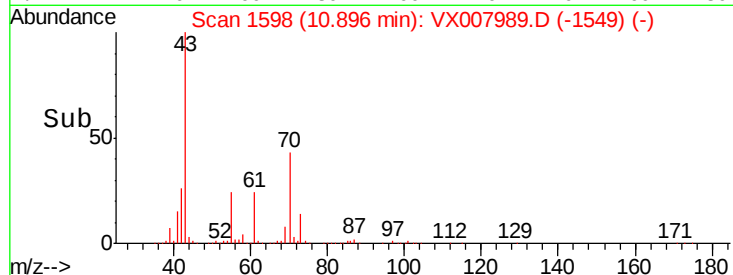
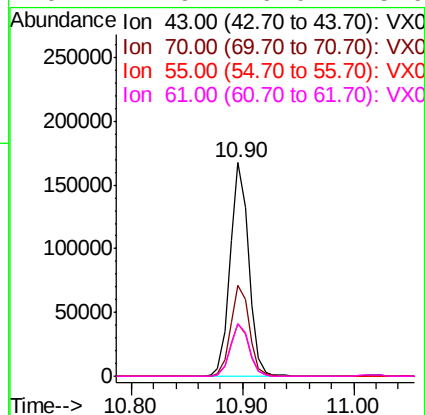
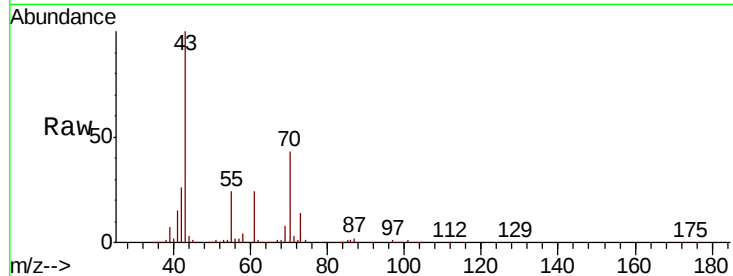
ClientSampleId :

RE122D2-20190308MSD

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
70	43.0	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: 48.104 ug/l

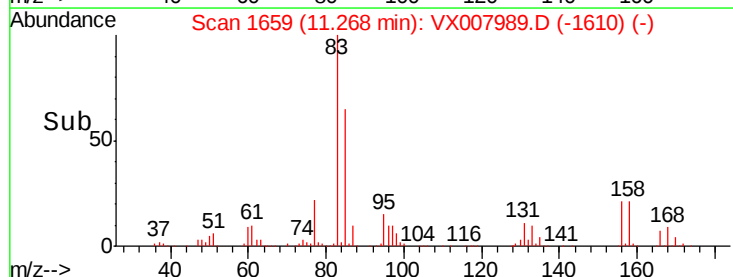
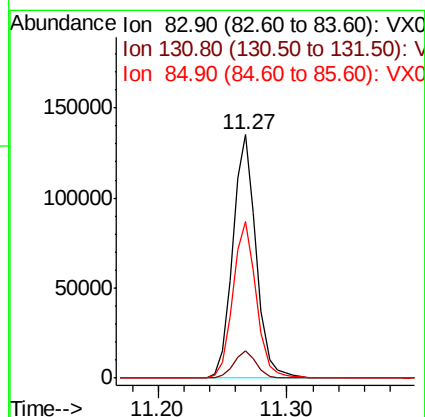
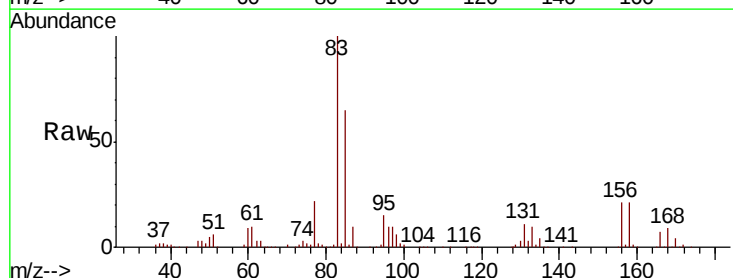
RT: 11.27 min Scan# 1659

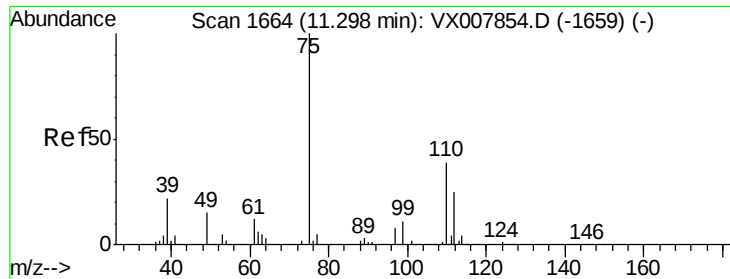
Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
131	11.0	5.4	16.2	
85	64.6	32.3	96.8	





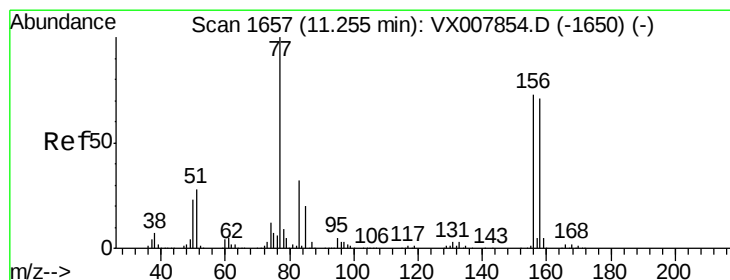
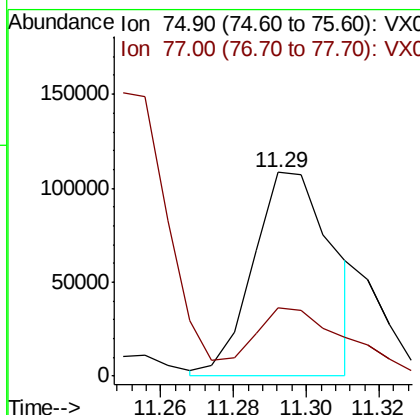
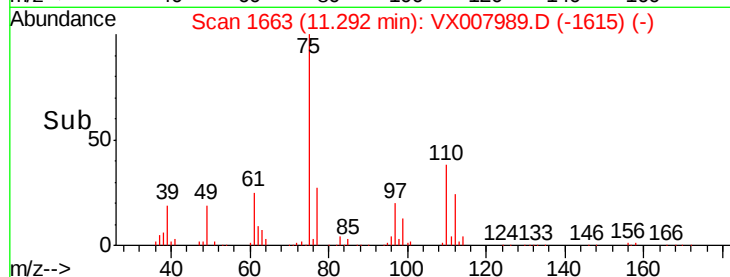
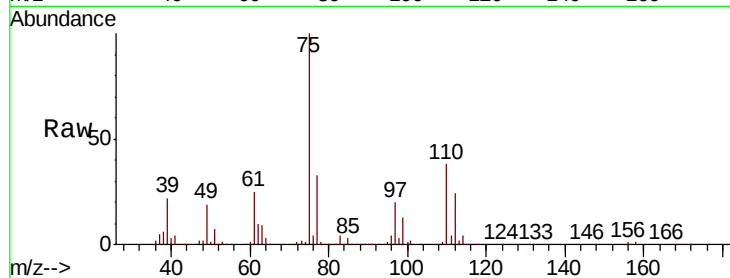
#76
1,2,3-Trichloropropane
Concen: 51.306 ug/l m
RT: 11.29 min Scan# 1663
Delta R.T. -0.01 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MSD

Tgt Ion: 75 Resp: 164200
Ion Ratio Lower Upper
75 100
77 39.7 18.9 56.7

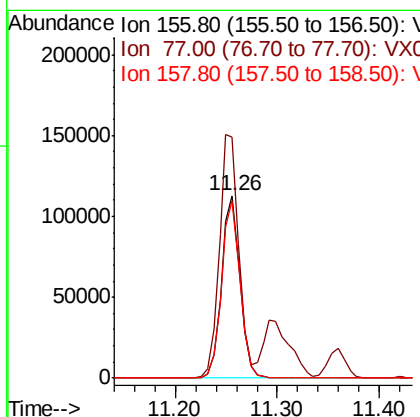
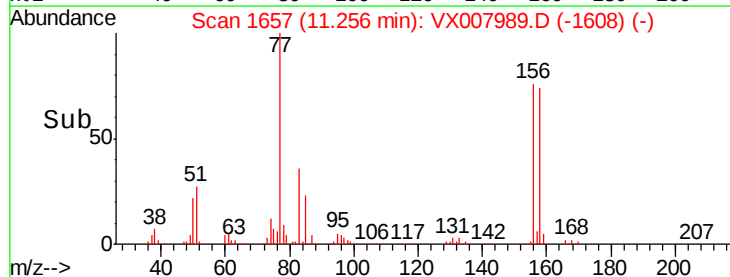
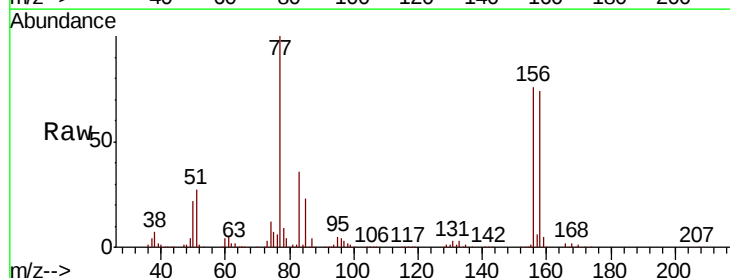
Manual Integrations
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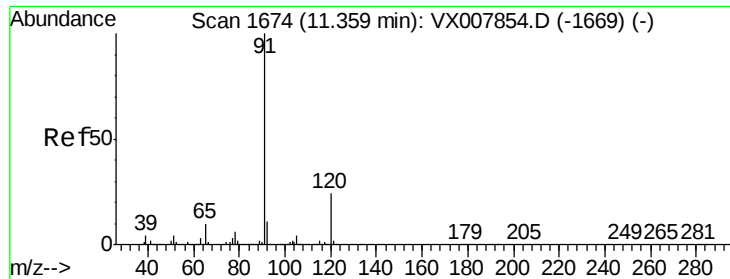
MMDadoda
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#77
Bromobenzene
Concen: 50.462 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Tgt Ion: 156 Resp: 142707
Ion Ratio Lower Upper
156 100
77 139.9 72.0 215.9
158 97.4 48.6 145.9





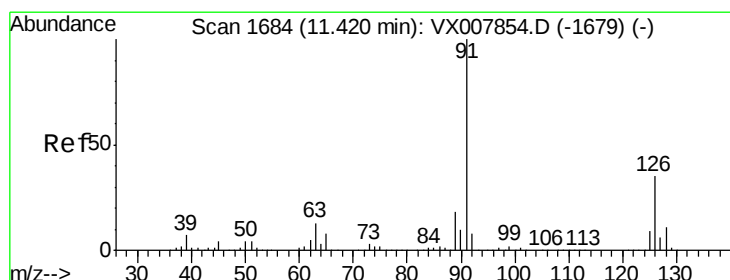
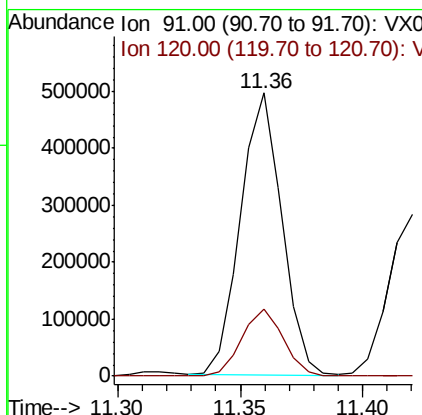
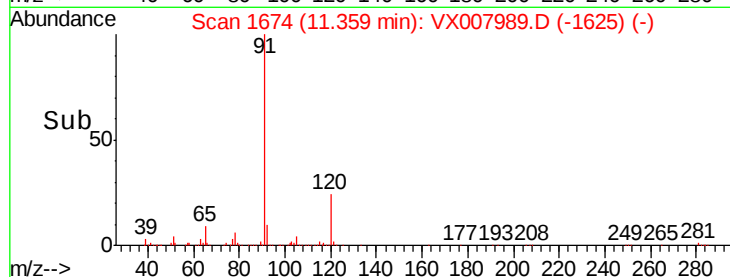
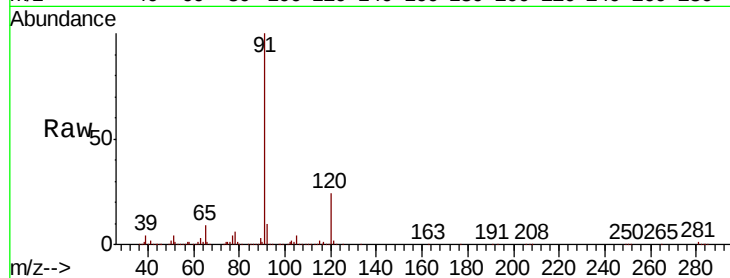
#78
n-propylbenzene
Concen: 50.995 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MSD

Tgt Ion: 91 Resp: 583545
Ion Ratio Lower Upper
91 100
120 24.0 12.0 36.0

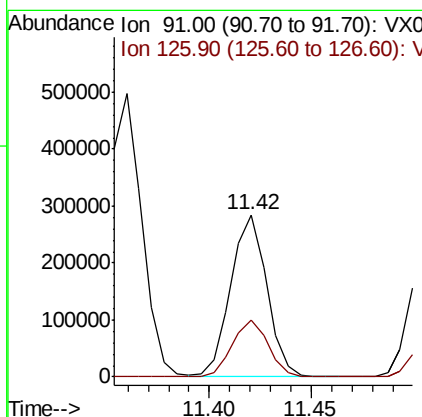
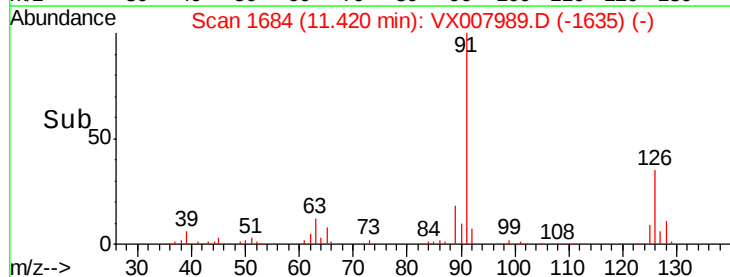
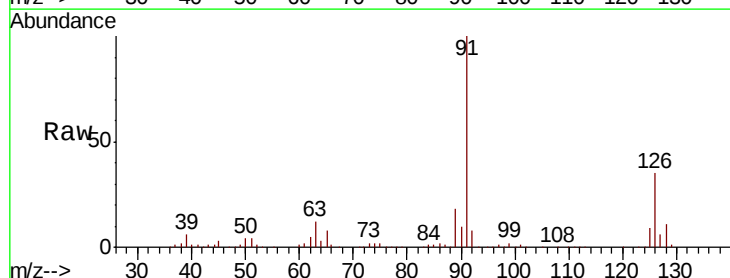
Manual Integrations
APPROVED

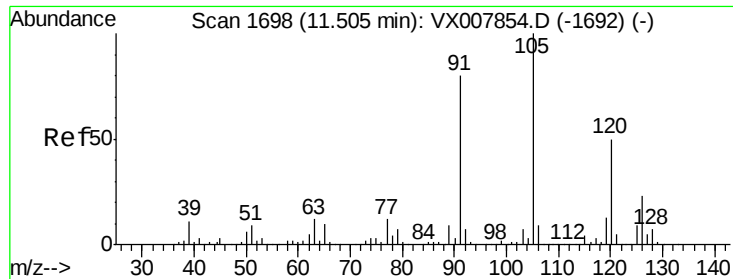
MMDadoda
3/12/2019 2:20:59 PM



#79
2-Chlorotoluene
Concen: 49.477 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Tgt Ion: 91 Resp: 346170
Ion Ratio Lower Upper
91 100
126 35.6 17.5 52.6





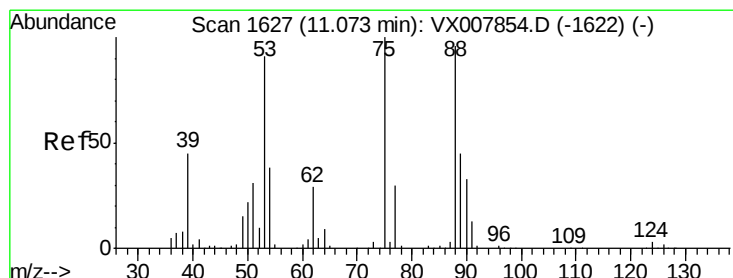
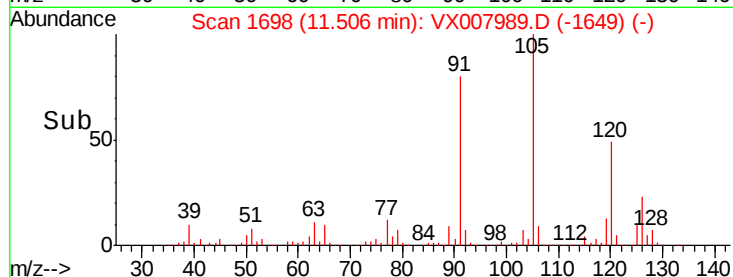
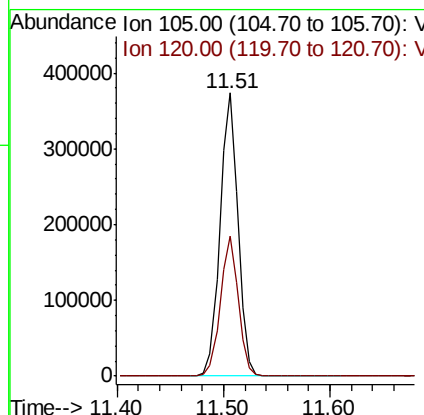
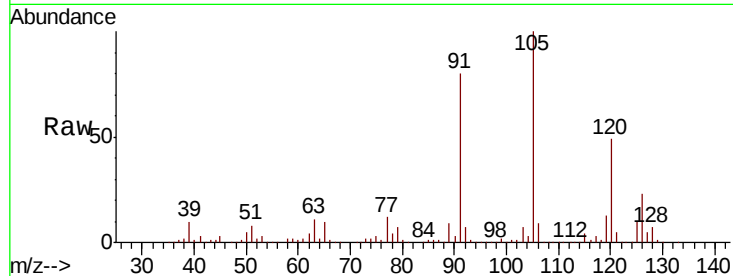
#80
 1,3,5-Trimethylbenzene
 Concen: 51.362 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007989.D
 Acq: 11 Mar 2019 23:49

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-20190308MSD

Tgt Ion: 105 Resp: 436045
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.9 74.6

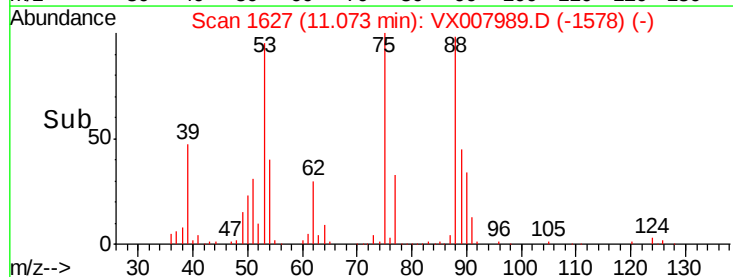
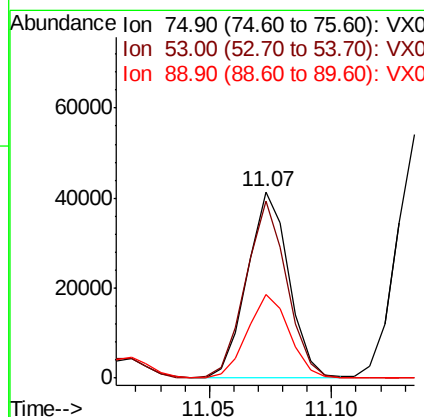
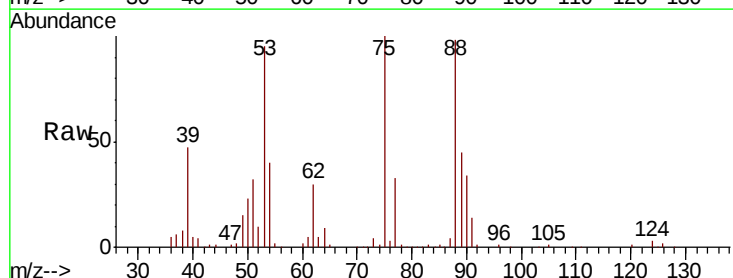
Manual Integrations
 APPROVED

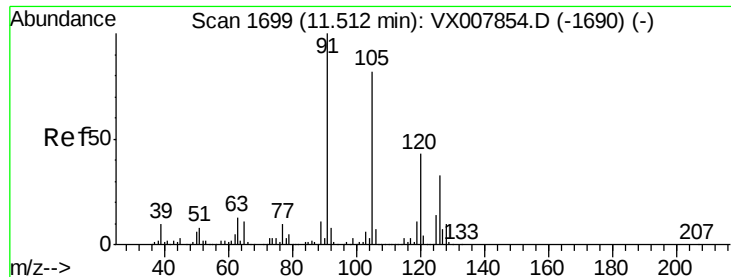
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.500 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX007989.D
 Acq: 11 Mar 2019 23:49

Tgt Ion: 75 Resp: 48560
 Ion Ratio Lower Upper
 75 100
 53 94.2 76.1 114.1
 89 45.7 36.3 54.5





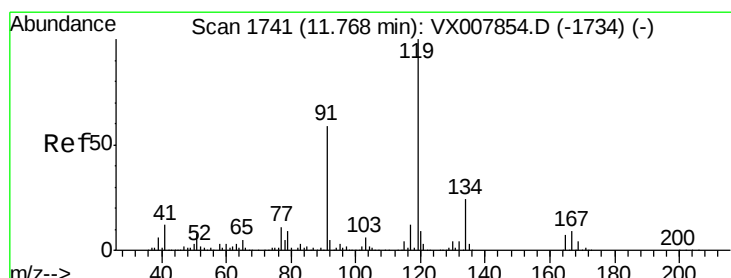
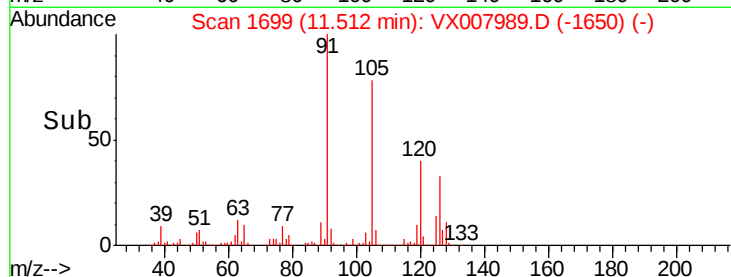
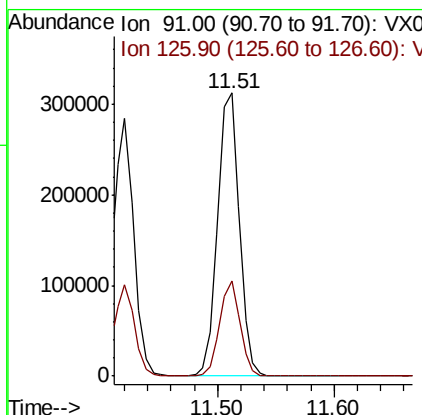
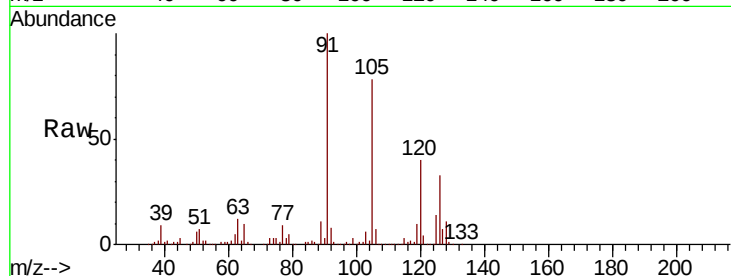
#82
4-Chlorotoluene
Concen: 49.749 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MSD

Tgt Ion: 91 Resp: 398893
Ion Ratio Lower Upper
91 100
126 31.7 15.6 46.8

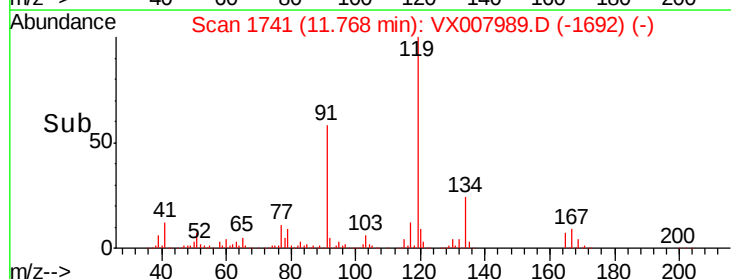
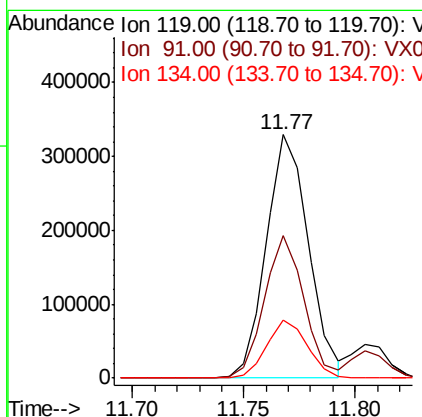
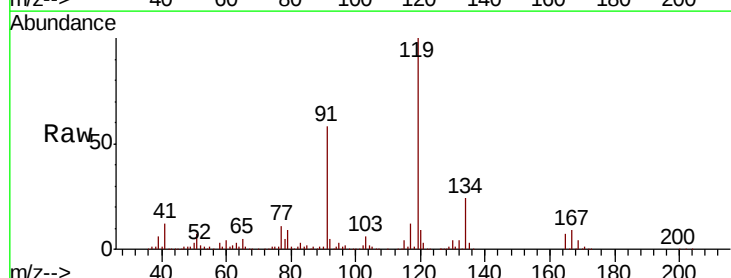
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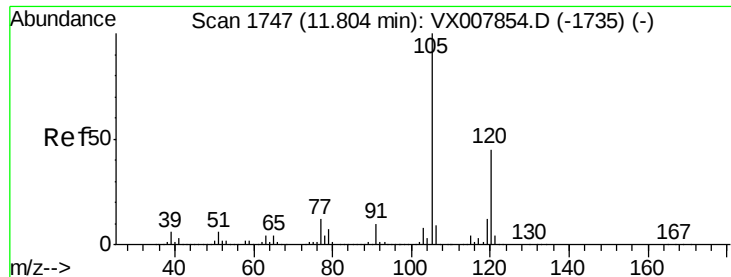
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#83
tert-Butylbenzene
Concen: 50.653 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Tgt Ion: 119 Resp: 433162
Ion Ratio Lower Upper
119 100
91 54.8 27.1 81.3
134 23.3 11.4 34.1





#84

1,2,4-Trimethylbenzene

Concen: 51.299 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20190308MSD

Tgt Ion:105 Resp: 446455

Ion Ratio Lower Upper

105 100

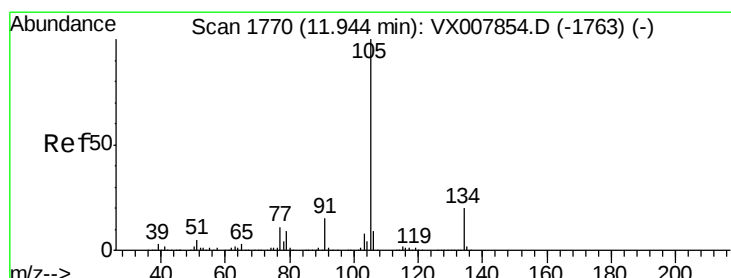
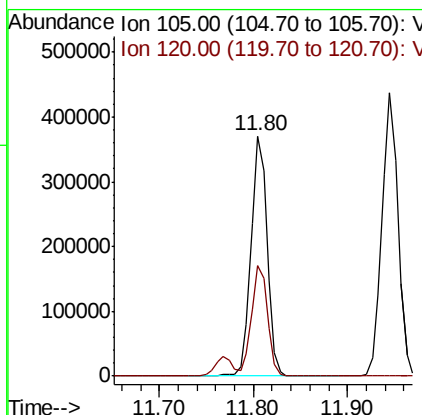
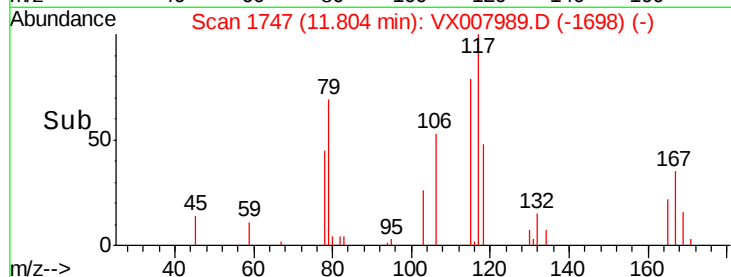
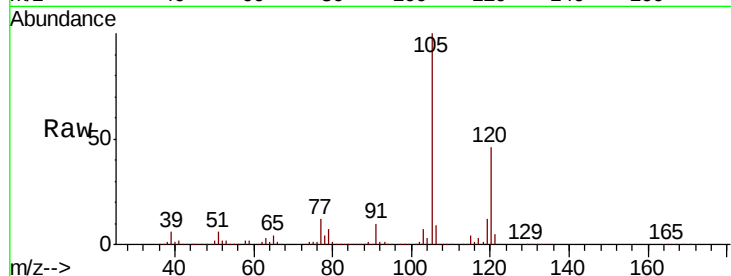
120 45.5 22.6 67.7

Manual Integrations

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#85

sec-Butylbenzene

Concen: 51.596 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007989.D

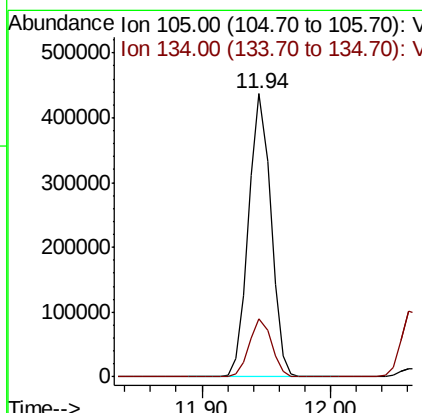
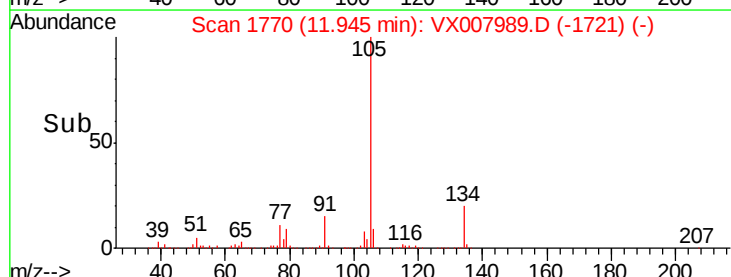
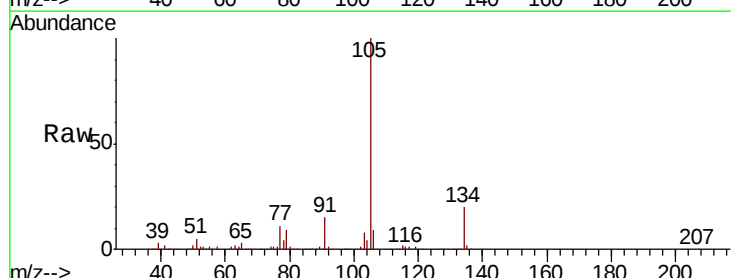
Acq: 11 Mar 2019 23:49

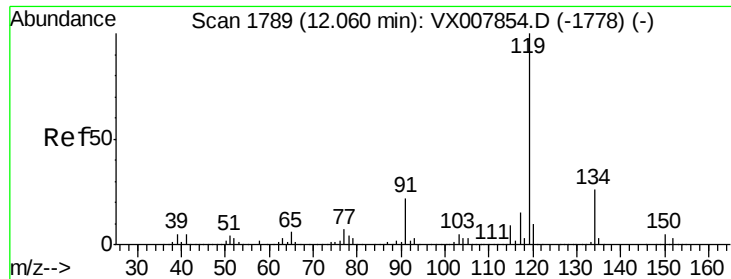
Tgt Ion:105 Resp: 519659

Ion Ratio Lower Upper

105 100

134 20.6 10.4 31.2





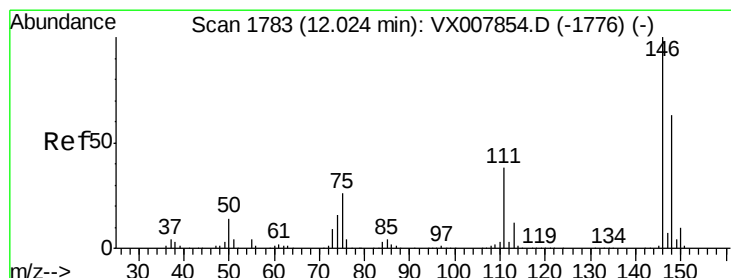
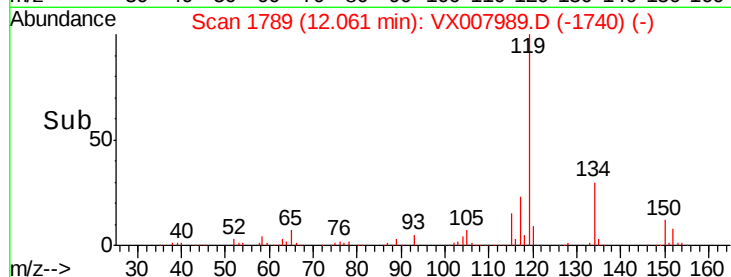
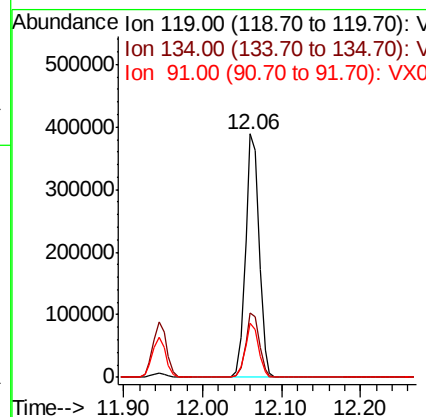
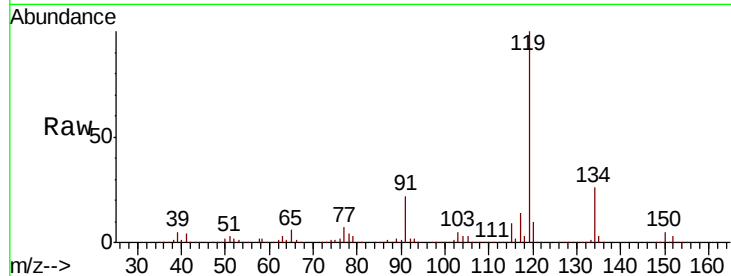
#86
p-Isopropyltoluene
Concen: 51.756 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MSD

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	466841		
134	26.4	13.3	39.9	
91	22.0	10.9	32.7	

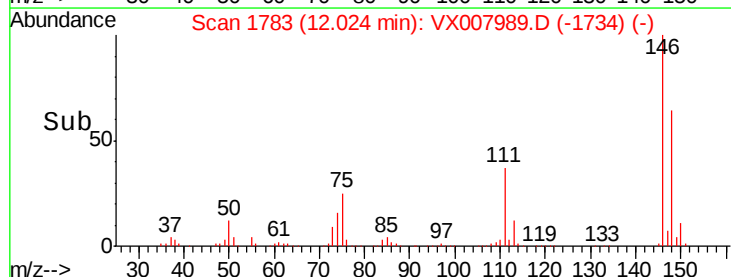
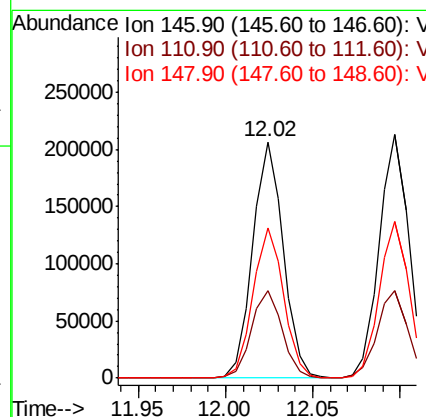
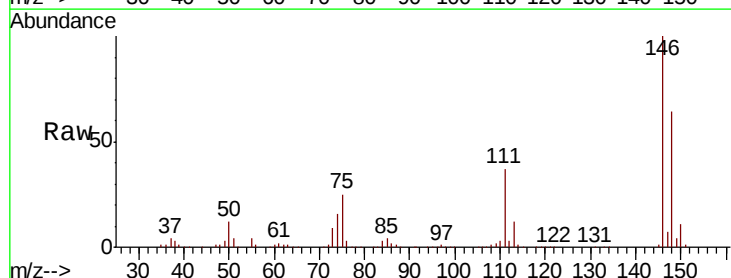
Manual Integrations
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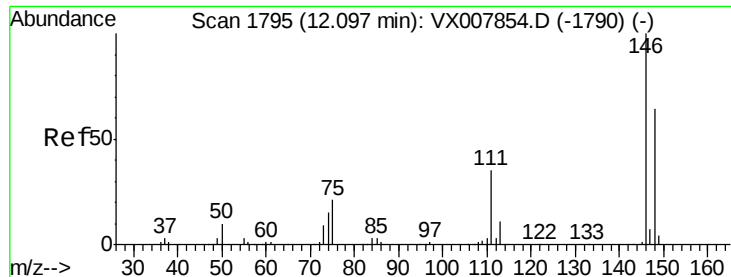
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#87
1,3-Dichlorobenzene
Concen: 50.079 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	250552		
111	37.4	18.9	56.7	
148	64.1	31.7	95.1	





#88

1,4-Dichlorobenzene

Concen: 49.174 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Instrument :

MSVOA_X

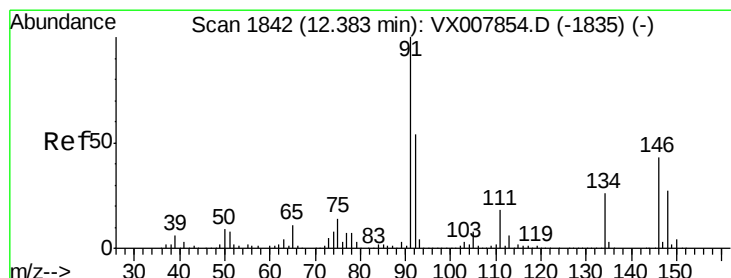
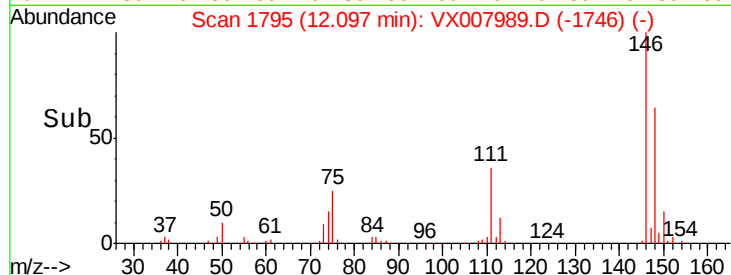
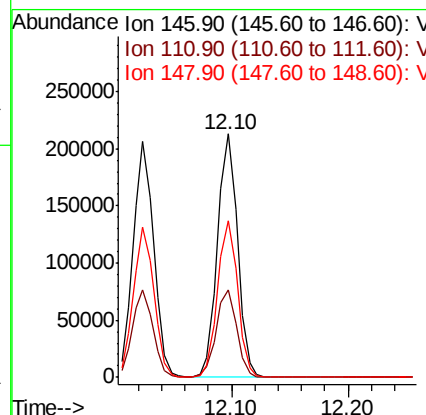
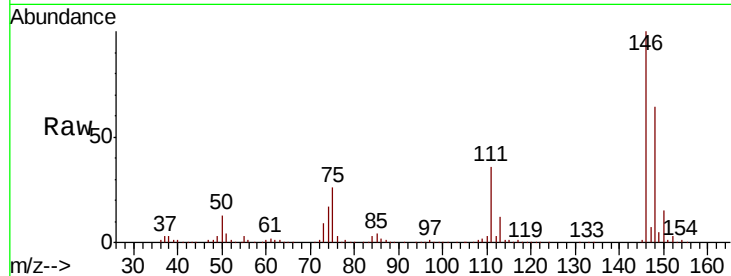
ClientSampleId :

RE122D2-20190308MSD

Tgt Ion:	146	Resp:	251949
Ion Ratio	Lower	Upper	
146	100		
111	36.9	18.4	55.0
148	64.6	32.2	96.6

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#89

n-Butylbenzene

Concen: 50.605 ug/l

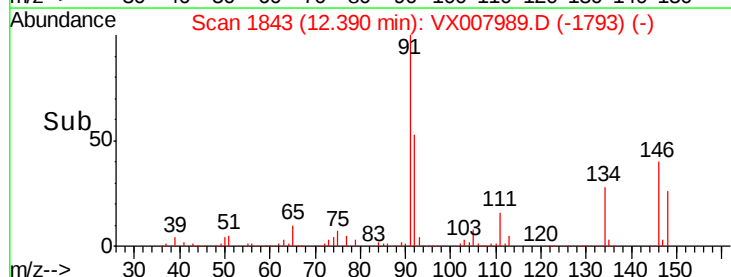
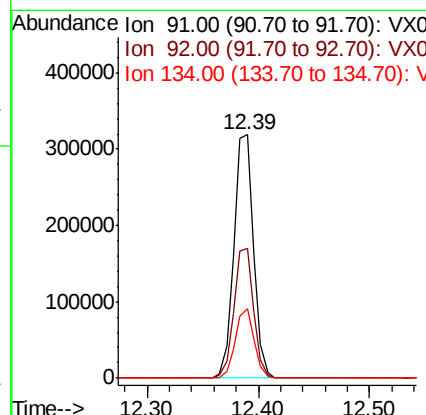
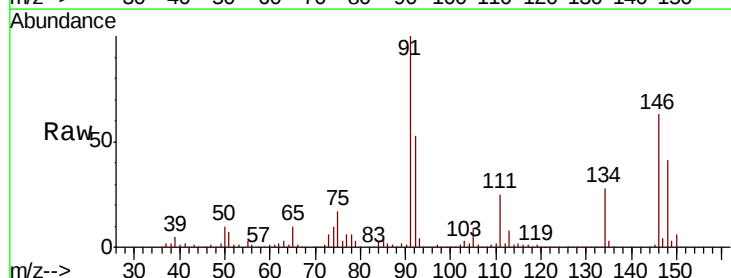
RT: 12.39 min Scan# 1843

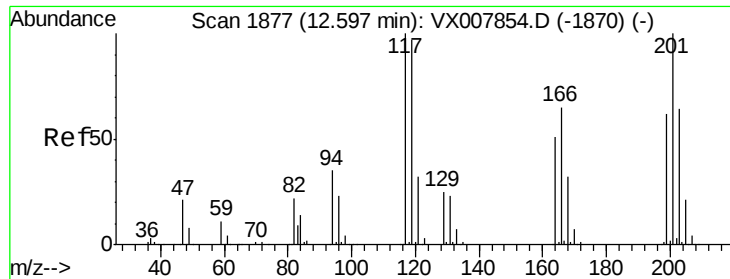
Delta R.T. 0.01 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Tgt Ion:	91	Resp:	386714
Ion Ratio	Lower	Upper	
91	100		
92	53.1	27.0	80.8
134	27.4	13.7	41.0





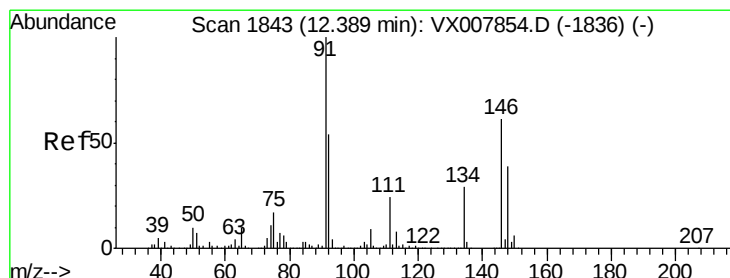
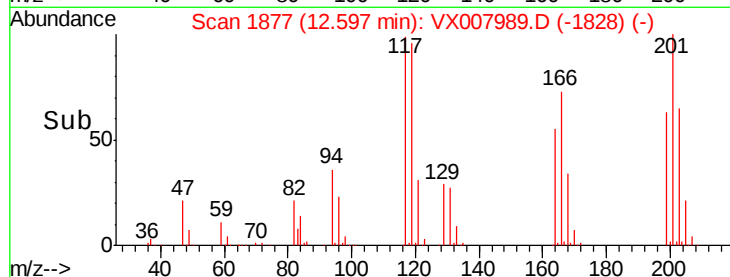
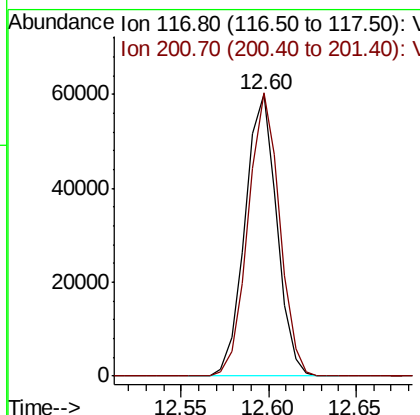
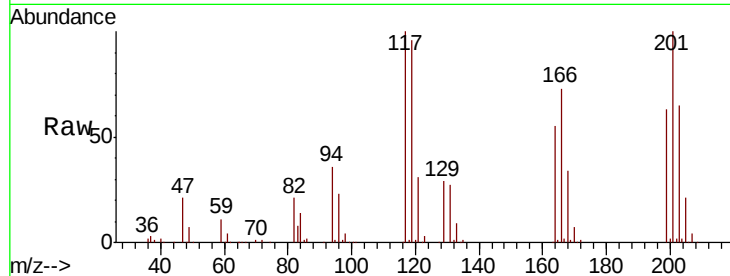
#90
Hexachloroethane
Concen: 50.208 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20190308MSD

Tgt Ion:117 Resp: 75719
Ion Ratio Lower Upper
117 100
201 99.6 48.9 146.7

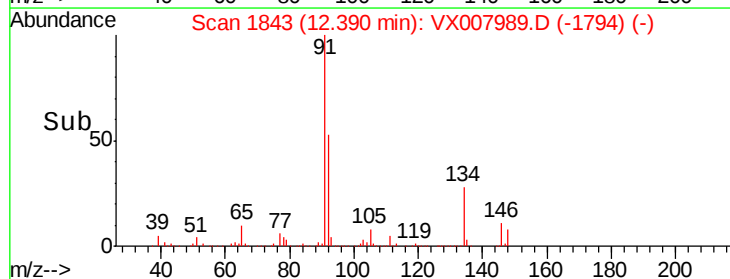
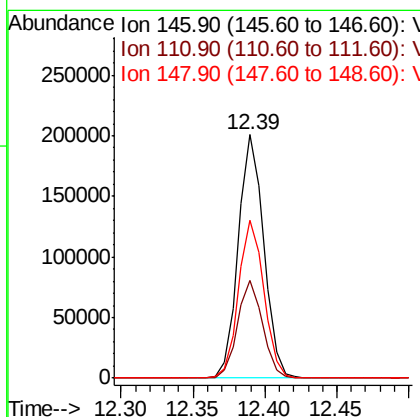
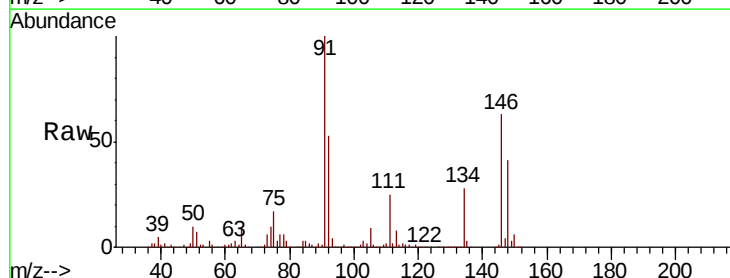
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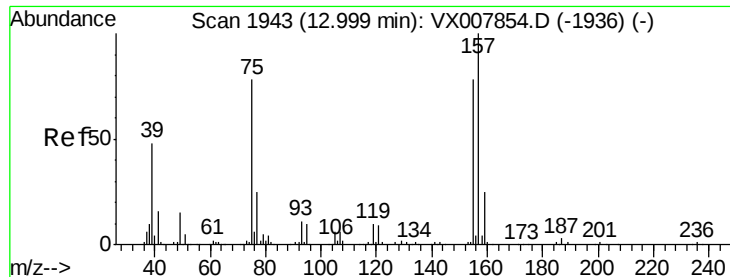
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#91
1,2-Dichlorobenzene
Concen: 49.797 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX007989.D
Acq: 11 Mar 2019 23:49

Tgt Ion:146 Resp: 247501
Ion Ratio Lower Upper
146 100
111 39.6 19.6 58.8
148 64.6 31.9 95.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 48.927 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Instrument :

MSVOA_X

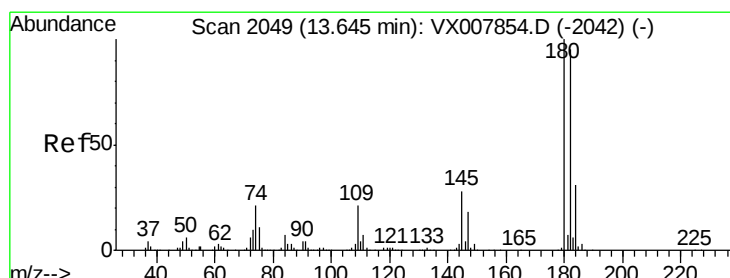
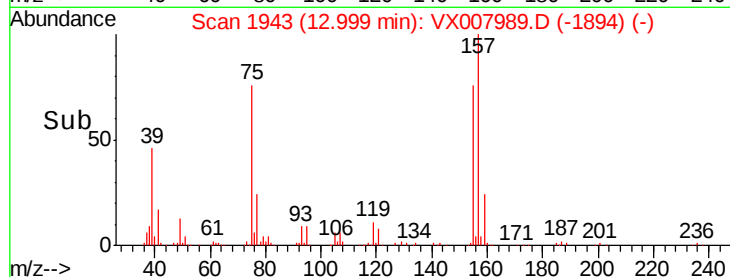
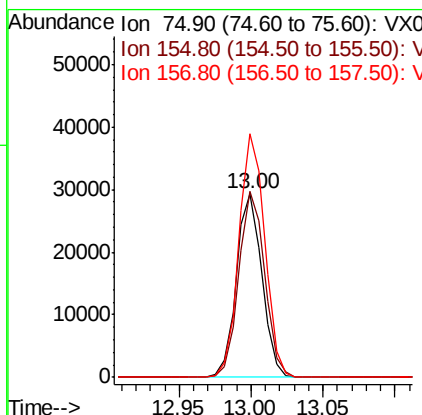
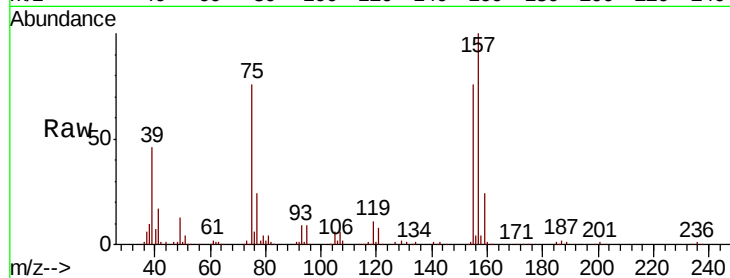
ClientSampleId :

RE122D2-20190308MSD

Tgt Ion:	75	Resp:	36382
Ion Ratio	Lower	Upper	
75	100		
155	101.7	49.7	149.1
157	133.1	63.8	191.4

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#93

1,2,4-Trichlorobenzene

Concen: 50.091 ug/l

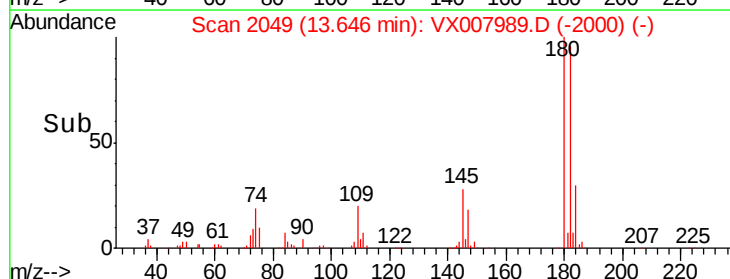
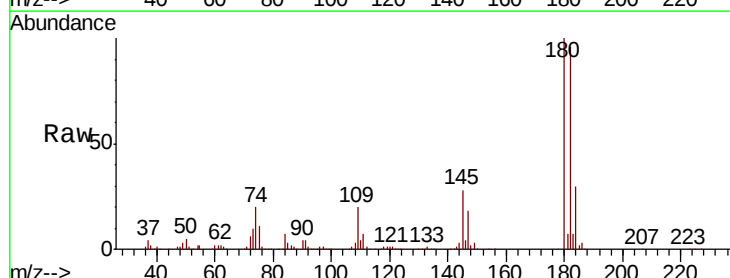
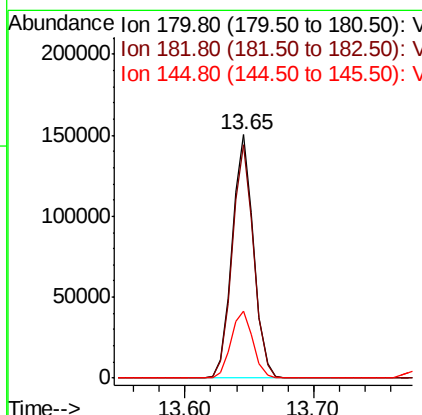
RT: 13.65 min Scan# 2049

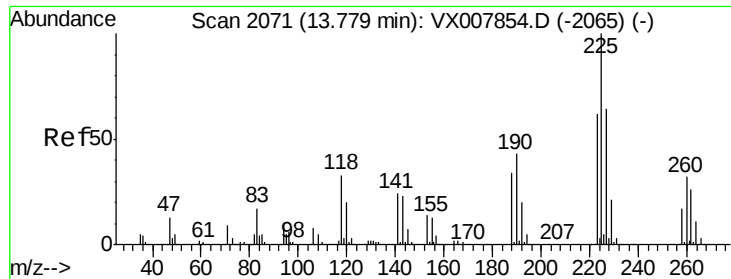
Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Tgt Ion:	180	Resp:	174897
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.9	143.7
145	28.5	14.1	42.4





#94

Hexachlorobutadiene

Concen: 49.740 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Instrument :

MSVOA_X

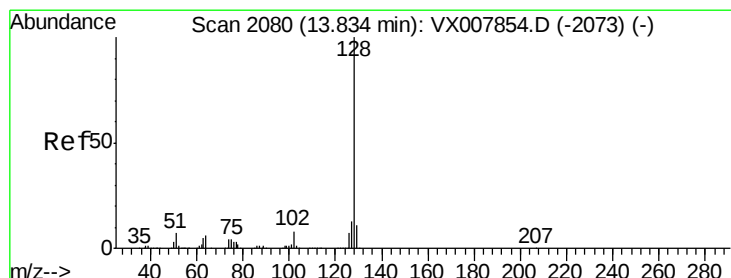
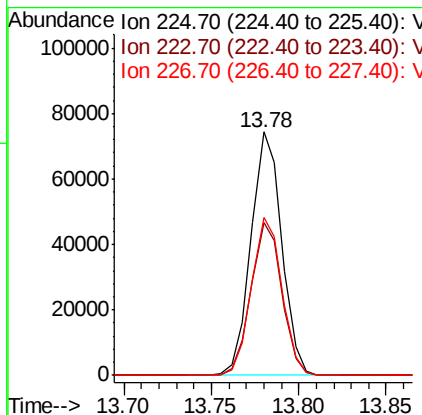
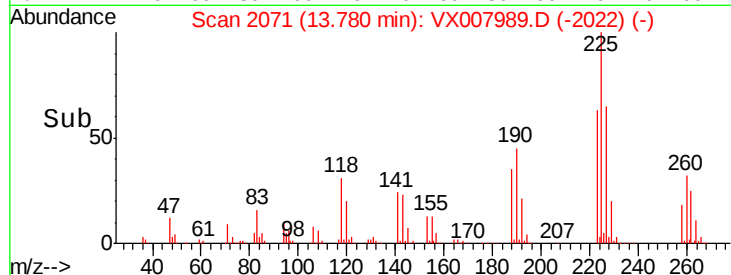
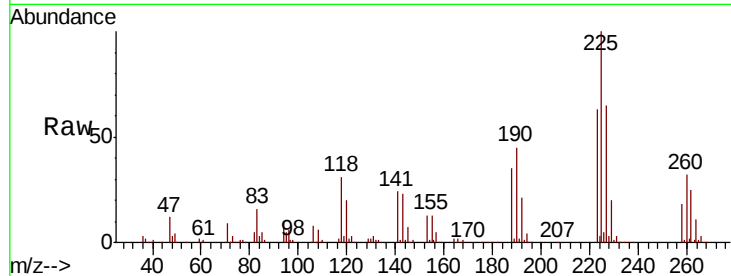
ClientSampleId :

RE122D2-20190308MSD

Tgt Ion:	225	Resp:	90799
Ion Ratio	Lower	Upper	
225	100		
223	62.8	31.1	93.2
227	64.4	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
3/12/2019 2:20:59 PM



#95

Naphthalene

Concen: 52.130 ug/l

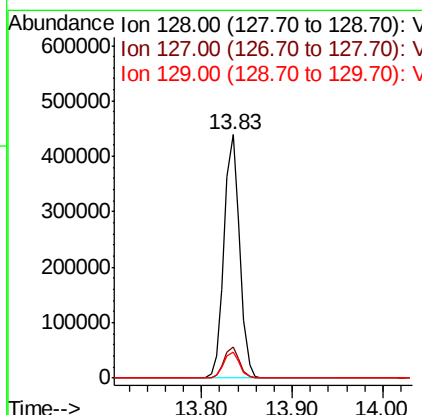
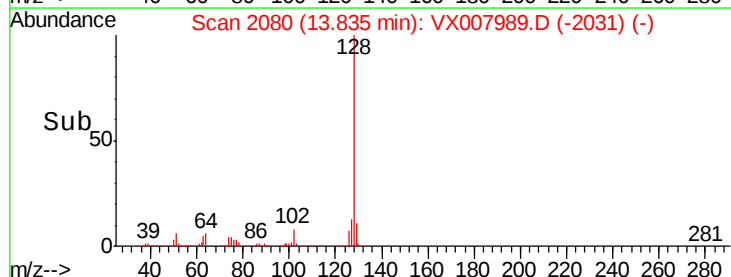
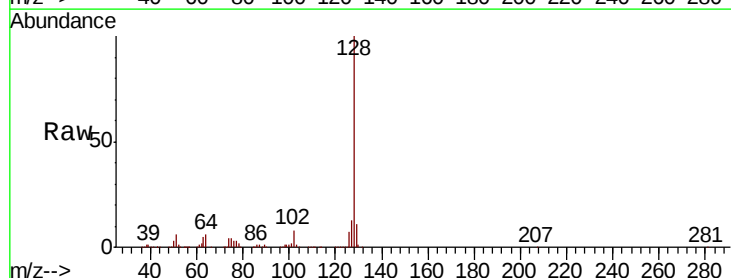
RT: 13.83 min Scan# 2080

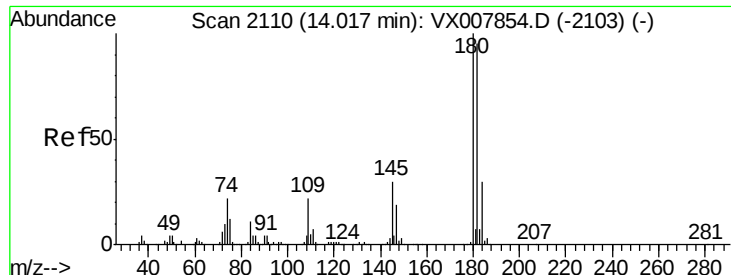
Delta R.T. 0.00 min

Lab File: VX007989.D

Acq: 11 Mar 2019 23:49

Tgt Ion:	128	Resp:	524449
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1





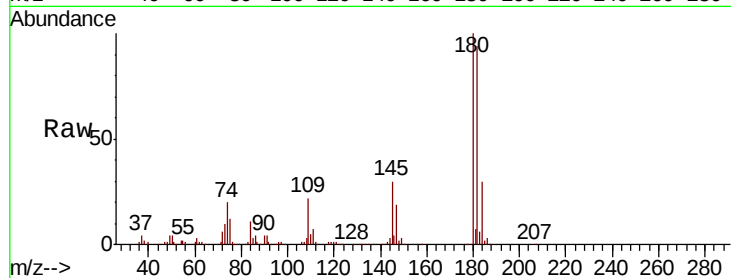
#96
 1,2,3-Trichlorobenzene
 Concen: 50.813 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX007989.D
 Acq: 11 Mar 2019 23:49

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-20190308MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.1	47.5	142.5
145	29.8	14.8	44.3

Manual Integrations
 APPROVED

MMDadoda
 3/12/2019 2:20:59 PM



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

