

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX031119\
 Data File : VX007992.D
 Acq On : 12 Mar 2019 03:11
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/12/2019 3:23:55 PM

Quant Time: Mar 12 09:30:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	208540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	309957	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	289662	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	150639	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	121185	55.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.18%	
35) Dibromofluoromethane	5.50	113	106058	53.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.98%	
50) Toluene-d8	8.71	98	385661	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
62) 4-Bromofluorobenzene	11.13	95	144001	56.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.82%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	76566	42.974	ug/l	99
3) Chloromethane	1.33	50	105593	45.989	ug/l	100
4) Vinyl Chloride	1.41	62	102118	44.761	ug/l	99
5) Bromomethane	1.64	94	59212	55.429	ug/l	99
6) Chloroethane	1.72	64	71602	47.244	ug/l	100
7) Trichlorofluoromethane	1.93	101	136052	45.804	ug/l	97
8) Diethyl Ether	2.19	74	70862	55.093	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	85919	46.678	ug/l	99
10) Methyl Iodide	2.51	142	141249	54.092	ug/l	98
11) Tert butyl alcohol	3.07	59	138597	281.718	ug/l	99
12) 1,1-Dichloroethene	2.37	96	83440	47.028	ug/l	99
13) Acrolein	2.29	56	85445	306.552	ug/l	99
14) Allyl chloride	2.73	41	175256	47.007	ug/l	99
15) Acrylonitrile	3.15	53	331635	267.064	ug/l	100
16) Acetone	2.45	43	271065	212.881	ug/l	99
17) Carbon Disulfide	2.57	76	248604	46.105	ug/l	99
18) Methyl Acetate	2.78	43	153755	56.839	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	347117	56.868	ug/l	100
20) Methylene Chloride	2.85	84	107585	53.089	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	94648	48.481	ug/l	98
22) Diisopropyl ether	3.87	45	355723	52.049	ug/l	98
23) Vinyl Acetate	3.82	43	1563998	260.960	ug/l	98
24) 1,1-Dichloroethane	3.70	63	187858	51.077	ug/l	99
25) 2-Butanone	4.70	43	444876	246.785	ug/l	97
26) 2,2-Dichloropropane	4.58	77	91699	37.633	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	113462	50.789	ug/l	95
28) Bromochloromethane	5.01	49	89510	52.202	ug/l	97
29) Tetrahydrofuran	5.15	42	297830	264.867	ug/l	99
30) Chloroform	5.21	83	180189	51.792	ug/l	100
31) Cyclohexane	5.57	56	152829	45.212	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	140024	48.508	ug/l	99
36) 1,1-Dichloropropene	5.80	75	125486	44.711	ug/l	99
37) Ethyl Acetate	4.85	43	169014	50.746	ug/l	99
38) Carbon Tetrachloride	5.78	117	121874	45.740	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	155163	45.625	ug/l	98
40) Benzene	6.14	78	415175	49.689	ug/l	100
41) Methacrylonitrile	5.05	41	95814	52.766	ug/l	99
42) 1,2-Dichloroethane	6.20	62	141510	51.788	ug/l	100
43) Isopropyl Acetate	6.46	43	263779	53.514	ug/l	99
44) Trichloroethene	7.21	130	113807	49.426	ug/l	98
45) 1,2-Dichloropropane	7.51	63	115373	52.280	ug/l	99
46) Dibromomethane	7.66	93	74375	53.255	ug/l	98
47) Bromodichloromethane	7.90	83	138734	52.395	ug/l	98
48) Methyl methacrylate	7.77	41	139275	53.742	ug/l	98
49) 1,4-Dioxane	7.75	88	57733	1084.476	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	846200	266.945	ug/l	99
52) Toluene	8.78	92	260729	51.112	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	151656	54.875	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	167305	53.608	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	114867	55.626	ug/l	99
56) Ethyl methacrylate	9.18	69	177886	57.373	ug/l	97
57) 1,3-Dichloropropane	9.37	76	189100	54.538	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	461208	287.568	ug/l	99
59) 2-Hexanone	9.49	43	629326	255.712	ug/l	99
60) Dibromochloromethane	9.58	129	120421	55.791	ug/l	100
61) 1,2-Dibromoethane	9.67	107	122155	55.716	ug/l	99
64) Tetrachloroethene	9.34	164	118180	49.233	ug/l	98
65) Chlorobenzene	10.13	112	298530	49.251	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	111241	51.206	ug/l	100
67) Ethyl Benzene	10.25	91	484891	48.598	ug/l	100
68) m/p-Xylenes	10.36	106	379399	98.650	ug/l	100
69) o-Xylene	10.69	106	185609	49.989	ug/l	100
70) Styrene	10.71	104	315717	51.962	ug/l	99
71) Bromoform	10.85	173	96138	51.532	ug/l #	99
73) Isopropylbenzene	11.02	105	482557	47.366	ug/l	100
74) N-amyl acetate	10.90	43	223451	48.043	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	166314	47.326	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	161421m	51.066	ug/l	
77) Bromobenzene	11.26	156	137311	49.159	ug/l	98
78) n-propylbenzene	11.36	91	538877	47.678	ug/l	100
79) 2-Chlorotoluene	11.42	91	331364	47.951	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	408893	48.764	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	46558	47.080	ug/l	99
82) 4-Chlorotoluene	11.51	91	381924	48.226	ug/l	99
83) tert-Butylbenzene	11.77	119	394700	46.730	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	423717	49.293	ug/l	100
85) sec-Butylbenzene	11.94	105	476378	47.888	ug/l	99
86) p-Isopropyltoluene	12.06	119	430780	48.353	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	241906	48.954	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	243430	48.103	ug/l	100
89) n-Butylbenzene	12.38	91	360697	47.788	ug/l	100
90) Hexachloroethane	12.60	117	71130	47.753	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	243692	49.641	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35305	48.071	ug/l	96

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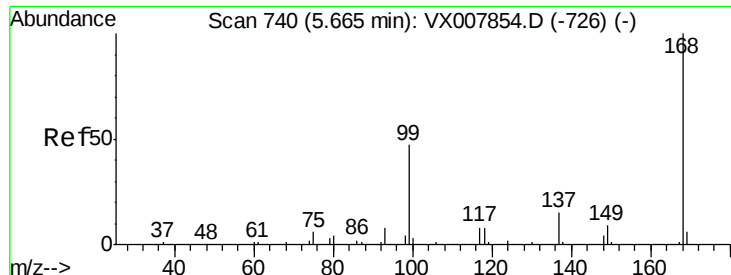
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	177355	51.428	ug/l	100
94) Hexachlorobutadiene	13.78	225	85620	47.488	ug/l	99
95) Naphthalene	13.83	128	529921	53.331	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	178136	51.853	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 208540

Ion Ratio Lower Upper

168 100

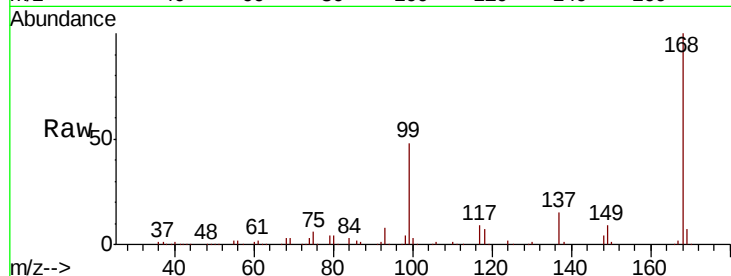
99 48.3 37.6 56.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

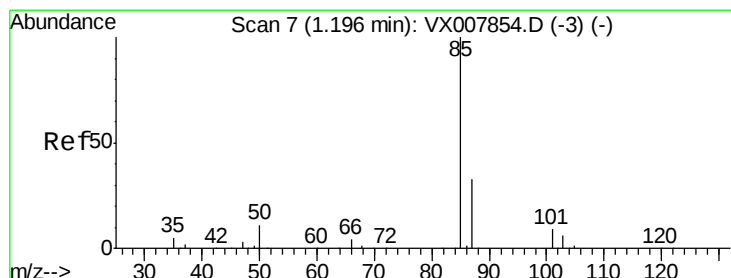
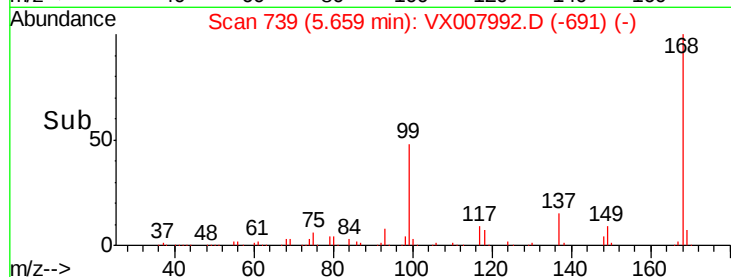
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 42.974 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007992.D

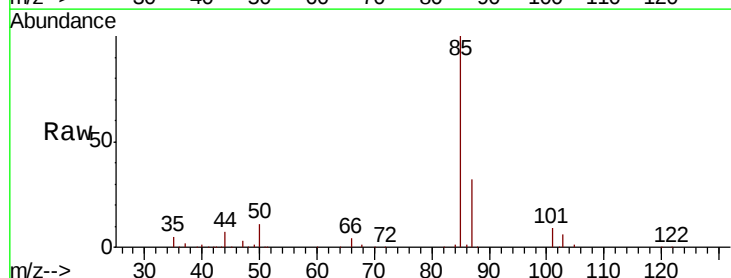
Acq: 12 Mar 2019 03:11

Tgt Ion: 85 Resp: 76566

Ion Ratio Lower Upper

85 100

87 32.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

80000

60000

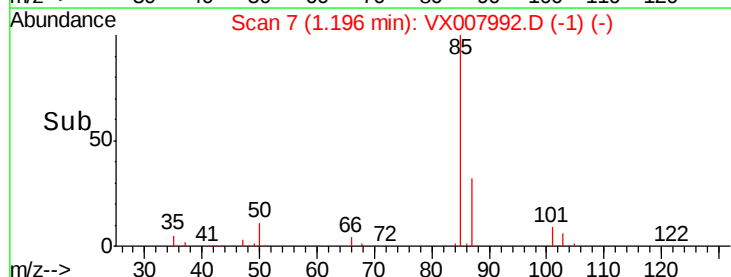
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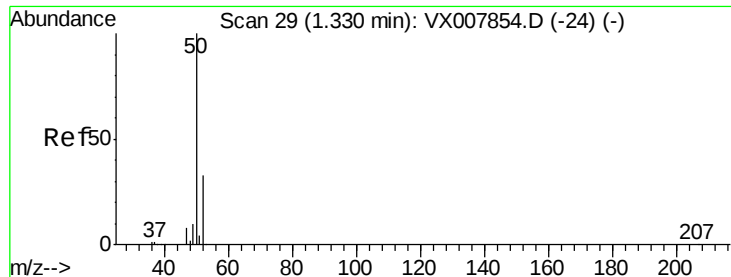
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 45.989 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 105593

Ion Ratio Lower Upper

50 100

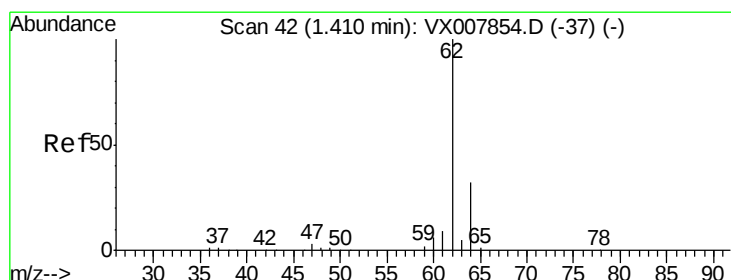
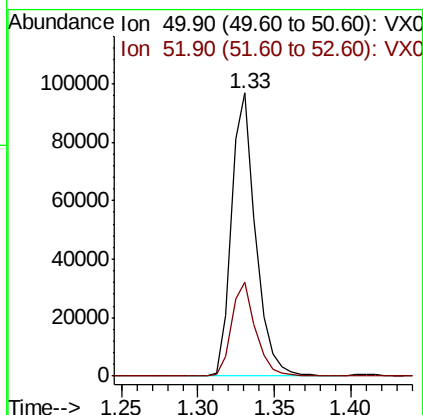
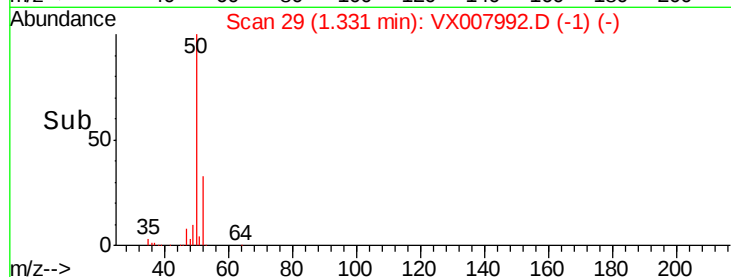
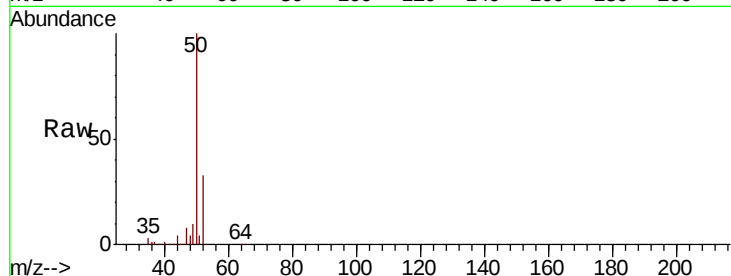
52 33.0 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.761 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007992.D

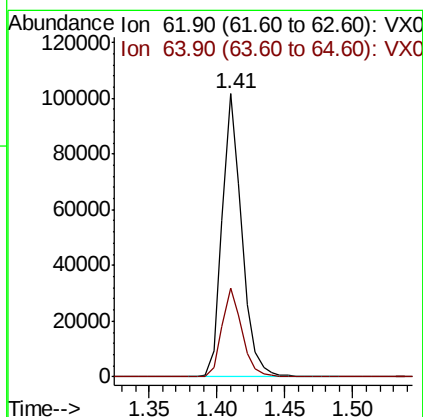
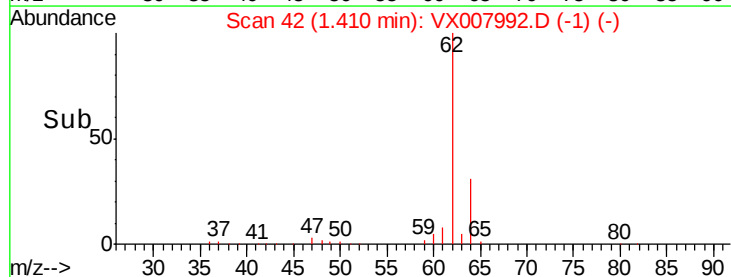
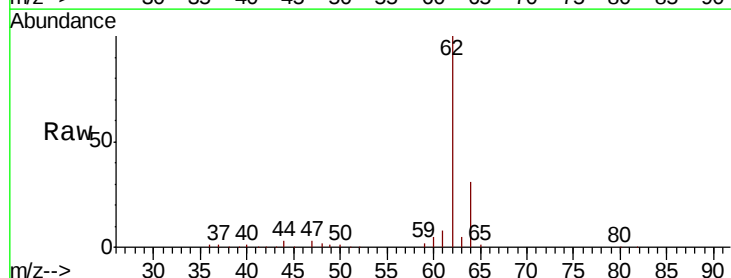
Acq: 12 Mar 2019 03:11

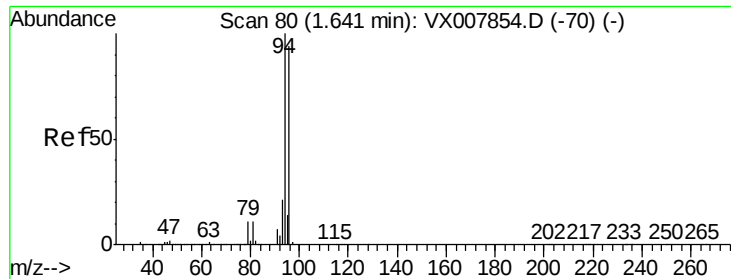
Tgt Ion: 62 Resp: 102118

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9





#5

Bromomethane

Concen: 55.429 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 59212

Ion Ratio Lower Upper

94 100

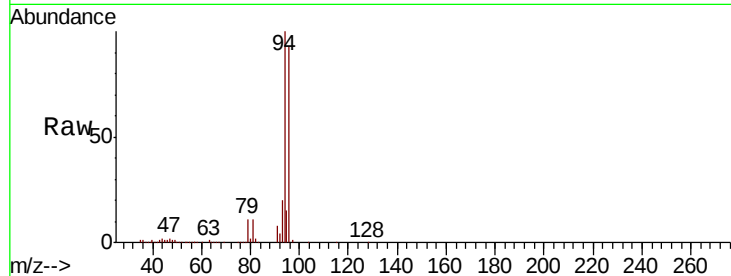
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Manual Integrations

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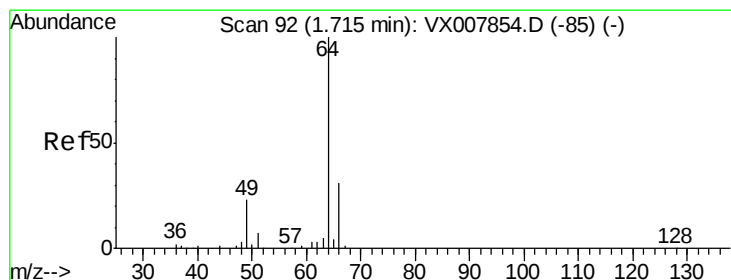
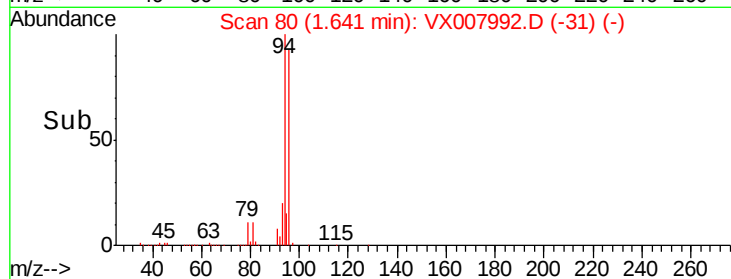
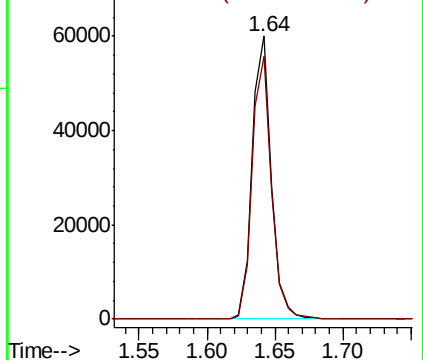
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 47.244 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX007992.D

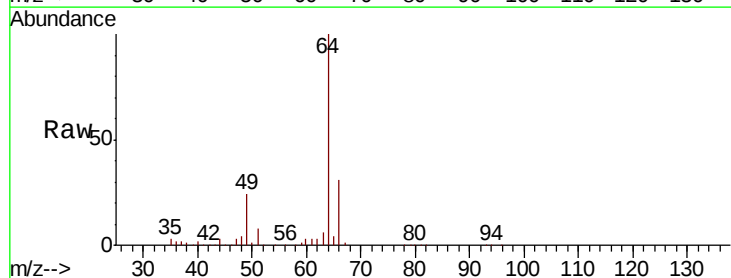
Acq: 12 Mar 2019 03:11

Tgt Ion: 64 Resp: 71602

Ion Ratio Lower Upper

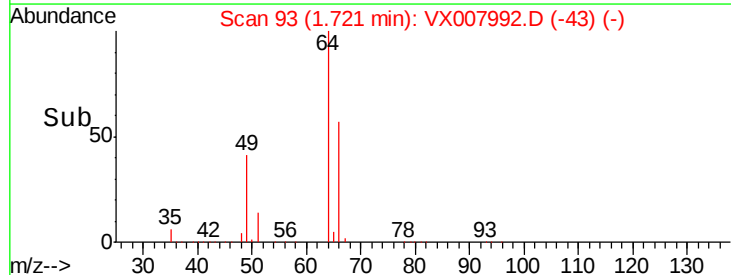
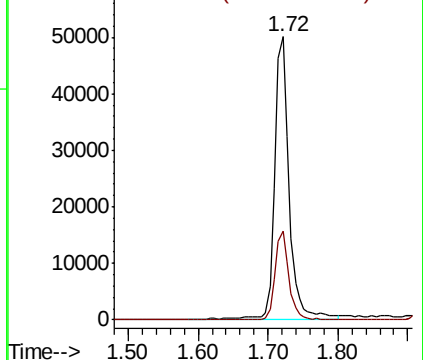
64 100

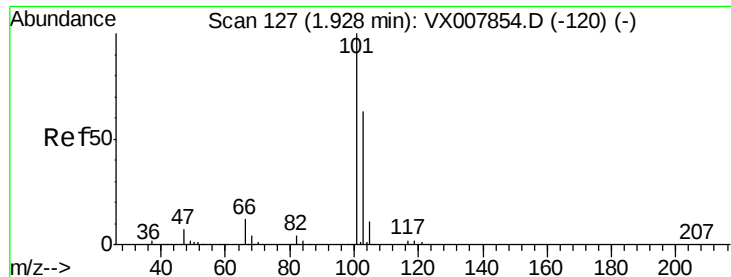
66 31.5 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

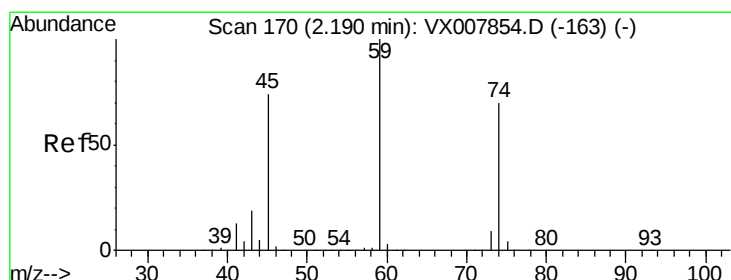
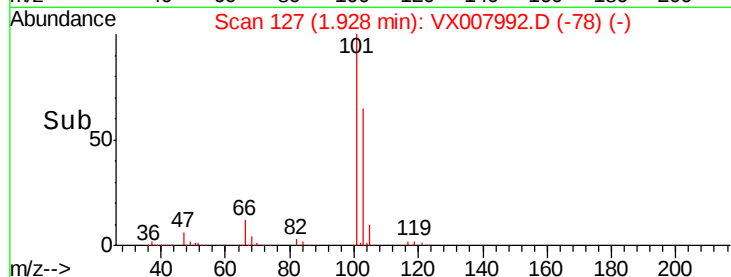
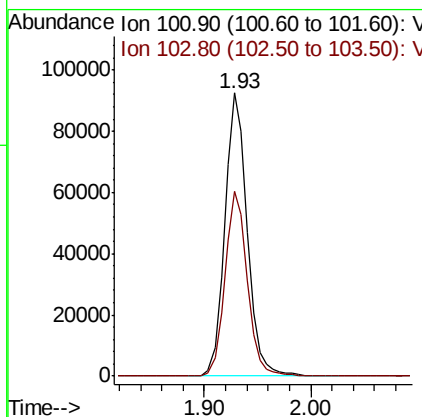
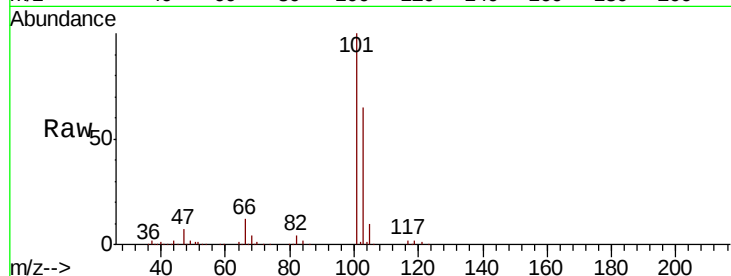
Trichlorofluoromethane
Concen: 45.804 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.1	50.4	75.6

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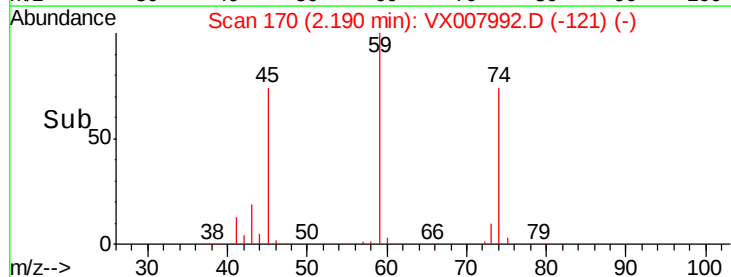
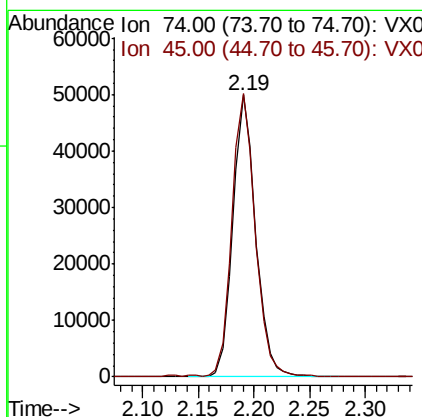
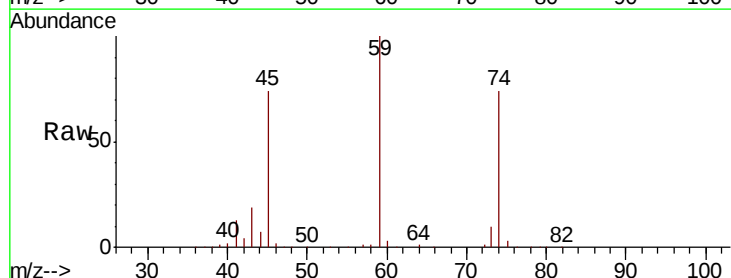
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3/12/2019 3:23:55 PM

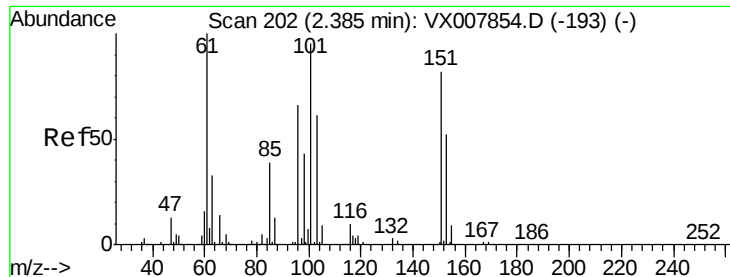


#8

Diethyl Ether
Concen: 55.093 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.2	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.678 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

Instrument :

MSVOA_X

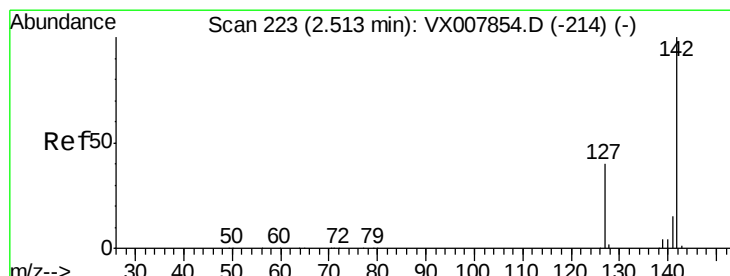
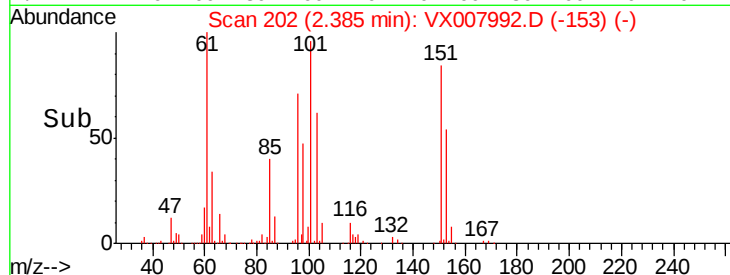
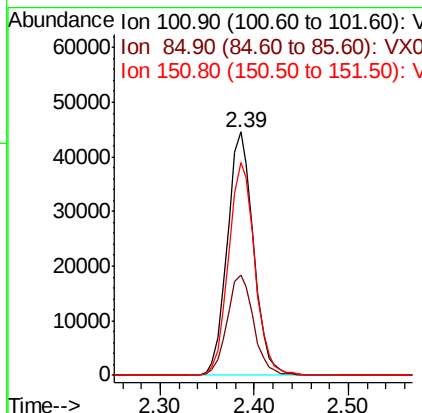
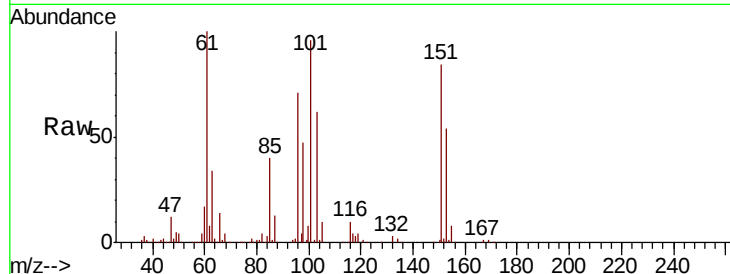
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	85919
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.8	50.6
151	87.9	69.1	103.7

Manual Integrations
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#10

Methyl Iodide

Concen: 54.092 ug/l

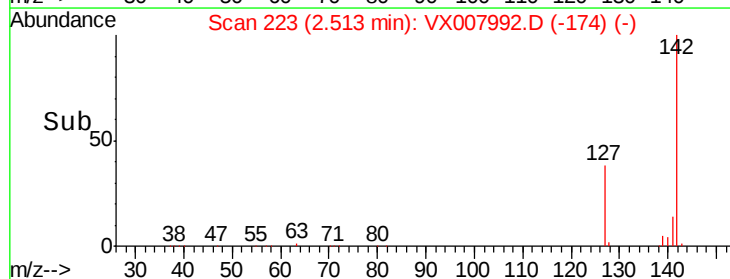
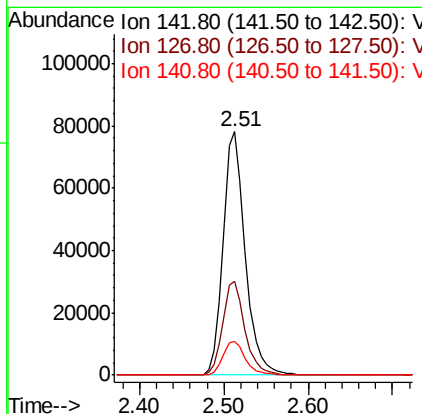
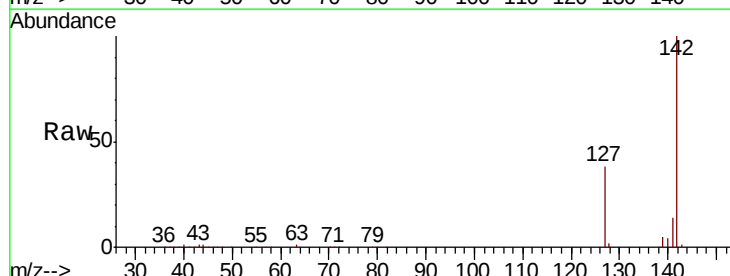
RT: 2.51 min Scan# 223

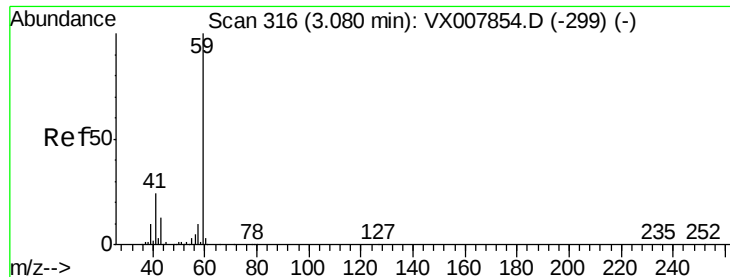
Delta R.T. 0.00 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

Tgt Ion:	142	Resp:	141249
Ion Ratio	Lower	Upper	
142	100		
127	38.8	32.1	48.1
141	14.2	11.4	17.2





#11

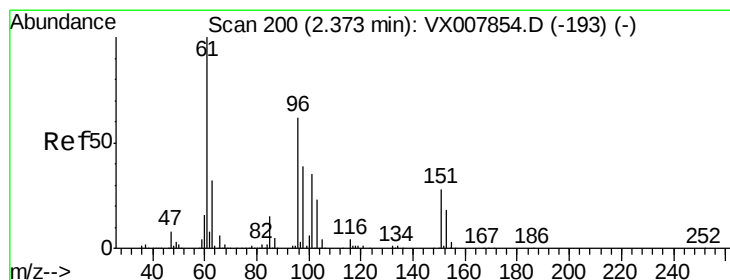
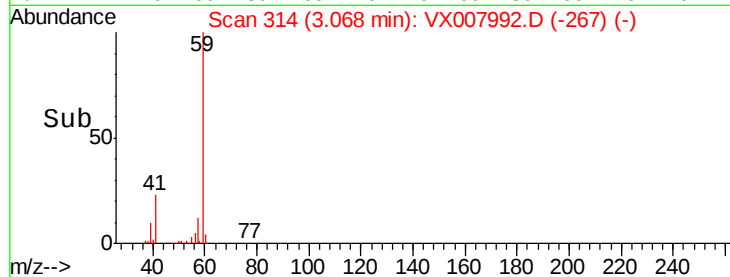
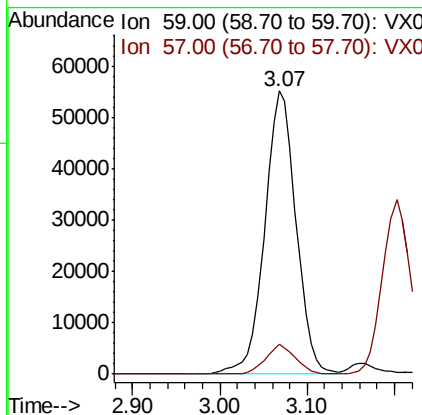
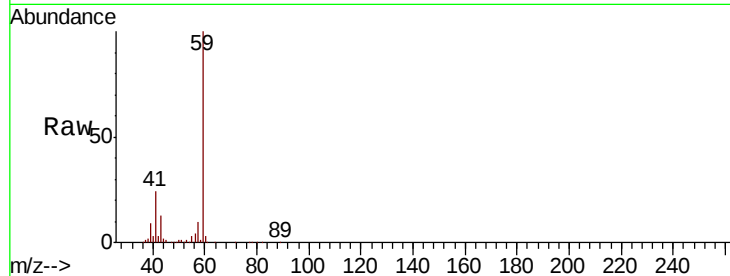
Tert butyl alcohol
Concen: 281.718 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.2

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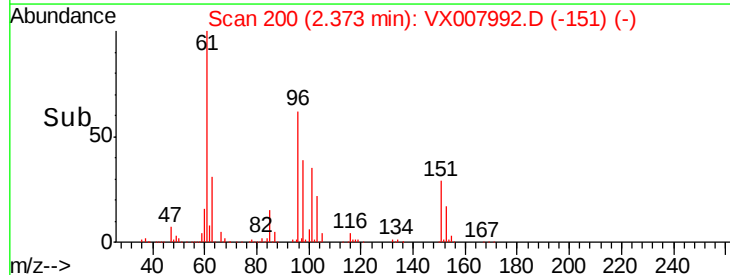
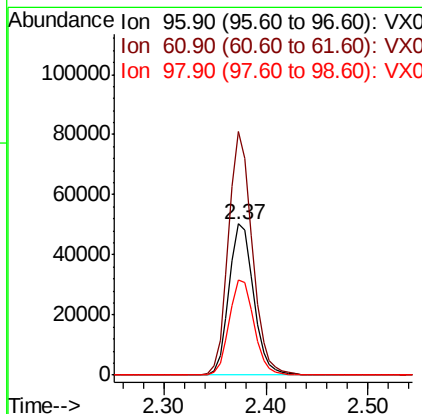
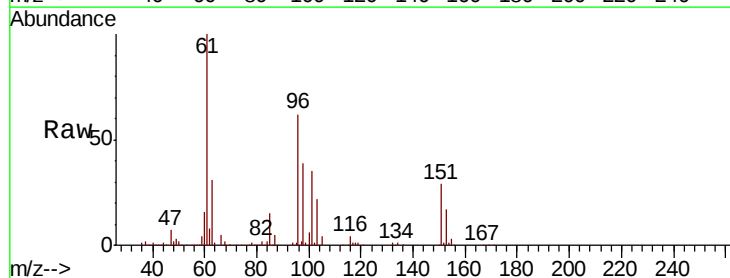
MMDadoda
3/12/2019 3:23:55 PM



#12

1,1-Dichloroethene
Concen: 47.028 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.0	129.8	194.6
98	63.0	51.0	76.6





#13

Acrolein

Concen: 306.552 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 85445

Ion Ratio Lower Upper

56 100

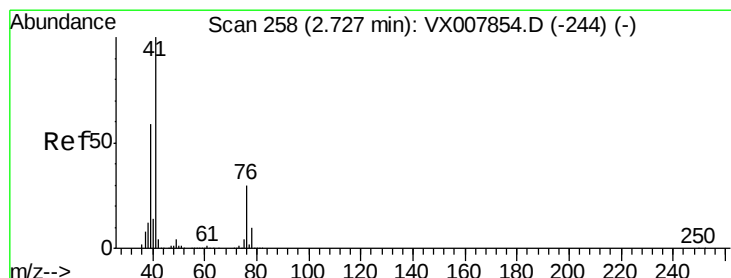
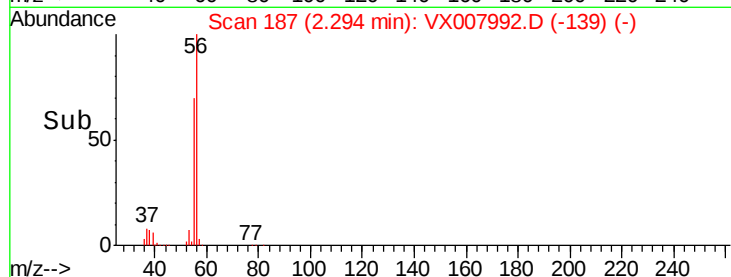
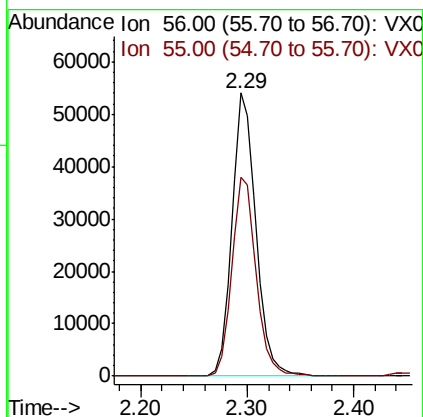
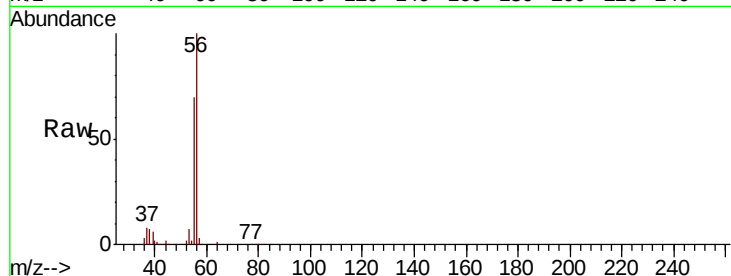
55 71.7 57.8 86.6

Manual Integrations

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#14

Allyl chloride

Concen: 47.007 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

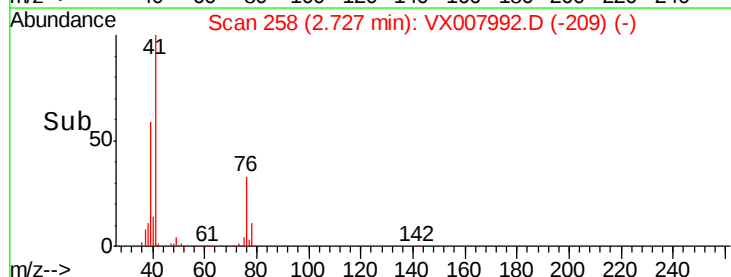
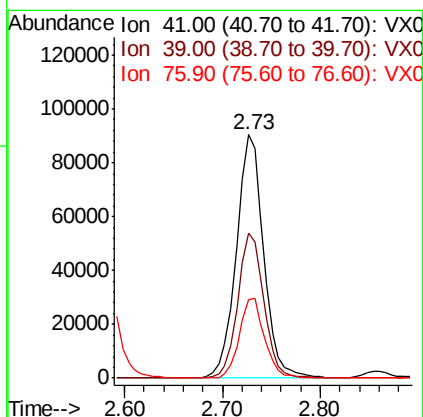
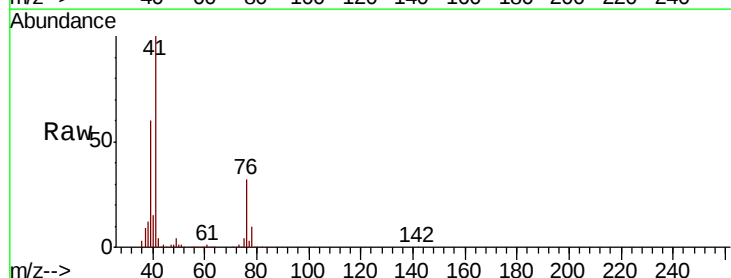
Tgt Ion: 41 Resp: 175256

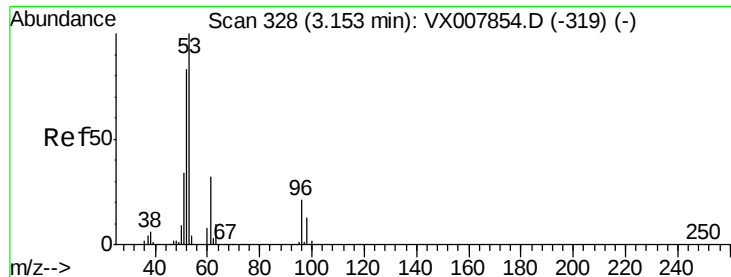
Ion Ratio Lower Upper

41 100

39 56.9 46.1 69.1

76 30.4 24.0 36.0





#15

Acrylonitrile

Concen: 267.064 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

Instrument :

MSVOA_X

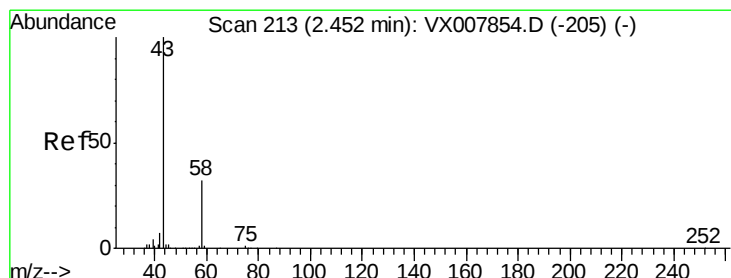
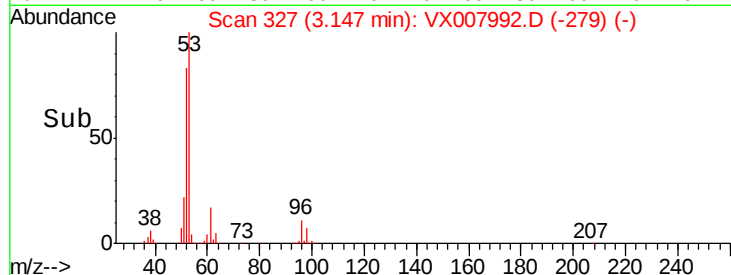
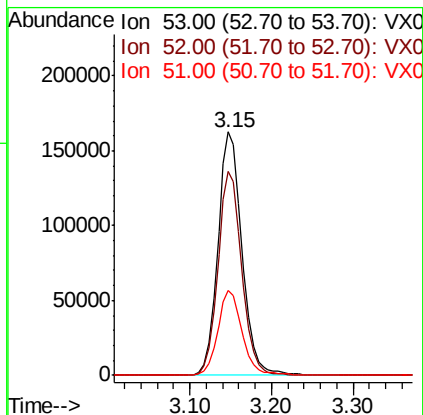
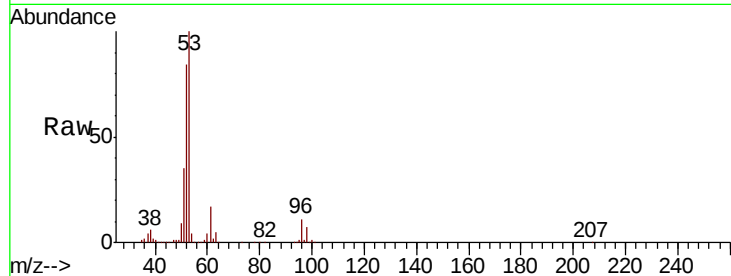
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	331635
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.0	99.0
51	35.1	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 212.881 ug/l

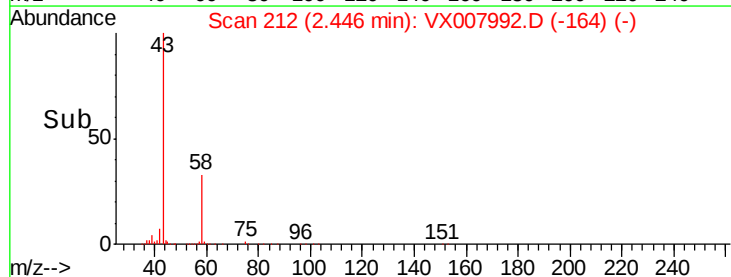
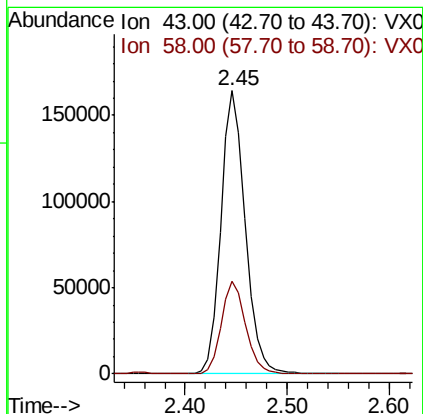
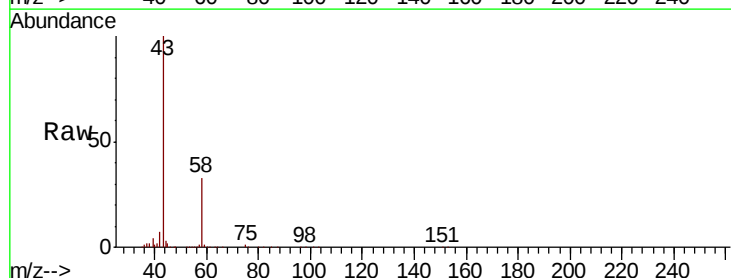
RT: 2.45 min Scan# 212

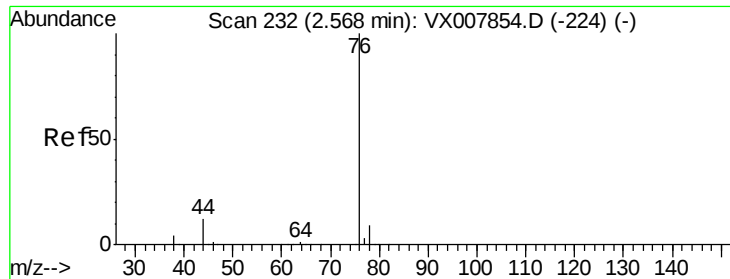
Delta R.T. -0.01 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

Tgt Ion:	43	Resp:	271065
Ion	Ratio	Lower	Upper
43	100		
58	32.6	25.5	38.3





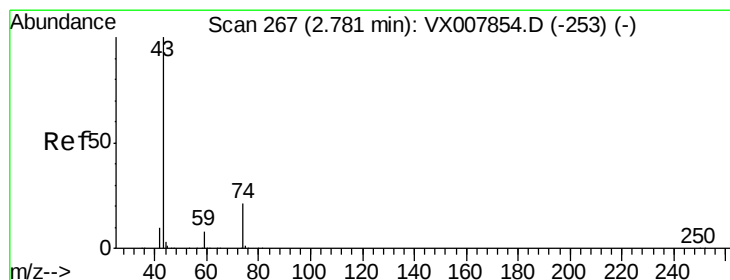
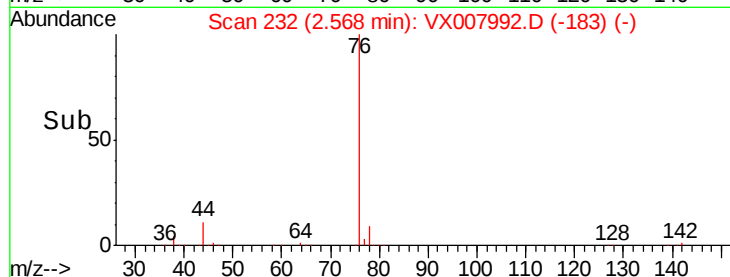
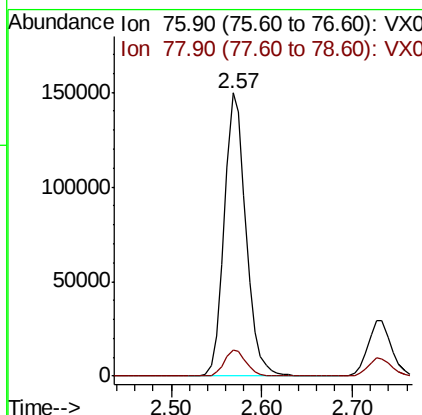
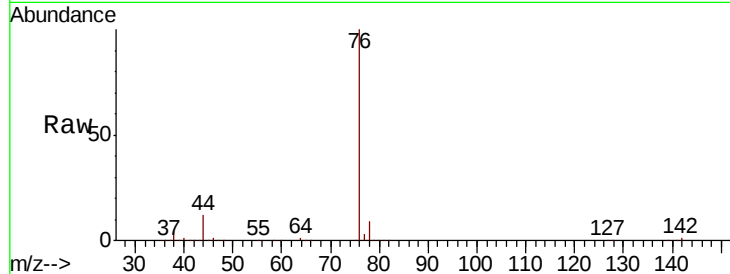
#17
Carbon Disulfide
Concen: 46.105 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 248604
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8

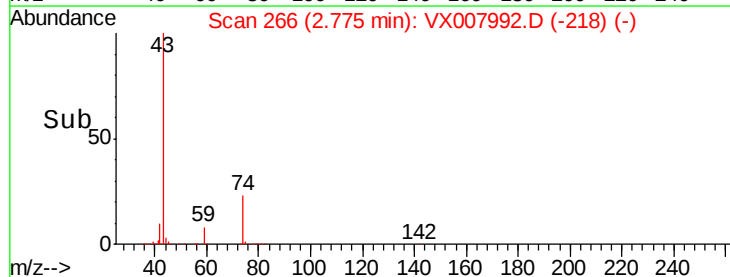
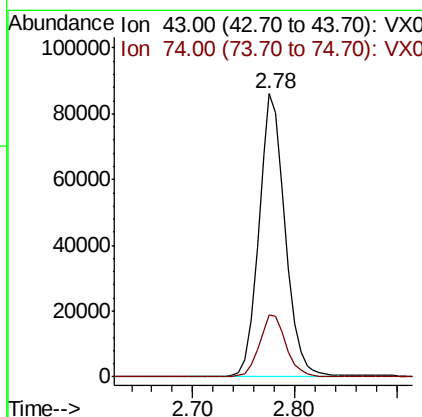
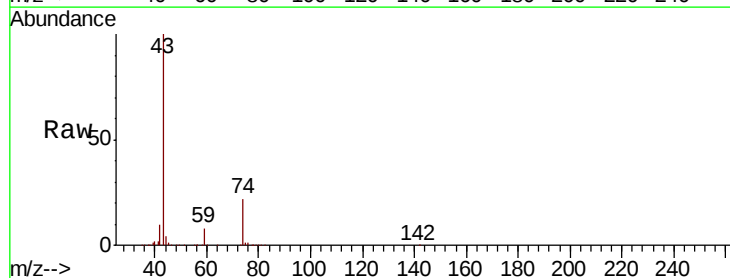
Manual Integrations
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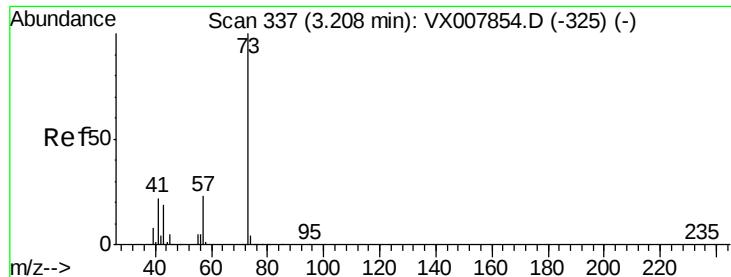
MMDadoda
3/12/2019 3:23:55 PM



#18
Methyl Acetate
Concen: 56.839 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Tgt Ion: 43 Resp: 153755
Ion Ratio Lower Upper
43 100
74 22.7 17.8 26.6





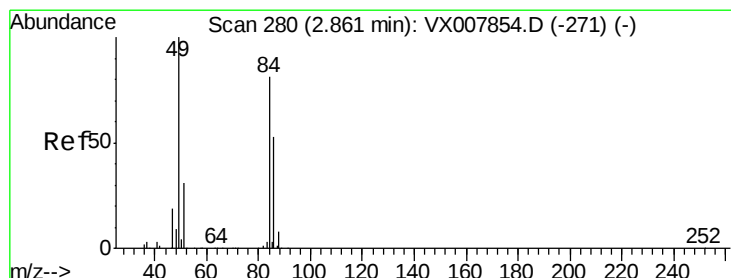
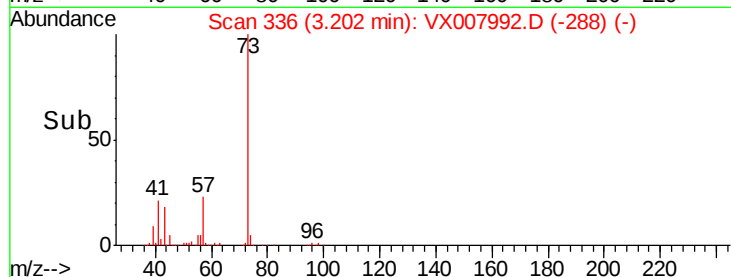
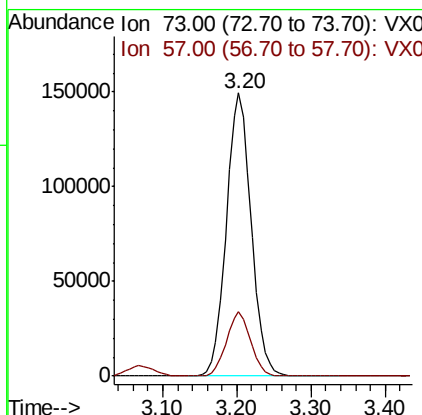
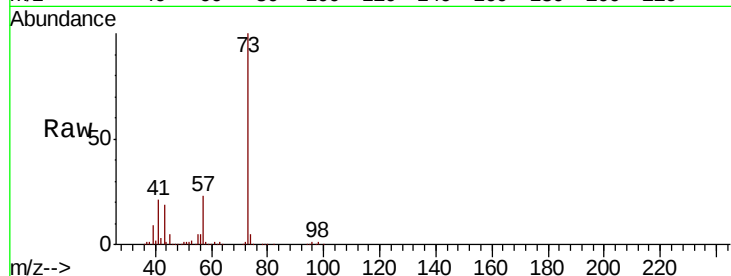
#19
Methyl tert-butyl Ether
Concen: 56.868 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 347117
Ion Ratio Lower Upper
73 100
57 22.8 18.2 27.4

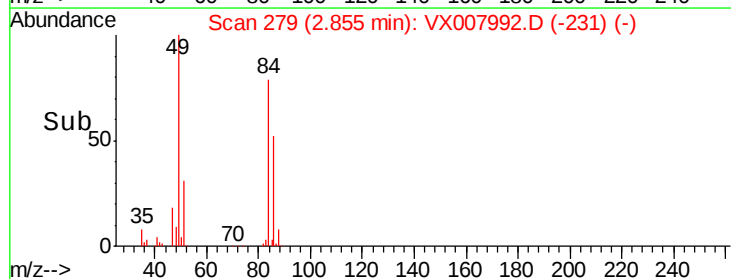
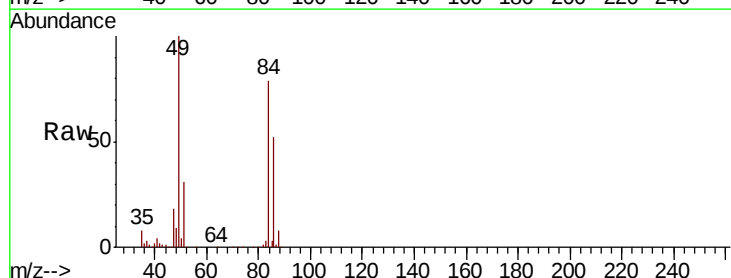
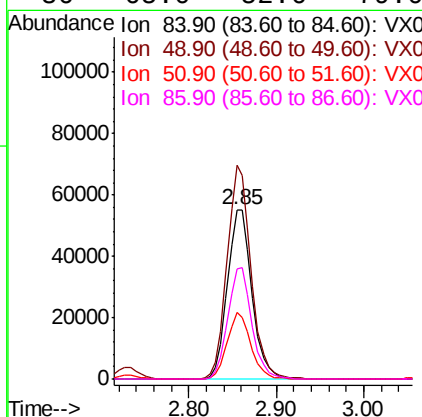
Manual Integrations
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3/12/2019 3:23:55 PM



#20
Methylene Chloride
Concen: 53.089 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Tgt Ion: 84 Resp: 107585
Ion Ratio Lower Upper
84 100
49 126.0 99.3 148.9
51 39.0 31.3 46.9
86 65.0 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 48.481 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

Instrument :

MSVOA_X

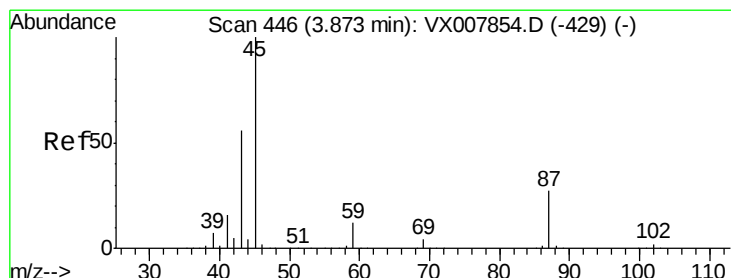
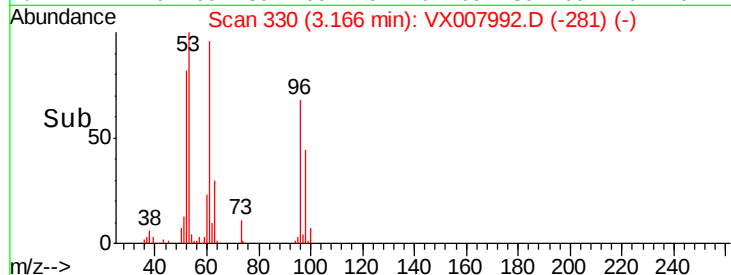
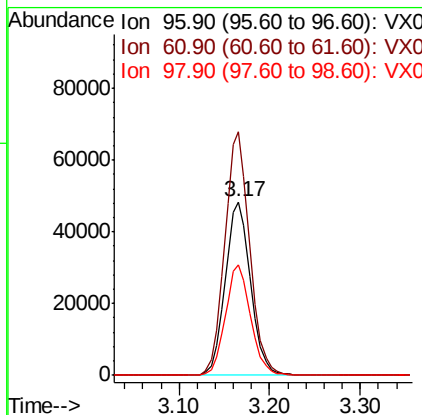
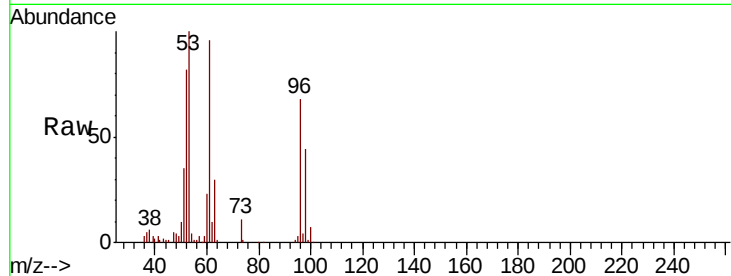
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	94648
Ion Ratio	Lower	Upper	
96	100		
61	140.3	114.4	171.6
98	63.9	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.049 ug/l

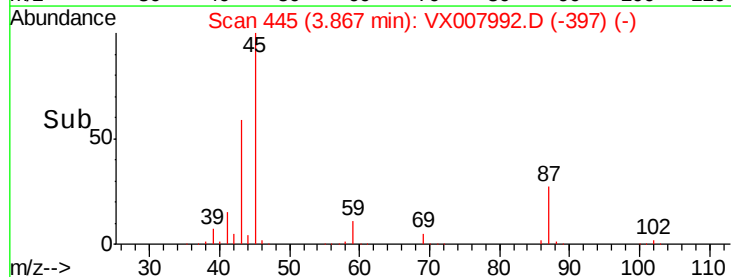
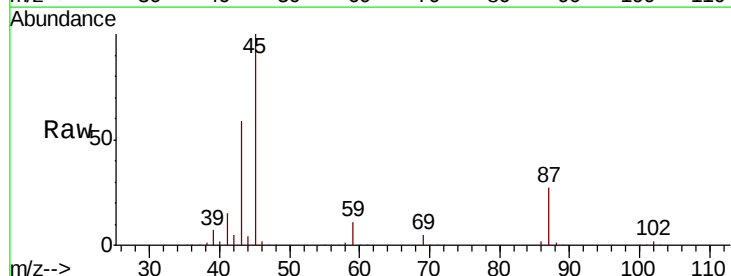
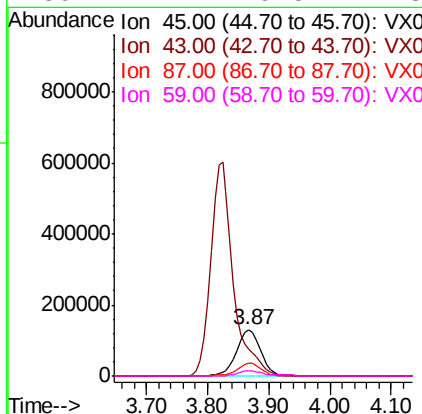
RT: 3.87 min Scan# 445

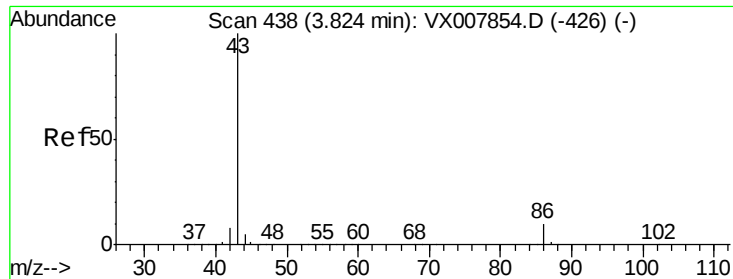
Delta R.T. -0.01 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

Tgt Ion:	45	Resp:	355723
Ion Ratio	Lower	Upper	
45	100		
43	58.7	45.3	67.9
87	27.5	21.4	32.0
59	11.1	9.5	14.3





#23

Vinyl Acetate

Concen: 260.960 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1563998

Ion Ratio Lower Upper

43 100

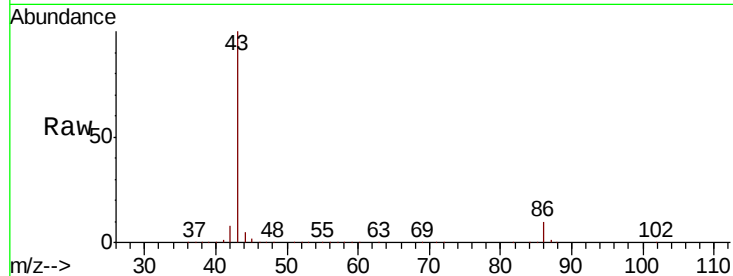
86 10.5 7.9 11.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

600000

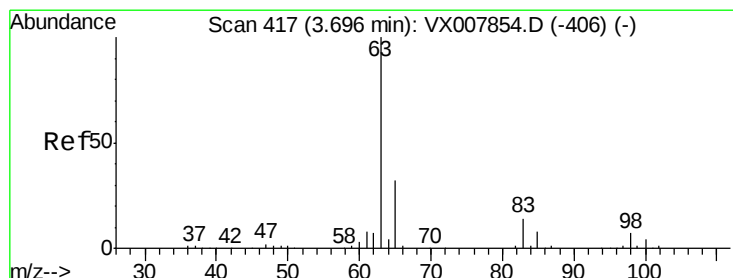
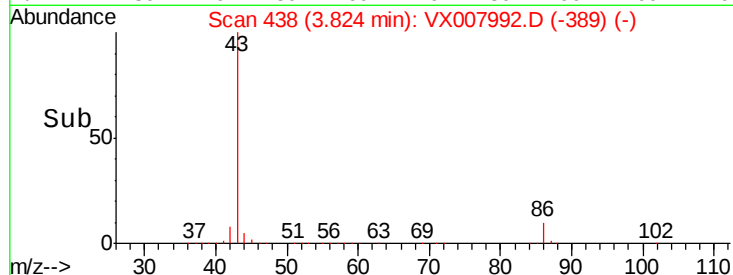
400000

200000

0

3.80 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 51.077 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

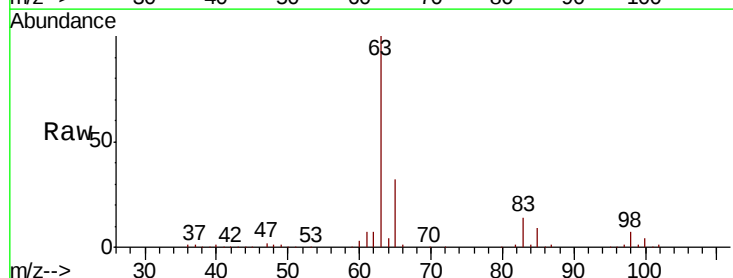
Tgt Ion: 63 Resp: 187858

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

100 4.2 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

3.70

100000

80000

60000

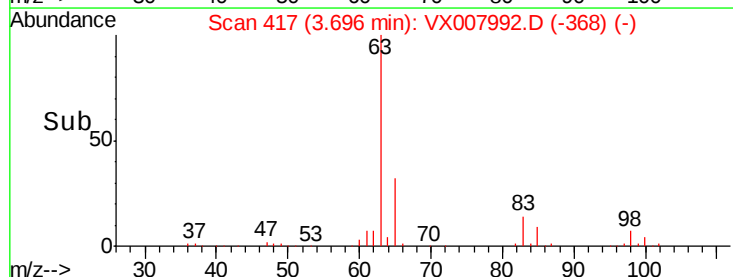
40000

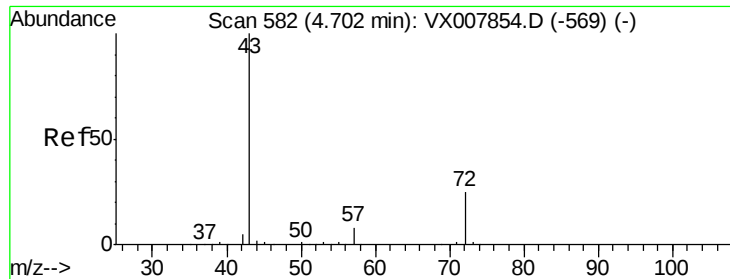
20000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 246.785 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 444876

Ion Ratio Lower Upper

43 100

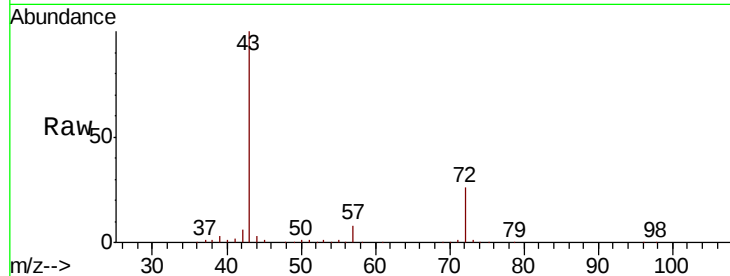
72 26.2 19.9 29.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

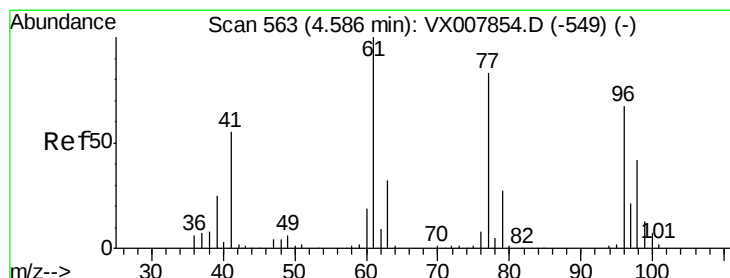
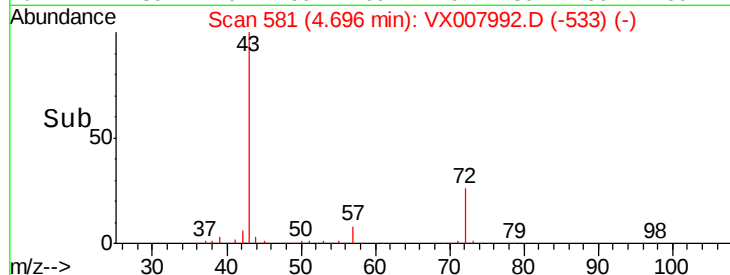
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 37.633 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX007992.D

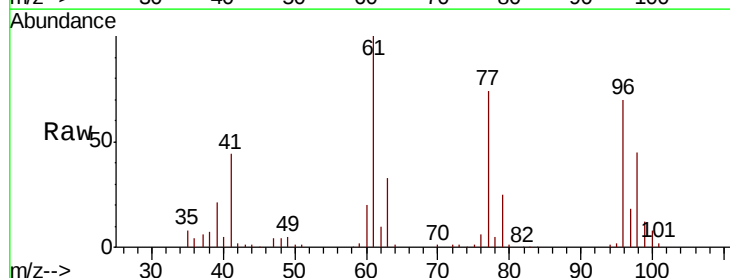
Acq: 12 Mar 2019 03:11

Tgt Ion: 77 Resp: 91699

Ion Ratio Lower Upper

77 100

97 26.1 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

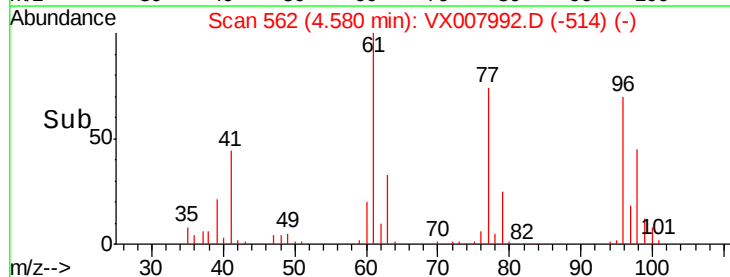
20000

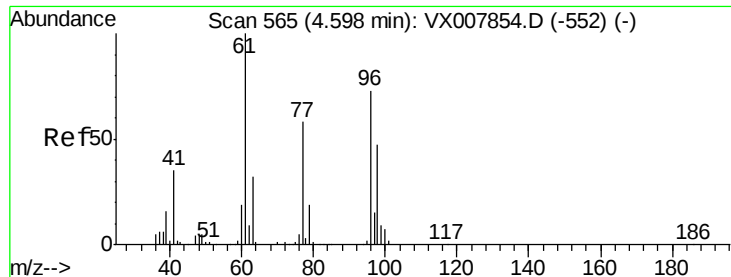
10000

0

4.50 4.60 4.70

Time-->





#27

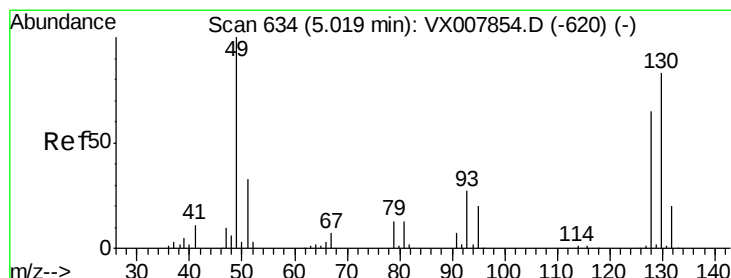
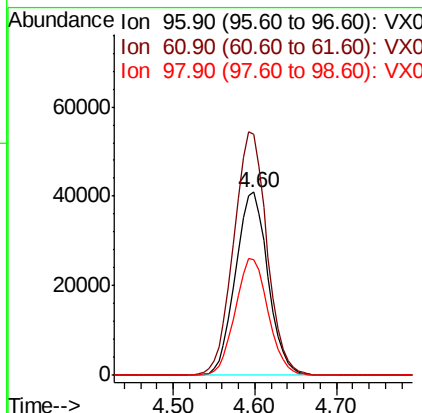
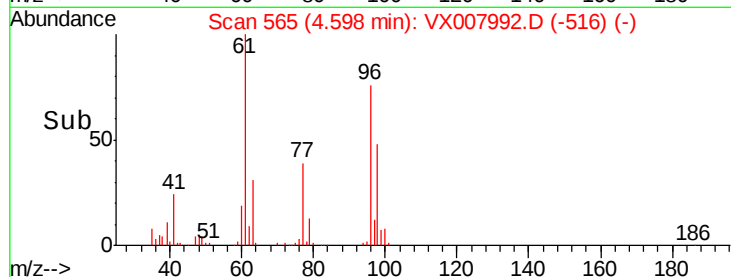
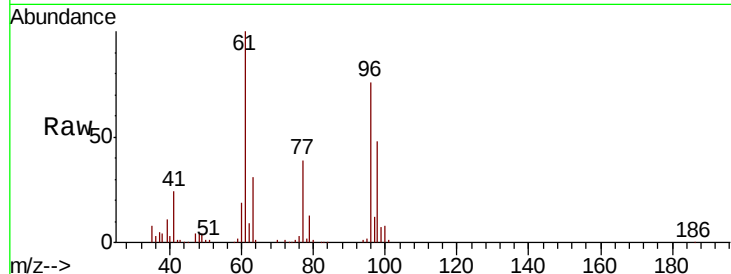
cis-1,2-Dichloroethene
 Concen: 50.789 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX007992.D
 Acq: 12 Mar 2019 03:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	113462		
61	136.0	0.0	288.0	
98	64.7	0.0	129.0	

Manual Integrations
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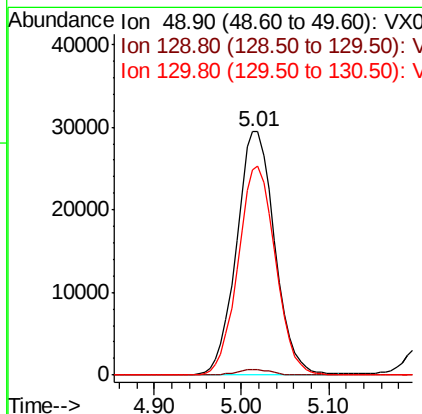
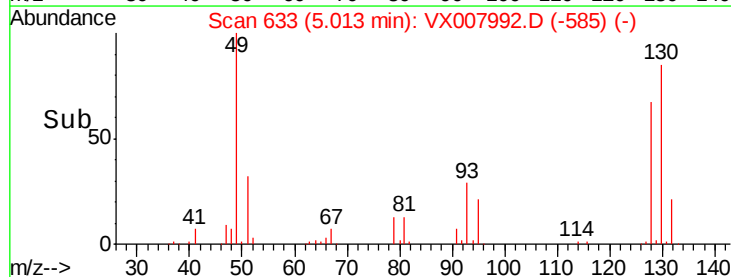
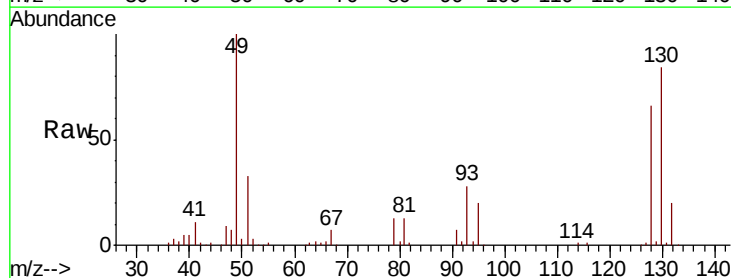
MMDadoda
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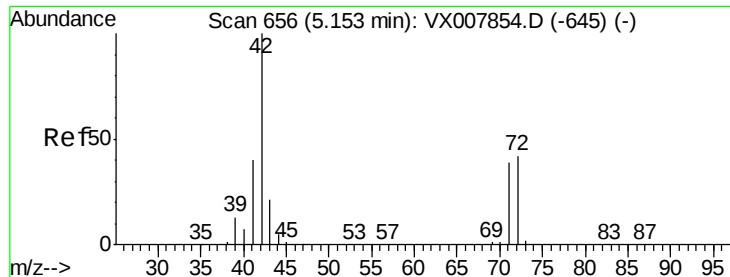


#28

Bromochloromethane
 Concen: 52.202 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX007992.D
 Acq: 12 Mar 2019 03:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	89510		
129	2.2	0.0	4.0	
130	84.1	65.0	97.4	





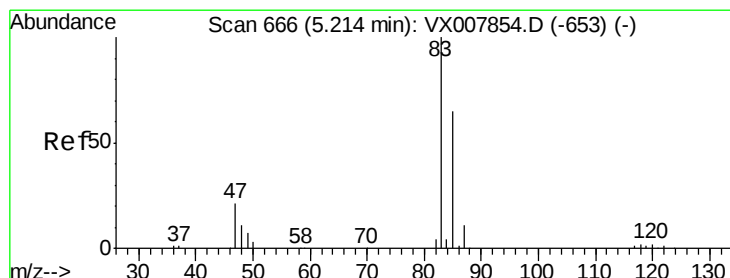
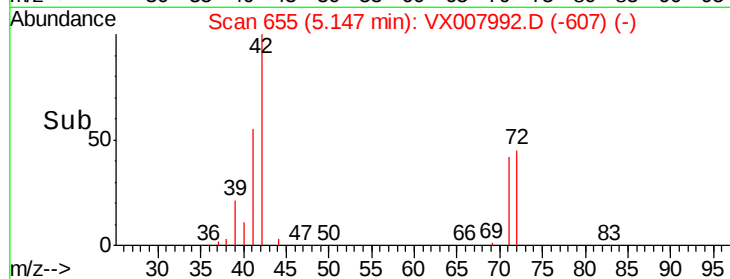
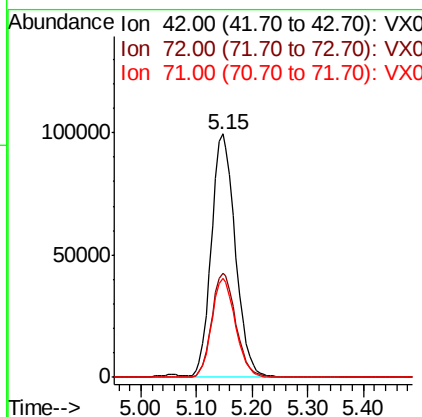
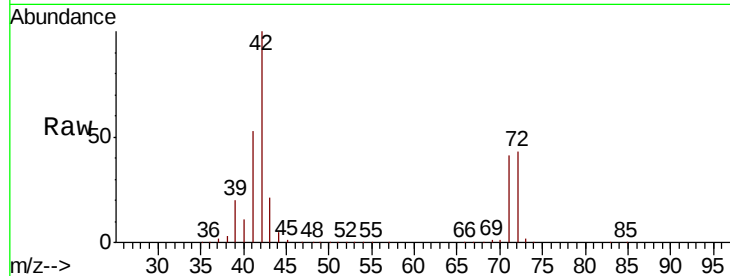
#29
Tetrahydrofuran
Concen: 264.867 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.2	33.8	50.6
71	40.3	31.5	47.3

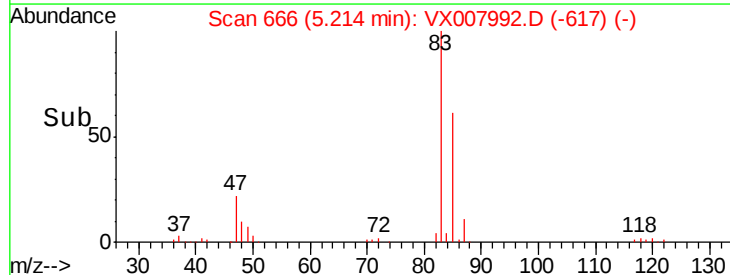
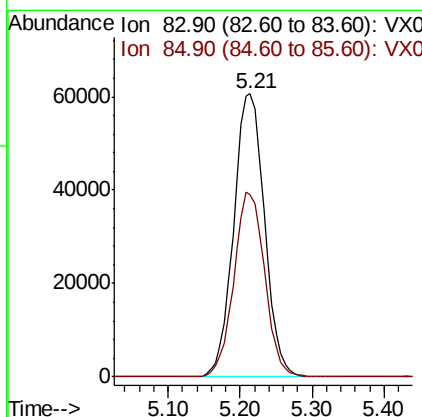
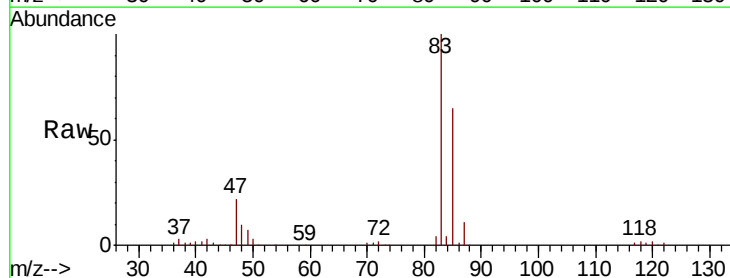
Manual Integrations
APPROVED

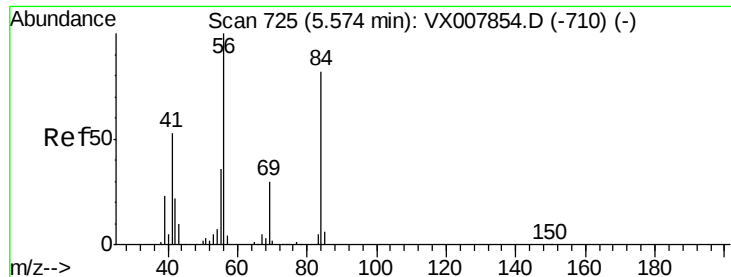
MMDadoda
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#30
Chloroform
Concen: 51.792 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.6





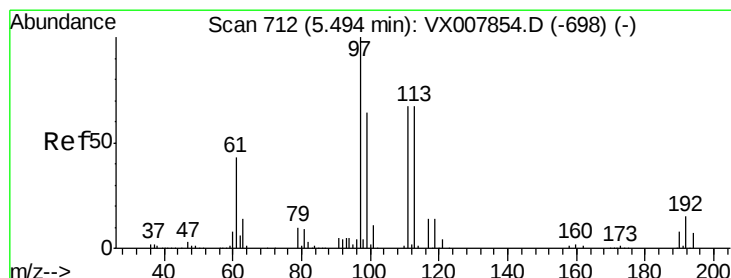
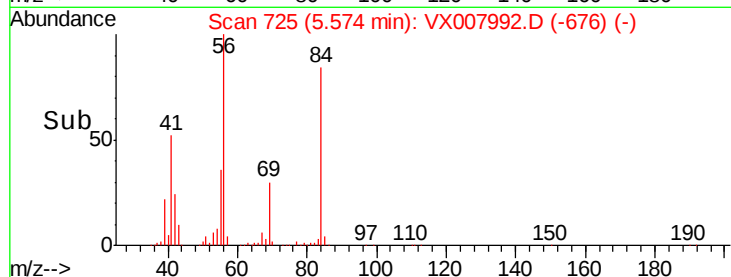
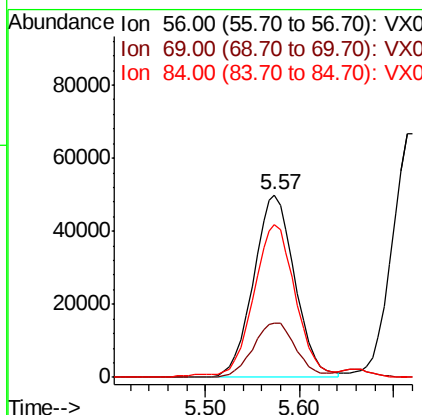
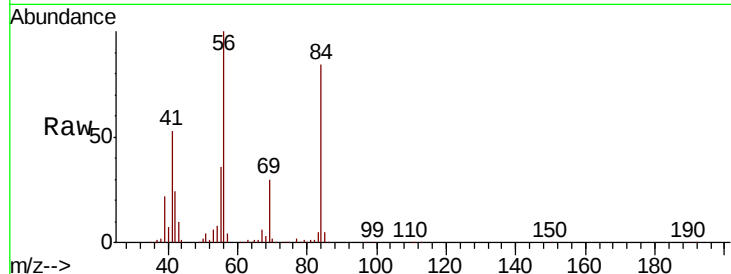
#31
Cyclohexane
Concen: 45.212 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.0	36.0
84	82.9	65.3	97.9

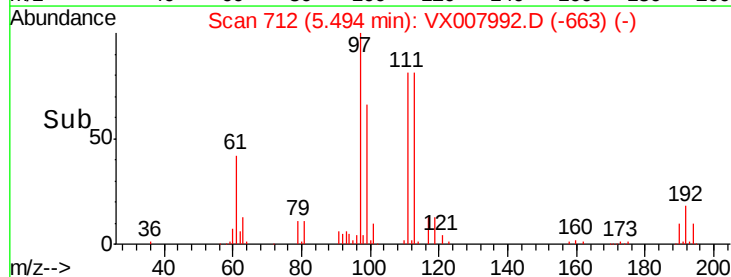
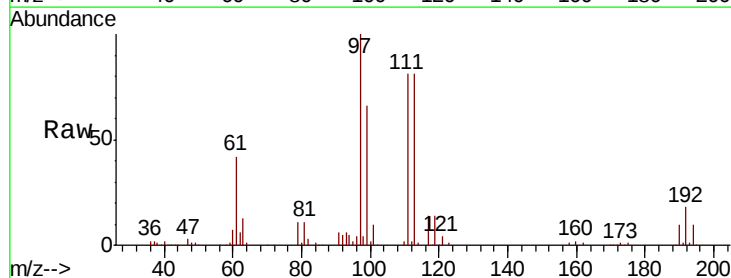
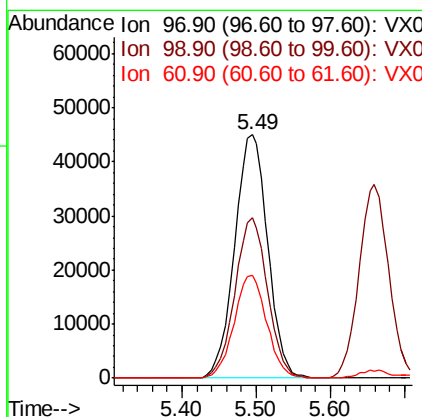
Manual Integrations
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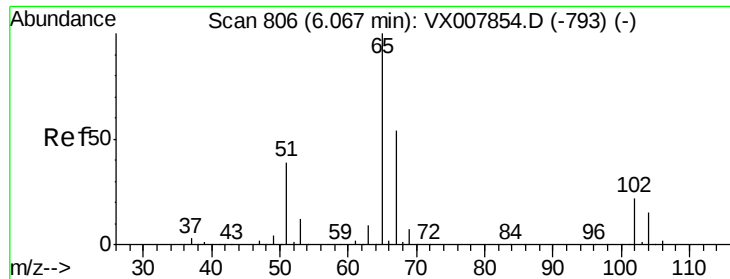
MMDadoda
3/12/2019 3:23:55 PM



#32
1,1,1-Trichloroethane
Concen: 48.508 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.2	78.2
61	42.0	34.9	52.3





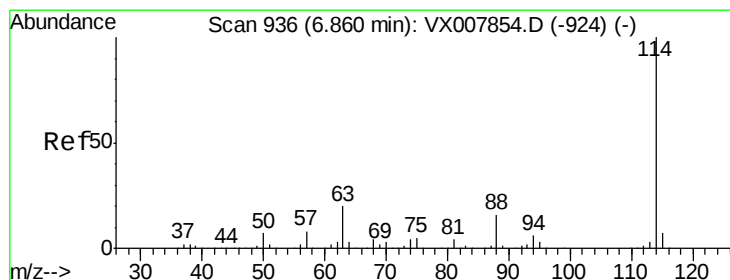
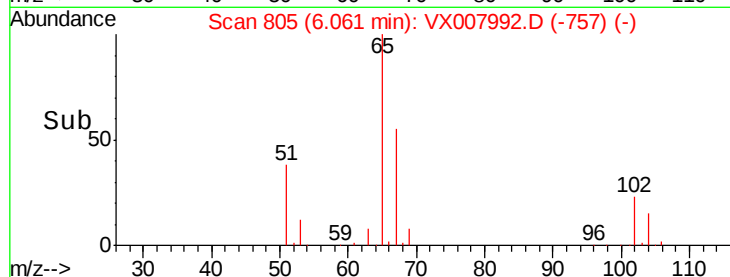
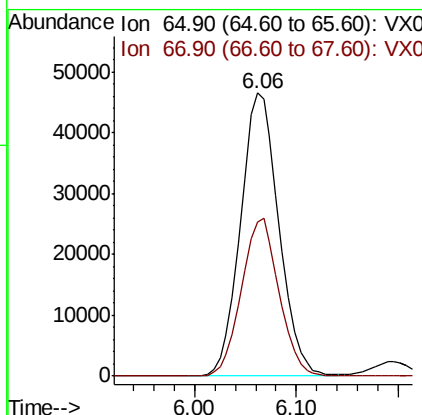
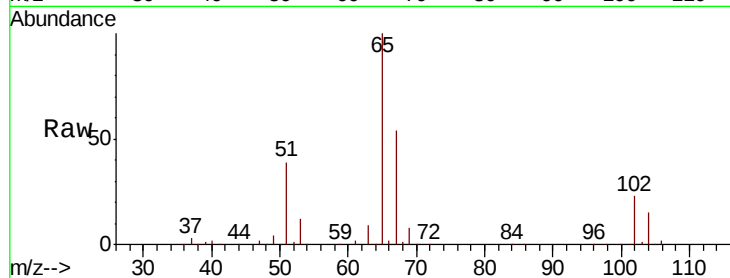
#33
 1,2-Dichloroethane-d4
 Concen: 55.087 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX007992.D
 Acq: 12 Mar 2019 03:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 121185
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.0

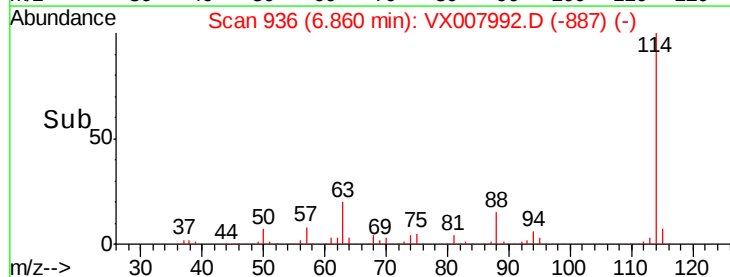
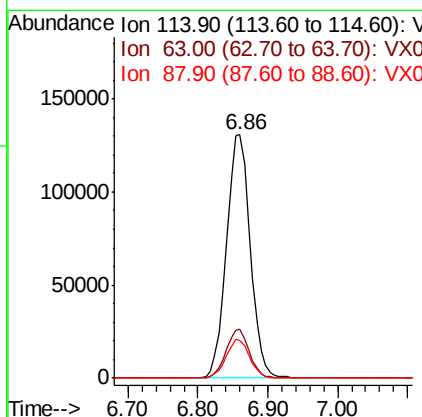
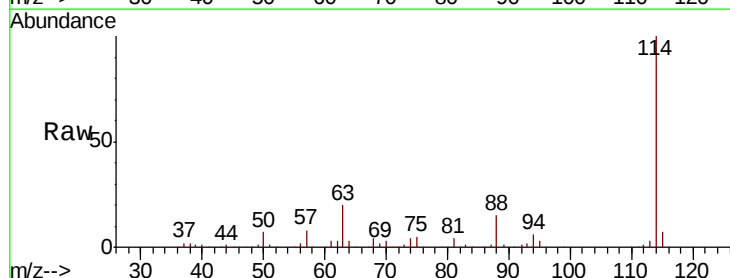
Manual Integrations
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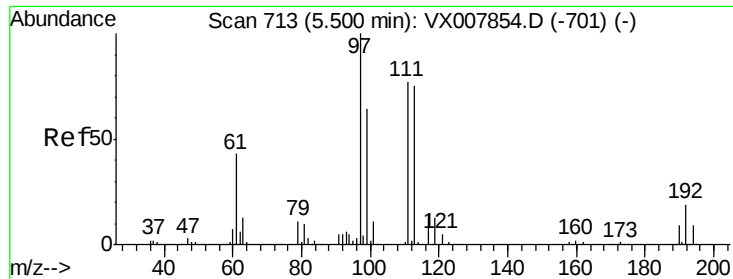
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007992.D
 Acq: 12 Mar 2019 03:11

Tgt Ion: 114 Resp: 309957
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.5 0.0 31.4





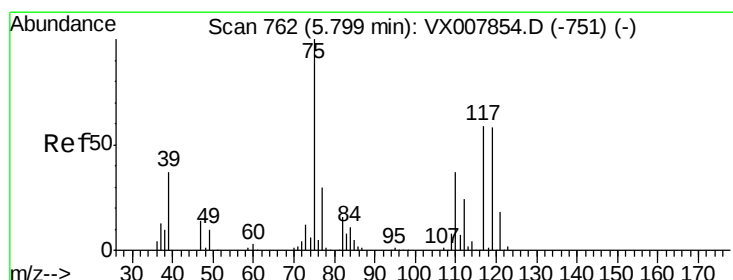
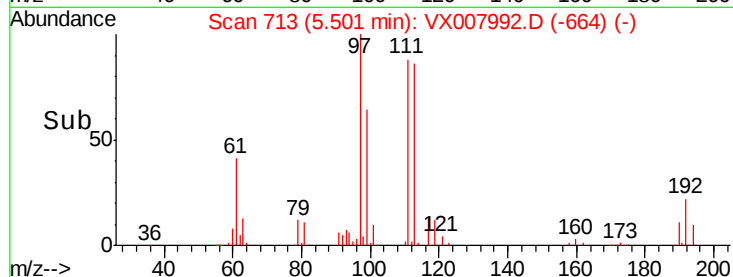
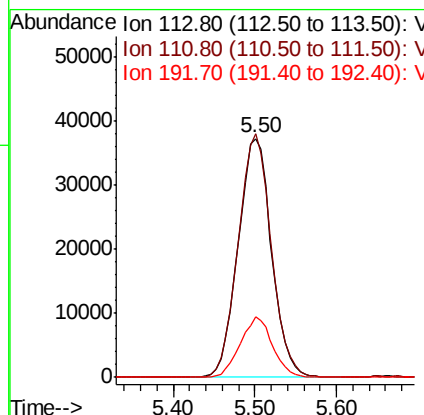
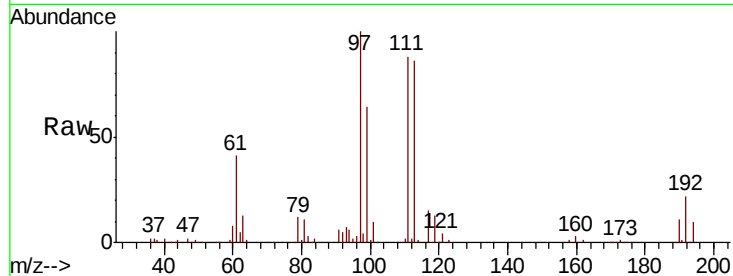
#35
 Dibromofluoromethane
 Concen: 53.492 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX007992.D
 Acq: 12 Mar 2019 03:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	106058		
111	100.8	81.4	122.0	
192	24.5	19.4	29.0	

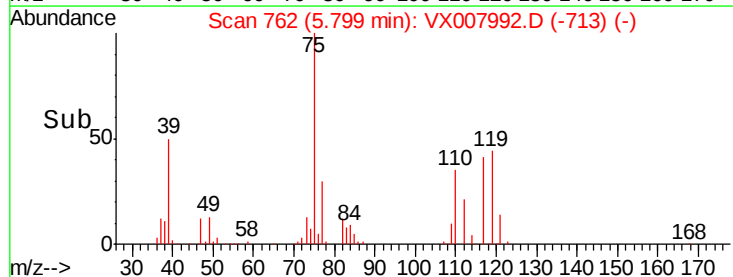
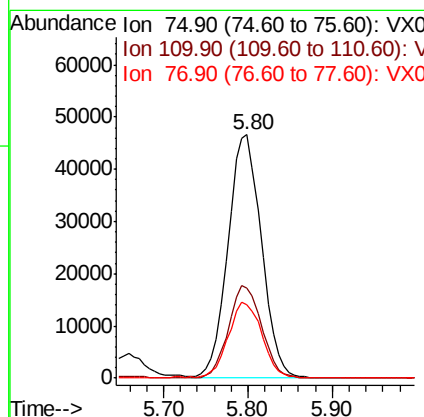
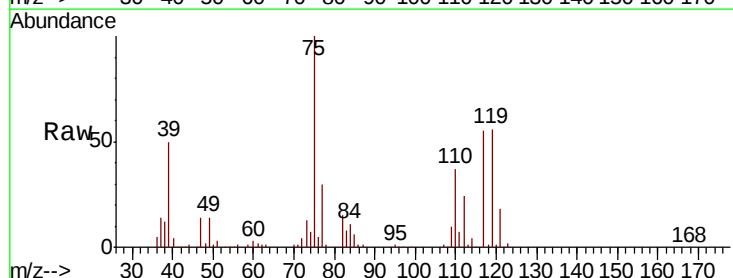
Manual Integrations
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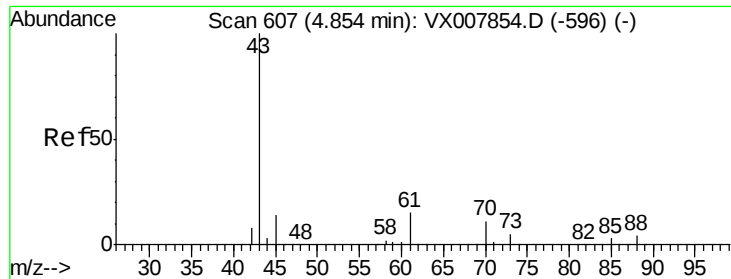
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 3/12/2019 3:23:55 PM



#36
 1,1-Dichloropropene
 Concen: 44.711 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX007992.D
 Acq: 12 Mar 2019 03:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	125486		
110	37.7	18.4	55.0	
77	31.3	25.0	37.4	





#37

Ethyl Acetate

Concen: 50.746 ug/l

RT: 4.85 min Scan# 606

Delta R.T. -0.01 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

Instrument :

MSVOA_X

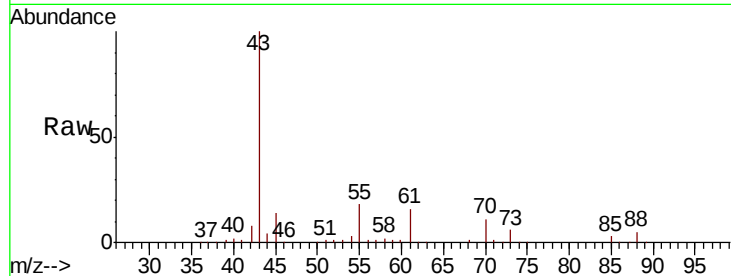
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	169014
Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.3	16.9
70	11.0	8.5	12.7

Manual Integrations
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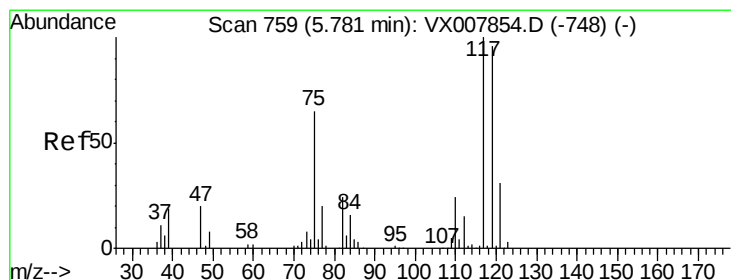
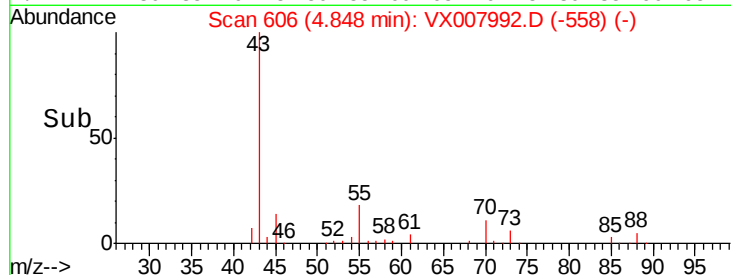
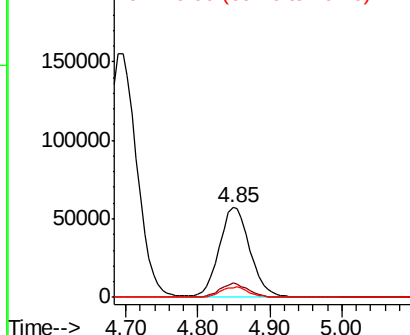


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 45.740 ug/l

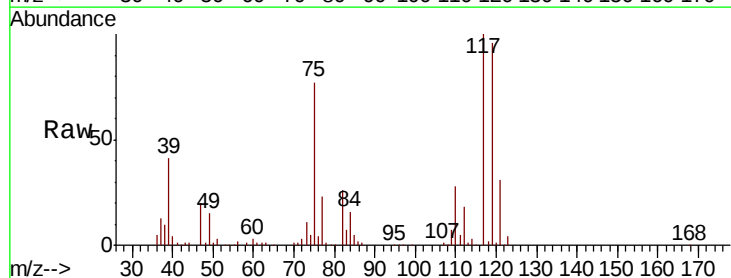
RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

Tgt Ion:	117	Resp:	121874
Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.2	114.2
121	30.7	24.6	36.8

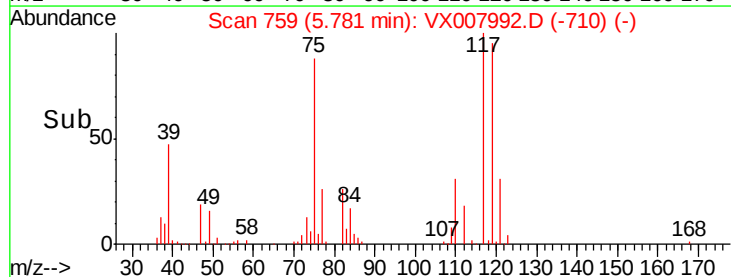
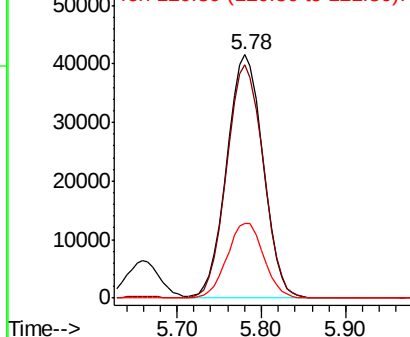


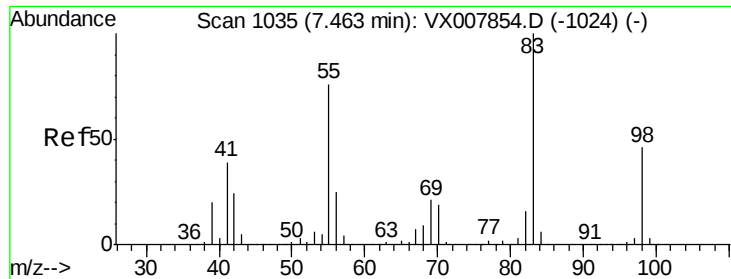
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





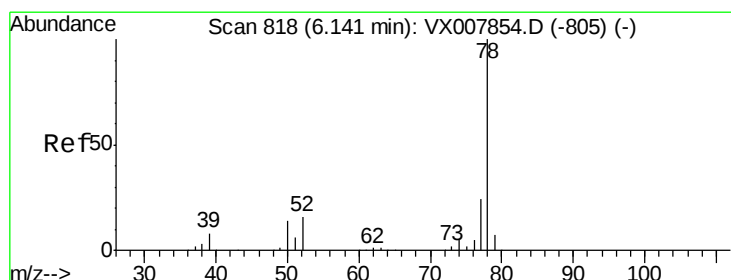
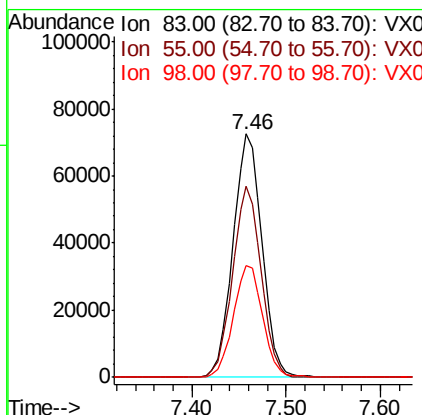
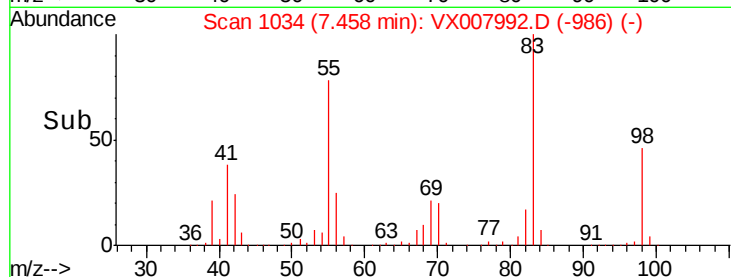
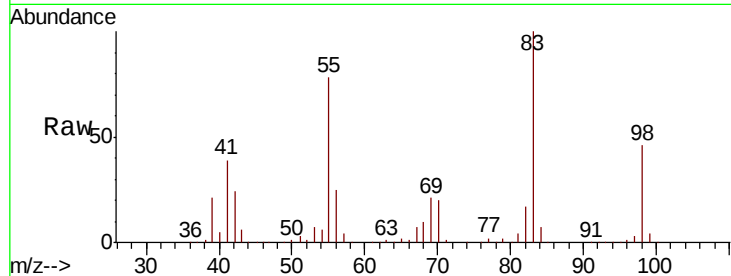
#39
Methylcyclohexane
Concen: 45.625 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	155163		
55	78.5	60.4	90.6	
98	46.0	36.5	54.7	

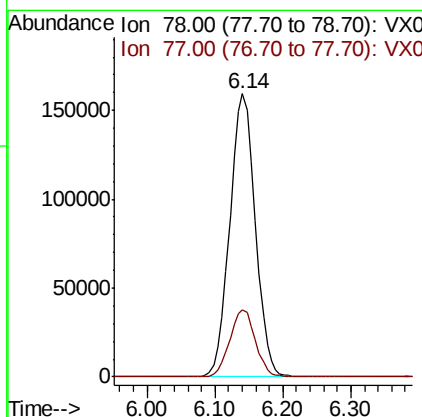
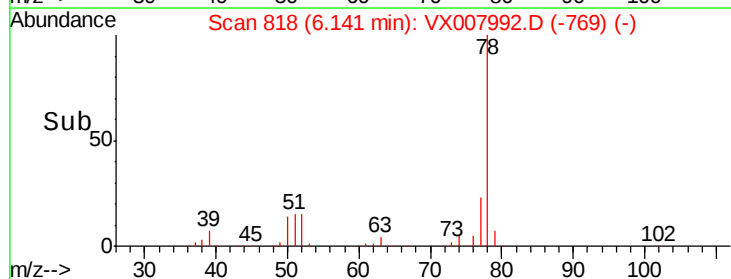
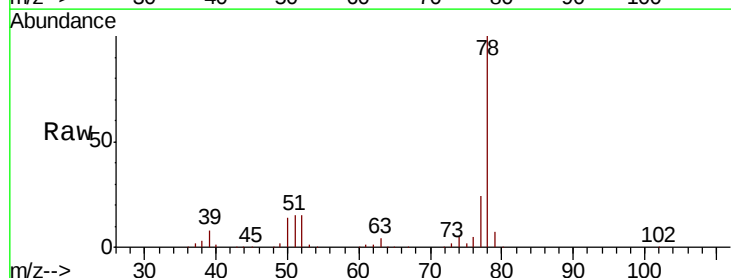
Manual Integrations
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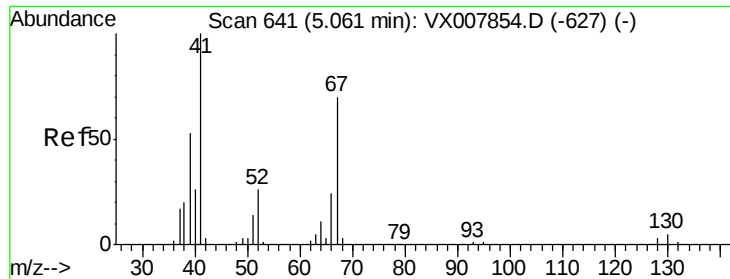
MMDadoda
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#40
Benzene
Concen: 49.689 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	415175		
77	23.6	19.0	28.4	





#41

Methacrylonitrile

Concen: 52.766 ug/l

RT: 5.05 min Scan# 639

Delta R.T. -0.01 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

Instrument :

MSVOA_X

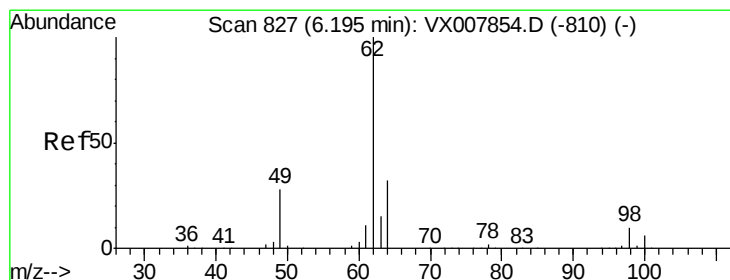
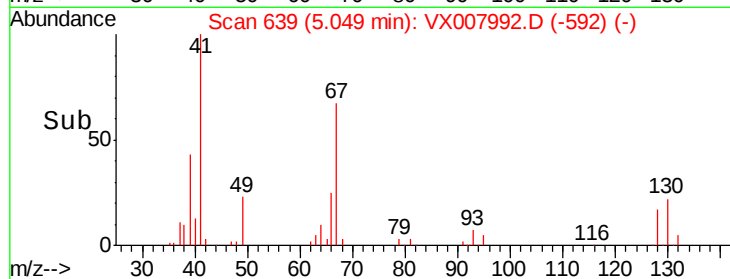
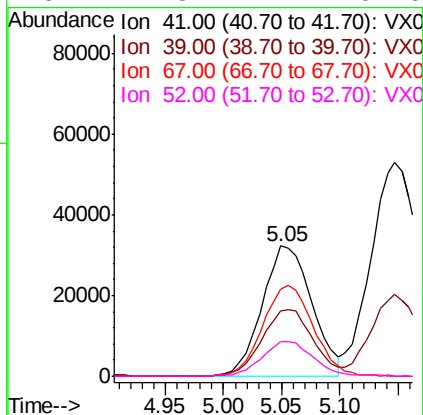
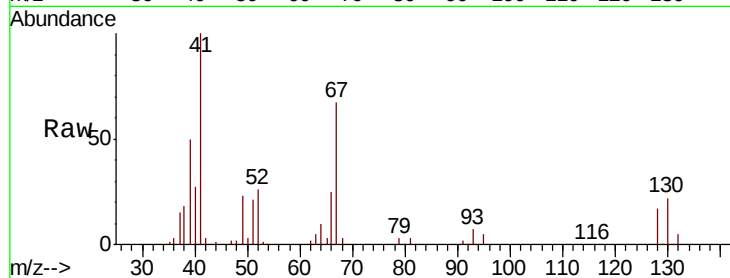
ClientSampleId :

VSTDCCC050

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.9	41.6	62.4	
67	70.9	55.8	83.6	
52	27.3	21.7	32.5	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 51.788 ug/l

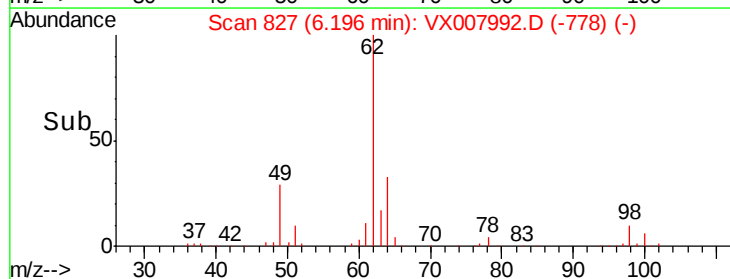
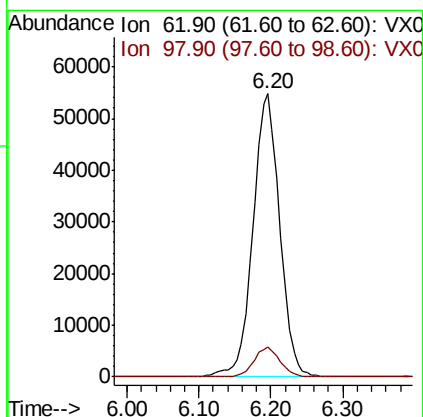
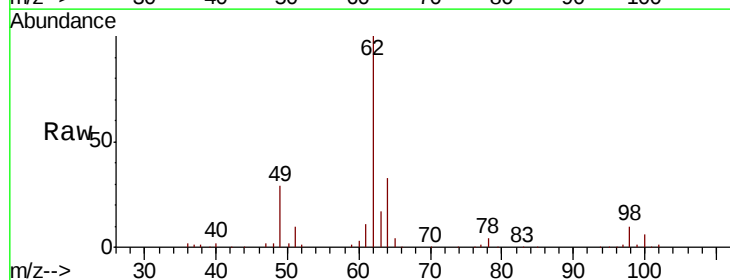
RT: 6.20 min Scan# 827

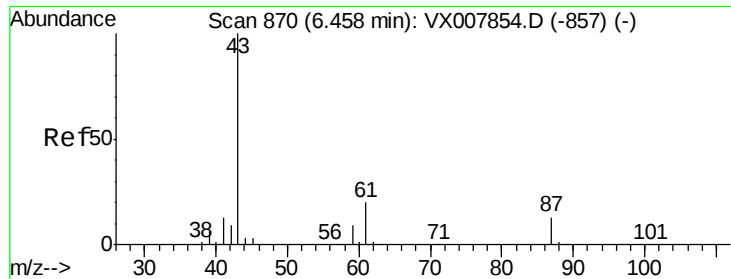
Delta R.T. 0.00 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

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





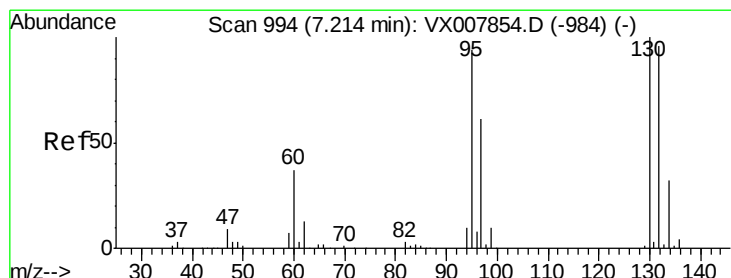
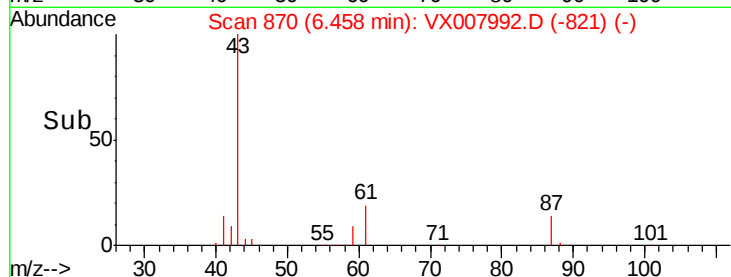
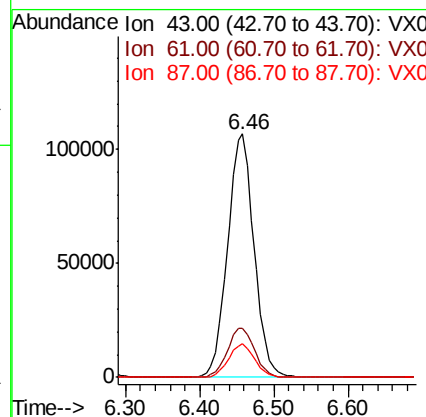
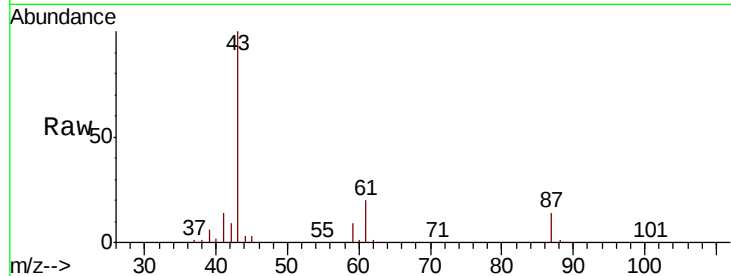
#43
Isopropyl Acetate
Concen: 53.514 ug/l
RT: 6.46 min Scan# 870
Delta R.T. 0.00 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.3	24.5
87	13.6	10.5	15.7

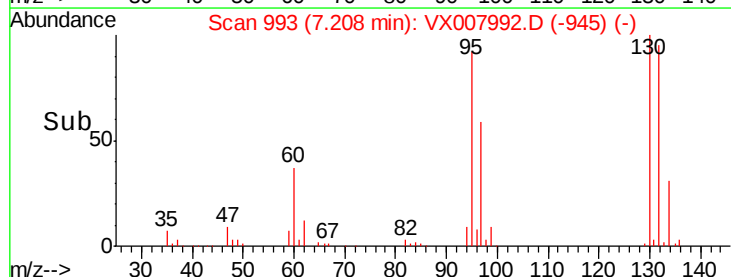
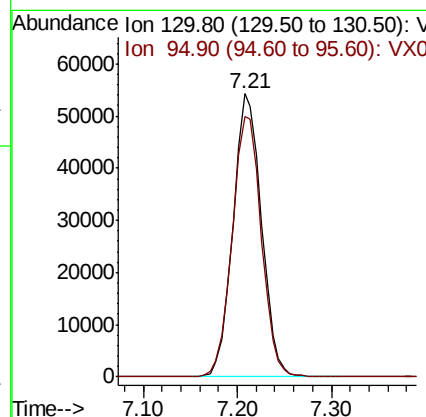
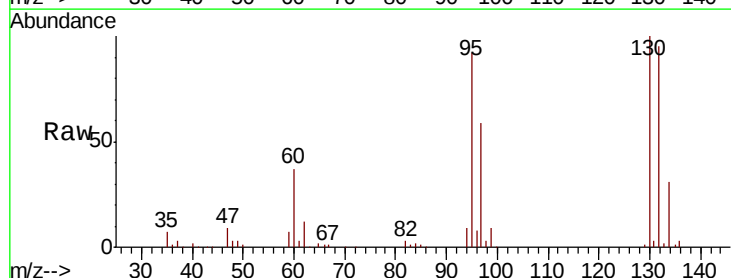
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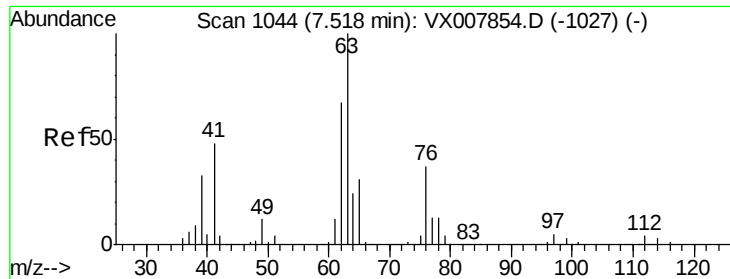
MMDadoda
3/12/2019 3:23:55 PM



#44
Trichloroethene
Concen: 49.426 ug/l
RT: 7.21 min Scan# 993
Delta R.T. -0.01 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	188.0





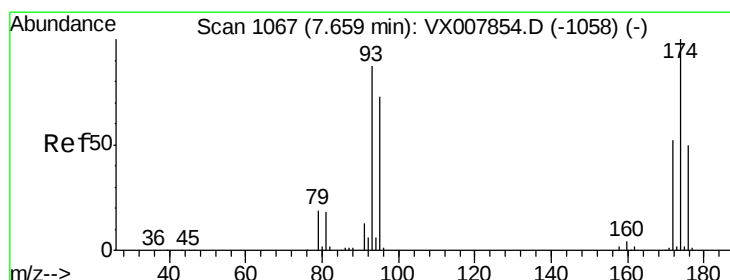
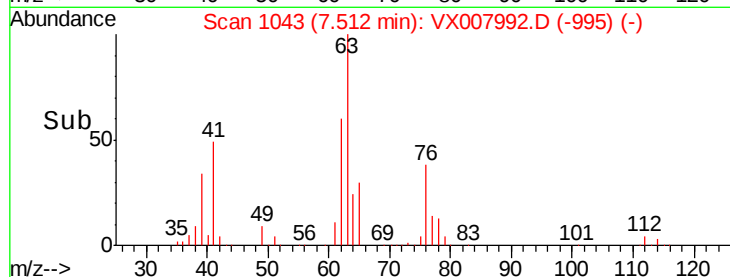
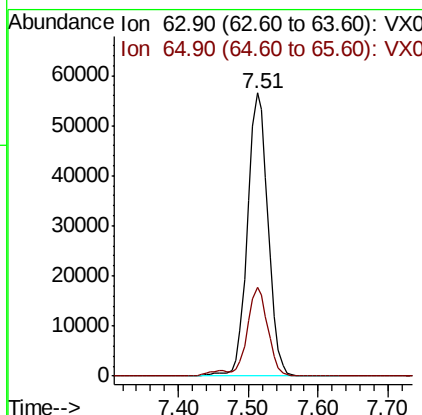
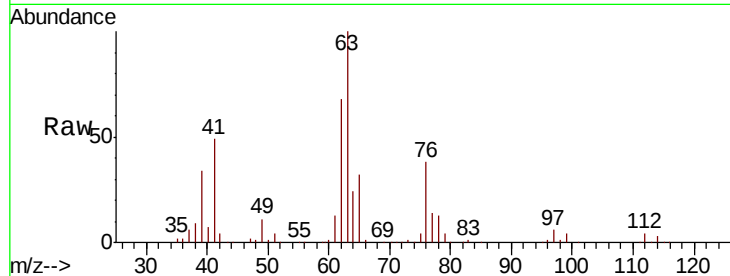
#45
 1,2-Dichloropropane
 Concen: 52.280 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX007992.D
 Acq: 12 Mar 2019 03:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 115373
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.7 37.1

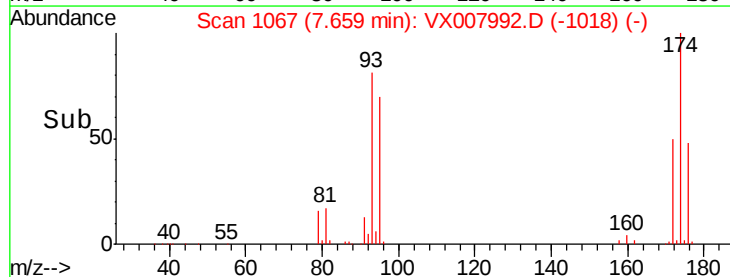
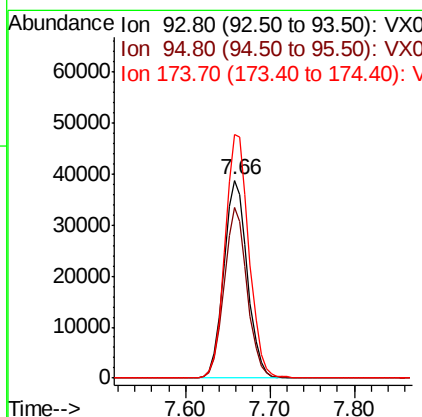
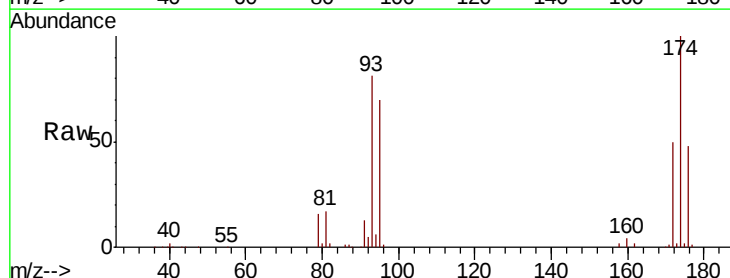
Manual Integrations
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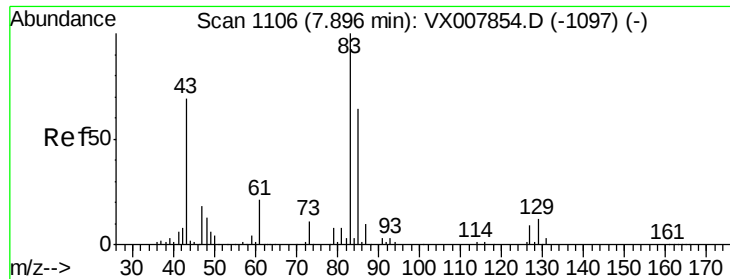
MMDadoda
 3/12/2019 3:23:55 PM



#46
 Dibromomethane
 Concen: 53.255 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX007992.D
 Acq: 12 Mar 2019 03:11

Tgt Ion: 93 Resp: 74375
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.8 100.2
 174 124.4 97.3 145.9





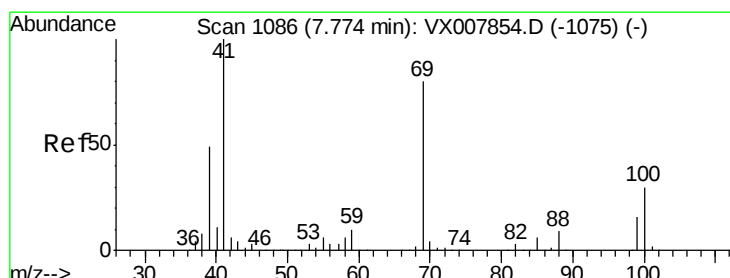
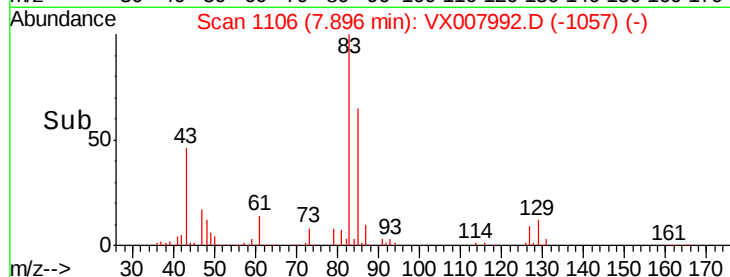
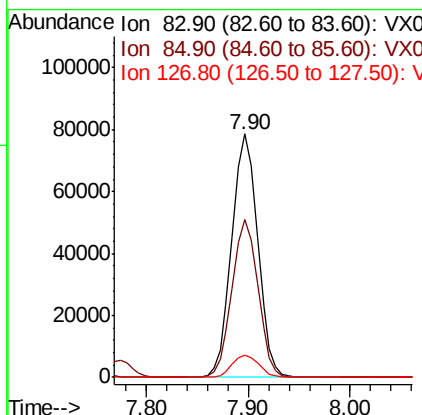
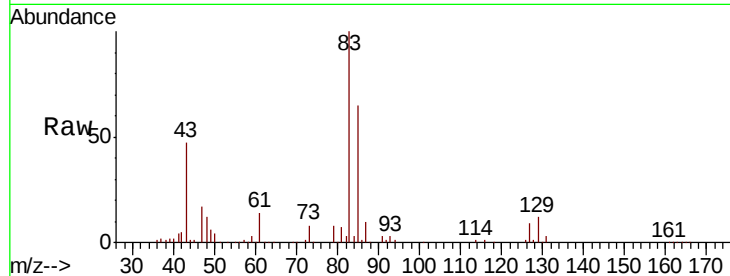
#47
Bromodichloromethane
Concen: 52.395 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.9	76.3
127	9.2	7.4	11.0

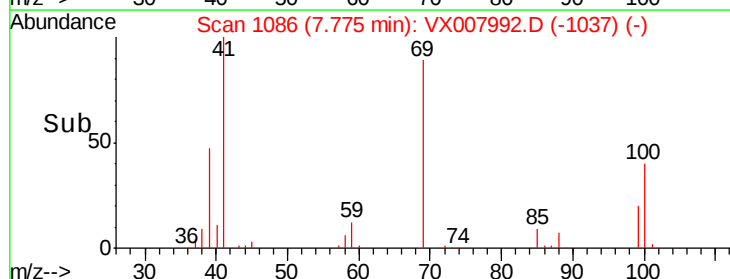
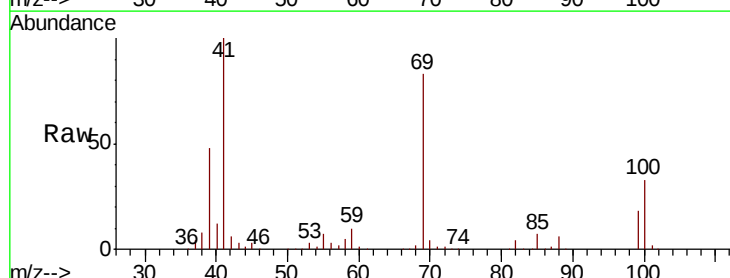
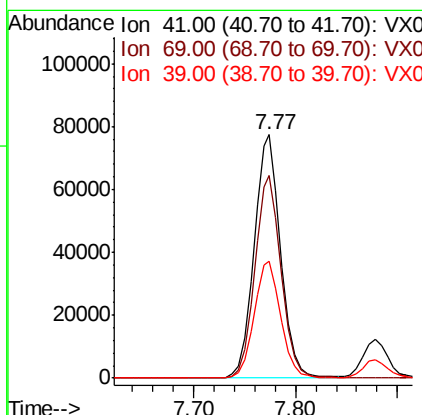
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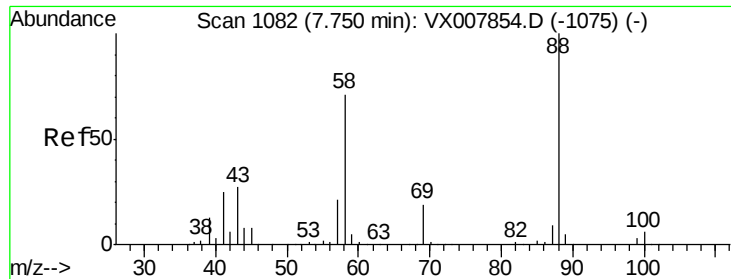
MMDadoda
3/12/2019 3:23:55 PM



#48
Methyl methacrylate
Concen: 53.742 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Tgt Ion	Ratio	Lower	Upper
41	100		
69	83.5	65.2	97.8
39	48.6	39.4	59.2





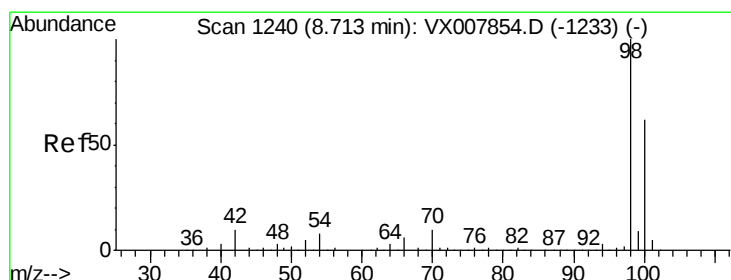
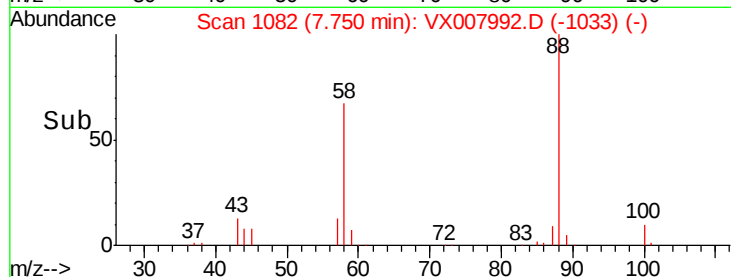
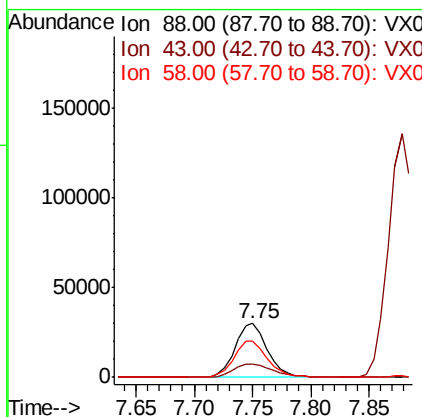
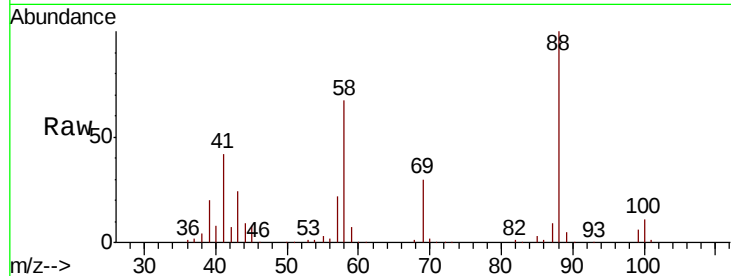
#49
1,4-Dioxane
Concen: 1084.476 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.8	25.1	37.7
58	70.8	57.8	86.6

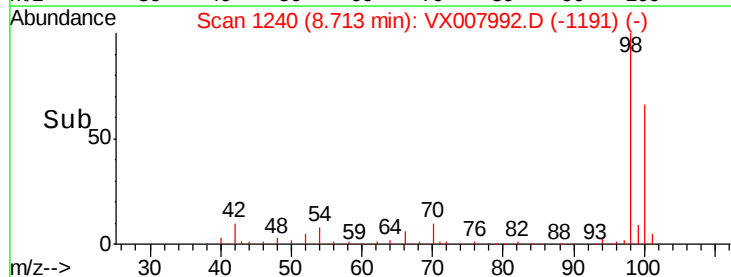
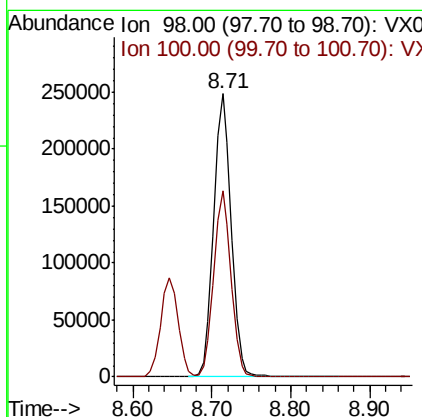
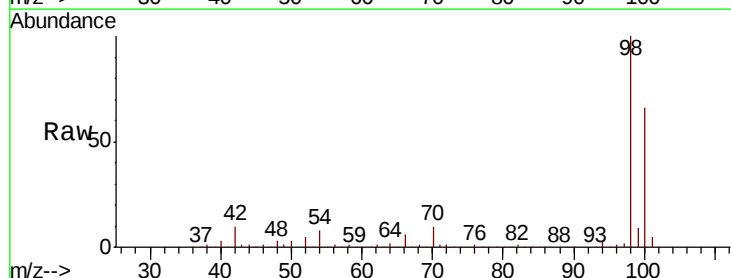
Manual Integrations
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#50
Toluene-d8
Concen: 52.964 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 266.945 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 846200

Ion Ratio Lower Upper

43 100

58 39.8

31.3

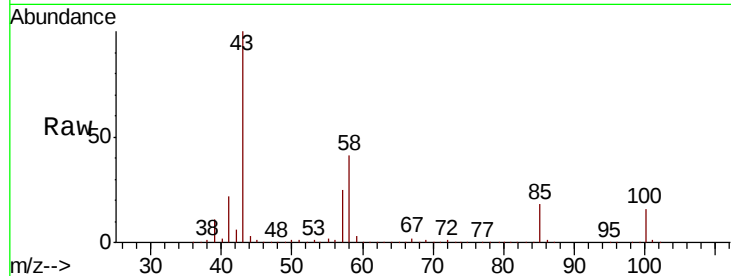
46.9

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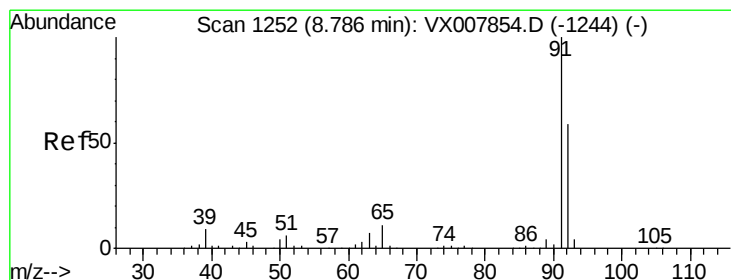
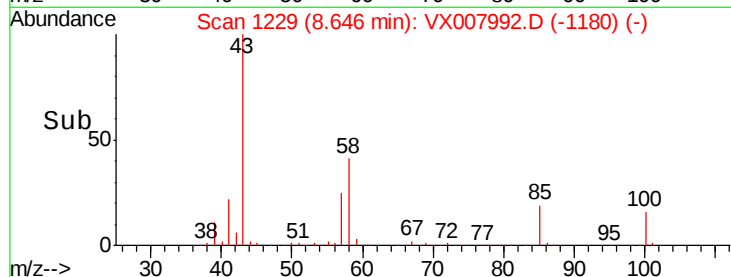
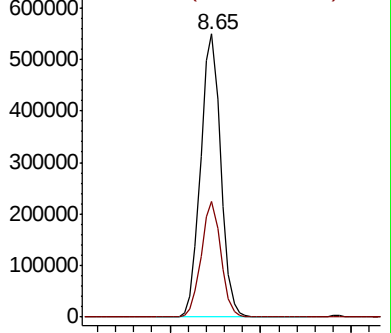
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 51.112 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

Tgt Ion: 92 Resp: 260729

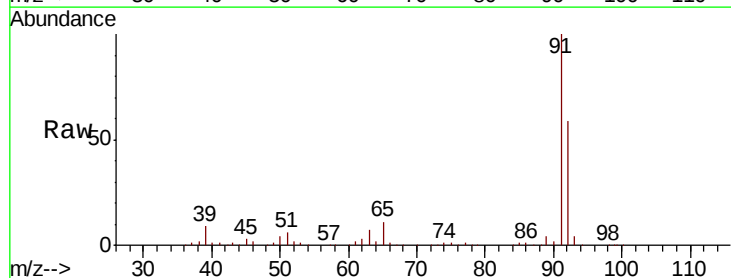
Ion Ratio Lower Upper

92 100

91 172.3

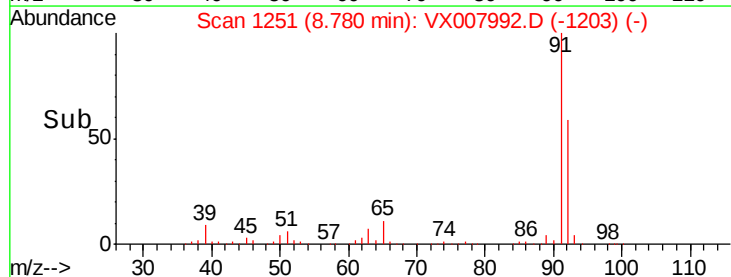
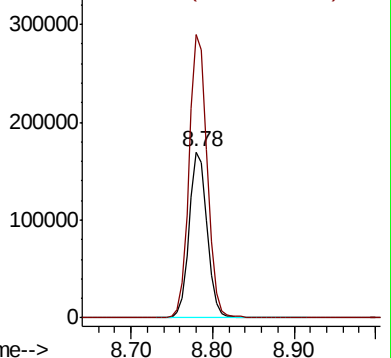
137.4

206.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





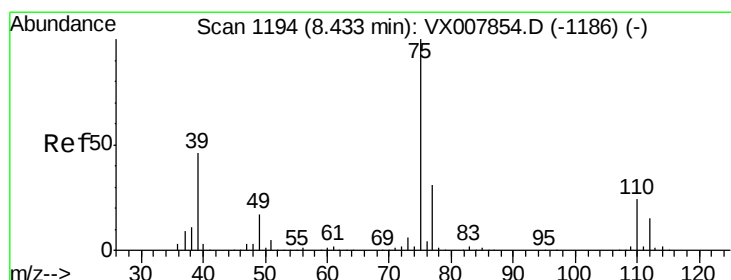
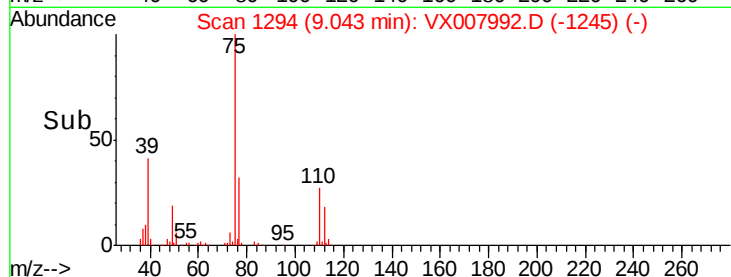
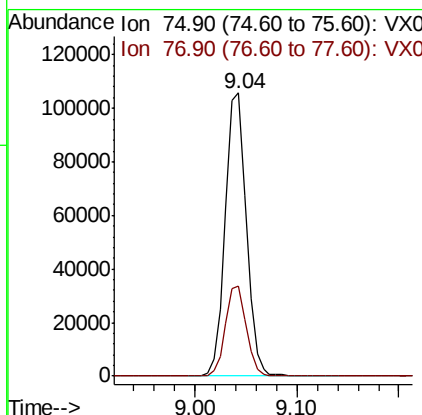
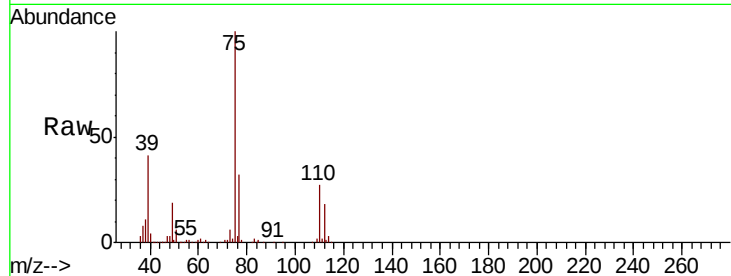
#53
t-1,3-Dichloropropene
Concen: 54.875 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 151656
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.0

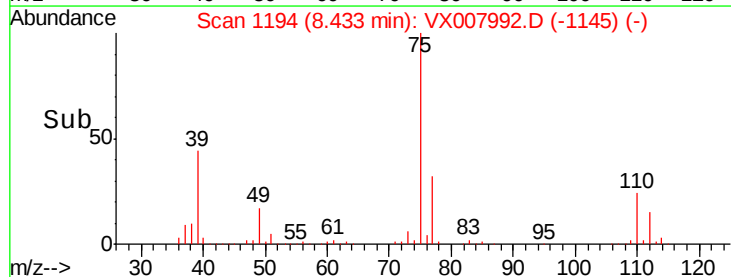
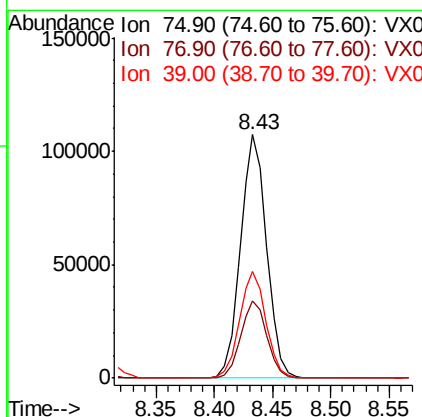
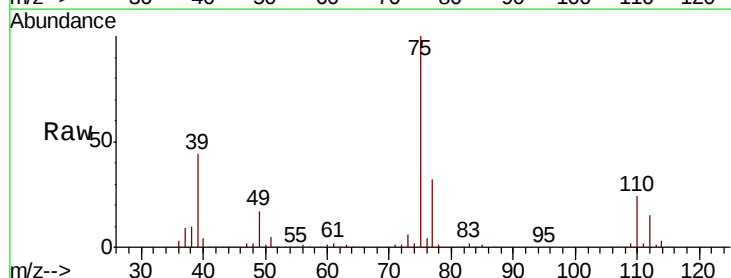
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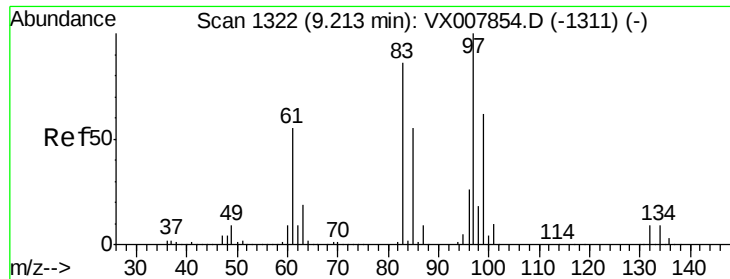
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 53.608 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Tgt Ion: 75 Resp: 167305
Ion Ratio Lower Upper
75 100
77 31.6 25.0 37.6
39 43.7 36.6 54.8





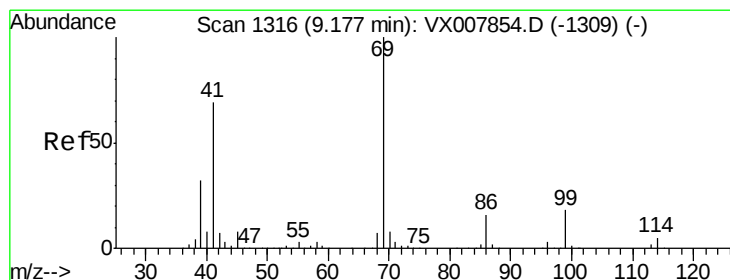
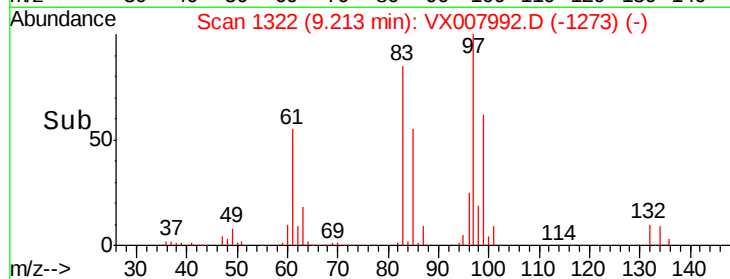
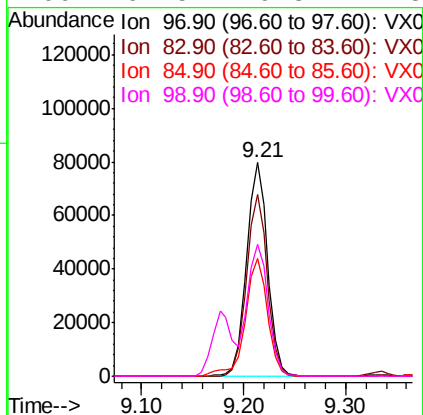
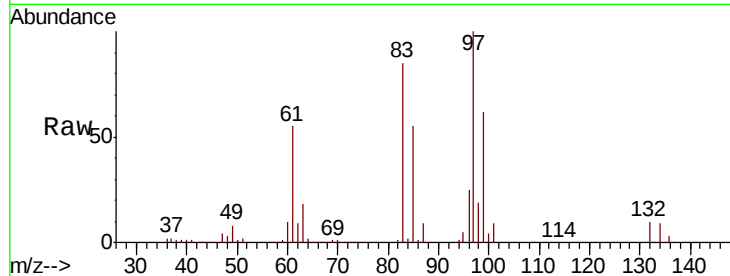
#55
 1,1,2-Trichloroethane
 Concen: 55.626 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007992.D
 Acq: 12 Mar 2019 03:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	114867		
83	85.1	69.1	103.7	
85	55.1	44.3	66.5	
99	61.5	49.8	74.8	

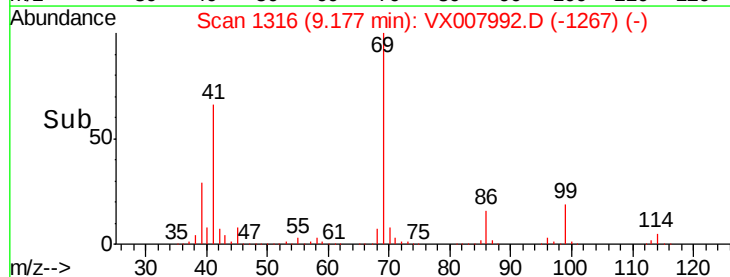
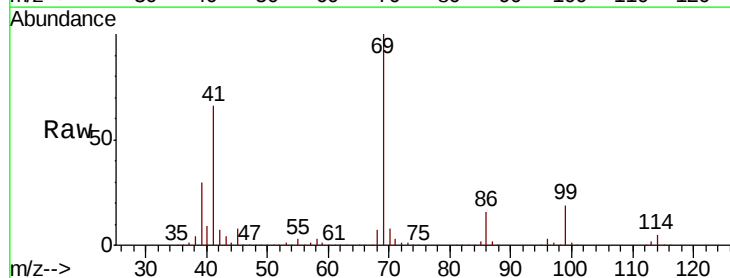
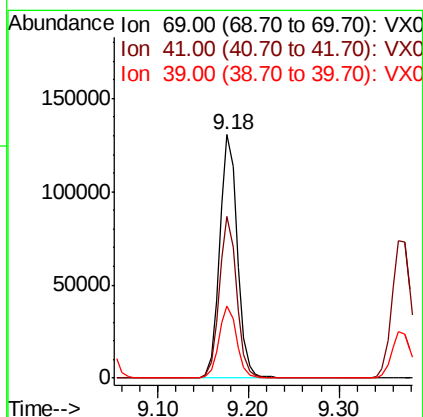
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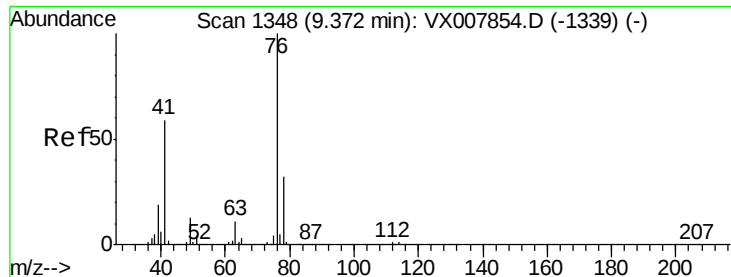
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#56
 Ethyl methacrylate
 Concen: 57.373 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007992.D
 Acq: 12 Mar 2019 03:11

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	177886		
41	65.1	54.2	81.4	
39	29.8	25.0	37.4	





#57

1,3-Dichloropropane

Concen: 54.538 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 189100

Ion Ratio Lower Upper

76 100

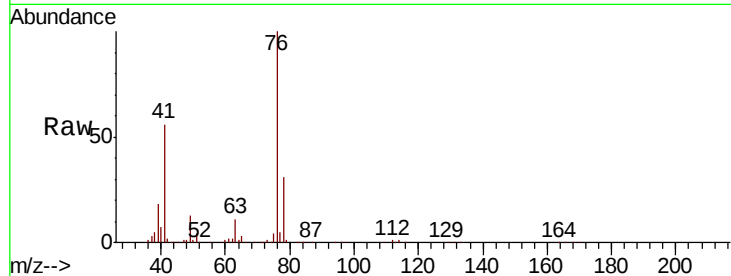
78 32.0 25.5 38.3

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

150000

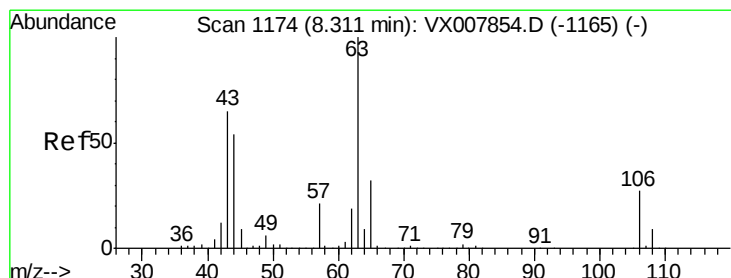
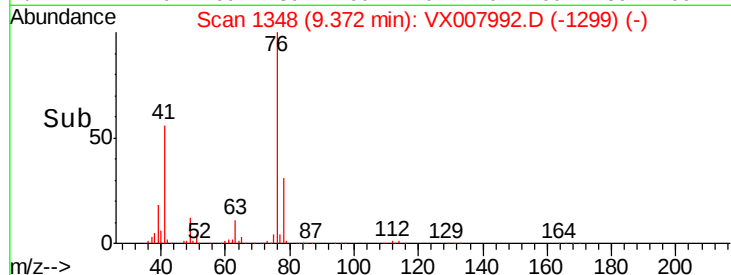
9.37

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 287.568 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007992.D

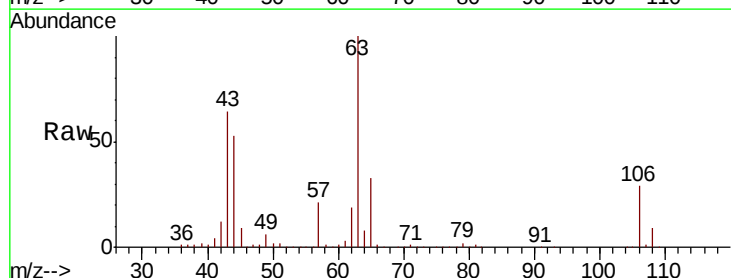
Acq: 12 Mar 2019 03:11

Tgt Ion: 63 Resp: 461208

Ion Ratio Lower Upper

63 100

106 28.4 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

300000

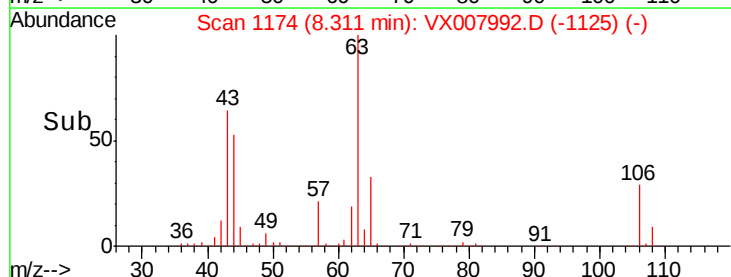
8.31

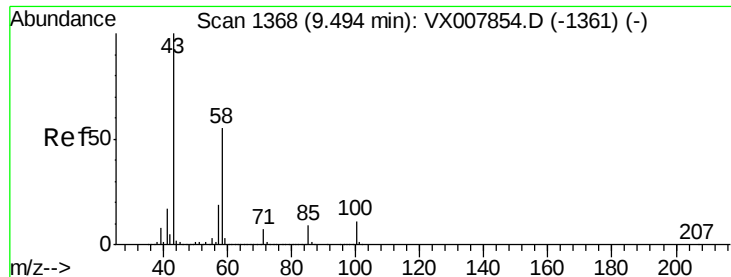
200000

100000

0

Time-->





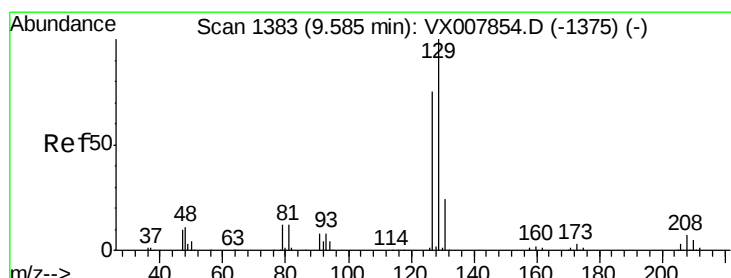
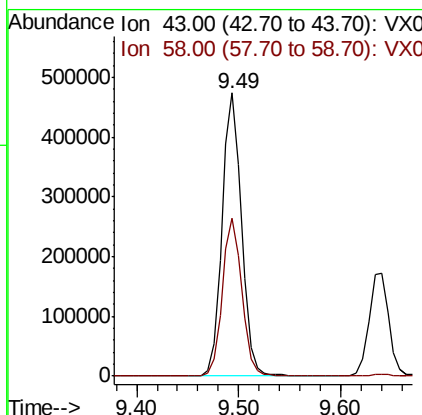
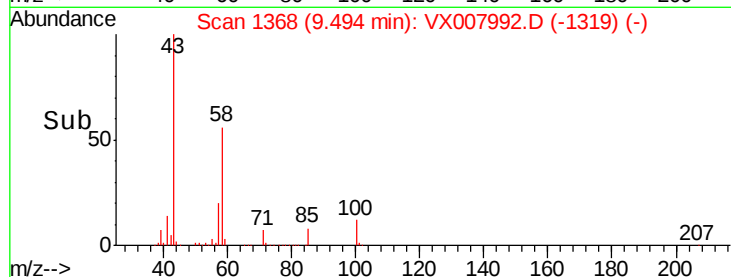
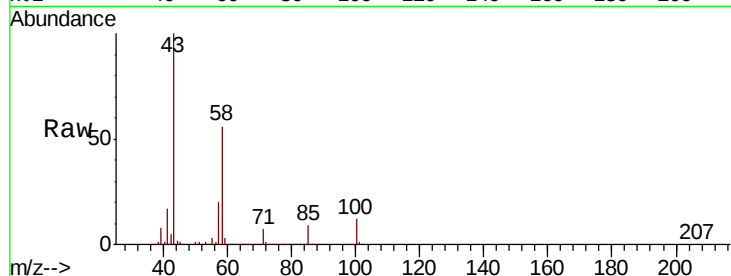
#59
2-Hexanone
Concen: 255.712 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 629326
Ion Ratio Lower Upper
43 100
58 56.0 27.6 82.7

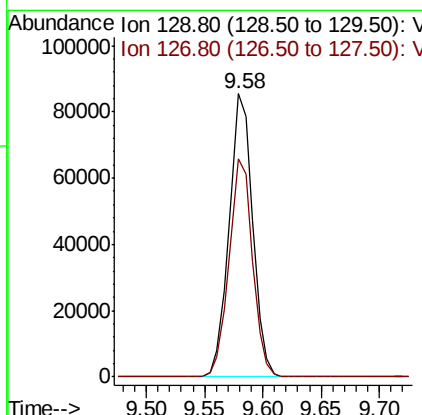
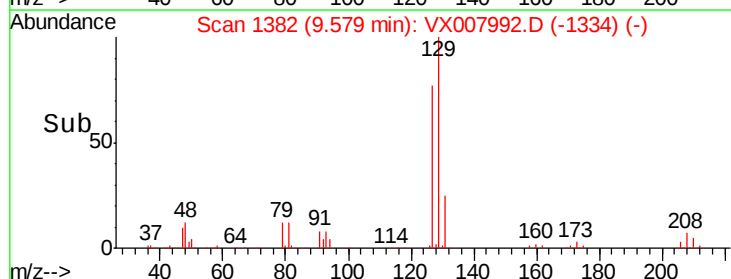
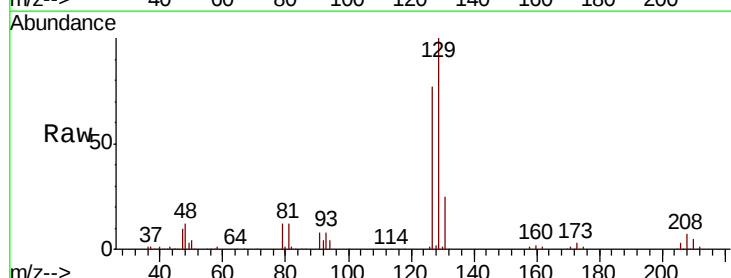
Manual Integrations
APPROVED

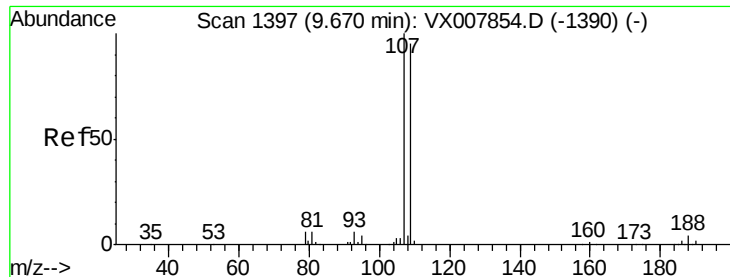
MMDadoda
3/12/2019 3:23:55 PM



#60
Dibromochloromethane
Concen: 55.791 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Tgt Ion: 129 Resp: 120421
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.8





#61

1,2-Dibromoethane

Concen: 55.716 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 122155

Ion Ratio Lower Upper

107 100

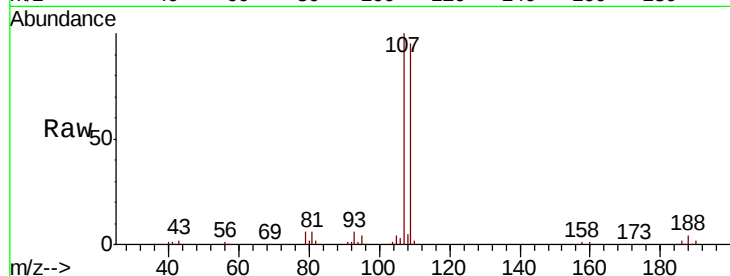
109 94.0 75.8 113.8

Manual Integrations

APPROVED

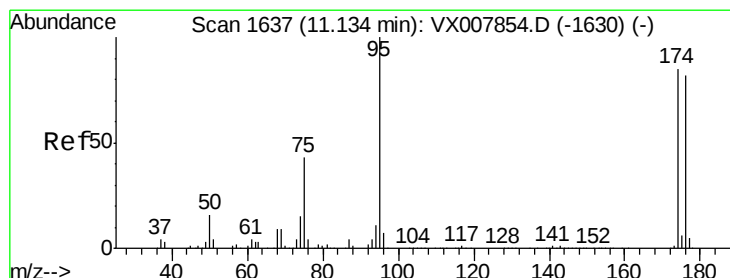
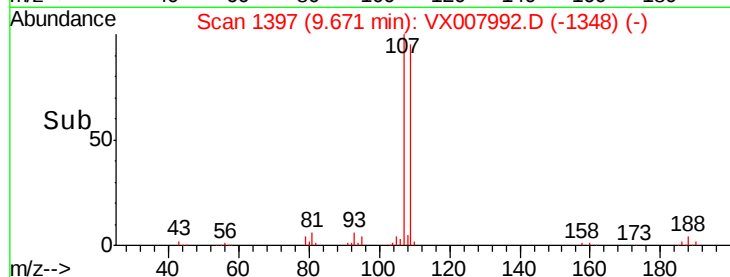
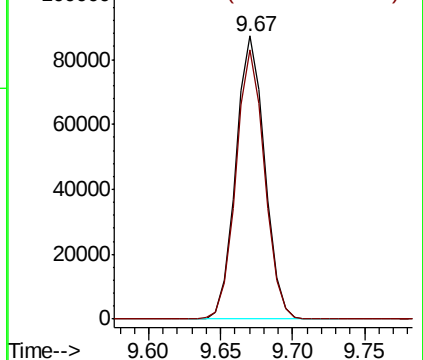
MMDadoda

3/12/2019 3:23:55 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 56.406 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

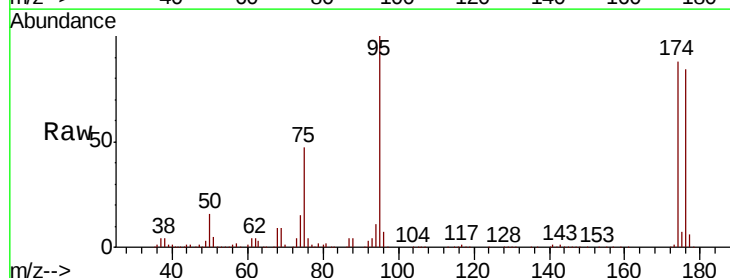
Tgt Ion: 95 Resp: 144001

Ion Ratio Lower Upper

95 100

174 92.6 0.0 182.8

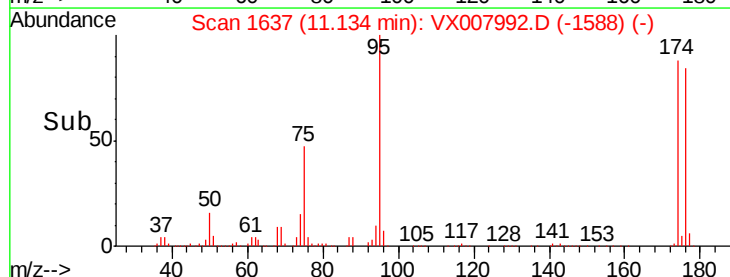
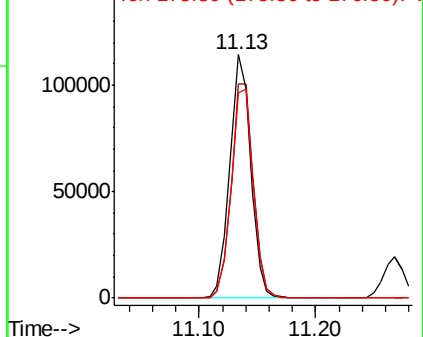
176 90.2 0.0 178.0

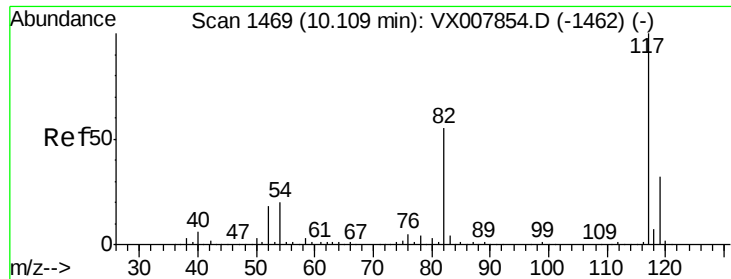


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





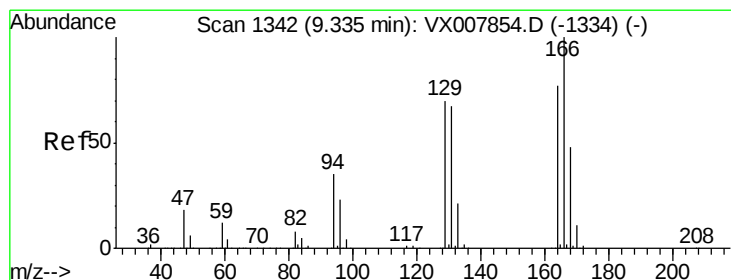
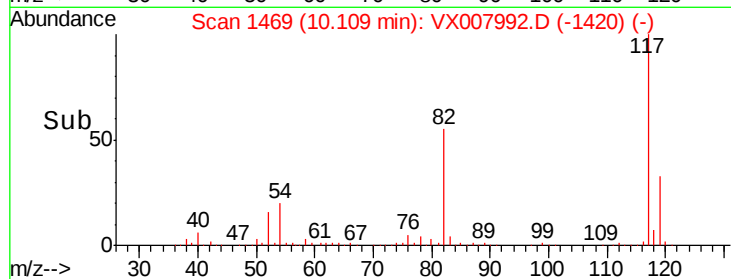
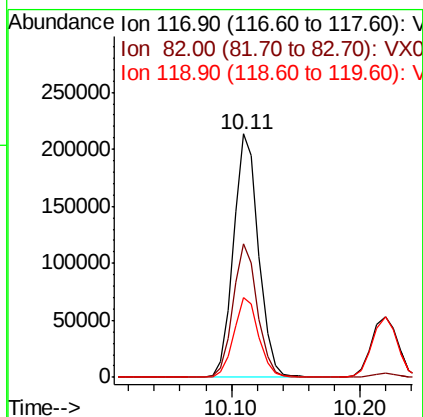
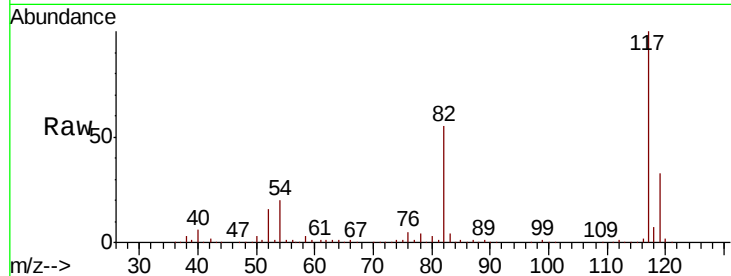
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	289662		
82	54.7	44.3	66.5	
119	32.5	25.3	37.9	

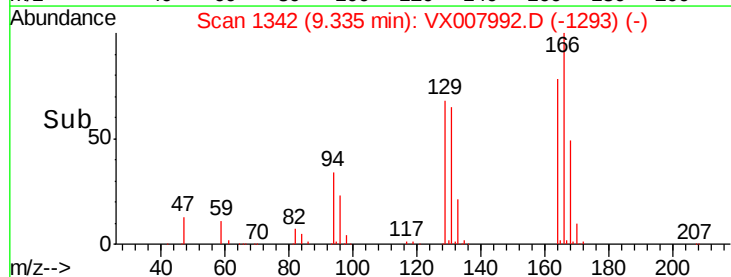
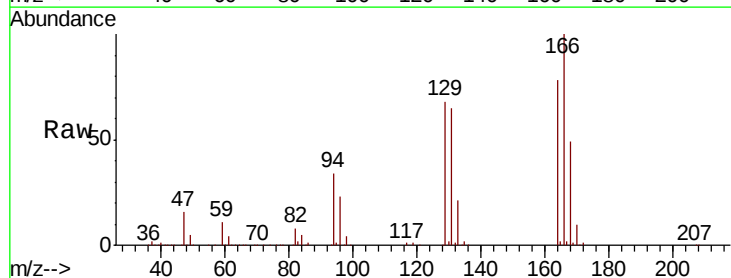
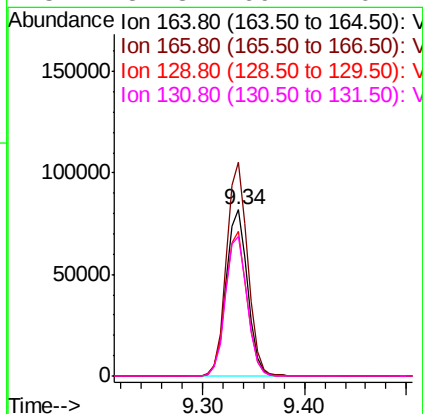
Manual Integrations
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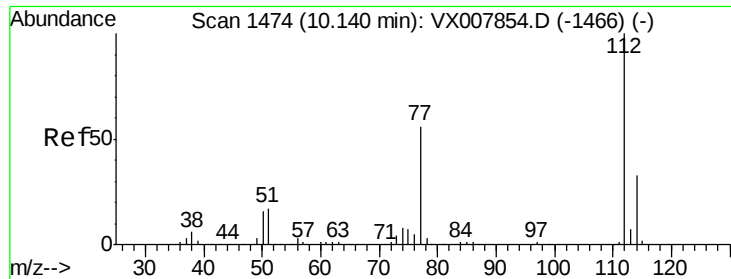
MMDadoda
3/12/2019 3:23:55 PM



#64
Tetrachloroethene
Concen: 49.233 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	118180		
166	128.8	103.4	155.0	
129	87.5	72.2	108.4	
131	84.3	69.4	104.2	





#65

Chlorobenzene

Concen: 49.251 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 298530

Ion Ratio Lower Upper

112 100

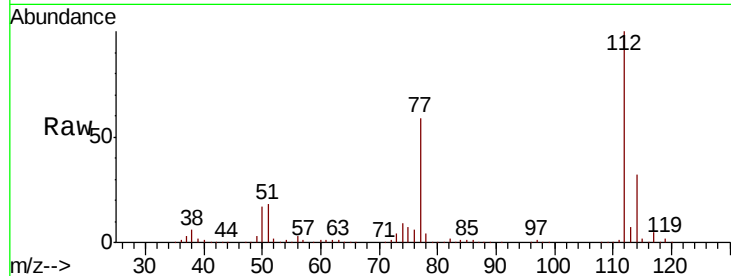
114 32.2 26.0 39.0

Manual Integrations

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MMDadoda

3/12/2019 3:23:55 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

250000

200000

150000

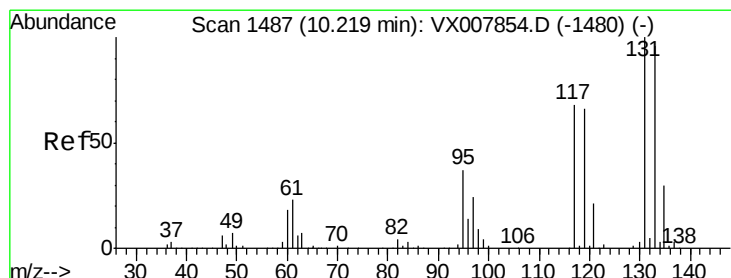
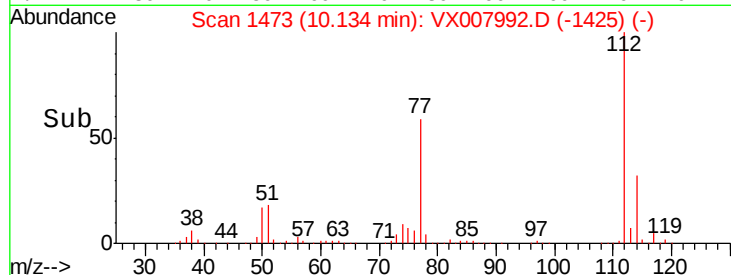
100000

50000

0

10.10 10.20 10.30

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 51.206 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

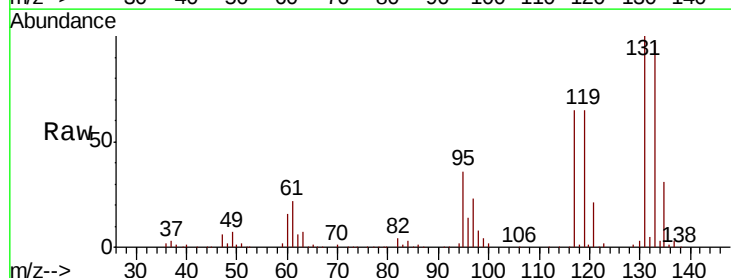
Tgt Ion:131 Resp: 111241

Ion Ratio Lower Upper

131 100

133 94.9 47.8 143.3

119 64.8 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

100000

80000

60000

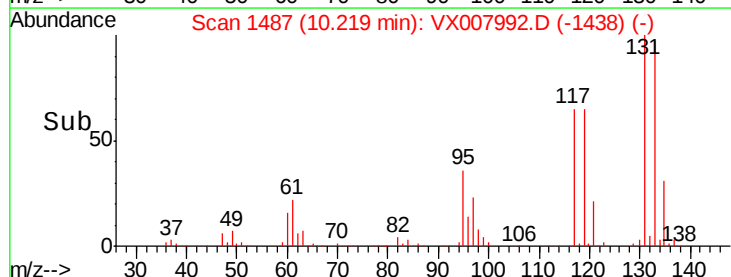
40000

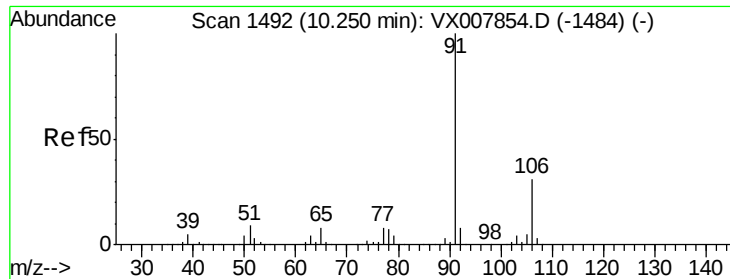
20000

0

10.20 10.30

Time-->





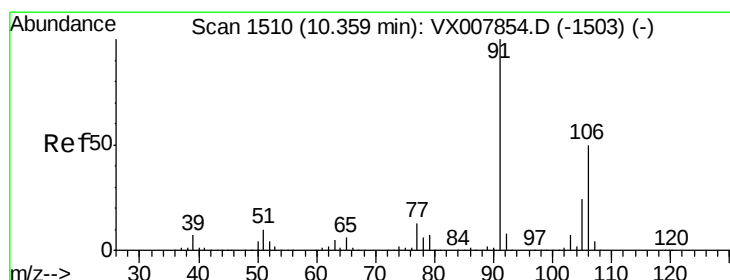
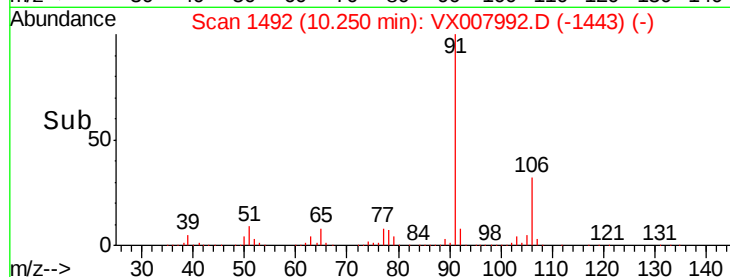
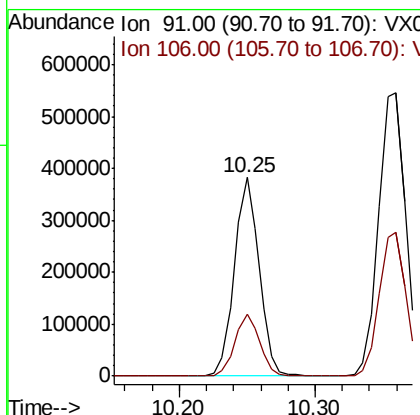
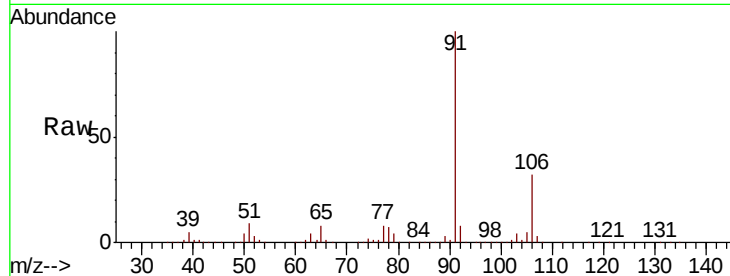
#67
Ethyl Benzene
Concen: 48.598 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 484891
Ion Ratio Lower Upper
91 100
106 31.5 25.2 37.8

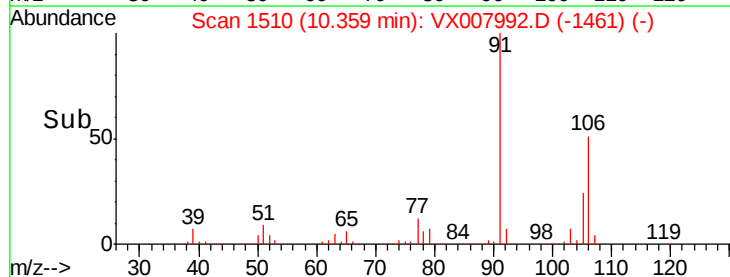
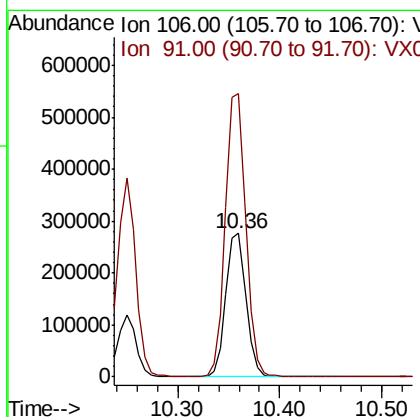
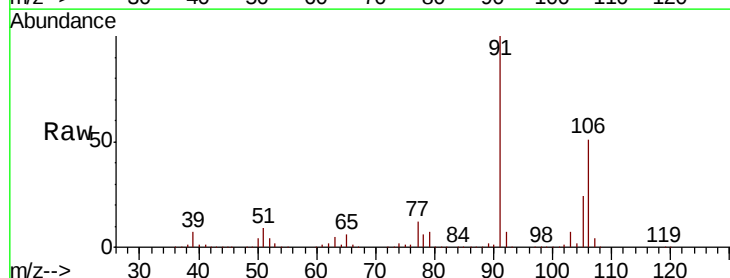
Manual Integrations
APPROVED

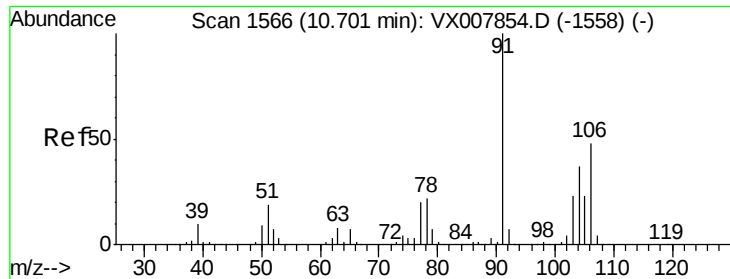
MMDadoda
3/12/2019 3:23:55 PM



#68
m/p-Xylenes
Concen: 98.650 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Tgt Ion: 106 Resp: 379399
Ion Ratio Lower Upper
106 100
91 200.3 159.8 239.6





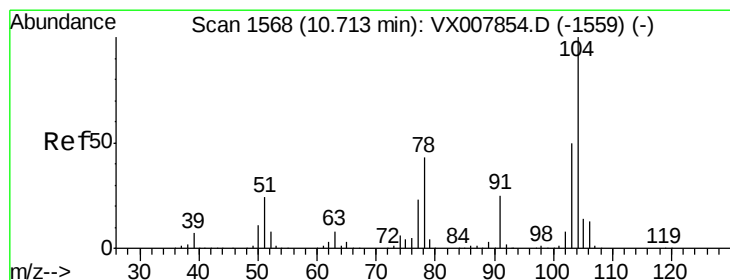
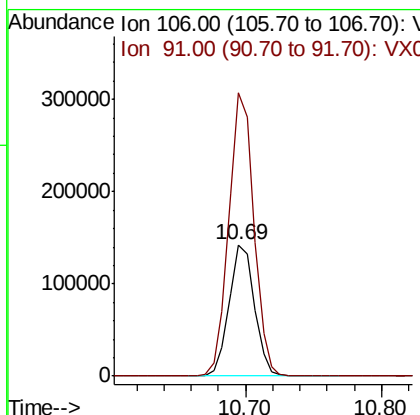
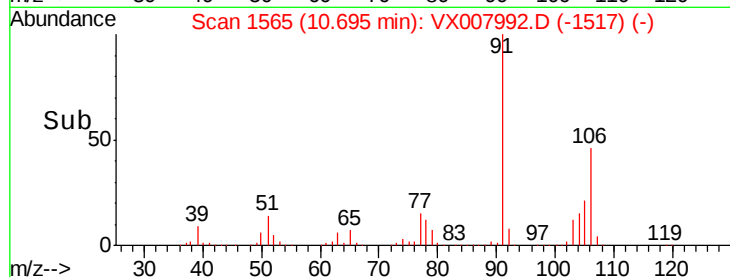
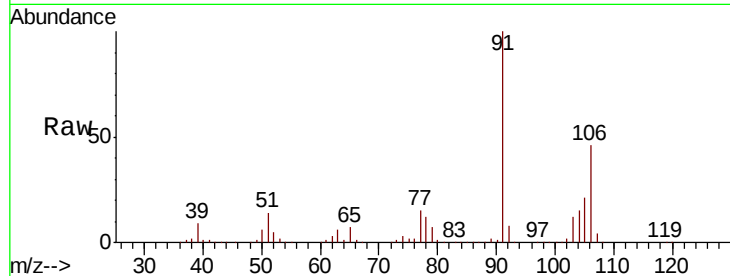
#69
o-Xylene
Concen: 49.989 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 185609
Ion Ratio Lower Upper
106 100
91 213.2 106.3 318.9

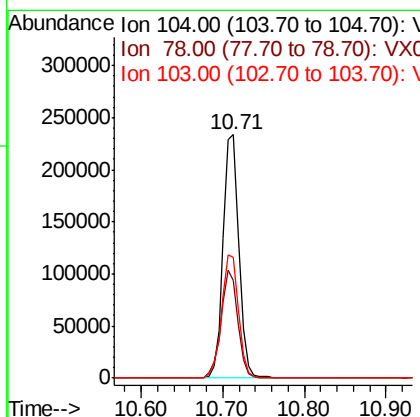
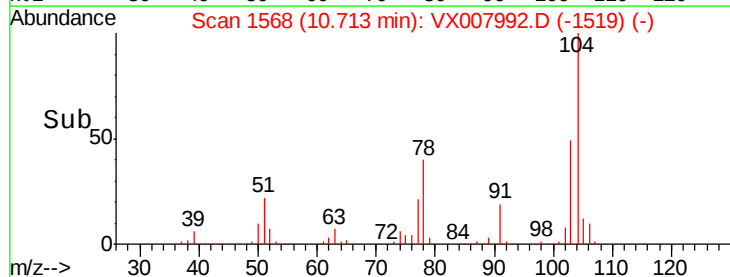
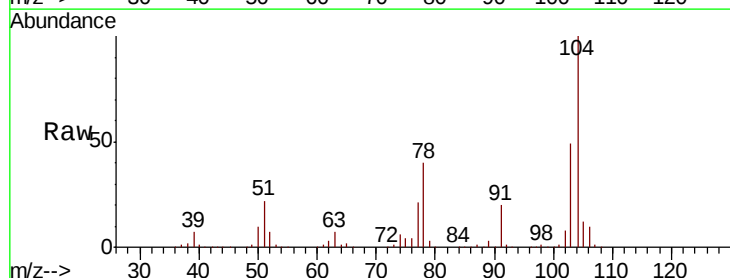
Manual Integrations
APPROVED

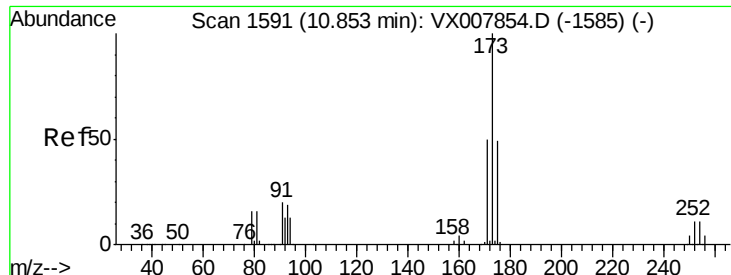
MMDadoda
3/12/2019 3:23:55 PM



#70
Styrene
Concen: 51.962 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Tgt Ion:104 Resp: 315717
Ion Ratio Lower Upper
104 100
78 47.2 38.5 57.7
103 54.6 44.1 66.1





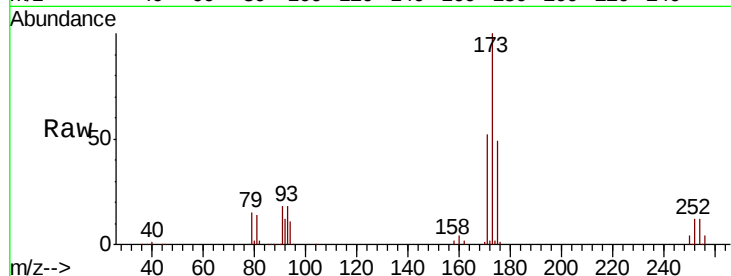
#71
Bromoform
Concen: 51.532 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	72.9
254	0.1	0.1	0.1#

Manual Integrations
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MMDadoda
3/12/2019 3:23:55 PM

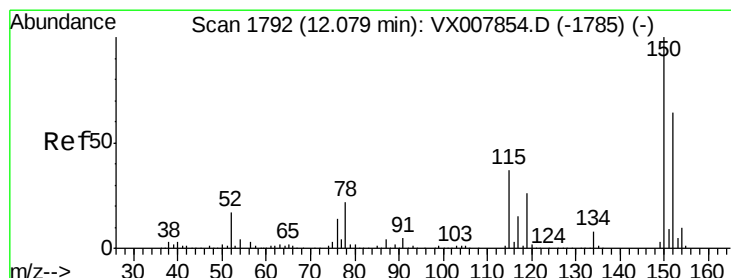
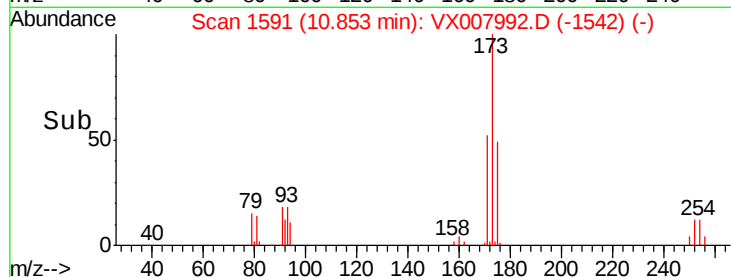
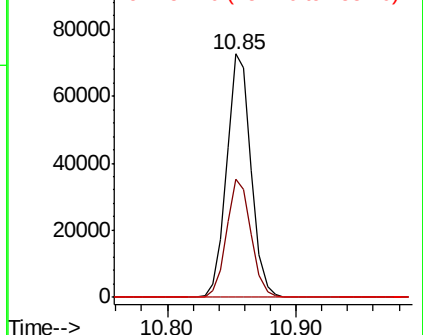


Abundance

Ion 172.70 (172.40 to 173.40): V

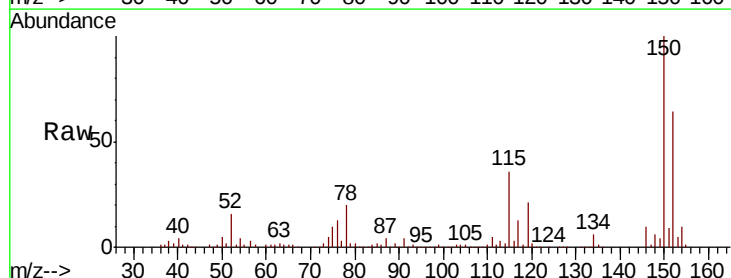
Ion 174.70 (174.40 to 175.40): V

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: VX007992.D
Acq: 12 Mar 2019 03:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	75.6	38.6	115.7
150	172.9	0.0	348.4

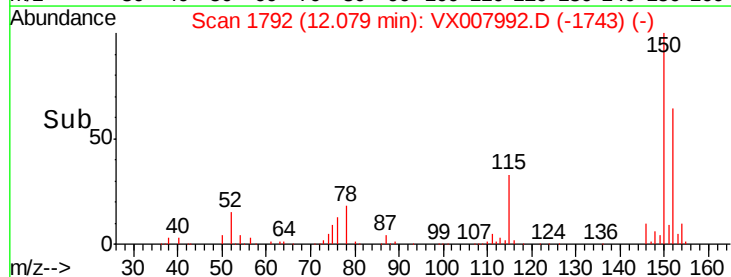
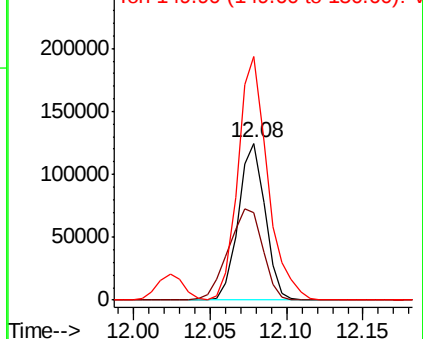


Abundance

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: 47.366 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 482557

Ion Ratio Lower Upper

105 100

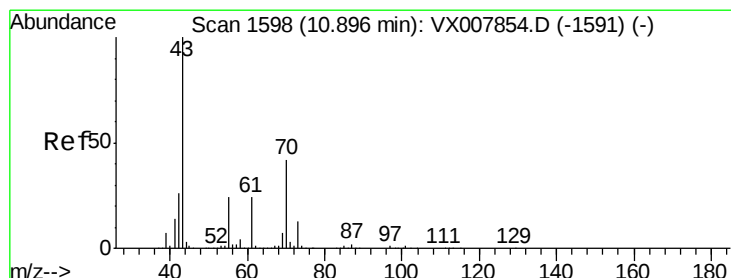
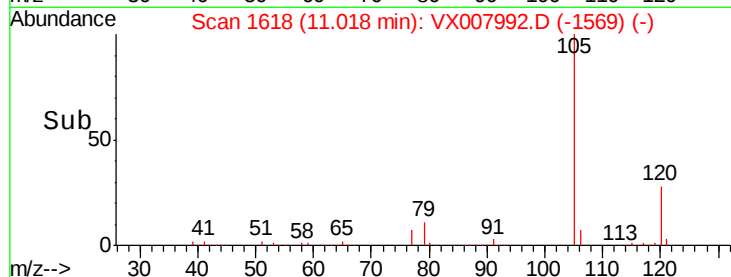
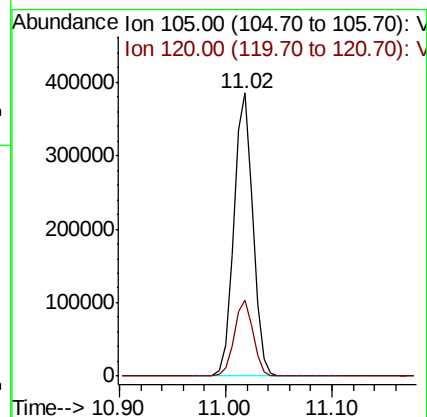
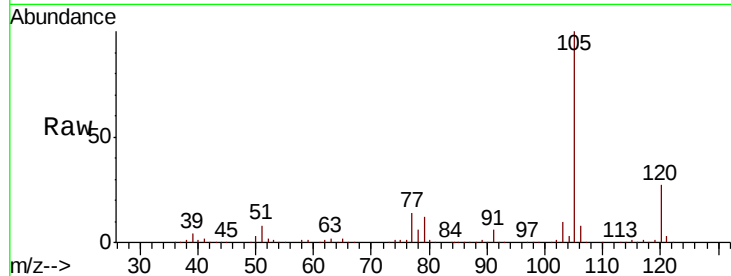
120 26.6 13.4 40.1

Manual Integrations

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MMDadoda

3/12/2019 3:23:55 PM



#74

N-ethyl acetate

Concen: 48.043 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

Tgt Ion: 43 Resp: 223451

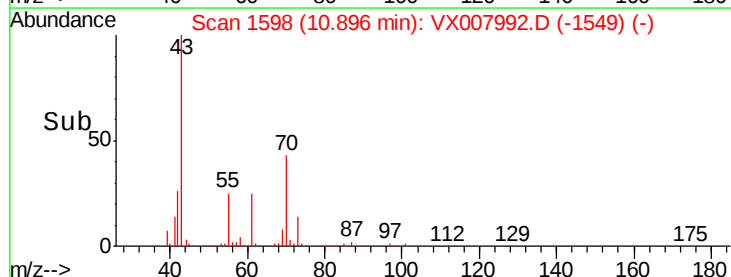
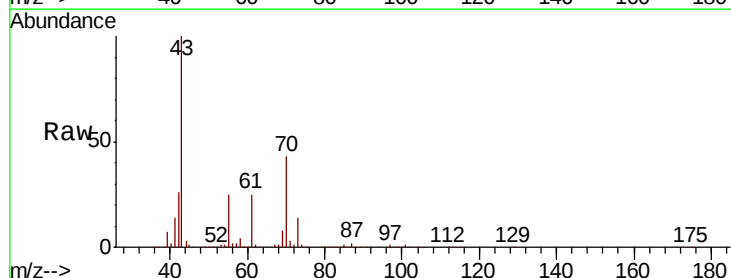
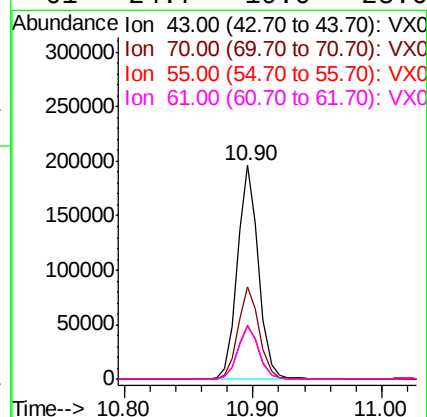
Ion Ratio Lower Upper

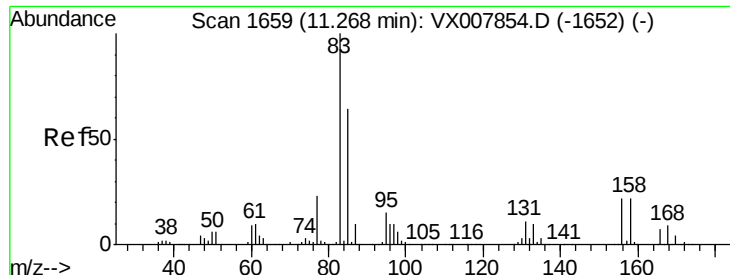
43 100

70 43.3 33.5 50.3

55 25.0 19.2 28.8

61 24.7 19.0 28.6





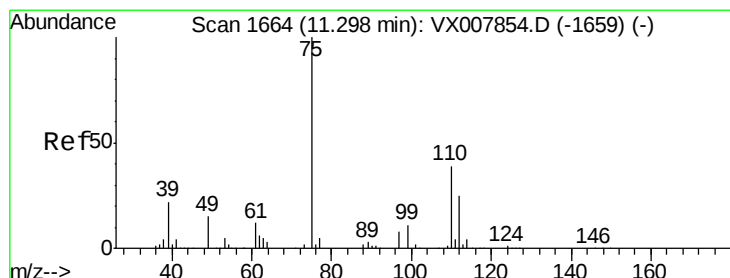
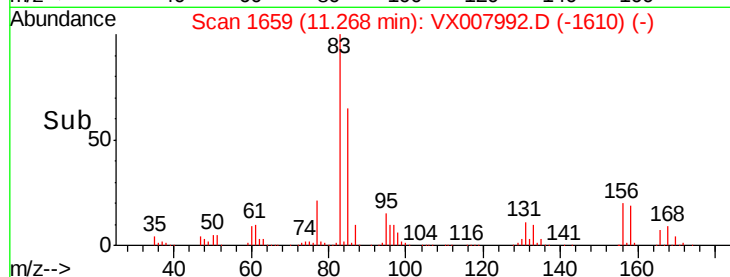
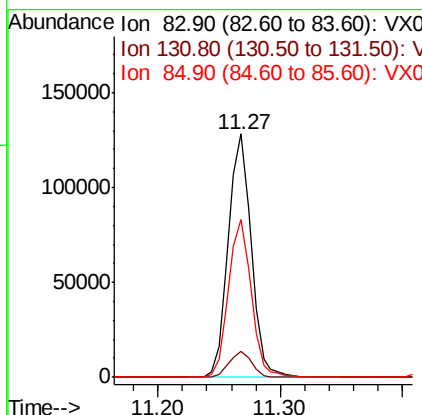
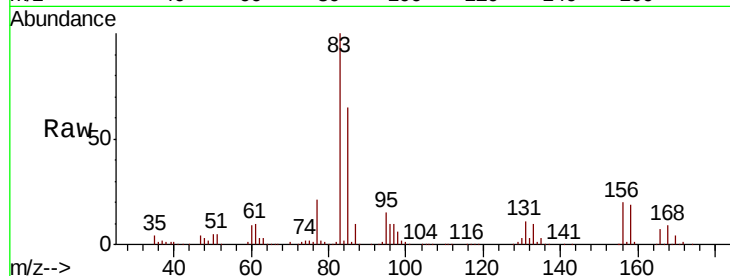
#75
 1,1,2,2-Tetrachloroethane
 Concen: 47.326 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX007992.D
 Acq: 12 Mar 2019 03:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.4	16.2
85	64.0	32.3	96.8

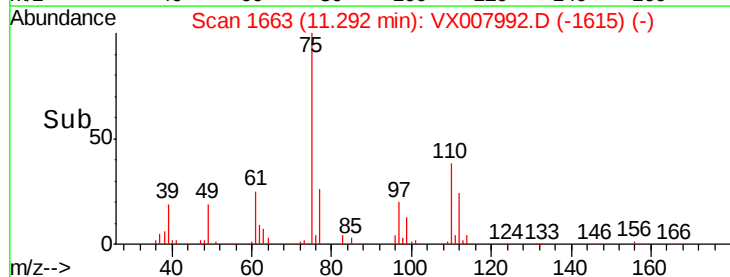
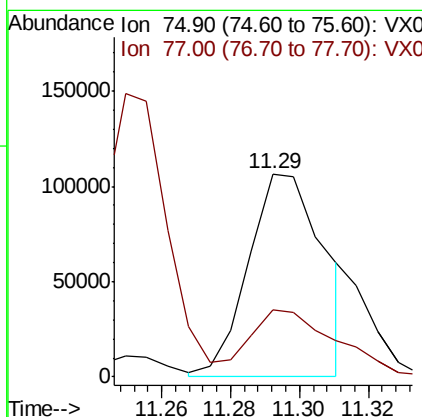
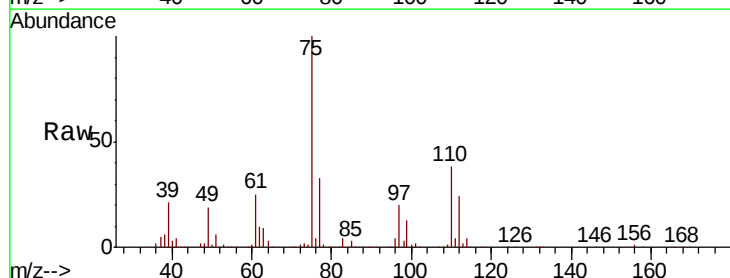
Manual Integrations
 APPROVED

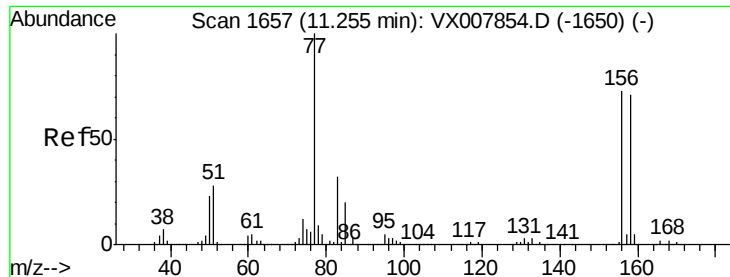
MMDadoda
 3/12/2019 3:23:55 PM



#76
 1,2,3-Trichloropropane
 Concen: 51.066 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.01 min
 Lab File: VX007992.D
 Acq: 12 Mar 2019 03:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	38.5	18.9	56.7





#77

Bromobenzene

Concen: 49.159 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

Instrument :

MSVOA_X

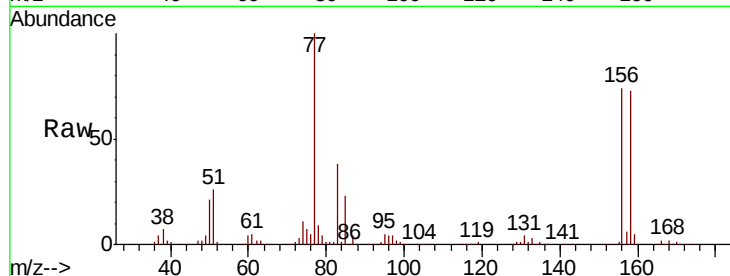
ClientSampleId :

VSTDCCC050

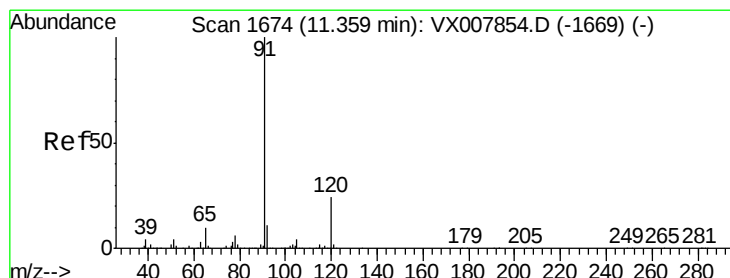
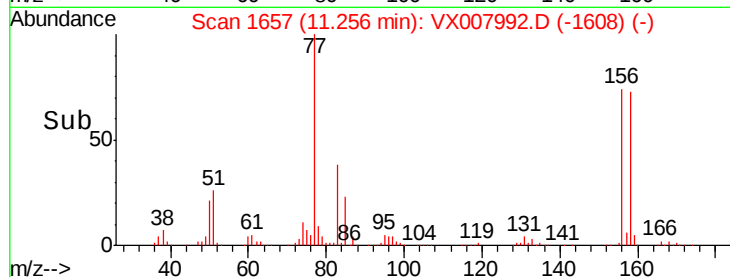
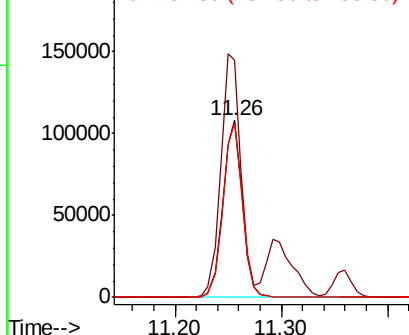
Tgt Ion:	156	Resp:	137311
Ion Ratio	Lower	Upper	
156	100		
77	141.5	72.0	215.9
158	98.1	48.6	145.9

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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: 47.678 ug/l

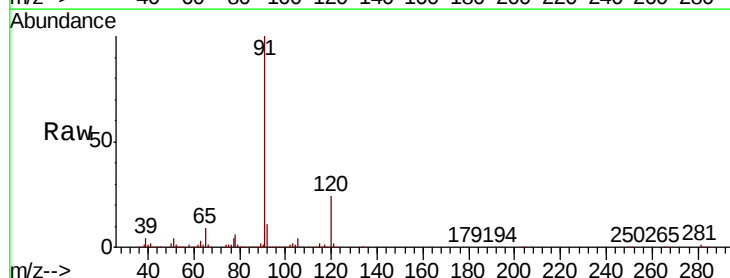
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

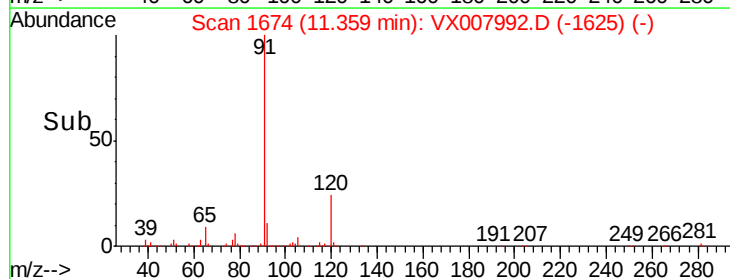
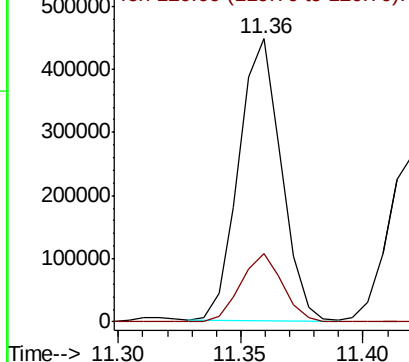
Lab File: VX007992.D

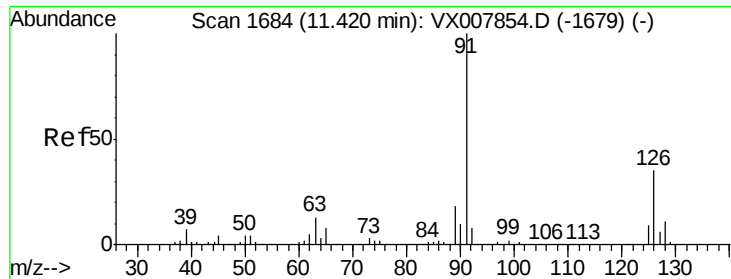
Acq: 12 Mar 2019 03:11

Tgt Ion:	91	Resp:	538877
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





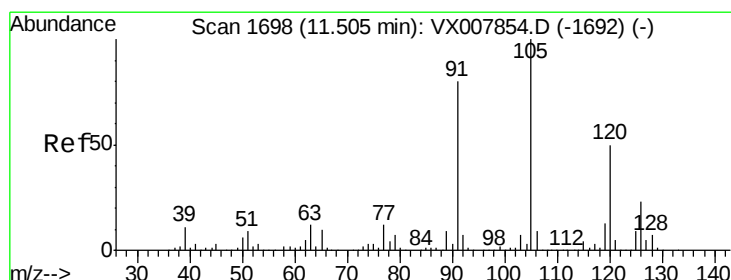
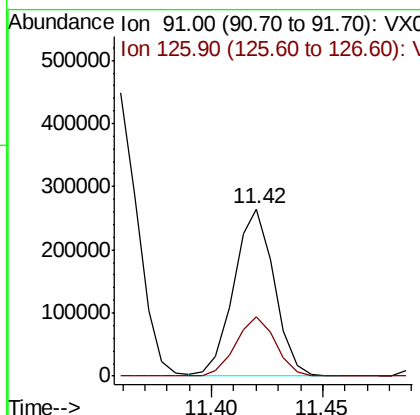
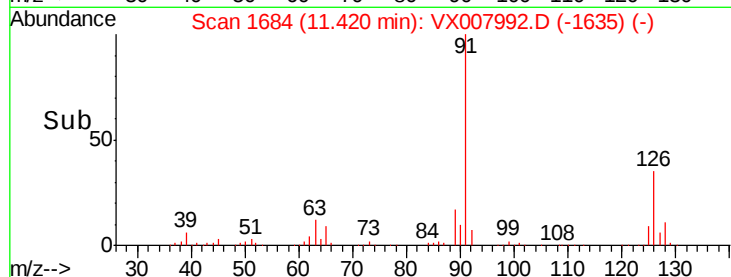
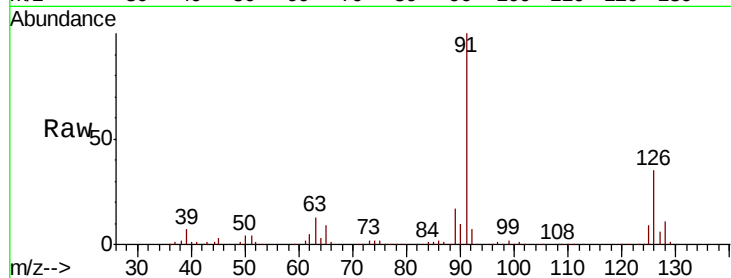
#79
 2-Chlorotoluene
 Concen: 47.951 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX007992.D
 Acq: 12 Mar 2019 03:11

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tgt Ion: 91 Resp: 331364
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.5 52.6

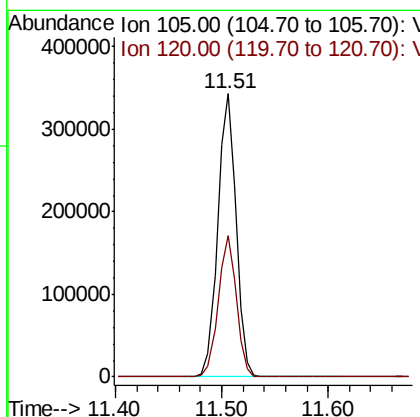
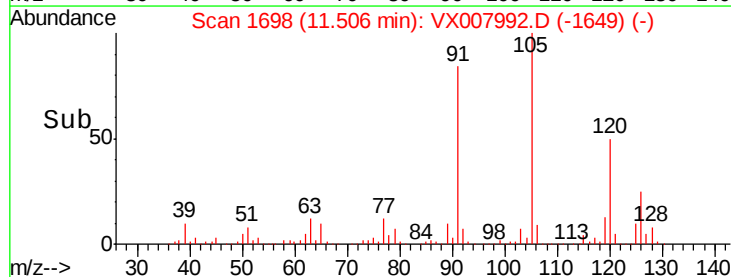
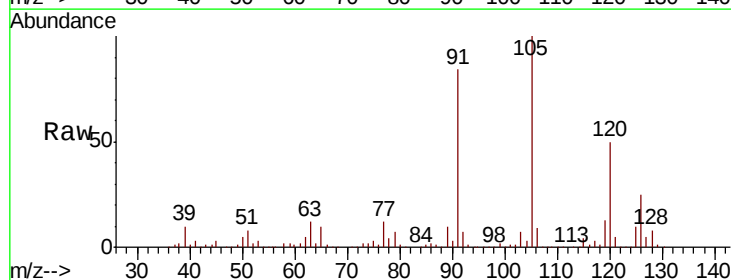
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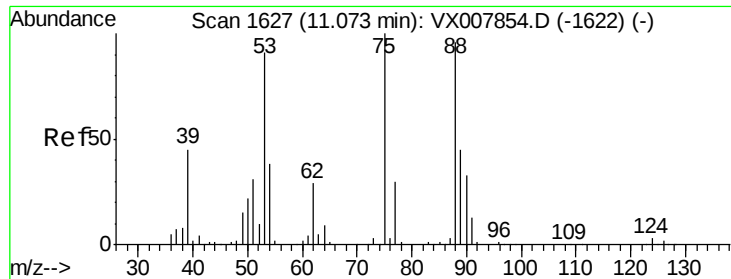
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#80
 1,3,5-Trimethylbenzene
 Concen: 48.764 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007992.D
 Acq: 12 Mar 2019 03:11

Tgt Ion: 105 Resp: 408893
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 47.080 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 46558
Ion Ratio Lower Upper

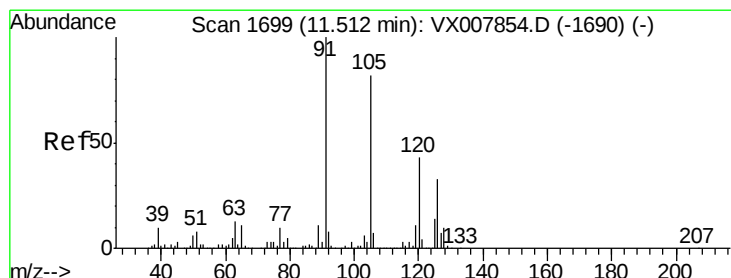
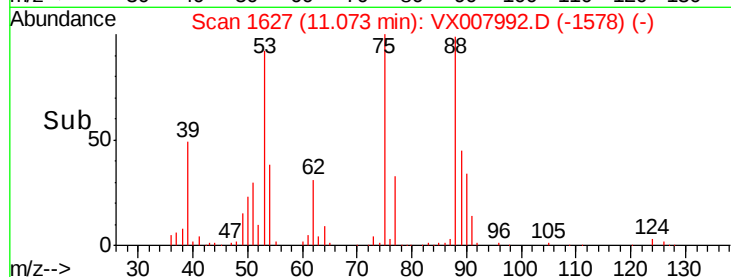
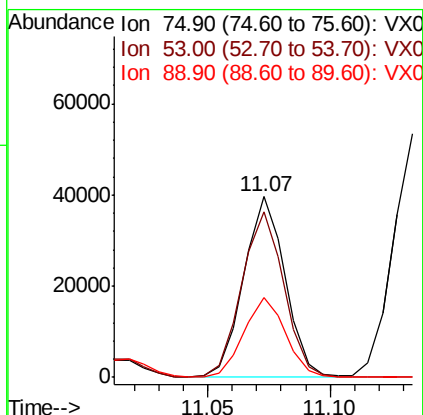
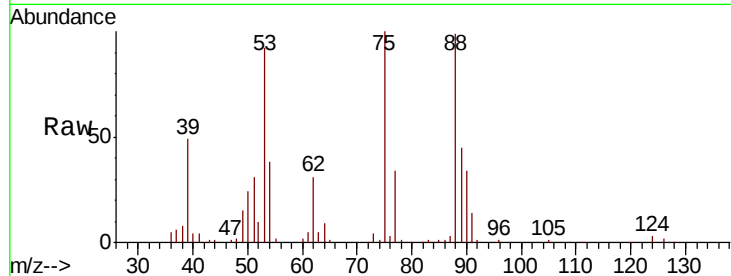
75 100

53 93.9 76.1 114.1

89 45.0 36.3 54.5

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#82

4-Chlorotoluene

Concen: 48.226 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

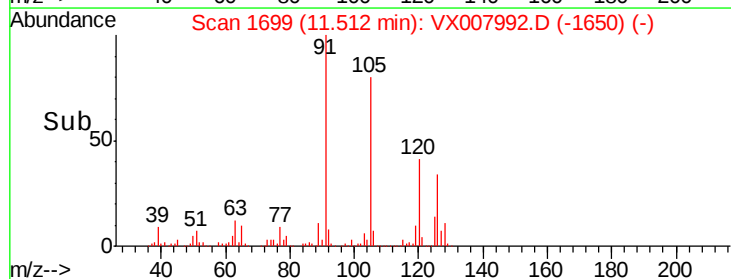
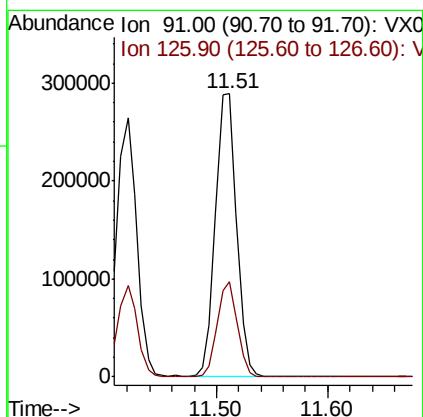
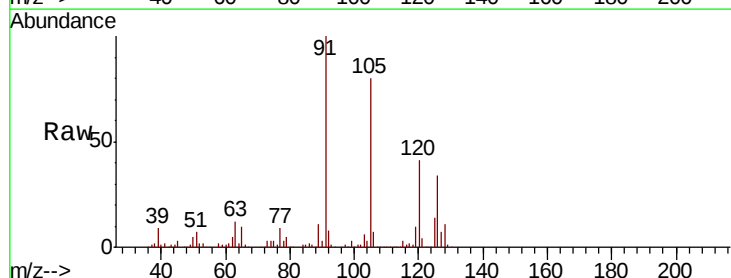
Lab File: VX007992.D

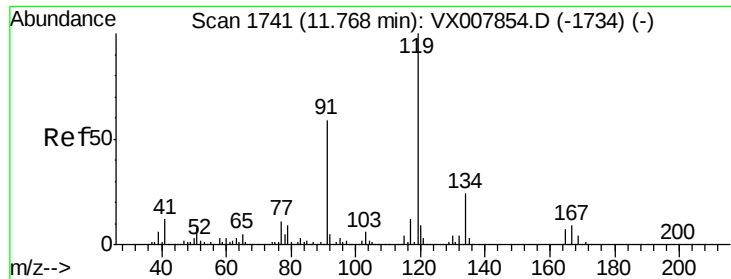
Acq: 12 Mar 2019 03:11

Tgt Ion: 91 Resp: 381924
Ion Ratio Lower Upper

91 100

126 31.8 15.6 46.8





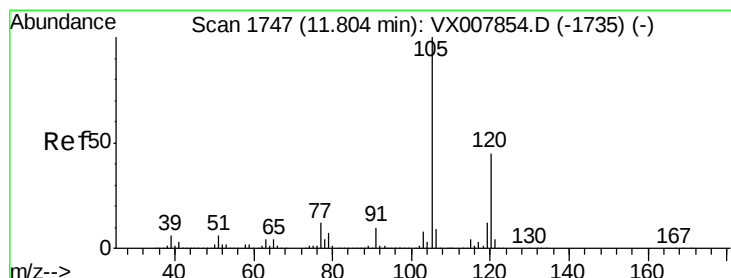
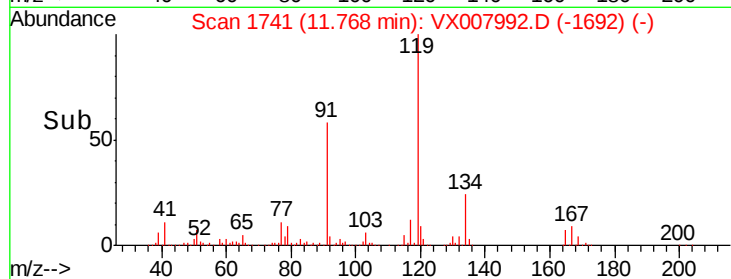
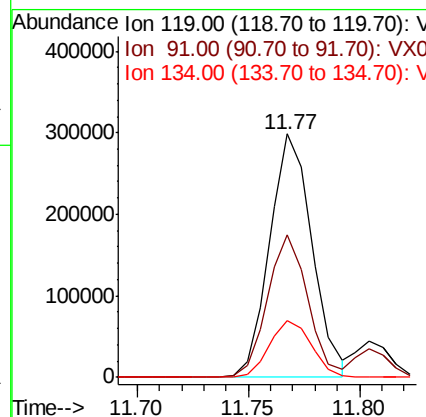
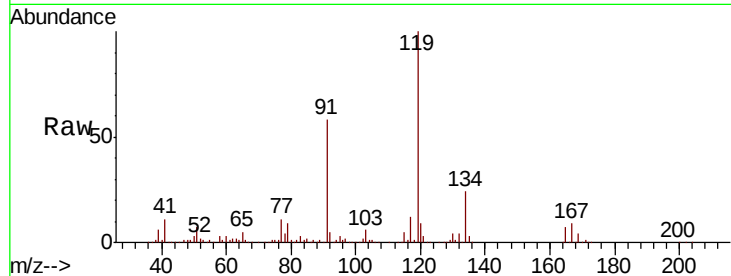
#83
 tert-Butylbenzene
 Concen: 46.730 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX007992.D
 Acq: 12 Mar 2019 03:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	394700		
91	55.7	27.1	81.3	
134	23.1	11.4	34.1	

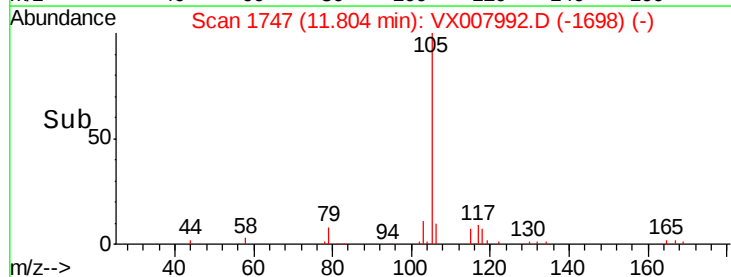
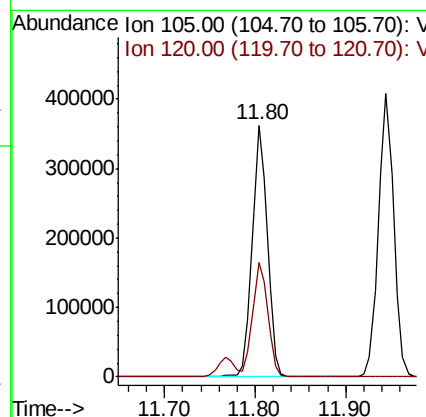
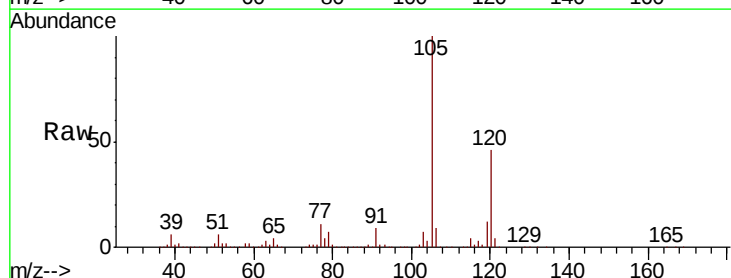
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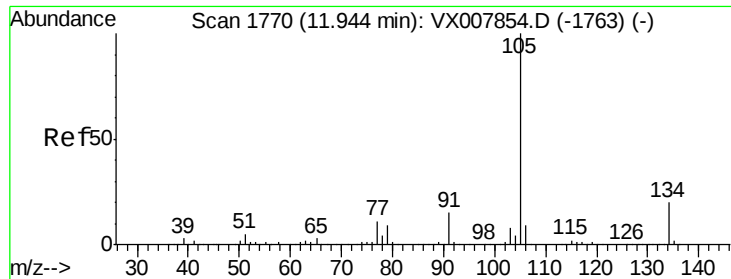
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.293 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007992.D
 Acq: 12 Mar 2019 03:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	423717		
120	45.3	22.6	67.7	





#85

sec-Butylbenzene

Concen: 47.888 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 476378

Ion Ratio Lower Upper

105 100

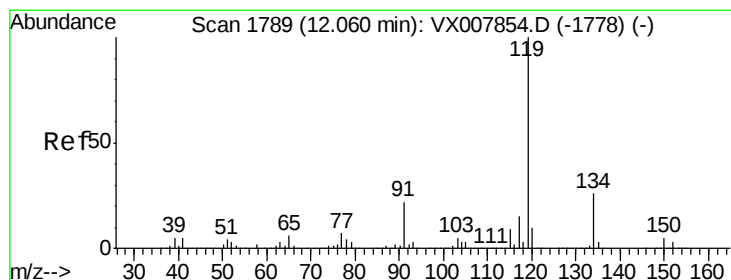
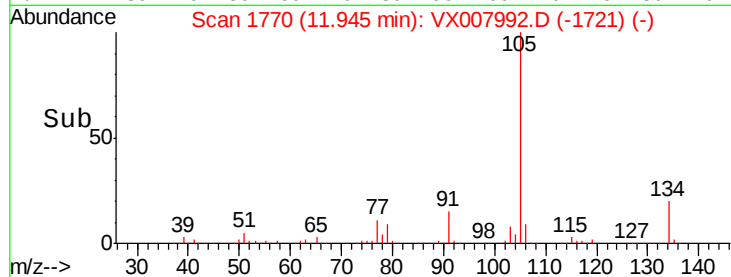
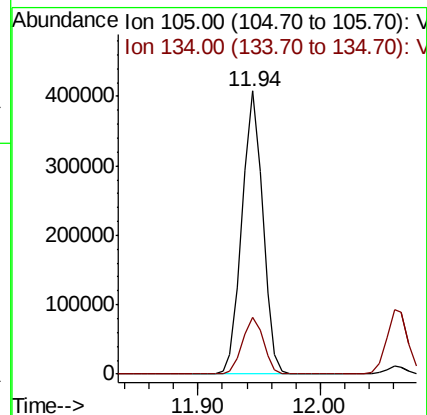
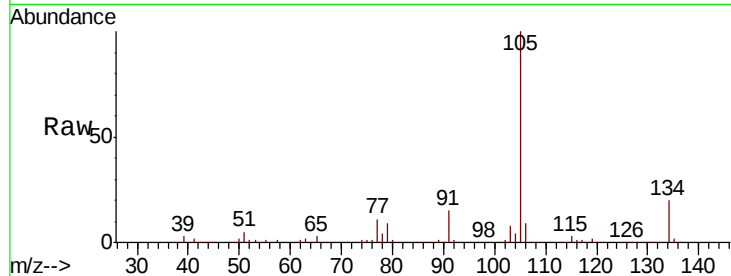
134 20.4 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 48.353 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

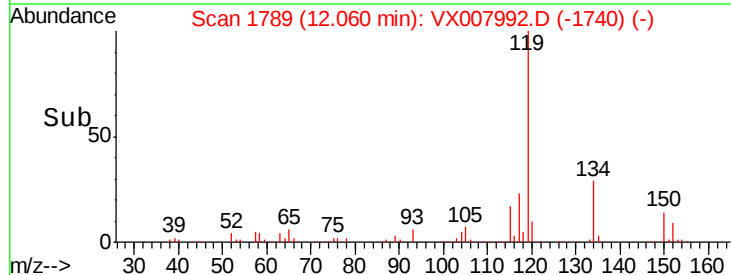
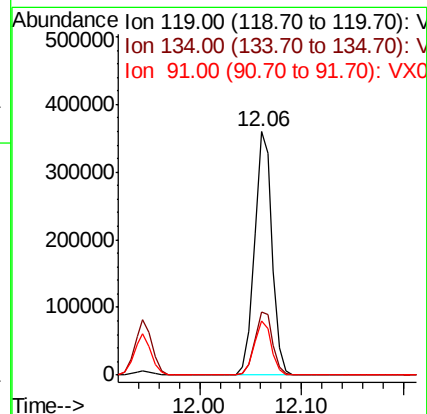
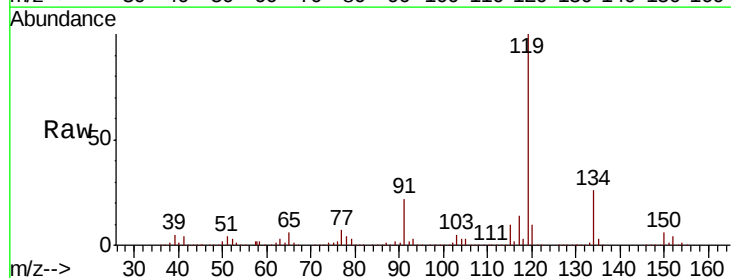
Tgt Ion:119 Resp: 430780

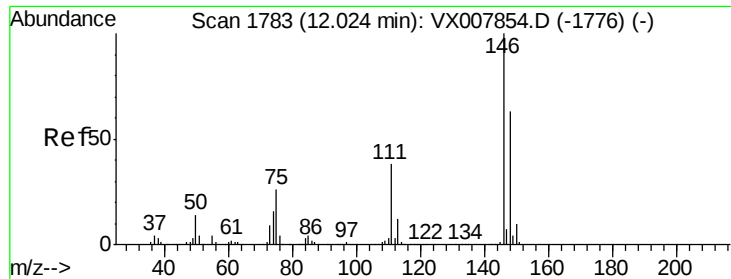
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

91 21.9 10.9 32.7





#87

1,3-Dichlorobenzene

Concen: 48.954 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

Instrument :

MSVOA_X

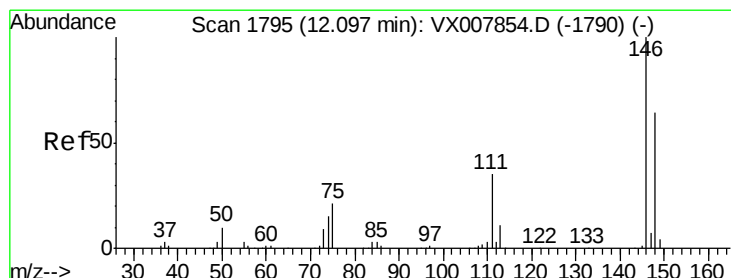
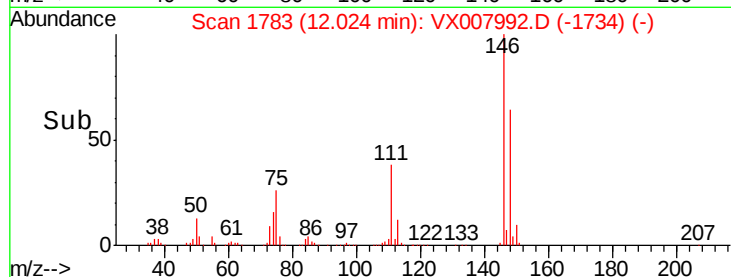
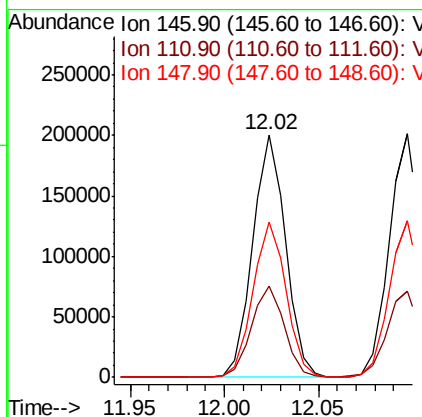
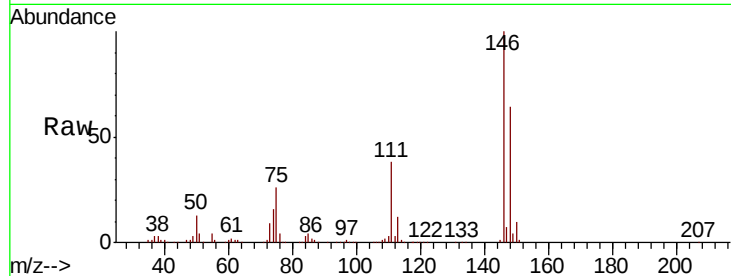
ClientSampleId :

VSTDCCC050

Tgt Ion:	146	Resp:	241906
Ion Ratio		Lower	Upper
146	100		
111	37.7	18.9	56.7
148	64.5	31.7	95.1

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#88

1,4-Dichlorobenzene

Concen: 48.103 ug/l

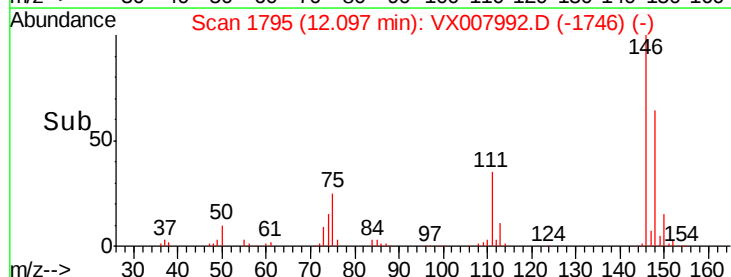
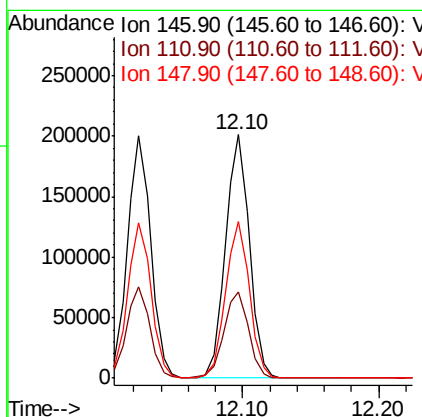
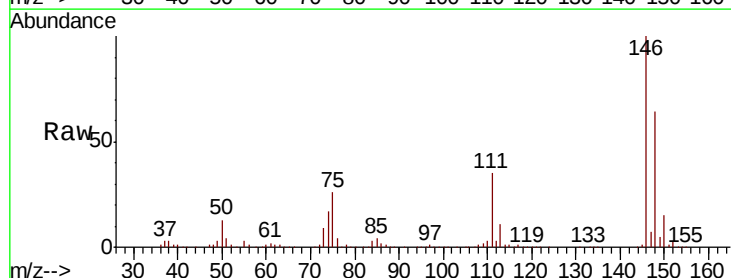
RT: 12.10 min Scan# 1795

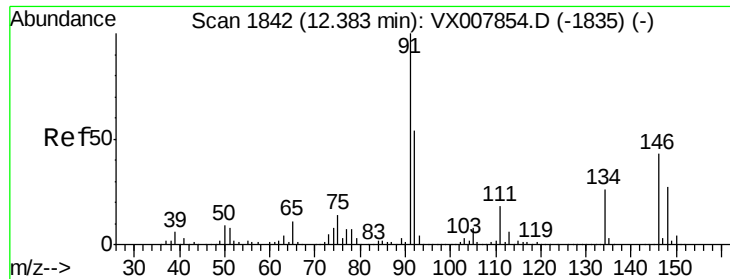
Delta R.T. 0.00 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

Tgt Ion:	146	Resp:	243430
Ion Ratio		Lower	Upper
146	100		
111	36.9	18.4	55.0
148	64.5	32.2	96.6





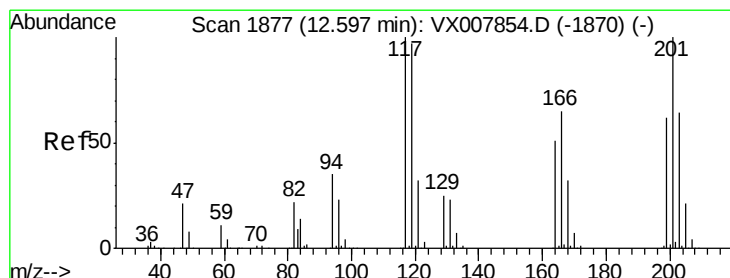
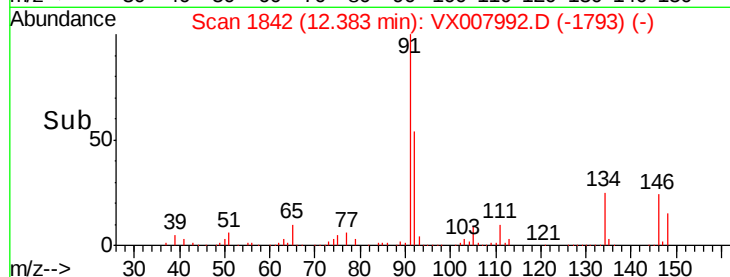
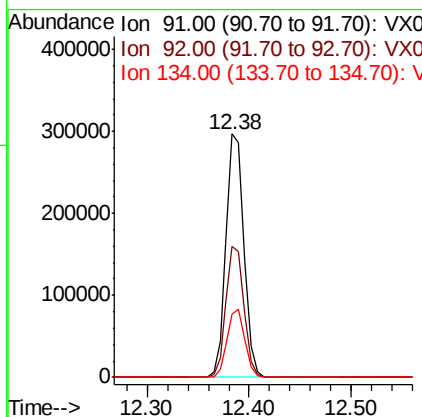
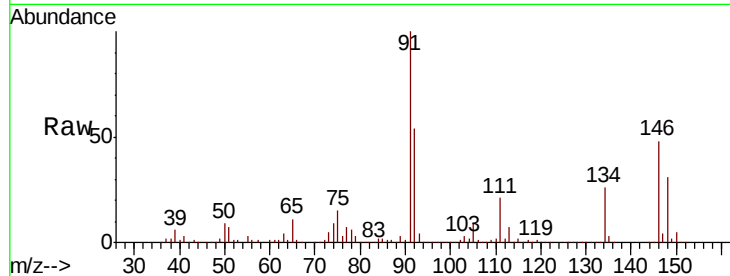
#89
n-Butylbenzene
Concen: 47.788 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.0	80.8
134	27.6	13.7	41.0

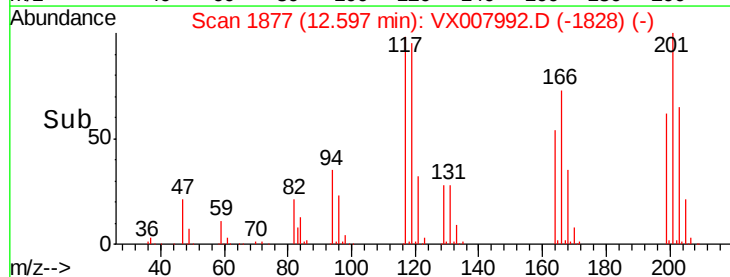
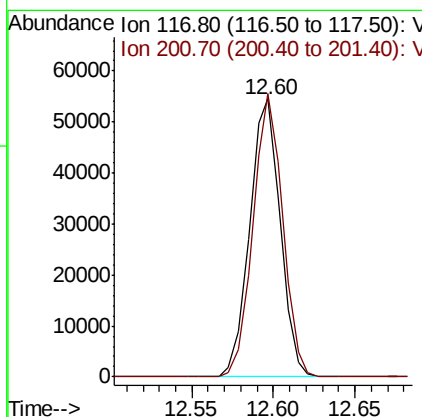
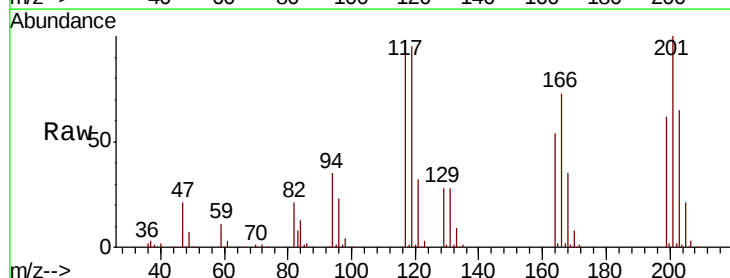
Manual Integrations
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#90
Hexachloroethane
Concen: 47.753 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007992.D
Acq: 12 Mar 2019 03:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.6	48.9	146.7





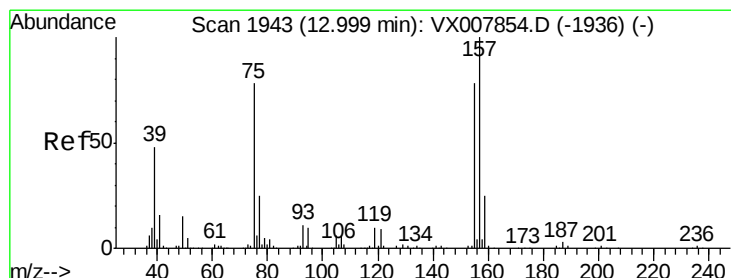
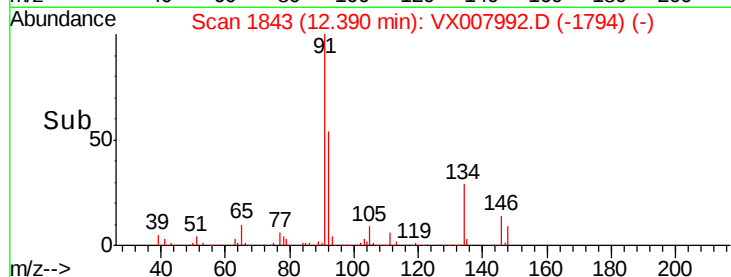
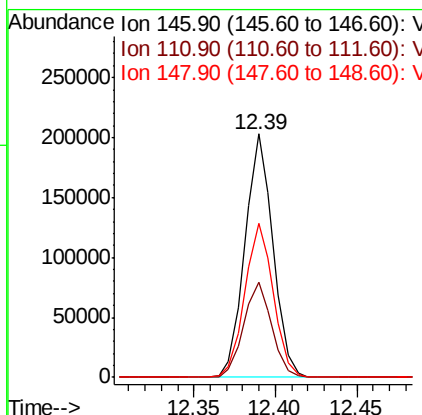
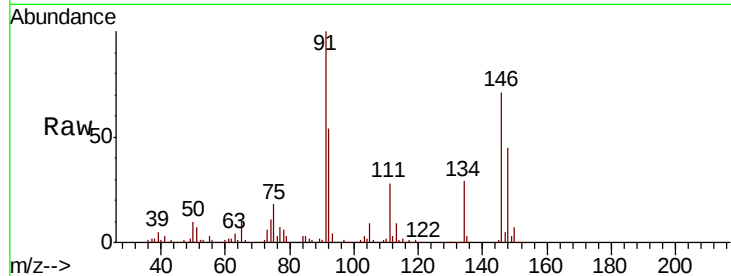
#91
 1,2-Dichlorobenzene
 Concen: 49.641 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007992.D
 Acq: 12 Mar 2019 03:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.6	58.8
148	64.3	31.9	95.5

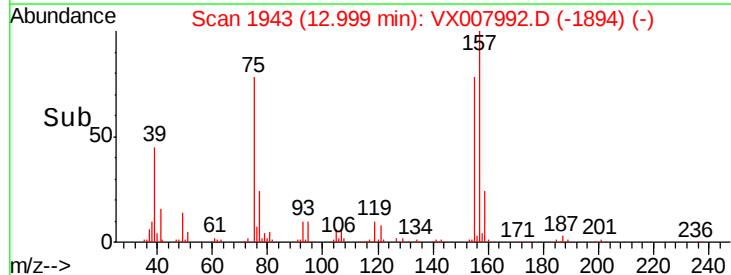
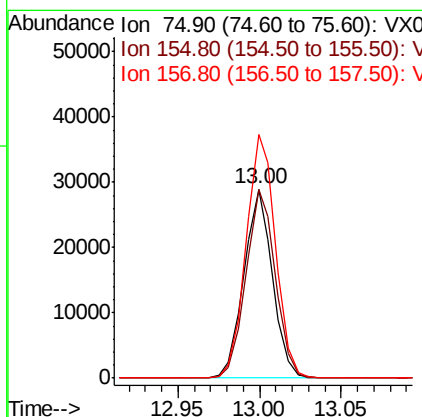
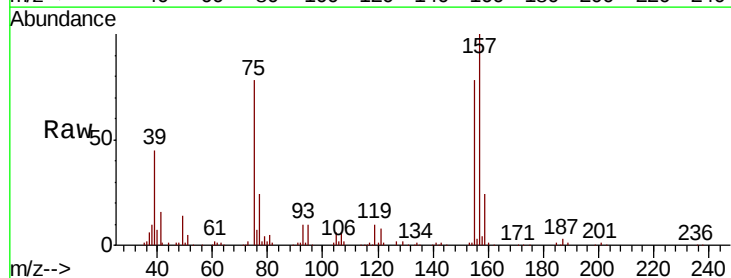
Manual Integrations
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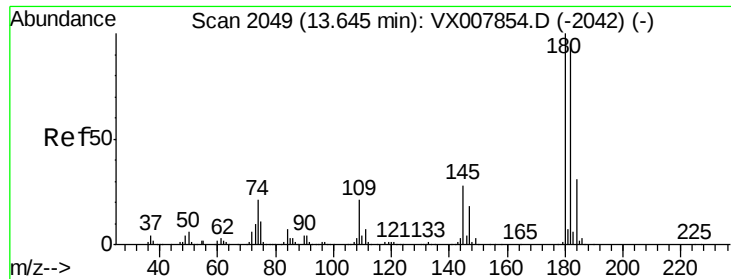
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.071 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007992.D
 Acq: 12 Mar 2019 03:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.1	49.7	149.1
157	132.9	63.8	191.4





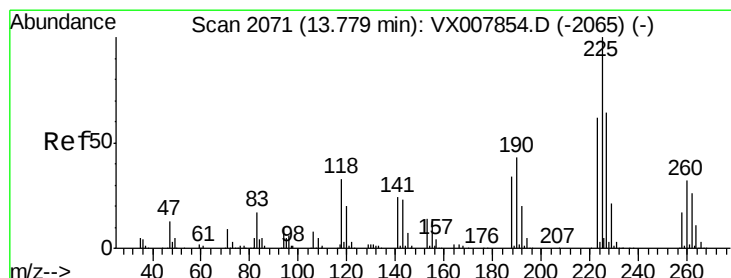
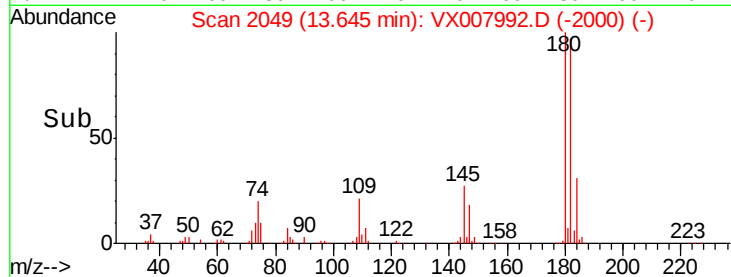
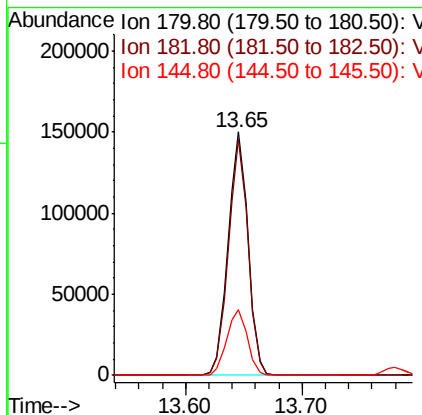
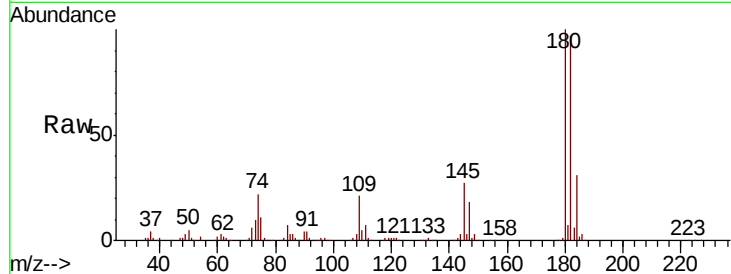
#93
 1,2,4-Trichlorobenzene
 Concen: 51.428 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007992.D
 Acq: 12 Mar 2019 03:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	177355		
182	95.7	47.9	143.7	
145	27.9	14.1	42.4	

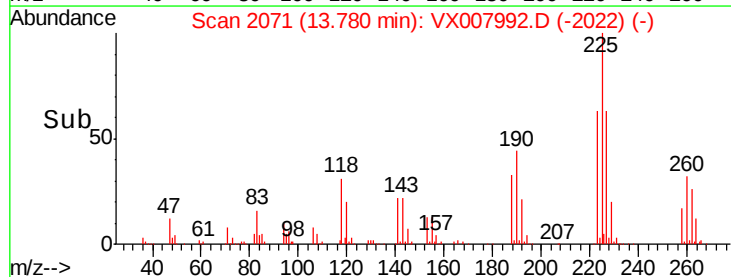
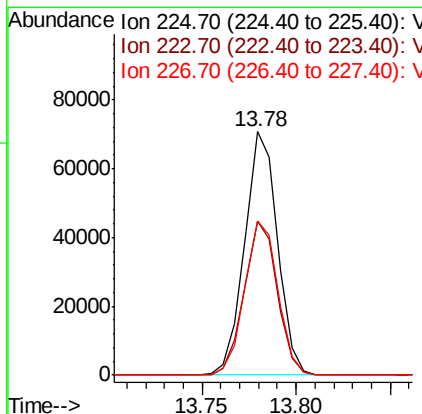
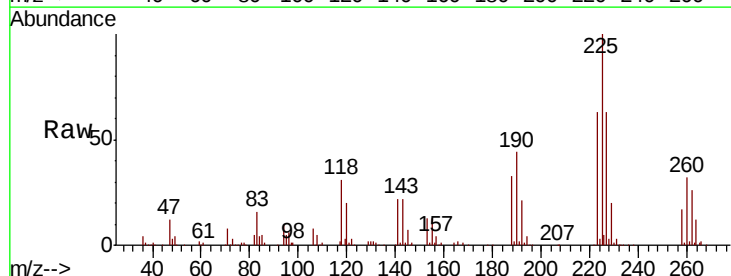
Manual Integrations
 APPROVED

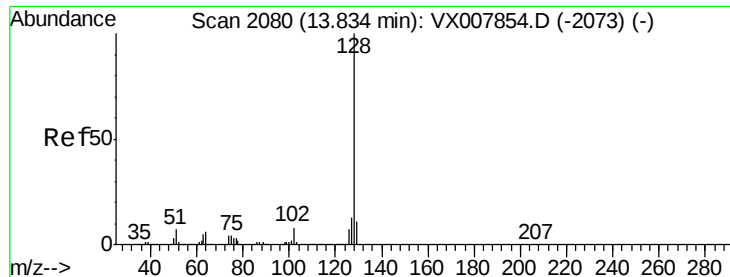
MMDadoda
 3/12/2019 3:23:55 PM



#94
 Hexachlorobutadiene
 Concen: 47.488 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007992.D
 Acq: 12 Mar 2019 03:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	85620		
223	63.2	31.1	93.2	
227	64.1	32.0	96.0	





#95

Naphthalene

Concen: 53.331 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

Instrument :

MSVOA_X

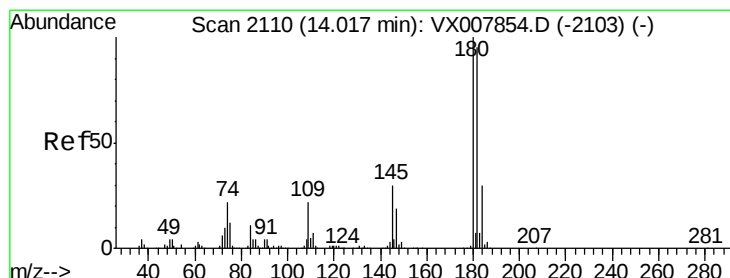
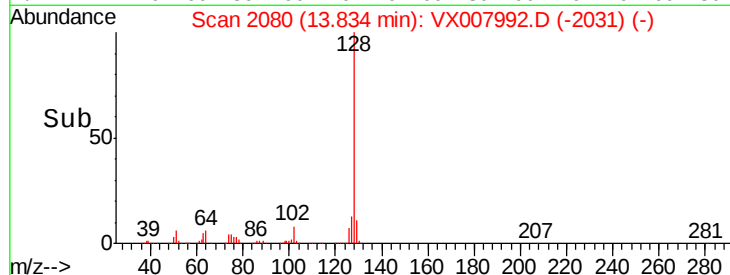
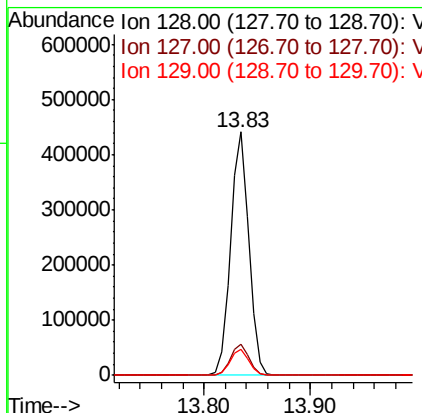
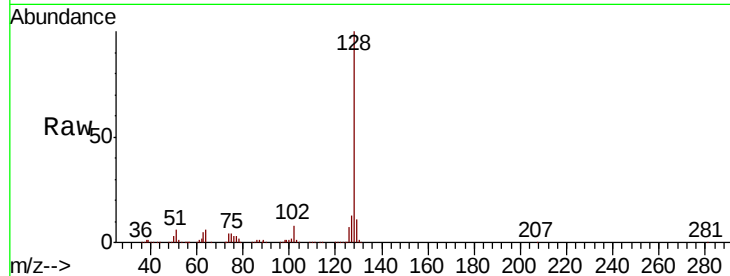
ClientSampleId :

VSTDCCC050

Tgt Ion:	128	Resp:	529921
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/12/2019 3:23:55 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.853 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007992.D

Acq: 12 Mar 2019 03:11

Tgt Ion:	180	Resp:	178136
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.5	142.5
145	30.3	14.8	44.3

