

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030719\
 Data File : VX007898.D
 Acq On : 07 Mar 2019 22:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 9:39:58 AM

Quant Time: Mar 08 07:06:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	272876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	404053	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	351273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177296	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	141340	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
35) Dibromofluoromethane	5.50	113	126192	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
50) Toluene-d8	8.71	98	465569	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
62) 4-Bromofluorobenzene	11.13	95	164417	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	112664	48.326	ug/l	99
3) Chloromethane	1.33	50	143456	47.749	ug/l	99
4) Vinyl Chloride	1.41	62	149014	49.917	ug/l	99
5) Bromomethane	1.64	94	70350	50.223	ug/l	99
6) Chloroethane	1.72	64	104130	52.507	ug/l	99
7) Trichlorofluoromethane	1.93	101	193599	49.811	ug/l	97
8) Diethyl Ether	2.19	74	85860	51.015	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	116639	48.427	ug/l	99
10) Methyl Iodide	2.51	142	182618	53.446	ug/l	100
11) Tert butyl alcohol	3.07	59	160844	249.856	ug/l	100
12) 1,1-Dichloroethene	2.37	96	115389	49.701	ug/l	99
13) Acrolein	2.30	56	67239	184.973	ug/l	99
14) Allyl chloride	2.73	41	241124	49.425	ug/l	99
15) Acrylonitrile	3.15	53	401626	247.172	ug/l	100
16) Acetone	2.45	43	333300	200.043	ug/l	99
17) Carbon Disulfide	2.57	76	360014	51.074	ug/l	100
18) Methyl Acetate	2.78	43	184158	52.027	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	409024	51.211	ug/l	100
20) Methylene Chloride	2.86	84	129874	48.978	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	123883	48.495	ug/l	99
22) Diisopropyl ether	3.87	45	453369	50.696	ug/l	99
23) Vinyl Acetate	3.82	43	1981284	252.643	ug/l	100
24) 1,1-Dichloroethane	3.70	63	243400	50.576	ug/l	99
25) 2-Butanone	4.70	43	549939	233.141	ug/l	100
26) 2,2-Dichloropropane	4.59	77	141527	44.388	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	145940	49.925	ug/l	98
28) Bromochloromethane	5.02	49	111749	49.807	ug/l	100
29) Tetrahydrofuran	5.15	42	370547	251.841	ug/l	100
30) Chloroform	5.21	83	231524	50.857	ug/l	100
31) Cyclohexane	5.57	56	221090	49.985	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	194378	51.461	ug/l	99
36) 1,1-Dichloropropene	5.80	75	176190	48.158	ug/l	100
37) Ethyl Acetate	4.85	43	208470	48.016	ug/l	100
38) Carbon Tetrachloride	5.78	117	173229	49.873	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	212883	48.020	ug/l	99
40) Benzene	6.14	78	540482	49.622	ug/l	100
41) Methacrylonitrile	5.06	41	117266	49.540	ug/l	99
42) 1,2-Dichloroethane	6.20	62	175608	49.300	ug/l	100
43) Isopropyl Acetate	6.46	43	322711	50.224	ug/l	100
44) Trichloroethene	7.21	130	146010	48.644	ug/l	100
45) 1,2-Dichloropropane	7.52	63	145239	50.487	ug/l	98
46) Dibromomethane	7.66	93	90179	49.534	ug/l	100
47) Bromodichloromethane	7.90	83	175253	50.773	ug/l	100
48) Methyl methacrylate	7.77	41	168227	49.797	ug/l	99
49) 1,4-Dioxane	7.75	88	67670	975.113	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	1035422	250.570	ug/l	100
52) Toluene	8.79	92	330477	49.698	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	186533	51.776	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	209911	51.596	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	135869	50.473	ug/l	99
56) Ethyl methacrylate	9.18	69	210651	52.119	ug/l	99
57) 1,3-Dichloropropane	9.37	76	225690	49.933	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	532570	254.732	ug/l	100
59) 2-Hexanone	9.49	43	773504	241.102	ug/l	100
60) Dibromochloromethane	9.59	129	147722	52.502	ug/l	100
61) 1,2-Dibromoethane	9.67	107	143543	50.224	ug/l	100
64) Tetrachloroethene	9.34	164	140727	48.344	ug/l	98
65) Chlorobenzene	10.14	112	360346	49.022	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	135286	51.352	ug/l	99
67) Ethyl Benzene	10.25	91	611873	50.568	ug/l	99
68) m/p-Xylenes	10.36	106	472372	101.282	ug/l	100
69) o-Xylene	10.69	106	228379	50.720	ug/l	100
70) Styrene	10.71	104	378363	51.351	ug/l	100
71) Bromoform	10.85	173	116020	51.282	ug/l #	99
73) Isopropylbenzene	11.02	105	610921	50.949	ug/l	100
74) N-amyl acetate	10.90	43	276122	50.441	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	200177	48.398	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	192188m	51.658	ug/l	
77) Bromobenzene	11.26	156	161733	49.197	ug/l	99
78) n-propylbenzene	11.36	91	680393	51.148	ug/l	100
79) 2-Chlorotoluene	11.42	91	404132	49.688	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	500465	50.710	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	57986	49.820	ug/l	99
82) 4-Chlorotoluene	11.51	91	465953	49.990	ug/l	100
83) tert-Butylbenzene	11.77	119	497149	50.010	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	515583	50.962	ug/l	100
85) sec-Butylbenzene	11.94	105	606262	51.781	ug/l	99
86) p-Isopropyltoluene	12.06	119	542287	51.718	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	285005	49.004	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	282720	47.467	ug/l	99
89) n-Butylbenzene	12.38	91	454546	51.168	ug/l	100
90) Hexachloroethane	12.60	117	90453	51.595	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	282187	48.840	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	42044	48.639	ug/l	97

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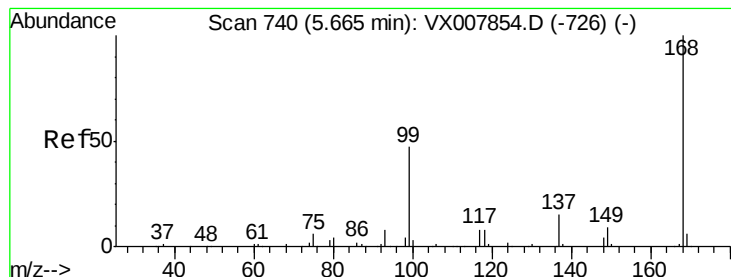
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	200289	49.346	ug/l	100
94) Hexachlorobutadiene	13.78	225	105340	49.641	ug/l	99
95) Naphthalene	13.83	128	603171	51.576	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	203288	50.278	ug/l	99

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



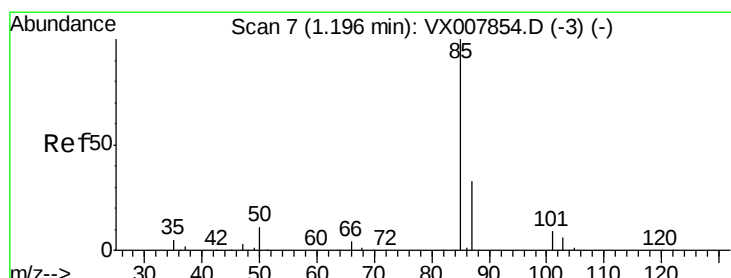
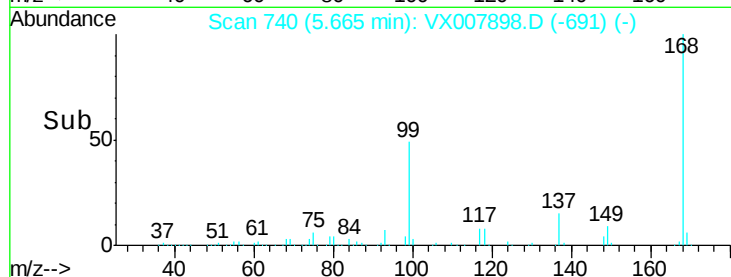
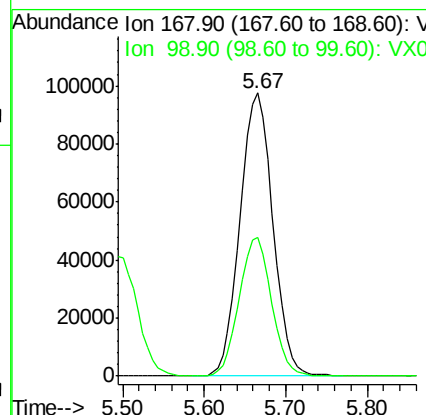
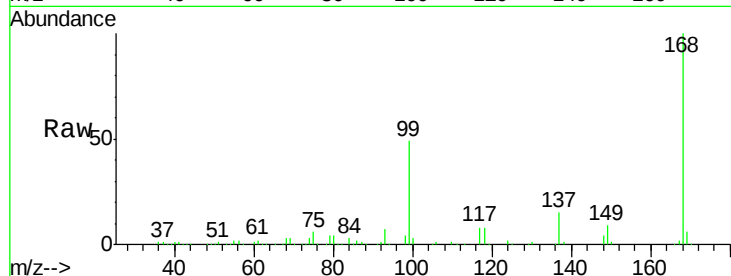
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	48.8	37.6	56.4

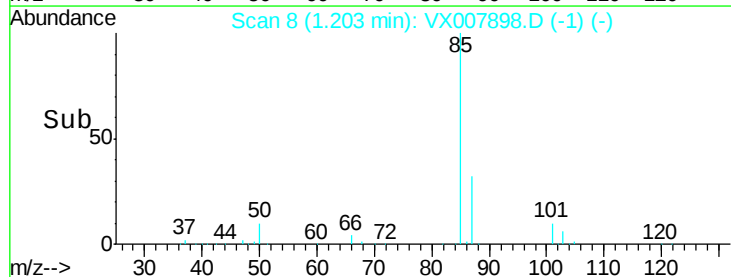
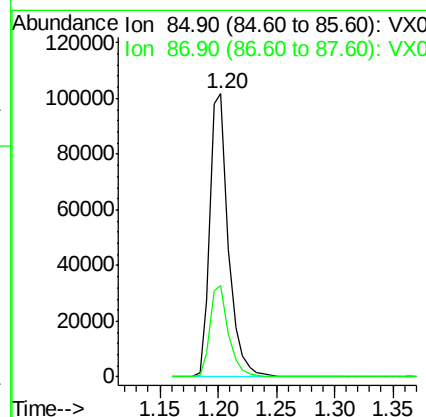
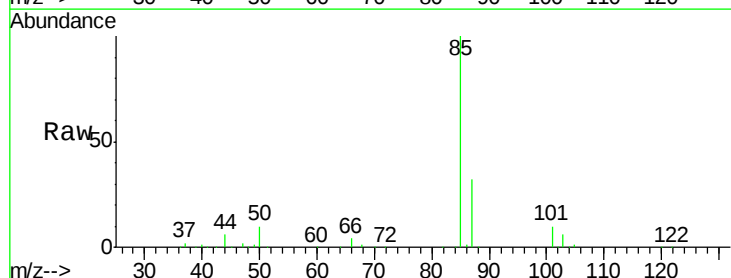
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#2
Dichlorodifluoromethane
Concen: 48.326 ug/l
RT: 1.20 min Scan# 8
Delta R.T. 0.01 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.4	49.1





#3

Chloromethane

Concen: 47.749 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 143456

Ion Ratio Lower Upper

50 100

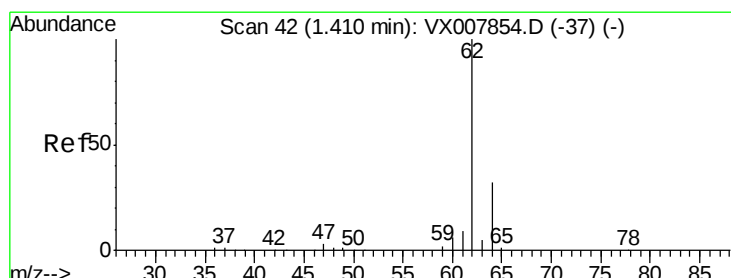
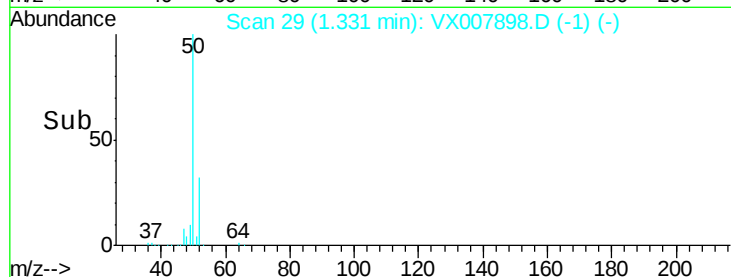
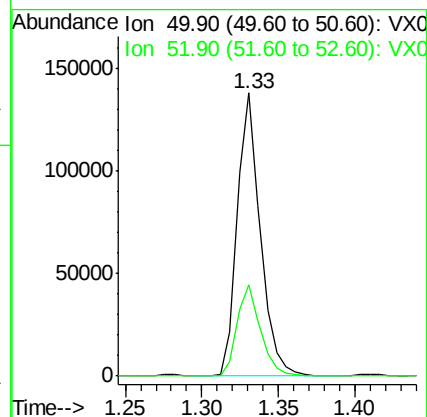
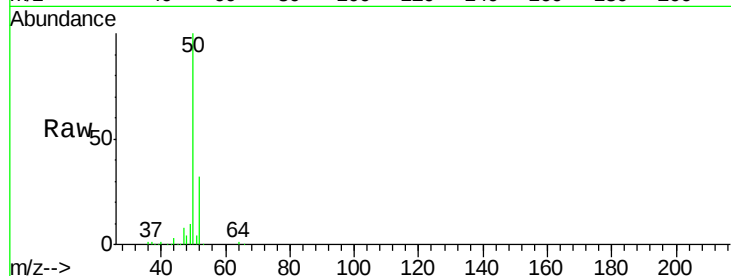
52 32.5 26.5 39.7

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#4

Vinyl Chloride

Concen: 49.917 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007898.D

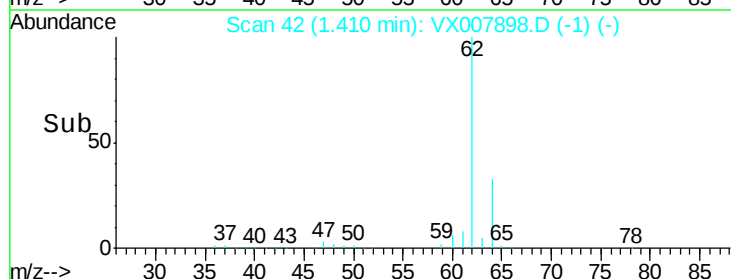
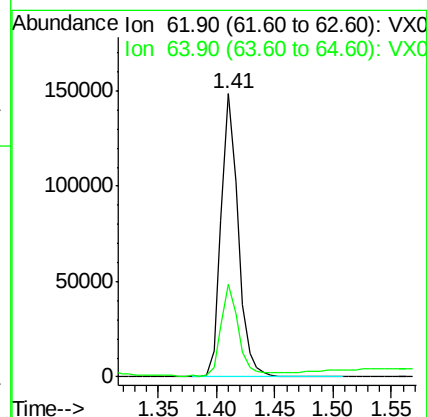
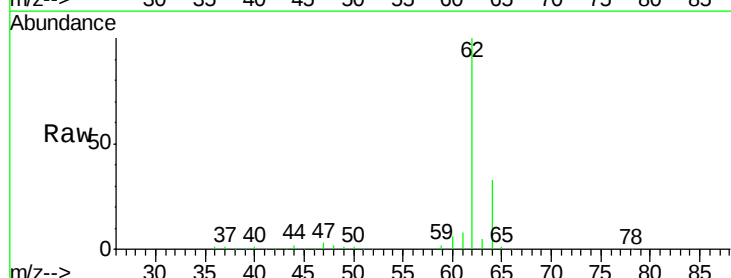
Acq: 07 Mar 2019 22:04

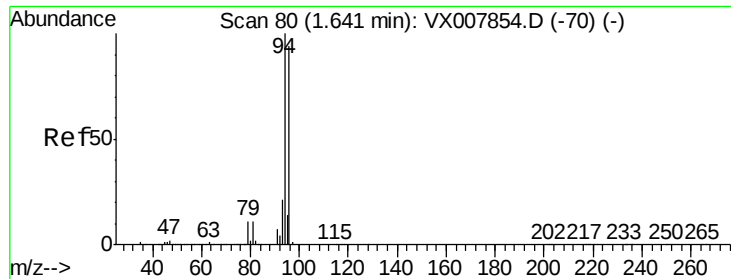
Tgt Ion: 62 Resp: 149014

Ion Ratio Lower Upper

62 100

64 32.3 25.3 37.9





#5

Bromomethane

Concen: 50.223 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 70350

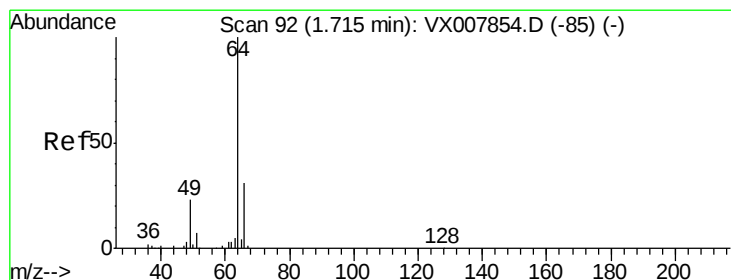
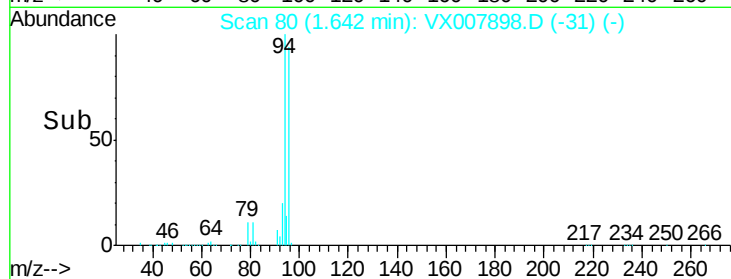
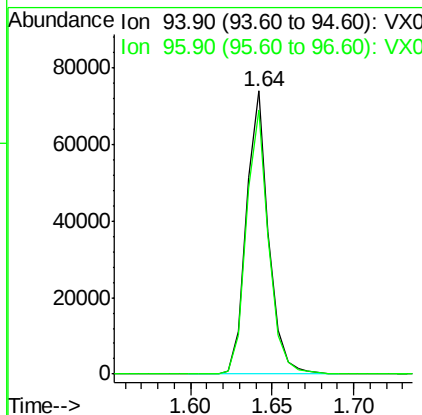
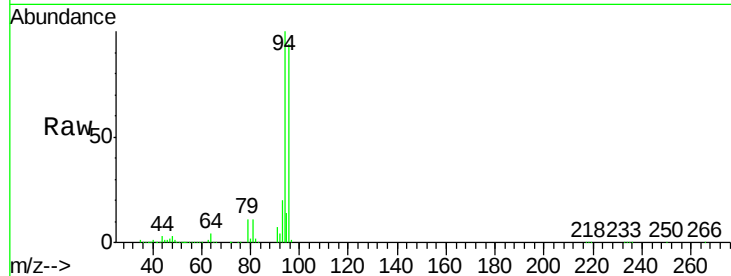
Ion Ratio Lower Upper

94 100

96 93.5 75.5 113.3

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#6

Chloroethane

Concen: 52.507 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX007898.D

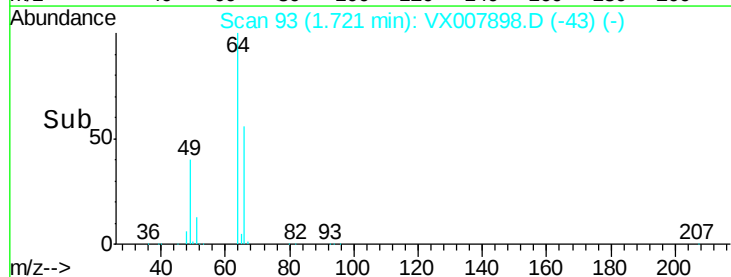
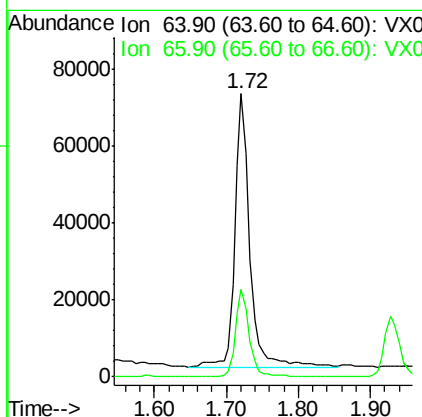
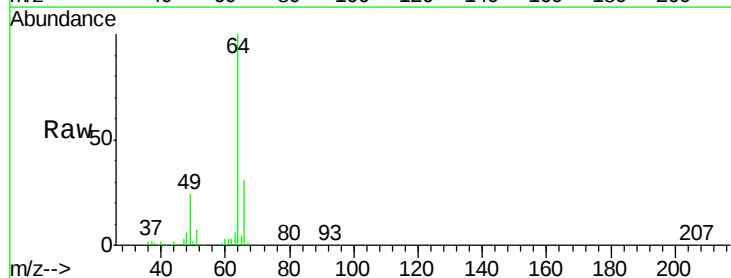
Acq: 07 Mar 2019 22:04

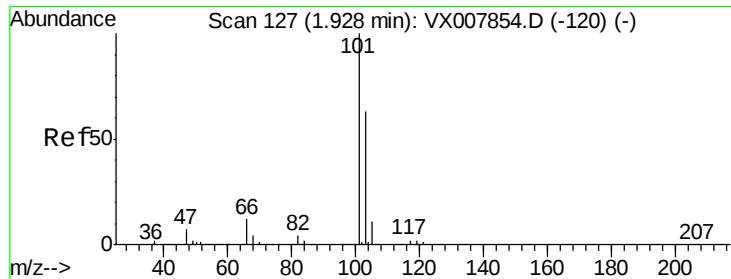
Tgt Ion: 64 Resp: 104130

Ion Ratio Lower Upper

64 100

66 31.8 25.2 37.8





#7

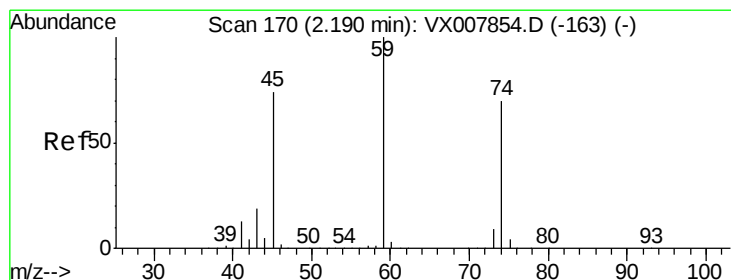
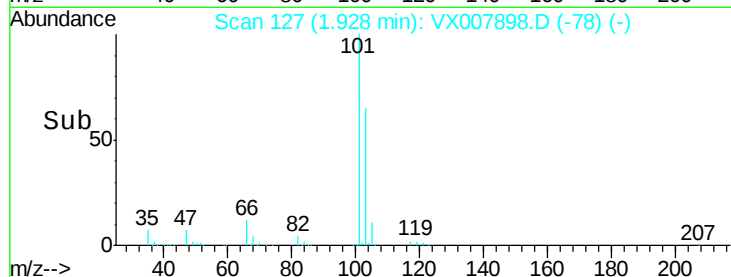
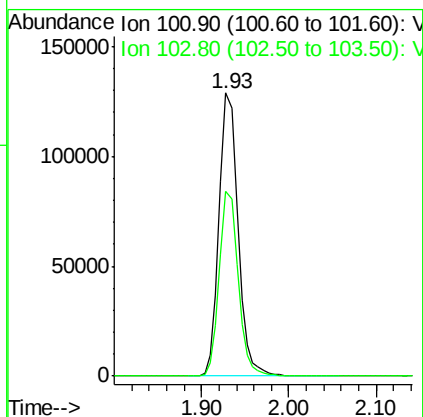
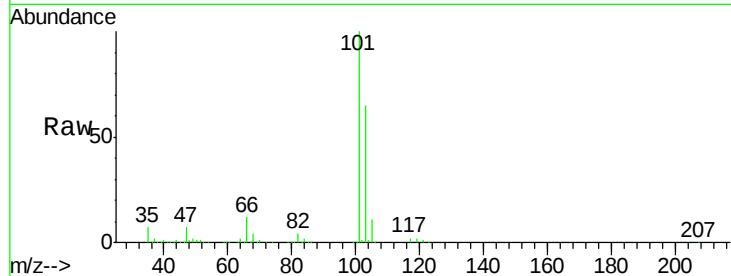
Trichlorofluoromethane
Concen: 49.811 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	50.4	75.6

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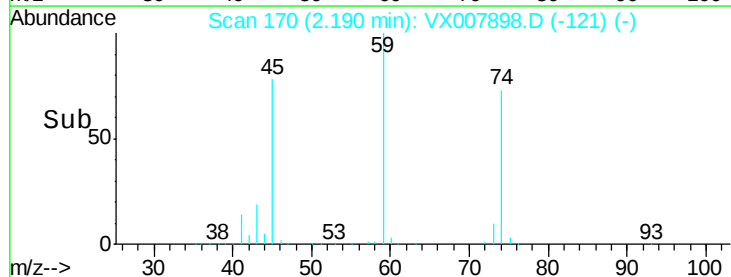
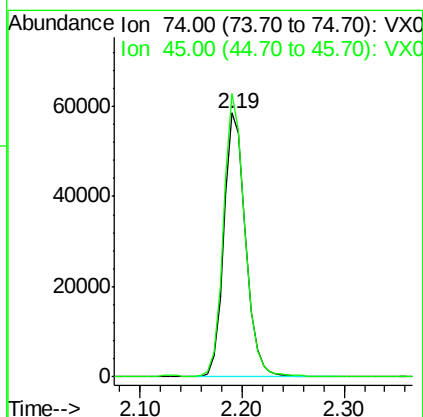
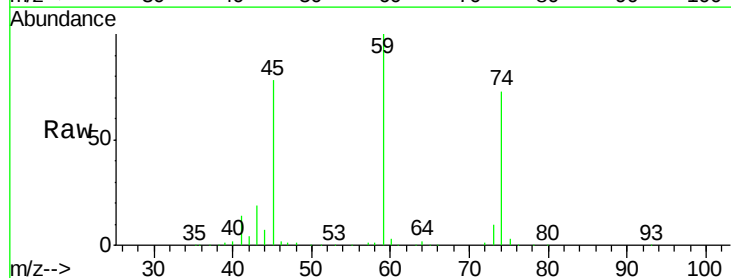
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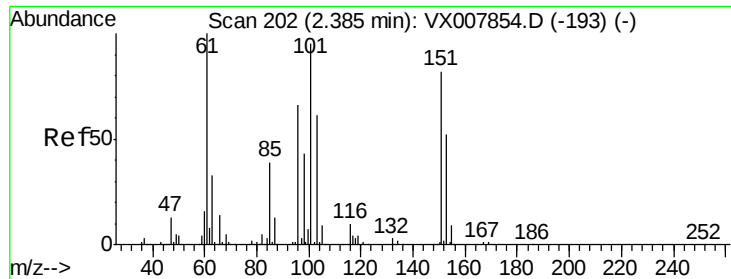


#8

Diethyl Ether
Concen: 51.015 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.7	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.427 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Instrument :

MSVOA_X

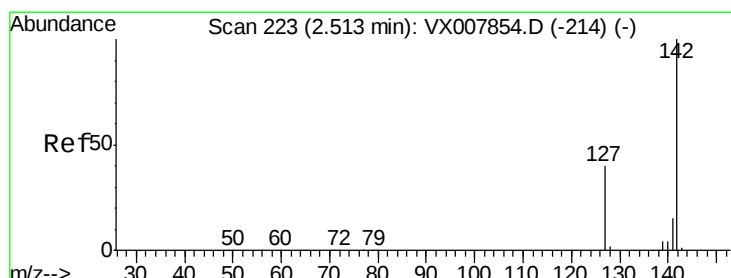
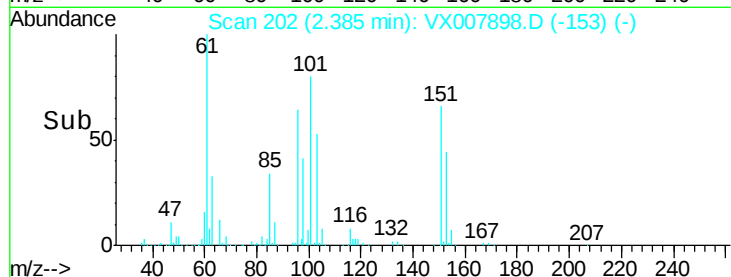
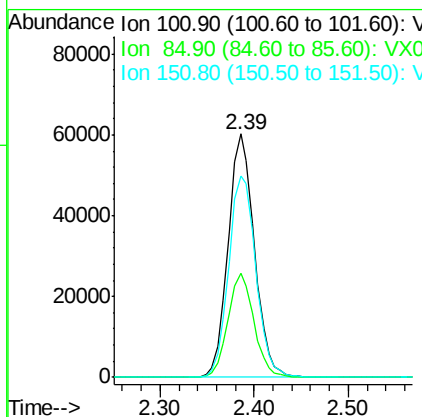
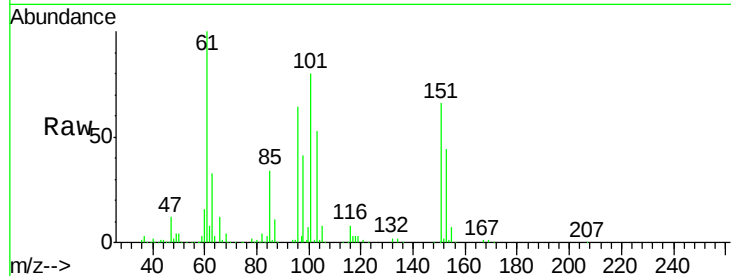
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	116639
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.8	50.6
151	85.9	69.1	103.7

Manual Integrations
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#10

Methyl Iodide

Concen: 53.446 ug/l

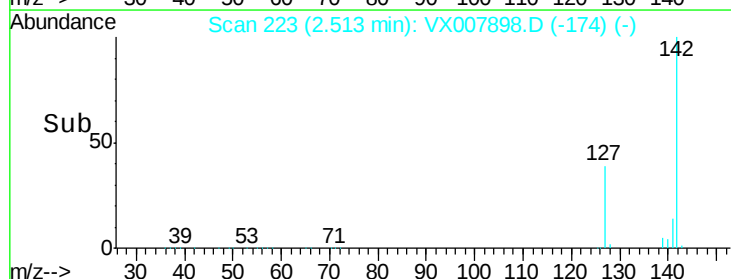
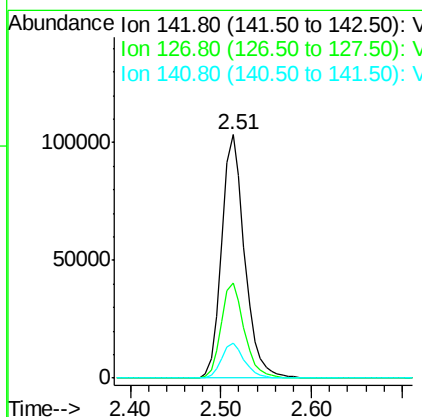
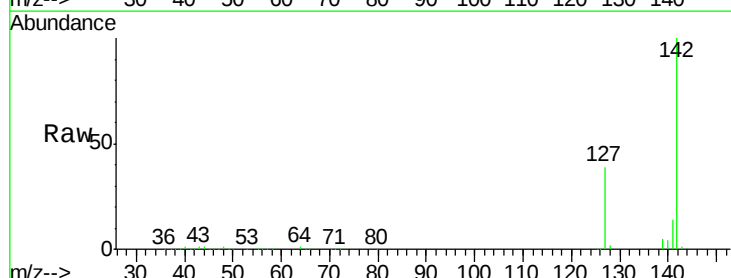
RT: 2.51 min Scan# 223

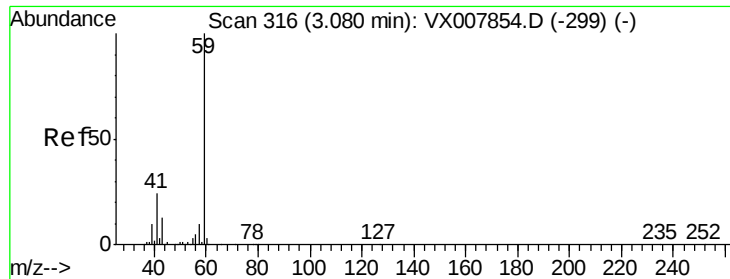
Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Tgt Ion:	142	Resp:	182618
Ion Ratio	Lower	Upper	
142	100		
127	39.8	32.1	48.1
141	14.2	11.4	17.2





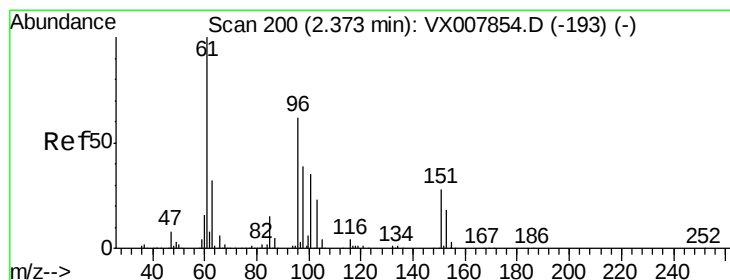
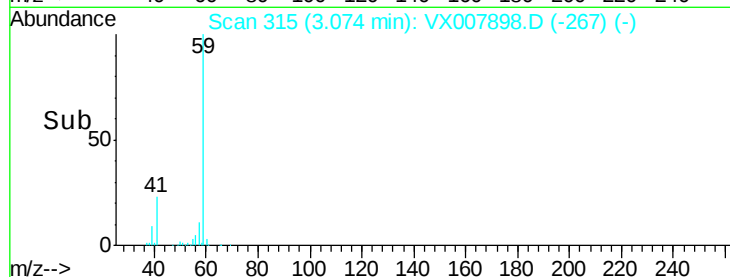
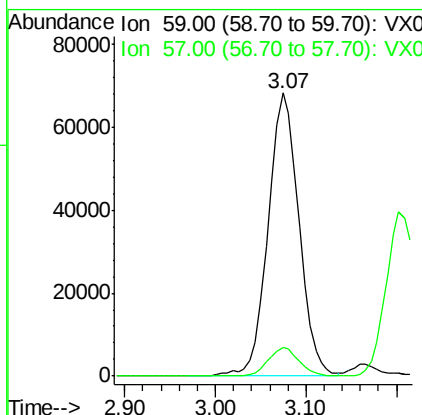
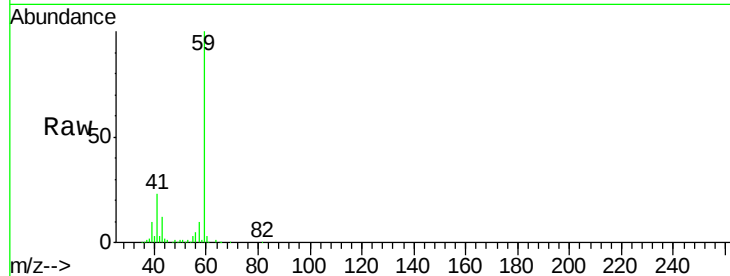
#11
Tert butyl alcohol
Concen: 249.856 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.2

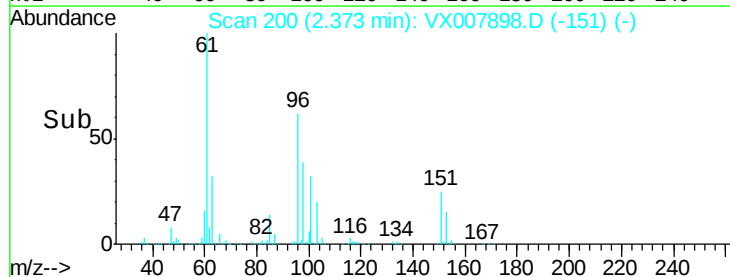
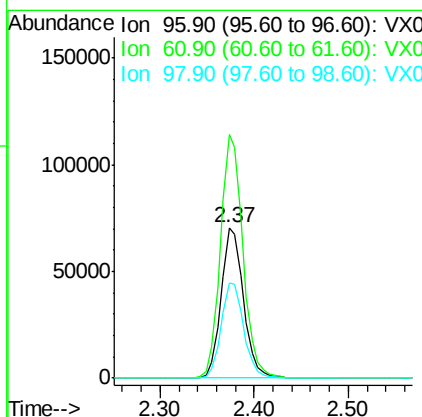
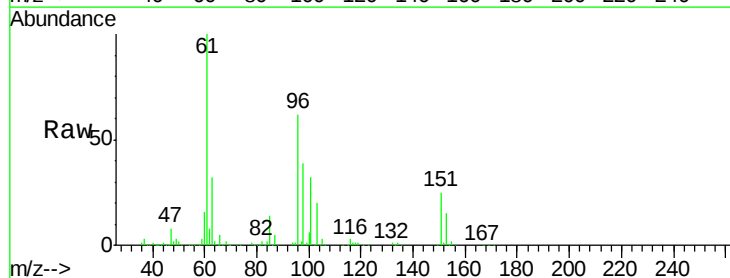
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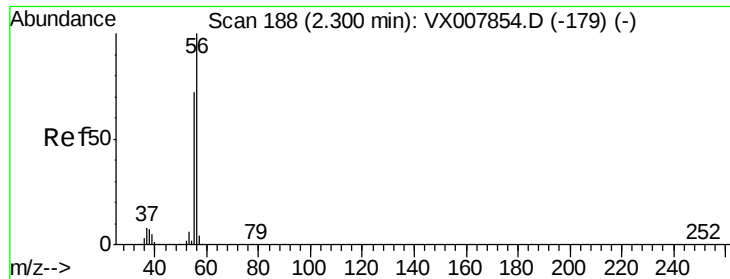
MMDadoda
3/8/2019 9:39:58 AM



#12
1,1-Dichloroethene
Concen: 49.701 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.5	129.8	194.6
98	63.0	51.0	76.6





#13

Acrolein

Concen: 184.973 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 67239

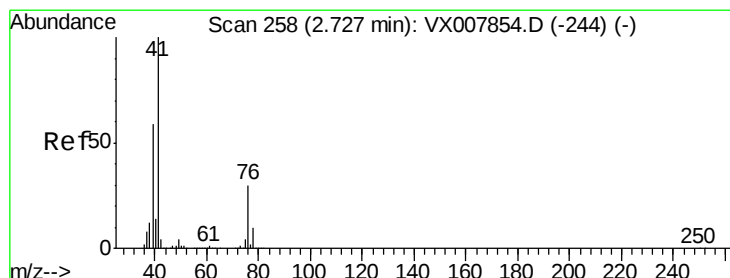
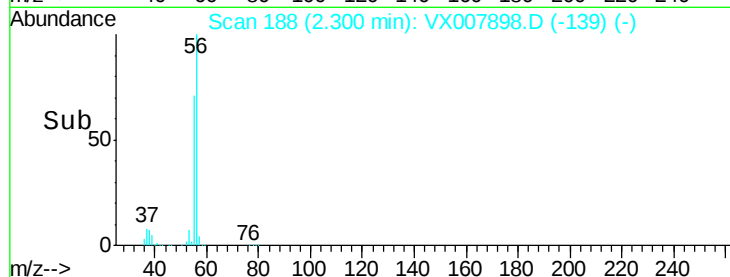
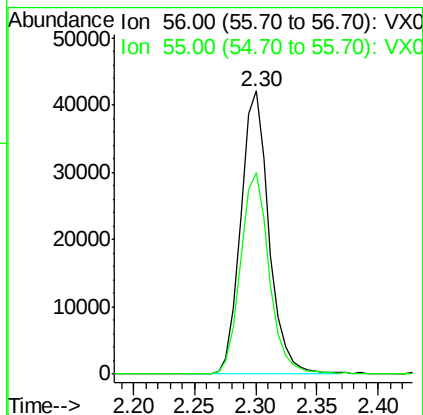
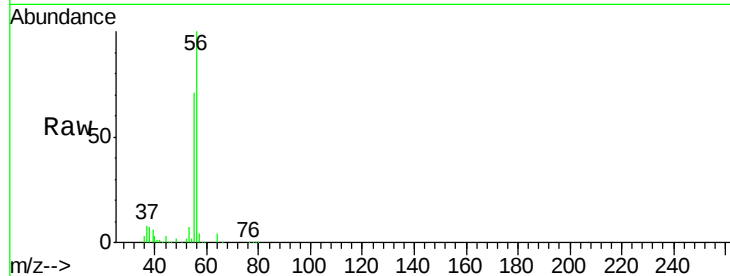
Ion Ratio Lower Upper

56 100

55 72.7 57.8 86.6

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#14

Allyl chloride

Concen: 49.425 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

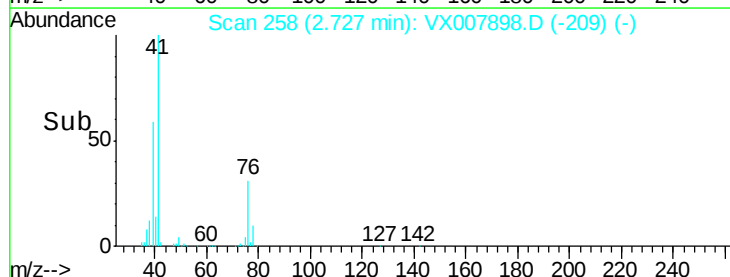
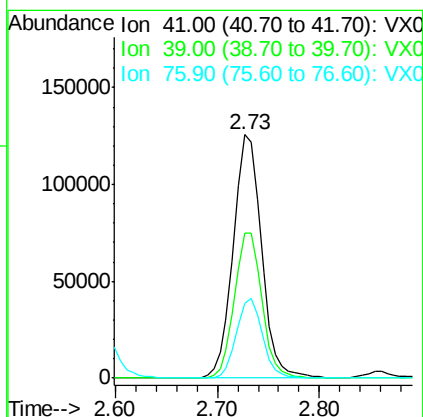
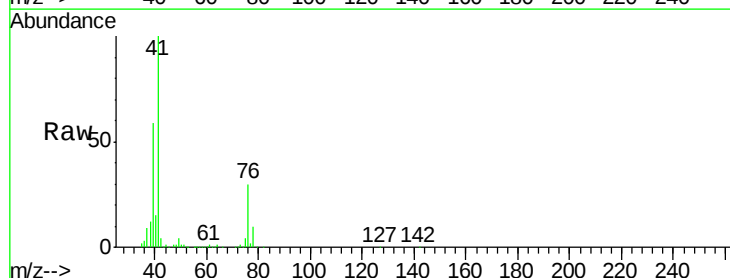
Tgt Ion: 41 Resp: 241124

Ion Ratio Lower Upper

41 100

39 58.2 46.1 69.1

76 30.3 24.0 36.0





#15

Acrylonitrile

Concen: 247.172 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Instrument :

MSVOA_X

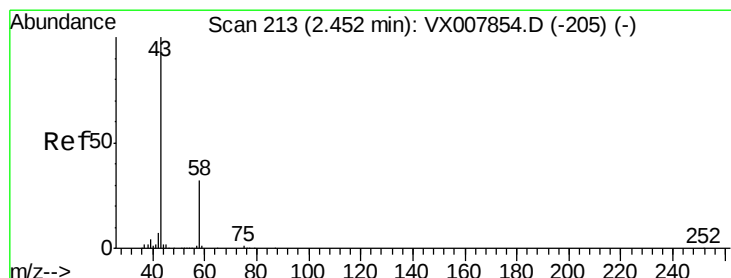
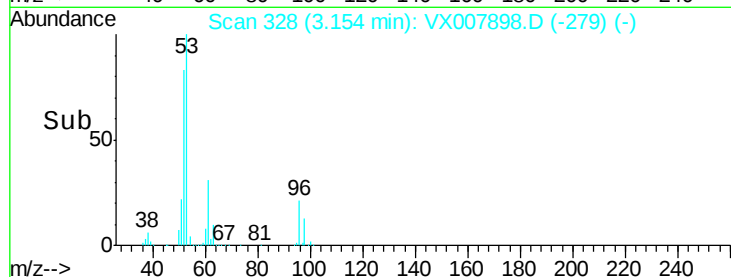
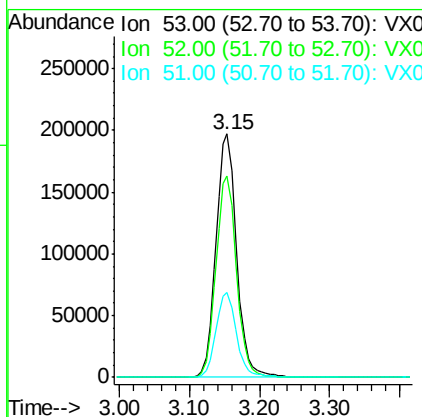
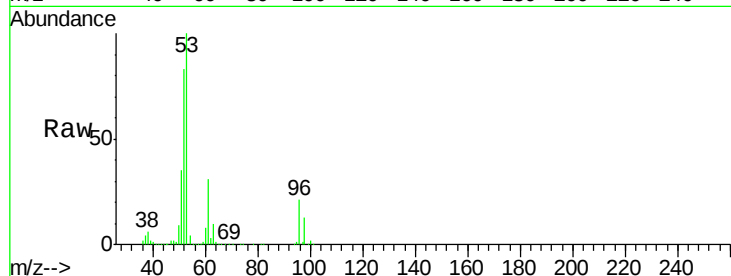
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	401626
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.0	99.0
51	34.9	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 200.043 ug/l

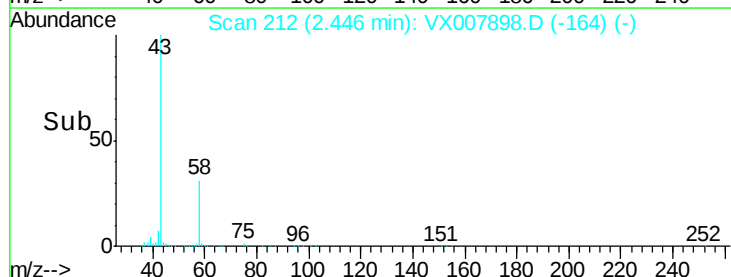
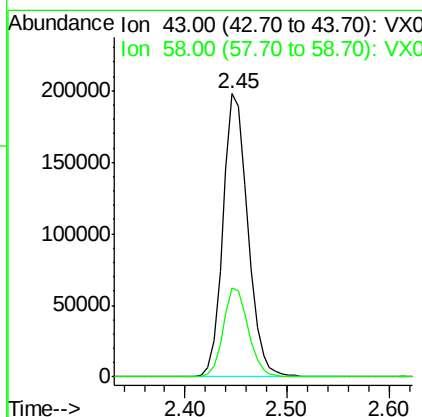
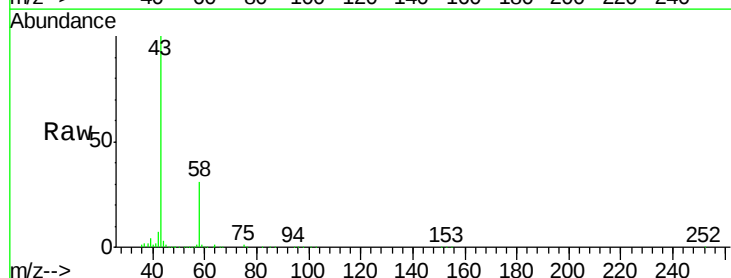
RT: 2.45 min Scan# 212

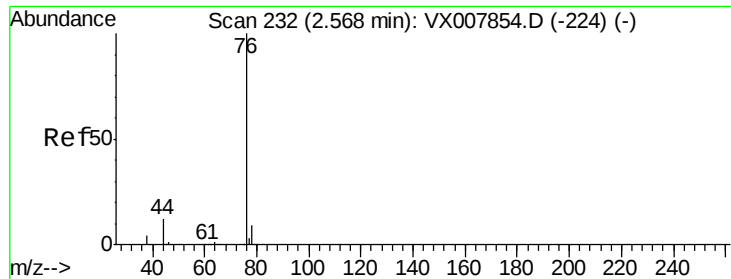
Delta R.T. -0.01 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Tgt Ion:	43	Resp:	333300
Ion Ratio	Lower	Upper	
43	100		
58	31.4	25.5	38.3





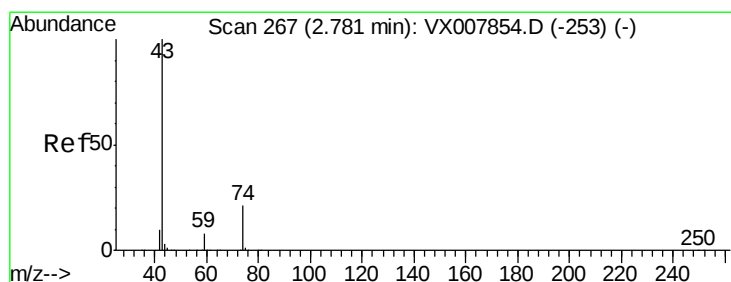
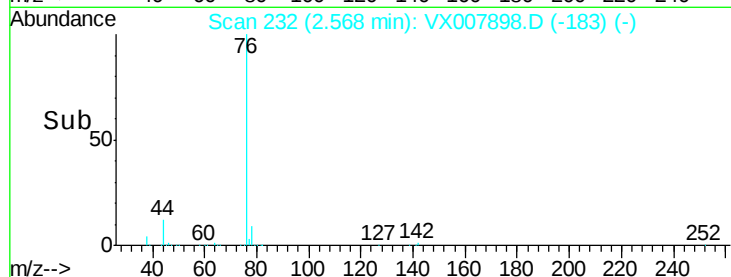
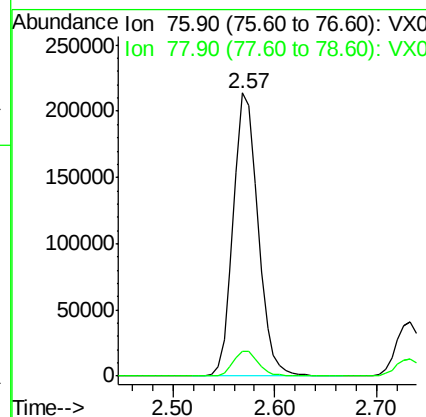
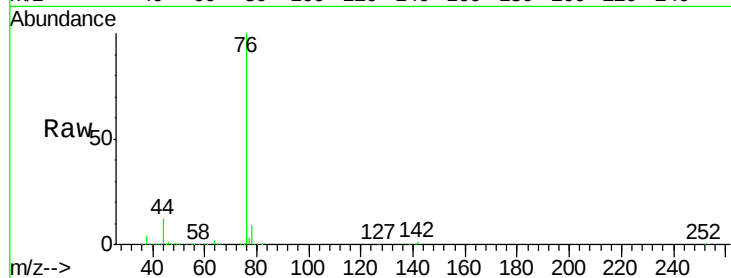
#17
Carbon Disulfide
Concen: 51.074 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

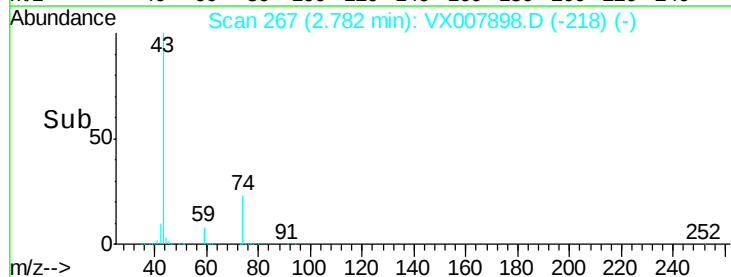
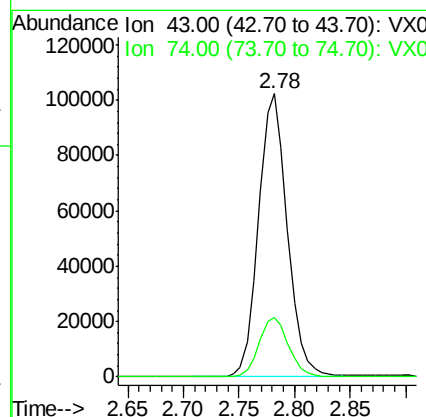
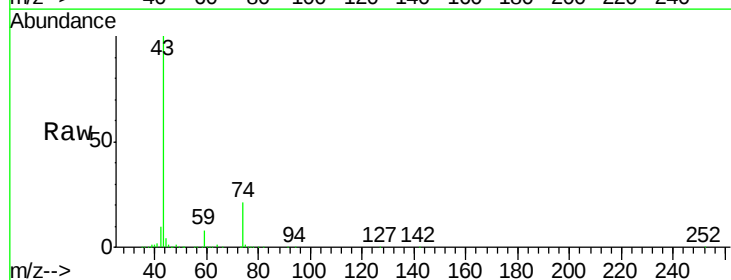
Manual Integrations
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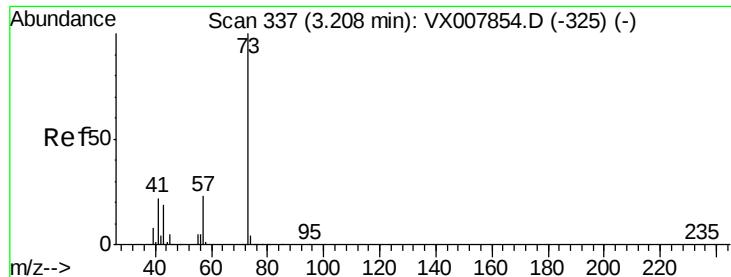
MMDadoda
3/8/2019 9:39:58 AM



#18
Methyl Acetate
Concen: 52.027 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.8	26.6





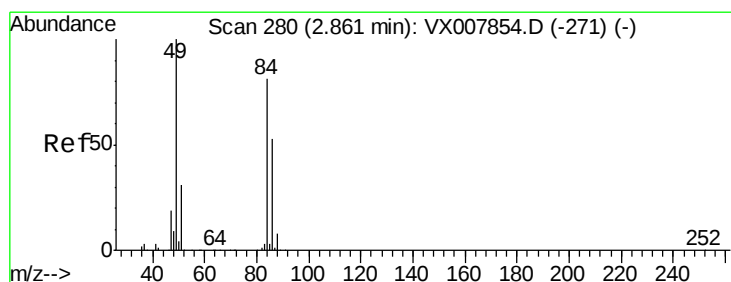
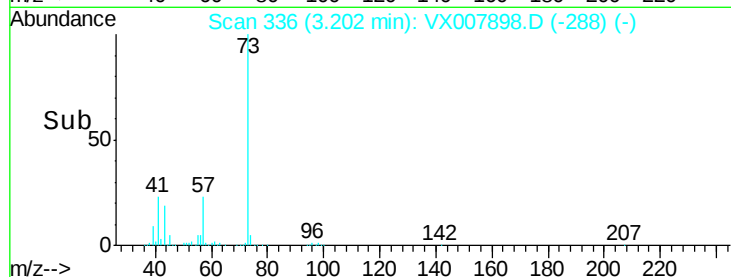
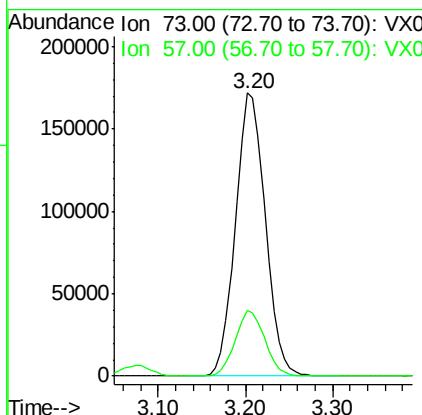
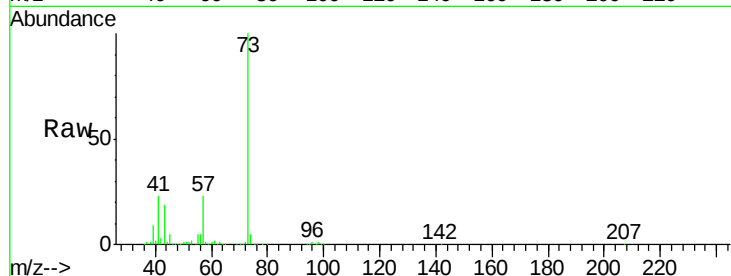
#19
Methvl tert-butvl Ether
Concen: 51.211 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.2	27.4

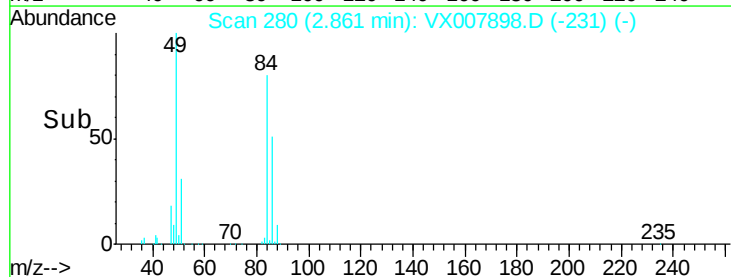
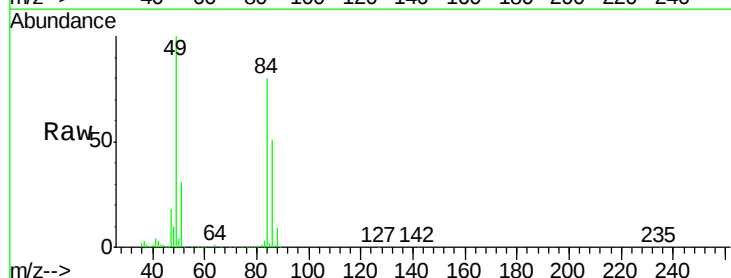
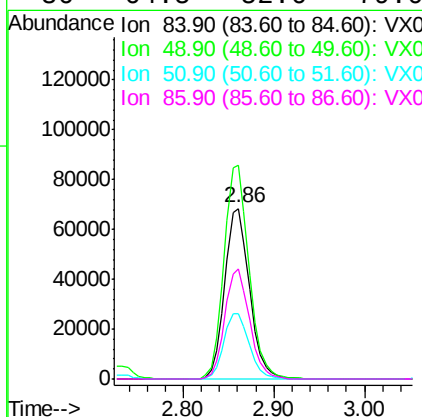
Manual Integrations
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3/8/2019 9:39:58 AM



#20
Methylene Chloride
Concen: 48.978 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.3	99.3	148.9
51	38.4	31.3	46.9
86	64.5	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 48.495 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Instrument :

MSVOA_X

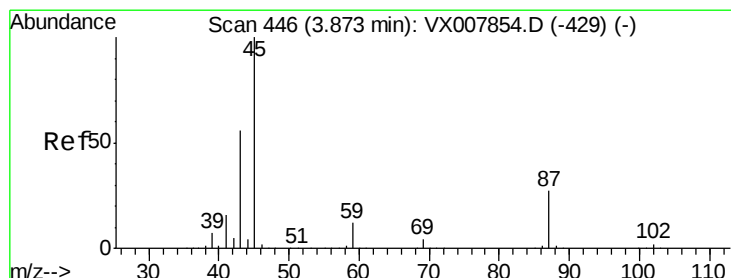
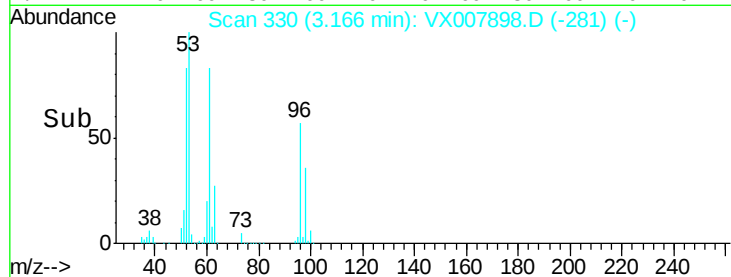
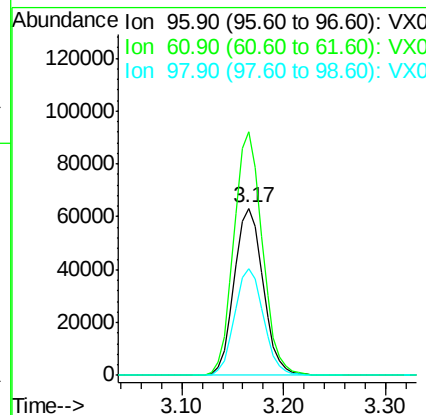
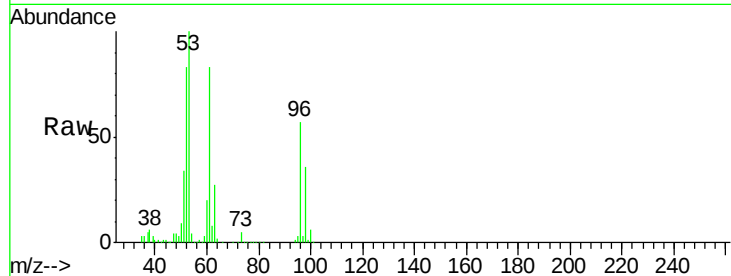
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	123883
Ion	Ratio	Lower	Upper
96	100		
61	145.4	114.4	171.6
98	63.9	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.696 ug/l

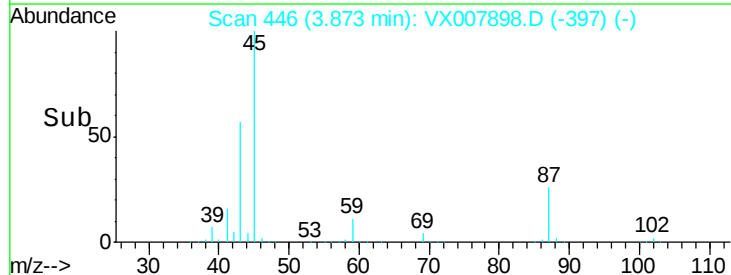
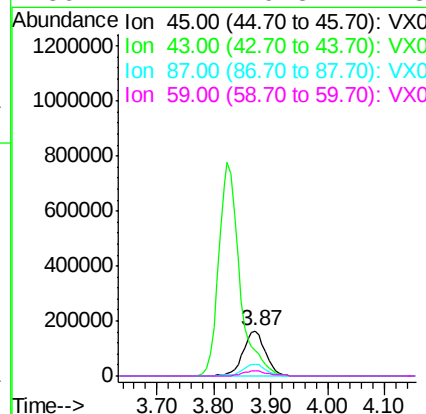
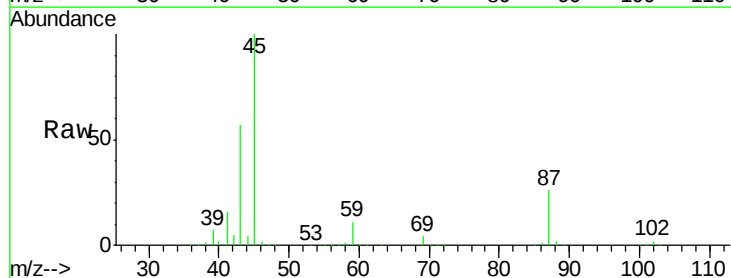
RT: 3.87 min Scan# 446

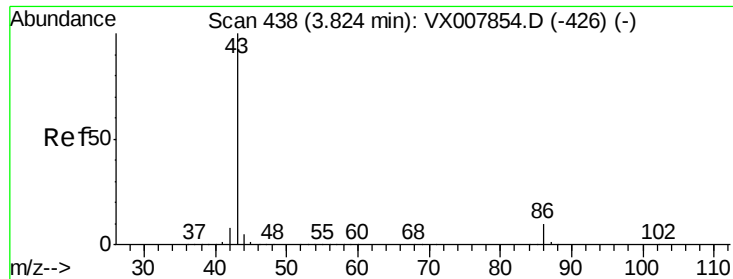
Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Tgt Ion:	45	Resp:	453369
Ion	Ratio	Lower	Upper
45	100		
43	57.1	45.3	67.9
87	26.1	21.4	32.0
59	11.1	9.5	14.3





#23

Vinyl Acetate

Concen: 252.643 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1981284

Ion Ratio Lower Upper

43 100

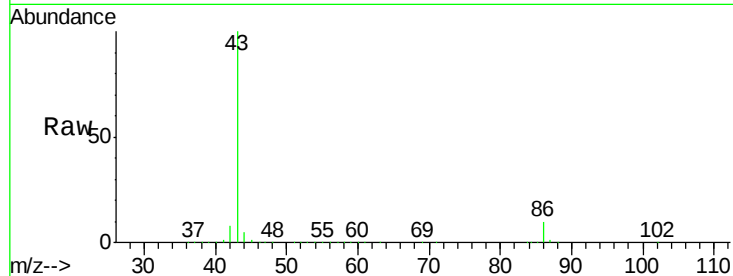
86 9.9 7.9 11.9

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

800000

600000

400000

200000

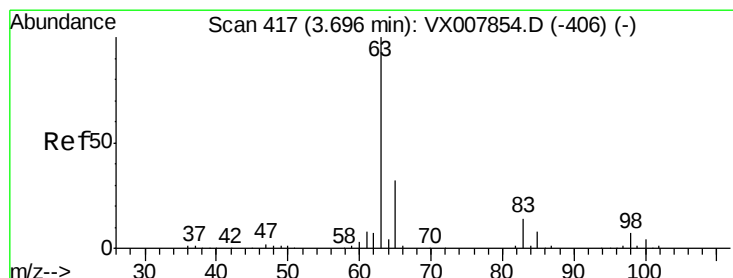
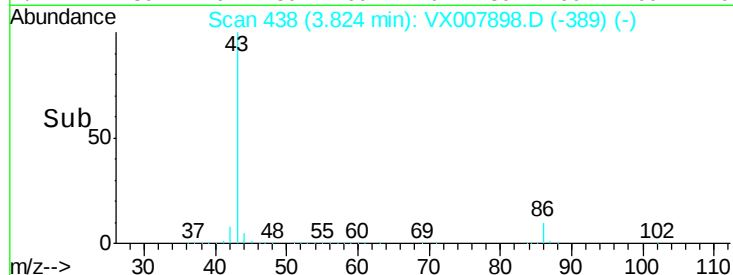
0

3.82

3.80

4.00

Time-->



#24

1,1-Dichloroethane

Concen: 50.576 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

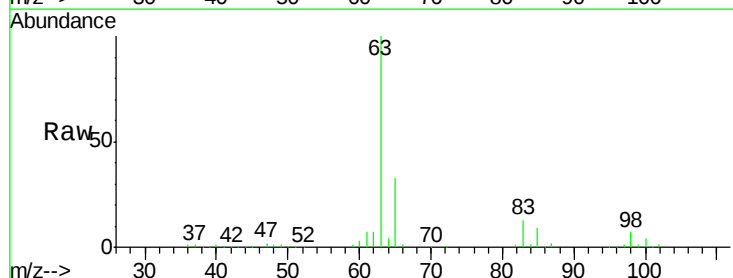
Tgt Ion: 63 Resp: 243400

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

100 4.4 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

100000

50000

0

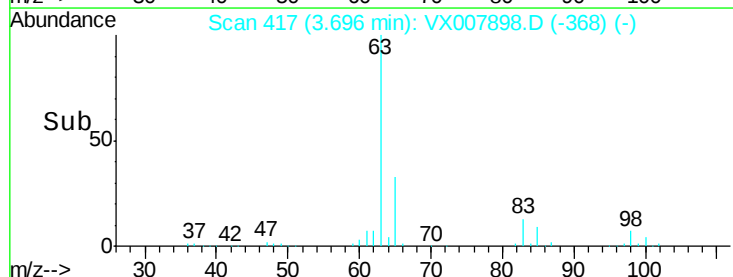
3.70

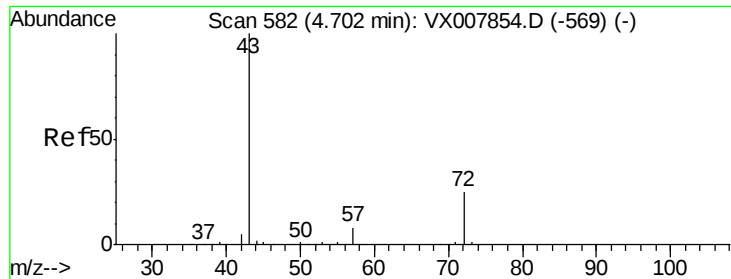
3.60

3.80

3.90

Time-->





#25

2-Butanone

Concen: 233.141 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 549939

Ion Ratio Lower Upper

43 100

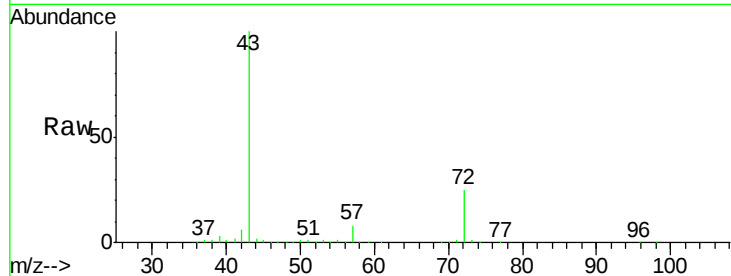
72 24.9 19.9 29.9

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

200000

150000

100000

50000

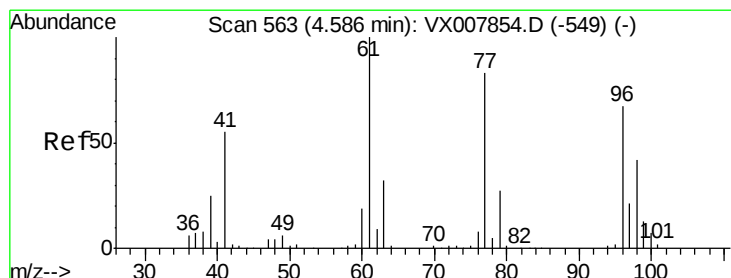
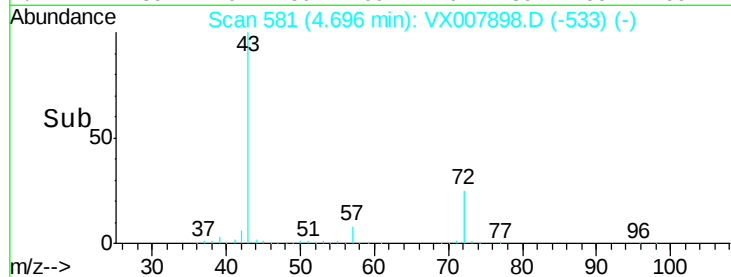
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 44.388 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007898.D

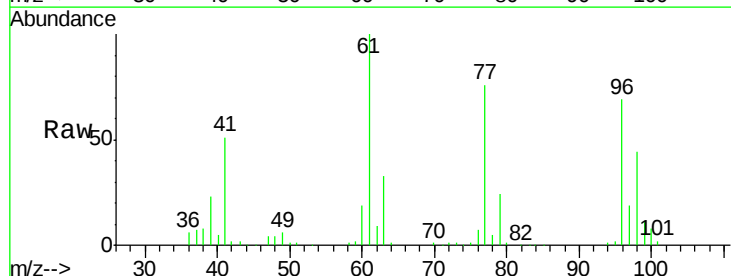
Acq: 07 Mar 2019 22:04

Tgt Ion: 77 Resp: 141527

Ion Ratio Lower Upper

77 100

97 25.1 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

20000

10000

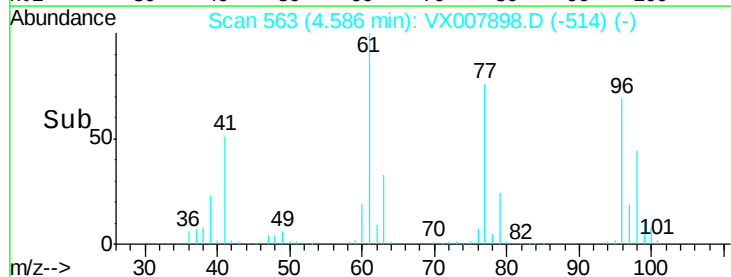
0

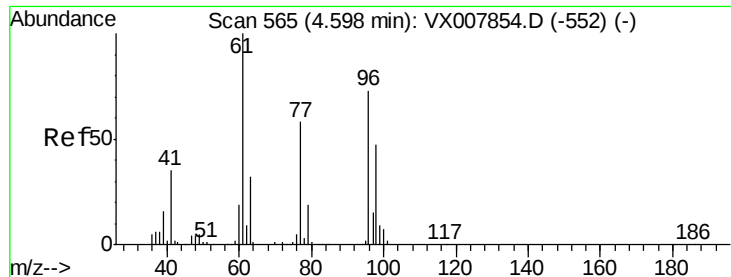
4.50

4.60

4.70

Time-->





#27

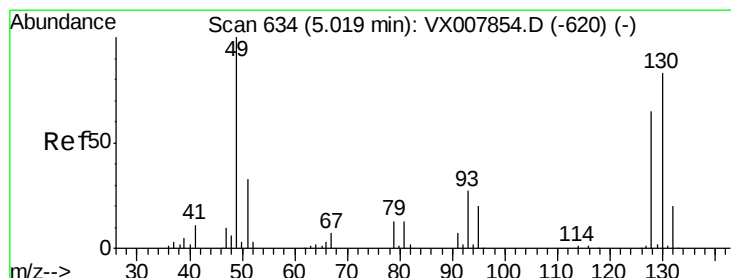
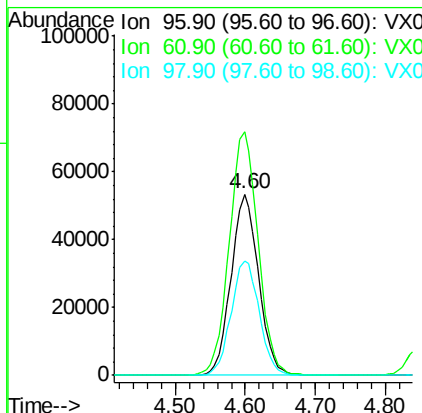
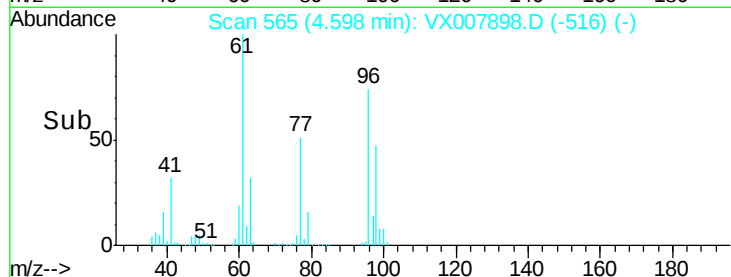
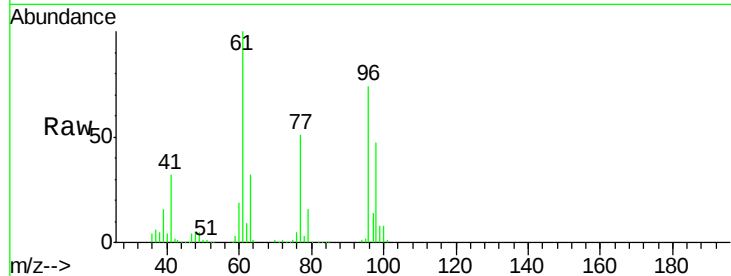
cis-1,2-Dichloroethene
Concen: 49.925 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	145940		
61	141.0	0.0	288.0	
98	64.6	0.0	129.0	

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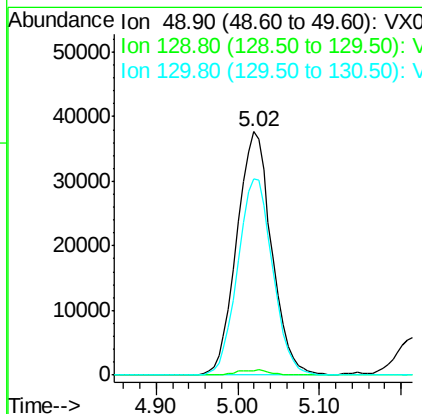
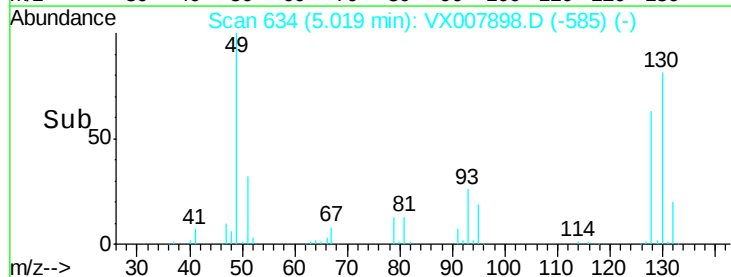
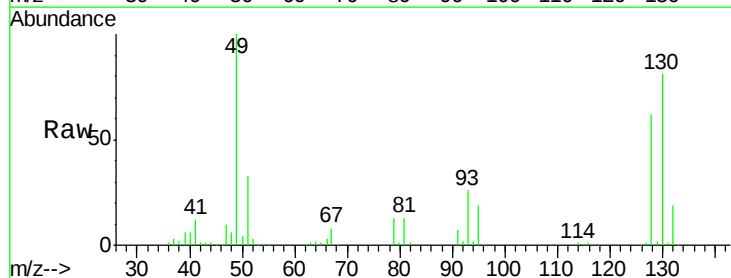
MMDadoda
3/8/2019 9:39:58 AM



#28

Bromochloromethane
Concen: 49.807 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	111749		
129	2.1	0.0	4.0	
130	81.0	65.0	97.4	





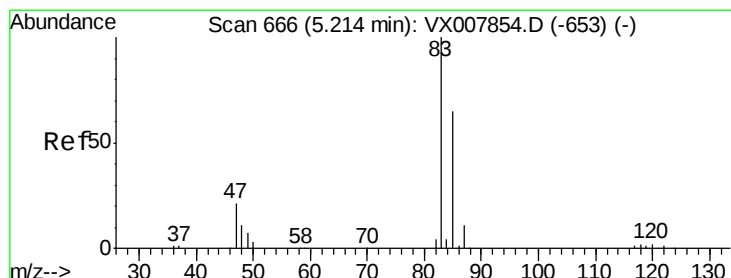
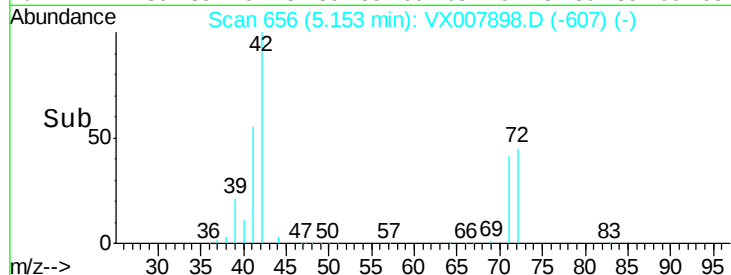
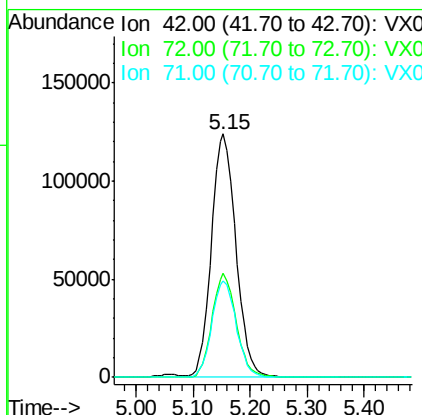
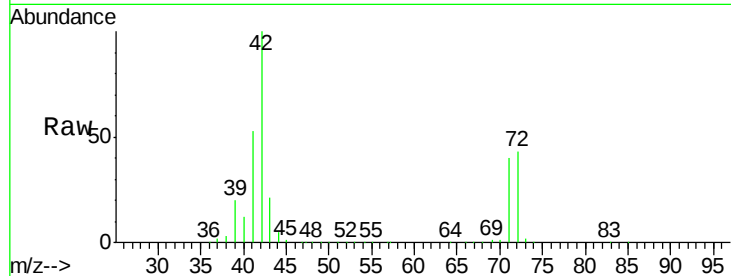
#29
Tetrahydrofuran
Concen: 251.841 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.8	50.6
71	39.7	31.5	47.3

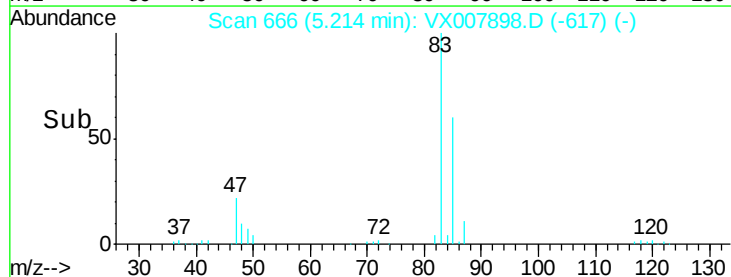
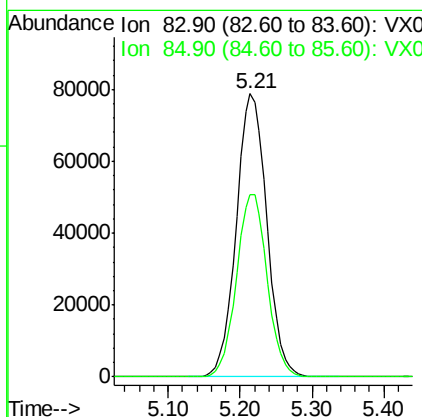
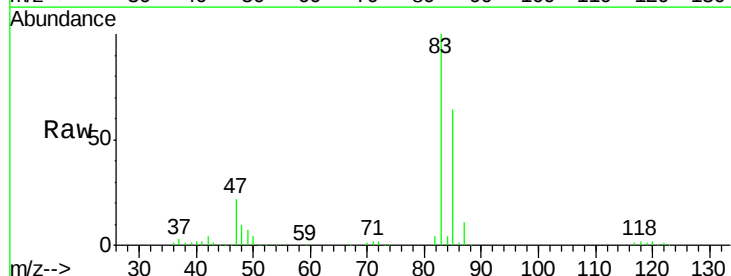
Manual Integrations
APPROVED

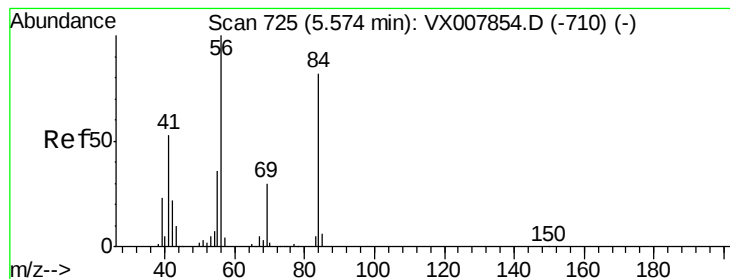
MMDadoda
3/8/2019 9:39:58 AM



#30
Chloroform
Concen: 50.857 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.6





#31

Cyclohexane

Concen: 49.985 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Instrument :

MSVOA_X

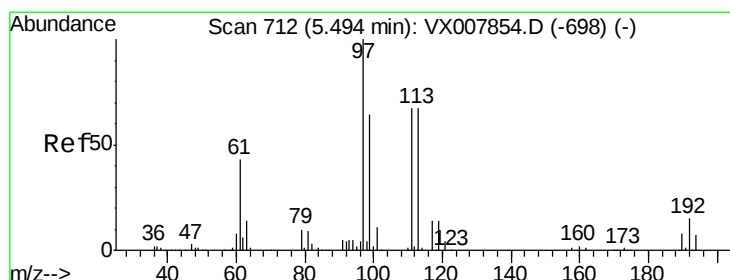
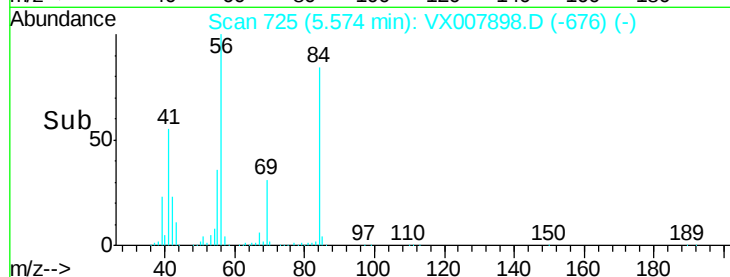
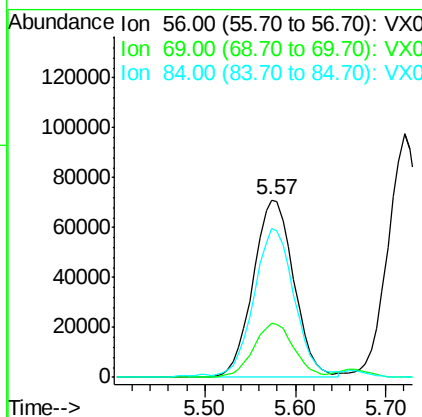
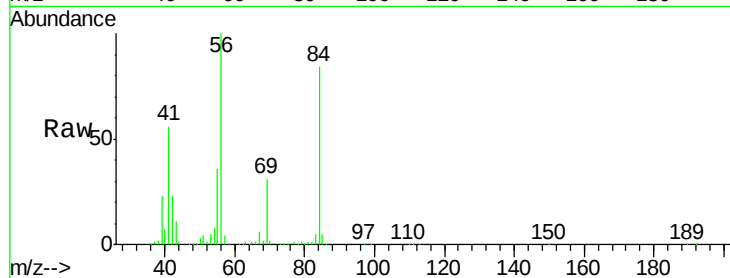
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	221090
Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.0	36.0
84	83.2	65.3	97.9

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#32

1,1,1-Trichloroethane

Concen: 51.461 ug/l

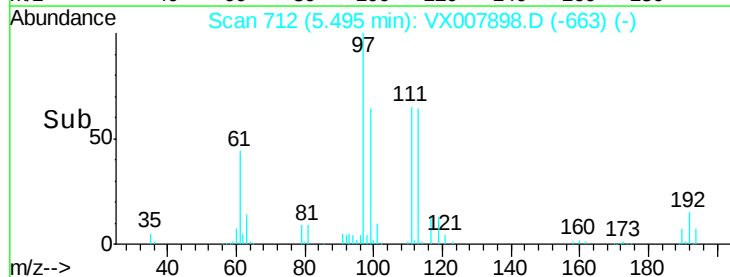
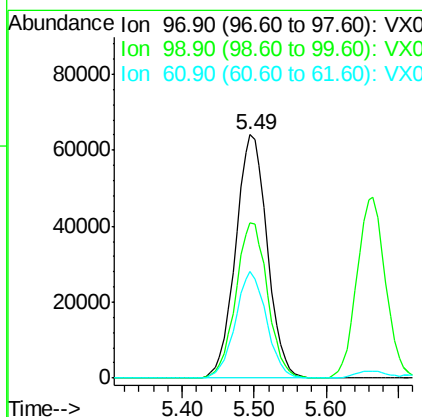
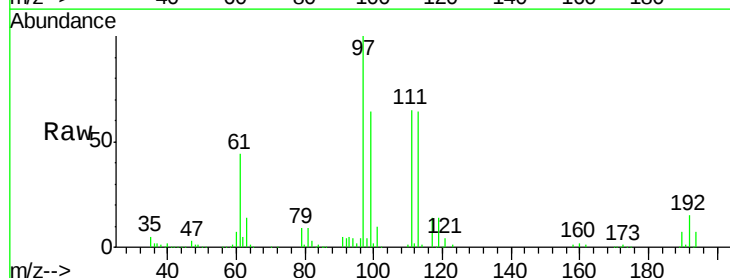
RT: 5.49 min Scan# 712

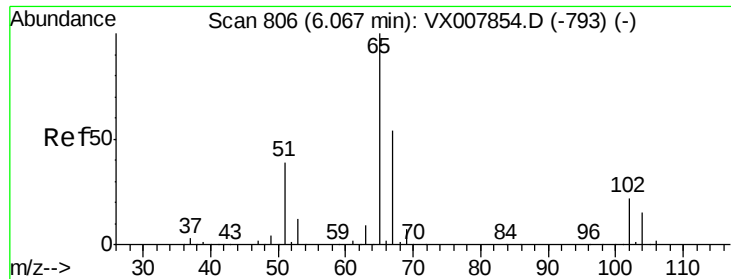
Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Tgt Ion:	97	Resp:	194378
Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.2	78.2
61	43.2	34.9	52.3





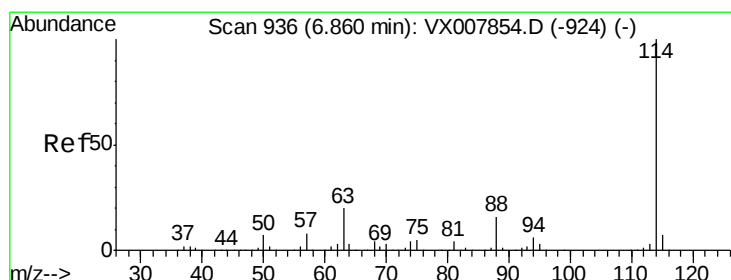
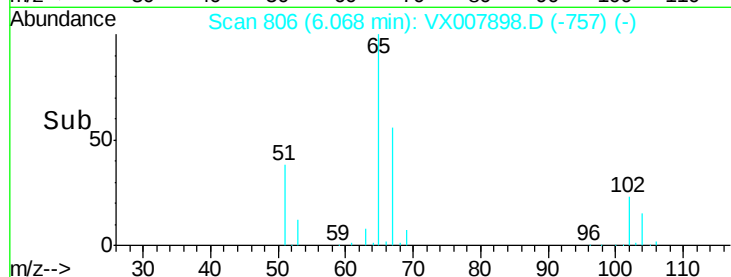
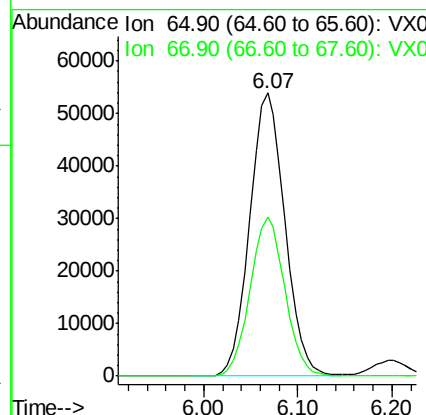
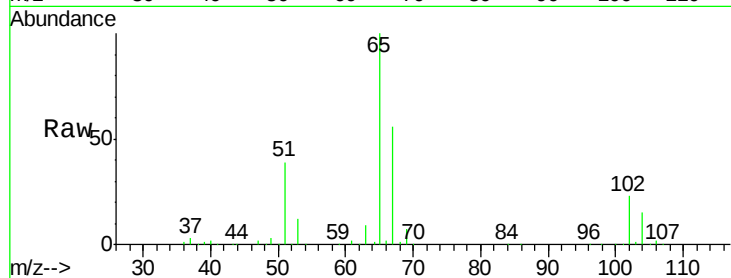
#33
 1,2-Dichloroethane-d4
 Concen: 49.101 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007898.D
 Acq: 07 Mar 2019 22:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 141340
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 110.0

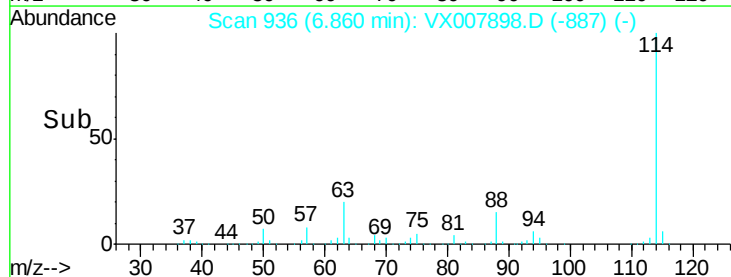
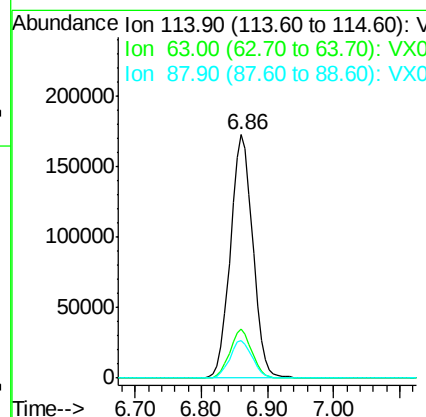
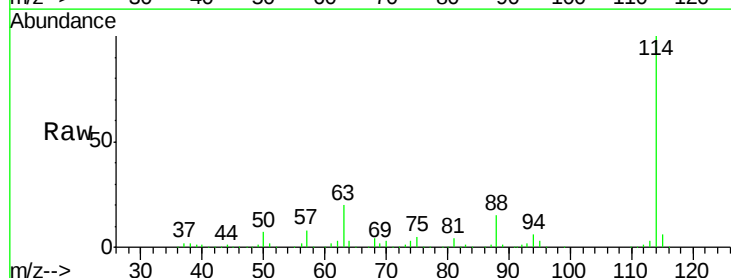
Manual Integrations
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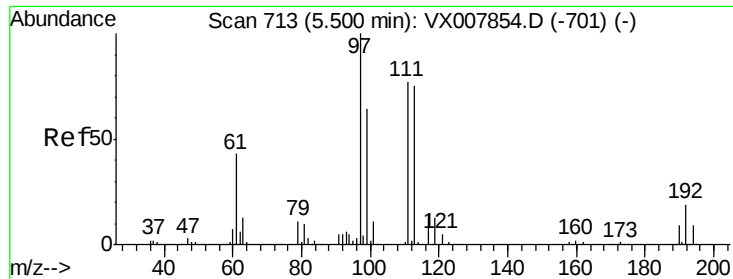
MMDadoda
 3/8/2019 9:39:58 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007898.D
 Acq: 07 Mar 2019 22:04

Tgt Ion: 114 Resp: 404053
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.3 0.0 31.4





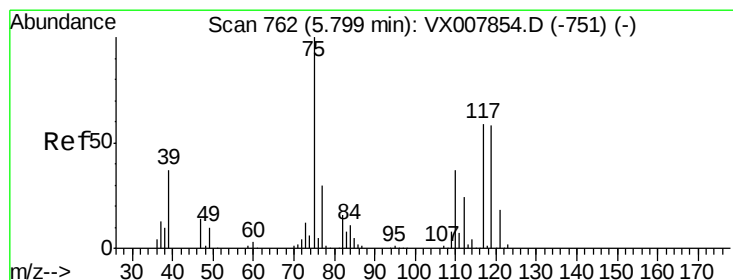
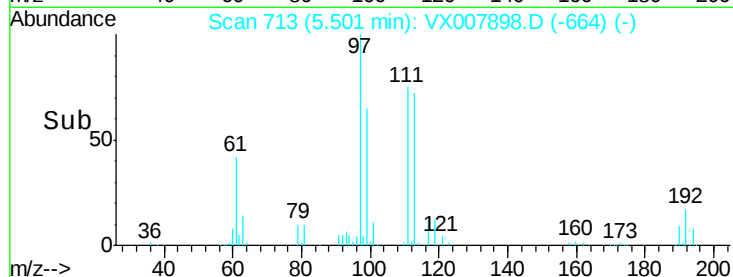
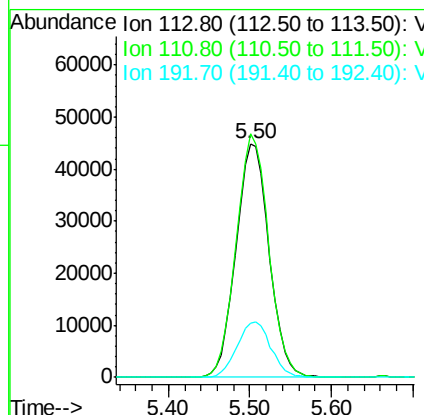
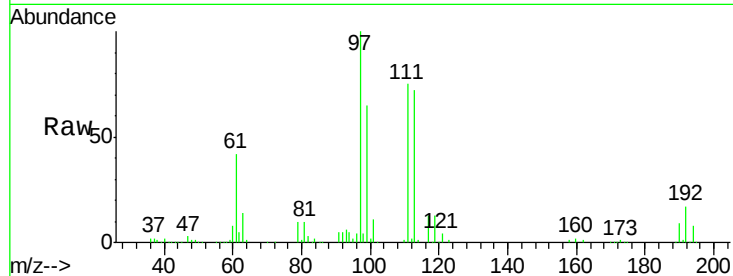
#35
Dibromofluoromethane
Concen: 48.825 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	126192		
111	102.5	81.4	122.0	
192	24.3	19.4	29.0	

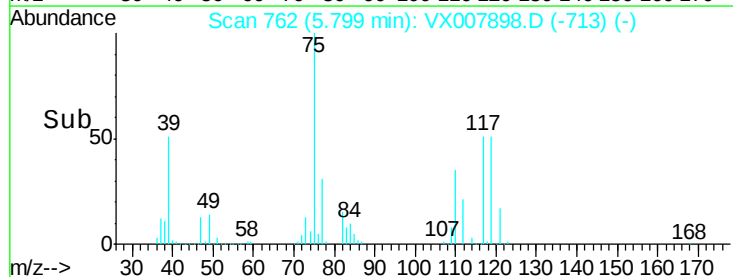
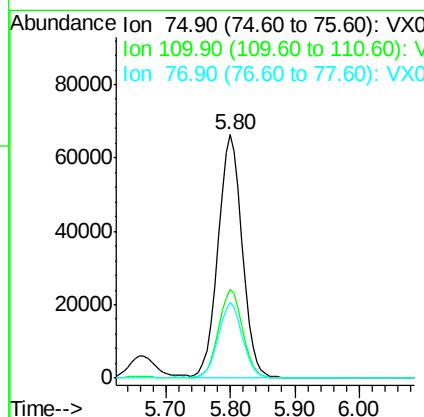
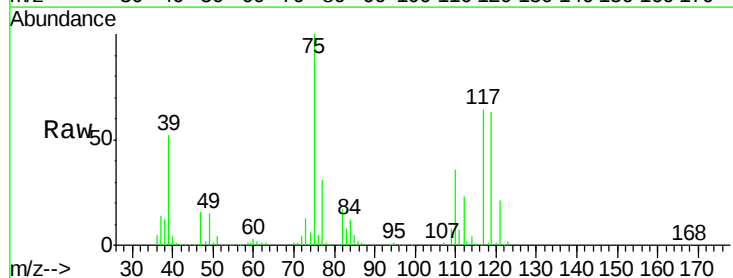
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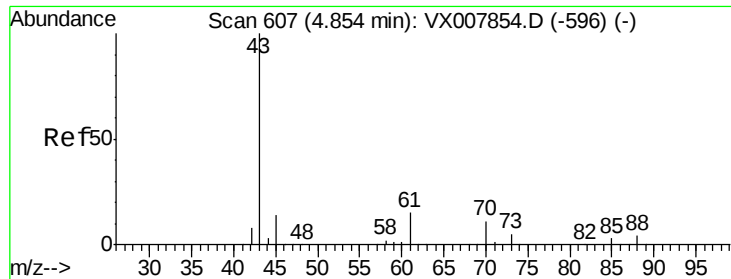
MMDadoda
3/8/2019 9:39:58 AM



#36
1,1-Dichloropropene
Concen: 48.158 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	176190		
110	36.6	18.4	55.0	
77	31.2	25.0	37.4	





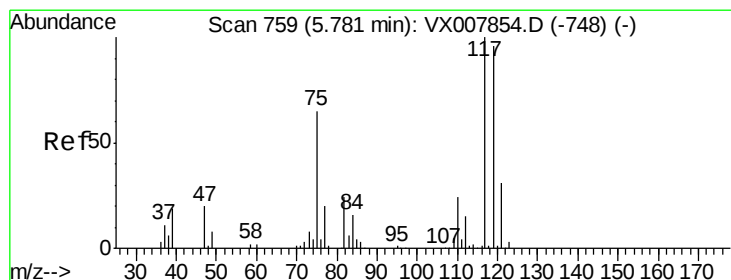
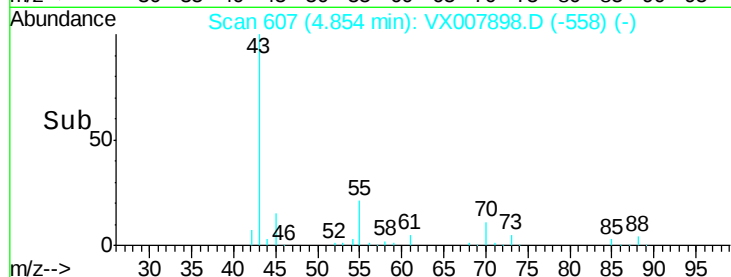
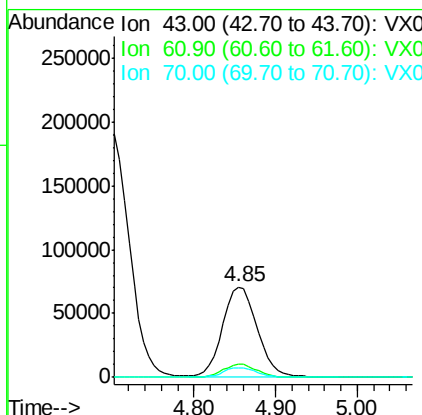
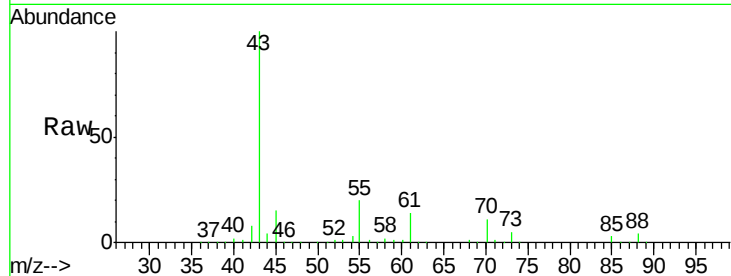
#37
Ethyl Acetate
Concen: 48.016 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.3	16.9
70	10.7	8.5	12.7

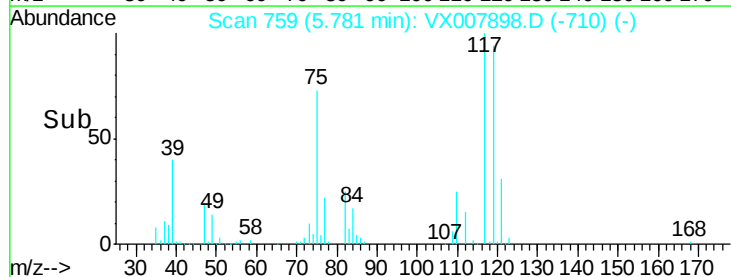
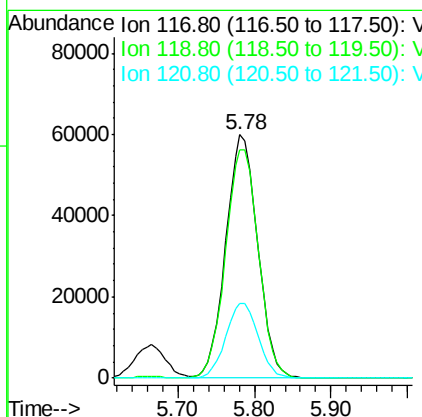
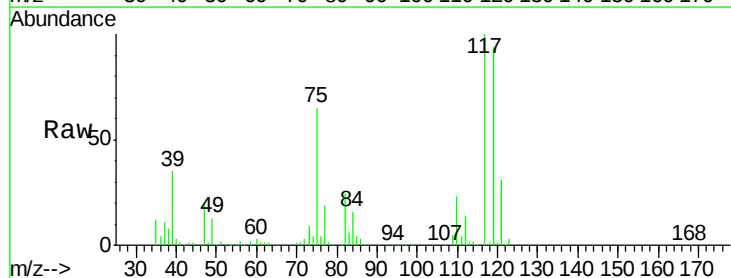
Manual Integrations
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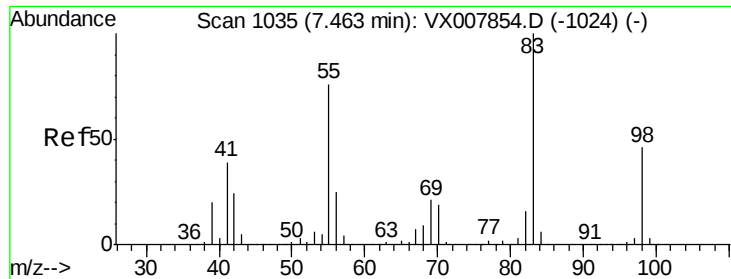
MMDadoda
3/8/2019 9:39:58 AM



#38
Carbon Tetrachloride
Concen: 49.873 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	76.2	114.2
121	30.9	24.6	36.8





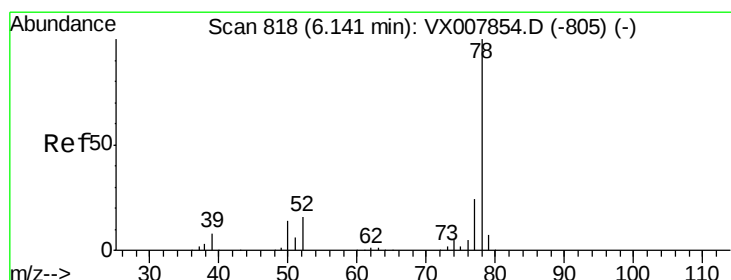
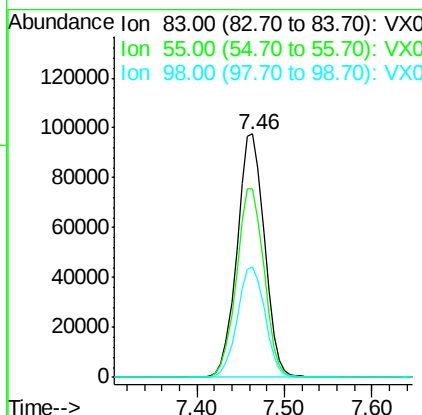
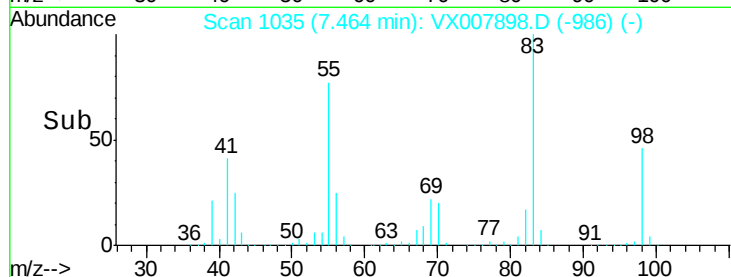
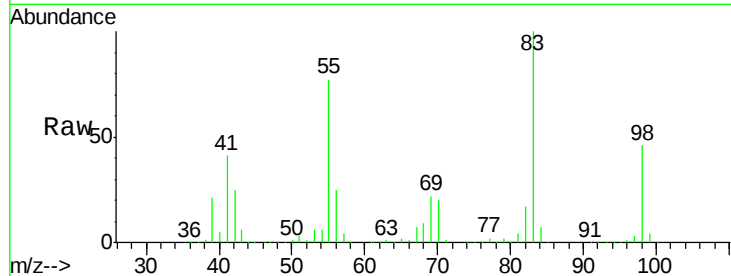
#39
Methvlcvclohexane
Concen: 48.020 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	60.4	90.6
98	45.5	36.5	54.7

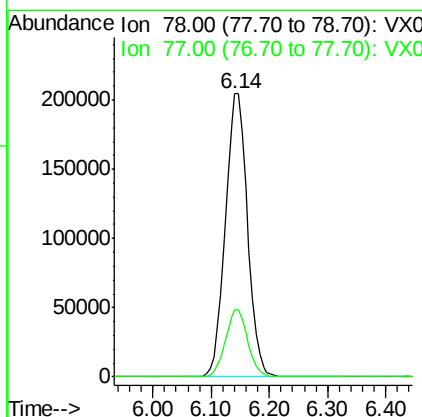
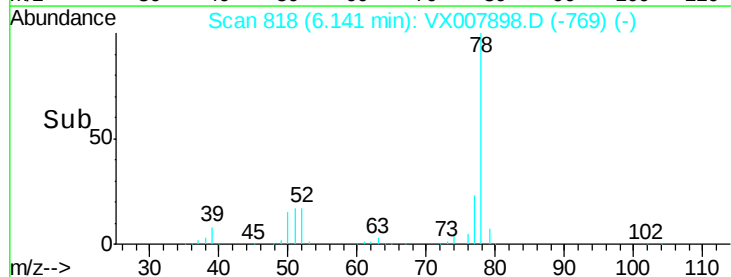
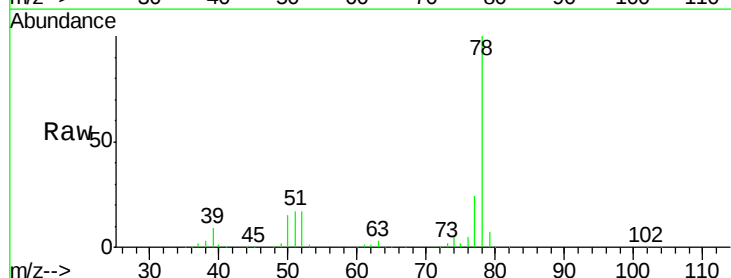
Manual Integrations
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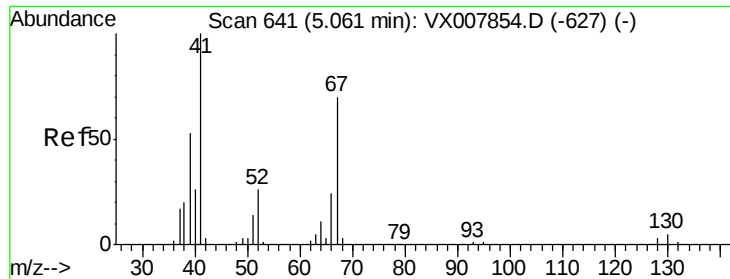
MMDadoda
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#40
Benzene
Concen: 49.622 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





#41

Methacrylonitrile

Concen: 49.540 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 117266

Ion Ratio Lower Upper

41 100

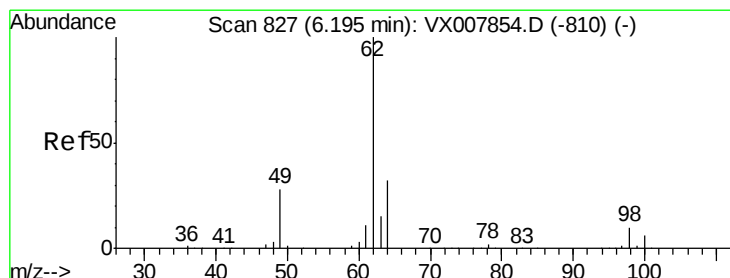
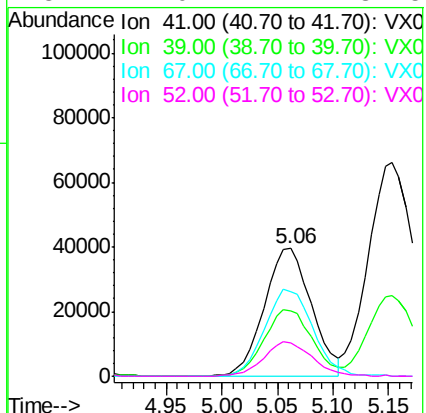
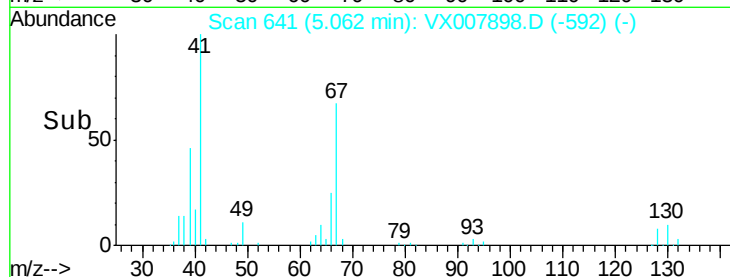
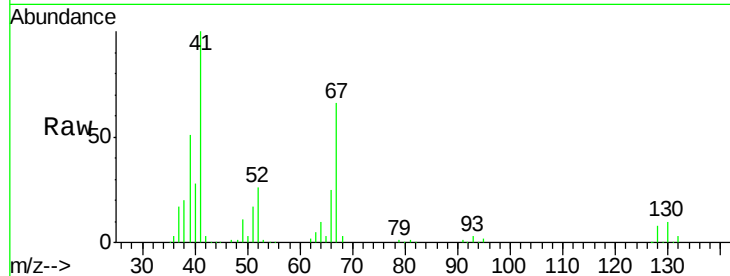
39 52.9 41.6 62.4

67 70.0 55.8 83.6

52 27.0 21.7 32.5

Manual Integrations
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MMDadoda
3/8/2019 9:39:58 AM



#42

1,2-Dichloroethane

Concen: 49.300 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX007898.D

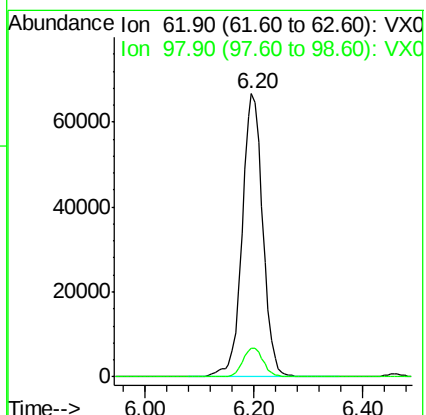
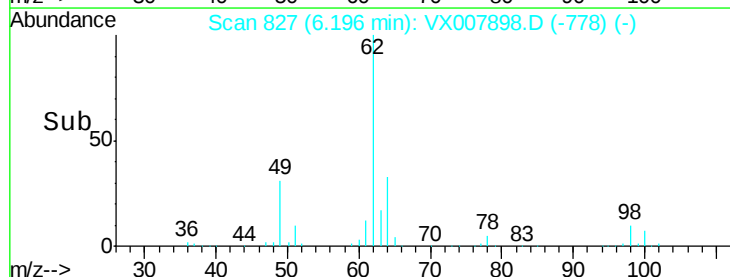
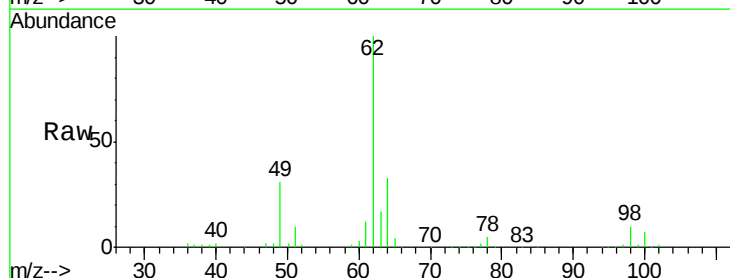
Acq: 07 Mar 2019 22:04

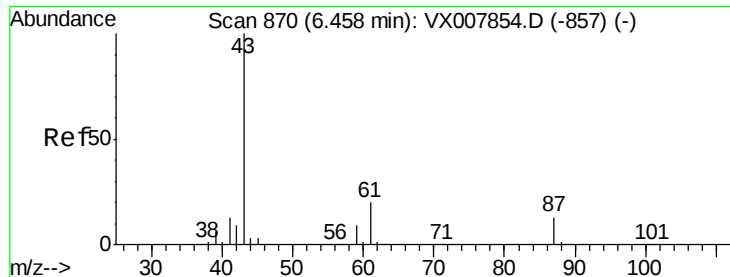
Tgt Ion: 62 Resp: 175608

Ion Ratio Lower Upper

62 100

98 10.1 0.0 20.4





#43

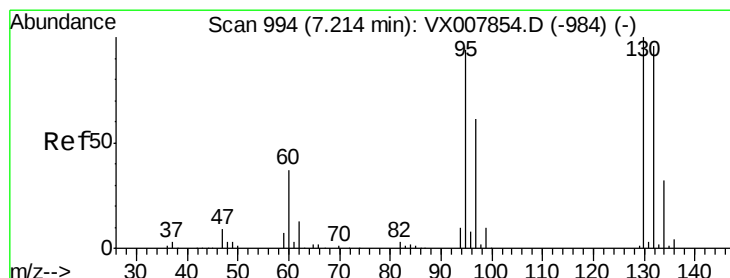
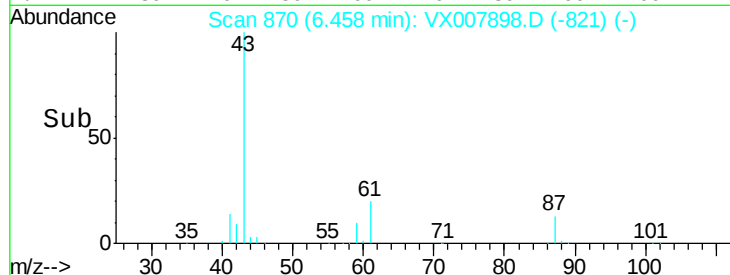
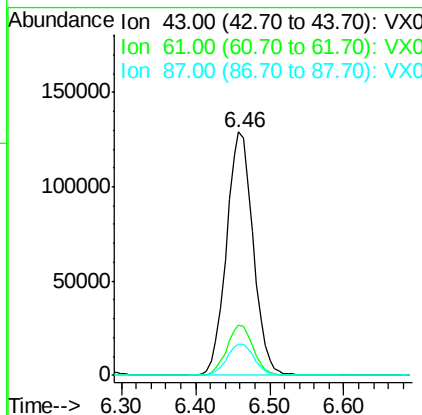
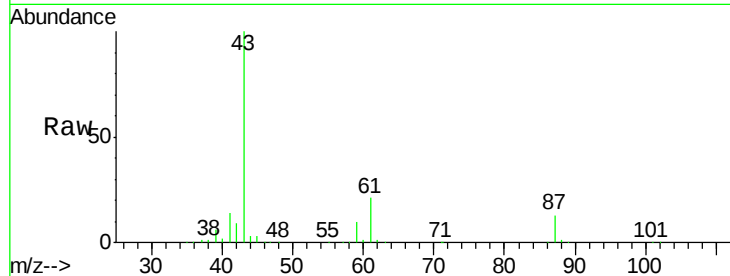
Isopropyl Acetate
 Concen: 50.224 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX007898.D
 Acq: 07 Mar 2019 22:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.3	24.5
87	13.3	10.5	15.7

Manual Integrations
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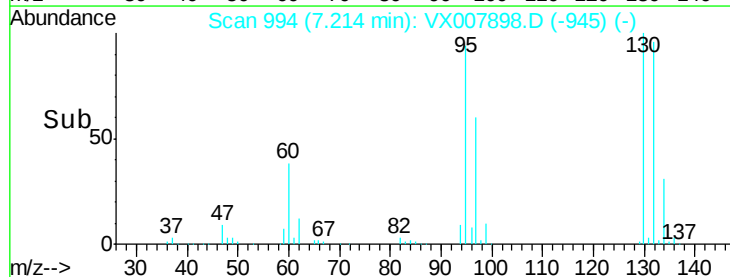
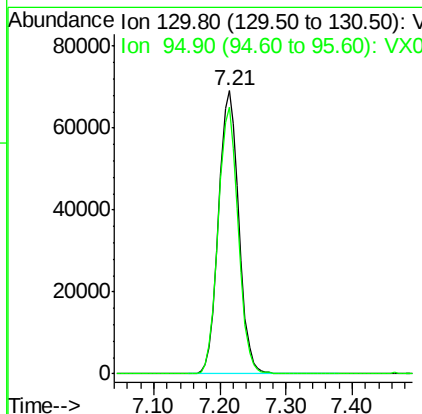
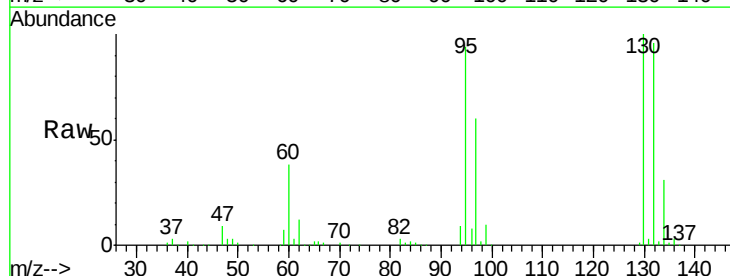
MMDadoda
 3/8/2019 9:39:58 AM

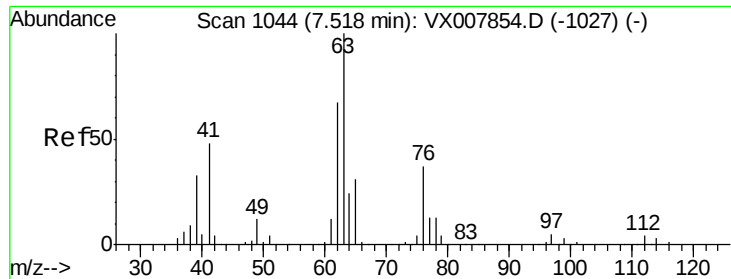


#44

Trichloroethene
 Concen: 48.644 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007898.D
 Acq: 07 Mar 2019 22:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	188.0





#45

1,2-Dichloropropane

Concen: 50.487 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 145239

Ion Ratio Lower Upper

63 100

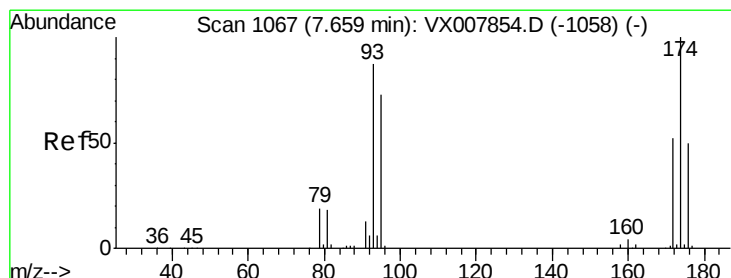
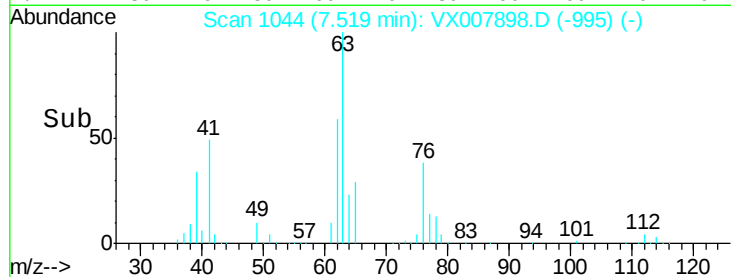
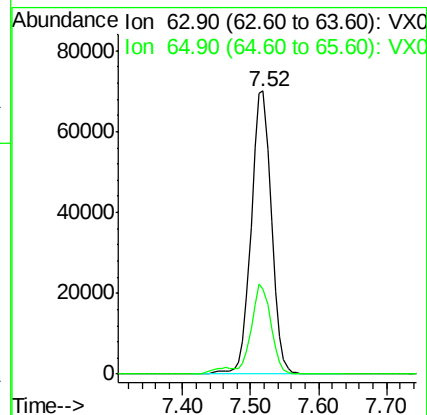
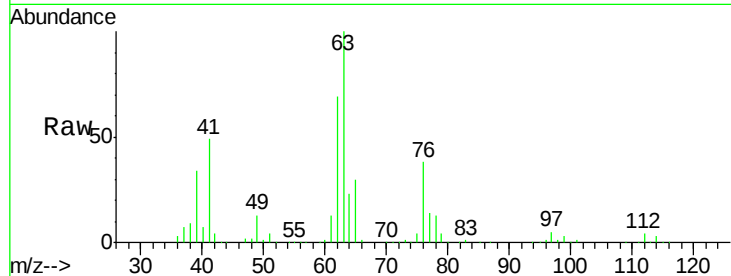
65 30.0 24.7 37.1

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#46

Dibromomethane

Concen: 49.534 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

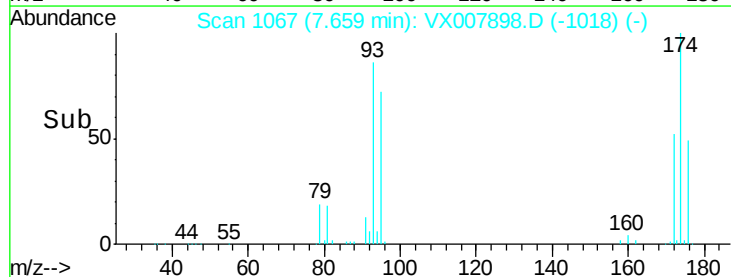
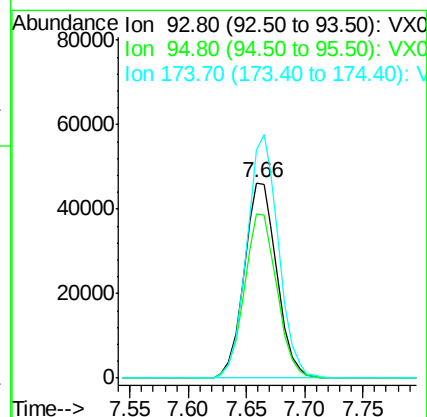
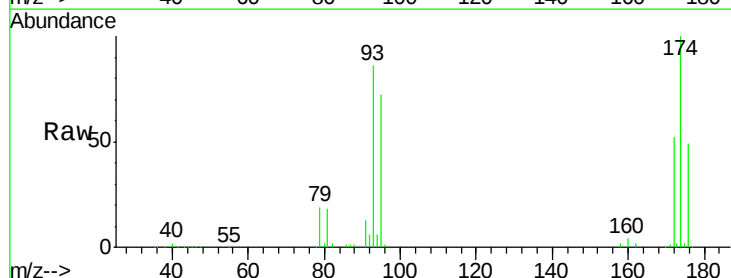
Tgt Ion: 93 Resp: 90179

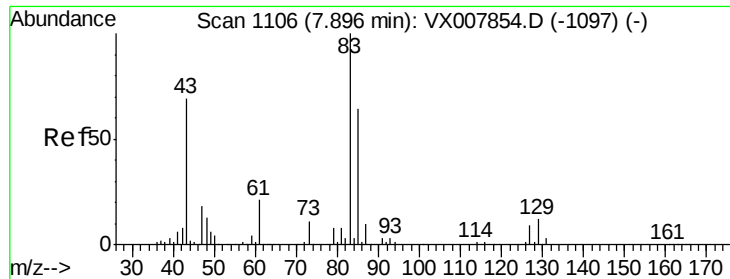
Ion Ratio Lower Upper

93 100

95 84.2 66.8 100.2

174 121.4 97.3 145.9





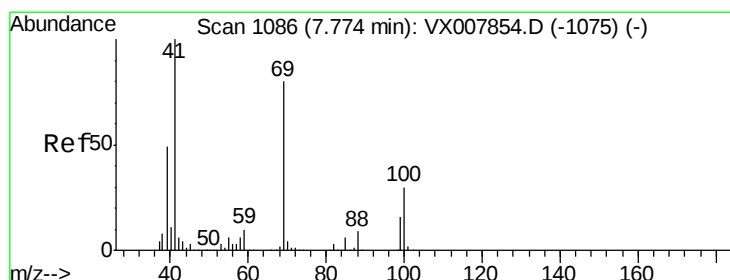
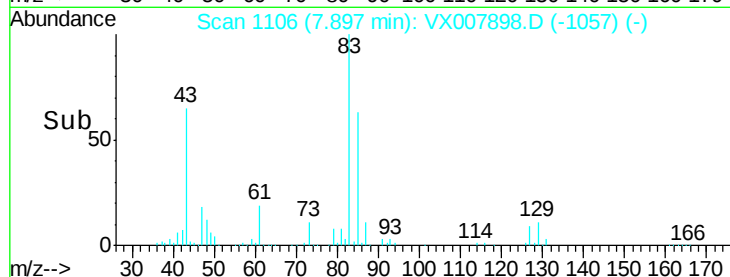
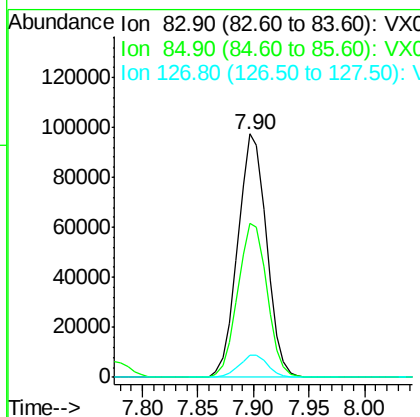
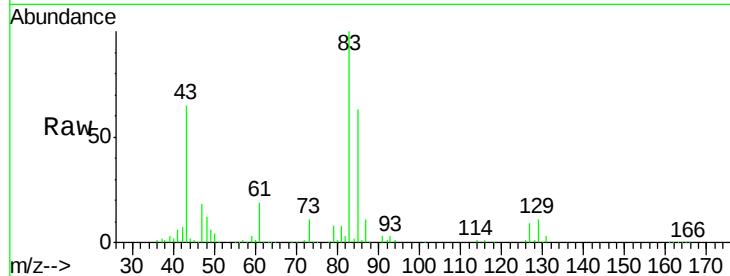
#47
Bromodichloromethane
Concen: 50.773 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.9	76.3
127	9.0	7.4	11.0

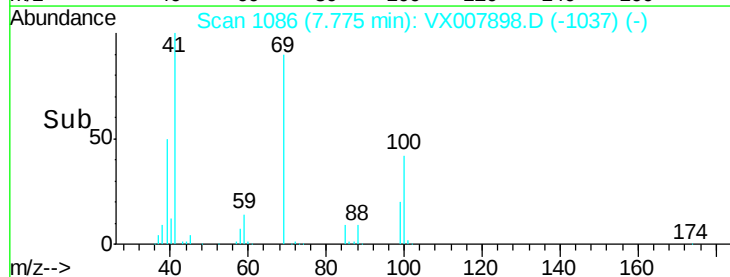
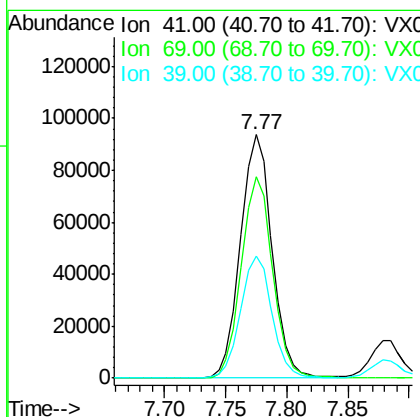
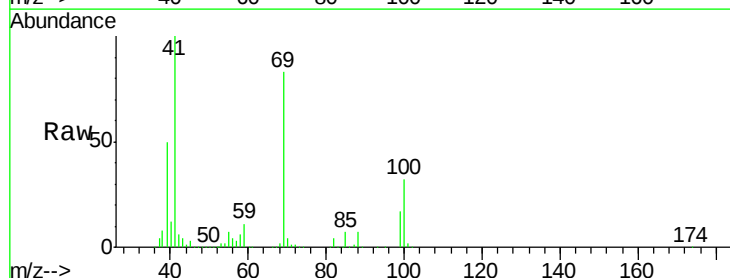
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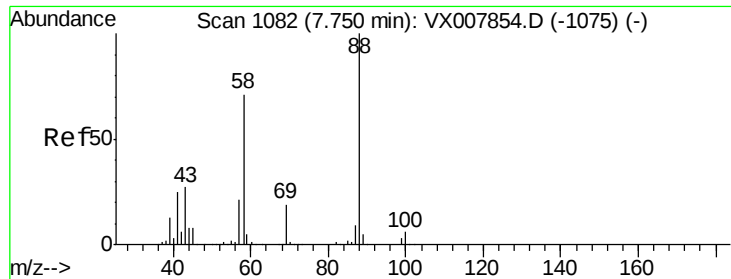
MMDadoda
3/8/2019 9:39:58 AM



#48
Methyl methacrylate
Concen: 49.797 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.4	65.2	97.8
39	49.9	39.4	59.2





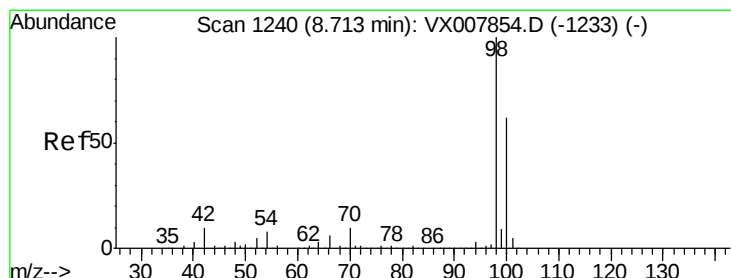
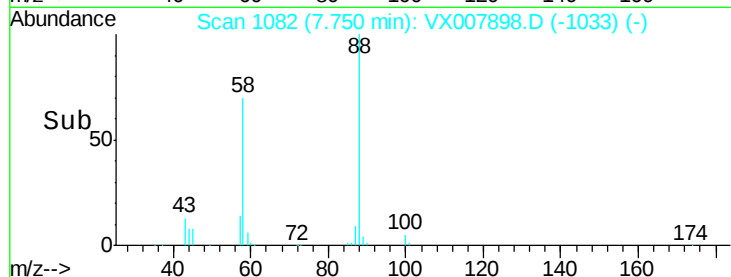
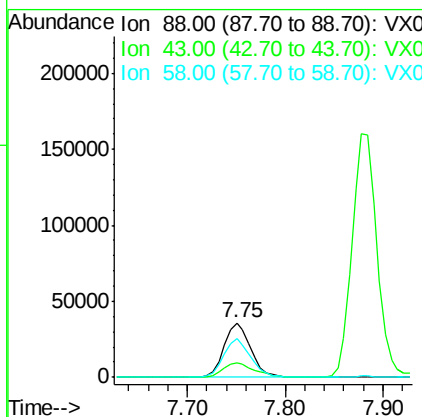
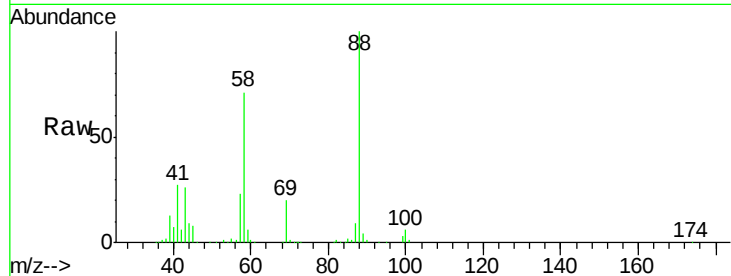
#49
1,4-Dioxane
Concen: 975.113 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	67670
Ion	Ratio	Lower	Upper
88	100		
43	32.0	25.1	37.7
58	72.1	57.8	86.6

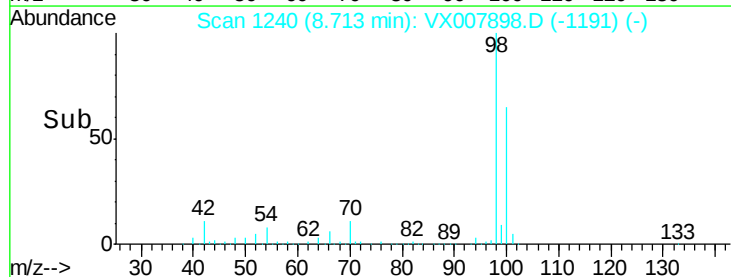
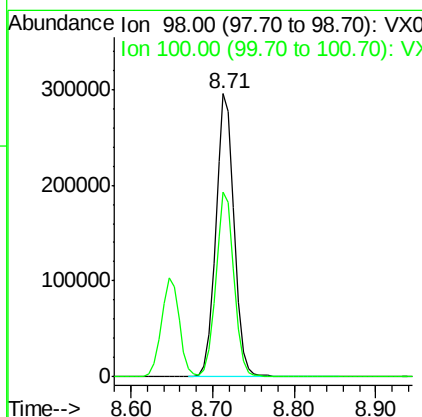
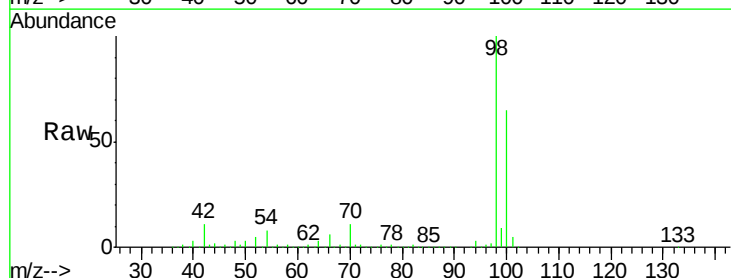
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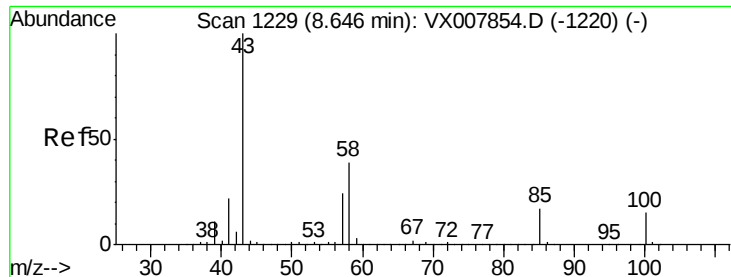
MMDadoda
3/8/2019 9:39:58 AM



#50
Toluene-d8
Concen: 49.048 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Tgt Ion	98	Resp	465569
Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 250.570 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1035422

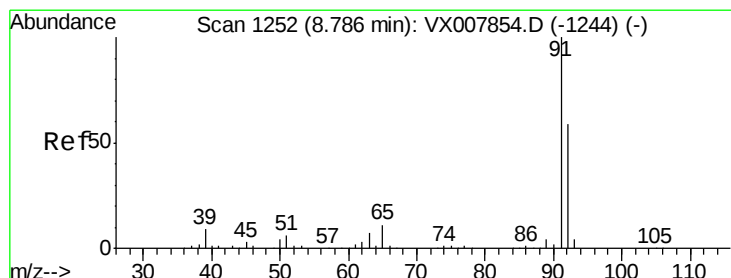
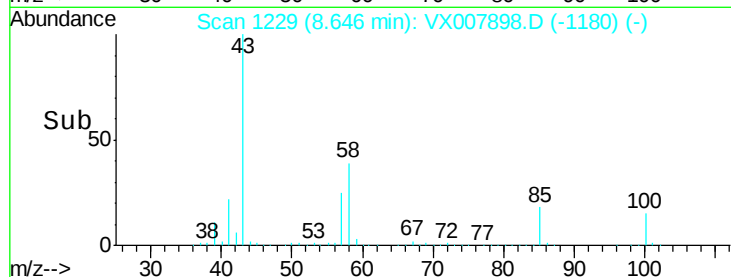
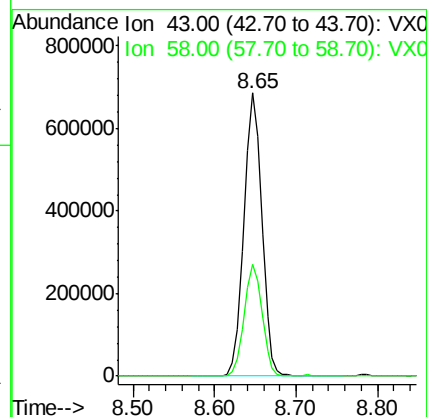
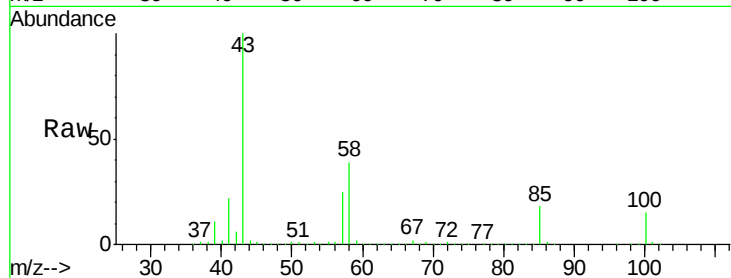
Ion Ratio Lower Upper

43 100

58 39.3 31.3 46.9

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#52

Toluene

Concen: 49.698 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX007898.D

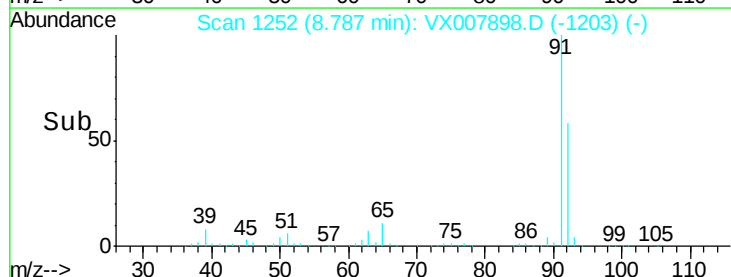
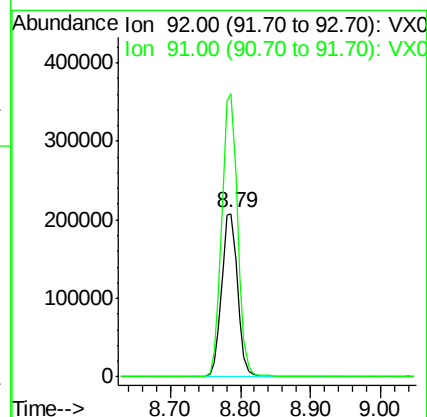
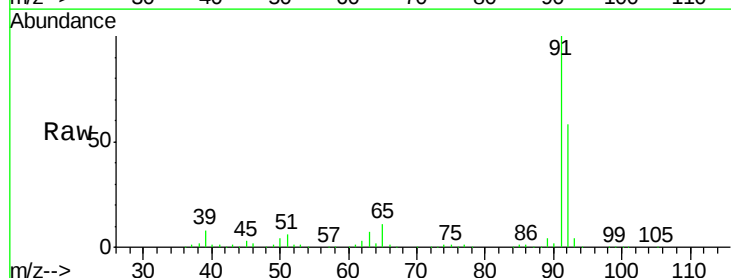
Acq: 07 Mar 2019 22:04

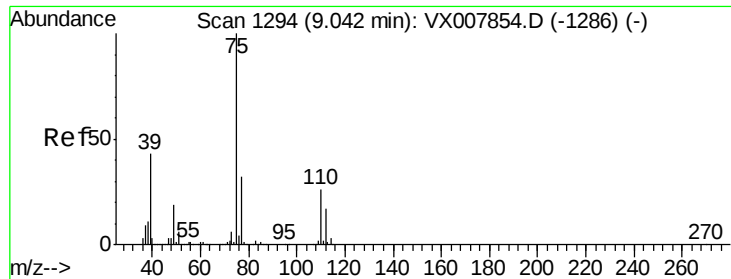
Tgt Ion: 92 Resp: 330477

Ion Ratio Lower Upper

92 100

91 172.4 137.4 206.0





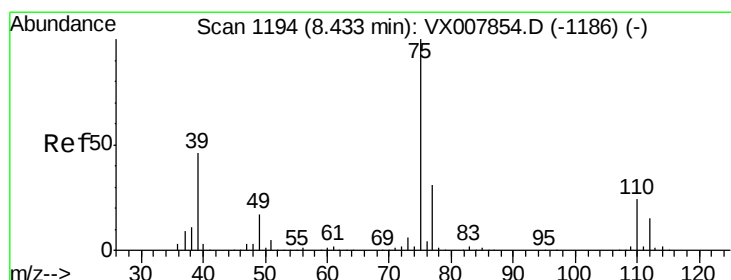
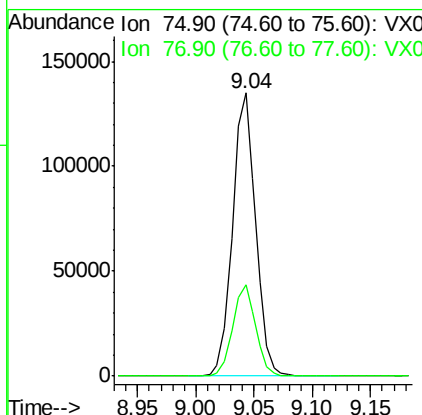
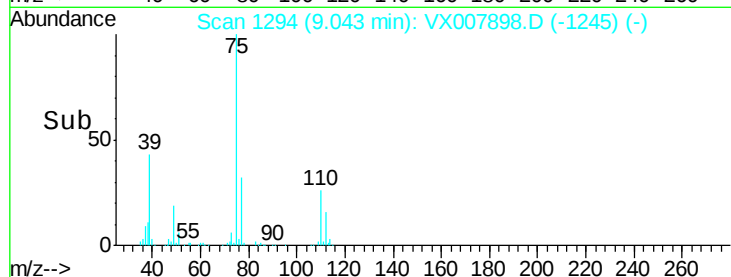
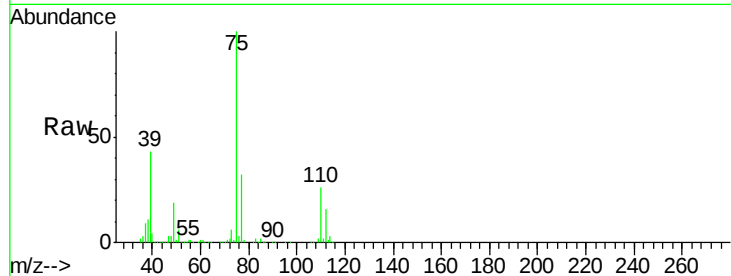
#53
t-1,3-Dichloropropene
Concen: 51.776 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 186533
Ion Ratio Lower Upper
75 100
77 32.5 25.4 38.0

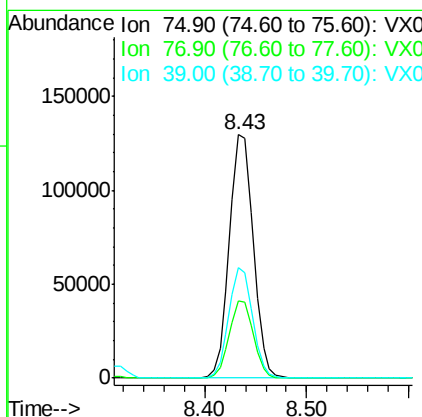
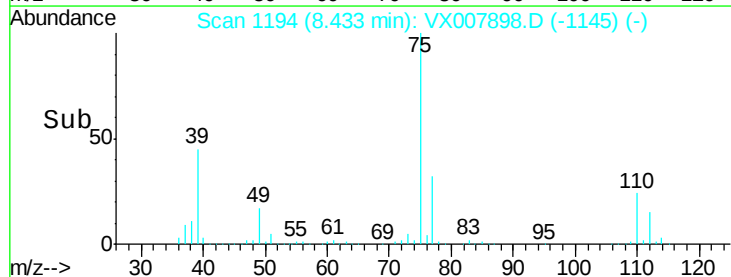
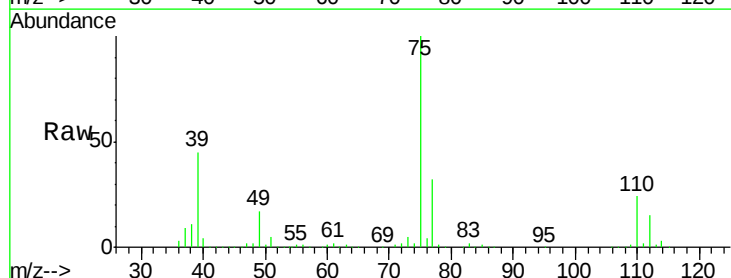
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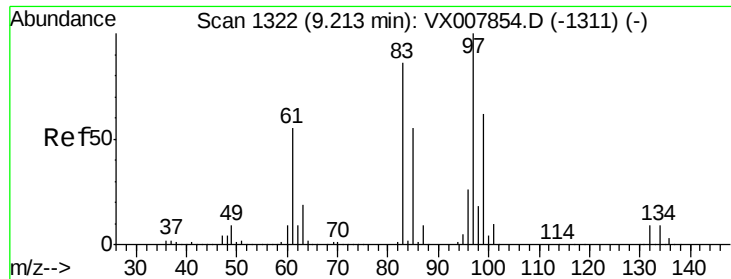
MMDadoda
3/8/2019 9:39:58 AM



#54
cis-1,3-Dichloropropene
Concen: 51.596 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Tgt Ion: 75 Resp: 209911
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.6
39 45.3 36.6 54.8





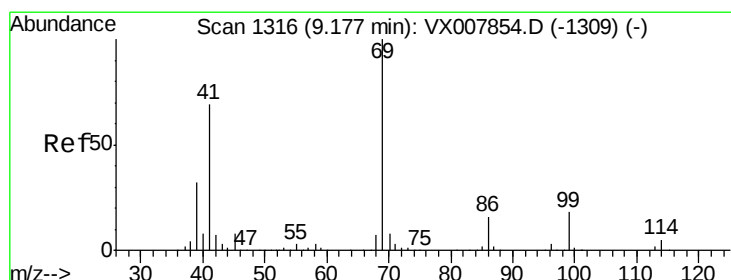
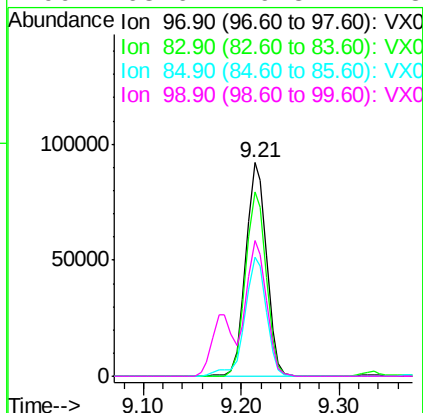
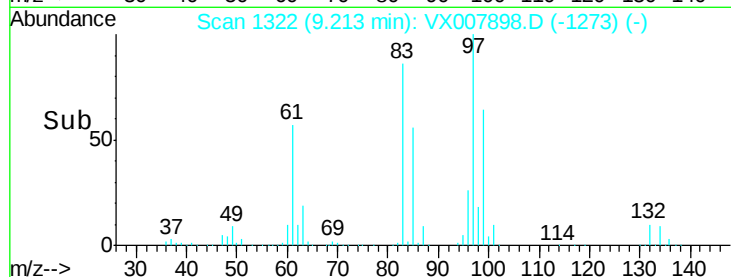
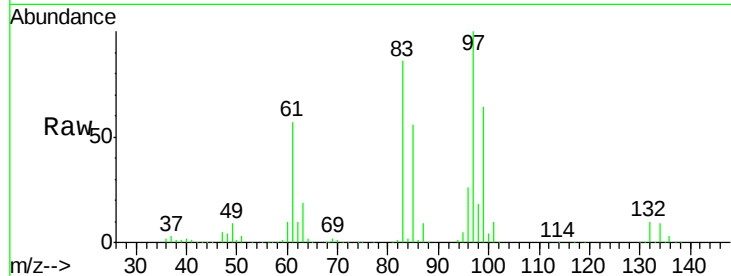
#55
 1,1,2-Trichloroethane
 Concen: 50.473 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007898.D
 Acq: 07 Mar 2019 22:04

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion:	97	Resp:	135869
Ion Ratio	Lower	Upper	
97	100		
83	86.4	69.1	103.7
85	55.6	44.3	66.5
99	63.6	49.8	74.8

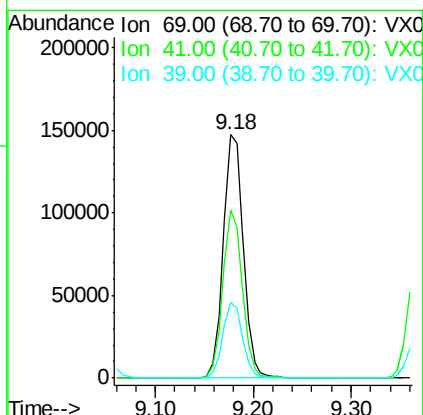
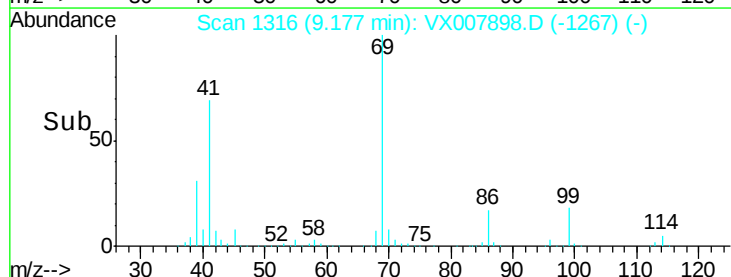
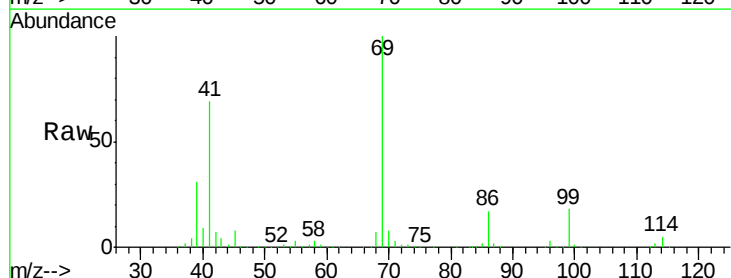
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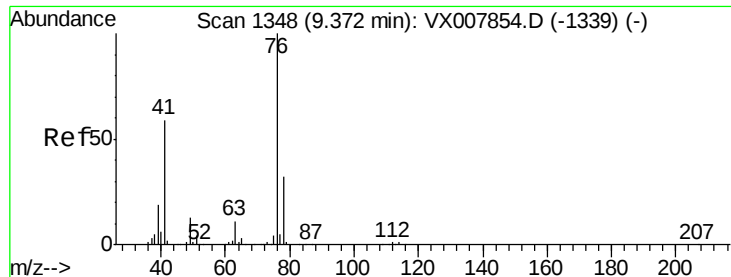
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#56
 Ethyl methacrylate
 Concen: 52.119 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007898.D
 Acq: 07 Mar 2019 22:04

Tgt Ion:	69	Resp:	210651
Ion Ratio	Lower	Upper	
69	100		
41	66.8	54.2	81.4
39	30.6	25.0	37.4





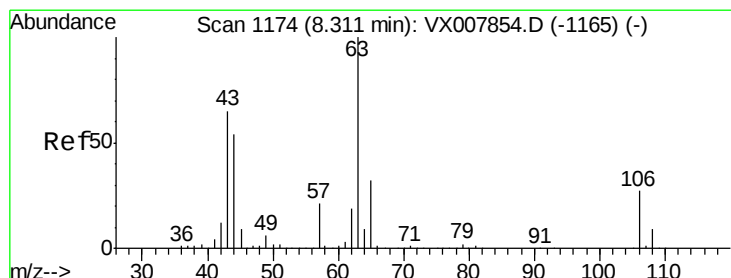
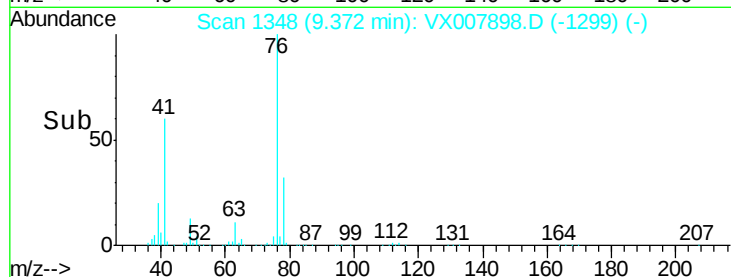
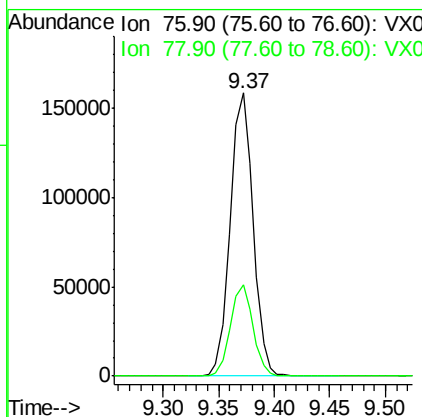
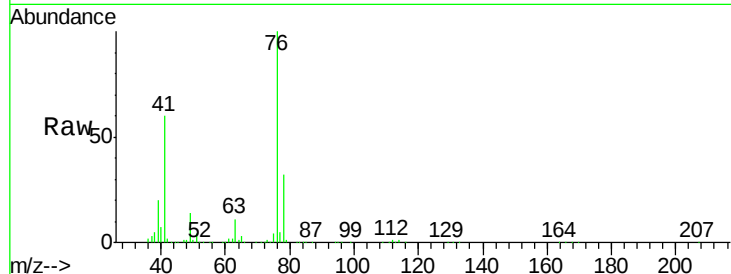
#57
 1,3-Dichloropropane
 Concen: 49.933 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX007898.D
 Acq: 07 Mar 2019 22:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

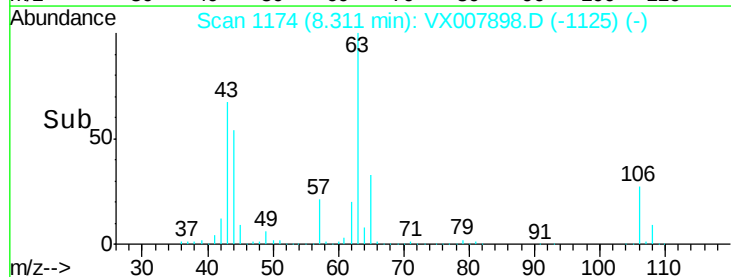
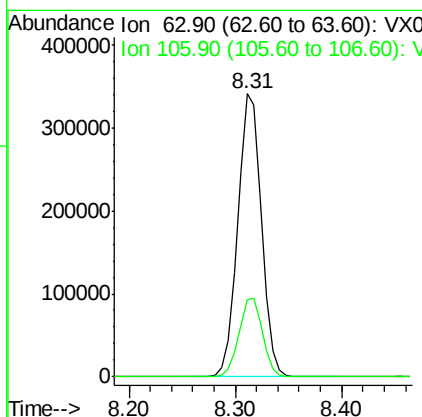
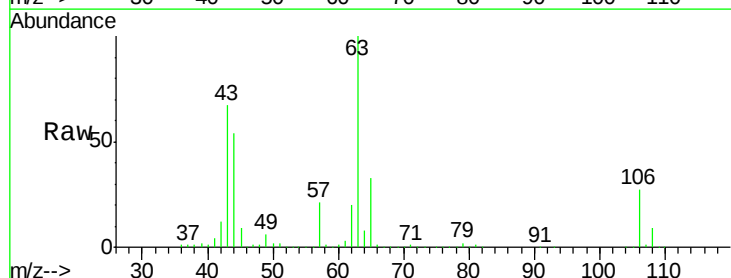
Manual Integrations
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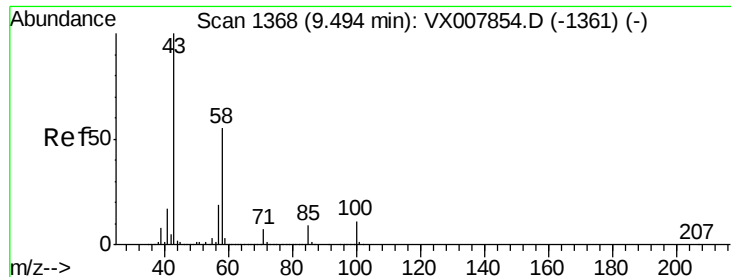
MMDadoda
 3/8/2019 9:39:58 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.732 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX007898.D
 Acq: 07 Mar 2019 22:04

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.9	22.2	33.2





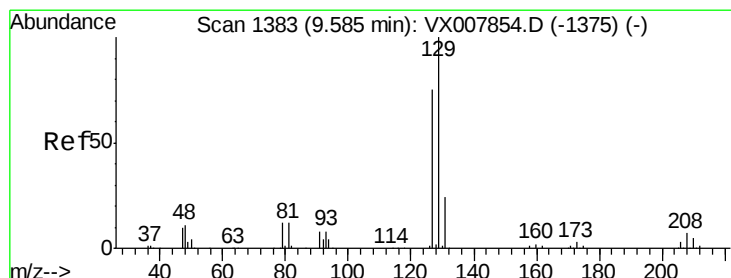
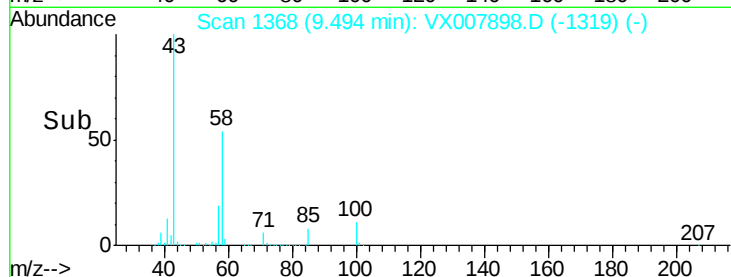
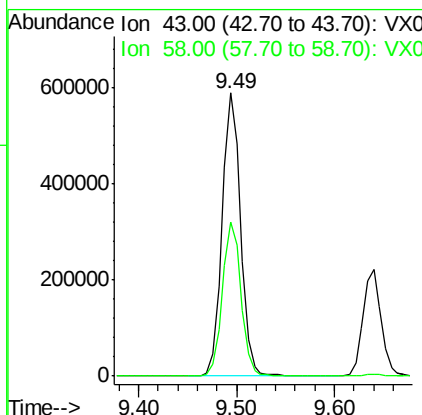
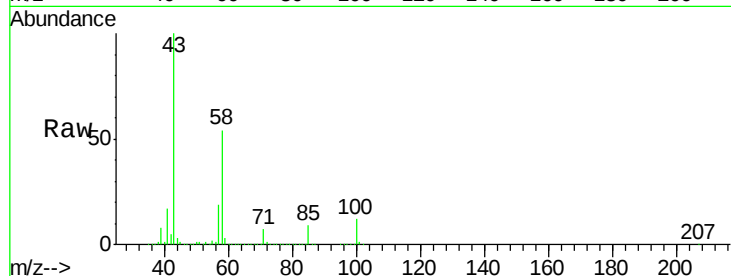
#59
2-Hexanone
Concen: 241.102 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 773504
Ion Ratio Lower Upper
43 100
58 55.0 27.6 82.7

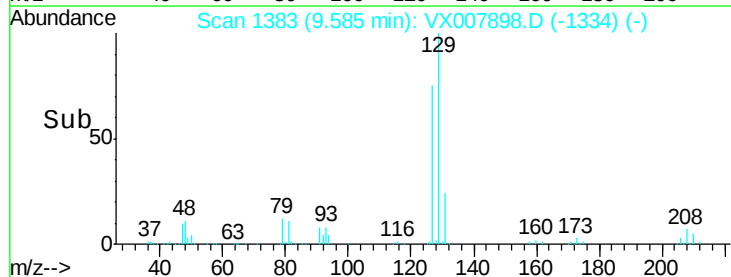
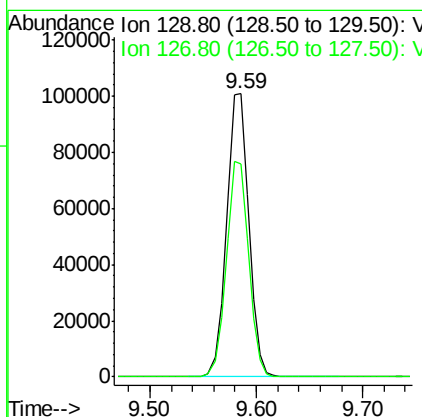
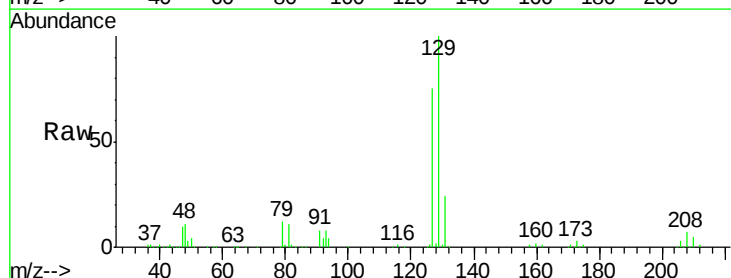
Manual Integrations
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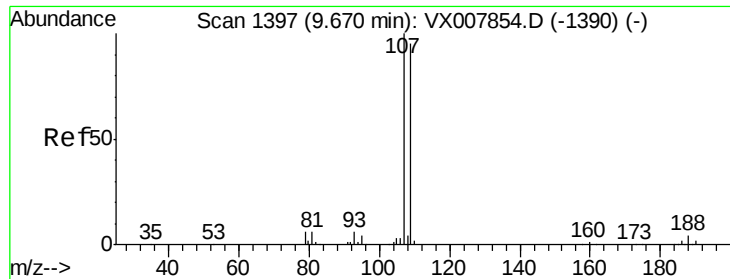
MMDadoda
3/8/2019 9:39:58 AM



#60
Dibromochloromethane
Concen: 52.502 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Tgt Ion: 129 Resp: 147722
Ion Ratio Lower Upper
129 100
127 76.5 38.3 114.8





#61

1,2-Dibromoethane

Concen: 50.224 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 143543

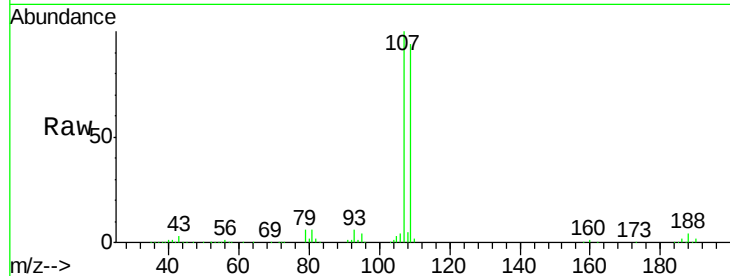
Ion Ratio Lower Upper

107 100

109 94.6 75.8 113.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

120000

100000

80000

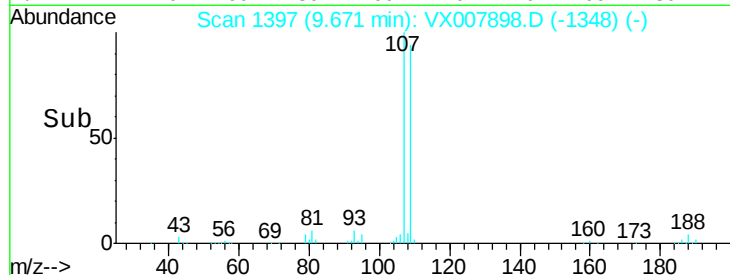
60000

40000

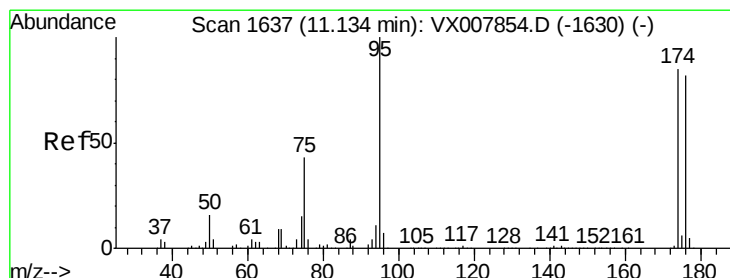
20000

0

Time-->



Time-->



#62

4-Bromofluorobenzene

Concen: 49.405 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

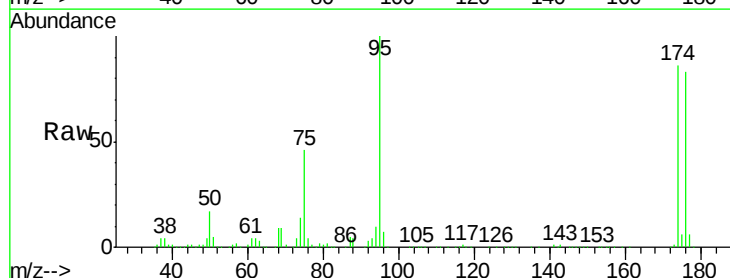
Tgt Ion: 95 Resp: 164417

Ion Ratio Lower Upper

95 100

174 91.2 0.0 182.8

176 89.4 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

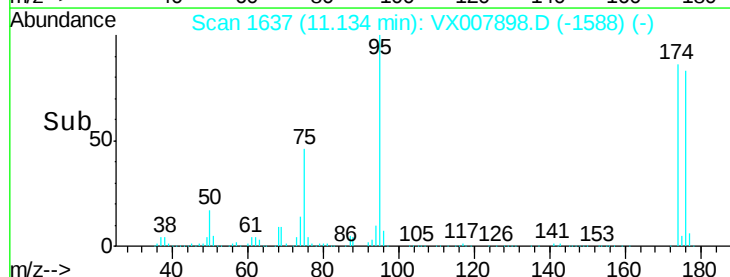
150000

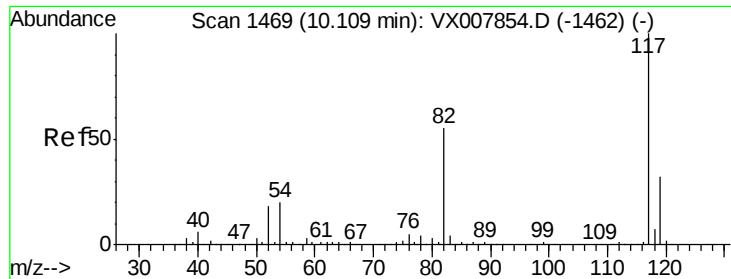
100000

50000

0

Time-->





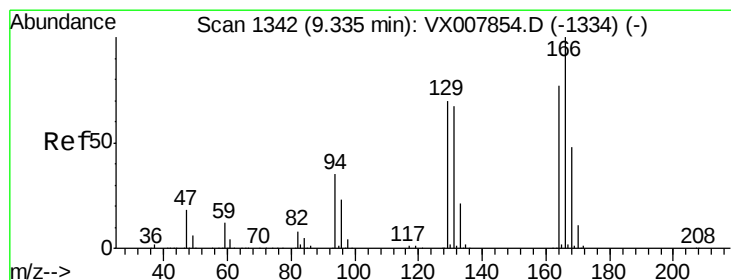
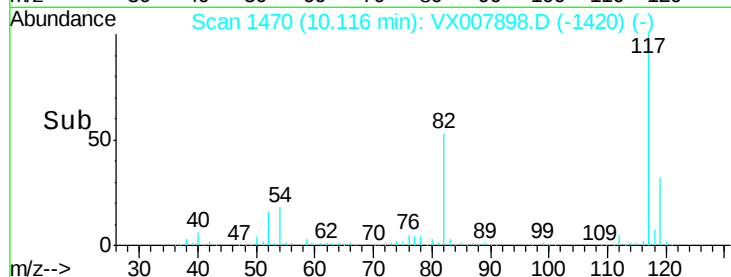
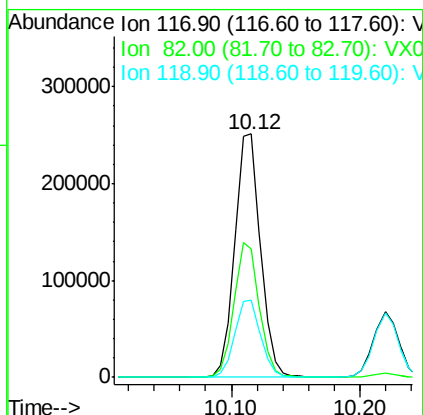
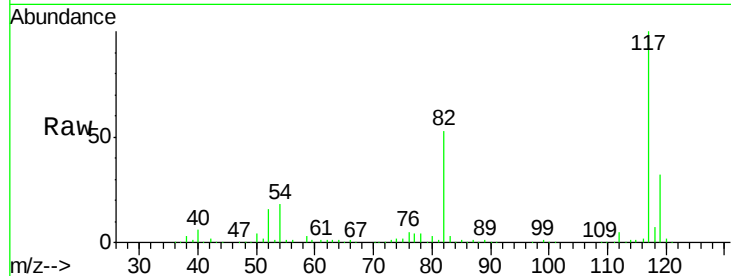
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	44.3	66.5
119	31.9	25.3	37.9

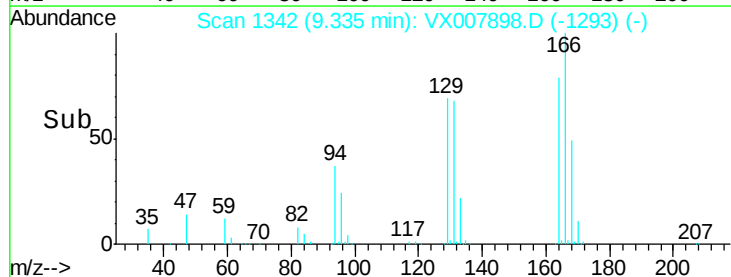
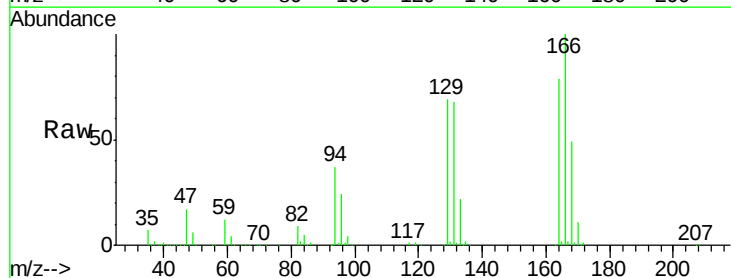
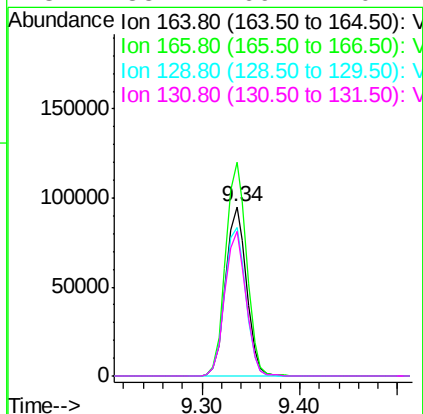
Manual Integrations
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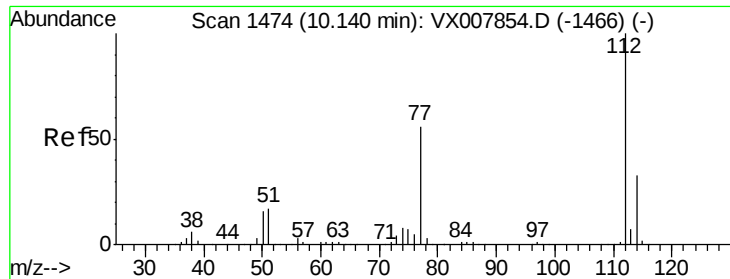
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3/8/2019 9:39:58 AM



#64
Tetrachloroethene
Concen: 48.344 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	103.4	155.0
129	87.7	72.2	108.4
131	85.4	69.4	104.2





#65

Chlorobenzene

Concen: 49.022 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 360346

Ion Ratio Lower Upper

112 100

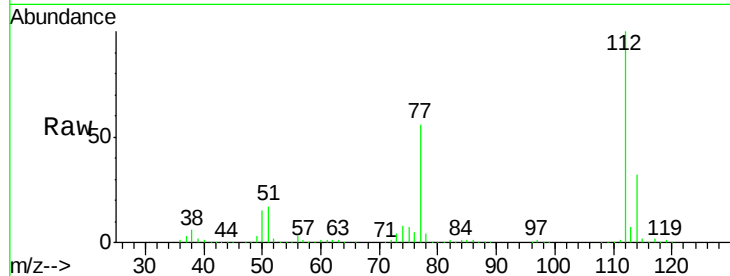
114 32.1 26.0 39.0

Manual Integrations

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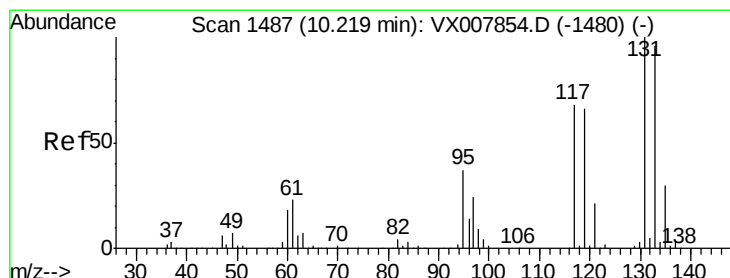
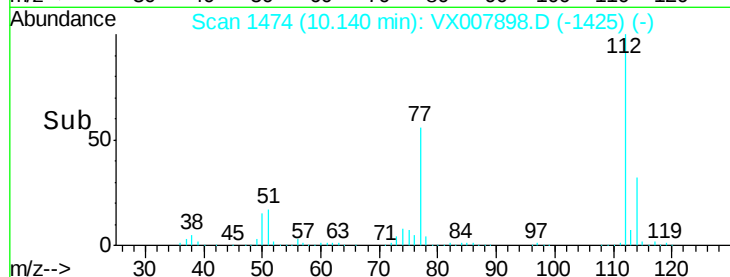
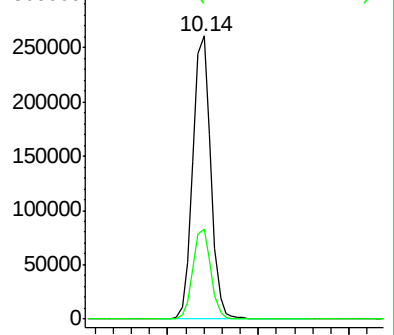
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.352 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

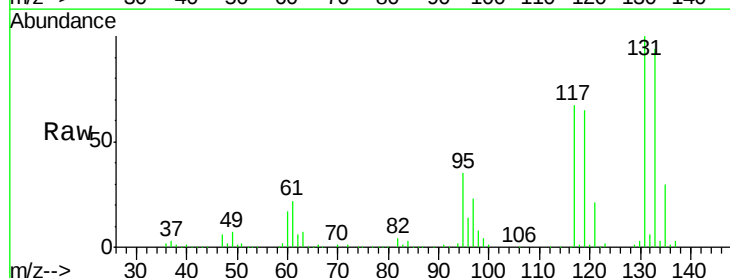
Tgt Ion:131 Resp: 135286

Ion Ratio Lower Upper

131 100

133 94.4 47.8 143.3

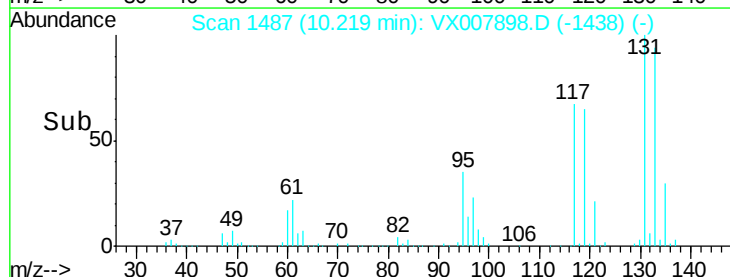
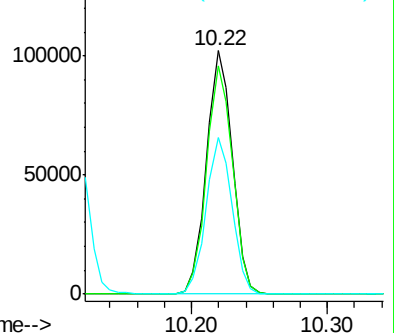
119 65.0 32.5 97.5

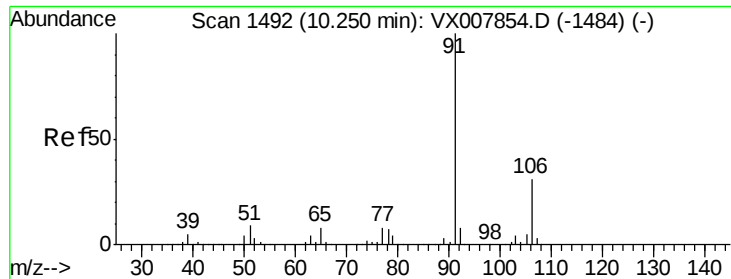


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.568 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 611873

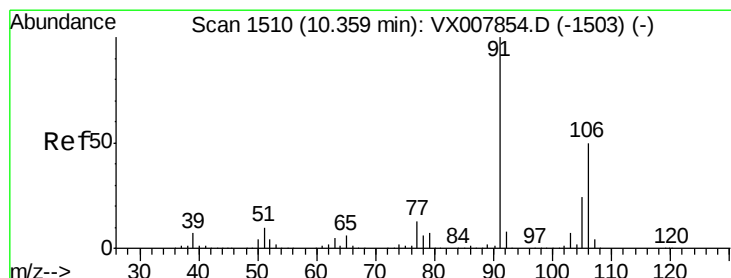
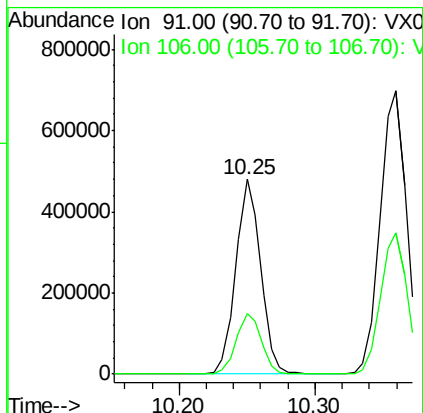
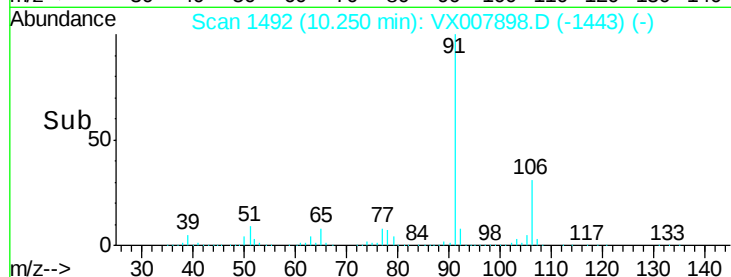
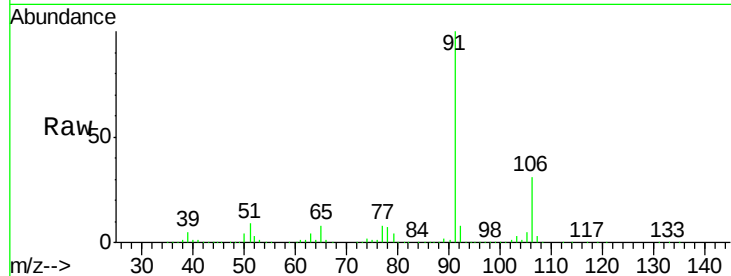
Ion Ratio Lower Upper

91 100

106 31.2 25.2 37.8

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#68

m/p-Xylenes

Concen: 101.282 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007898.D

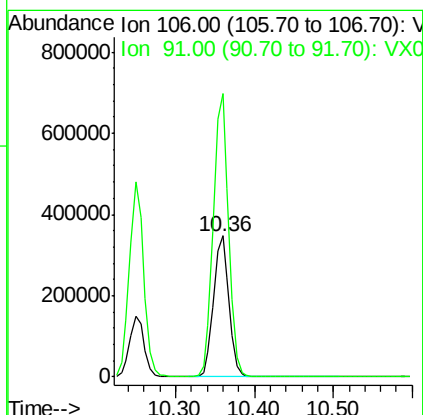
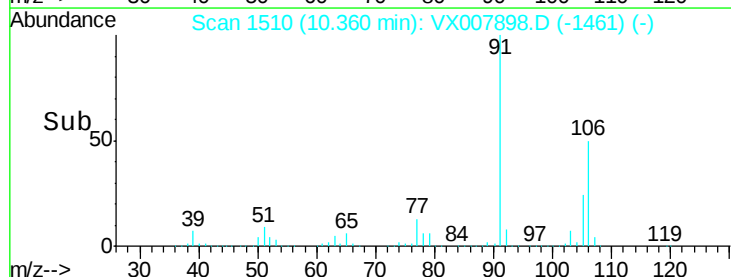
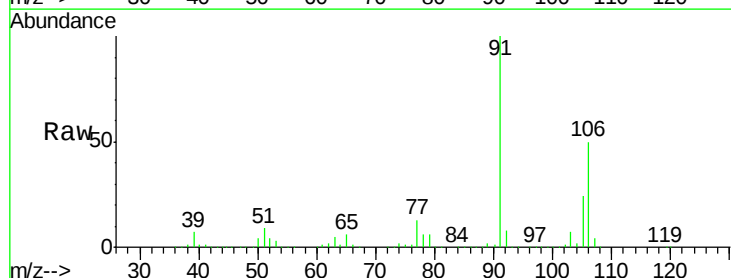
Acq: 07 Mar 2019 22:04

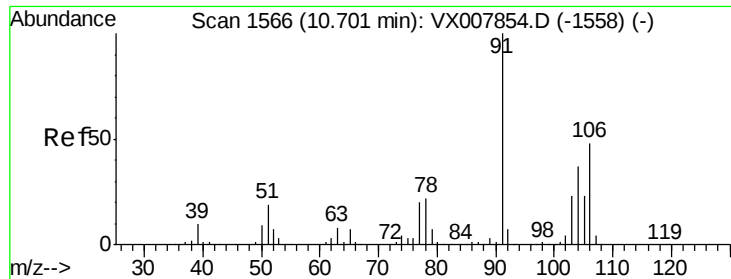
Tgt Ion: 106 Resp: 472372

Ion Ratio Lower Upper

106 100

91 200.1 159.8 239.6





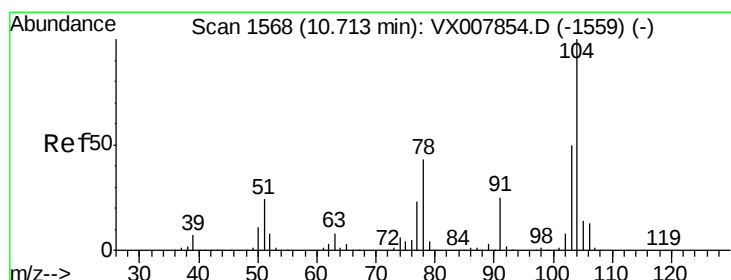
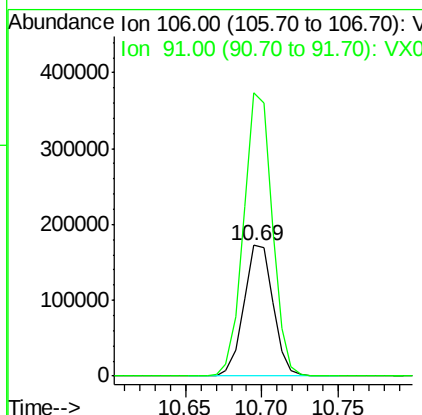
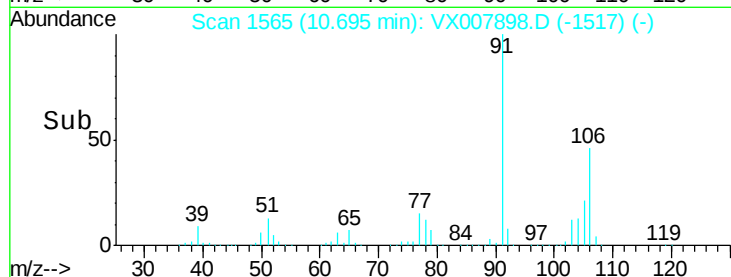
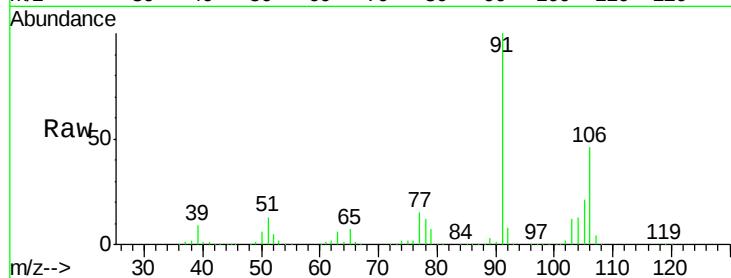
#69
o-Xylene
Concen: 50.720 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 228379
Ion Ratio Lower Upper
106 100
91 212.9 106.3 318.9

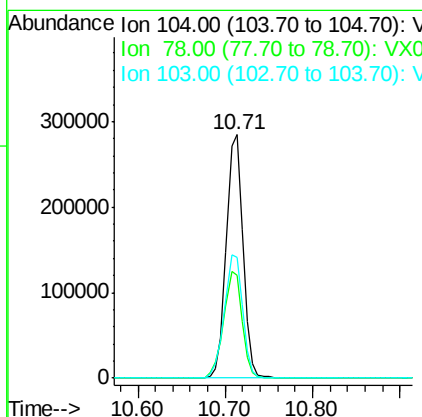
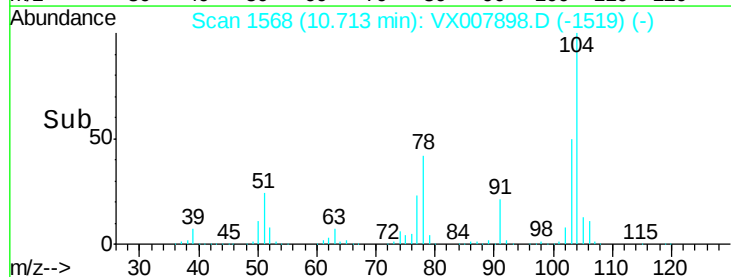
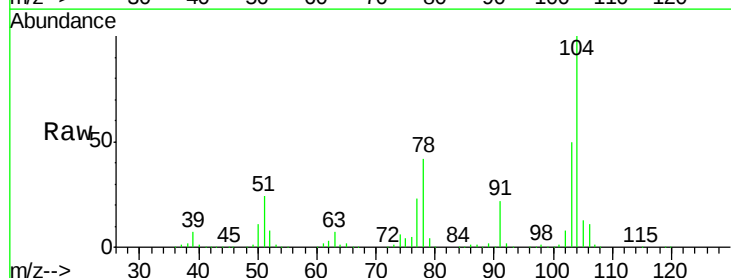
Manual Integrations
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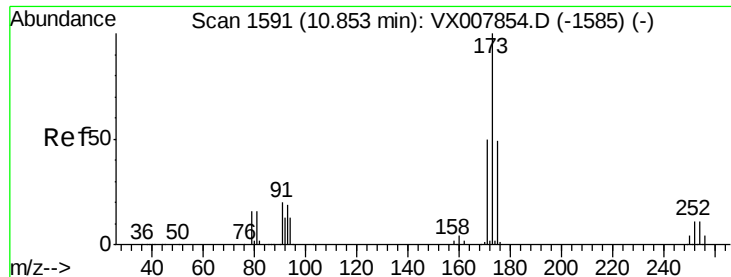
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#70
Styrene
Concen: 51.351 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Tgt Ion:104 Resp: 378363
Ion Ratio Lower Upper
104 100
78 48.2 38.5 57.7
103 55.6 44.1 66.1





#71

Bromoform

Concen: 51.282 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Instrument :

MSVOA_X

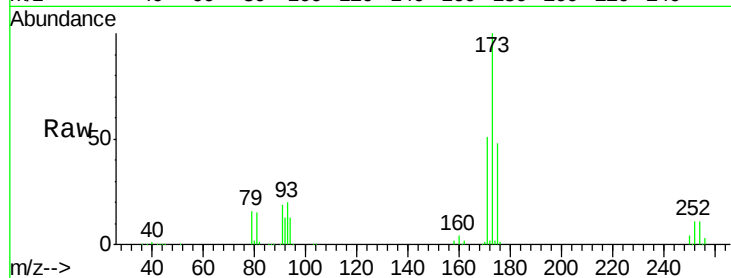
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.3	72.9
254	0.2	0.1	0.1#

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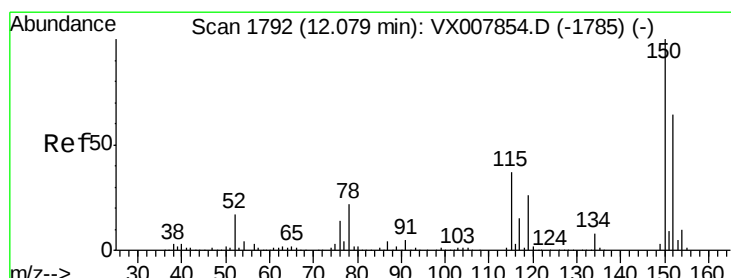
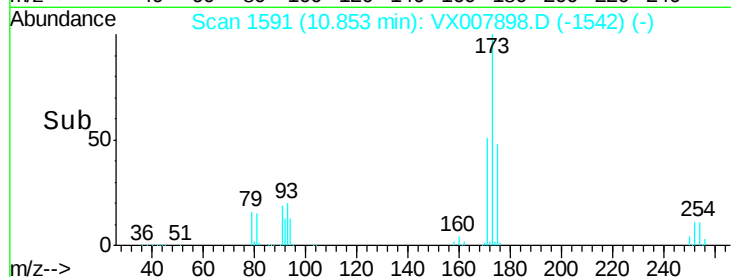
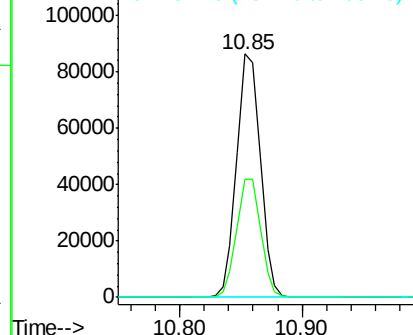


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

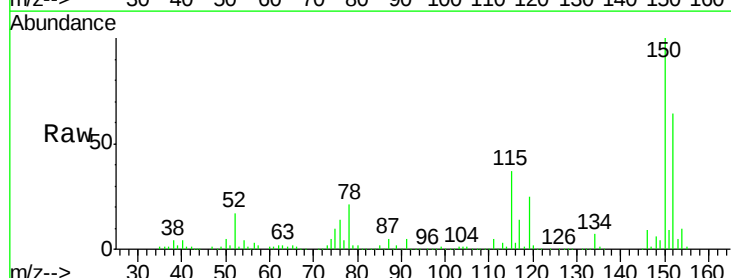
RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	76.2	38.6	115.7
150	171.7	0.0	348.4

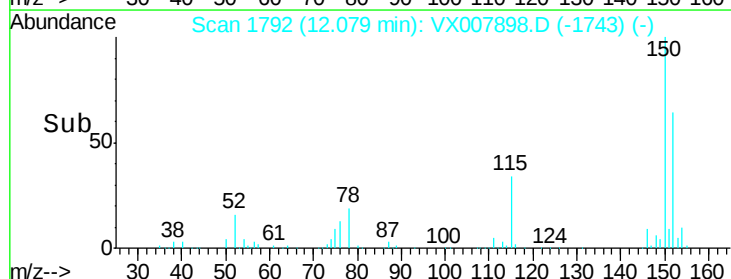
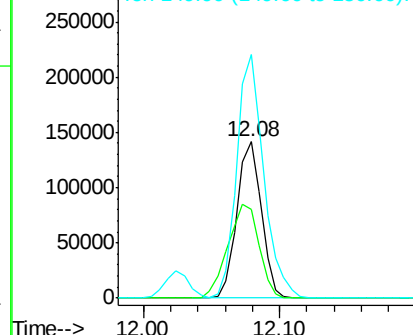


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.949 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 105 Resp: 610921

Ion Ratio Lower Upper

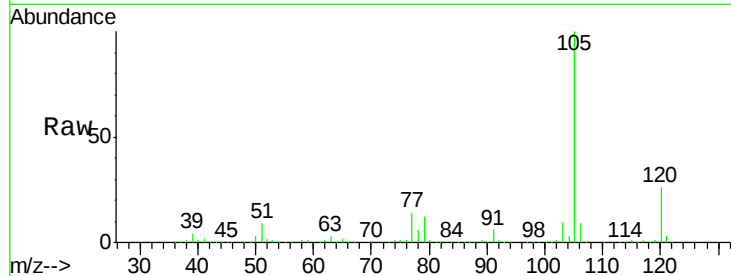
105 100

120 26.7 13.4 40.1

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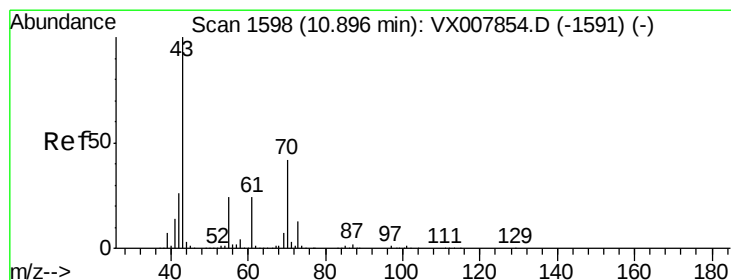
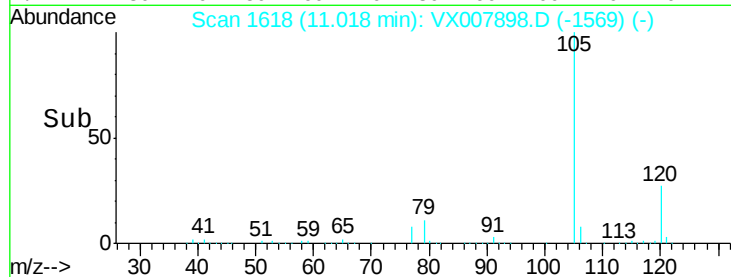
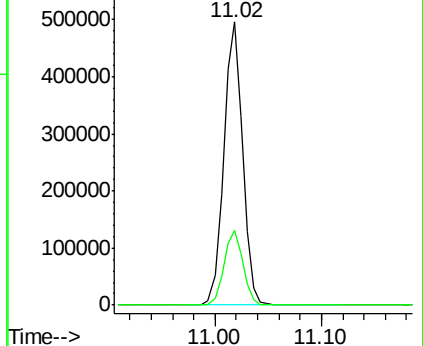
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.441 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Tgt Ion: 43 Resp: 276122

Ion Ratio Lower Upper

43 100

70 42.2 33.5 50.3

55 24.5 19.2 28.8

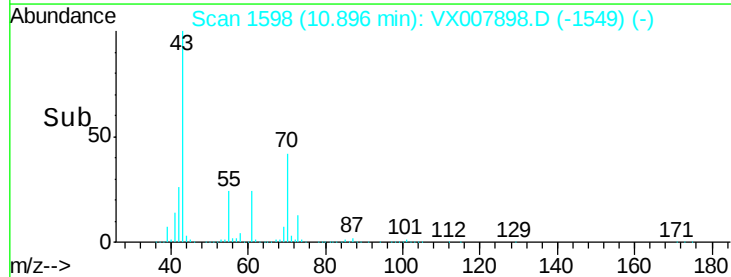
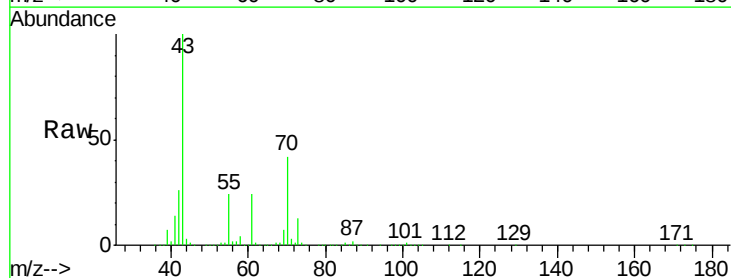
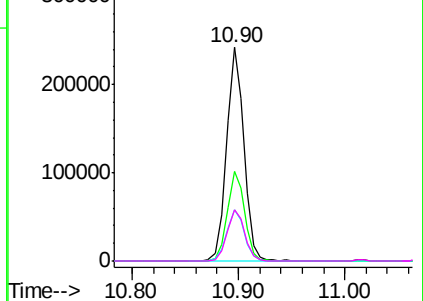
61 24.4 19.0 28.6

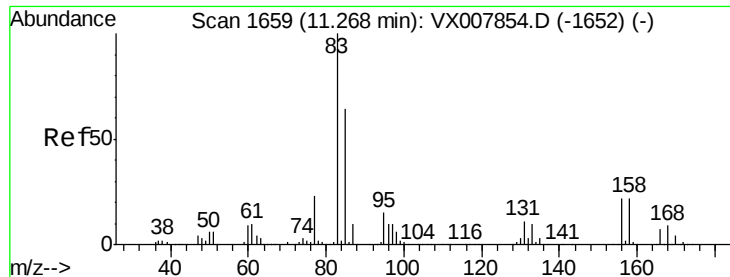
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.398 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Instrument :

MSVOA_X

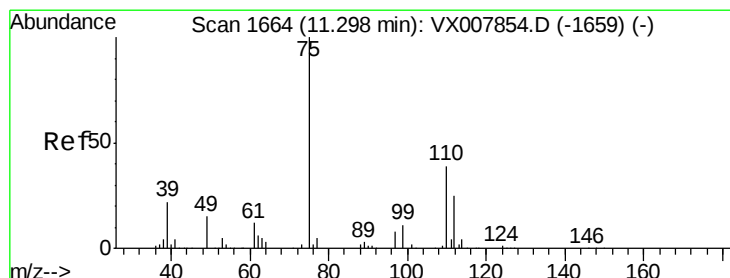
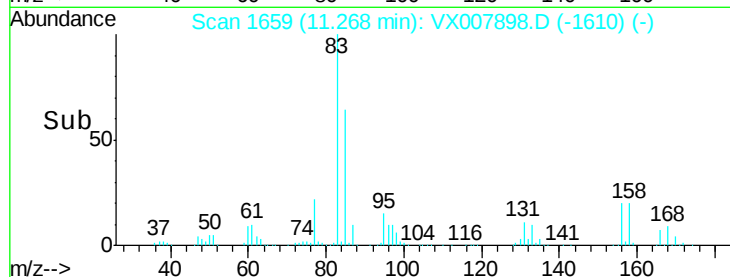
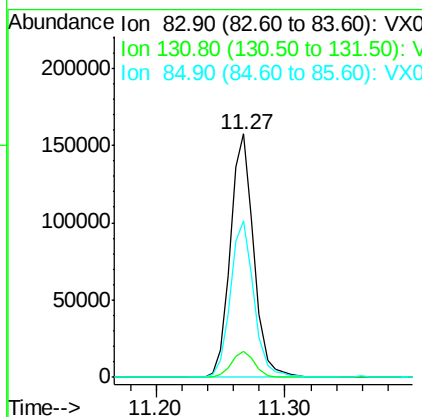
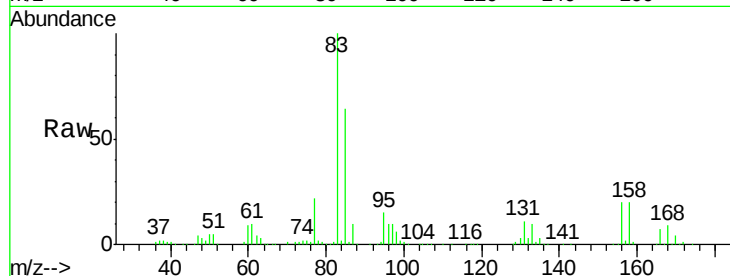
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	200177
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.4	16.2
85	64.5	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 51.658 ug/l m

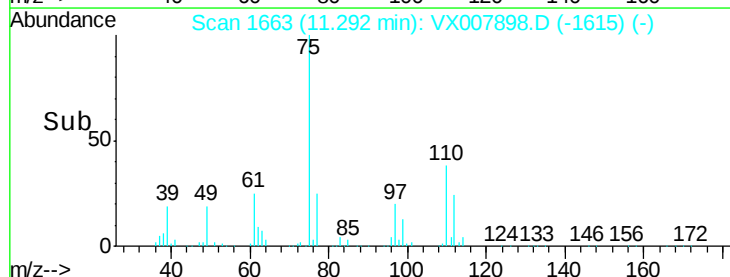
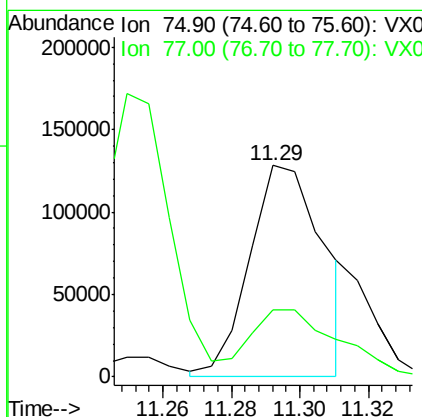
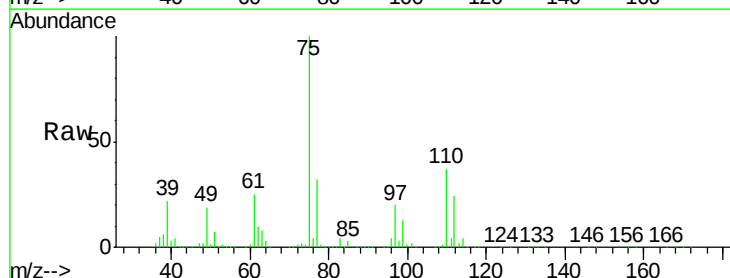
RT: 11.29 min Scan# 1663

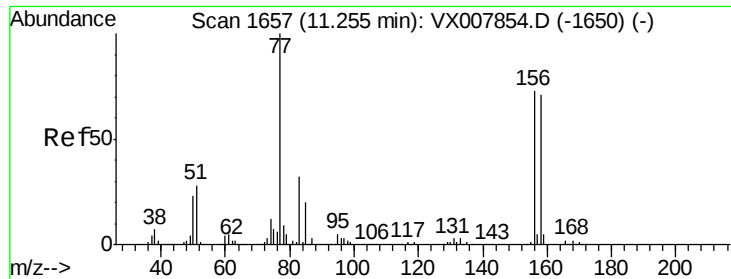
Delta R.T. -0.01 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Tgt Ion:	75	Resp:	192188
Ion Ratio	Lower	Upper	
75	100		
77	38.8	18.9	56.7





#77

Bromobenzene

Concen: 49.197 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 161733

Ion Ratio Lower Upper

156 100

77 143.2

158 96.9

72.0

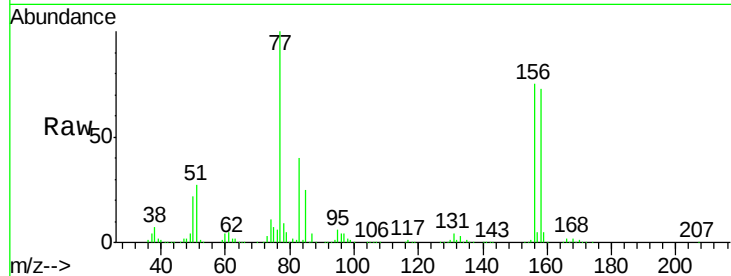
48.6

Manual Integrations

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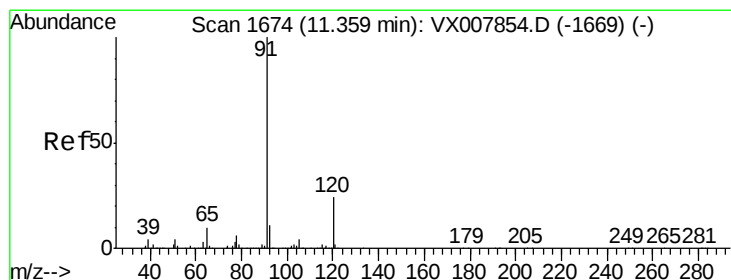
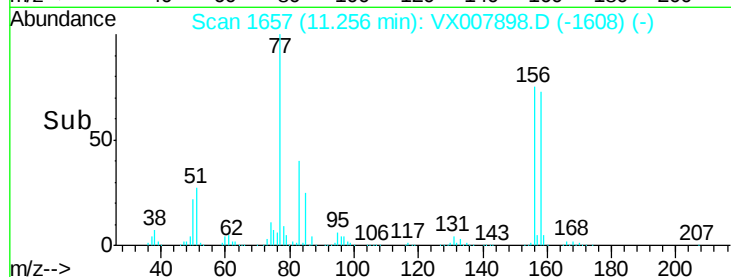
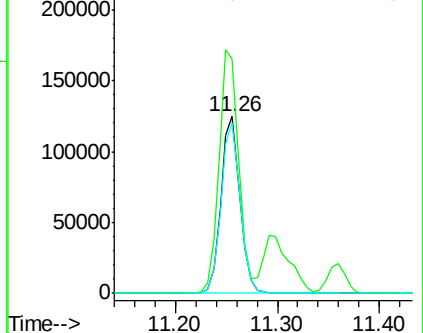
3/8/2019 9:39:58 AM



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: 51.148 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Tgt Ion: 91 Resp: 680393

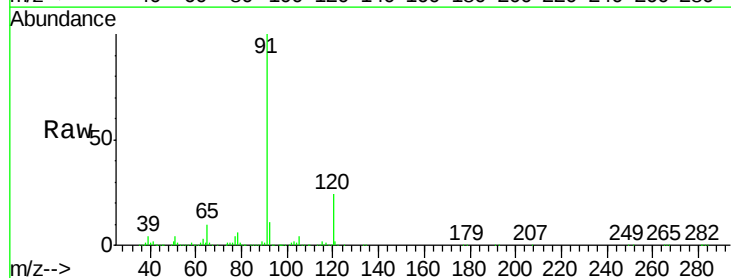
Ion Ratio Lower Upper

91 100

120 23.8

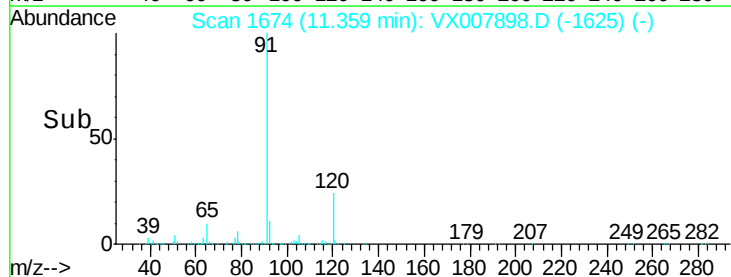
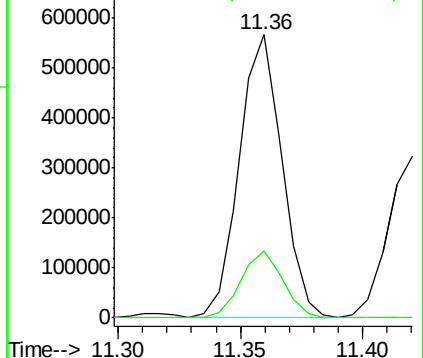
12.0

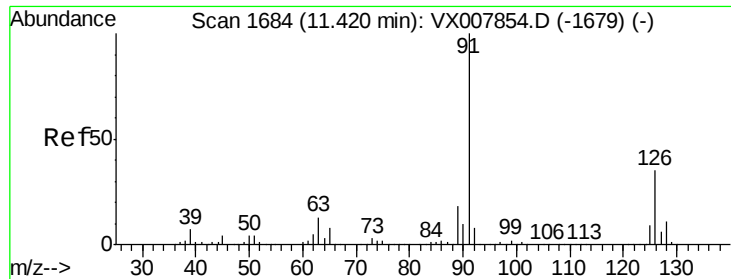
36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.688 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 404132

Ion Ratio Lower Upper

91 100

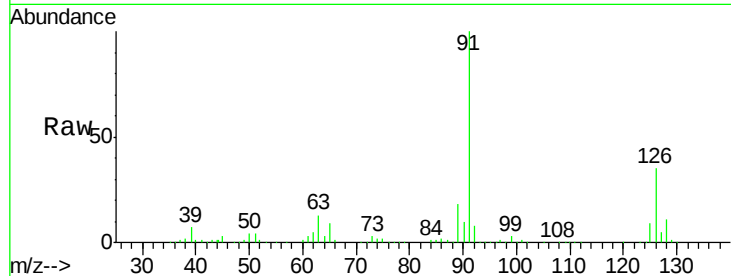
126 35.2 17.5 52.6

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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) (-)

600000

500000

400000

300000

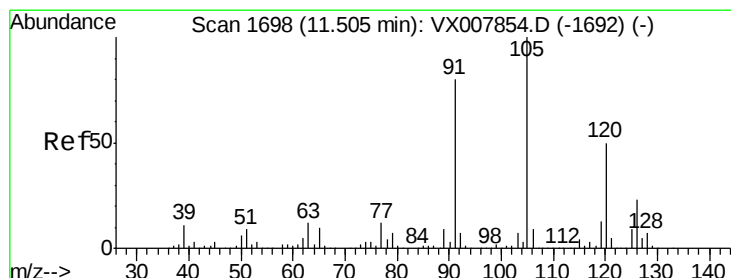
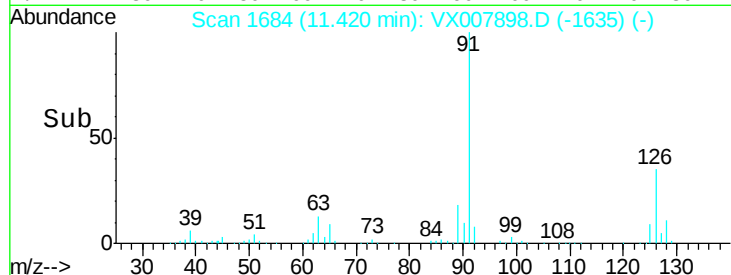
200000

100000

0

11.40 11.42 11.44

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.710 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007898.D

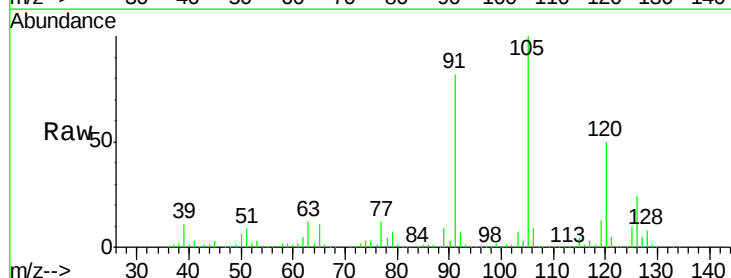
Acq: 07 Mar 2019 22:04

Tgt Ion: 105 Resp: 500465

Ion Ratio Lower Upper

105 100

120 49.6 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) (-)

500000

400000

300000

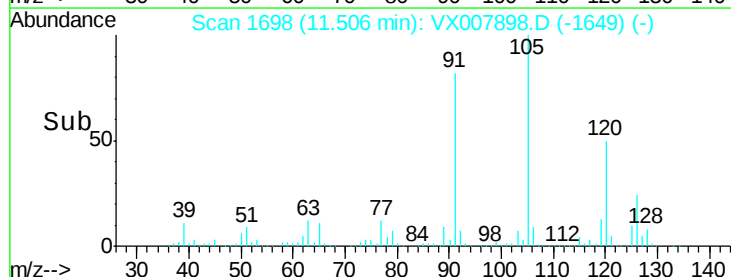
200000

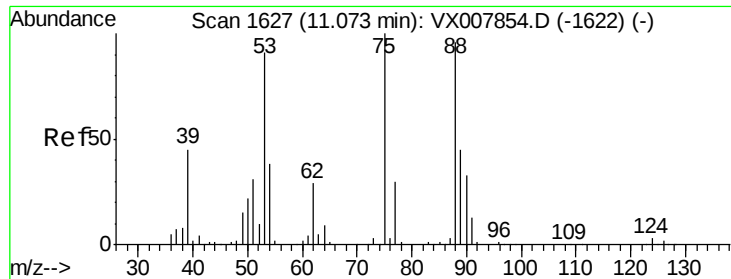
100000

0

11.50 11.51 11.52

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 49.820 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 57986

Ion Ratio Lower Upper

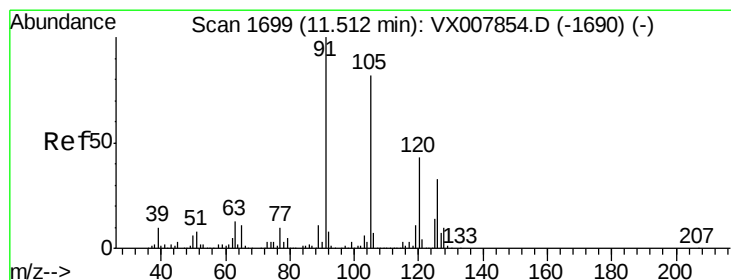
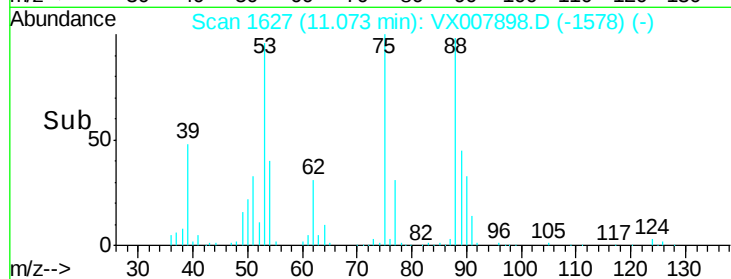
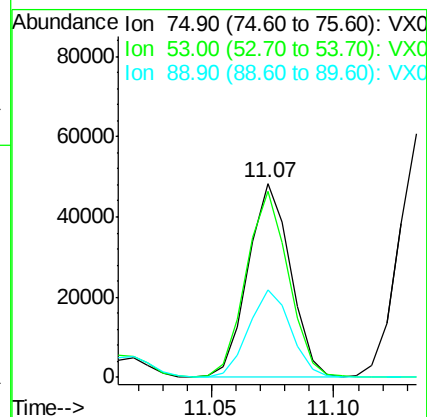
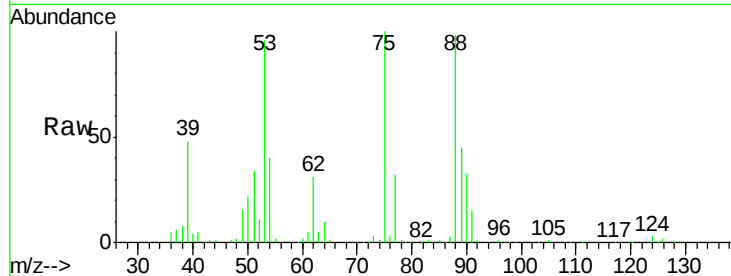
75 100

53 96.9 76.1 114.1

89 45.4 36.3 54.5

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#82

4-Chlorotoluene

Concen: 49.990 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007898.D

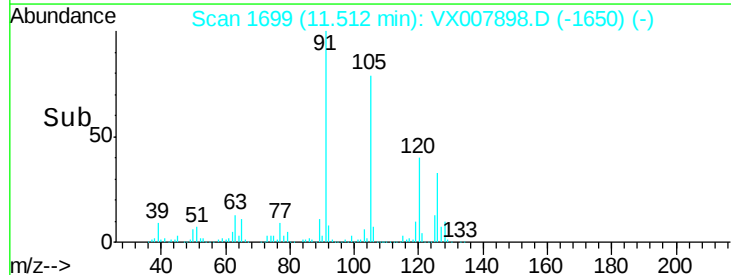
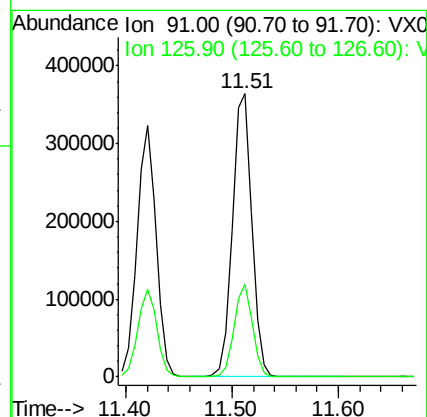
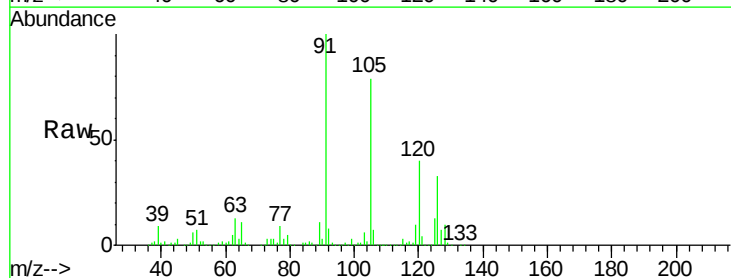
Acq: 07 Mar 2019 22:04

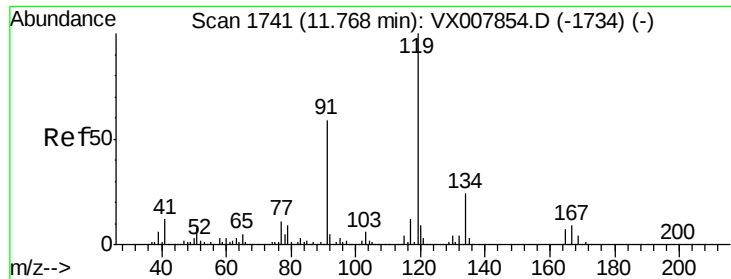
Tgt Ion: 91 Resp: 465953

Ion Ratio Lower Upper

91 100

126 31.2 15.6 46.8





#83

tert-Butylbenzene

Concen: 50.010 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Instrument :

MSVOA_X

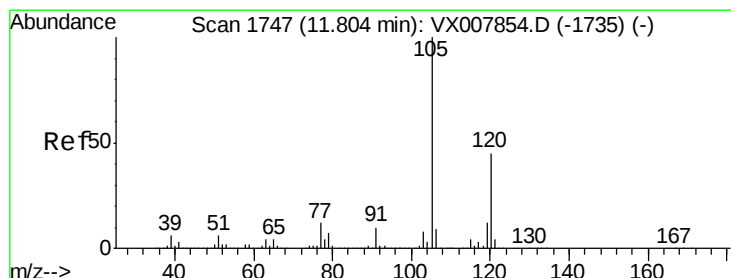
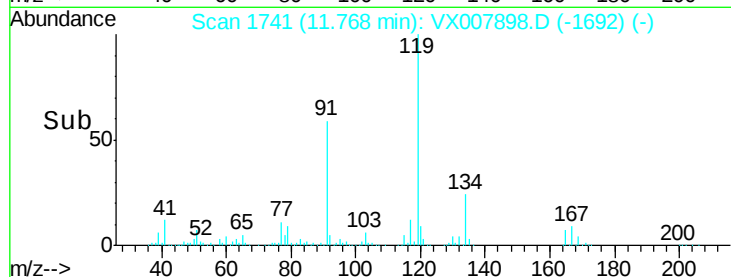
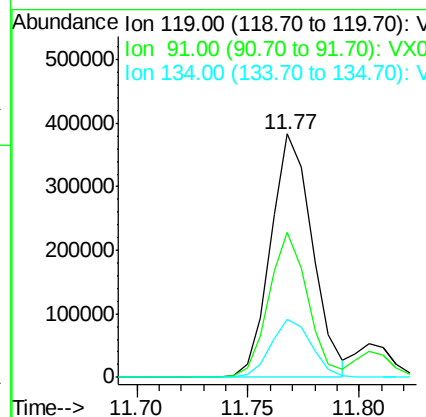
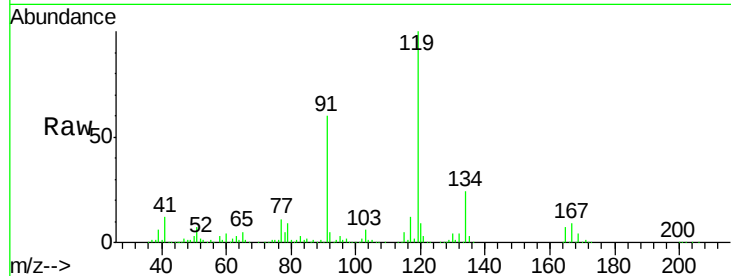
ClientSampled :

VSTDCCC050

Tot Ion:	119	Resp:	497149
Ion Ratio	Lower	Upper	
119	100		
91	55.6	27.1	81.3
134	23.2	11.4	34.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 50.962 ug/l

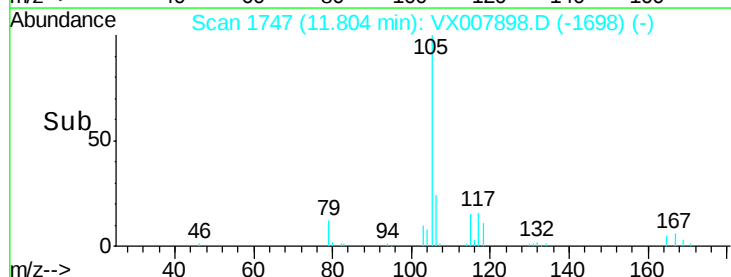
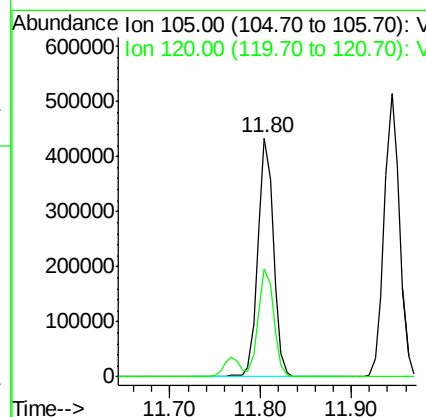
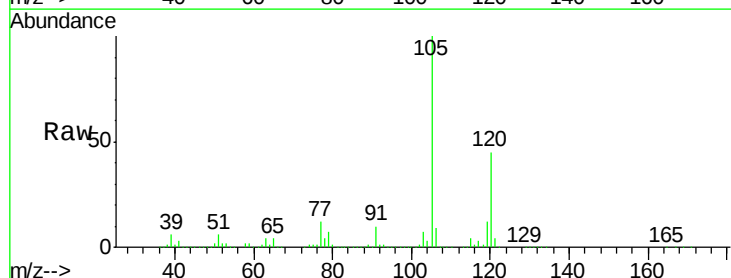
RT: 11.80 min Scan# 1747

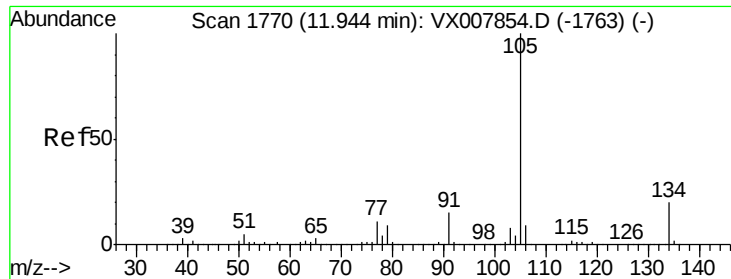
Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Tgt Ion:	105	Resp:	515583
Ion Ratio	Lower	Upper	
105	100		
120	45.1	22.6	67.7





#85

sec-Butylbenzene

Concen: 51.781 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 606262

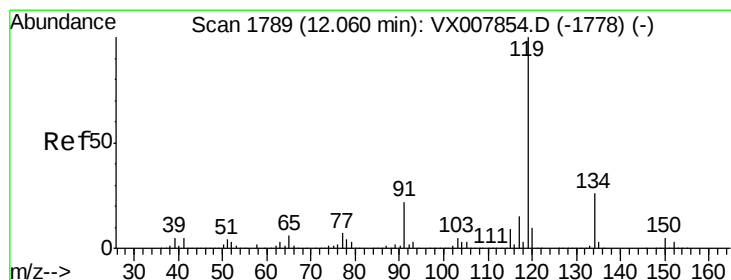
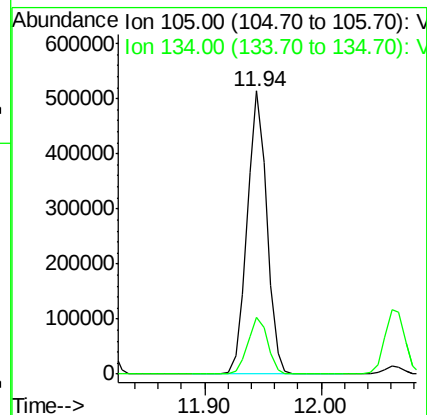
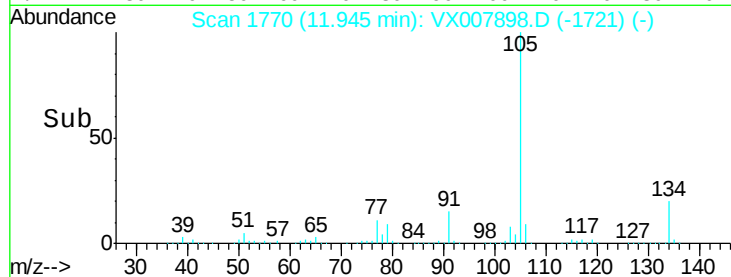
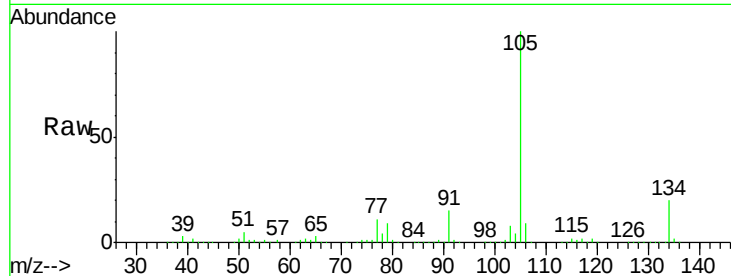
Ion Ratio Lower Upper

105 100

134 20.3 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 51.718 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

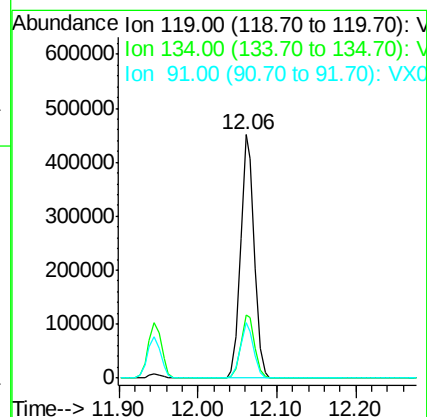
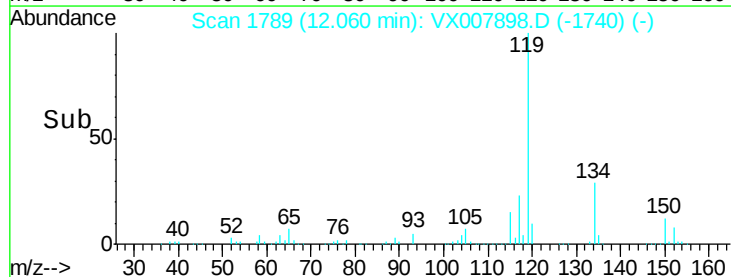
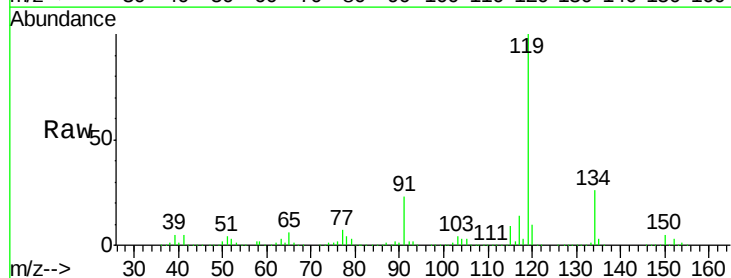
Tgt Ion:119 Resp: 542287

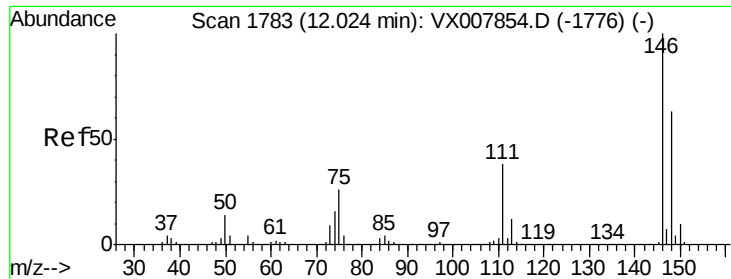
Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.9

91 22.0 10.9 32.7





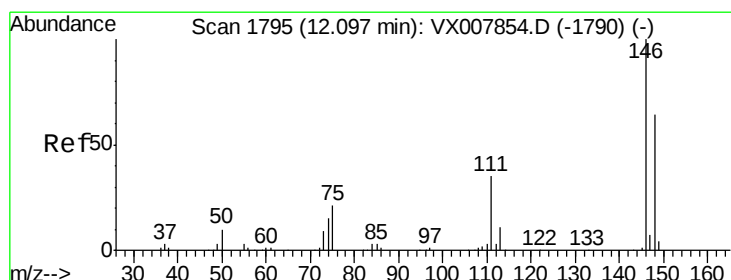
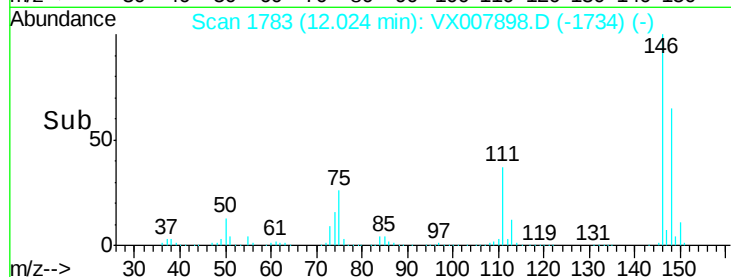
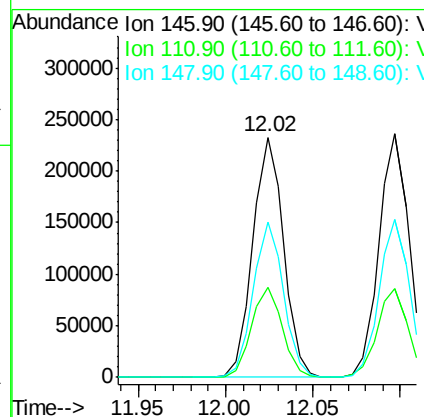
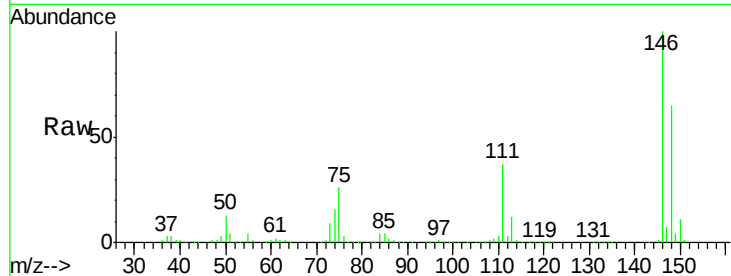
#87
 1,3-Dichlorobenzene
 Concen: 49.004 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007898.D
 Acq: 07 Mar 2019 22:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

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

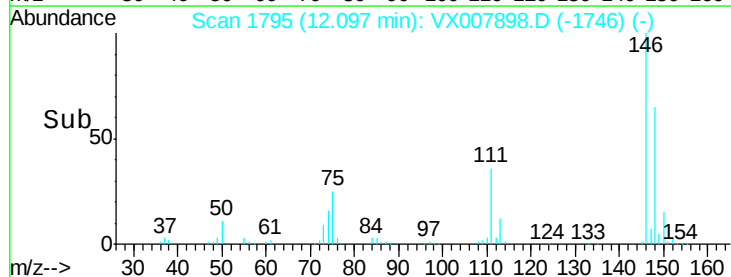
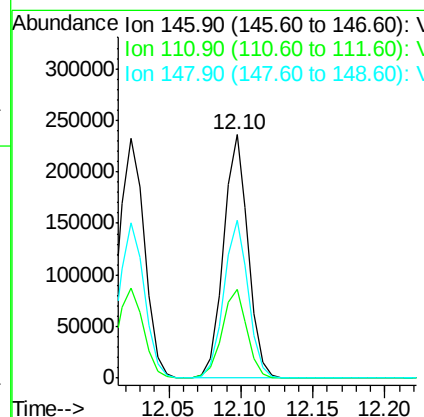
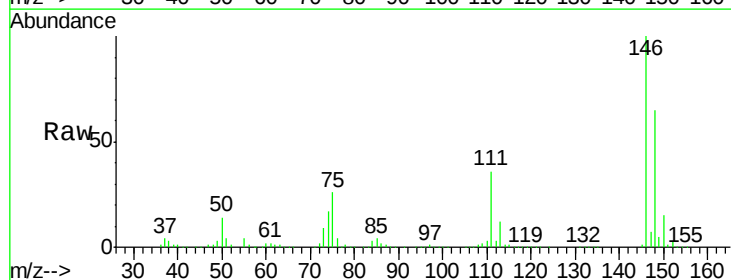
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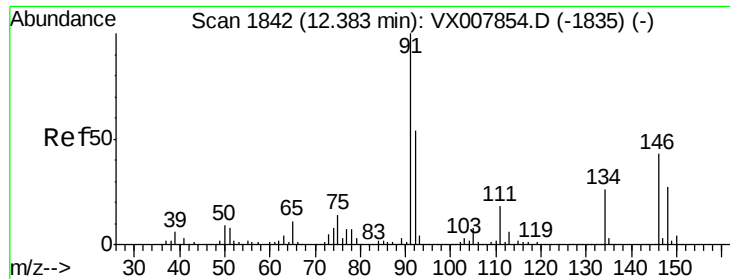
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#88
 1,4-Dichlorobenzene
 Concen: 47.467 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007898.D
 Acq: 07 Mar 2019 22:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.4	55.0
148	65.0	32.2	96.6





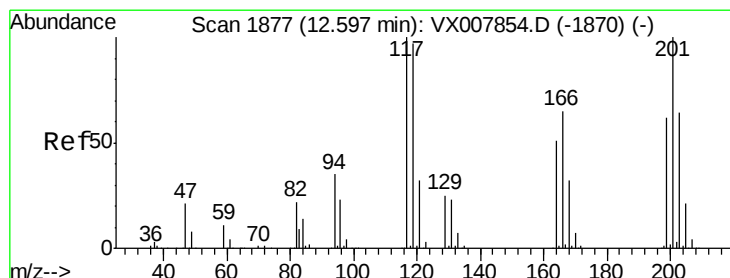
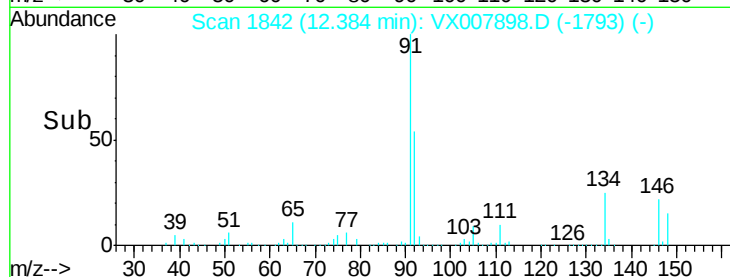
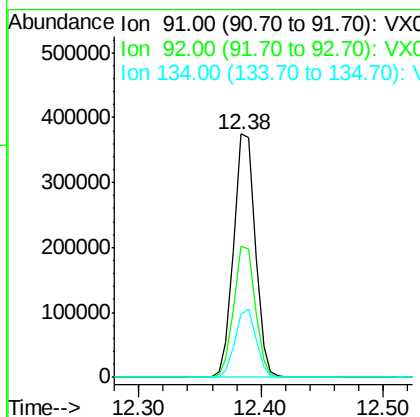
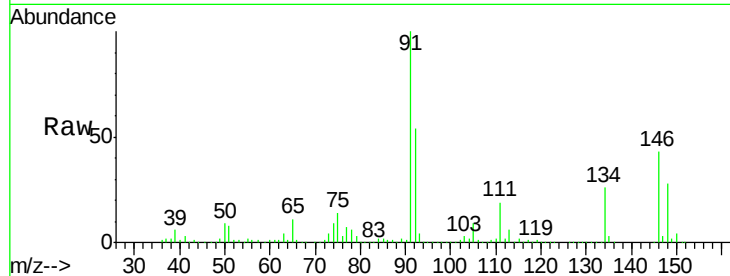
#89
n-Butylbenzene
Concen: 51.168 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.0	80.8
134	27.4	13.7	41.0

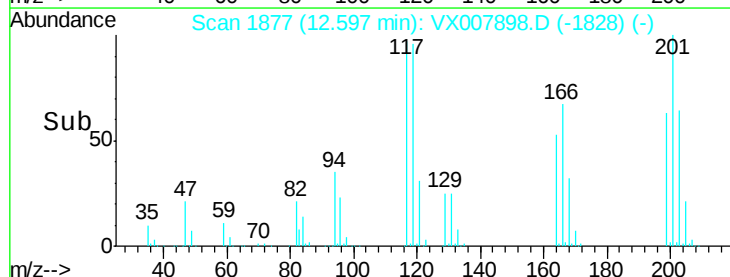
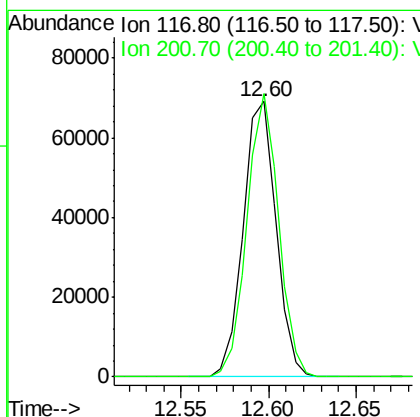
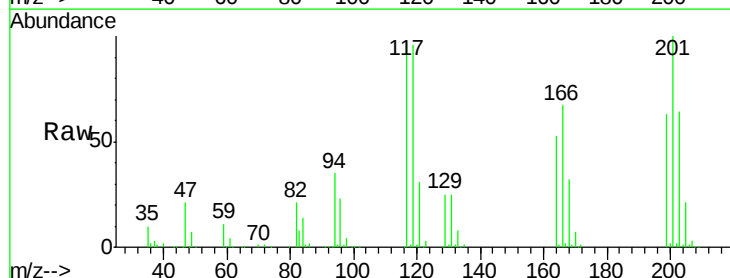
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#90
Hexachloroethane
Concen: 51.595 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007898.D
Acq: 07 Mar 2019 22:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.6	48.9	146.7





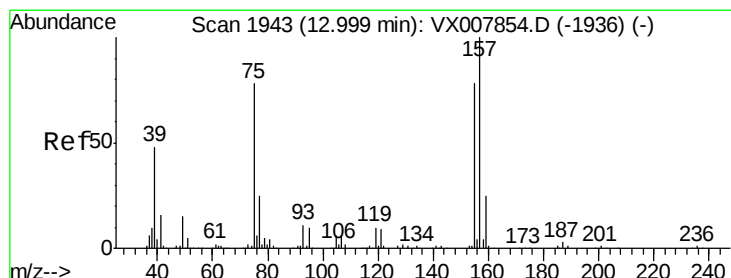
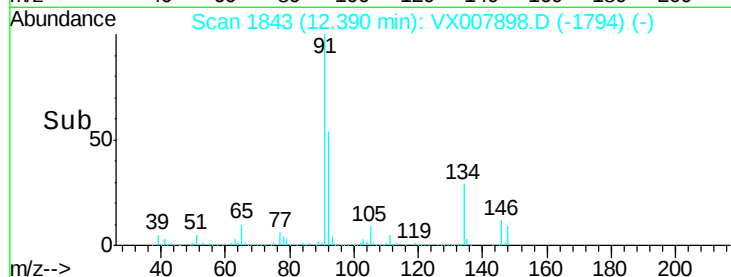
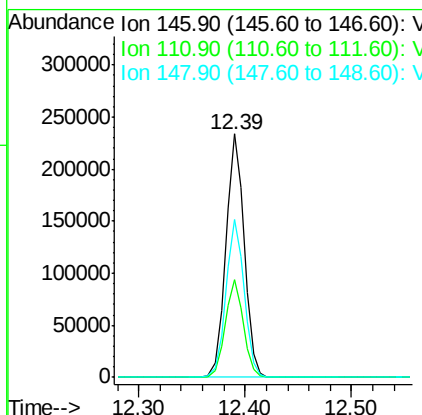
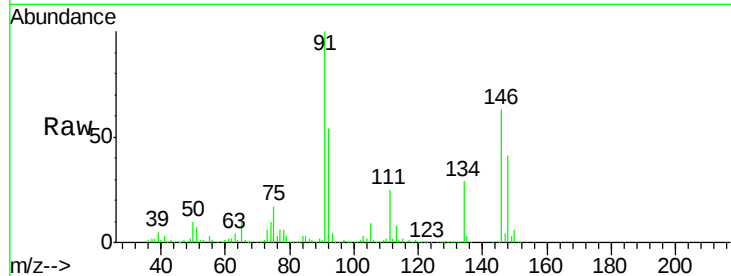
#91
 1,2-Dichlorobenzene
 Concen: 48.840 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007898.D
 Acq: 07 Mar 2019 22:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.6	58.8
148	64.3	31.9	95.5

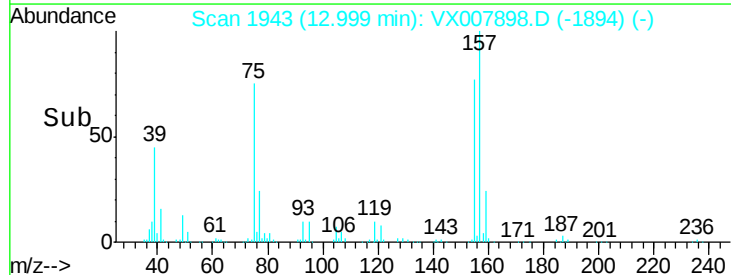
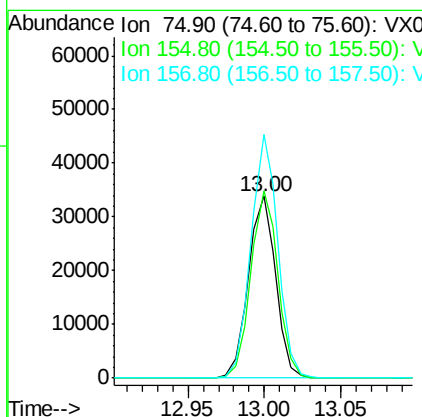
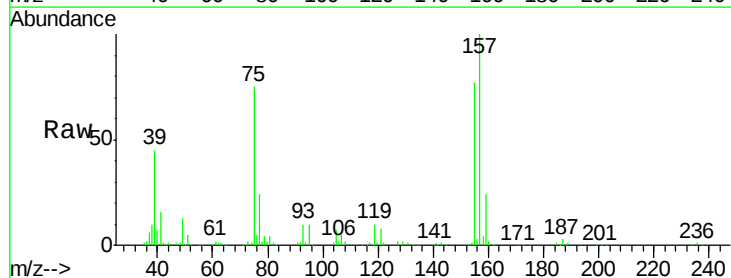
Manual Integrations
 APPROVED

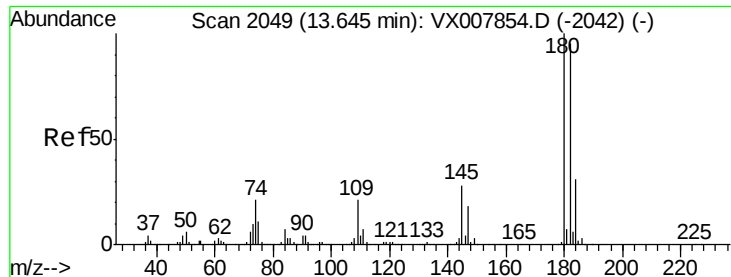
MMDadoda
 3/8/2019 9:39:58 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.639 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007898.D
 Acq: 07 Mar 2019 22:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.7	49.7	149.1
157	131.5	63.8	191.4





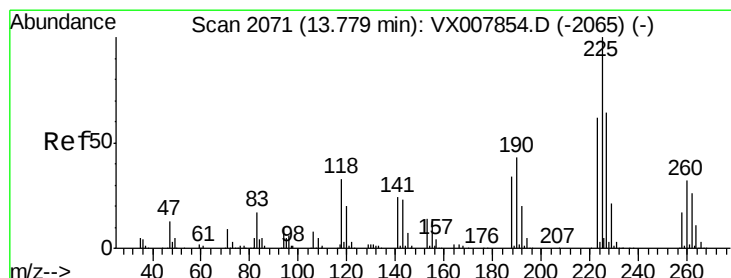
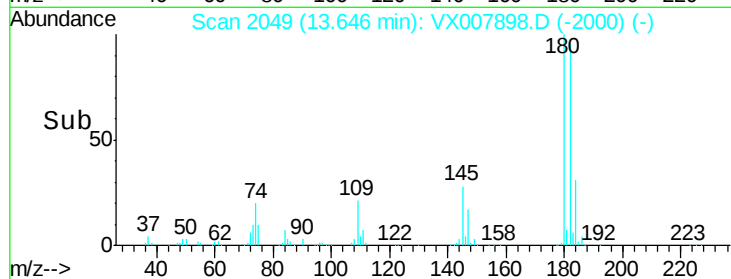
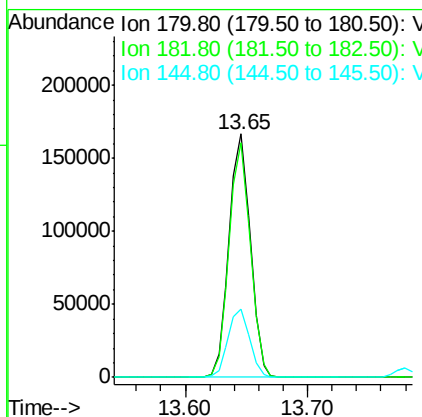
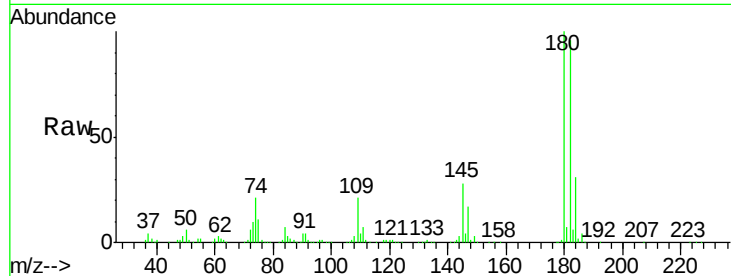
#93
 1,2,4-Trichlorobenzene
 Concen: 49.346 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007898.D
 Acq: 07 Mar 2019 22:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.9	143.7
145	28.5	14.1	42.4

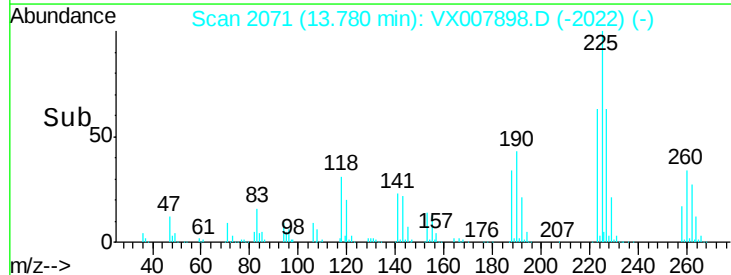
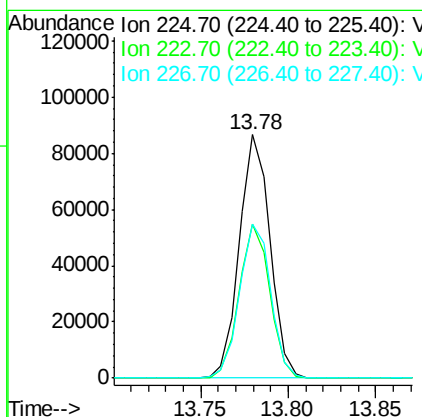
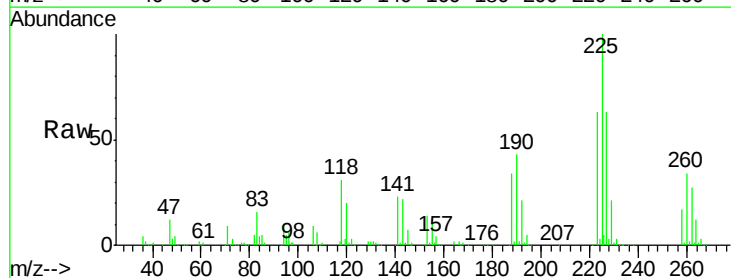
Manual Integrations
 APPROVED

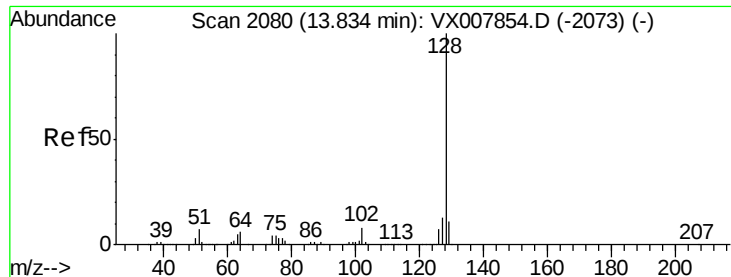
MMDadoda
 3/8/2019 9:39:58 AM



#94
 Hexachlorobutadiene
 Concen: 49.641 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007898.D
 Acq: 07 Mar 2019 22:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.1	93.2
227	64.0	32.0	96.0





#95

Naphthalene

Concen: 51.576 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Instrument :

MSVOA_X

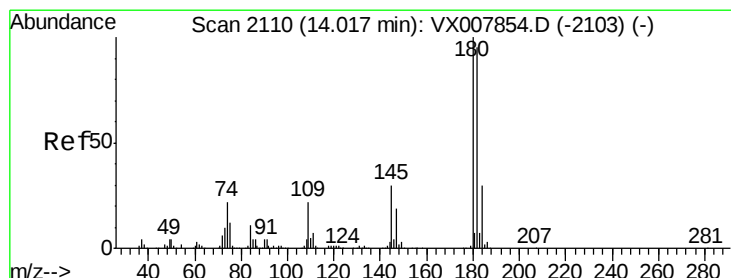
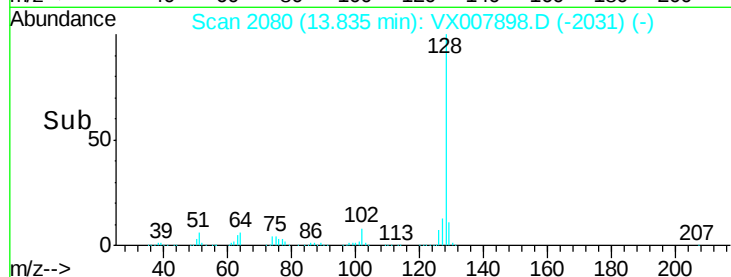
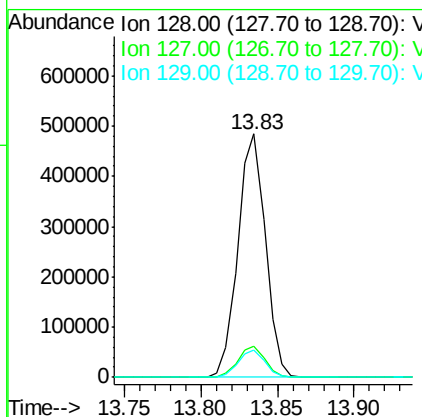
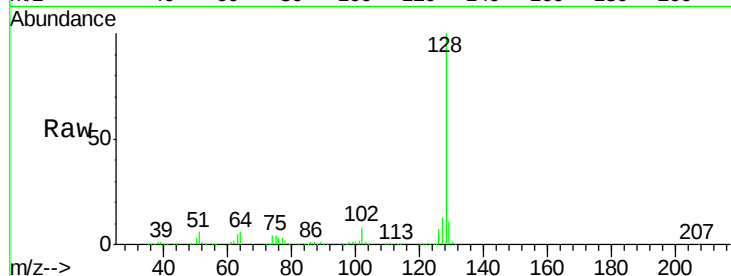
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	603171
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/8/2019 9:39:58 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.278 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007898.D

Acq: 07 Mar 2019 22:04

Tgt Ion:	180	Resp:	203288
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.5	142.5
145	29.6	14.8	44.3

