

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030619\
 Data File : VX007859.D
 Acq On : 06 Mar 2019 13:39
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX030619

Manual Integrations
 APPROVED

MMDadoda
 3/7/2019 10:35:18 AM

Quant Time: Mar 07 07:57:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	366498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	519714	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	458062	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	235586	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	195498	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
35) Dibromofluoromethane	5.50	113	174478	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	
50) Toluene-d8	8.71	98	667246	54.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.30%	
62) 4-Bromofluorobenzene	11.13	95	235159	54.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	166308	53.113	ug/l	100
3) Chloromethane	1.33	50	205477	50.921	ug/l	100
4) Vinyl Chloride	1.41	62	207164	51.669	ug/l	100
5) Bromomethane	1.64	94	98947	52.648	ug/l	99
6) Chloroethane	1.72	64	129531	48.631	ug/l	99
7) Trichlorofluoromethane	1.93	101	269950	51.713	ug/l	97
8) Diethyl Ether	2.19	74	116656	51.607	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	172002	53.171	ug/l	99
10) Methyl Iodide	2.51	142	245879	53.578	ug/l	99
11) Tert butyl alcohol	3.07	59	200649	232.068	ug/l	99
12) 1,1-Dichloroethene	2.37	96	160560	51.491	ug/l	98
13) Acrolein	2.29	56	124946	255.328	ug/l	100
14) Allyl chloride	2.73	41	333122	50.840	ug/l	99
15) Acrylonitrile	3.15	53	529451	242.604	ug/l	100
16) Acetone	2.45	43	575832	257.323	ug/l	100
17) Carbon Disulfide	2.57	76	505703	53.436	ug/l	99
18) Methyl Acetate	2.78	43	235120	49.457	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	552235	51.479	ug/l	99
20) Methylene Chloride	2.85	84	176352	49.517	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	171170	49.889	ug/l	99
22) Diisopropyl ether	3.87	45	631112	52.544	ug/l	98
23) Vinyl Acetate	3.82	43	2781553	264.084	ug/l	99
24) 1,1-Dichloroethane	3.70	63	328670	50.848	ug/l	100
25) 2-Butanone	4.70	43	787451	248.555	ug/l	100
26) 2,2-Dichloropropane	4.58	77	226924	52.991	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	199119	50.717	ug/l	100
28) Bromochloromethane	5.02	49	165189	54.817	ug/l	99
29) Tetrahydrofuran	5.15	42	484846	245.347	ug/l	100
30) Chloroform	5.21	83	311676	50.975	ug/l	99
31) Cyclohexane	5.57	56	320199	53.900	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	264202	52.079	ug/l	99
36) 1,1-Dichloropropene	5.80	75	246699	52.423	ug/l	100
37) Ethyl Acetate	4.85	43	278778	49.920	ug/l	100
38) Carbon Tetrachloride	5.78	117	239267	53.556	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	325686	57.115	ug/l	97
40) Benzene	6.14	78	738180	52.690	ug/l	99
41) Methacrylonitrile	5.06	41	157581	51.757	ug/l	99
42) 1,2-Dichloroethane	6.20	62	236124	51.537	ug/l	100
43) Isopropyl Acetate	6.46	43	437511	52.937	ug/l	100
44) Trichloroethene	7.21	130	202927	52.561	ug/l	97
45) 1,2-Dichloropropane	7.51	63	196088	52.993	ug/l	99
46) Dibromomethane	7.66	93	122903	52.485	ug/l	99
47) Bromodichloromethane	7.90	83	238518	53.723	ug/l	99
48) Methyl methacrylate	7.77	41	229131	52.731	ug/l	99
49) 1,4-Dioxane	7.75	88	86565	969.784	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	1362823	256.404	ug/l	100
52) Toluene	8.78	92	461330	53.936	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	267248	57.672	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	296686	56.696	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	183388	52.965	ug/l	99
56) Ethyl methacrylate	9.18	69	286330	55.077	ug/l	100
57) 1,3-Dichloropropane	9.37	76	308643	53.089	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	726414	270.125	ug/l	100
59) 2-Hexanone	9.49	43	1052707	255.105	ug/l	100
60) Dibromochloromethane	9.58	129	200765	55.474	ug/l	99
61) 1,2-Dibromoethane	9.67	107	194665	52.953	ug/l	100
64) Tetrachloroethene	9.34	164	194562	51.255	ug/l	98
65) Chlorobenzene	10.13	112	501440	52.313	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	184515	53.710	ug/l	100
67) Ethyl Benzene	10.25	91	864986	54.821	ug/l	100
68) m/p-Xylenes	10.36	106	666031	109.512	ug/l	99
69) o-Xylene	10.69	106	320662	54.612	ug/l	99
70) Styrene	10.71	104	532260	55.396	ug/l	100
71) Bromoform	10.85	173	158788	53.823	ug/l	# 100
73) Isopropylbenzene	11.02	105	869746	54.588	ug/l	100
74) N-amyl acetate	10.90	43	378417	52.024	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	265521	48.313	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	222406m	44.989	ug/l	
77) Bromobenzene	11.26	156	223606	51.188	ug/l	100
78) n-propylbenzene	11.36	91	989682	55.991	ug/l	99
79) 2-Chlorotoluene	11.42	91	567953	52.552	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	712510	54.333	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	85604	55.351	ug/l	99
82) 4-Chlorotoluene	11.51	91	664578	53.659	ug/l	100
83) tert-Butylbenzene	11.77	119	719399	54.461	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	730761	54.359	ug/l	100
85) sec-Butylbenzene	11.94	105	871338	56.008	ug/l	100
86) p-Isopropyltoluene	12.06	119	786470	56.447	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	406951	52.659	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	408102	51.565	ug/l	100
89) n-Butylbenzene	12.38	91	687302	58.226	ug/l	99
90) Hexachloroethane	12.60	117	130335	55.949	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	396029	51.584	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	56789	49.442	ug/l	98

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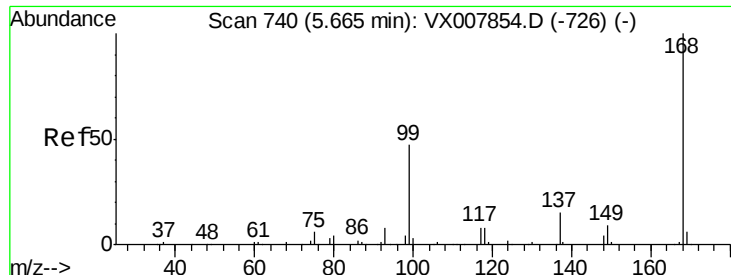
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	297121	55.091	ug/l	99
94) Hexachlorobutadiene	13.78	225	159183	56.453	ug/l	99
95) Naphthalene	13.83	128	841748	54.167	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	290208	54.016	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX030619

Tot Ion:168 Resp: 366498

Ion Ratio Lower Upper

168 100

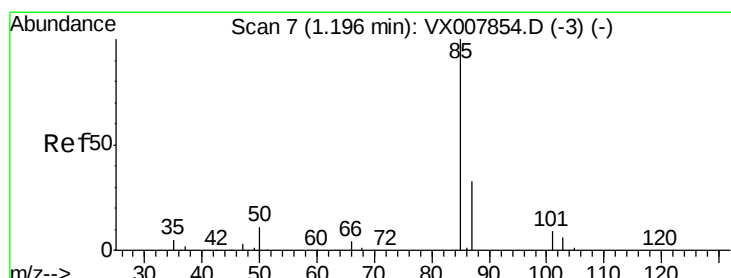
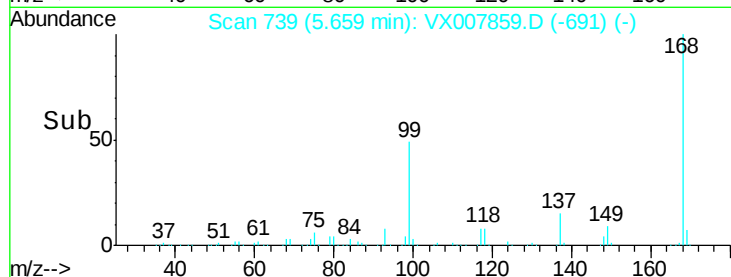
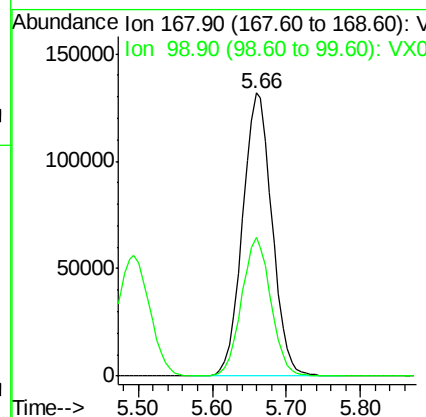
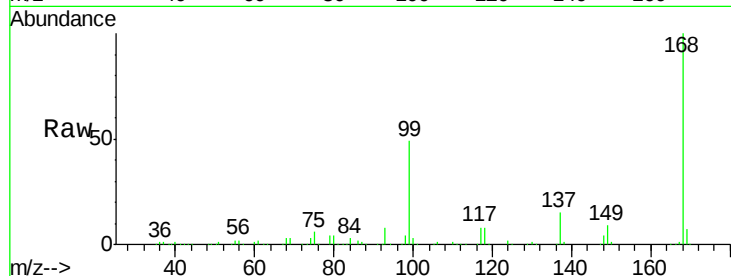
99 48.7 37.6 56.4

Manual Integrations

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3/7/2019 10:35:18 AM



#2

Dichlorodifluoromethane

Concen: 53.113 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007859.D

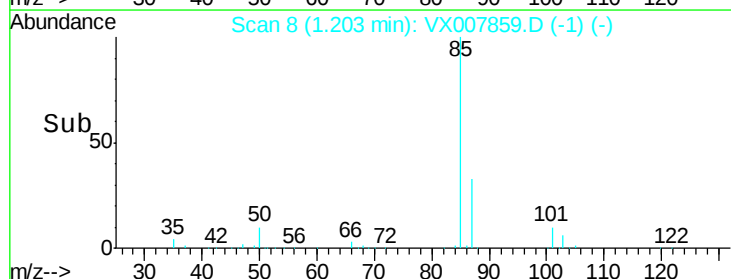
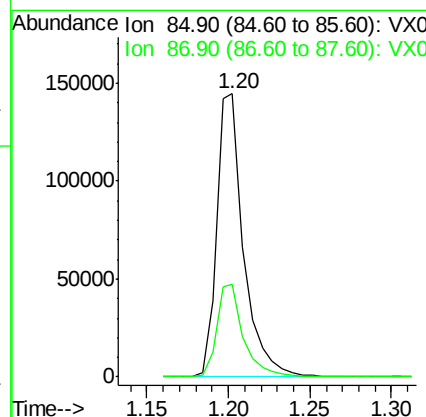
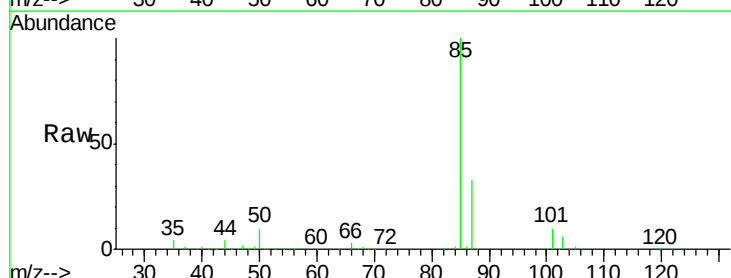
Acq: 06 Mar 2019 13:39

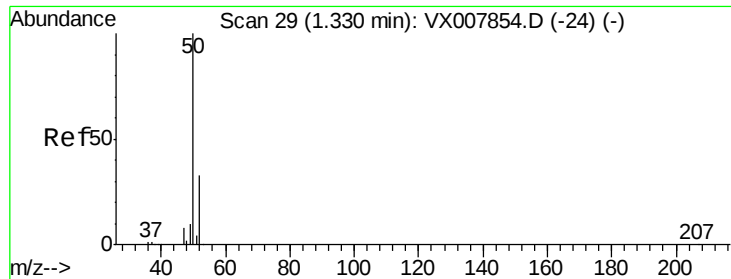
Tgt Ion: 85 Resp: 166308

Ion Ratio Lower Upper

85 100

87 32.6 16.4 49.1





#3

Chloromethane

Concen: 50.921 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX030619

Tot Ion: 50 Resp: 205477

Ion Ratio Lower Upper

50 100

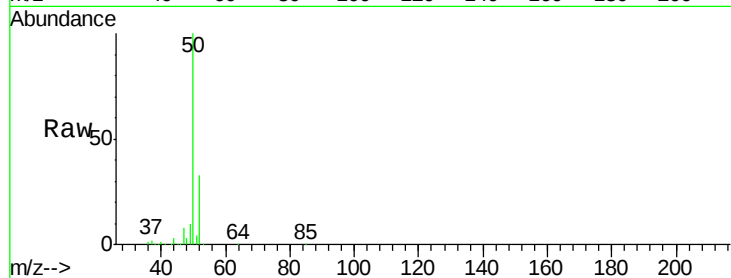
52 33.1 26.5 39.7

Manual Integrations

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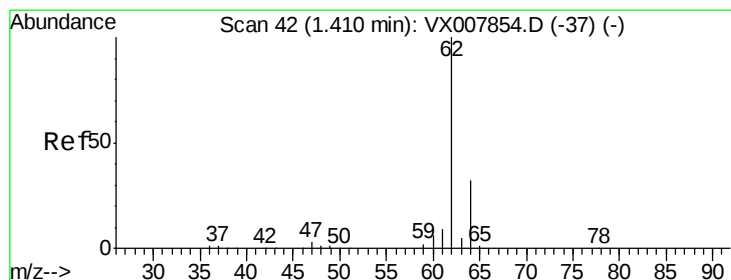
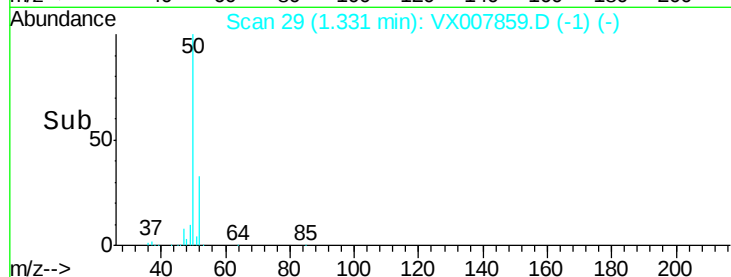
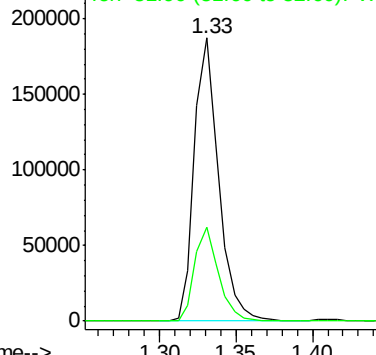
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 51.669 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007859.D

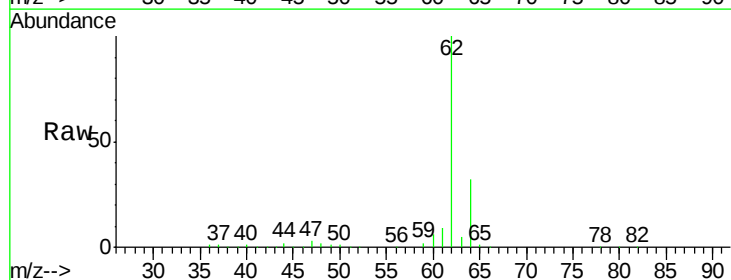
Acq: 06 Mar 2019 13:39

Tgt Ion: 62 Resp: 207164

Ion Ratio Lower Upper

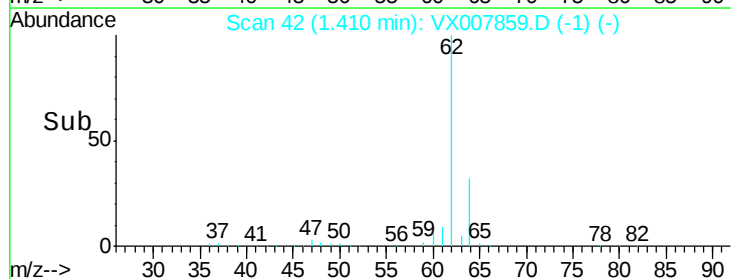
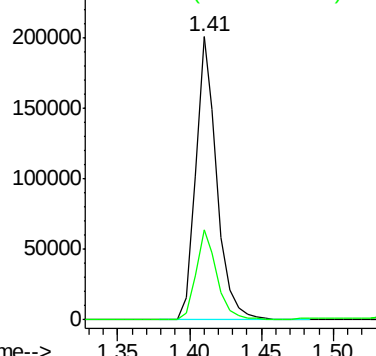
62 100

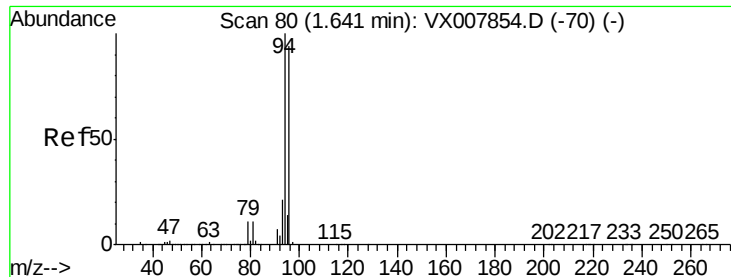
64 31.7 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 52.648 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX030619

Tot Ion: 94 Resp: 98947

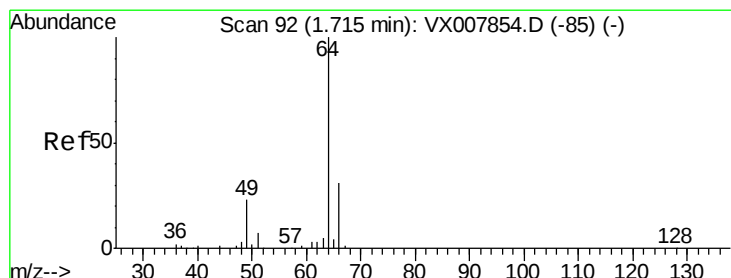
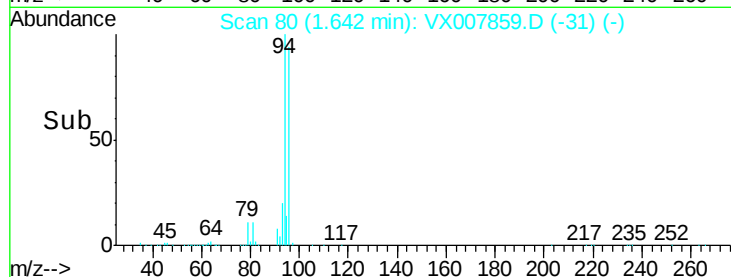
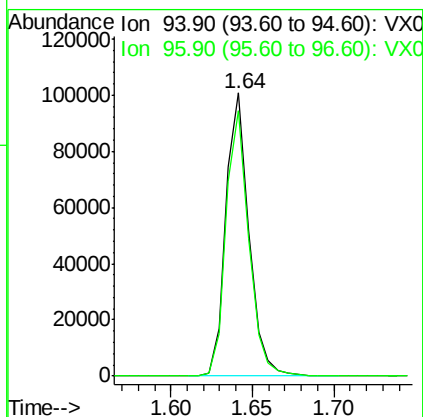
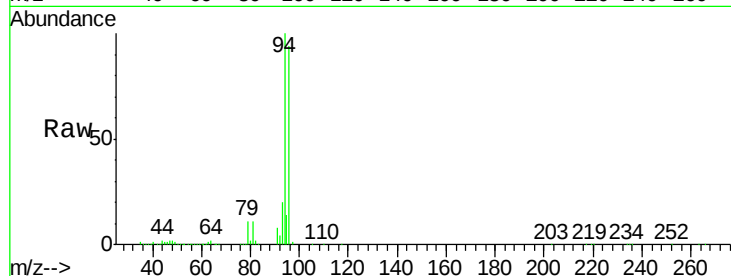
Ion Ratio Lower Upper

94 100

96 93.9 75.5 113.3

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#6

Chloroethane

Concen: 48.631 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX007859.D

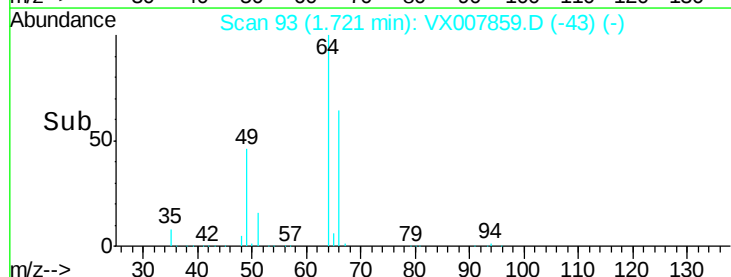
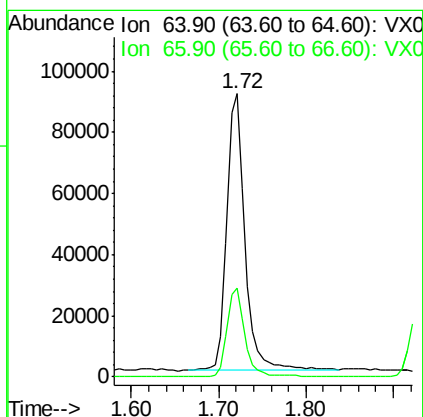
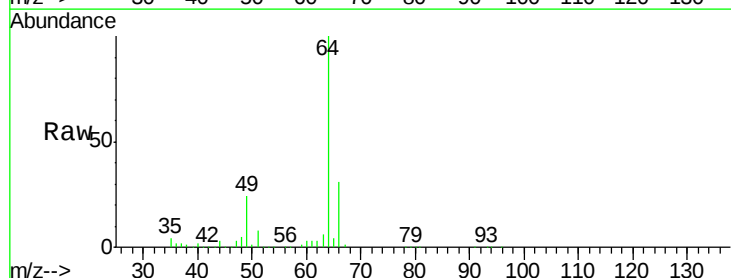
Acq: 06 Mar 2019 13:39

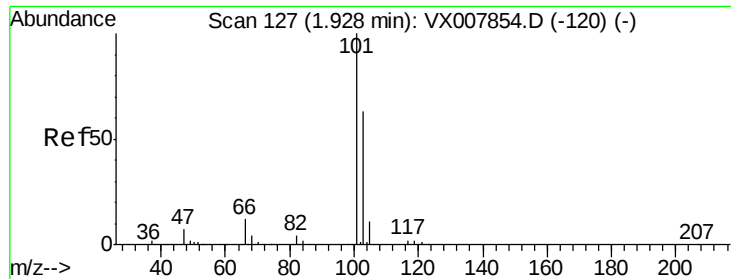
Tgt Ion: 64 Resp: 129531

Ion Ratio Lower Upper

64 100

66 32.0 25.2 37.8





#7

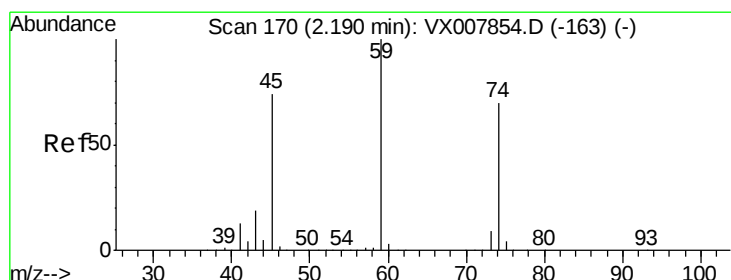
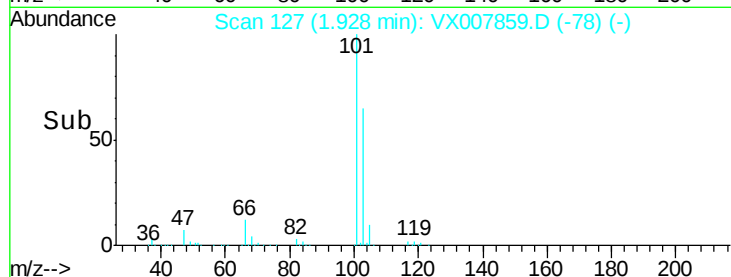
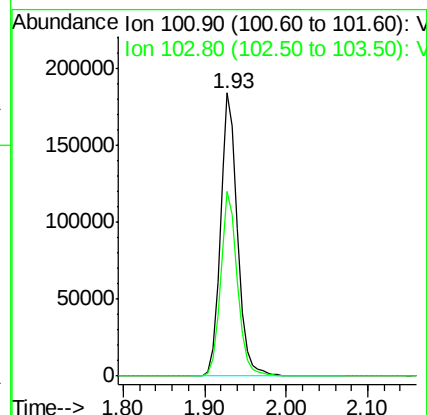
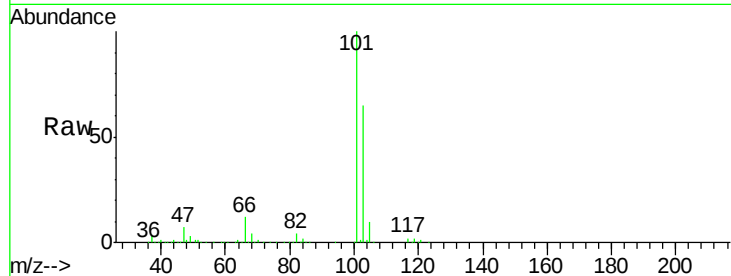
Trichlorofluoromethane
Concen: 51.713 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007859.D
Acq: 06 Mar 2019 13:39

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		269950		
103	65.2	50.4	75.6		

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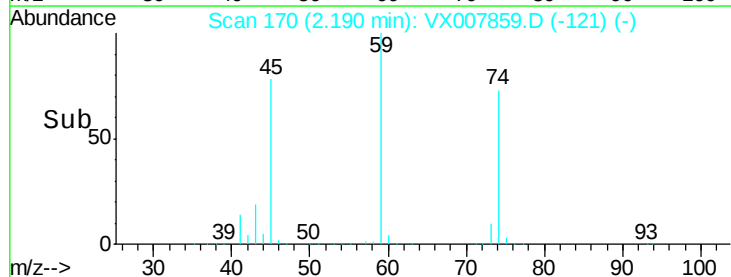
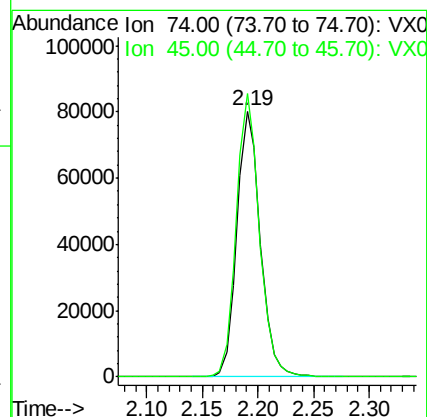
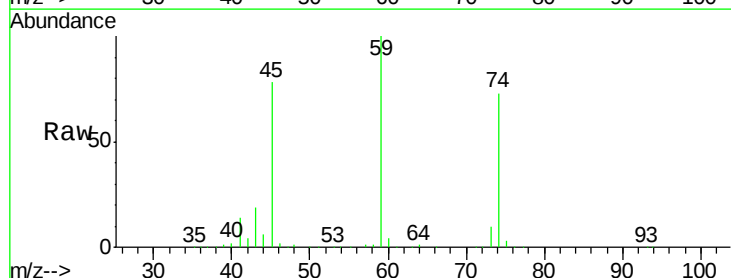
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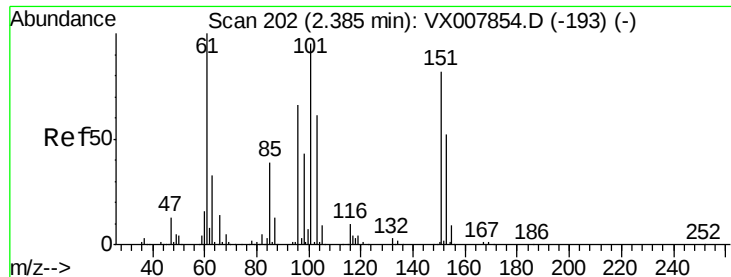


#8

Diethyl Ether
Concen: 51.607 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007859.D
Acq: 06 Mar 2019 13:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		116656		
45	104.9	52.1	156.4		





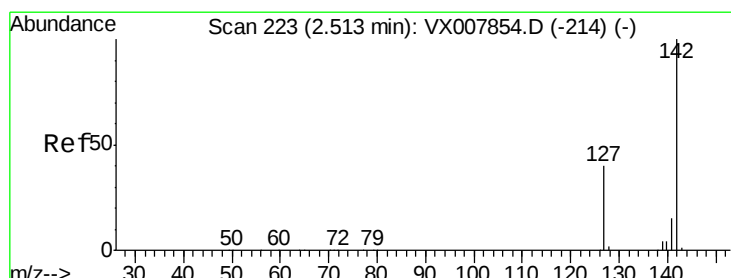
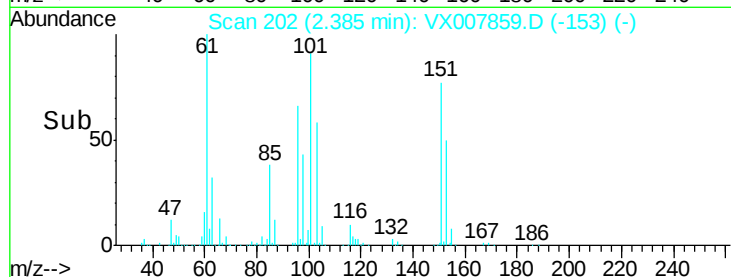
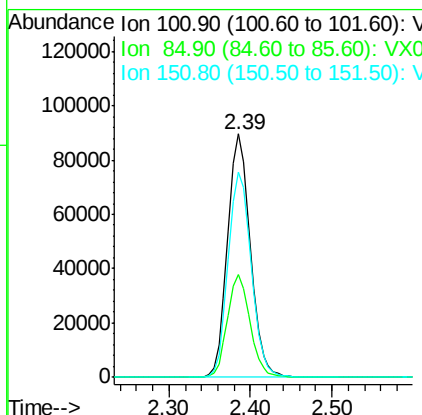
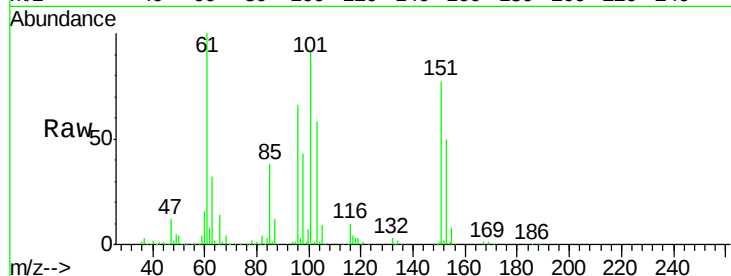
#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.171 ug/l
RT: 2.39 min Scan# 202
Delta R.T. 0.00 min
Lab File: VX007859.D
Acq: 06 Mar 2019 13:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX030619

Tot Ion	Ratio	Lower	Upper
101	100		
85	41.9	33.8	50.6
151	85.9	69.1	103.7

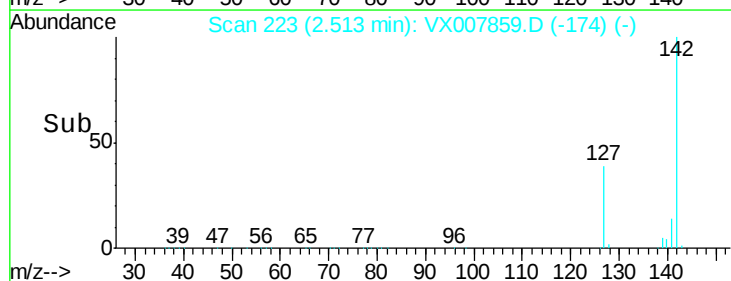
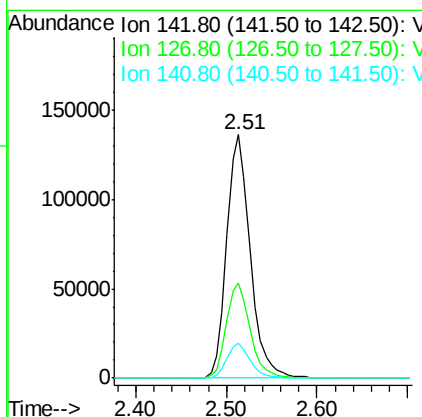
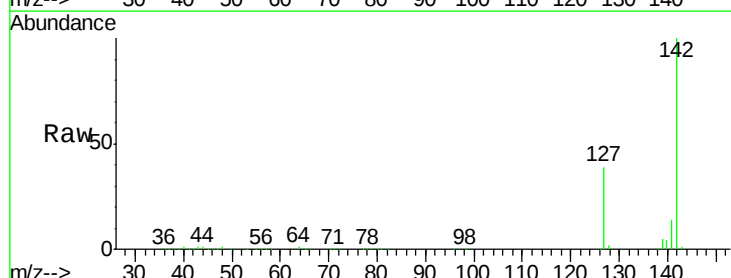
Manual Integrations
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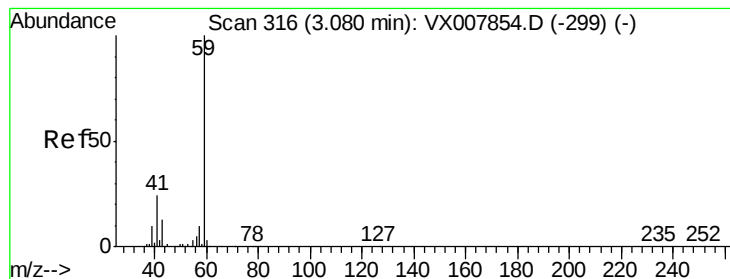
MMDadoda
3/7/2019 10:35:18 AM



#10
Methyl Iodide
Concen: 53.578 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX007859.D
Acq: 06 Mar 2019 13:39

Tgt Ion	Ratio	Lower	Upper
142	100		
127	39.4	32.1	48.1
141	14.1	11.4	17.2





#11

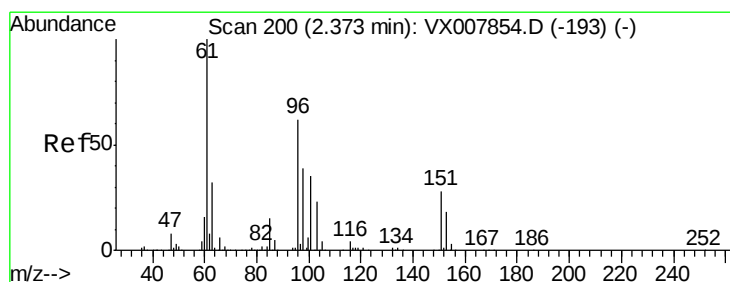
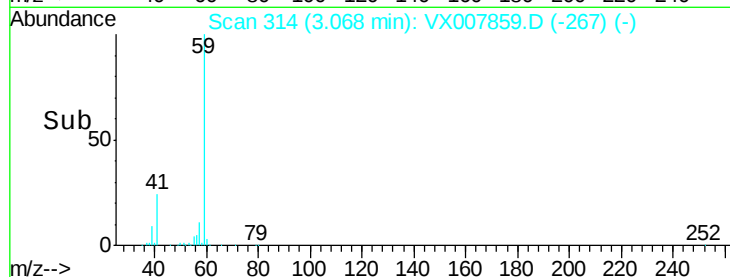
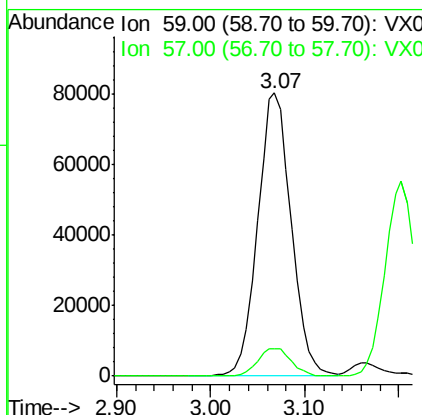
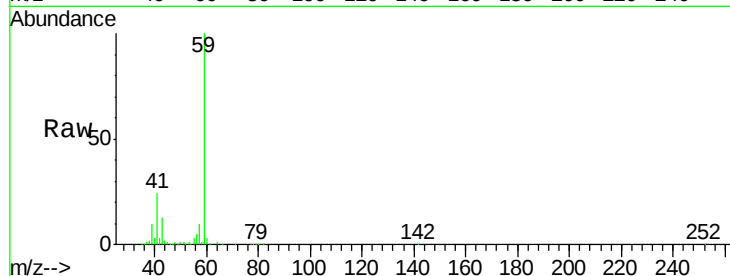
Tert butyl alcohol
 Concen: 232.068 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX007859.D
 Acq: 06 Mar 2019 13:39

Instrument :
 MSVOA_X
 ClientSampled :
 ICVVX030619

Tot Ion	59.00	Resp	200649
Ion Ratio	100	Lower	Upper
59	100	8.2	12.2
57	10.0		

Manual Integrations
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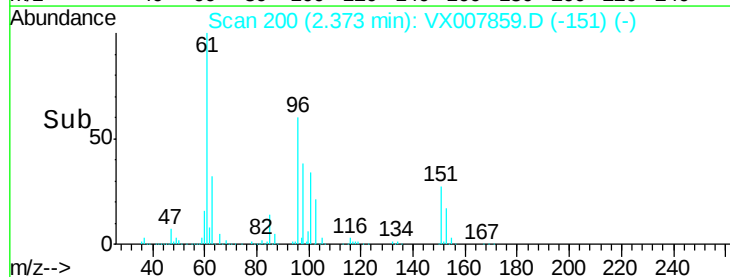
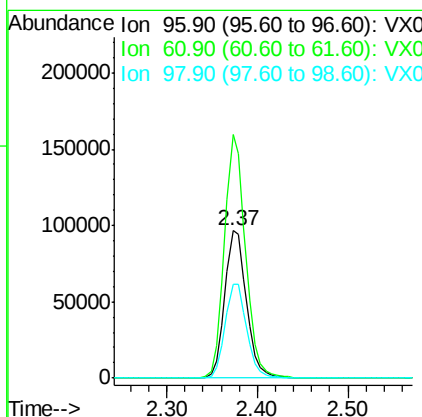
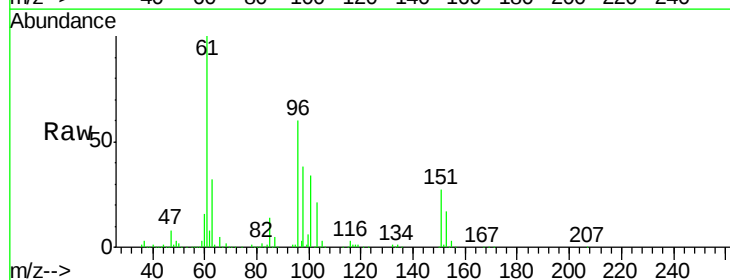
MMDadoda
 3/7/2019 10:35:18 AM



#12

1,1-Dichloroethene
 Concen: 51.491 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX007859.D
 Acq: 06 Mar 2019 13:39

Tgt Ion	96	Resp	160560
Ion Ratio	100	Lower	Upper
96	100	129.8	194.6
61	165.5	51.0	76.6
98	63.7		





#13

Acrolein

Concen: 255.328 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX030619

Tot Ion: 56 Resp: 124946

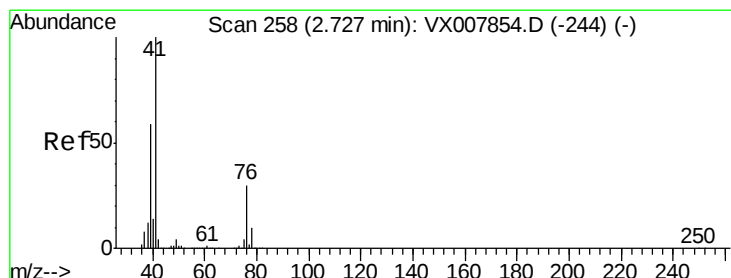
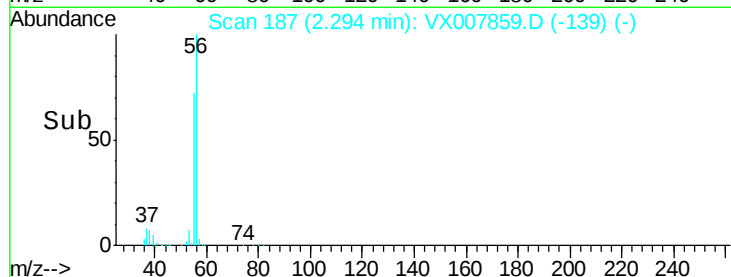
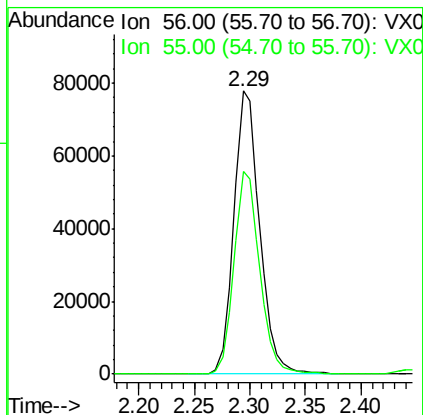
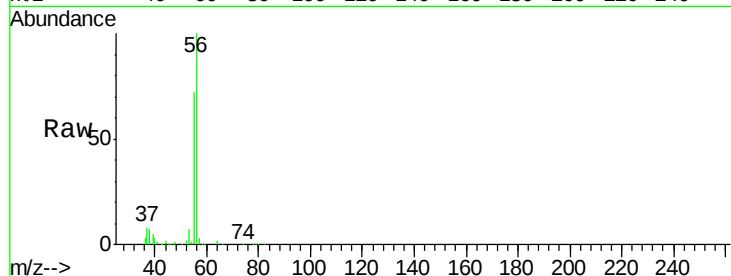
Ion Ratio Lower Upper

56 100

55 71.8 57.8 86.6

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#14

Allyl chloride

Concen: 50.840 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

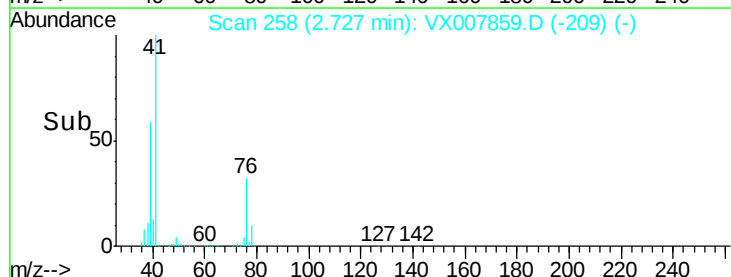
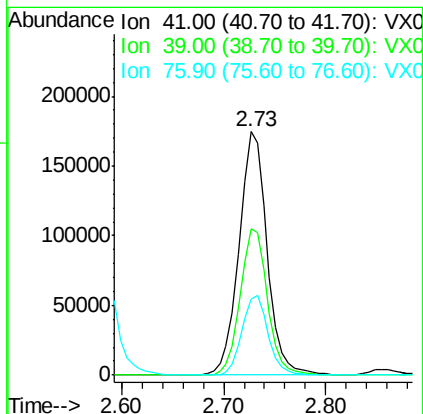
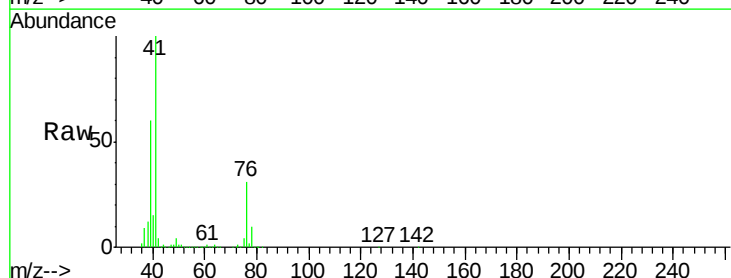
Tgt Ion: 41 Resp: 333122

Ion Ratio Lower Upper

41 100

39 58.4 46.1 69.1

76 30.5 24.0 36.0





#15

Acrylonitrile

Concen: 242.604 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Instrument :

MSVOA_X

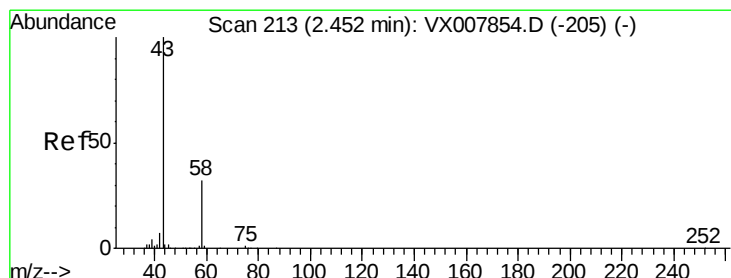
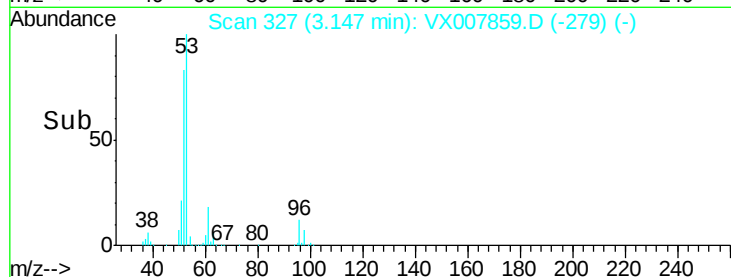
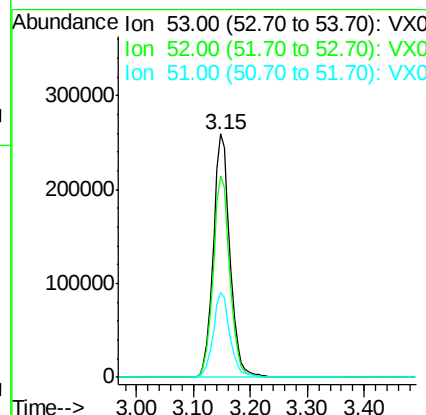
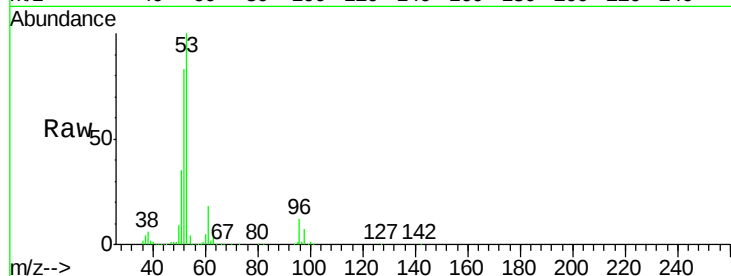
ClientSampled :

ICVVX030619

Tot Ion:	53	Resp:	529451
Ion Ratio		Lower	Upper
53	100		
52	82.4	66.0	99.0
51	35.2	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 257.323 ug/l

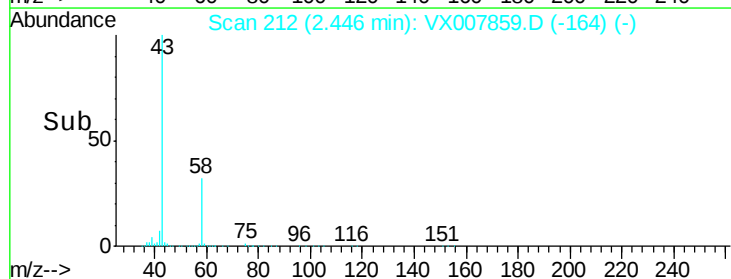
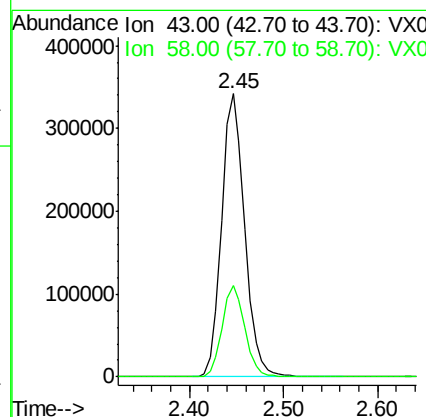
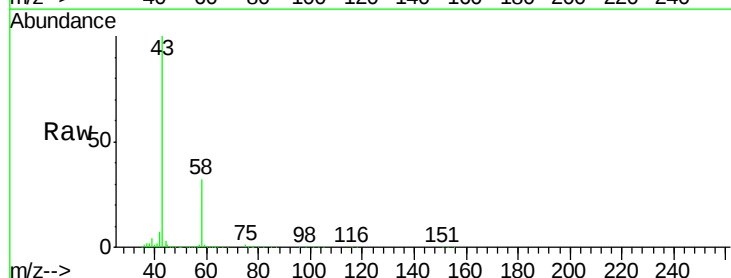
RT: 2.45 min Scan# 212

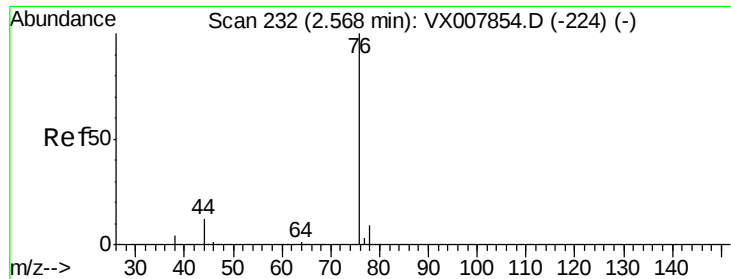
Delta R.T. -0.01 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Tgt Ion:	43	Resp:	575832
Ion Ratio		Lower	Upper
43	100		
58	32.1	25.5	38.3





#17

Carbon Disulfide

Concen: 53.436 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX030619

Tot Ion: 76 Resp: 505703

Ion Ratio Lower Upper

76 100

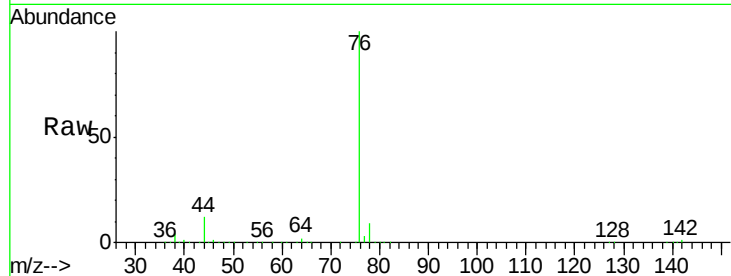
78 9.2 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

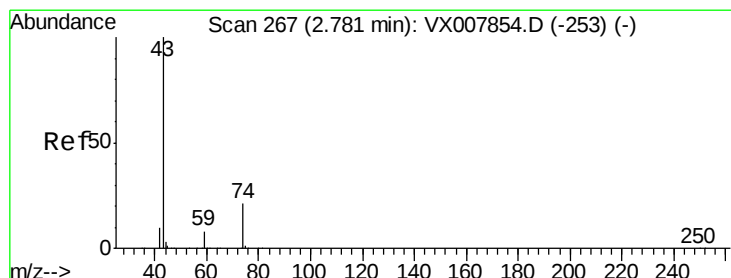
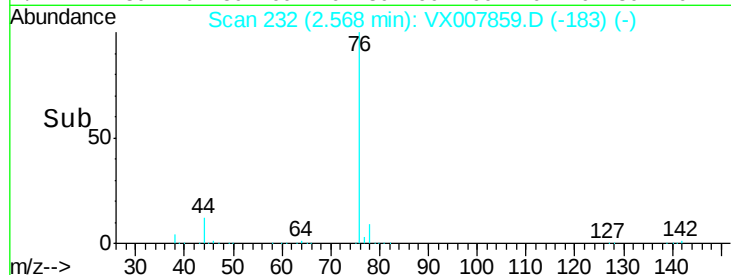
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 49.457 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX007859.D

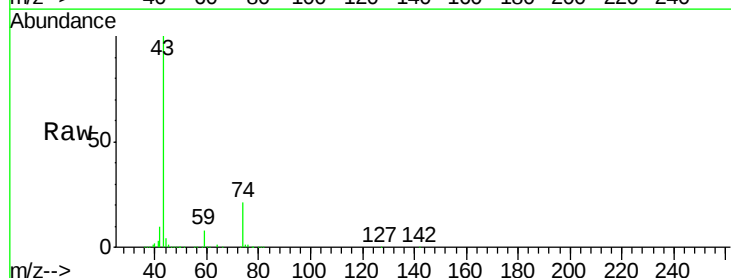
Acq: 06 Mar 2019 13:39

Tgt Ion: 43 Resp: 235120

Ion Ratio Lower Upper

43 100

74 22.2 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

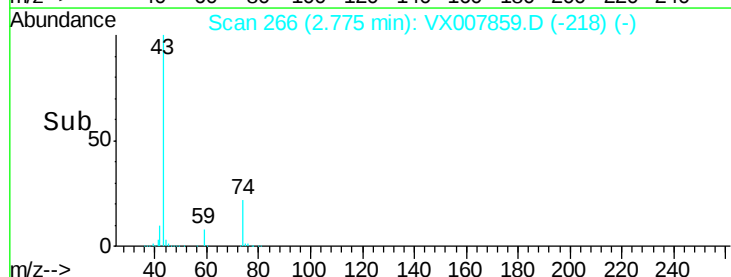
150000

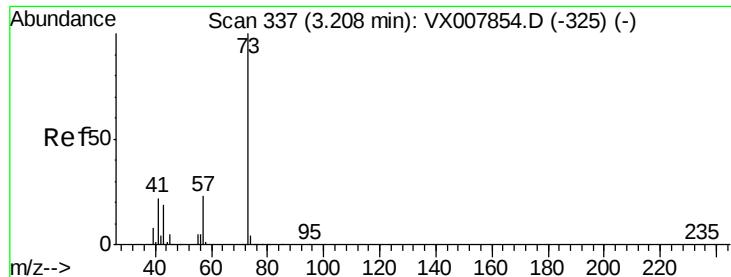
100000

50000

0

Time-->





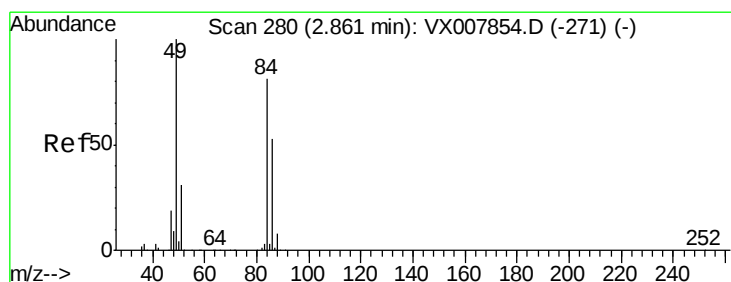
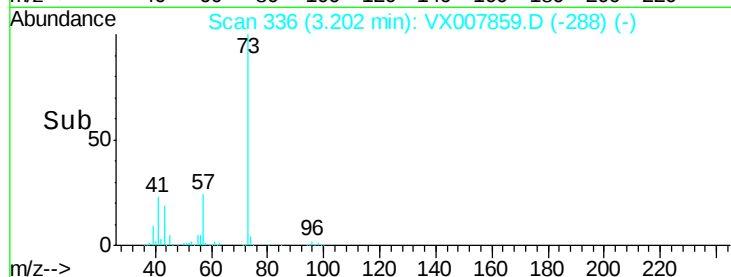
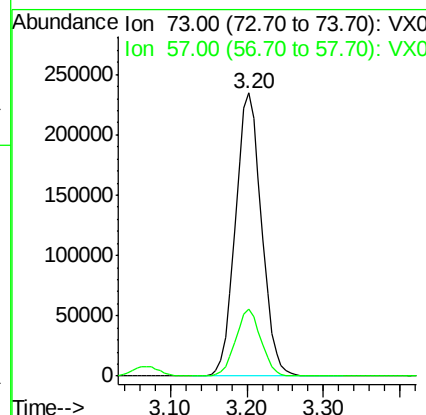
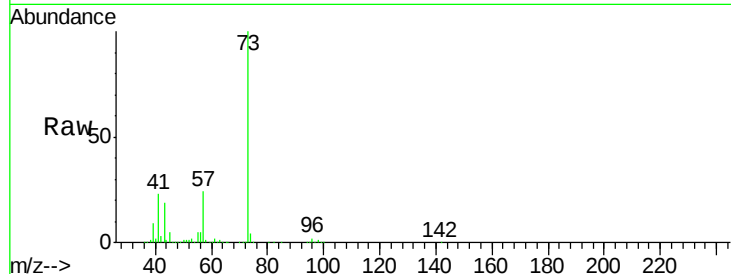
#19
Methyl tert-butyl Ether
Concen: 51.479 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX007859.D
Acq: 06 Mar 2019 13:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX030619

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.5	18.2	27.4

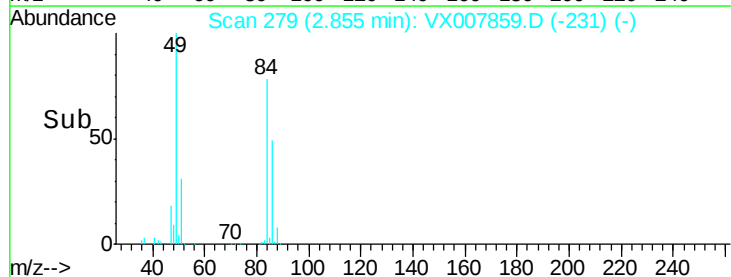
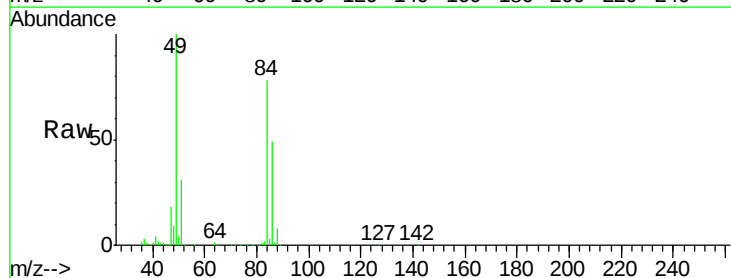
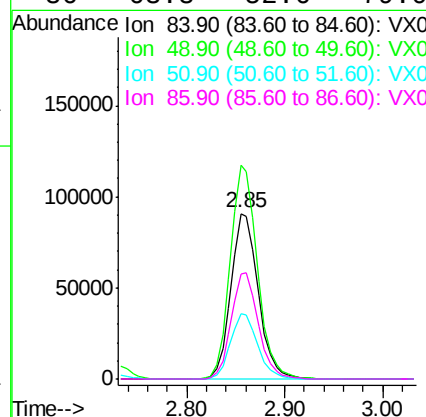
Manual Integrations
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#20
Methylene Chloride
Concen: 49.517 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007859.D
Acq: 06 Mar 2019 13:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.0	99.3	148.9
51	39.6	31.3	46.9
86	63.8	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 49.889 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Instrument :

MSVOA_X

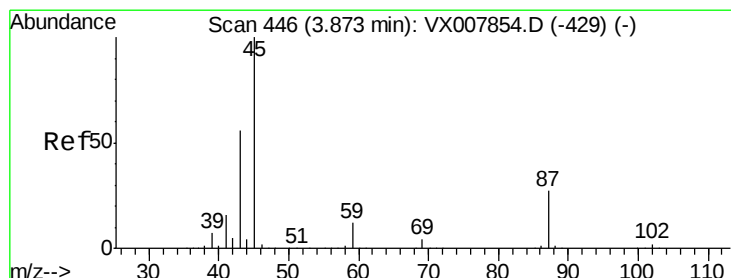
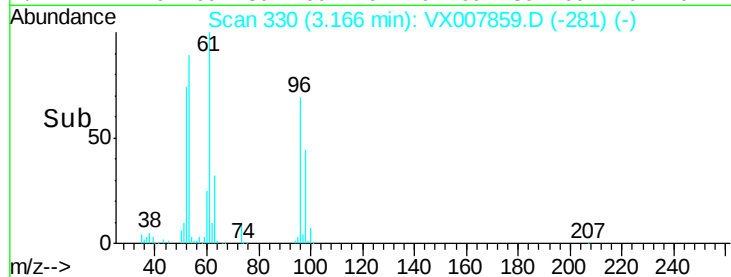
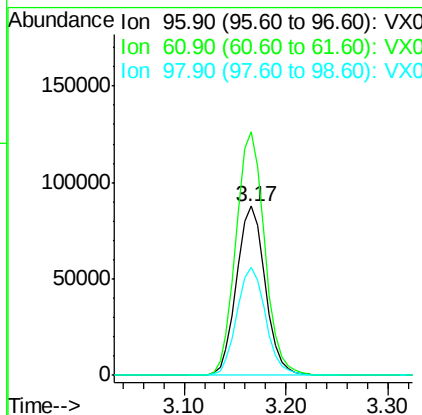
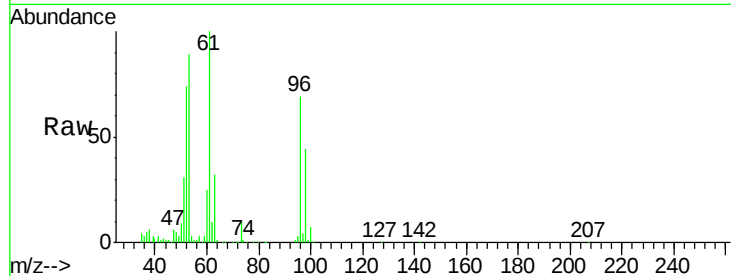
ClientSampleId :

ICVVX030619

Tot Ion:	96	Resp:	171170
Ion	Ratio	Lower	Upper
96	100		
61	143.9	114.4	171.6
98	63.7	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.544 ug/l

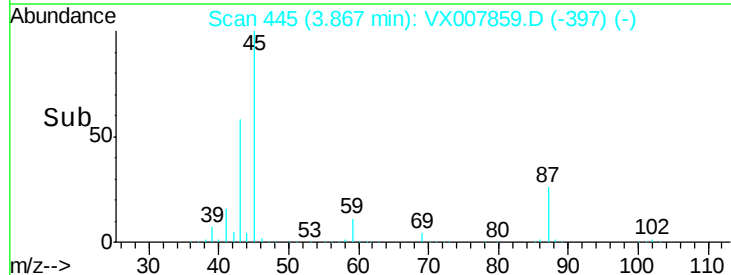
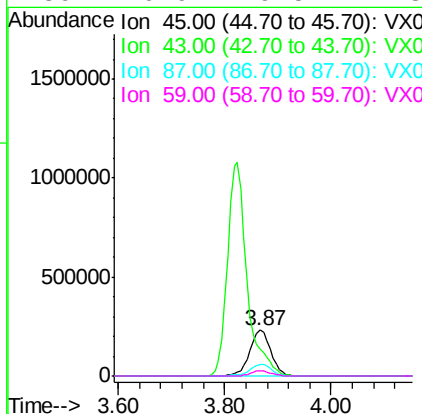
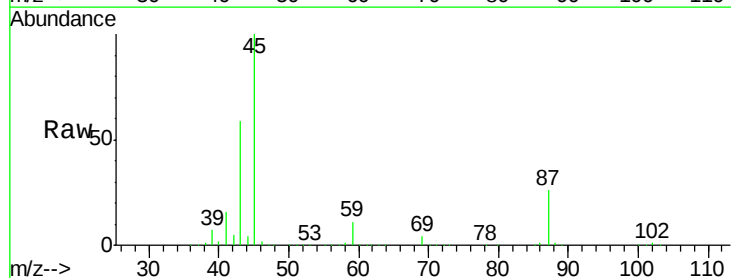
RT: 3.87 min Scan# 445

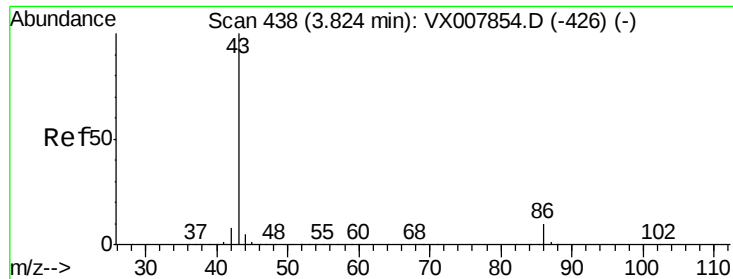
Delta R.T. -0.01 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Tgt Ion:	45	Resp:	631112
Ion	Ratio	Lower	Upper
45	100		
43	58.5	45.3	67.9
87	25.8	21.4	32.0
59	10.9	9.5	14.3





#23

Vinyl Acetate

Concen: 264.084 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX030619

Tot Ion: 43 Resp: 2781553

Ion Ratio Lower Upper

43 100

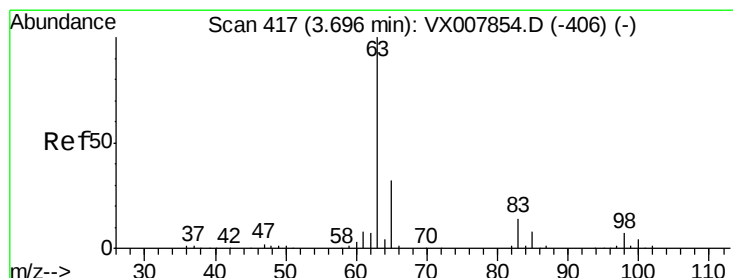
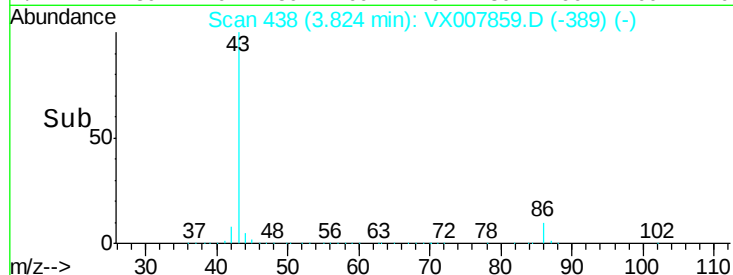
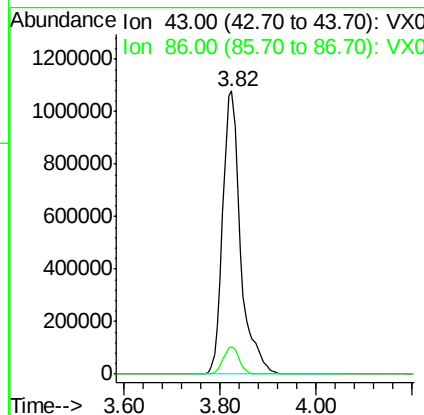
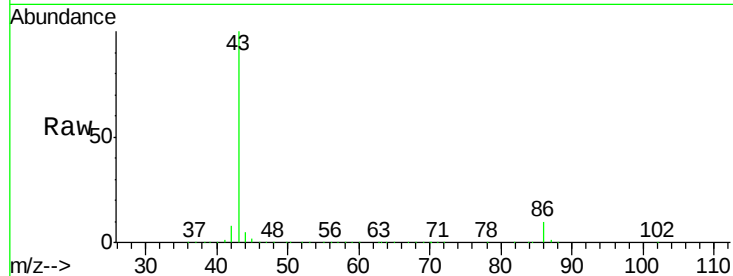
86 9.6 7.9 11.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.848 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

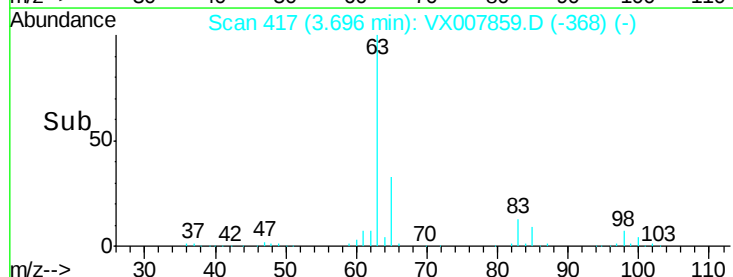
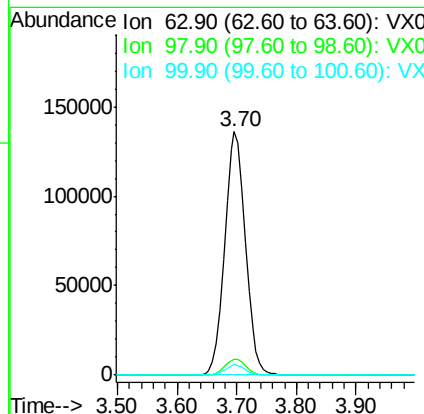
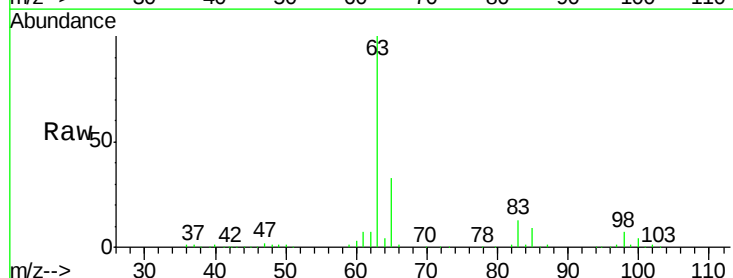
Tgt Ion: 63 Resp: 328670

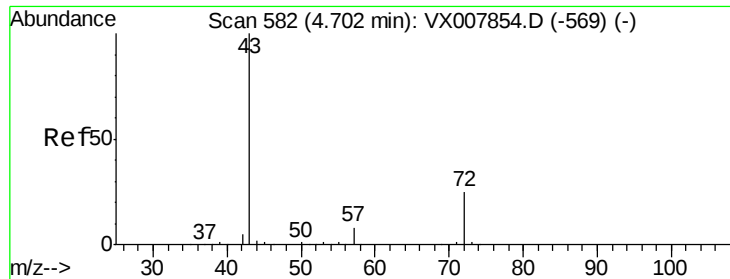
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 4.2 2.3 6.8





#25

2-Butanone

Concen: 248.555 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX030619

Tot Ion: 43 Resp: 787451

Ion Ratio Lower Upper

43 100

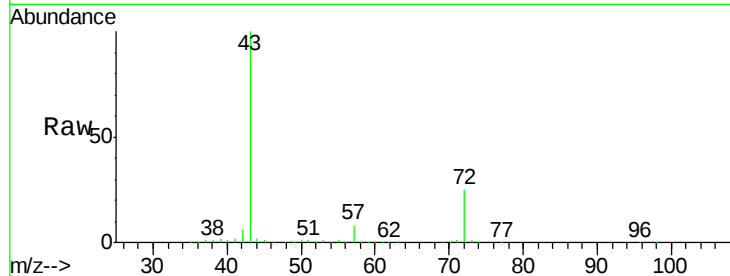
72 25.1 19.9 29.9

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

300000

250000

200000

150000

100000

50000

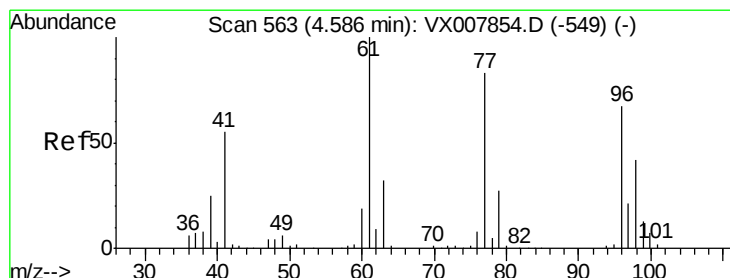
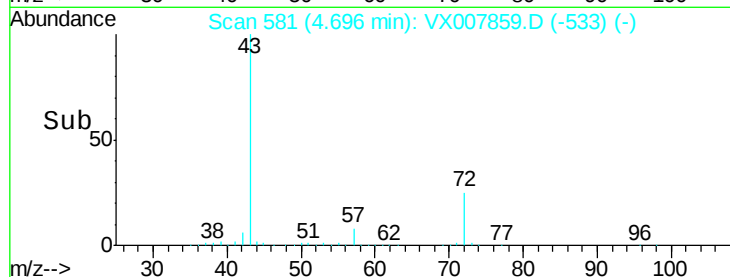
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 52.991 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX007859.D

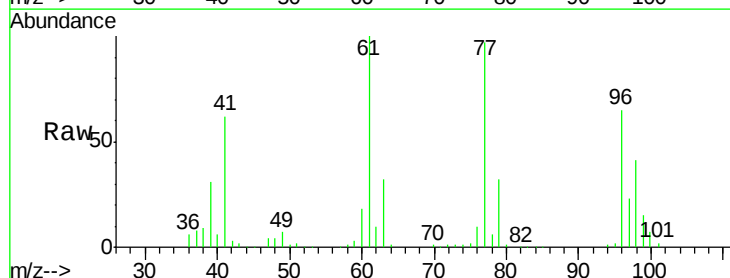
Acq: 06 Mar 2019 13:39

Tgt Ion: 77 Resp: 226924

Ion Ratio Lower Upper

77 100

97 24.4 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

80000

60000

40000

20000

0

4.40

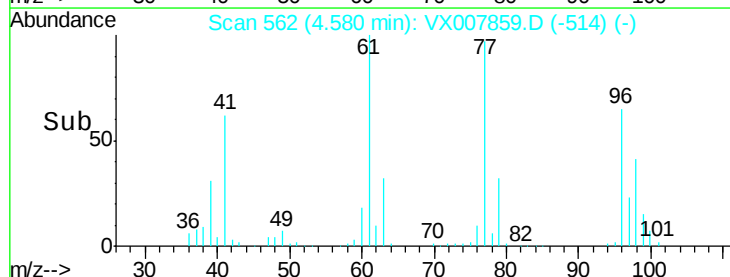
4.50

4.60

4.70

4.80

Time-->





#27

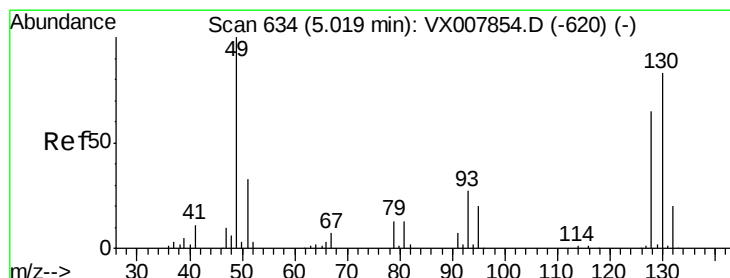
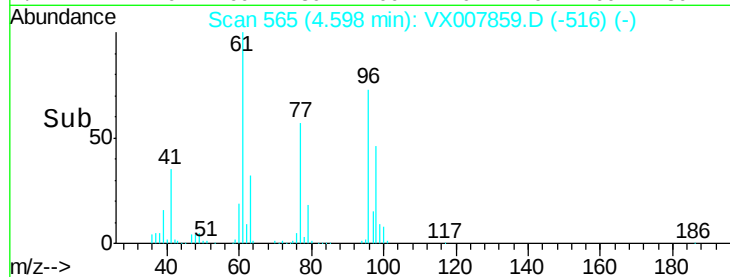
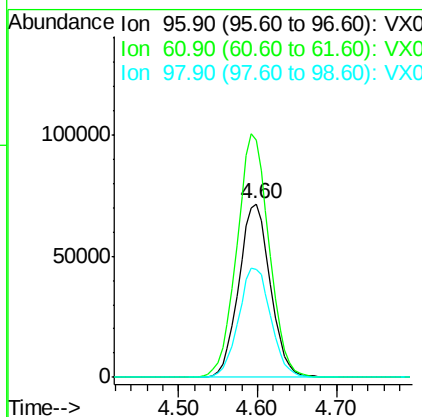
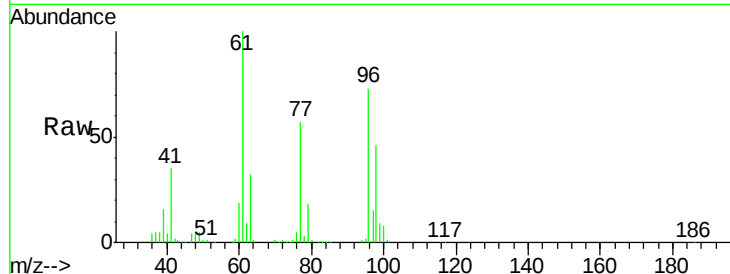
cis-1,2-Dichloroethene
Concen: 50.717 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007859.D
Acq: 06 Mar 2019 13:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX030619

Tot Ion	Ratio	Resp	Lower	Upper
96	100	199119		
61	144.0	0.0	288.0	
98	64.6	0.0	129.0	

Manual Integrations
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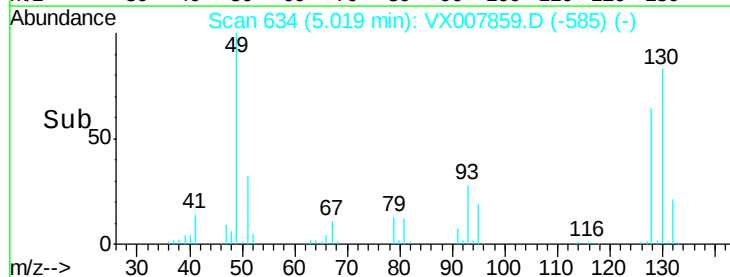
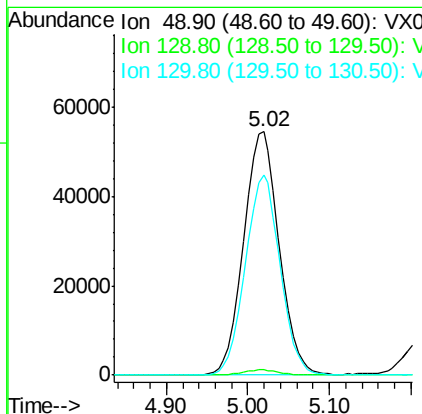
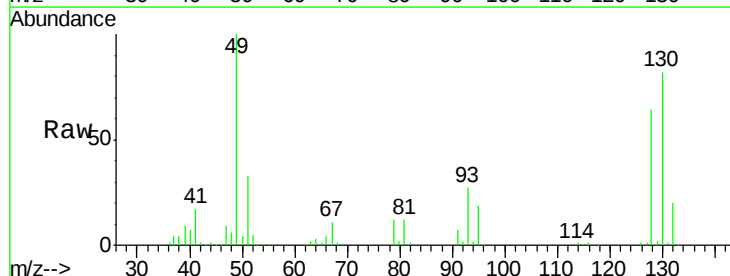
MMDadoda
3/7/2019 10:35:18 AM

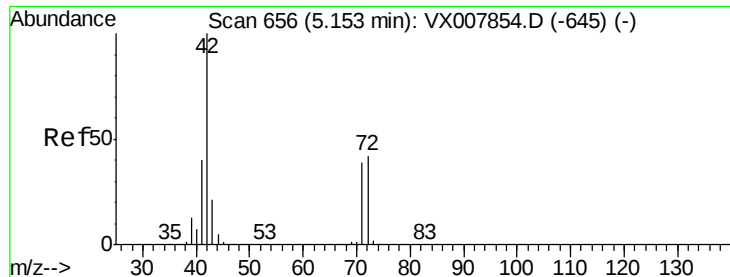


#28

Bromochloromethane
Concen: 54.817 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007859.D
Acq: 06 Mar 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	165189		
129	2.1	0.0	4.0	
130	80.6	65.0	97.4	





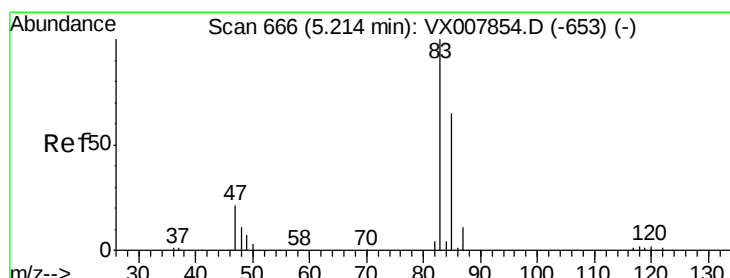
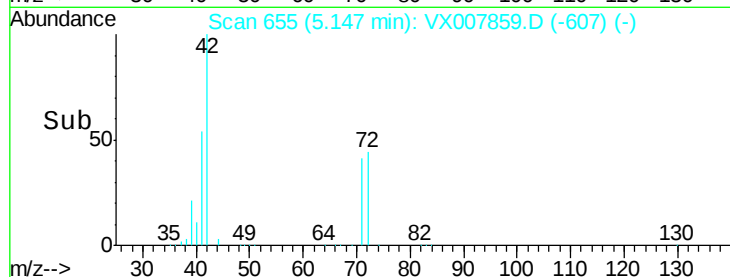
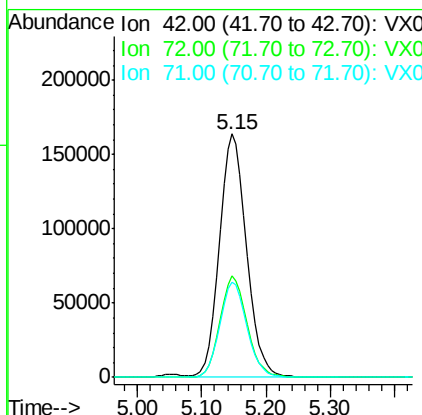
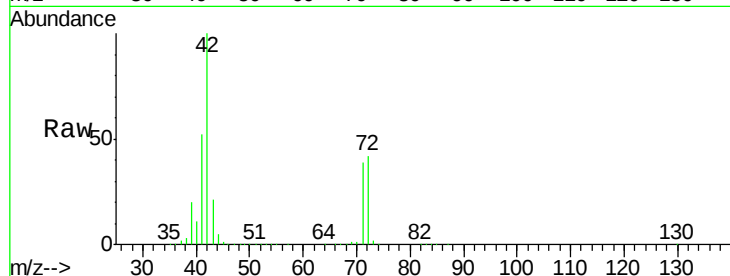
#29
Tetrahydrofuran
Concen: 245.347 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX007859.D
Acq: 06 Mar 2019 13:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX030619

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.8	50.6
71	39.3	31.5	47.3

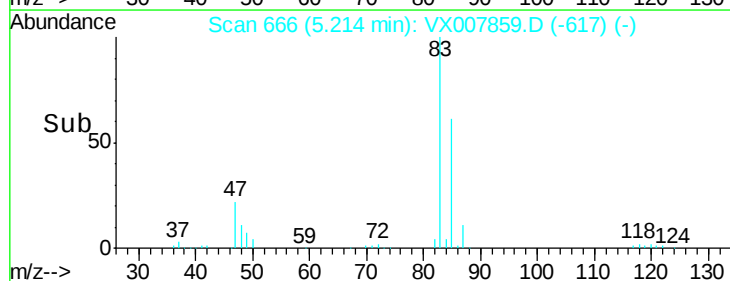
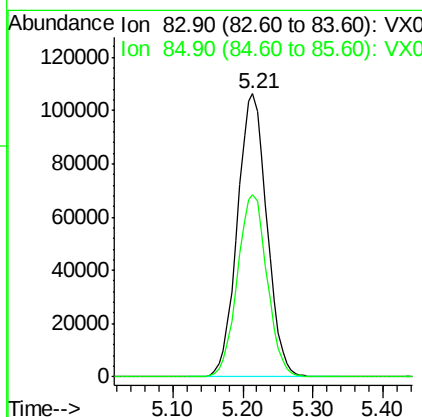
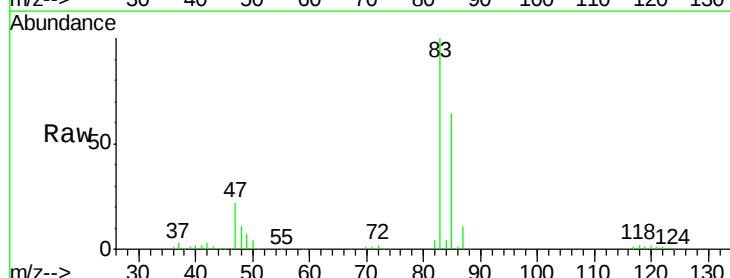
Manual Integrations
APPROVED

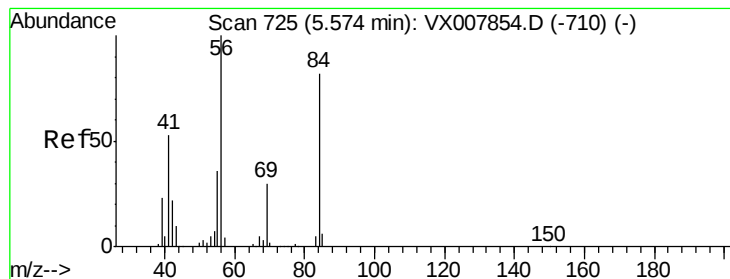
MMDadoda
3/7/2019 10:35:18 AM



#30
Chloroform
Concen: 50.975 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007859.D
Acq: 06 Mar 2019 13:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.8	77.6





#31

Cyclohexane

Concen: 53.900 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Instrument :

MSVOA_X

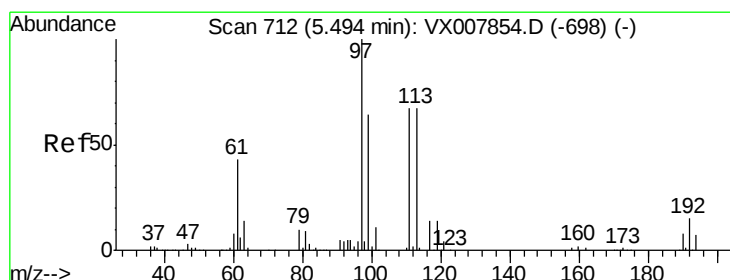
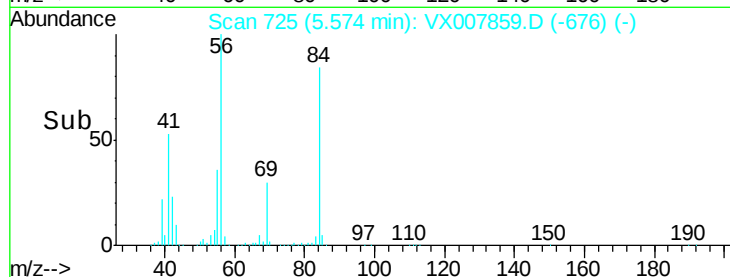
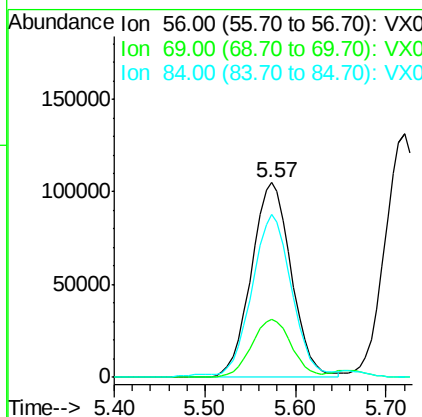
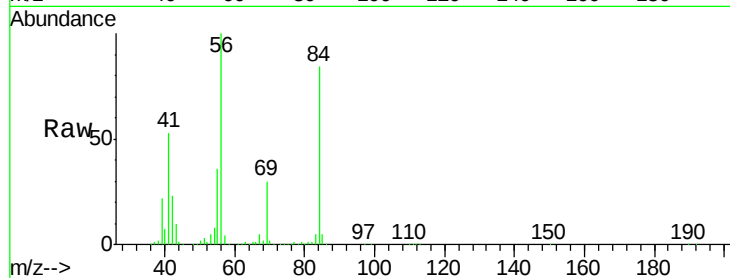
ClientSampleId :

ICVVX030619

Tot Ion:	56	Resp:	320199
Ion	Ratio	Lower	Upper
56	100		
69	29.8	24.0	36.0
84	82.7	65.3	97.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.079 ug/l

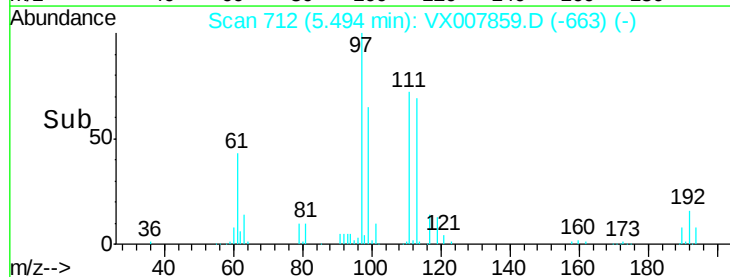
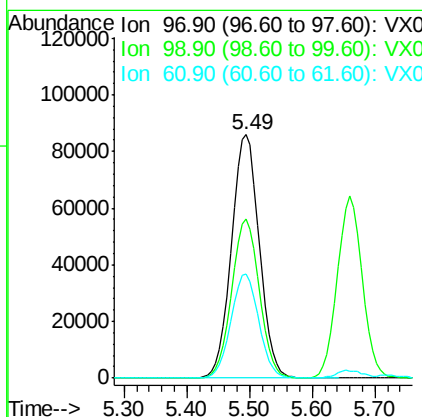
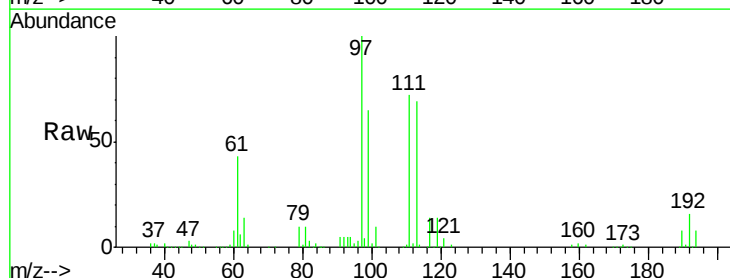
RT: 5.49 min Scan# 712

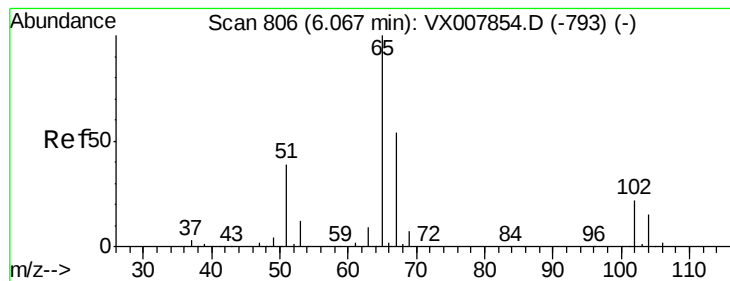
Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Tgt Ion:	97	Resp:	264202
Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.2	78.2
61	42.8	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 50.566 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX030619

Tot Ion: 65 Resp: 195498

Ion Ratio Lower Upper

65 100

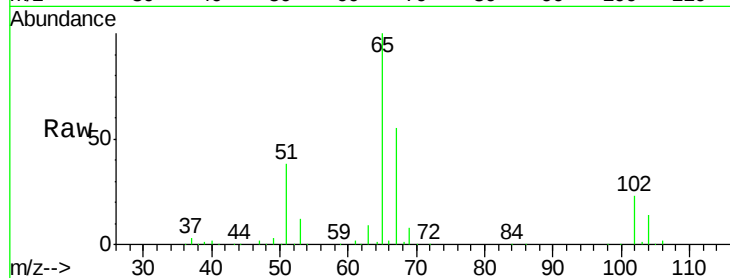
67 55.4 0.0 110.0

Manual Integrations

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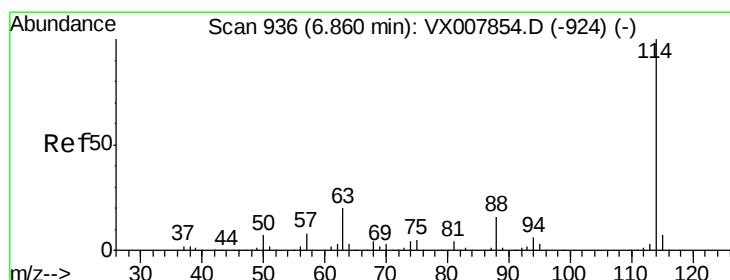
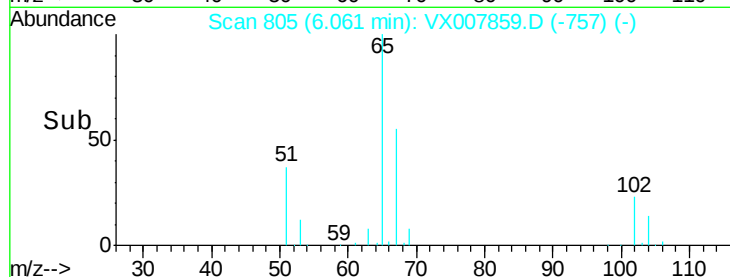
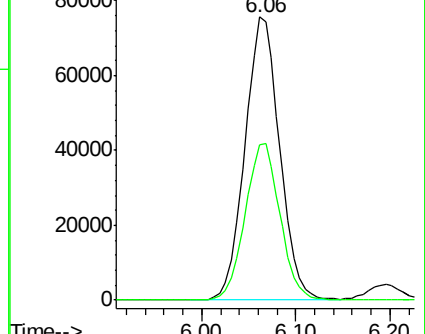
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

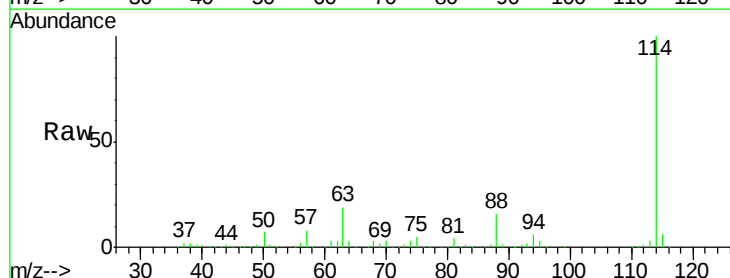
Tgt Ion: 114 Resp: 519714

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.8

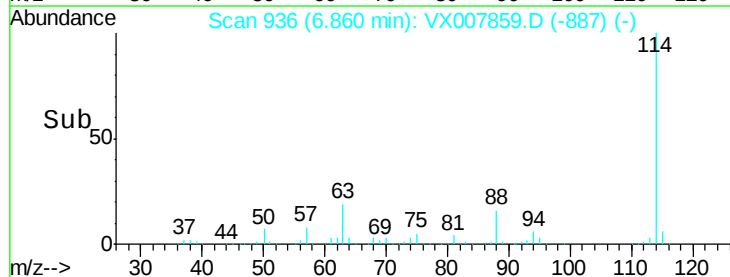
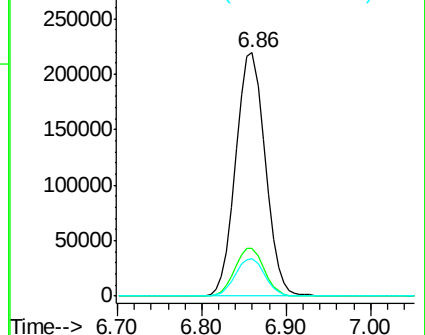
88 15.5 0.0 31.4

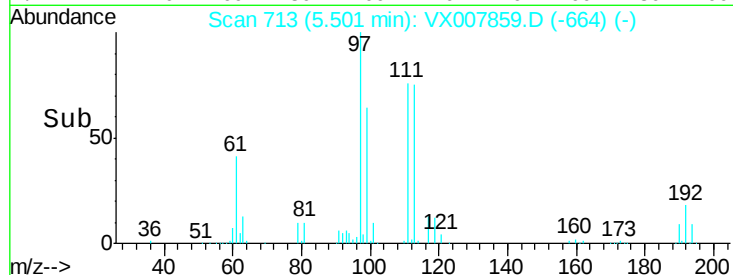
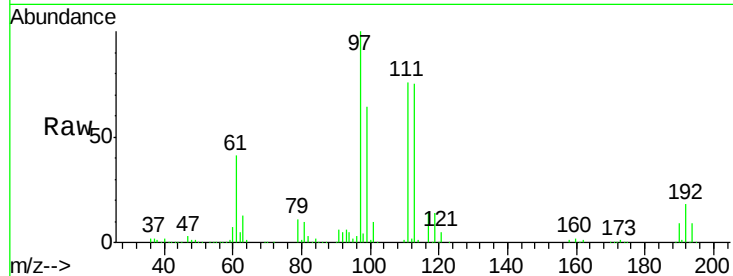
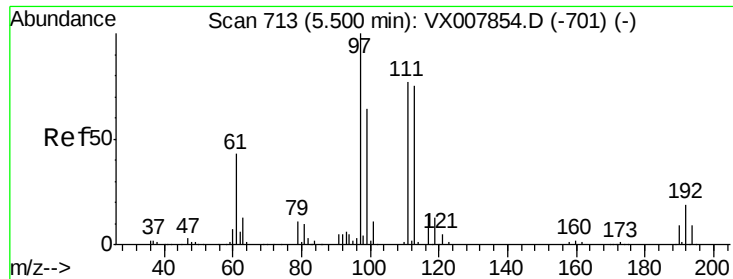


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





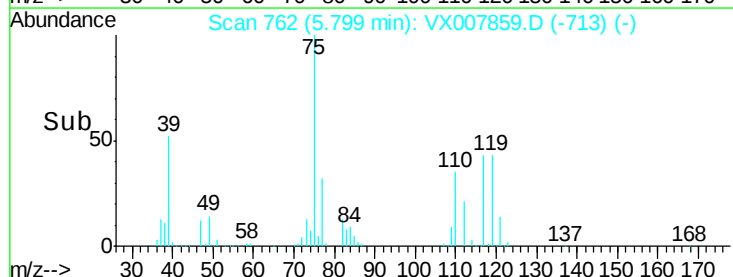
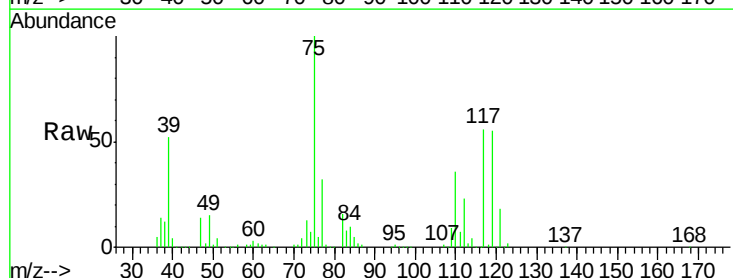
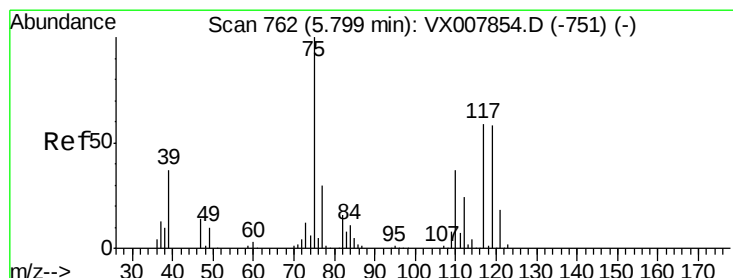
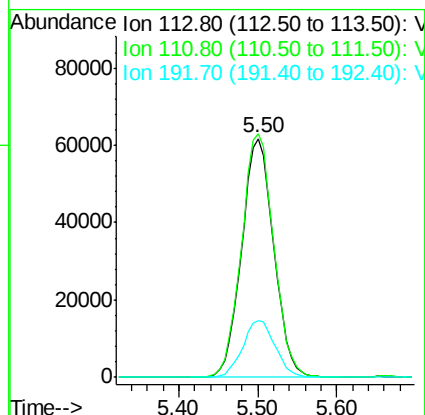
#35
Dibromofluoromethane
Concen: 52.483 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX007859.D
Acq: 06 Mar 2019 13:39

Tot Ion	Ratio	Resp	Lower	Upper
113	100	174478		
111	102.8	81.4	122.0	
192	24.1	19.4	29.0	

Instrument :
MSVOA_X
ClientSampleId :
ICVVX030619

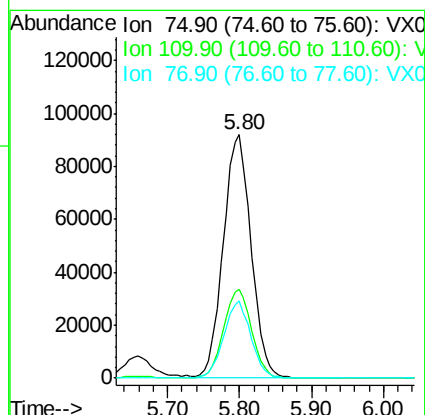
Manual Integrations
APPROVED

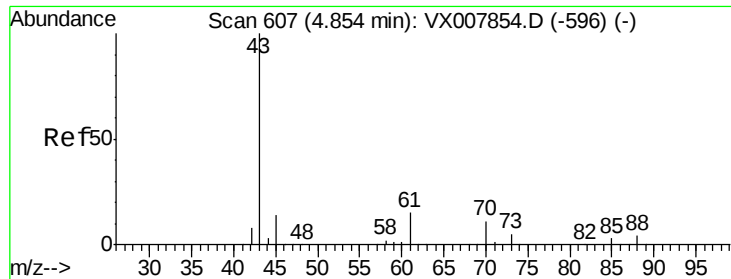
MMDadoda
3/7/2019 10:35:18 AM



#36
1,1-Dichloropropene
Concen: 52.423 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX007859.D
Acq: 06 Mar 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	246699		
110	36.8	18.4	55.0	
77	31.1	25.0	37.4	





#37

Ethyl Acetate

Concen: 49.920 ug/l

RT: 4.85 min Scan# 606

Delta R.T. -0.01 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Instrument :

MSVOA_X

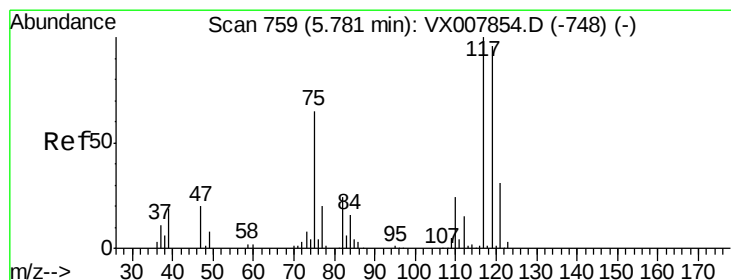
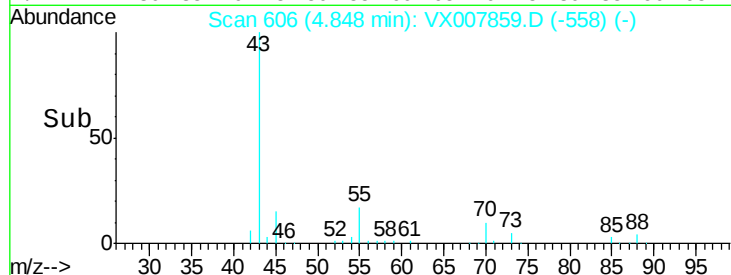
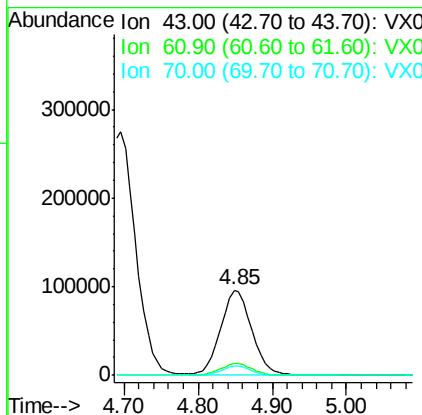
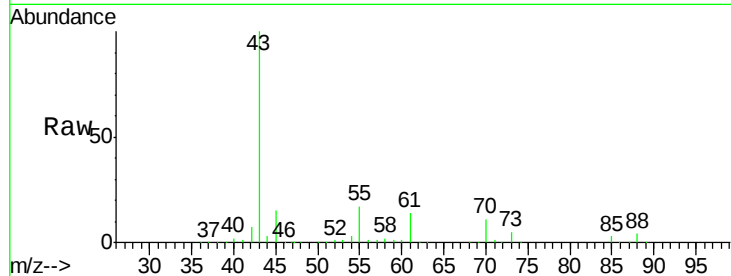
ClientSampled :

ICVVX030619

Tot Ion:	43	Resp:	278778
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.3	16.9
70	10.6	8.5	12.7

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 53.556 ug/l

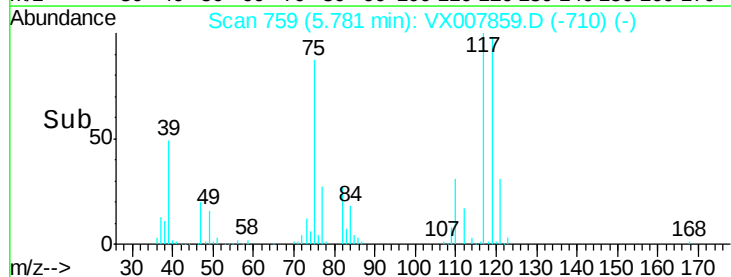
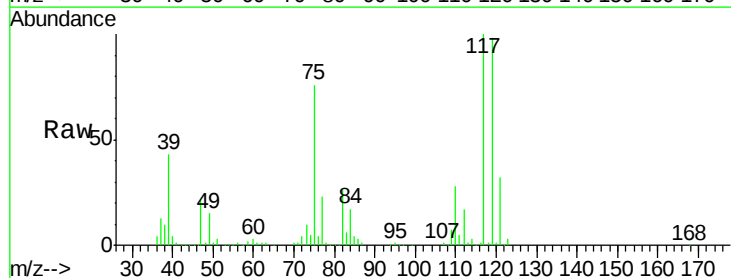
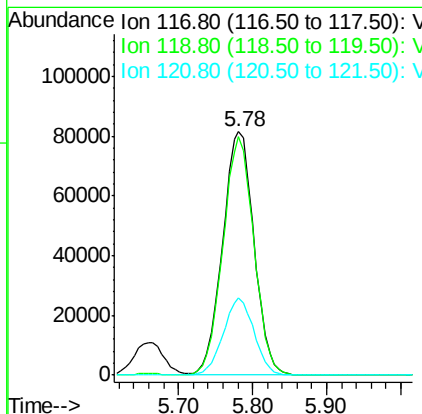
RT: 5.78 min Scan# 759

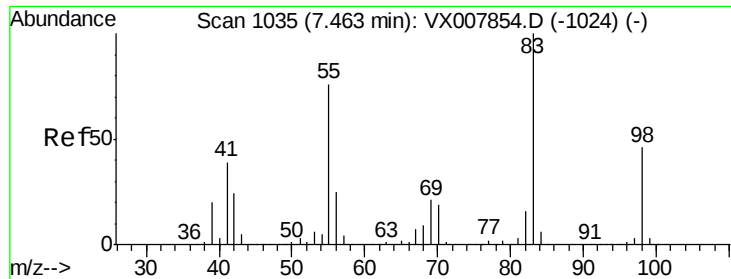
Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Tgt Ion:	117	Resp:	239267
Ion	Ratio	Lower	Upper
117	100		
119	97.9	76.2	114.2
121	31.9	24.6	36.8





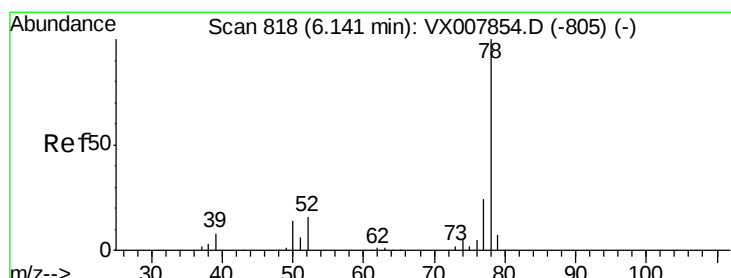
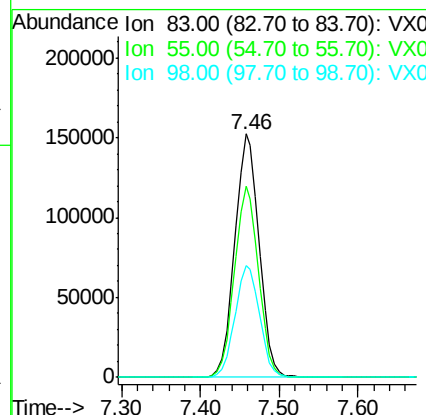
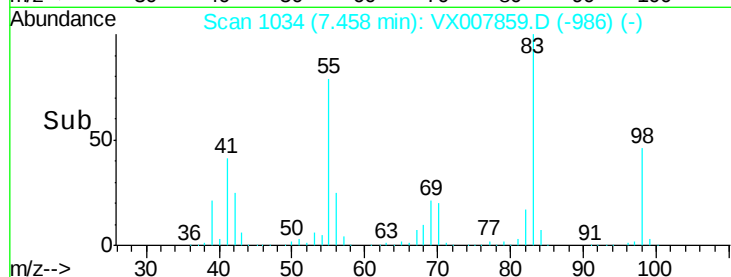
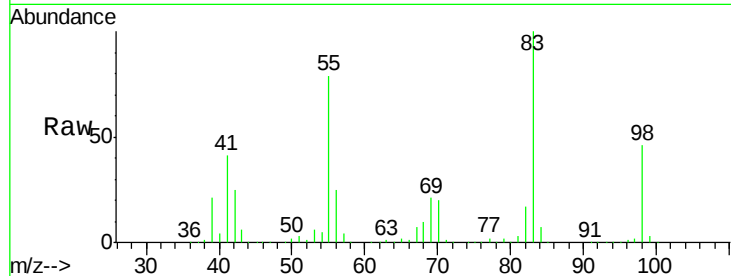
#39
Methvlcvclohexane
Concen: 57.115 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007859.D
Acq: 06 Mar 2019 13:39

Instrument :
MSVOA_X
ClientSampled :
ICVVX030619

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.7	60.4	90.6	
98	45.9	36.5	54.7	

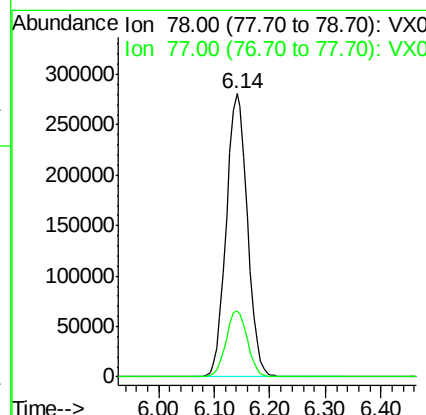
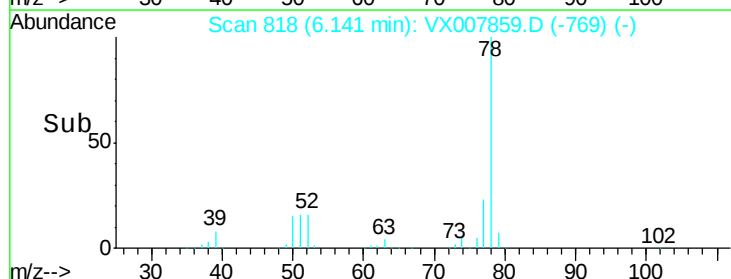
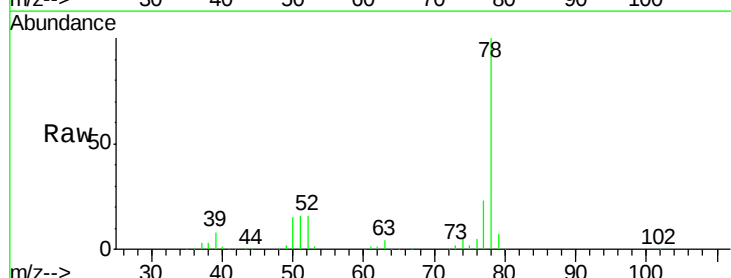
Manual Integrations
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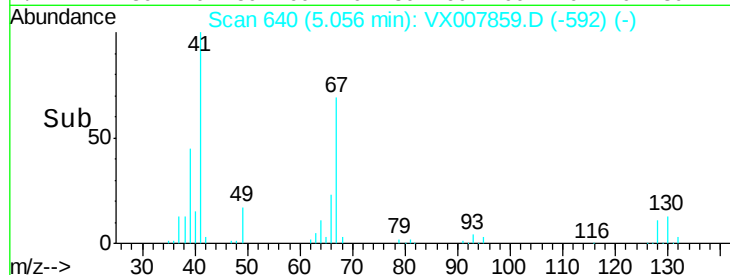
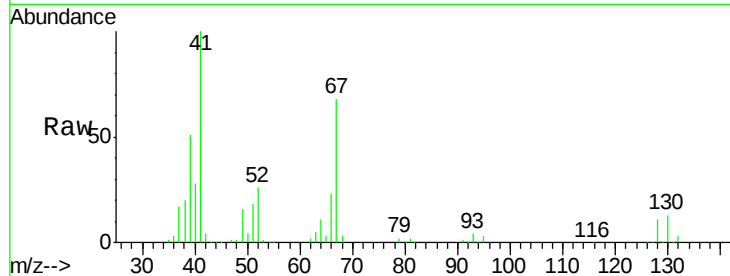
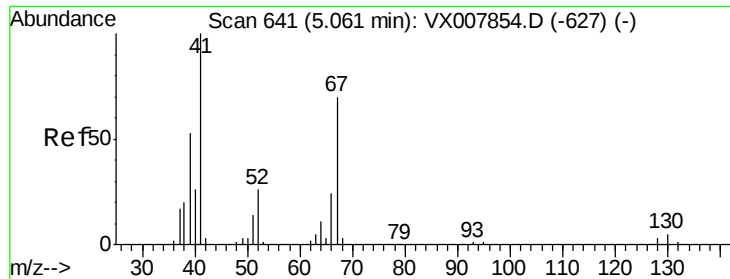
MMDadoda
3/7/2019 10:35:18 AM



#40
Benzene
Concen: 52.690 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007859.D
Acq: 06 Mar 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.3	19.0	28.4	





#41

Methacrylonitrile

Concen: 51.757 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.8	41.6	62.4	
67	69.3	55.8	83.6	
52	27.9	21.7	32.5	

Instrument :

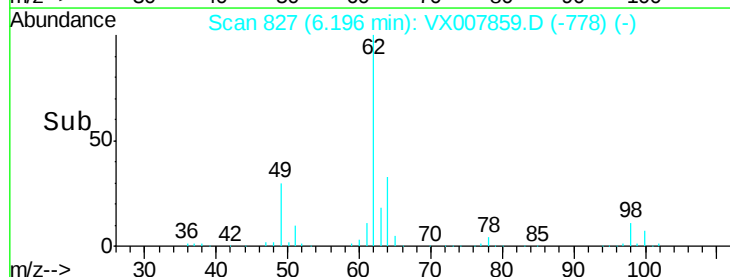
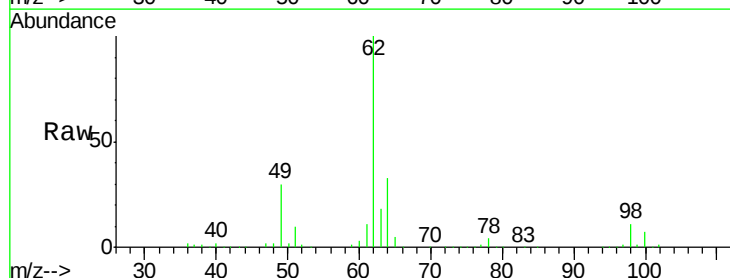
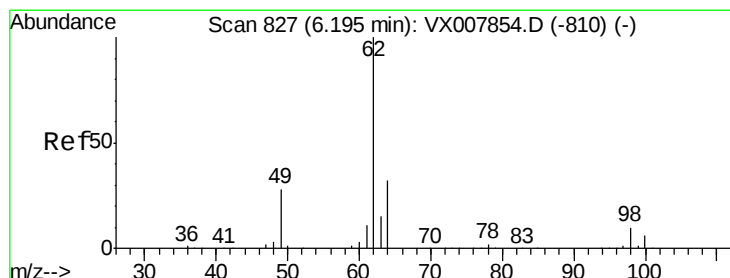
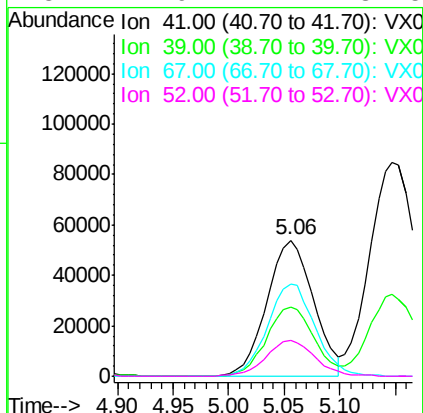
MSVOA_X

ClientSampleId :

ICVVX030619

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:35:18 AM



#42

1,2-Dichloroethane

Concen: 51.537 ug/l

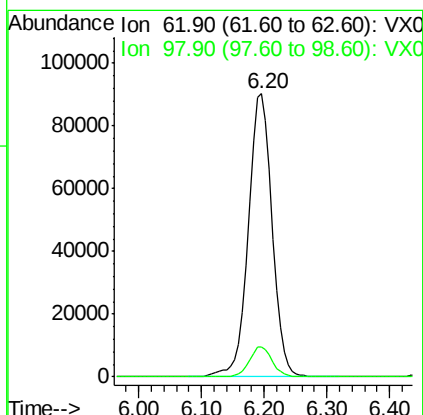
RT: 6.20 min Scan# 827

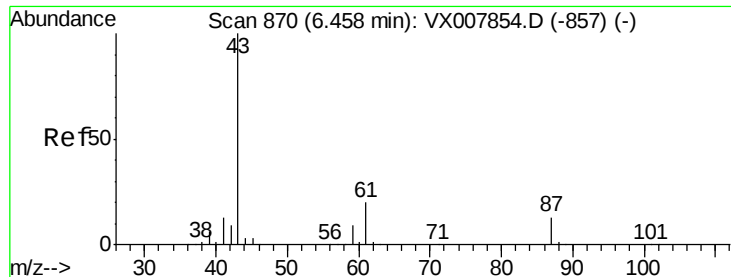
Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

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





#43

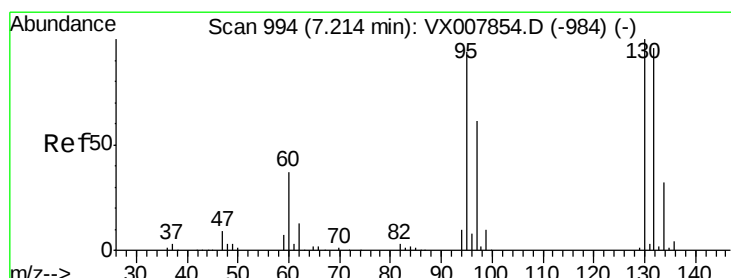
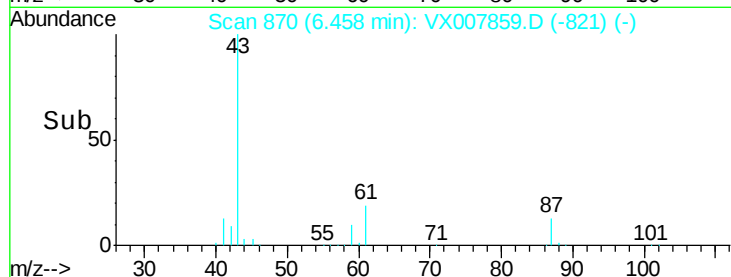
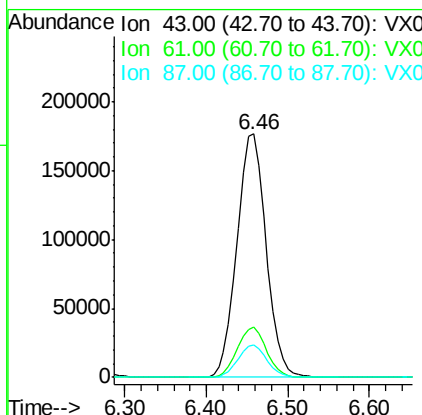
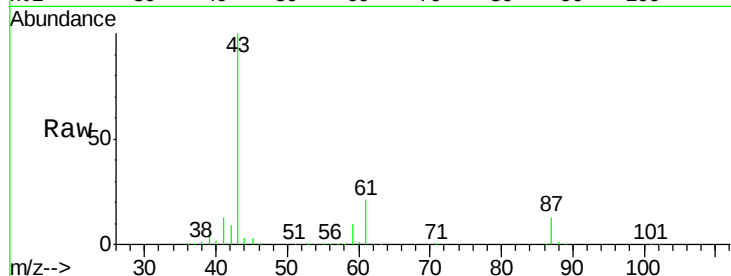
Isopropyl Acetate
 Concen: 52.937 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX007859.D
 Acq: 06 Mar 2019 13:39

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX030619

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.3	24.5
87	13.1	10.5	15.7

Manual Integrations
 APPROVED

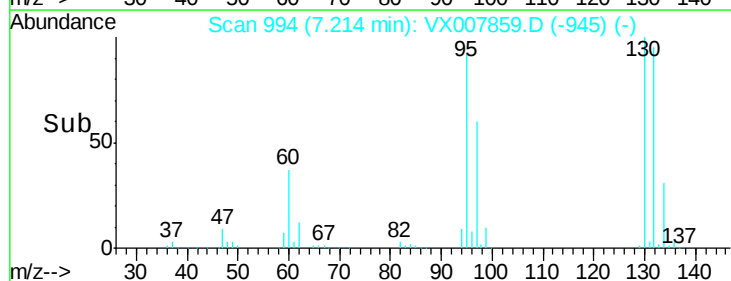
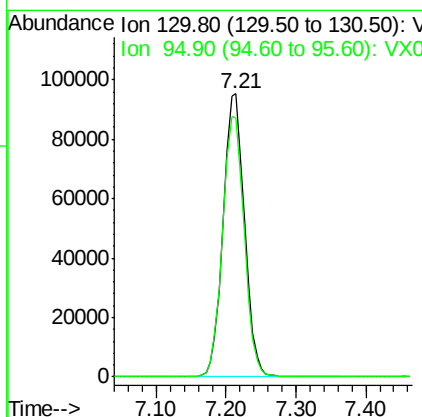
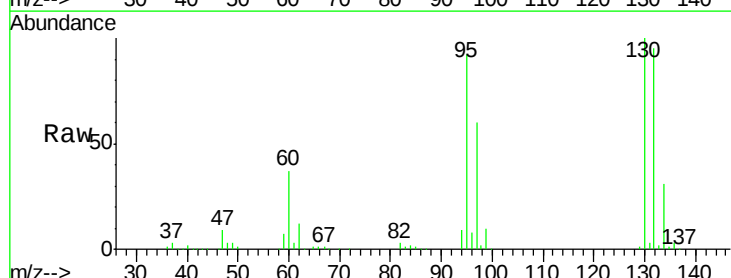
MMDadoda
 3/7/2019 10:35:18 AM

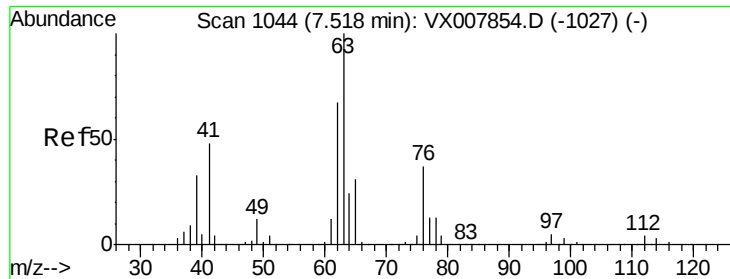


#44

Trichloroethene
 Concen: 52.561 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007859.D
 Acq: 06 Mar 2019 13:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	188.0





#45

1,2-Dichloropropane

Concen: 52.993 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Instrument :

MSVOA_X

ClientSampled :

ICVVX030619

Tot Ion: 63 Resp: 196088

Ion Ratio Lower Upper

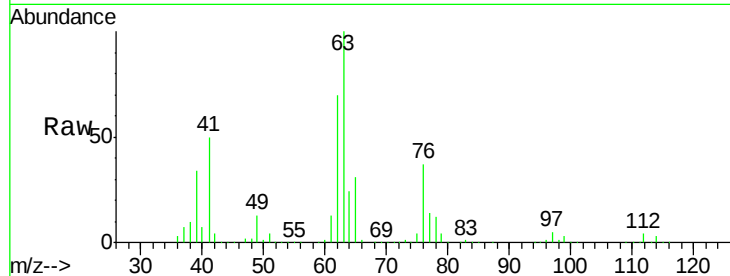
63 100

65 31.2 24.7 37.1

Manual Integrations
APPROVED

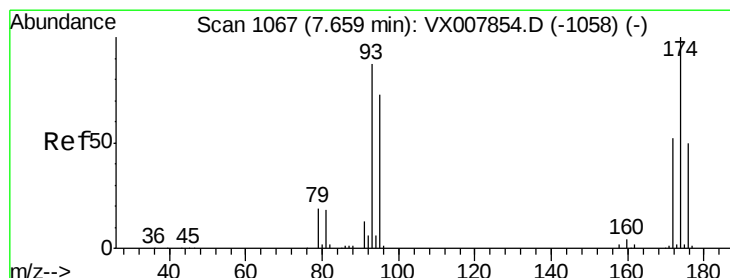
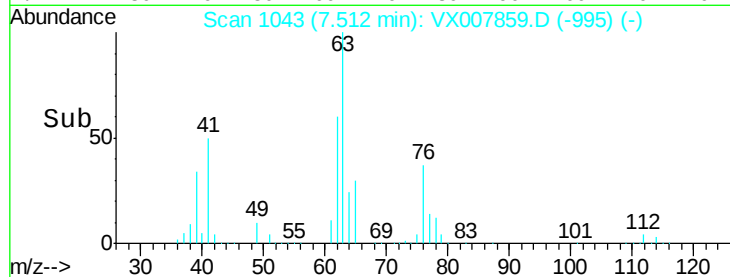
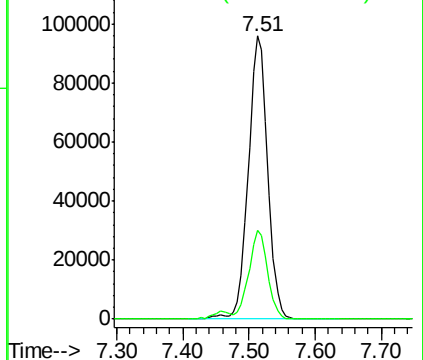
MMDadoda

3/7/2019 10:35:18 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 52.485 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

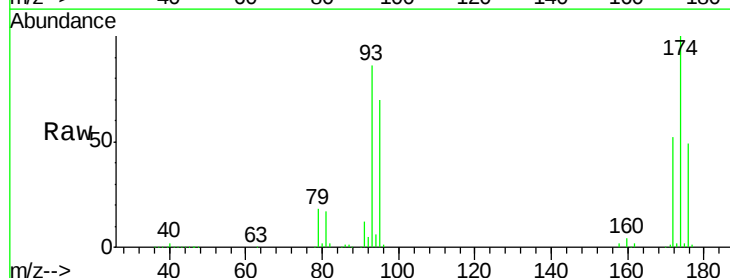
Tgt Ion: 93 Resp: 122903

Ion Ratio Lower Upper

93 100

95 82.8 66.8 100.2

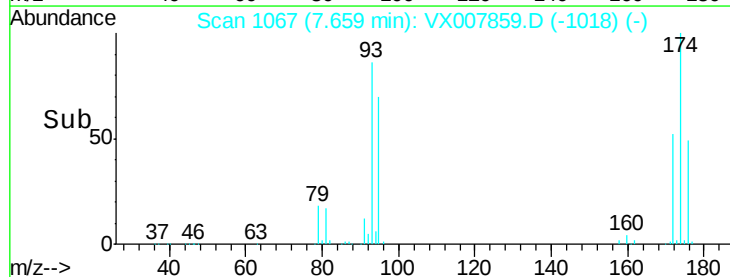
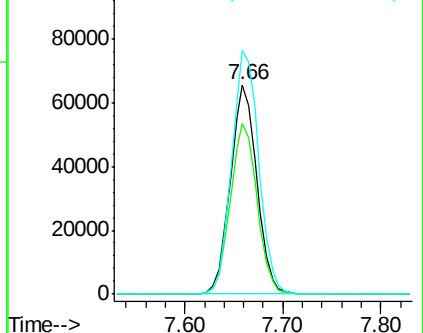
174 119.5 97.3 145.9

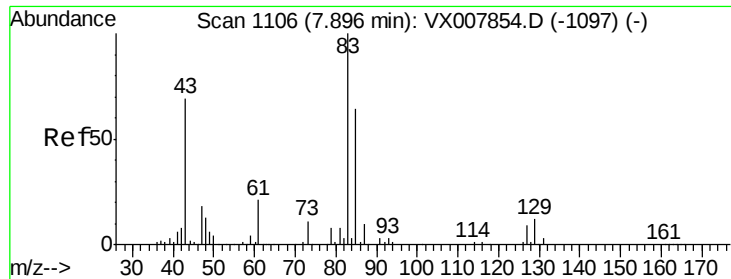


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 53.723 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX030619

Tot Ion: 83 Resp: 238518

Ion Ratio Lower Upper

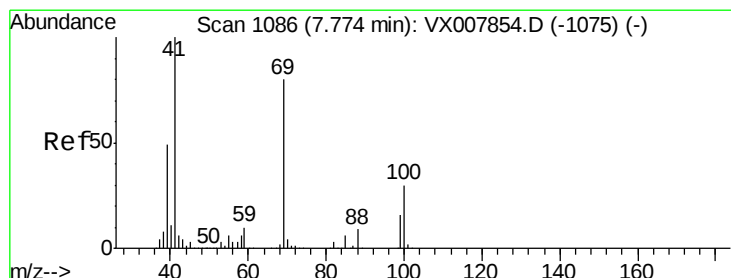
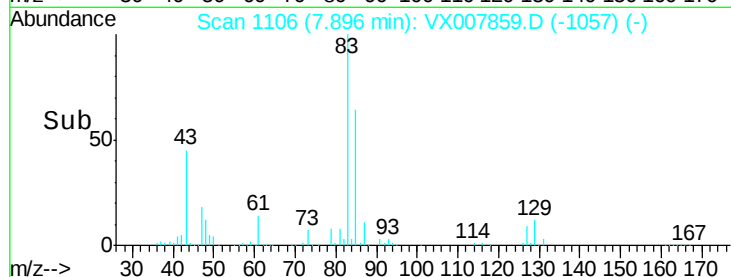
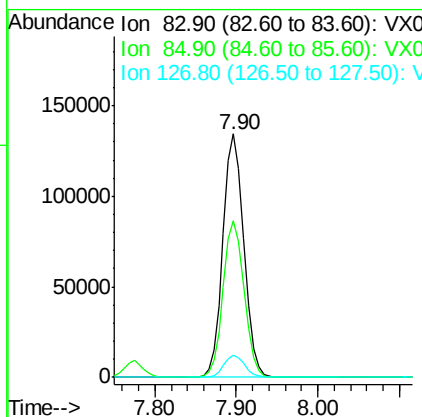
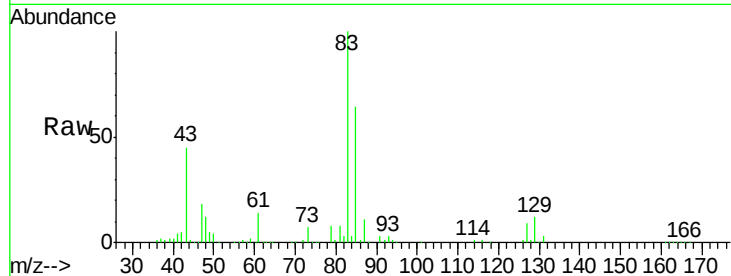
83 100

85 64.3 50.9 76.3

127 9.3 7.4 11.0

Manual Integrations
APPROVED

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3/7/2019 10:35:18 AM



#48

Methyl methacrylate

Concen: 52.731 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

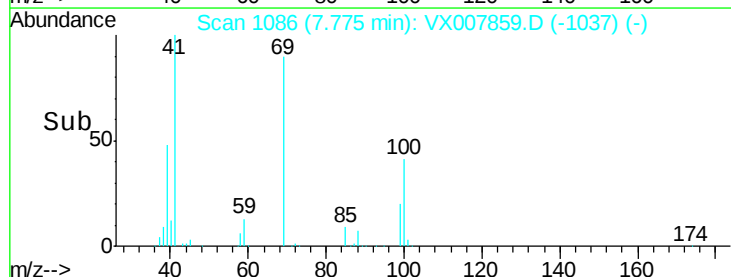
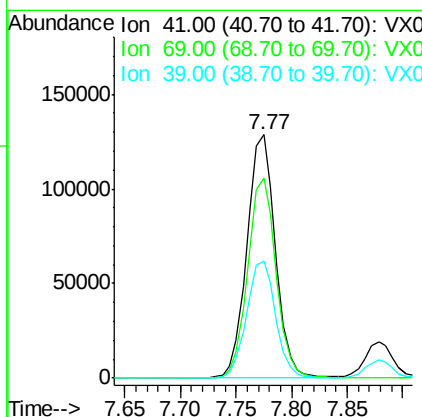
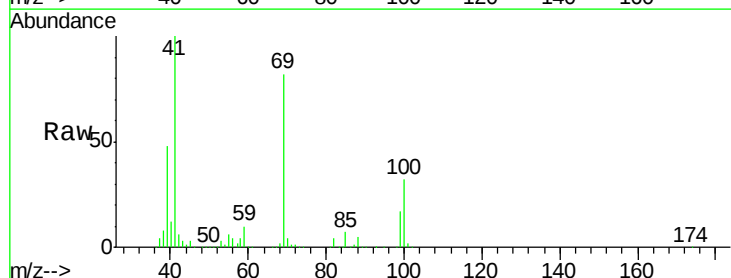
Tgt Ion: 41 Resp: 229131

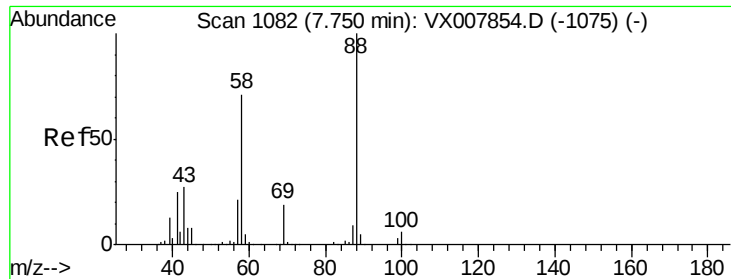
Ion Ratio Lower Upper

41 100

69 82.4 65.2 97.8

39 49.1 39.4 59.2





#49

1,4-Dioxane

Concen: 969.784 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Instrument :

MSVOA_X

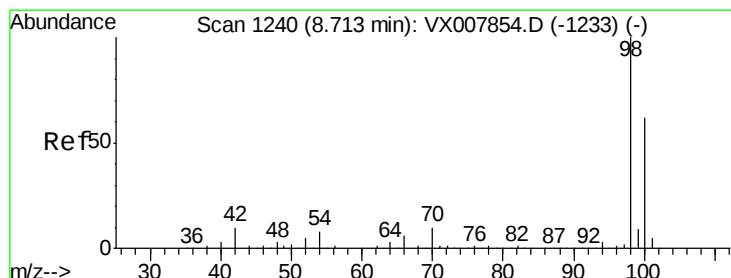
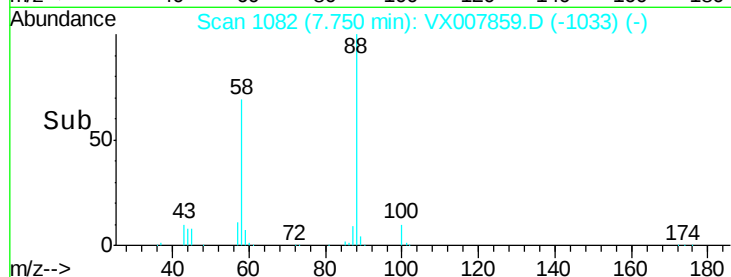
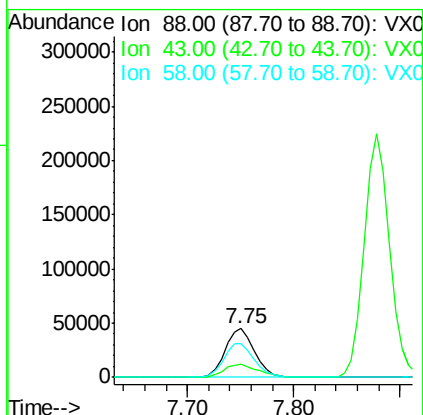
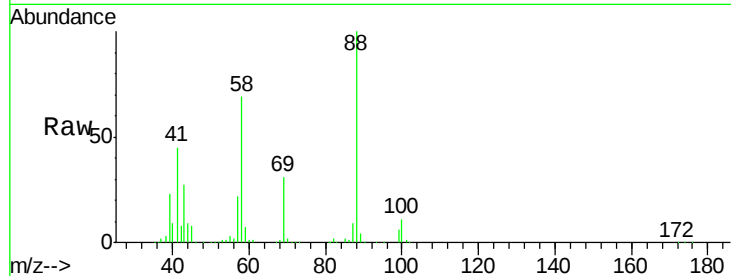
ClientSampled :

ICVVX030619

Tot Ion:	88	Resp:	86565
Ion	Ratio	Lower	Upper
88	100		
43	31.7	25.1	37.7
58	72.5	57.8	86.6

Manual Integrations
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#50

Toluene-d8

Concen: 54.651 ug/l

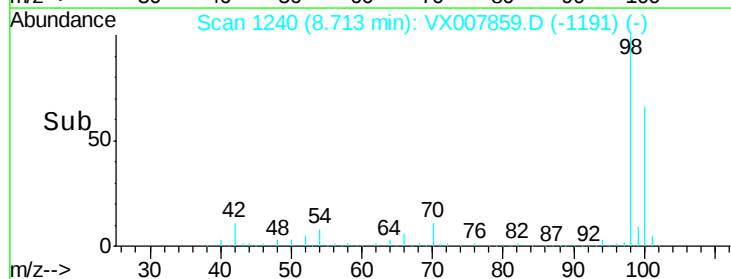
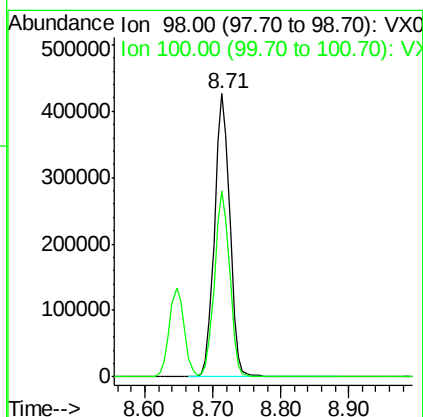
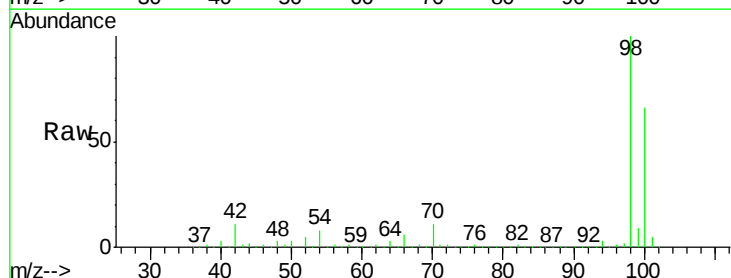
RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Tgt Ion:	98	Resp:	667246
Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 256.404 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX030619

Tot Ion: 43 Resp: 1362823

Ion Ratio Lower Upper

43 100

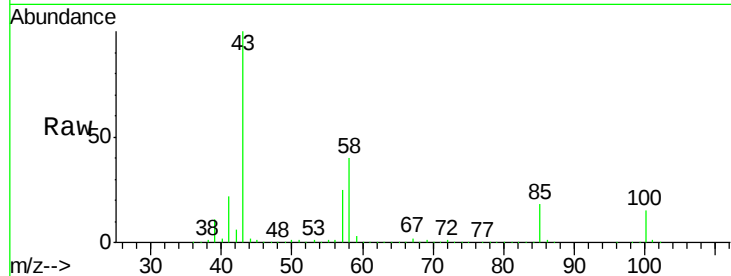
58 39.4 31.3 46.9

Manual Integrations

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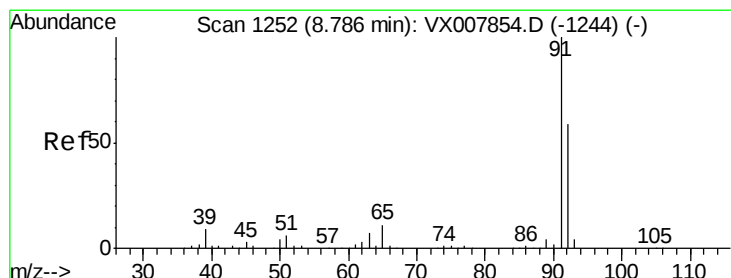
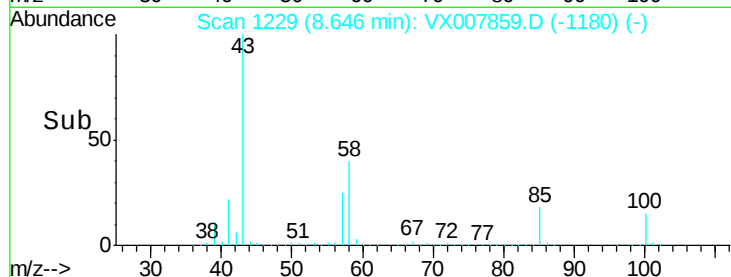
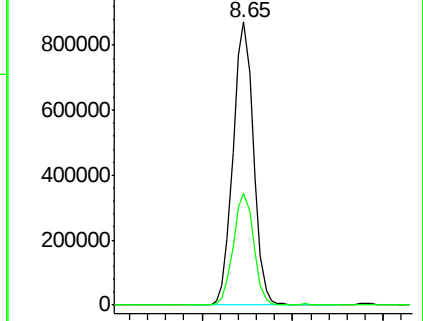
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3/7/2019 10:35:18 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 53.936 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007859.D

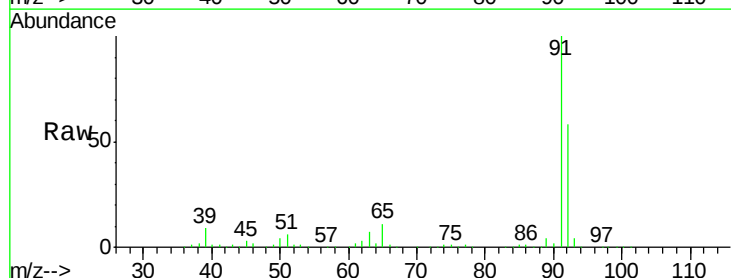
Acq: 06 Mar 2019 13:39

Tgt Ion: 92 Resp: 461330

Ion Ratio Lower Upper

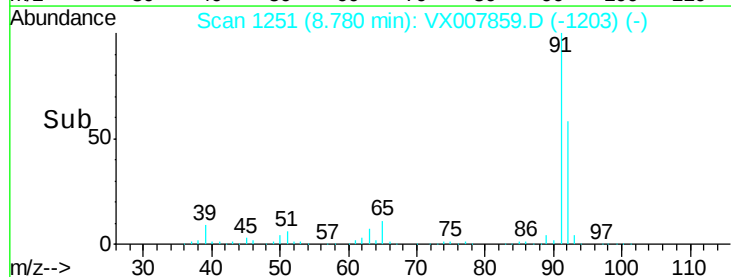
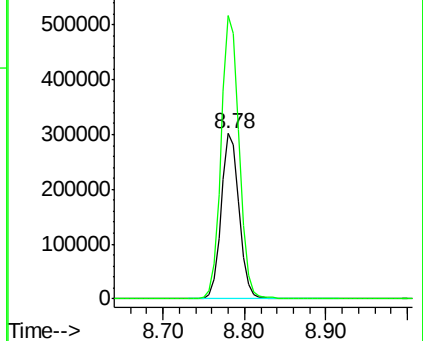
92 100

91 172.6 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





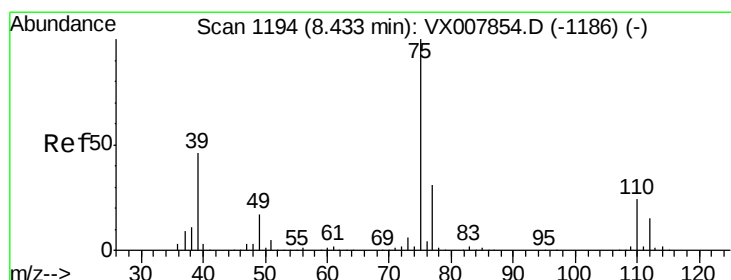
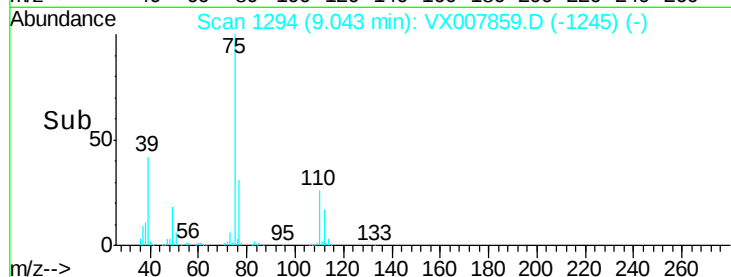
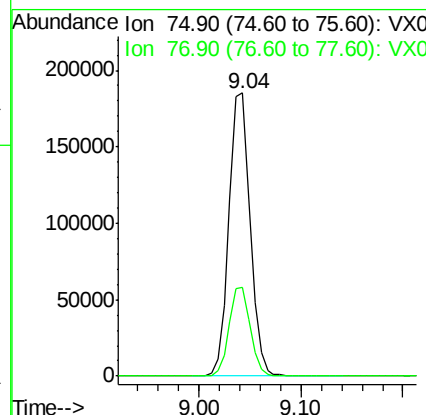
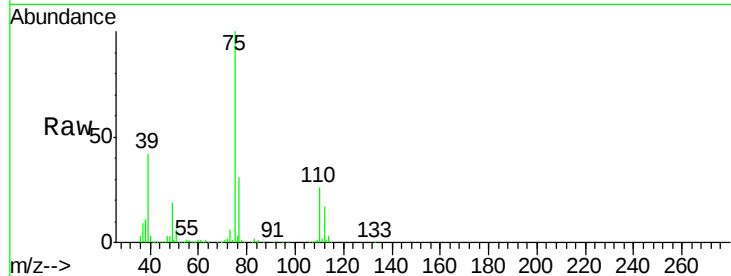
#53
t-1,3-Dichloropropene
Concen: 57.672 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007859.D
Acq: 06 Mar 2019 13:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX030619

Tot Ion: 75 Resp: 267248
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.0

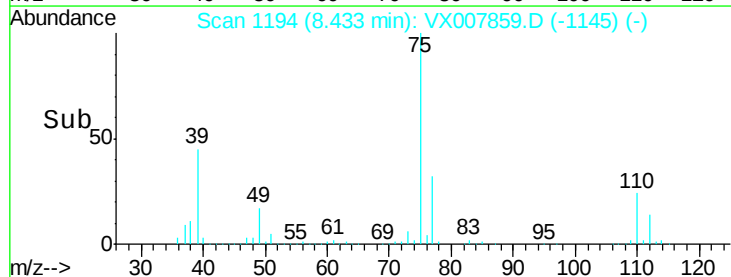
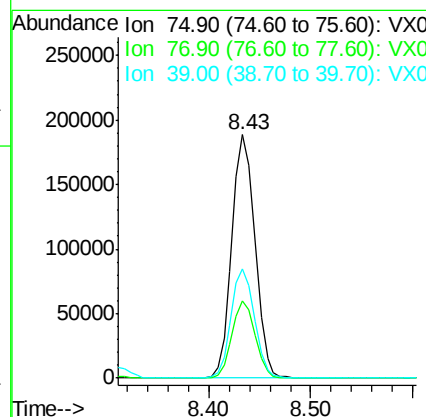
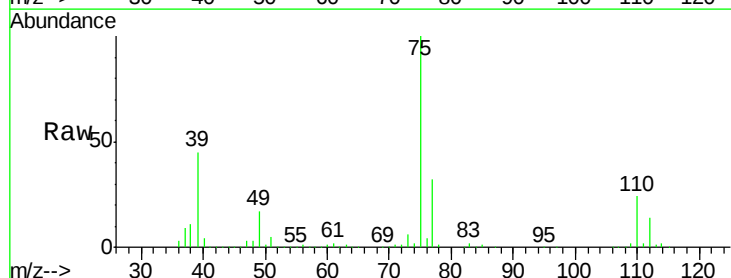
Manual Integrations
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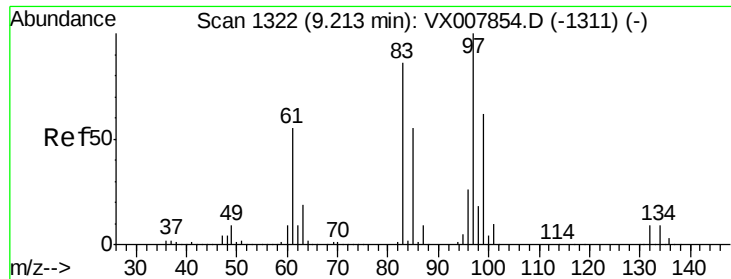
MMDadoda
3/7/2019 10:35:18 AM



#54
cis-1,3-Dichloropropene
Concen: 56.696 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007859.D
Acq: 06 Mar 2019 13:39

Tgt Ion: 75 Resp: 296686
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.6
39 44.8 36.6 54.8





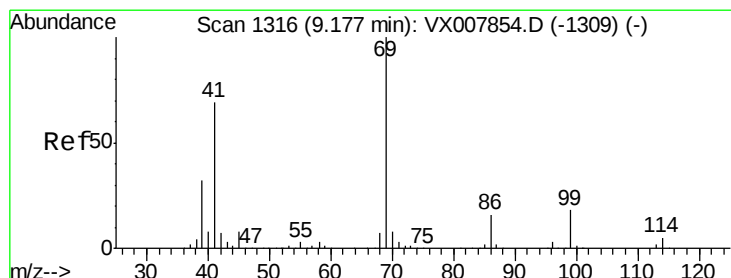
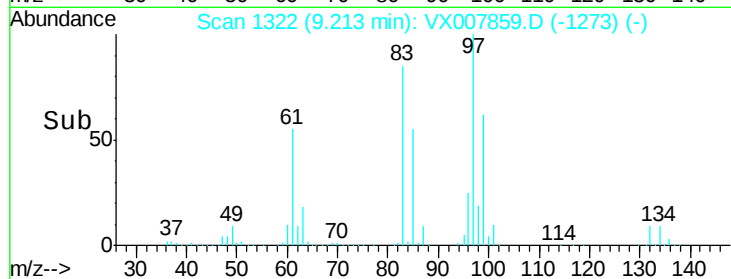
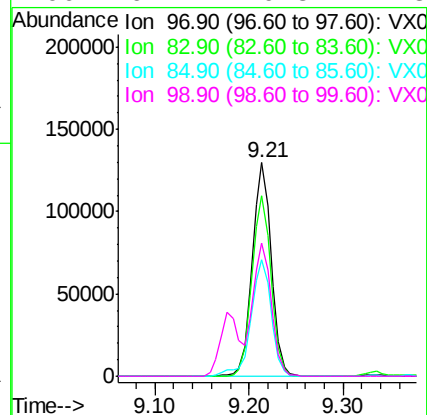
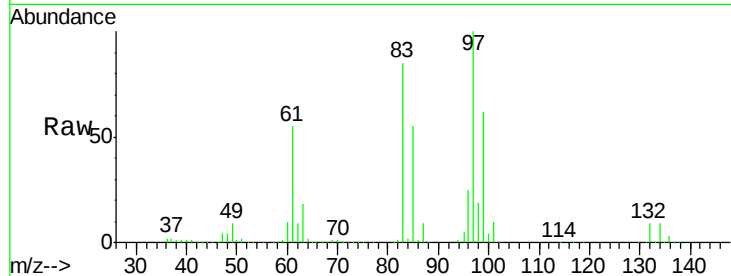
#55
 1,1,2-Trichloroethane
 Concen: 52.965 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007859.D
 Acq: 06 Mar 2019 13:39

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX030619

Tot Ion:	97	Resp:	183388
Ion	Ratio	Lower	Upper
97	100		
83	84.7	69.1	103.7
85	54.6	44.3	66.5
99	62.4	49.8	74.8

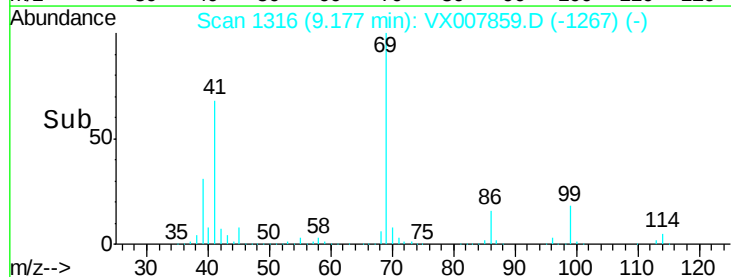
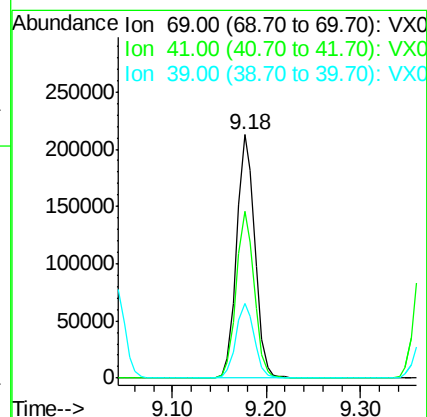
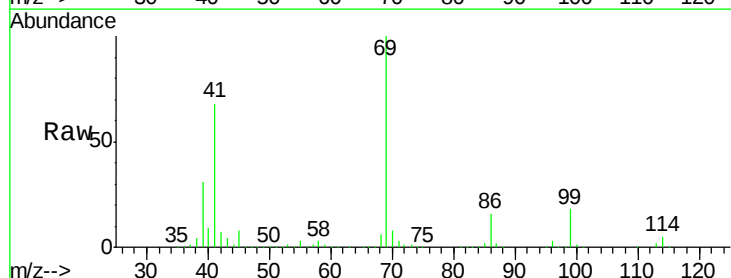
Manual Integrations
 APPROVED

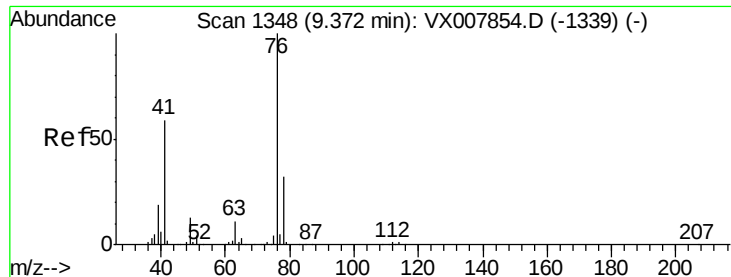
MMDadoda
 3/7/2019 10:35:18 AM



#56
 Ethyl methacrylate
 Concen: 55.077 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007859.D
 Acq: 06 Mar 2019 13:39

Tgt Ion:	69	Resp:	286330
Ion	Ratio	Lower	Upper
69	100		
41	67.9	54.2	81.4
39	30.9	25.0	37.4





#57

1,3-Dichloropropane

Concen: 53.089 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX030619

Tot Ion: 76 Resp: 308643

Ion Ratio Lower Upper

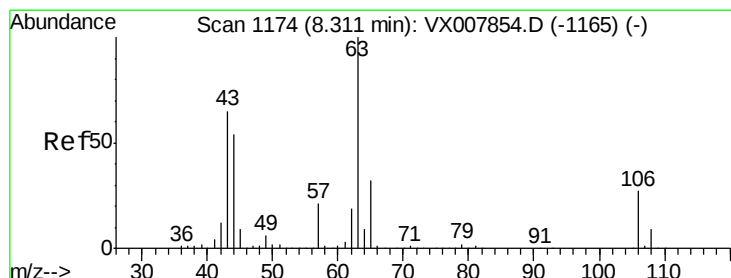
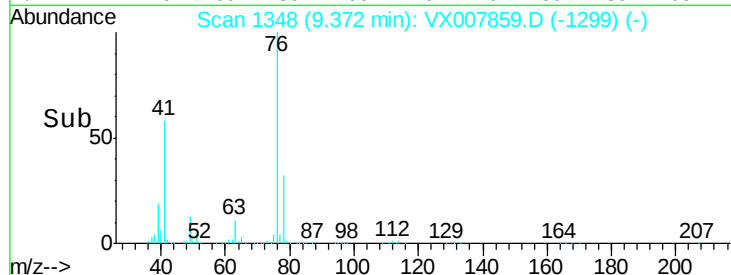
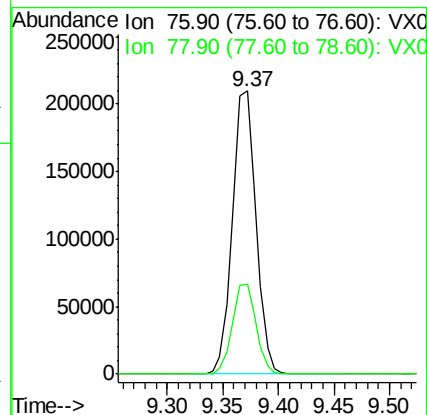
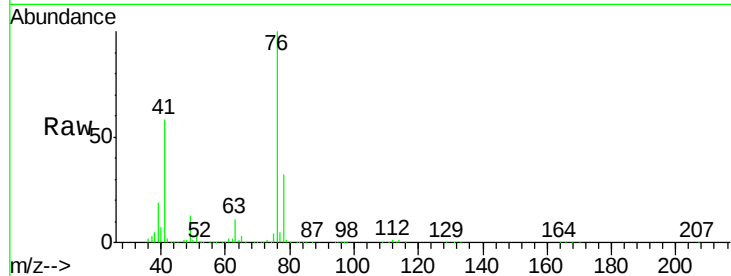
76 100

78 31.9 25.5 38.3

Manual Integrations
APPROVED

MMDadoda

3/7/2019 10:35:18 AM



#58

2-Chloroethyl Vinyl ether

Concen: 270.125 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007859.D

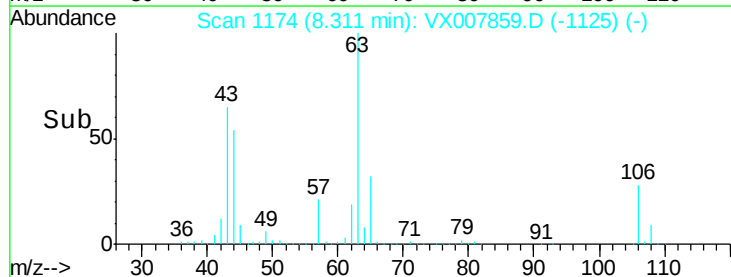
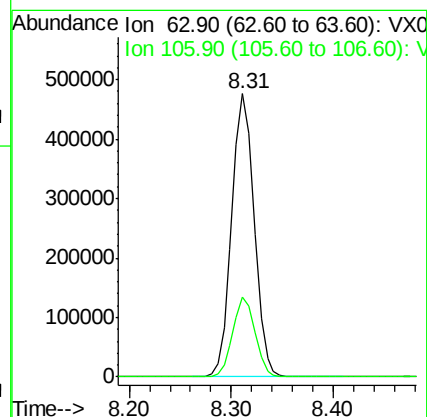
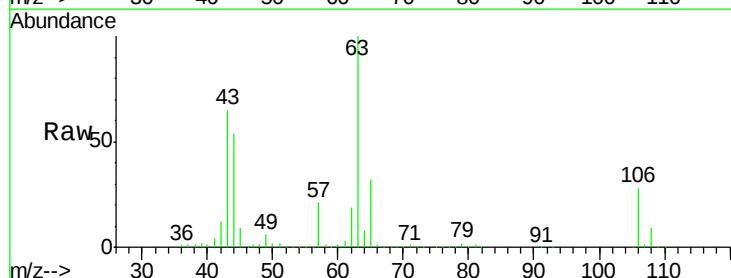
Acq: 06 Mar 2019 13:39

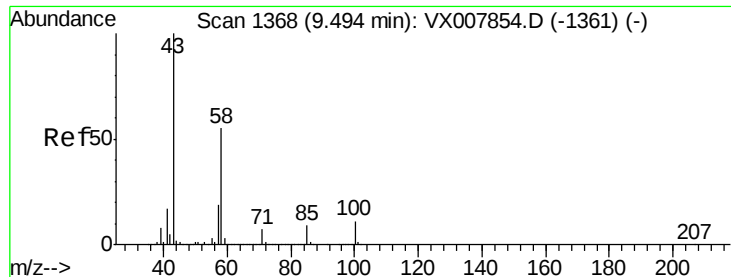
Tgt Ion: 63 Resp: 726414

Ion Ratio Lower Upper

63 100

106 27.9 22.2 33.2





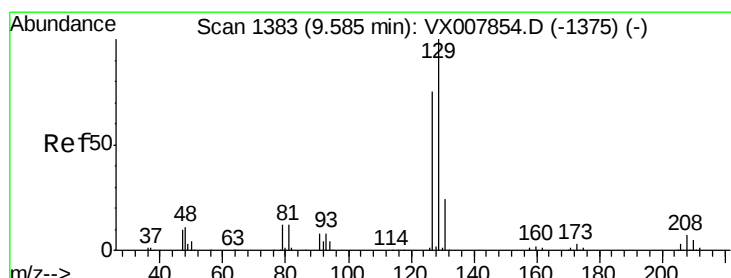
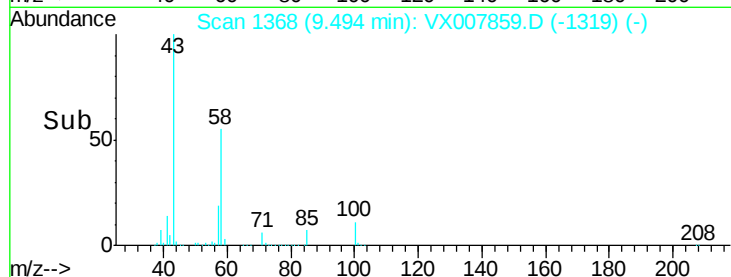
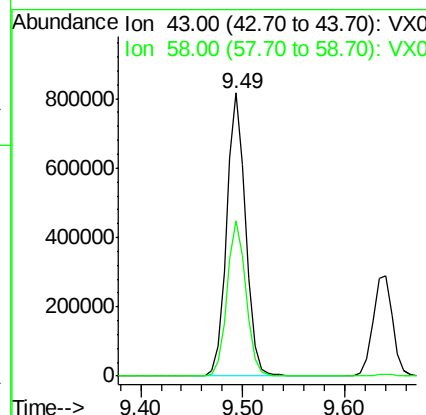
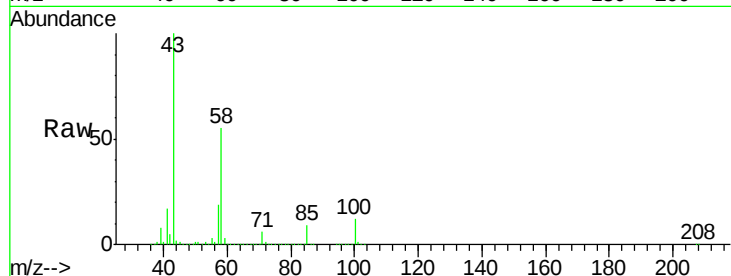
#59
2-Hexanone
Concen: 255.105 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007859.D
Acq: 06 Mar 2019 13:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX030619

Tot Ion: 43 Resp: 1052707
Ion Ratio Lower Upper
43 100
58 55.1 27.6 82.7

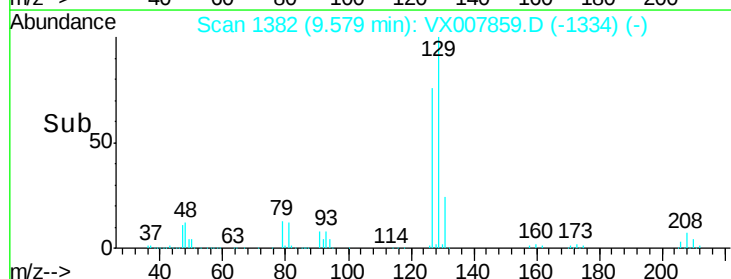
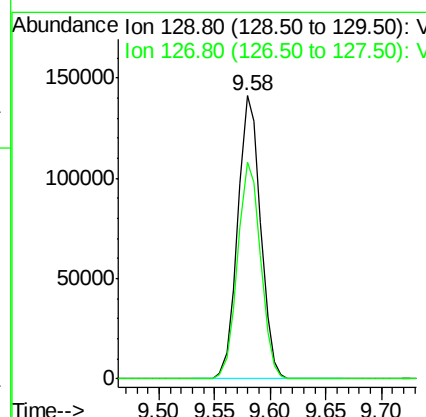
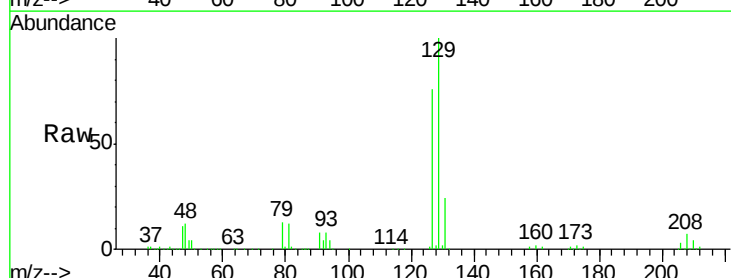
Manual Integrations
APPROVED

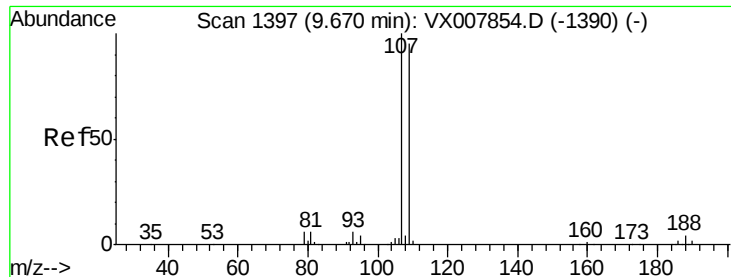
MMDadoda
3/7/2019 10:35:18 AM



#60
Dibromochloromethane
Concen: 55.474 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007859.D
Acq: 06 Mar 2019 13:39

Tgt Ion: 129 Resp: 200765
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.8





#61

1,2-Dibromoethane

Concen: 52.953 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX030619

Tot Ion: 107 Resp: 194665

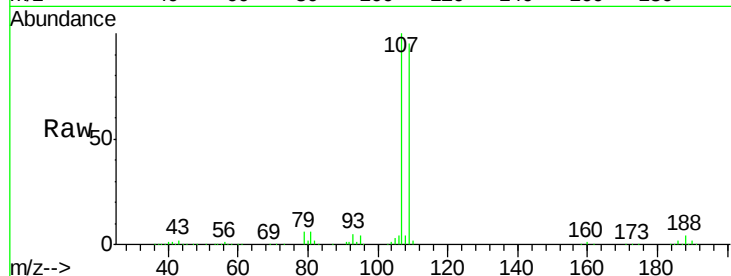
Ion Ratio Lower Upper

107 100

109 94.9 75.8 113.8

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3/7/2019 10:35:18 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

150000

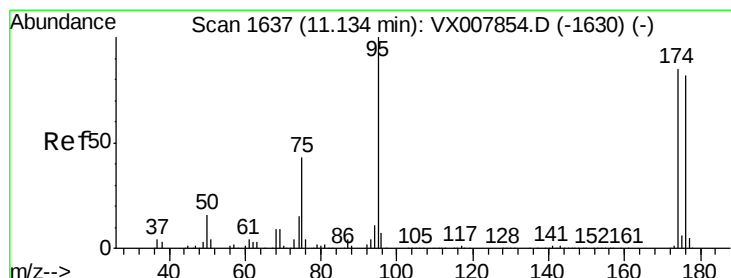
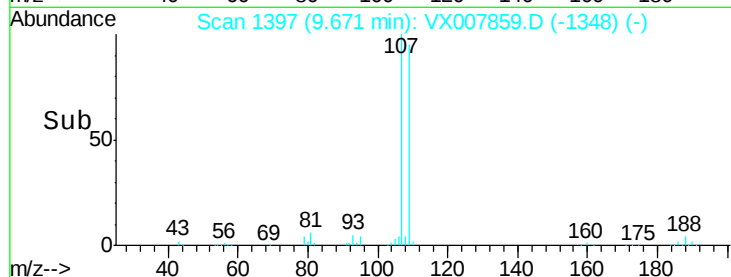
100000

50000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 54.936 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

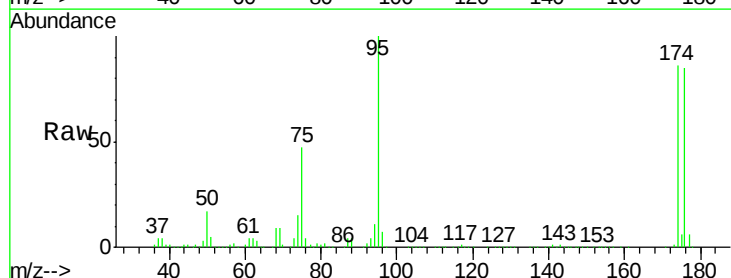
Tgt Ion: 95 Resp: 235159

Ion Ratio Lower Upper

95 100

174 91.7 0.0 182.8

176 89.5 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

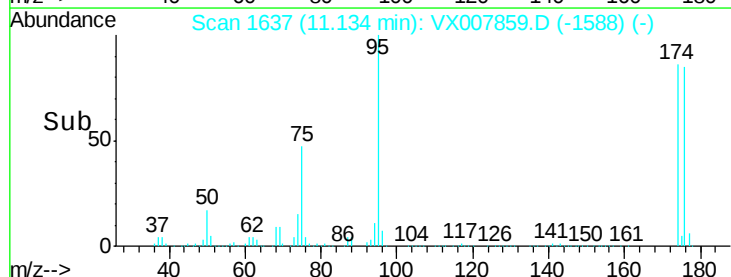
100000

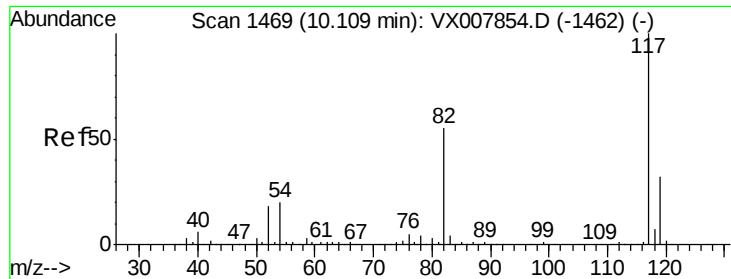
50000

0

11.10 11.20

Time-->





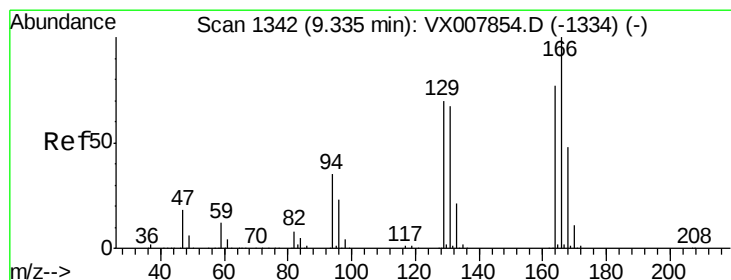
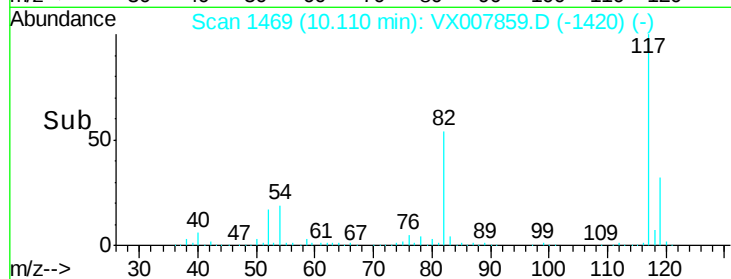
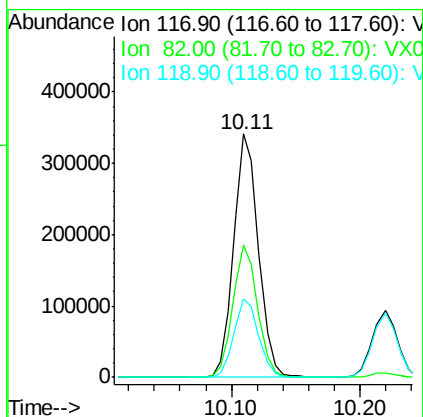
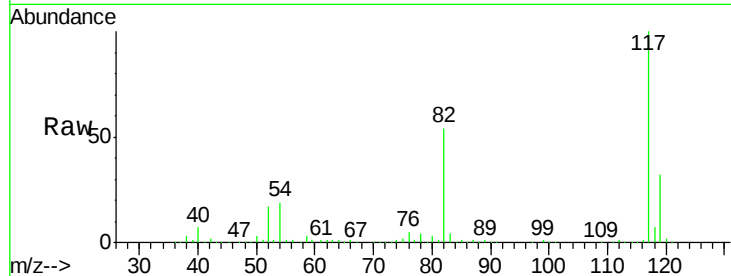
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007859.D
Acq: 06 Mar 2019 13:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX030619

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	44.3	66.5
119	32.2	25.3	37.9

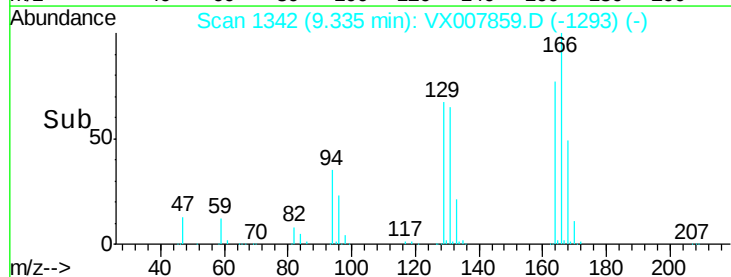
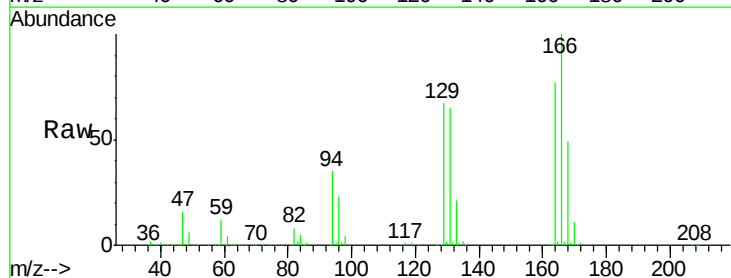
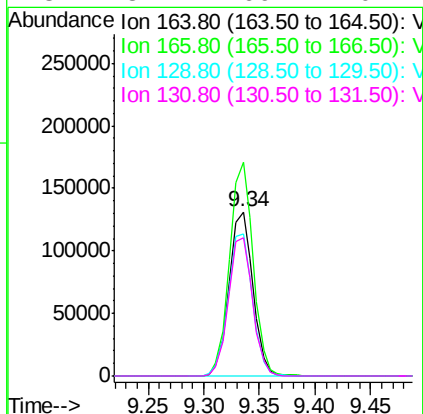
Manual Integrations
APPROVED

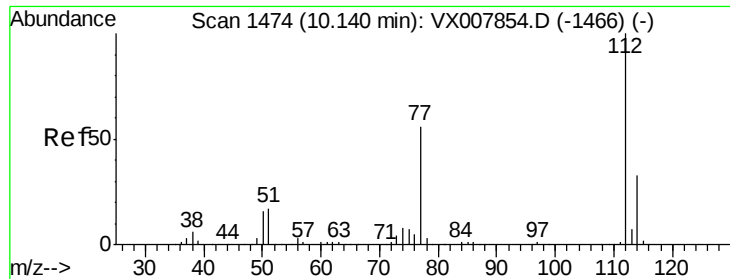
MMDadoda
3/7/2019 10:35:18 AM



#64
Tetrachloroethene
Concen: 51.255 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007859.D
Acq: 06 Mar 2019 13:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	103.4	155.0
129	86.7	72.2	108.4
131	84.1	69.4	104.2





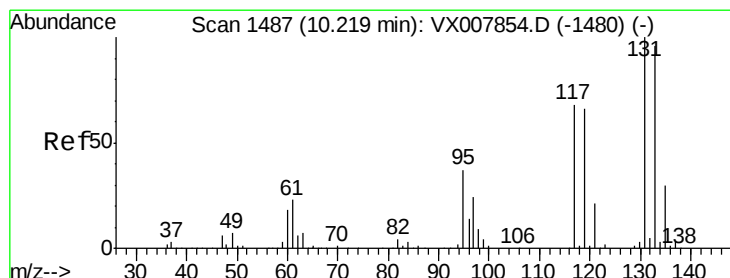
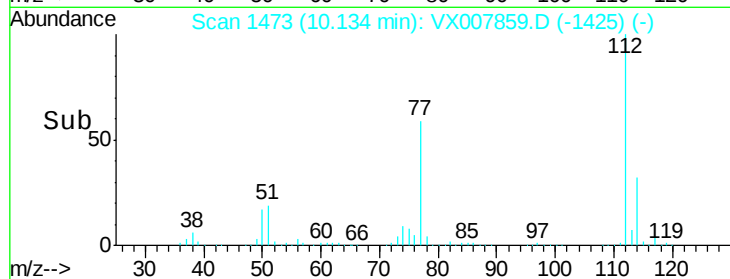
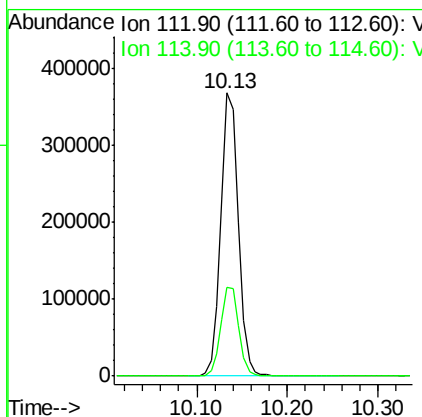
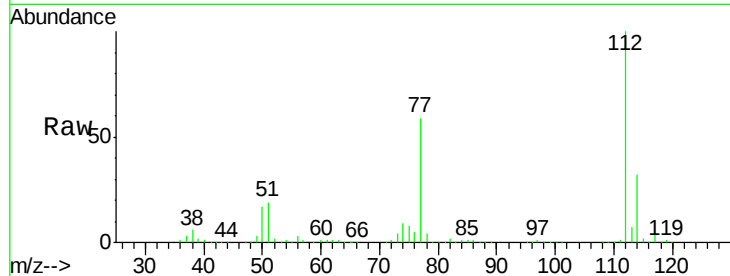
#65
Chlorobenzene
Concen: 52.313 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX007859.D
Acq: 06 Mar 2019 13:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX030619

Tot Ion:112 Resp: 501440
Ion Ratio Lower Upper
112 100
114 31.5 26.0 39.0

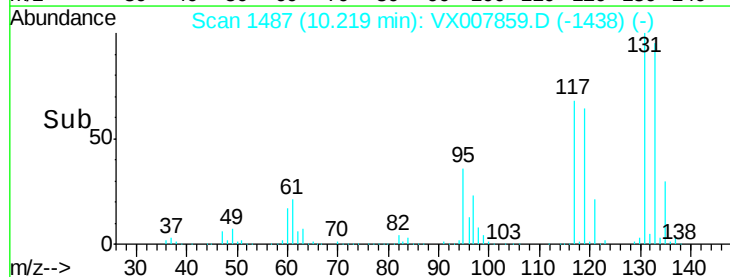
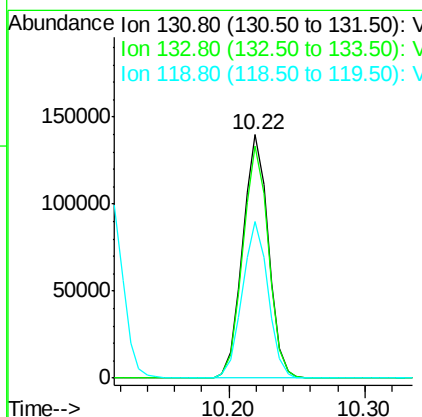
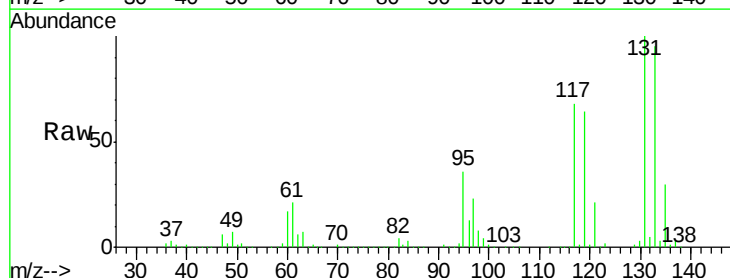
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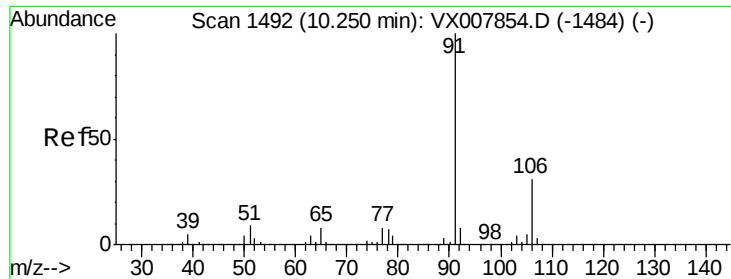
MMDadoda
3/7/2019 10:35:18 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.710 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX007859.D
Acq: 06 Mar 2019 13:39

Tgt Ion:131 Resp: 184515
Ion Ratio Lower Upper
131 100
133 95.1 47.8 143.3
119 64.5 32.5 97.5





#67

Ethyl Benzene

Concen: 54.821 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Instrument :

MSVOA_X

ClientSampled :

ICVVX030619

Tot Ion: 91 Resp: 864986

Ion Ratio Lower Upper

91 100

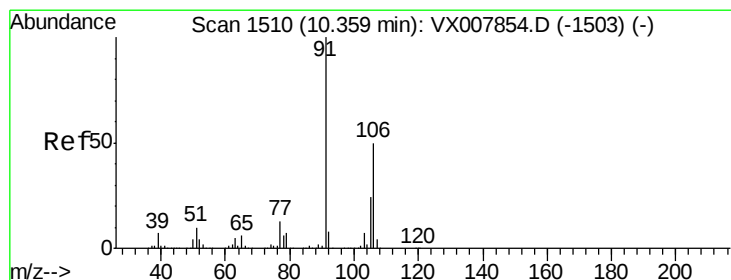
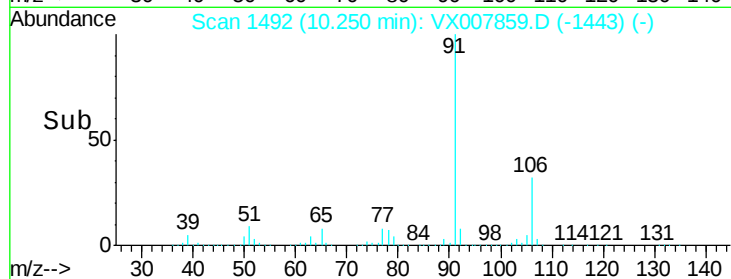
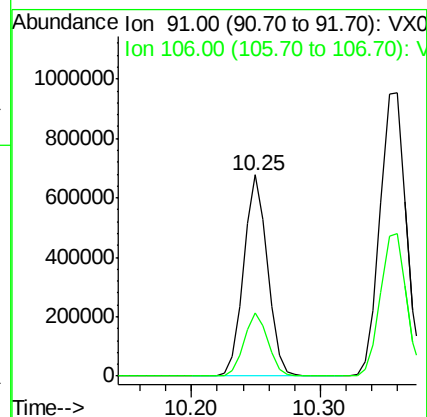
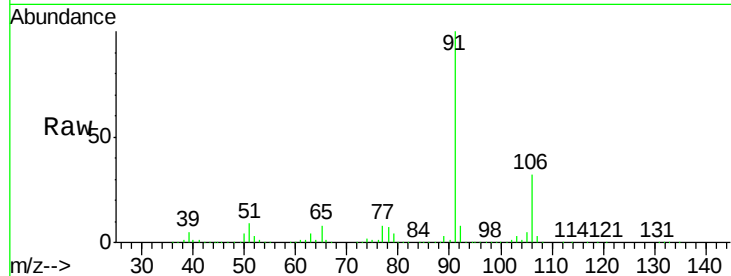
106 31.6 25.2 37.8

Manual Integrations

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MMDadoda

3/7/2019 10:35:18 AM



#68

m/p-Xylenes

Concen: 109.512 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007859.D

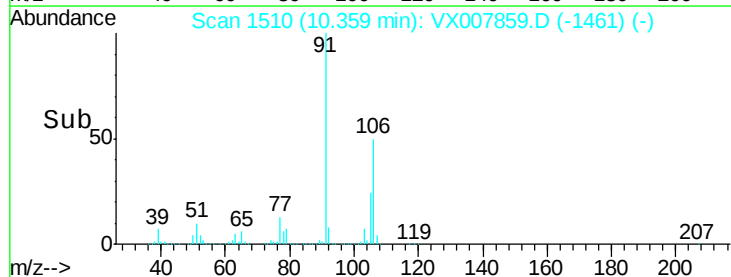
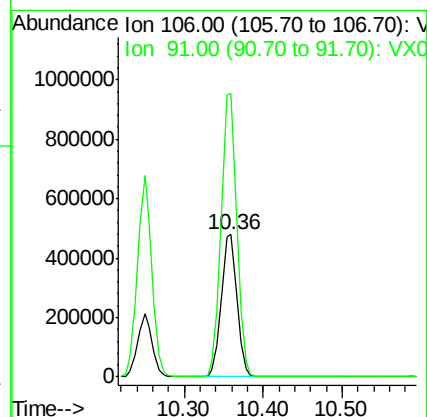
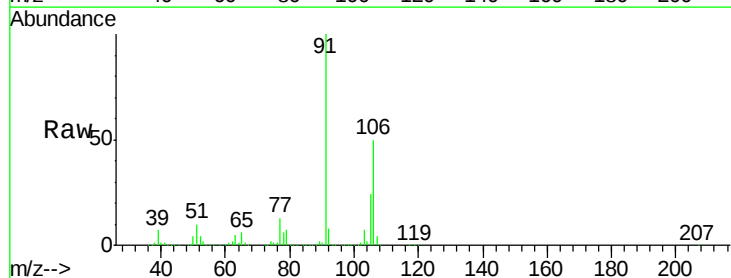
Acq: 06 Mar 2019 13:39

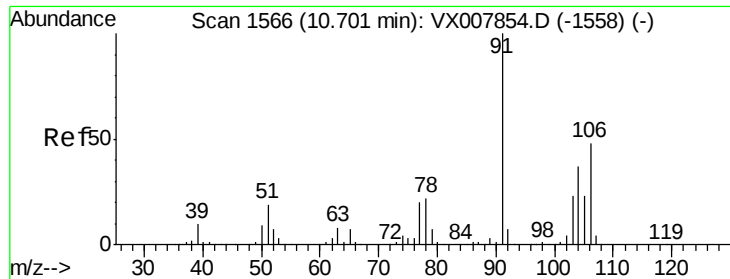
Tgt Ion: 106 Resp: 666031

Ion Ratio Lower Upper

106 100

91 200.6 159.8 239.6





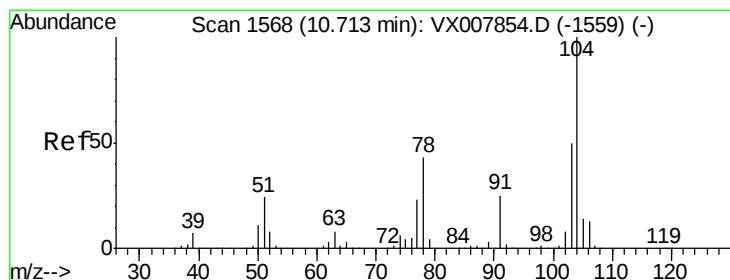
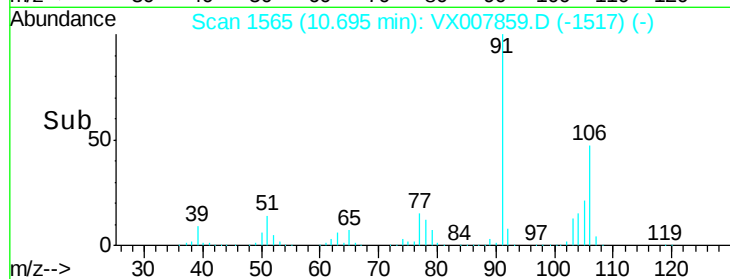
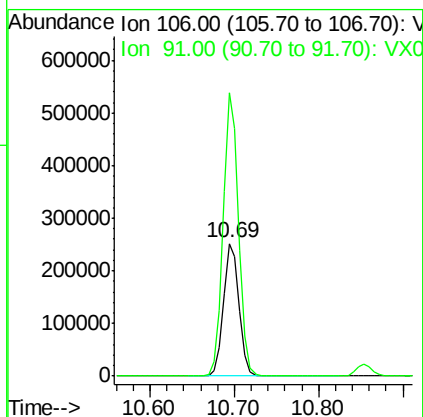
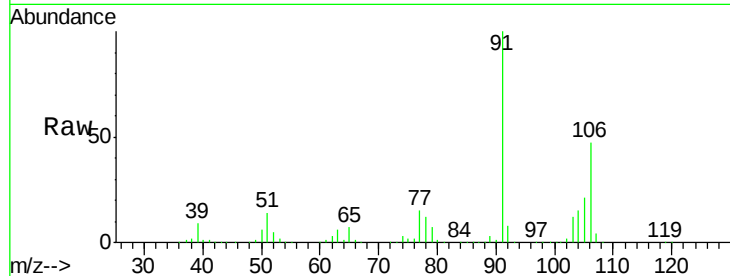
#69
o-Xylene
Concen: 54.612 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007859.D
Acq: 06 Mar 2019 13:39

Instrument :
MSVOA_X
ClientSampled :
ICVVX030619

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	211.8	106.3	320662	318.9	

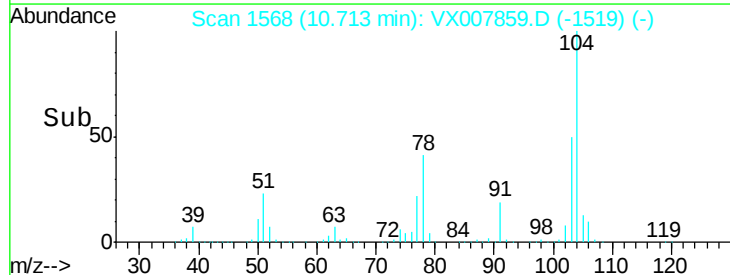
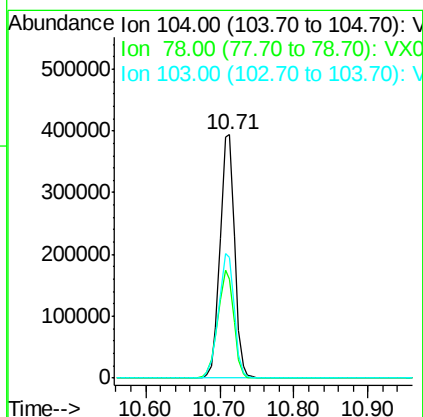
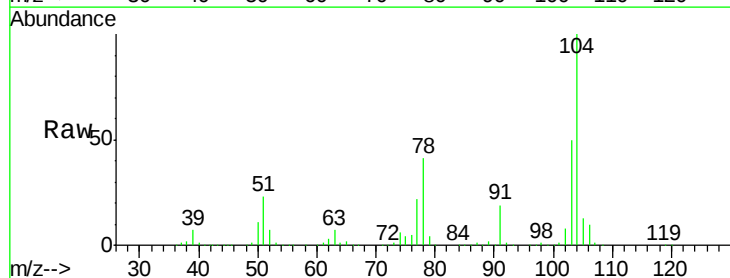
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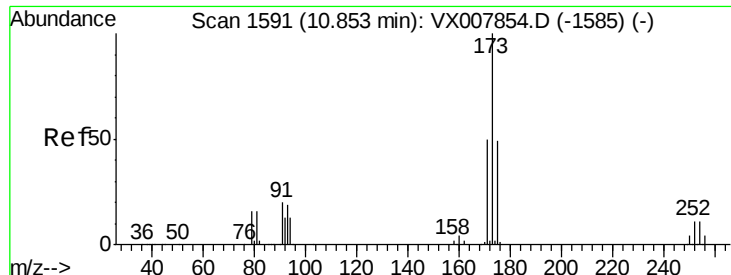
MMDadoda
3/7/2019 10:35:18 AM



#70
Styrene
Concen: 55.396 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007859.D
Acq: 06 Mar 2019 13:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	48.1	38.5	532260	57.7	
103	55.1	44.1		66.1	





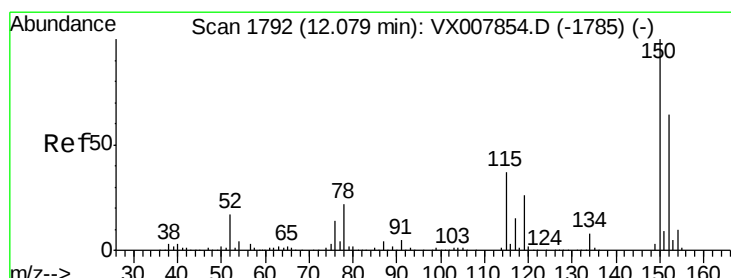
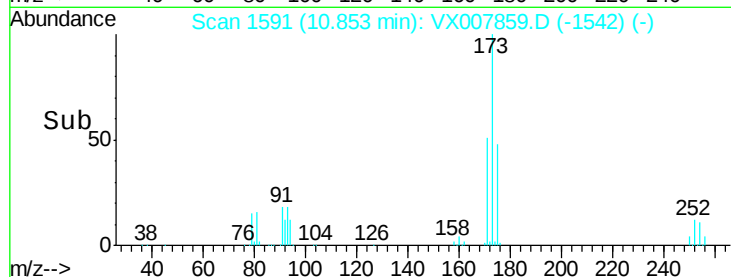
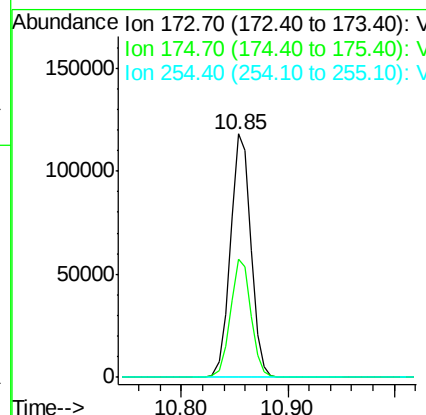
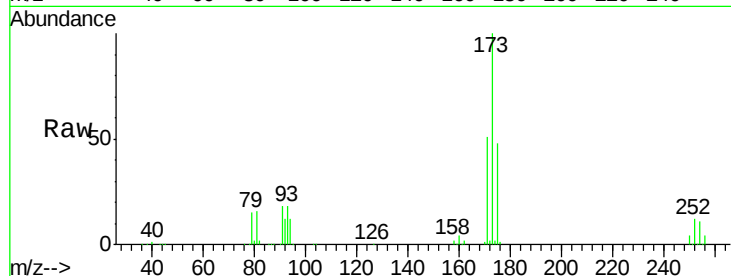
#71
Bromoform
Concen: 53.823 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX007859.D
Acq: 06 Mar 2019 13:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX030619

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	72.9
254	0.1	0.1	0.1#

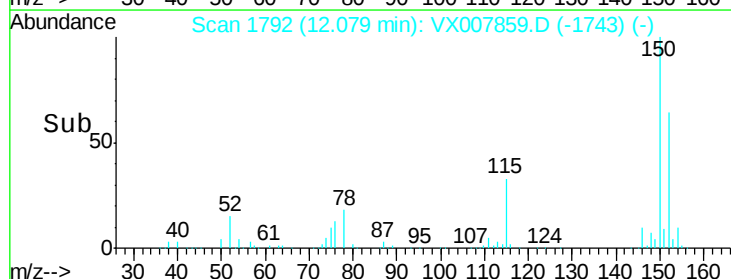
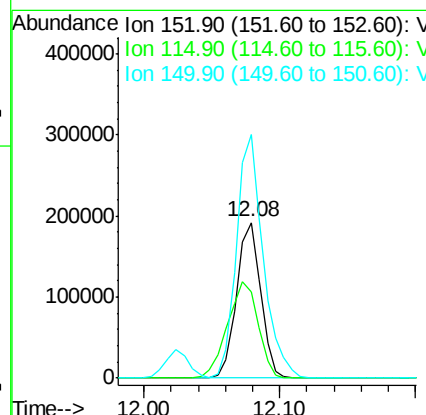
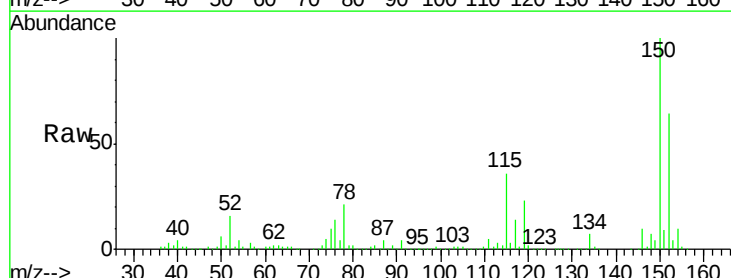
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3/7/2019 10:35:18 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007859.D
Acq: 06 Mar 2019 13:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.8	38.6	115.7
150	173.4	0.0	348.4





#73

Isopropylbenzene

Concen: 54.588 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX030619

Tot Ion: 105 Resp: 869746

Ion Ratio Lower Upper

105 100

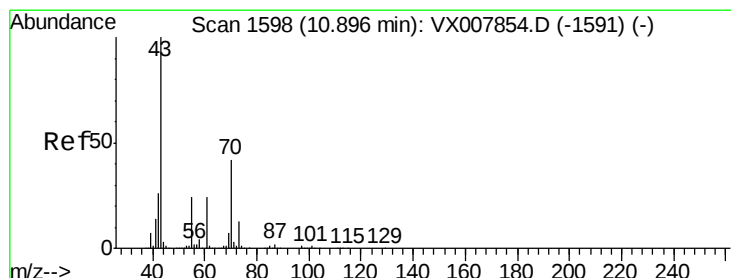
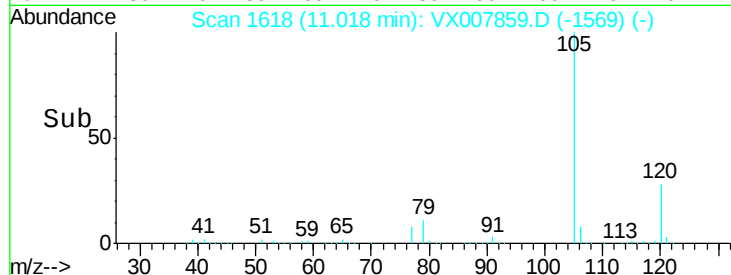
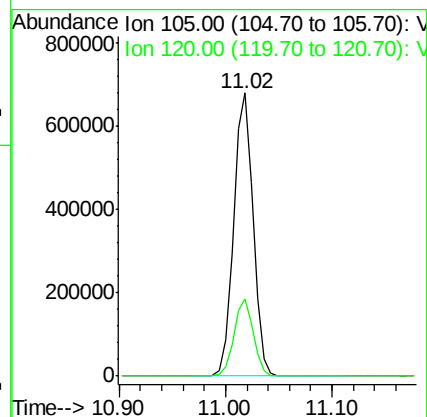
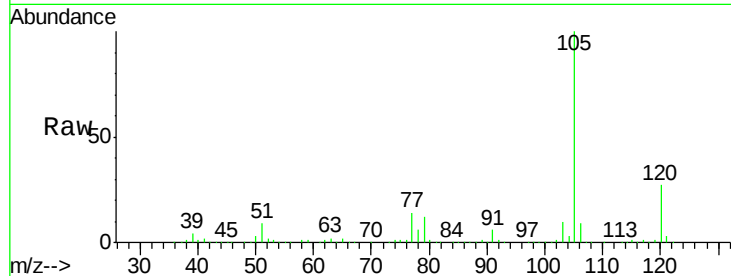
120 26.9 13.4 40.1

Manual Integrations

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3/7/2019 10:35:18 AM



#74

N-ethyl acetate

Concen: 52.024 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Tgt Ion: 43 Resp: 378417

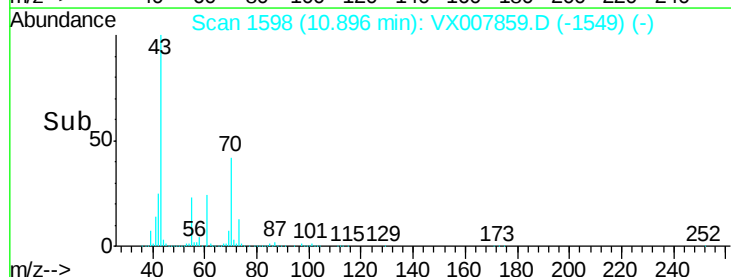
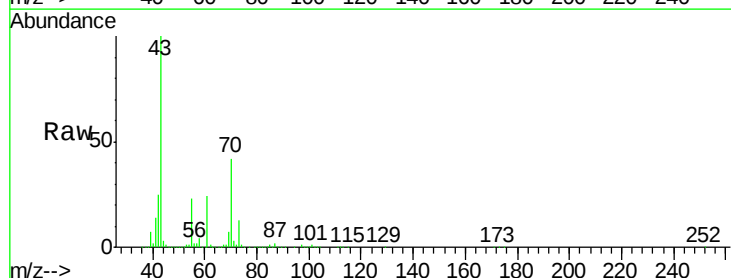
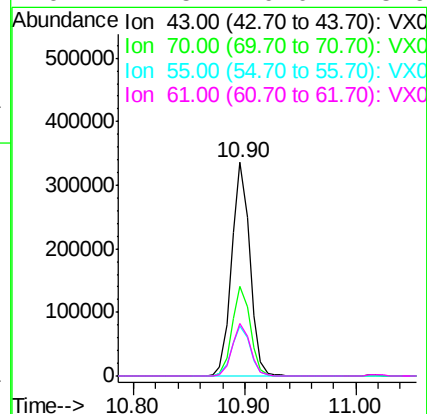
Ion Ratio Lower Upper

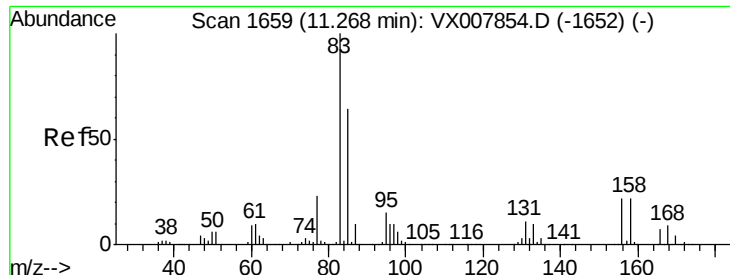
43 100

70 42.0 33.5 50.3

55 23.9 19.2 28.8

61 24.5 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.313 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Instrument :

MSVOA_X

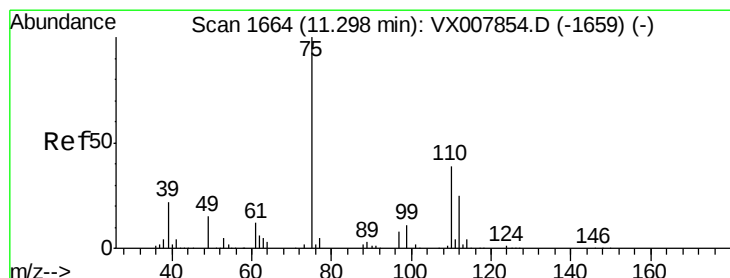
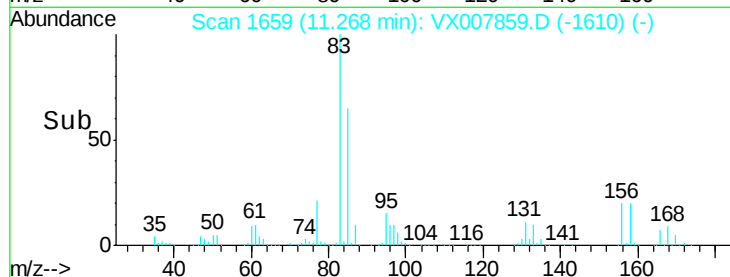
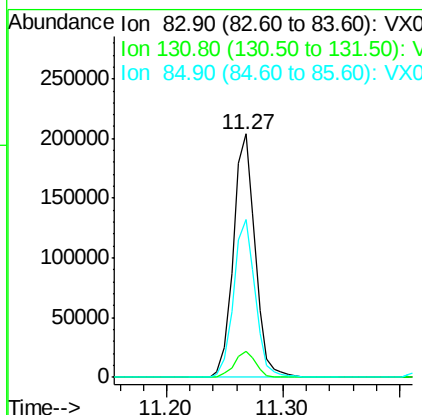
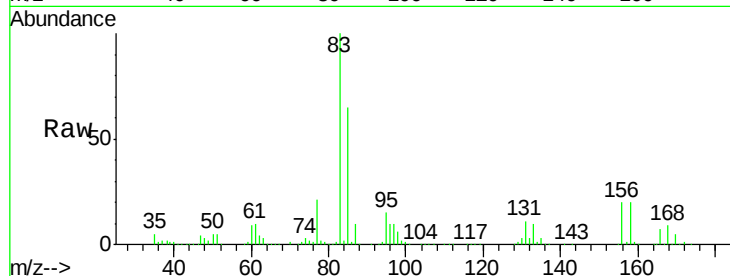
ClientSampled :

ICVVX030619

Tot Ion:	83	Resp:	265521
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.4	16.2
85	64.6	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.989 ug/l m

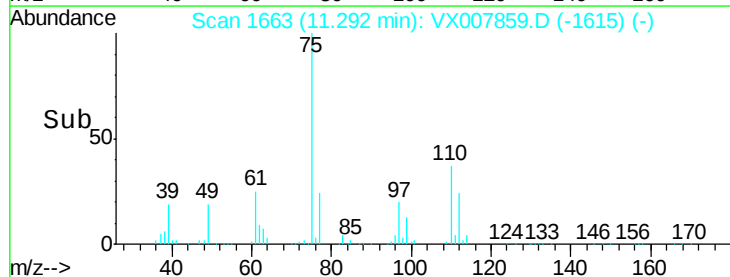
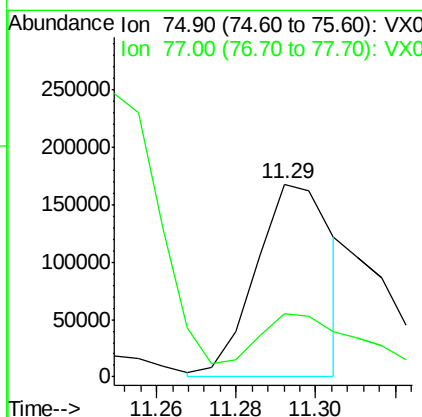
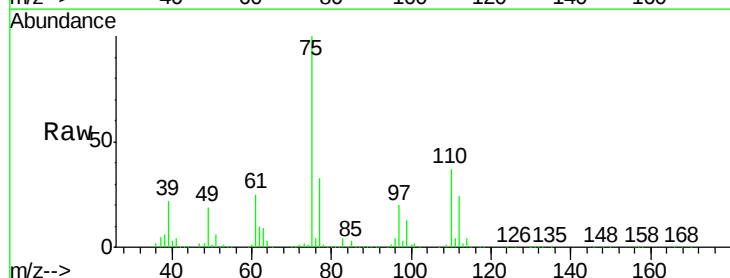
RT: 11.29 min Scan# 1663

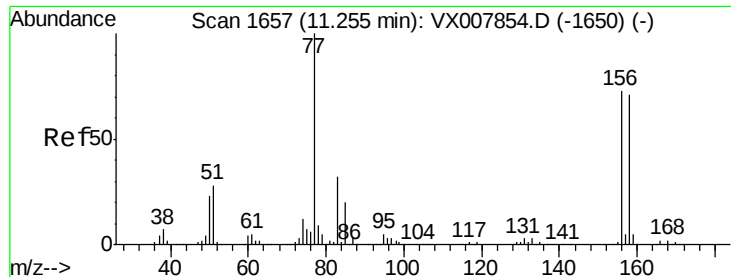
Delta R.T. -0.01 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Tgt Ion:	75	Resp:	222406
Ion Ratio	Lower	Upper	
75	100		
77	45.9	18.9	56.7





#77

Bromobenzene

Concen: 51.188 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX030619

Tot Ion:156 Resp: 223606

Ion Ratio Lower Upper

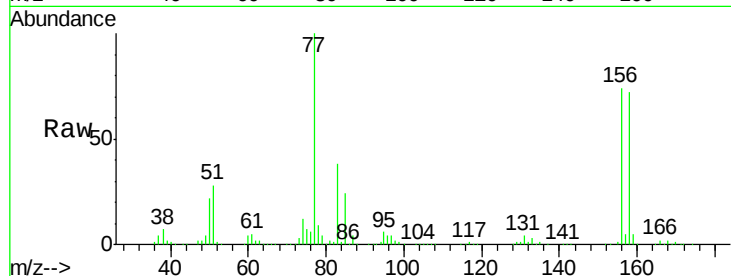
156 100

77 144.2 72.0 215.9

158 97.3 48.6 145.9

Manual Integrations
APPROVED

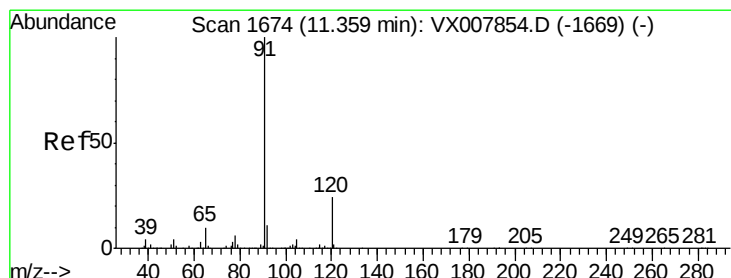
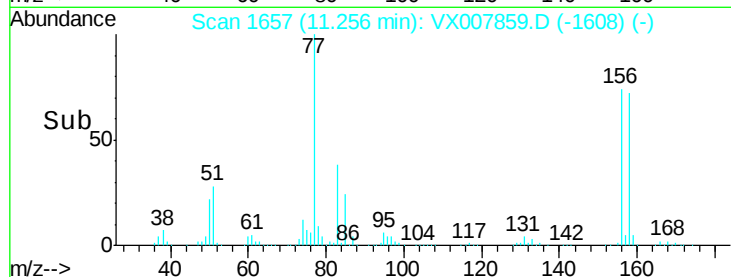
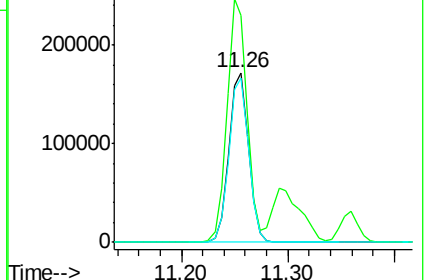
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3/7/2019 10:35:18 AM



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: 55.991 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007859.D

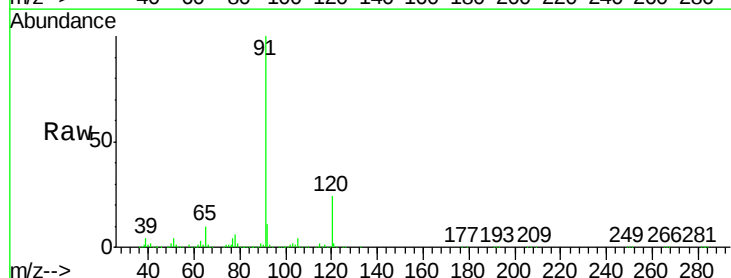
Acq: 06 Mar 2019 13:39

Tgt Ion: 91 Resp: 989682

Ion Ratio Lower Upper

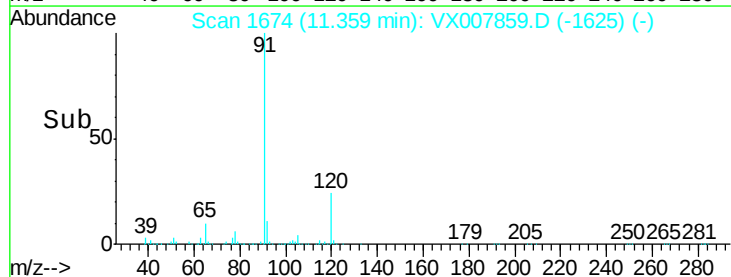
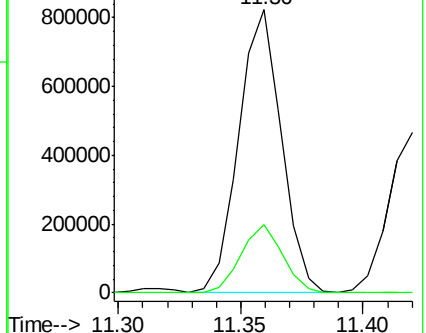
91 100

120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.552 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX030619

Tot Ion: 91 Resp: 567953

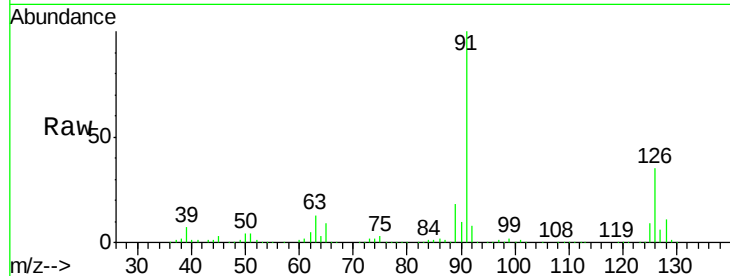
Ion Ratio Lower Upper

91 100

126 35.1 17.5 52.6

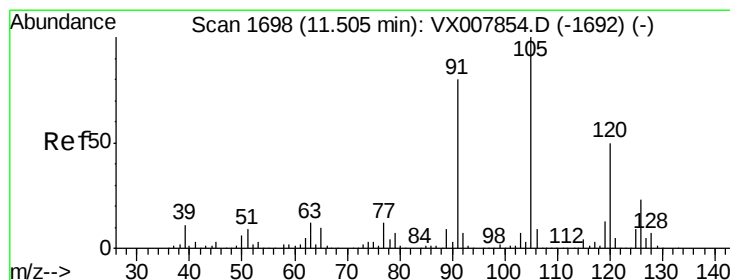
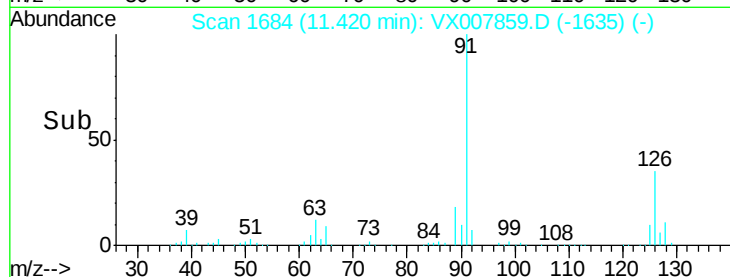
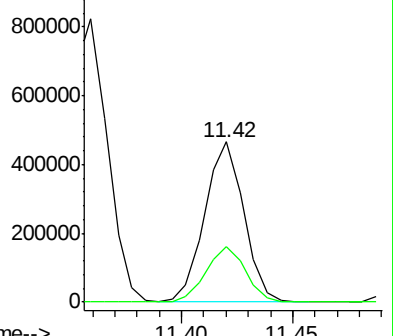
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX007854.D (-1679) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 54.333 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007859.D

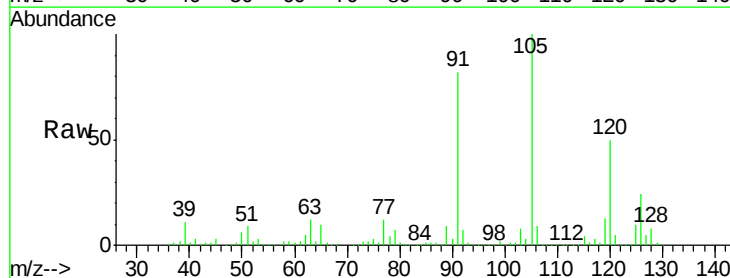
Acq: 06 Mar 2019 13:39

Tgt Ion: 105 Resp: 712510

Ion Ratio Lower Upper

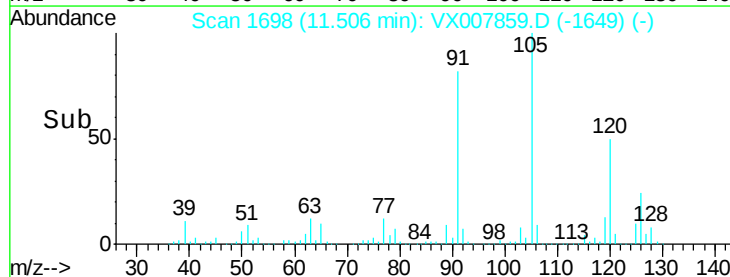
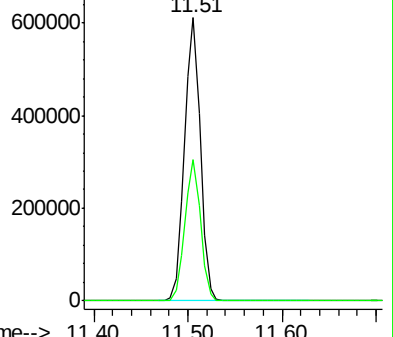
105 100

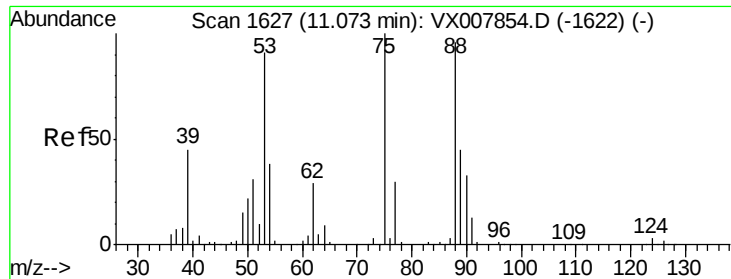
120 49.5 24.9 74.6



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

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





#81

trans-1,4-Dichloro-2-butene

Concen: 55.351 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Instrument :

MSVOA_X

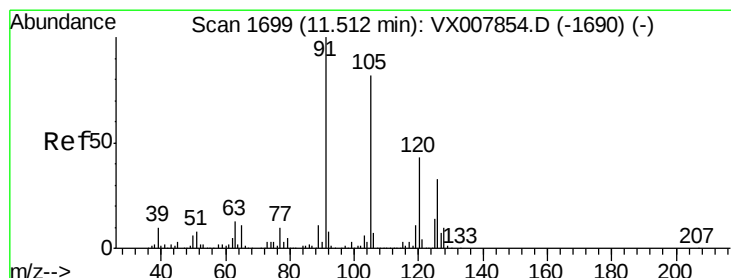
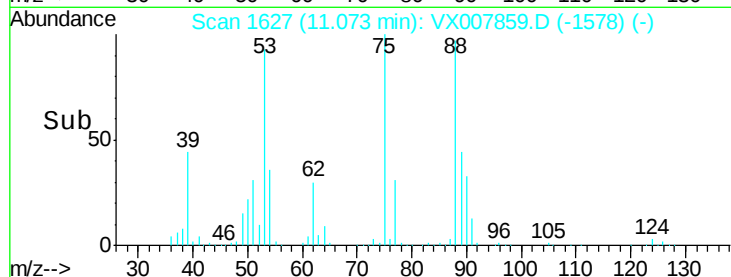
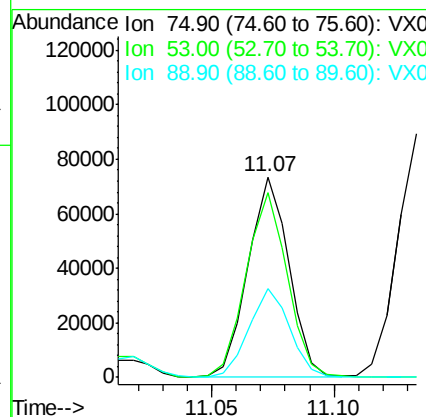
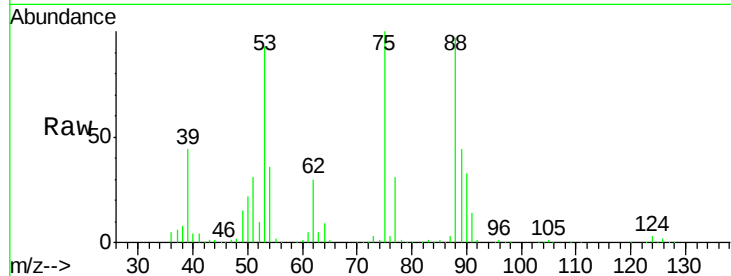
ClientSampleId :

ICVVX030619

Tot Ion:	75	Resp:	85604
Ion	Ratio	Lower	Upper
75	100		
53	93.8	76.1	114.1
89	44.5	36.3	54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.659 ug/l

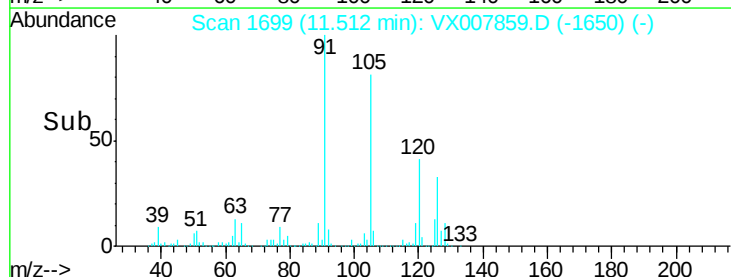
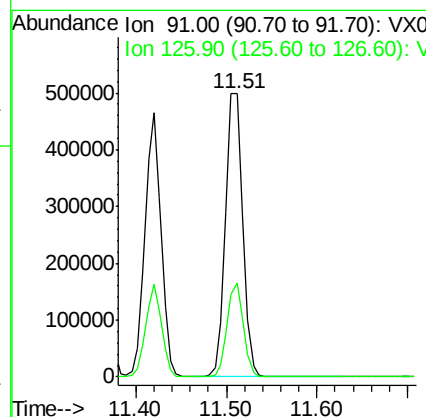
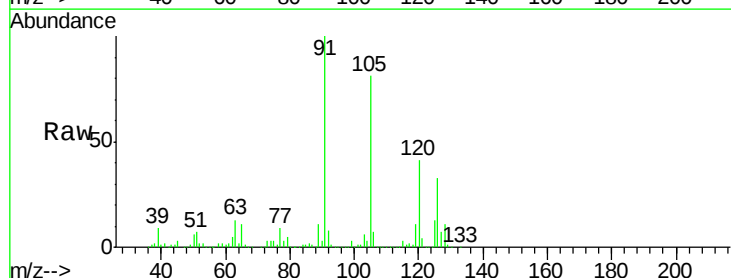
RT: 11.51 min Scan# 1699

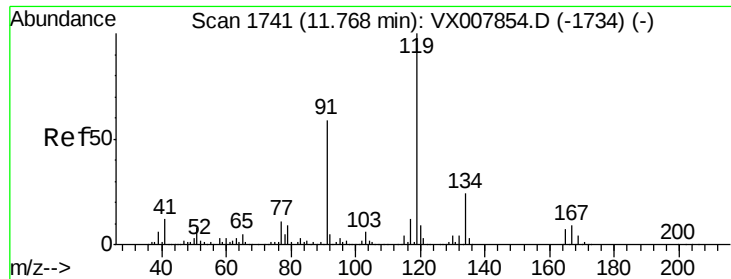
Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Tgt Ion:	91	Resp:	664578
Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.8





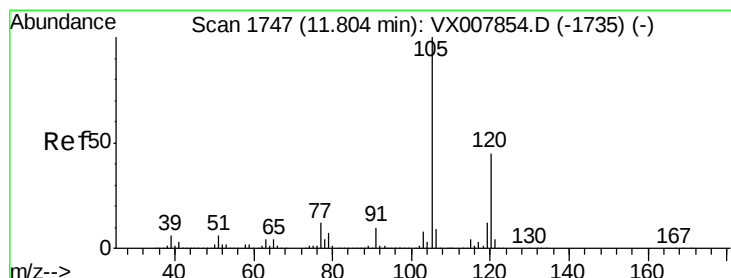
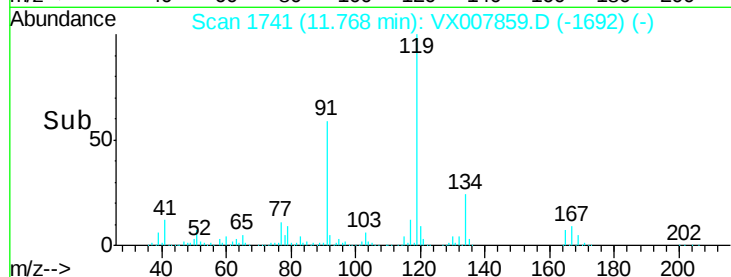
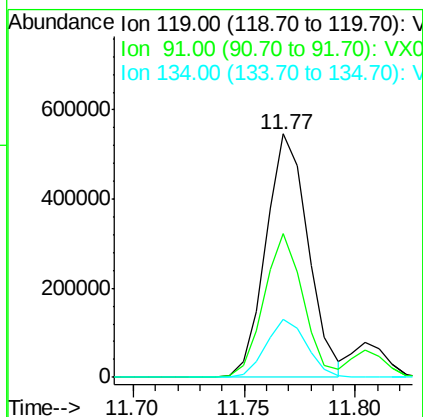
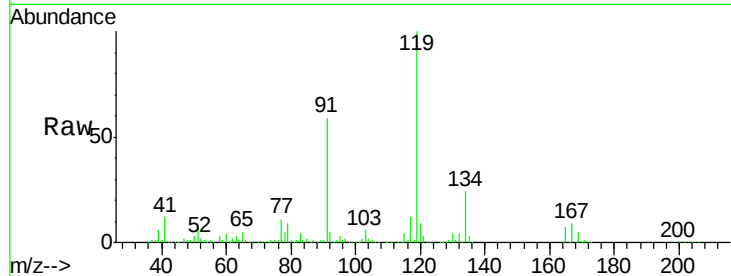
#83
tert-Butylbenzene
Concen: 54.461 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX007859.D
Acq: 06 Mar 2019 13:39

Instrument :
MSVOA_X
ClientSampled :
ICVVX030619

Tot Ion	Ratio	Resp	Lower	Upper
119	100	719399		
91	55.1	27.1	81.3	
134	22.9	11.4	34.1	

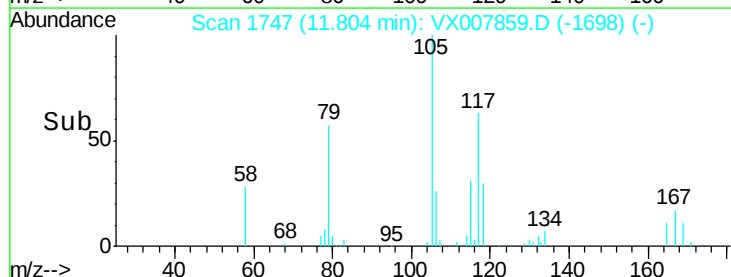
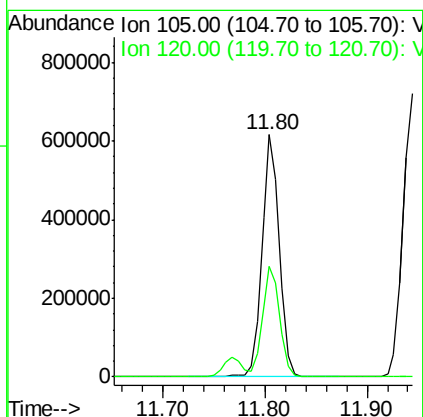
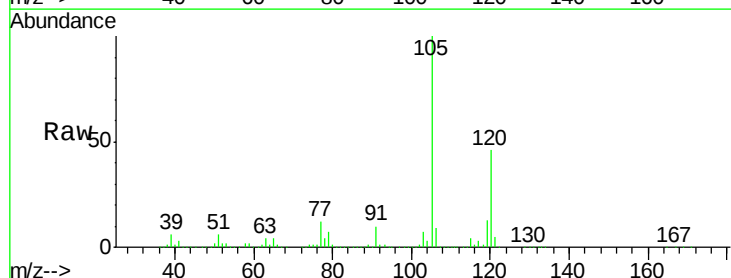
Manual Integrations
APPROVED

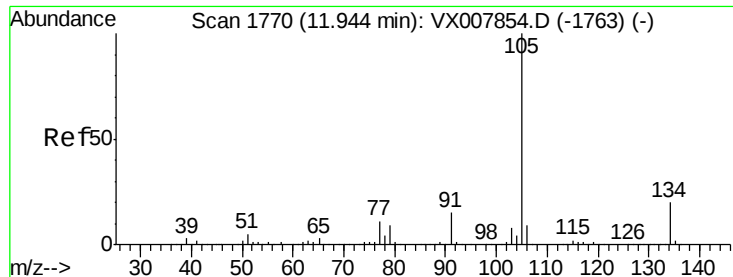
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#84
1,2,4-Trimethylbenzene
Concen: 54.359 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007859.D
Acq: 06 Mar 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	730761		
120	45.1	22.6	67.7	





#85

sec-Butylbenzene

Concen: 56.008 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX030619

Tot Ion:105 Resp: 871338

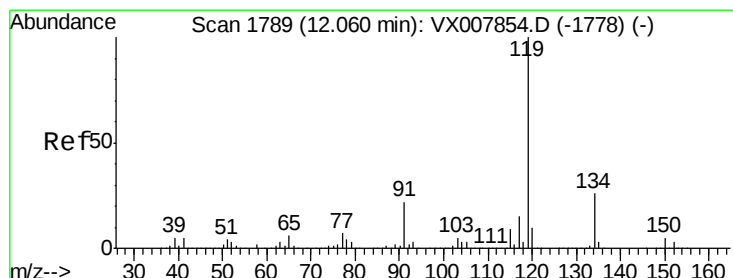
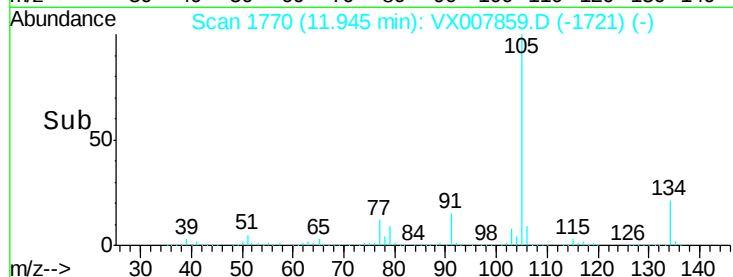
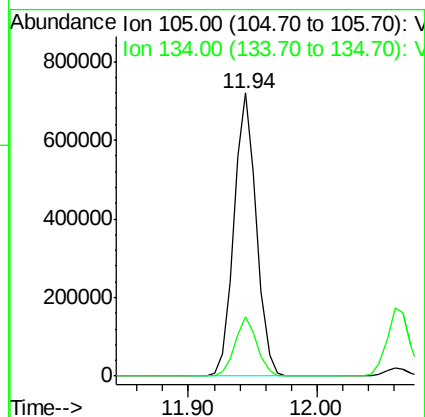
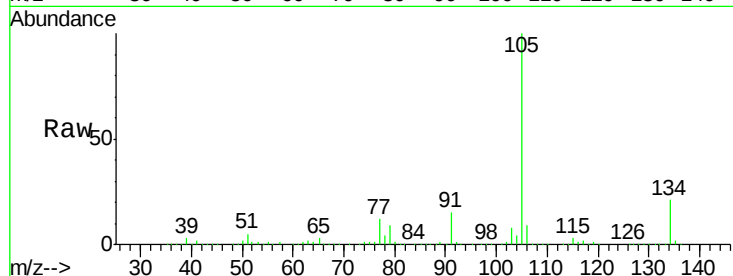
Ion Ratio Lower Upper

105 100

134 20.6 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 56.447 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

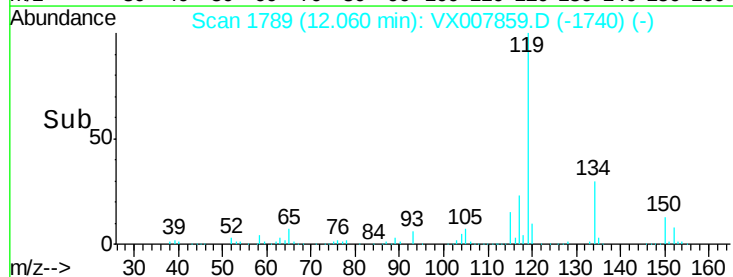
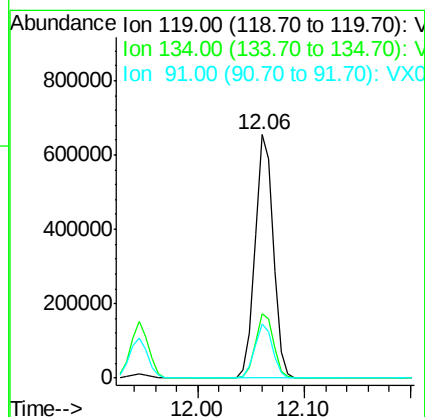
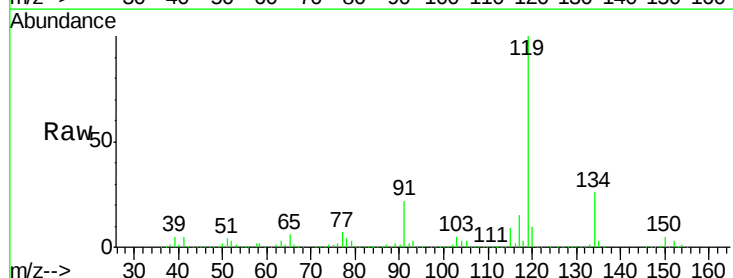
Tgt Ion:119 Resp: 786470

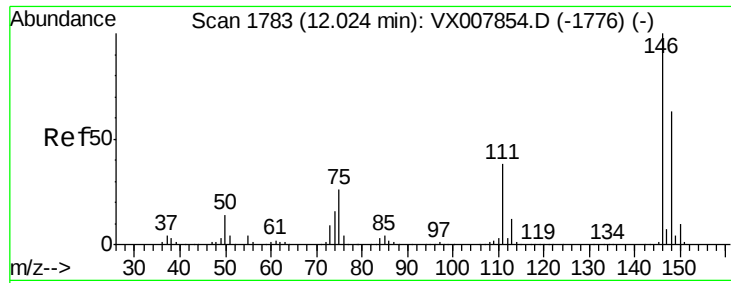
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 21.9 10.9 32.7





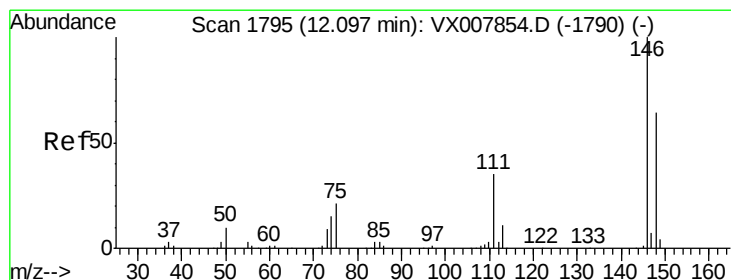
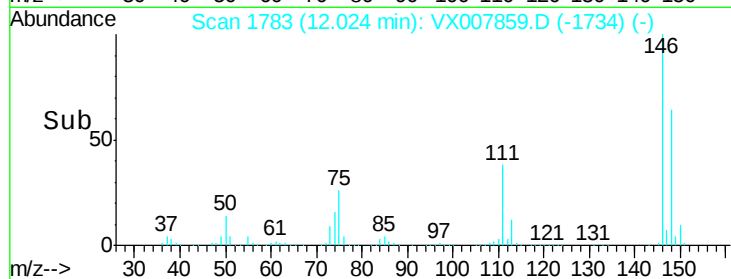
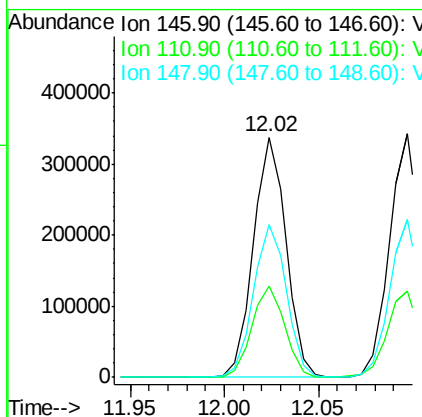
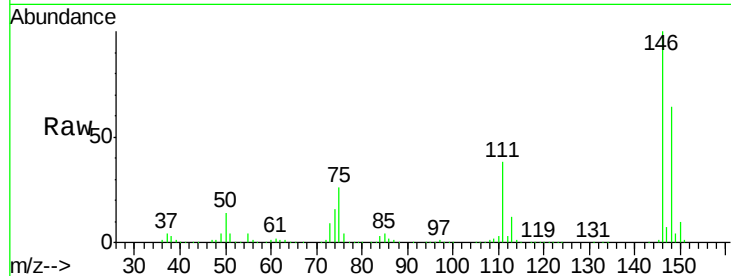
#87
 1,3-Dichlorobenzene
 Concen: 52.659 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007859.D
 Acq: 06 Mar 2019 13:39

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX030619

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.9	56.7
148	64.2	31.7	95.1

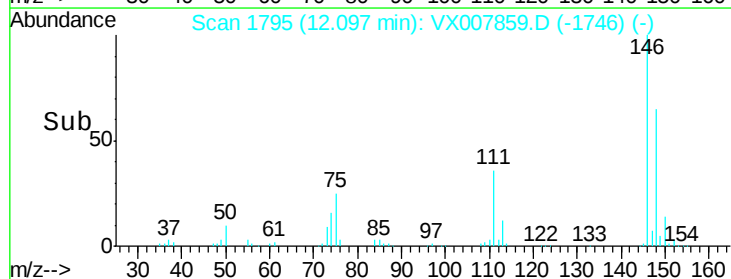
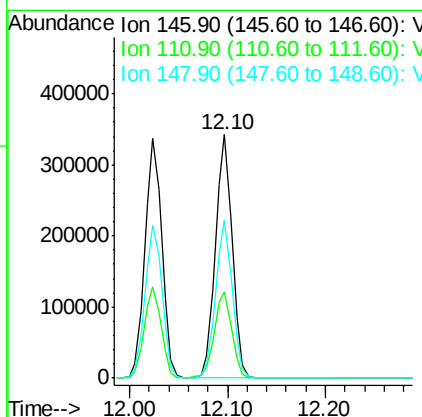
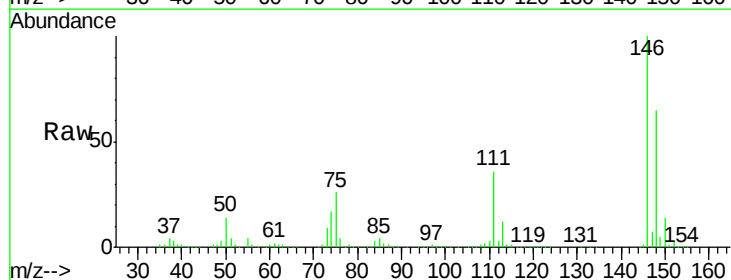
Manual Integrations
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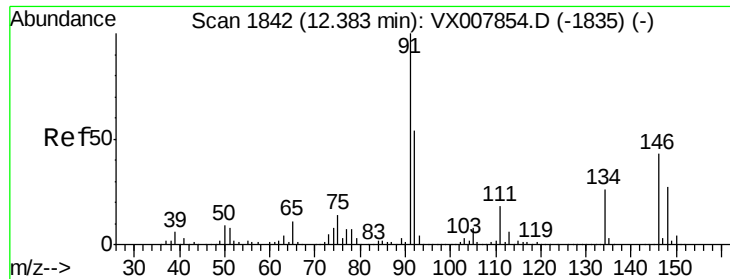
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#88
 1,4-Dichlorobenzene
 Concen: 51.565 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007859.D
 Acq: 06 Mar 2019 13:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.4	55.0
148	64.3	32.2	96.6





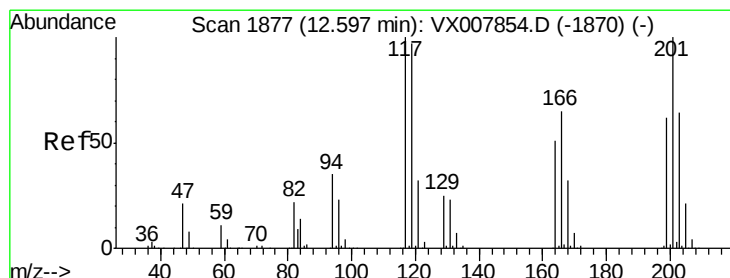
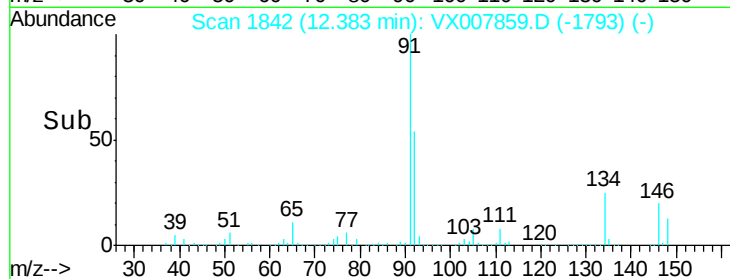
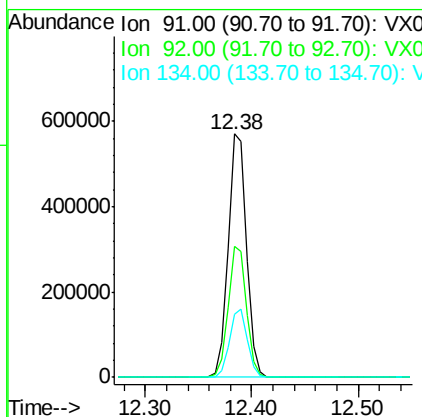
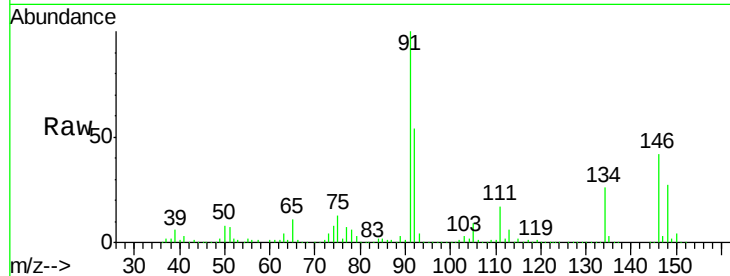
#89
n-Butylbenzene
Concen: 58.226 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX007859.D
Acq: 06 Mar 2019 13:39

Instrument :
MSVOA_X
ClientSampled :
ICVVX030619

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.0	80.8
134	27.5	13.7	41.0

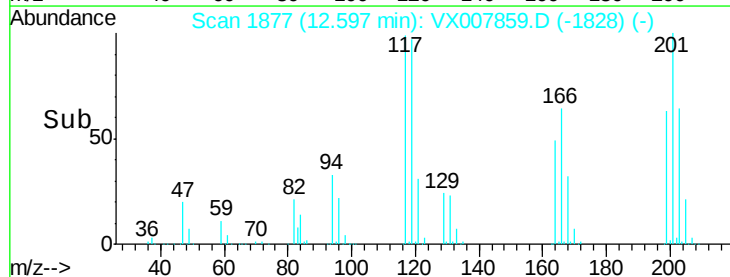
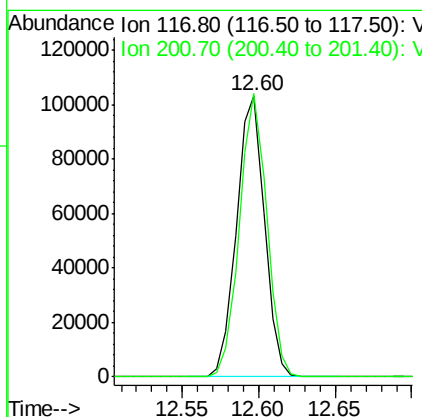
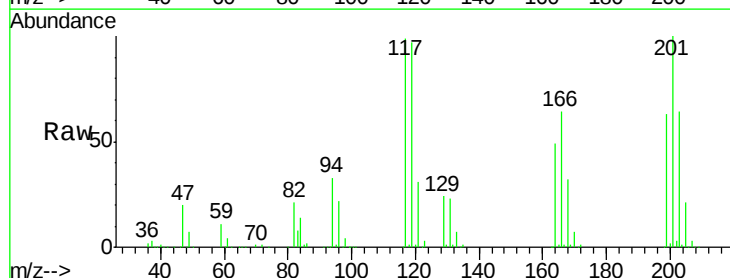
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#90
Hexachloroethane
Concen: 55.949 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007859.D
Acq: 06 Mar 2019 13:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.4	48.9	146.7





#91

1,2-Dichlorobenzene

Concen: 51.584 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Instrument :

MSVOA_X

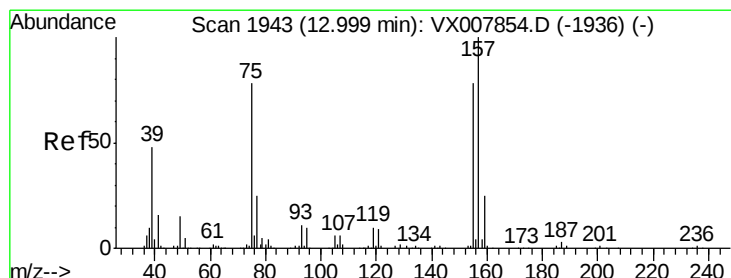
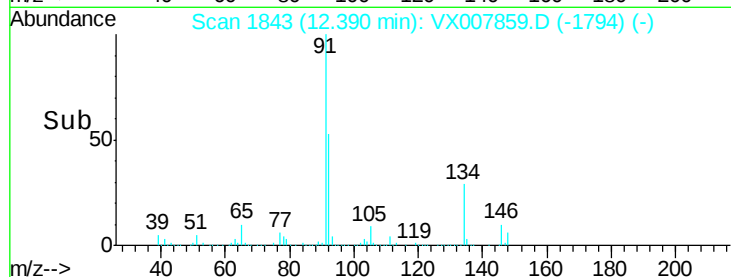
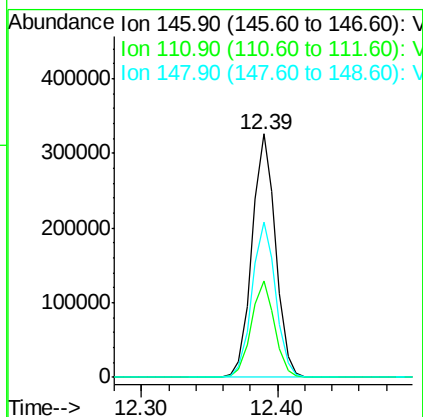
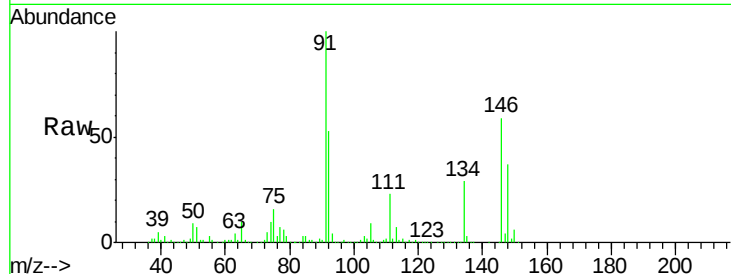
ClientSampled :

ICVVX030619

Tot Ion:	146	Resp:	396029
Ion Ratio	Lower	Upper	
146	100		
111	39.1	19.6	58.8
148	63.8	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 49.442 ug/l

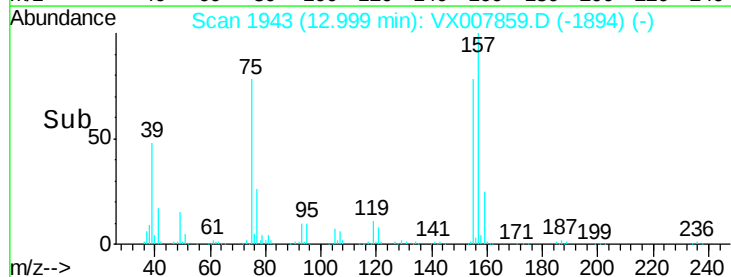
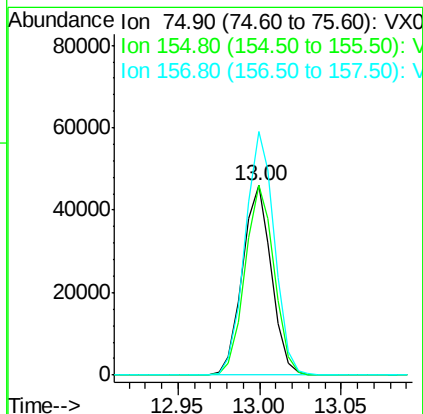
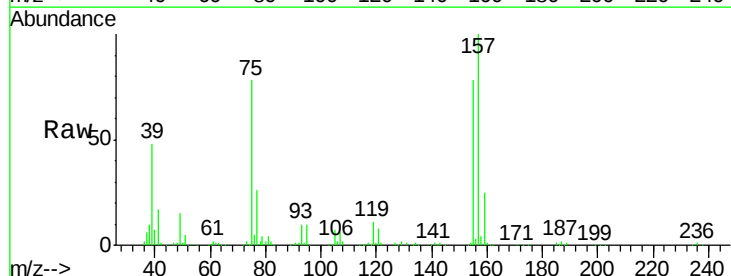
RT: 13.00 min Scan# 1943

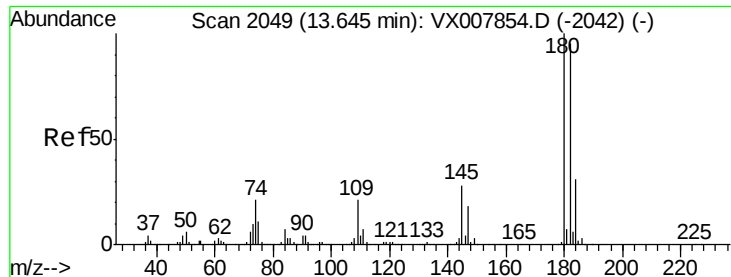
Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Tgt Ion:	75	Resp:	56789
Ion Ratio	Lower	Upper	
75	100		
155	101.3	49.7	149.1
157	130.5	63.8	191.4





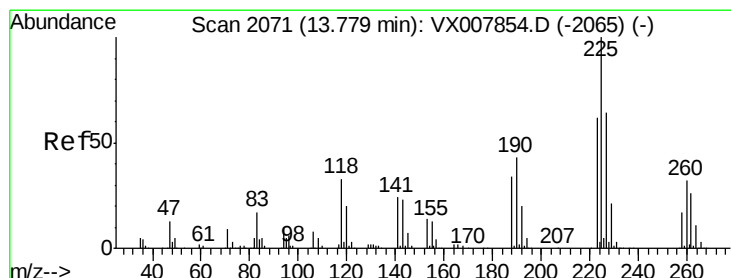
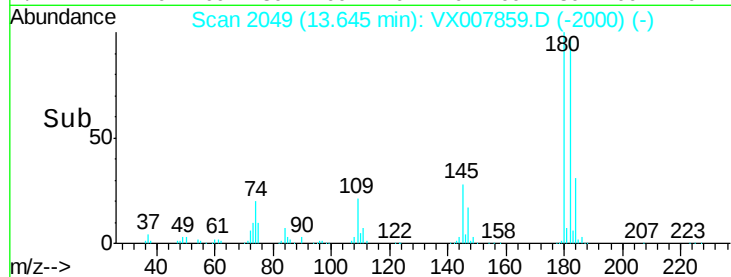
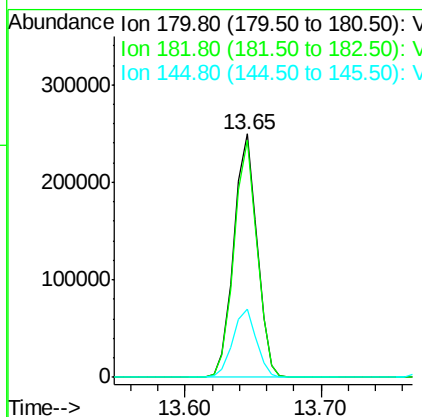
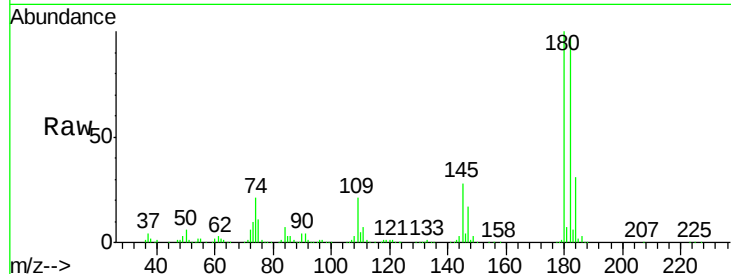
#93
 1,2,4-Trichlorobenzene
 Concen: 55.091 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007859.D
 Acq: 06 Mar 2019 13:39

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX030619

Tot Ion	Ratio	Resp	Lower	Upper
180	100	297121		
182	96.5	47.9	143.7	
145	28.4	14.1	42.4	

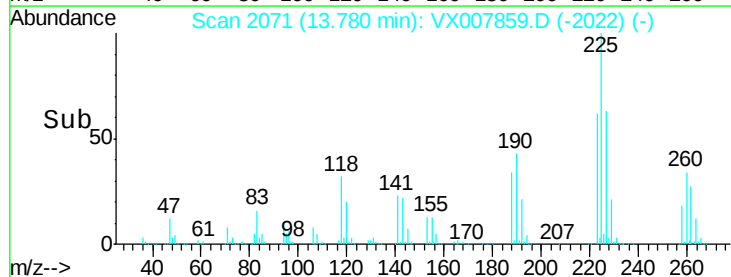
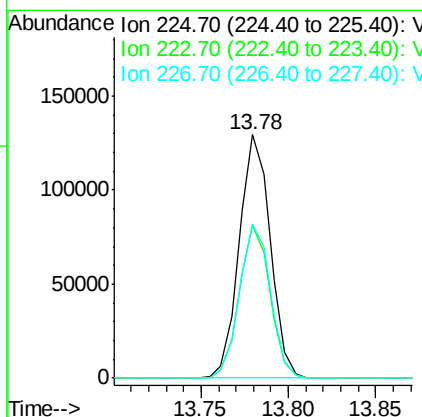
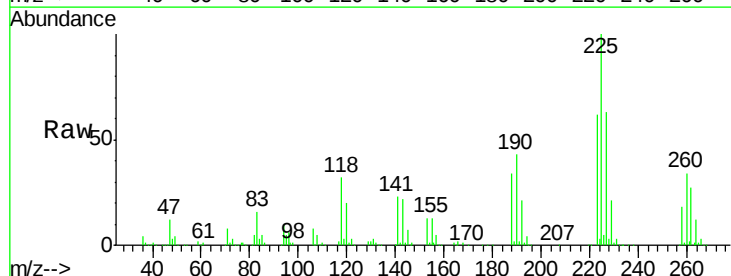
Manual Integrations
 APPROVED

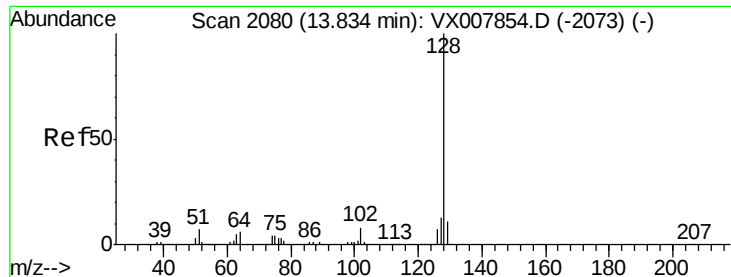
MMDadoda
 3/7/2019 10:35:18 AM



#94
 Hexachlorobutadiene
 Concen: 56.453 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007859.D
 Acq: 06 Mar 2019 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	159183		
223	62.0	31.1	93.2	
227	63.3	32.0	96.0	





#95

Naphthalene

Concen: 54.167 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Instrument :

MSVOA_X

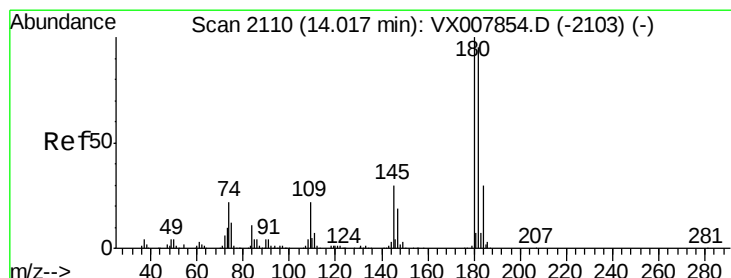
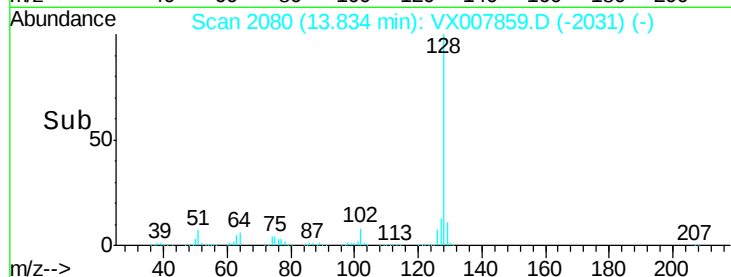
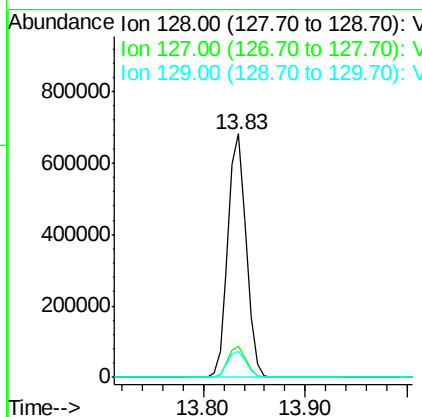
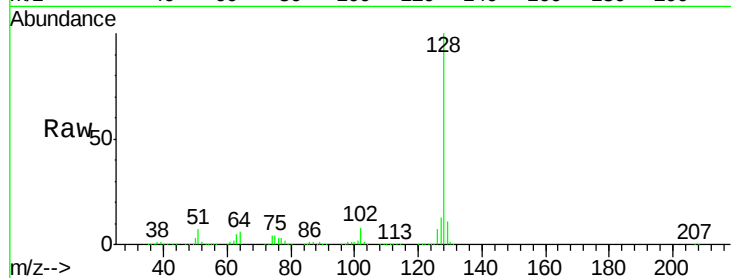
ClientSampleId :

ICVVX030619

Tot Ion:	128	Resp:	841748
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:35:18 AM



#96

1,2,3-Trichlorobenzene

Concen: 54.016 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007859.D

Acq: 06 Mar 2019 13:39

Tgt Ion:	180	Resp:	290208
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.5	142.5
145	29.9	14.8	44.3

