

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX031219\
 Data File : VX008033.D
 Acq On : 12 Mar 2019 22:46
 Operator : JC/SP
 Sample : K1828-10MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW05D-M20W2-030619MS

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 10:14:09 AM

Quant Time: Mar 13 06:55:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	222355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	324795	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	290348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	145723	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	119922	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
35) Dibromofluoromethane	5.50	113	107225	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
50) Toluene-d8	8.71	98	403511	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
62) 4-Bromofluorobenzene	11.13	95	141809	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	87886	46.263	ug/l	100
3) Chloromethane	1.33	50	114669	46.839	ug/l	99
4) Vinyl Chloride	1.41	62	119429	49.097	ug/l	99
5) Bromomethane	1.64	94	61814	54.246	ug/l	100
6) Chloroethane	1.72	64	73937	45.754	ug/l	99
7) Trichlorofluoromethane	1.93	101	152438	48.132	ug/l	99
8) Diethyl Ether	2.19	74	67178	48.984	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	93218	47.497	ug/l	99
10) Methyl Iodide	2.51	142	146783	52.719	ug/l	99
11) Tert butyl alcohol	3.07	59	136427	260.078	ug/l	100
12) 1,1-Dichloroethene	2.37	96	89674	47.401	ug/l	97
13) Acrolein	2.30	56	92976	312.815	ug/l	98
14) Allyl chloride	2.73	41	179598	45.178	ug/l	99
15) Acrylonitrile	3.15	53	317627	239.891	ug/l	100
16) Acetone	2.45	43	258295	190.249	ug/l	100
17) Carbon Disulfide	2.57	76	267831	46.590	ug/l	100
18) Methyl Acetate	2.78	43	130735	45.326	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	327035	50.249	ug/l	100
20) Methylene Chloride	2.86	84	105619	48.881	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	98345	47.245	ug/l	97
22) Diisopropyl ether	3.87	45	351356	48.216	ug/l	98
23) Vinyl Acetate	3.82	43	1312631	205.410	ug/l	99
24) 1,1-Dichloroethane	3.70	63	190210	48.504	ug/l	99
25) 2-Butanone	4.70	43	442922	230.436	ug/l	99
26) 2,2-Dichloropropane	4.59	77	112171	43.175	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	116724	49.003	ug/l	97
28) Bromochloromethane	5.02	49	88812	48.577	ug/l	98
29) Tetrahydrofuran	5.15	42	294256	245.429	ug/l	98
30) Chloroform	5.21	83	185861	50.103	ug/l	99
31) Cyclohexane	5.57	56	171733	47.648	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	157226	51.083	ug/l	98
36) 1,1-Dichloropropene	5.80	75	139168	47.321	ug/l	100
37) Ethyl Acetate	4.85	43	148273	42.485	ug/l	99
38) Carbon Tetrachloride	5.78	117	136995	49.066	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	170722	47.907	ug/l	98
40) Benzene	6.14	78	431800	49.318	ug/l	100
41) Methacrylonitrile	5.06	41	94468	49.648	ug/l	99
42) 1,2-Dichloroethane	6.20	62	140538	49.083	ug/l	100
43) Isopropyl Acetate	6.46	43	238344	46.145	ug/l	99
44) Trichloroethene	7.21	130	119012	49.325	ug/l	99
45) 1,2-Dichloropropane	7.52	63	115444	49.923	ug/l	99
46) Dibromomethane	7.66	93	72372	49.453	ug/l	98
47) Bromodichloromethane	7.90	83	137371	49.510	ug/l	97
48) Methyl methacrylate	7.77	41	134867	49.664	ug/l	98
49) 1,4-Dioxane	7.75	88	58062	1040.830	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	839042	252.595	ug/l	99
52) Toluene	8.78	92	272273	50.936	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	149350	51.571	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	164285	50.236	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	111876	51.702	ug/l	99
56) Ethyl methacrylate	9.18	69	170350	52.433	ug/l	97
57) 1,3-Dichloropropane	9.37	76	185156	50.961	ug/l	100
59) 2-Hexanone	9.49	43	625805	242.664	ug/l	99
60) Dibromochloromethane	9.58	129	116444	51.484	ug/l	100
61) 1,2-Dibromoethane	9.67	107	117608	51.192	ug/l	100
64) Tetrachloroethene	9.34	164	117095	48.666	ug/l	97
65) Chlorobenzene	10.13	112	299476	49.290	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	110820	50.892	ug/l	100
67) Ethyl Benzene	10.25	91	502082	50.202	ug/l	100
68) m/p-Xylenes	10.36	106	390260	101.234	ug/l	100
69) o-Xylene	10.69	106	189482	50.912	ug/l	99
70) Styrene	10.71	104	309499	50.818	ug/l	100
71) Bromoform	10.85	173	92618	49.528	ug/l	99
73) Isopropylbenzene	11.02	105	504309	51.171	ug/l	100
74) N-amyl acetate	10.90	43	189003	42.007	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	163164	47.996	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	157614m	51.544	ug/l	
77) Bromobenzene	11.26	156	133893	49.553	ug/l	98
78) n-propylbenzene	11.36	91	554843	50.747	ug/l	100
79) 2-Chlorotoluene	11.42	91	332304	49.709	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	416459	51.341	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	46750	48.869	ug/l	99
82) 4-Chlorotoluene	11.51	91	381919	49.852	ug/l	100
83) tert-Butylbenzene	11.77	119	412682	50.507	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	427836	51.451	ug/l	99
85) sec-Butylbenzene	11.94	105	495666	51.508	ug/l	99
86) p-Isopropyltoluene	12.06	119	447333	51.905	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	236610	49.497	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	234980	48.000	ug/l	100
89) n-Butylbenzene	12.38	91	371978	50.946	ug/l	99
90) Hexachloroethane	12.60	117	72374	50.227	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	233481	49.166	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34345	48.341	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	165877	49.723	ug/l	100

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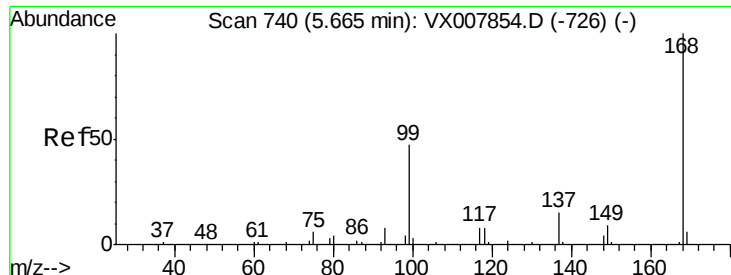
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	87738	50.304	ug/l	99
95) Naphthalene	13.83	128	493327	51.323	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	166730	50.170	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008033.D

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Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW05D-M20W2-030619MS

Tgt Ion:168 Resp: 222355

Ion Ratio Lower Upper

168 100

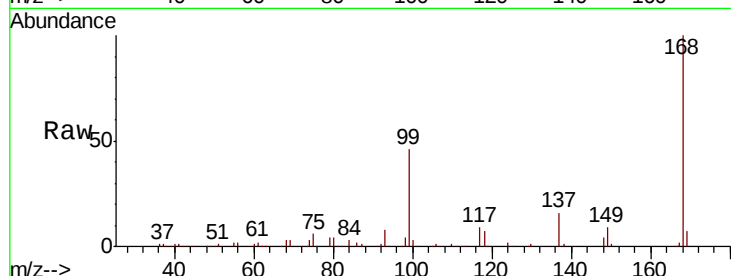
99 46.2 37.6 56.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

40000

20000

0

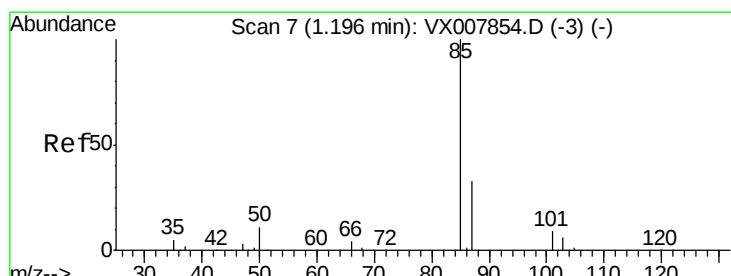
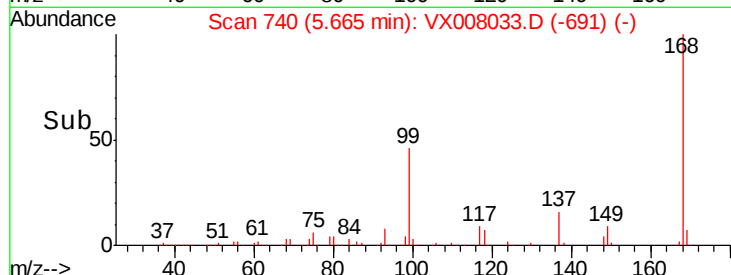
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.263 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008033.D

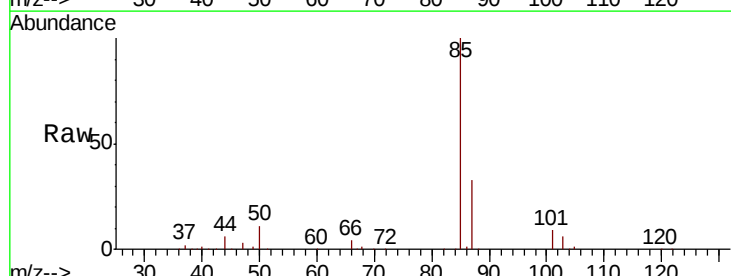
Acq: 12 Mar 2019 22:46

Tgt Ion: 85 Resp: 87886

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

80000

60000

40000

20000

0

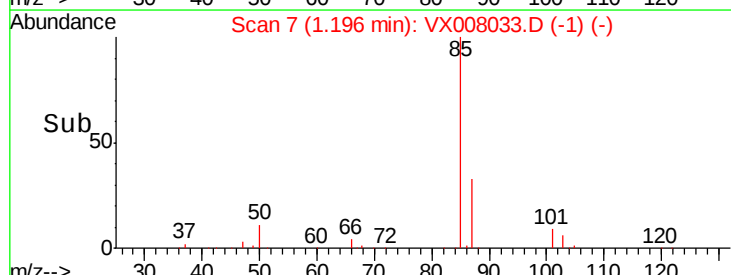
1.15

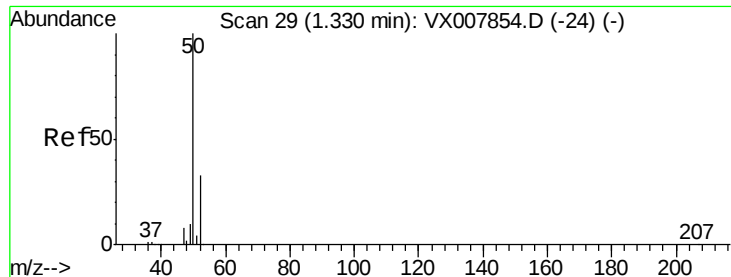
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 46.839 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Instrument :

MSVOA_X

ClientSampleId :

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Tgt Ion: 50 Resp: 114669

Ion Ratio Lower Upper

50 100

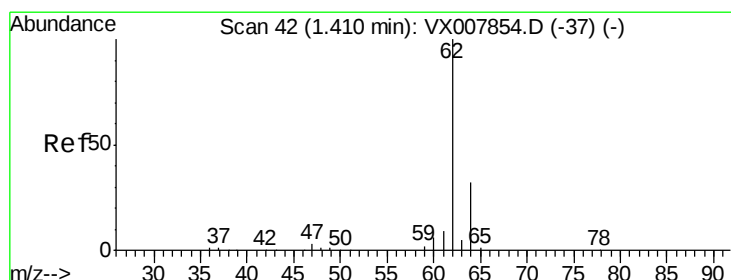
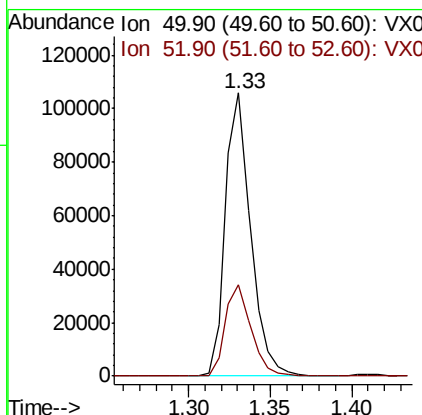
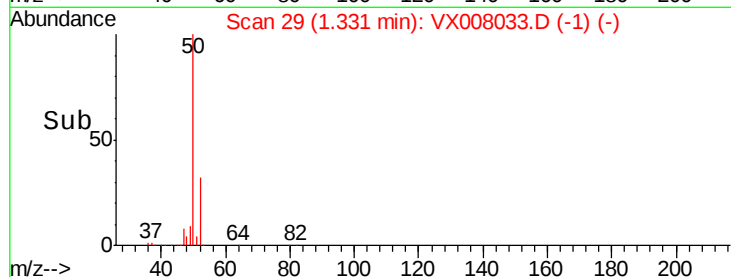
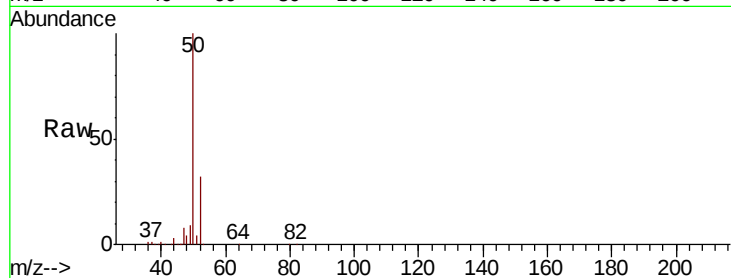
52 32.5 26.5 39.7

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#4

Vinyl Chloride

Concen: 49.097 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008033.D

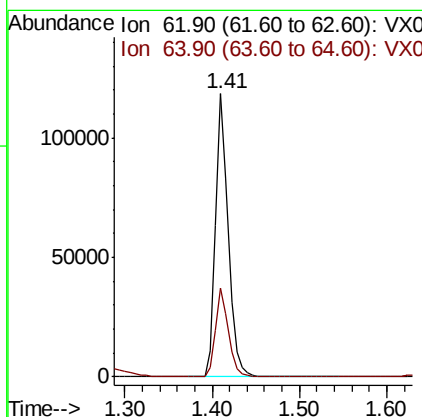
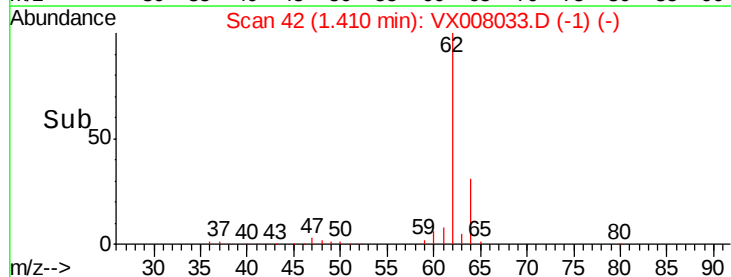
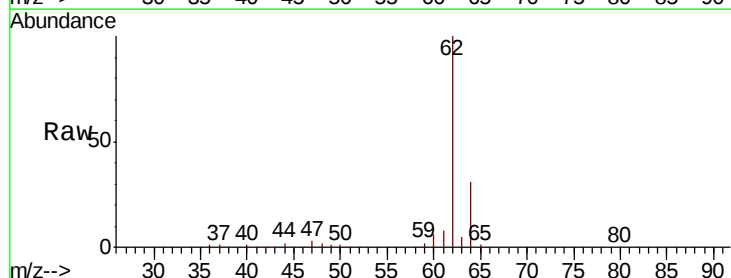
Acq: 12 Mar 2019 22:46

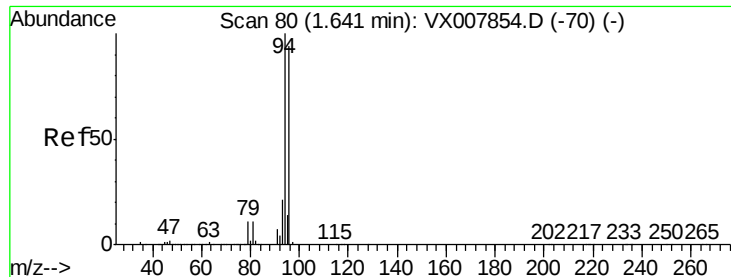
Tgt Ion: 62 Resp: 119429

Ion Ratio Lower Upper

62 100

64 31.3 25.3 37.9





#5

Bromomethane

Concen: 54.246 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008033.D

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Tgt Ion: 94 Resp: 61814

Ion Ratio Lower Upper

94 100

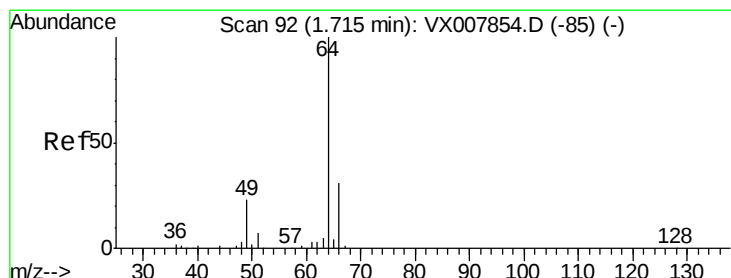
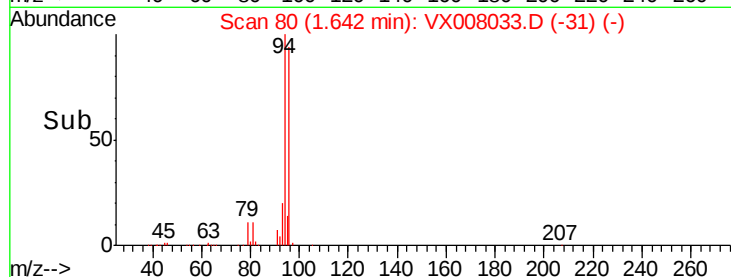
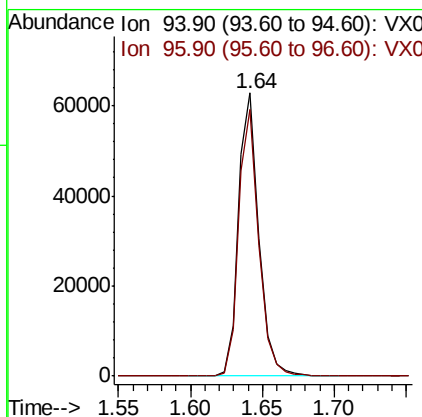
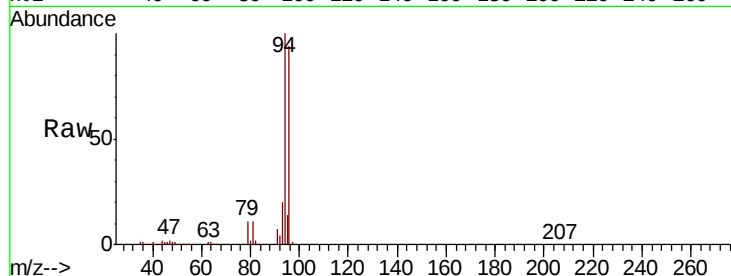
96 94.1 75.5 113.3

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#6

Chloroethane

Concen: 45.754 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX008033.D

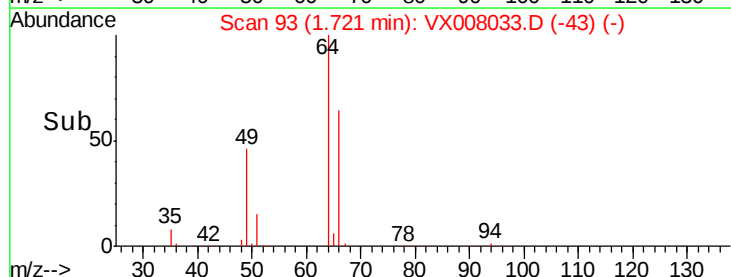
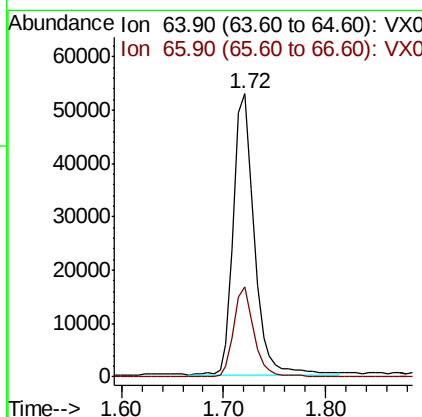
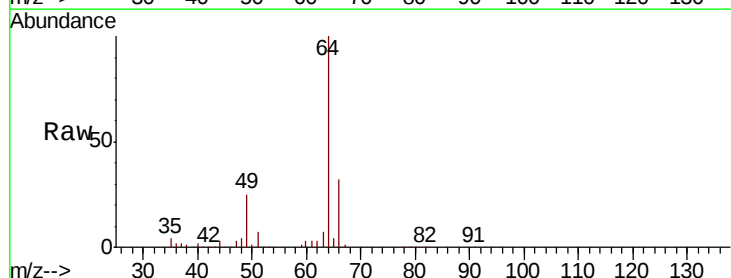
Acq: 12 Mar 2019 22:46

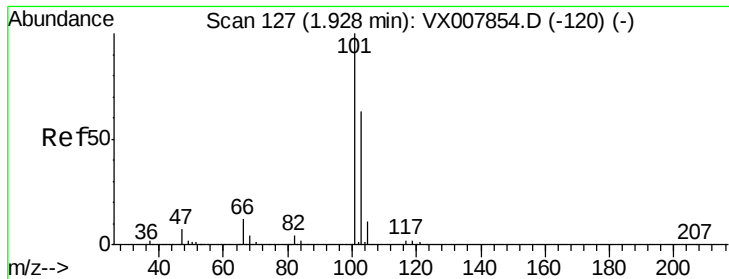
Tgt Ion: 64 Resp: 73937

Ion Ratio Lower Upper

64 100

66 31.9 25.2 37.8





#7

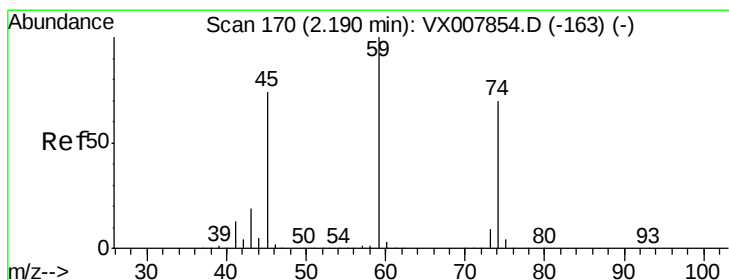
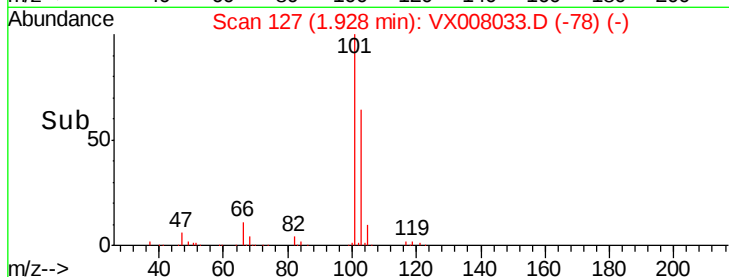
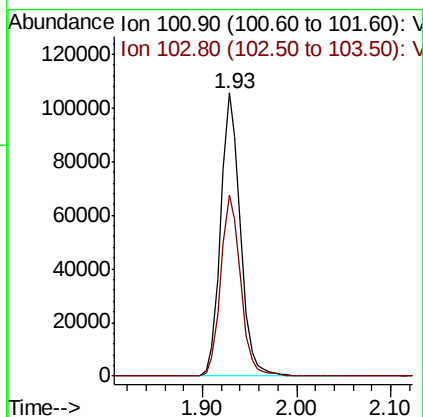
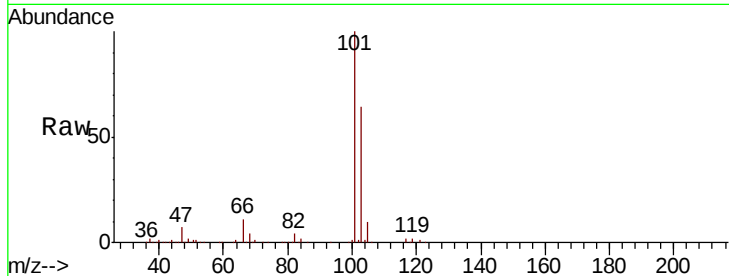
Trichlorofluoromethane
Concen: 48.132 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

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Tgt Ion: 101 Resp: 152438
Ion Ratio Lower Upper
101 100
103 63.7 50.4 75.6

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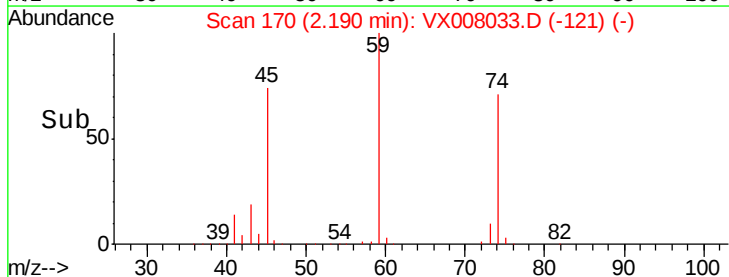
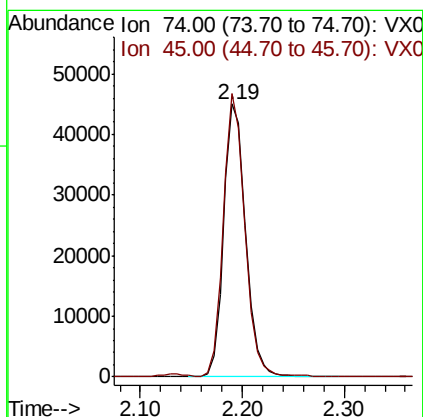
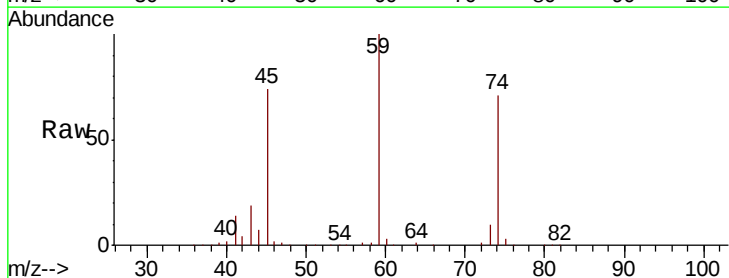
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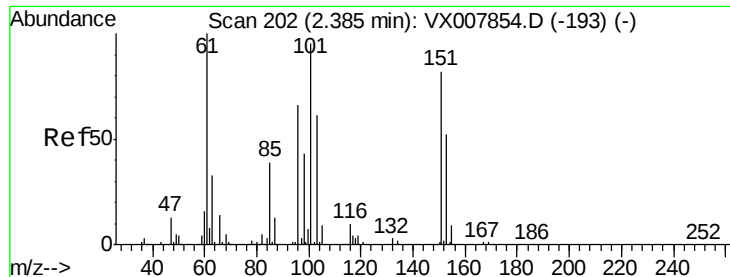


#8

Diethyl Ether
Concen: 48.984 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

Tgt Ion: 74 Resp: 67178
Ion Ratio Lower Upper
74 100
45 101.1 52.1 156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.497 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Instrument :

MSVOA_X

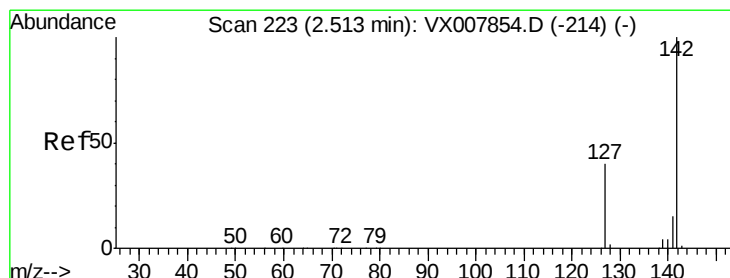
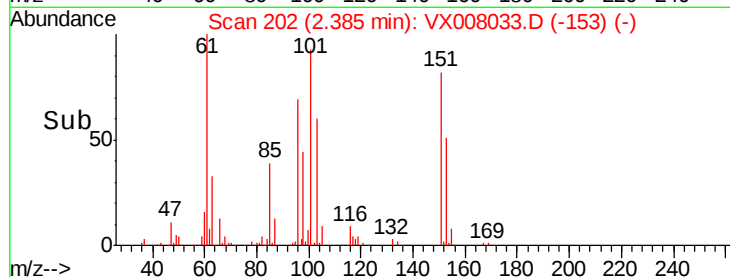
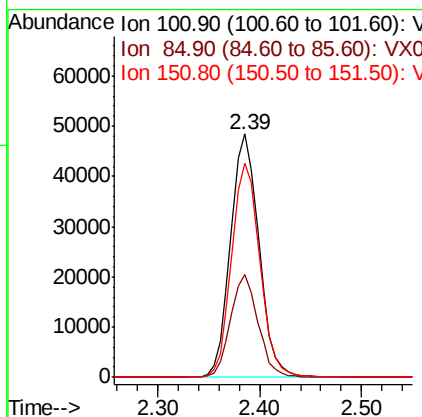
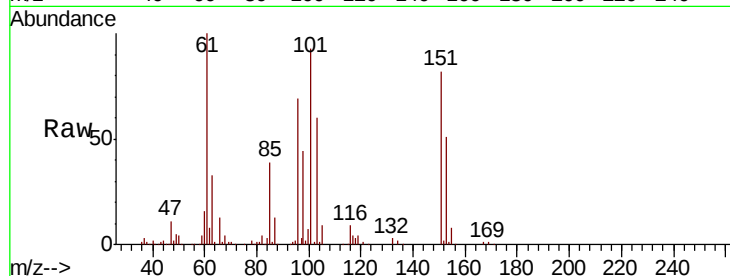
ClientSampleId :

CPA-CPMW05D-M20W2-030619MS

Tgt Ion:	101	Resp:	93218
Ion Ratio	Lower	Upper	
101	100		
85	41.0	33.8	50.6
151	87.6	69.1	103.7

Manual Integrations
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3/13/2019 10:14:09 AM



#10

Methyl Iodide

Concen: 52.719 ug/l

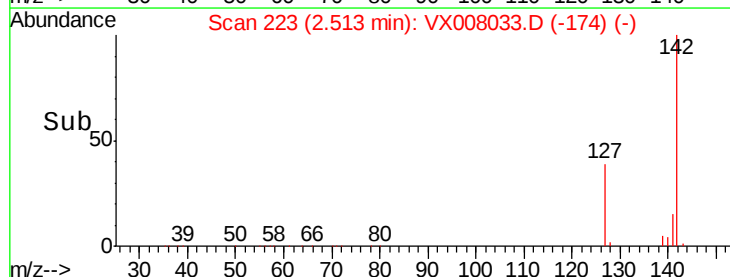
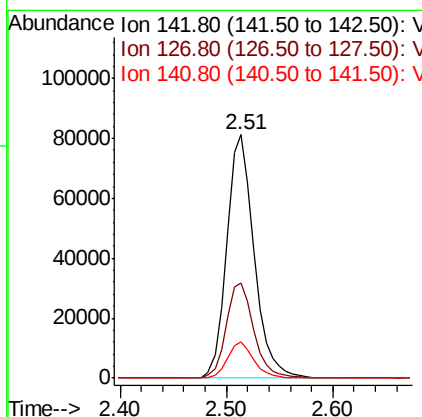
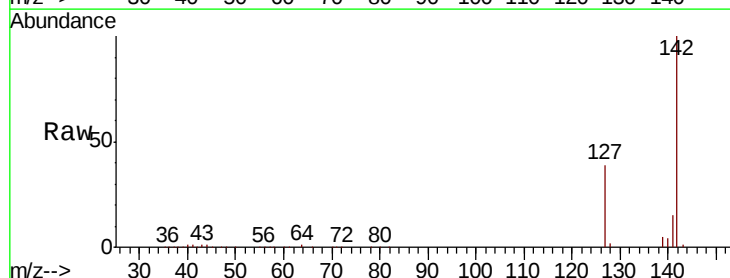
RT: 2.51 min Scan# 223

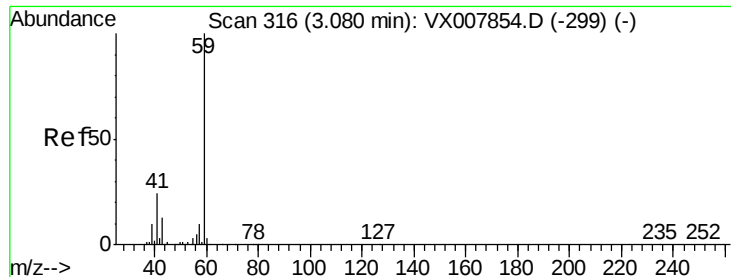
Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Tgt Ion:	142	Resp:	146783
Ion Ratio	Lower	Upper	
142	100		
127	39.5	32.1	48.1
141	14.3	11.4	17.2





#11

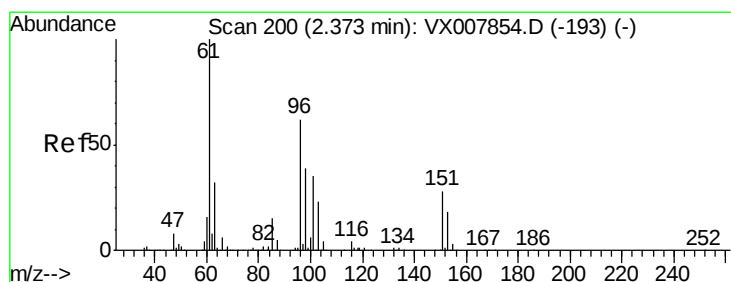
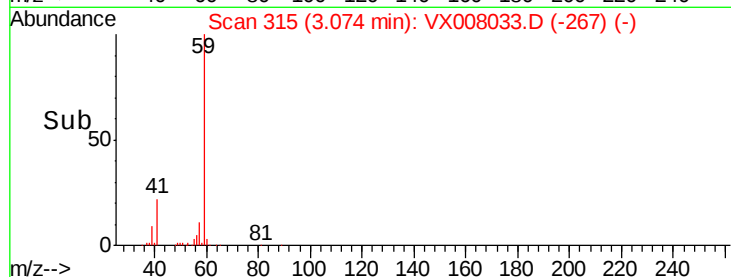
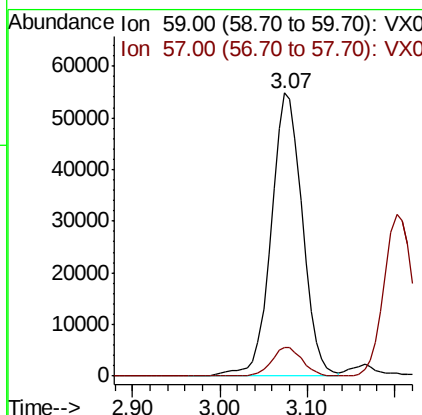
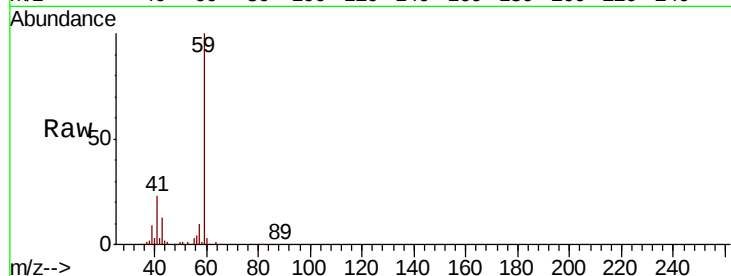
Tert butyl alcohol
Concen: 260.078 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW05D-M20W2-030619MS

Tgt Ion: 59 Resp: 136427
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.2

Manual Integrations
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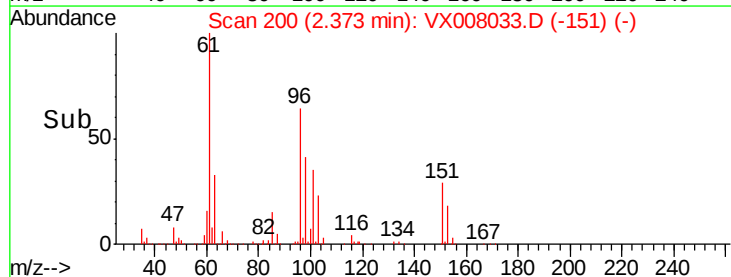
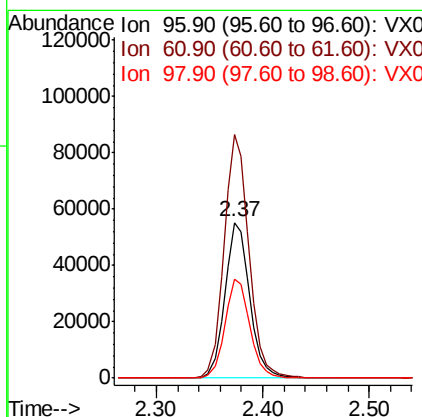
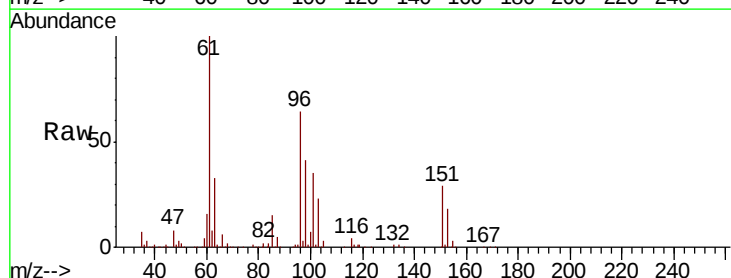
MMDadoda
3/13/2019 10:14:09 AM



#12

1,1-Dichloroethene
Concen: 47.401 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

Tgt Ion: 96 Resp: 89674
Ion Ratio Lower Upper
96 100
61 156.6 129.8 194.6
98 63.7 51.0 76.6





#13

Acrolein

Concen: 312.815 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW05D-M20W2-030619MS

Tgt Ion: 56 Resp: 92976

Ion Ratio Lower Upper

56 100

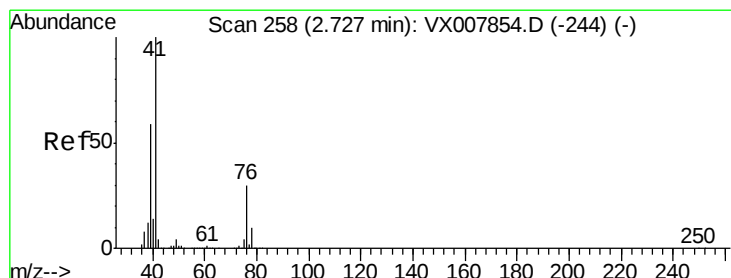
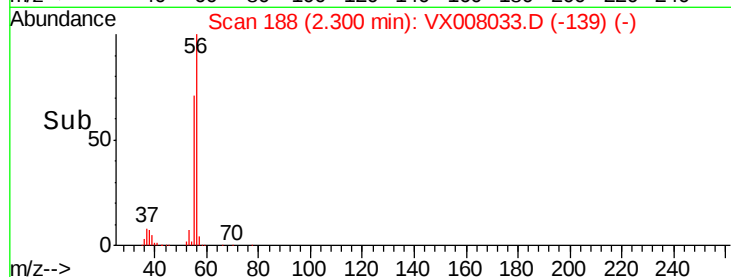
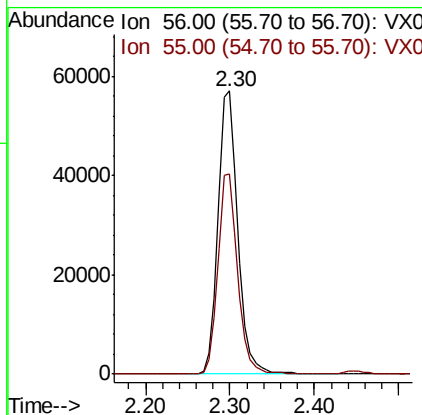
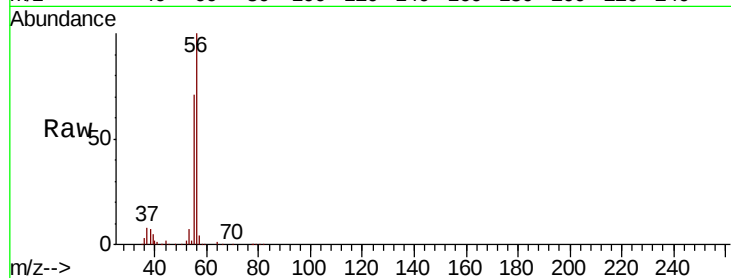
55 70.7 57.8 86.6

Manual Integrations

APPROVED

MMDadoda

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#14

Allyl chloride

Concen: 45.178 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

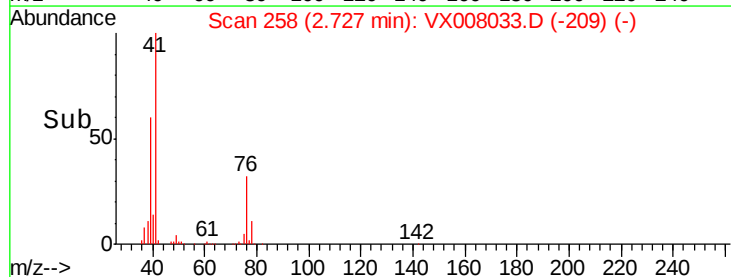
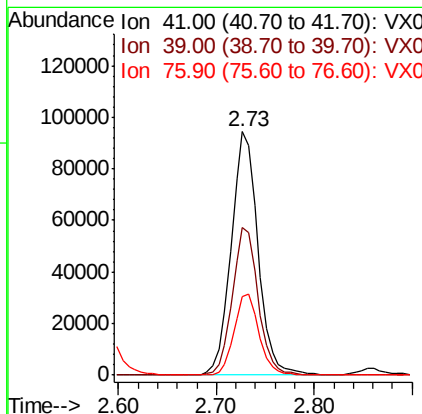
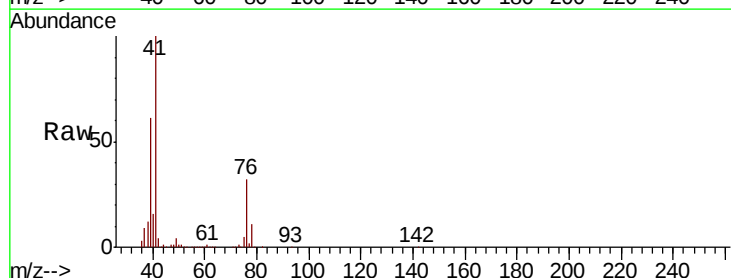
Tgt Ion: 41 Resp: 179598

Ion Ratio Lower Upper

41 100

39 58.4 46.1 69.1

76 31.1 24.0 36.0





#15

Acrylonitrile

Concen: 239.891 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Instrument :

MSVOA_X

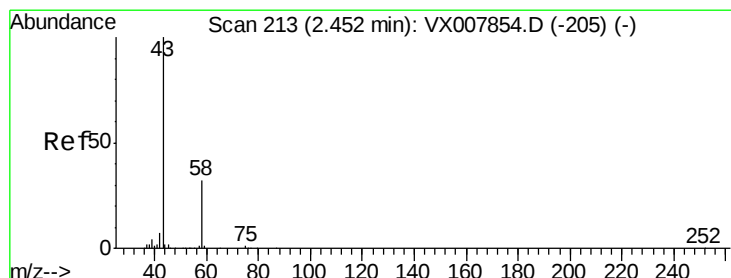
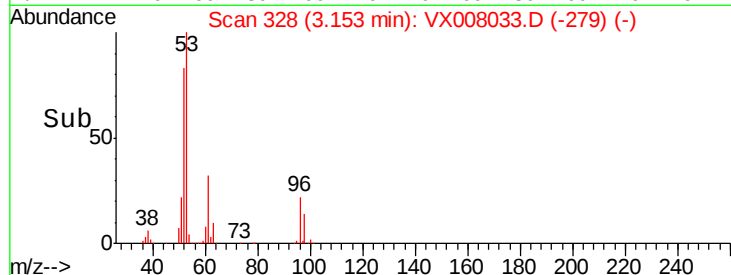
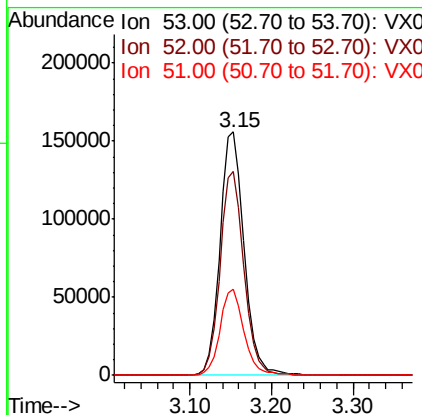
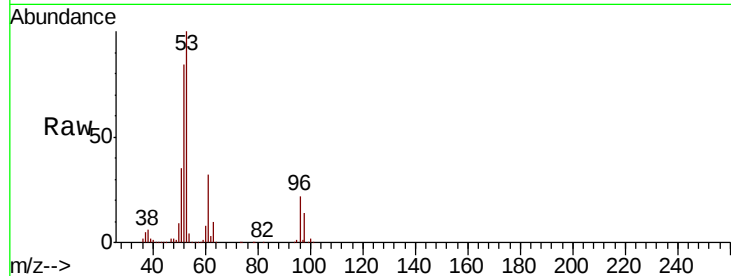
ClientSampleId :

CPA-CPMW05D-M20W2-030619MS

Tgt Ion:	53	Resp:	317627
Ion Ratio		Lower	Upper
53	100		
52	82.8	66.0	99.0
51	35.3	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 190.249 ug/l

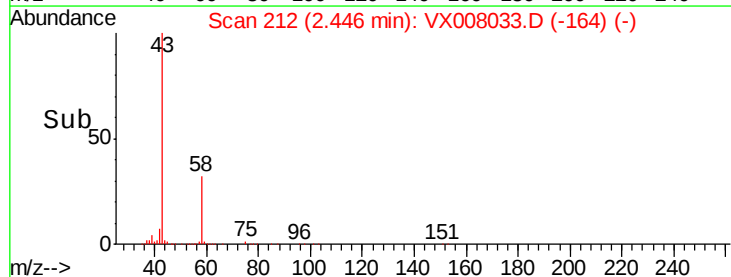
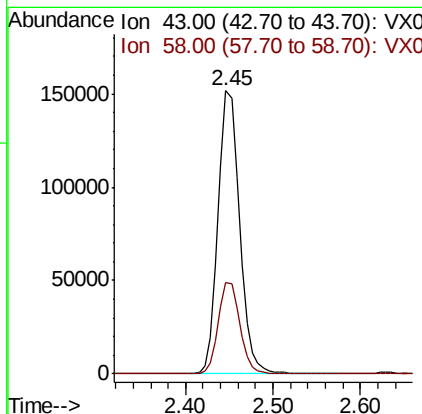
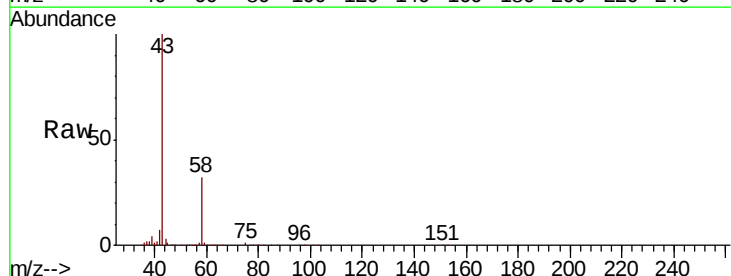
RT: 2.45 min Scan# 212

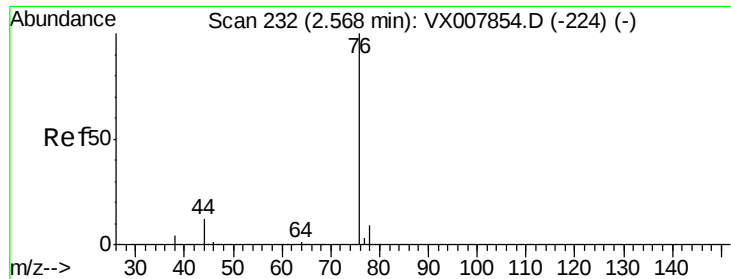
Delta R.T. -0.01 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Tgt Ion:	43	Resp:	258295
Ion Ratio		Lower	Upper
43	100		
58	32.1	25.5	38.3





#17

Carbon Disulfide

Concen: 46.590 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW05D-M20W2-030619MS

Tgt Ion: 76 Resp: 267831

Ion Ratio Lower Upper

76 100

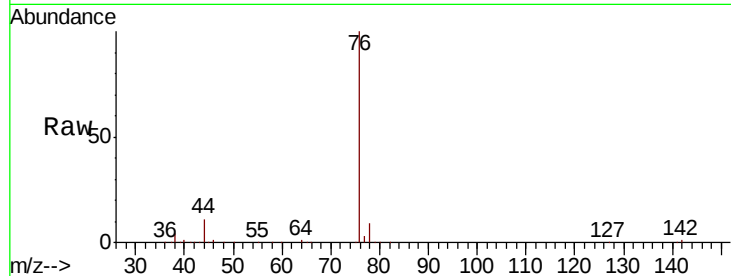
78 9.0 7.2 10.8

Manual Integrations

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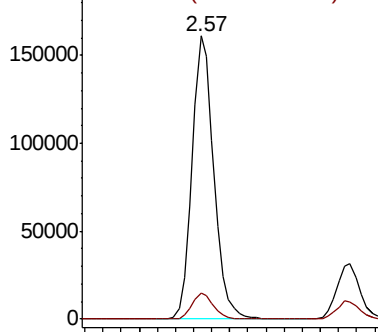
MMDadoda

3/13/2019 10:14:09 AM

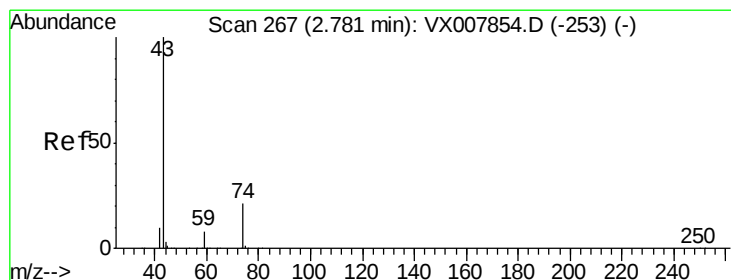
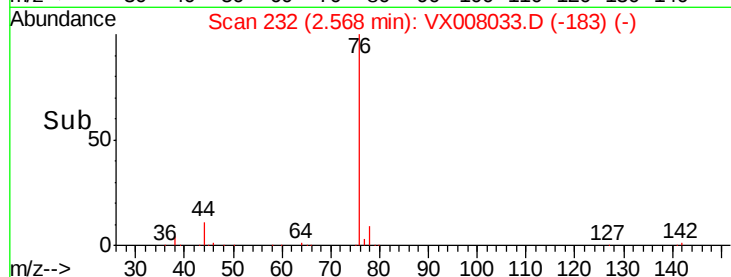


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#18

Methyl Acetate

Concen: 45.326 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX008033.D

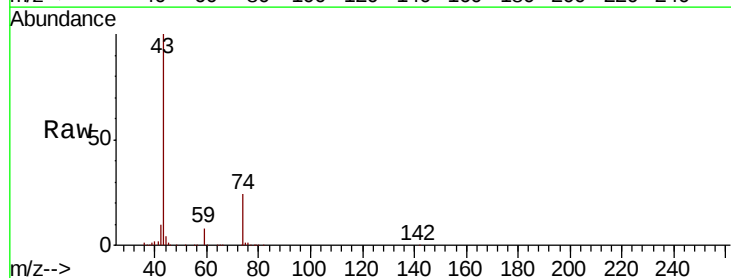
Acq: 12 Mar 2019 22:46

Tgt Ion: 43 Resp: 130735

Ion Ratio Lower Upper

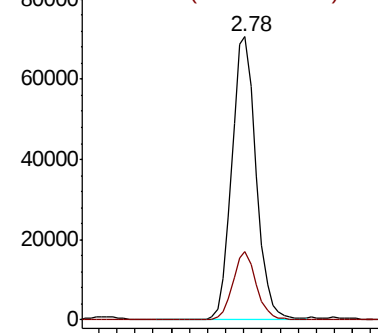
43 100

74 23.6 17.8 26.6

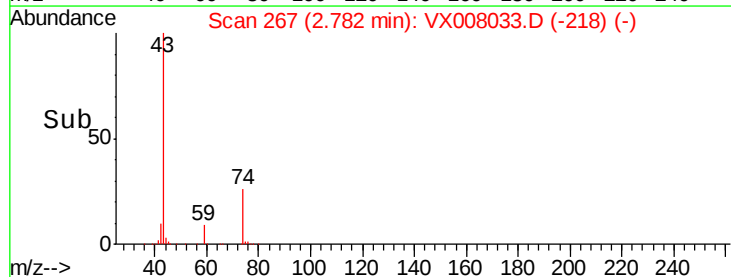


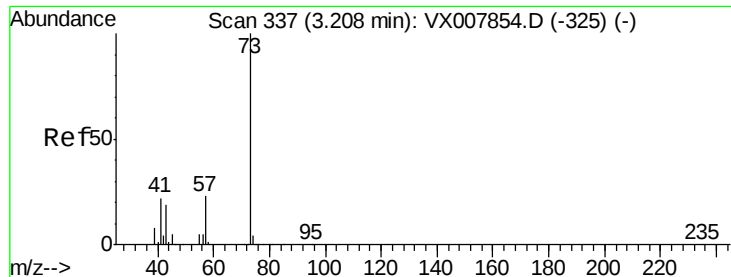
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



Time-->





#19

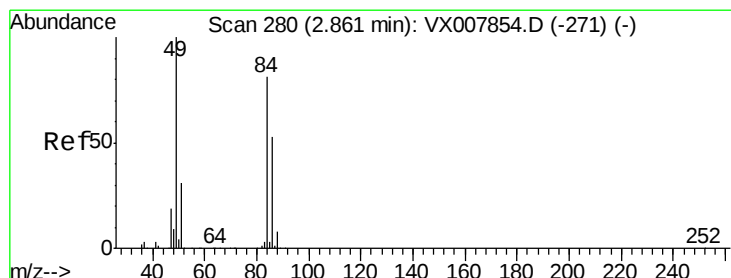
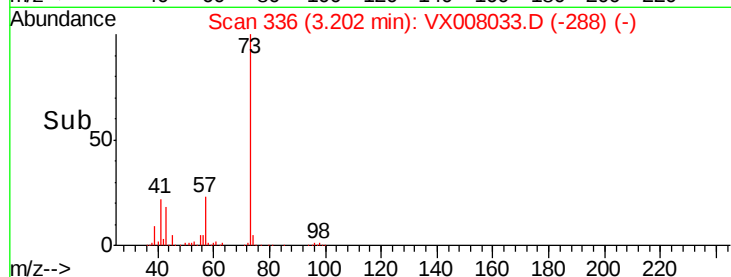
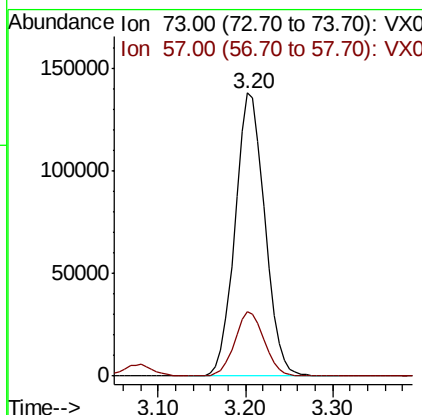
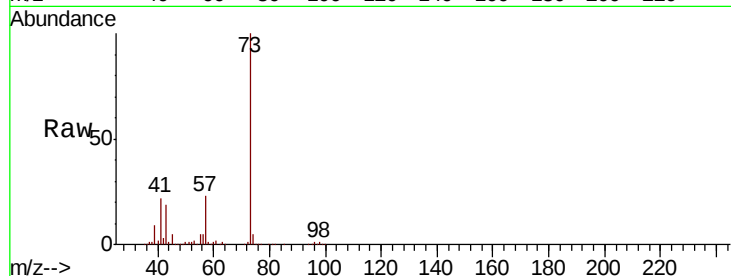
Methyl tert-butyl Ether
Concen: 50.249 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW05D-M20W2-030619MS

Tgt Ion: 73 Resp: 327035
Ion Ratio Lower Upper
73 100
57 22.7 18.2 27.4

Manual Integrations
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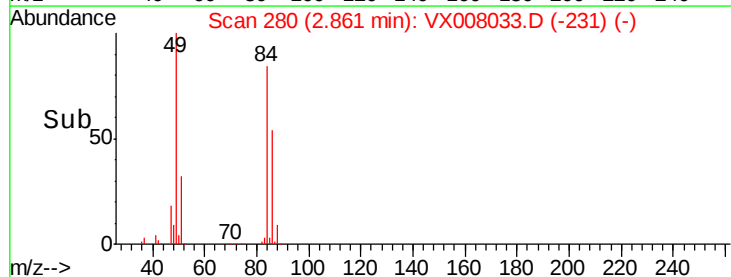
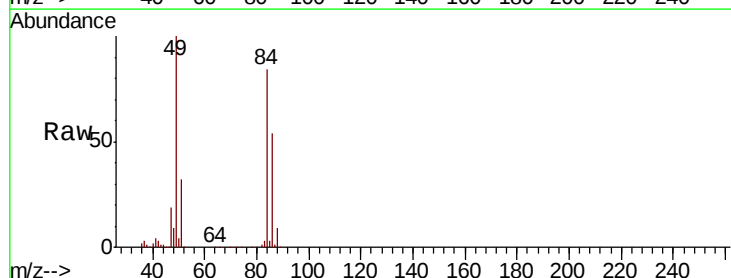
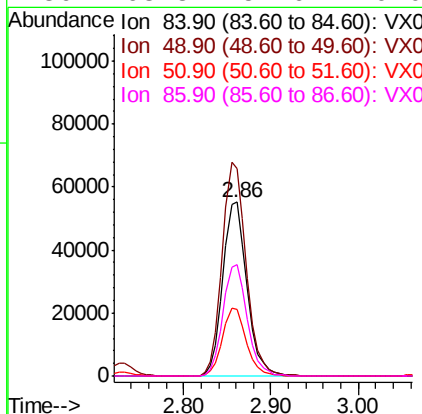
MMDadoda
3/13/2019 10:14:09 AM



#20

Methylene Chloride
Concen: 48.881 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

Tgt Ion: 84 Resp: 105619
Ion Ratio Lower Upper
84 100
49 119.1 99.3 148.9
51 38.1 31.3 46.9
86 63.8 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 47.245 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Instrument :

MSVOA_X

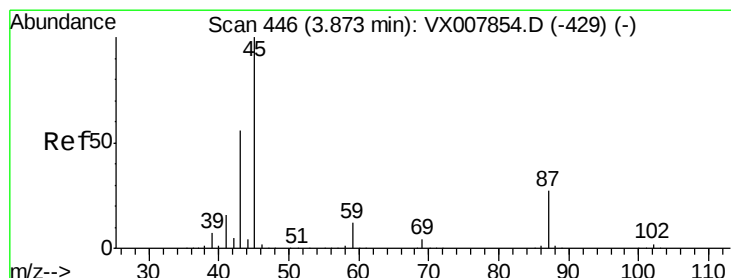
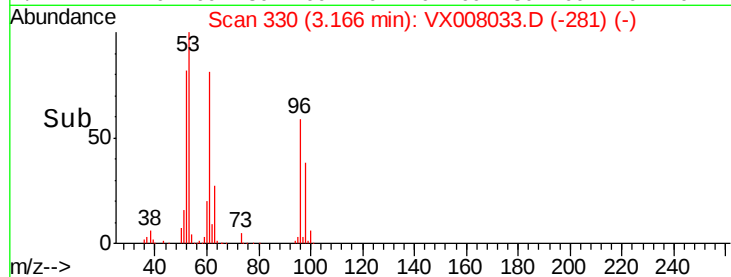
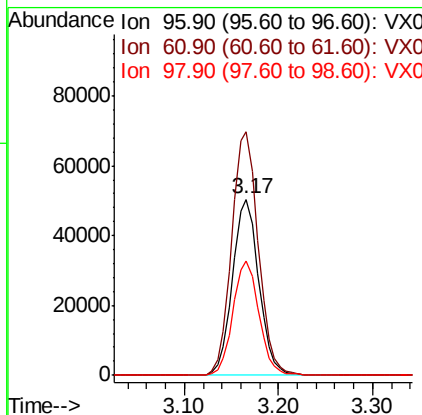
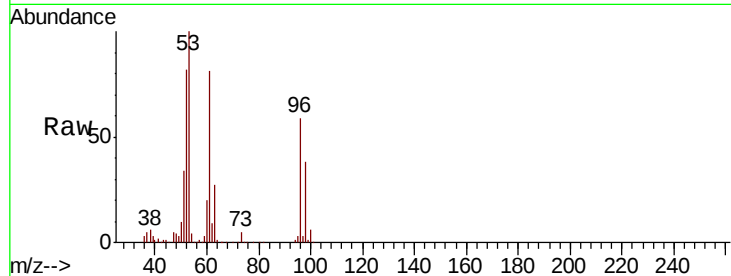
ClientSampleId :

CPA-CPMW05D-M20W2-030619MS

Tgt Ion:	96	Resp:	98345
Ion Ratio	Lower	Upper	
96	100		
61	138.0	114.4	171.6
98	64.5	51.1	76.7

Manual Integrations
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3/13/2019 10:14:09 AM



#22

Diisopropyl ether

Concen: 48.216 ug/l

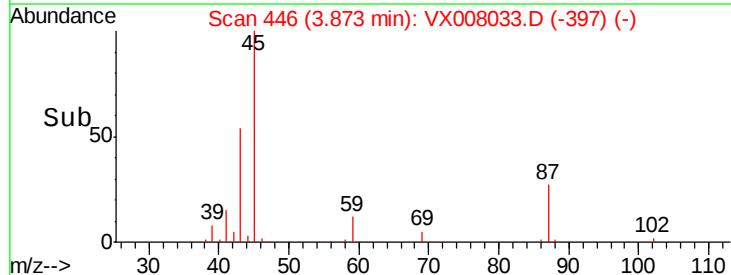
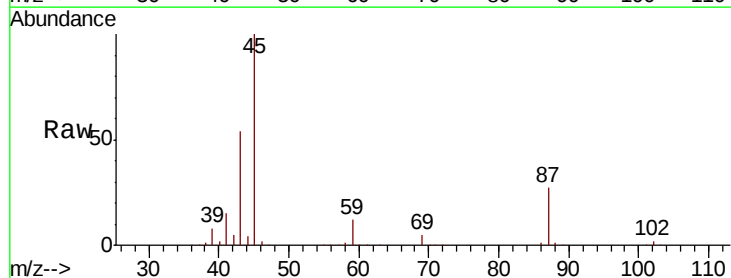
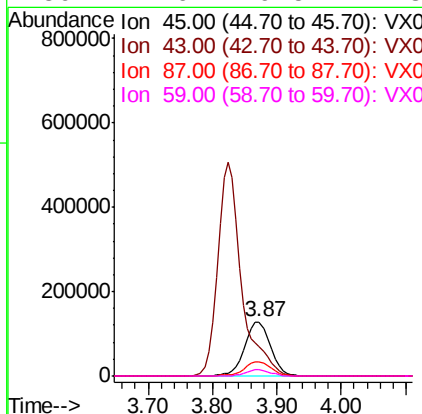
RT: 3.87 min Scan# 446

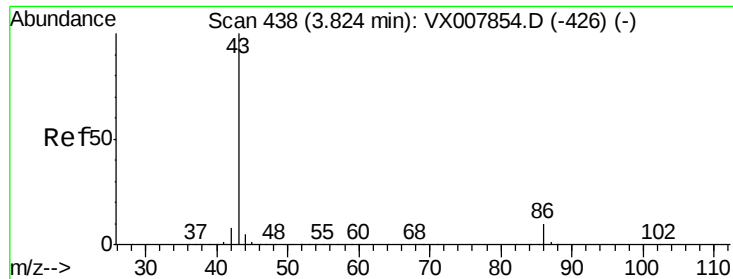
Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Tgt Ion:	45	Resp:	351356
Ion Ratio	Lower	Upper	
45	100		
43	54.0	45.3	67.9
87	27.1	21.4	32.0
59	11.6	9.5	14.3





#23

Vinyl Acetate

Concen: 205.410 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW05D-M20W2-030619MS

Tgt Ion: 43 Resp: 1312631

Ion Ratio Lower Upper

43 100

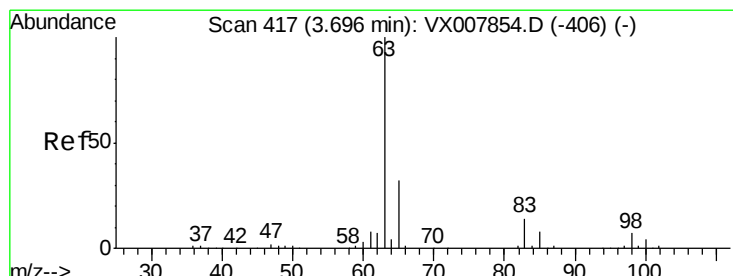
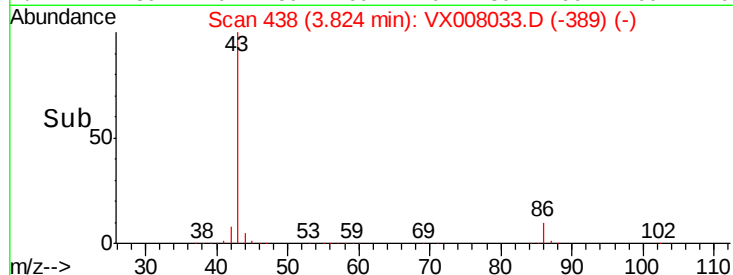
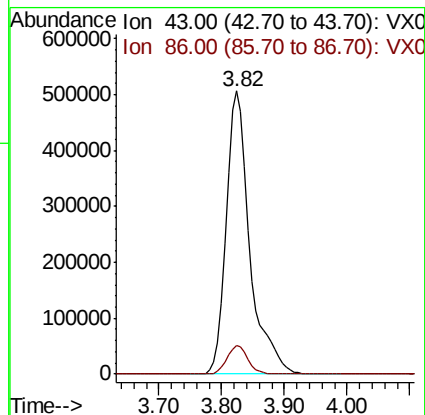
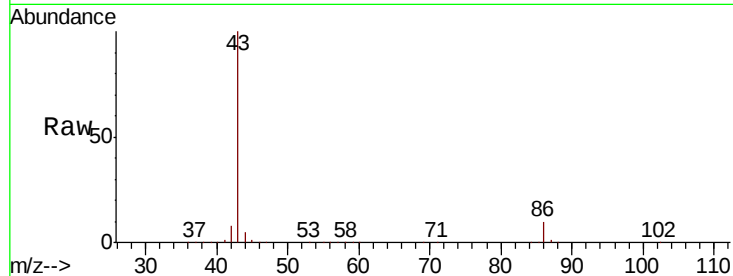
86 10.2 7.9 11.9

Manual Integrations

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3/13/2019 10:14:09 AM



#24

1,1-Dichloroethane

Concen: 48.504 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

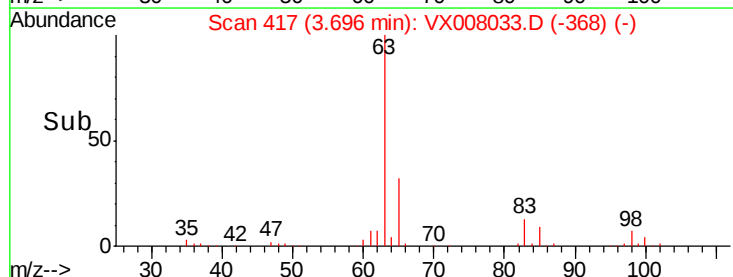
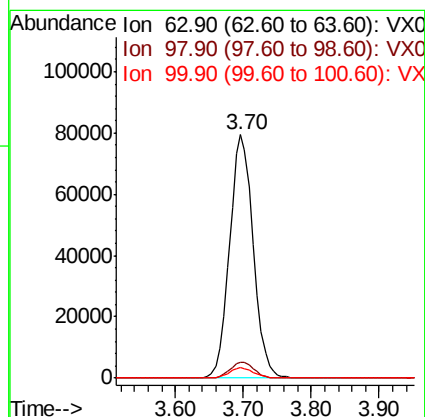
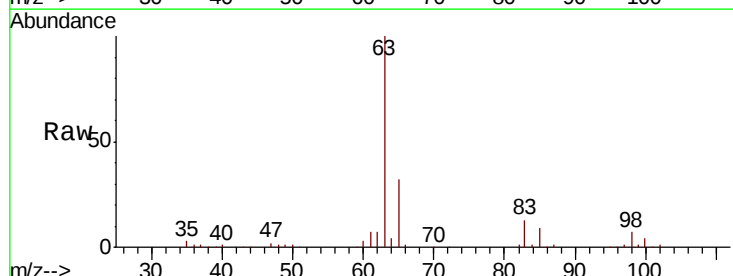
Tgt Ion: 63 Resp: 190210

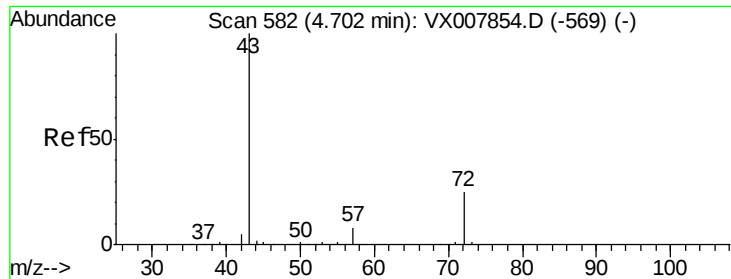
Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

100 4.2 2.3 6.8





#25

2-Butanone

Concen: 230.436 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW05D-M20W2-030619MS

Tgt Ion: 43 Resp: 442922

Ion Ratio Lower Upper

43 100

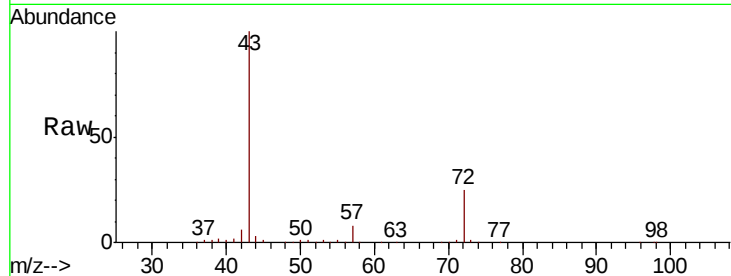
72 25.2 19.9 29.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

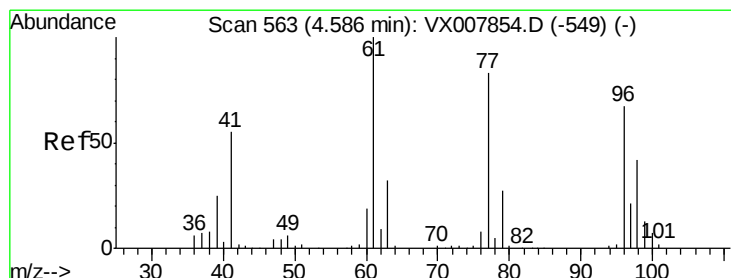
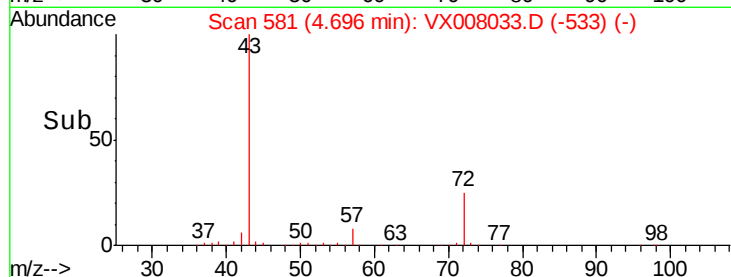
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 43.175 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008033.D

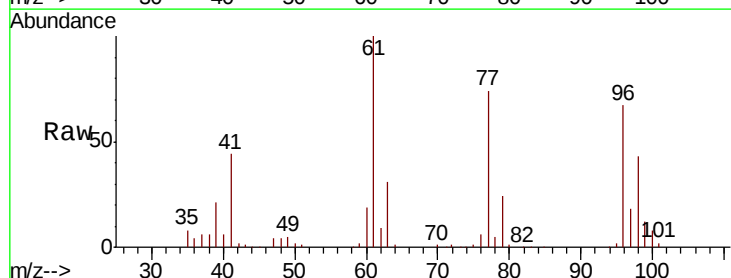
Acq: 12 Mar 2019 22:46

Tgt Ion: 77 Resp: 112171

Ion Ratio Lower Upper

77 100

97 25.2 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

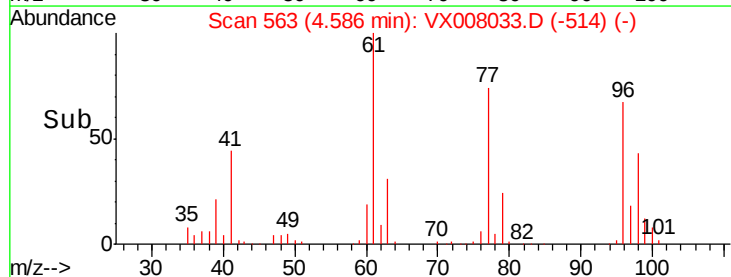
20000

10000

0

4.50 4.60 4.70

Time-->





#27

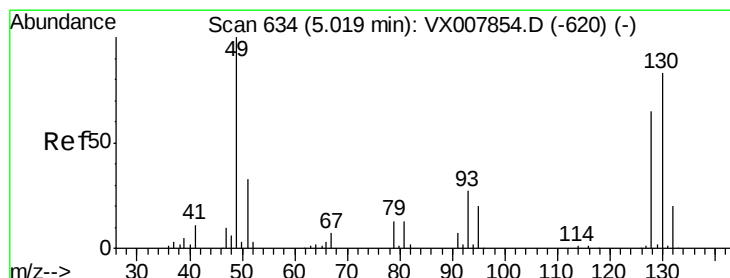
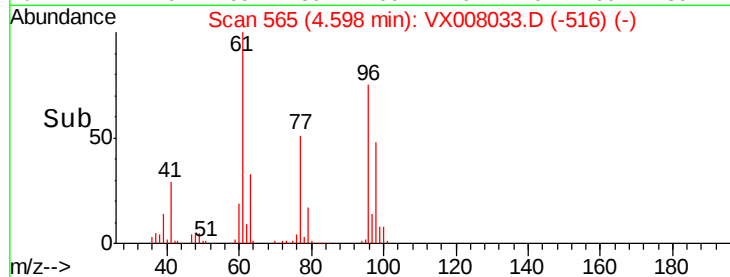
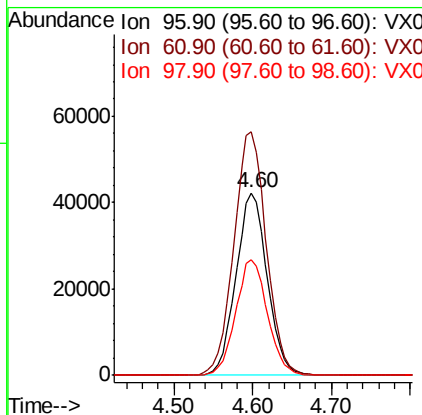
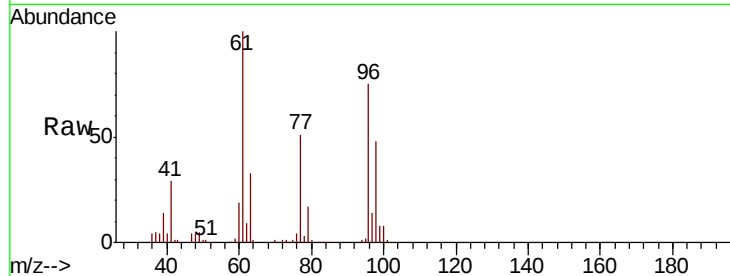
cis-1,2-Dichloroethene
Concen: 49.003 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW05D-M20W2-030619MS

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	116724		
61	138.2	0.0	288.0	
98	64.3	0.0	129.0	

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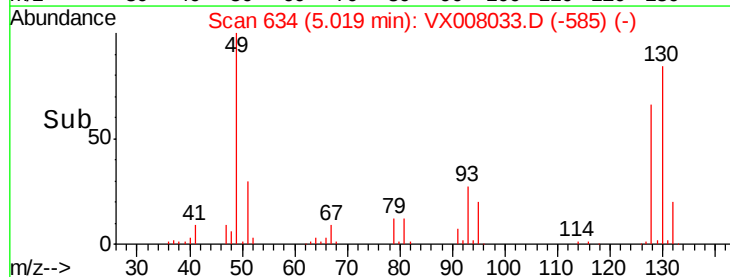
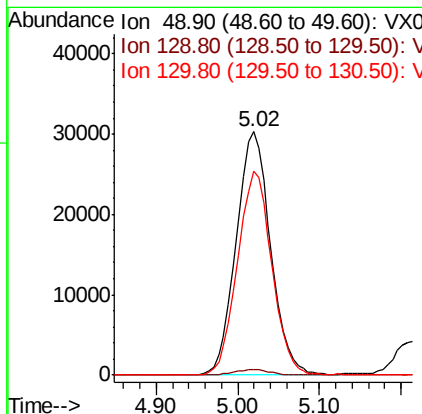
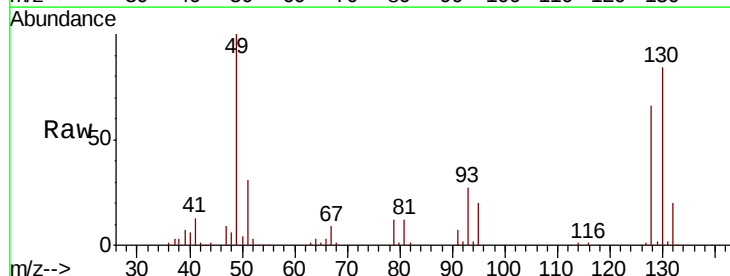
MMDadoda
3/13/2019 10:14:09 AM



#28

Bromochloromethane
Concen: 48.577 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	88812		
129	2.3	0.0	4.0	
130	83.3	65.0	97.4	





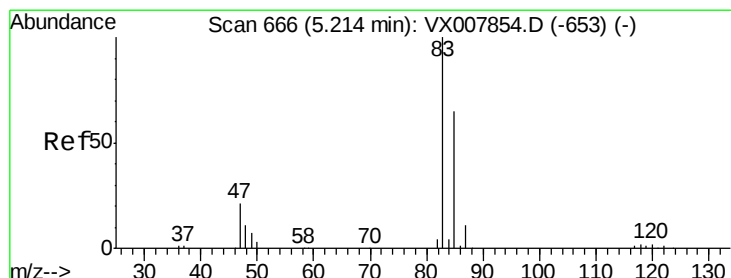
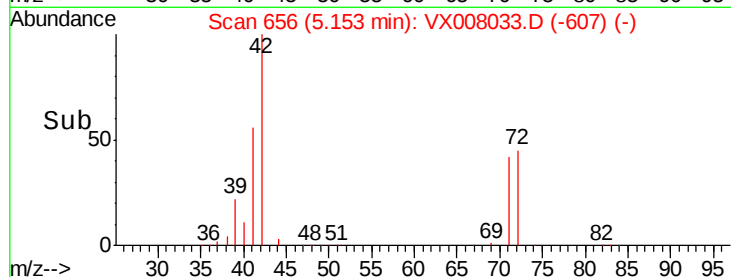
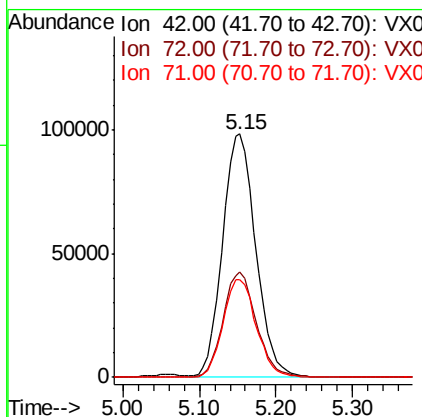
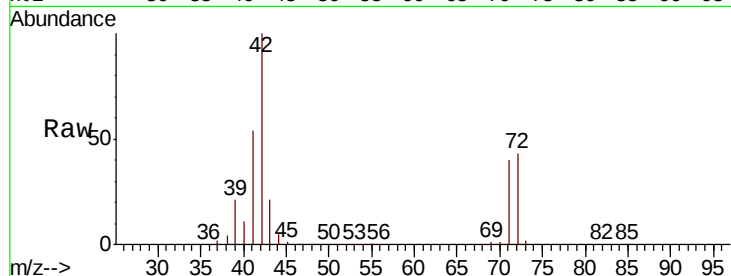
#29
Tetrahydrofuran
Concen: 245.429 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW05D-M20W2-030619MS

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.4	33.8	50.6
71	40.5	31.5	47.3

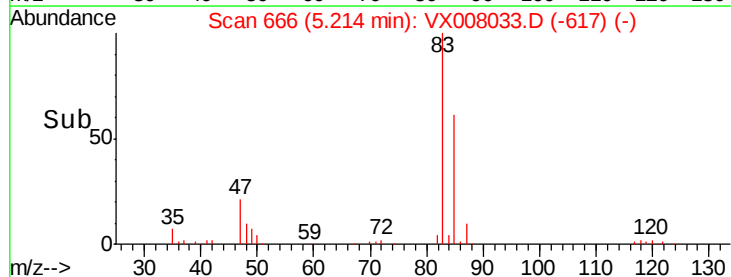
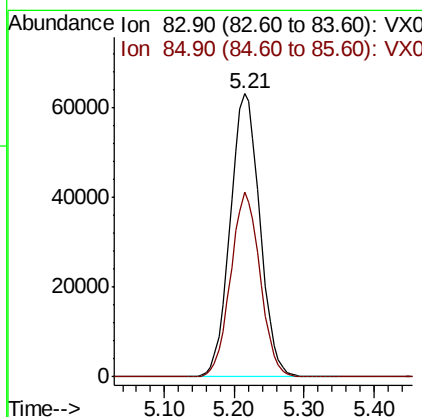
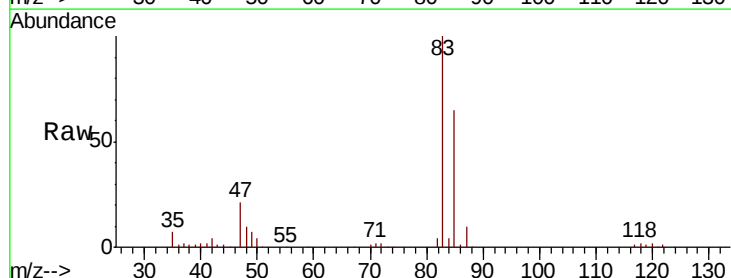
Manual Integrations
APPROVED

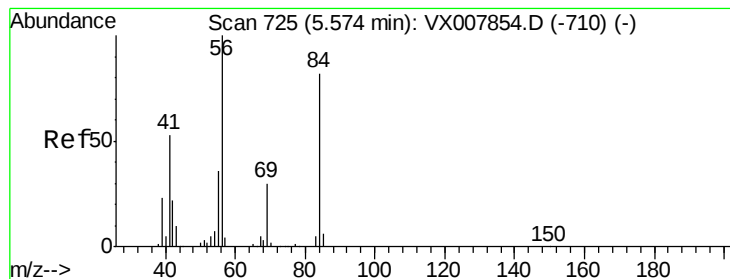
MMDadoda
3/13/2019 10:14:09 AM



#30
Chloroform
Concen: 50.103 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6





#31

Cyclohexane

Concen: 47.648 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Instrument :

MSVOA_X

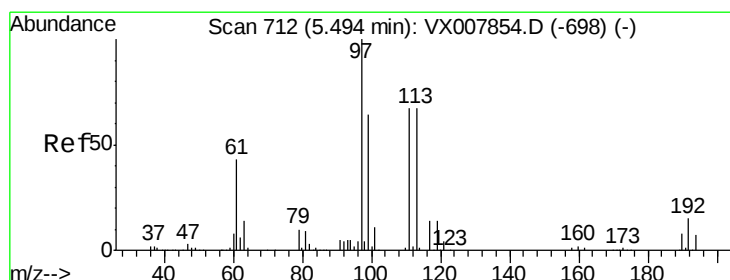
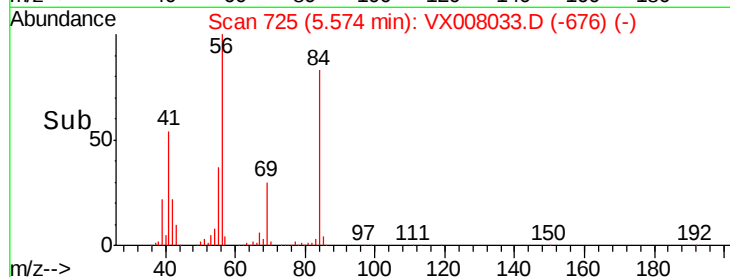
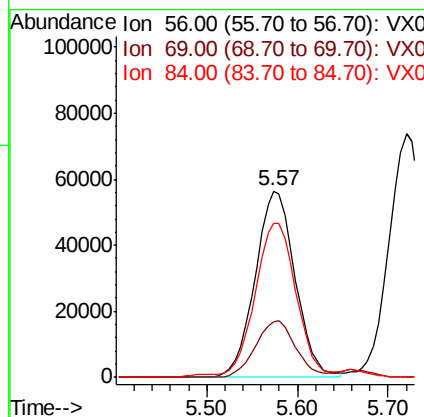
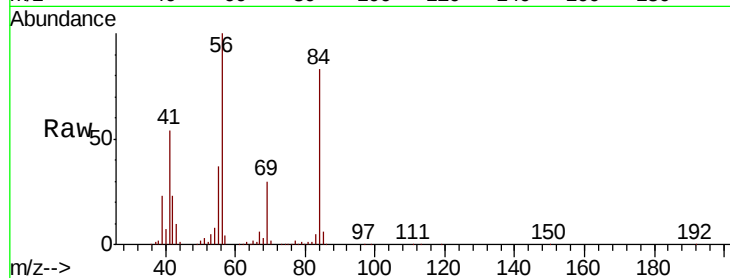
ClientSampleId :

CPA-CPMW05D-M20W2-030619MS

Tgt Ion:	56	Resp:	171733
Ion	Ratio	Lower	Upper
56	100		
69	29.8	24.0	36.0
84	81.9	65.3	97.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.083 ug/l

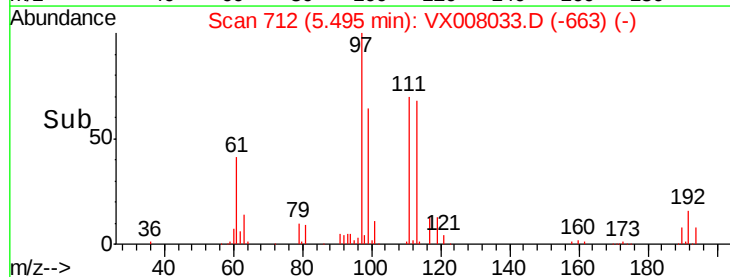
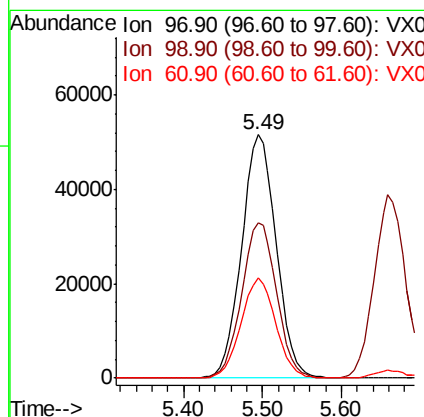
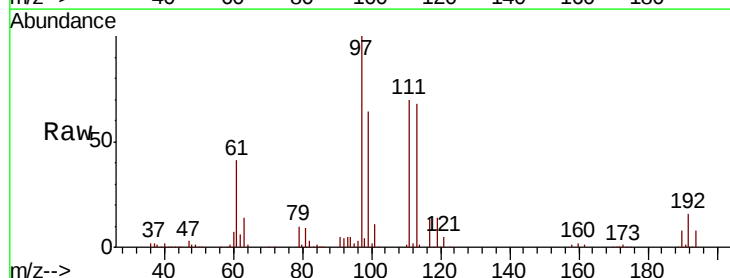
RT: 5.49 min Scan# 712

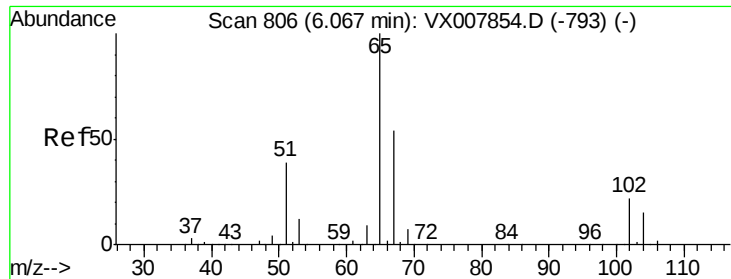
Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Tgt Ion:	97	Resp:	157226
Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.2	78.2
61	41.2	34.9	52.3





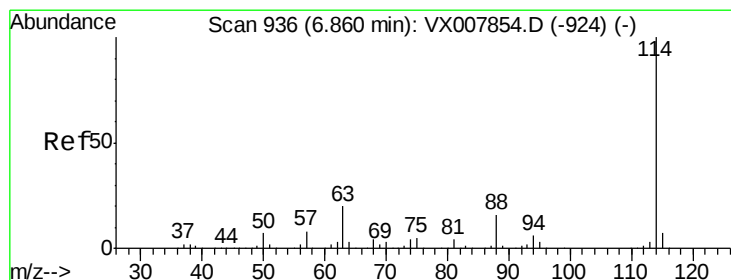
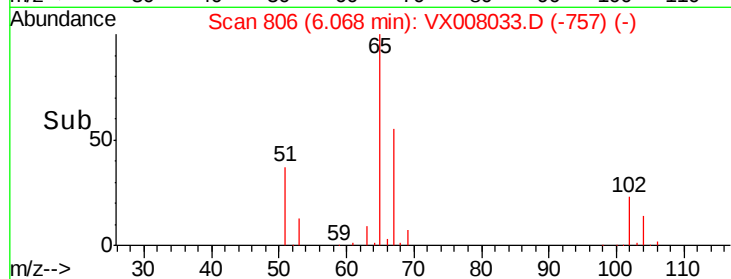
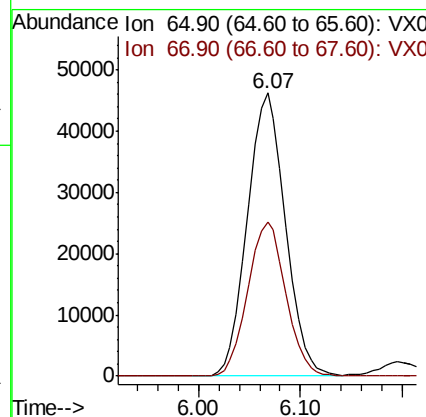
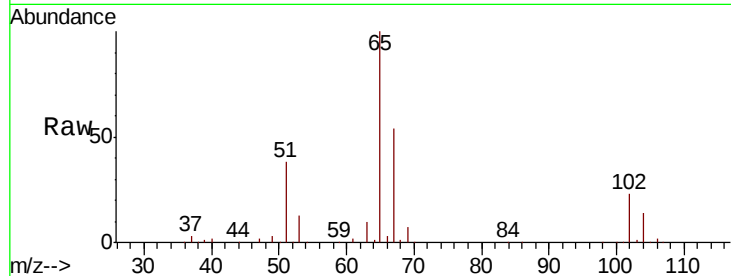
#33
 1,2-Dichloroethane-d4
 Concen: 51.126 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX008033.D
 Acq: 12 Mar 2019 22:46

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW05D-M20W2-030619MS

Tgt Ion: 65 Resp: 119922
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 110.0

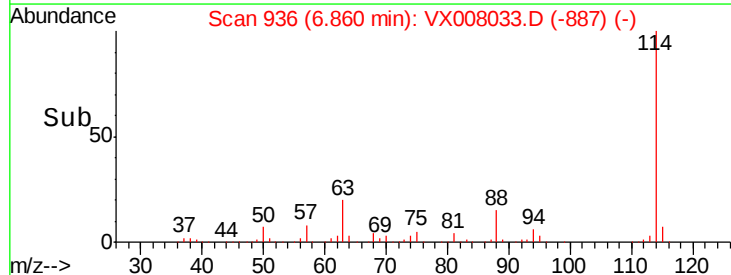
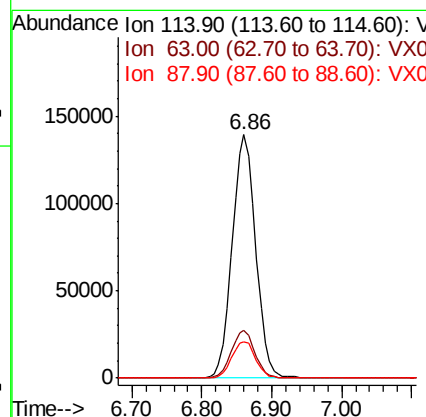
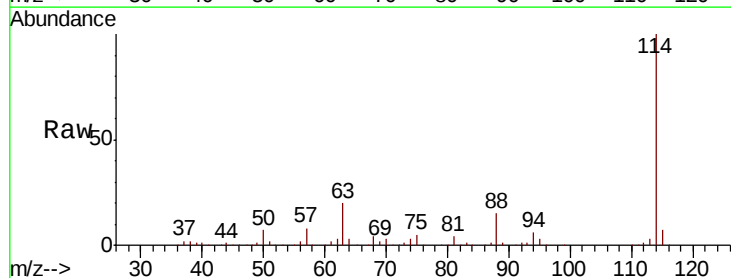
Manual Integrations
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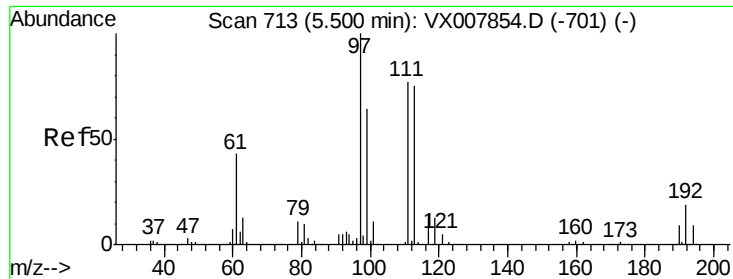
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008033.D
 Acq: 12 Mar 2019 22:46

Tgt Ion: 114 Resp: 324795
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 14.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.610 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Instrument :

MSVOA_X

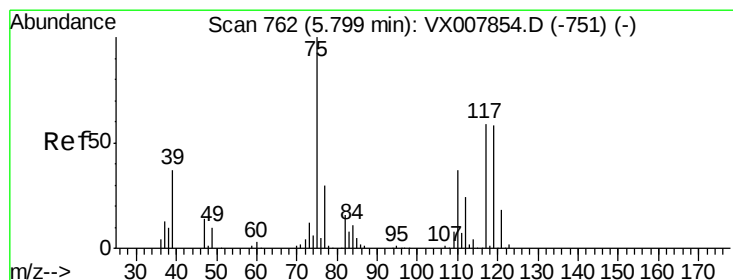
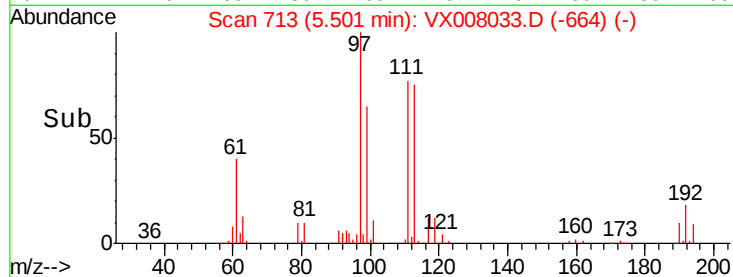
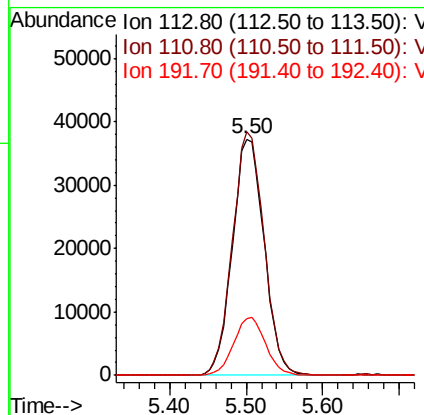
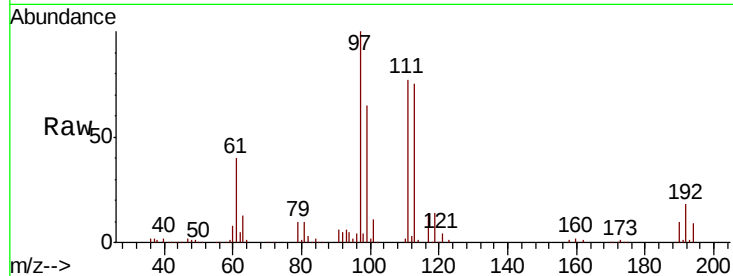
ClientSampleId :

CPA-CPMW05D-M20W2-030619MS

Tgt Ion:	113	Resp:	107225
Ion Ratio	Lower	Upper	
113	100		
111	102.3	81.4	122.0
192	24.6	19.4	29.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 47.321 ug/l

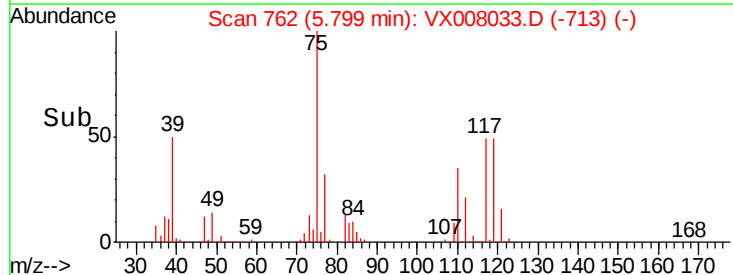
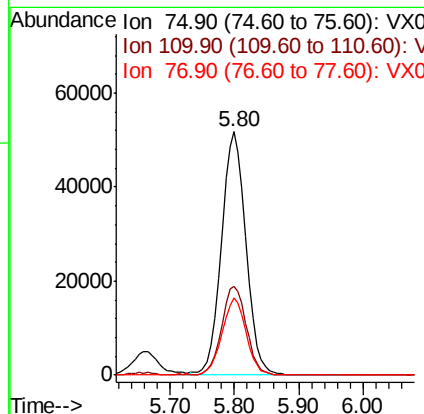
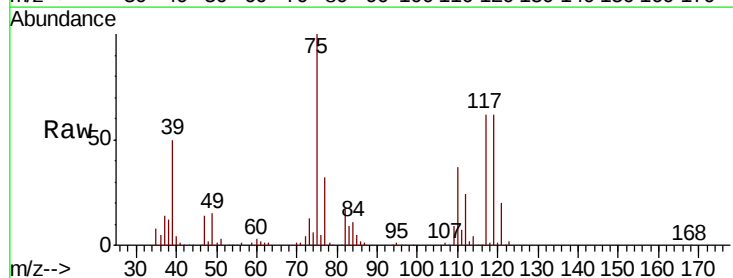
RT: 5.80 min Scan# 762

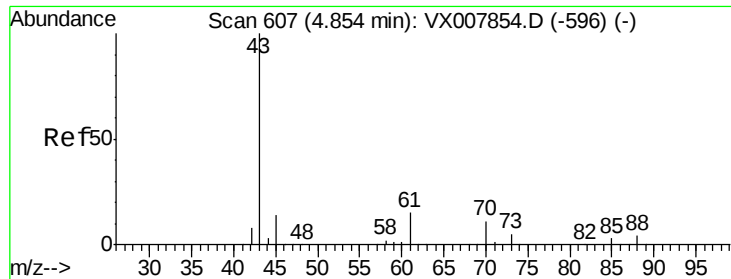
Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Tgt Ion:	75	Resp:	139168
Ion Ratio	Lower	Upper	
75	100		
110	36.9	18.4	55.0
77	31.3	25.0	37.4





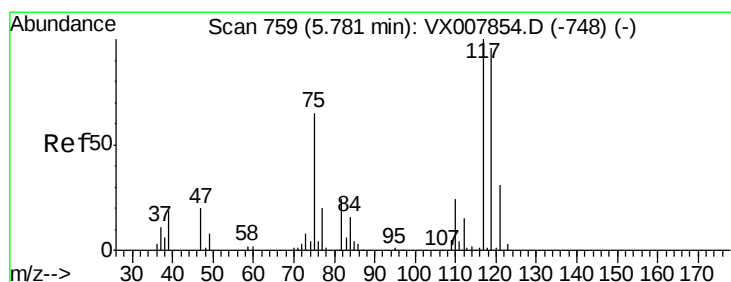
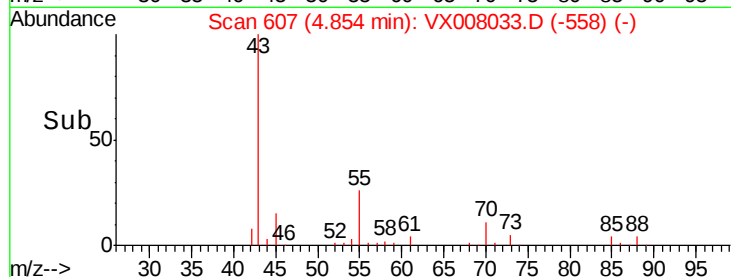
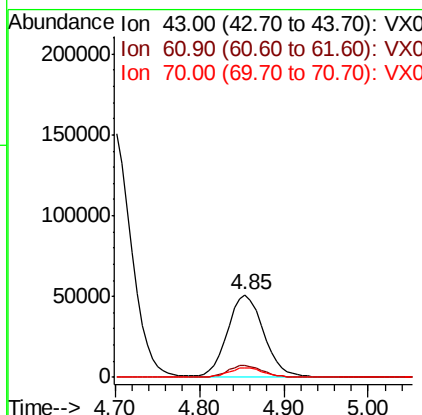
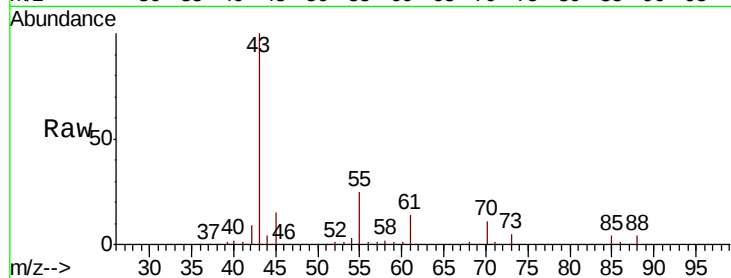
#37
Ethyl Acetate
Concen: 42.485 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW05D-M20W2-030619MS

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.3	16.9
70	10.9	8.5	12.7

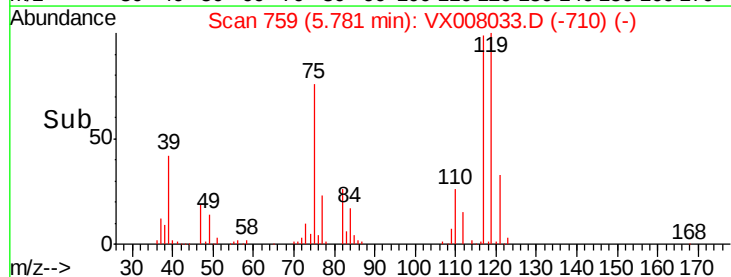
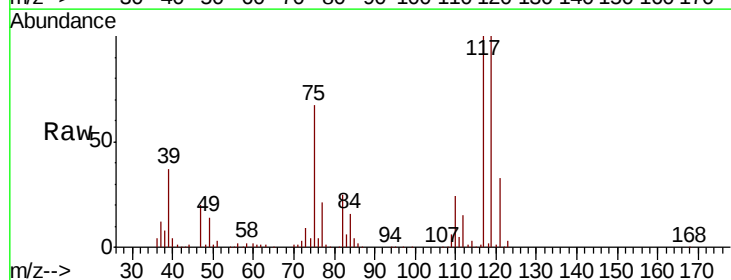
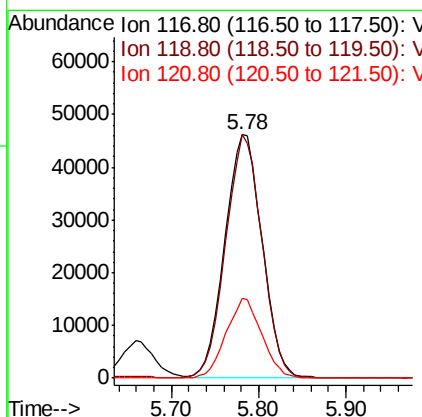
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#38
Carbon Tetrachloride
Concen: 49.066 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.2	76.2	114.2
121	32.6	24.6	36.8





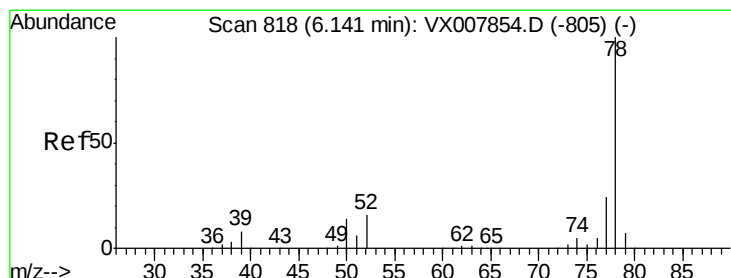
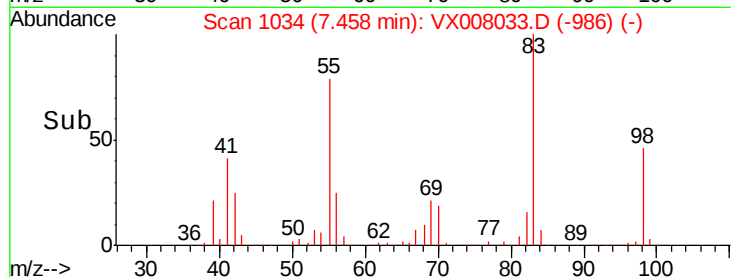
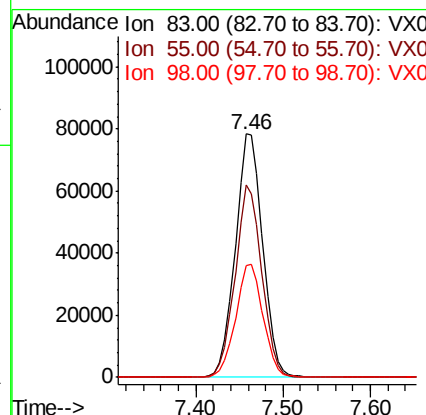
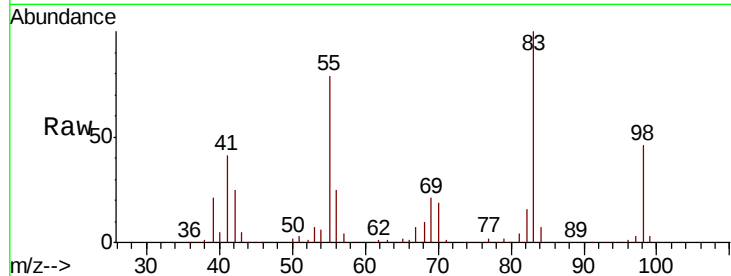
#39
Methylcyclohexane
Concen: 47.907 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW05D-M20W2-030619MS

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	170722		
55	78.8	60.4	90.6	
98	45.7	36.5	54.7	

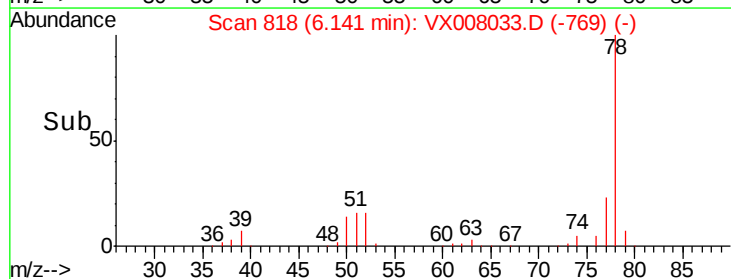
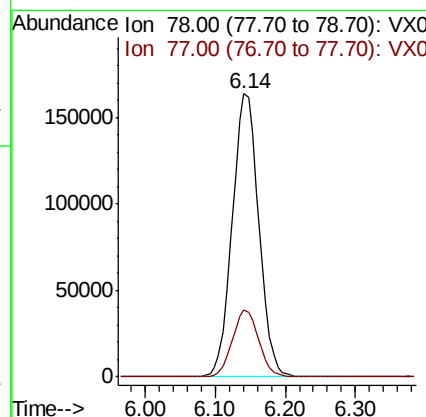
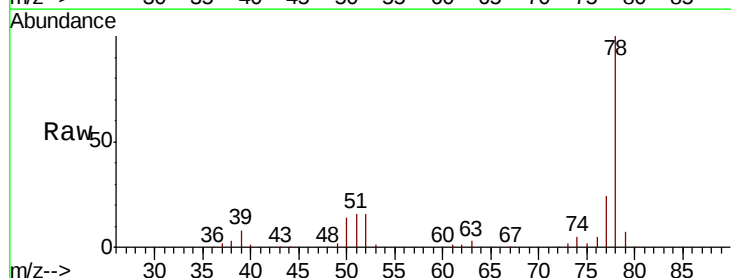
Manual Integrations
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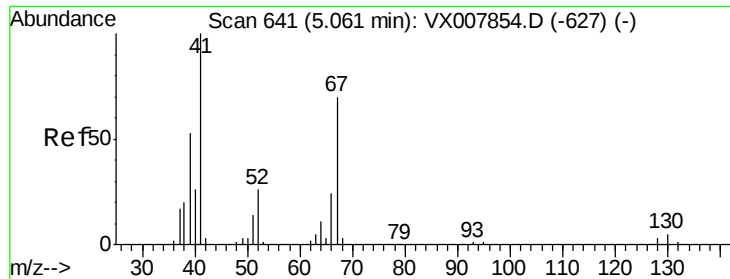
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#40
Benzene
Concen: 49.318 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	431800		
77	23.5	19.0	28.4	





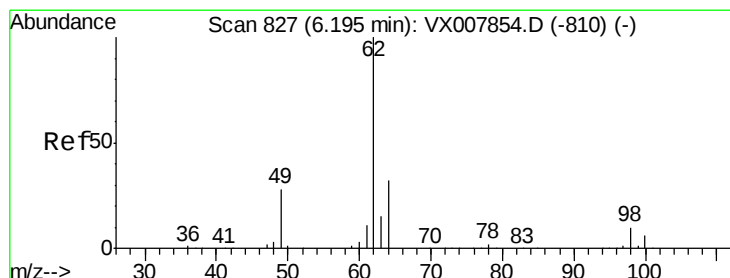
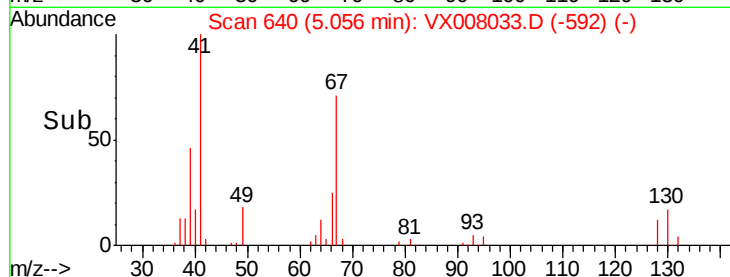
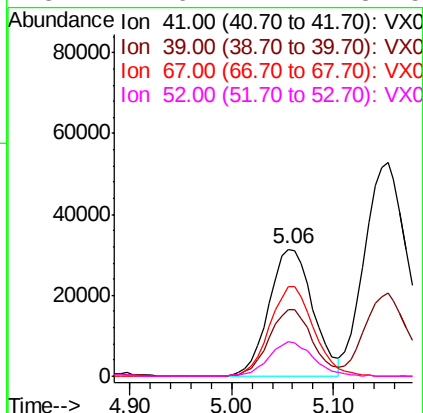
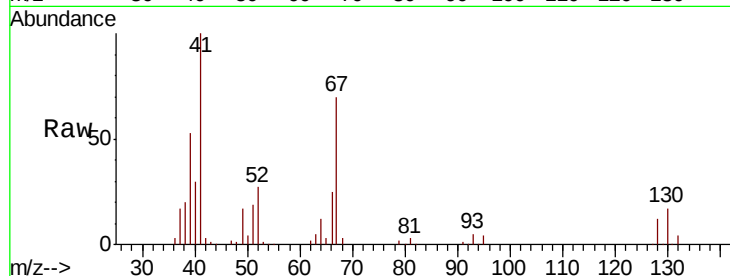
#41
Methacrylonitrile
Concen: 49.648 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW05D-M20W2-030619MS

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.9	41.6	62.4	
67	70.3	55.8	83.6	
52	27.6	21.7	32.5	

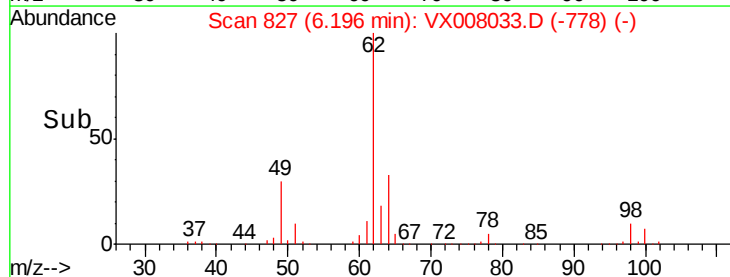
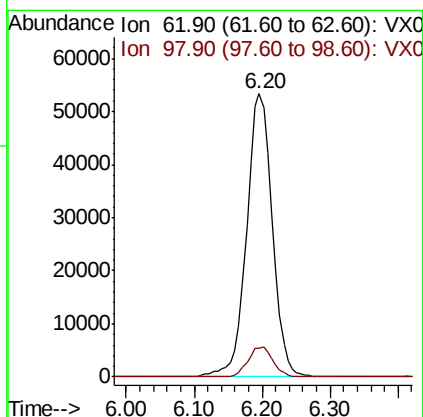
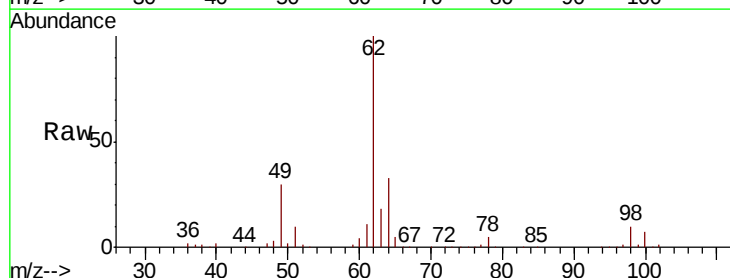
Manual Integrations
APPROVED

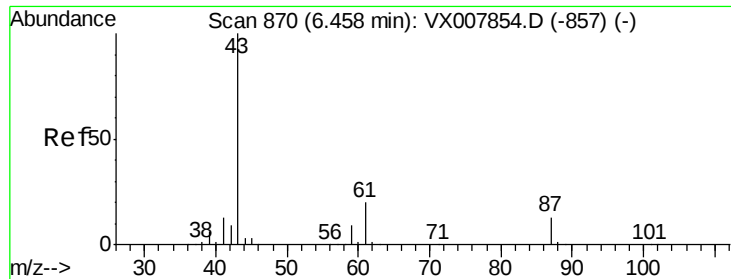
MMDadoda
3/13/2019 10:14:09 AM



#42
1,2-Dichloroethane
Concen: 49.083 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

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





#43

Isopropyl Acetate

Concen: 46.145 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Instrument :

MSVOA_X

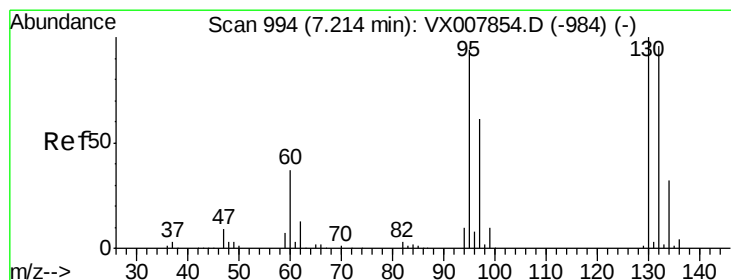
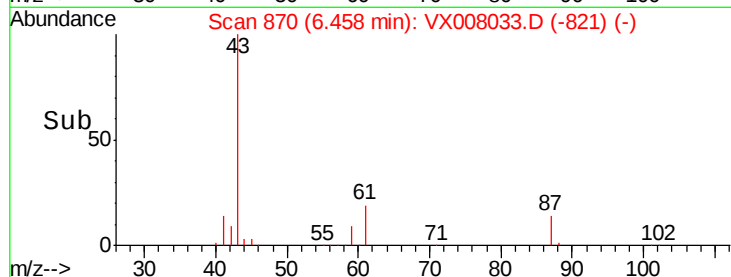
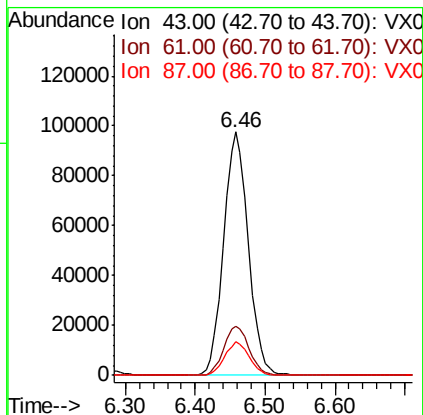
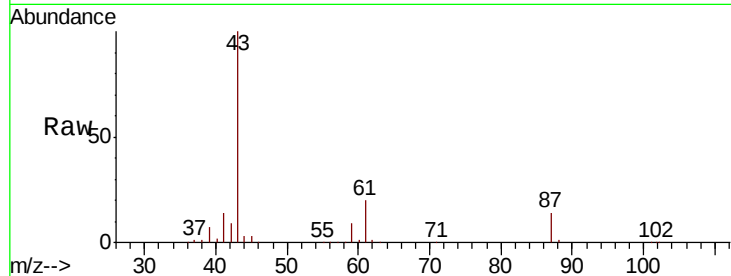
ClientSampleId :

CPA-CPMW05D-M20W2-030619MS

Tgt Ion:	43	Resp:	238344
Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.3	24.5
87	13.6	10.5	15.7

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#44

Trichloroethene

Concen: 49.325 ug/l

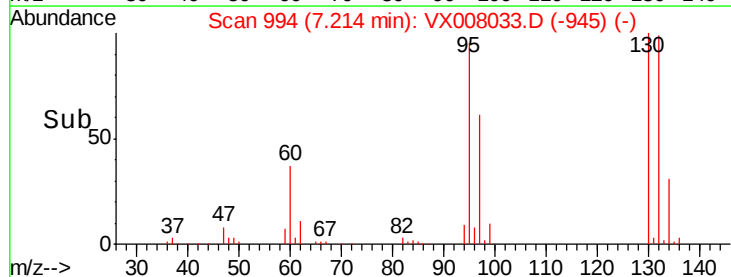
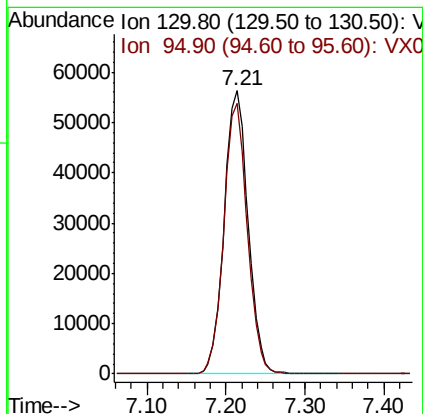
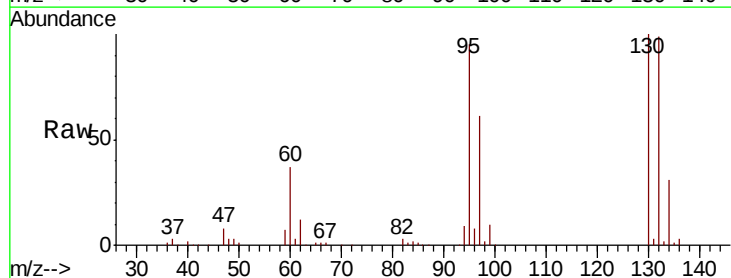
RT: 7.21 min Scan# 994

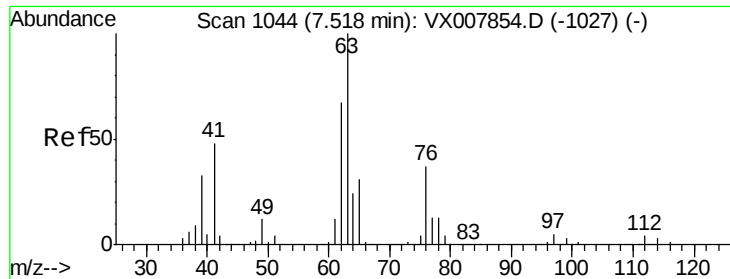
Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Tgt Ion:	130	Resp:	119012
Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	188.0





#45

1,2-Dichloropropane

Concen: 49.923 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW05D-M20W2-030619MS

Tgt Ion: 63 Resp: 115444

Ion Ratio Lower Upper

63 100

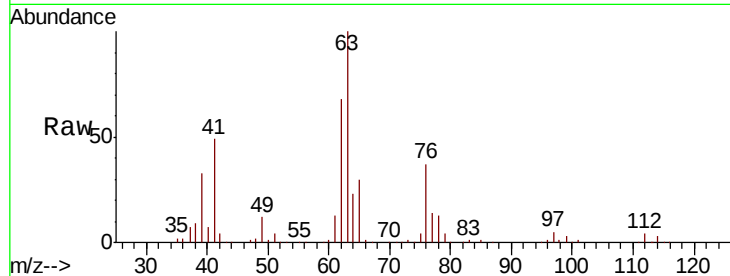
65 30.1 24.7 37.1

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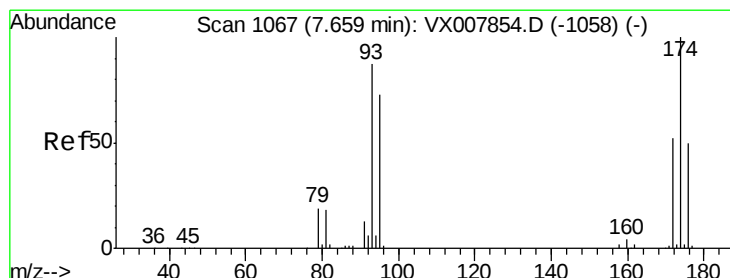
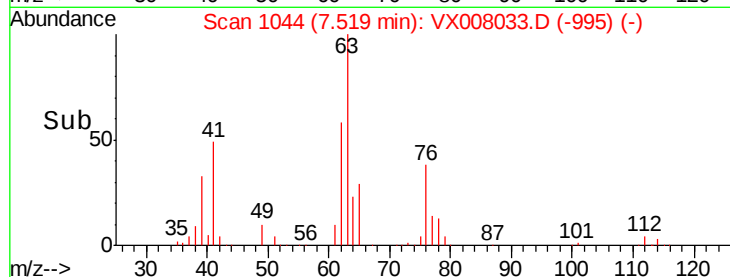
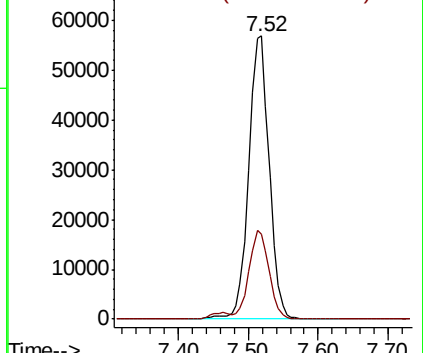
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 49.453 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

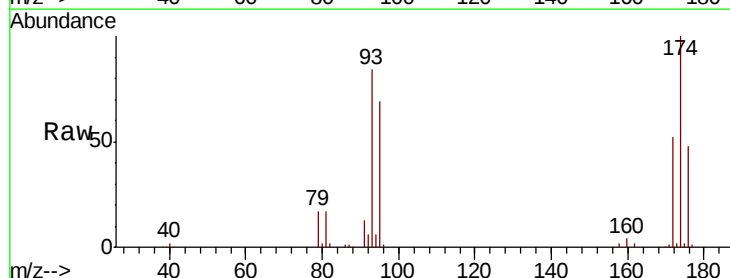
Tgt Ion: 93 Resp: 72372

Ion Ratio Lower Upper

93 100

95 84.5 66.8 100.2

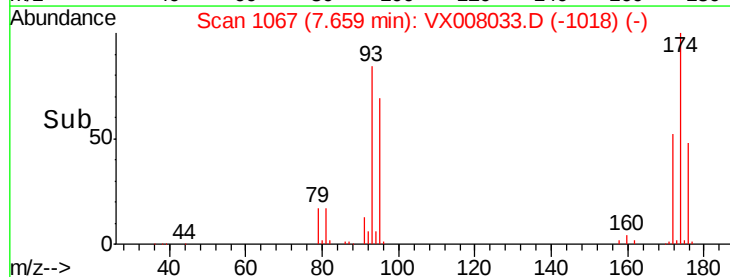
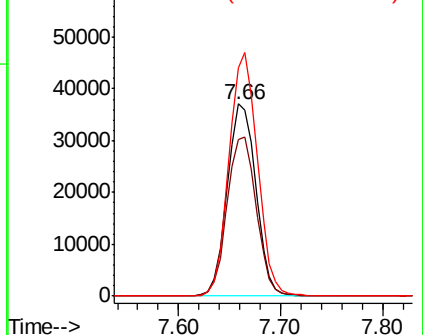
174 125.1 97.3 145.9

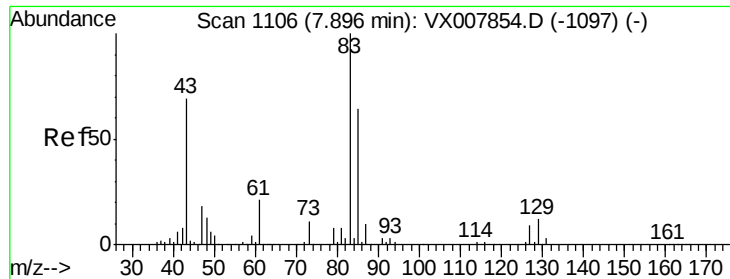


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





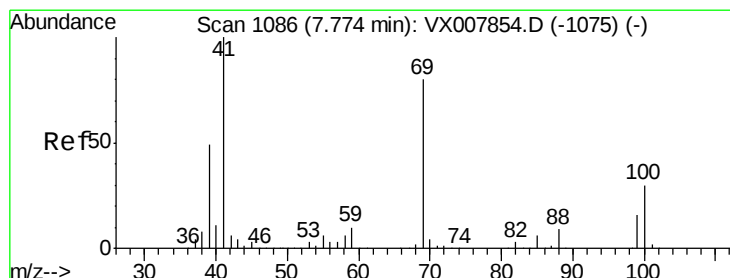
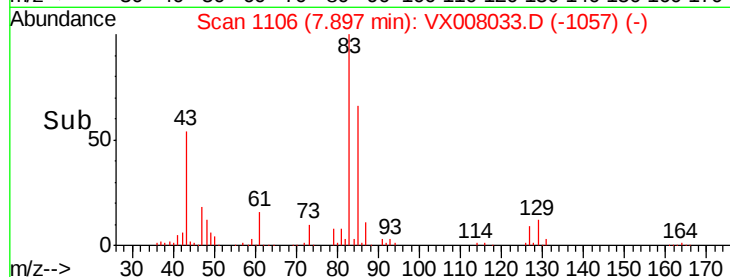
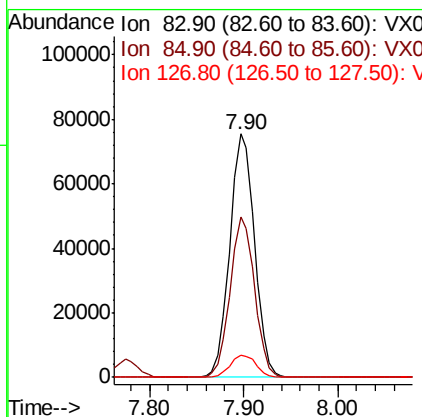
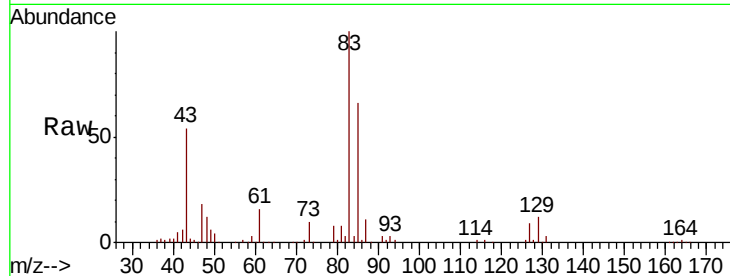
#47
Bromodichloromethane
Concen: 49.510 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW05D-M20W2-030619MS

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.9	76.3
127	9.3	7.4	11.0

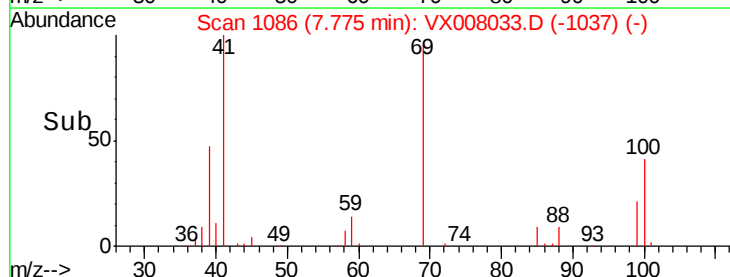
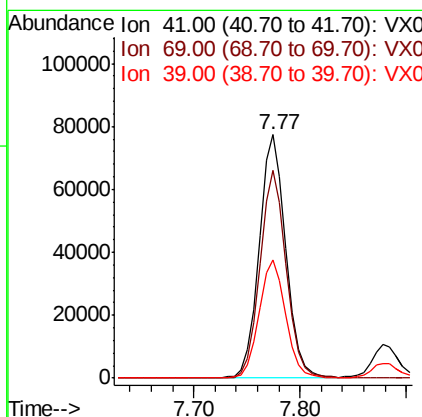
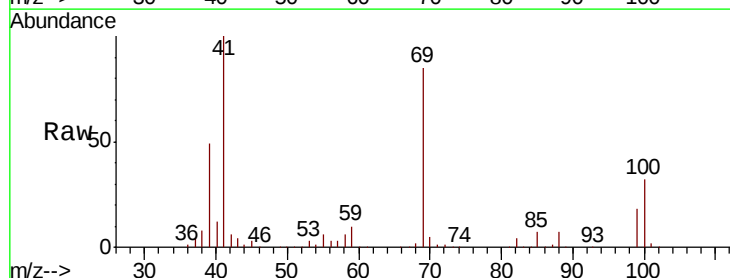
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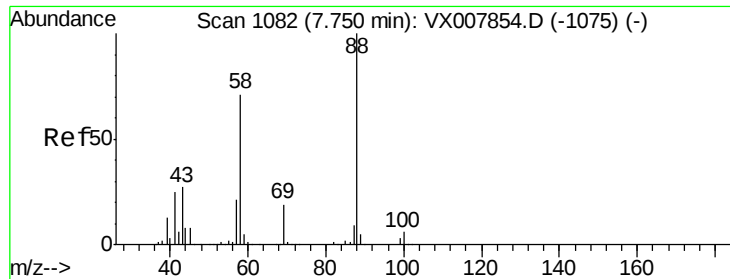
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#48
Methyl methacrylate
Concen: 49.664 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.7	65.2	97.8
39	48.8	39.4	59.2





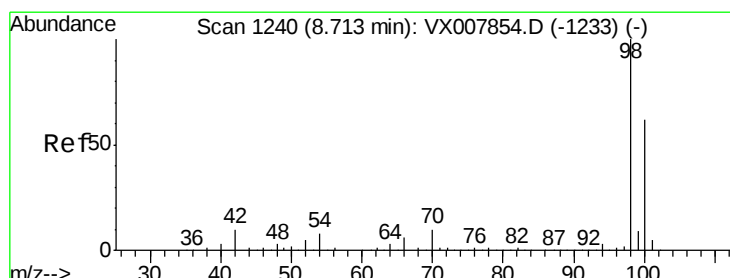
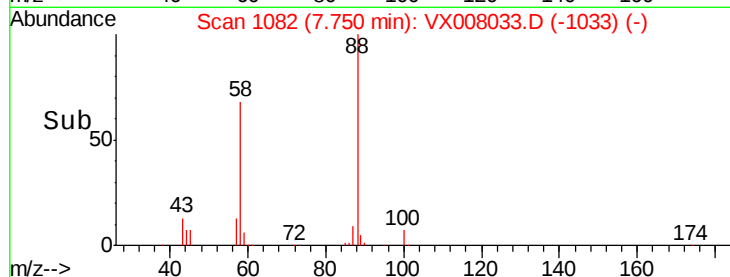
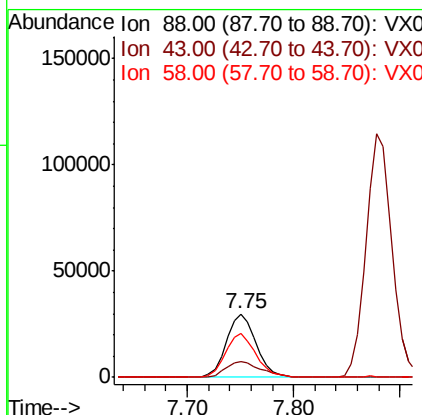
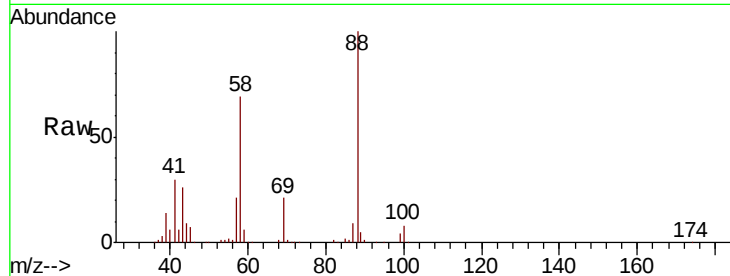
#49
1,4-Dioxane
Concen: 1040.830 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW05D-M20W2-030619MS

Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.4	25.1	37.7
58	71.0	57.8	86.6

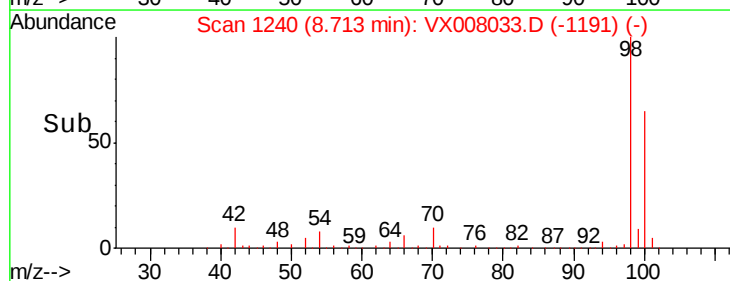
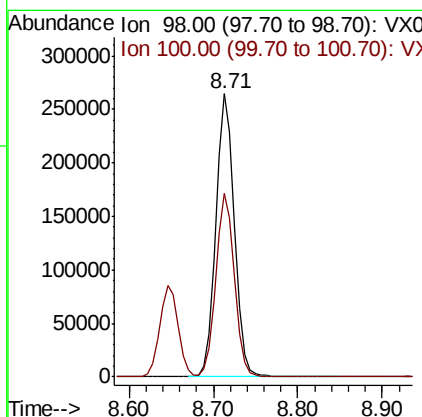
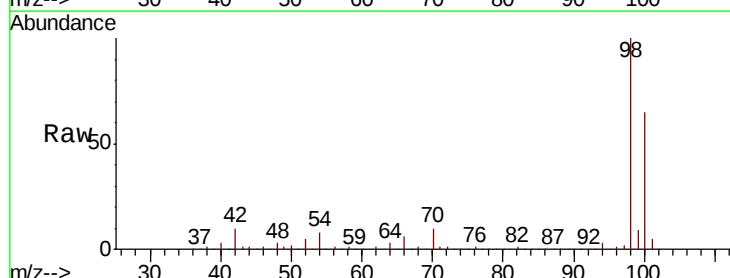
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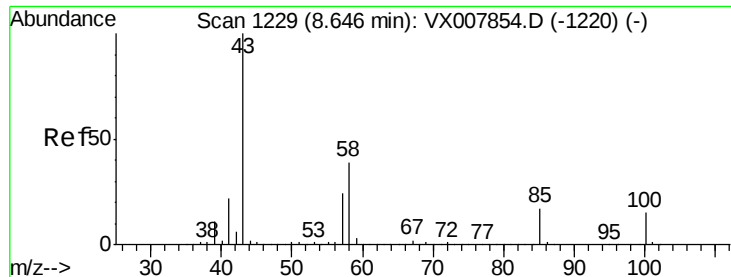
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#50
Toluene-d8
Concen: 52.884 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.7	77.5





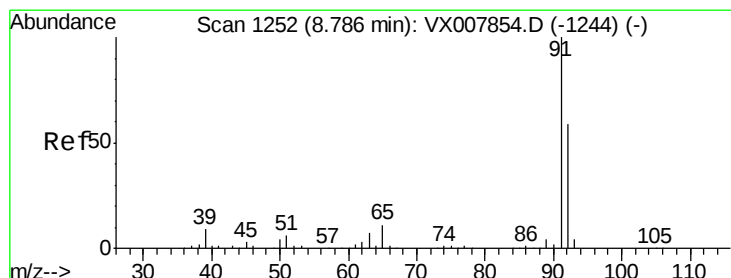
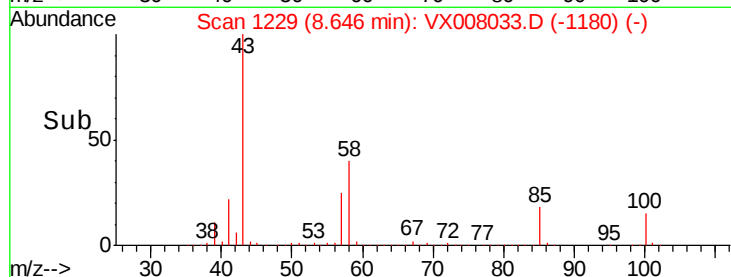
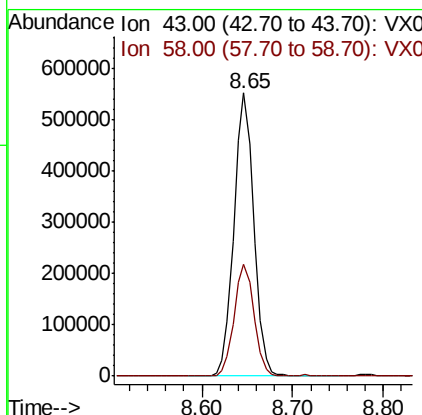
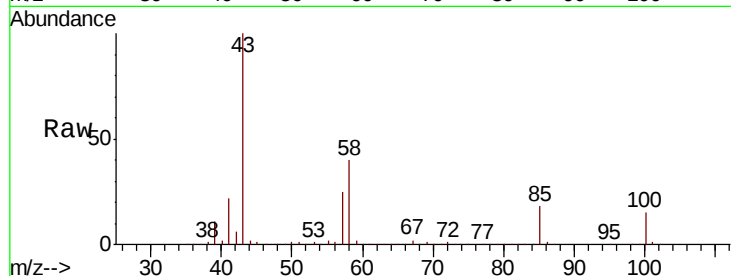
#51
4-Methyl-2-Pentanone
Concen: 252.595 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW05D-M20W2-030619MS

Tgt Ion: 43 Resp: 839042
Ion Ratio Lower Upper
43 100
58 39.5 31.3 46.9

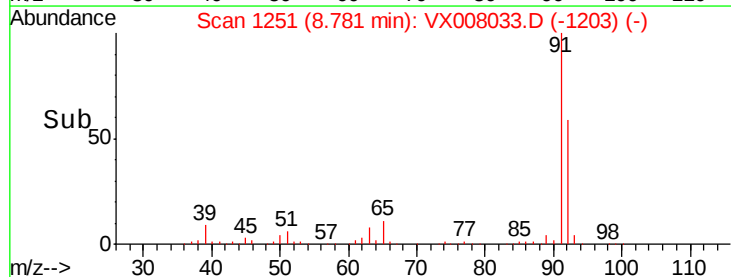
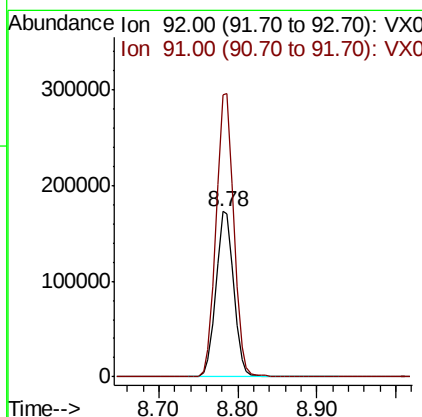
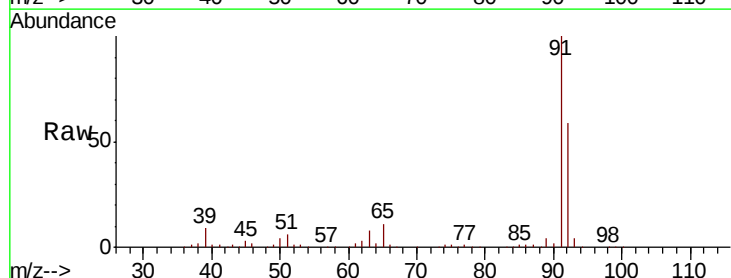
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#52
Toluene
Concen: 50.936 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

Tgt Ion: 92 Resp: 272273
Ion Ratio Lower Upper
92 100
91 171.6 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 51.571 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW05D-M20W2-030619MS

Tgt Ion: 75 Resp: 149350

Ion Ratio Lower Upper

75 100

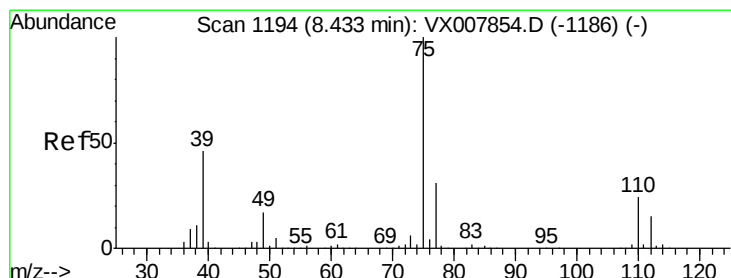
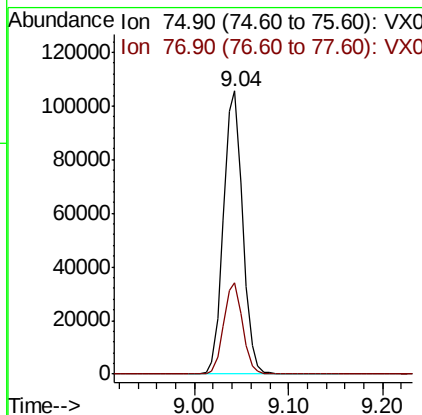
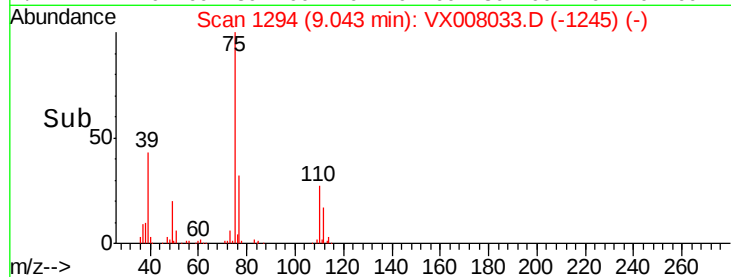
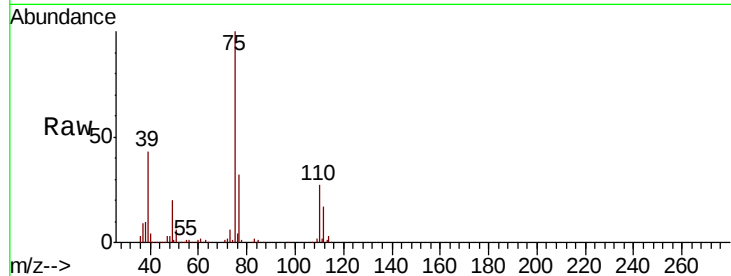
77 32.5 25.4 38.0

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#54

cis-1,3-Dichloropropene

Concen: 50.236 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

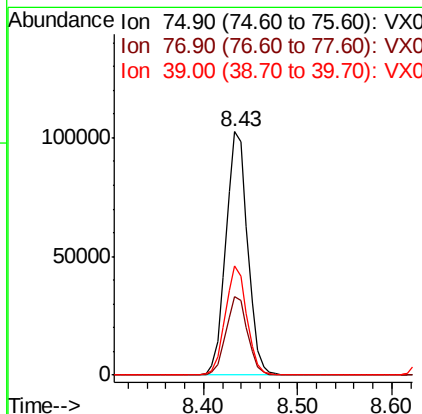
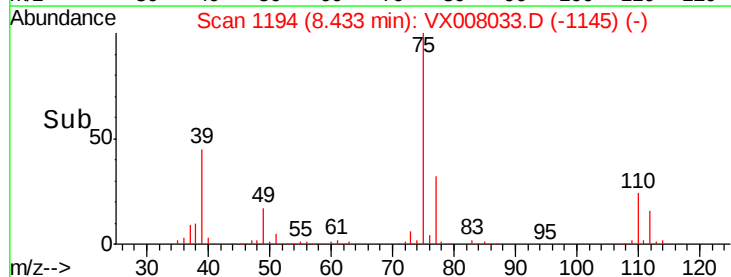
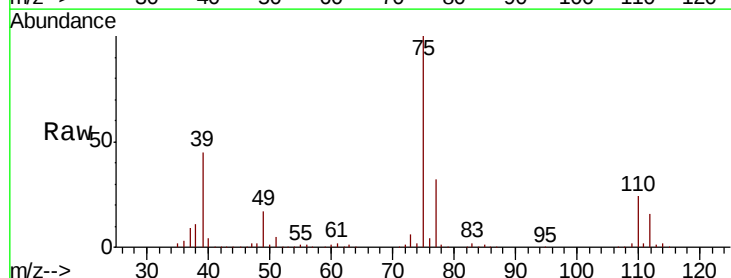
Tgt Ion: 75 Resp: 164285

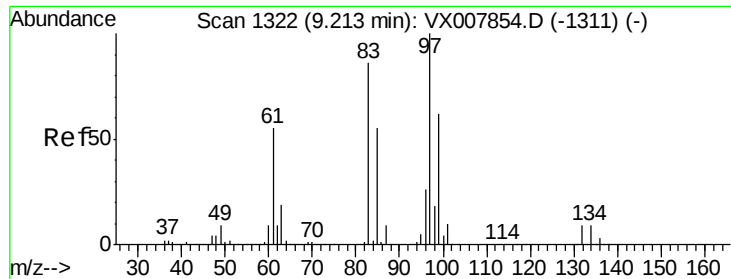
Ion Ratio Lower Upper

75 100

77 32.4 25.0 37.6

39 44.9 36.6 54.8





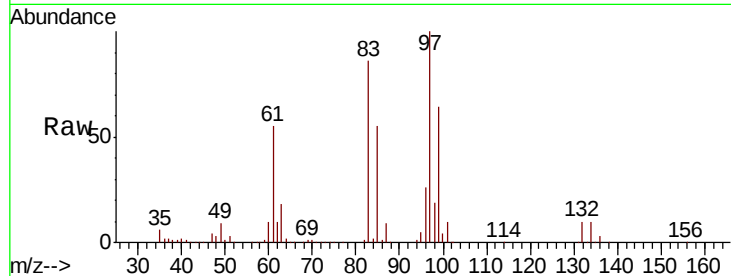
#55
 1,1,2-Trichloroethane
 Concen: 51.702 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008033.D
 Acq: 12 Mar 2019 22:46

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW05D-M20W2-030619MS

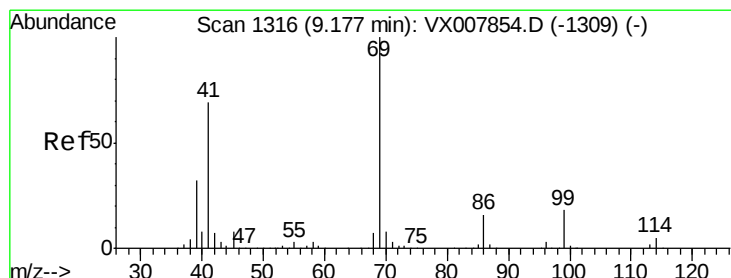
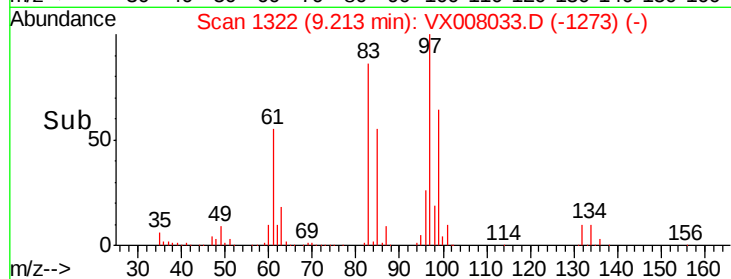
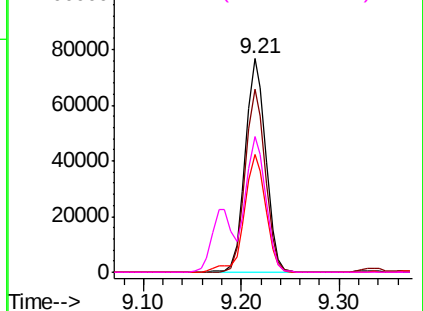
Tgt Ion	Ratio	Resp	Lower	Upper
97	100	111876		
83	85.9	69.1	103.7	
85	55.1	44.3	66.5	
99	63.8	49.8	74.8	

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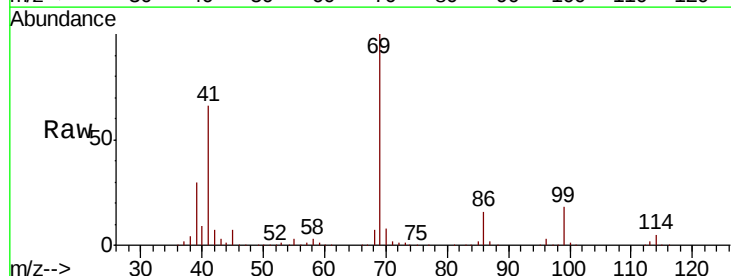


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

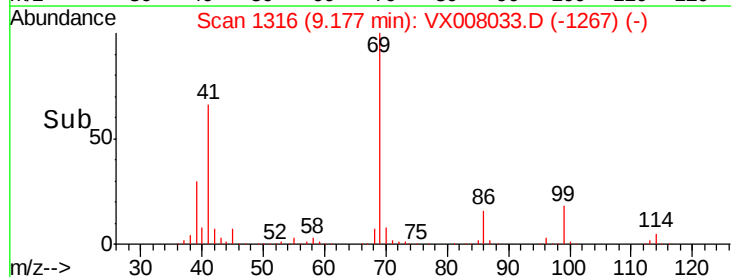
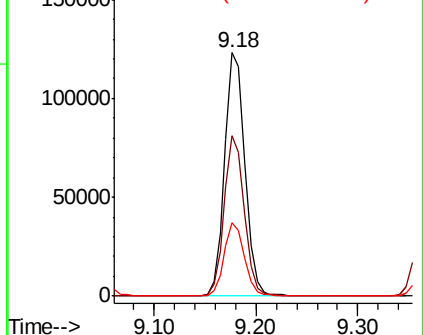


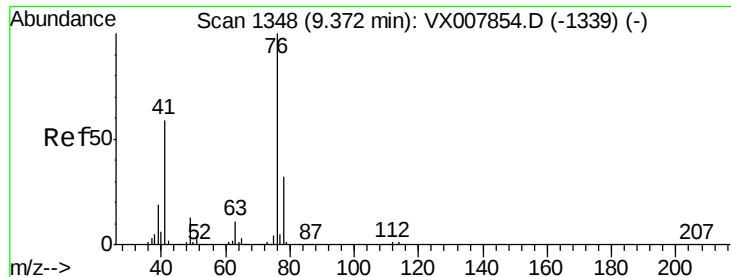
#56
 Ethyl methacrylate
 Concen: 52.433 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008033.D
 Acq: 12 Mar 2019 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	170350		
41	65.2	54.2	81.4	
39	30.1	25.0	37.4	



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





#57

1,3-Dichloropropane

Concen: 50.961 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW05D-M20W2-030619MS

Tgt Ion: 76 Resp: 185156

Ion Ratio Lower Upper

76 100

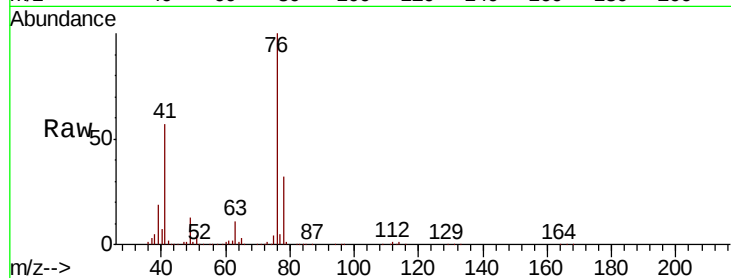
78 31.9 25.5 38.3

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

150000

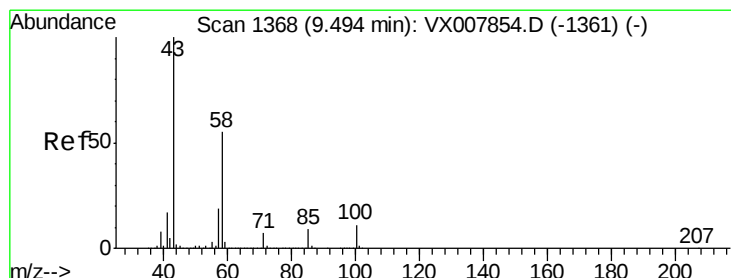
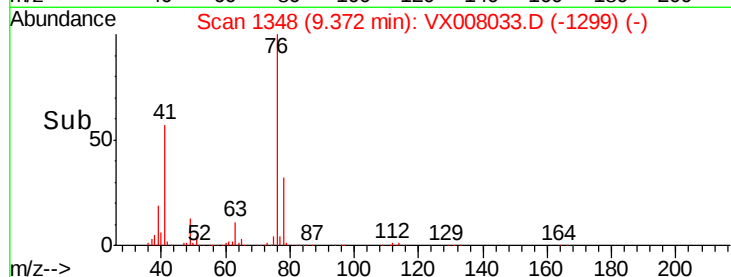
100000

50000

0

9.30 9.35 9.40 9.45

Time-->



#59

2-Hexanone

Concen: 242.664 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VX008033.D

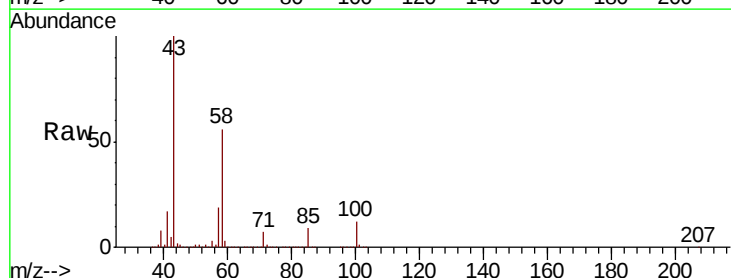
Acq: 12 Mar 2019 22:46

Tgt Ion: 43 Resp: 625805

Ion Ratio Lower Upper

43 100

58 55.8 27.6 82.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

500000

400000

300000

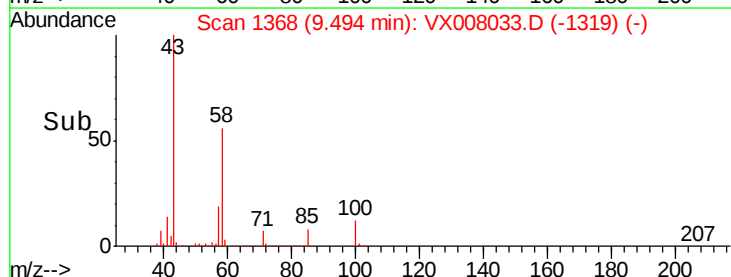
200000

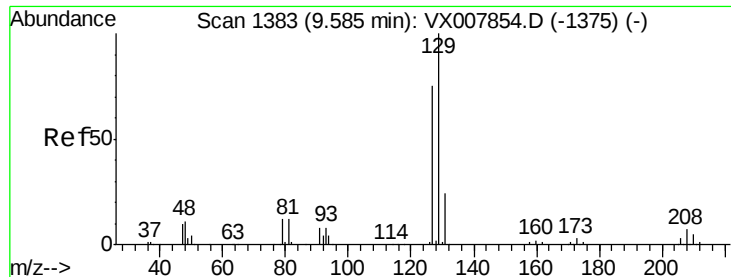
100000

0

9.40 9.50 9.60

Time-->





#60

Dibromochloromethane

Concen: 51.484 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.01 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW05D-M20W2-030619MS

Tgt Ion:129 Resp: 116444

Ion Ratio Lower Upper

129 100

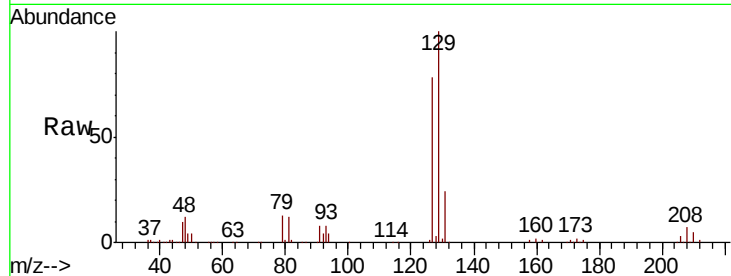
127 76.9 38.3 114.8

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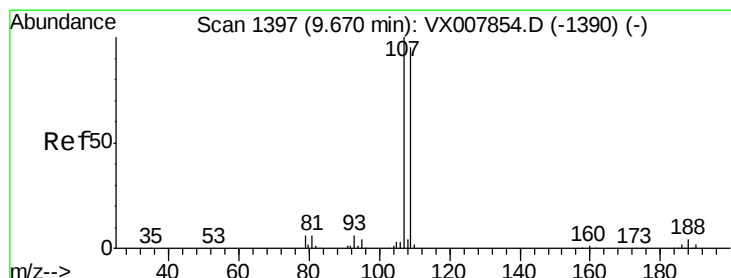
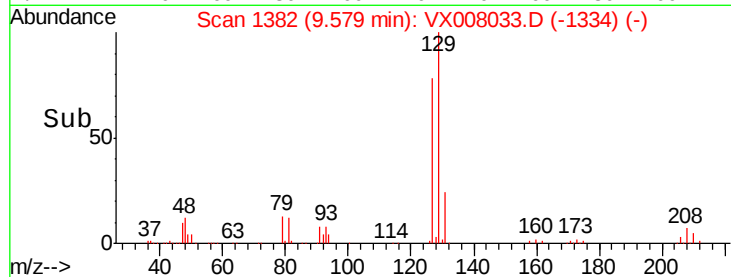
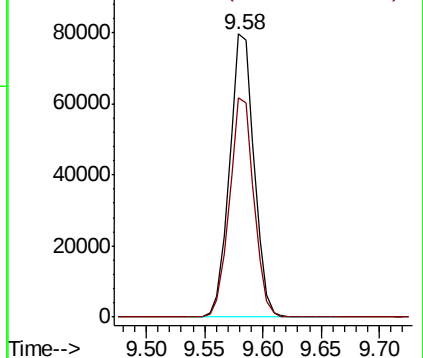
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 51.192 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008033.D

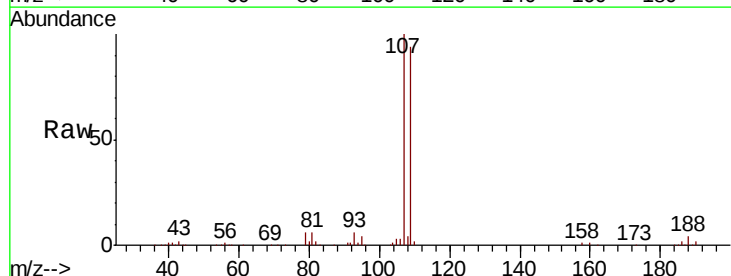
Acq: 12 Mar 2019 22:46

Tgt Ion:107 Resp: 117608

Ion Ratio Lower Upper

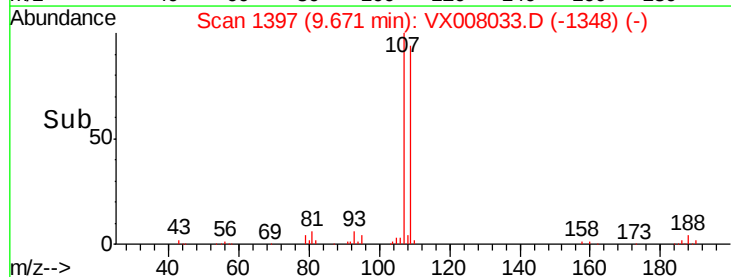
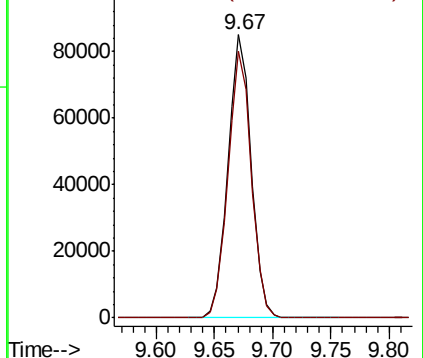
107 100

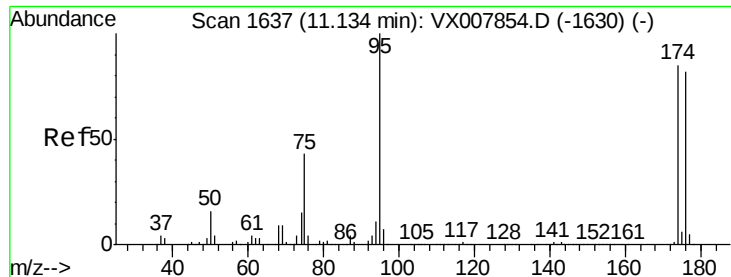
109 94.7 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 53.010 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Instrument :

MSVOA_X

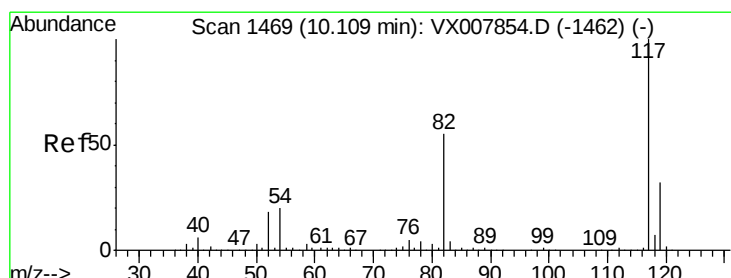
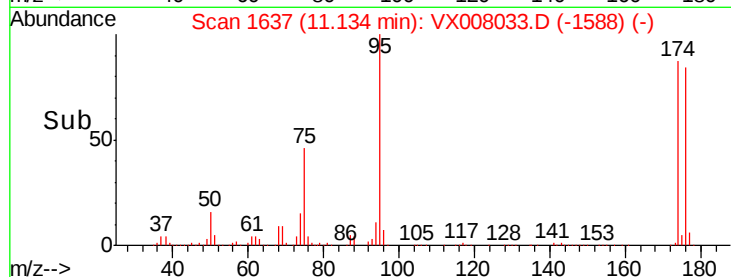
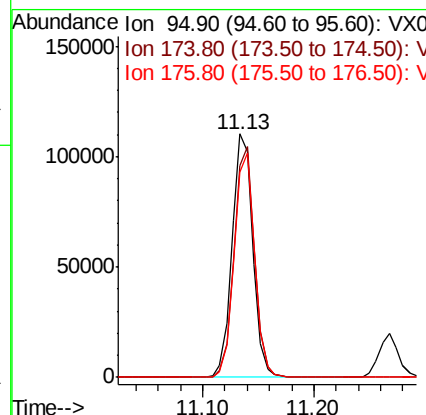
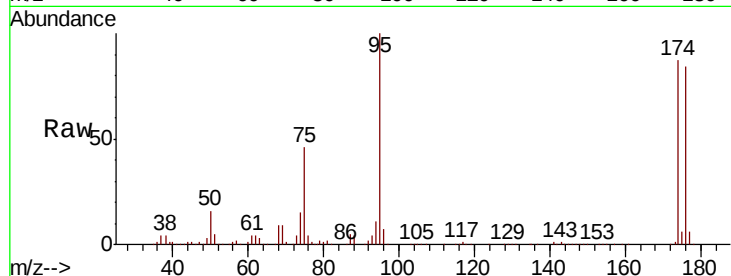
ClientSampleId :

CPA-CPMW05D-M20W2-030619MS

Tgt Ion:	95	Resp:	141809
Ion Ratio	Lower	Upper	
95	100		
174	93.2	0.0	182.8
176	90.9	0.0	178.0

Manual Integrations
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3/13/2019 10:14:09 AM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

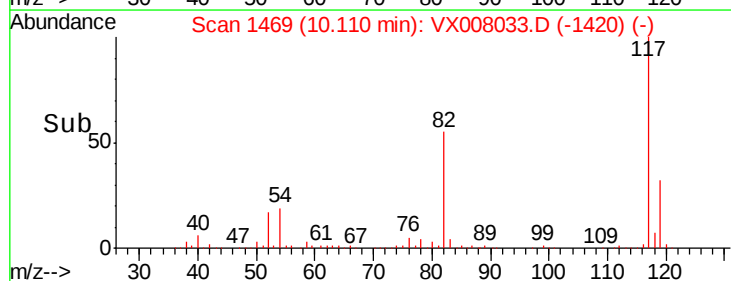
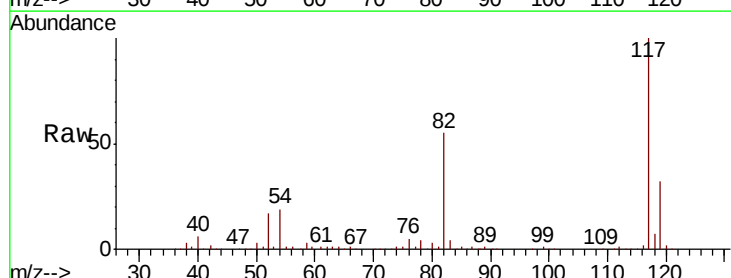
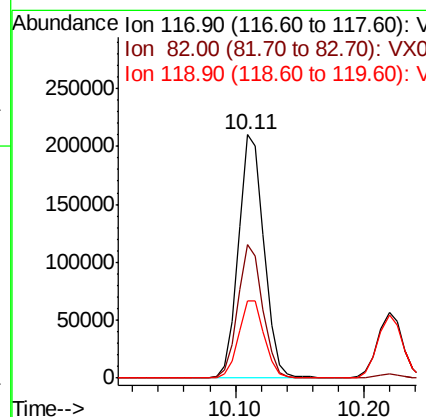
RT: 10.11 min Scan# 1469

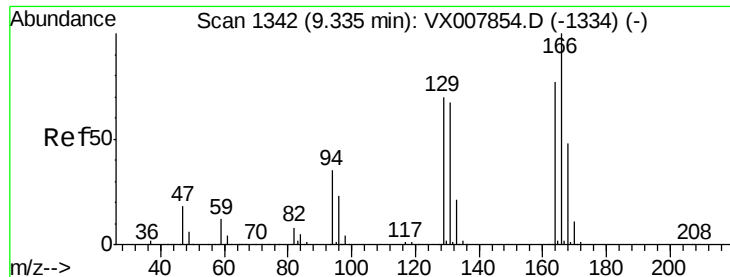
Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Tgt Ion:	117	Resp:	290348
Ion Ratio	Lower	Upper	
117	100		
82	55.1	44.3	66.5
119	31.9	25.3	37.9





#64

Tetrachloroethene

Concen: 48.666 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Instrument :

MSVOA_X

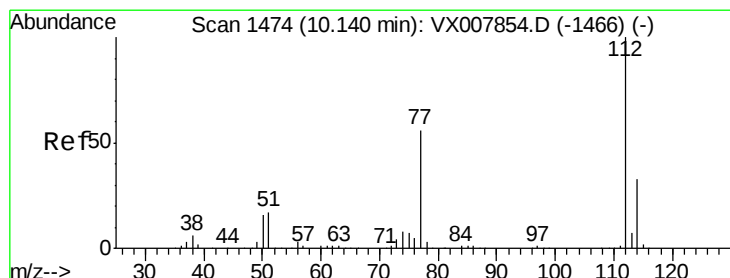
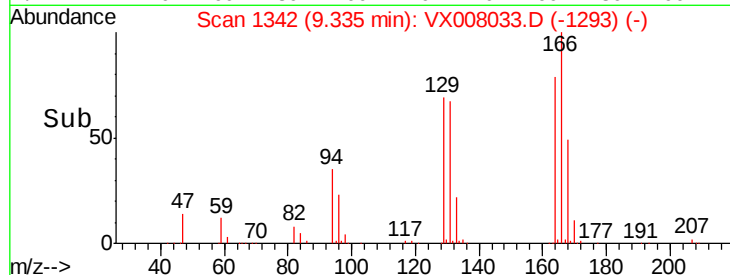
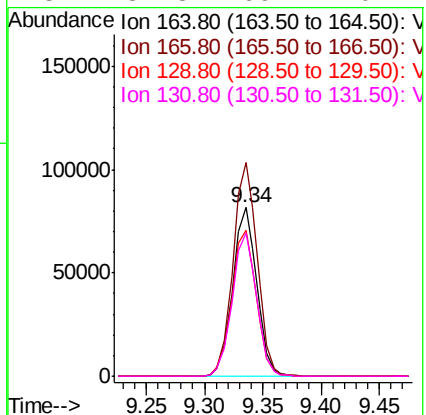
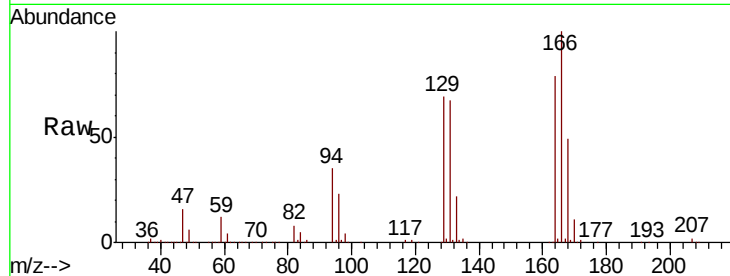
ClientSampleId :

CPA-CPMW05D-M20W2-030619MS

Tgt Ion:	164	Resp:	117095
Ion Ratio	Lower	Upper	
164	100		
166	126.7	103.4	155.0
129	86.9	72.2	108.4
131	84.8	69.4	104.2

Manual Integrations
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3/13/2019 10:14:09 AM



#65

Chlorobenzene

Concen: 49.290 ug/l

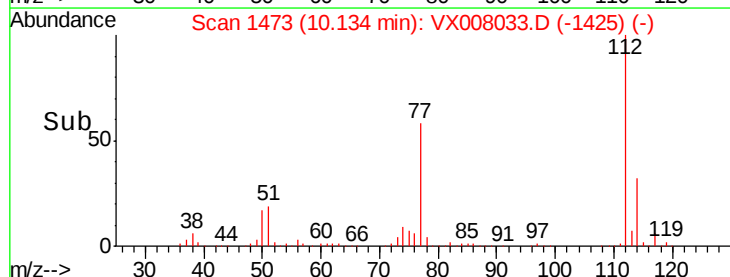
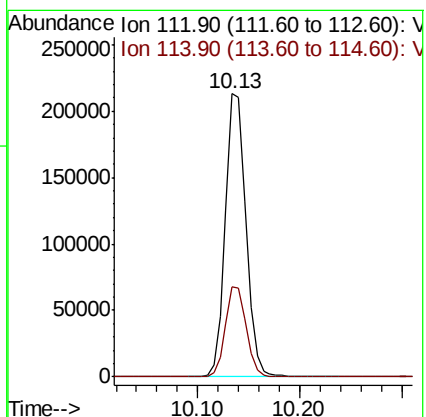
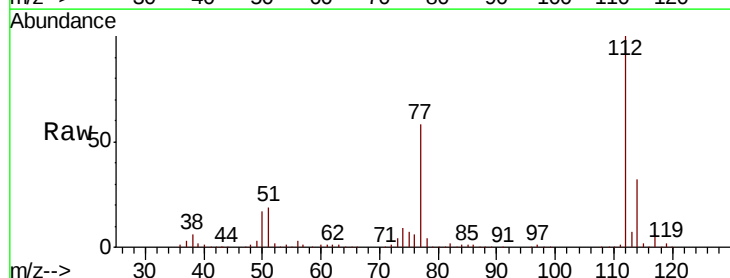
RT: 10.13 min Scan# 1473

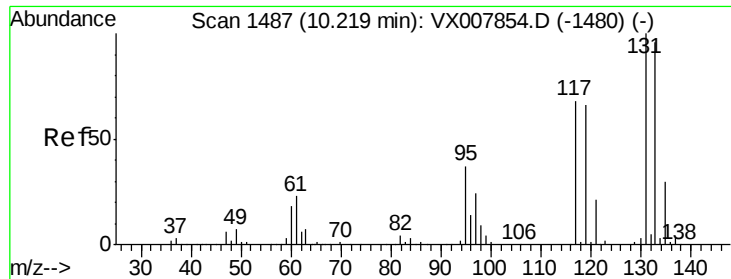
Delta R.T. -0.01 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Tgt Ion:	112	Resp:	299476
Ion Ratio	Lower	Upper	
112	100		
114	31.7	26.0	39.0





#66

1,1,1,2-Tetrachloroethane

Concen: 50.892 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW05D-M20W2-030619MS

Tgt Ion: 131 Resp: 110820
Ion Ratio Lower Upper

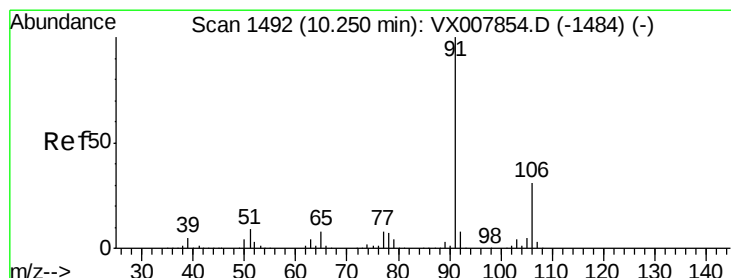
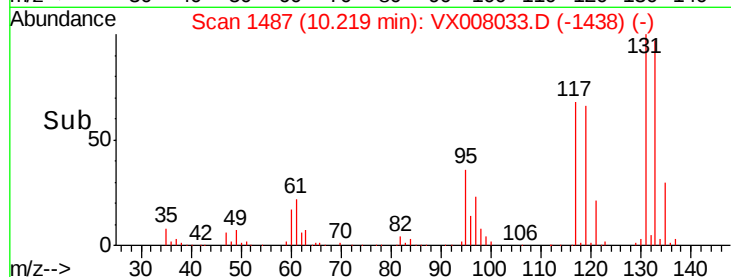
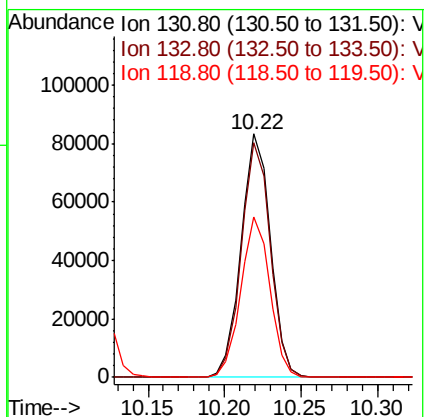
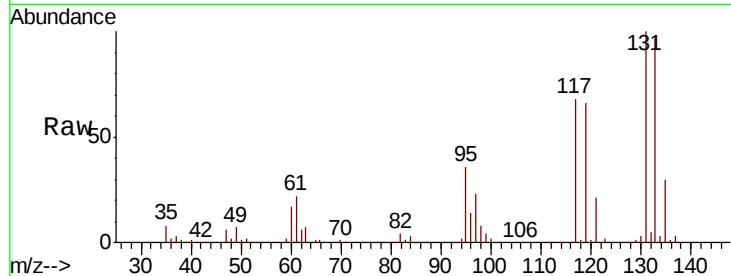
131 100

133 95.4 47.8 143.3

119 65.4 32.5 97.5

Manual Integrations
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#67

Ethyl Benzene

Concen: 50.202 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

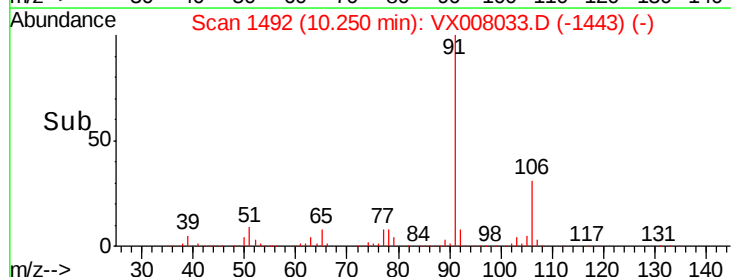
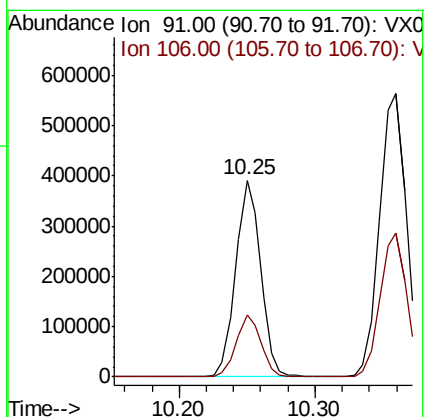
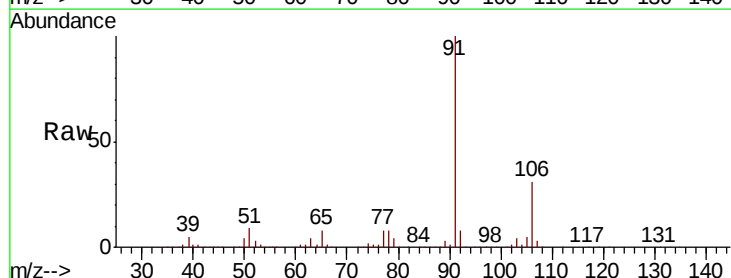
Lab File: VX008033.D

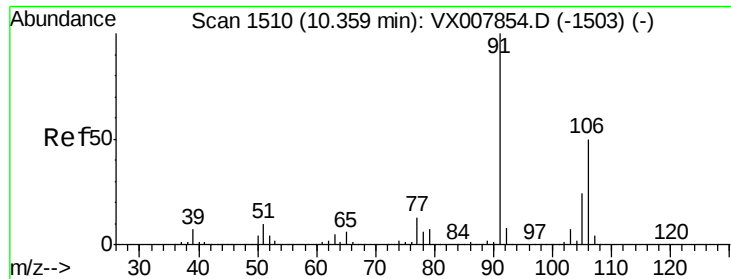
Acq: 12 Mar 2019 22:46

Tgt Ion: 91 Resp: 502082
Ion Ratio Lower Upper

91 100

106 31.3 25.2 37.8





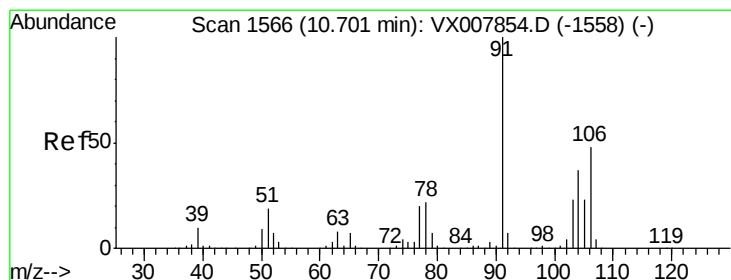
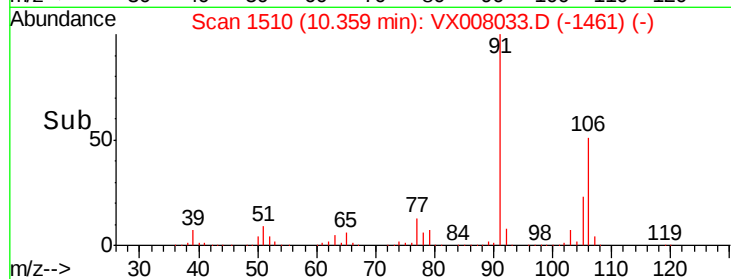
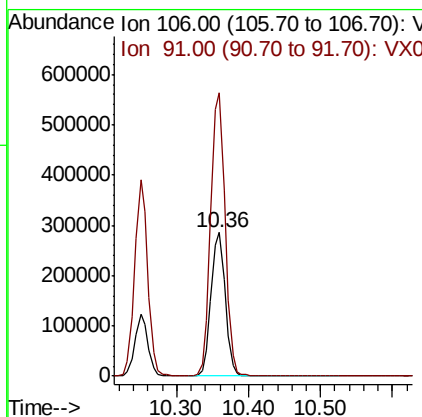
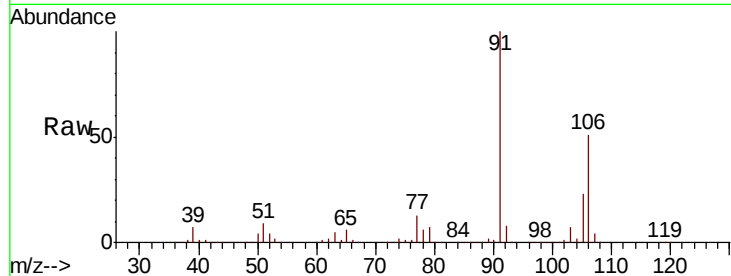
#68
m/p-Xylenes
Concen: 101.234 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW05D-M20W2-030619MS

Tgt Ion:106 Resp: 390260
Ion Ratio Lower Upper
106 100
91 199.6 159.8 239.6

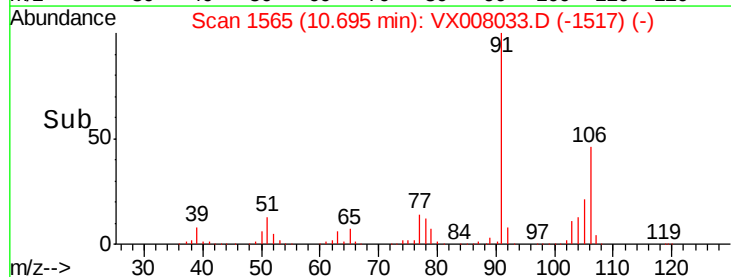
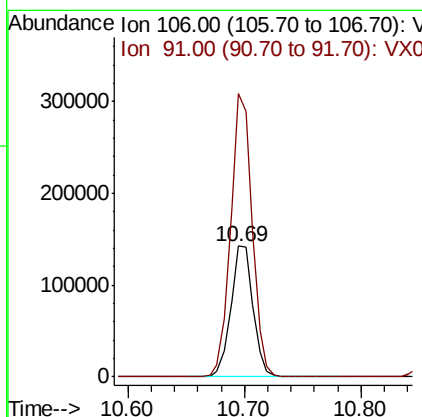
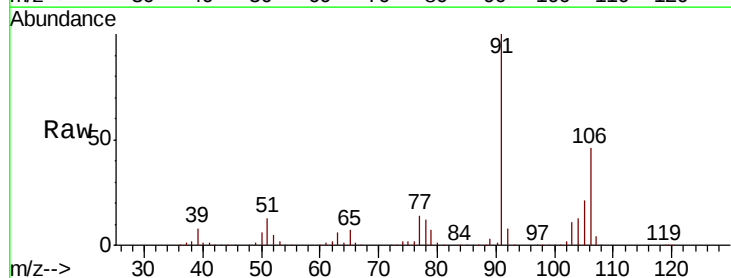
Manual Integrations
APPROVED

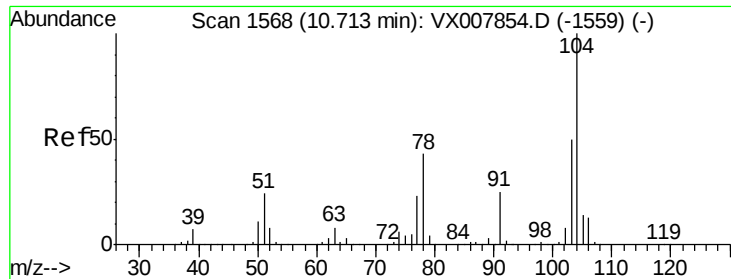
MMDadoda
3/13/2019 10:14:09 AM



#69
o-Xylene
Concen: 50.912 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

Tgt Ion:106 Resp: 189482
Ion Ratio Lower Upper
106 100
91 210.8 106.3 318.9





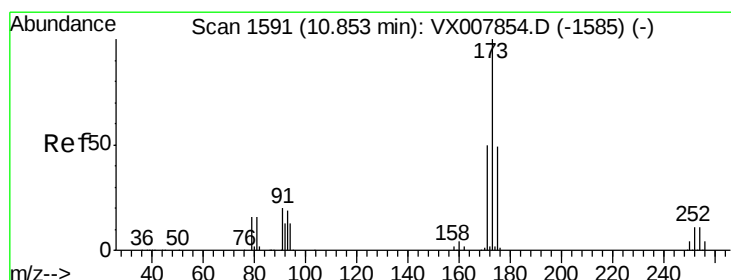
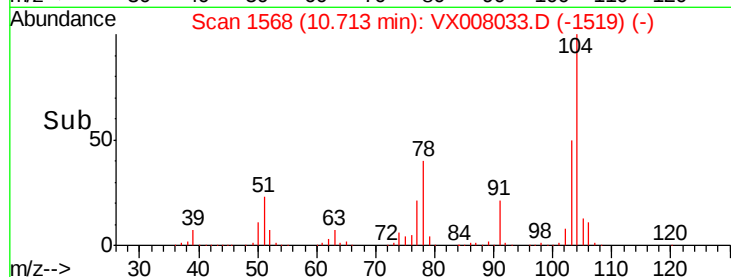
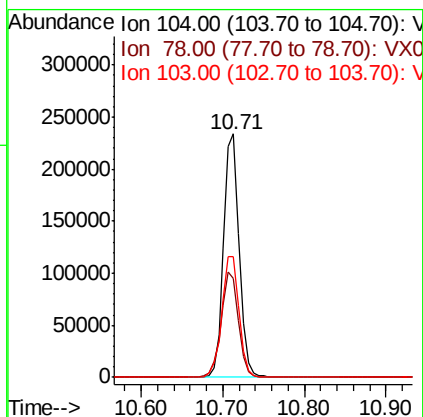
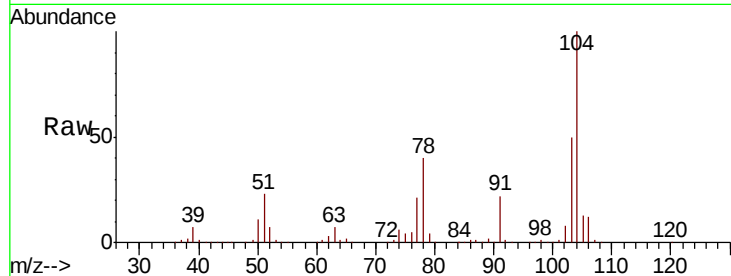
#70
Styrene
Concen: 50.818 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW05D-M20W2-030619MS

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.9	38.5	57.7
103	55.4	44.1	66.1

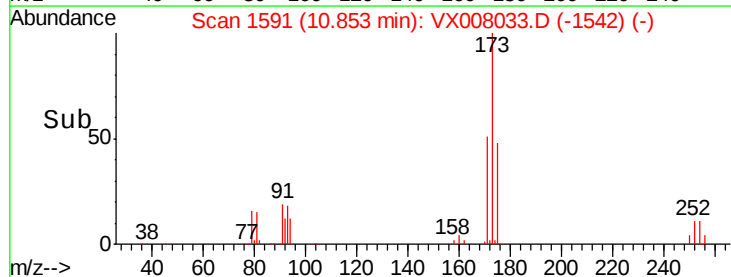
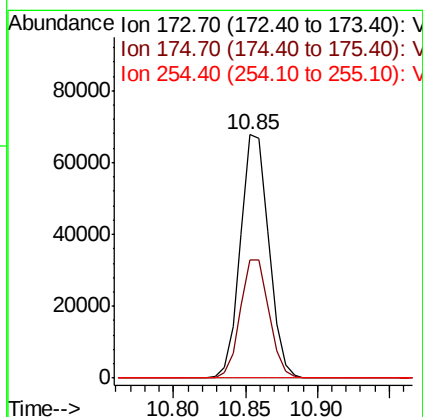
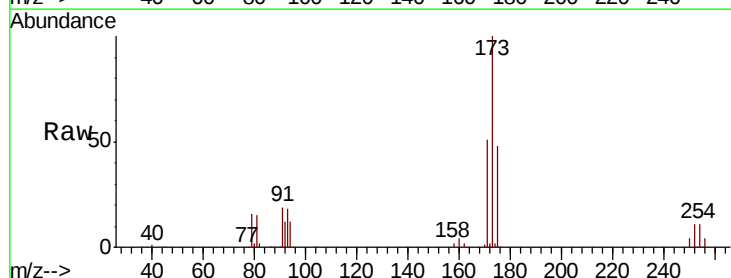
Manual Integrations
APPROVED

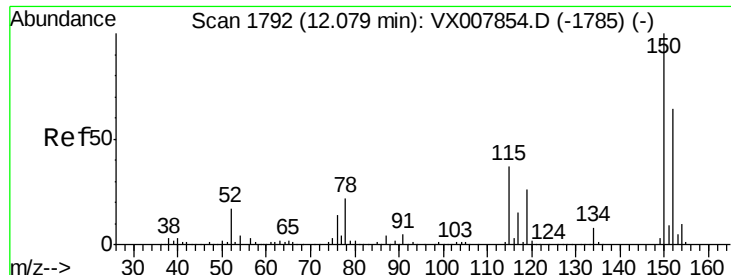
MMDadoda
3/13/2019 10:14:09 AM



#71
Bromoform
Concen: 49.528 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Instrument :

MSVOA_X

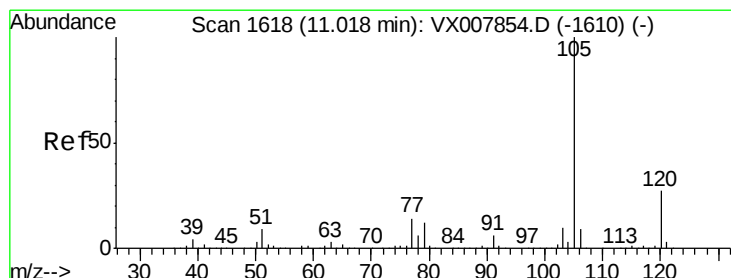
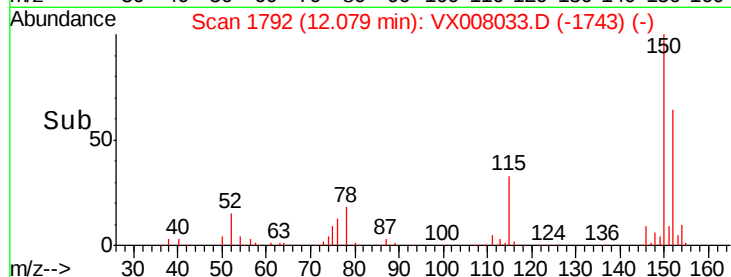
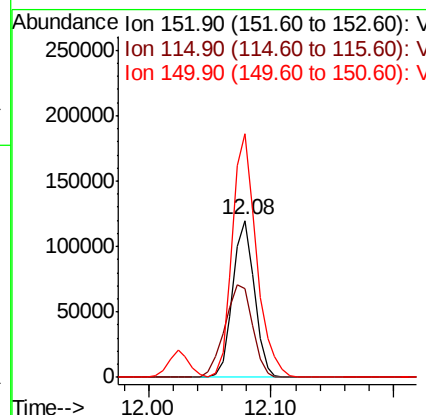
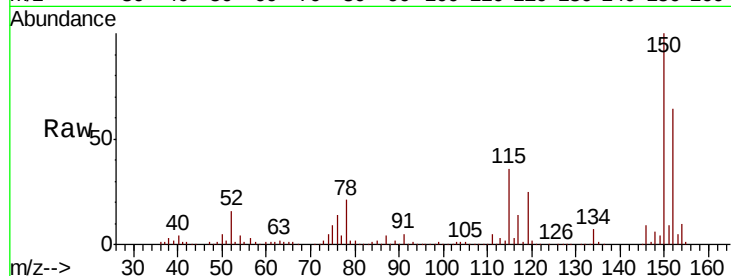
ClientSampleId :

CPA-CPMW05D-M20W2-030619MS

Tgt Ion:	152	Resp:	145723
Ion Ratio	Lower	Upper	
152	100		
115	76.3	38.6	115.7
150	173.0	0.0	348.4

Manual Integrations
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MMDadoda
3/13/2019 10:14:09 AM



#73

Isopropylbenzene

Concen: 51.171 ug/l

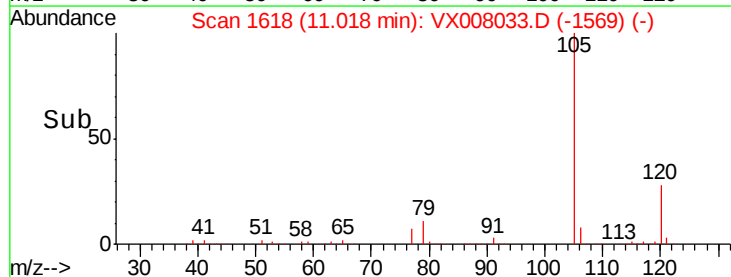
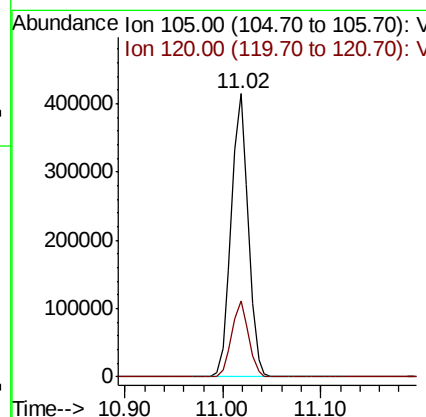
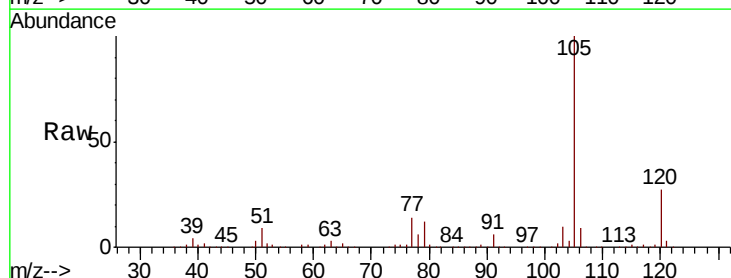
RT: 11.02 min Scan# 1618

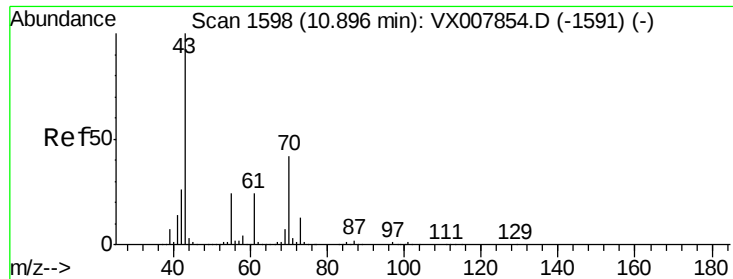
Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Tgt Ion:	105	Resp:	504309
Ion Ratio	Lower	Upper	
105	100		
120	26.7	13.4	40.1





#74

N-ethyl acetate

Concen: 42.007 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Instrument :

MSVOA_X

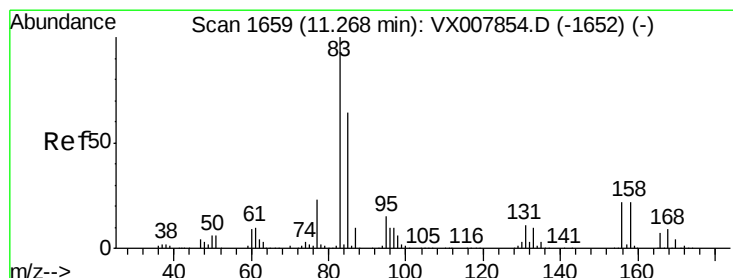
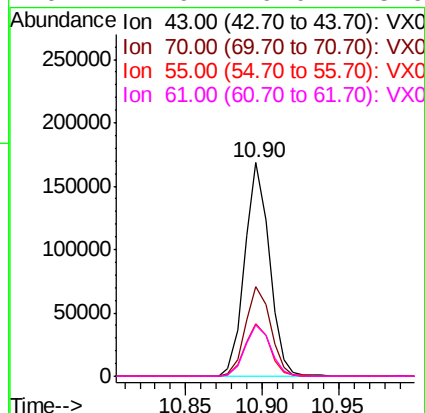
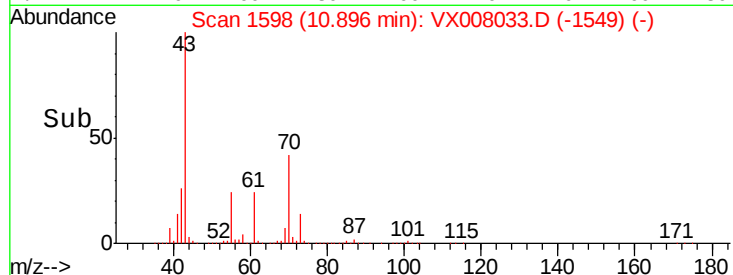
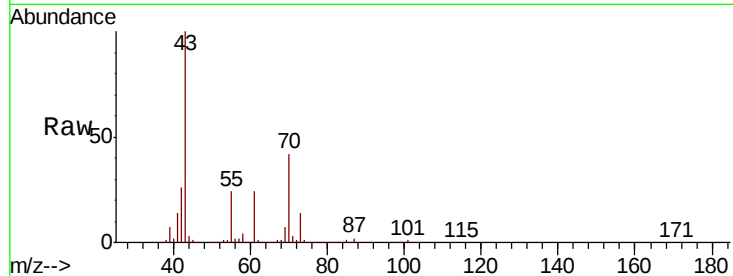
ClientSampleId :

CPA-CPMW05D-M20W2-030619MS

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		189003		
70	43.3	33.5	50.3		
55	25.2	19.2	28.8		
61	24.9	19.0	28.6		

Manual Integrations
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MMDadoda
3/13/2019 10:14:09 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 47.996 ug/l

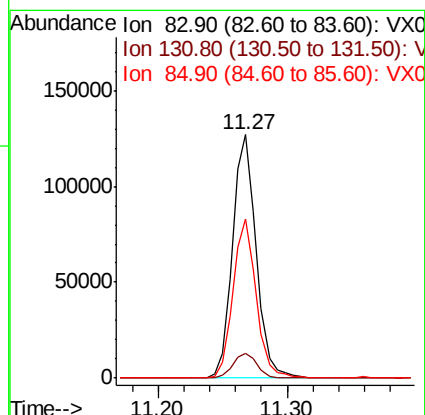
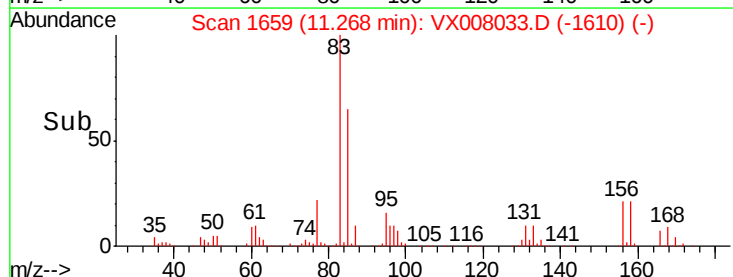
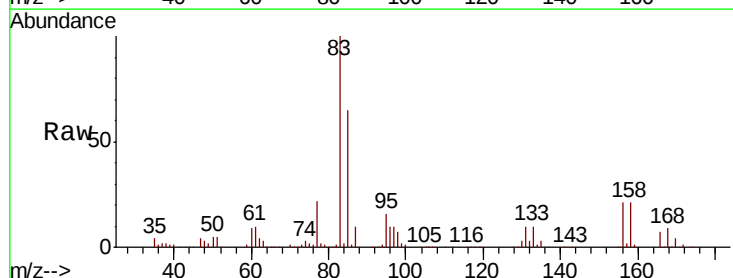
RT: 11.27 min Scan# 1659

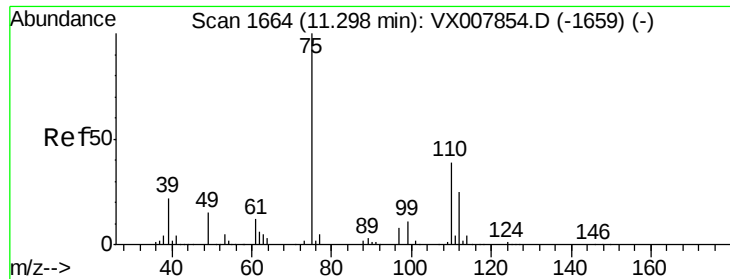
Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		163164		
131	10.5	5.4	16.2		
85	64.4	32.3	96.8		





#76

1,2,3-Trichloropropane

Concen: 51.544 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW05D-M20W2-030619MS

Tgt Ion: 75 Resp: 157614

Ion Ratio Lower Upper

75 100

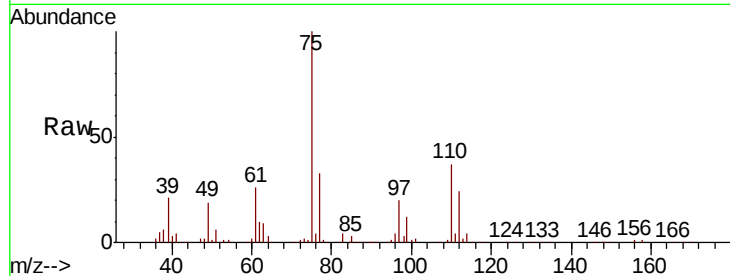
77 39.2 18.9 56.7

Manual Integrations

APPROVED

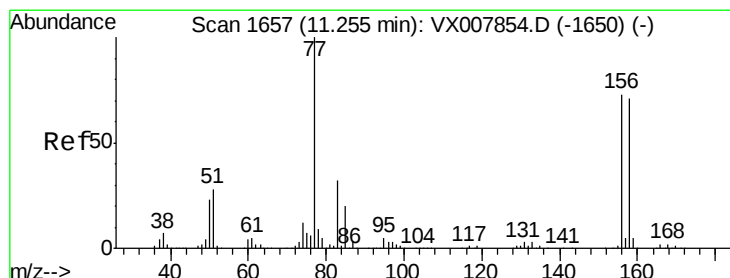
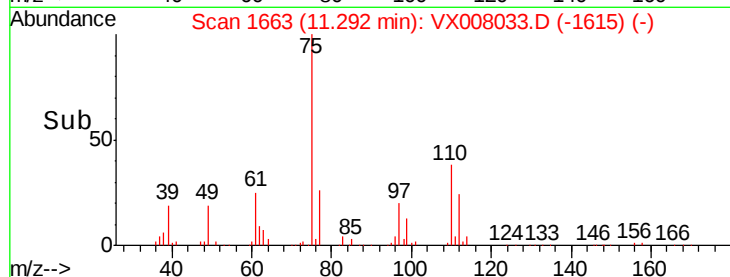
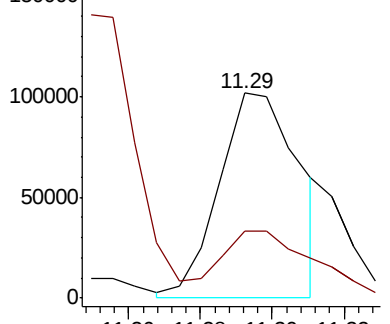
MMDadoda

3/13/2019 10:14:09 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 49.553 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

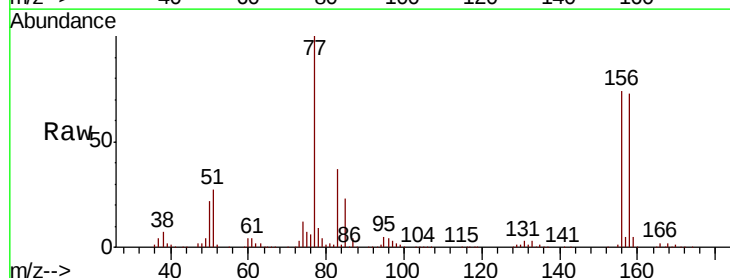
Tgt Ion: 156 Resp: 133893

Ion Ratio Lower Upper

156 100

77 140.5 72.0 215.9

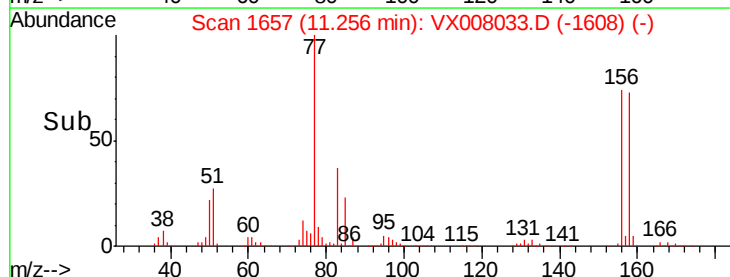
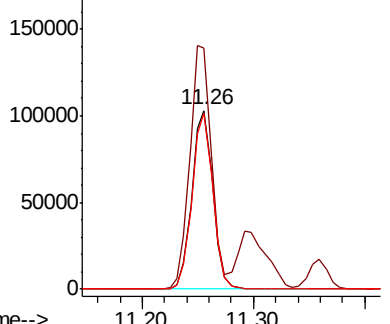
158 98.0 48.6 145.9

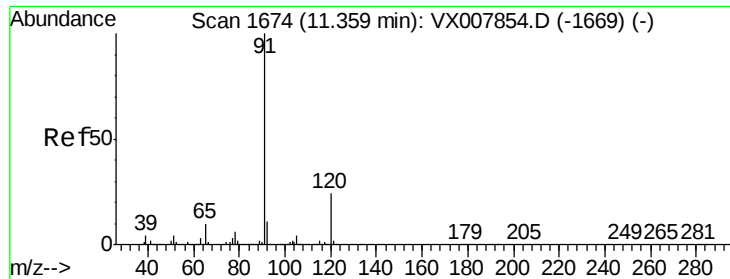


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 50.747 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW05D-M20W2-030619MS

Tgt Ion: 91 Resp: 554843

Ion Ratio Lower Upper

91 100

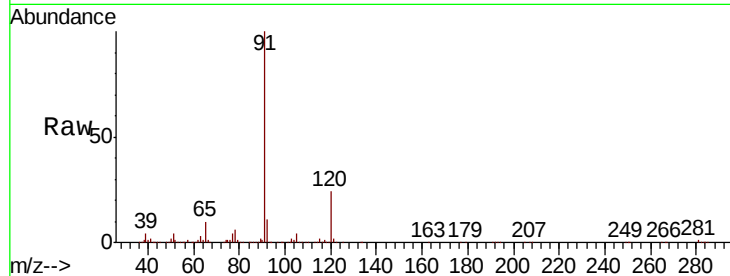
120 24.2 12.0 36.0

Manual Integrations

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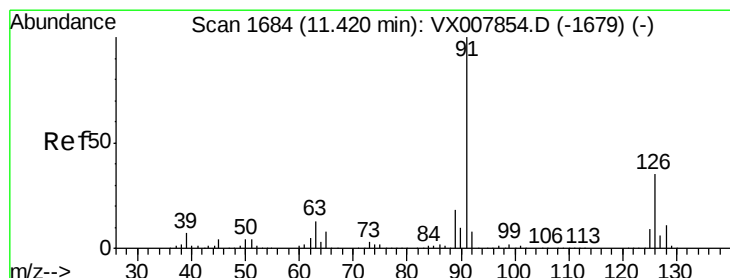
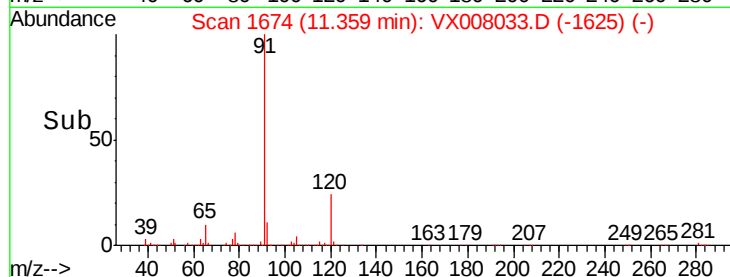
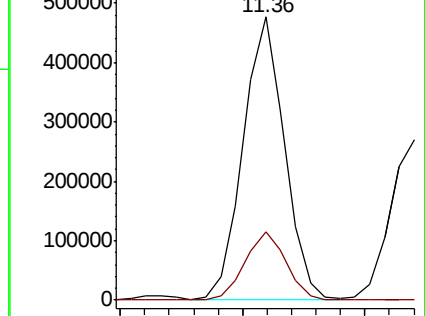
MMDadoda

3/13/2019 10:14:09 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 49.709 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008033.D

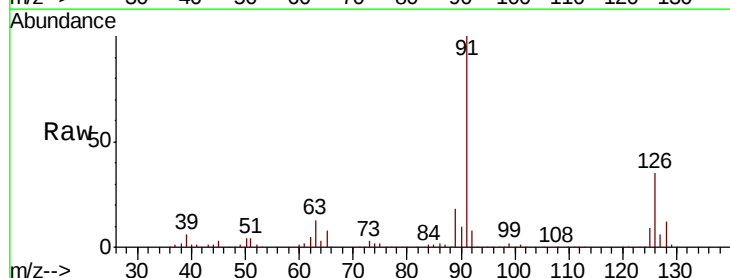
Acq: 12 Mar 2019 22:46

Tgt Ion: 91 Resp: 332304

Ion Ratio Lower Upper

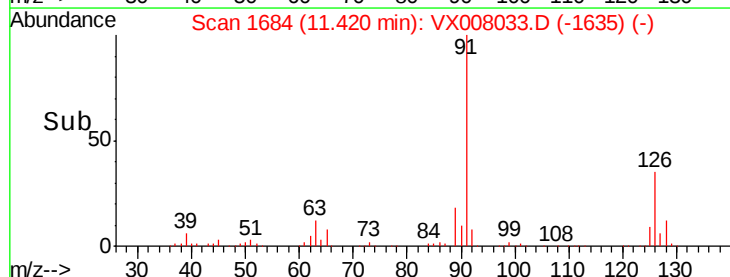
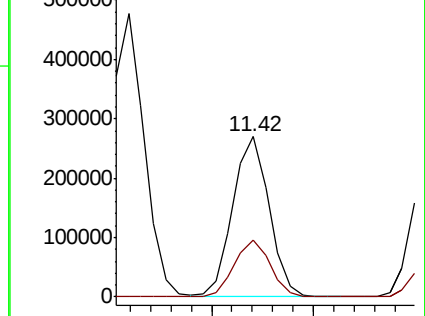
91 100

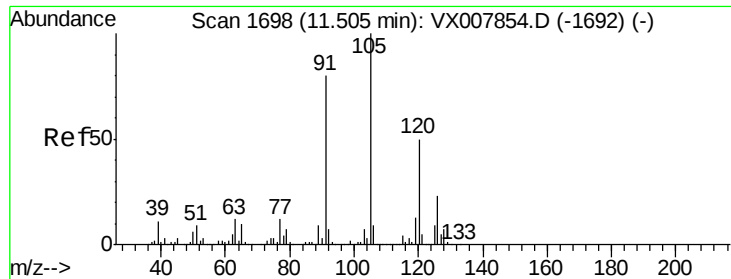
126 35.4 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





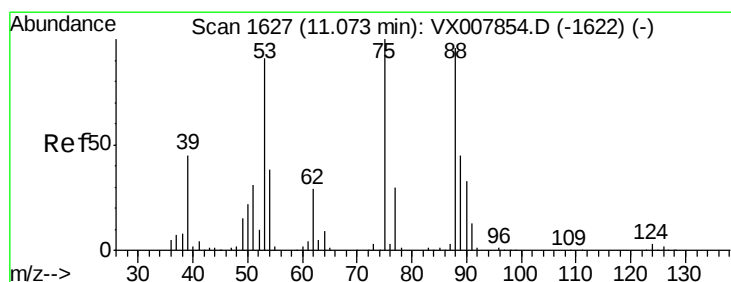
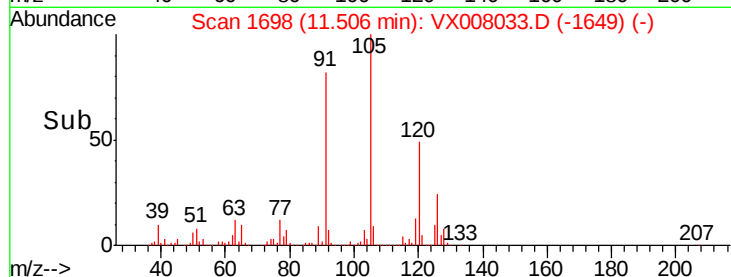
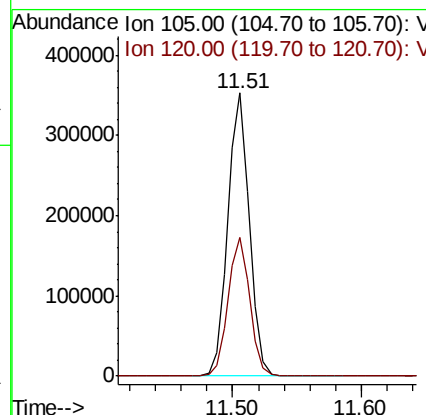
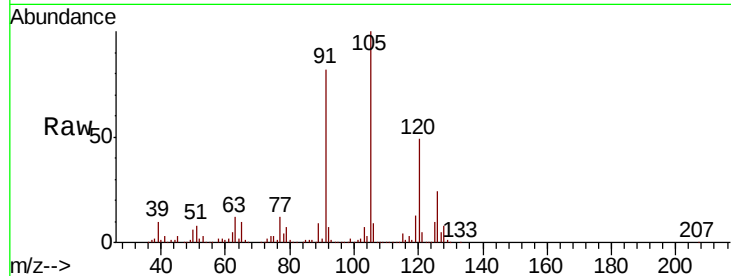
#80
 1,3,5-Trimethylbenzene
 Concen: 51.341 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX008033.D
 Acq: 12 Mar 2019 22:46

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW05D-M20W2-030619MS

Tgt Ion: 105 Resp: 416459
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.9 74.6

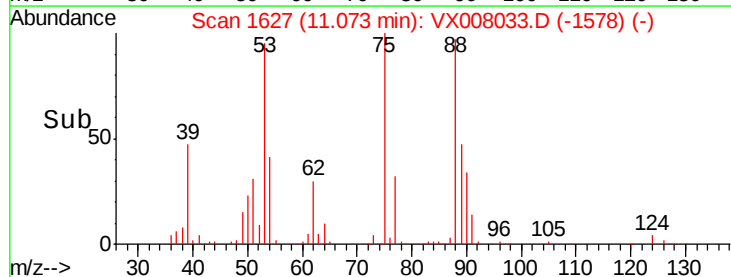
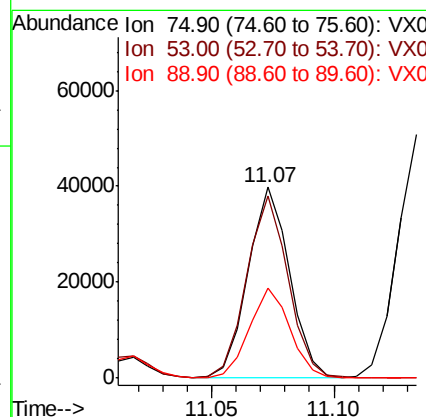
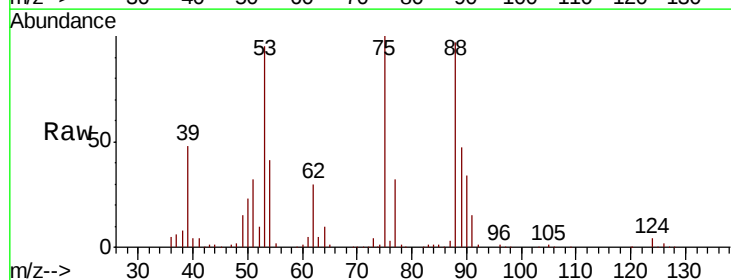
Manual Integrations
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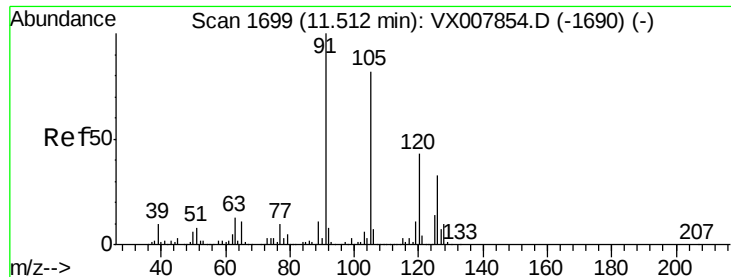
MMDadoda
 3/13/2019 10:14:09 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.869 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX008033.D
 Acq: 12 Mar 2019 22:46

Tgt Ion: 75 Resp: 46750
 Ion Ratio Lower Upper
 75 100
 53 96.4 76.1 114.1
 89 46.6 36.3 54.5





#82

4-Chlorotoluene

Concen: 49.852 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW05D-M20W2-030619MS

Tgt Ion: 91 Resp: 381919

Ion Ratio Lower Upper

91 100

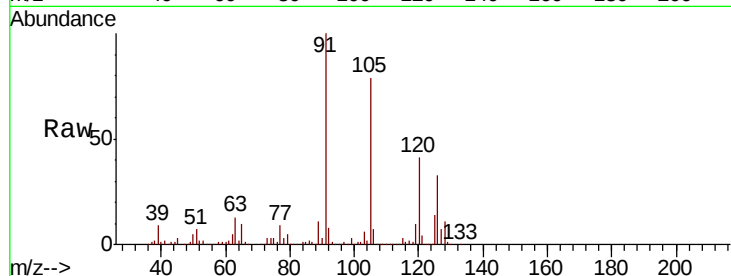
126 31.3 15.6 46.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX007854.D (-1690) (-)

Ion 125.90 (125.60 to 126.60): VX007854.D (-1690) (-)

11.51

300000

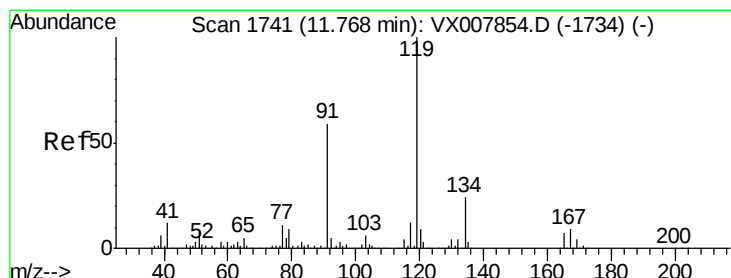
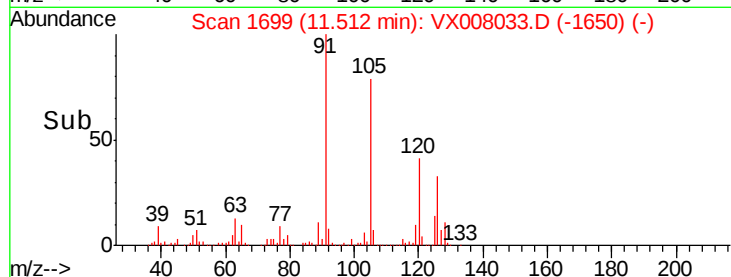
200000

100000

0

11.40 11.50 11.60

Time-->



#83

tert-Butylbenzene

Concen: 50.507 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

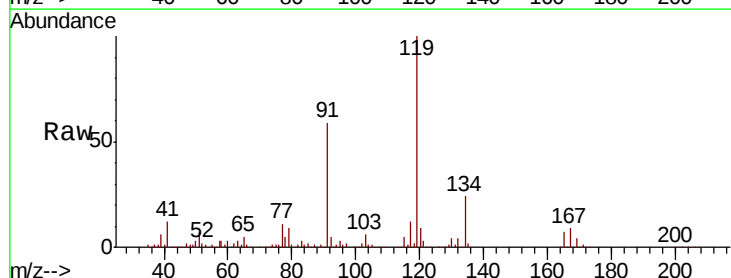
Tgt Ion: 119 Resp: 412682

Ion Ratio Lower Upper

119 100

91 55.2 27.1 81.3

134 23.3 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): VX007854.D (-1734) (-)

Ion 91.00 (90.70 to 91.70): VX007854.D (-1734) (-)

Ion 134.00 (133.70 to 134.70): VX007854.D (-1734) (-)

11.77

400000

300000

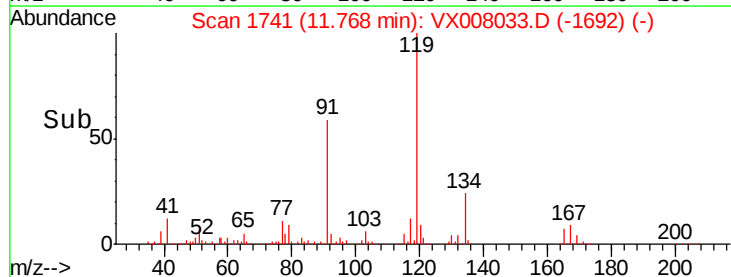
200000

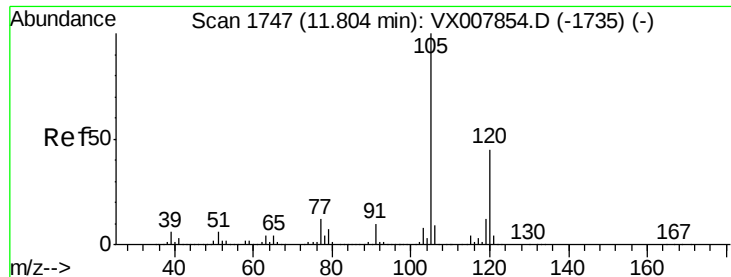
100000

0

11.70 11.75 11.80

Time-->





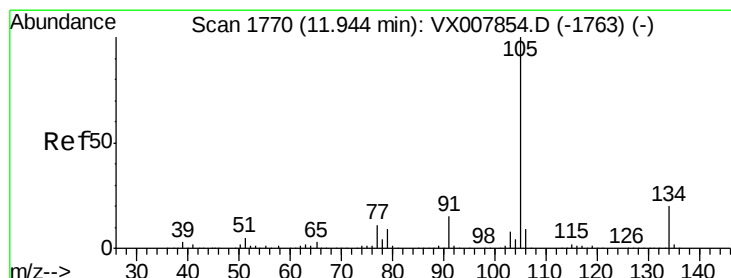
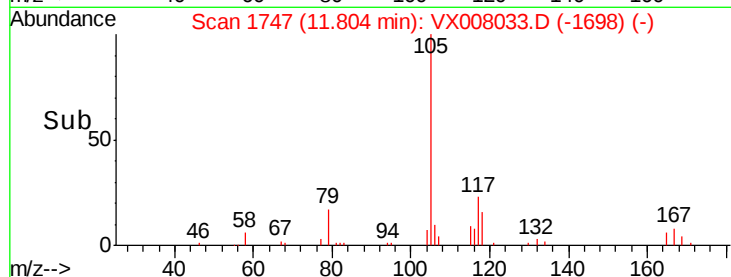
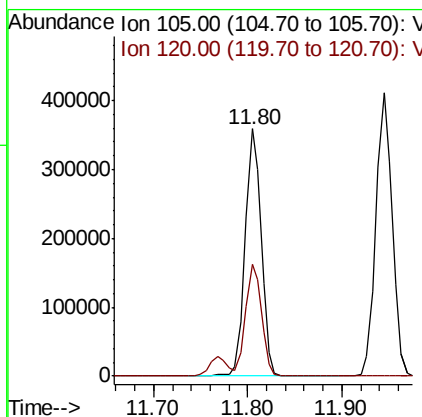
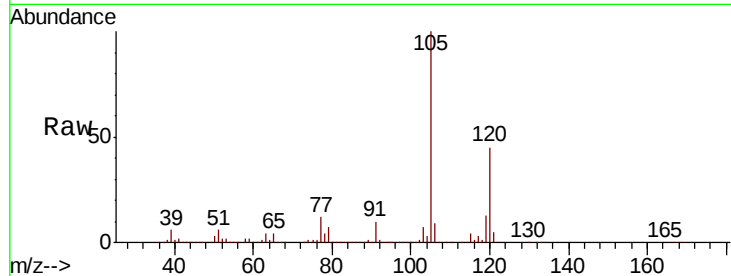
#84
1,2,4-Trimethylbenzene
Concen: 51.451 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW05D-M20W2-030619MS

Tgt Ion:105 Resp: 427836
Ion Ratio Lower Upper
105 100
120 44.7 22.6 67.7

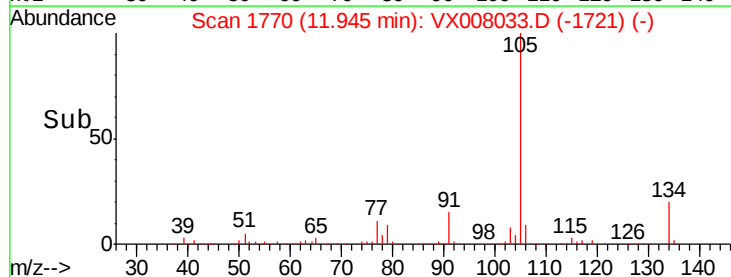
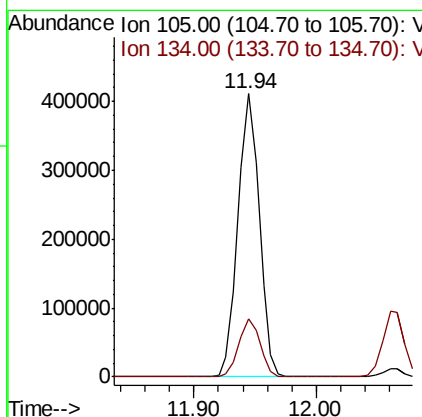
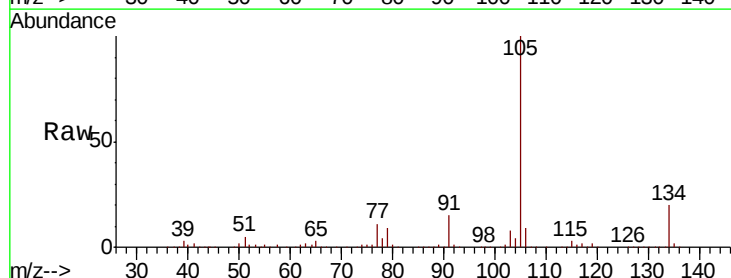
Manual Integrations
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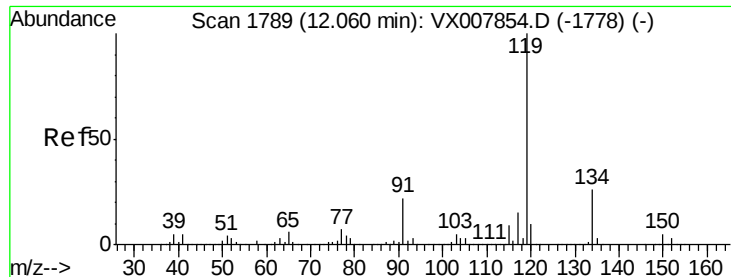
MMDadoda
3/13/2019 10:14:09 AM



#85
sec-Butylbenzene
Concen: 51.508 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. 0.00 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

Tgt Ion:105 Resp: 495666
Ion Ratio Lower Upper
105 100
134 20.5 10.4 31.2





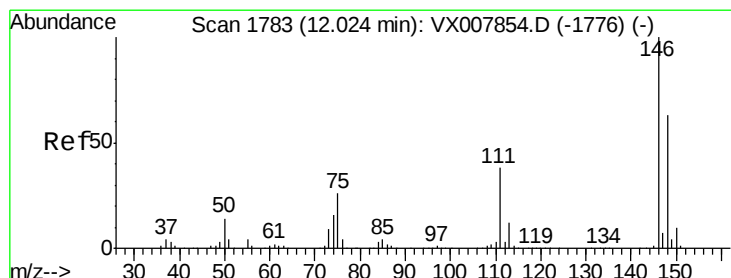
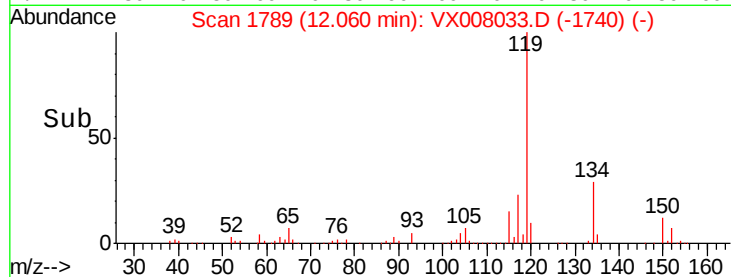
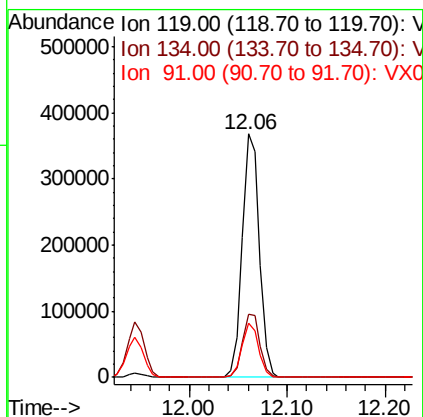
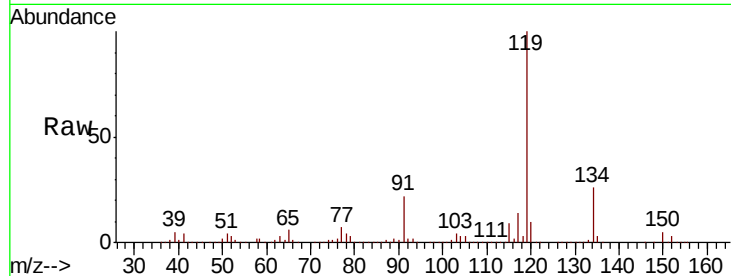
#86
p-Isopropyltoluene
Concen: 51.905 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW05D-M20W2-030619MS

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

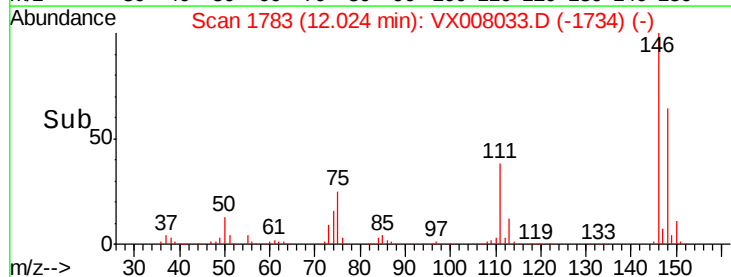
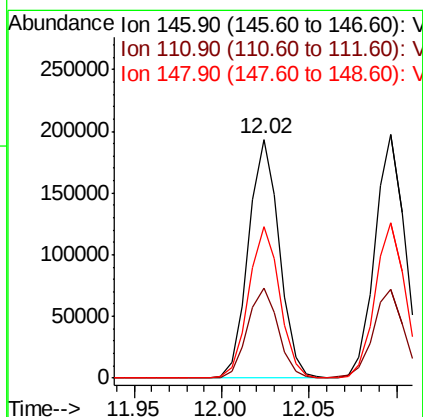
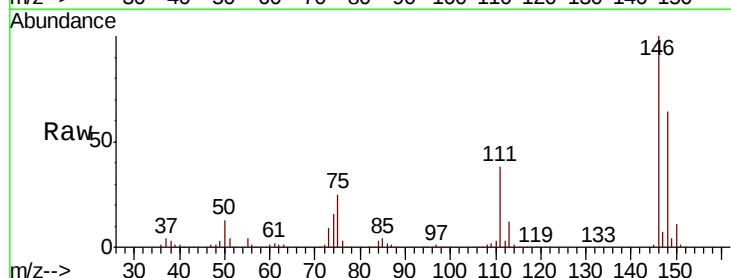
Manual Integrations
APPROVED

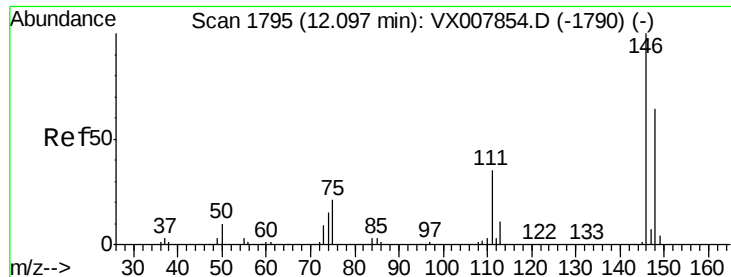
MMDadoda
3/13/2019 10:14:09 AM



#87
1,3-Dichlorobenzene
Concen: 49.497 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.9	56.7
148	63.7	31.7	95.1





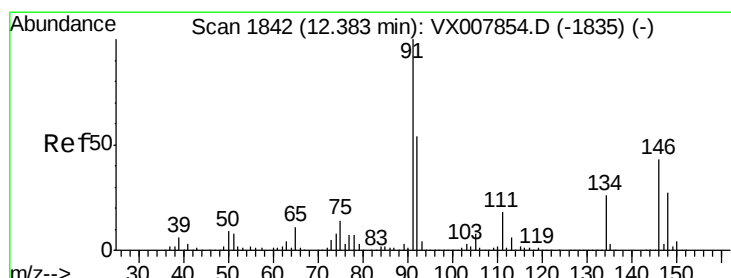
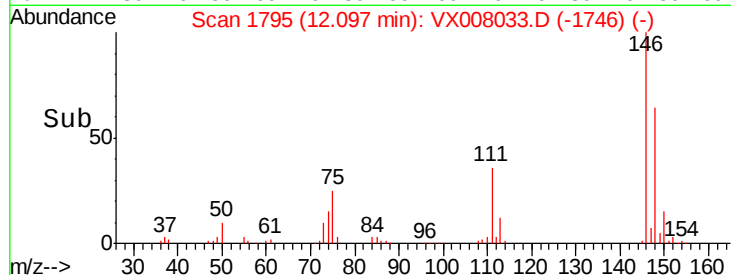
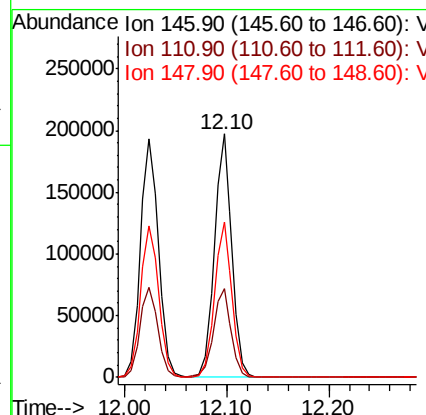
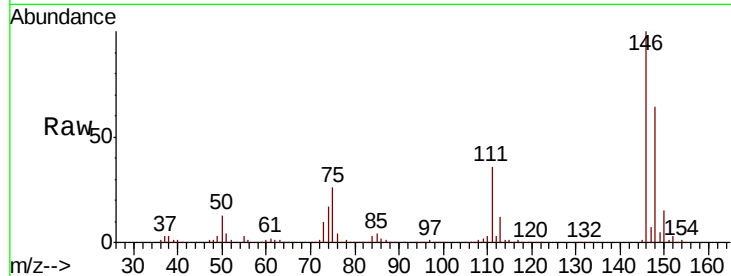
#88
 1,4-Dichlorobenzene
 Concen: 48.000 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008033.D
 Acq: 12 Mar 2019 22:46

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW05D-M20W2-030619MS

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.4	55.0
148	64.1	32.2	96.6

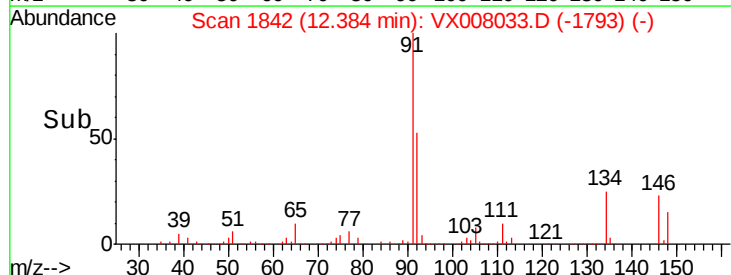
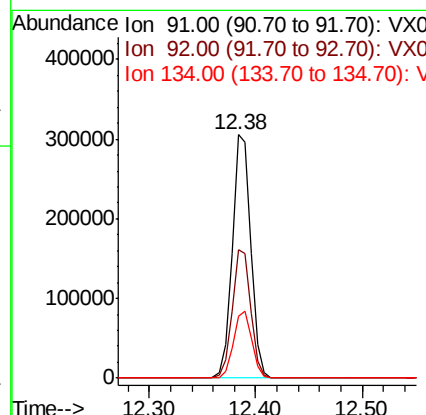
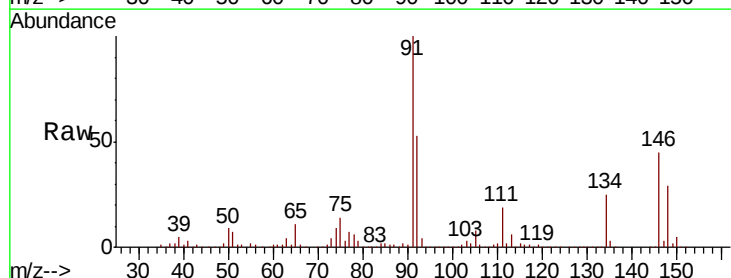
Manual Integrations
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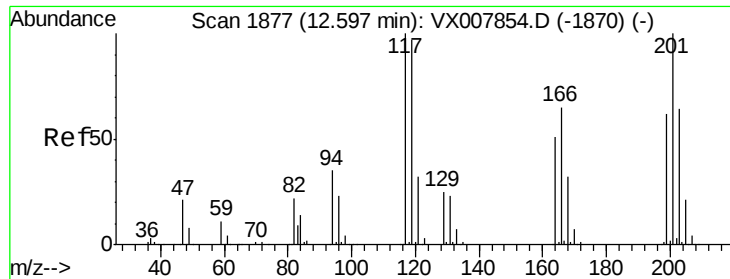
MMDadoda
 3/13/2019 10:14:09 AM



#89
 n-Butylbenzene
 Concen: 50.946 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX008033.D
 Acq: 12 Mar 2019 22:46

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	27.0	80.8
134	27.0	13.7	41.0





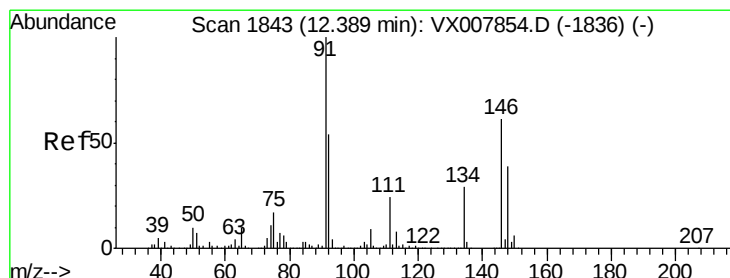
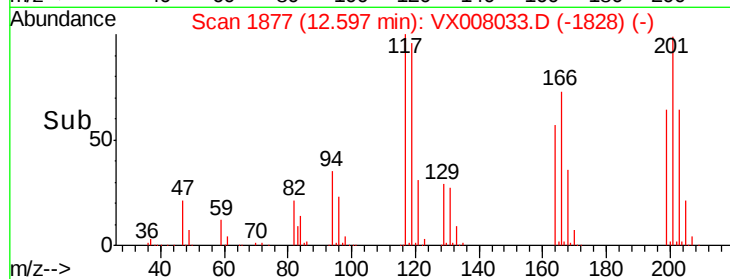
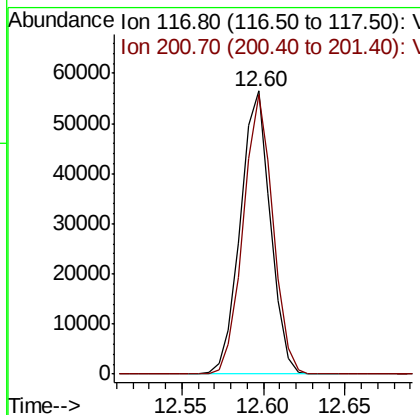
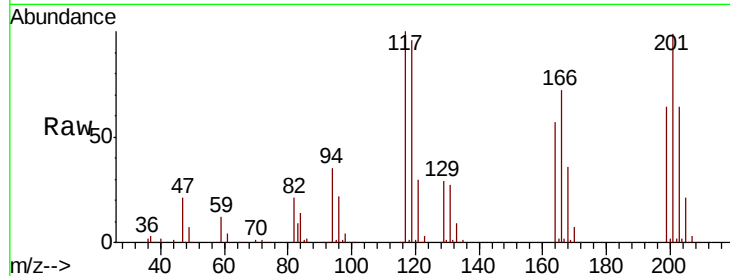
#90
Hexachloroethane
Concen: 50.227 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW05D-M20W2-030619MS

Tgt Ion:117 Resp: 72374
Ion Ratio Lower Upper
117 100
201 97.5 48.9 146.7

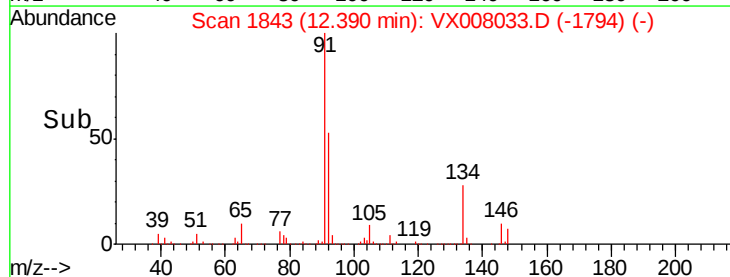
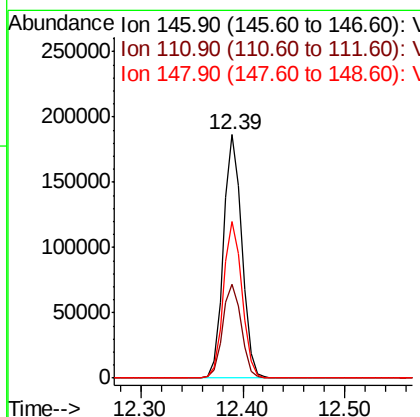
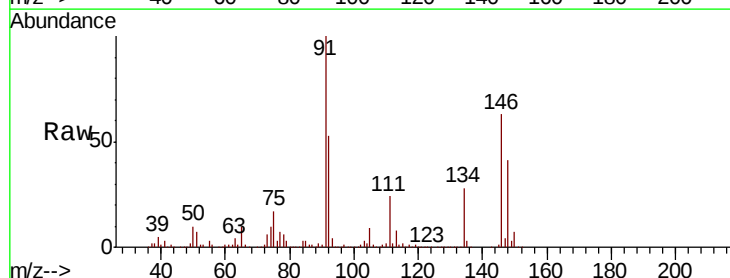
Manual Integrations
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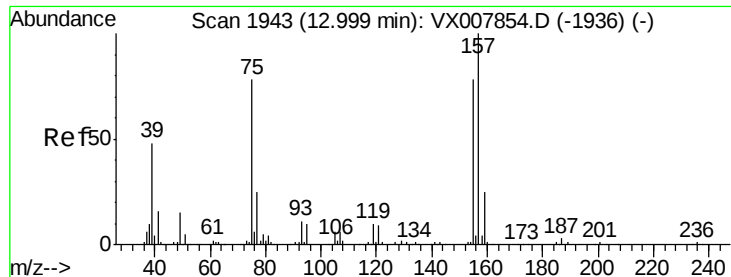
MMDadoda
3/13/2019 10:14:09 AM



#91
1,2-Dichlorobenzene
Concen: 49.166 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX008033.D
Acq: 12 Mar 2019 22:46

Tgt Ion:146 Resp: 233481
Ion Ratio Lower Upper
146 100
111 39.2 19.6 58.8
148 64.6 31.9 95.5





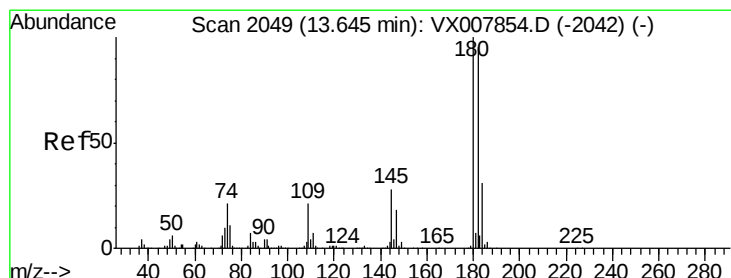
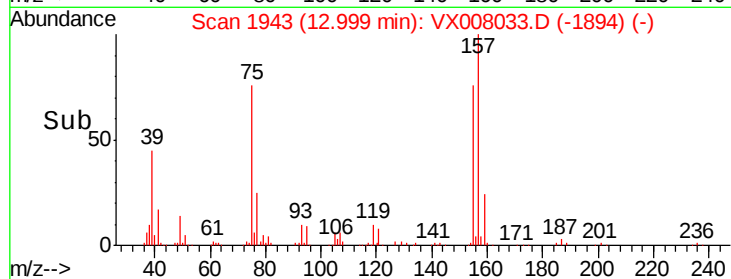
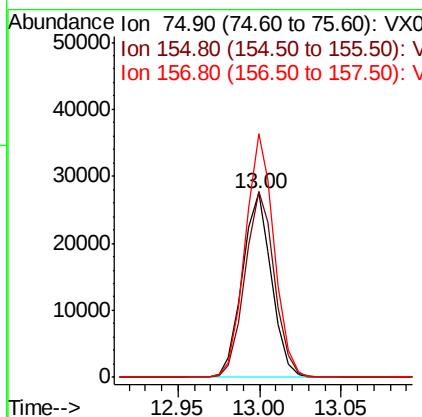
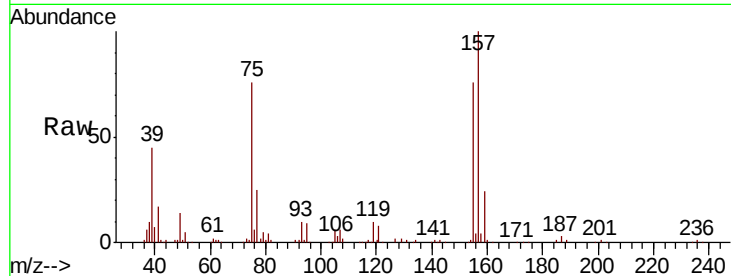
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.341 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008033.D
 Acq: 12 Mar 2019 22:46

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW05D-M20W2-030619MS

Tgt Ion: 75 Resp: 34345
 Ion Ratio Lower Upper
 75 100
 155 101.2 49.7 149.1
 157 130.7 63.8 191.4

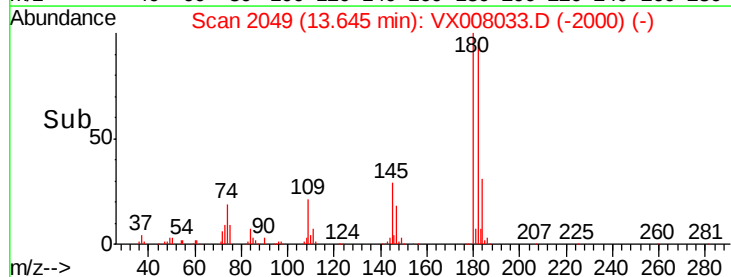
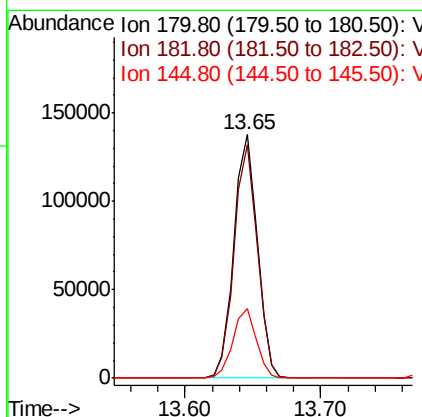
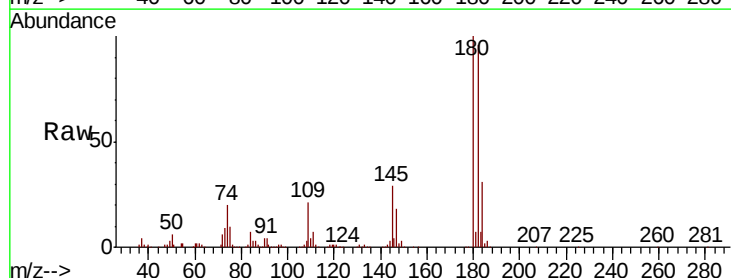
Manual Integrations
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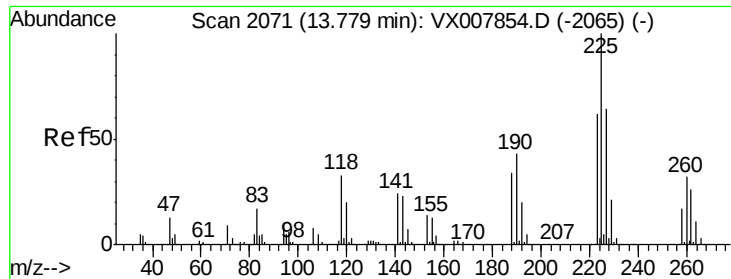
MMDadoda
 3/13/2019 10:14:09 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 49.723 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008033.D
 Acq: 12 Mar 2019 22:46

Tgt Ion: 180 Resp: 165877
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.9 143.7
 145 28.5 14.1 42.4





#94

Hexachlorobutadiene

Concen: 50.304 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Instrument :

MSVOA_X

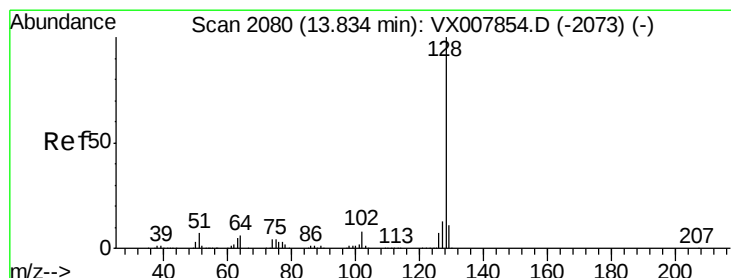
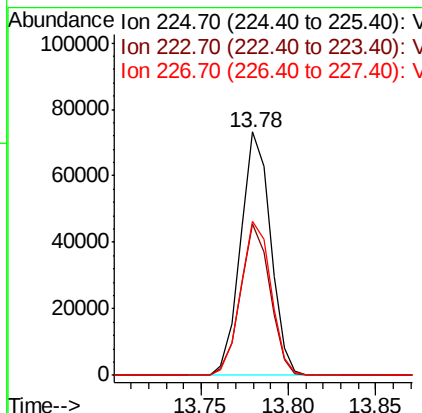
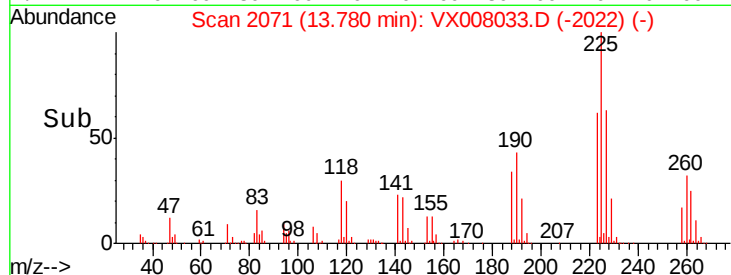
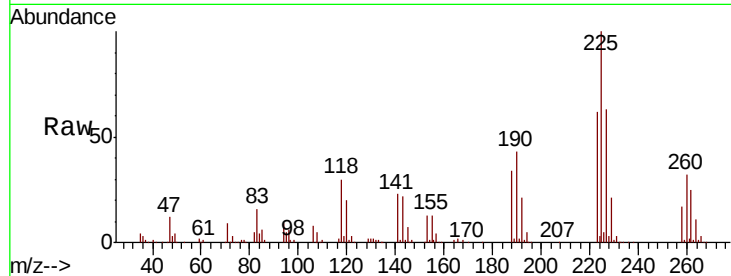
ClientSampleId :

CPA-CPMW05D-M20W2-030619MS

Tgt Ion:	225	Resp:	87738
Ion Ratio	Lower	Upper	
225	100		
223	61.2	31.1	93.2
227	63.9	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
3/13/2019 10:14:09 AM



#95

Naphthalene

Concen: 51.323 ug/l

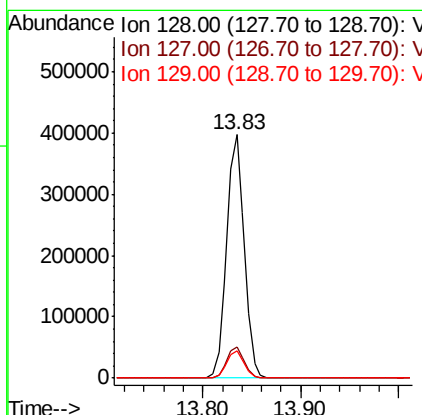
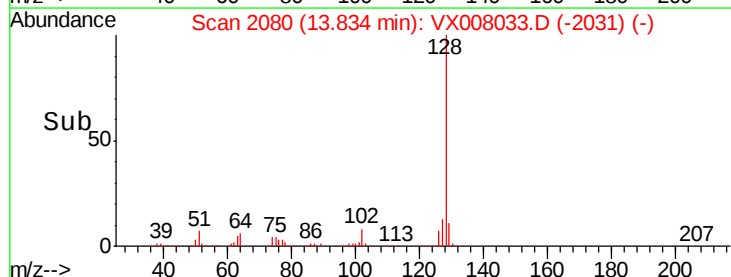
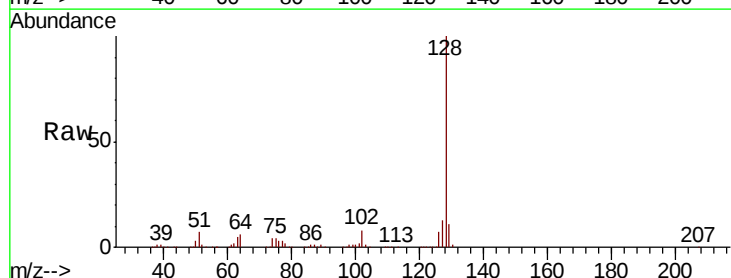
RT: 13.83 min Scan# 2080

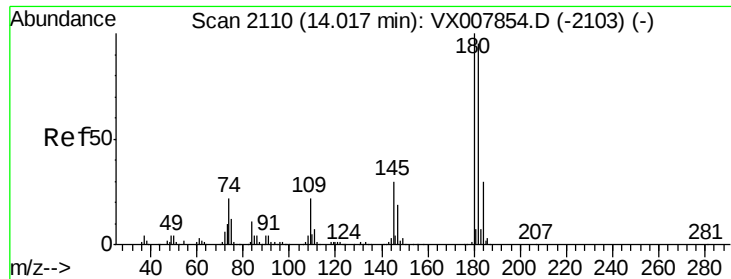
Delta R.T. 0.00 min

Lab File: VX008033.D

Acq: 12 Mar 2019 22:46

Tgt Ion:	128	Resp:	493327
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	11.0	8.7	13.1





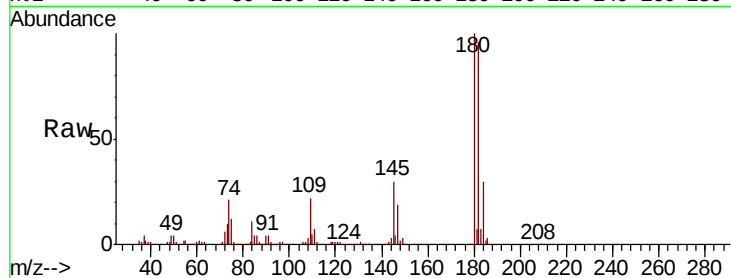
#96
 1,2,3-Trichlorobenzene
 Concen: 50.170 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX008033.D
 Acq: 12 Mar 2019 22:46

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW05D-M20W2-030619MS

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.3	47.5	142.5
145	30.0	14.8	44.3

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 10:14:09 AM



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

