

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030619\
 Data File : VX007855.D
 Acq On : 06 Mar 2019 11:27
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 3/7/2019 10:35:01 AM

Quant Time: Mar 07 07:29:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 06:50:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	289163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	419559	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	365491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	192887	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	296348	97.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.30%	
35) Dibromofluoromethane	5.50	113	264464	98.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.08%	
50) Toluene-d8	8.71	98	981934	99.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.24%	
62) 4-Bromofluorobenzene	11.13	95	349997	101.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	238892	96.699	ug/l	99
3) Chloromethane	1.33	50	295891	92.939	ug/l	99
4) Vinyl Chloride	1.41	62	310184	98.054	ug/l	99
5) Bromomethane	1.64	94	147177	76.514	ug/l	100
6) Chloroethane	1.71	64	188515	89.704	ug/l	99
7) Trichlorofluoromethane	1.92	101	398594	96.778	ug/l	98
8) Diethyl Ether	2.19	74	173858	97.482	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	244119	95.647	ug/l	100
10) Methyl Iodide	2.51	142	373161	103.059	ug/l	99
11) Tert butyl alcohol	3.09	59	328384	481.381	ug/l	100
12) 1,1-Dichloroethene	2.37	96	238116	96.786	ug/l	99
13) Acrolein	2.30	56	192105	466.361	ug/l	99
14) Allyl chloride	2.73	41	507661	98.199	ug/l	100
15) Acrylonitrile	3.15	53	817546	474.803	ug/l	100
16) Acetone	2.45	43	810446	459.024	ug/l	100
17) Carbon Disulfide	2.57	76	744920	90.179	ug/l	100
18) Methyl Acetate	2.78	43	363018	96.781	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	829568	98.014	ug/l	100
20) Methylene Chloride	2.85	84	261365	93.014	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	255457	94.368	ug/l	98
22) Diisopropyl ether	3.87	45	919686	97.048	ug/l	99
23) Vinyl Acetate	3.82	43	4095055	492.769	ug/l	100
24) 1,1-Dichloroethane	3.70	63	497740	97.599	ug/l	99
25) 2-Butanone	4.70	43	1194866	478.020	ug/l	99
26) 2,2-Dichloropropane	4.59	77	343725	101.733	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	300220	96.918	ug/l	100
28) Bromochloromethane	5.02	49	228514	96.112	ug/l	100
29) Tetrahydrofuran	5.15	42	763393	489.614	ug/l	100
30) Chloroform	5.21	83	470414	97.513	ug/l	99
31) Cyclohexane	5.57	56	464230	99.044	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	405333	101.267	ug/l	99
36) 1,1-Dichloropropene	5.80	75	365736	96.271	ug/l	100
37) Ethyl Acetate	4.86	43	432719	95.983	ug/l	99
38) Carbon Tetrachloride	5.78	117	363556	100.801	ug/l	98

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Quant Time: Mar 07 07:29:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 06:50:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	463886	100.771	ug/l	98
40) Benzene	6.14	78	1114272	98.522	ug/l	100
41) Methacrylonitrile	5.06	41	241312	98.177	ug/l	99
42) 1,2-Dichloroethane	6.20	62	360128	97.366	ug/l	100
43) Isopropyl Acetate	6.46	43	675716	101.275	ug/l	100
44) Trichloroethene	7.21	130	301287	96.666	ug/l	98
45) 1,2-Dichloropropane	7.52	63	295584	98.952	ug/l	99
46) Dibromomethane	7.66	93	185247	97.992	ug/l	99
47) Bromodichloromethane	7.90	83	364739	101.764	ug/l	99
48) Methyl methacrylate	7.77	41	352963	100.619	ug/l	99
49) 1,4-Dioxane	7.75	88	143052	1985.171	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	2116901	493.353	ug/l	99
52) Toluene	8.79	92	680280	98.520	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	410390	109.703	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	450655	106.678	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	274785	98.306	ug/l	100
56) Ethyl methacrylate	9.18	69	437424	104.227	ug/l	99
57) 1,3-Dichloropropane	9.37	76	460706	98.162	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1128055	519.616	ug/l	100
59) 2-Hexanone	9.50	43	1645134	493.838	ug/l	100
60) Dibromochloromethane	9.58	129	305320	104.503	ug/l	99
61) 1,2-Dibromoethane	9.67	107	292859	98.682	ug/l	100
64) Tetrachloroethene	9.33	164	278744	92.031	ug/l	98
65) Chlorobenzene	10.14	112	742125	97.033	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	277541	101.252	ug/l	100
67) Ethyl Benzene	10.25	91	1267023	100.640	ug/l	100
68) m/p-Xylenes	10.36	106	978183	201.575	ug/l	100
69) o-Xylene	10.70	106	475785	101.555	ug/l	99
70) Styrene	10.71	104	793106	103.451	ug/l	100
71) Bromoform	10.86	173	251289	106.751	ug/l	# 100
73) Isopropylbenzene	11.02	105	1260702	96.641	ug/l	99
74) N-amyl acetate	10.90	43	603852	101.394	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	420032	93.345	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	394488m	96.660	ug/l	
77) Bromobenzene	11.26	156	336344	94.041	ug/l	99
78) n-propylbenzene	11.36	91	1440910	99.564	ug/l	100
79) 2-Chlorotoluene	11.42	91	840300	94.964	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1057686	98.509	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	140032	110.588	ug/l	96
82) 4-Chlorotoluene	11.51	91	986582	97.291	ug/l	100
83) tert-Butylbenzene	11.77	119	1080721	99.926	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1086135	98.679	ug/l	99
85) sec-Butylbenzene	11.94	105	1272900	99.931	ug/l	99
86) p-Isopropyltoluene	12.07	119	1156086	101.344	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	608646	96.192	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	608756	93.872	ug/l	100
89) n-Butylbenzene	12.39	91	1012836	104.798	ug/l	99
90) Hexachloroethane	12.60	117	197363	103.478	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	603560	96.019	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	95324	101.363	ug/l	98

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VSTDICC100

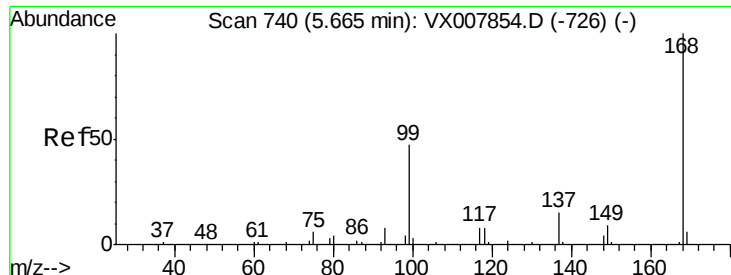
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Mar 07 06:50:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	451414	102.228	ug/l	99
94) Hexachlorobutadiene	13.78	225	227533	98.556	ug/l	99
95) Naphthalene	13.83	128	1322471	103.941	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	440297	100.093	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 289163

Ion Ratio Lower Upper

168 100

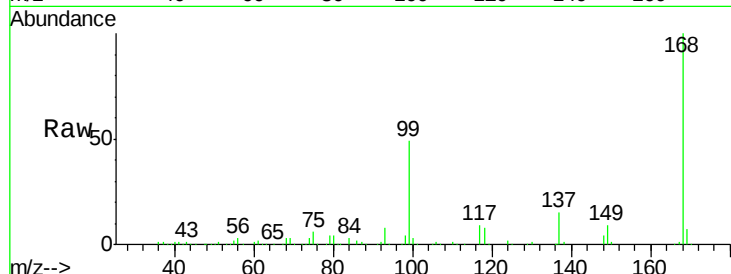
99 48.4 37.6 56.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

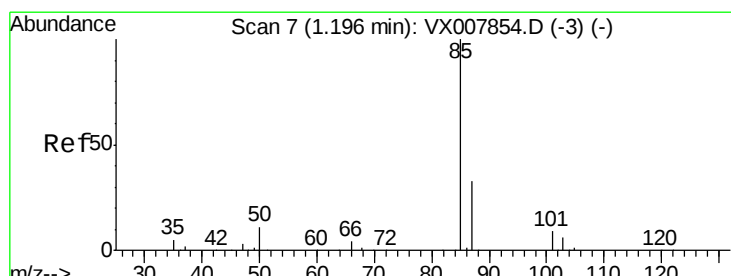
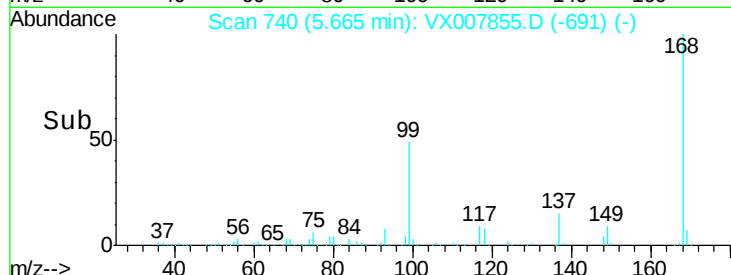
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 96.699 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX007855.D

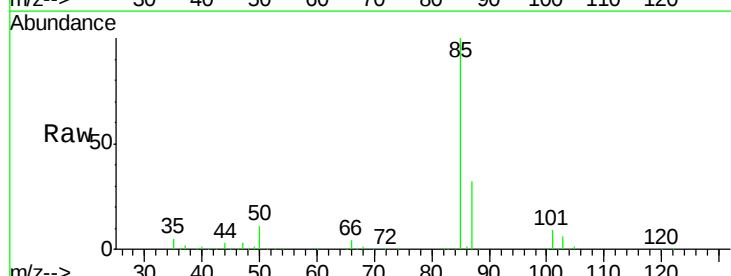
Acq: 06 Mar 2019 11:27

Tgt Ion: 85 Resp: 238892

Ion Ratio Lower Upper

85 100

87 32.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

250000

200000

150000

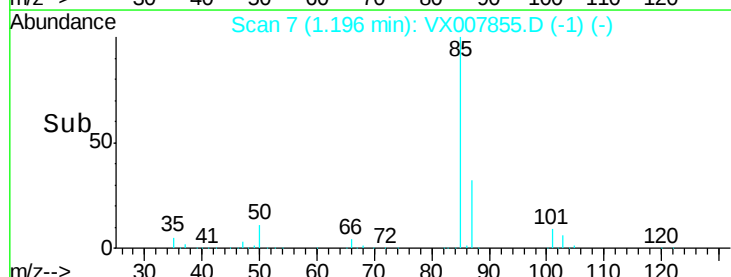
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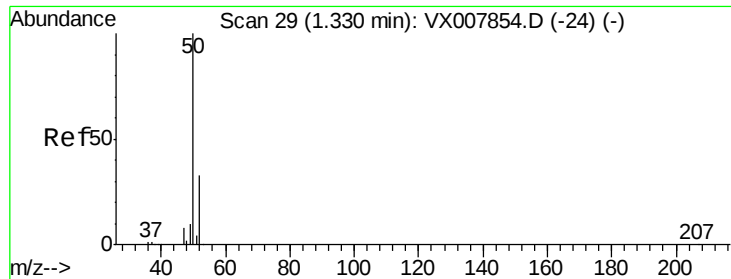
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 92.939 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 295891

Ion Ratio Lower Upper

50 100

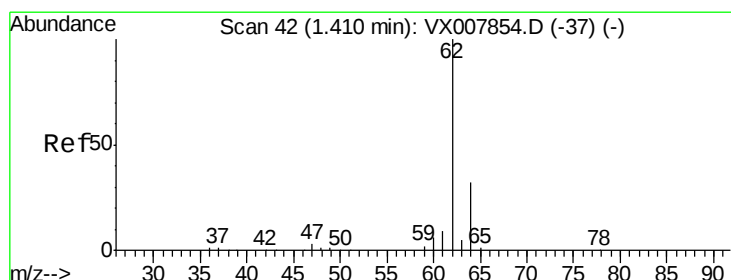
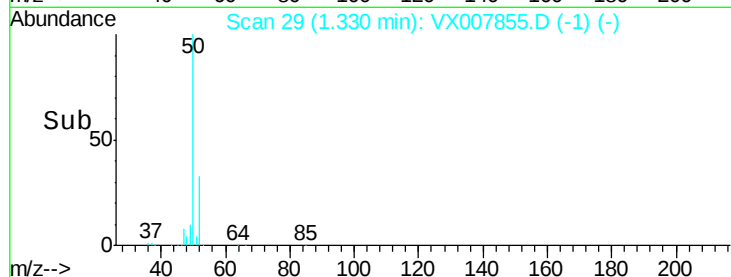
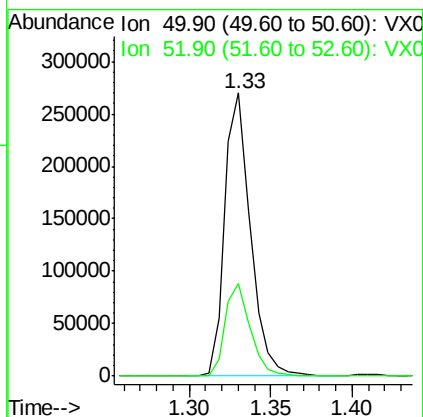
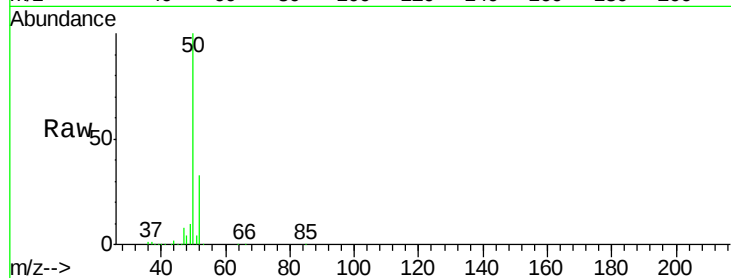
52 32.8 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 98.054 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007855.D

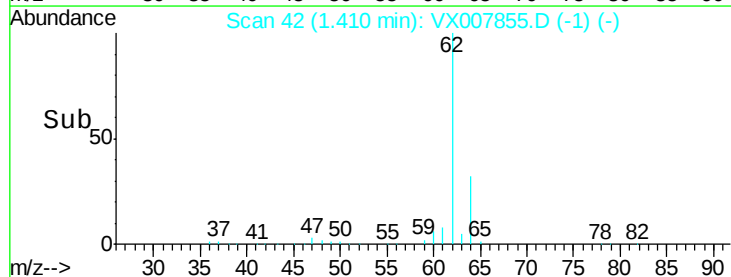
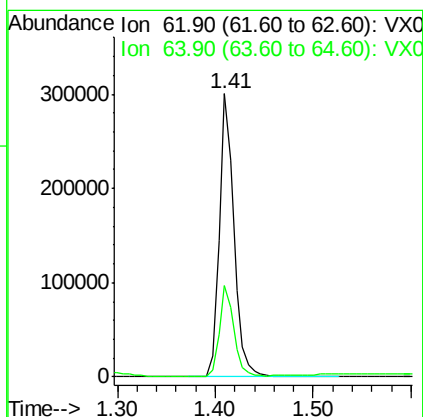
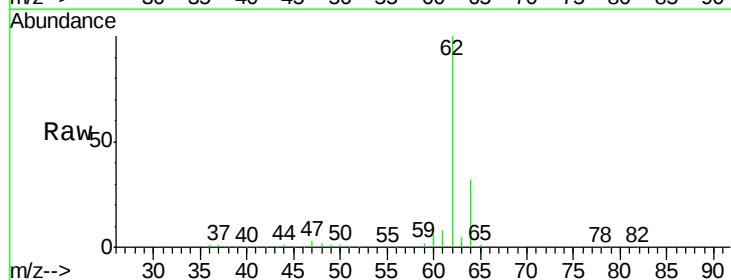
Acq: 06 Mar 2019 11:27

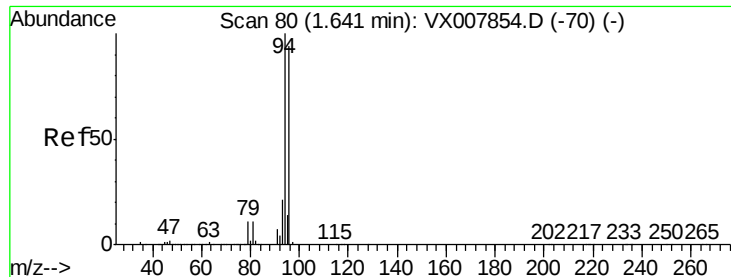
Tgt Ion: 62 Resp: 310184

Ion Ratio Lower Upper

62 100

64 32.0 25.3 37.9





#5

Bromomethane

Concen: 76.514 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 147177

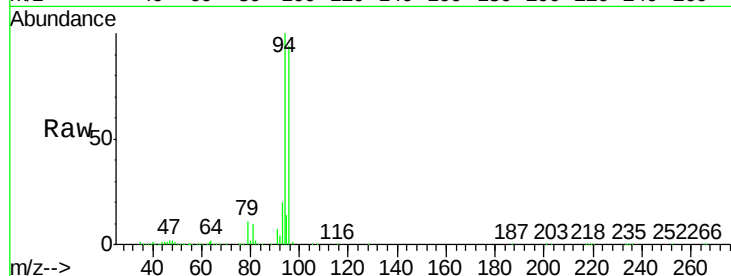
Ion Ratio Lower Upper

94 100

96 93.9 75.5 113.3

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

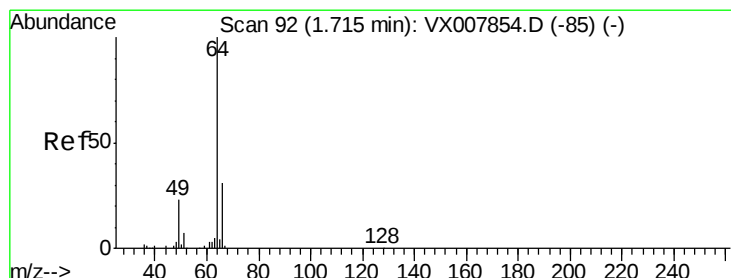
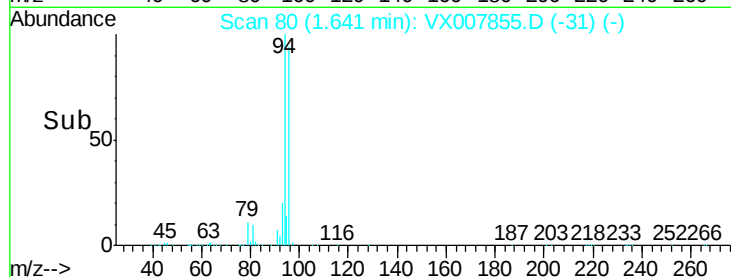
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 89.704 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX007855.D

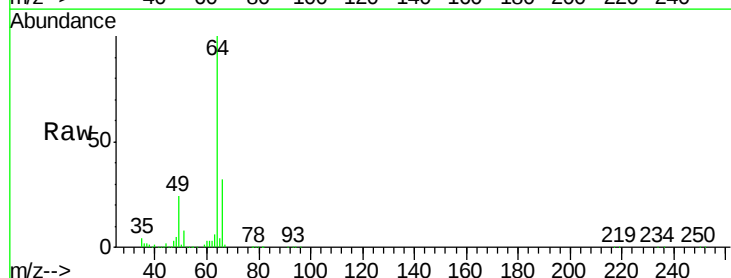
Acq: 06 Mar 2019 11:27

Tgt Ion: 64 Resp: 188515

Ion Ratio Lower Upper

64 100

66 32.2 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

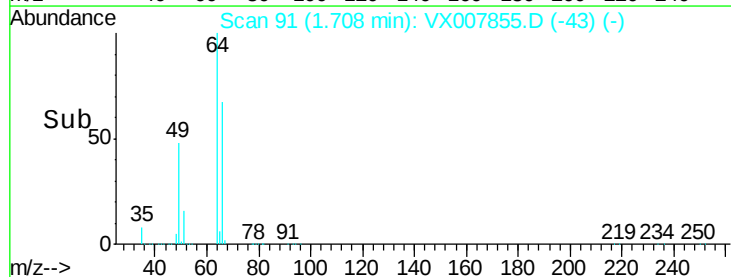
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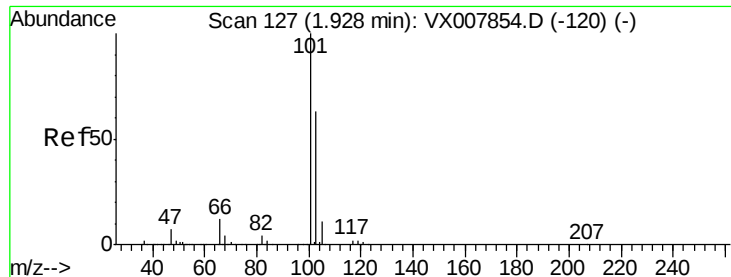
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0

Time-->





#7

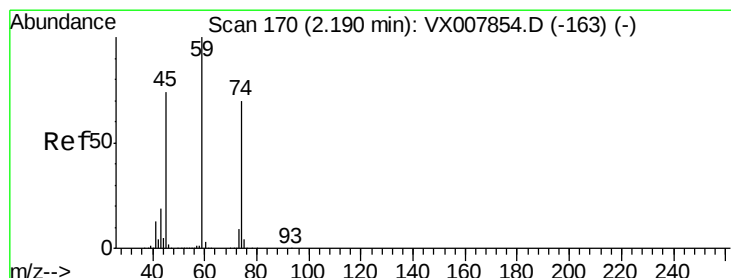
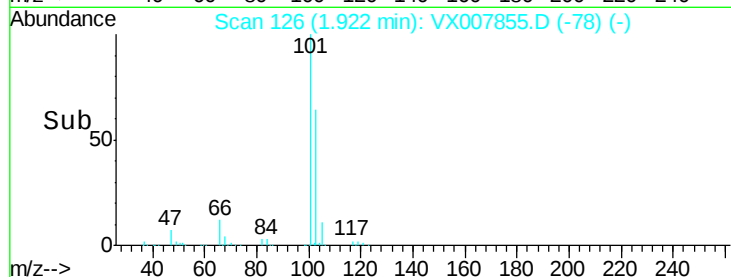
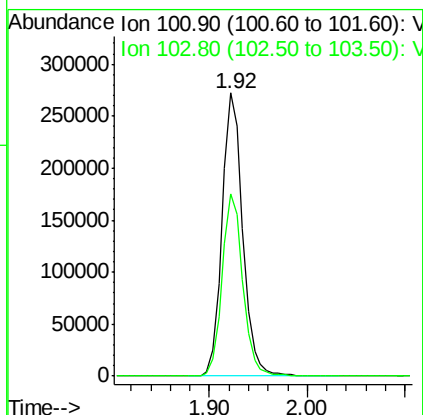
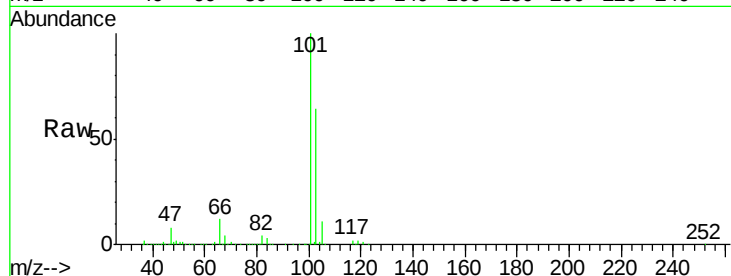
Trichlorofluoromethane
Concen: 96.778 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	398594		
103	64.2	50.4	75.6	

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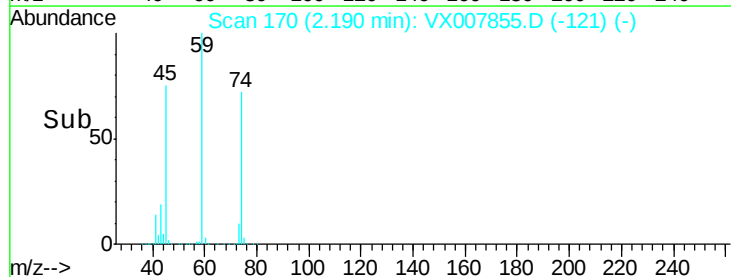
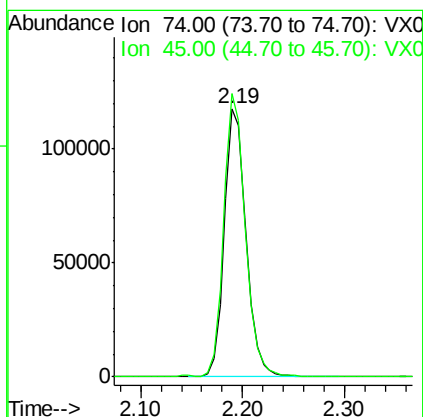
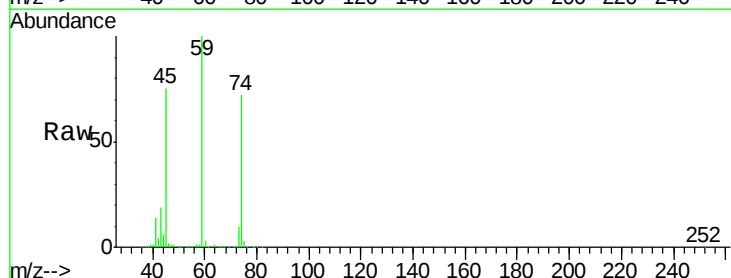
MMDadoda
3/7/2019 10:35:01 AM

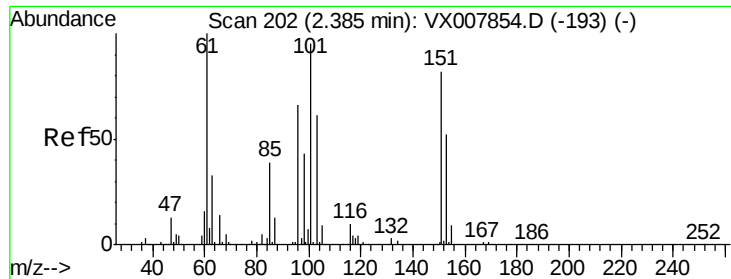


#8

Diethyl Ether
Concen: 97.482 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	173858		
45	104.1	52.1	156.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 95.647 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Instrument :

MSVOA_X

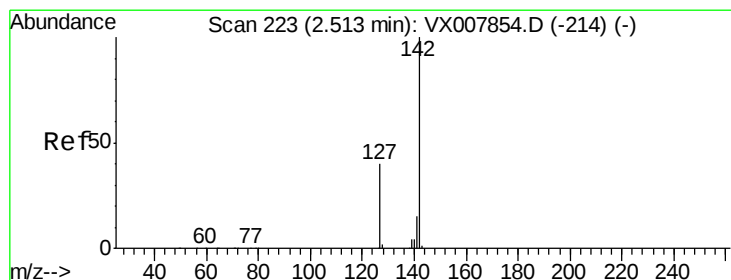
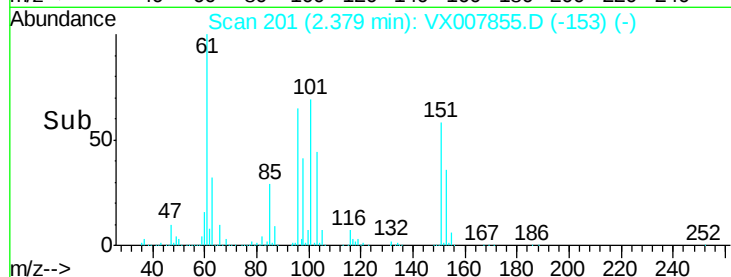
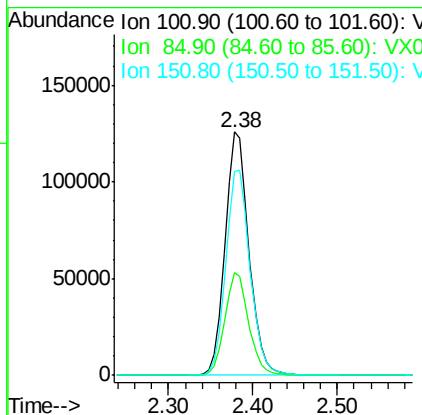
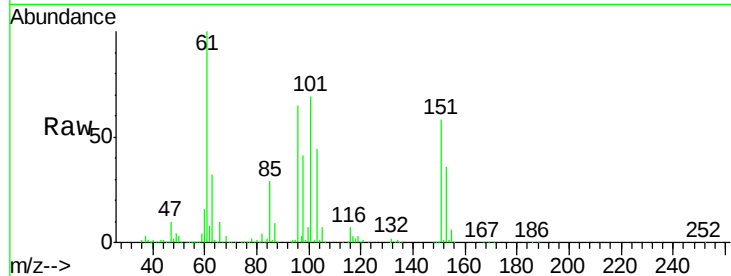
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	244119
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.8	50.6
151	86.0	69.1	103.7

Manual Integrations
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3/7/2019 10:35:01 AM



#10

Methyl Iodide

Concen: 103.059 ug/l

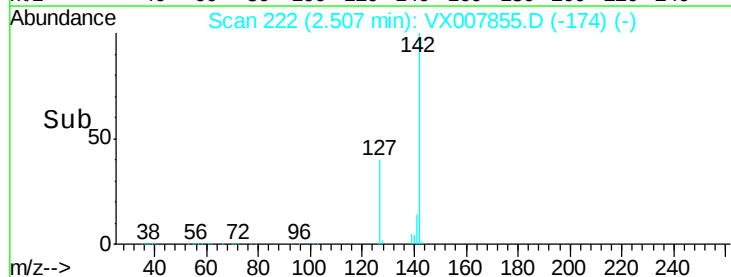
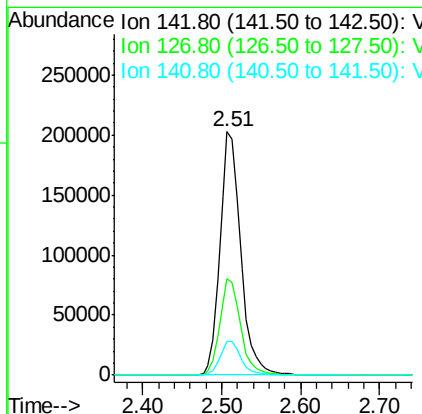
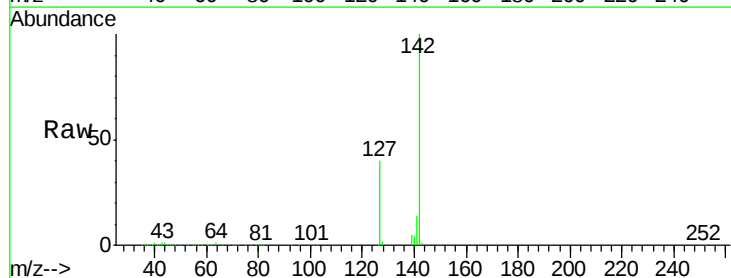
RT: 2.51 min Scan# 222

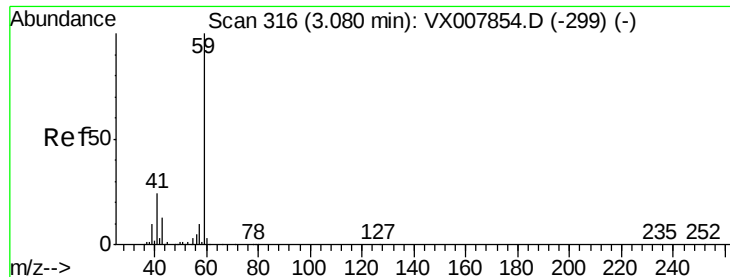
Delta R.T. -0.01 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Tgt Ion:	142	Resp:	373161
Ion Ratio	Lower	Upper	
142	100		
127	39.5	32.1	48.1
141	14.0	11.4	17.2





#11

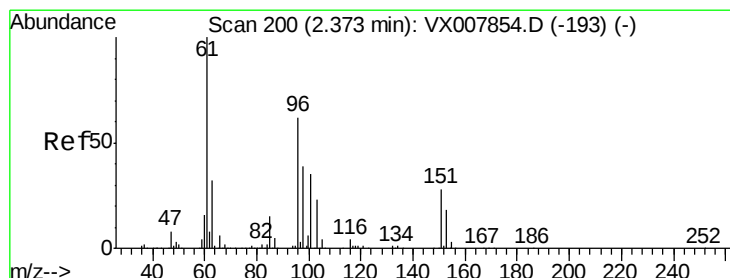
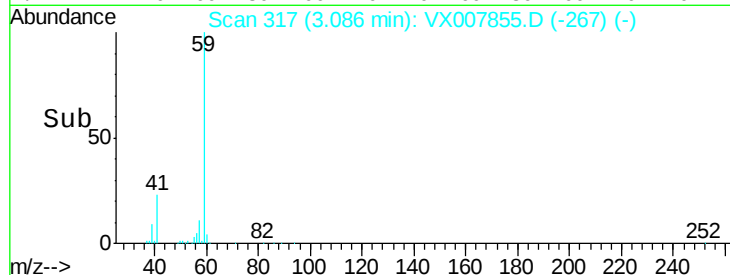
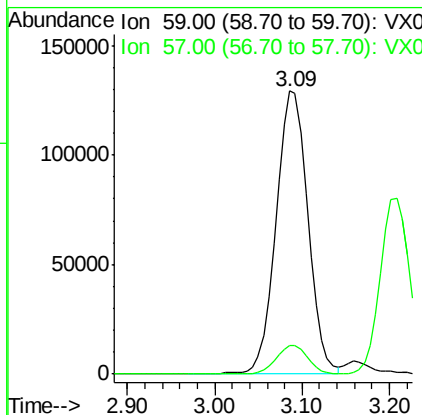
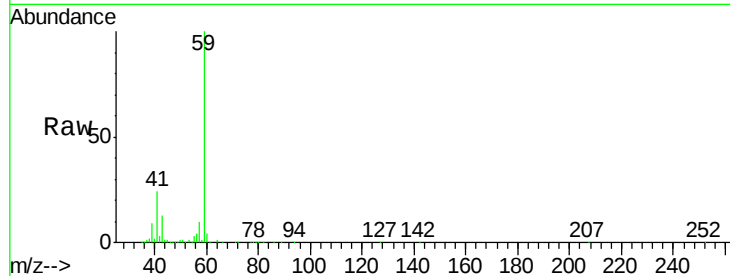
Tert butyl alcohol
Concen: 481.381 ug/l
RT: 3.09 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

Manual Integrations
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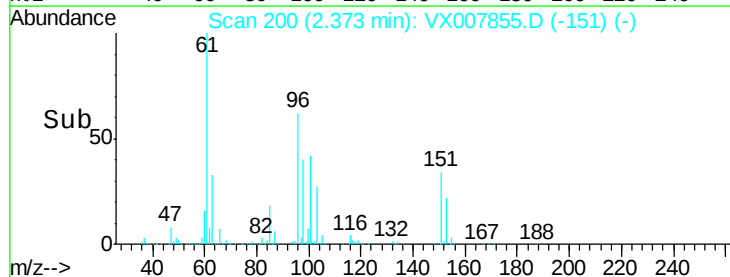
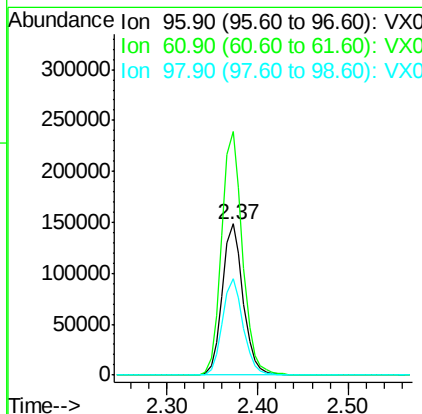
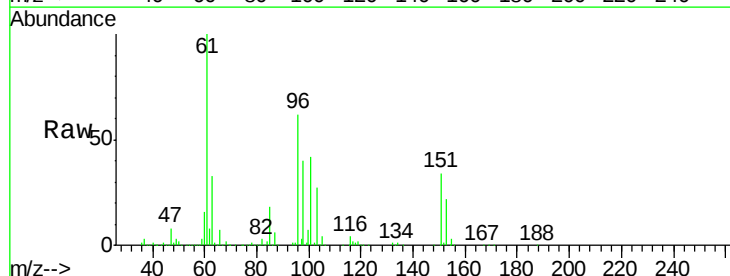
MMDadoda
3/7/2019 10:35:01 AM



#12

1,1-Dichloroethene
Concen: 96.786 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.0	129.8	194.6
98	63.8	51.0	76.6





#13

Acrolein

Concen: 466.361 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 56 Resp: 192105

Ion Ratio Lower Upper

56 100

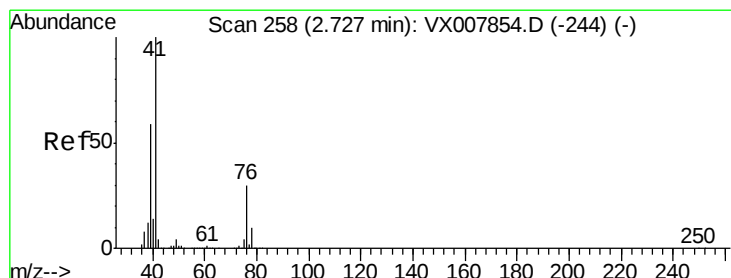
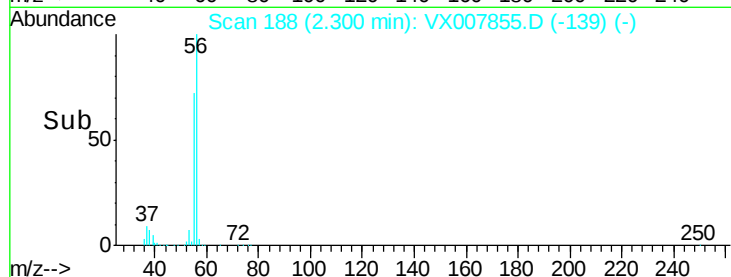
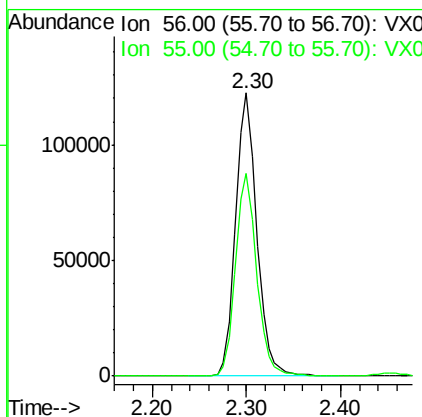
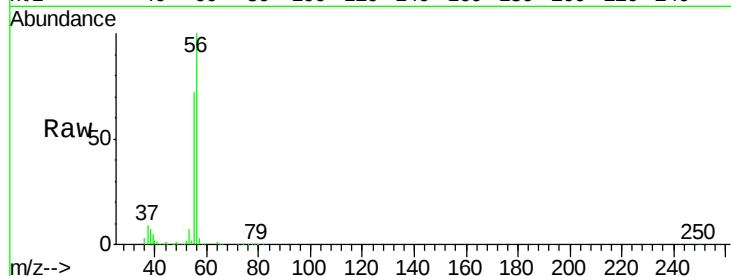
55 71.8 57.8 86.6

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 98.199 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

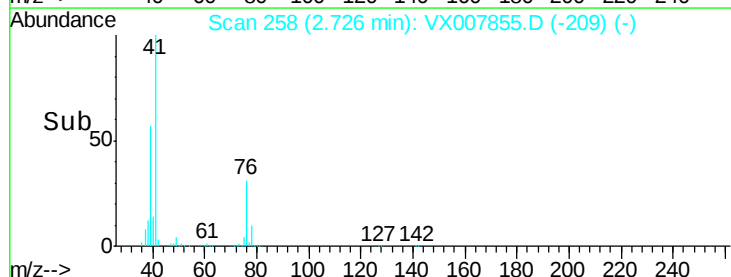
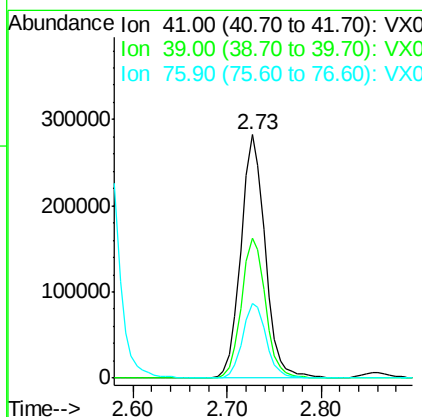
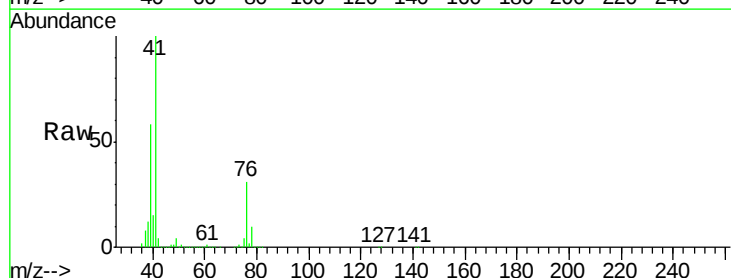
Tgt Ion: 41 Resp: 507661

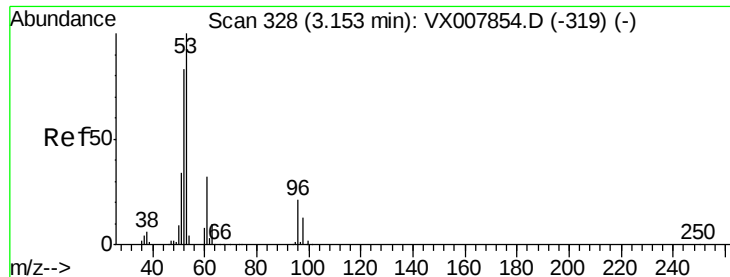
Ion Ratio Lower Upper

41 100

39 57.3 46.1 69.1

76 30.1 24.0 36.0





#15

Acrylonitrile

Concen: 474.803 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Instrument :

MSVOA_X

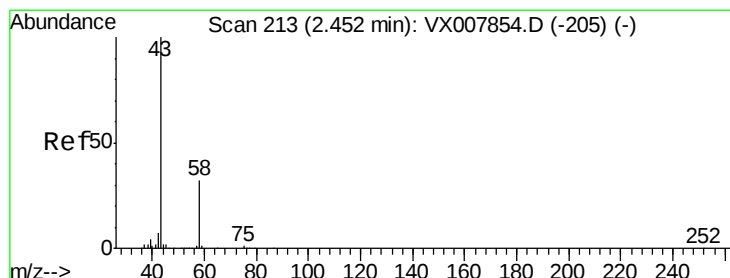
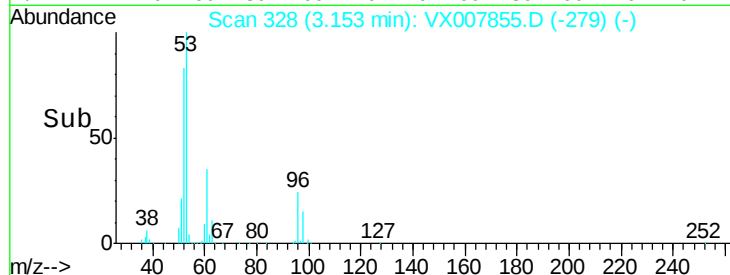
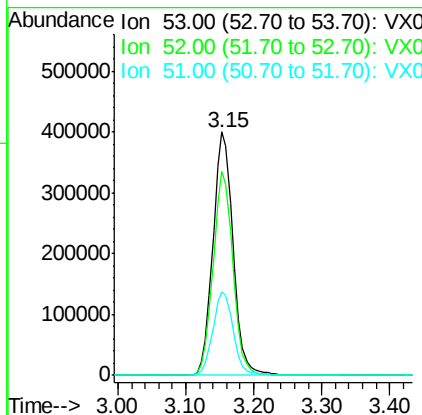
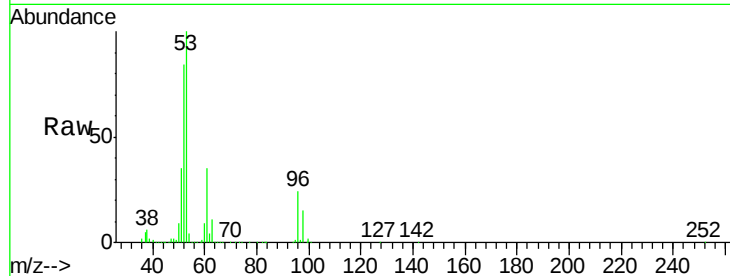
ClientSampled :

VSTDICC100

Tot Ion:	53	Resp:	817546
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: 459.024 ug/l

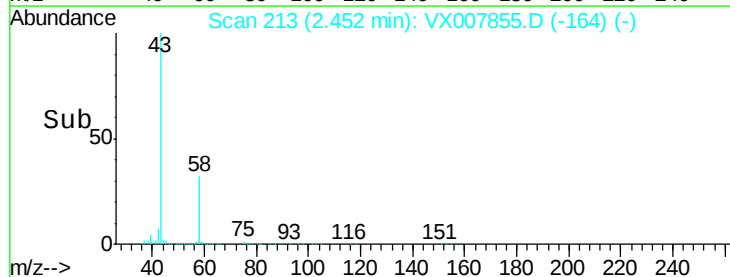
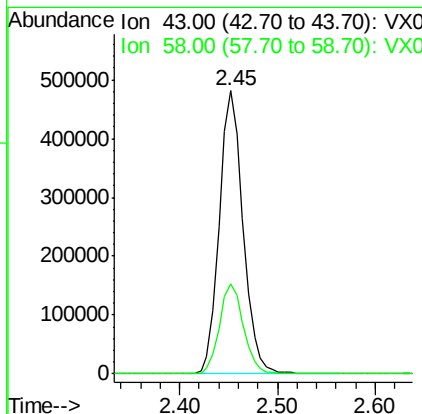
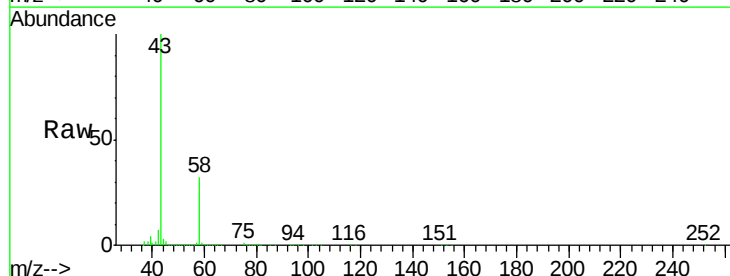
RT: 2.45 min Scan# 213

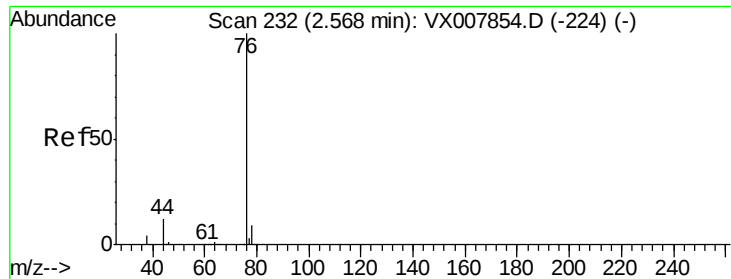
Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Tgt Ion:	43	Resp:	810446
Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.5	38.3





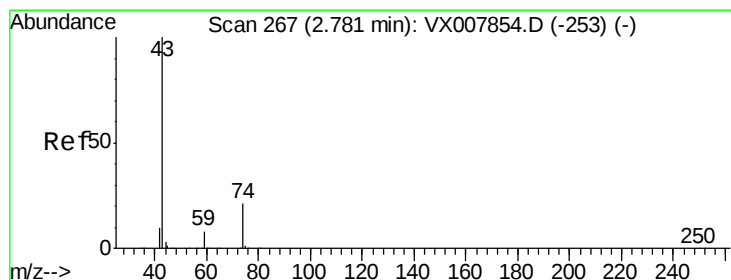
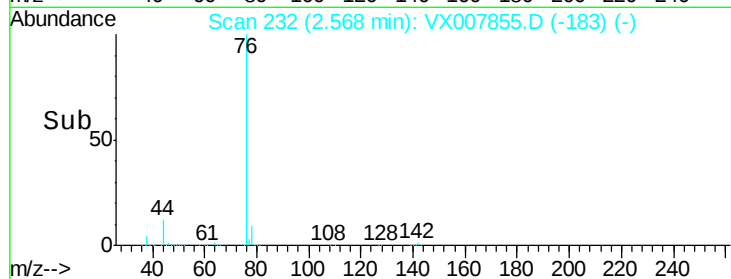
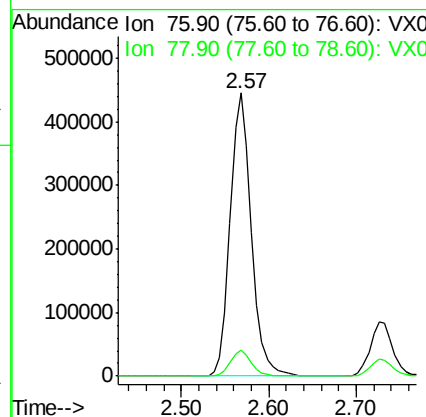
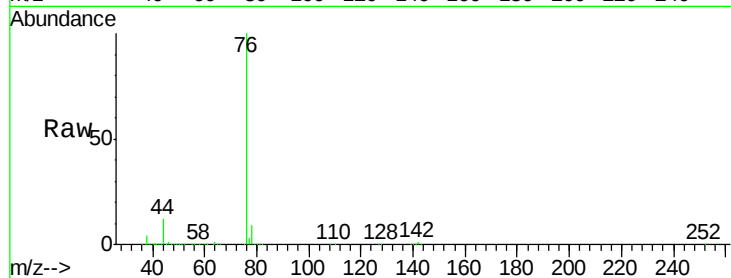
#17
Carbon Disulfide
Concen: 90.179 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

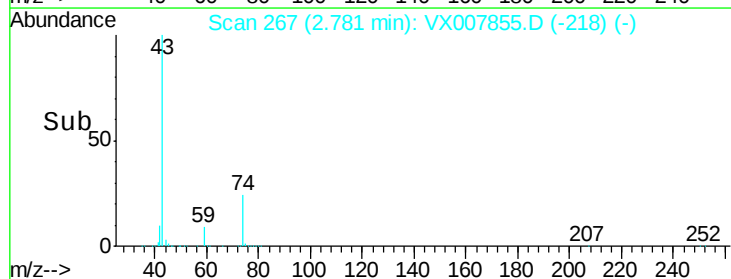
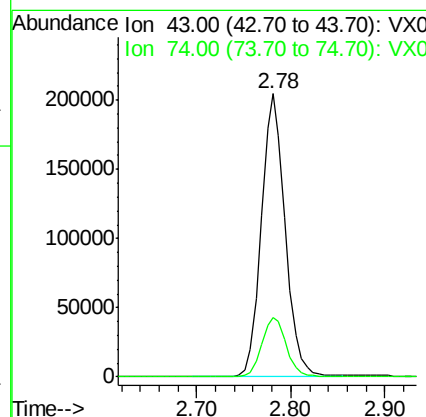
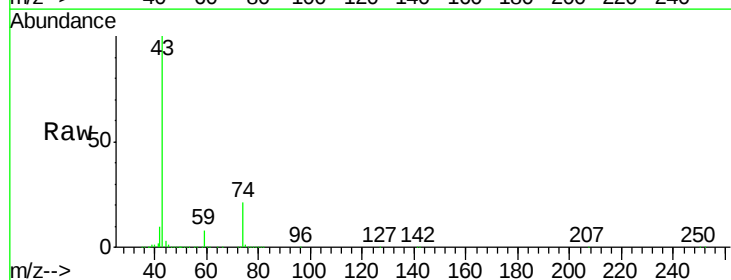
Manual Integrations
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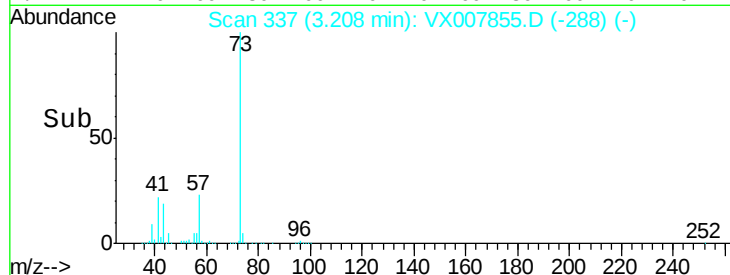
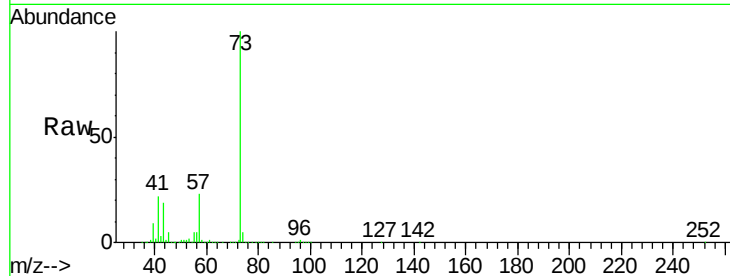
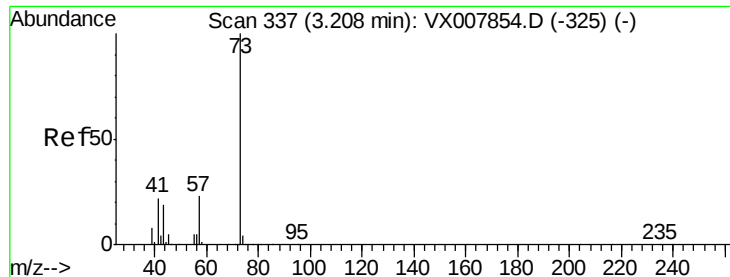
MMDadoda
3/7/2019 10:35:01 AM



#18
Methyl Acetate
Concen: 96.781 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.8	26.6





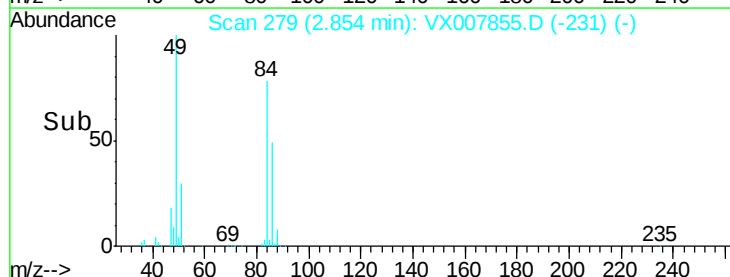
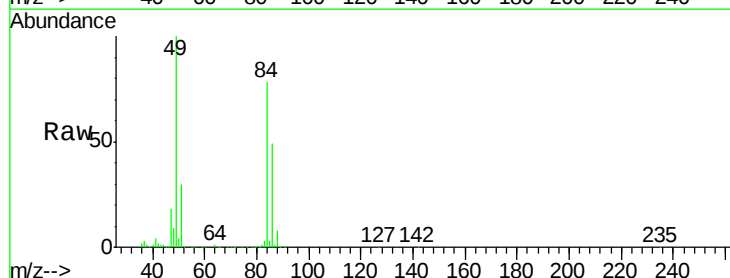
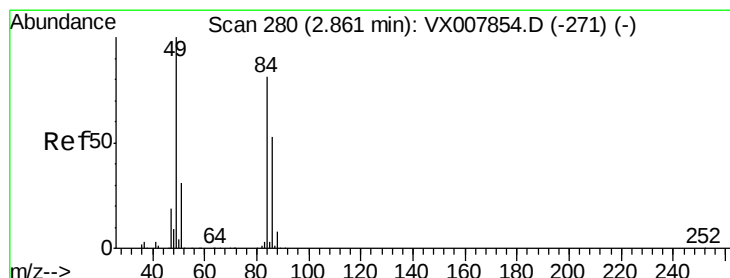
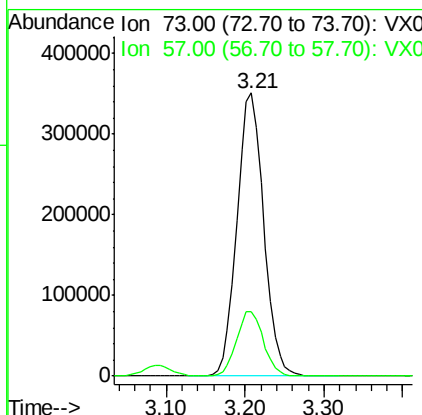
#19
Methyl tert-butyl Ether
Concen: 98.014 ug/l
RT: 3.21 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Tot Ion: 73 Resp: 829568
Ion Ratio Lower Upper
73 100
57 22.8 18.2 27.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

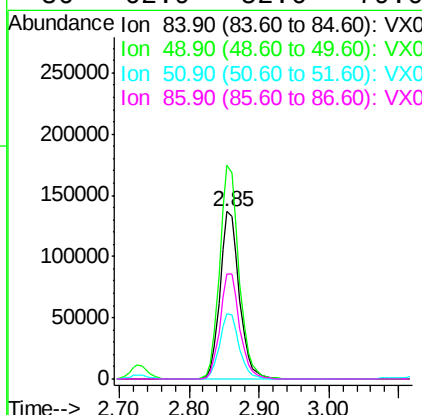
Manual Integrations
APPROVED

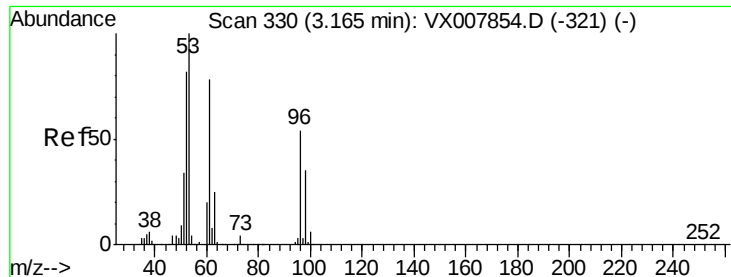
MMDadoda
3/7/2019 10:35:01 AM



#20
Methylene Chloride
Concen: 93.014 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Tgt Ion: 84 Resp: 261365
Ion Ratio Lower Upper
84 100
49 127.6 99.3 148.9
51 38.7 31.3 46.9
86 62.9 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 94.368 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Instrument :

MSVOA_X

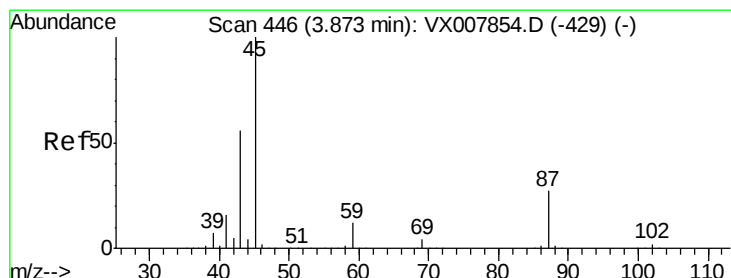
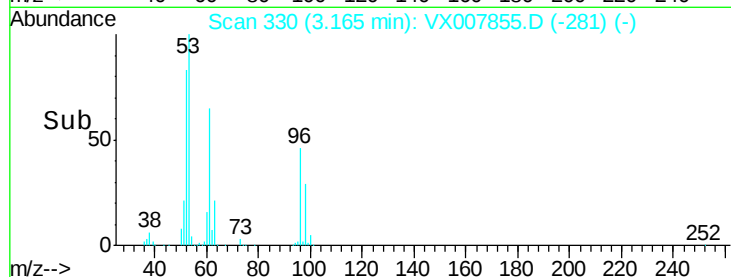
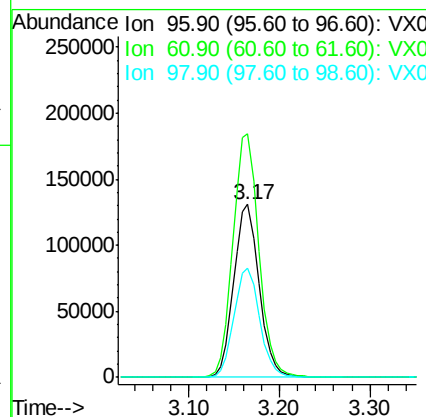
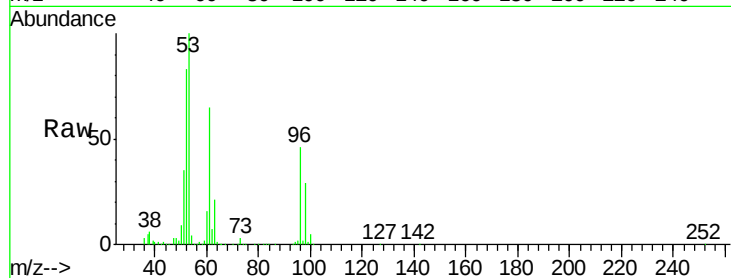
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	255457
Ion Ratio	Lower	Upper	
96	100		
61	140.7	114.4	171.6
98	63.1	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 97.048 ug/l

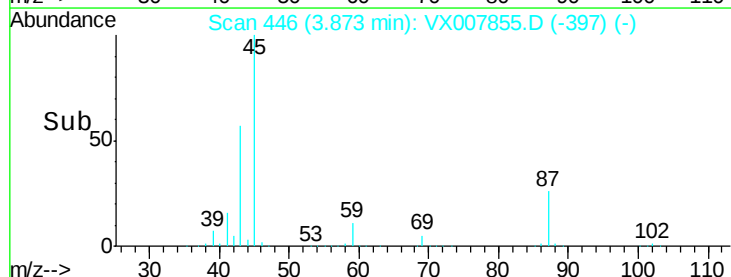
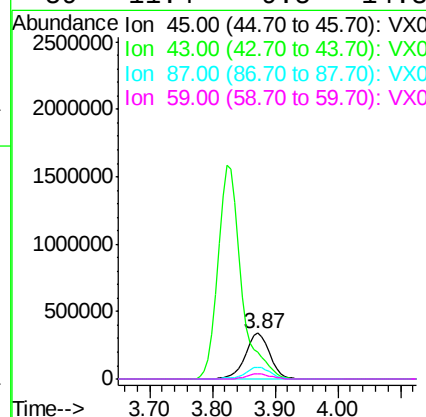
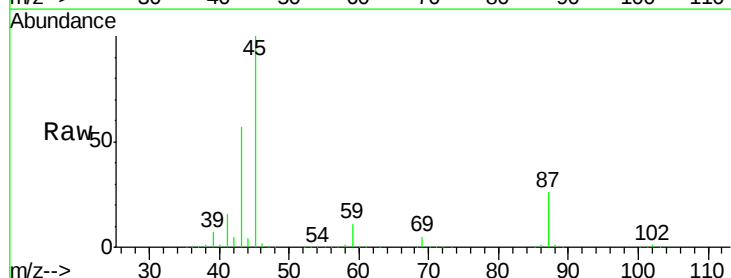
RT: 3.87 min Scan# 446

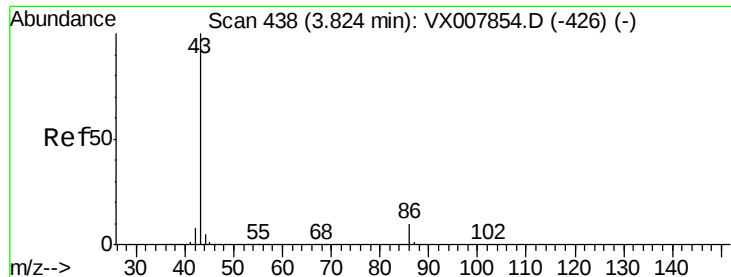
Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Tgt Ion:	45	Resp:	919686
Ion Ratio	Lower	Upper	
45	100		
43	57.2	45.3	67.9
87	26.4	21.4	32.0
59	11.4	9.5	14.3





#23

Vinyl Acetate

Concen: 492.769 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 4095055

Ion Ratio Lower Upper

43 100

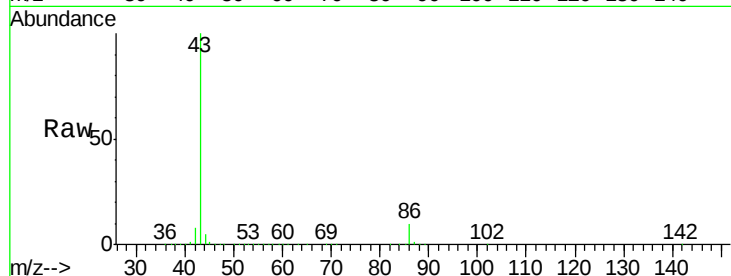
86 9.9 7.9 11.9

Manual Integrations

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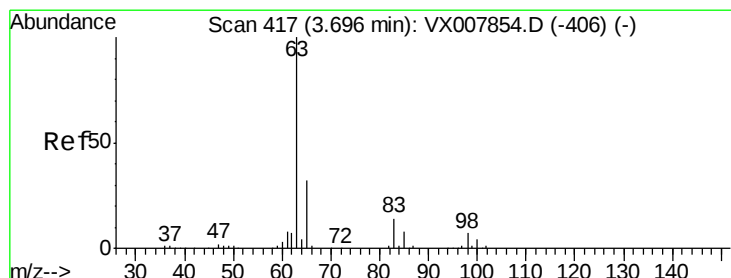
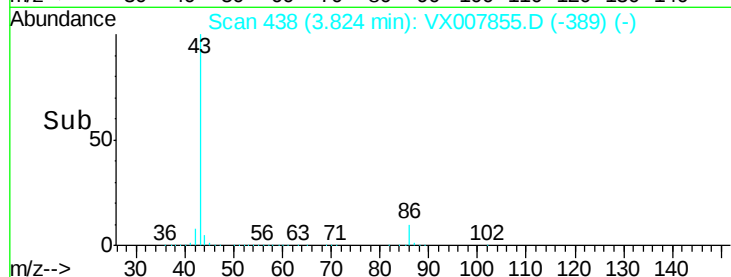
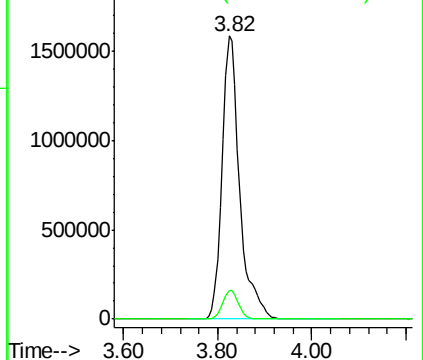
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 97.599 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

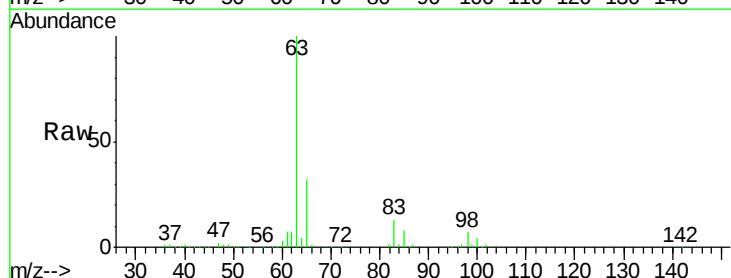
Tgt Ion: 63 Resp: 497740

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

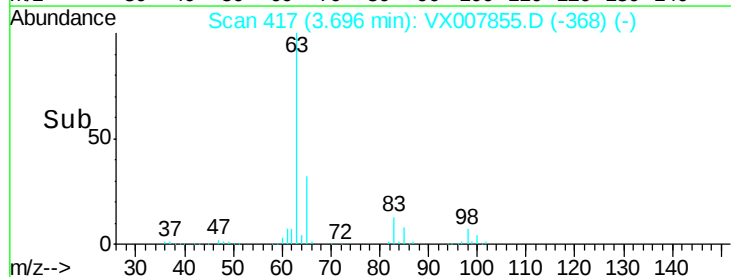
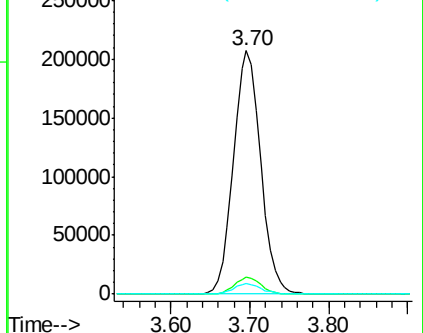
100 4.2 2.3 6.8

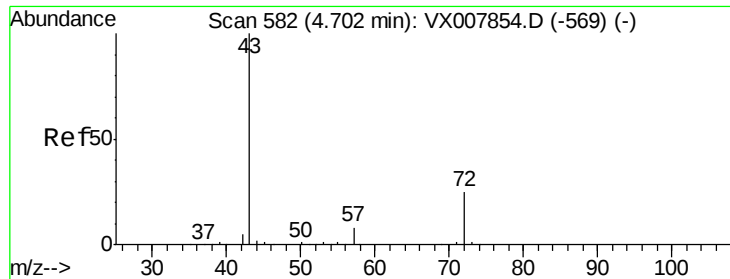


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 478.020 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 1194866

Ion Ratio Lower Upper

43 100

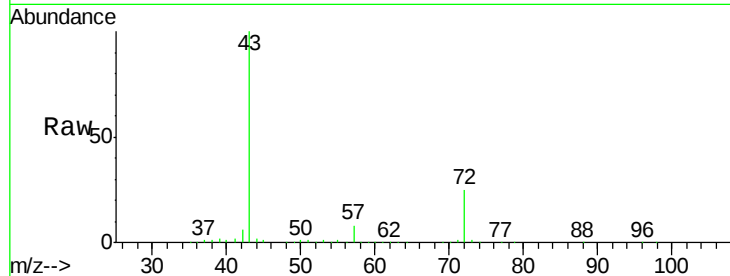
72 25.3 19.9 29.9

Manual Integrations

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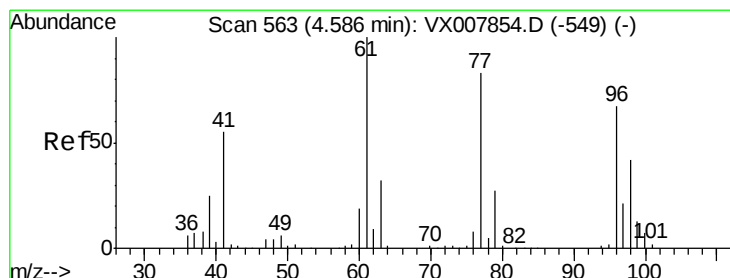
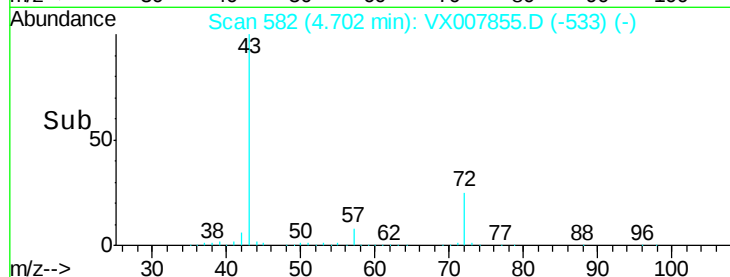
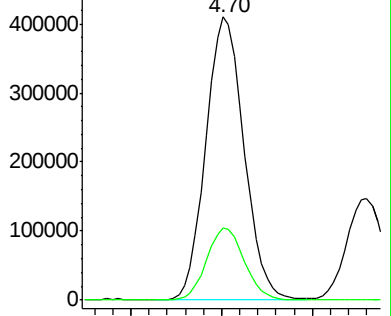
MMDadoda

3/7/2019 10:35:01 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: 101.733 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX007855.D

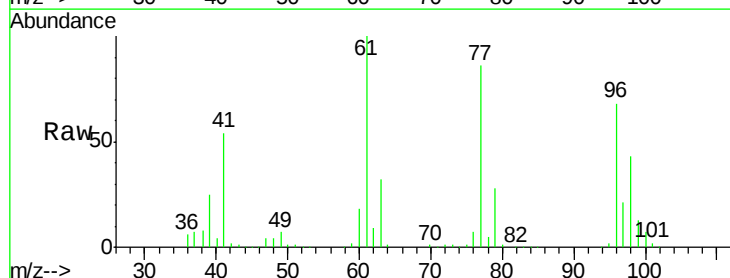
Acq: 06 Mar 2019 11:27

Tgt Ion: 77 Resp: 343725

Ion Ratio Lower Upper

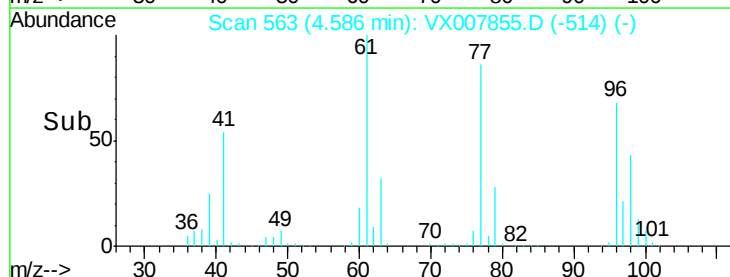
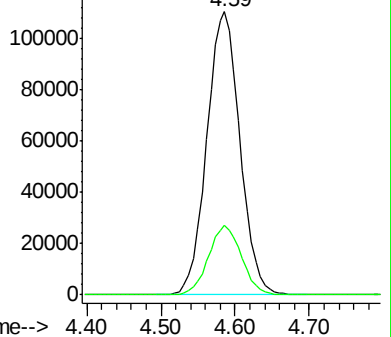
77 100

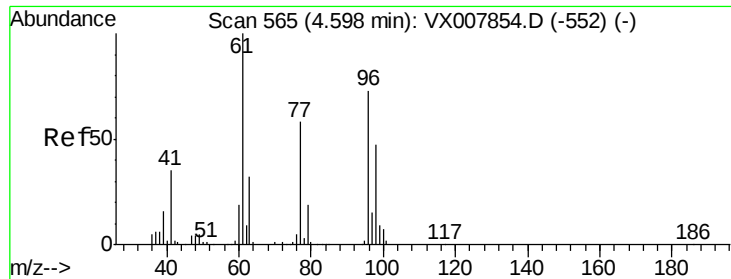
97 24.5 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

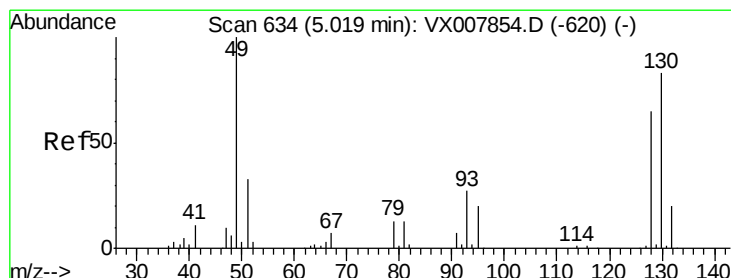
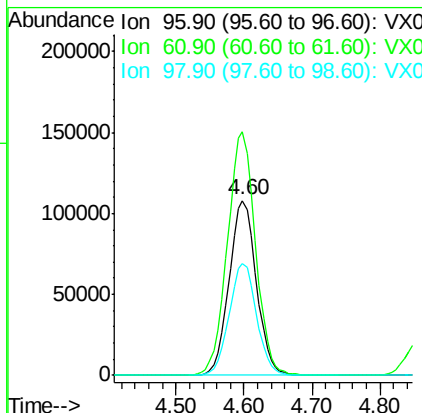
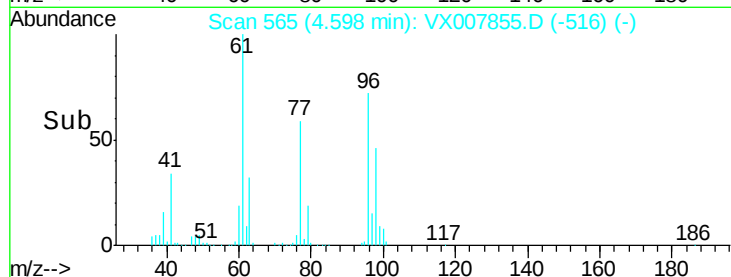
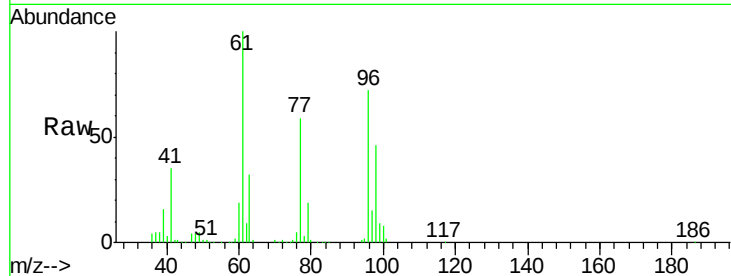
cis-1,2-Dichloroethene
Concen: 96.918 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	300220		
61	143.3	0.0	288.0	
98	64.3	0.0	129.0	

Manual Integrations
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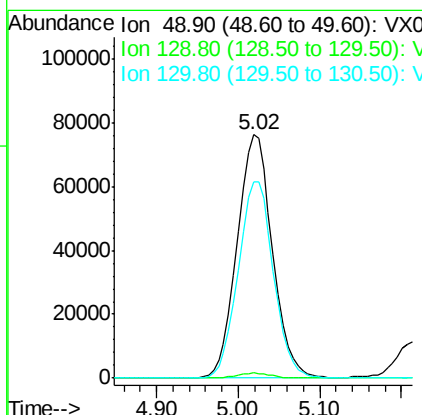
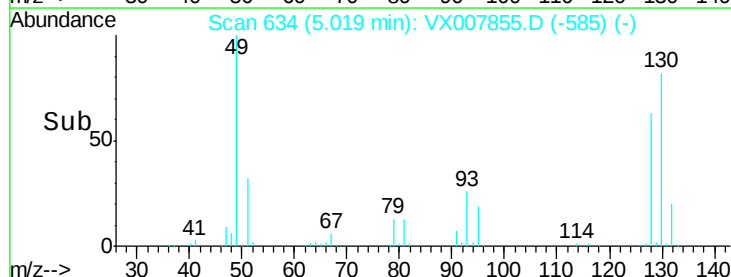
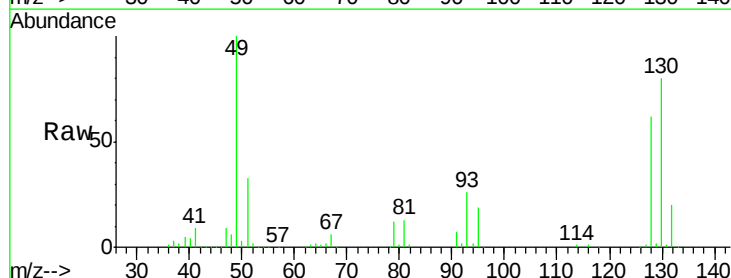
MMDadoda
3/7/2019 10:35:01 AM

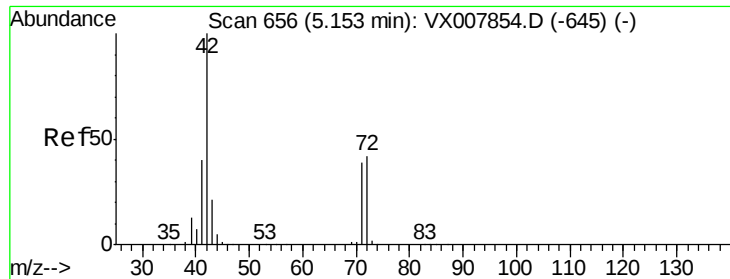


#28

Bromochloromethane
Concen: 96.112 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	228514		
129	2.0	0.0	4.0	
130	81.1	65.0	97.4	





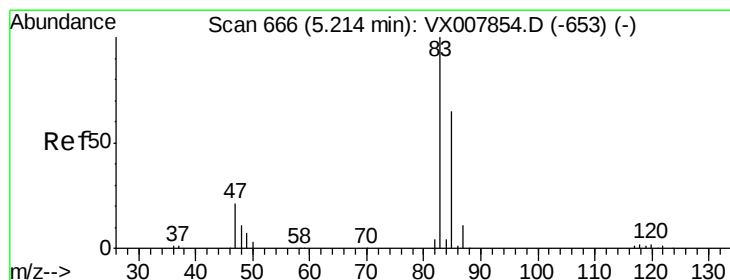
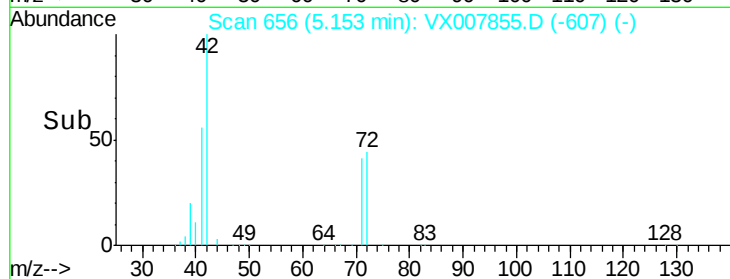
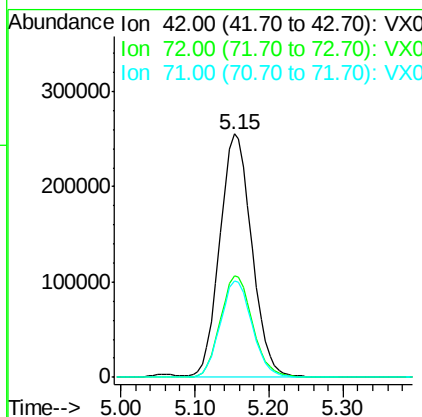
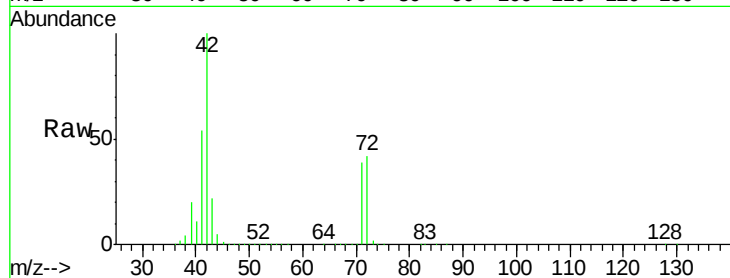
#29
Tetrahydrofuran
Concen: 489.614 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.8	50.6
71	39.6	31.5	47.3

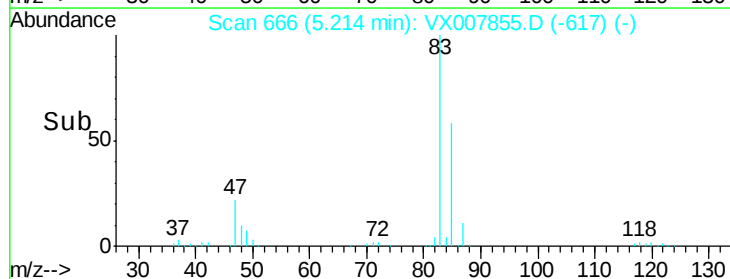
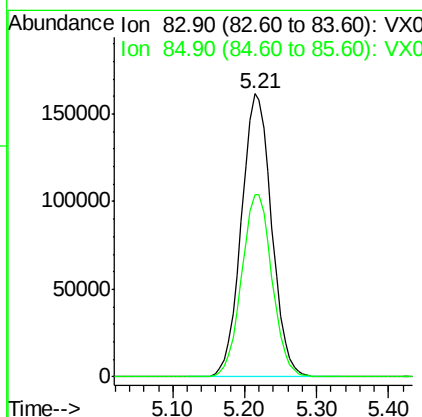
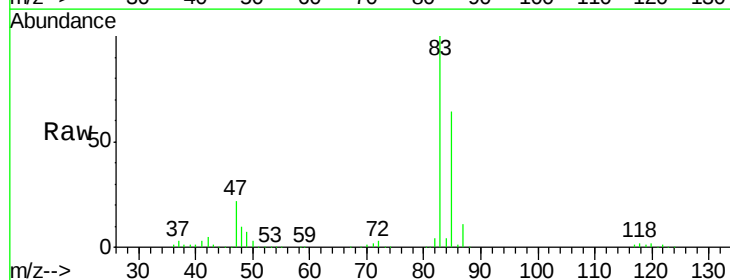
Manual Integrations
APPROVED

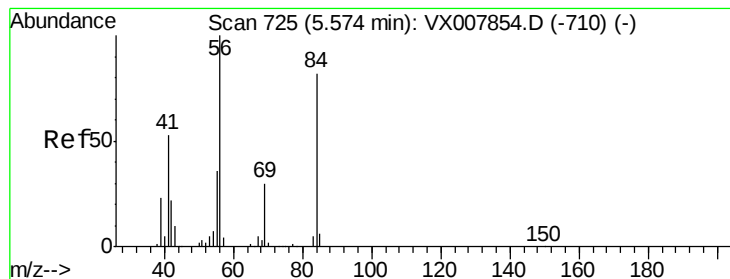
MMDadoda
3/7/2019 10:35:01 AM



#30
Chloroform
Concen: 97.513 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.8	77.6





#31

Cyclohexane

Concen: 99.044 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Instrument :

MSVOA_X

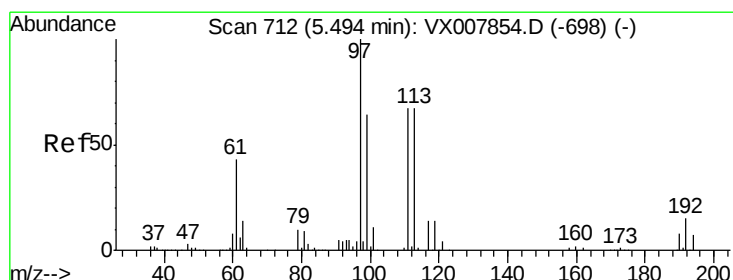
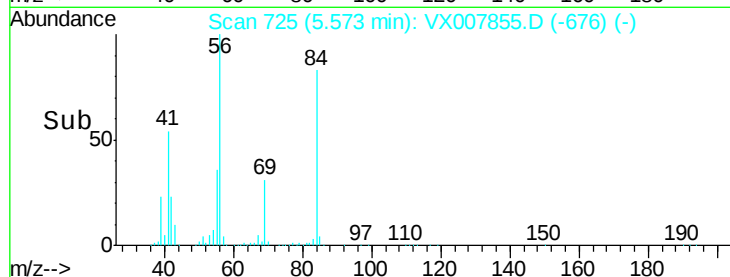
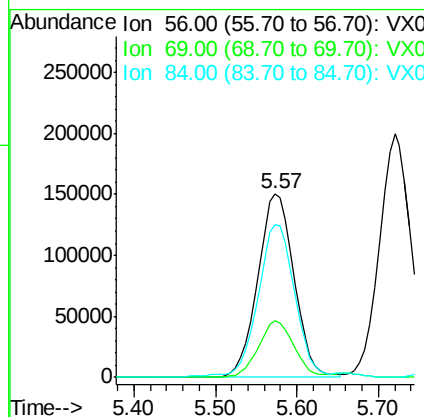
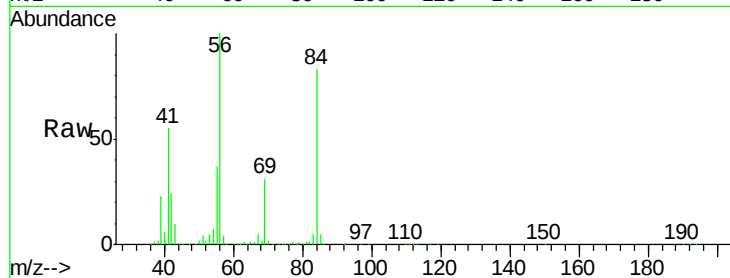
ClientSampled :

VSTDICC100

Tot Ion:	56	Resp:	464230
Ion Ratio	Lower	Upper	
56	100		
69	30.7	24.0	36.0
84	82.3	65.3	97.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 101.267 ug/l

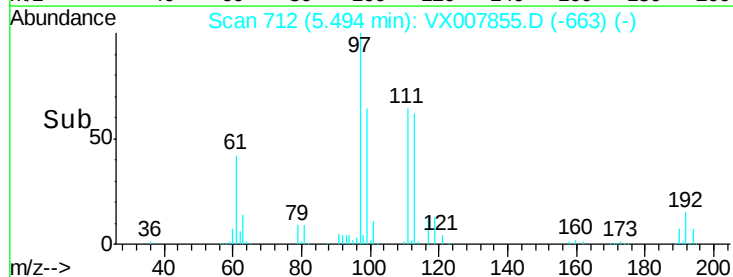
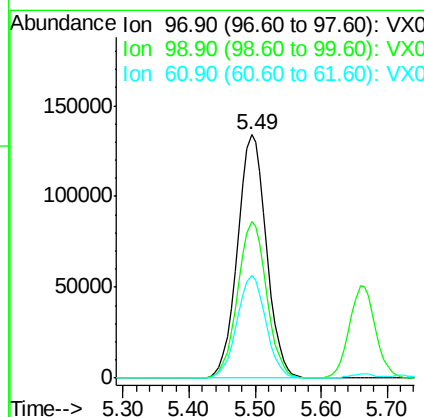
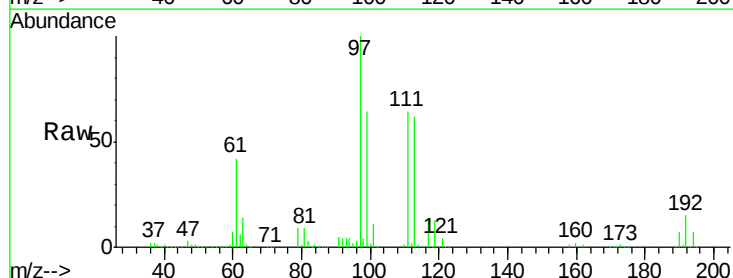
RT: 5.49 min Scan# 712

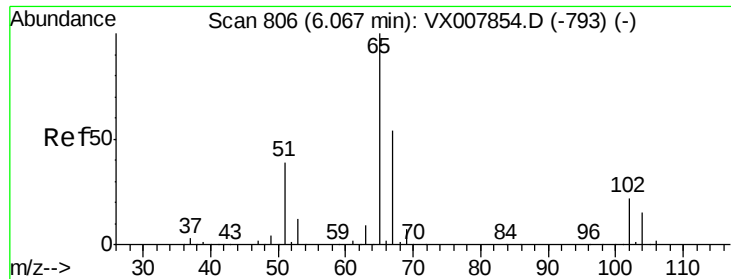
Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Tgt Ion:	97	Resp:	405333
Ion Ratio	Lower	Upper	
97	100		
99	64.6	52.2	78.2
61	42.4	34.9	52.3





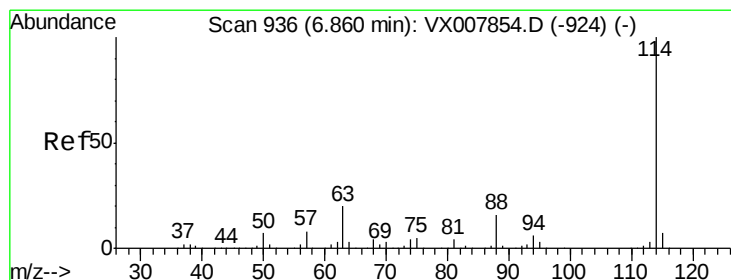
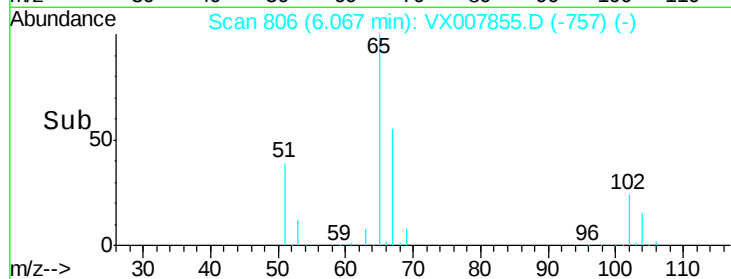
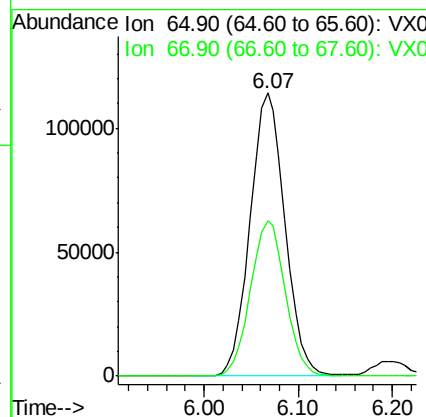
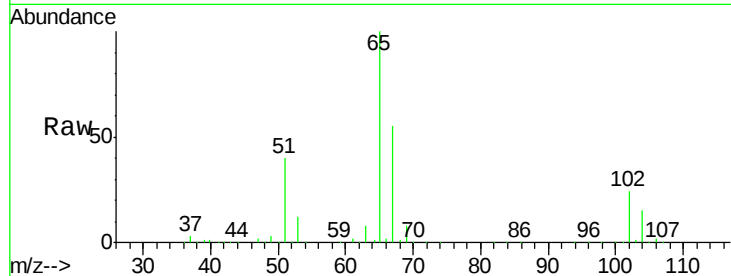
#33
 1,2-Dichloroethane-d4
 Concen: 97.151 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007855.D
 Acq: 06 Mar 2019 11:27

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	296348		
67	55.2	0.0	110.0	

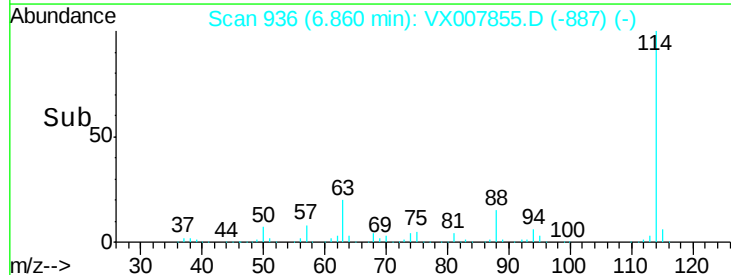
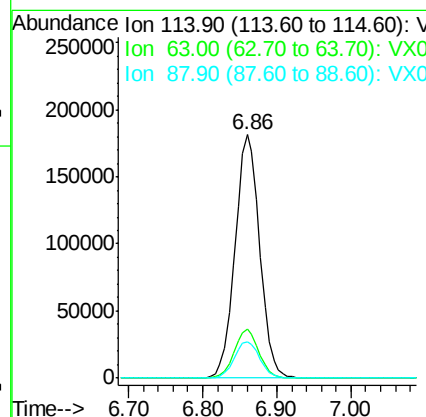
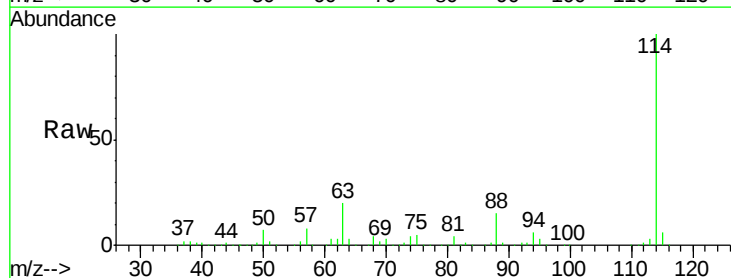
Manual Integrations
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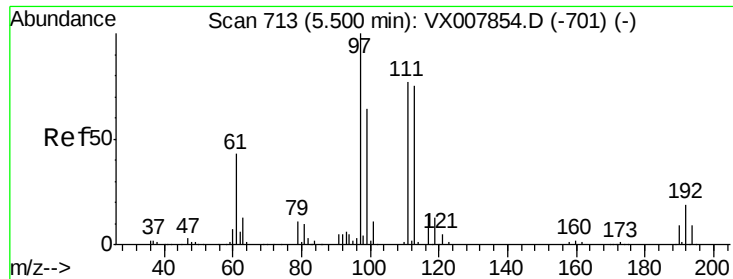
MMDadoda
 3/7/2019 10:35:01 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007855.D
 Acq: 06 Mar 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	419559		
63	20.1	0.0	39.8	
88	14.9	0.0	31.4	





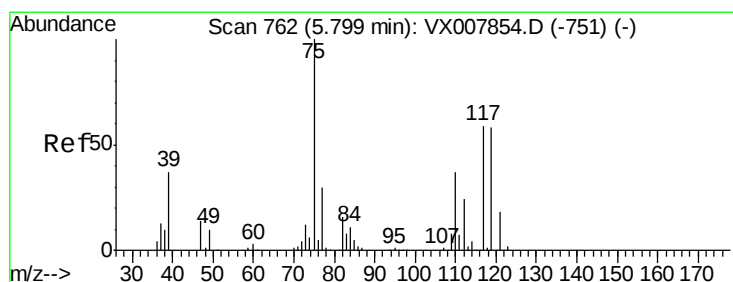
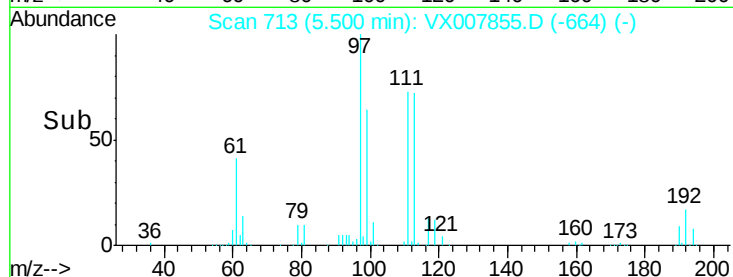
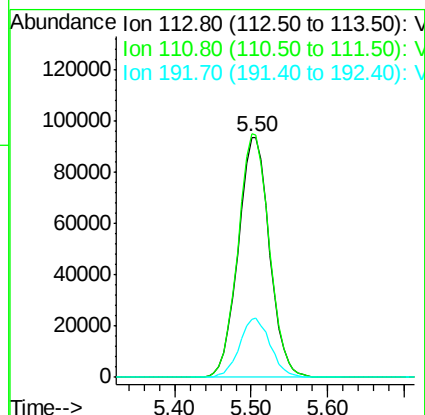
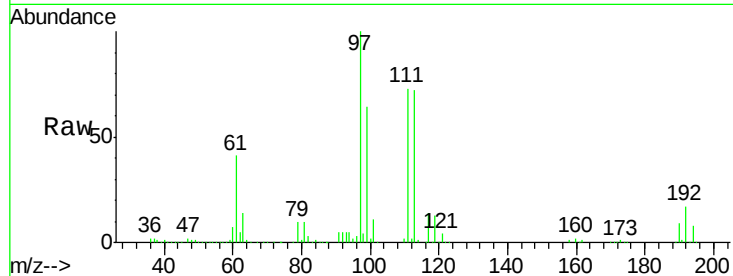
#35
 Dibromofluoromethane
 Concen: 98.542 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX007855.D
 Acq: 06 Mar 2019 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	264464		
111	101.7	81.4	122.0	
192	24.3	19.4	29.0	

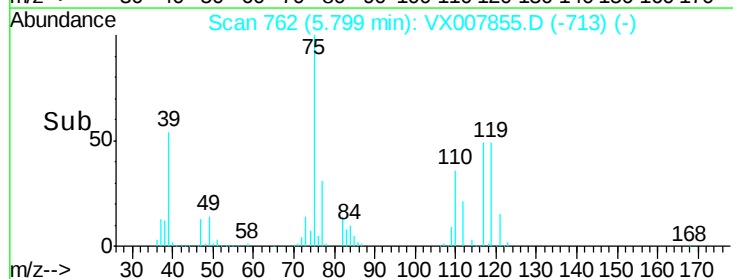
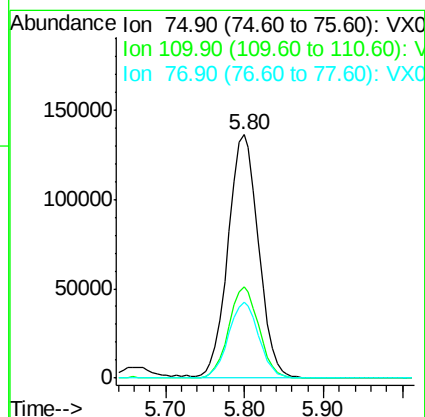
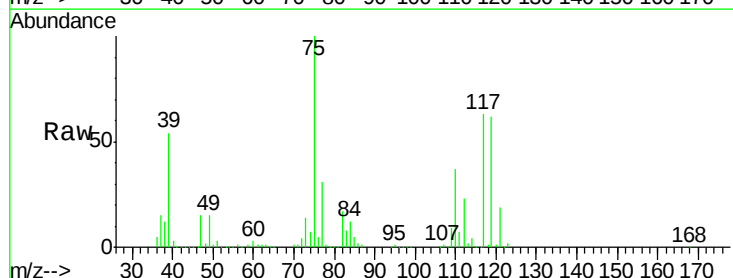
Manual Integrations
 APPROVED

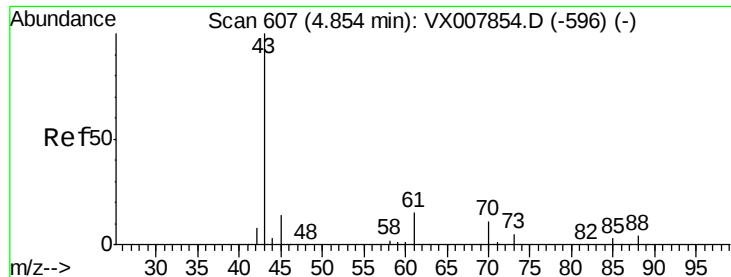
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 3/7/2019 10:35:01 AM



#36
 1,1-Dichloropropene
 Concen: 96.271 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX007855.D
 Acq: 06 Mar 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	365736		
110	37.1	18.4	55.0	
77	31.3	25.0	37.4	





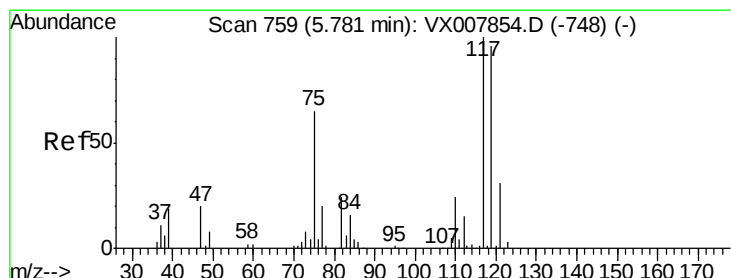
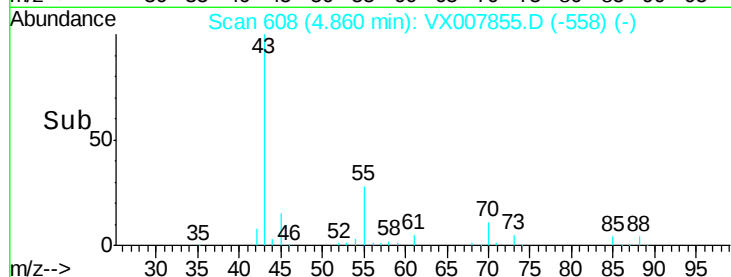
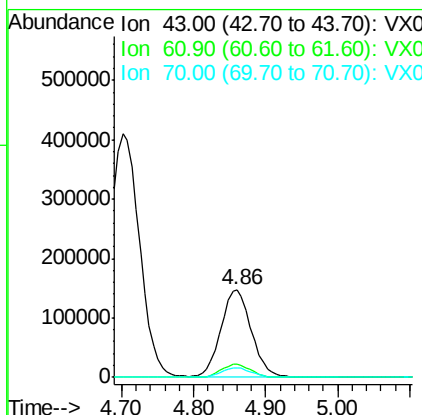
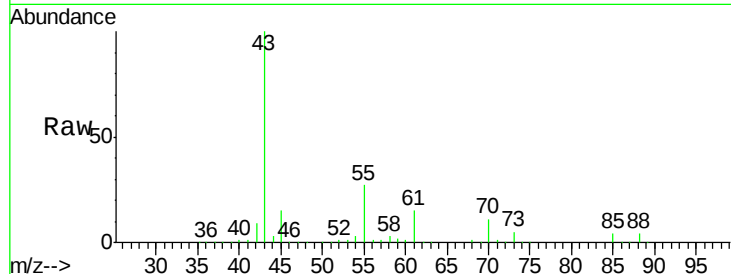
#37
Ethyl Acetate
Concen: 95.983 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.3	16.9
70	10.7	8.5	12.7

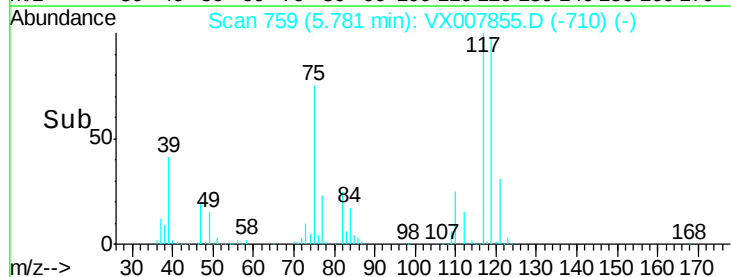
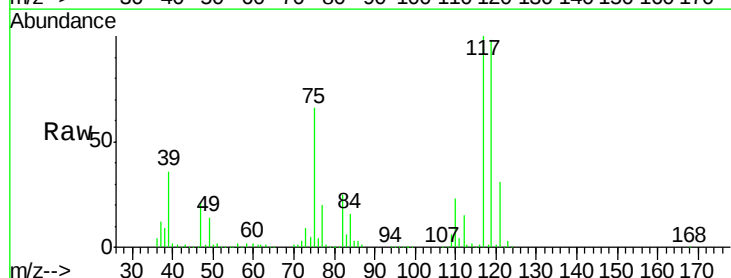
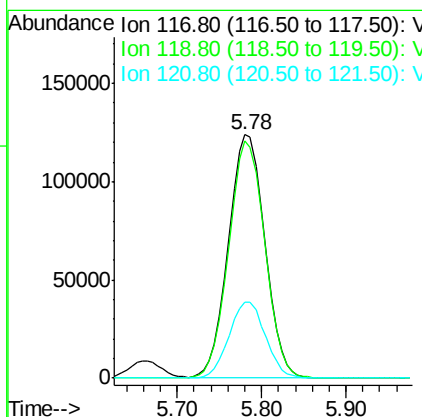
Manual Integrations
APPROVED

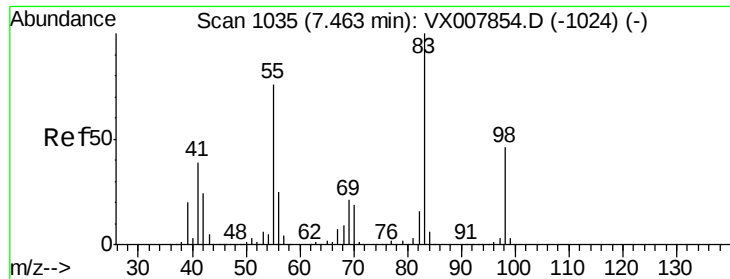
MMDadoda
3/7/2019 10:35:01 AM



#38
Carbon Tetrachloride
Concen: 100.801 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.2	114.2
121	31.0	24.6	36.8





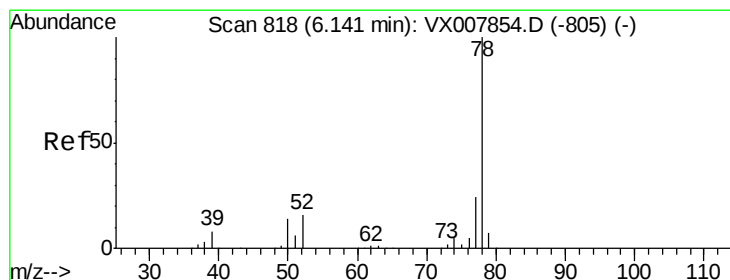
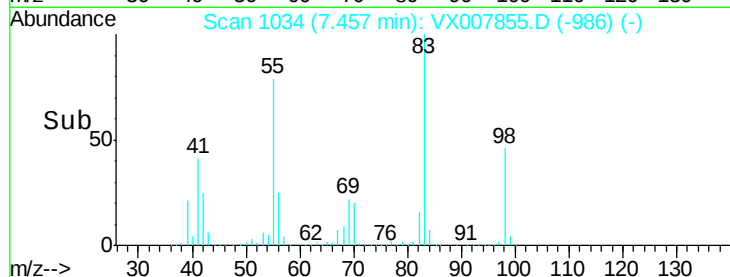
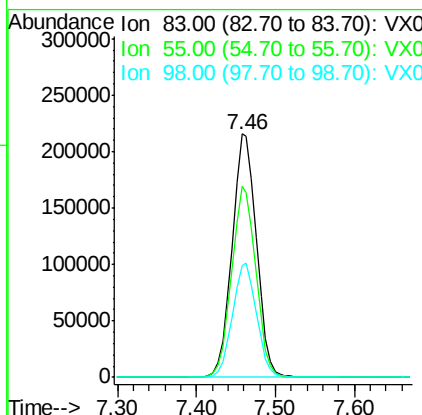
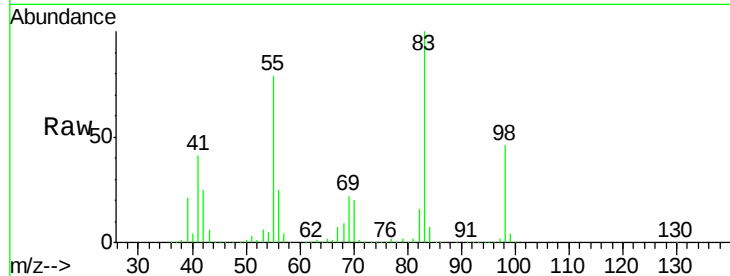
#39
Methvlcvclohexane
Concen: 100.771 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	463886		
55	78.6		60.4	90.6
98	45.7		36.5	54.7

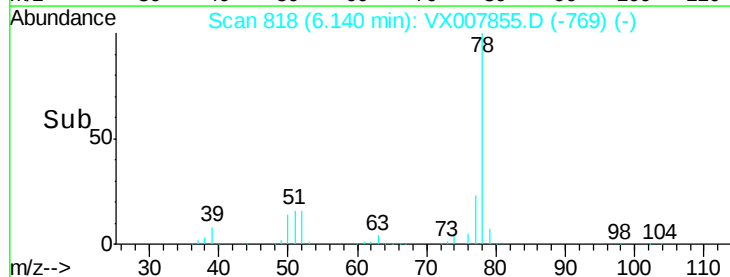
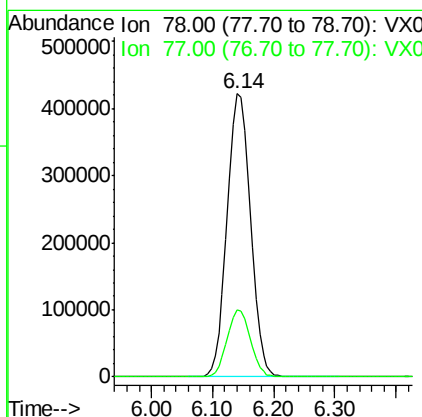
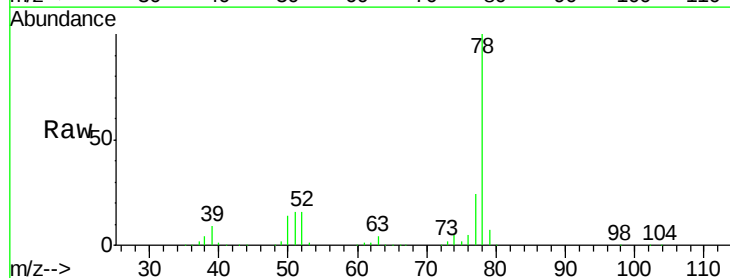
Manual Integrations
APPROVED

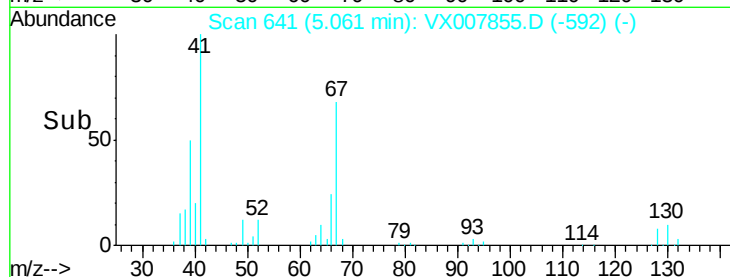
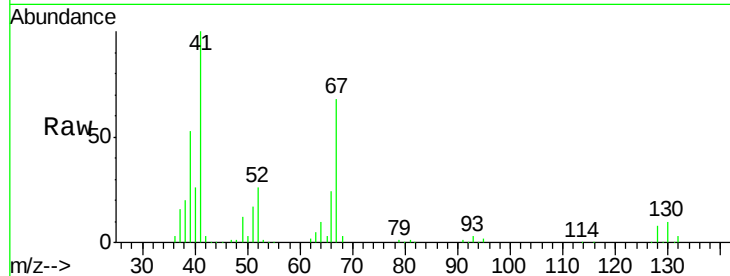
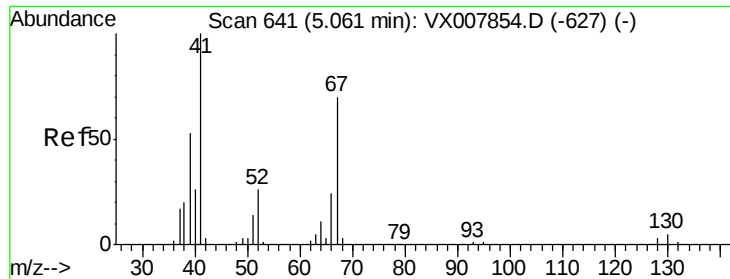
MMDadoda
3/7/2019 10:35:01 AM



#40
Benzene
Concen: 98.522 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1114272		
77	23.5		19.0	28.4





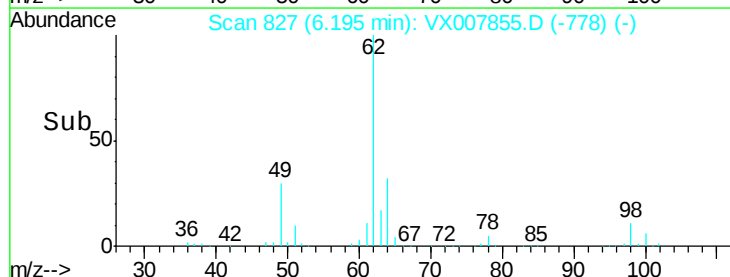
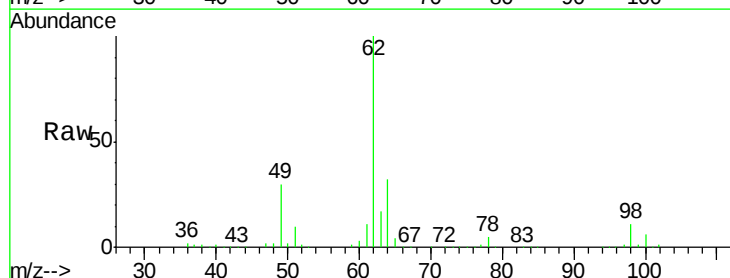
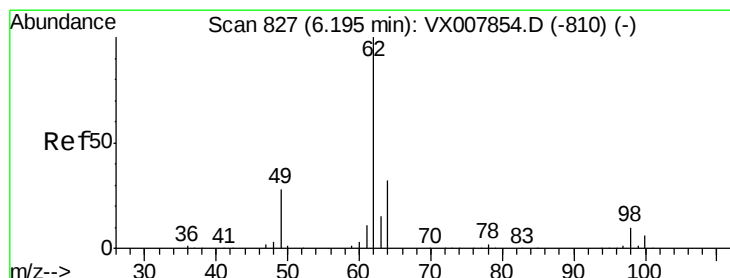
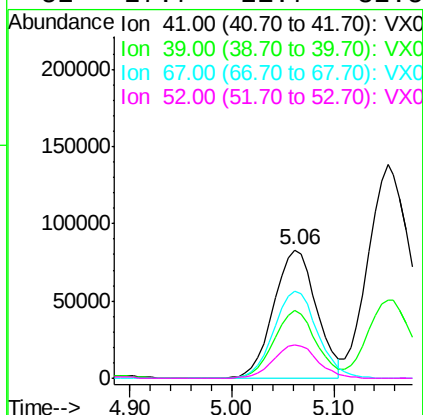
#41
Methacrylonitrile
Concen: 98.177 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		241312		
39	52.8	41.6	62.4		
67	69.8	55.8	83.6		
52	27.7	21.7	32.5		

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

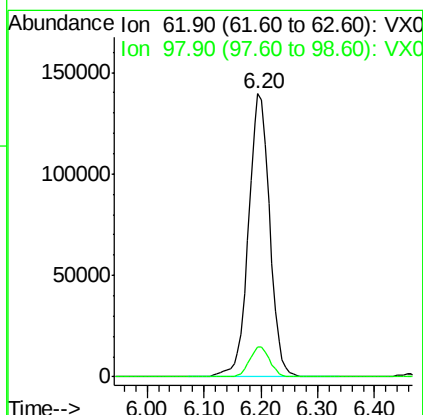
Manual Integrations
APPROVED

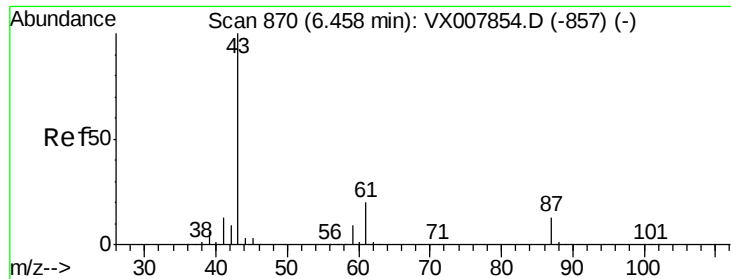
MMDadoda
3/7/2019 10:35:01 AM



#42
1,2-Dichloroethane
Concen: 97.366 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		360128		
98	10.2	0.0	20.4		





#43

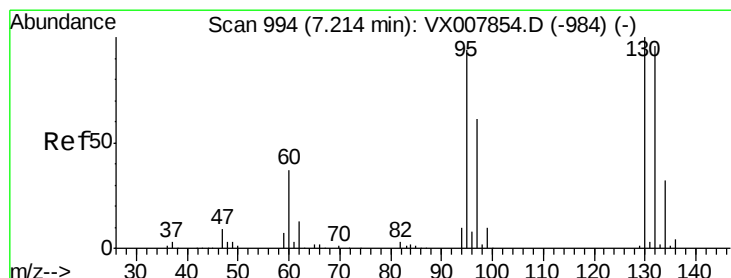
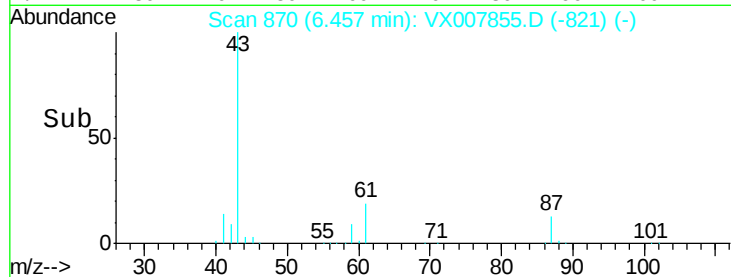
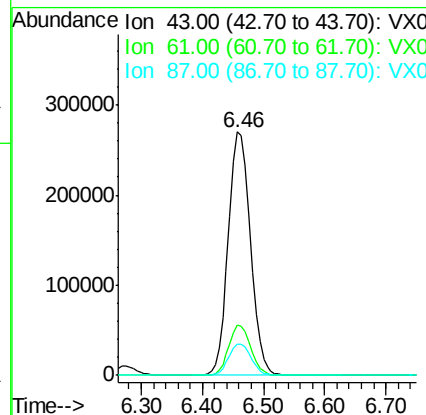
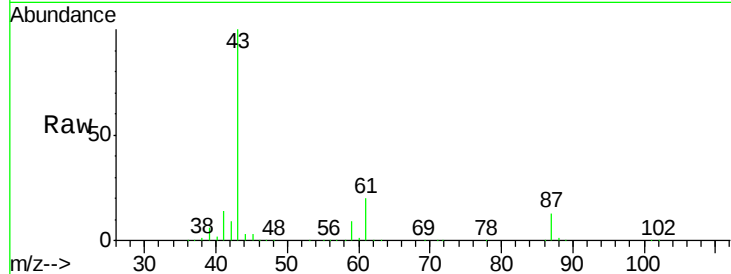
Isopropyl Acetate
 Concen: 101.275 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX007855.D
 Acq: 06 Mar 2019 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.3	24.5
87	13.0	10.5	15.7

Manual Integrations
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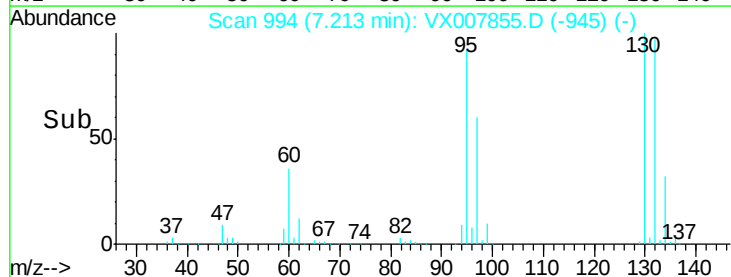
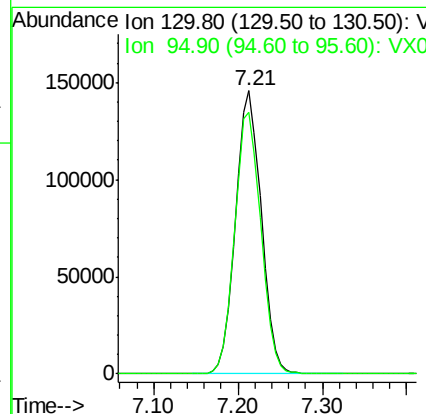
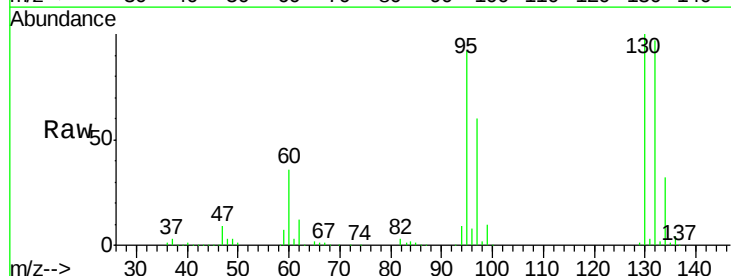
MMDadoda
 3/7/2019 10:35:01 AM

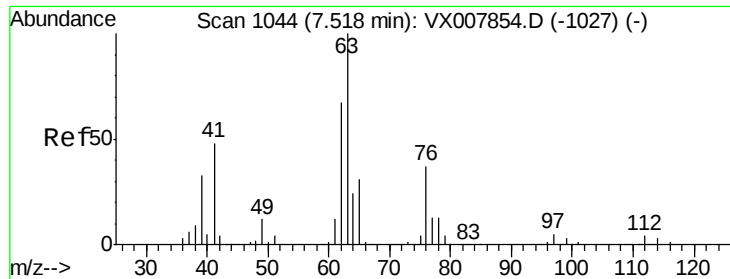


#44

Trichloroethene
 Concen: 96.666 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX007855.D
 Acq: 06 Mar 2019 11:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	188.0





#45

1,2-Dichloropropane

Concen: 98.952 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 295584

Ion Ratio Lower Upper

63 100

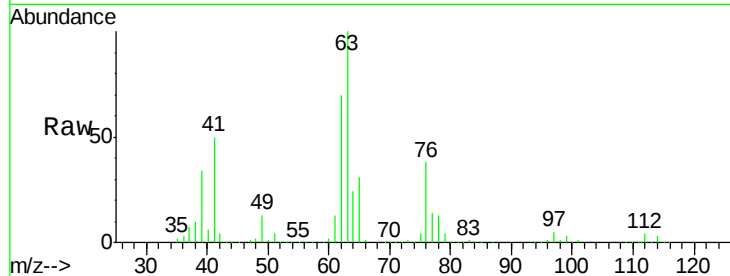
65 31.3 24.7 37.1

Manual Integrations

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3/7/2019 10:35:01 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

150000

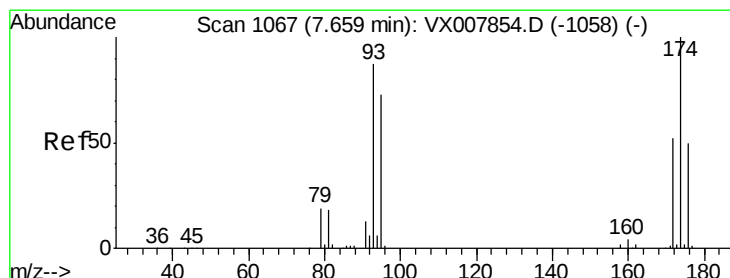
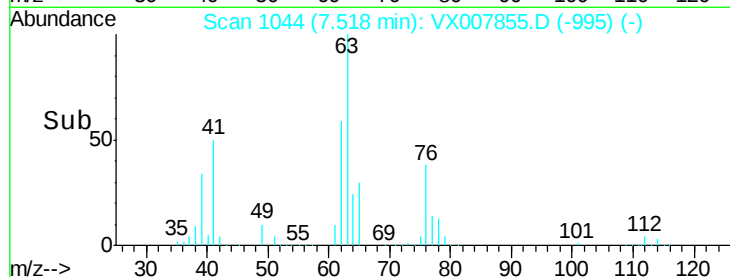
100000

50000

0

7.30 7.40 7.50 7.60 7.70

Time-->



#46

Dibromomethane

Concen: 97.992 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

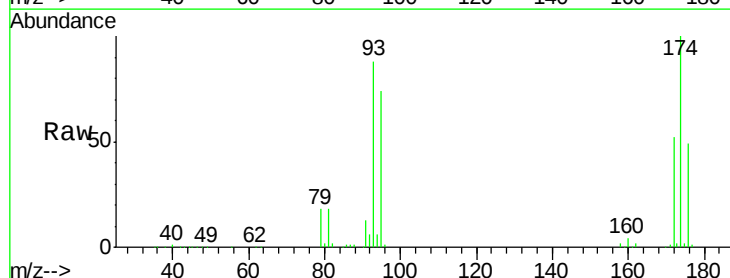
Tgt Ion: 93 Resp: 185247

Ion Ratio Lower Upper

93 100

95 84.3 66.8 100.2

174 121.9 97.3 145.9



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

150000

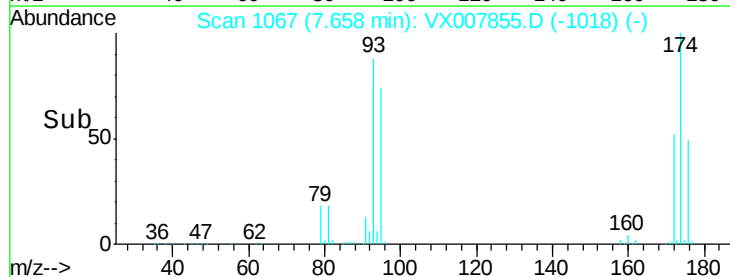
100000

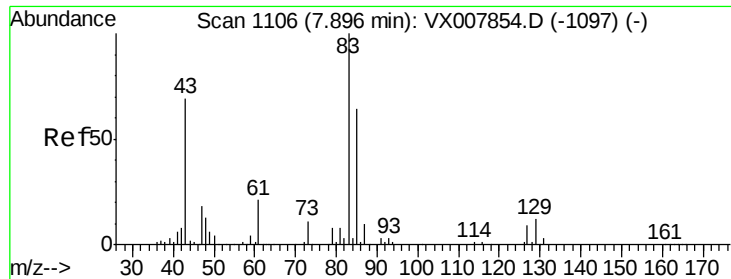
50000

0

7.60 7.70 7.80

Time-->





#47

Bromodichloromethane

Concen: 101.764 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 83 Resp: 364739

Ion Ratio Lower Upper

83 100

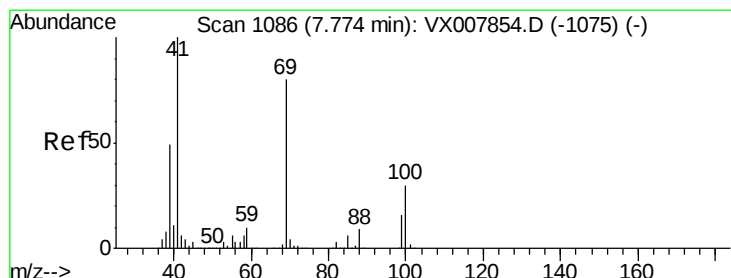
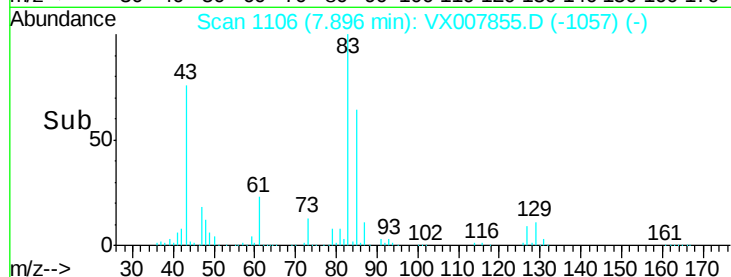
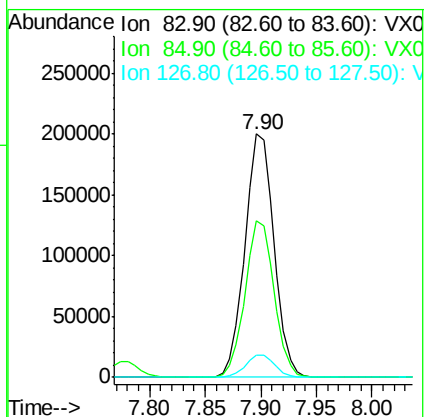
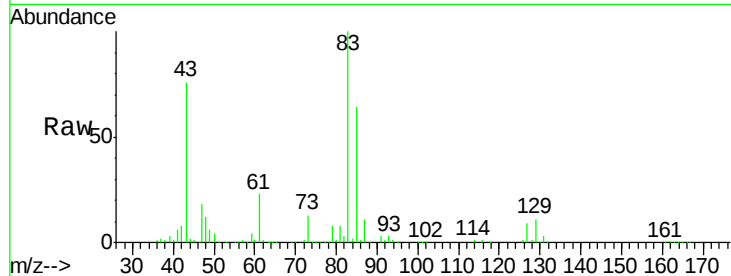
85 64.1 50.9 76.3

127 8.9 7.4 11.0

Manual Integrations
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3/7/2019 10:35:01 AM



#48

Methyl methacrylate

Concen: 100.619 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

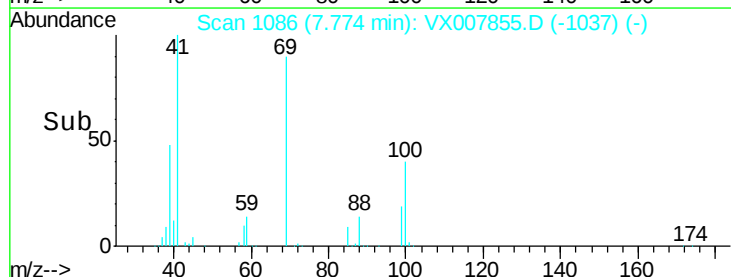
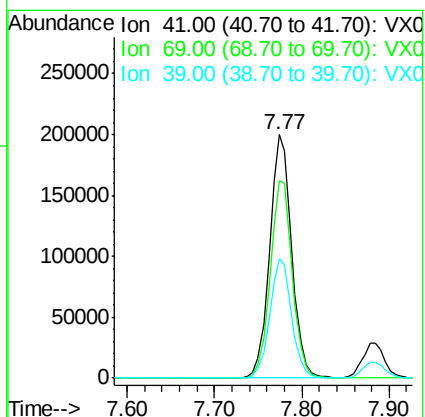
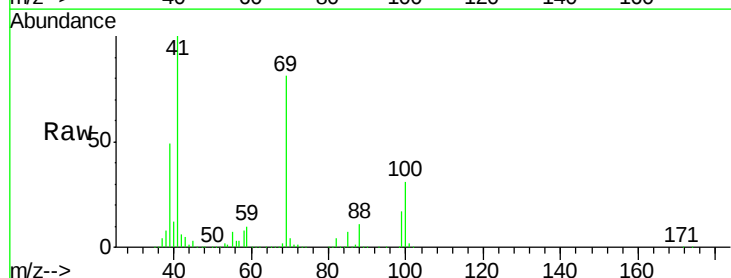
Tgt Ion: 41 Resp: 352963

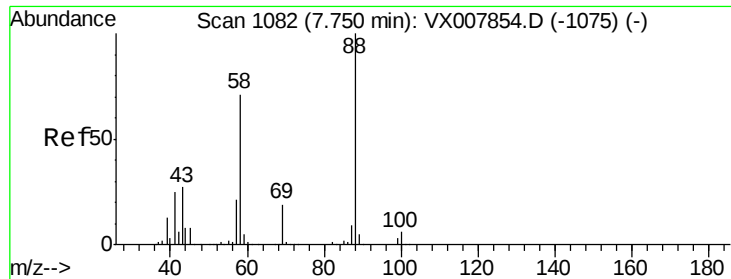
Ion Ratio Lower Upper

41 100

69 81.9 65.2 97.8

39 48.9 39.4 59.2





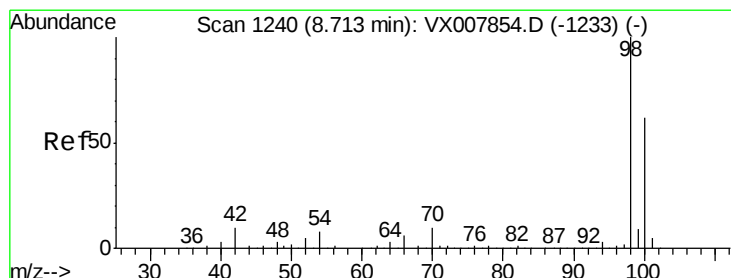
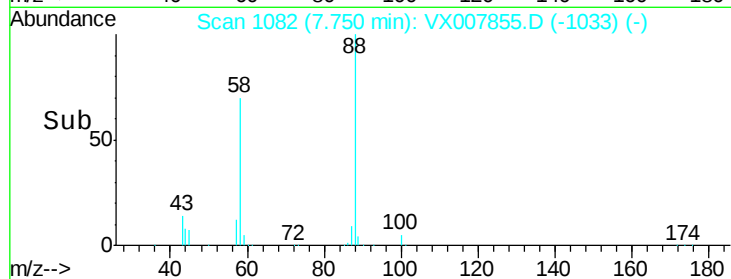
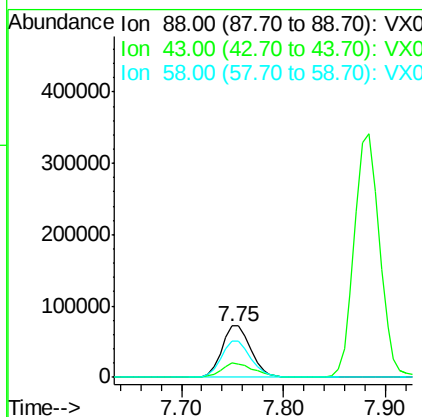
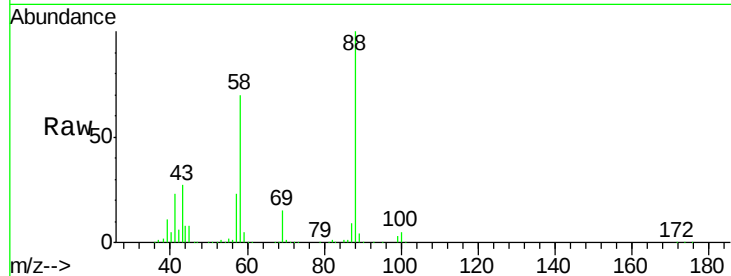
#49
1,4-Dioxane
Concen: 1985.171 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	25.1	37.7
58	72.1	57.8	86.6

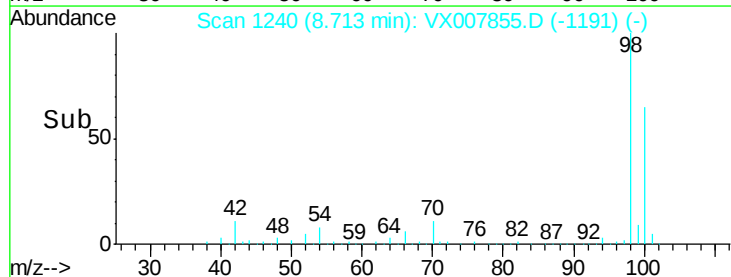
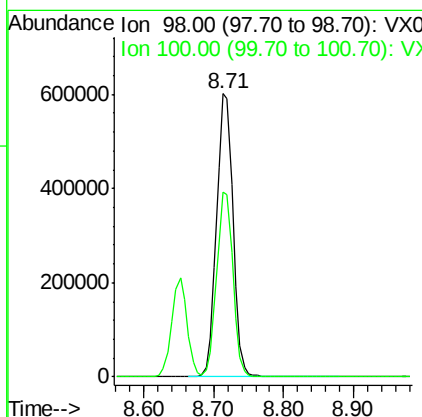
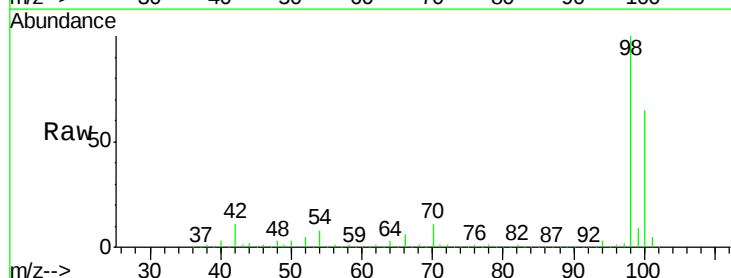
Manual Integrations
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#50
Toluene-d8
Concen: 99.625 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 493.353 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2116901

Ion Ratio Lower Upper

43 100

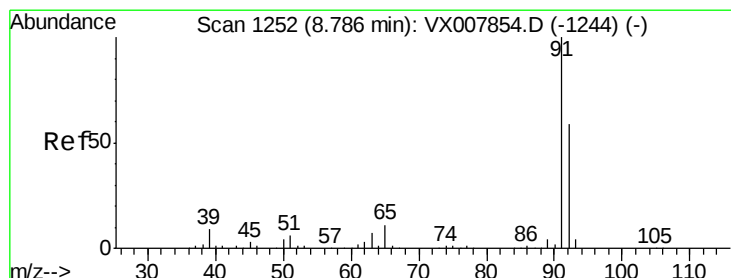
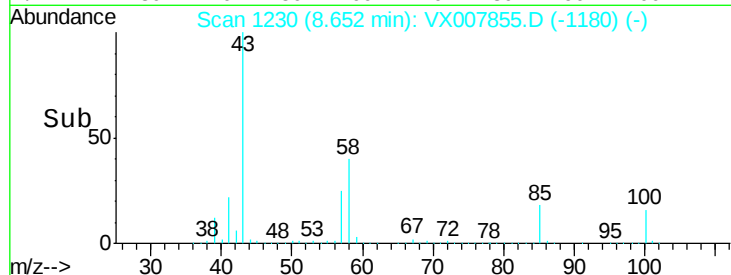
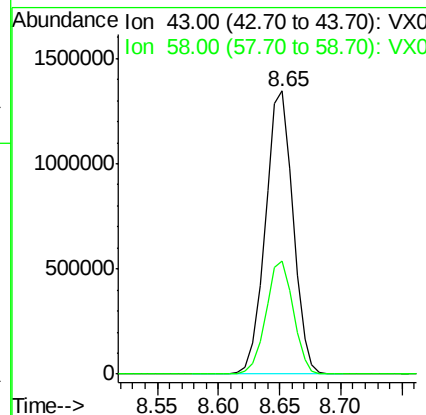
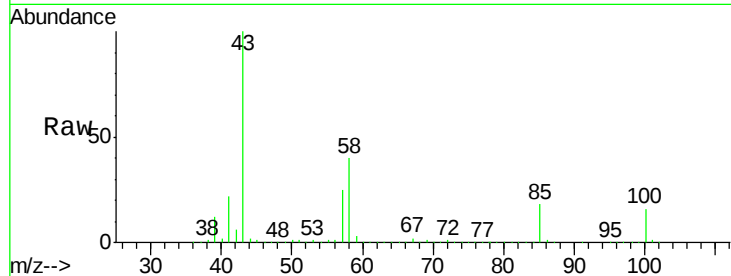
58 39.6 31.3 46.9

Manual Integrations

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3/7/2019 10:35:01 AM



#52

Toluene

Concen: 98.520 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX007855.D

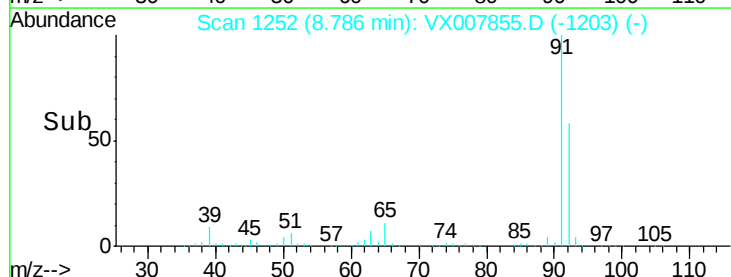
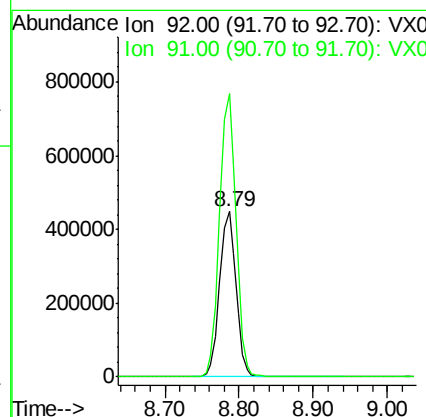
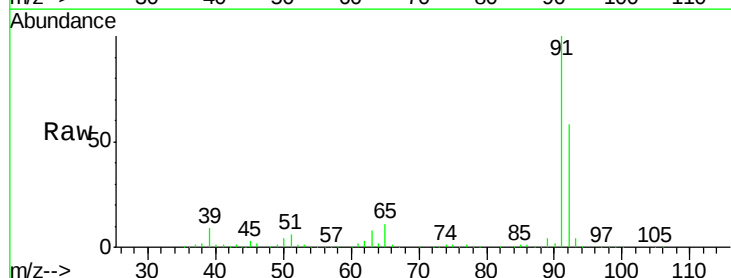
Acq: 06 Mar 2019 11:27

Tgt Ion: 92 Resp: 680280

Ion Ratio Lower Upper

92 100

91 172.5 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 109.703 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 410390

Ion Ratio Lower Upper

75 100

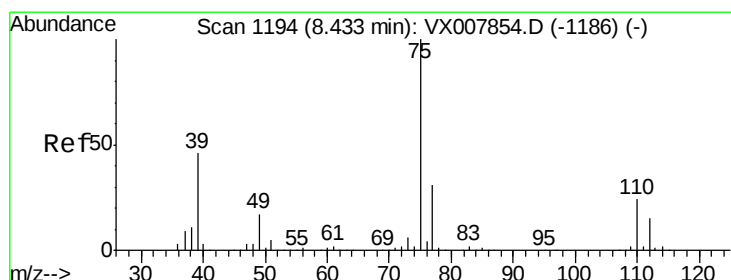
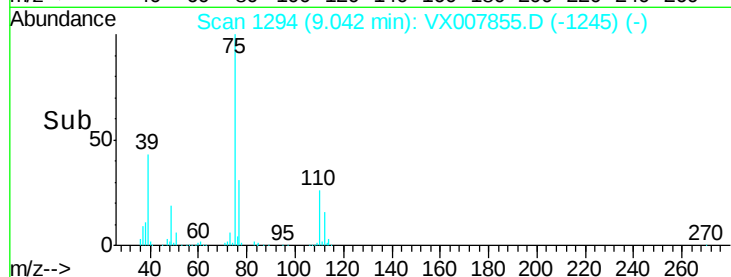
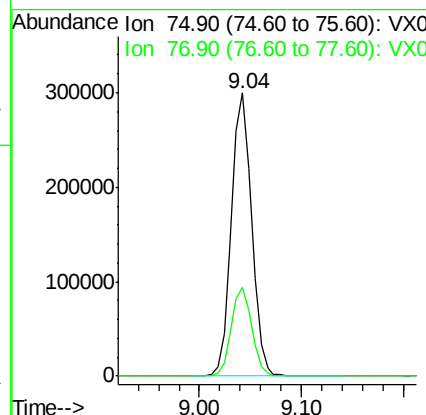
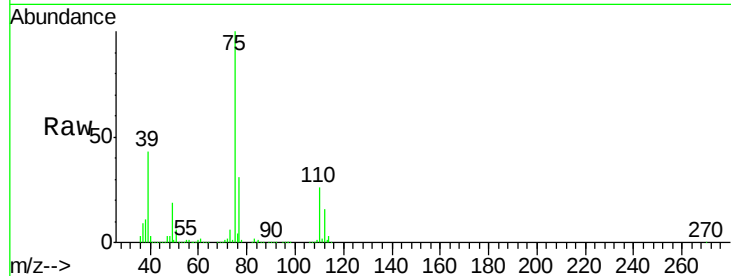
77 31.4 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 106.678 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

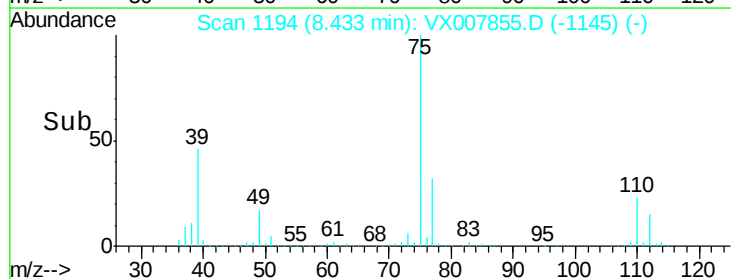
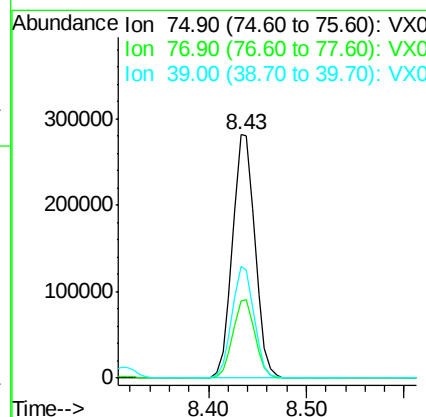
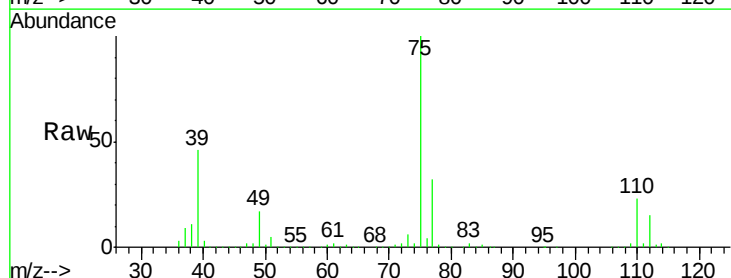
Tgt Ion: 75 Resp: 450655

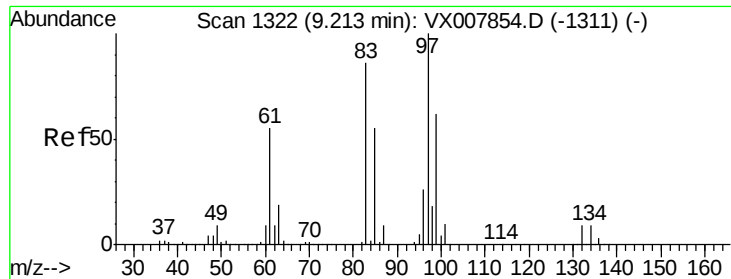
Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.6

39 46.2 36.6 54.8





#55

1,1,2-Trichloroethane

Concen: 98.306 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 97 Resp: 274785

Ion Ratio Lower Upper

97 100

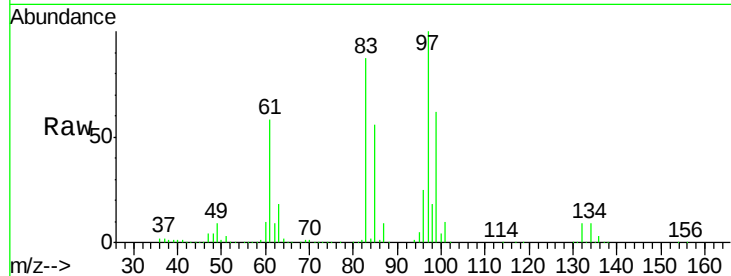
83 86.8 69.1 103.7

85 56.1 44.3 66.5

99 62.4 49.8 74.8

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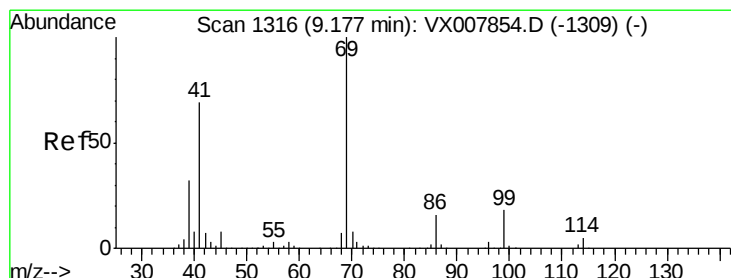
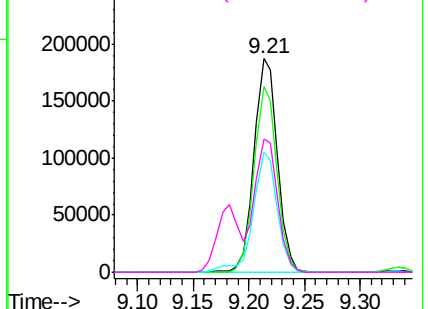
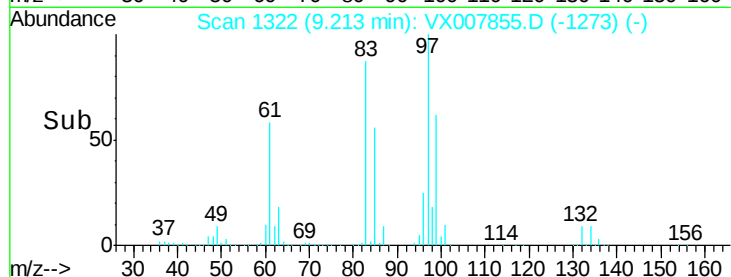


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 104.227 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

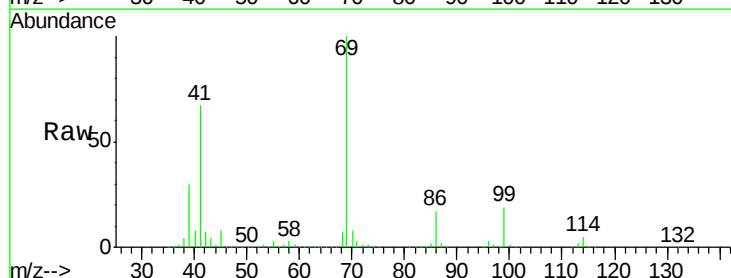
Tgt Ion: 69 Resp: 437424

Ion Ratio Lower Upper

69 100

41 67.3 54.2 81.4

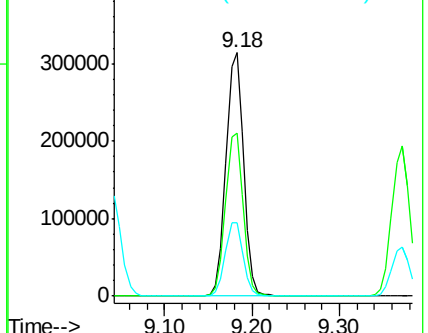
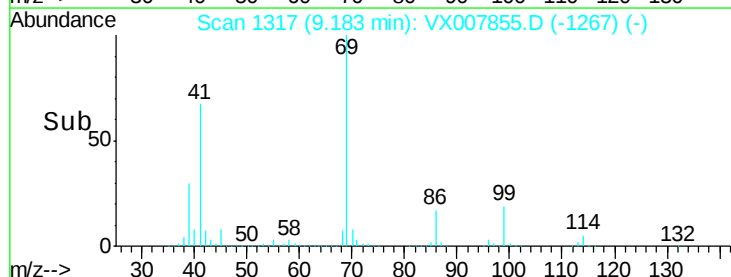
39 30.9 25.0 37.4

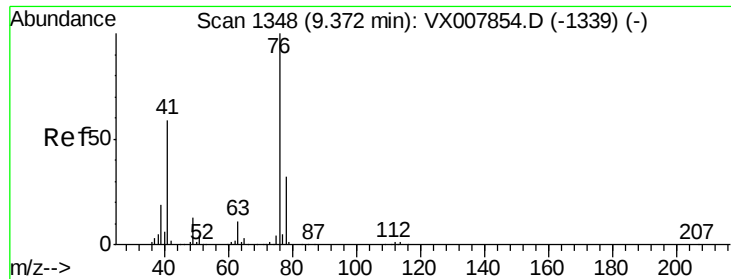


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





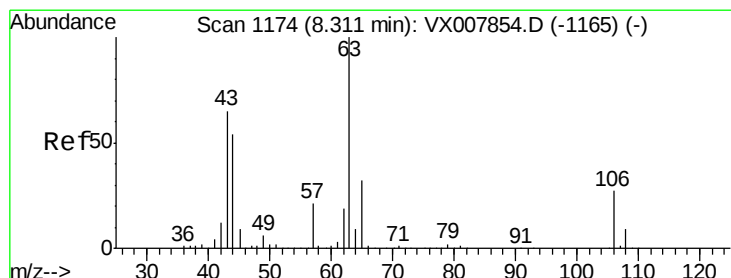
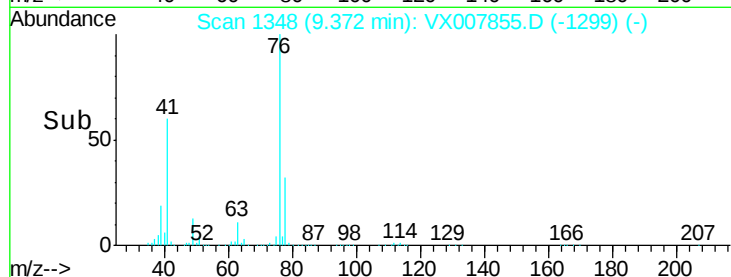
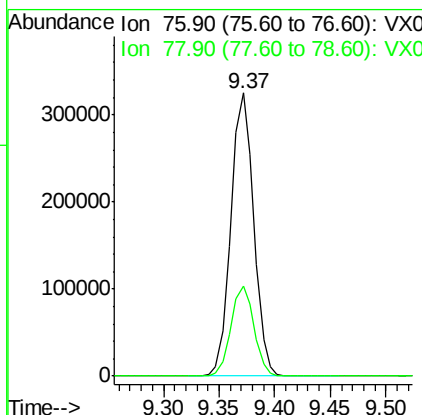
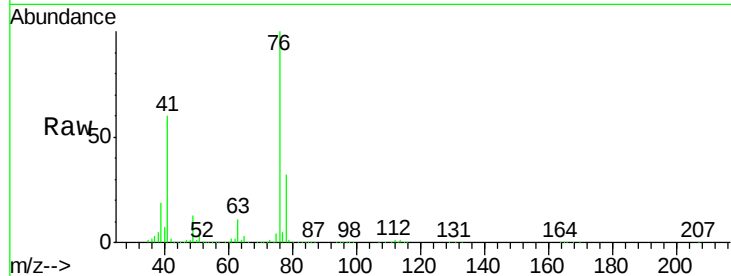
#57
 1,3-Dichloropropane
 Concen: 98.162 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX007855.D
 Acq: 06 Mar 2019 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.5	38.3

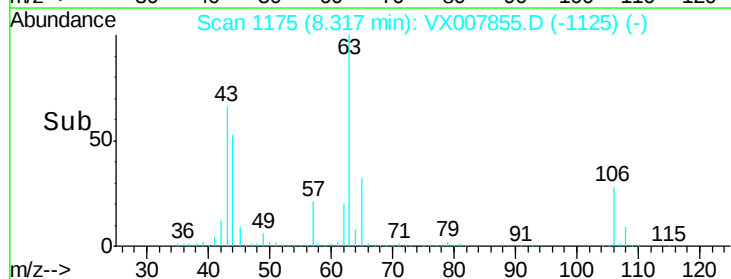
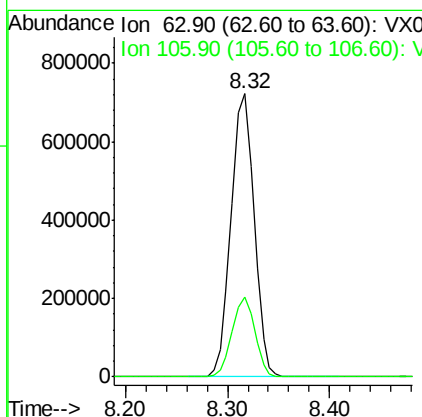
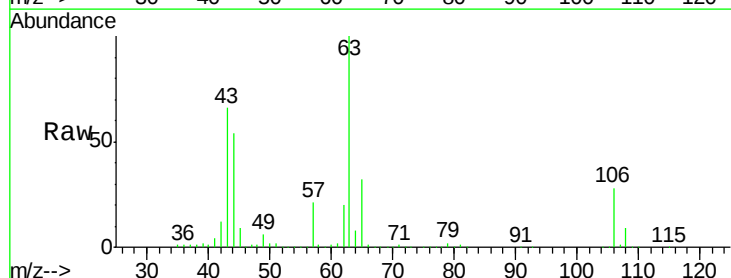
Manual Integrations
 APPROVED

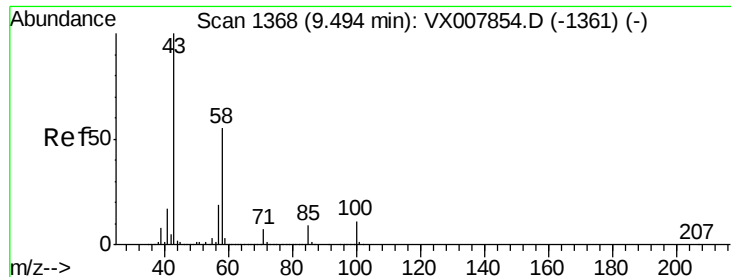
MMDadoda
 3/7/2019 10:35:01 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 519.616 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VX007855.D
 Acq: 06 Mar 2019 11:27

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.0	22.2	33.2





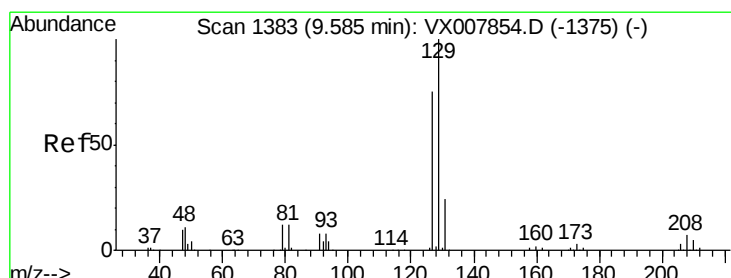
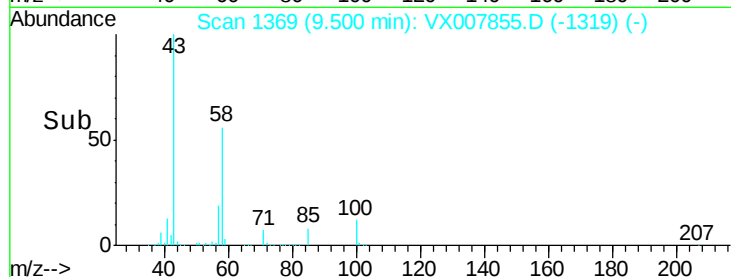
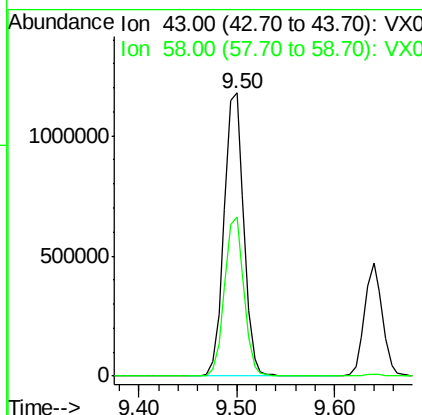
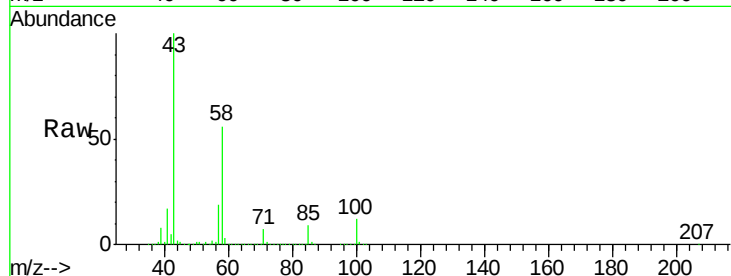
#59
2-Hexanone
Concen: 493.838 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 1645134
Ion Ratio Lower Upper
43 100
58 55.4 27.6 82.7

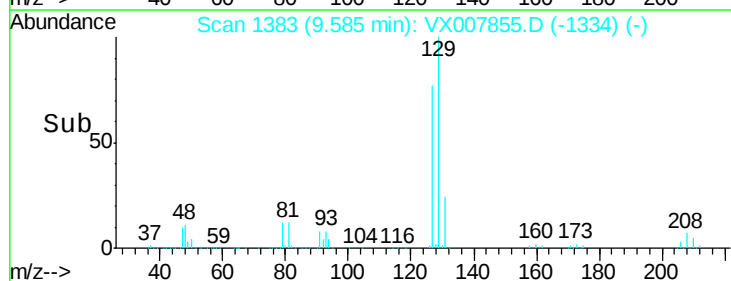
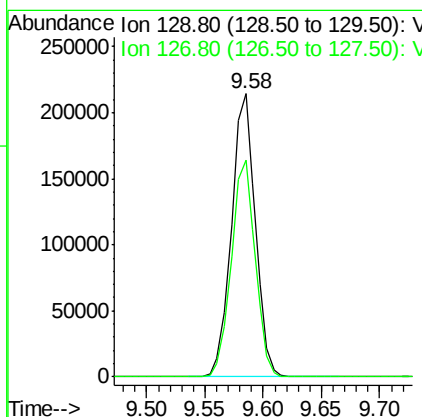
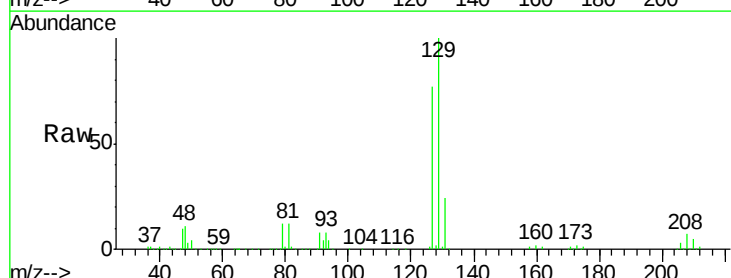
Manual Integrations
APPROVED

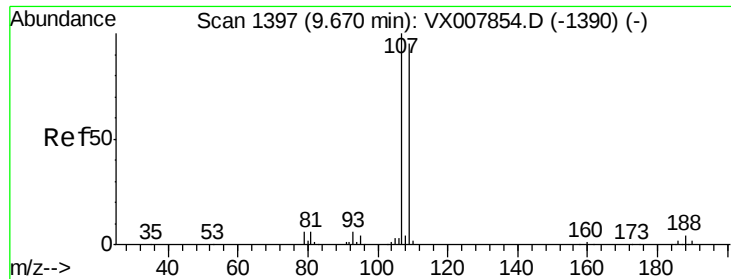
MMDadoda
3/7/2019 10:35:01 AM



#60
Dibromochloromethane
Concen: 104.503 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Tgt Ion: 129 Resp: 305320
Ion Ratio Lower Upper
129 100
127 77.0 38.3 114.8





#61

1,2-Dibromoethane

Concen: 98.682 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 292859

Ion Ratio Lower Upper

107 100

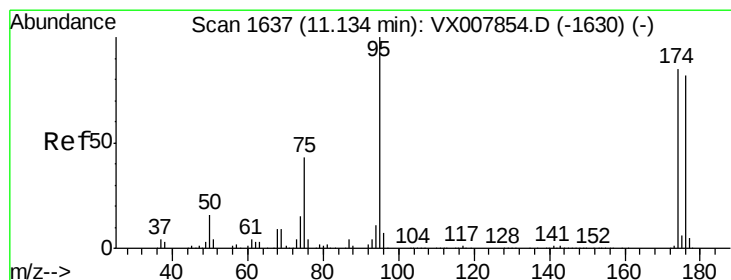
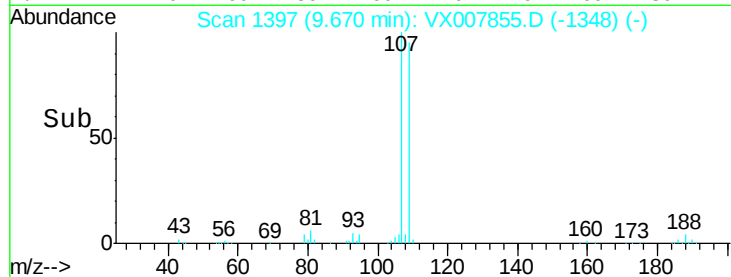
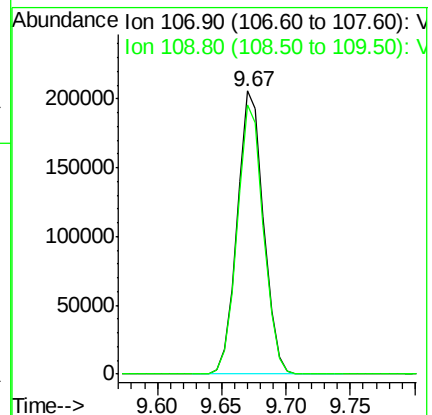
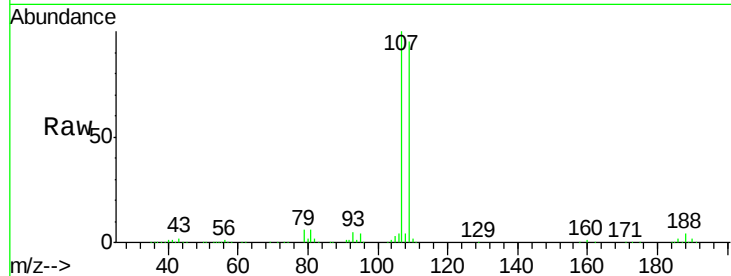
109 95.0 75.8 113.8

Manual Integrations

APPROVED

MMDadoda

3/7/2019 10:35:01 AM



#62

4-Bromofluorobenzene

Concen: 101.283 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

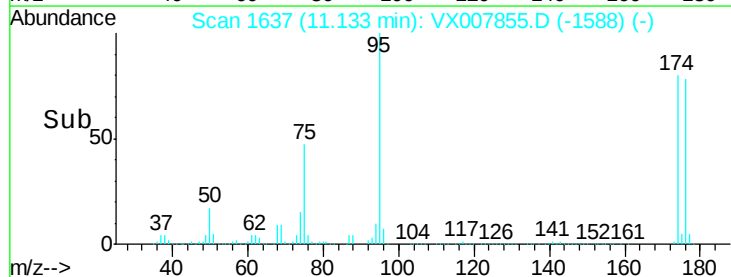
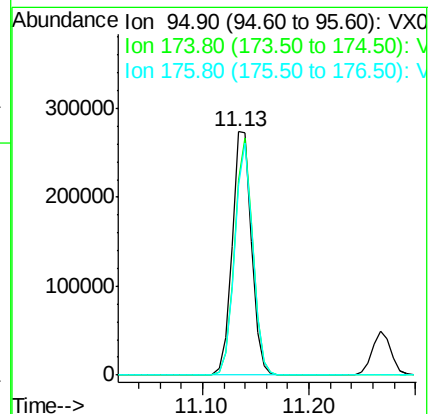
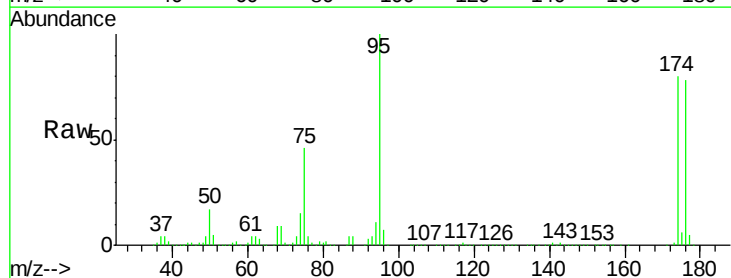
Tgt Ion: 95 Resp: 349997

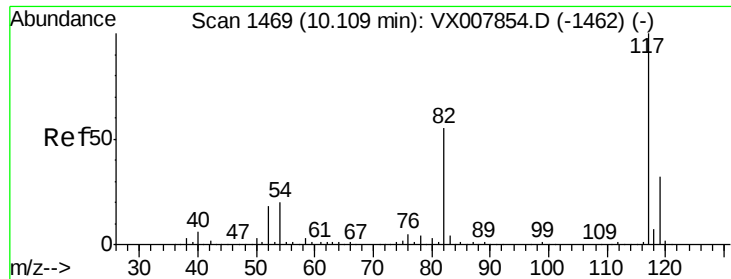
Ion Ratio Lower Upper

95 100

174 91.7 0.0 182.8

176 89.6 0.0 178.0





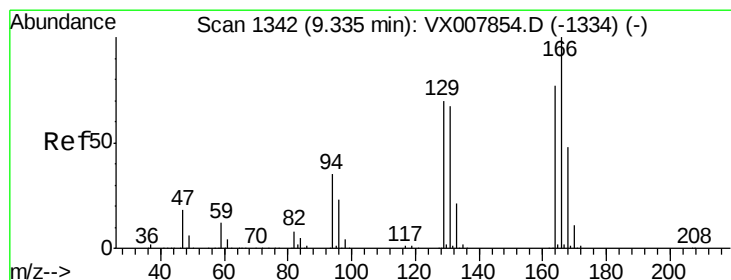
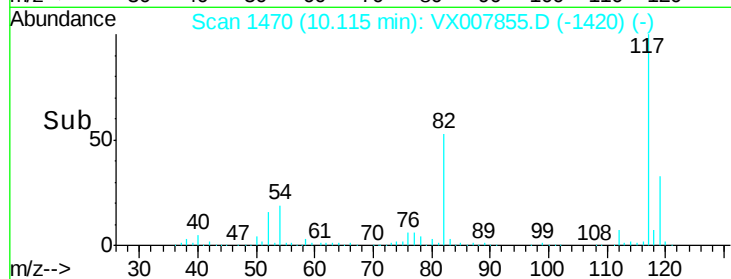
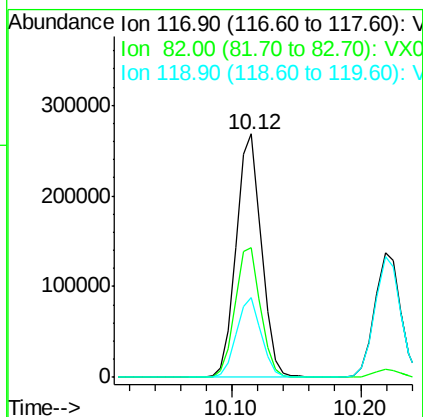
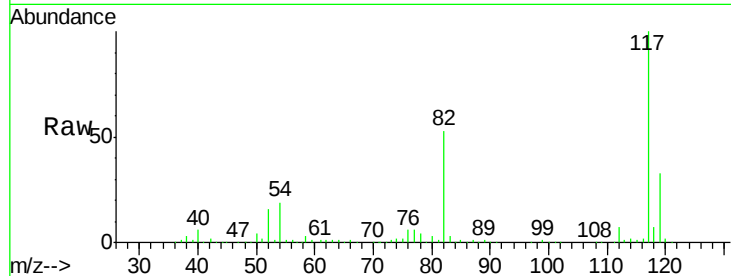
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	44.3	66.5
119	32.9	25.3	37.9

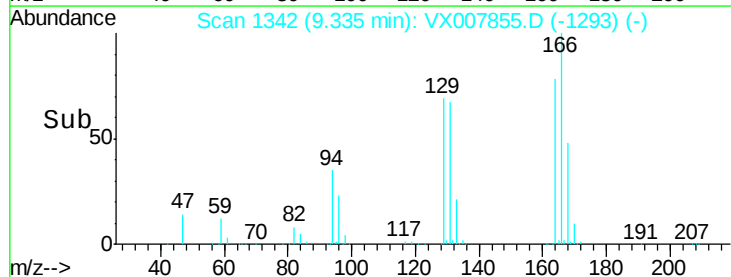
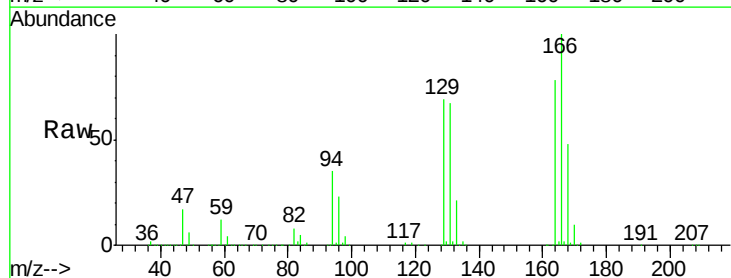
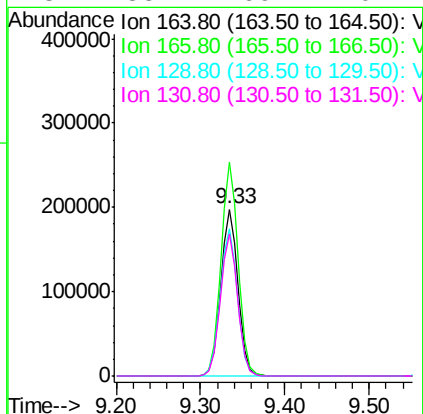
Manual Integrations
APPROVED

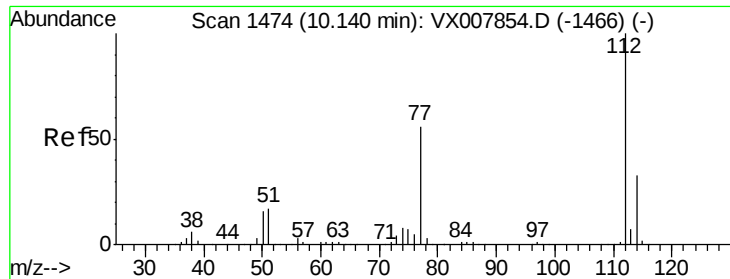
MMDadoda
3/7/2019 10:35:01 AM



#64
Tetrachloroethene
Concen: 92.031 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	103.4	155.0
129	88.2	72.2	108.4
131	85.1	69.4	104.2





#65

Chlorobenzene

Concen: 97.033 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:112 Resp: 742125

Ion Ratio Lower Upper

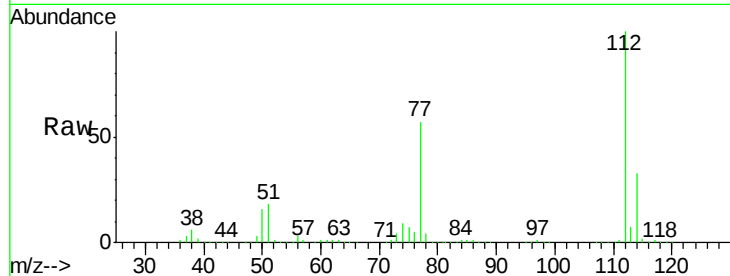
112 100

114 32.5 26.0 39.0

Manual Integrations
APPROVED

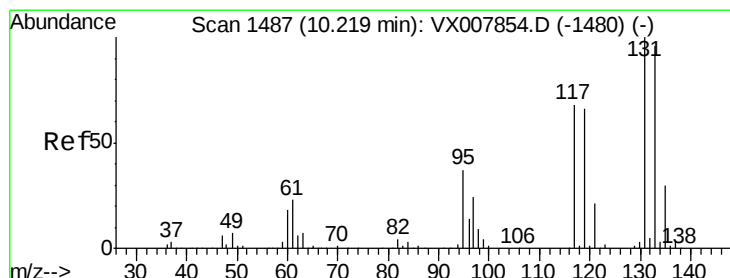
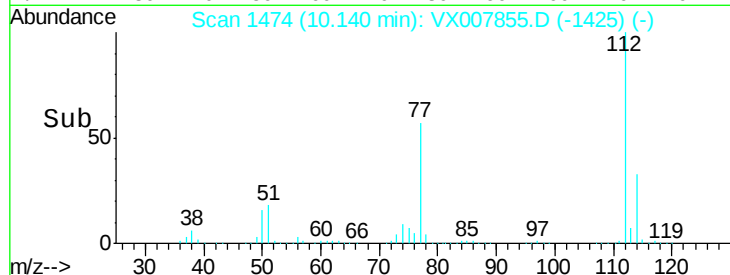
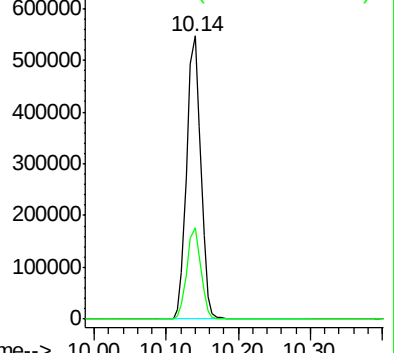
MMDadoda

3/7/2019 10:35:01 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: 101.252 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

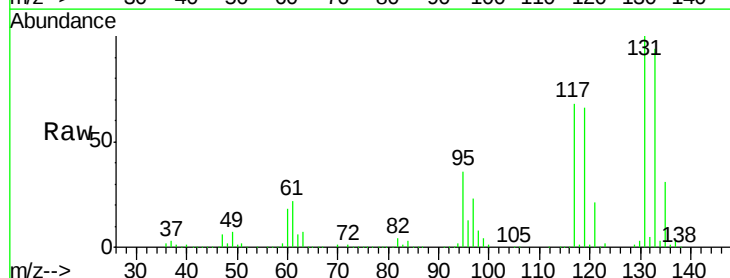
Tgt Ion:131 Resp: 277541

Ion Ratio Lower Upper

131 100

133 95.3 47.8 143.3

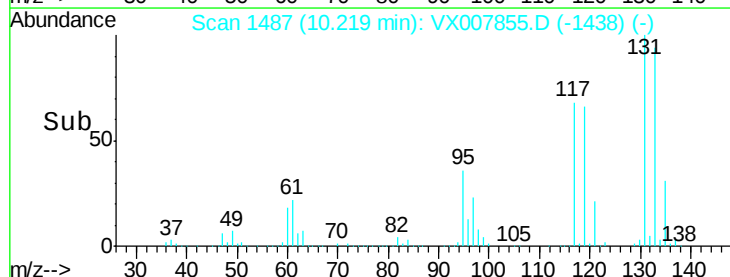
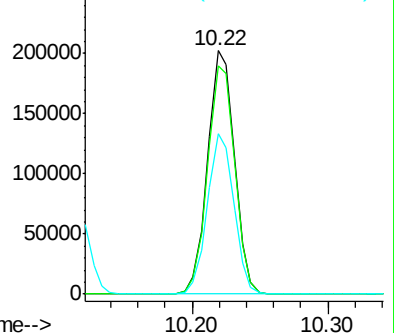
119 65.3 32.5 97.5

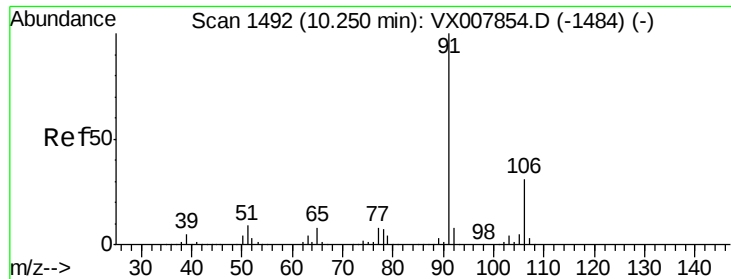


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





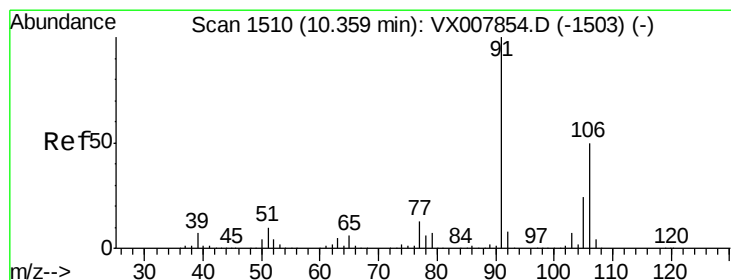
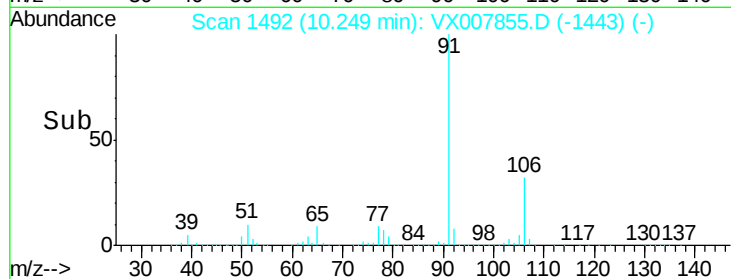
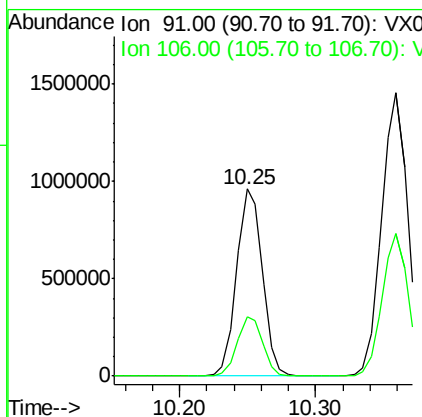
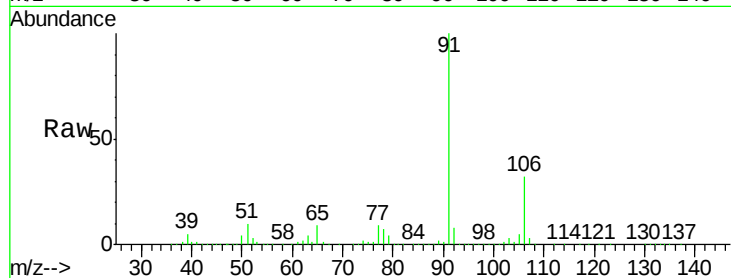
#67
Ethyl Benzene
Concen: 100.640 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1267023
Ion Ratio Lower Upper
91 100
106 31.7 25.2 37.8

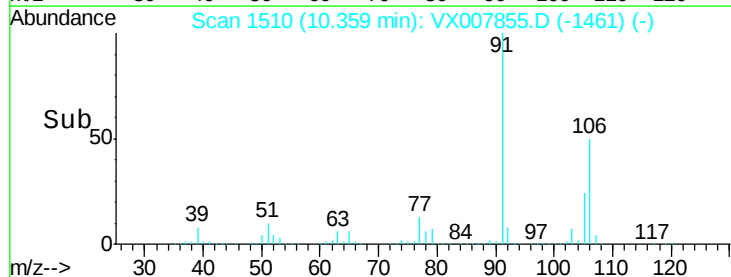
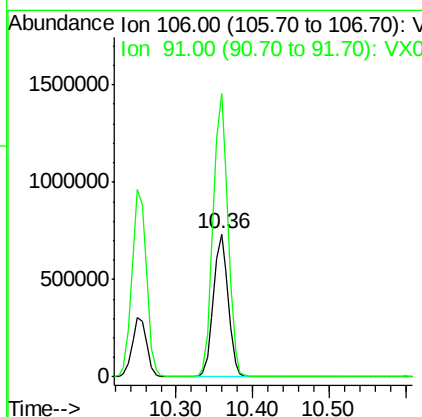
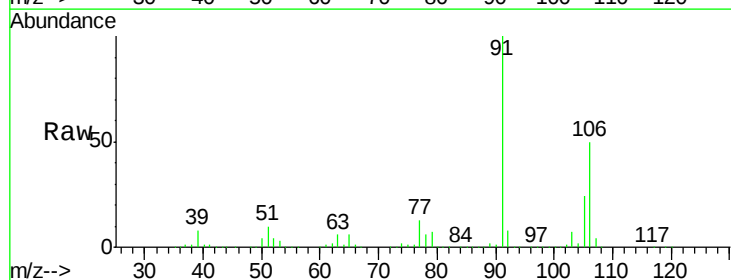
Manual Integrations
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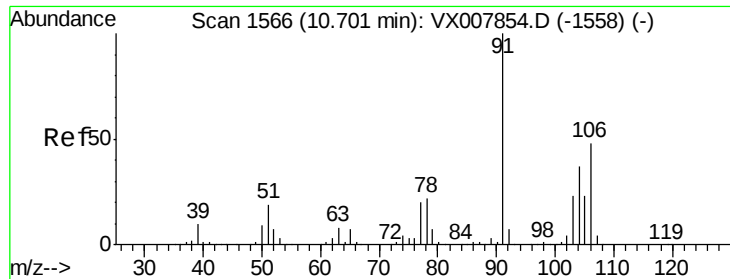
MMDadoda
3/7/2019 10:35:01 AM



#68
m/p-Xylenes
Concen: 201.575 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Tgt Ion: 106 Resp: 978183
Ion Ratio Lower Upper
106 100
91 200.0 159.8 239.6





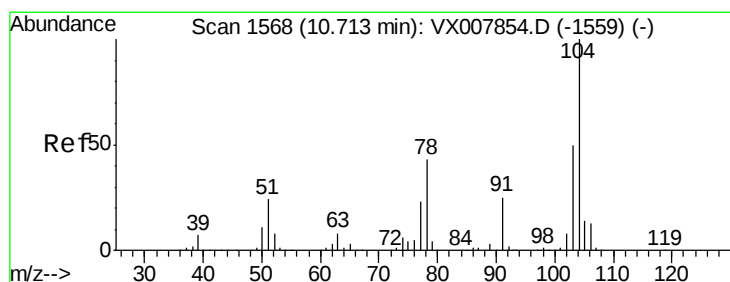
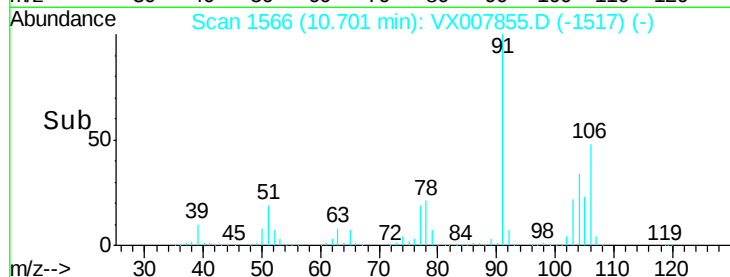
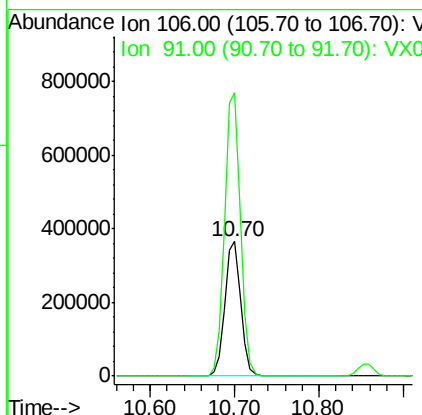
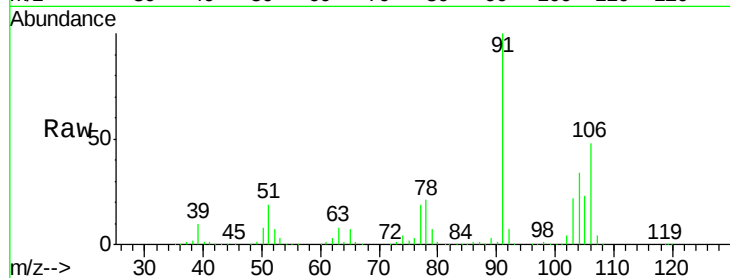
#69
o-Xylene
Concen: 101.555 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion:106 Resp: 475785
Ion Ratio Lower Upper
106 100
91 211.5 106.3 318.9

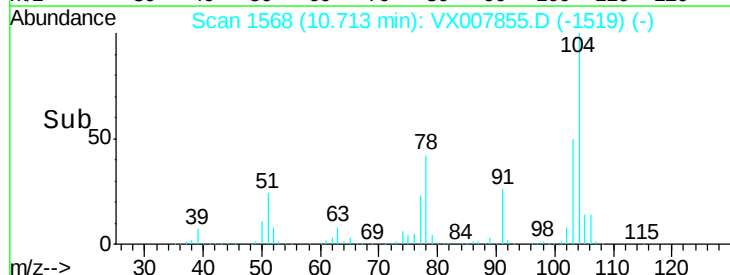
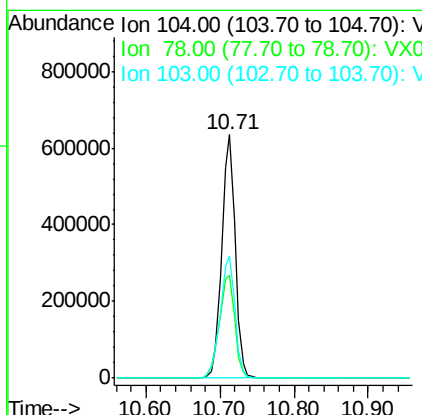
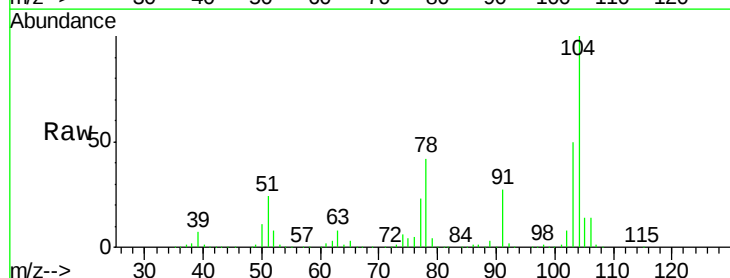
Manual Integrations
APPROVED

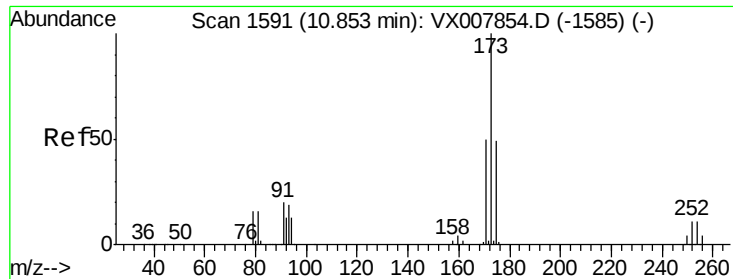
MMDadoda
3/7/2019 10:35:01 AM



#70
Styrene
Concen: 103.451 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Tgt Ion:104 Resp: 793106
Ion Ratio Lower Upper
104 100
78 48.2 38.5 57.7
103 55.1 44.1 66.1





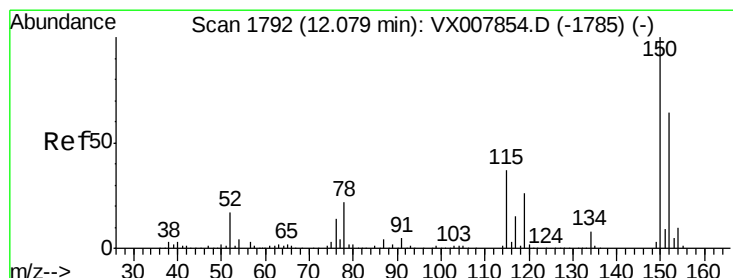
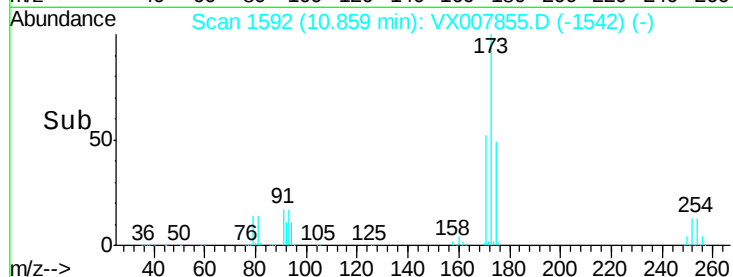
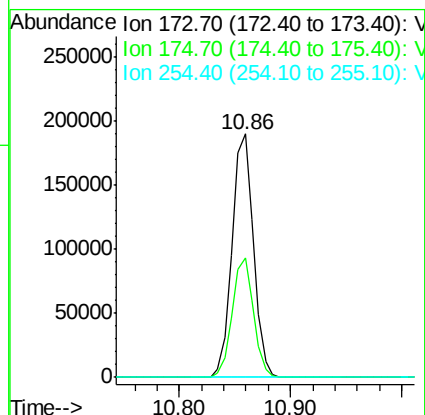
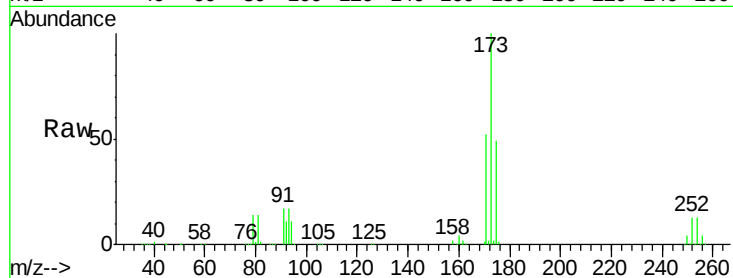
#71
Bromoform
Concen: 106.751 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.01 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.9
254	0.2	0.1	0.1#

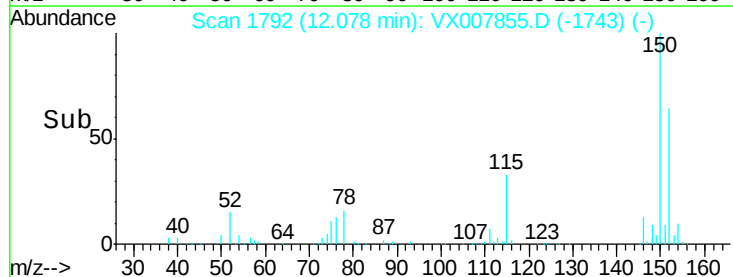
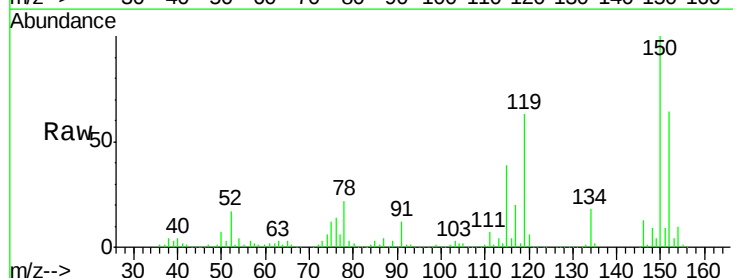
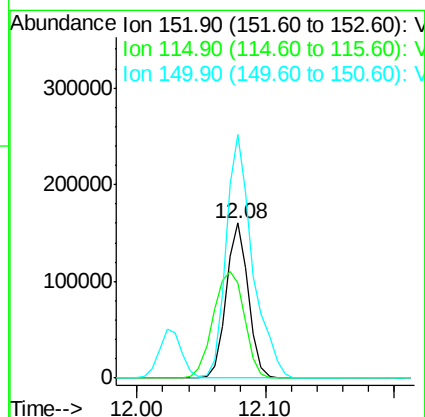
Manual Integrations
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3/7/2019 10:35:01 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	97.5	38.6	115.7
150	188.0	0.0	348.4





#73

Isopropylbenzene

Concen: 96.641 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 1260702

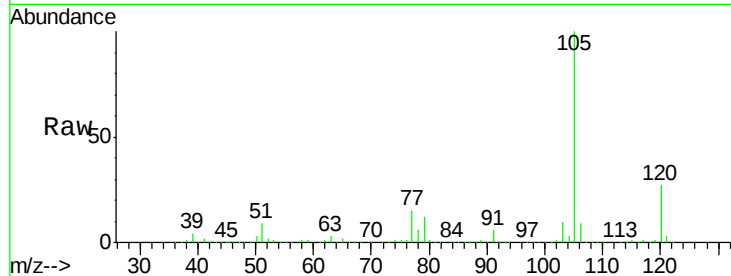
Ion Ratio Lower Upper

105 100

120 27.0 13.4 40.1

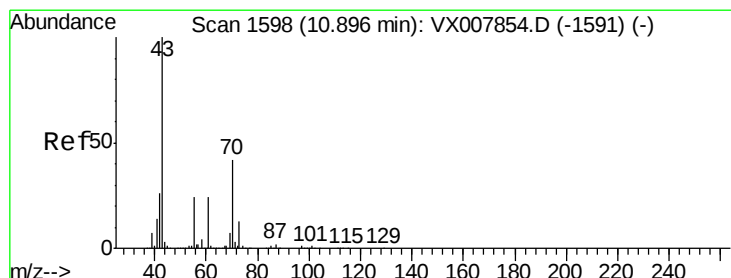
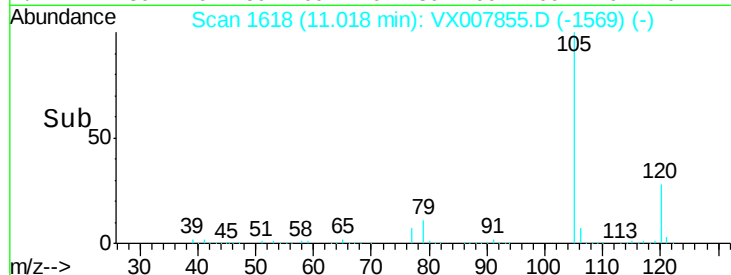
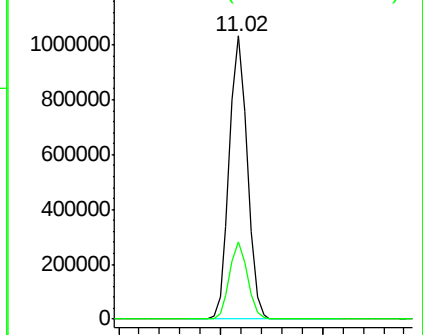
Manual Integrations
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3/7/2019 10:35:01 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 101.394 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Tgt Ion: 43 Resp: 603852

Ion Ratio Lower Upper

43 100

70 41.8 33.5 50.3

55 23.7 19.2 28.8

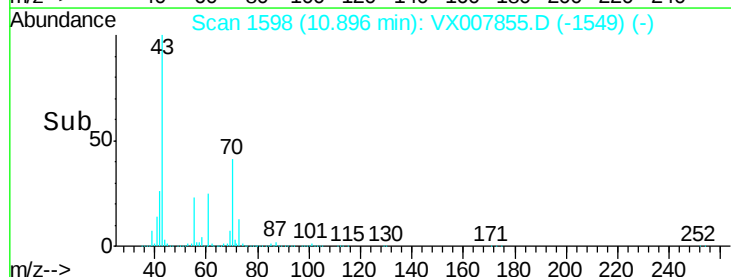
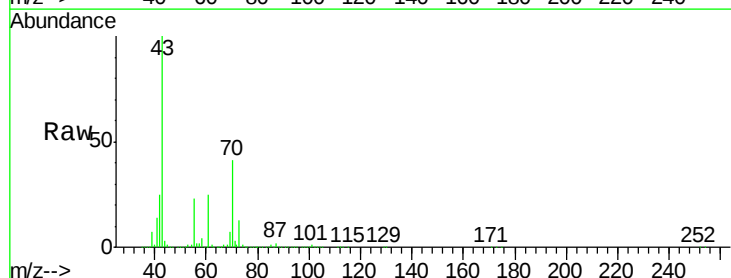
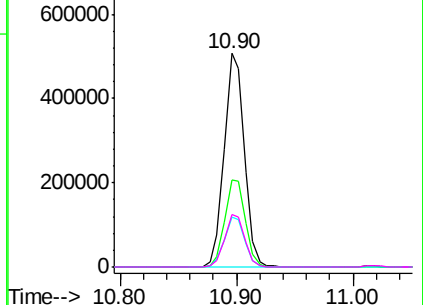
61 24.5 19.0 28.6

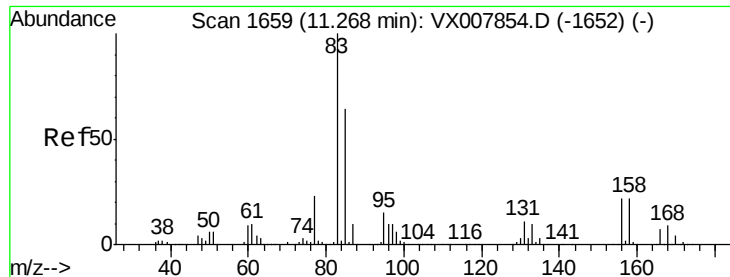
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 93.345 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 420032

Ion Ratio Lower Upper

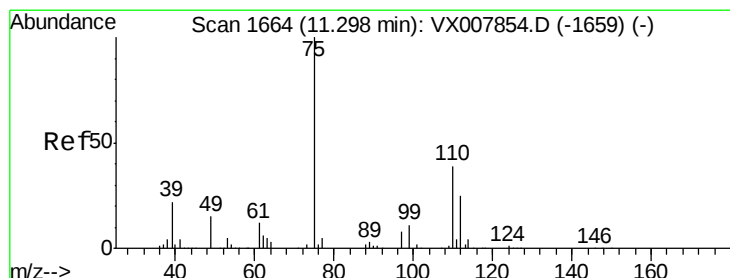
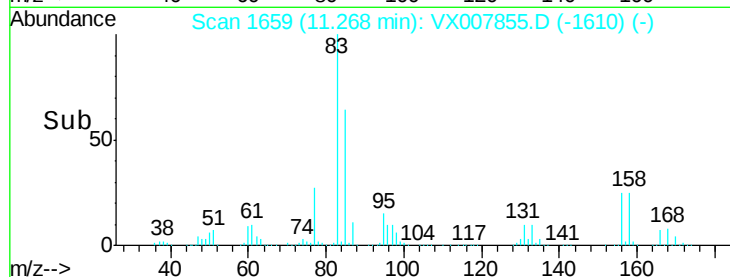
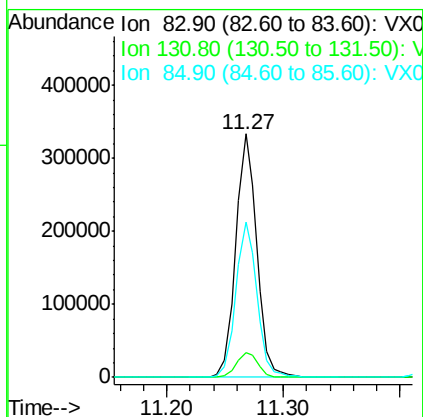
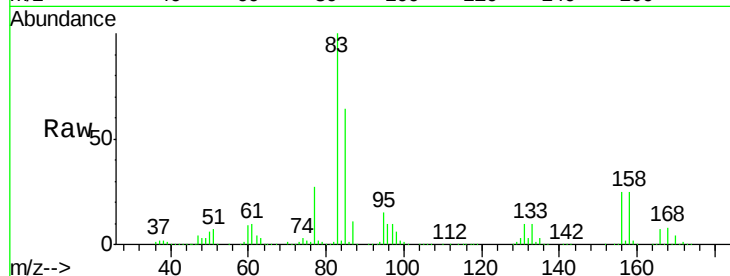
83 100

131 10.5 5.4 16.2

85 64.3 32.3 96.8

Manual Integrations
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MMDadoda
3/7/2019 10:35:01 AM



#76

1,2,3-Trichloropropane

Concen: 96.660 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX007855.D

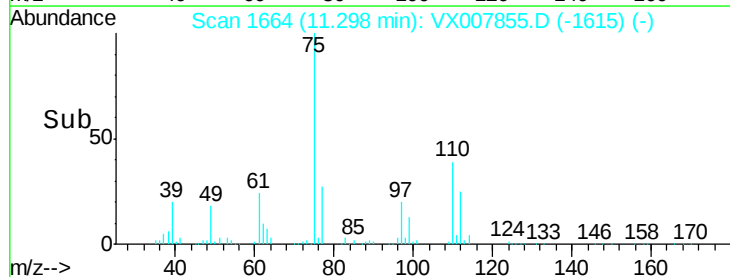
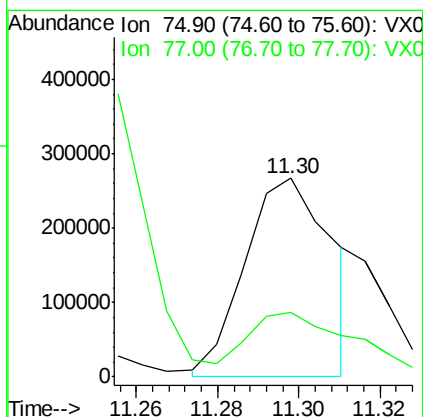
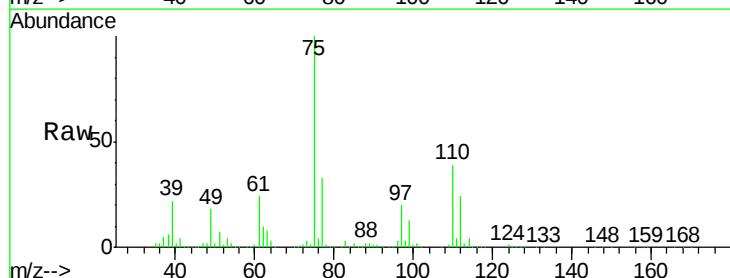
Acq: 06 Mar 2019 11:27

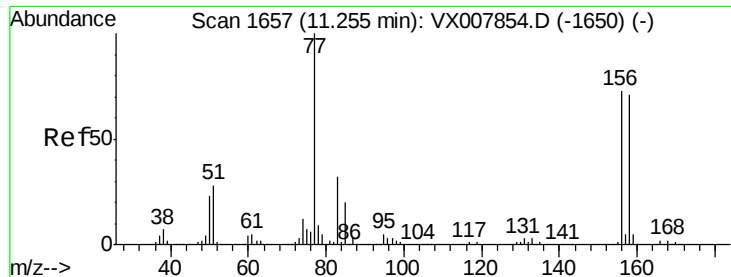
Tgt Ion: 75 Resp: 394488

Ion Ratio Lower Upper

75 100

77 40.0 18.9 56.7





#77

Bromobenzene

Concen: 94.041 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Instrument :

MSVOA_X

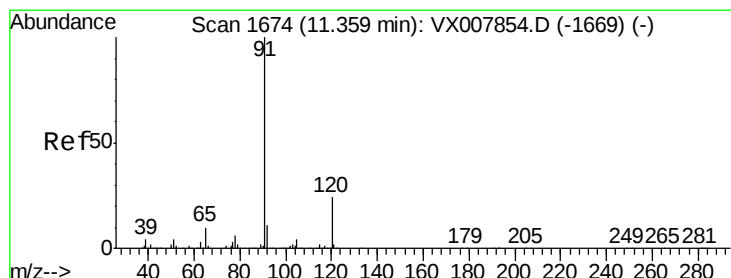
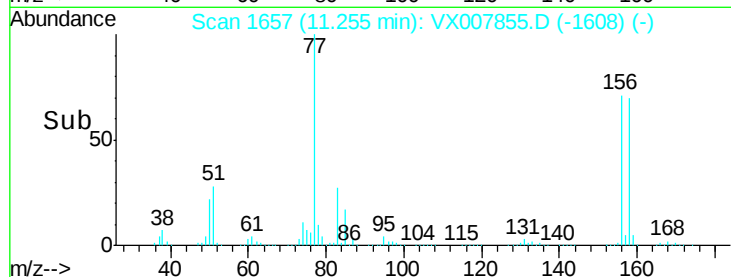
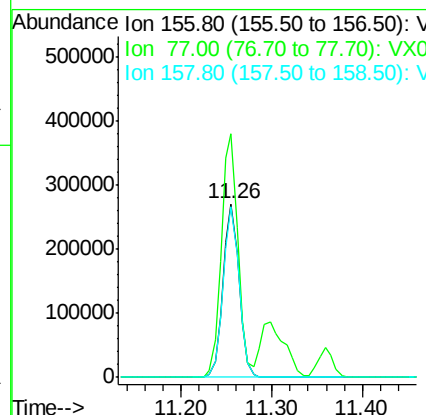
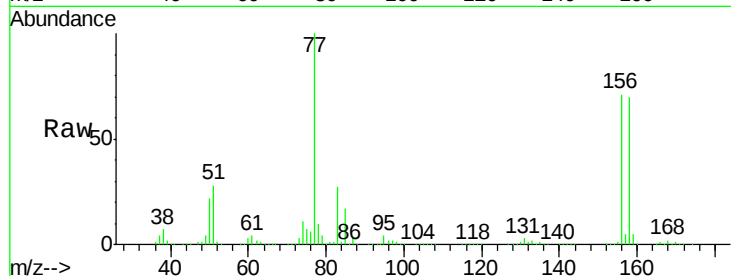
ClientSampleId :

VSTDICC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	145.4	72.0	215.9
158	98.2	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 99.564 ug/l

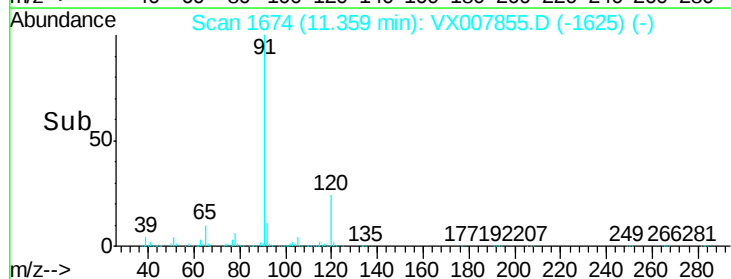
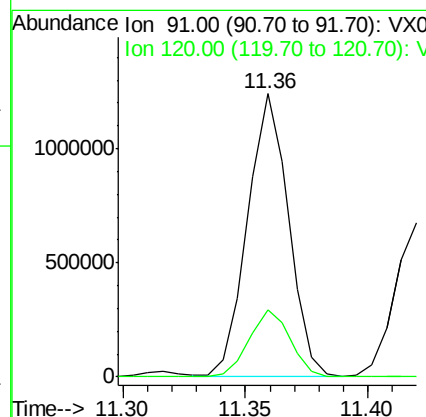
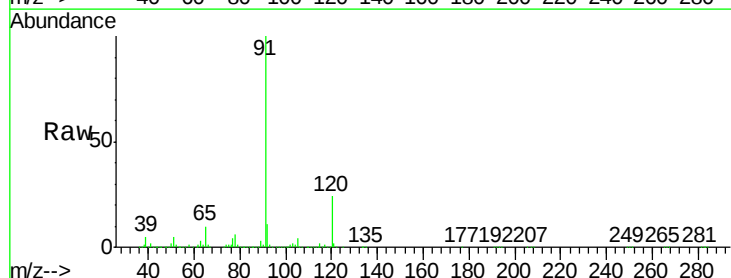
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	12.0	36.0





#79

2-Chlorotoluene

Concen: 94.964 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 840300

Ion Ratio Lower Upper

91 100

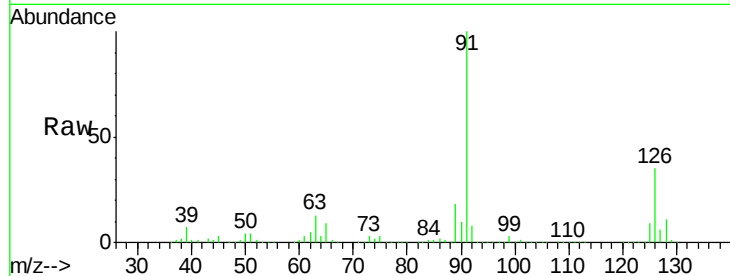
126 35.4 17.5 52.6

Manual Integrations

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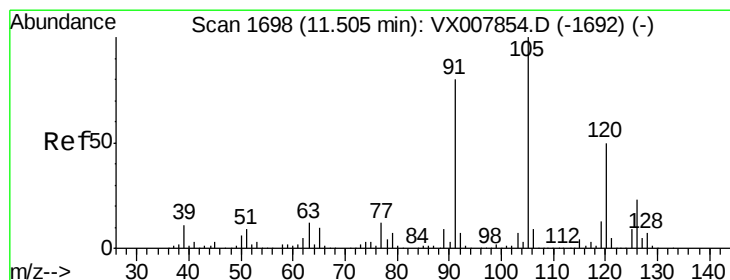
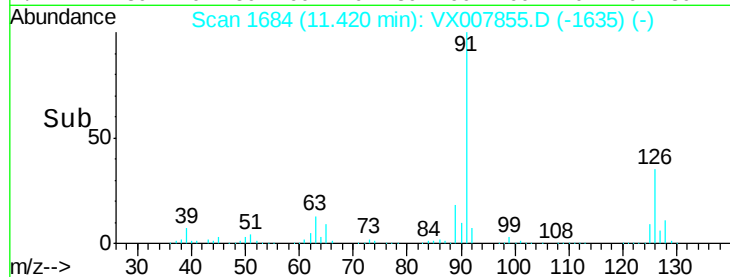
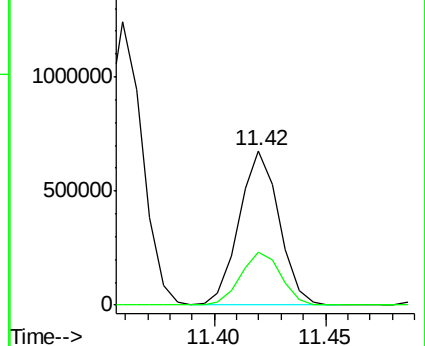
MMDadoda

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

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



#80

1,3,5-Trimethylbenzene

Concen: 98.509 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007855.D

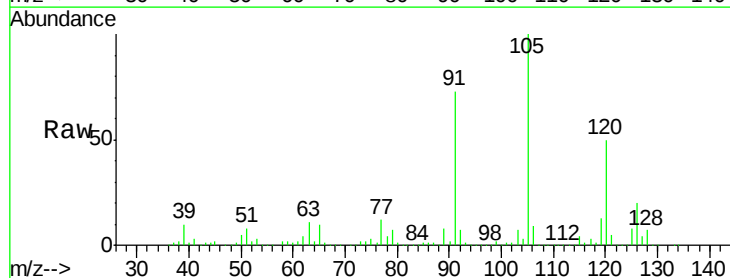
Acq: 06 Mar 2019 11:27

Tgt Ion: 105 Resp: 1057686

Ion Ratio Lower Upper

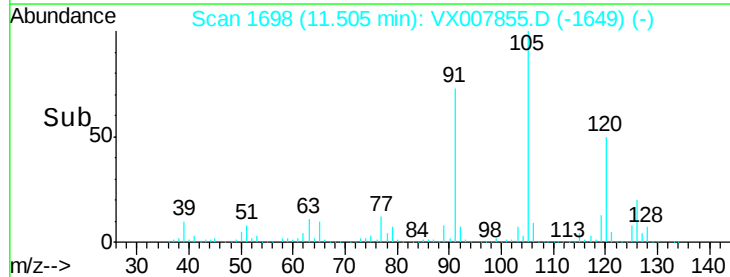
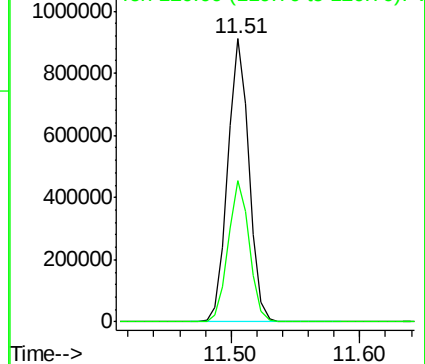
105 100

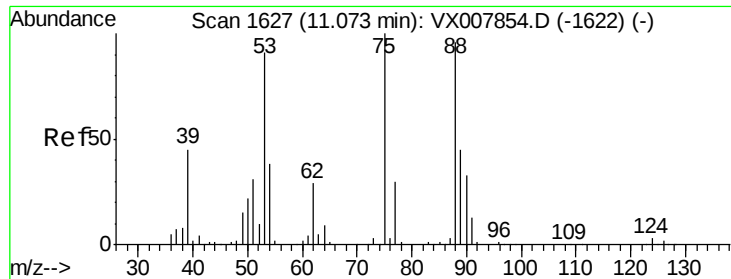
120 49.7 24.9 74.6



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

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





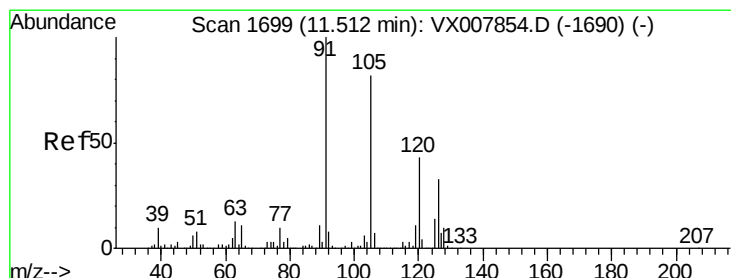
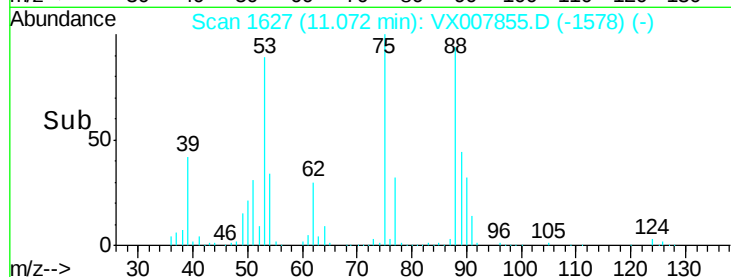
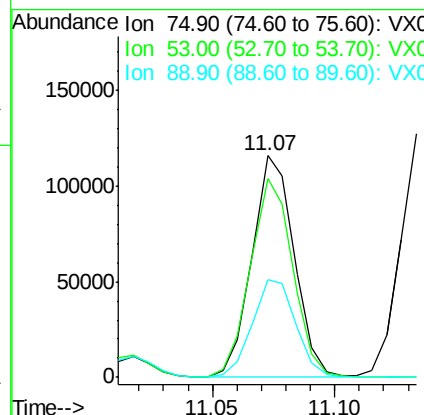
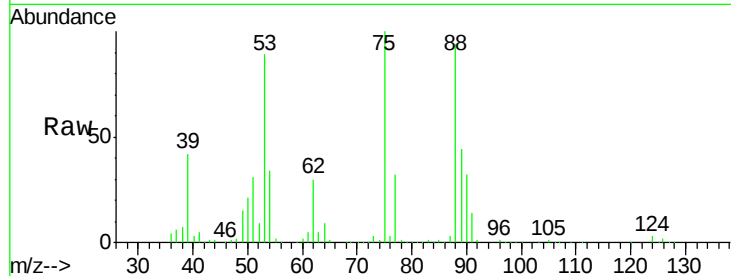
#81
trans-1,4-Dichloro-2-butene
Concen: 110.588 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.8	76.1	114.1
89	45.4	36.3	54.5

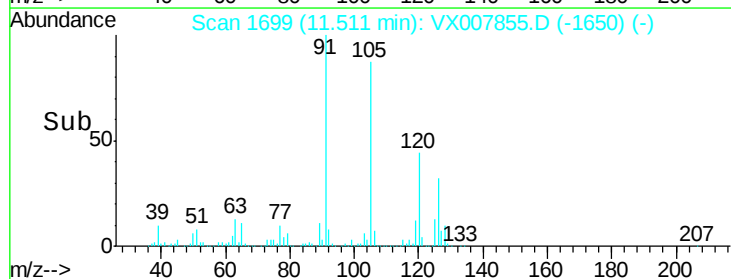
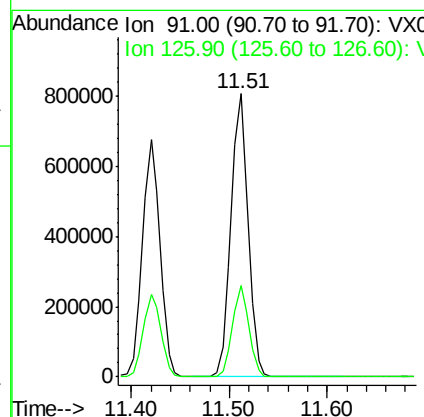
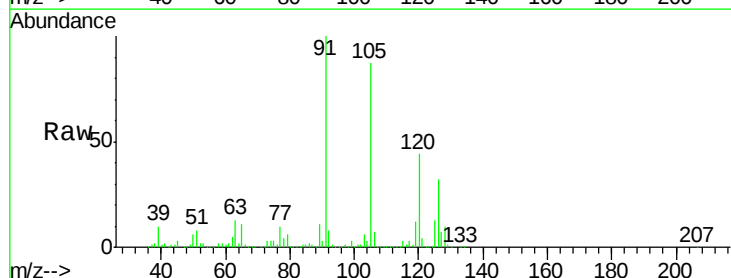
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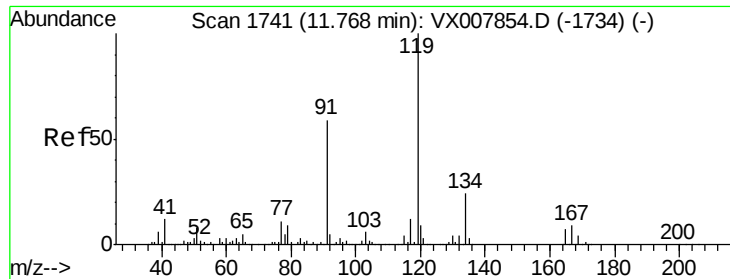
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3/7/2019 10:35:01 AM



#82
4-Chlorotoluene
Concen: 97.291 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.8





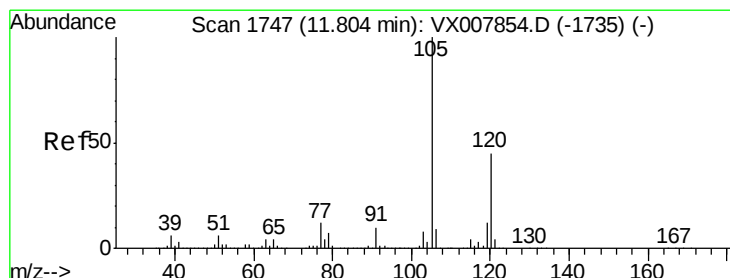
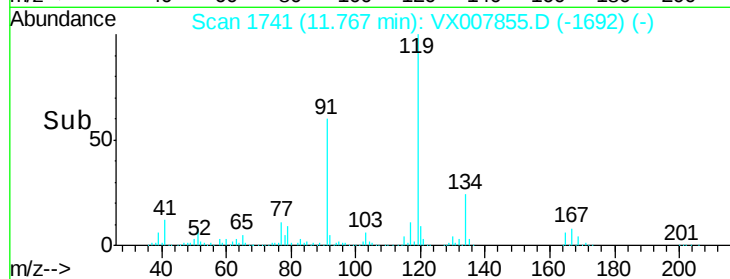
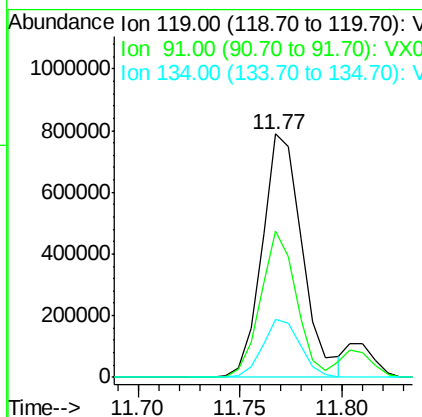
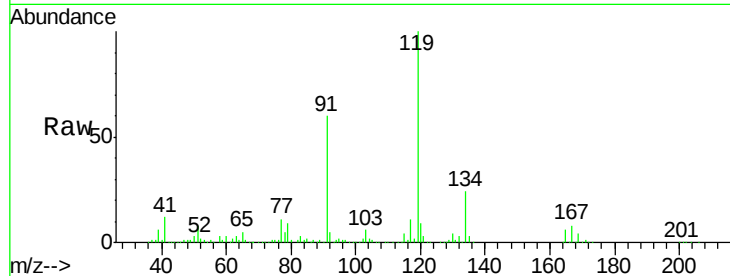
#83
tert-Butylbenzene
Concen: 99.926 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	53.4	27.1	81.3
134	22.5	11.4	34.1

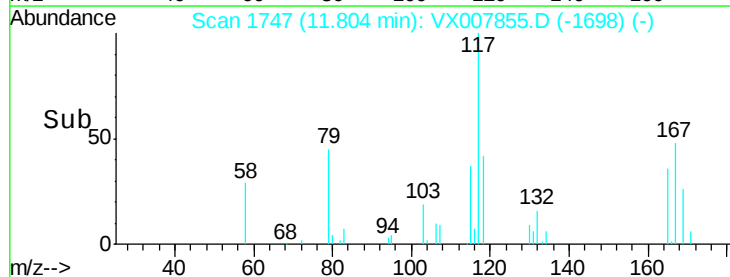
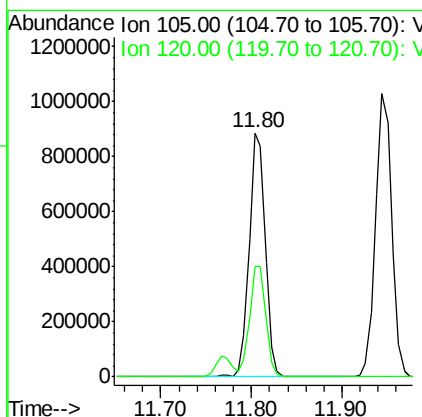
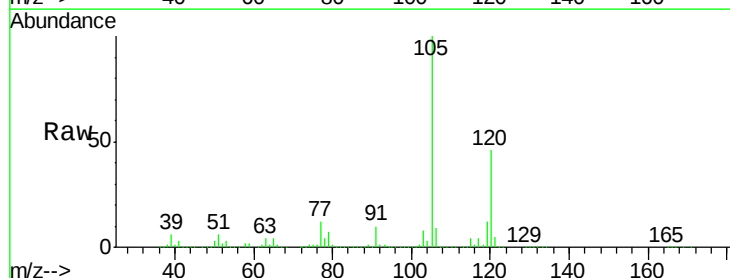
Manual Integrations
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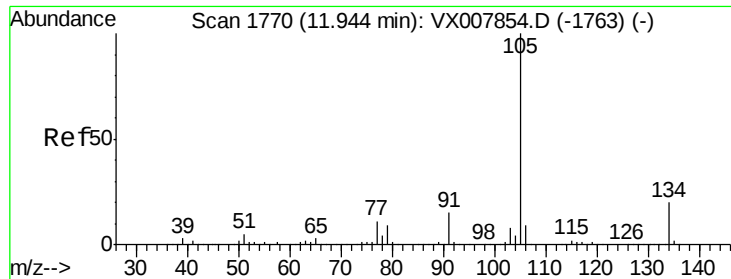
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 98.679 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.6	67.7





#85

sec-Butylbenzene

Concen: 99.931 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion:105 Resp: 1272900

Ion Ratio Lower Upper

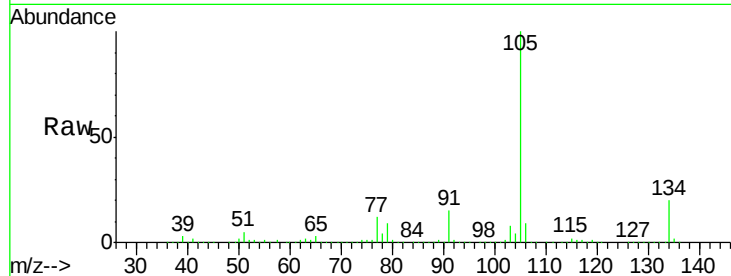
105 100

134 20.6 10.4 31.2

Manual Integrations
APPROVED

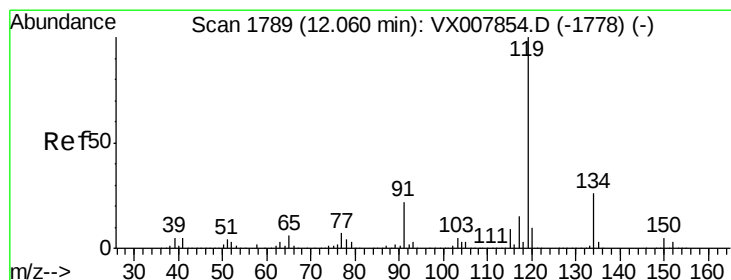
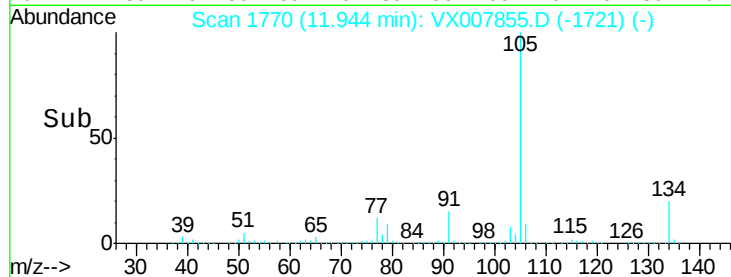
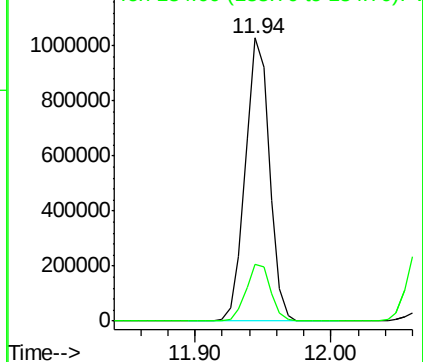
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 101.344 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

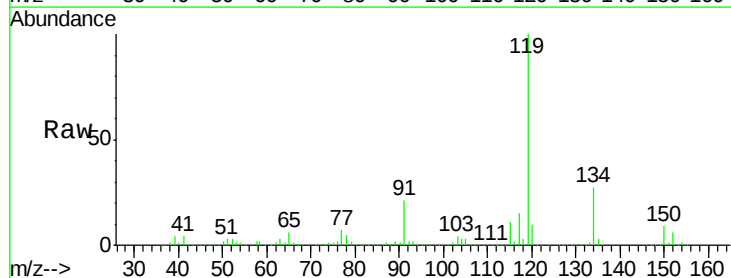
Tgt Ion:119 Resp: 1156086

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

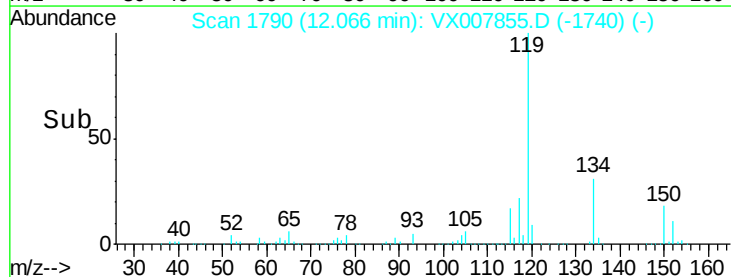
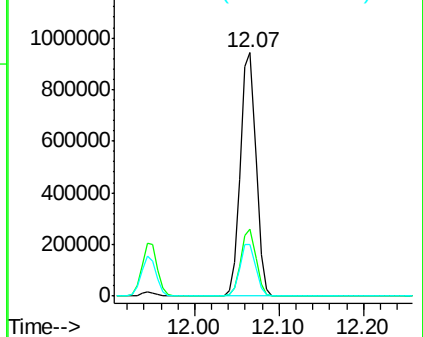
91 21.8 10.9 32.7

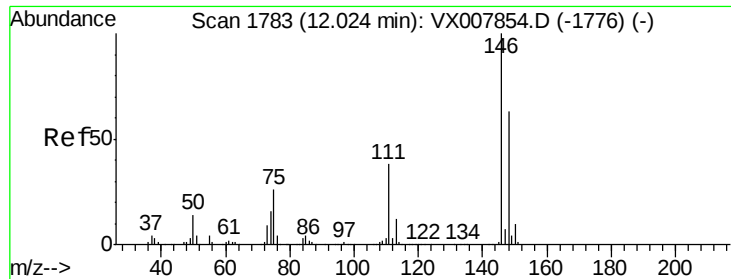


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 96.192 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Instrument :

MSVOA_X

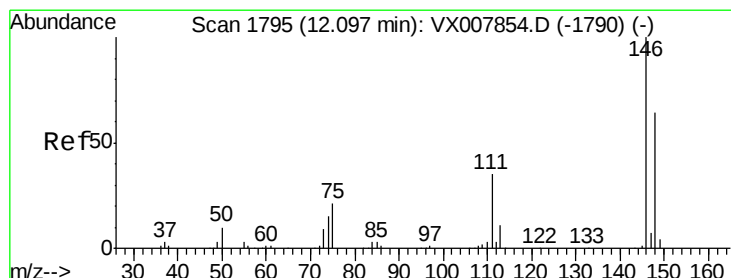
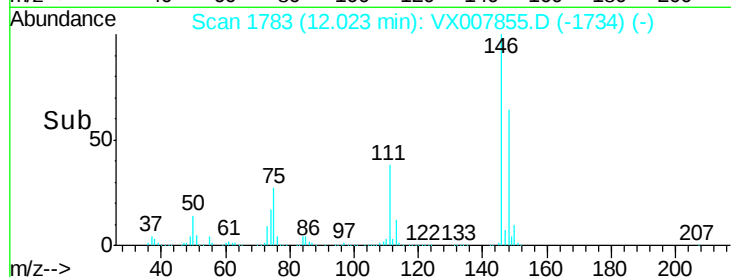
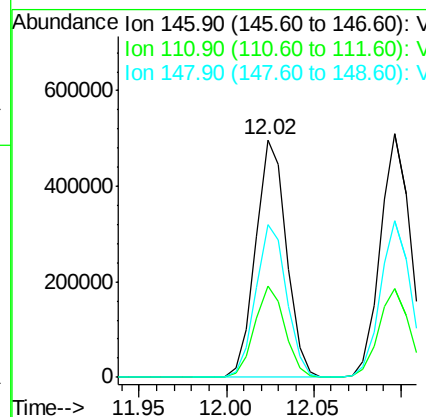
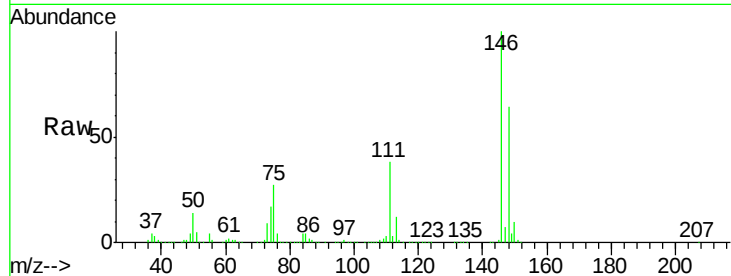
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	608646
Ion Ratio	Lower	Upper	
146	100		
111	37.9	18.9	56.7
148	64.2	31.7	95.1

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 93.872 ug/l

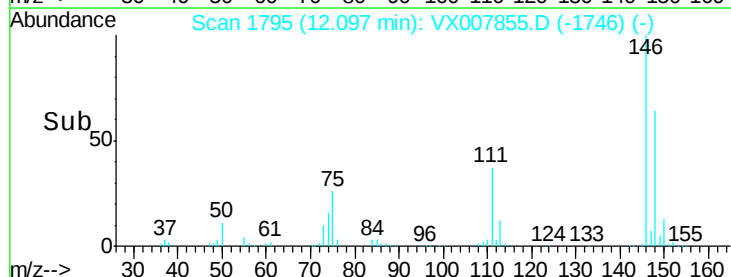
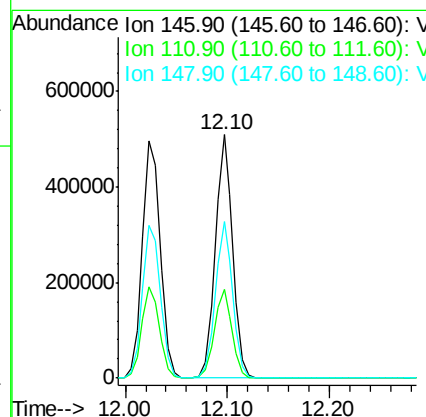
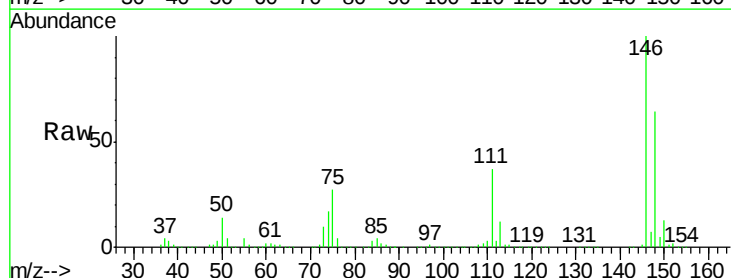
RT: 12.10 min Scan# 1795

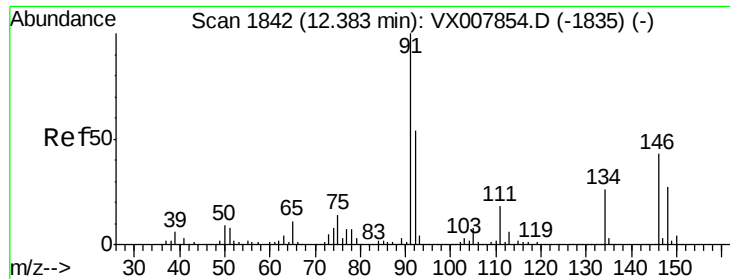
Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Tgt Ion:	146	Resp:	608756
Ion Ratio	Lower	Upper	
146	100		
111	36.9	18.4	55.0
148	64.4	32.2	96.6





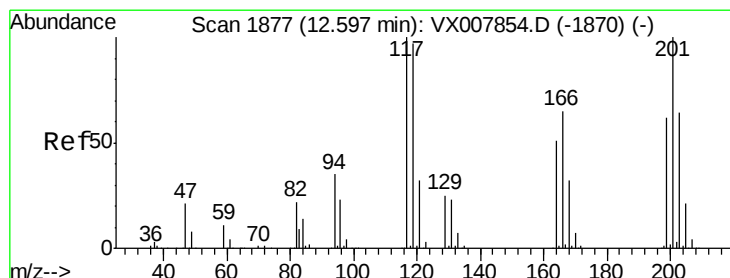
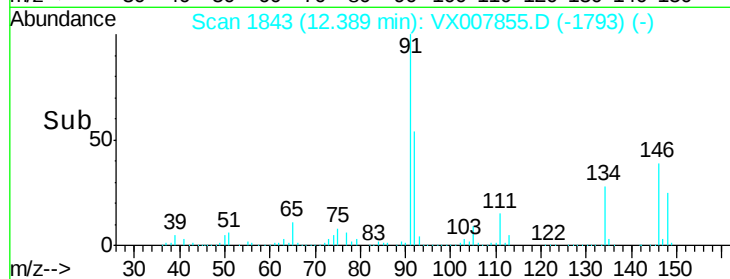
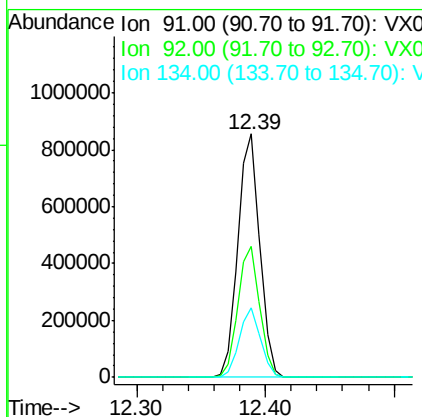
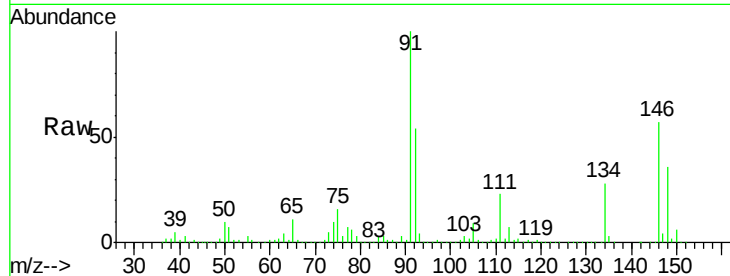
#89
n-Butylbenzene
Concen: 104.798 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 1012836
Ion Ratio Lower Upper
91 100
92 53.5 27.0 80.8
134 27.6 13.7 41.0

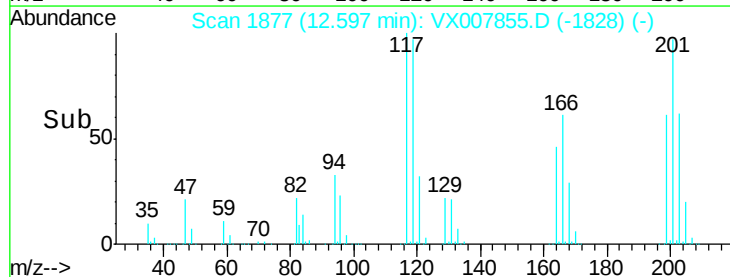
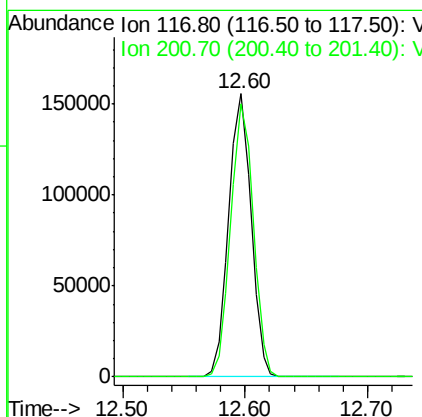
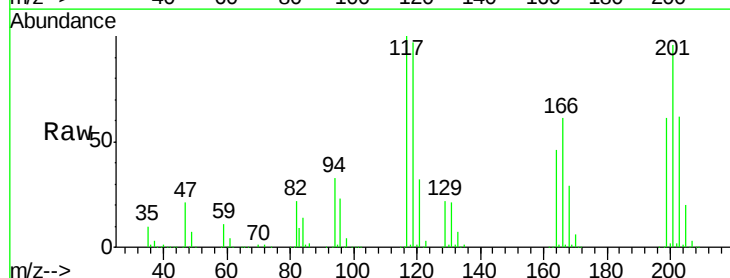
Manual Integrations
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#90
Hexachloroethane
Concen: 103.478 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Tgt Ion: 117 Resp: 197363
Ion Ratio Lower Upper
117 100
201 97.1 48.9 146.7





#91

1,2-Dichlorobenzene

Concen: 96.019 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Instrument :

MSVOA_X

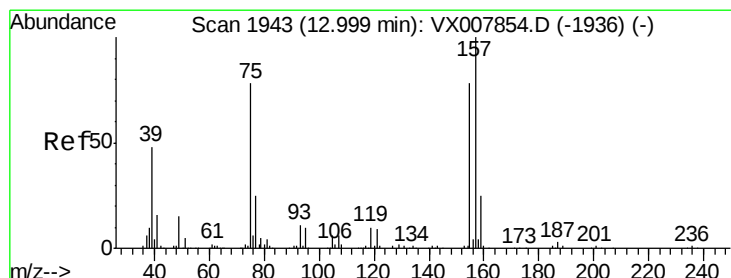
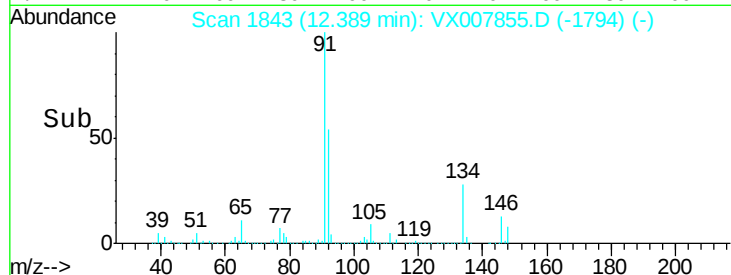
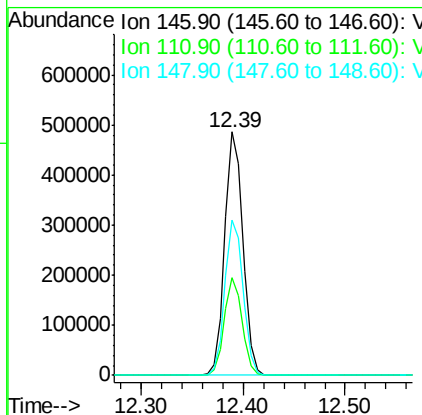
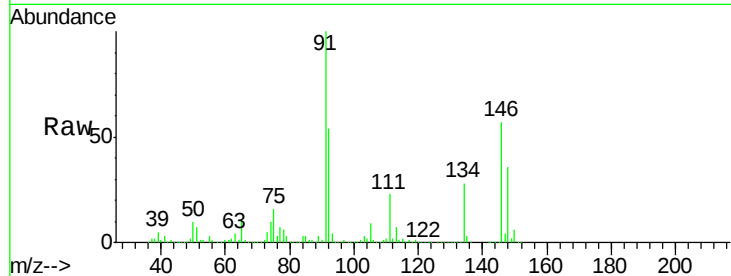
ClientSampleId :

VSTDICC100

Tot Ion:	146	Resp:	603560
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.6	58.8
148	64.0	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 101.363 ug/l

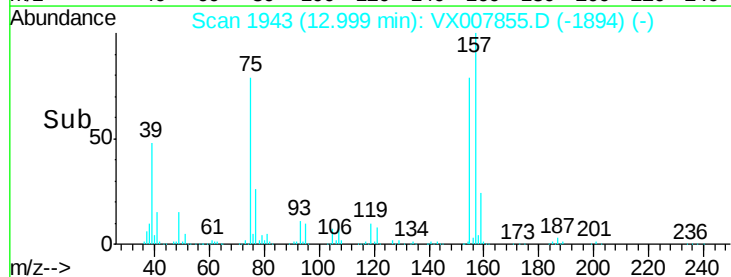
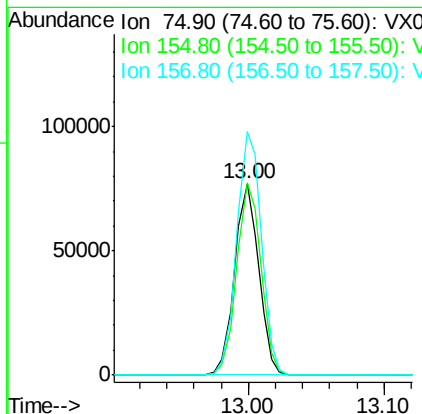
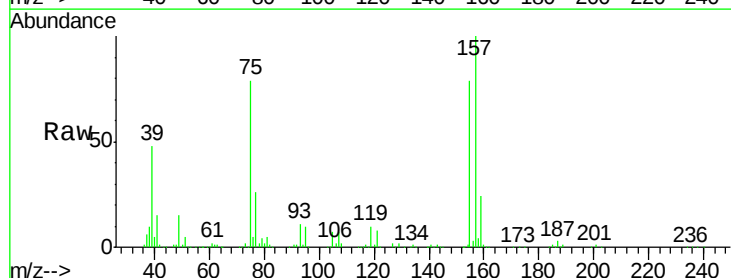
RT: 13.00 min Scan# 1943

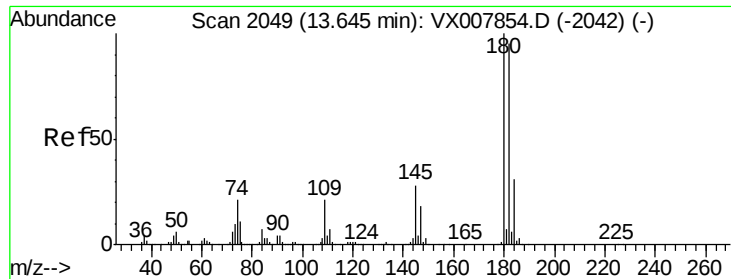
Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Tgt Ion:	75	Resp:	95324
Ion Ratio	Lower	Upper	
75	100		
155	100.8	49.7	149.1
157	130.2	63.8	191.4





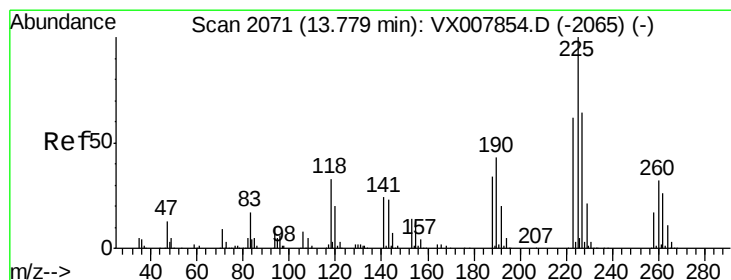
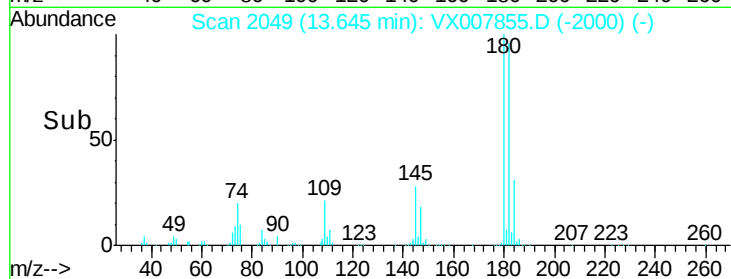
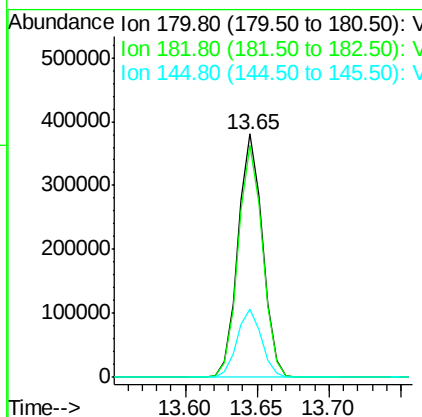
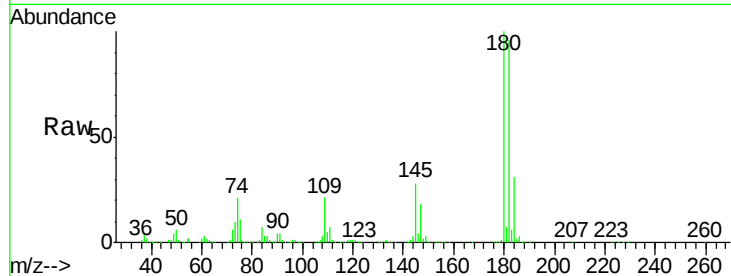
#93
1,2,4-Trichlorobenzene
Concen: 102.228 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	451414		
182	95.0	47.9	143.7	
145	28.0	14.1	42.4	

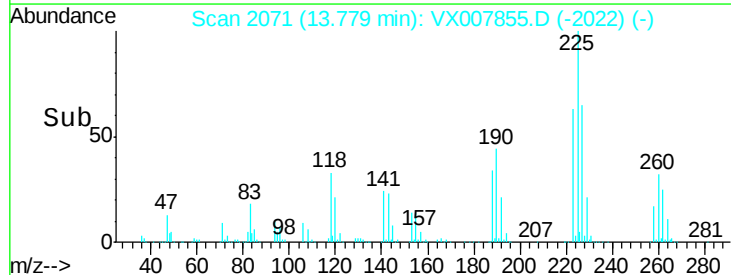
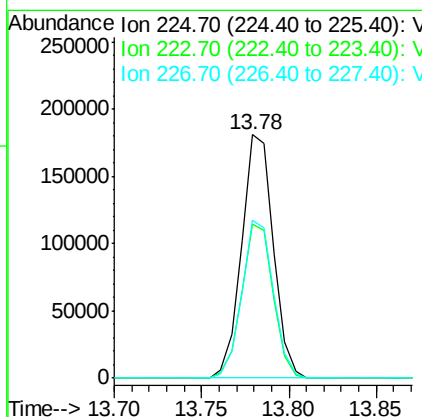
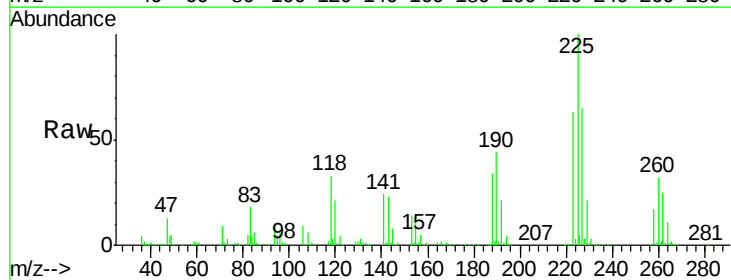
Manual Integrations
APPROVED

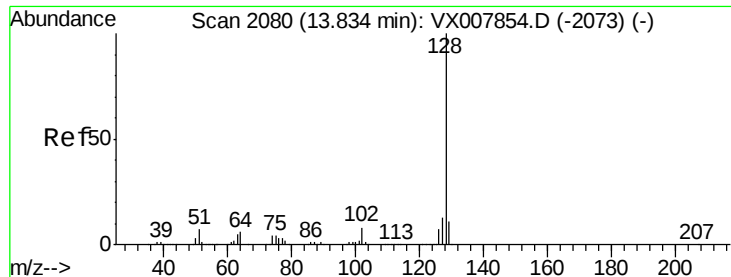
MMDadoda
3/7/2019 10:35:01 AM



#94
Hexachlorobutadiene
Concen: 98.556 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX007855.D
Acq: 06 Mar 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	227533		
223	63.0	31.1	93.2	
227	64.1	32.0	96.0	





#95

Naphthalene

Concen: 103.941 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Instrument :

MSVOA_X

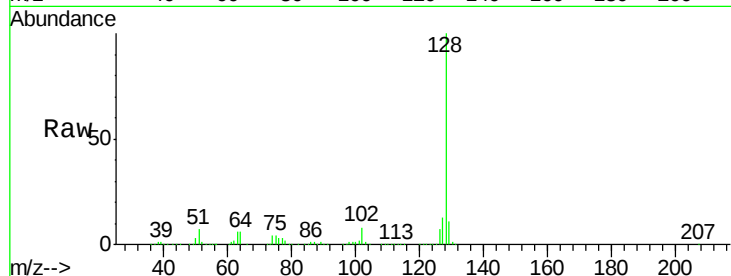
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:35:01 AM

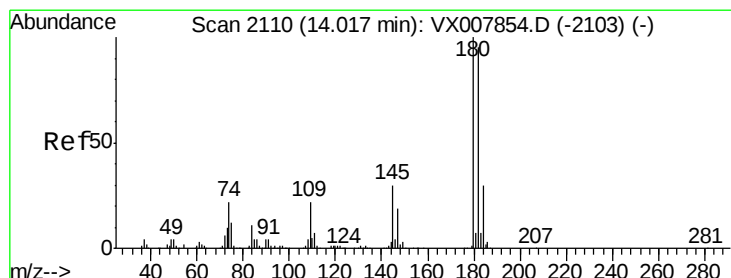
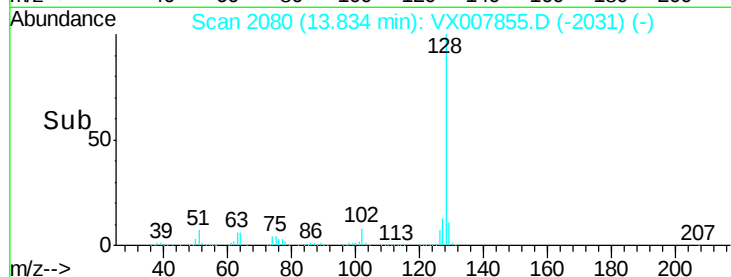
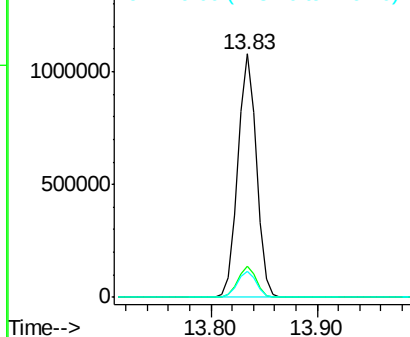


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 100.093 ug/l

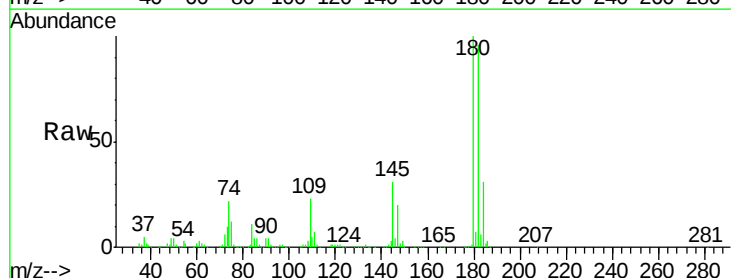
RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007855.D

Acq: 06 Mar 2019 11:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.5	142.5
145	30.0	14.8	44.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

