

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030719\
 Data File : VX007902.D
 Acq On : 08 Mar 2019 00:17
 Operator : JC/SP
 Sample : VX0307WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0307WBSD02

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 9:40:03 AM

Quant Time: Mar 08 07:23:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	259524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	385441	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	339740	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	165657	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	139673	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
35) Dibromofluoromethane	5.50	113	121917	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
50) Toluene-d8	8.71	98	451730	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
62) 4-Bromofluorobenzene	11.13	95	157736	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	42966	19.378	ug/l	100
3) Chloromethane	1.33	50	59084	20.678	ug/l	99
4) Vinyl Chloride	1.41	62	58084	20.458	ug/l	99
5) Bromomethane	1.64	94	29420	21.437	ug/l	98
6) Chloroethane	1.73	64	37105	19.673	ug/l	98
7) Trichlorofluoromethane	1.93	101	73653	19.925	ug/l	98
8) Diethyl Ether	2.19	74	32972	20.599	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	43599	19.033	ug/l	100
10) Methyl Iodide	2.51	142	67754	20.849	ug/l	99
11) Tert butyl alcohol	3.07	59	67371	110.039	ug/l	100
12) 1,1-Dichloroethene	2.38	96	43939	19.899	ug/l	97
13) Acrolein	2.30	56	31216	91.082	ug/l	100
14) Allyl chloride	2.73	41	90761	19.561	ug/l	100
15) Acrylonitrile	3.15	53	161170	104.292	ug/l	100
16) Acetone	2.45	43	132650	83.711	ug/l	100
17) Carbon Disulfide	2.57	76	136372	20.069	ug/l	100
18) Methyl Acetate	2.78	43	81524	24.217	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	160261	21.097	ug/l	99
20) Methylene Chloride	2.86	84	52343	20.755	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	48063	19.782	ug/l	98
22) Diisopropyl ether	3.87	45	178691	21.009	ug/l	99
23) Vinyl Acetate	3.82	43	769116	103.120	ug/l	100
24) 1,1-Dichloroethane	3.70	63	94088	20.556	ug/l	99
25) 2-Butanone	4.70	43	220077	98.100	ug/l	99
26) 2,2-Dichloropropane	4.59	77	46954	15.484	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	55916	20.113	ug/l	99
28) Bromochloromethane	5.02	49	45062	21.117	ug/l	99
29) Tetrahydrofuran	5.15	42	145697	104.117	ug/l	100
30) Chloroform	5.21	83	90764	20.963	ug/l	100
31) Cyclohexane	5.57	56	82309	19.566	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	72751	20.252	ug/l	100
36) 1,1-Dichloropropene	5.80	75	67174	19.247	ug/l	98
37) Ethyl Acetate	4.85	43	83727	20.216	ug/l	100
38) Carbon Tetrachloride	5.78	117	63523	19.172	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	78196	18.490	ug/l	99
40) Benzene	6.14	78	209522	20.165	ug/l	99
41) Methacrylonitrile	5.06	41	45765	20.268	ug/l	97
42) 1,2-Dichloroethane	6.20	62	69412	20.428	ug/l	100
43) Isopropyl Acetate	6.46	43	124453	20.304	ug/l	100
44) Trichloroethene	7.21	130	55591	19.415	ug/l	100
45) 1,2-Dichloropropane	7.51	63	56325	20.525	ug/l	99
46) Dibromomethane	7.66	93	35384	20.374	ug/l	99
47) Bromodichloromethane	7.90	83	65431	19.872	ug/l	97
48) Methyl methacrylate	7.77	41	66287	20.569	ug/l	99
49) 1,4-Dioxane	7.75	88	26620	402.112	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	418434	106.150	ug/l	100
52) Toluene	8.79	92	127751	20.139	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	65410	19.033	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	76034	19.592	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	53613	20.878	ug/l	99
56) Ethyl methacrylate	9.18	69	82253	21.334	ug/l	99
57) 1,3-Dichloropropane	9.37	76	89540	20.767	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	218050	109.331	ug/l	100
59) 2-Hexanone	9.49	43	314502	102.764	ug/l	99
60) Dibromochloromethane	9.58	129	54795	20.415	ug/l	99
61) 1,2-Dibromoethane	9.67	107	56124	20.585	ug/l	100
64) Tetrachloroethene	9.34	164	51419	18.263	ug/l	97
65) Chlorobenzene	10.13	112	138835	19.529	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	50631	19.871	ug/l	99
67) Ethyl Benzene	10.25	91	233256	19.932	ug/l	100
68) m/p-Xylenes	10.36	106	179079	39.700	ug/l	99
69) o-Xylene	10.69	106	87153	20.013	ug/l	100
70) Styrene	10.71	104	143843	20.185	ug/l	100
71) Bromoform	10.85	173	42863	19.589	ug/l #	100
73) Isopropylbenzene	11.02	105	231907	20.699	ug/l	100
74) N-amyl acetate	10.90	43	107955	21.107	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	81693	21.139	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	76950m	22.136	ug/l	
77) Bromobenzene	11.26	156	62907	20.480	ug/l	100
78) n-propylbenzene	11.36	91	255881	20.587	ug/l	100
79) 2-Chlorotoluene	11.42	91	156189	20.553	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	190555	20.665	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19536	17.964	ug/l	92
82) 4-Chlorotoluene	11.51	91	176952	20.318	ug/l	99
83) tert-Butylbenzene	11.77	119	192096	20.681	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	195175	20.647	ug/l	100
85) sec-Butylbenzene	11.94	105	224125	20.488	ug/l	99
86) p-Isopropyltoluene	12.06	119	201064	20.523	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	107404	19.765	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	107836	19.377	ug/l	99
89) n-Butylbenzene	12.38	91	162600	19.590	ug/l	98
90) Hexachloroethane	12.60	117	32723	19.977	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	107746	19.959	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16095	19.928	ug/l	99

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ClientSampleId :
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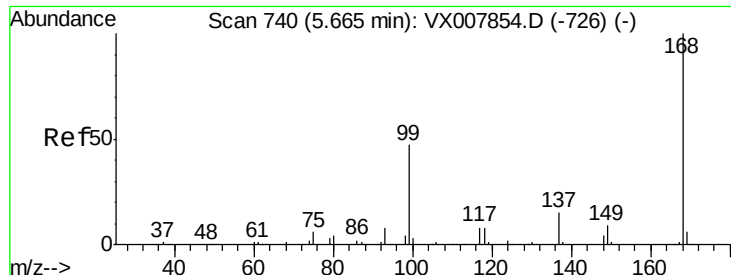
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	73016	19.253	ug/l	99
94) Hexachlorobutadiene	13.78	225	39136	19.738	ug/l	100
95) Naphthalene	13.83	128	219753	20.111	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	74205	19.642	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBSD02

Tot Ion:168 Resp: 259524

Ion Ratio Lower Upper

168 100

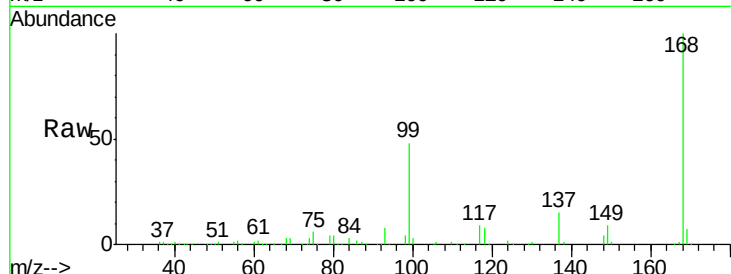
99 47.5 37.6 56.4

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

5.67

100000

80000

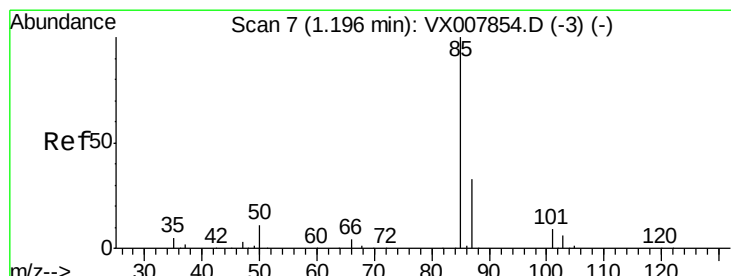
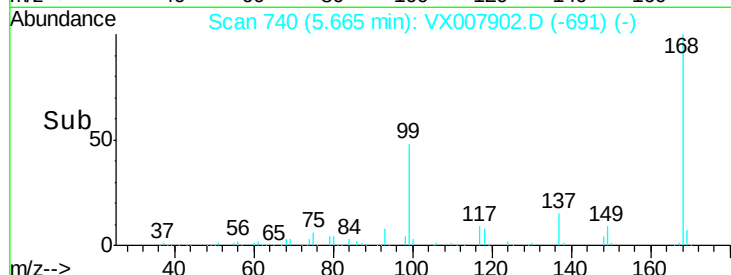
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.378 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007902.D

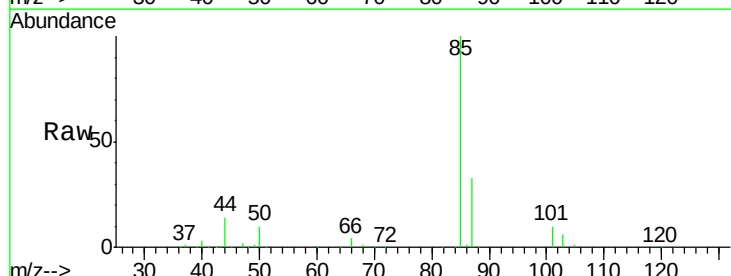
Acq: 08 Mar 2019 00:17

Tgt Ion: 85 Resp: 42966

Ion Ratio Lower Upper

85 100

87 32.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

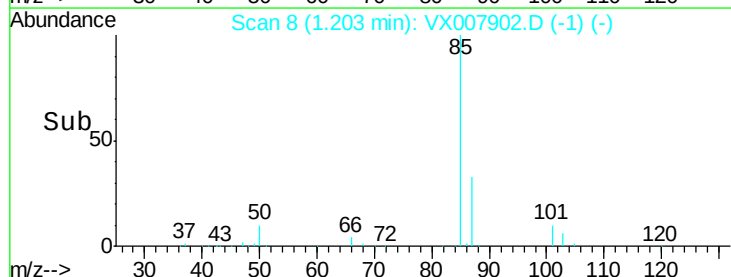
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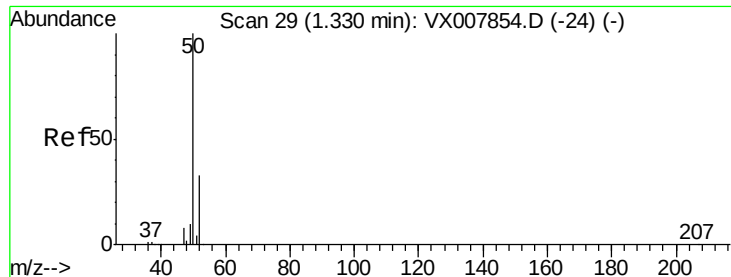
20000

10000

0

Time-->





#3

Chloromethane

Concen: 20.678 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBSD02

Tot Ion: 50 Resp: 59084

Ion Ratio Lower Upper

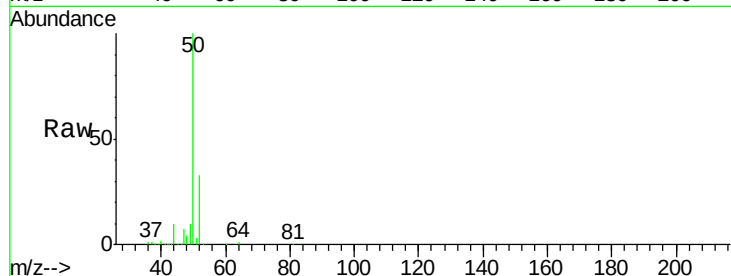
50 100

52 32.6 26.5 39.7

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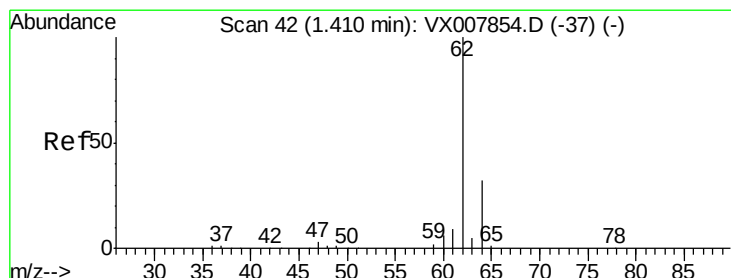
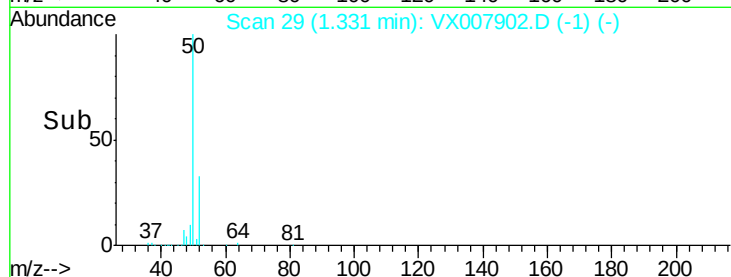
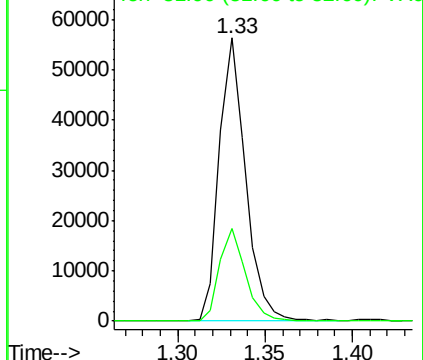
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.458 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007902.D

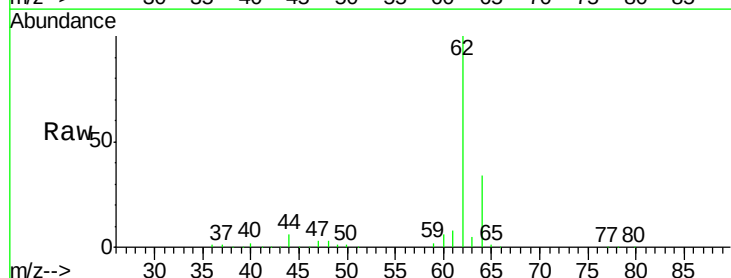
Acq: 08 Mar 2019 00:17

Tgt Ion: 62 Resp: 58084

Ion Ratio Lower Upper

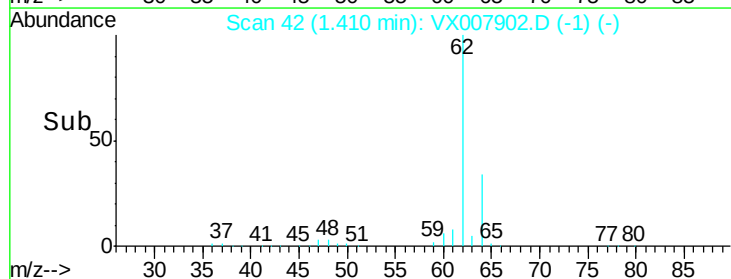
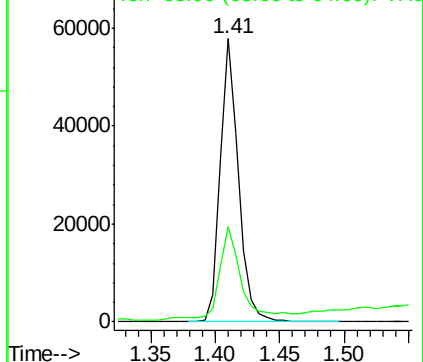
62 100

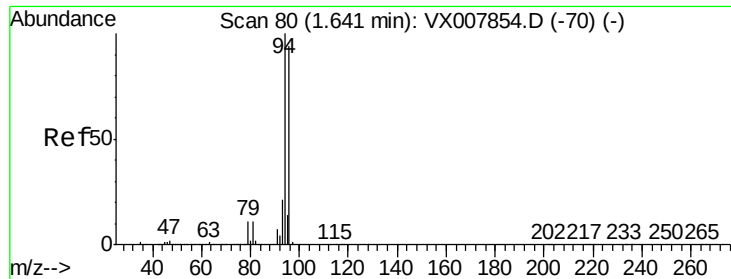
64 32.3 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.437 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBSD02

Tot Ion: 94 Resp: 29420

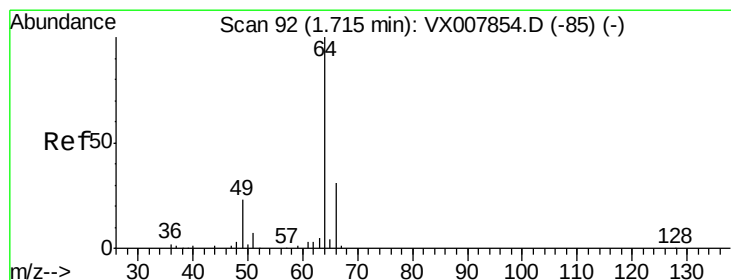
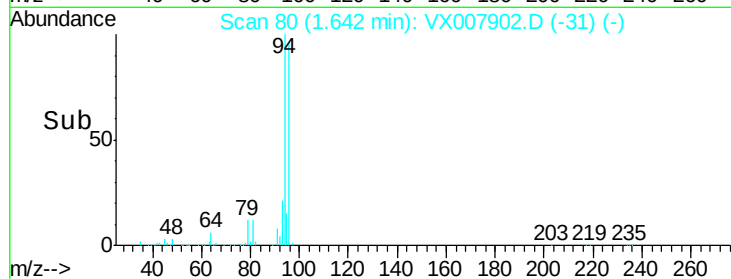
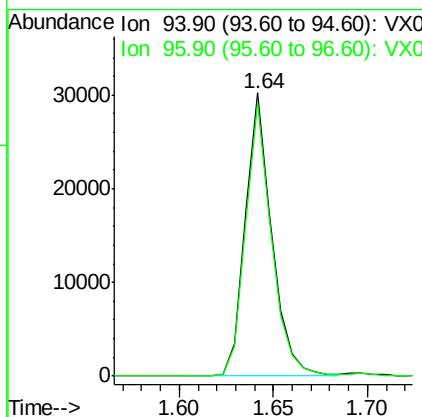
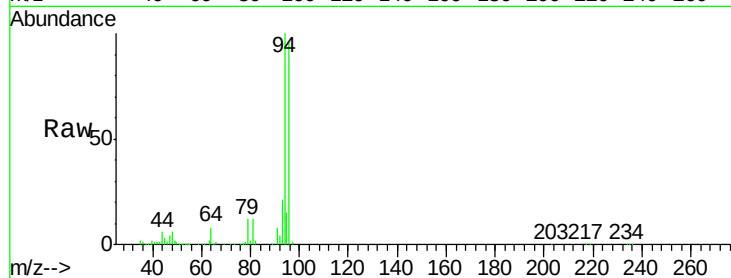
Ion Ratio Lower Upper

94 100

96 96.3 75.5 113.3

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#6

Chloroethane

Concen: 19.673 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007902.D

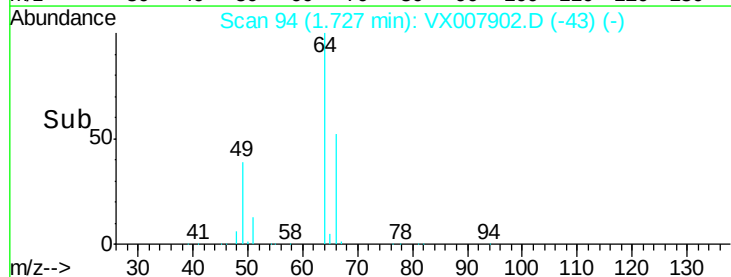
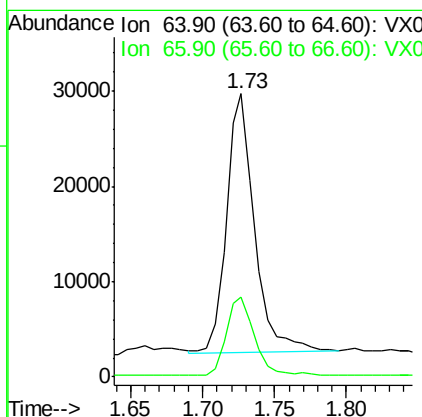
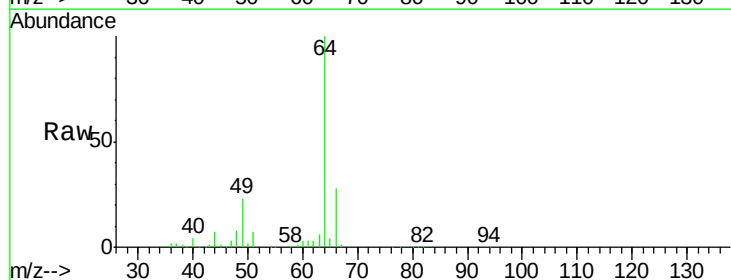
Acq: 08 Mar 2019 00:17

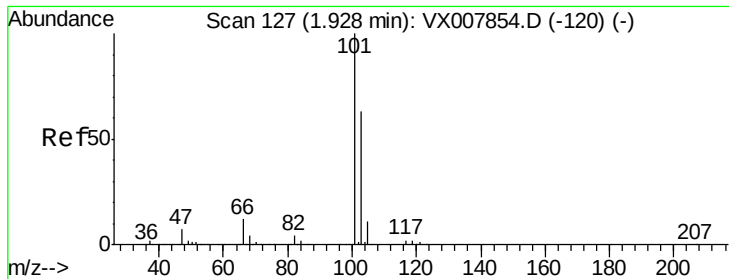
Tgt Ion: 64 Resp: 37105

Ion Ratio Lower Upper

64 100

66 30.6 25.2 37.8





#7

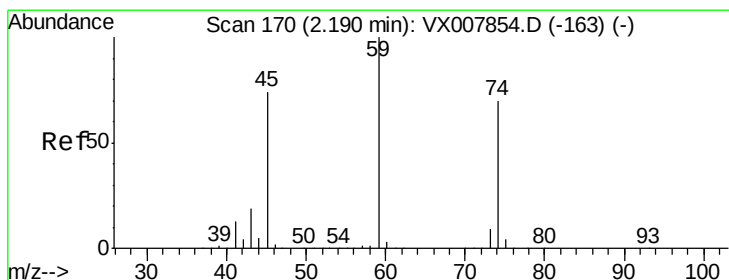
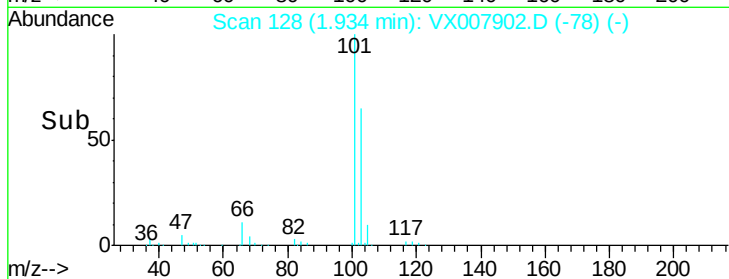
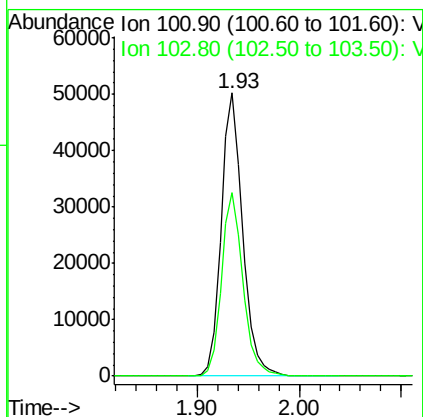
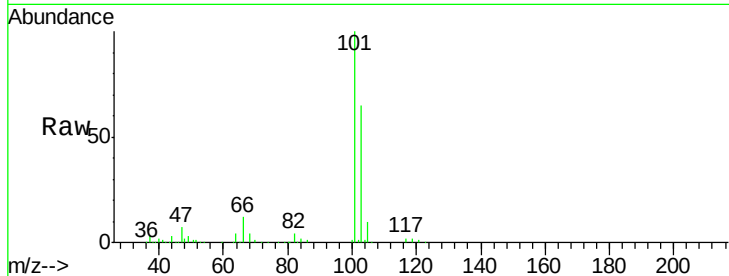
Trichlorofluoromethane
Concen: 19.925 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0307WBSD02

Tot Ion:101 Resp: 73653
Ion Ratio Lower Upper
101 100
103 64.8 50.4 75.6

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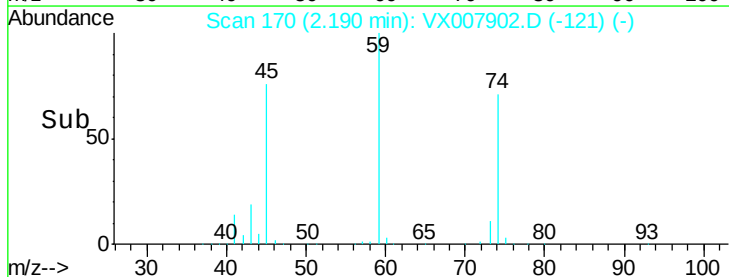
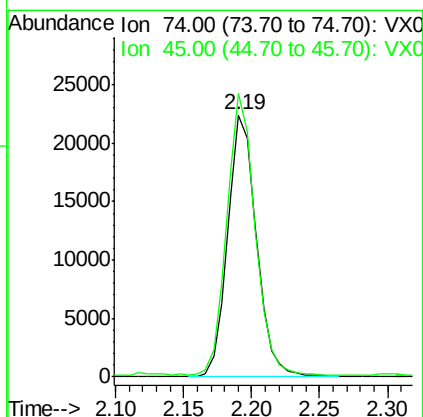
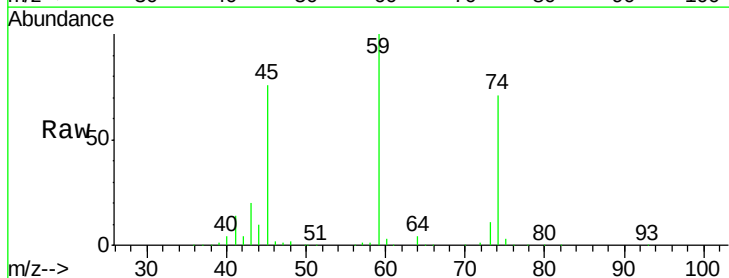
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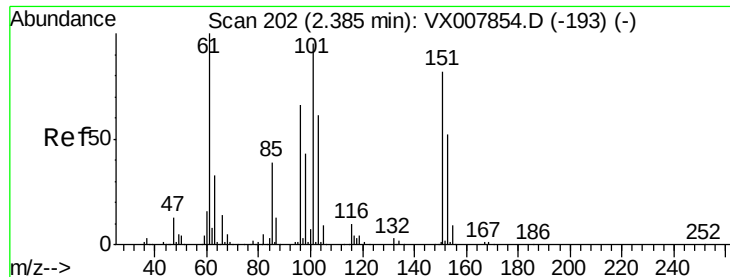


#8

Diethyl Ether
Concen: 20.599 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Tgt Ion: 74 Resp: 32972
Ion Ratio Lower Upper
74 100
45 106.1 52.1 156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.033 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Instrument :

MSVOA_X

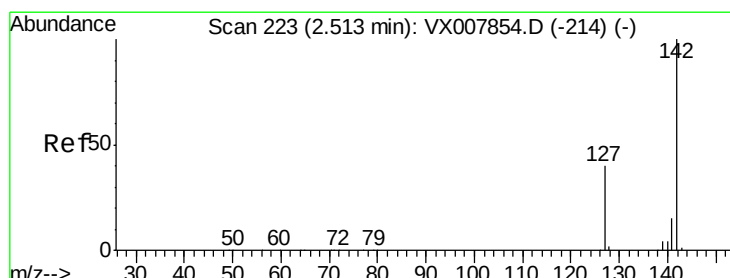
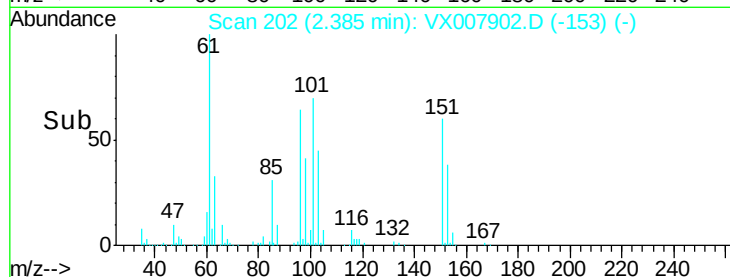
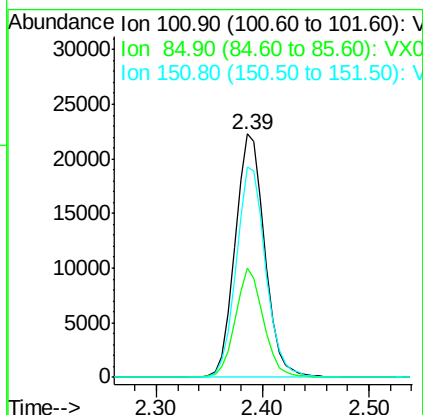
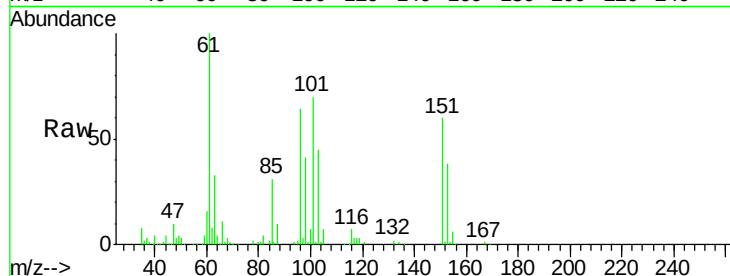
ClientSampleId :

VX0307WBSD02

Tot Ion:	101	Resp:	43599
Ion Ratio	Lower	Upper	
101	100		
85	42.5	33.8	50.6
151	86.1	69.1	103.7

Manual Integrations
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#10

Methyl Iodide

Concen: 20.849 ug/l

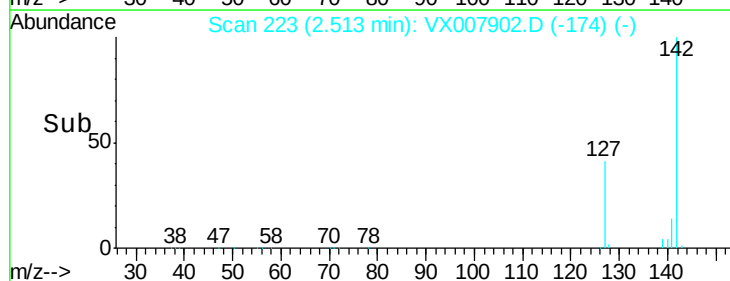
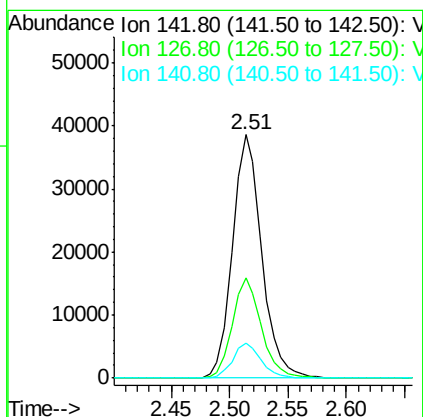
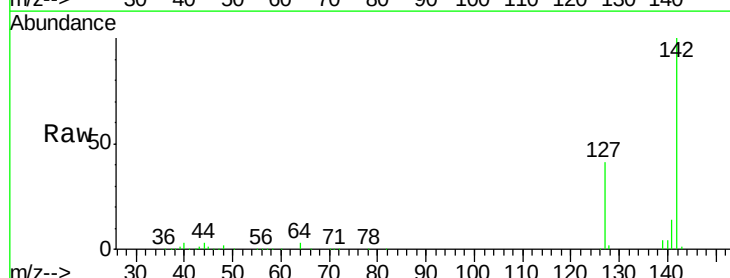
RT: 2.51 min Scan# 223

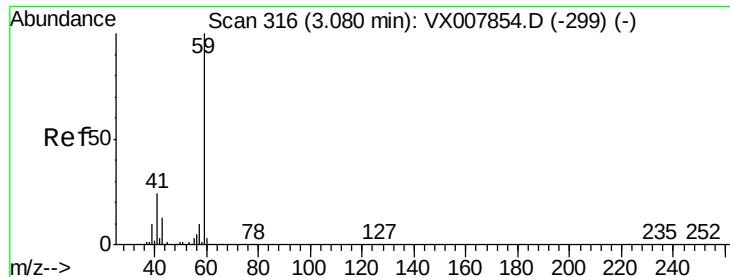
Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Tgt Ion:	142	Resp:	67754
Ion Ratio	Lower	Upper	
142	100		
127	40.6	32.1	48.1
141	14.0	11.4	17.2





#11

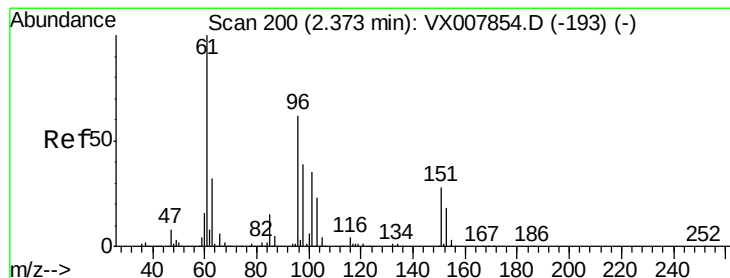
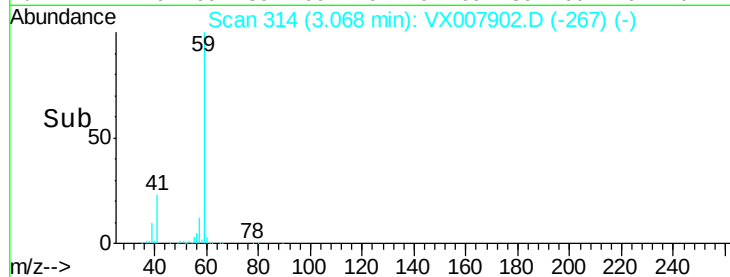
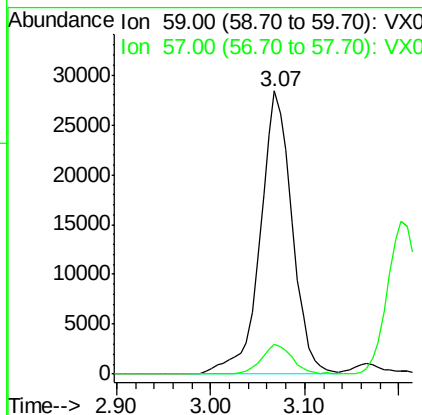
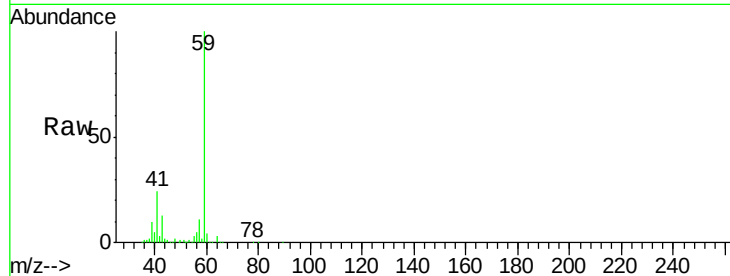
Tert butyl alcohol
 Concen: 110.039 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX007902.D
 Acq: 08 Mar 2019 00:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0307WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

Manual Integrations
 APPROVED

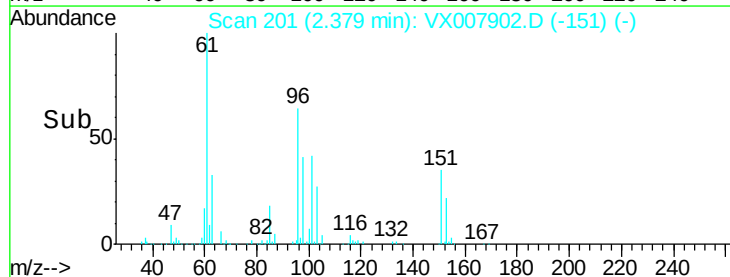
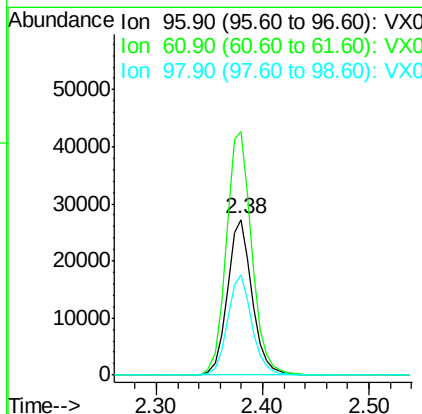
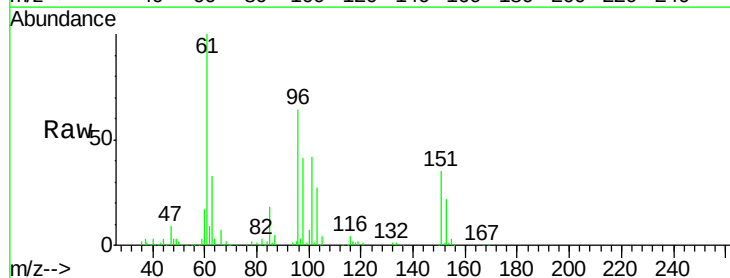
MMDadoda
 3/8/2019 9:40:03 AM

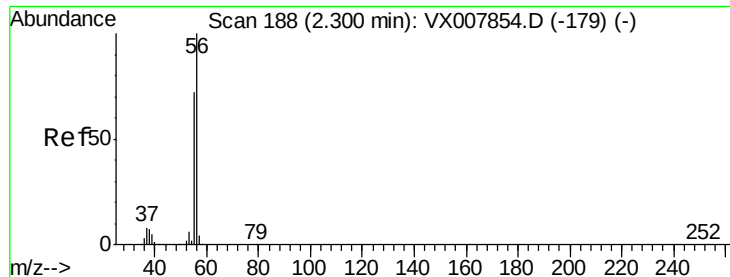


#12

1,1-Dichloroethene
 Concen: 19.899 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX007902.D
 Acq: 08 Mar 2019 00:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.8	129.8	194.6
98	64.3	51.0	76.6





#13

Acrolein

Concen: 91.082 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBSD02

Tot Ion: 56 Resp: 31216

Ion Ratio Lower Upper

56 100

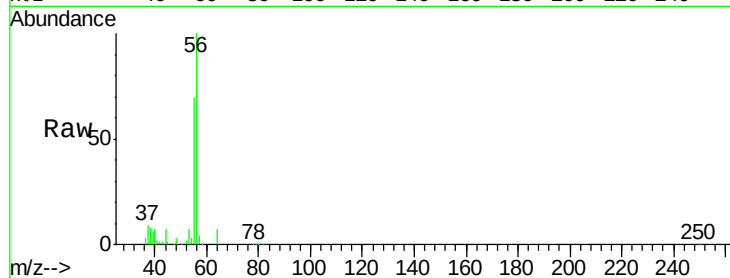
55 72.5 57.8 86.6

Manual Integrations

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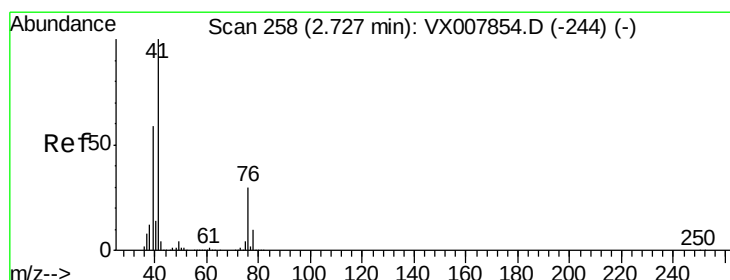
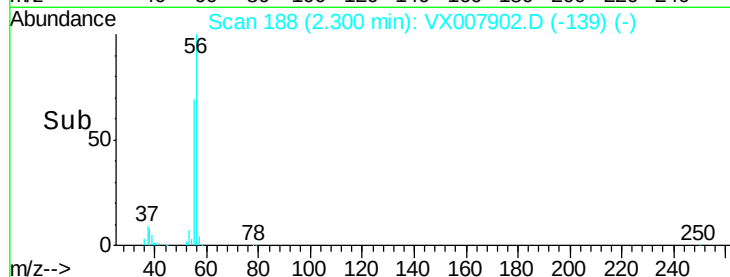
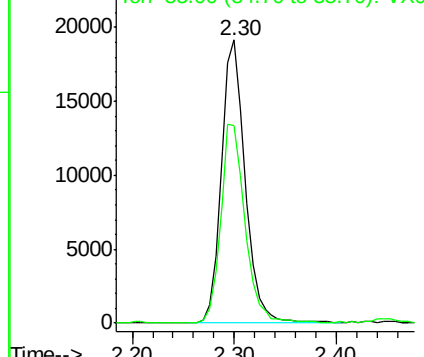
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.561 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

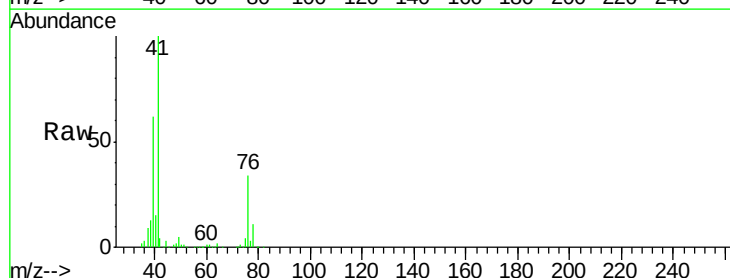
Tgt Ion: 41 Resp: 90761

Ion Ratio Lower Upper

41 100

39 57.5 46.1 69.1

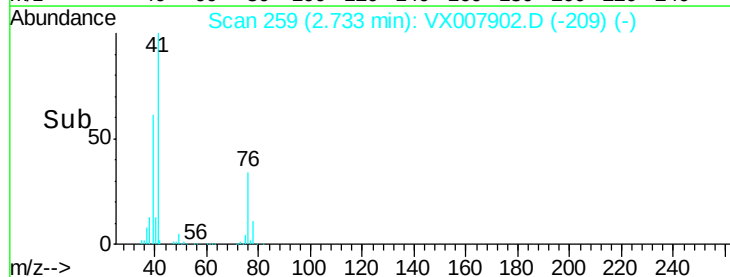
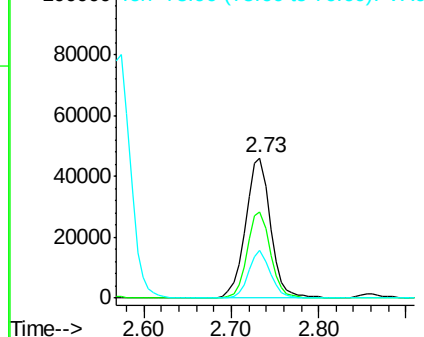
76 29.7 24.0 36.0

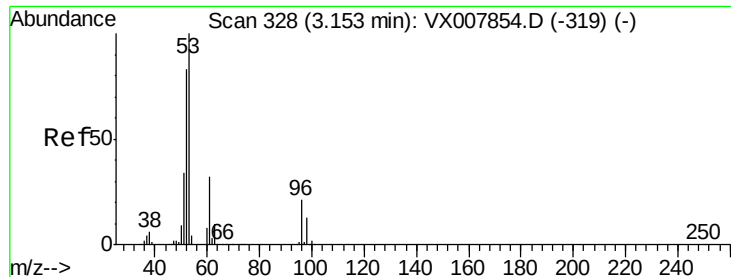


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 104.292 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Instrument :

MSVOA_X

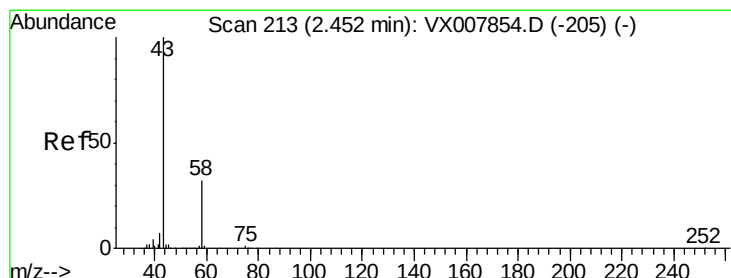
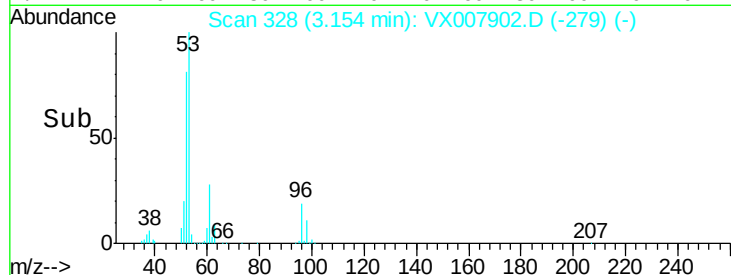
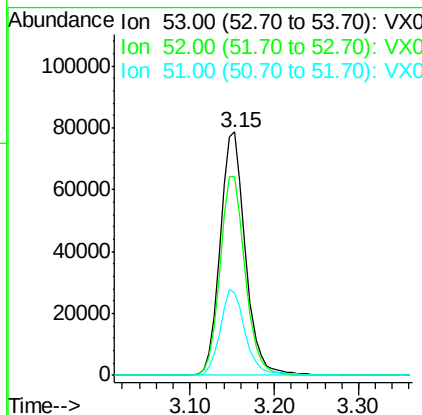
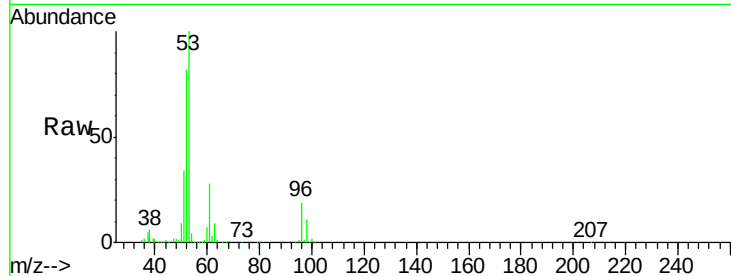
ClientSampleID :

VX0307WBSD02

Tot Ion:	53	Resp:	161170
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.0	99.0
51	35.0	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 83.711 ug/l

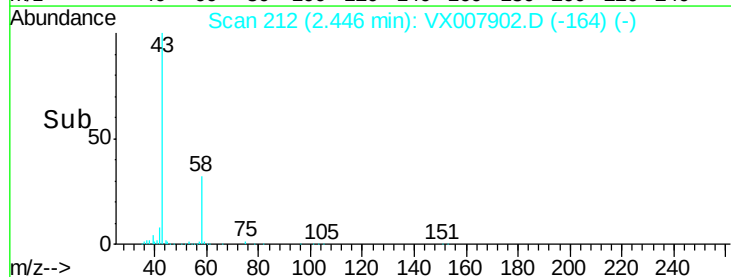
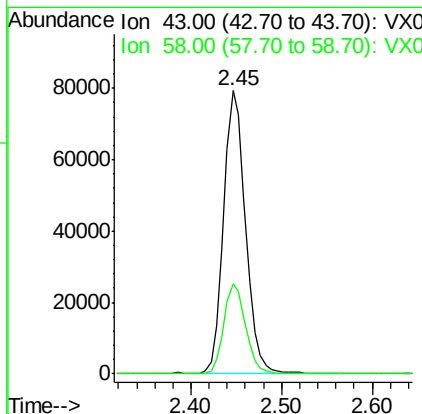
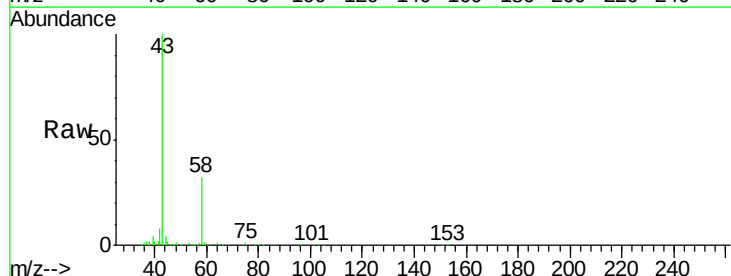
RT: 2.45 min Scan# 212

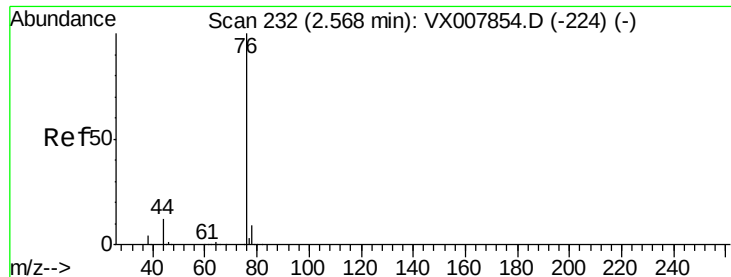
Delta R.T. -0.01 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Tgt Ion:	43	Resp:	132650
Ion Ratio	Lower	Upper	
43	100		
58	31.9	25.5	38.3





#17

Carbon Disulfide

Concen: 20.069 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBSD02

Tot Ion: 76 Resp: 136372

Ion Ratio Lower Upper

76 100

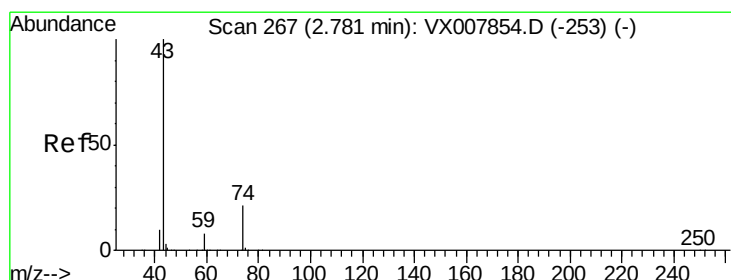
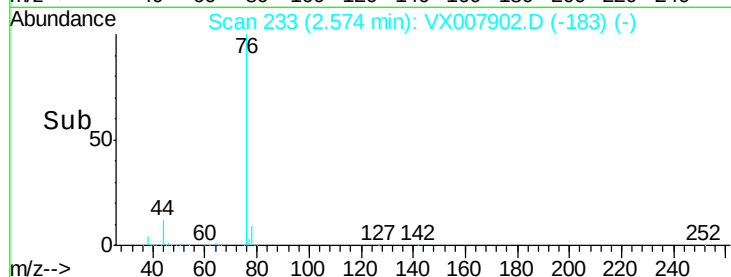
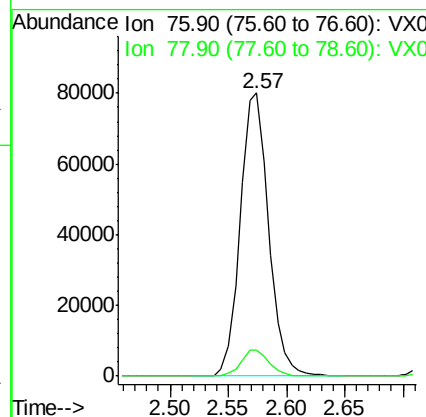
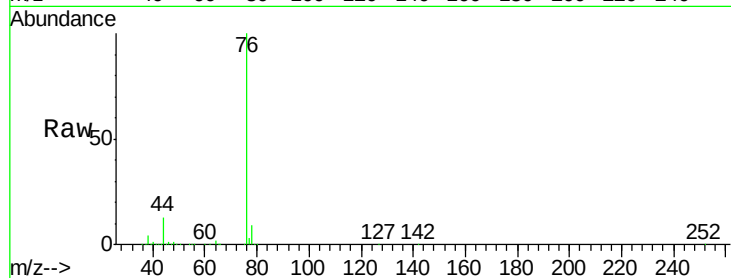
78 9.1 7.2 10.8

Manual Integrations

APPROVED

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3/8/2019 9:40:03 AM



#18

Methyl Acetate

Concen: 24.217 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX007902.D

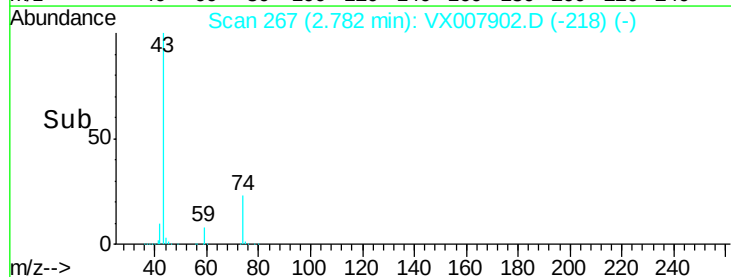
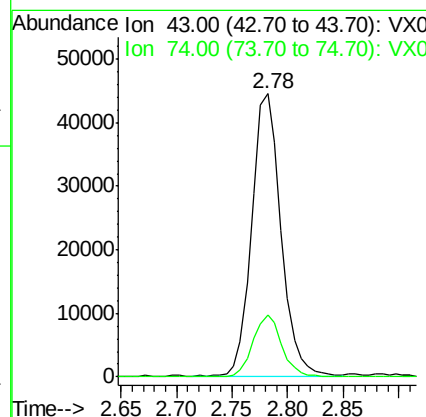
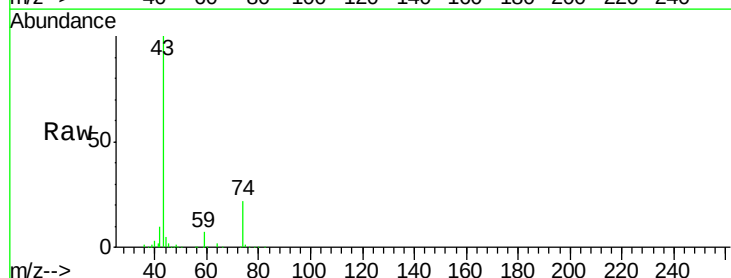
Acq: 08 Mar 2019 00:17

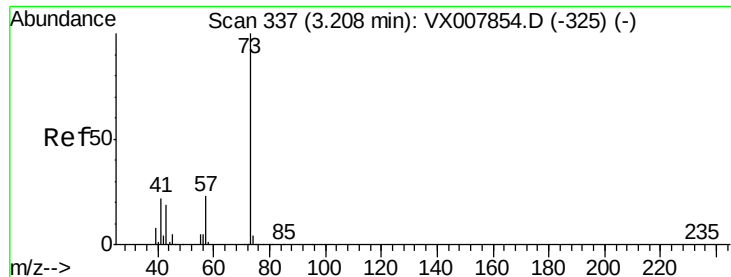
Tgt Ion: 43 Resp: 81524

Ion Ratio Lower Upper

43 100

74 22.0 17.8 26.6





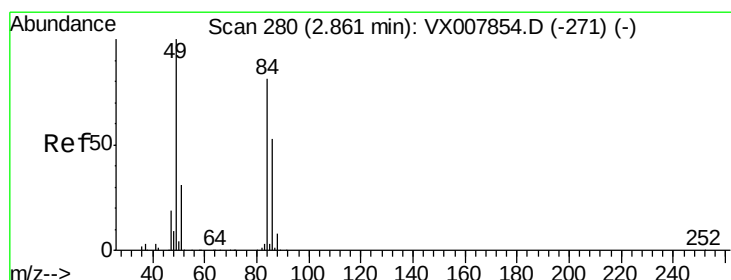
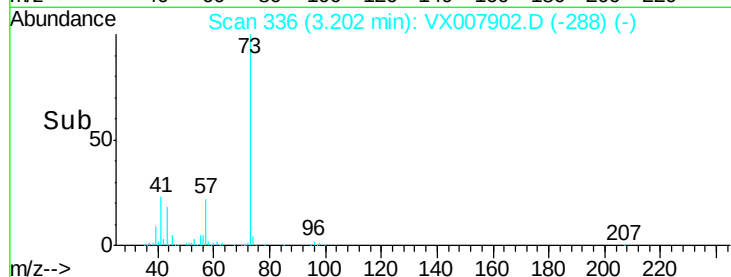
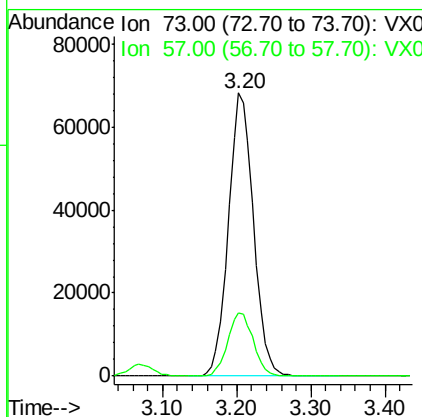
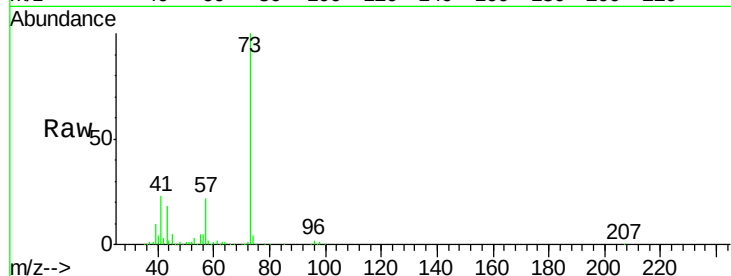
#19
Methyl tert-butyl Ether
Concen: 21.097 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0307WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.2	27.4

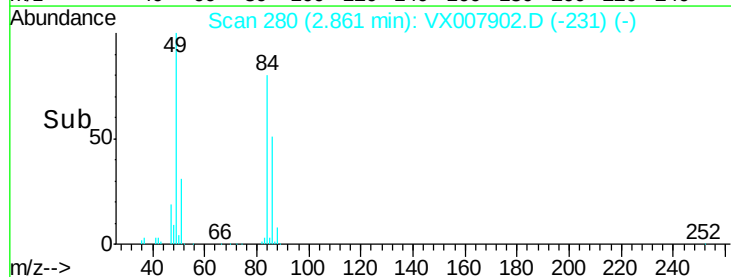
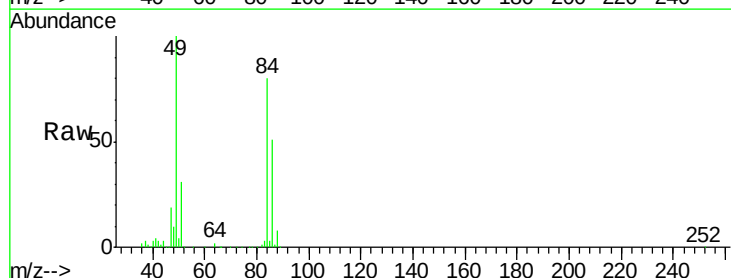
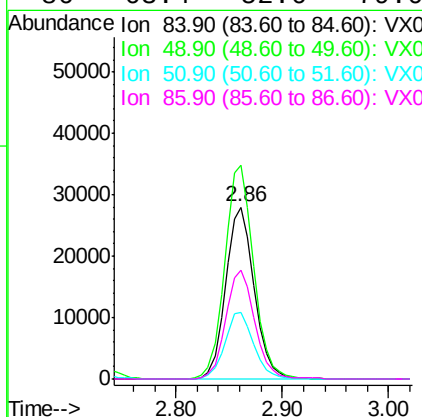
Manual Integrations
APPROVED

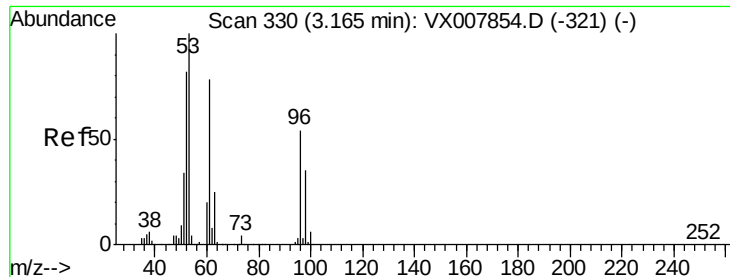
MMDadoda
3/8/2019 9:40:03 AM



#20
Methylene Chloride
Concen: 20.755 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.4	99.3	148.9
51	38.4	31.3	46.9
86	63.4	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 19.782 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Instrument :

MSVOA_X

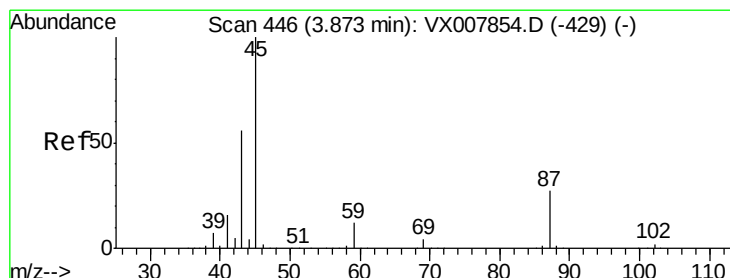
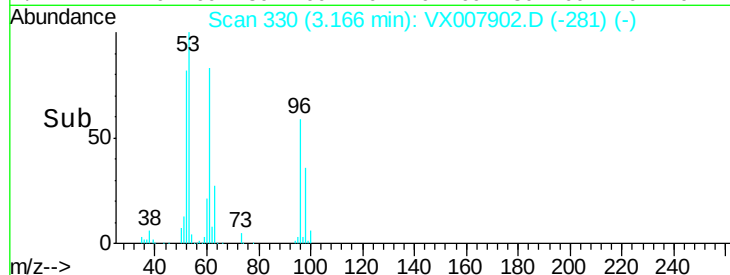
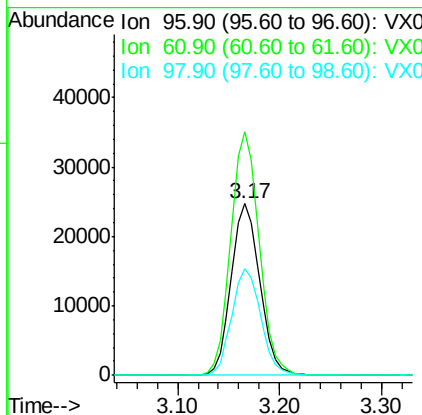
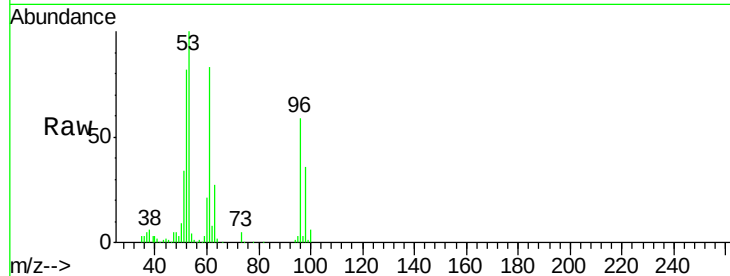
ClientSampleId :

VX0307WBSD02

Tot Ion:	96	Resp:	48063
Ion	Ratio	Lower	Upper
96	100		
61	141.7	114.4	171.6
98	62.0	51.1	76.7

Manual Integrations
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3/8/2019 9:40:03 AM



#22

Diisopropyl ether

Concen: 21.009 ug/l

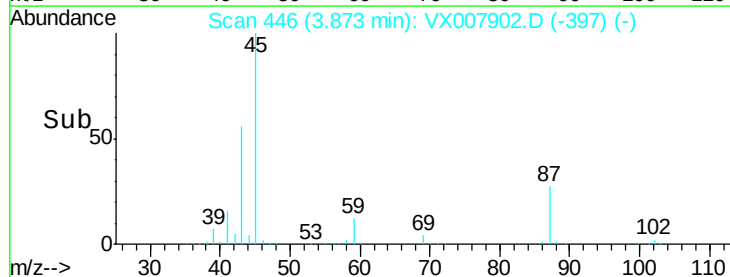
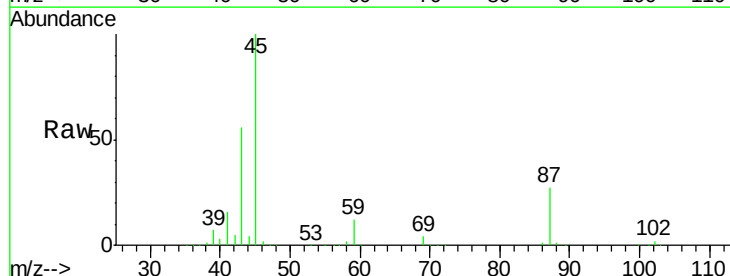
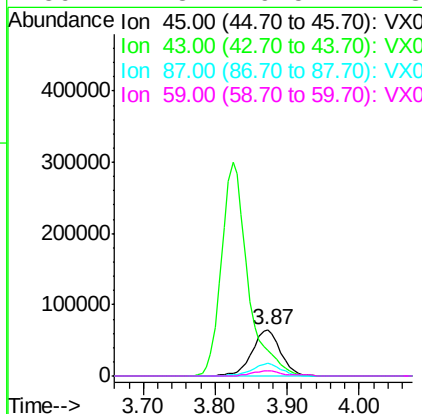
RT: 3.87 min Scan# 446

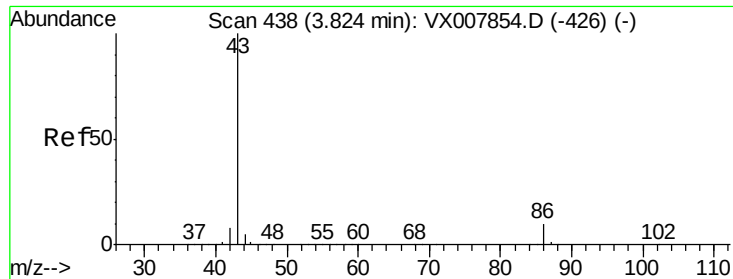
Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Tgt Ion:	45	Resp:	178691
Ion	Ratio	Lower	Upper
45	100		
43	56.3	45.3	67.9
87	27.2	21.4	32.0
59	11.8	9.5	14.3





#23

Vinyl Acetate

Concen: 103.120 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBSD02

Tot Ion: 43 Resp: 769116

Ion Ratio Lower Upper

43 100

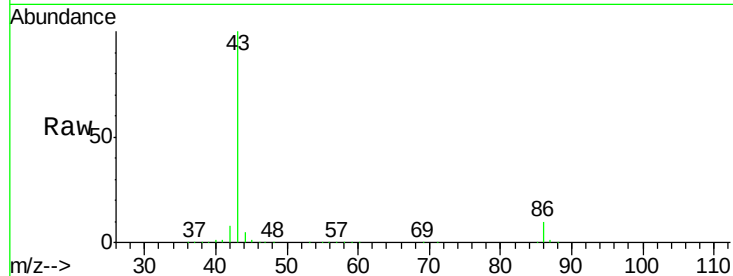
86 9.9 7.9 11.9

Manual Integrations

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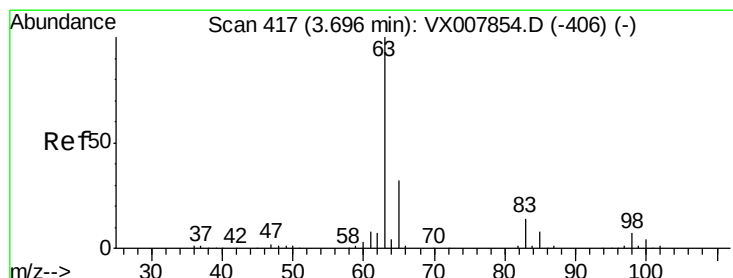
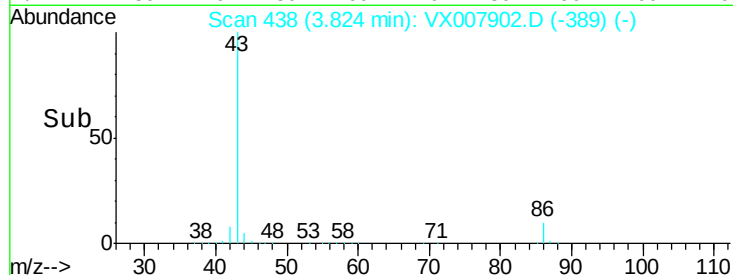
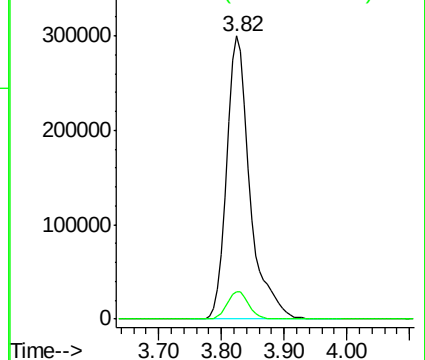
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.556 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

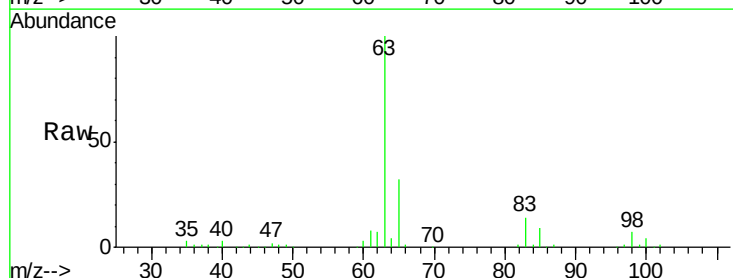
Tgt Ion: 63 Resp: 94088

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

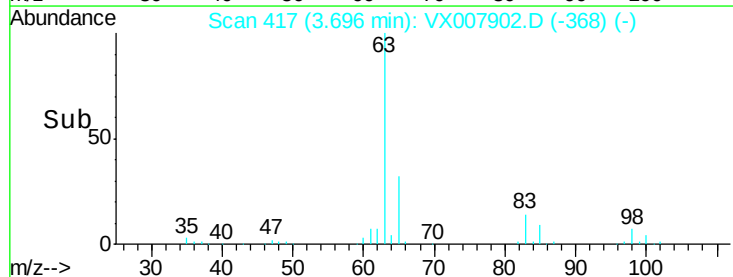
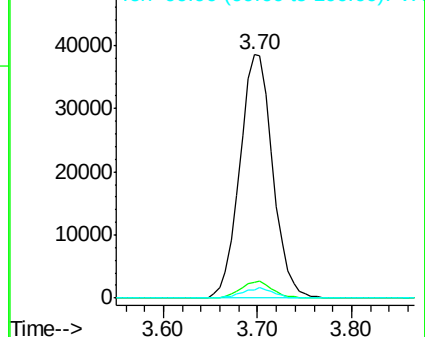
100 3.6 2.3 6.8

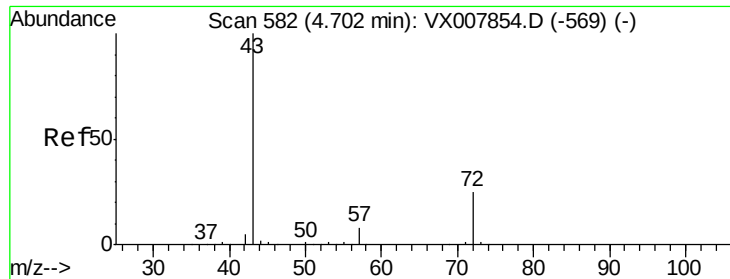


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 98.100 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBSD02

Tot Ion: 43 Resp: 220077

Ion Ratio Lower Upper

43 100

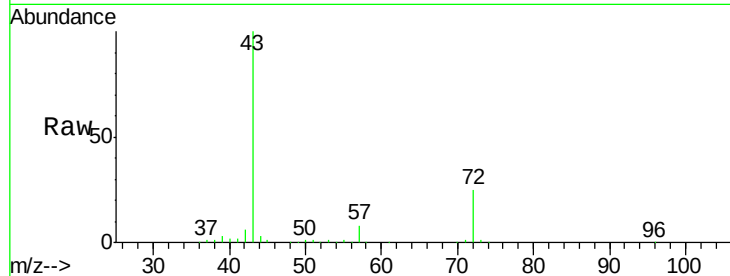
72 24.6 19.9 29.9

Manual Integrations

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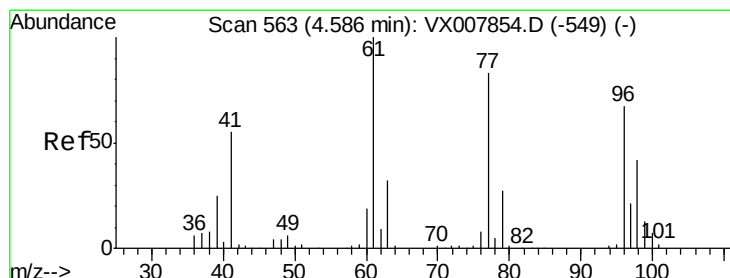
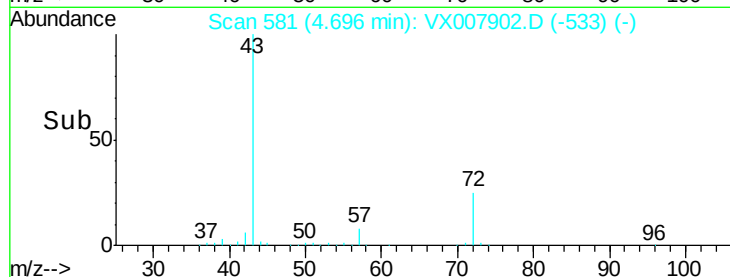
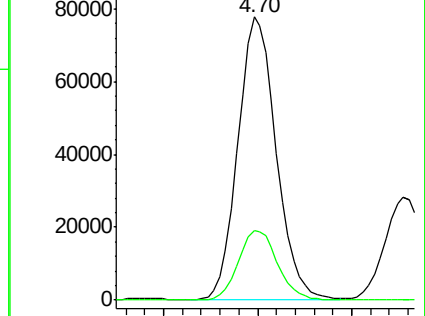
MMDadoda

3/8/2019 9:40:03 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 15.484 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007902.D

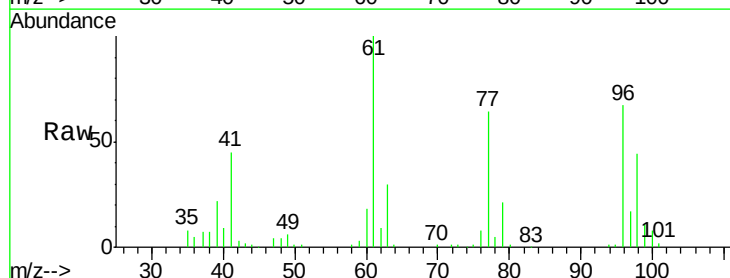
Acq: 08 Mar 2019 00:17

Tgt Ion: 77 Resp: 46954

Ion Ratio Lower Upper

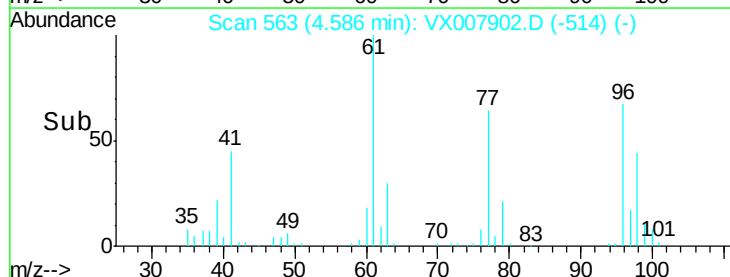
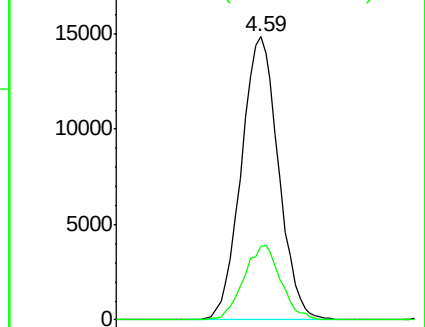
77 100

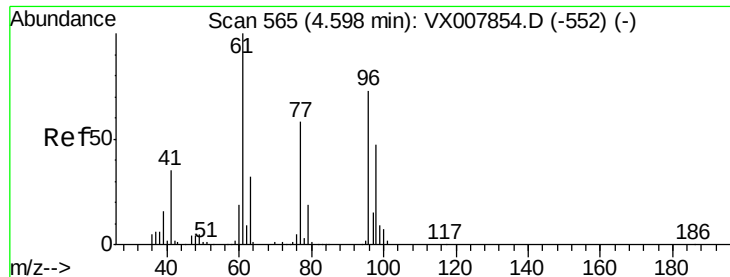
97 26.1 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

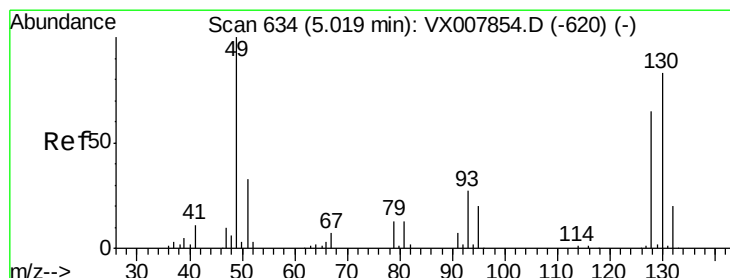
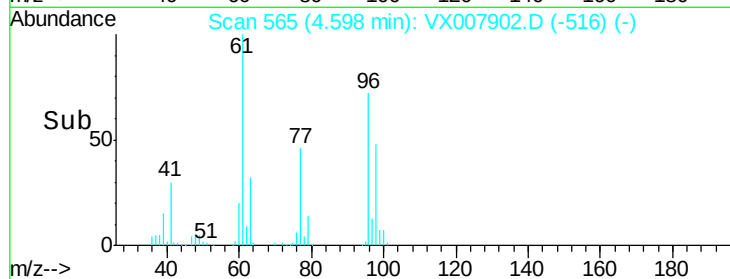
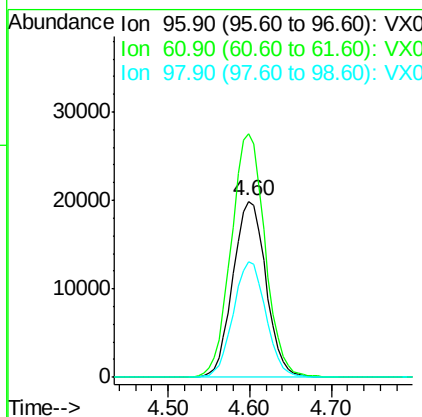
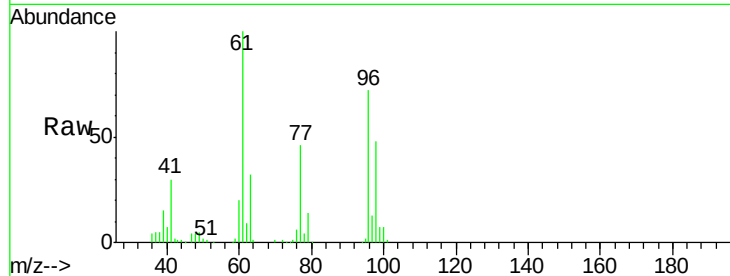
cis-1,2-Dichloroethene
Concen: 20.113 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0307WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.8	0.0	288.0	
98	64.8	0.0	129.0	

Manual Integrations
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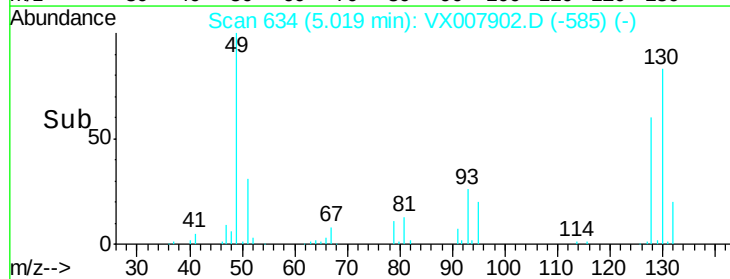
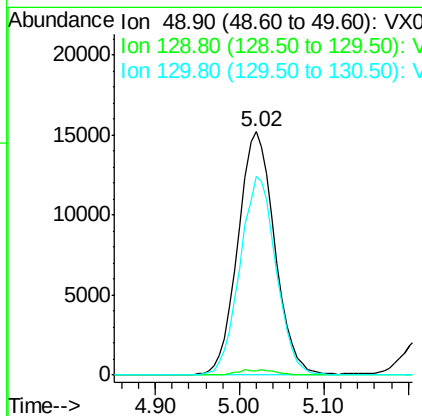
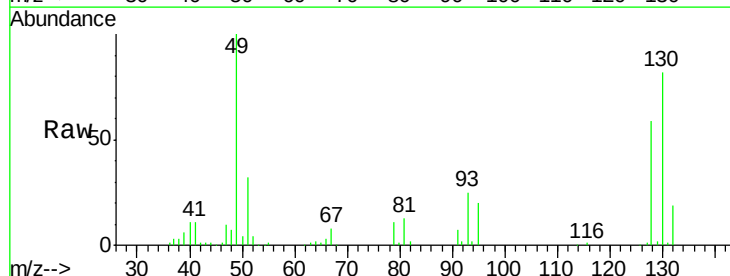
MMDadoda
3/8/2019 9:40:03 AM

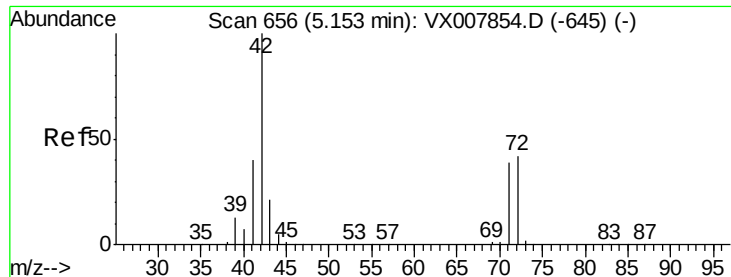


#28

Bromochloromethane
Concen: 21.117 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.1	0.0	4.0	
130	80.2	65.0	97.4	





#29

Tetrahydrofuran

Concen: 104.117 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Instrument :

MSVOA_X

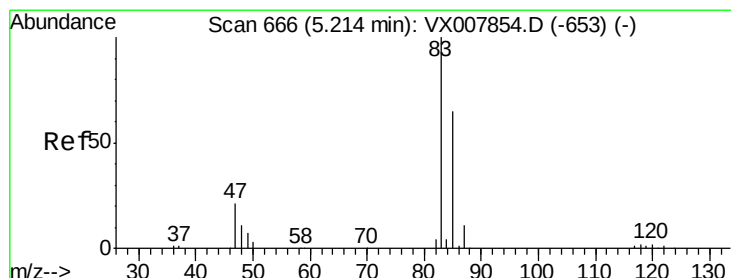
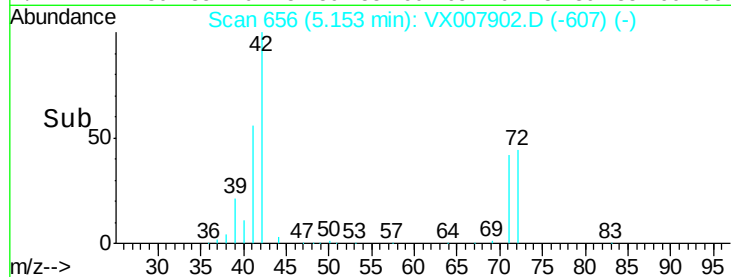
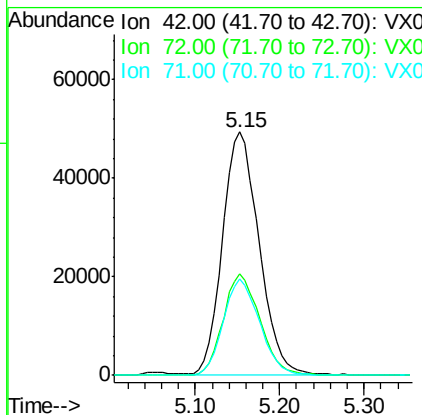
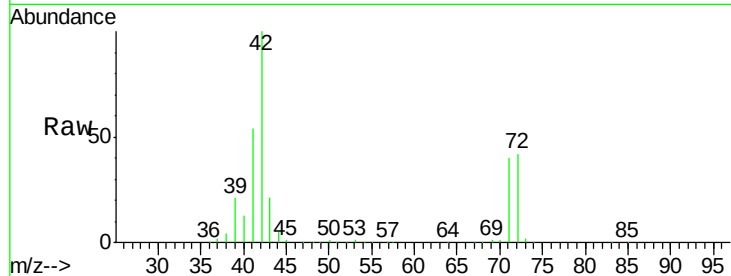
ClientSampleId :

VX0307WBSD02

Tot Ion:	42	Resp:	145697
Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.8	50.6
71	39.7	31.5	47.3

Manual Integrations
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#30

Chloroform

Concen: 20.963 ug/l

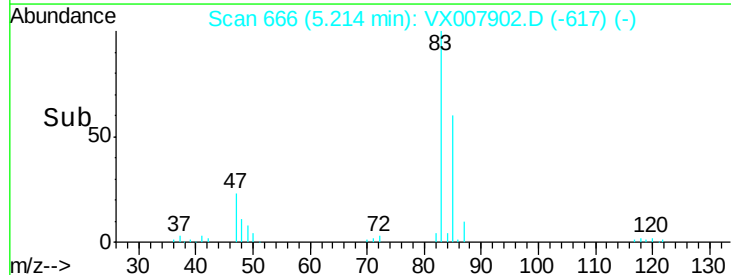
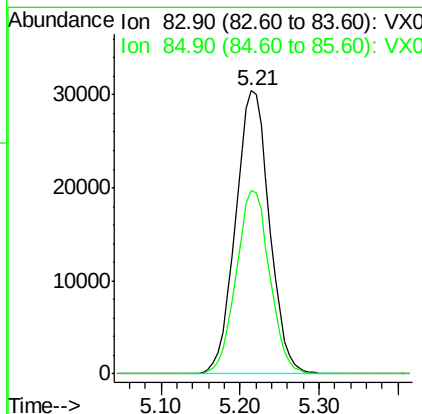
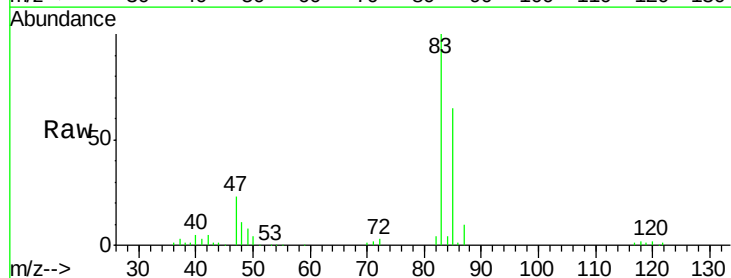
RT: 5.21 min Scan# 666

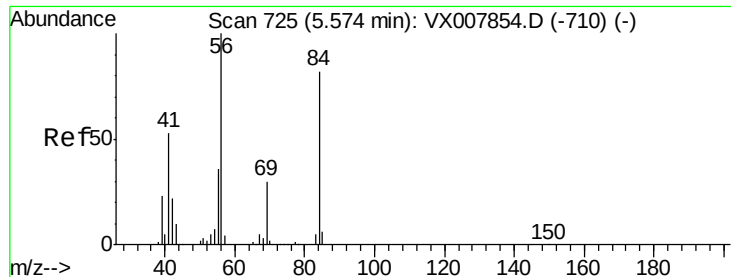
Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Tgt Ion:	83	Resp:	90764
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6





#31

Cyclohexane

Concen: 19.566 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Instrument :

MSVOA_X

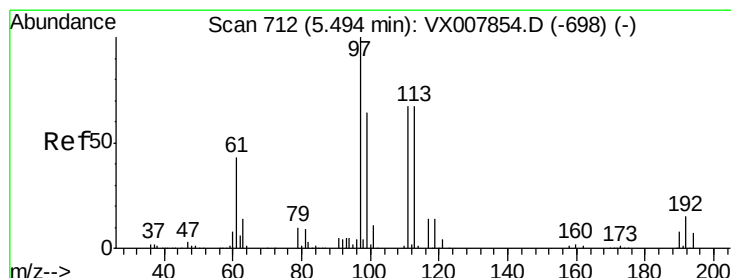
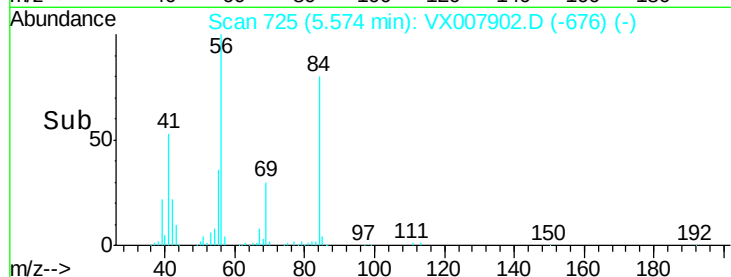
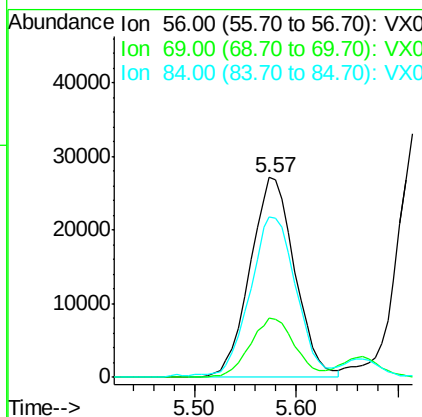
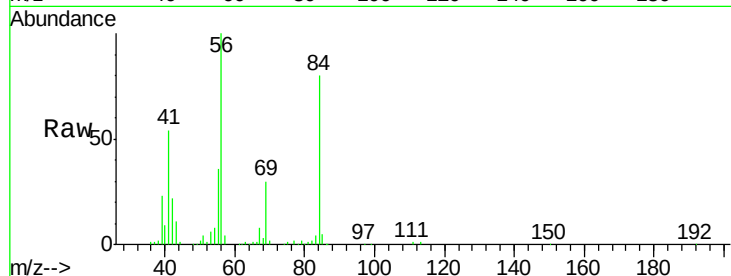
ClientSampleId :

VX0307WBSD02

Tot Ion:	56	Resp:	82309
Ion	Ratio	Lower	Upper
56	100		
69	29.5	24.0	36.0
84	79.2	65.3	97.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.252 ug/l

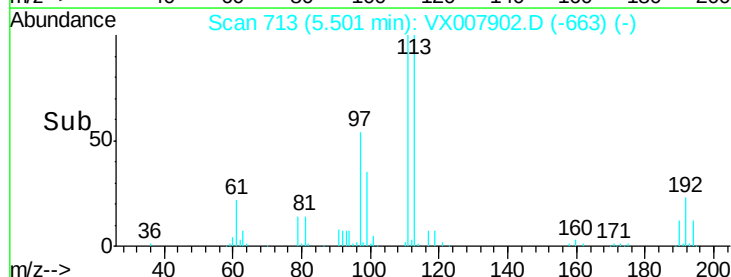
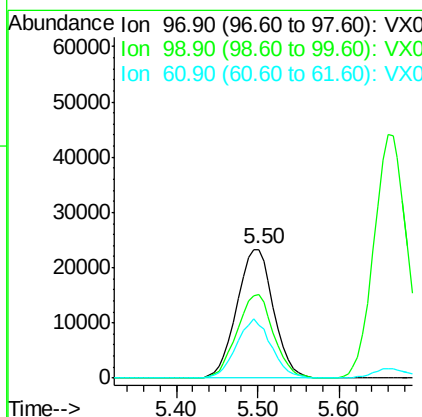
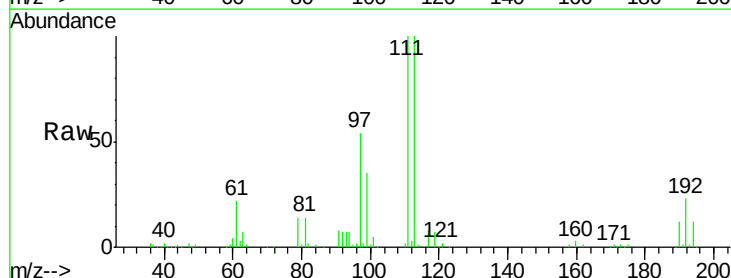
RT: 5.50 min Scan# 713

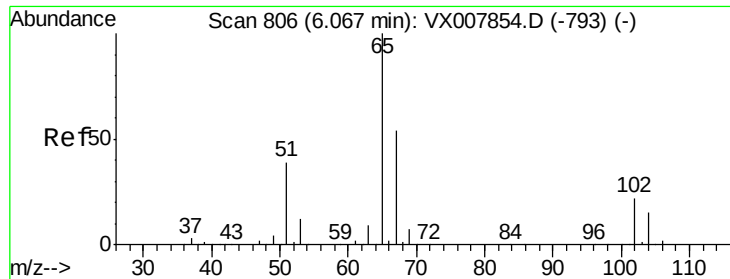
Delta R.T. 0.01 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Tgt Ion:	97	Resp:	72751
Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.2	78.2
61	43.5	34.9	52.3





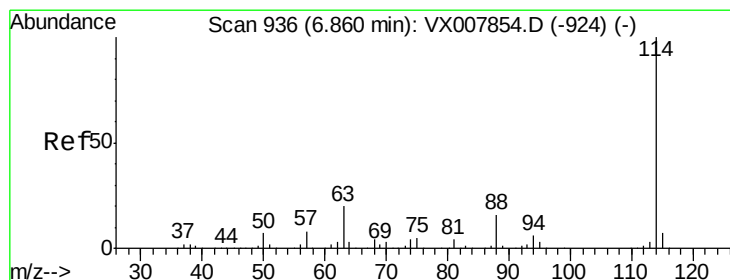
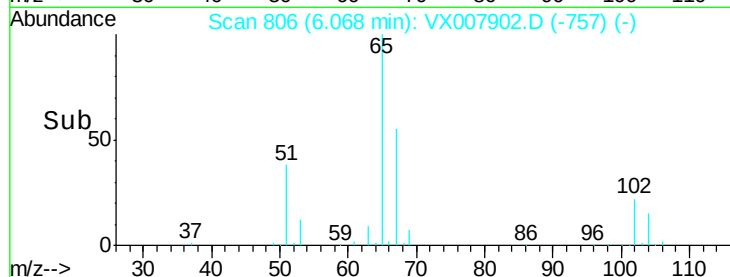
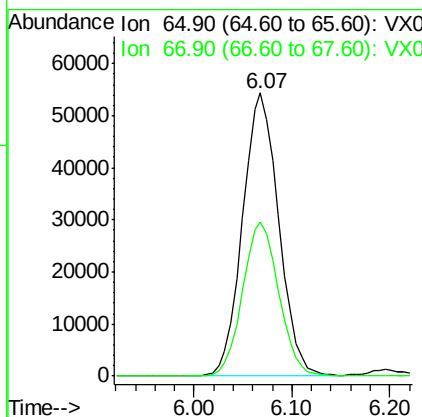
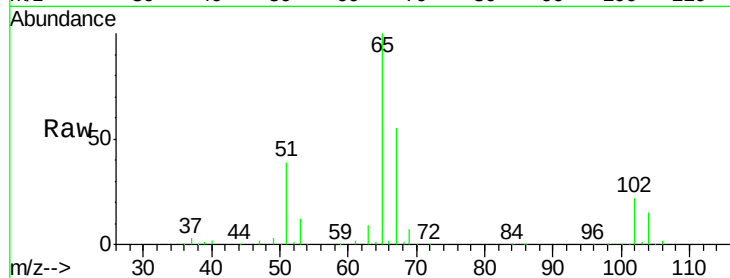
#33
 1,2-Dichloroethane-d4
 Concen: 51.018 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007902.D
 Acq: 08 Mar 2019 00:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0307WBSD02

Tot Ion: 65 Resp: 139673
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 110.0

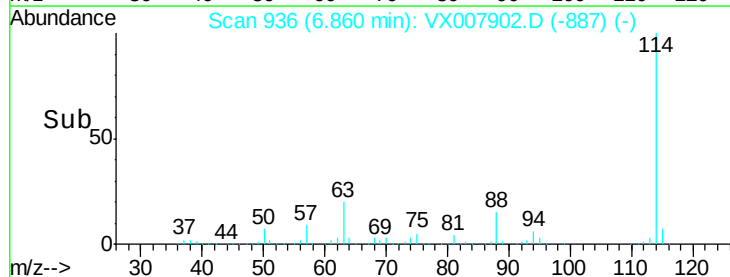
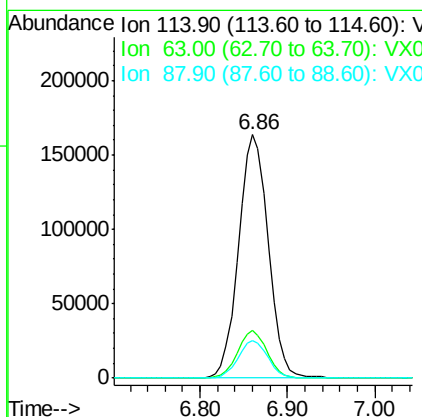
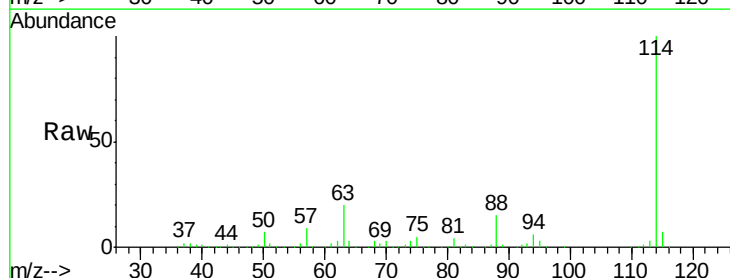
Manual Integrations
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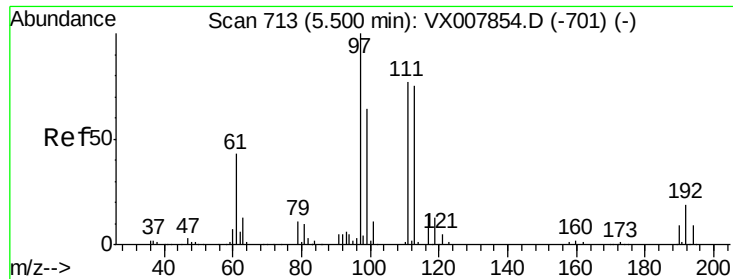
MMDadoda
 3/8/2019 9:40:03 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007902.D
 Acq: 08 Mar 2019 00:17

Tgt Ion: 114 Resp: 385441
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.448 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Instrument :

MSVOA_X

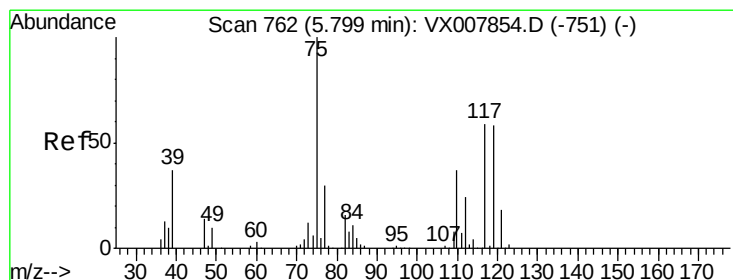
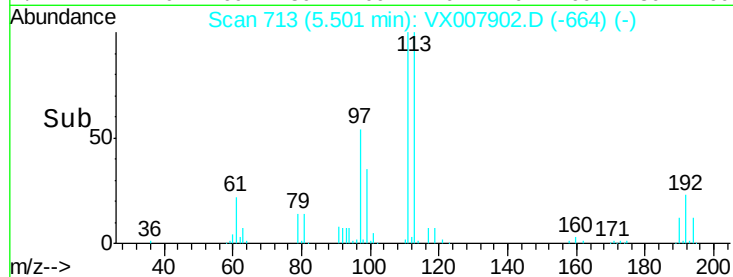
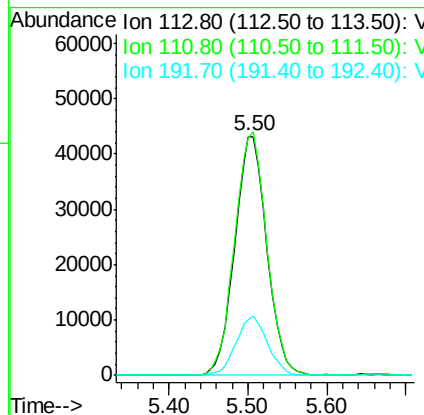
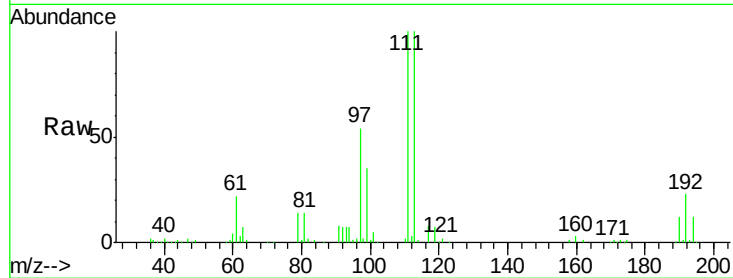
ClientSampleId :

VX0307WBSD02

Tot Ion:	113	Resp:	121917
Ion Ratio	Lower	Upper	
113	100		
111	102.3	81.4	122.0
192	24.3	19.4	29.0

Manual Integrations
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3/8/2019 9:40:03 AM



#36

1,1-Dichloropropene

Concen: 19.247 ug/l

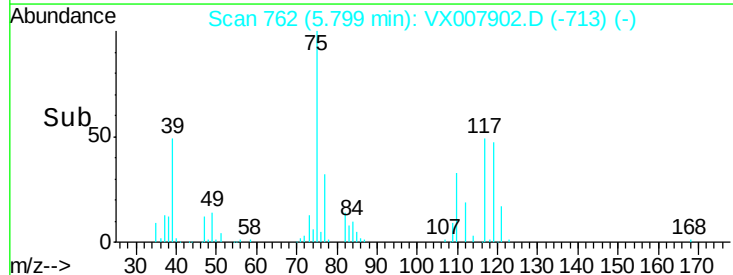
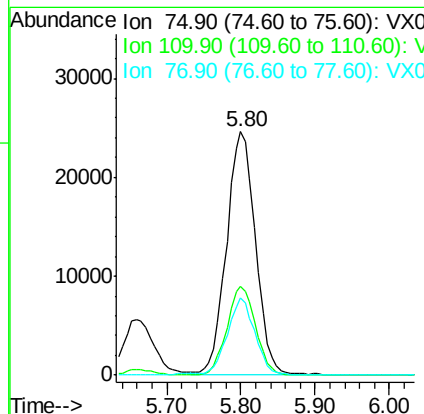
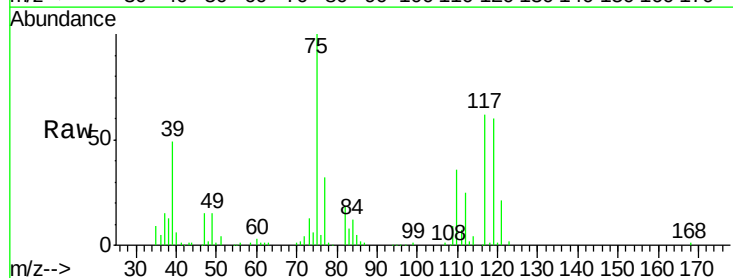
RT: 5.80 min Scan# 762

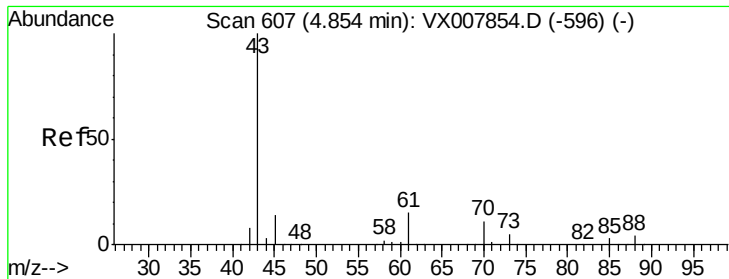
Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Tgt Ion:	75	Resp:	67174
Ion Ratio	Lower	Upper	
75	100		
110	35.8	18.4	55.0
77	29.9	25.0	37.4





#37

Ethyl Acetate

Concen: 20.216 ug/l

RT: 4.85 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Instrument :

MSVOA_X

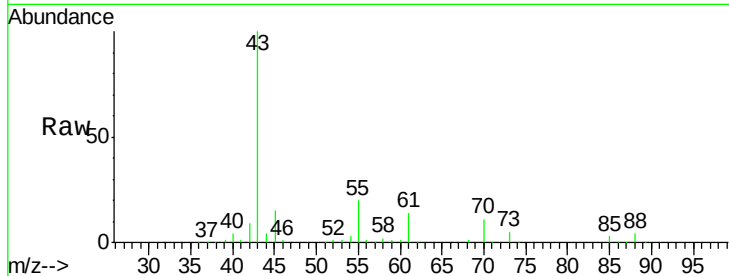
ClientSampleID :

VX0307WBSD02

Tot Ion:	43	Resp:	83727
Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.3	16.9
70	10.5	8.5	12.7

Manual Integrations
APPROVED

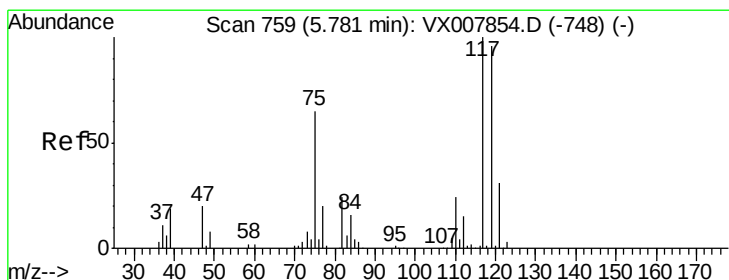
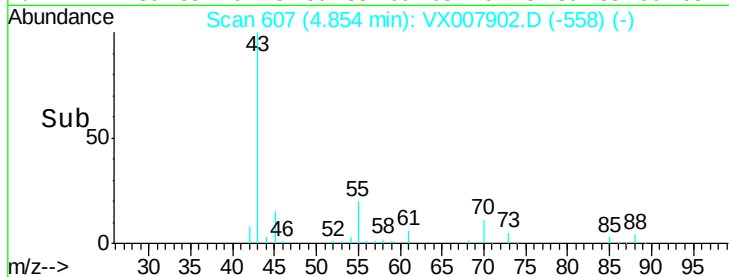
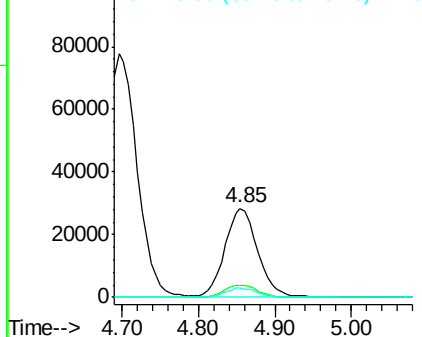
MMDadoda
3/8/2019 9:40:03 AM



Abundance Ion 43.00 (42.70 to 43.70): VX007854.D (-596) (-)

Ion 60.90 (60.60 to 61.60): VX007854.D (-596) (-)

Ion 70.00 (69.70 to 70.70): VX007854.D (-596) (-)



#38

Carbon Tetrachloride

Concen: 19.172 ug/l

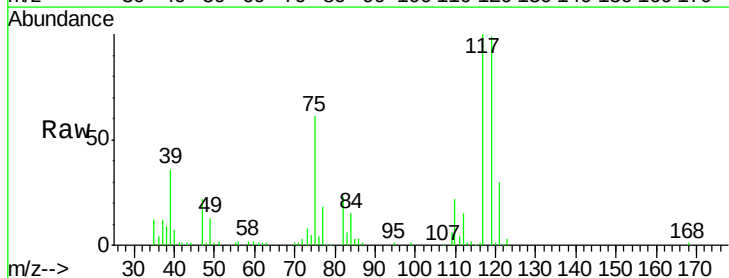
RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

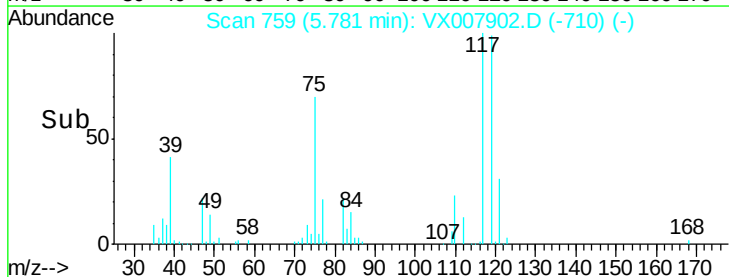
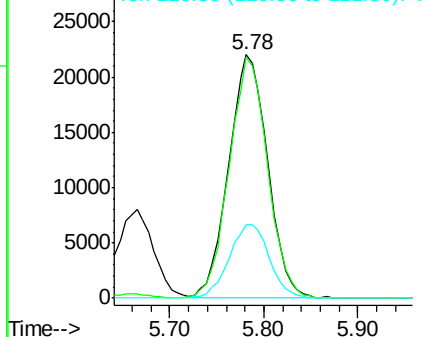
Tgt Ion:	117	Resp:	63523
Ion	Ratio	Lower	Upper
117	100		
119	98.8	76.2	114.2
121	30.2	24.6	36.8

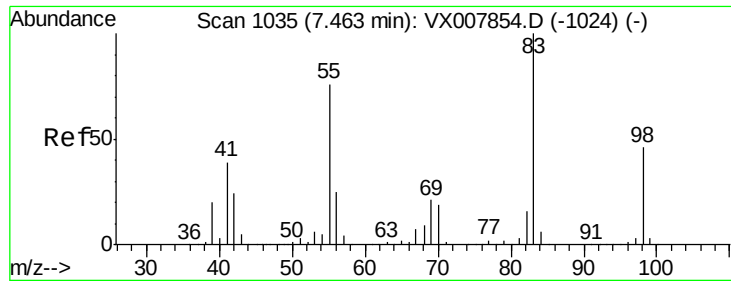


Abundance Ion 116.80 (116.50 to 117.50): VX007854.D (-748) (-)

Ion 118.80 (118.50 to 119.50): VX007854.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX007854.D (-748) (-)





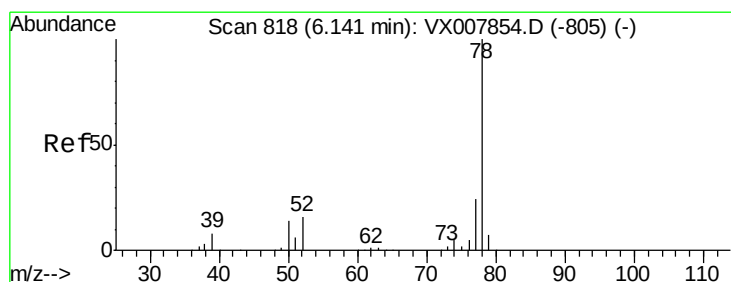
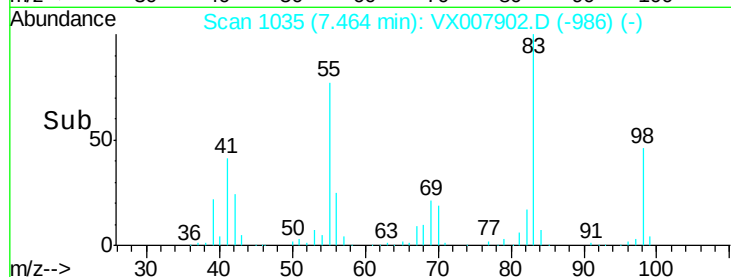
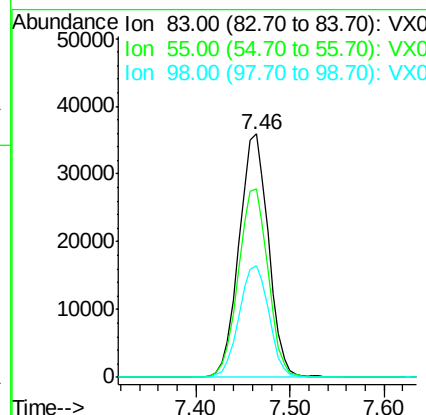
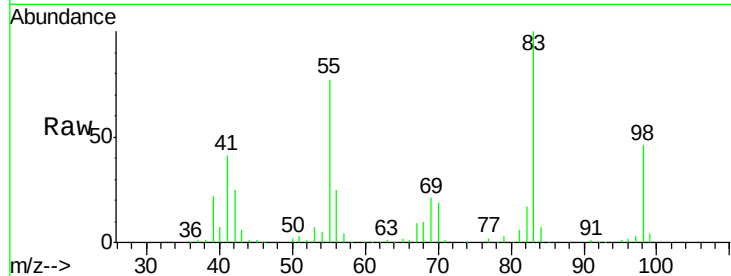
#39
Methylvlcyclohexane
Concen: 18.490 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0307WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.3	60.4	90.6
98	45.7	36.5	54.7

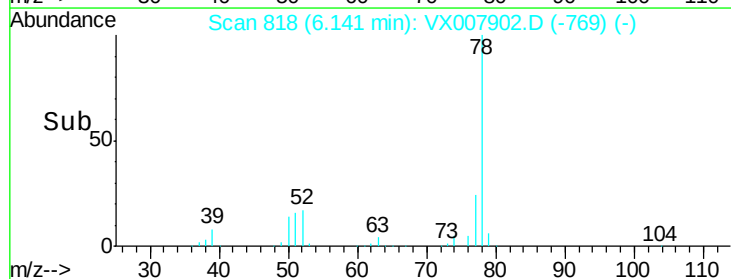
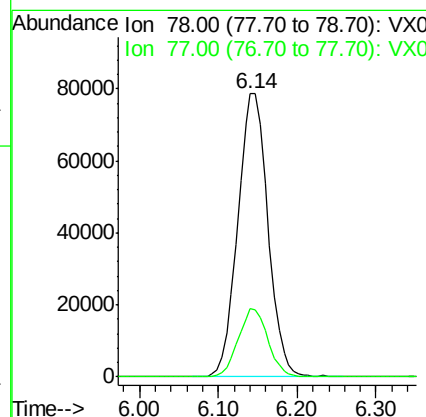
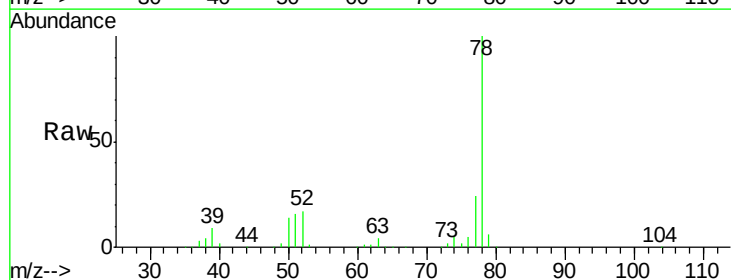
Manual Integrations
APPROVED

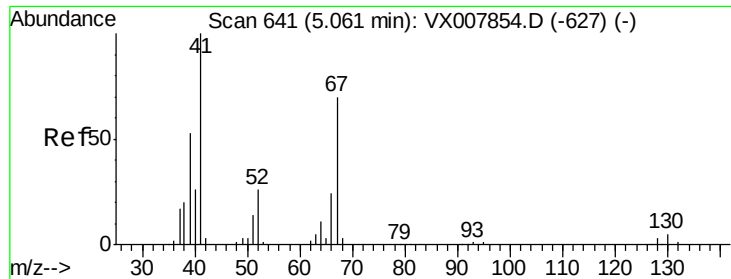
MMDadoda
3/8/2019 9:40:03 AM



#40
Benzene
Concen: 20.165 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.4





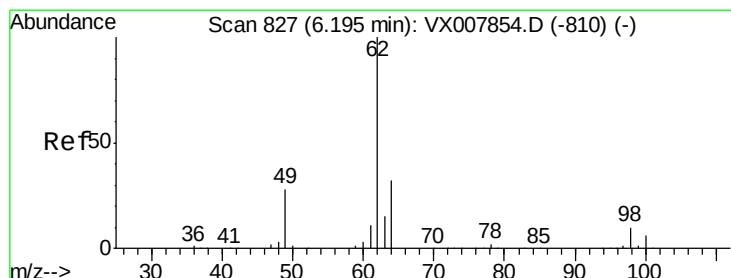
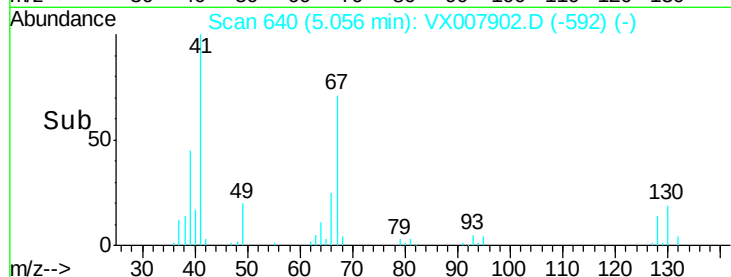
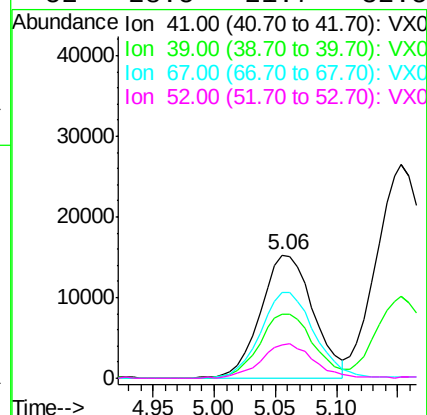
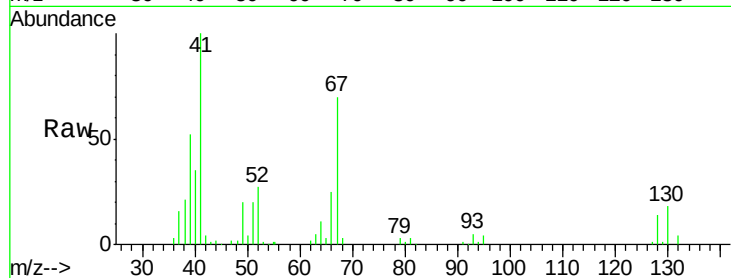
#41
Methacrylonitrile
Concen: 20.268 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0307WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.6	41.6	62.4	
67	71.9	55.8	83.6	
52	28.5	21.7	32.5	

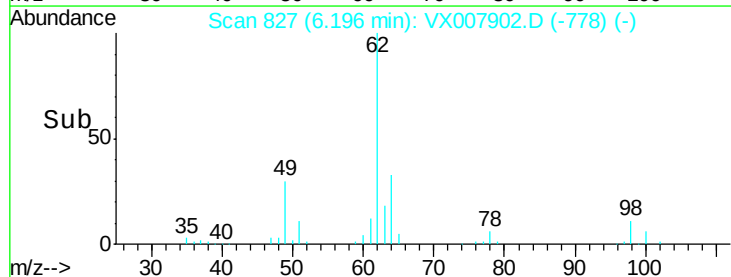
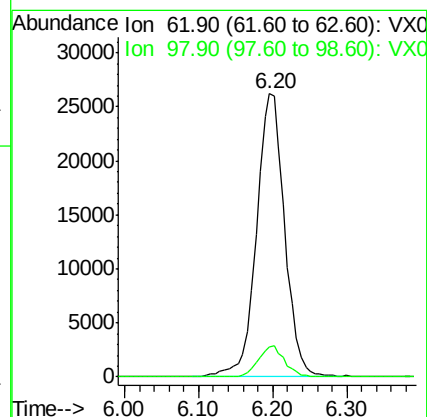
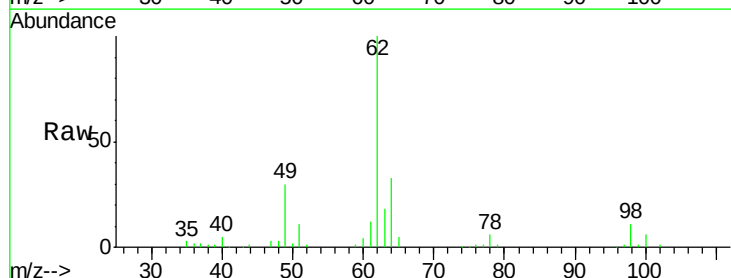
Manual Integrations
APPROVED

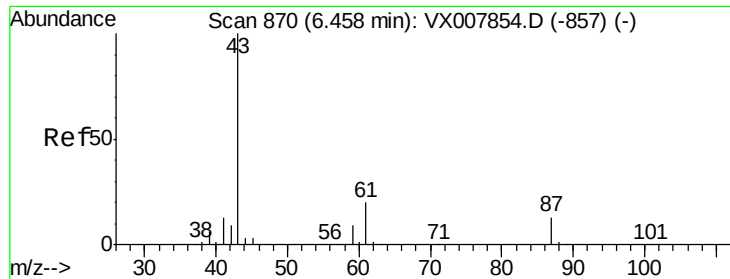
MMDadoda
3/8/2019 9:40:03 AM



#42
1,2-Dichloroethane
Concen: 20.428 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

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





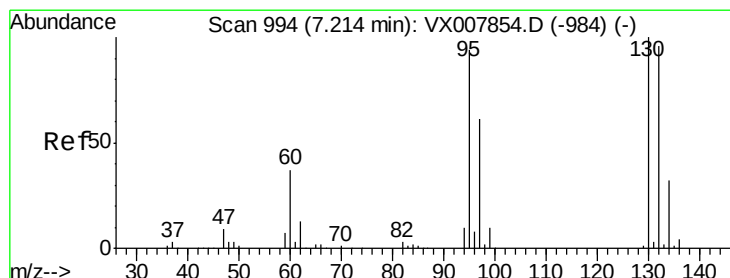
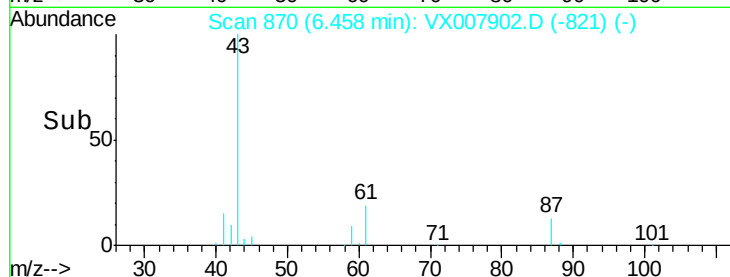
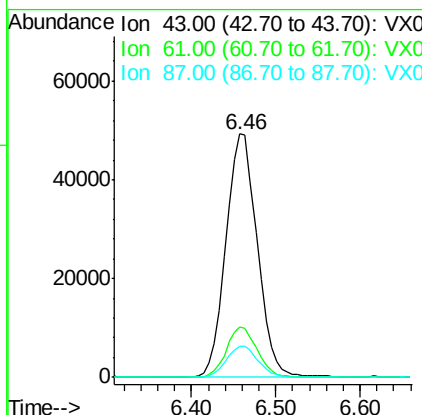
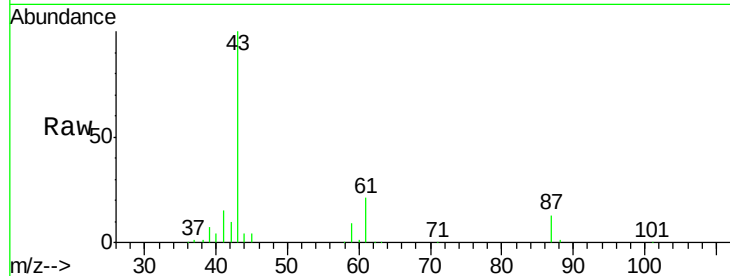
#43
Isopropyl Acetate
Concen: 20.304 ug/l
RT: 6.46 min Scan# 870
Delta R.T. 0.00 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0307WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.3	24.5
87	13.0	10.5	15.7

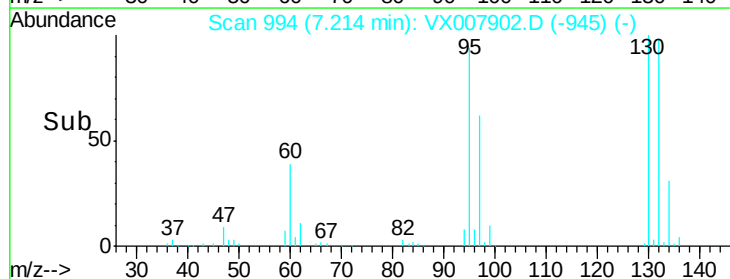
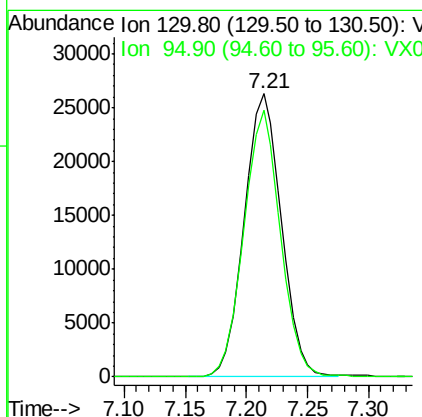
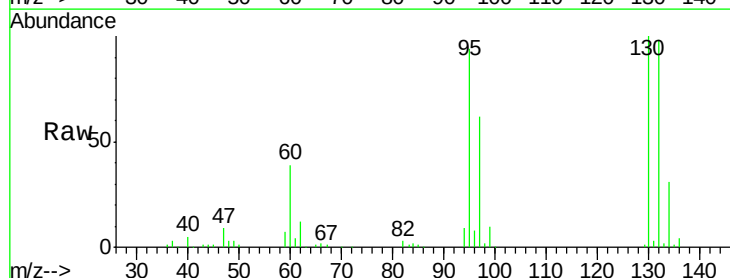
Manual Integrations
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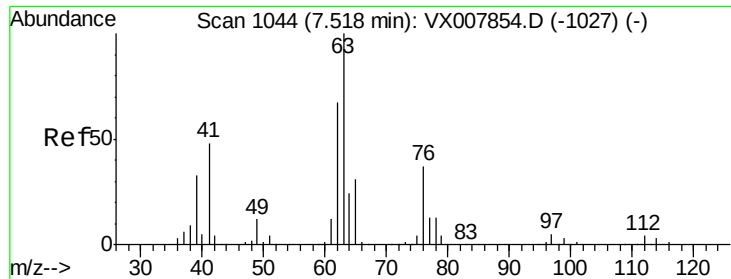
MMDadoda
3/8/2019 9:40:03 AM



#44
Trichloroethene
Concen: 19.415 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	188.0





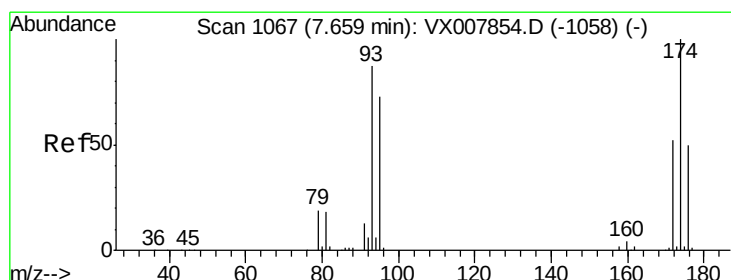
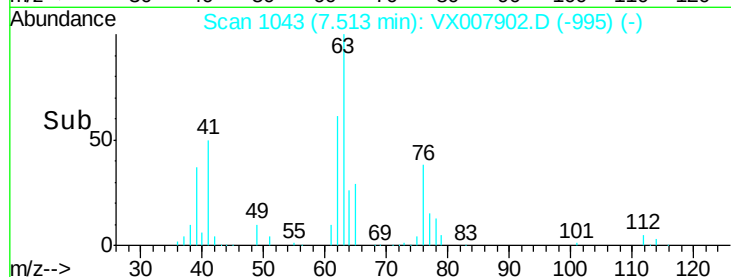
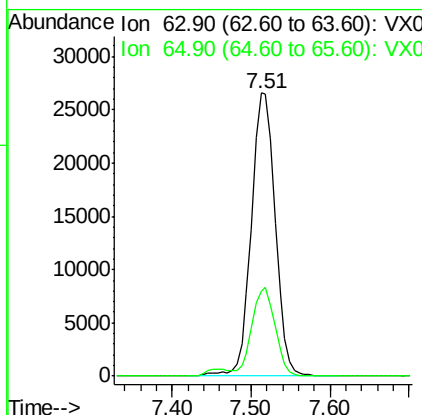
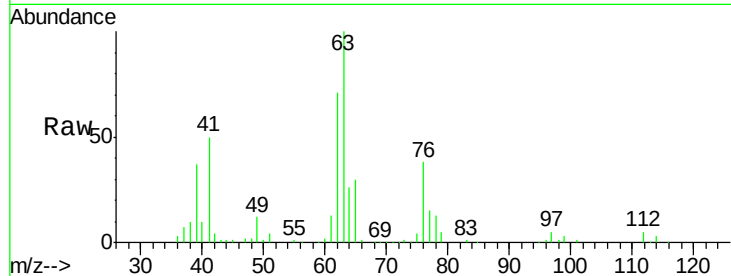
#45
1,2-Dichloropropane
Concen: 20.525 ug/l
RT: 7.51 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0307WBSD02

Tot Ion: 63 Resp: 56325
Ion Ratio Lower Upper
63 100
65 30.2 24.7 37.1

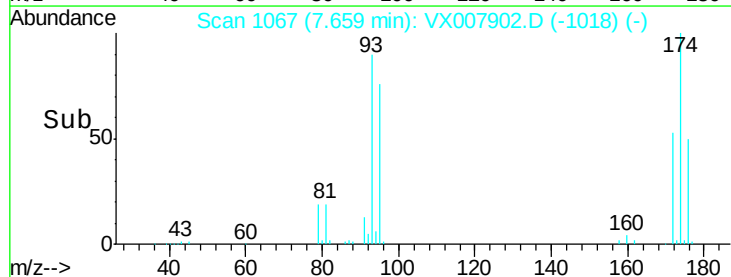
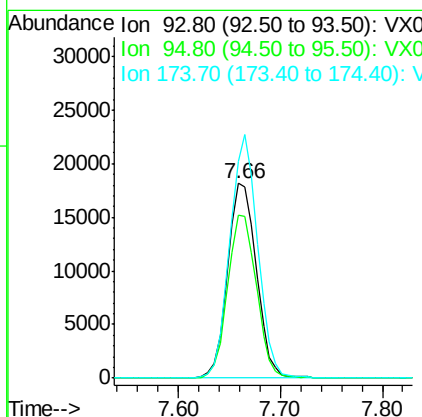
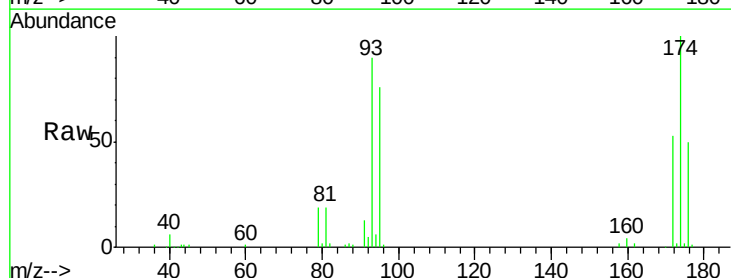
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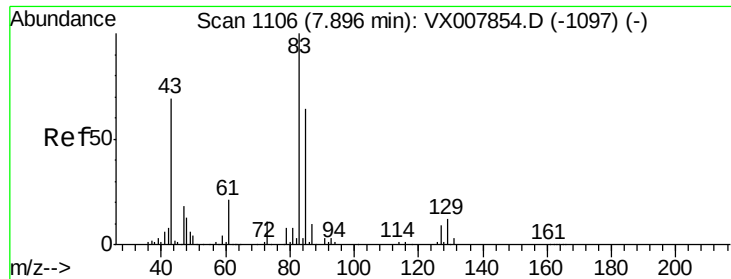
MMDadoda
3/8/2019 9:40:03 AM



#46
Dibromomethane
Concen: 20.374 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Tgt Ion: 93 Resp: 35384
Ion Ratio Lower Upper
93 100
95 83.7 66.8 100.2
174 120.8 97.3 145.9





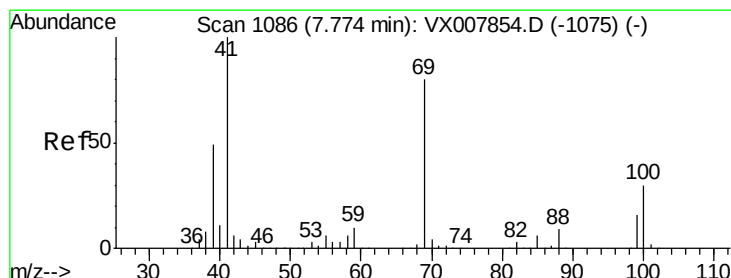
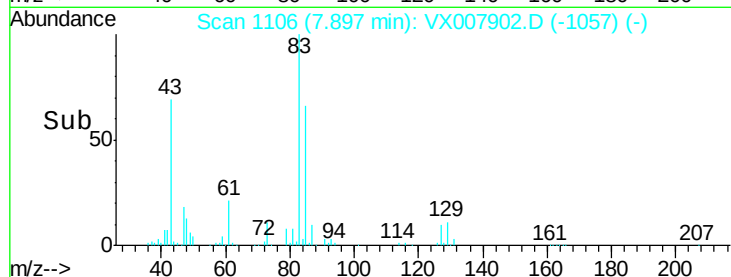
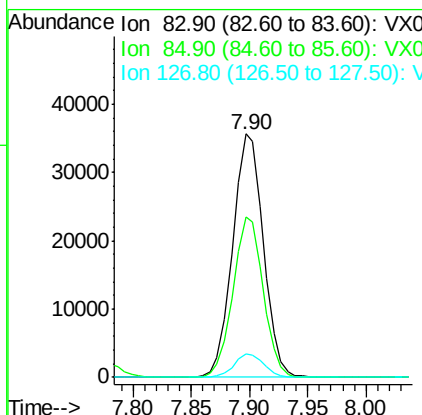
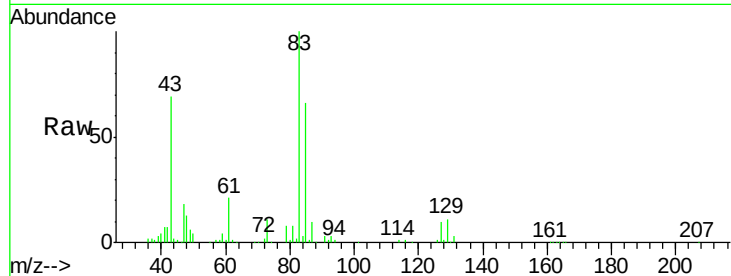
#47
Bromodichloromethane
Concen: 19.872 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0307WBSD02

Tot Ion	83	Resp	65431
Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.9	76.3
127	9.9	7.4	11.0

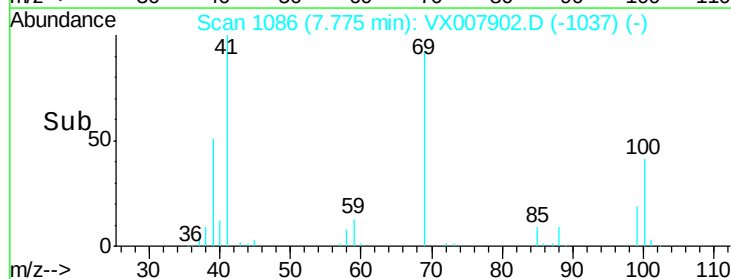
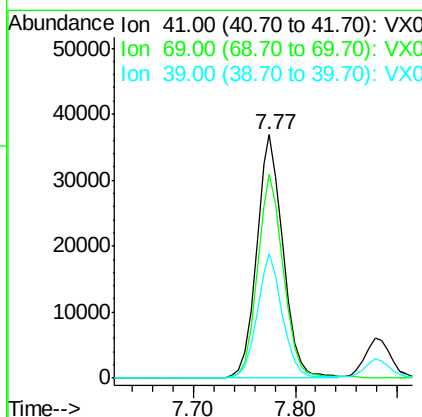
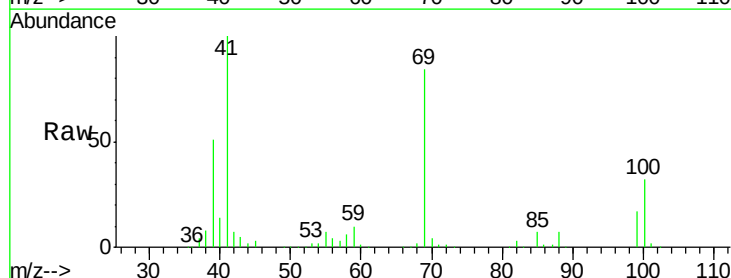
Manual Integrations
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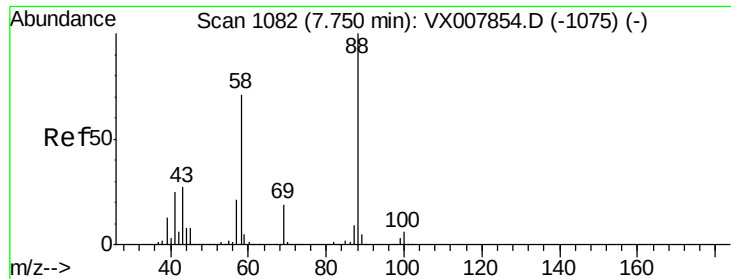
MMDadoda
3/8/2019 9:40:03 AM



#48
Methyl methacrylate
Concen: 20.569 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Tgt Ion	41	Resp	66287
Ion	Ratio	Lower	Upper
41	100		
69	82.7	65.2	97.8
39	49.2	39.4	59.2





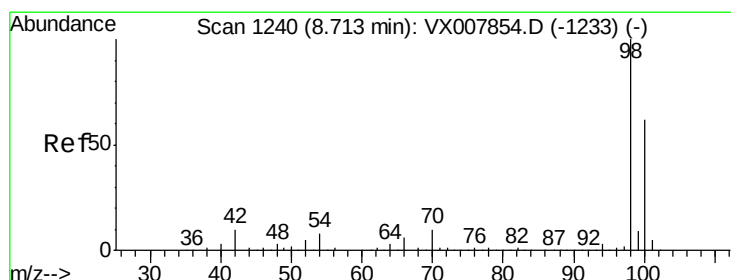
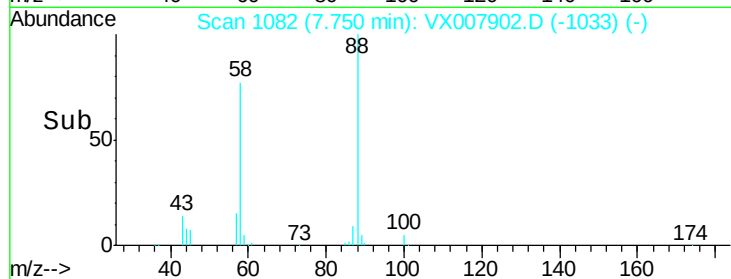
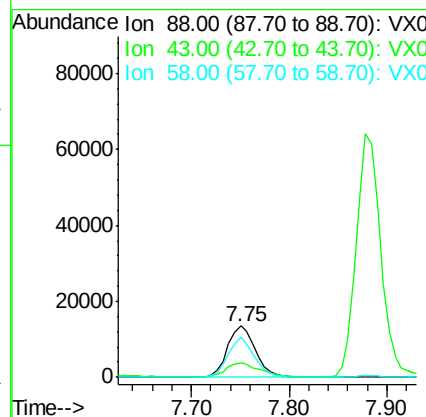
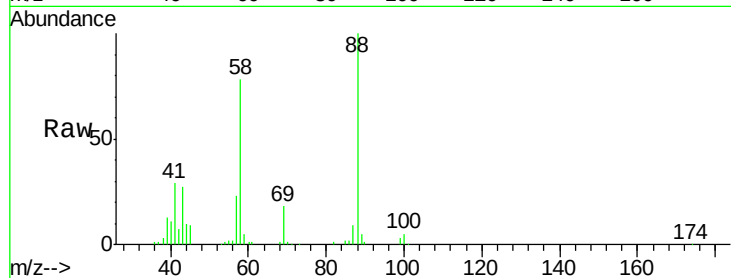
#49
1,4-Dioxane
Concen: 402.112 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0307WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	25.1	37.7
58	74.6	57.8	86.6

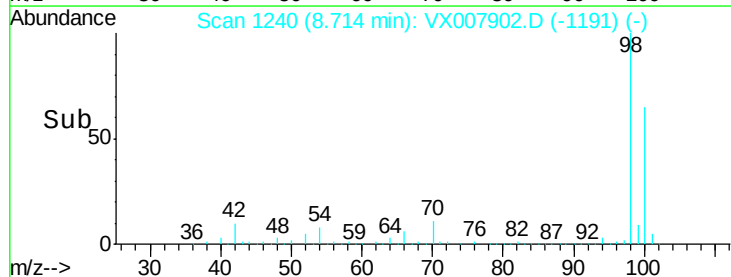
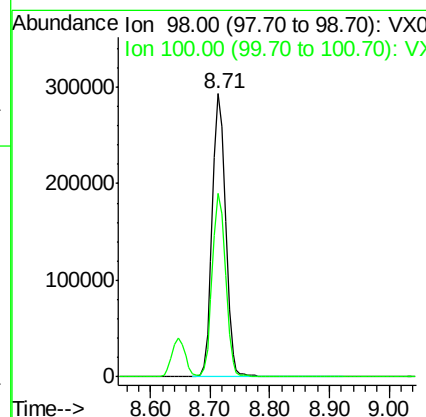
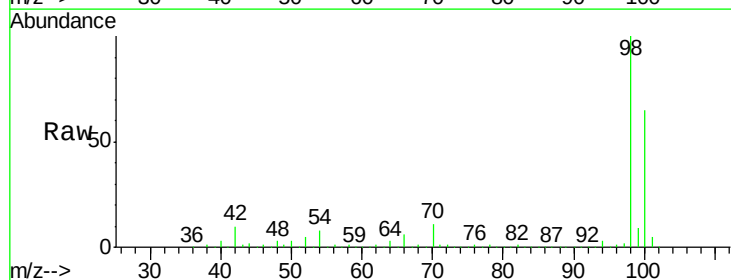
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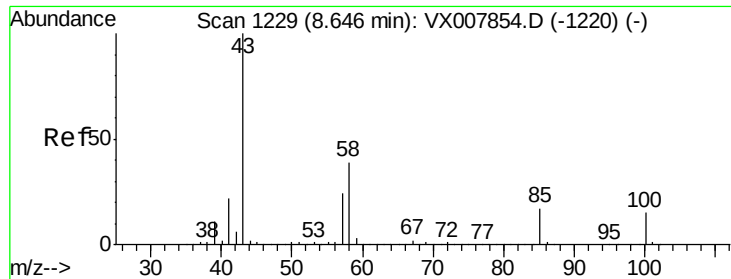
MMDadoda
3/8/2019 9:40:03 AM



#50
Toluene-d8
Concen: 49.888 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 106.150 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBSD02

Tot Ion: 43 Resp: 418434

Ion Ratio Lower Upper

43 100

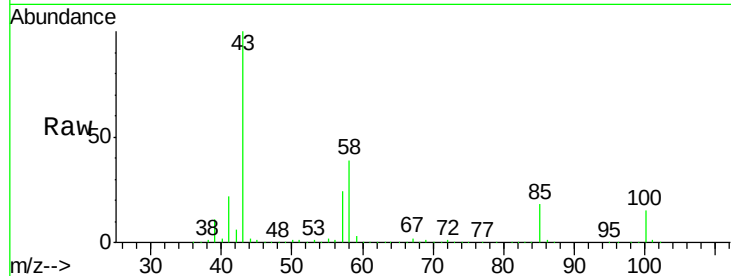
58 38.8 31.3 46.9

Manual Integrations

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MMDadoda

3/8/2019 9:40:03 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

250000

200000

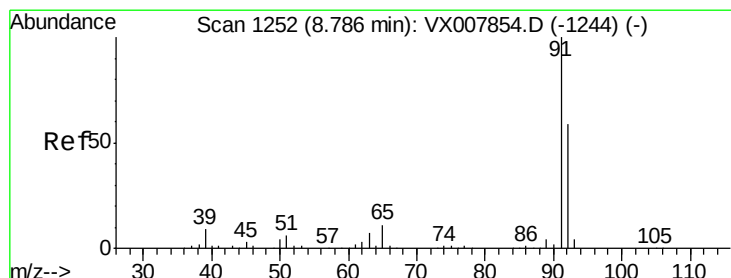
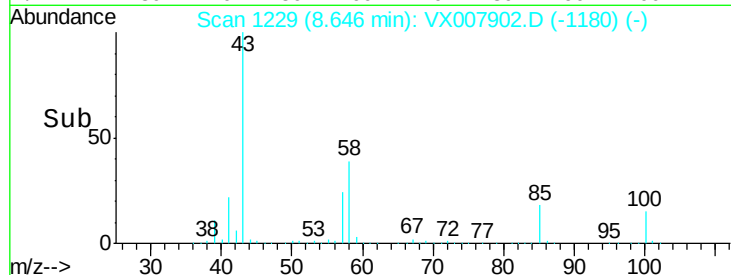
150000

100000

50000

0

Time--> 8.55 8.60 8.65 8.70



#52

Toluene

Concen: 20.139 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX007902.D

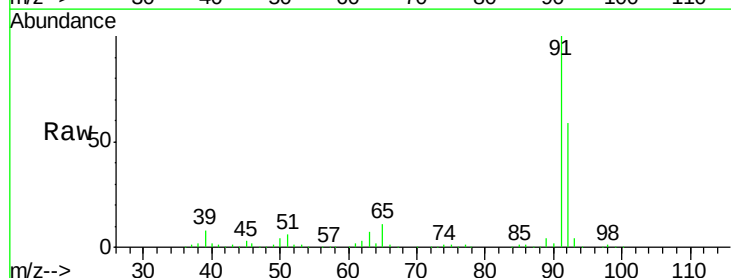
Acq: 08 Mar 2019 00:17

Tgt Ion: 92 Resp: 127751

Ion Ratio Lower Upper

92 100

91 172.4 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

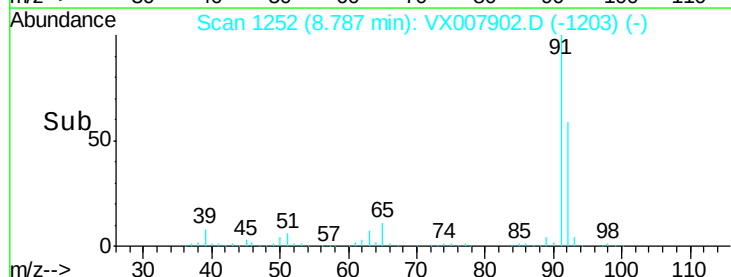
150000

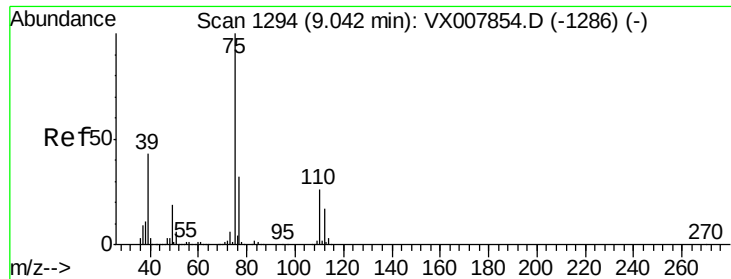
100000

50000

0

Time--> 8.70 8.80 8.90





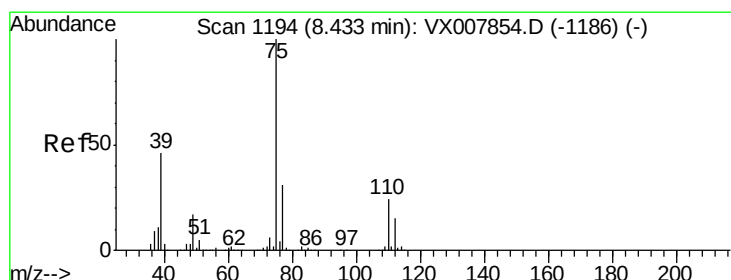
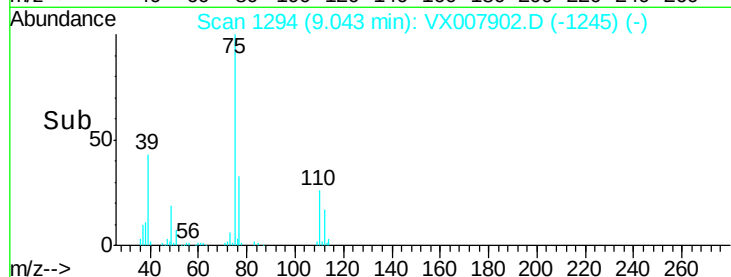
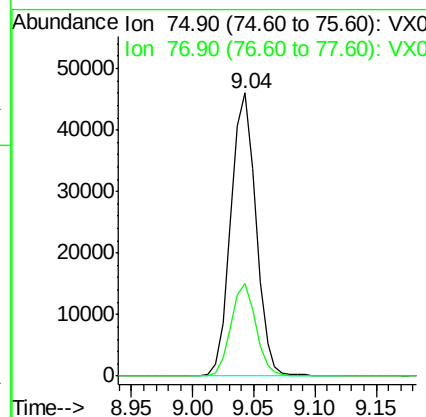
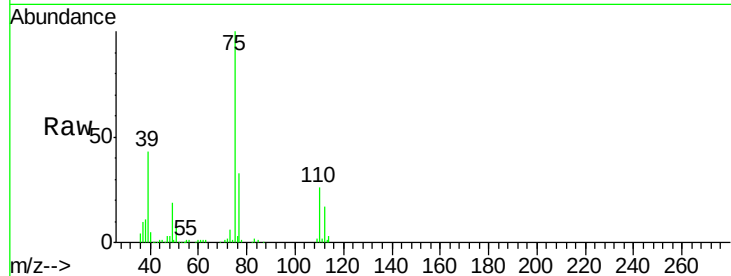
#53
t-1,3-Dichloropropene
Concen: 19.033 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Instrument :
MSVOA_X
ClientSampled :
VX0307WBSD02

Tot Ion: 75 Resp: 65410
Ion Ratio Lower Upper
75 100
77 32.8 25.4 38.0

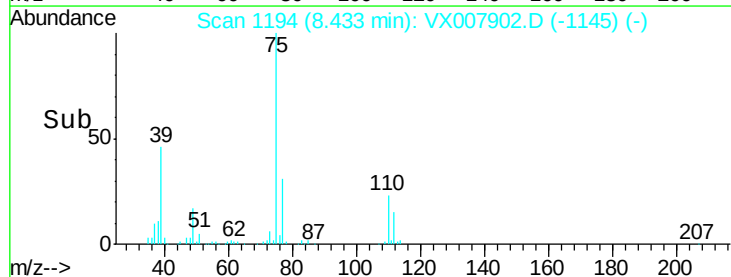
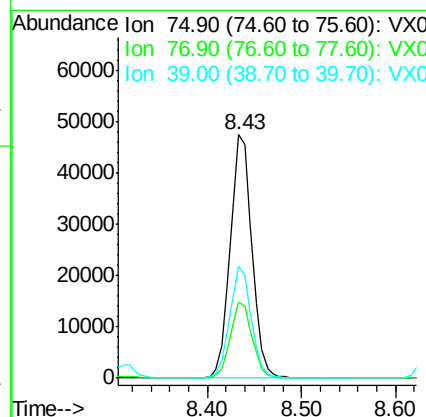
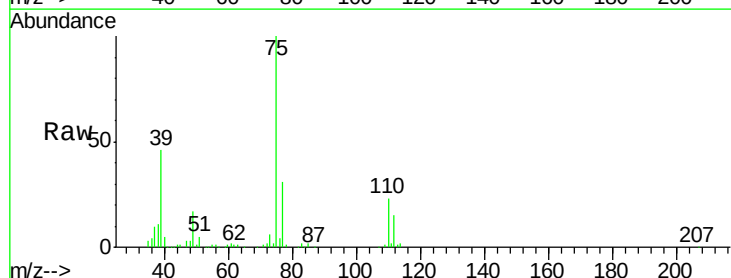
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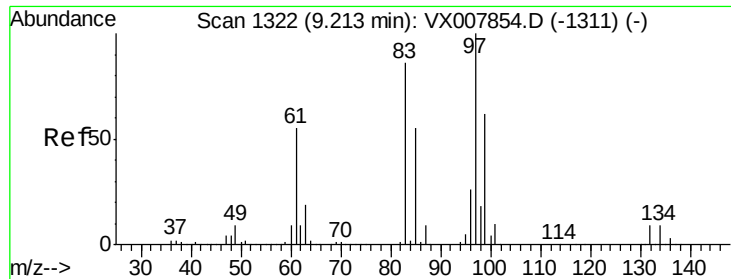
MMDadoda
3/8/2019 9:40:03 AM



#54
cis-1,3-Dichloropropene
Concen: 19.592 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Tgt Ion: 75 Resp: 76034
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6
39 46.0 36.6 54.8





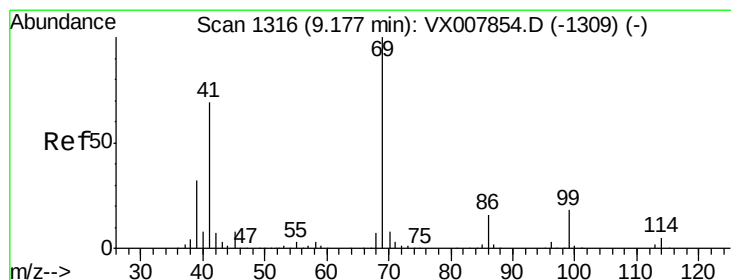
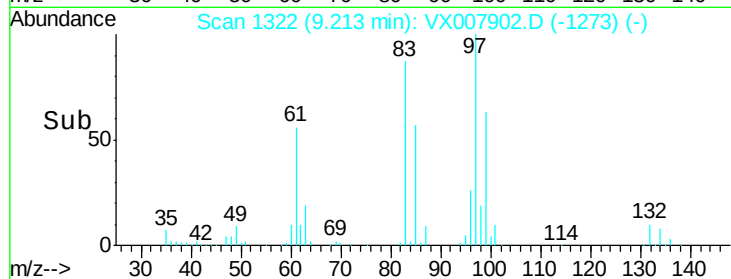
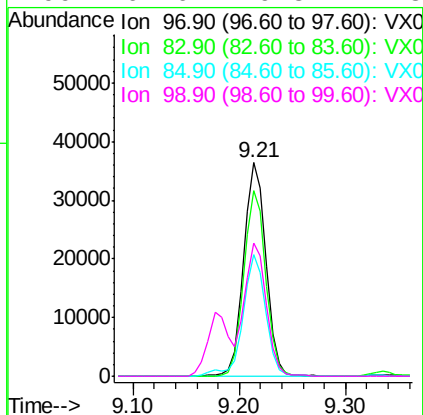
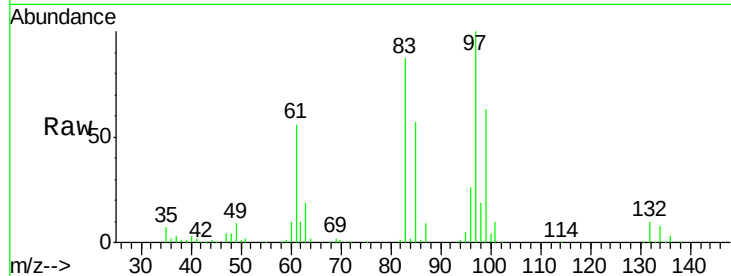
#55
 1,1,2-Trichloroethane
 Concen: 20.878 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007902.D
 Acq: 08 Mar 2019 00:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0307WBSD02

Tot Ion:	97	Resp:	53613
Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.1	103.7
85	56.9	44.3	66.5
99	62.6	49.8	74.8

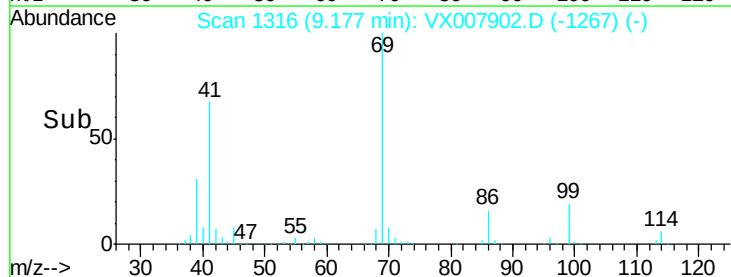
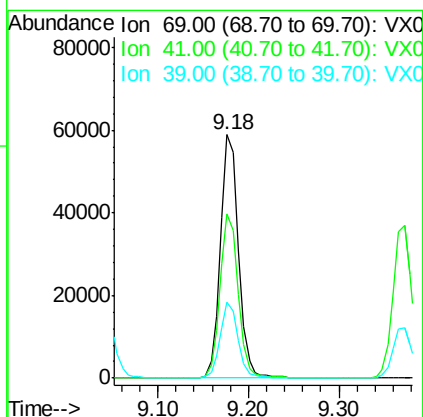
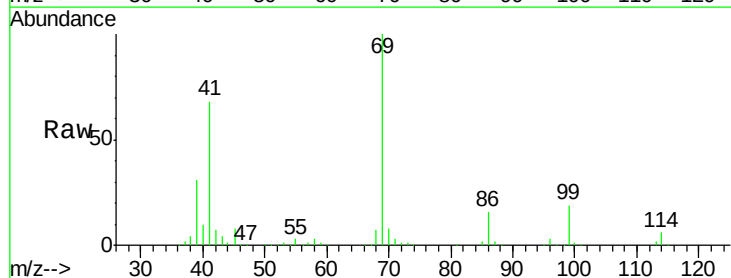
Manual Integrations
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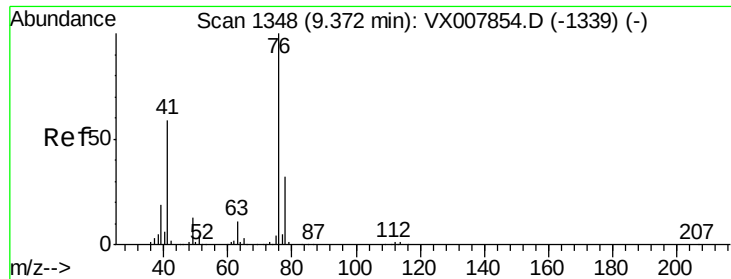
MMDadoda
 3/8/2019 9:40:03 AM



#56
 Ethyl methacrylate
 Concen: 21.334 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX007902.D
 Acq: 08 Mar 2019 00:17

Tgt Ion:	69	Resp:	82253
Ion	Ratio	Lower	Upper
69	100		
41	67.7	54.2	81.4
39	30.5	25.0	37.4





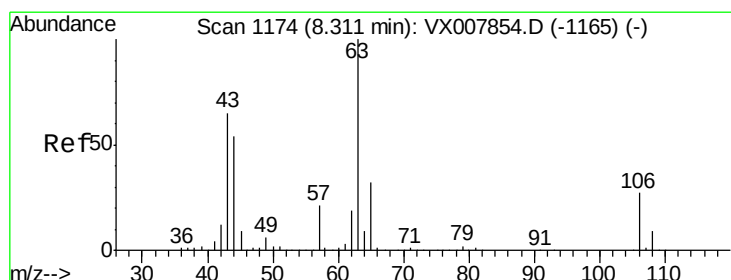
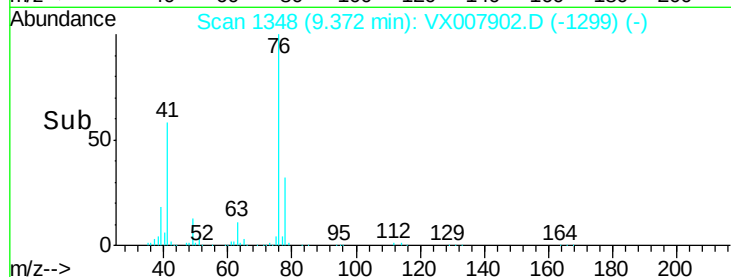
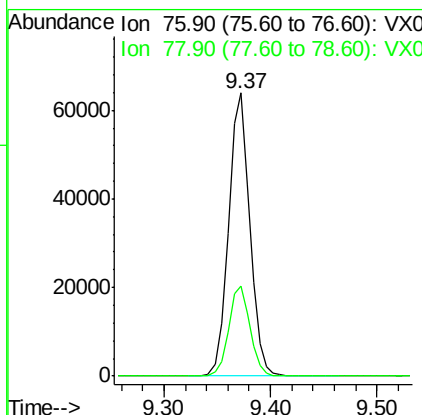
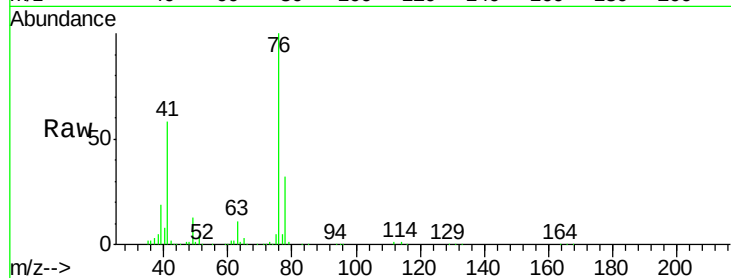
#57
 1,3-Dichloropropane
 Concen: 20.767 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX007902.D
 Acq: 08 Mar 2019 00:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0307WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

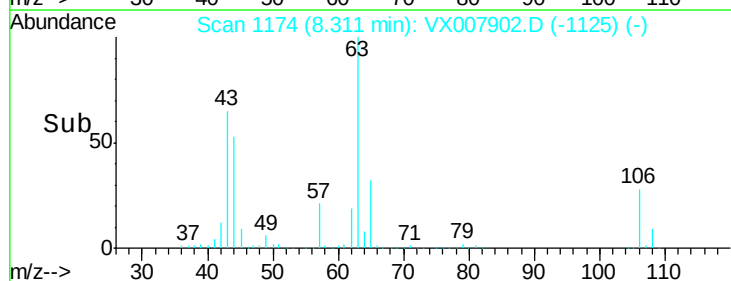
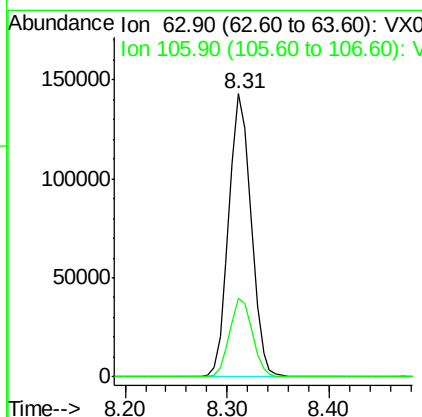
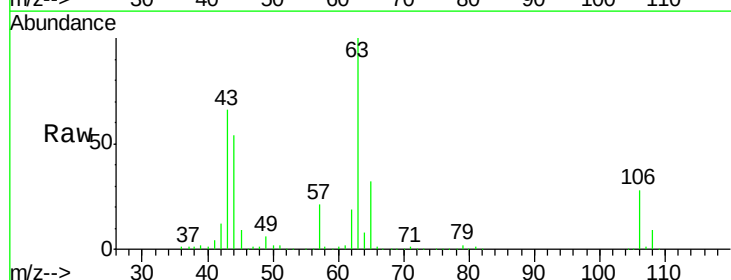
Manual Integrations
 APPROVED

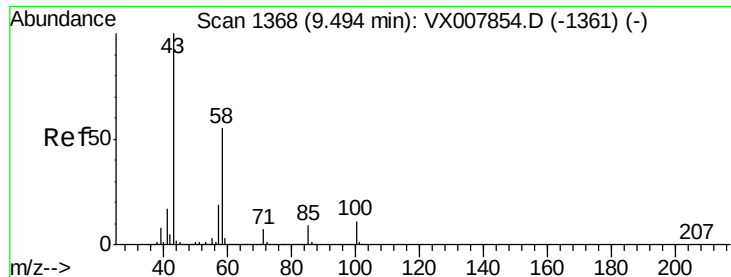
MMDadoda
 3/8/2019 9:40:03 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.331 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX007902.D
 Acq: 08 Mar 2019 00:17

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.8	22.2	33.2





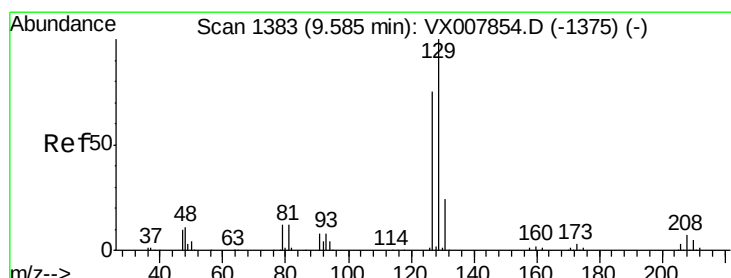
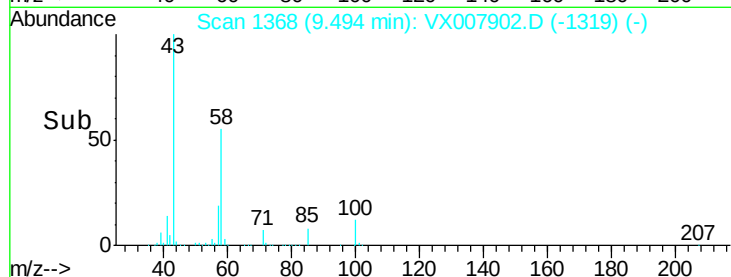
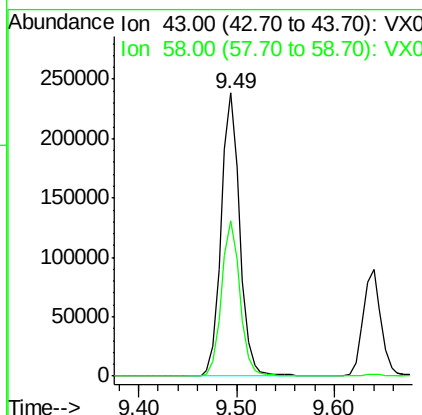
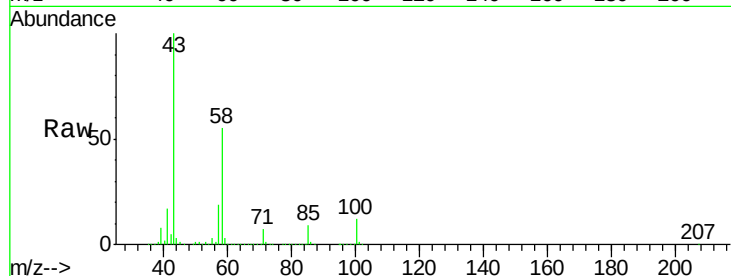
#59
2-Hexanone
Concen: 102.764 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0307WBSD02

Tot Ion: 43 Resp: 314502
Ion Ratio Lower Upper
43 100
58 54.6 27.6 82.7

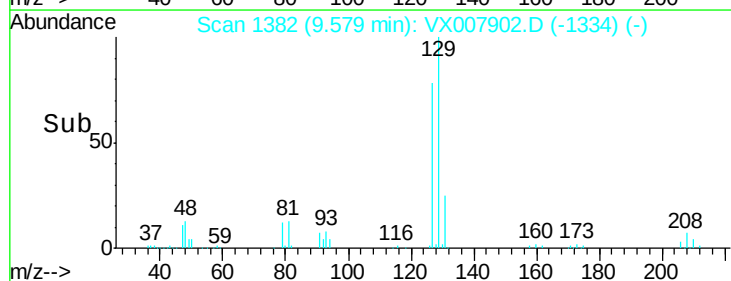
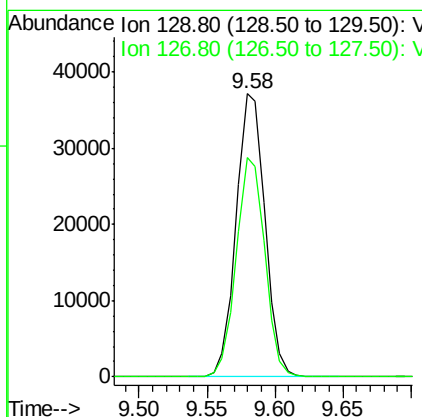
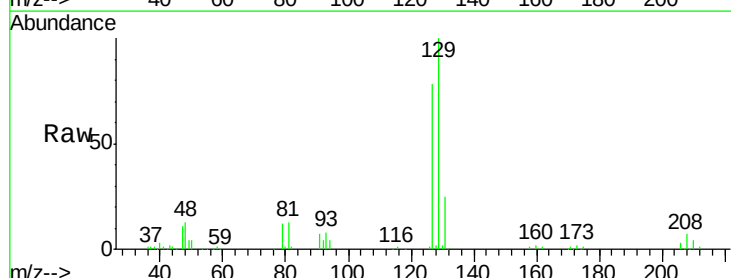
Manual Integrations
APPROVED

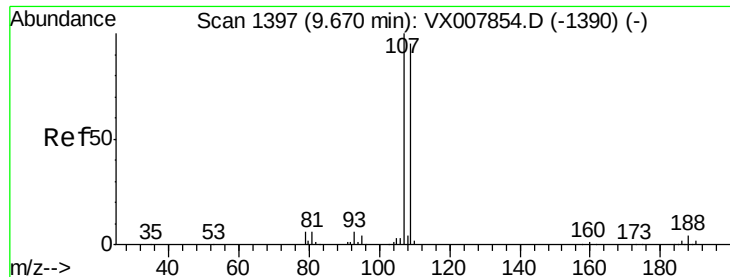
MMDadoda
3/8/2019 9:40:03 AM



#60
Dibromochloromethane
Concen: 20.415 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Tgt Ion: 129 Resp: 54795
Ion Ratio Lower Upper
129 100
127 77.0 38.3 114.8





#61

1,2-Dibromoethane

Concen: 20.585 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBSD02

Tot Ion:107 Resp: 56124

Ion Ratio Lower Upper

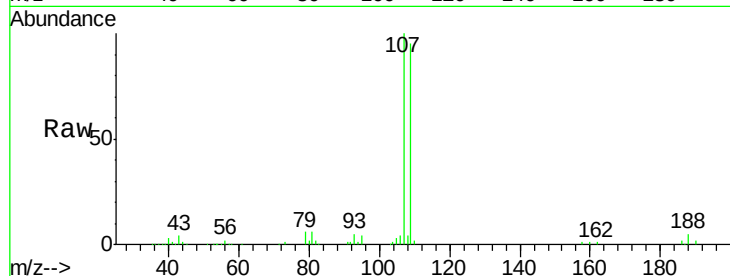
107 100

109 94.5 75.8 113.8

Manual Integrations
APPROVED

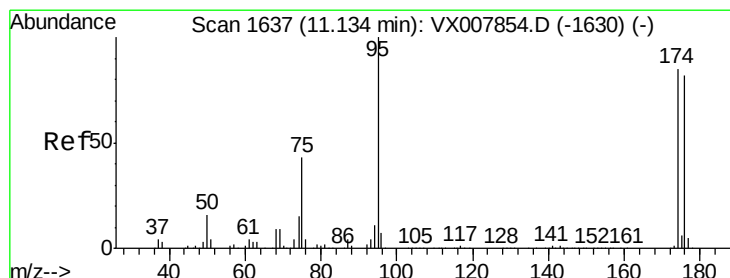
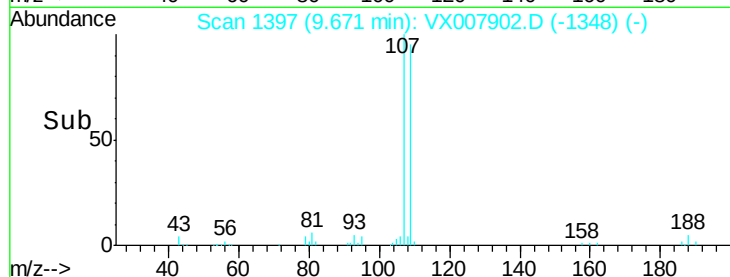
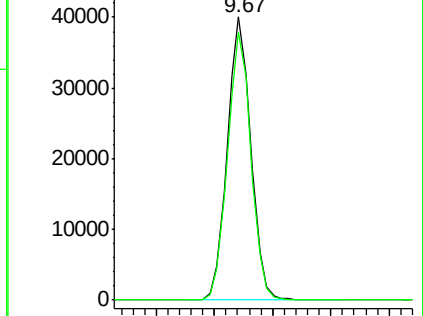
MMDadoda

3/8/2019 9:40:03 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.686 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

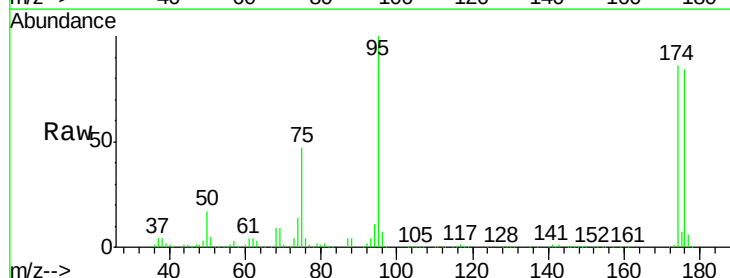
Tgt Ion: 95 Resp: 157736

Ion Ratio Lower Upper

95 100

174 92.3 0.0 182.8

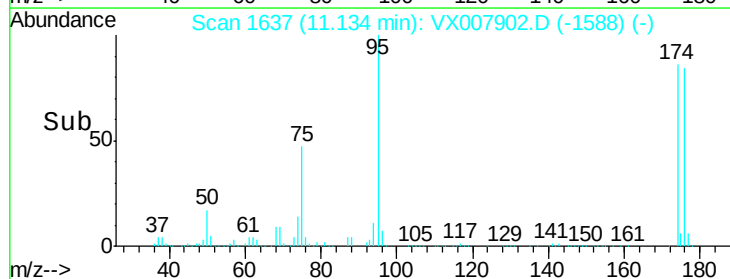
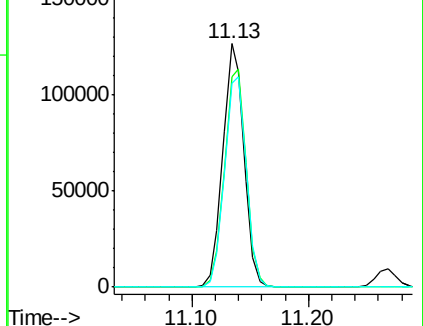
176 89.9 0.0 178.0

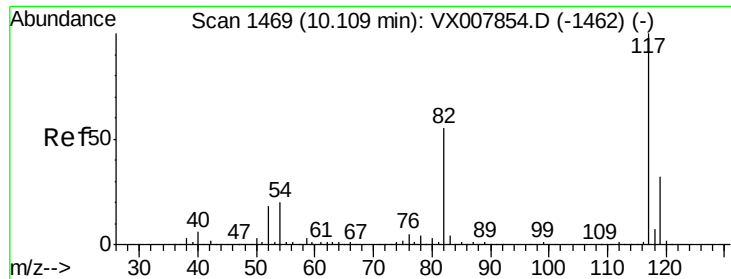


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





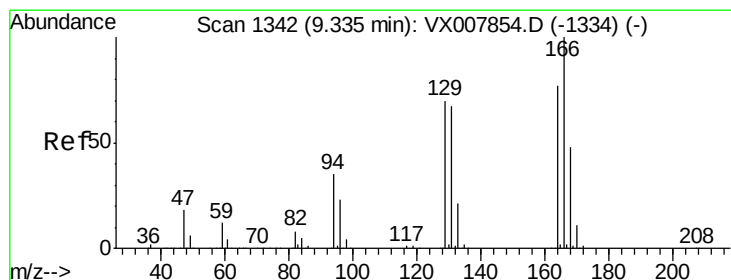
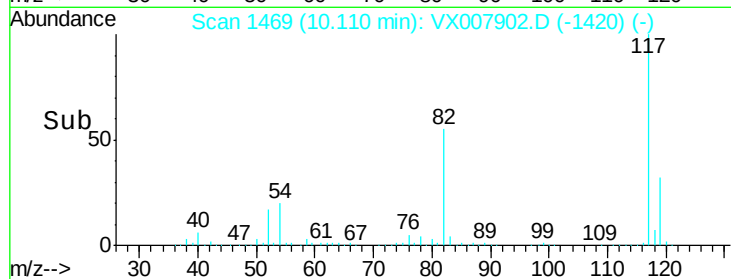
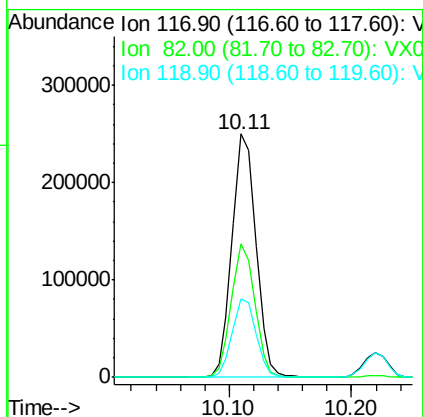
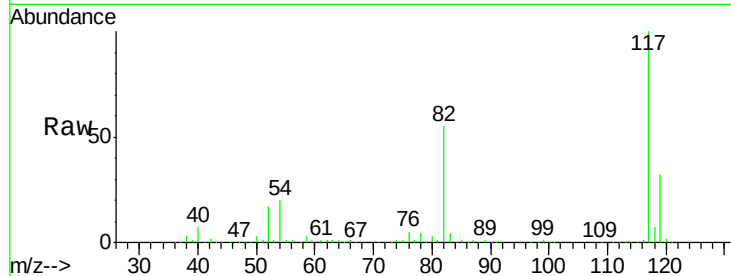
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0307WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	44.3	66.5
119	32.2	25.3	37.9

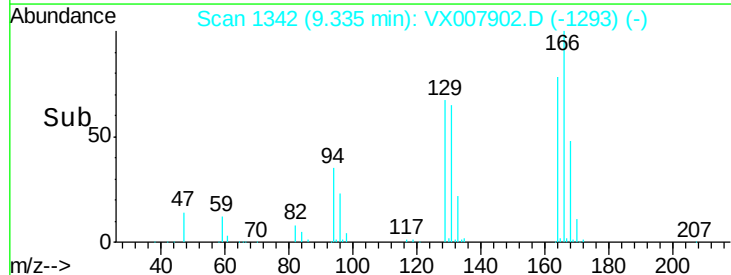
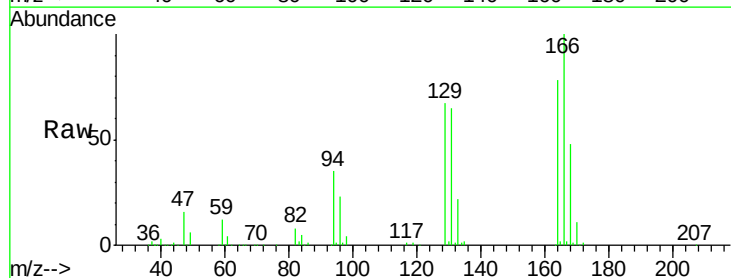
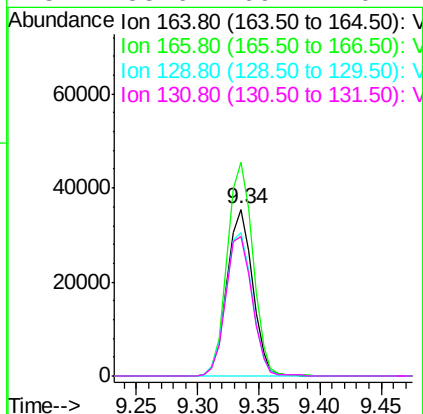
Manual Integrations
APPROVED

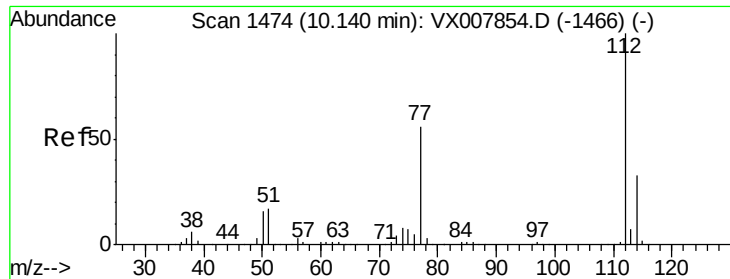
MMDadoda
3/8/2019 9:40:03 AM



#64
Tetrachloroethene
Concen: 18.263 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	103.4	155.0
129	85.7	72.2	108.4
131	83.6	69.4	104.2





#65

Chlorobenzene

Concen: 19.529 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBSD02

Tot Ion:112 Resp: 138835

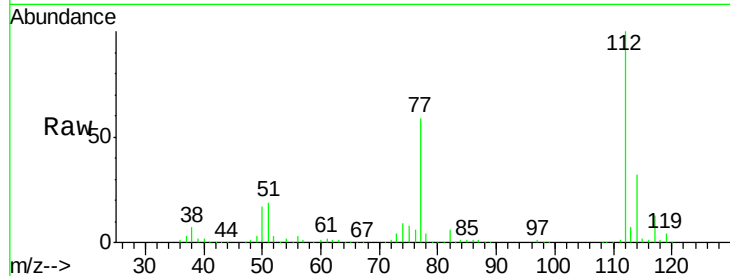
Ion Ratio Lower Upper

112 100

114 32.4 26.0 39.0

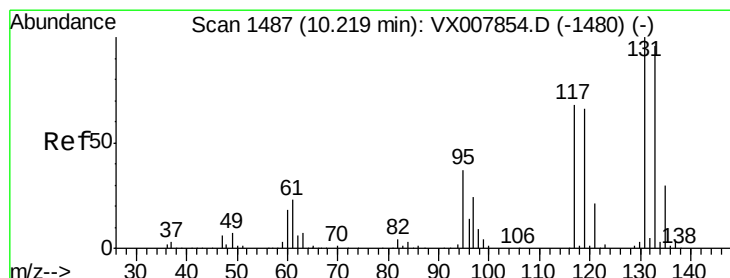
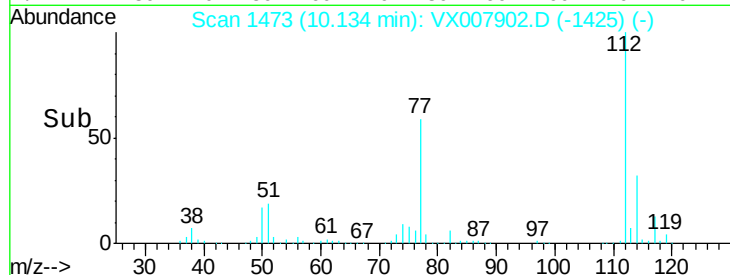
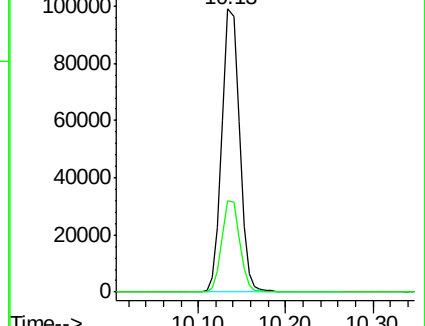
Manual Integrations
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3/8/2019 9:40:03 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.871 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

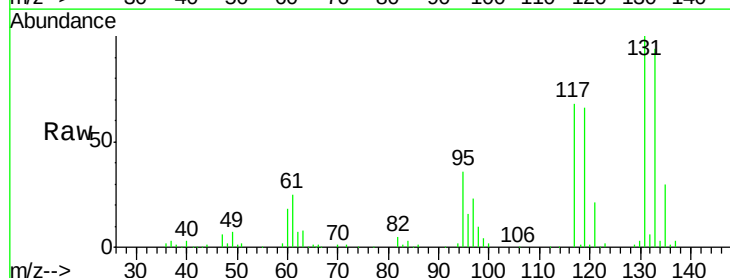
Tgt Ion:131 Resp: 50631

Ion Ratio Lower Upper

131 100

133 96.0 47.8 143.3

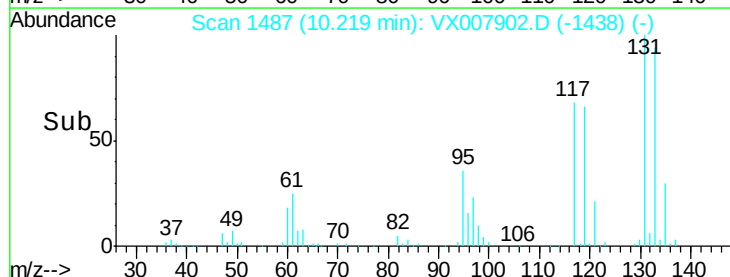
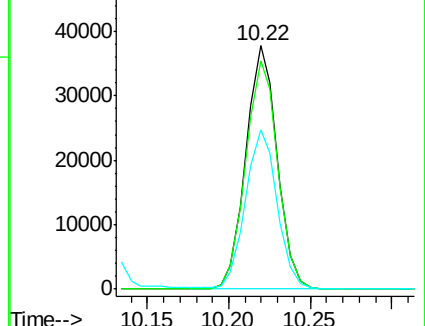
119 66.7 32.5 97.5

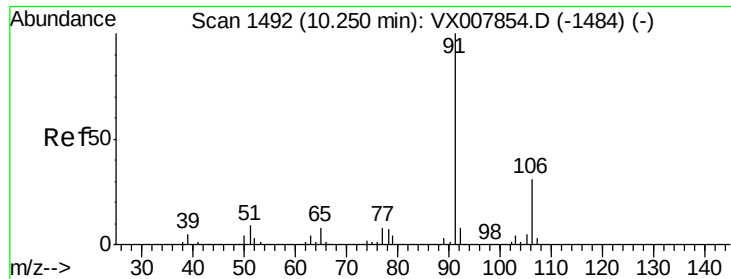


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





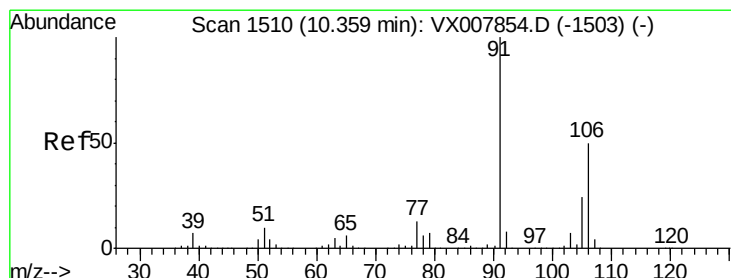
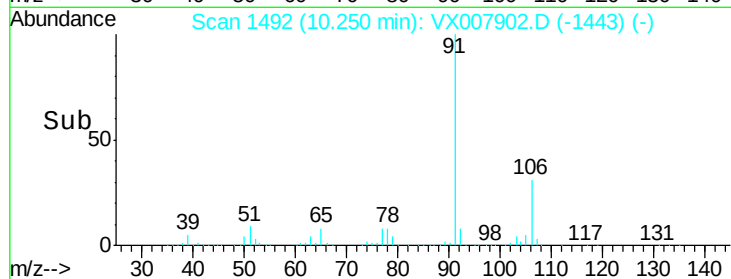
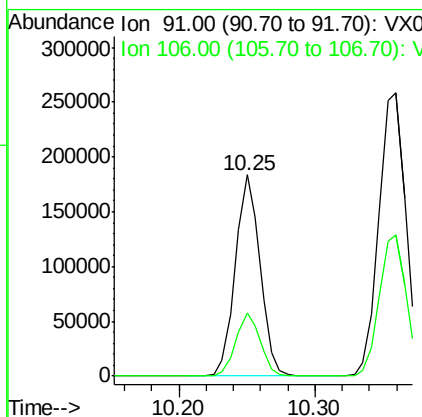
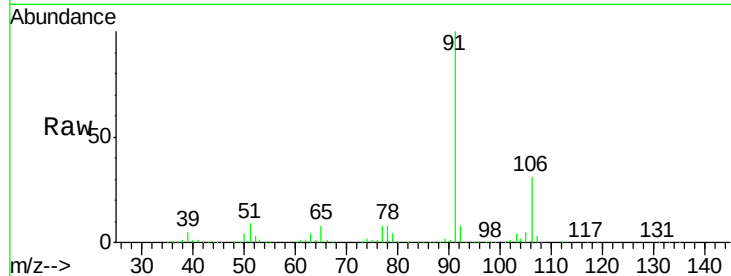
#67
Ethyl Benzene
Concen: 19.932 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0307WBSD02

Tot Ion: 91 Resp: 233256
Ion Ratio Lower Upper
91 100
106 31.4 25.2 37.8

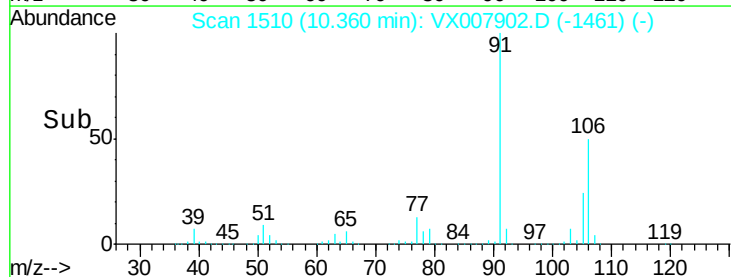
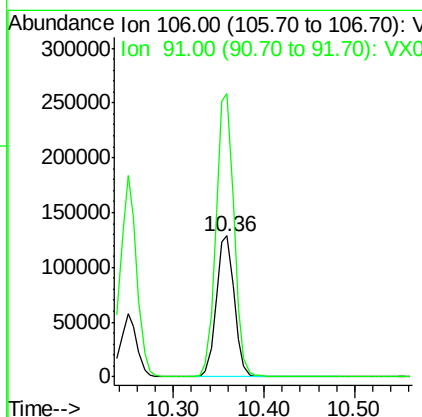
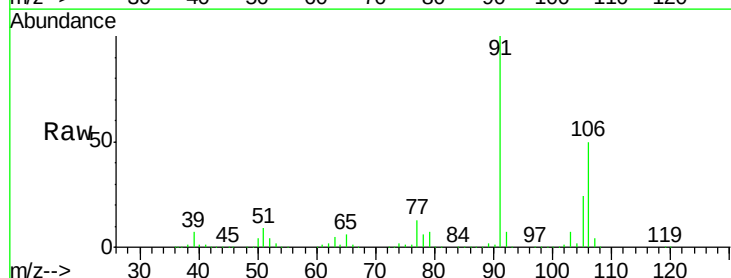
Manual Integrations
APPROVED

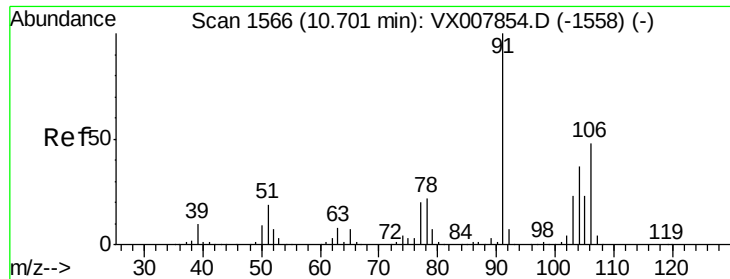
MMDadoda
3/8/2019 9:40:03 AM



#68
m/p-Xylenes
Concen: 39.700 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Tgt Ion: 106 Resp: 179079
Ion Ratio Lower Upper
106 100
91 201.0 159.8 239.6





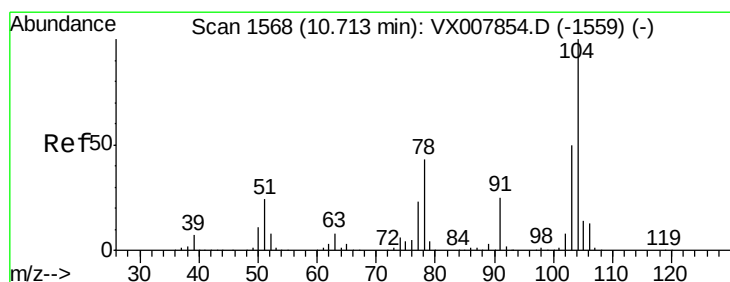
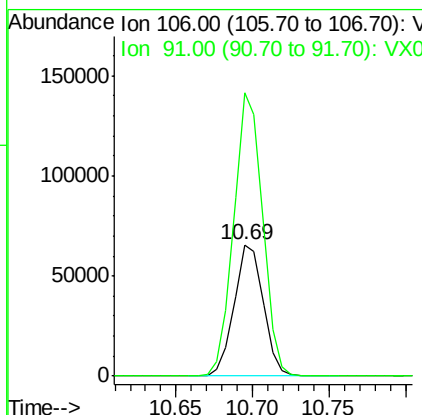
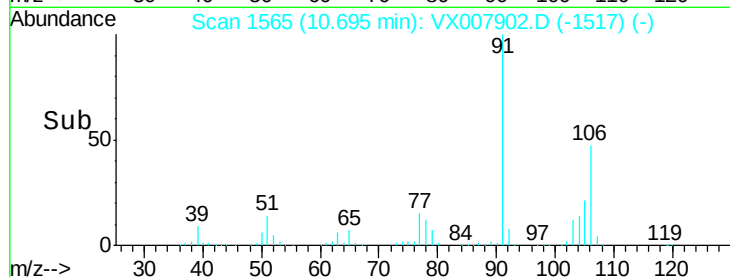
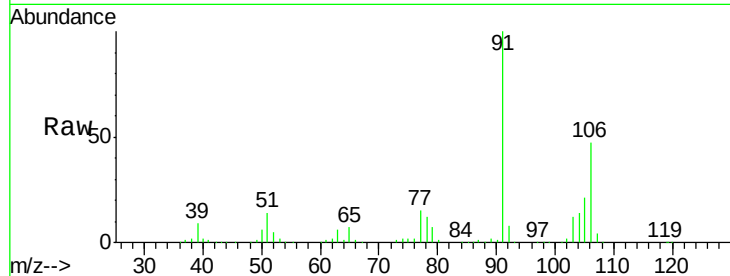
#69
o-Xylene
Concen: 20.013 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0307WBSD02

Tot Ion:106 Resp: 87153
Ion Ratio Lower Upper
106 100
91 212.5 106.3 318.9

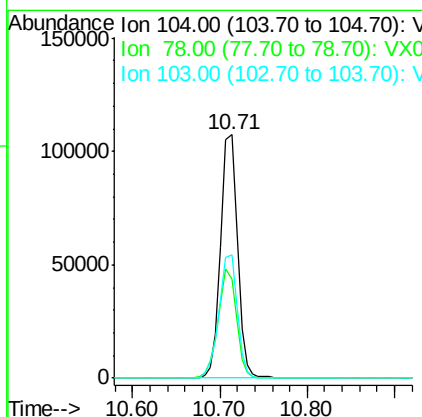
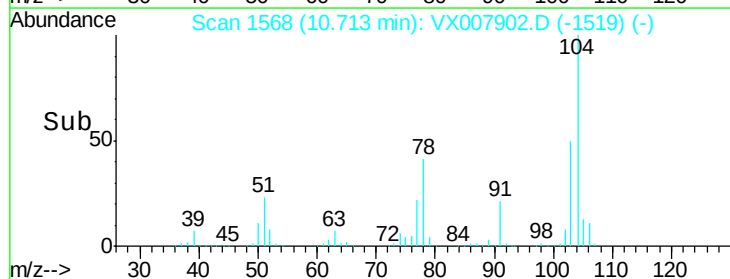
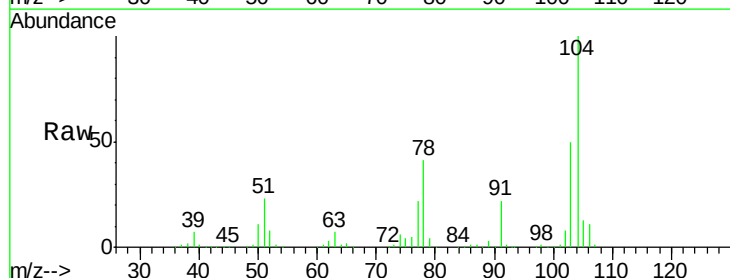
Manual Integrations
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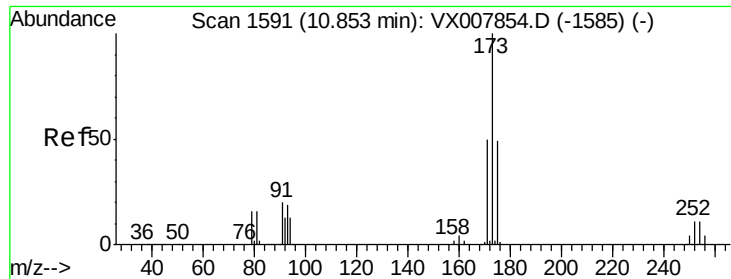
MMDadoda
3/8/2019 9:40:03 AM



#70
Styrene
Concen: 20.185 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Tgt Ion:104 Resp: 143843
Ion Ratio Lower Upper
104 100
78 48.5 38.5 57.7
103 55.2 44.1 66.1





#71

Bromoform

Concen: 19.589 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBSD02

Tot Ion:173 Resp: 42863

Ion Ratio Lower Upper

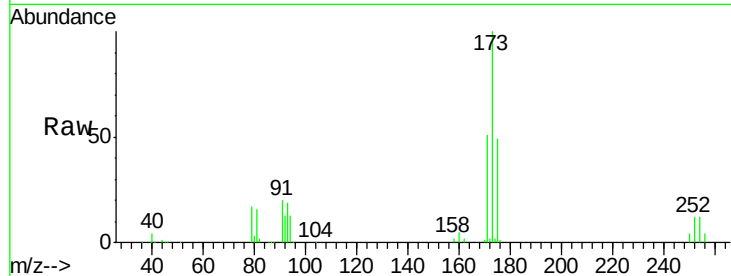
173 100

175 48.6 24.3 72.9

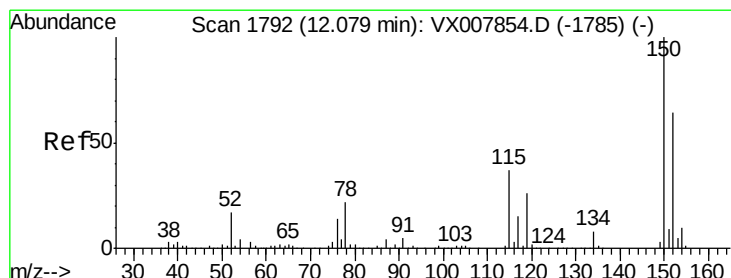
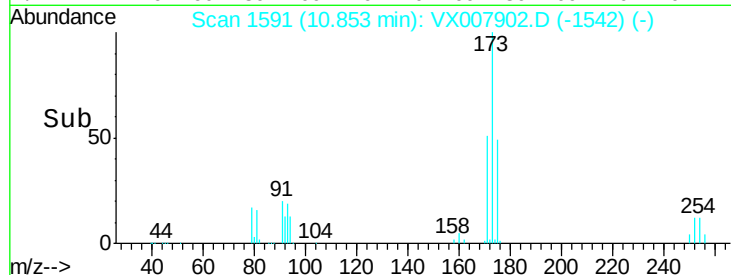
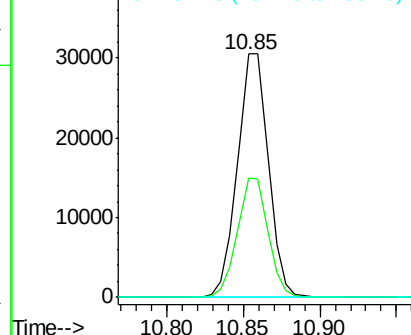
254 0.0 0.1 0.1#

Manual Integrations
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3/8/2019 9:40:03 AM



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: VX007902.D

Acq: 08 Mar 2019 00:17

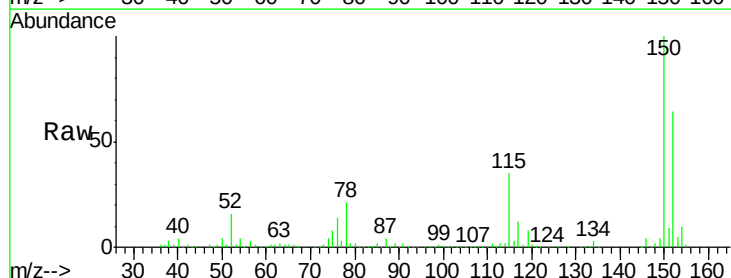
Tgt Ion:152 Resp: 165657

Ion Ratio Lower Upper

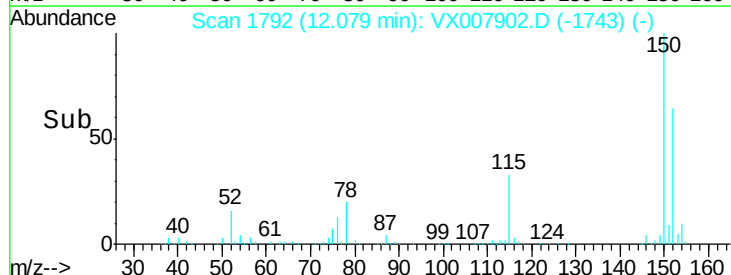
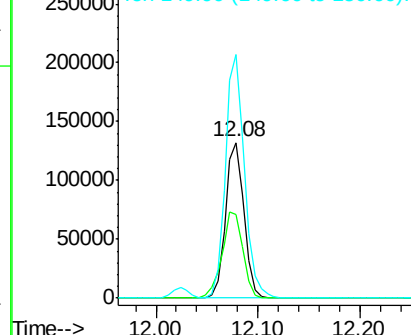
152 100

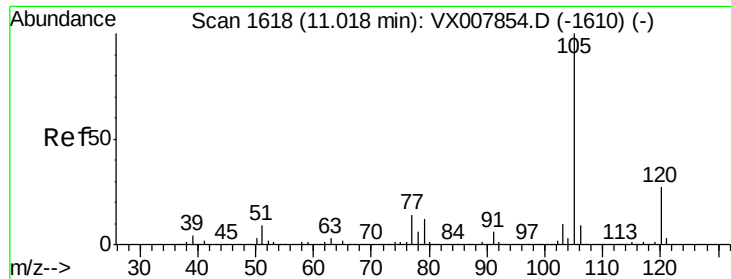
115 63.3 38.6 115.7

150 162.5 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: 20.699 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBSD02

Tot Ion: 105 Resp: 231907

Ion Ratio Lower Upper

105 100

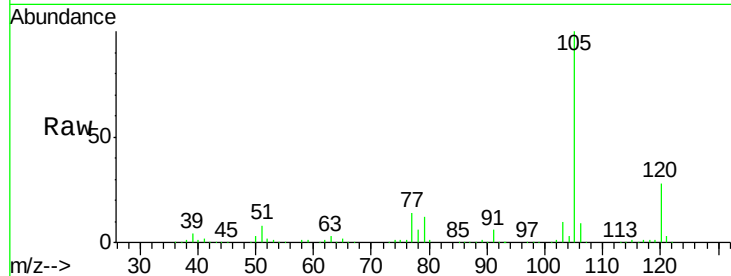
120 26.9 13.4 40.1

Manual Integrations

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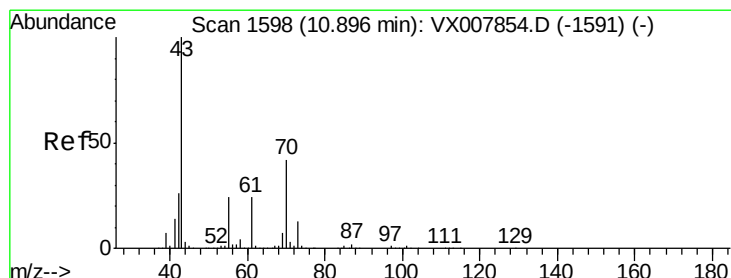
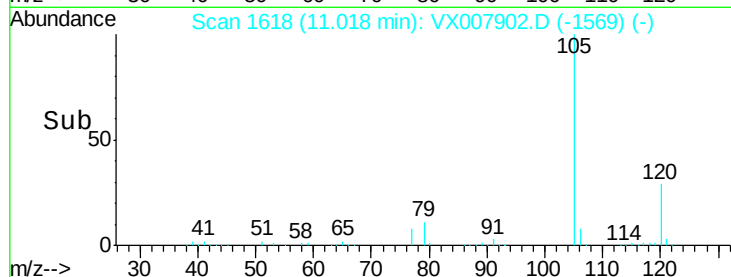
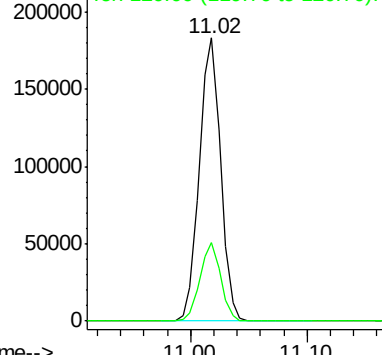
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.107 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Tgt Ion: 43 Resp: 107955

Ion Ratio Lower Upper

43 100

70 42.3 33.5 50.3

55 25.1 19.2 28.8

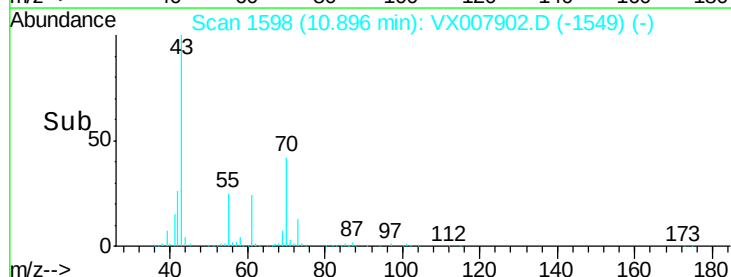
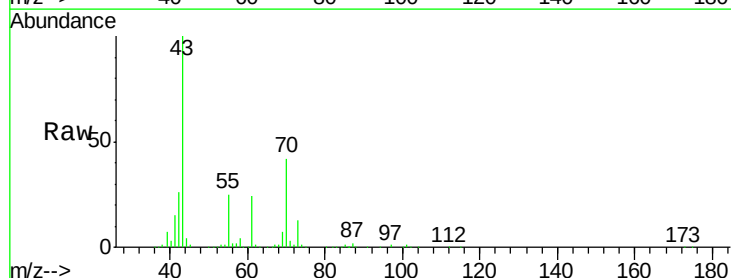
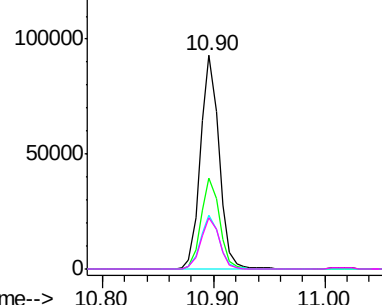
61 23.9 19.0 28.6

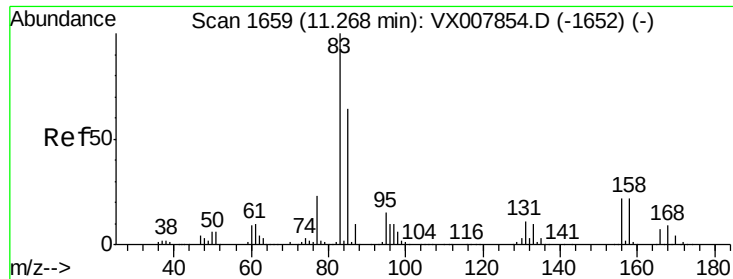
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.139 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Instrument :

MSVOA_X

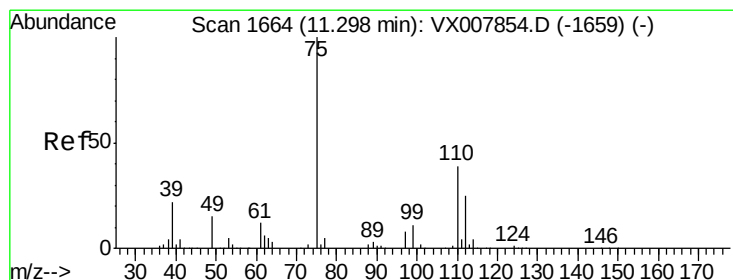
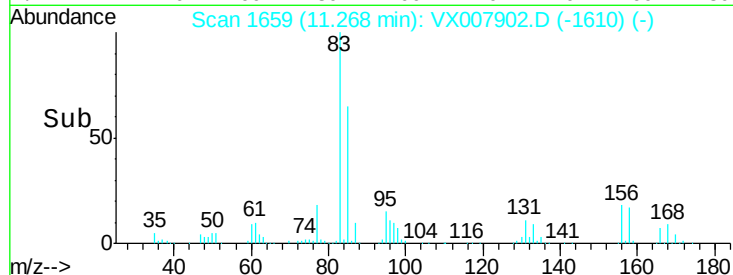
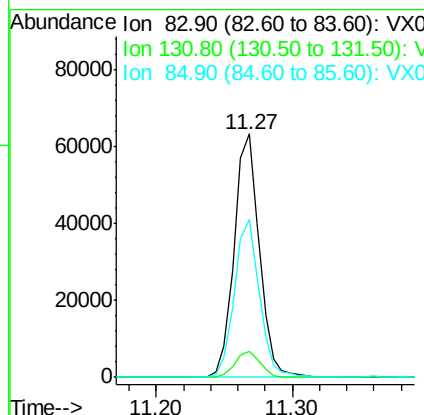
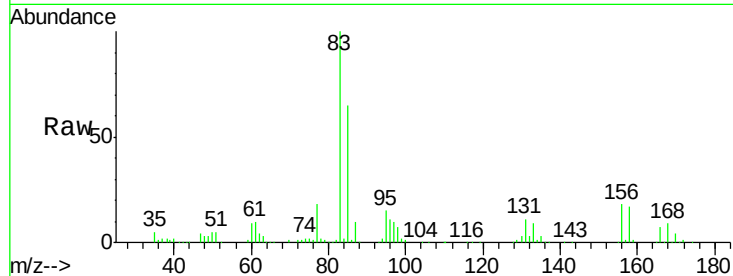
ClientSampleId :

VX0307WBSD02

Tot Ion:	83	Resp:	81693
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.4	16.2
85	64.2	32.3	96.8

Manual Integrations
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MMDadoda
3/8/2019 9:40:03 AM



#76

1,2,3-Trichloropropane

Concen: 22.136 ug/l m

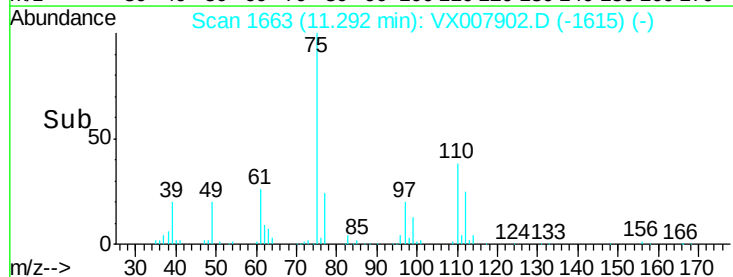
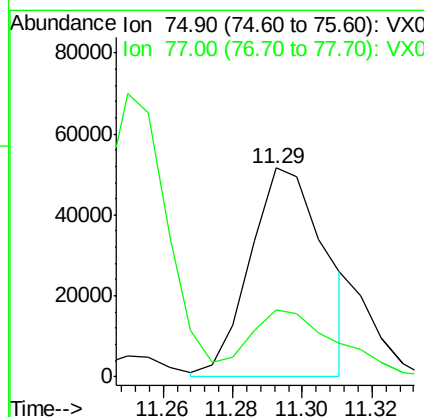
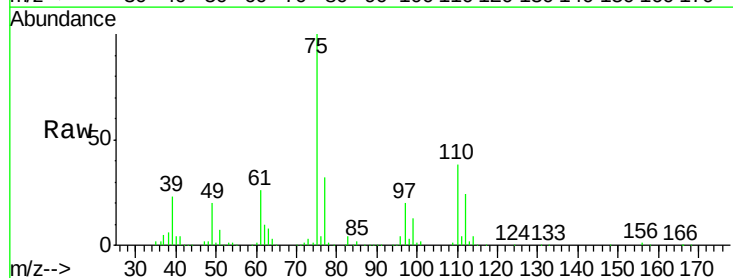
RT: 11.29 min Scan# 1663

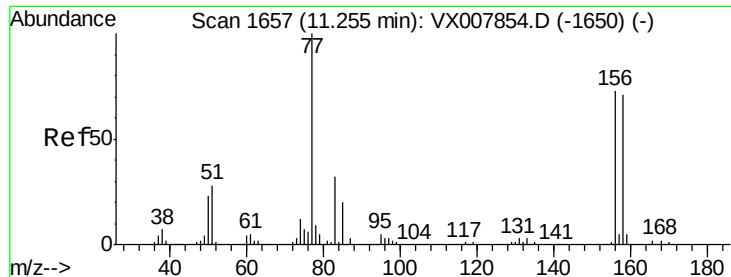
Delta R.T. -0.01 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Tgt Ion:	75	Resp:	76950
Ion Ratio	Lower	Upper	
75	100		
77	37.5	18.9	56.7





#77

Bromobenzene

Concen: 20.480 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBSD02

Tot Ion:156 Resp: 62907

Ion Ratio Lower Upper

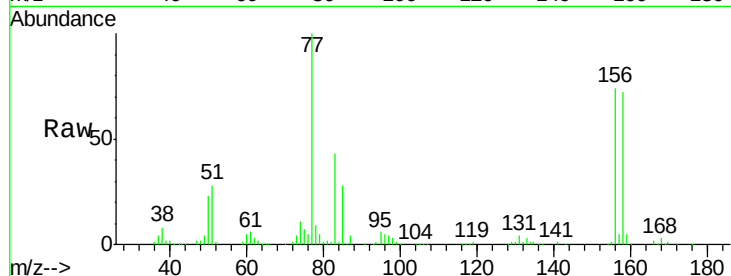
156 100

77 143.8 72.0 215.9

158 97.0 48.6 145.9

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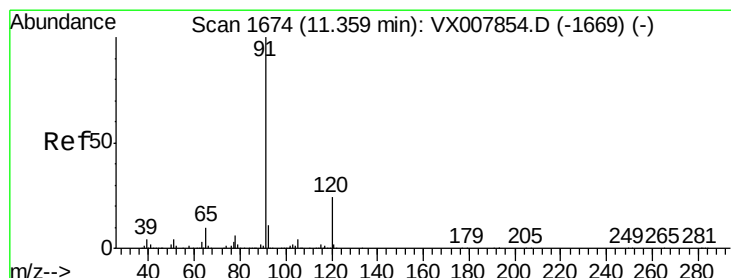
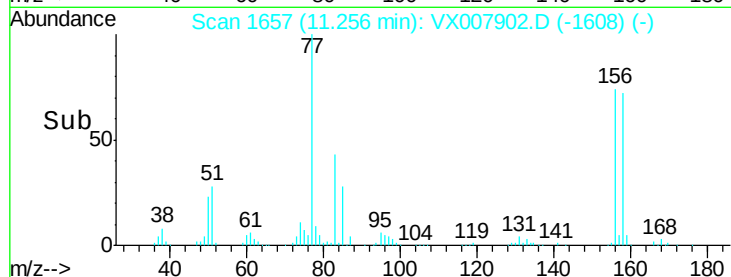
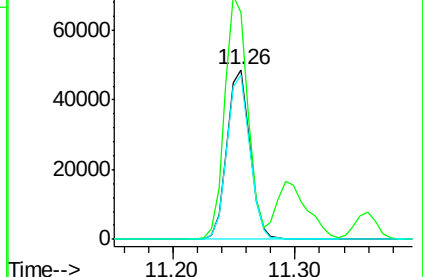
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.587 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007902.D

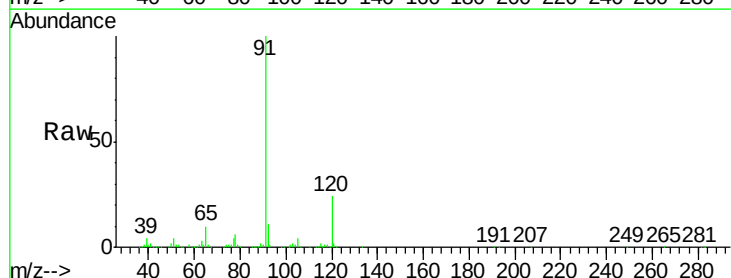
Acq: 08 Mar 2019 00:17

Tgt Ion: 91 Resp: 255881

Ion Ratio Lower Upper

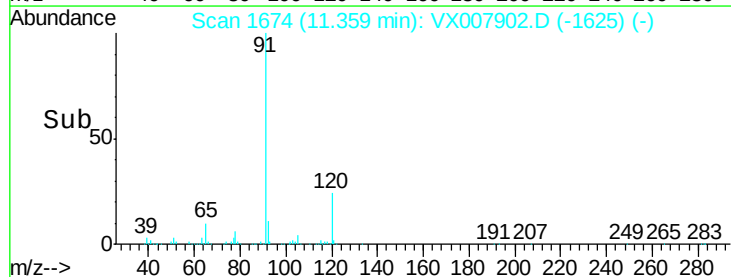
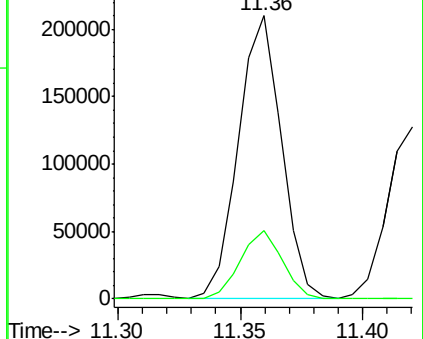
91 100

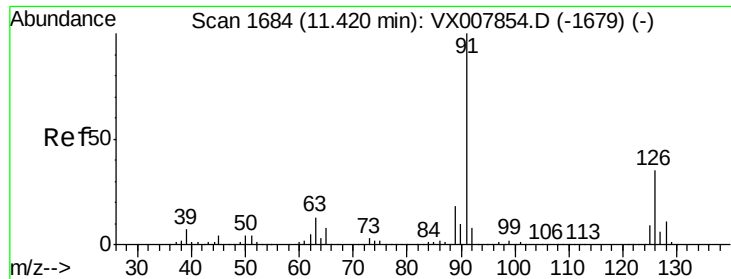
120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.553 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBSD02

Tot Ion: 91 Resp: 156189

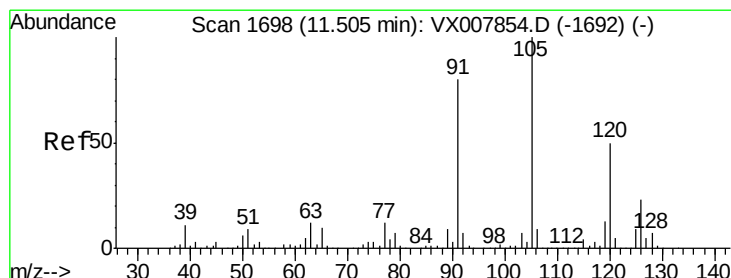
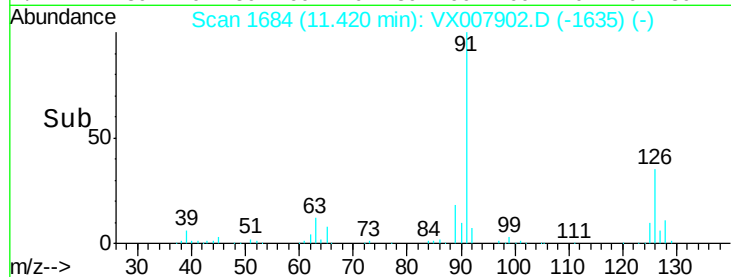
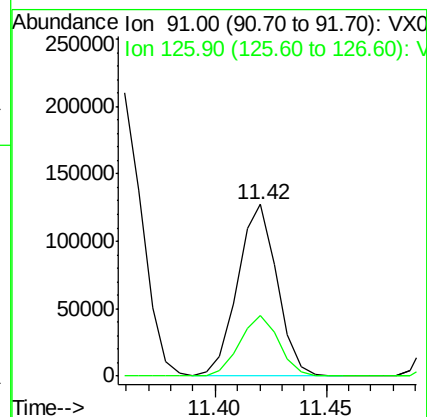
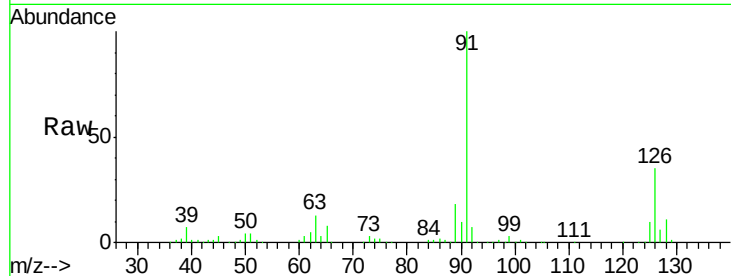
Ion Ratio Lower Upper

91 100

126 35.5 17.5 52.6

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#80

1,3,5-Trimethylbenzene

Concen: 20.665 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007902.D

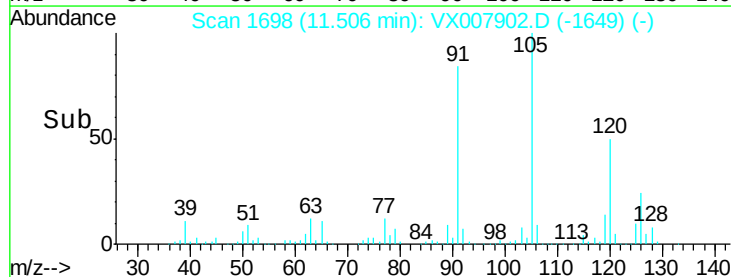
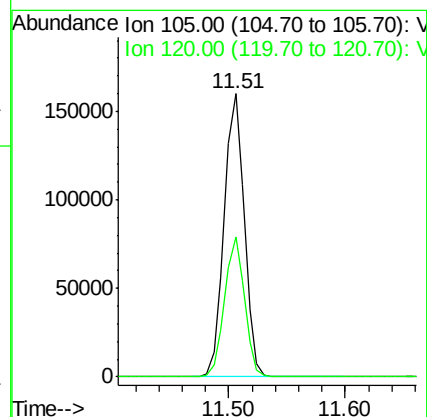
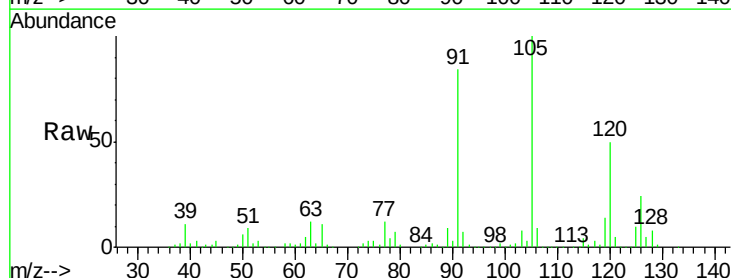
Acq: 08 Mar 2019 00:17

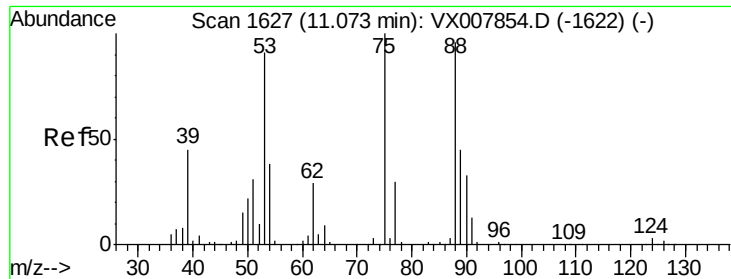
Tgt Ion: 105 Resp: 190555

Ion Ratio Lower Upper

105 100

120 49.0 24.9 74.6





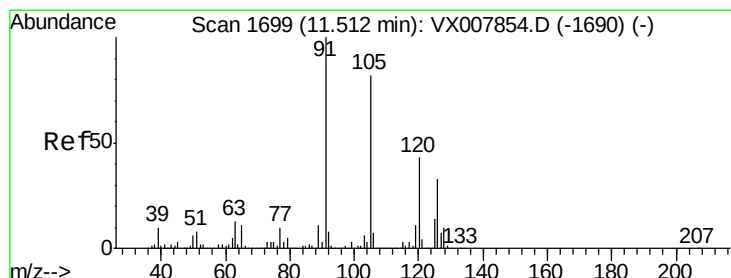
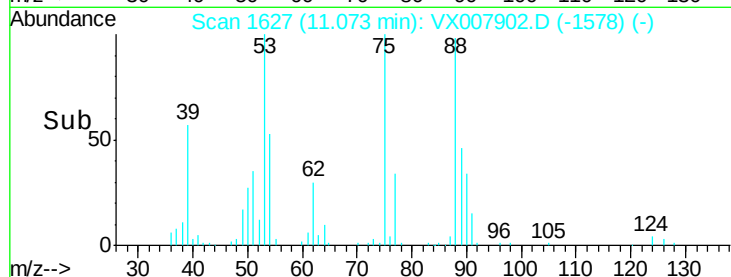
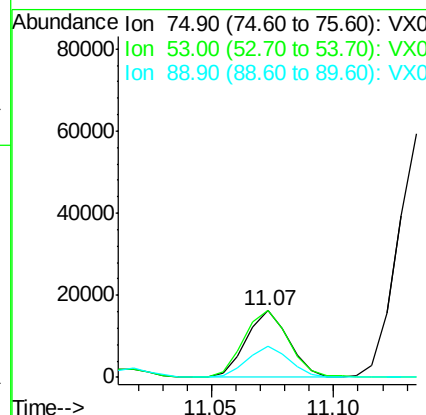
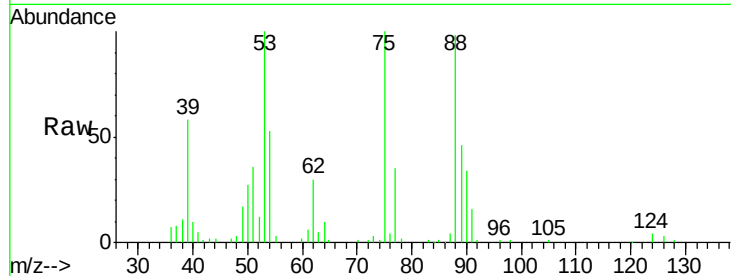
#81
trans-1,4-Dichloro-2-butene
Concen: 17.964 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0307WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.7	76.1	114.1
89	46.4	36.3	54.5

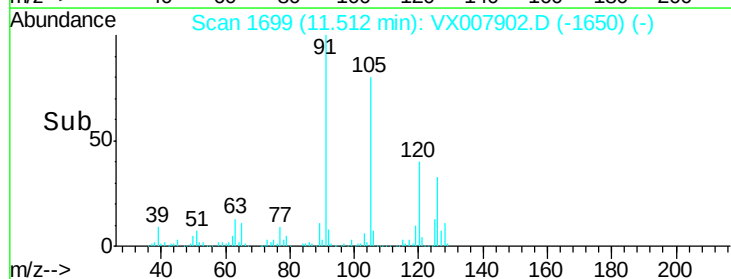
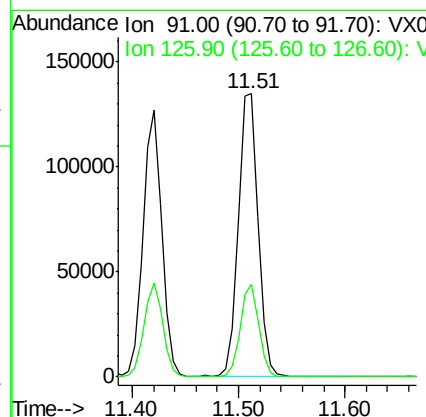
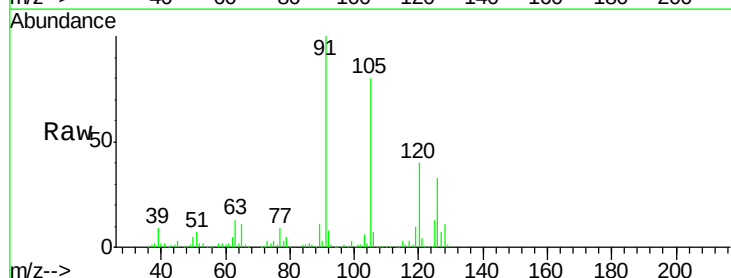
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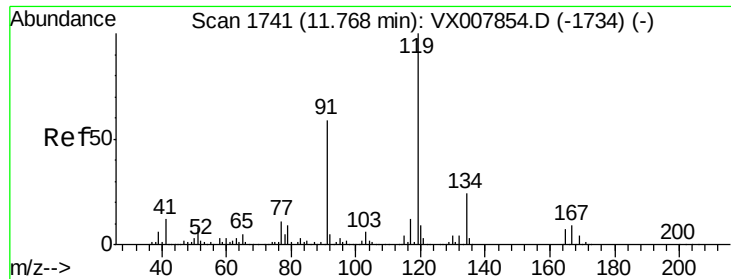
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#82
4-Chlorotoluene
Concen: 20.318 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.6	46.8





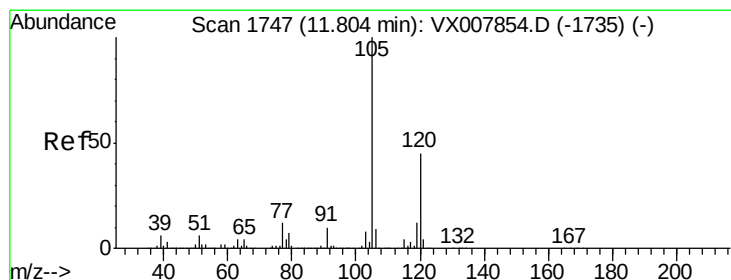
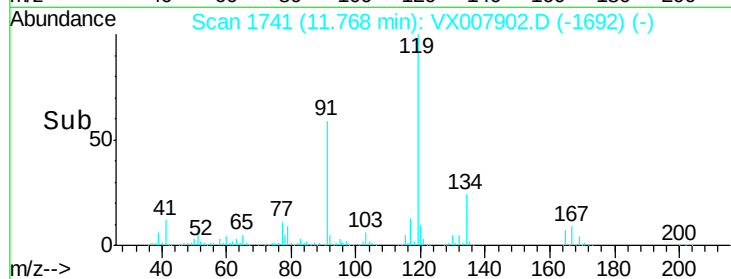
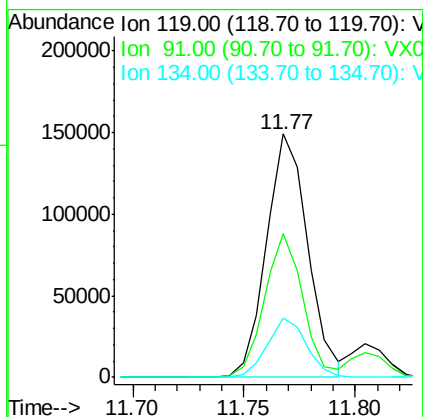
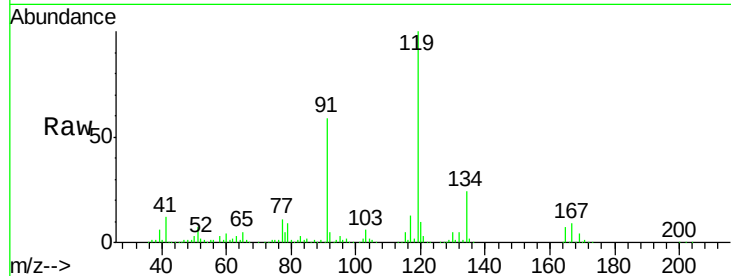
#83
 tert-Butylbenzene
 Concen: 20.681 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX007902.D
 Acq: 08 Mar 2019 00:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0307WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	192096		
91	54.9	27.1	81.3	
134	23.3	11.4	34.1	

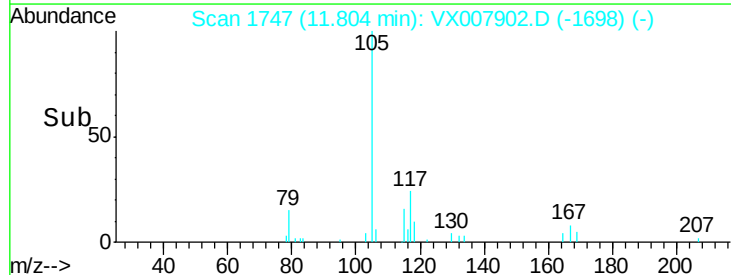
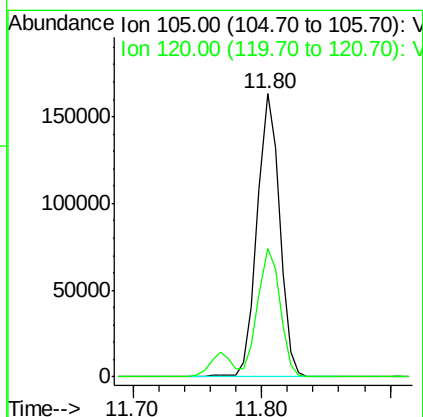
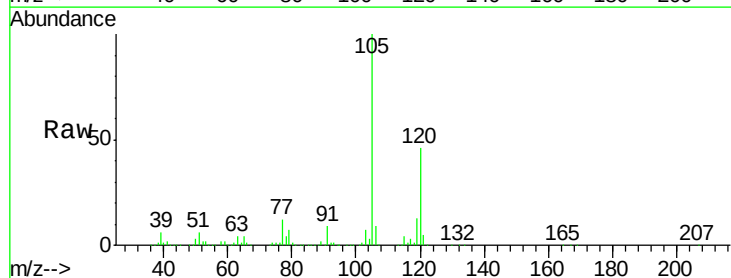
Manual Integrations
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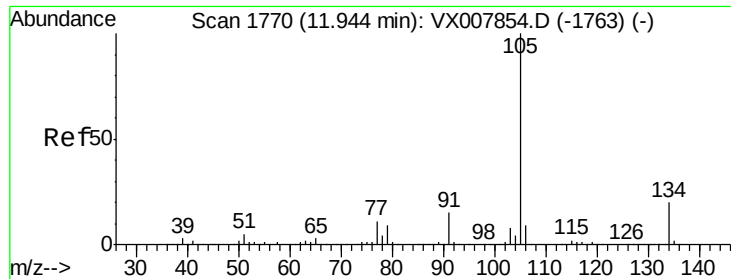
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.647 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007902.D
 Acq: 08 Mar 2019 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	195175		
120	45.1	22.6	67.7	





#85

sec-Butylbenzene

Concen: 20.488 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBSD02

Tot Ion:105 Resp: 224125

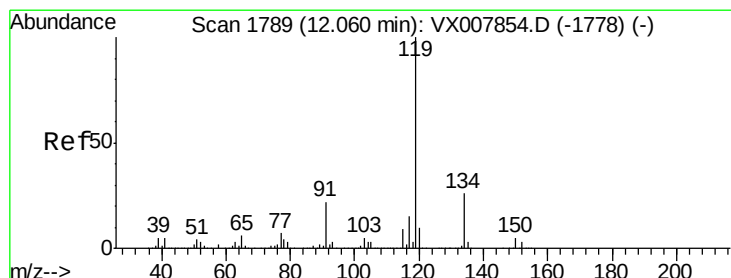
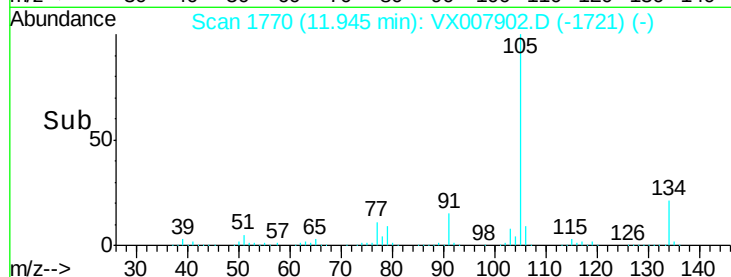
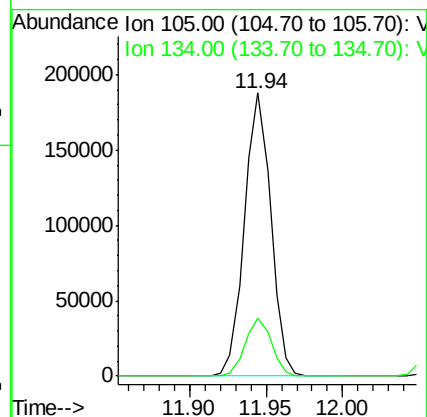
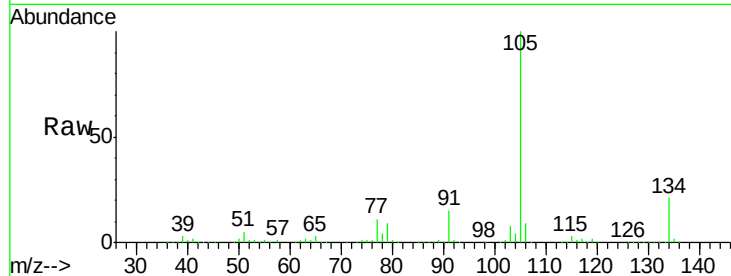
Ion Ratio Lower Upper

105 100

134 20.5 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 20.523 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

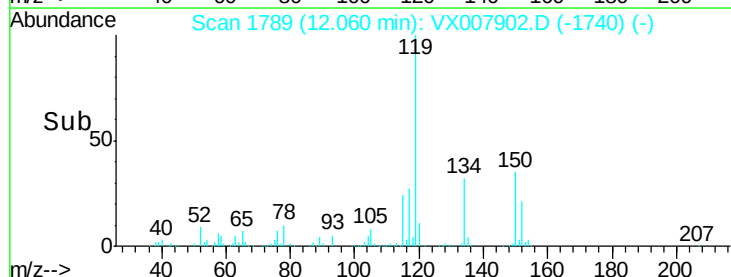
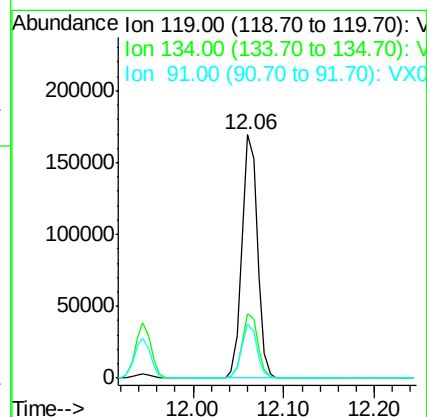
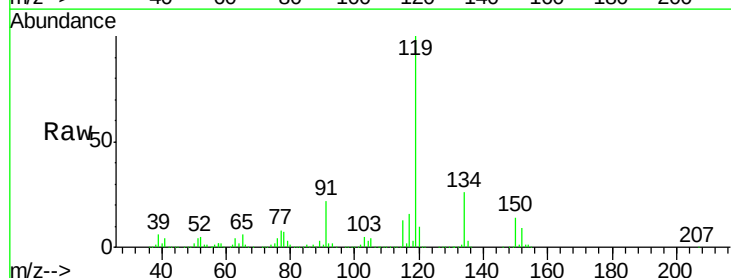
Tgt Ion:119 Resp: 201064

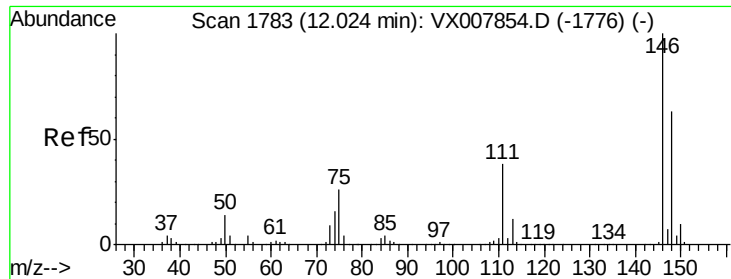
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 22.1 10.9 32.7





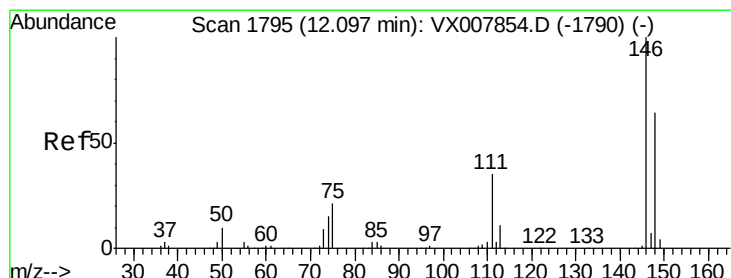
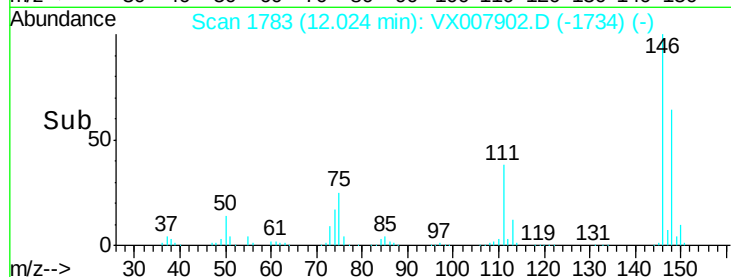
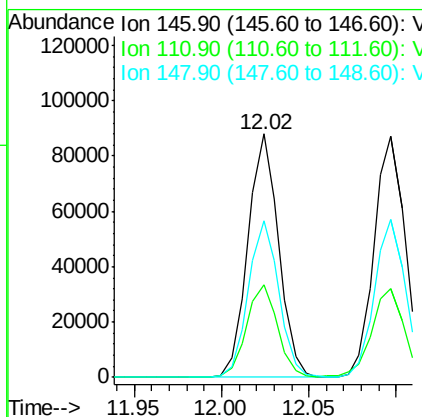
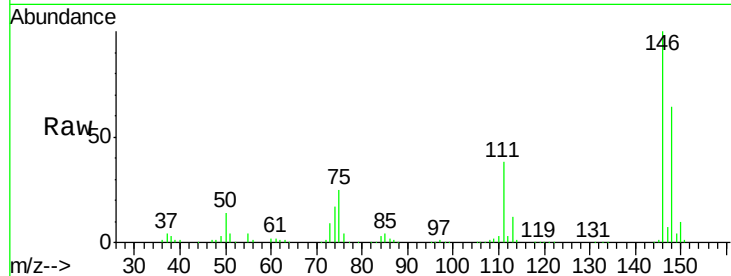
#87
 1,3-Dichlorobenzene
 Concen: 19.765 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007902.D
 Acq: 08 Mar 2019 00:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0307WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.7
148	64.2	31.7	95.1

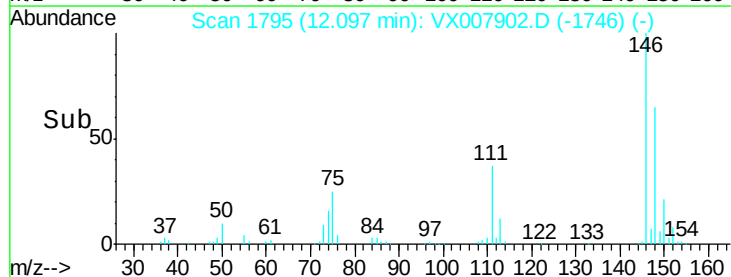
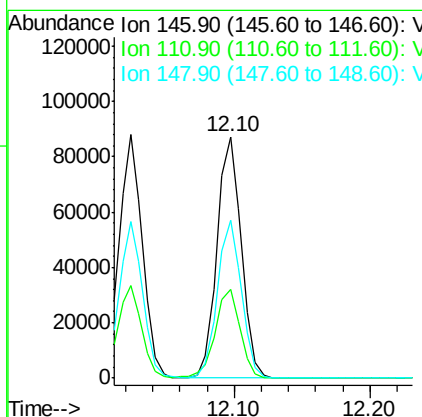
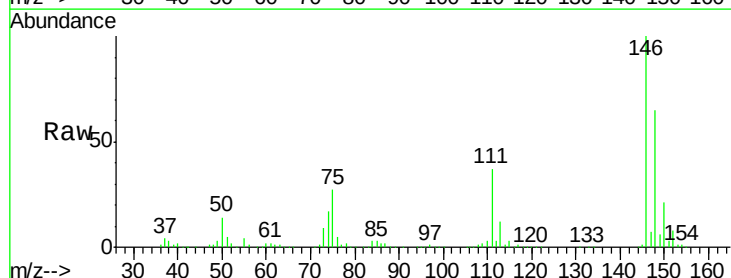
Manual Integrations
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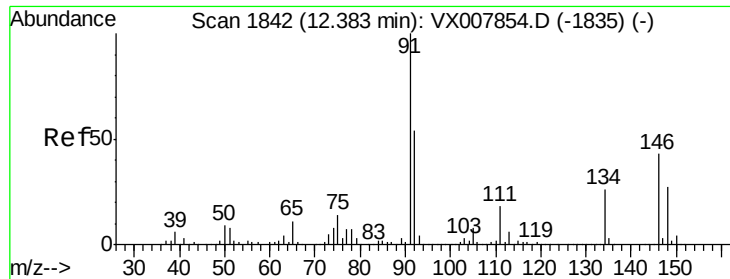
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#88
 1,4-Dichlorobenzene
 Concen: 19.377 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007902.D
 Acq: 08 Mar 2019 00:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.4	55.0
148	65.0	32.2	96.6





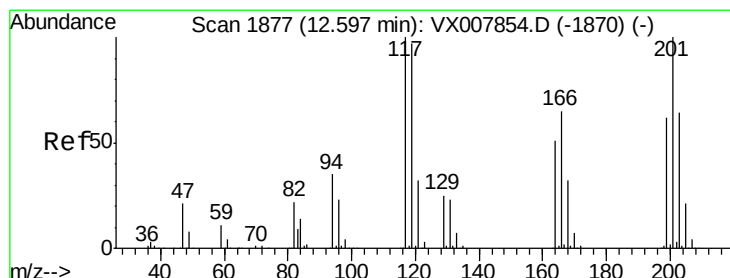
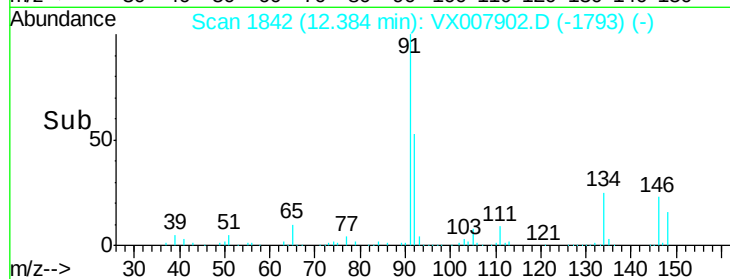
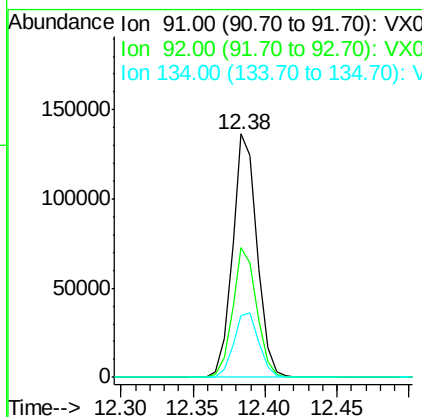
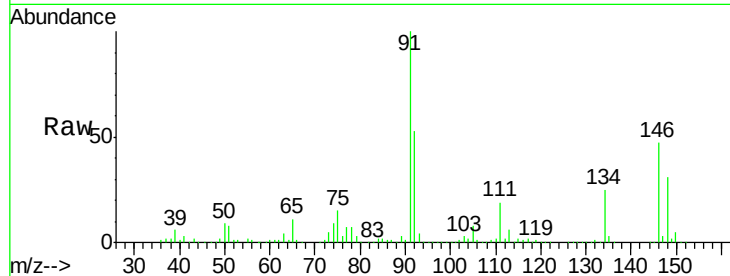
#89
n-Butylbenzene
Concen: 19.590 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Instrument :
MSVOA_X
ClientSampleId :
VX0307WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	27.0	80.8
134	27.1	13.7	41.0

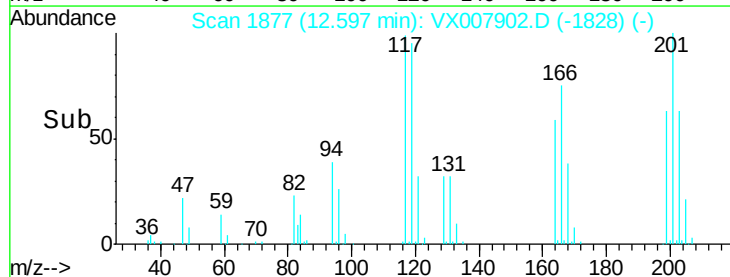
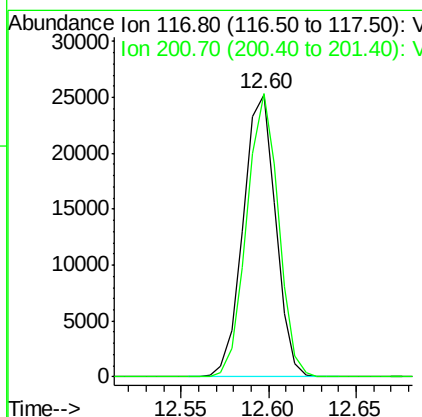
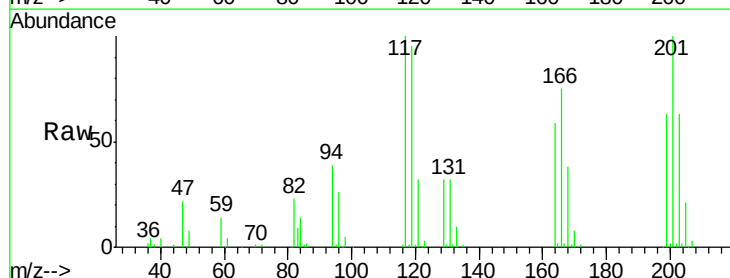
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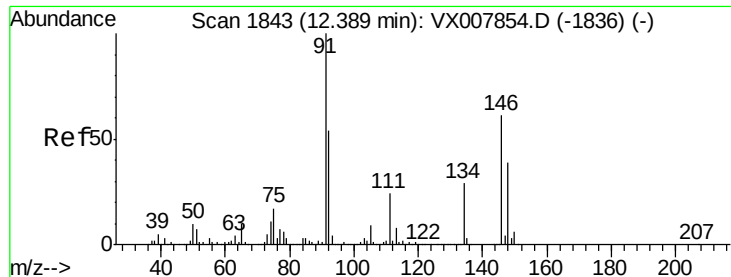
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#90
Hexachloroethane
Concen: 19.977 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007902.D
Acq: 08 Mar 2019 00:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.7	48.9	146.7





#91

1,2-Dichlorobenzene

Concen: 19.959 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Instrument :

MSVOA_X

ClientSampleId :

VX0307WBSD02

Tot Ion:146 Resp: 107746

Ion Ratio Lower Upper

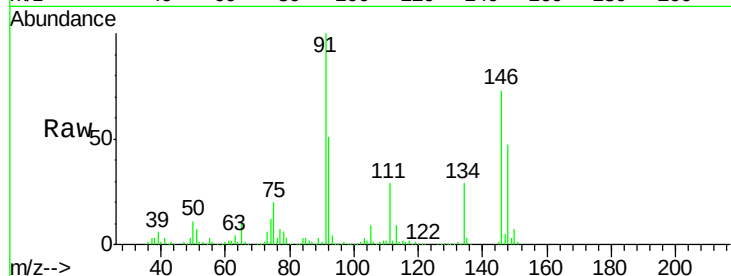
146 100

111 39.7 19.6 58.8

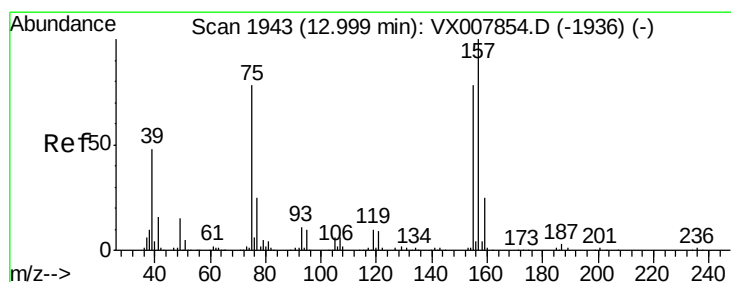
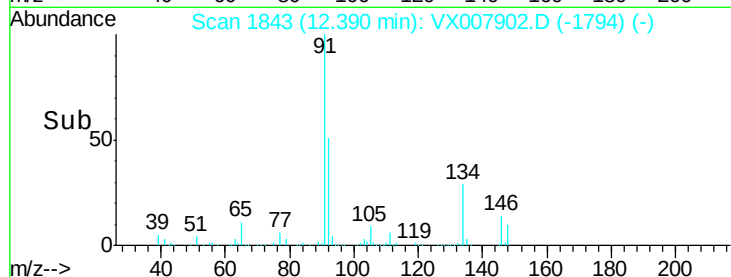
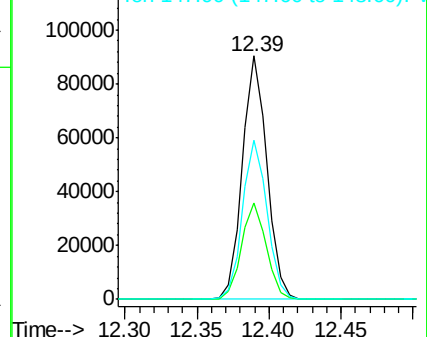
148 65.5 31.9 95.5

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.928 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

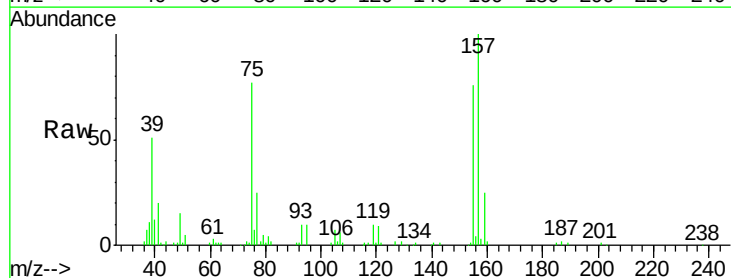
Tgt Ion: 75 Resp: 16095

Ion Ratio Lower Upper

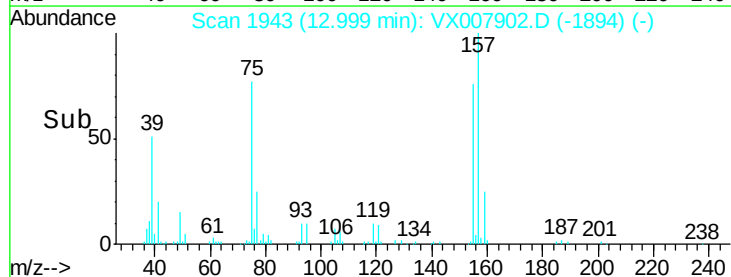
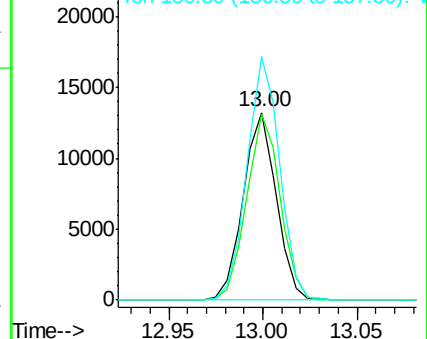
75 100

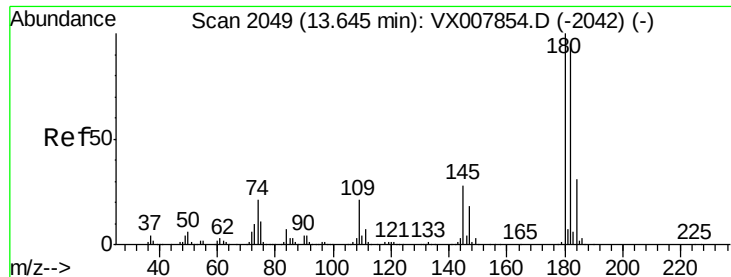
155 99.9 49.7 149.1

157 128.2 63.8 191.4



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





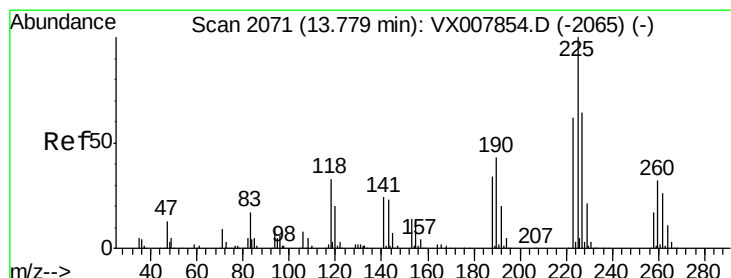
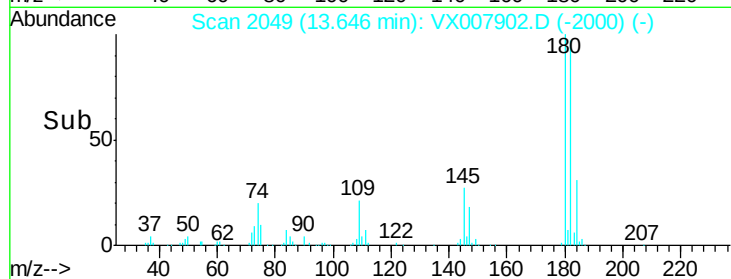
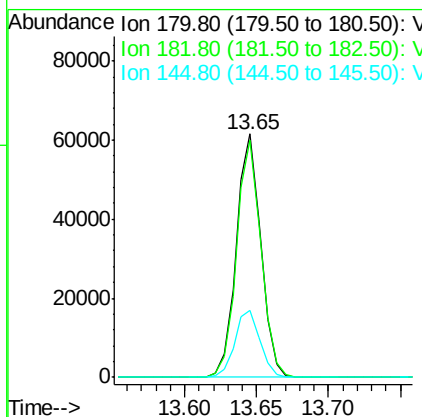
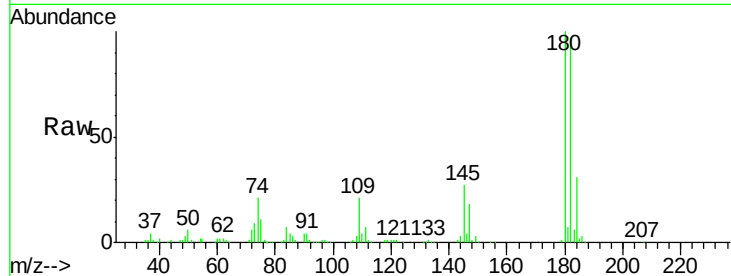
#93
 1,2,4-Trichlorobenzene
 Concen: 19.253 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007902.D
 Acq: 08 Mar 2019 00:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0307WBSD02

Tot Ion:	180	Resp:	73016
Ion Ratio	Lower	Upper	
180	100		
182	96.8	47.9	143.7
145	28.2	14.1	42.4

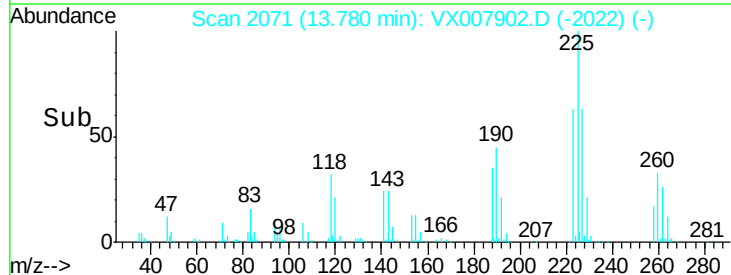
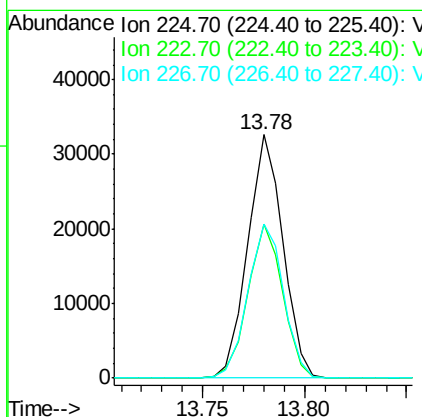
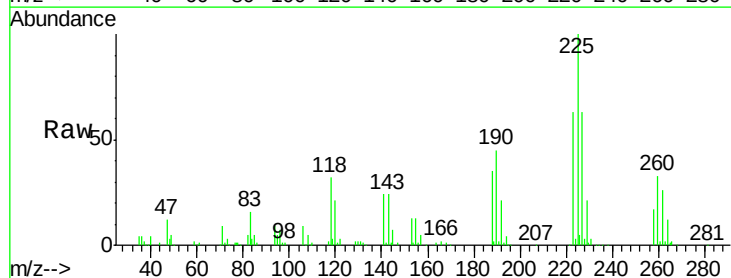
Manual Integrations
 APPROVED

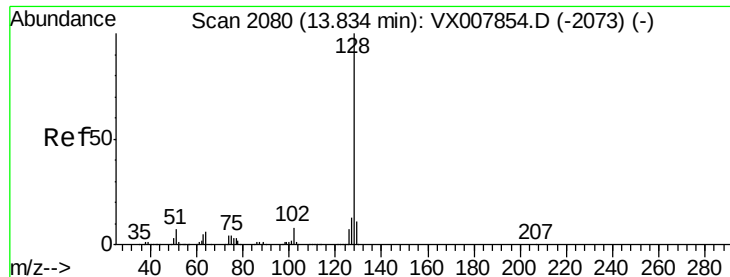
MMDadoda
 3/8/2019 9:40:03 AM



#94
 Hexachlorobutadiene
 Concen: 19.738 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007902.D
 Acq: 08 Mar 2019 00:17

Tgt Ion:	225	Resp:	39136
Ion Ratio	Lower	Upper	
225	100		
223	62.5	31.1	93.2
227	64.3	32.0	96.0





#95

Naphthalene

Concen: 20.111 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Instrument :

MSVOA_X

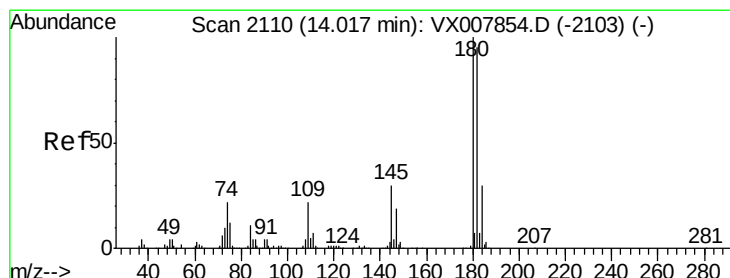
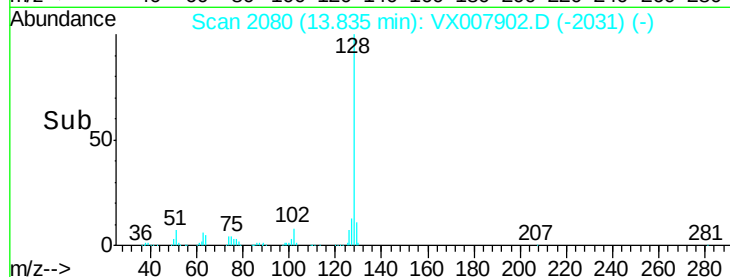
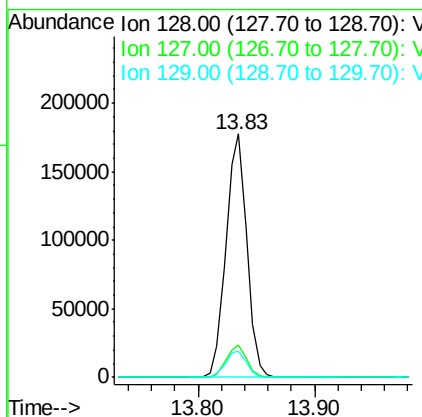
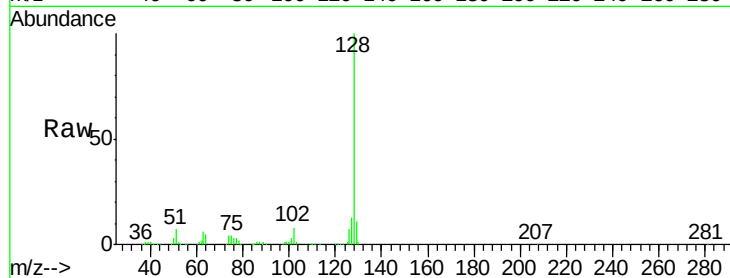
ClientSampleId :

VX0307WBSD02

Tot Ion:	128	Resp:	219753
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/8/2019 9:40:03 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.642 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007902.D

Acq: 08 Mar 2019 00:17

Tgt Ion:	180	Resp:	74205
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.5	142.5
145	29.9	14.8	44.3

