

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006608.D
 Acq On : 18 Dec 2018 19:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 11:22:41 AM

Quant Time: Dec 19 06:35:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:23:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	614021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	963211	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	892017	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	463694	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	324768	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
35) Dibromofluoromethane	5.50	113	291031	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
50) Toluene-d8	8.71	98	1106598	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
62) 4-Bromofluorobenzene	11.14	95	419103	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	268604	47.818	ug/l	100
3) Chloromethane	1.33	50	288617	47.692	ug/l	98
4) Vinyl Chloride	1.41	62	311414	49.271	ug/l	99
5) Bromomethane	1.64	94	301447	51.152	ug/l	98
6) Chloroethane	1.72	64	197771	45.191	ug/l	100
7) Trichlorofluoromethane	1.93	101	484750	49.193	ug/l	98
8) Diethyl Ether	2.19	74	184721	47.196	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	287193	49.637	ug/l	99
10) Methyl Iodide	2.51	142	445865	53.834	ug/l	99
11) Tert butyl alcohol	3.07	59	377808	255.815	ug/l	100
12) 1,1-Dichloroethene	2.37	96	264810	48.269	ug/l	97
13) Acrolein	2.30	56	225201	226.034	ug/l	97
14) Allyl chloride	2.73	41	460748	49.895	ug/l	99
15) Acrylonitrile	3.15	53	837059	255.268	ug/l	99
16) Acetone	2.45	43	712813	234.450	ug/l	96
17) Carbon Disulfide	2.57	76	666189	45.886	ug/l	99
18) Methyl Acetate	2.78	43	450379	50.377	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	916205	50.318	ug/l	99
20) Methylene Chloride	2.86	84	302800	48.163	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	285401	46.952	ug/l	94
22) Diisopropyl ether	3.87	45	846346	50.098	ug/l	99
23) Vinyl Acetate	3.82	43	3444314	249.252	ug/l	100
24) 1,1-Dichloroethane	3.70	63	482702	47.864	ug/l	98
25) 2-Butanone	4.70	43	1048421	245.151	ug/l	98
26) 2,2-Dichloropropane	4.59	77	355187	45.595	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	326067	48.619	ug/l	98
28) Bromochloromethane	5.02	49	228496	53.893	ug/l	98
29) Tetrahydrofuran	5.15	42	705487	250.463	ug/l	98
30) Chloroform	5.21	83	514740	49.289	ug/l	97
31) Cyclohexane	5.57	56	448044	48.903	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	445370	50.506	ug/l	99
36) 1,1-Dichloropropene	5.80	75	383395	48.059	ug/l	99
37) Ethyl Acetate	4.85	43	396016	47.694	ug/l	99
38) Carbon Tetrachloride	5.79	117	373715	48.203	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	500430	47.648	ug/l	97
40) Benzene	6.14	78	1164599	48.026	ug/l	99
41) Methacrylonitrile	5.06	41	222302	47.643	ug/l	99
42) 1,2-Dichloroethane	6.20	62	388787	47.051	ug/l	99
43) Isopropyl Acetate	6.46	43	639452	50.615	ug/l	100
44) Trichloroethene	7.21	130	342499	46.665	ug/l	93
45) 1,2-Dichloropropane	7.52	63	284474	48.207	ug/l	97
46) Dibromomethane	7.66	93	208225	47.972	ug/l	94
47) Bromodichloromethane	7.90	83	355979	49.399	ug/l	99
48) Methyl methacrylate	7.77	41	327545	50.983	ug/l	98
49) 1,4-Dioxane	7.75	88	172669	1027.750	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2076727	258.348	ug/l	99
52) Toluene	8.79	92	771101	49.221	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	391063	50.599	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	439398	51.814	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	317020	49.439	ug/l	99
56) Ethyl methacrylate	9.18	69	468313	51.673	ug/l	98
57) 1,3-Dichloropropane	9.37	76	499290	48.396	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	1198280	248.727	ug/l	100
59) 2-Hexanone	9.49	43	1563385	254.193	ug/l	98
60) Dibromochloromethane	9.59	129	310682	46.495	ug/l	100
61) 1,2-Dibromoethane	9.67	107	342462	50.240	ug/l	100
64) Tetrachloroethene	9.34	164	331923	46.992	ug/l	99
65) Chlorobenzene	10.14	112	900450	47.715	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	301082	51.136	ug/l	99
67) Ethyl Benzene	10.25	91	1482465	48.074	ug/l	98
68) m/p-Xylenes	10.36	106	1185620	97.436	ug/l	100
69) o-Xylene	10.70	106	586801	48.835	ug/l	100
70) Styrene	10.71	104	958985	50.447	ug/l	99
71) Bromoform	10.86	173	226470	43.299	ug/l #	100
73) Isopropylbenzene	11.02	105	1551197	48.899	ug/l	100
74) N-amyl acetate	10.90	43	582012	51.257	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	470727	49.896	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	436514m	53.712	ug/l	
77) Bromobenzene	11.26	156	419507	48.915	ug/l	98
78) n-propylbenzene	11.36	91	1722370	49.306	ug/l	100
79) 2-Chlorotoluene	11.42	91	1031689	48.735	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1296542	49.622	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	121166	43.401	ug/l #	81
82) 4-Chlorotoluene	11.51	91	1179828	48.587	ug/l	100
83) tert-Butylbenzene	11.77	119	1309775	50.086	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	1331217	48.438	ug/l	99
85) sec-Butylbenzene	11.94	105	1581123	49.314	ug/l	100
86) p-Isopropyltoluene	12.06	119	1413152	50.141	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	749791	48.510	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	746805	47.076	ug/l	99
89) n-Butylbenzene	12.39	91	1211193	50.496	ug/l	99
90) Hexachloroethane	12.60	117	200448	45.744	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	739170	47.806	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	98807	50.616	ug/l	95

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VSTDCCC050EC

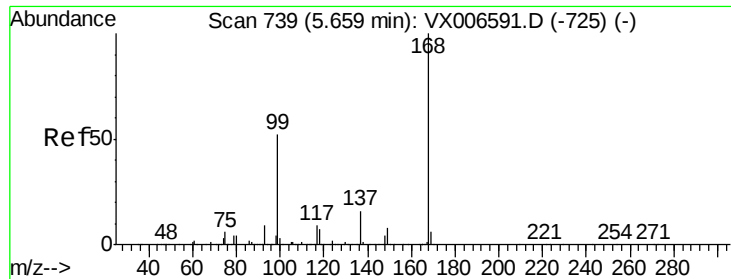
Manual Integrations
APPROVED

MMDadoda
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QLast Update : Tue Dec 18 13:23:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	515944	48.375	ug/l	98
94) Hexachlorobutadiene	13.79	225	233875	46.523	ug/l	99
95) Naphthalene	13.83	128	1660390	48.777	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	526281	47.791	ug/l	98

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



#1

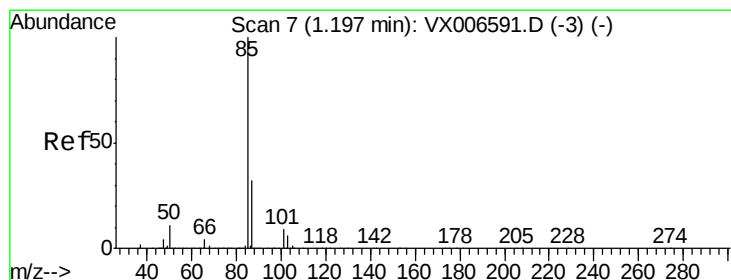
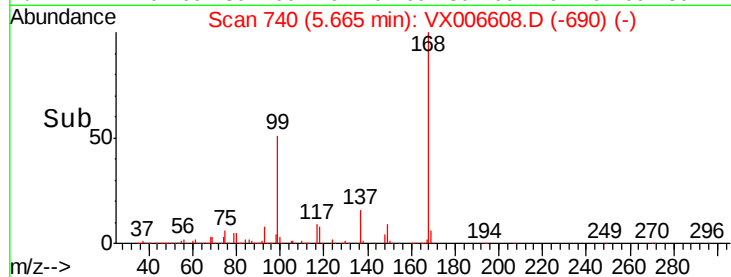
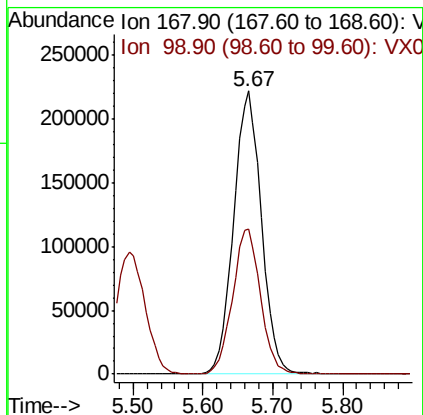
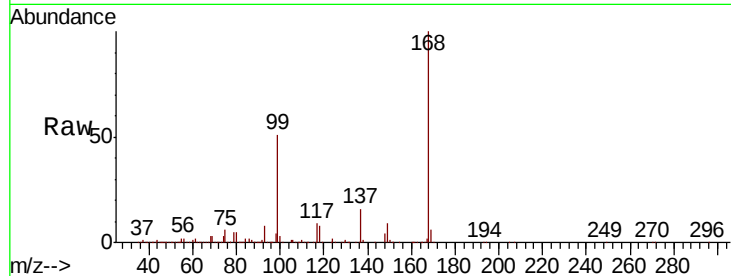
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.01 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	51.2	37.8	56.8

Manual Integrations
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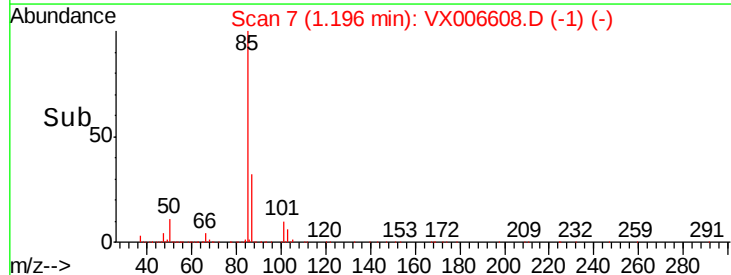
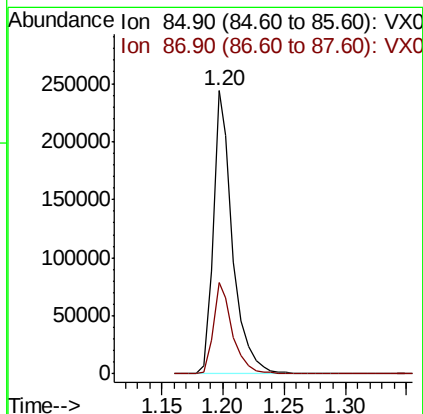
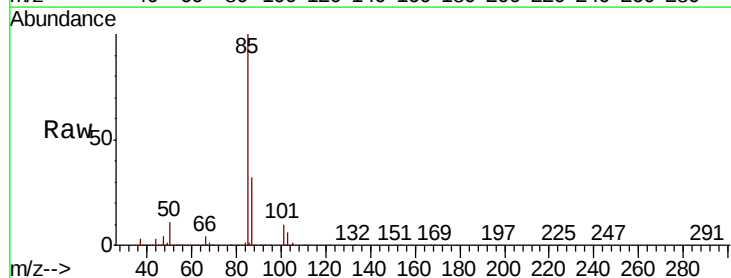
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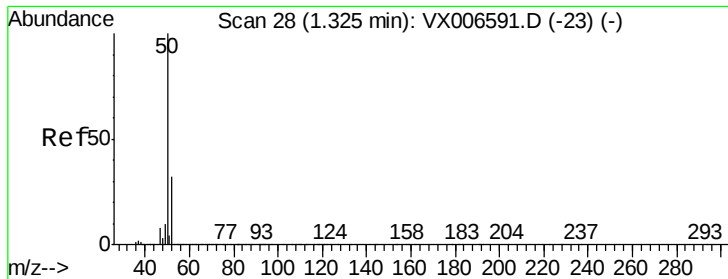


#2

Dichlorodifluoromethane
 Concen: 47.818 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. -0.00 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.1	48.2





#3

Chloromethane

Concen: 47.692 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 288617

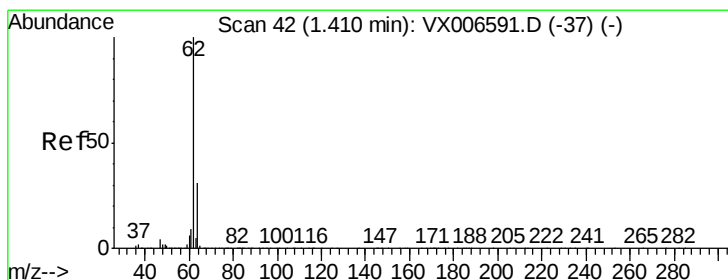
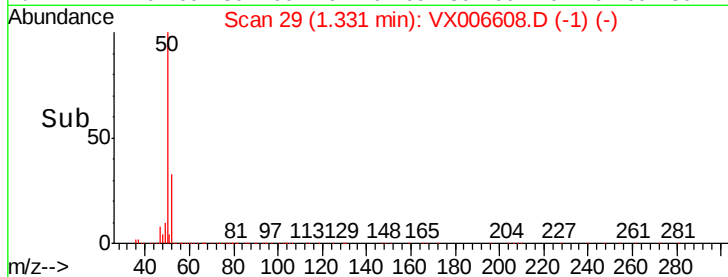
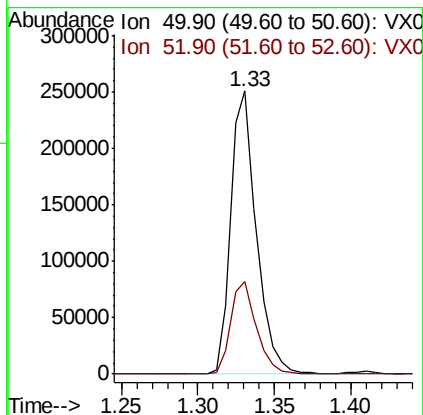
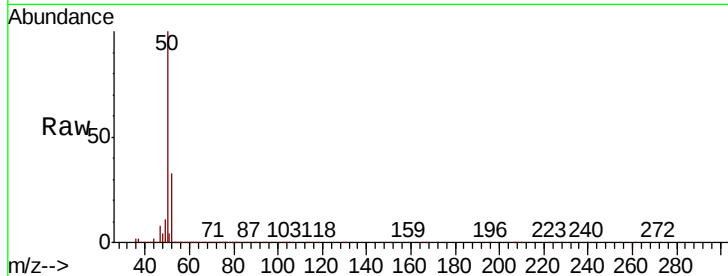
Ion Ratio Lower Upper

50 100

52 32.6 25.2 37.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 49.271 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006608.D

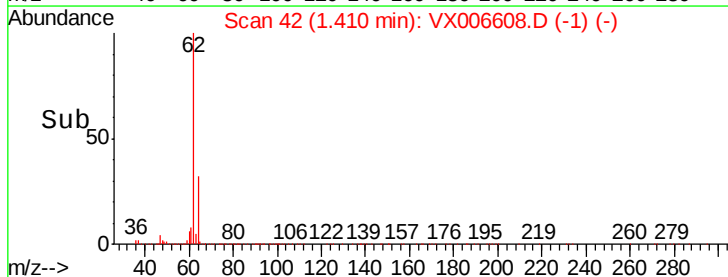
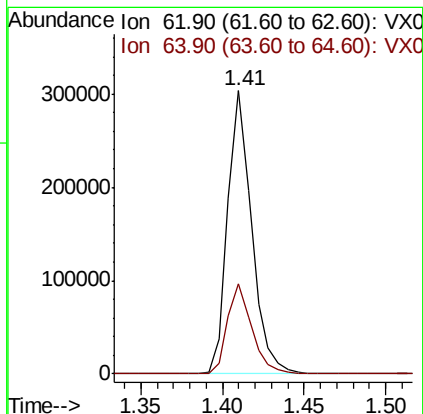
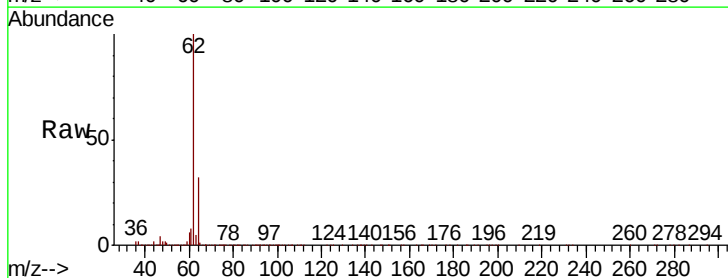
Acq: 18 Dec 2018 19:51

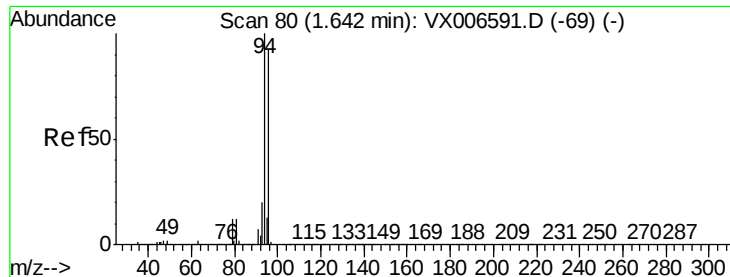
Tgt Ion: 62 Resp: 311414

Ion Ratio Lower Upper

62 100

64 31.8 24.9 37.3





#5

Bromomethane

Concen: 51.152 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 301447

Ion Ratio Lower Upper

94 100

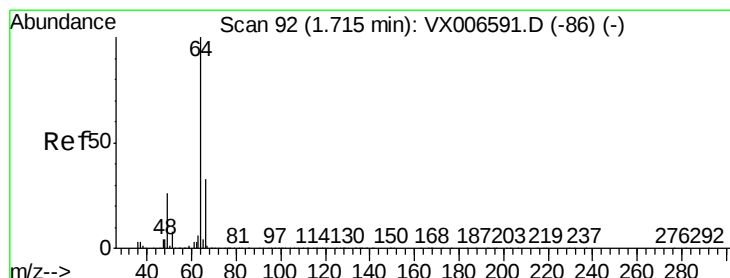
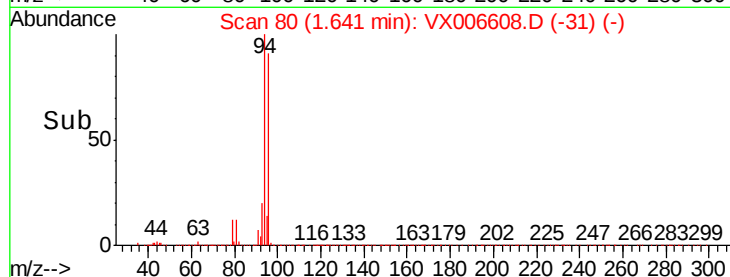
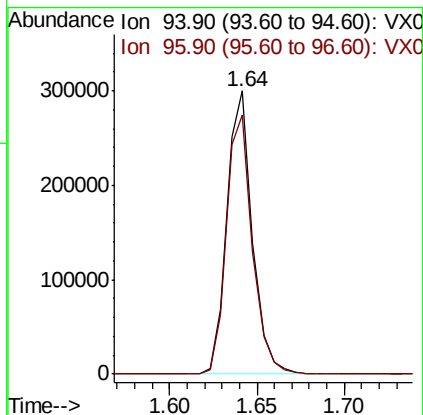
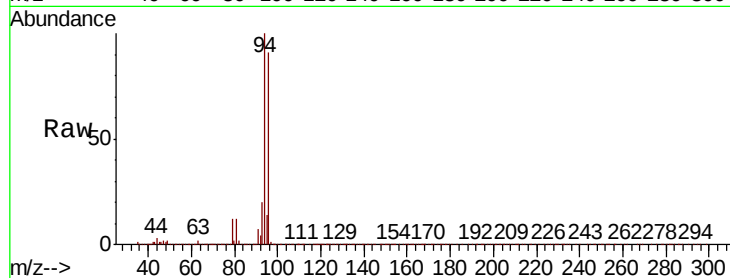
96 91.4 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 45.191 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006608.D

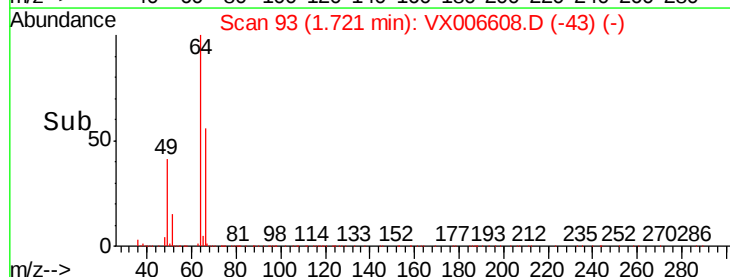
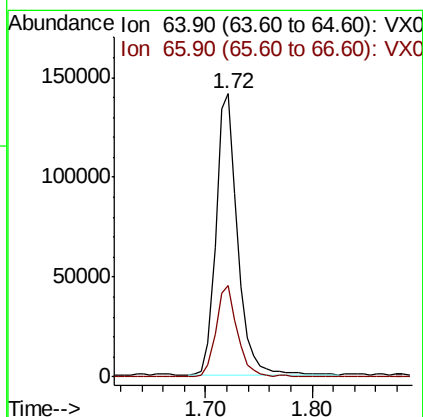
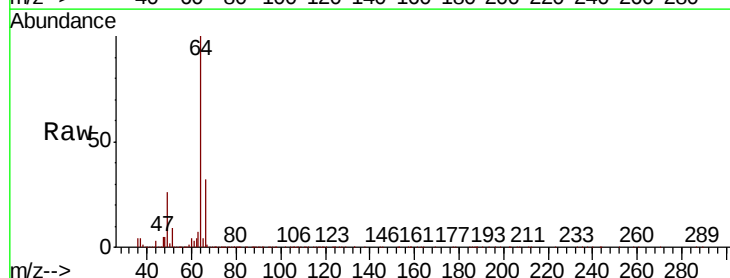
Acq: 18 Dec 2018 19:51

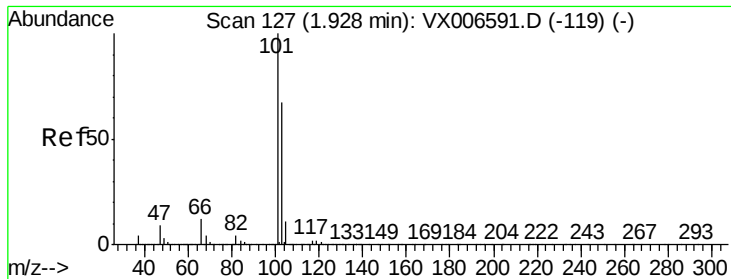
Tgt Ion: 64 Resp: 197771

Ion Ratio Lower Upper

64 100

66 32.3 25.9 38.9





#7

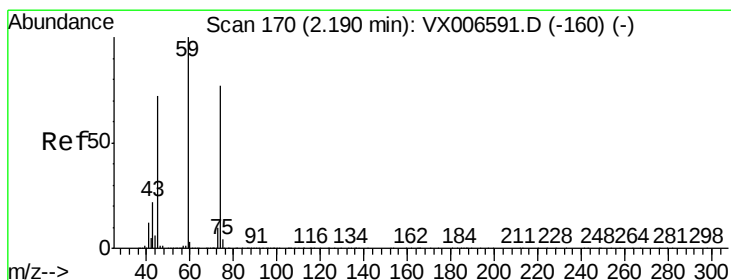
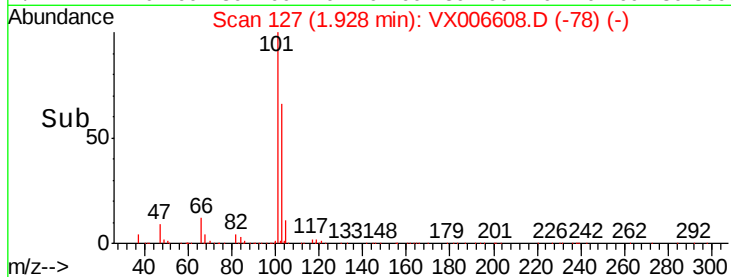
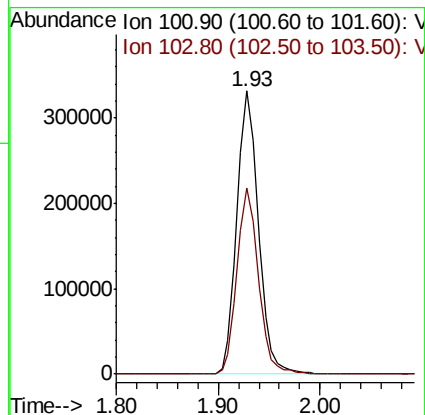
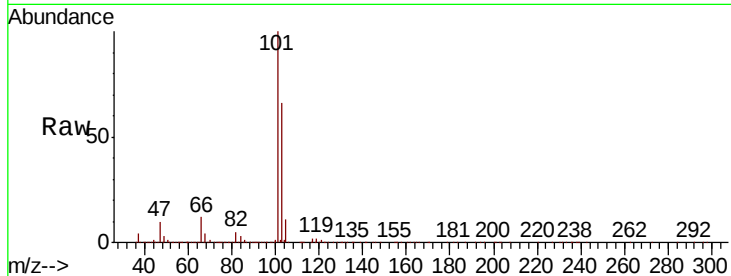
Trichlorofluoromethane
Concen: 49.193 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.0	76.4

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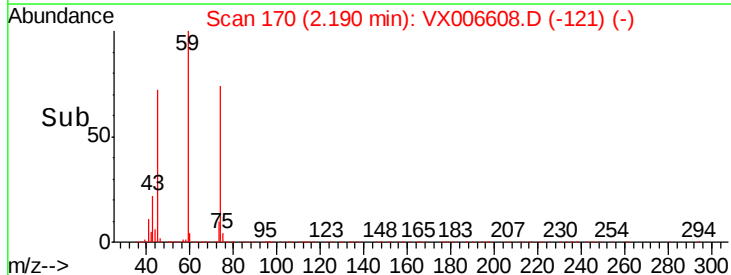
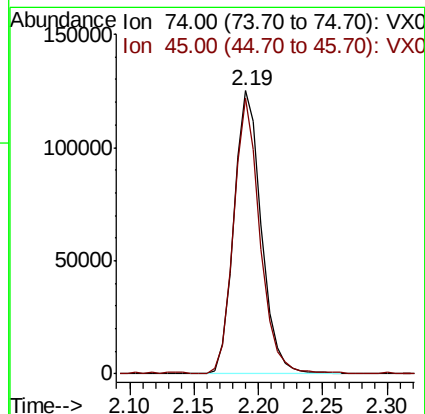
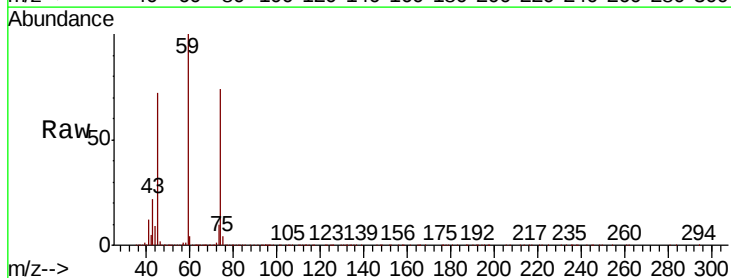
MMDadoda
12/19/2018 11:22:41 AM

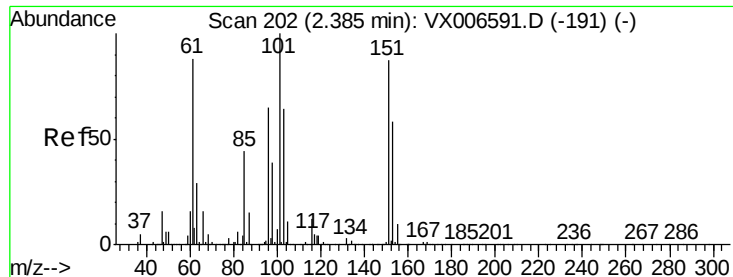


#8

Diethyl Ether
Concen: 47.196 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.6	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.637 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

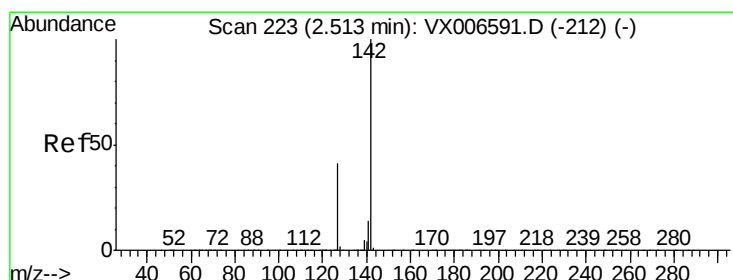
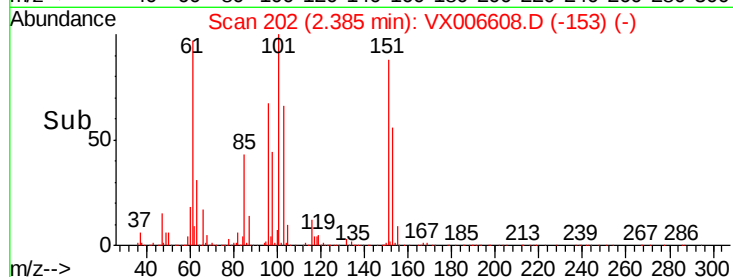
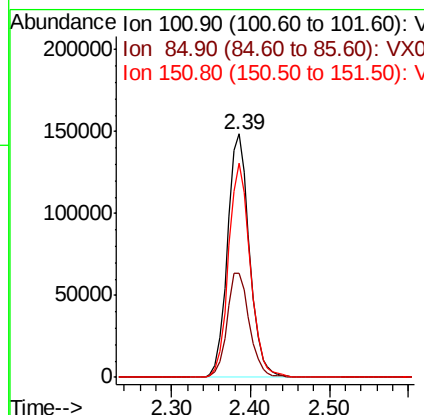
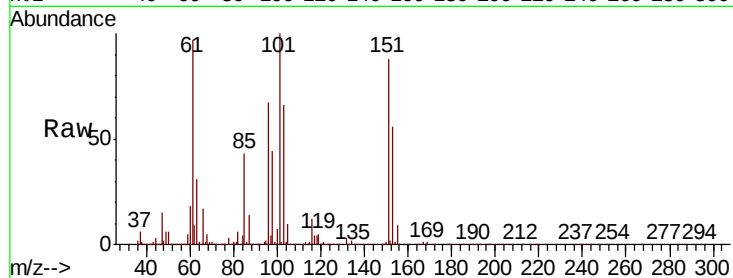
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	287193
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.5	53.3
151	86.8	68.6	103.0

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12/19/2018 11:22:41 AM



#10

Methyl Iodide

Concen: 53.834 ug/l

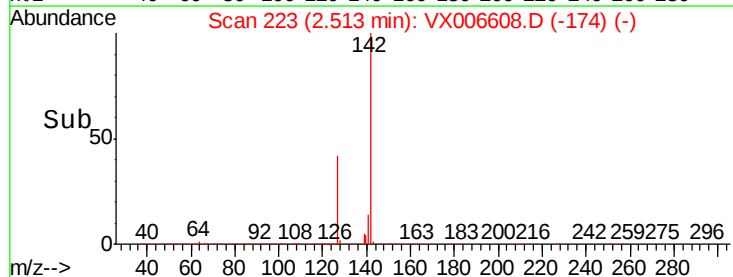
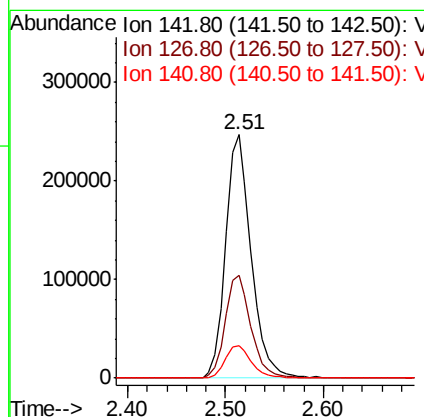
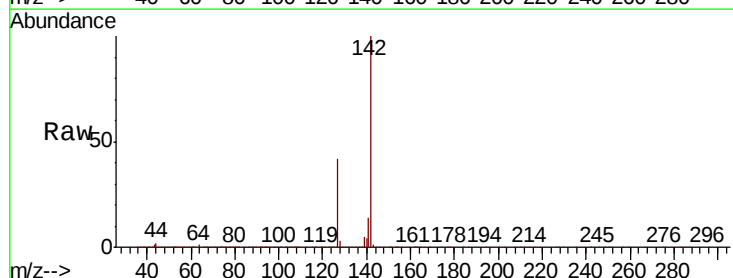
RT: 2.51 min Scan# 223

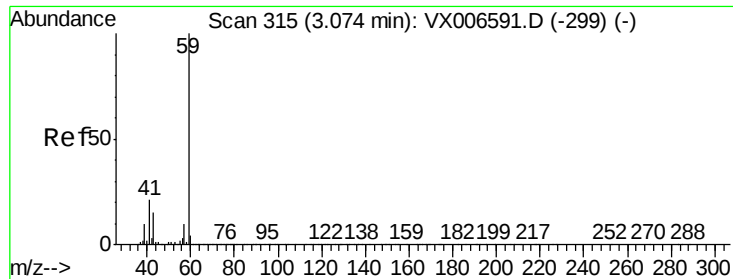
Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Tgt Ion:	142	Resp:	445865
Ion Ratio	Lower	Upper	
142	100		
127	42.6	34.8	52.2
141	13.8	11.4	17.2





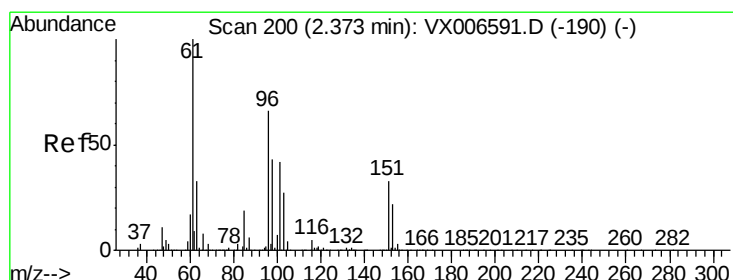
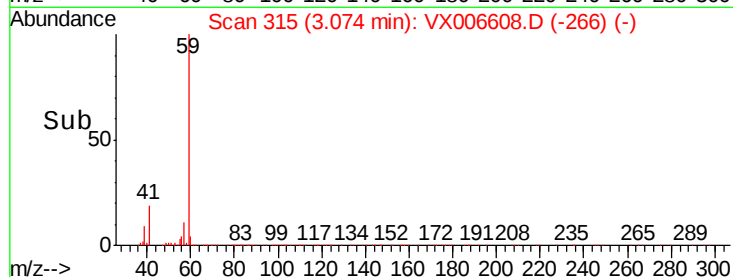
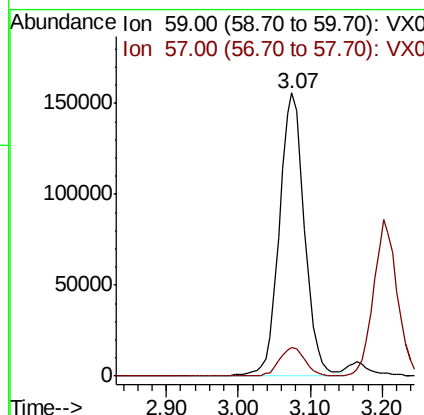
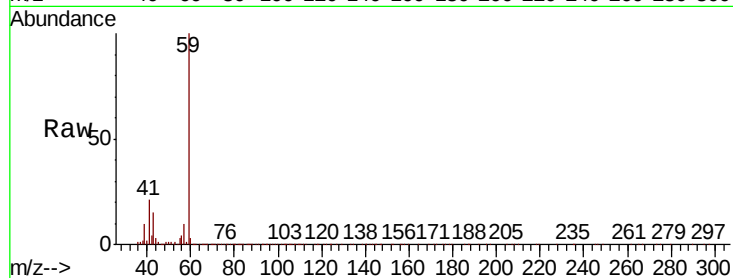
#11
Tert butyl alcohol
Concen: 255.815 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

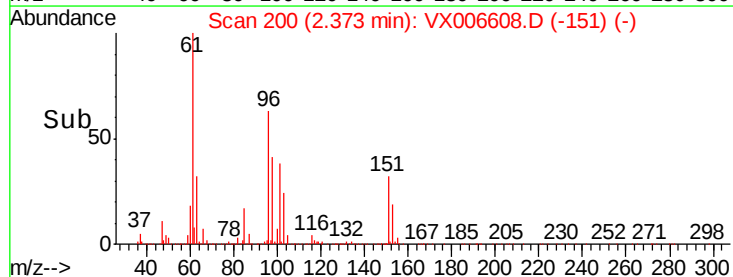
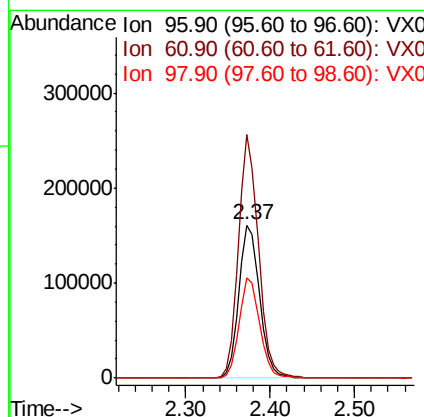
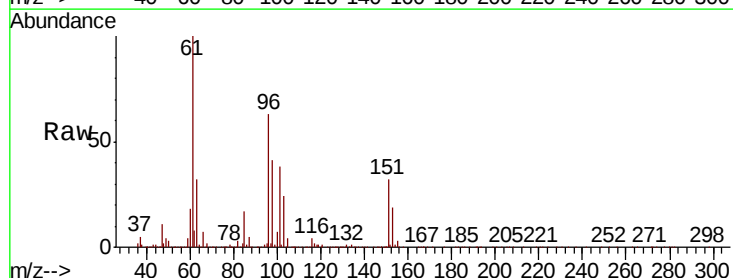
Manual Integrations
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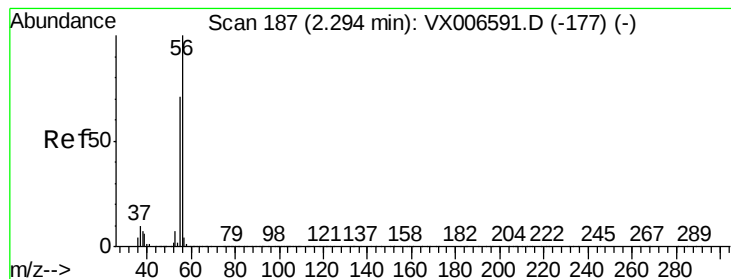
MMDadoda
12/19/2018 11:22:41 AM



#12
1,1-Dichloroethene
Concen: 48.269 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.3	131.7	197.5
98	65.8	51.8	77.6





#13

Acrolein

Concen: 226.034 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 225201

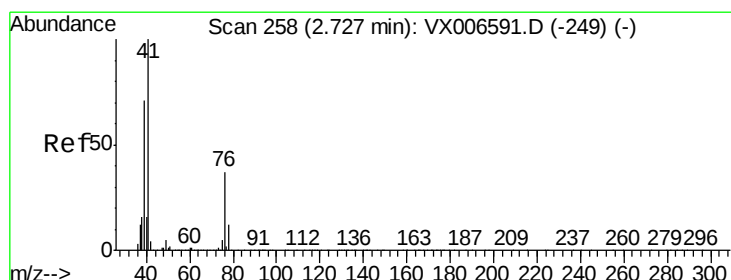
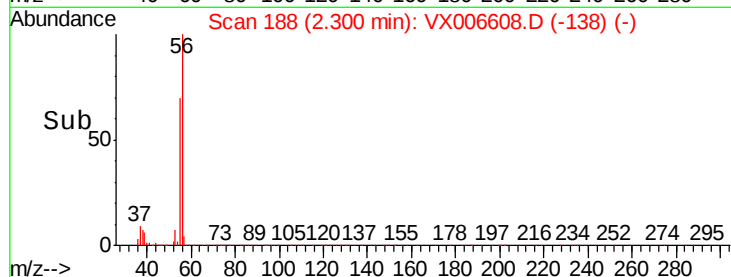
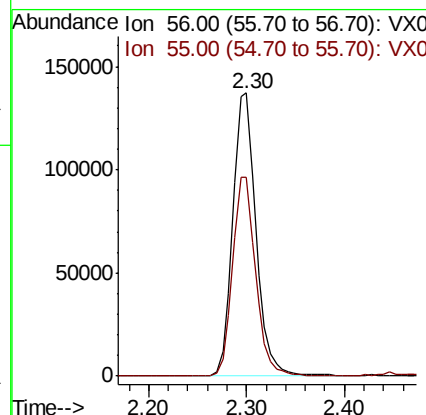
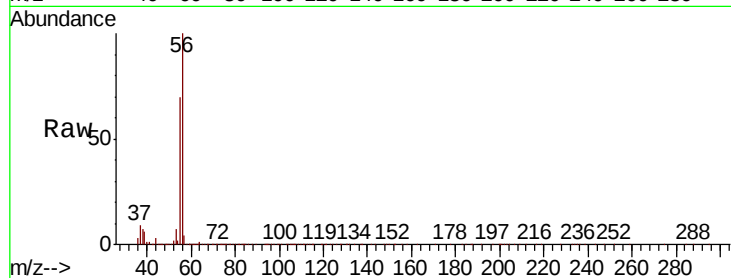
Ion Ratio Lower Upper

56 100

55 70.0 57.8 86.6

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#14

Allyl chloride

Concen: 49.895 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

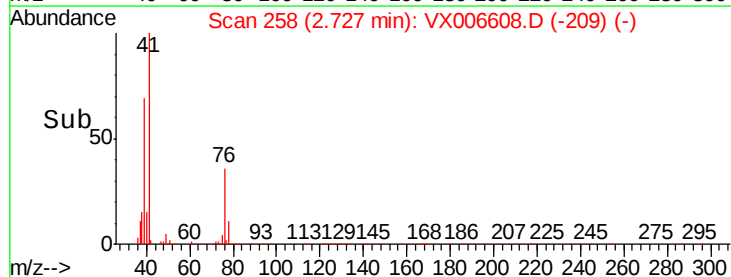
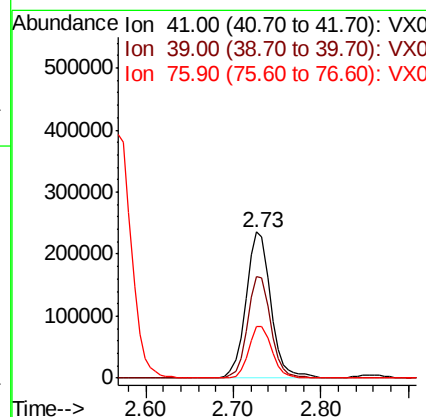
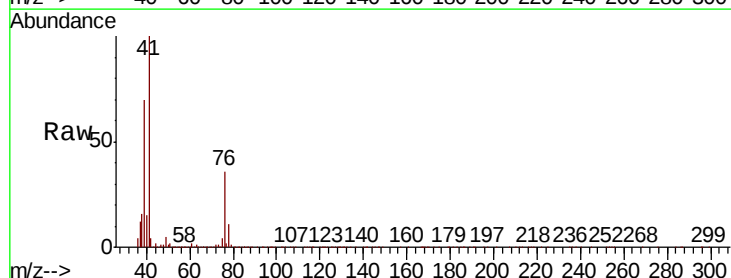
Tgt Ion: 41 Resp: 460748

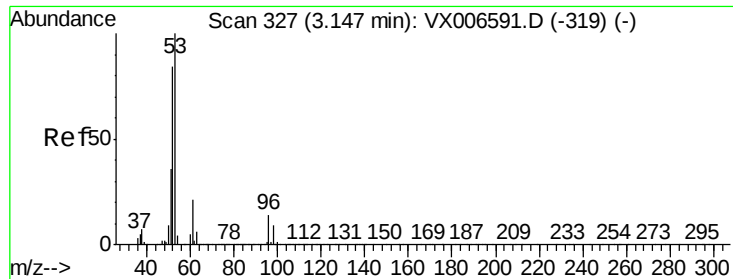
Ion Ratio Lower Upper

41 100

39 65.4 52.4 78.6

76 33.0 25.4 38.0





#15

Acrylonitrile

Concen: 255.268 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

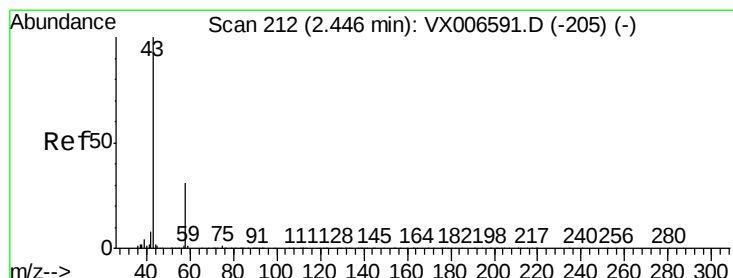
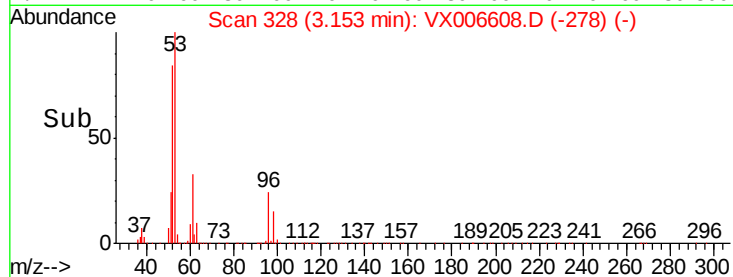
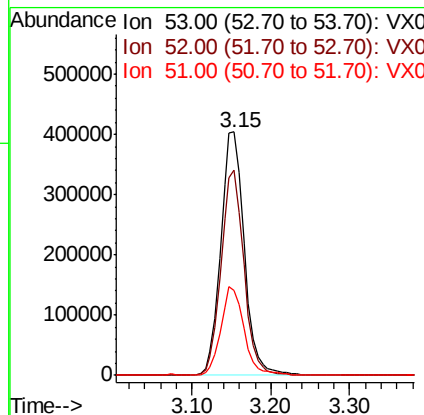
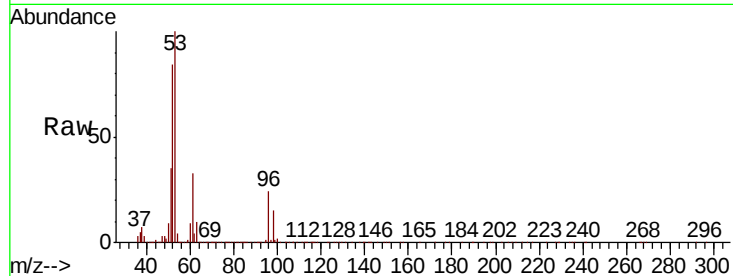
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	837059
Ion Ratio	Lower	Upper	
53	100		
52	81.7	66.2	99.4
51	35.9	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 234.450 ug/l

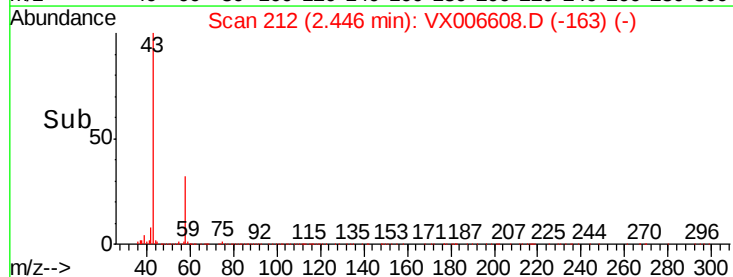
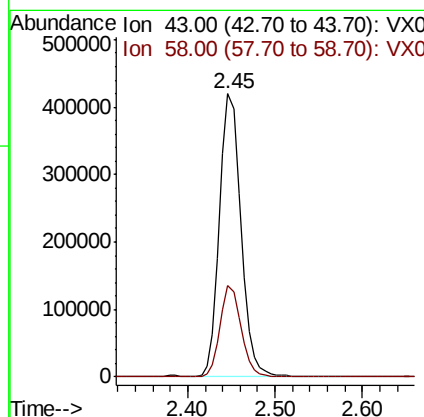
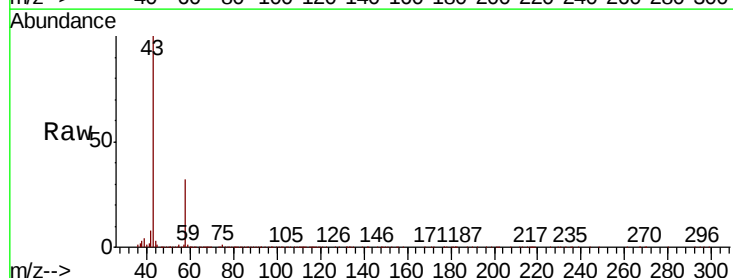
RT: 2.45 min Scan# 212

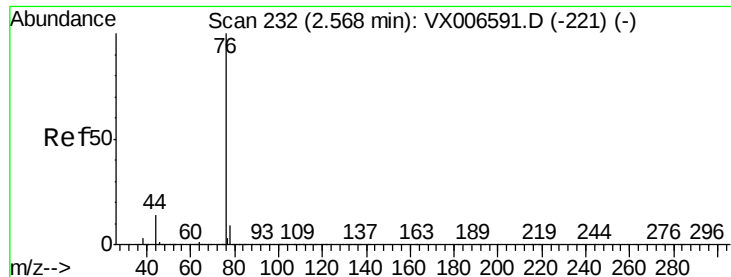
Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Tgt Ion:	43	Resp:	712813
Ion Ratio	Lower	Upper	
43	100		
58	32.2	24.0	36.0





#17

Carbon Disulfide

Concen: 45.886 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 666189

Ion Ratio Lower Upper

76 100

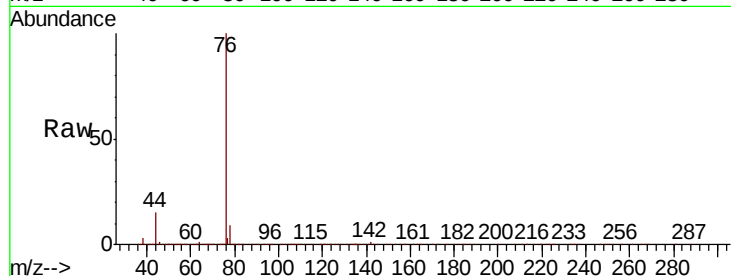
78 9.1 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

400000

300000

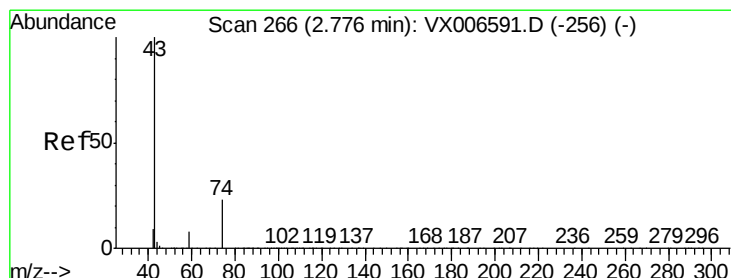
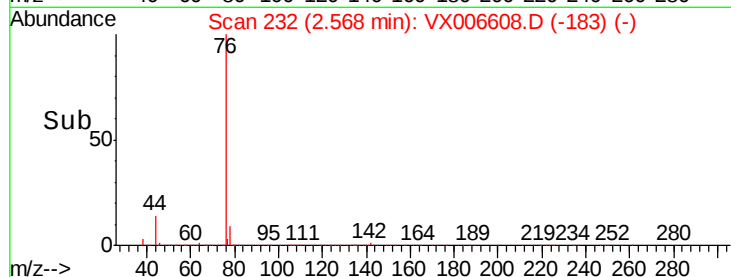
200000

100000

0

2.50 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 50.377 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX006608.D

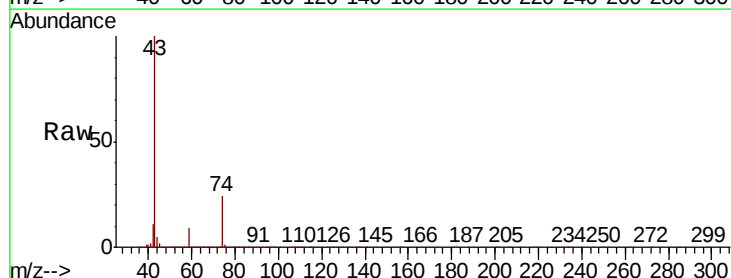
Acq: 18 Dec 2018 19:51

Tgt Ion: 43 Resp: 450379

Ion Ratio Lower Upper

43 100

74 24.5 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

250000

200000

150000

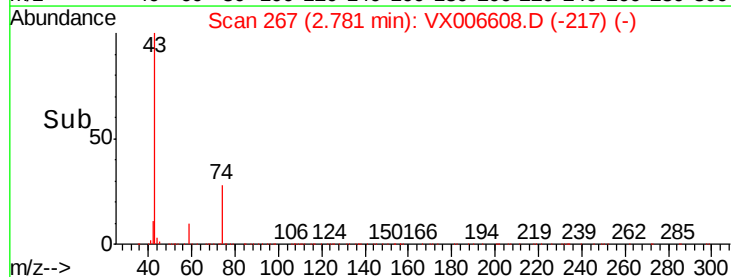
100000

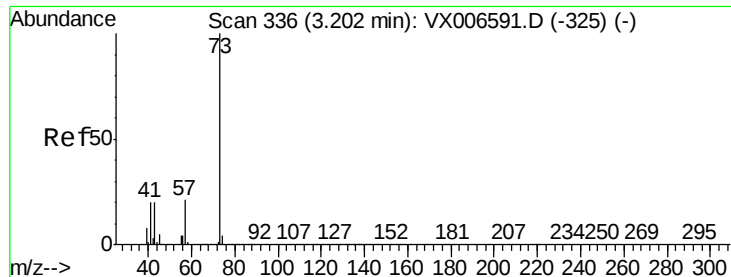
50000

0

2.70 2.75 2.80 2.85

Time-->





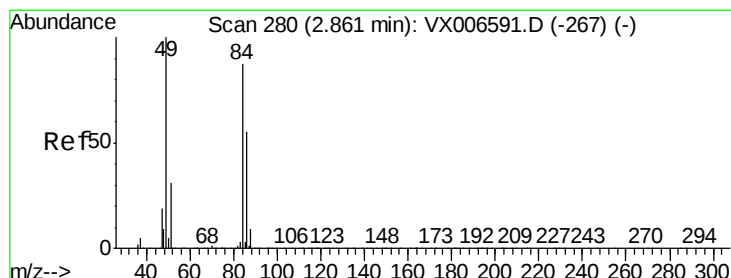
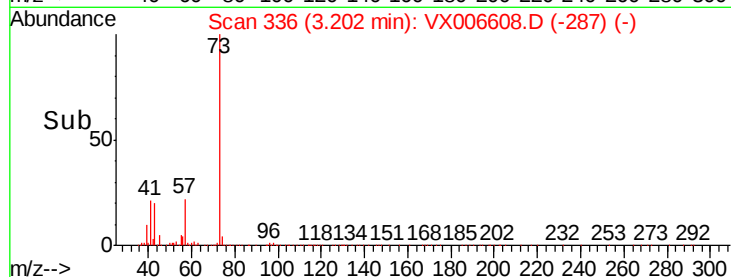
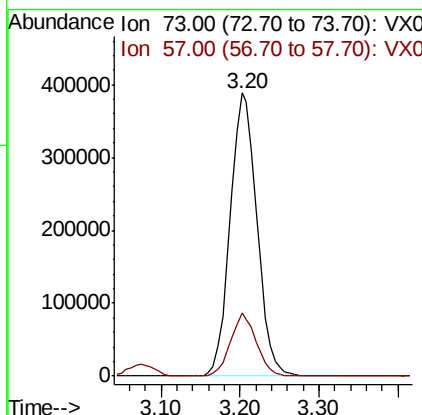
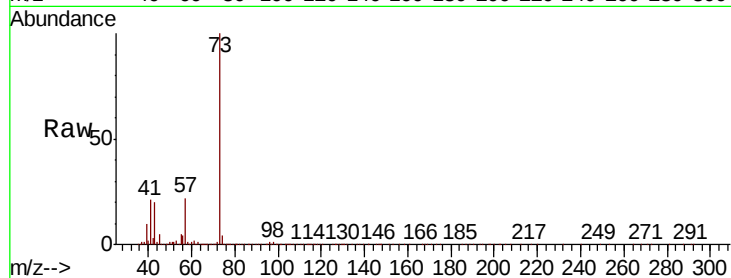
#19
Methyl tert-butyl Ether
Concen: 50.318 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
57	57	22.2	17.5	26.3

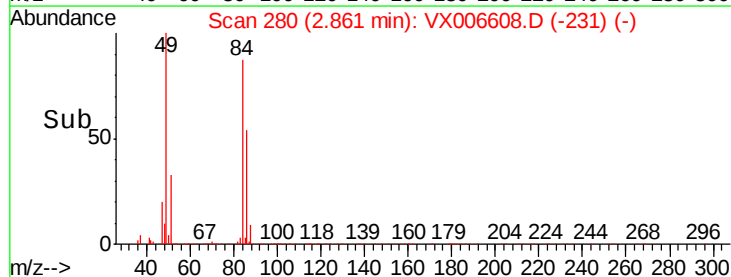
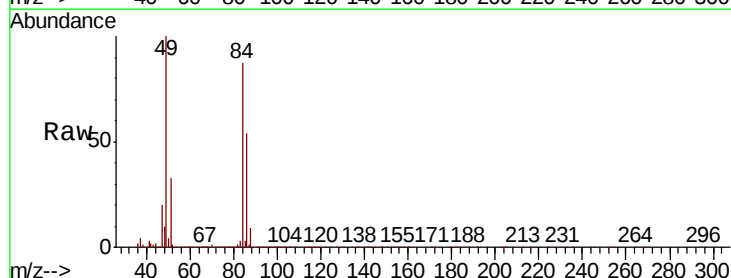
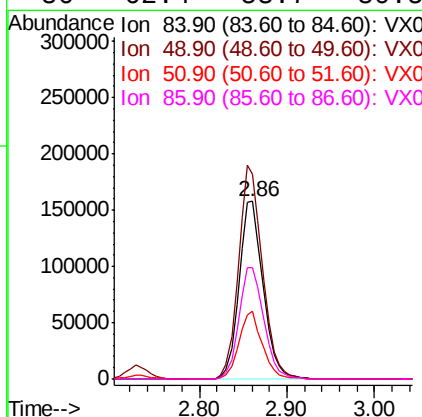
Manual Integrations
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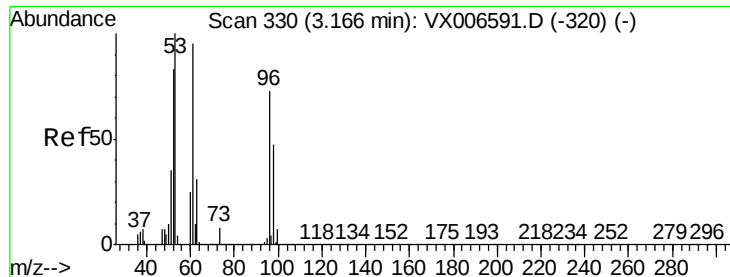
MMDadoda
12/19/2018 11:22:41 AM



#20
Methylene Chloride
Concen: 48.163 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Tgt Ion	Ion	Ratio	Lower	Upper
84	84	100		
49	49	115.3	102.2	153.4
51	51	38.0	31.1	46.7
86	86	62.4	53.7	80.5





#21

trans-1,2-Dichloroethene

Concen: 46.952 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

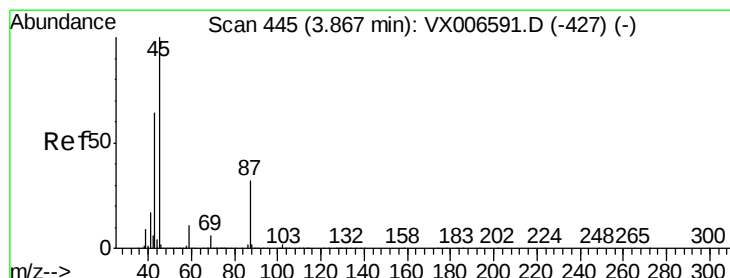
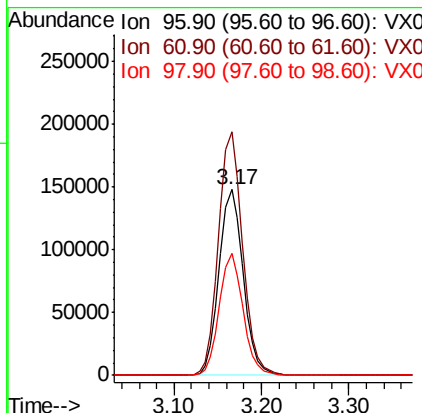
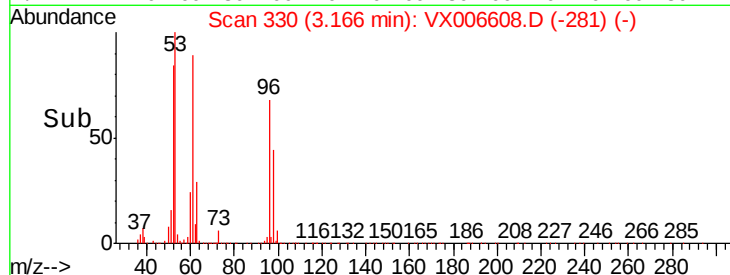
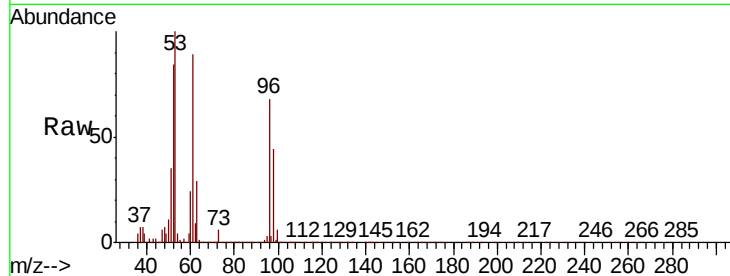
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	285401
Ion Ratio	Lower	Upper	
96	100		
61	131.0	113.3	169.9
98	65.6	53.2	79.8

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#22

Diisopropyl ether

Concen: 50.098 ug/l

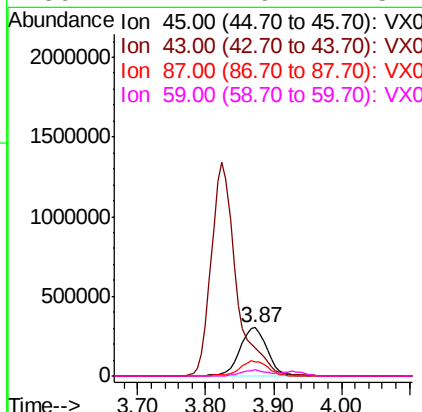
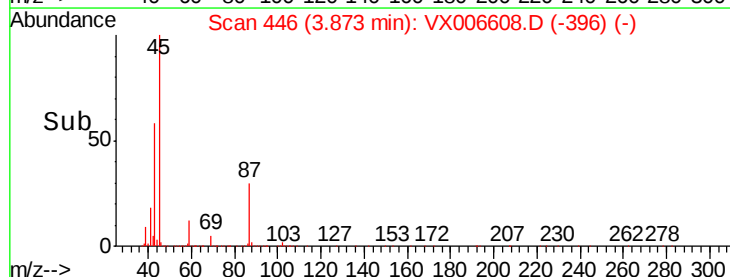
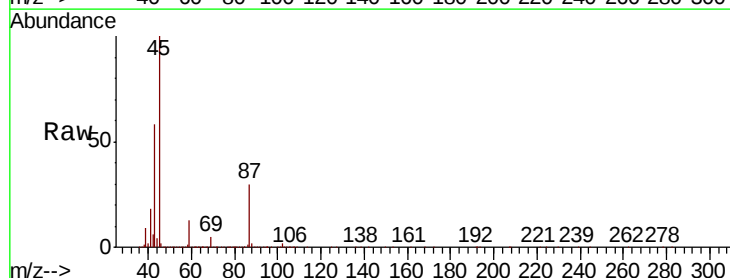
RT: 3.87 min Scan# 446

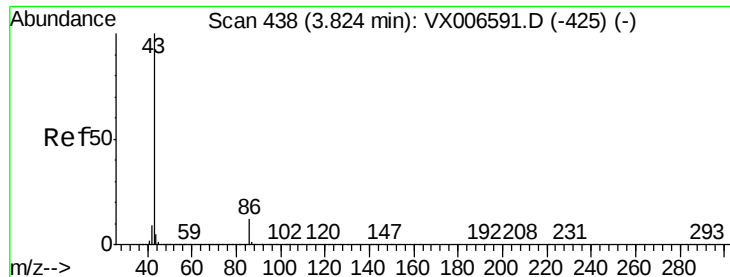
Delta R.T. 0.01 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Tgt Ion:	45	Resp:	846346
Ion Ratio	Lower	Upper	
45	100		
43	57.6	46.2	69.2
87	30.4	24.9	37.3
59	12.4	9.1	13.7





#23

Vinyl Acetate

Concen: 249.252 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3444314

Ion Ratio Lower Upper

43 100

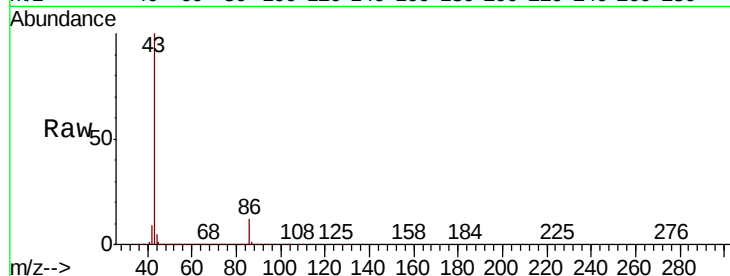
86 11.6 9.4 14.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

1500000

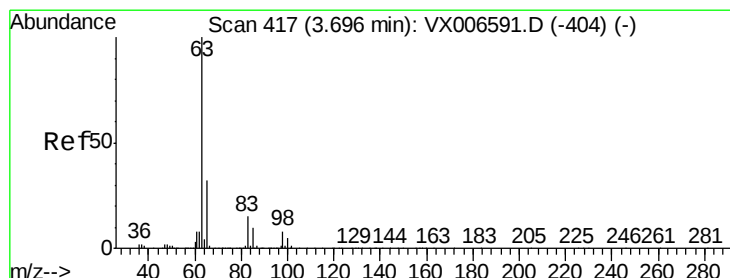
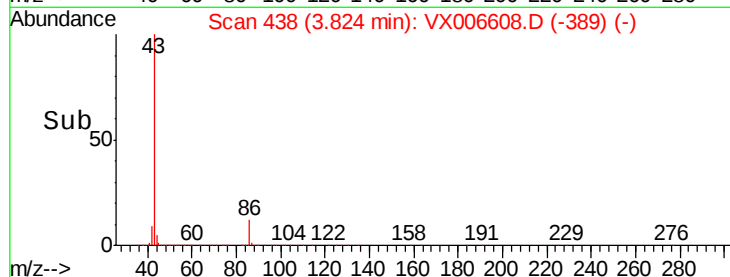
1000000

500000

0

3.70 3.80 3.90 4.00 4.10

Time-->



#24

1,1-Dichloroethane

Concen: 47.864 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

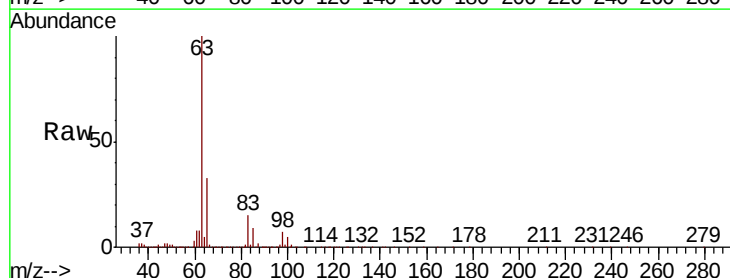
Tgt Ion: 63 Resp: 482702

Ion Ratio Lower Upper

63 100

98 6.9 3.8 11.4

100 4.6 2.5 7.4



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

250000

200000

150000

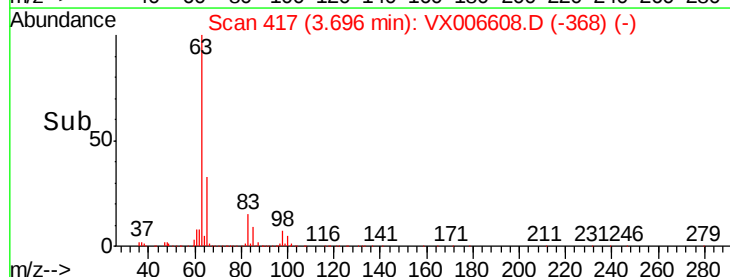
100000

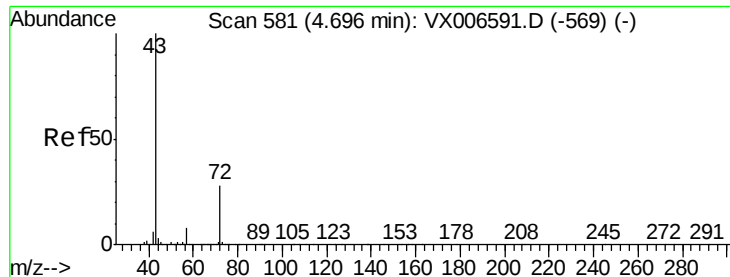
50000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 245.151 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1048421

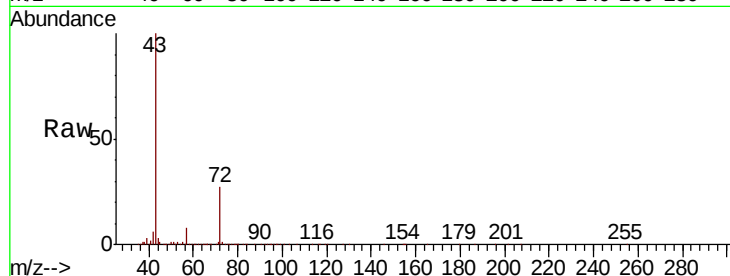
Ion Ratio Lower Upper

43 100

72 27.2 22.6 33.8

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

400000

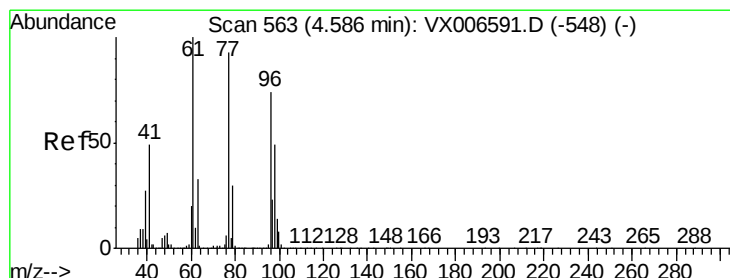
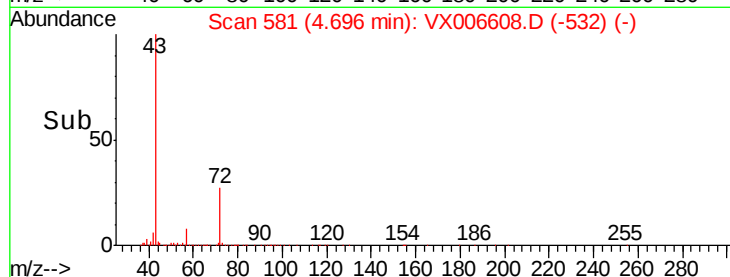
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 45.595 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006608.D

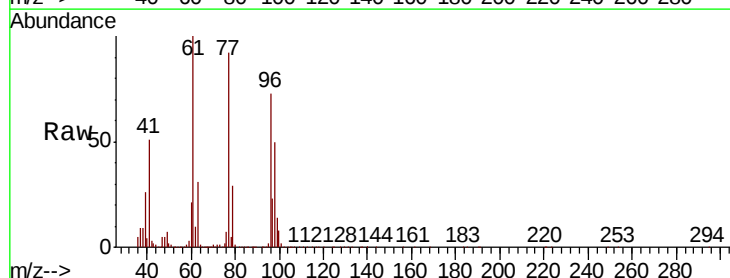
Acq: 18 Dec 2018 19:51

Tgt Ion: 77 Resp: 355187

Ion Ratio Lower Upper

77 100

97 25.2 12.3 36.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

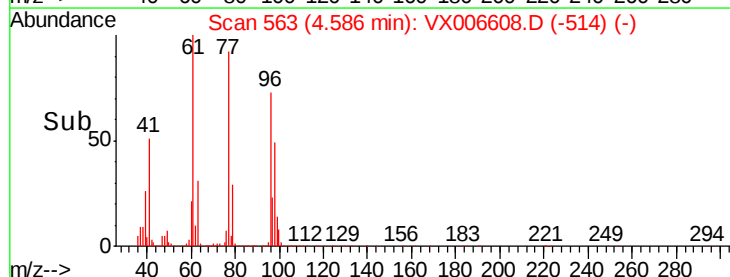
4.59

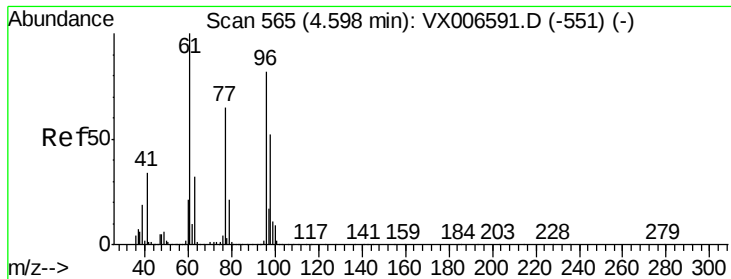
100000

50000

0

Time-->





#27

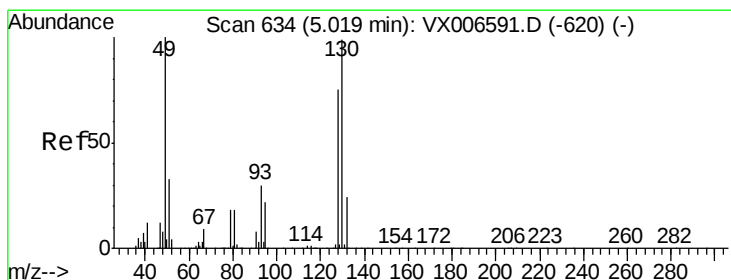
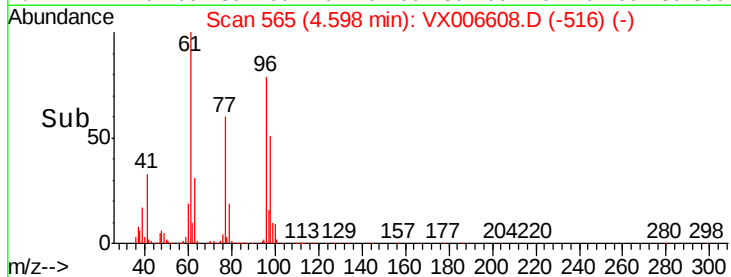
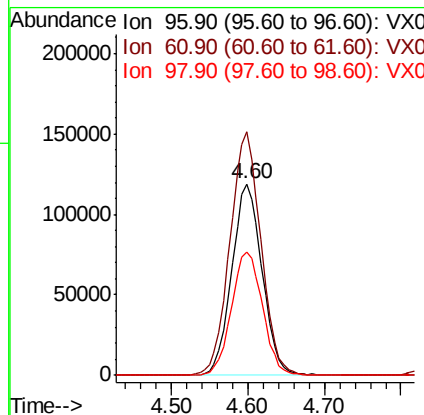
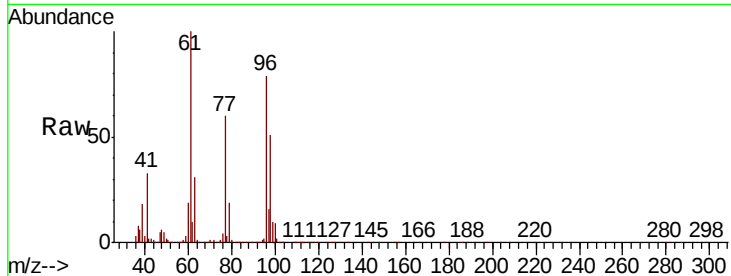
cis-1,2-Dichloroethene
Concen: 48.619 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.7	0.0	265.0
98	66.0	0.0	130.2

Manual Integrations
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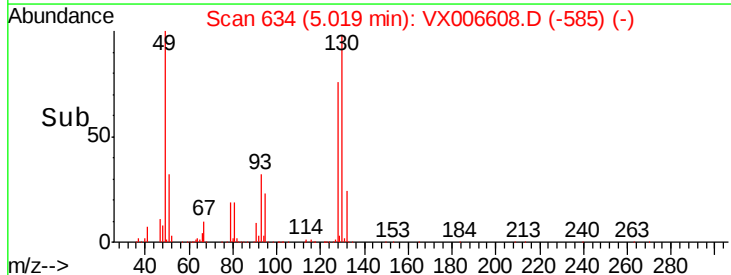
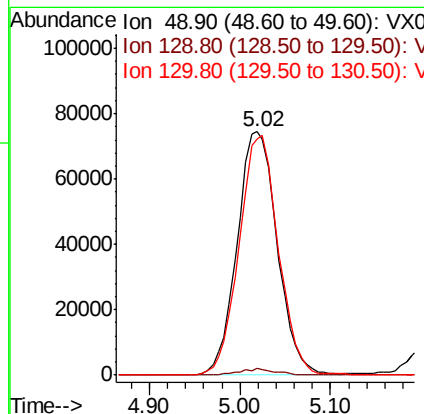
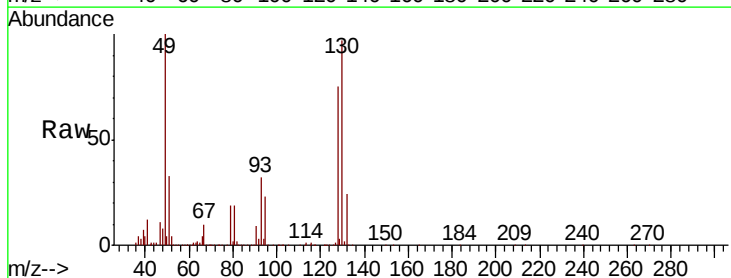
MMDadoda
12/19/2018 11:22:41 AM

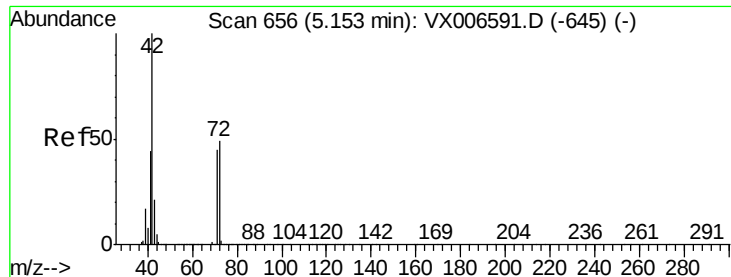


#28

Bromochloromethane
Concen: 53.893 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.0
130	96.3	78.3	117.5





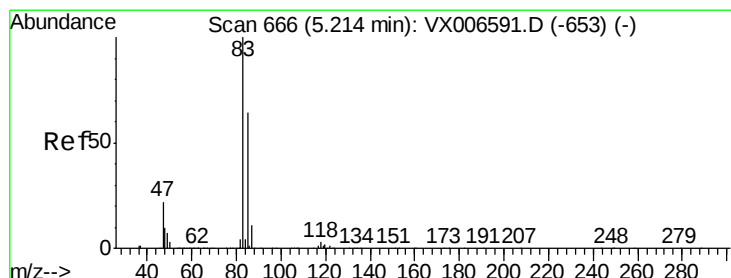
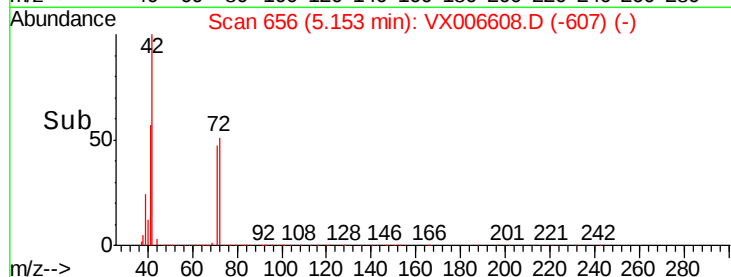
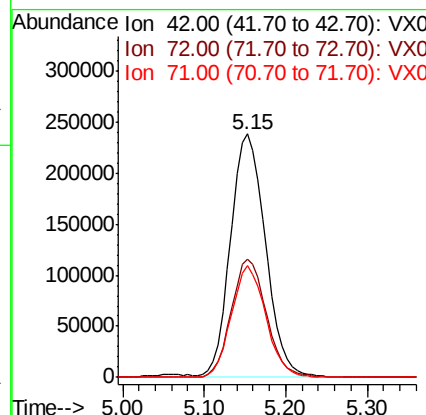
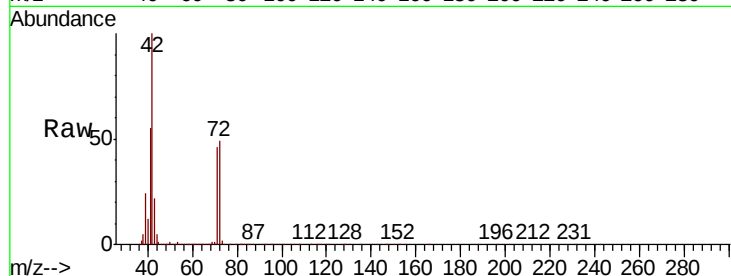
#29
Tetrahydrofuran
Concen: 250.463 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.1	37.8	56.8
71	45.3	35.2	52.8

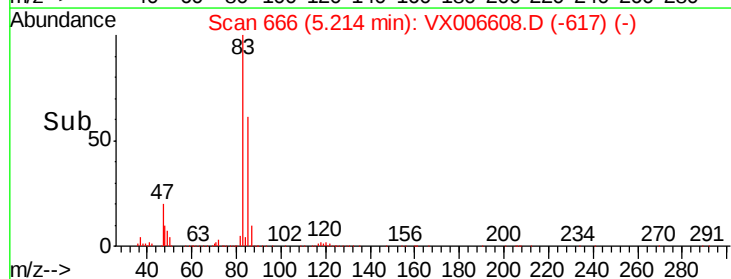
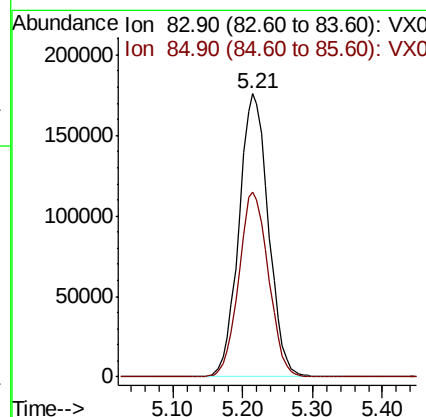
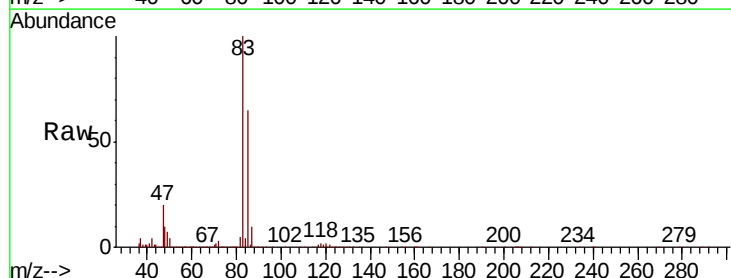
Manual Integrations
APPROVED

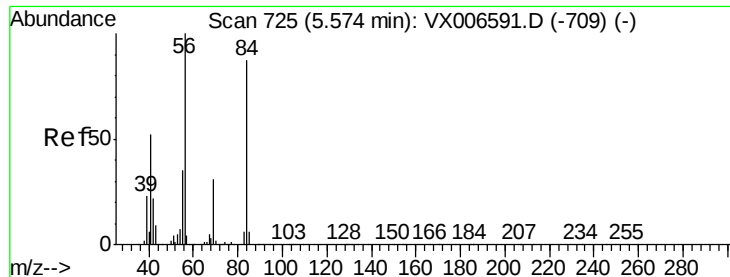
MMDadoda
12/19/2018 11:22:41 AM



#30
Chloroform
Concen: 49.289 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.3	75.5





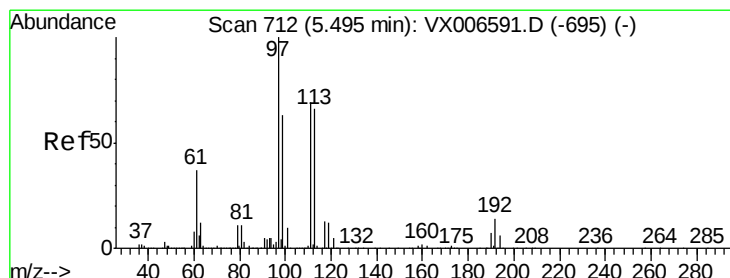
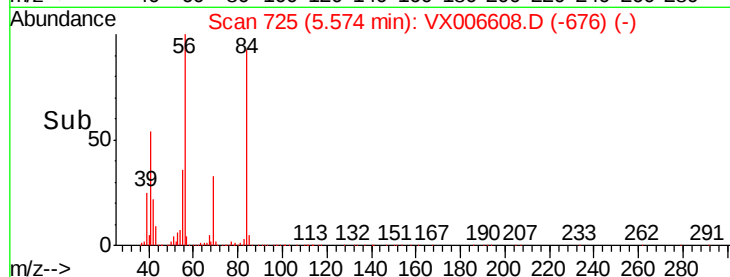
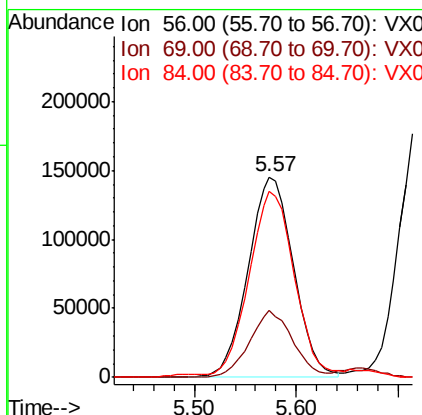
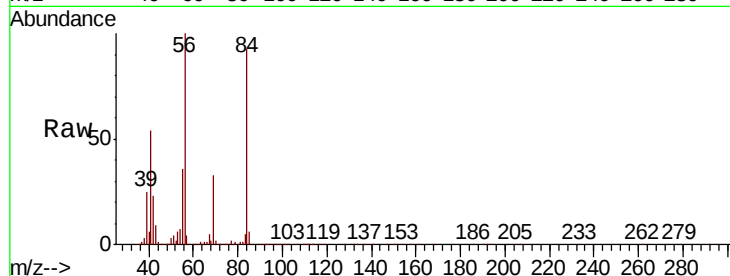
#31
Cyclohexane
Concen: 48.903 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	24.5	36.7
84	91.2	71.8	107.6

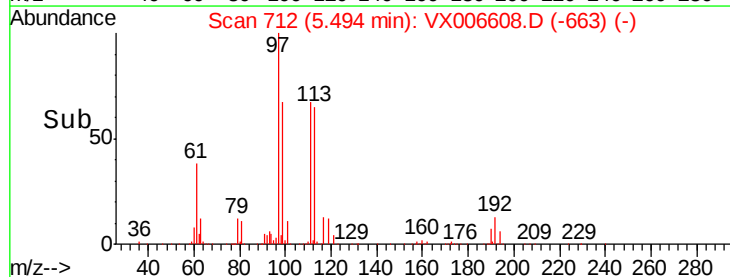
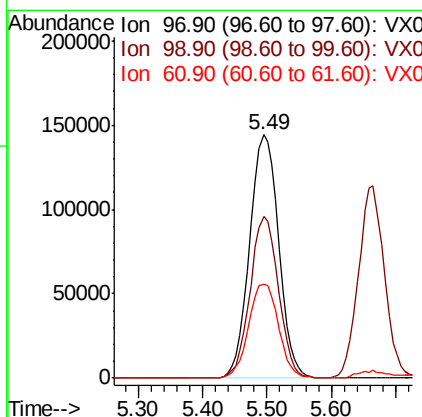
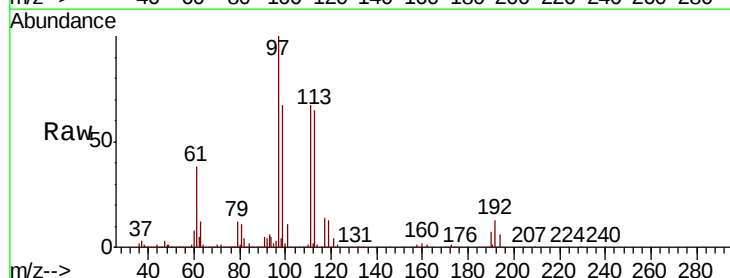
Manual Integrations
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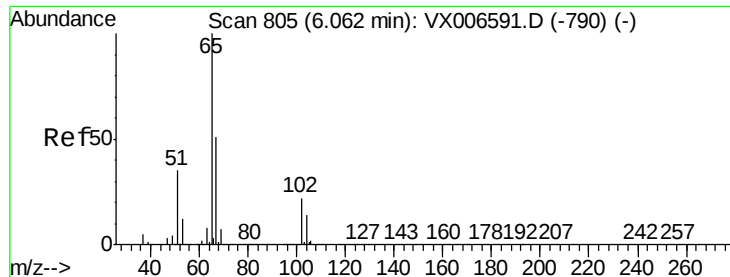
MMDadoda
12/19/2018 11:22:41 AM



#32
1,1,1-Trichloroethane
Concen: 50.506 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.6	77.4
61	39.7	30.6	46.0





#33

1,2-Dichloroethane-d4

Concen: 49.076 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 324768

Ion Ratio Lower Upper

65 100

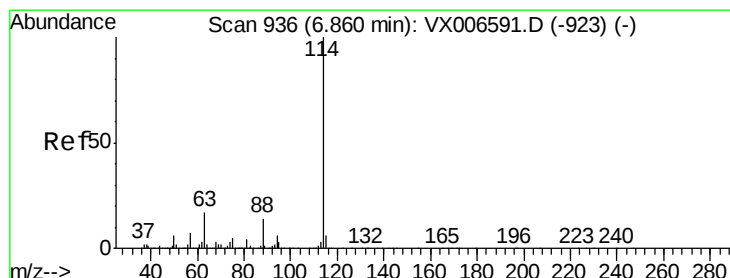
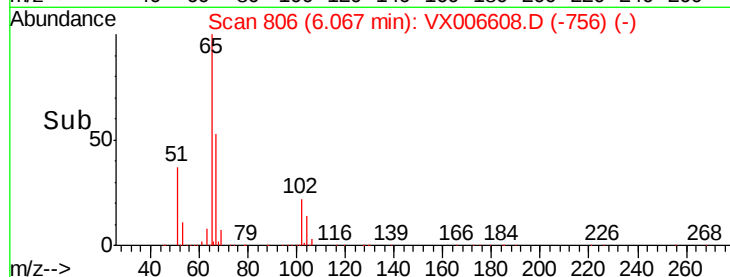
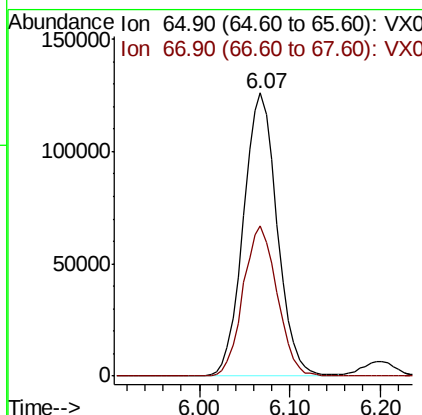
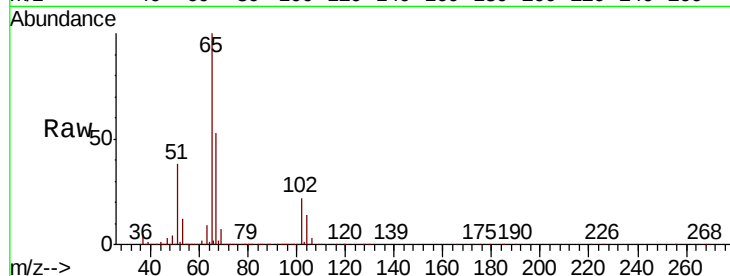
67 53.2 0.0 107.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

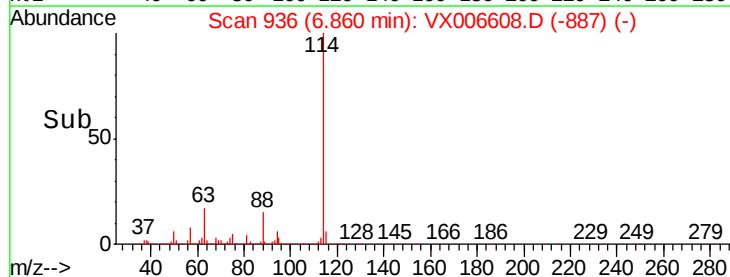
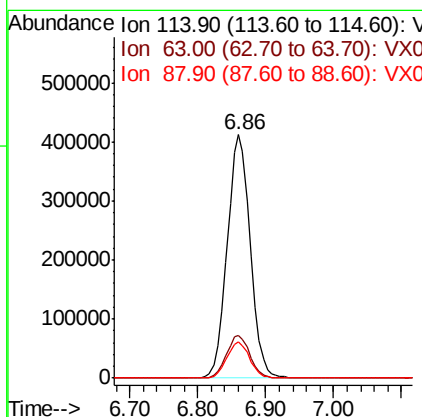
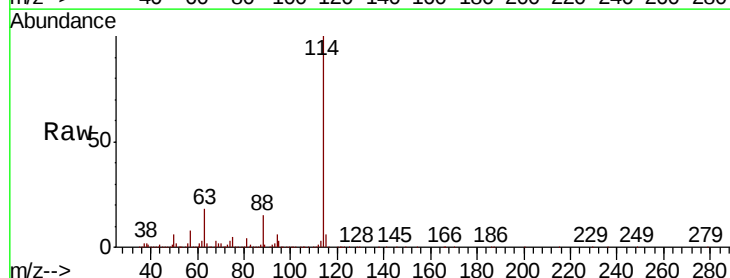
Tgt Ion: 114 Resp: 963211

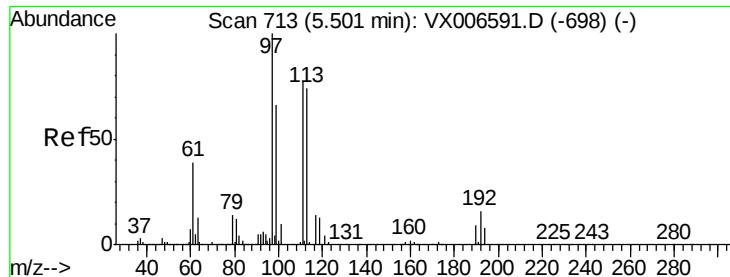
Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.6

88 15.1 0.0 29.0





#35

Dibromofluoromethane

Concen: 47.779 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

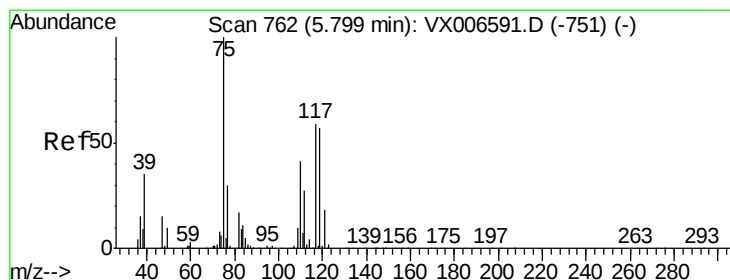
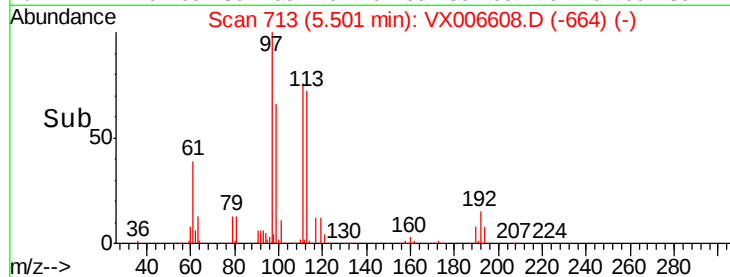
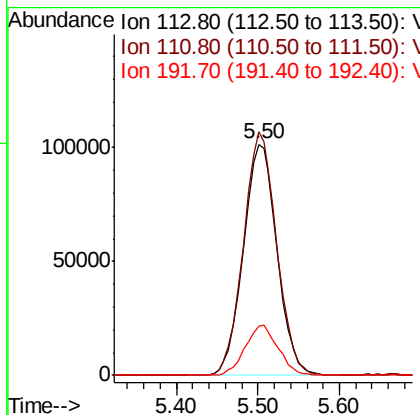
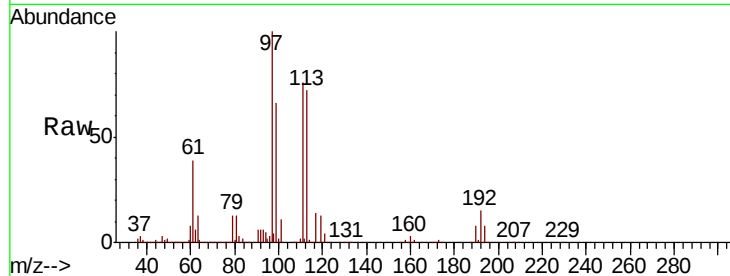
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	291031
Ion Ratio	Lower	Upper	
113	100		
111	104.0	81.1	121.7
192	21.3	18.2	27.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.059 ug/l

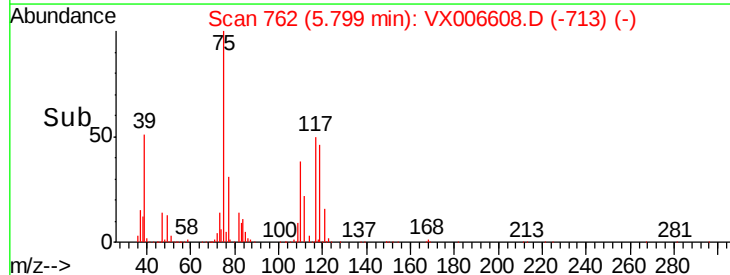
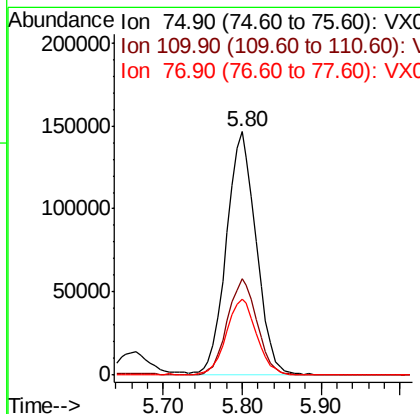
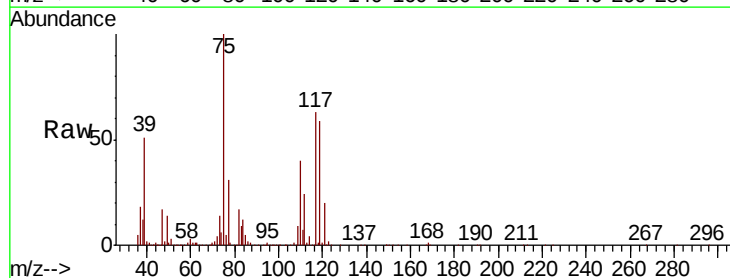
RT: 5.80 min Scan# 762

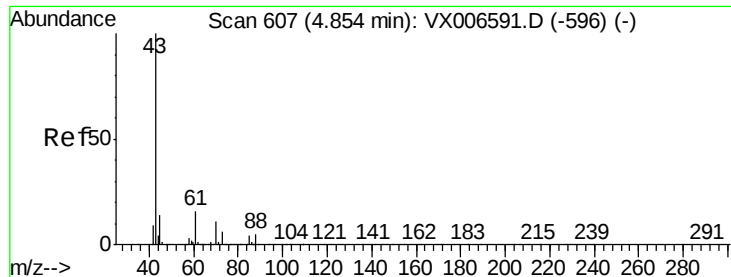
Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Tgt Ion:	75	Resp:	383395
Ion Ratio	Lower	Upper	
75	100		
110	39.8	20.4	61.3
77	31.7	24.9	37.3





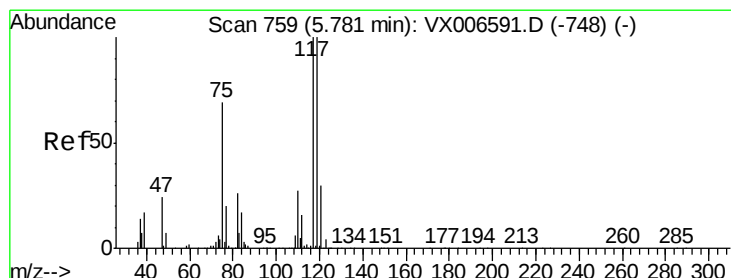
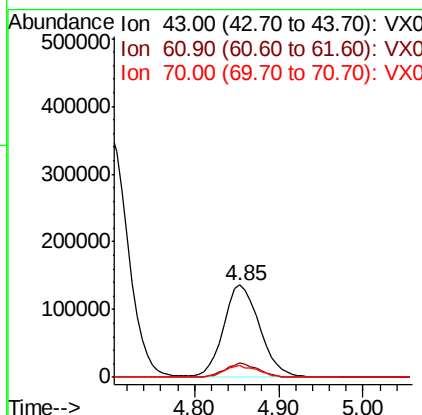
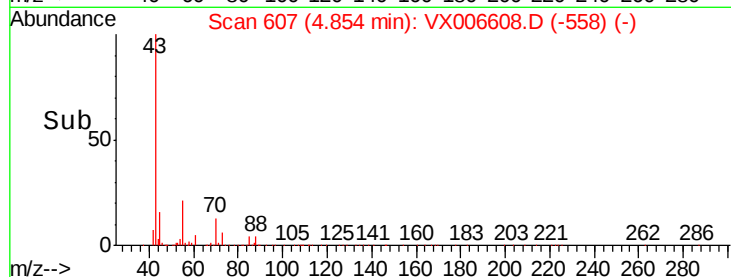
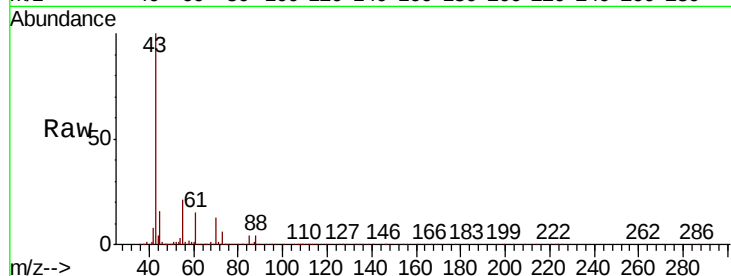
#37
Ethyl Acetate
Concen: 47.694 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.5	17.3
70	12.0	9.0	13.6

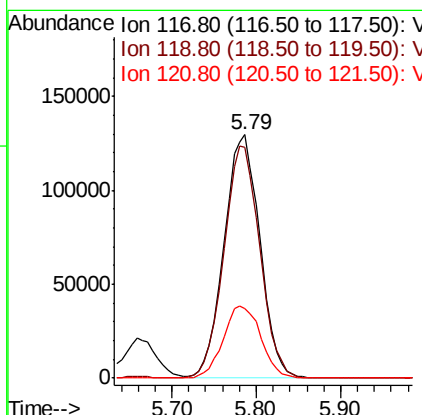
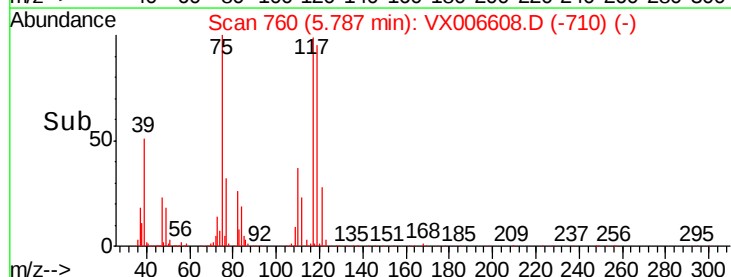
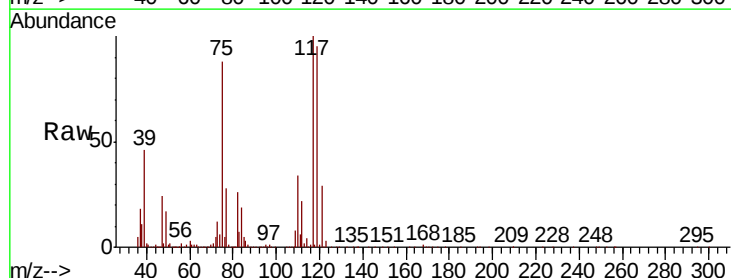
Manual Integrations
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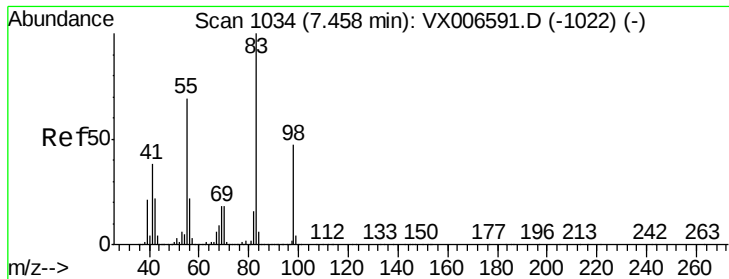
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#38
Carbon Tetrachloride
Concen: 48.203 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.8	113.8
121	28.8	24.6	37.0





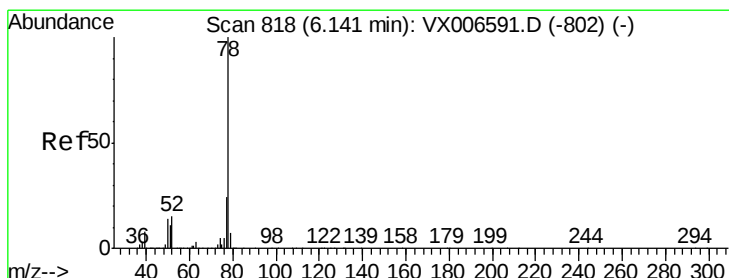
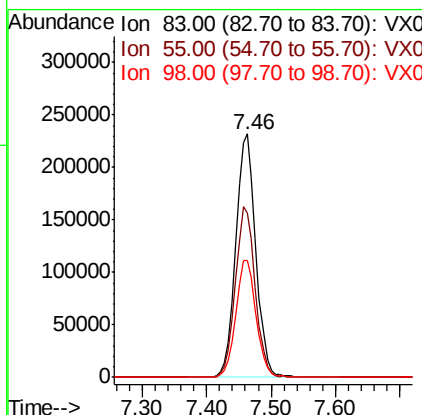
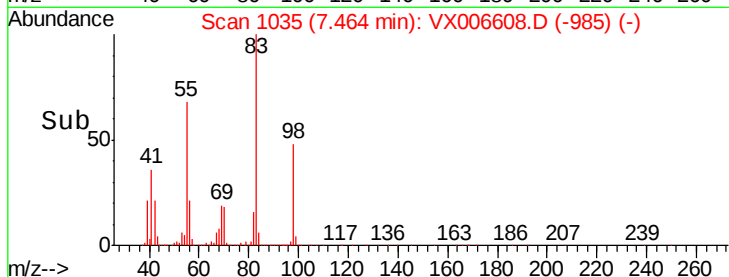
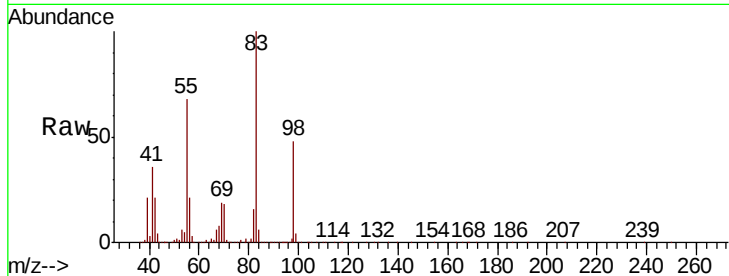
#39
Methvlcvclohexane
Concen: 47.648 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.5	56.4	84.6
98	47.9	39.0	58.6

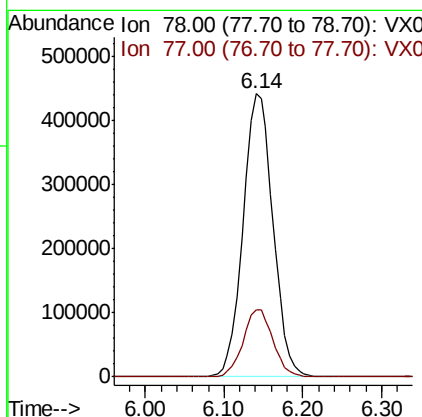
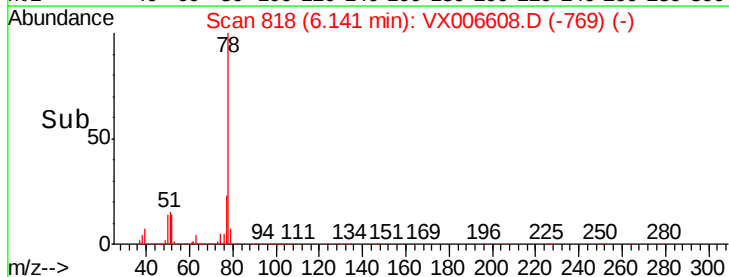
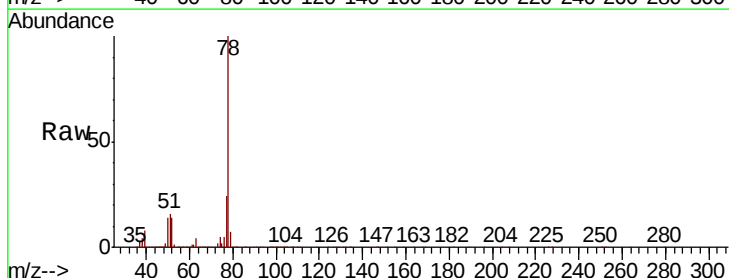
Manual Integrations
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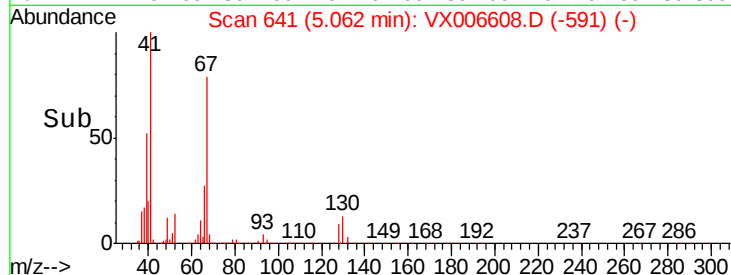
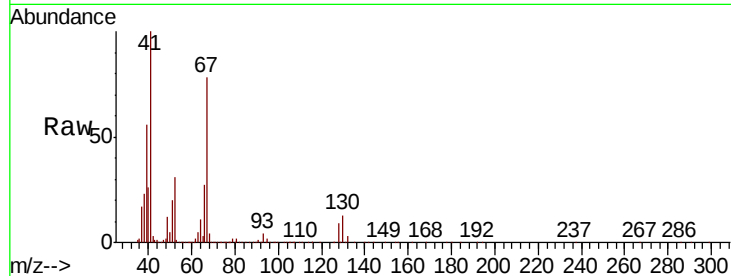
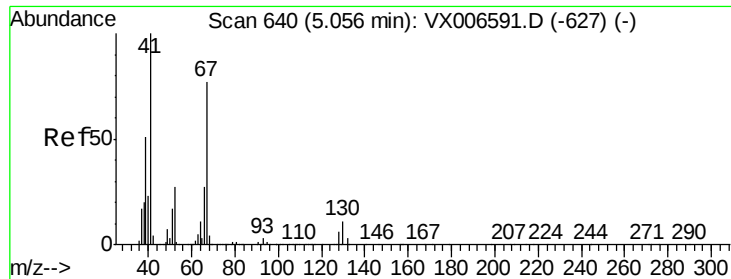
MMDadoda
12/19/2018 11:22:41 AM



#40
Benzene
Concen: 48.026 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8





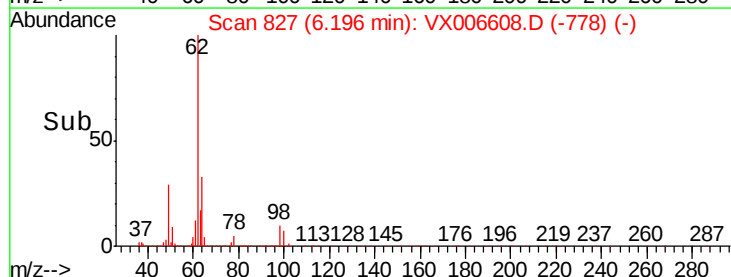
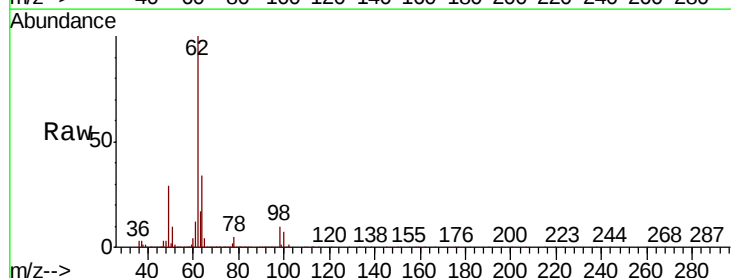
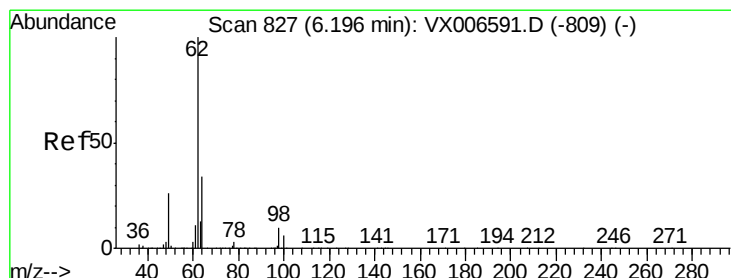
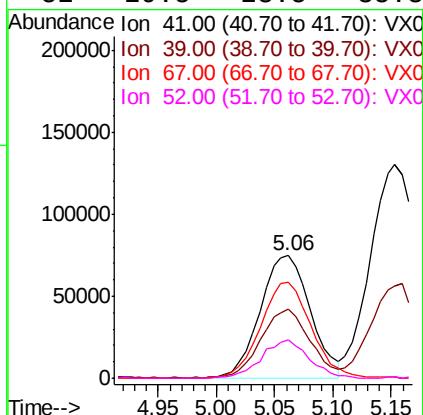
#41
Methacrylonitrile
Concen: 47.643 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		222302		
39	54.9	44.0	66.0		
67	79.0	61.4	92.0		
52	29.5	23.5	35.3		

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

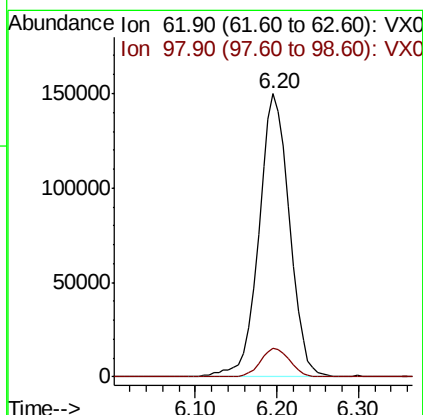
Manual Integrations
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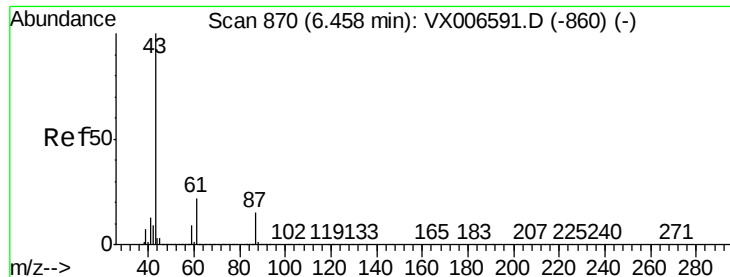
MMDadoda
12/19/2018 11:22:41 AM



#42
1,2-Dichloroethane
Concen: 47.051 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		388787		
98	9.8	0.0	20.2		





#43

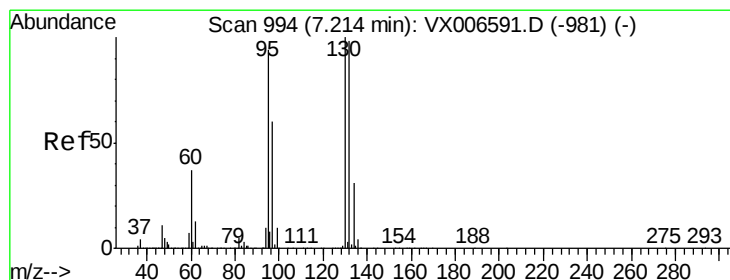
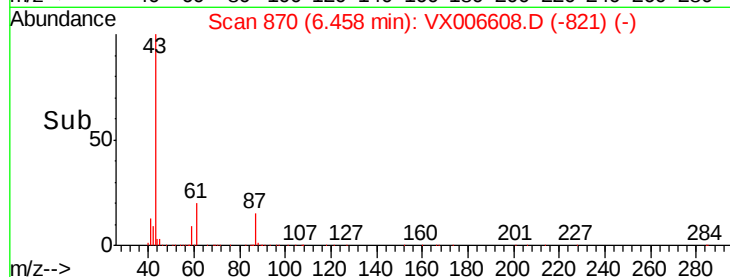
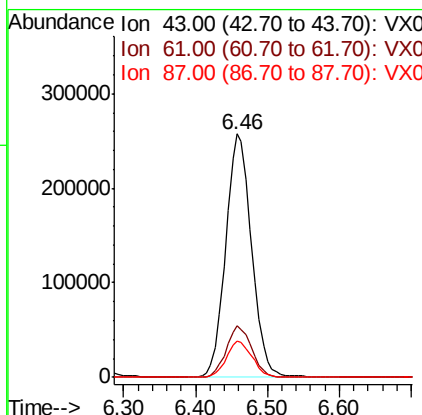
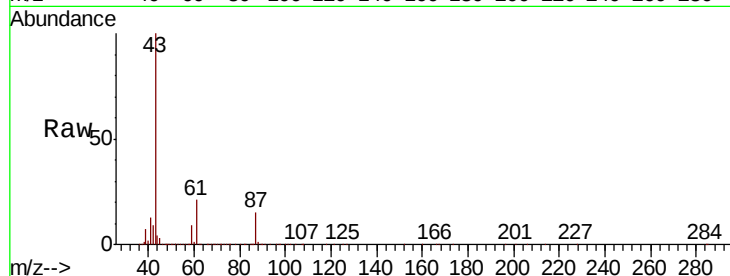
Isopropyl Acetate
 Concen: 50.615 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.8	25.2
87	14.9	11.9	17.9

Manual Integrations
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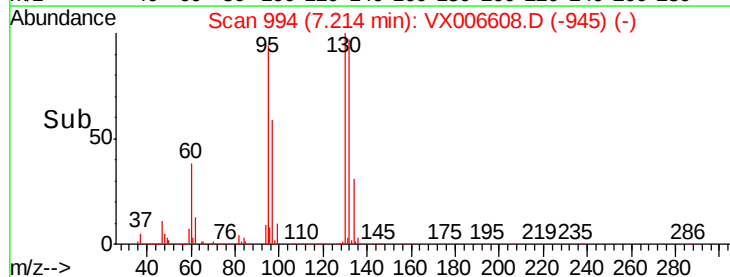
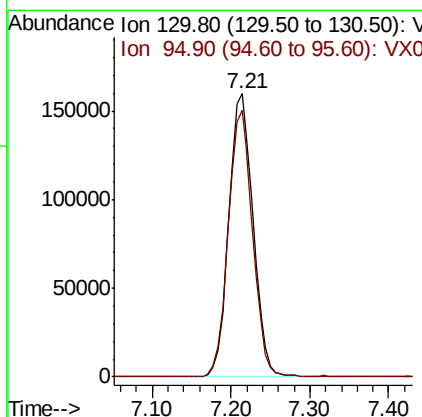
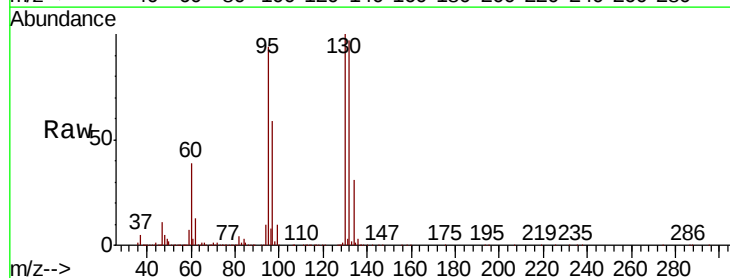
MMDadoda
 12/19/2018 11:22:41 AM

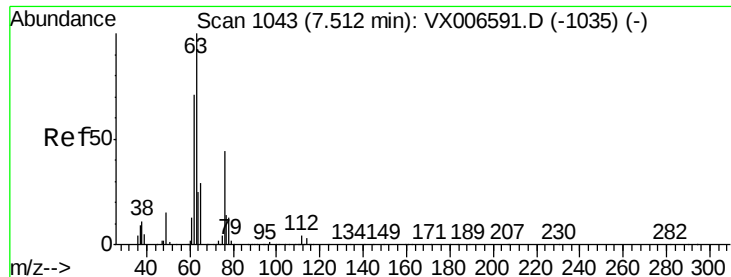


#44

Trichloroethene
 Concen: 46.665 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	175.8





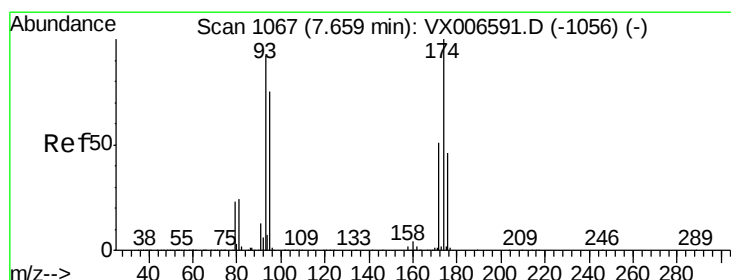
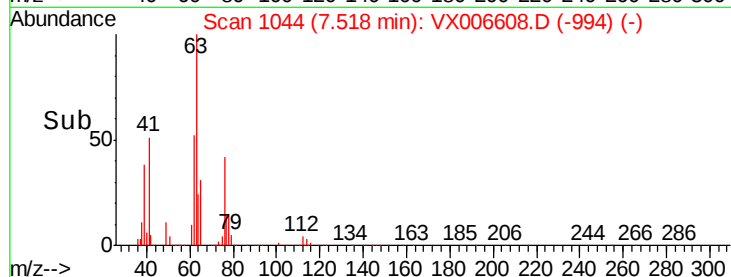
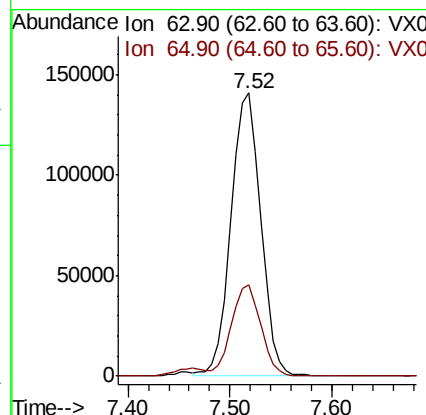
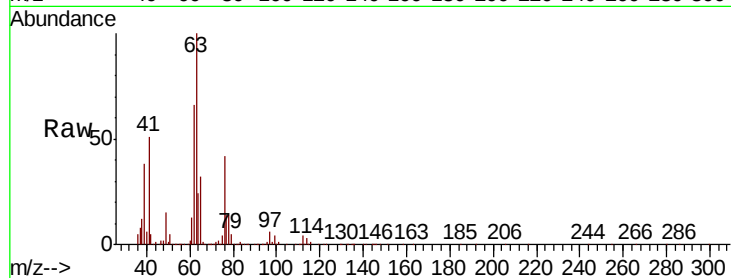
#45
 1,2-Dichloropropane
 Concen: 48.207 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.01 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	24.3	36.5

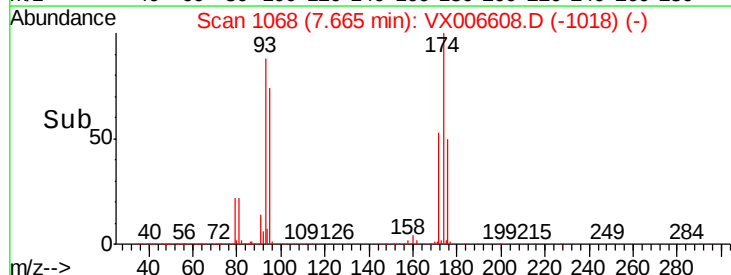
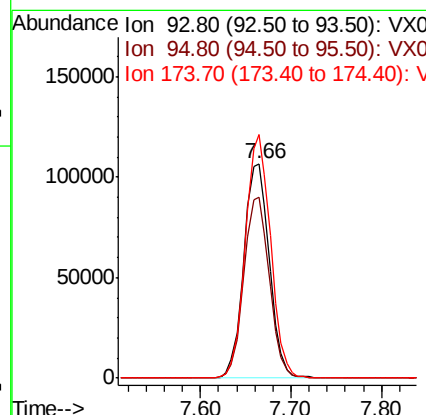
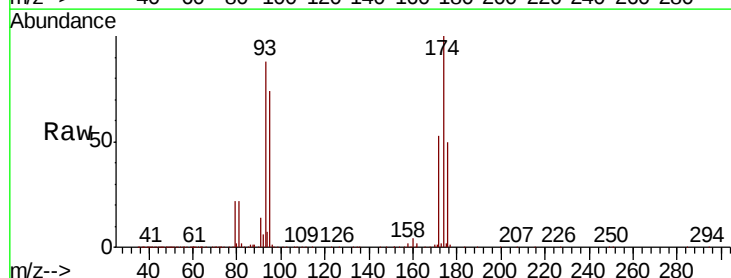
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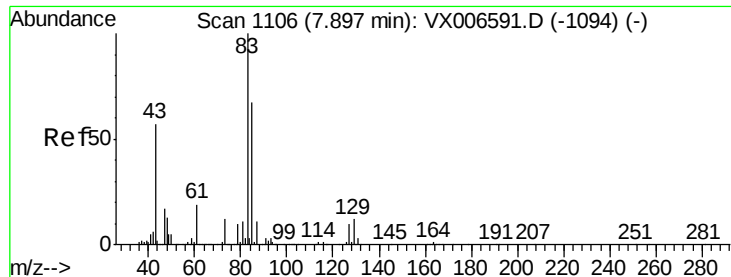
MMDadoda
 12/19/2018 11:22:41 AM



#46
 Dibromomethane
 Concen: 47.972 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.9	66.2	99.4
174	112.4	97.2	145.8





#47

Bromodichloromethane

Concen: 49.399 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

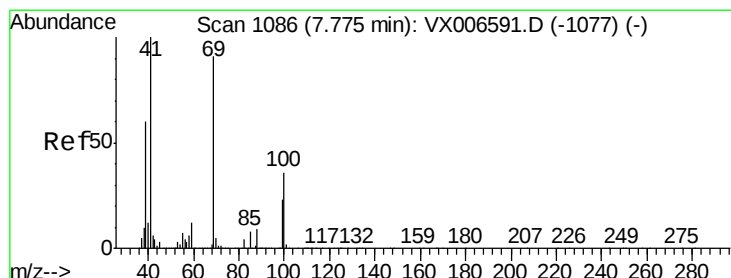
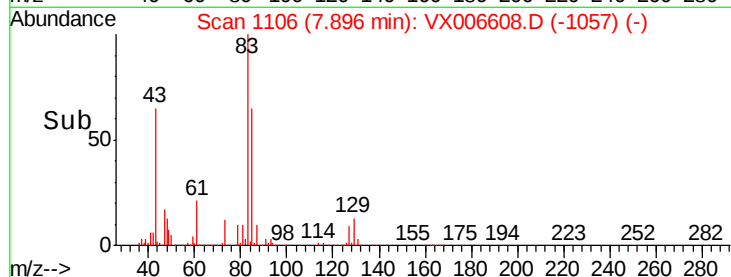
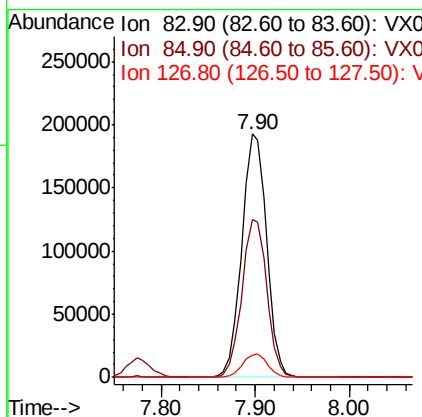
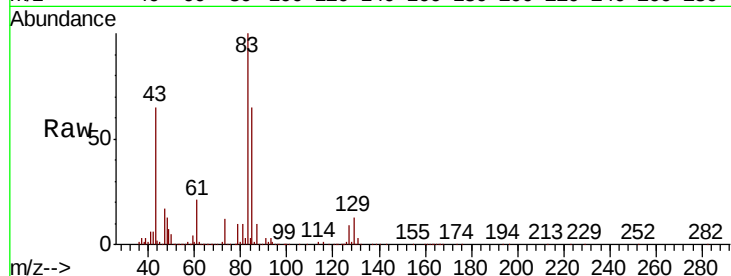
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	355979
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.4	77.0
127	9.3	7.9	11.9

Manual Integrations
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MMDadoda
12/19/2018 11:22:41 AM



#48

Methyl methacrylate

Concen: 50.983 ug/l

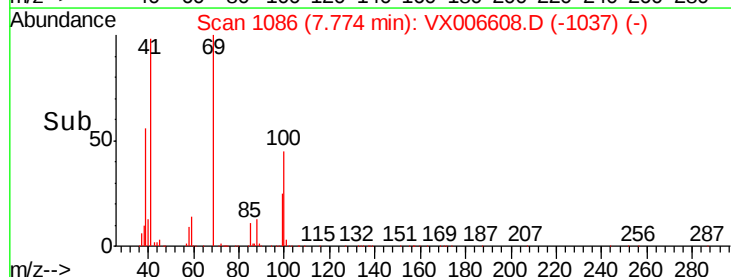
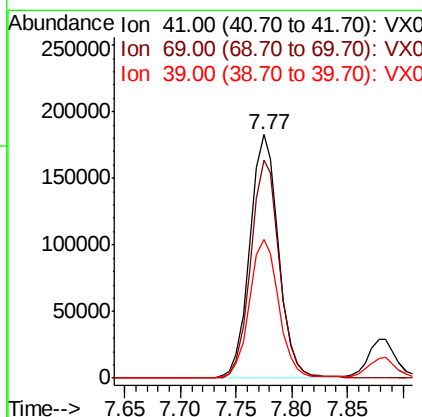
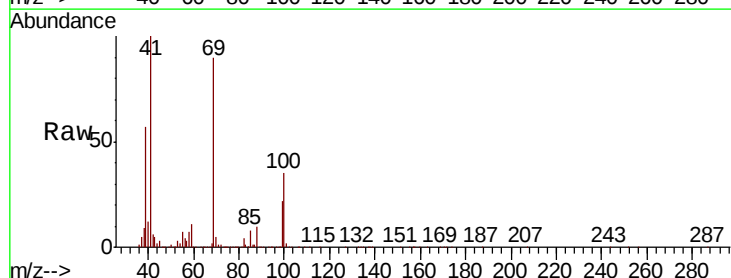
RT: 7.77 min Scan# 1086

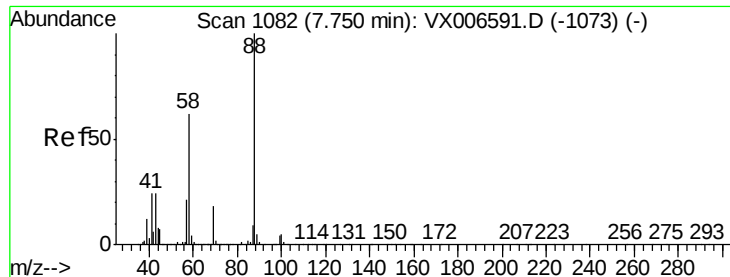
Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Tgt Ion:	41	Resp:	327545
Ion	Ratio	Lower	Upper
41	100		
69	90.2	70.3	105.5
39	58.0	45.3	67.9





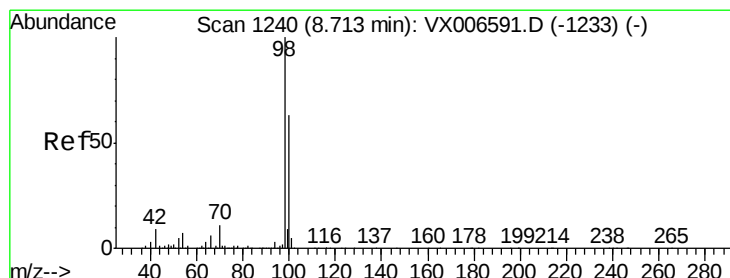
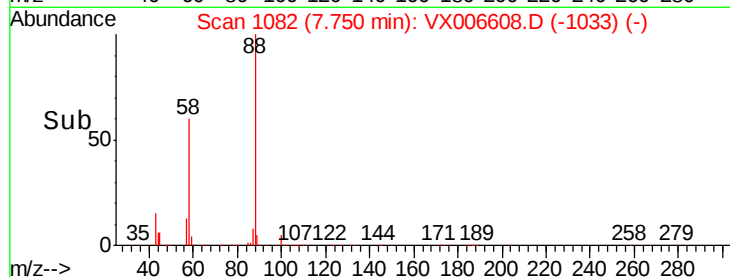
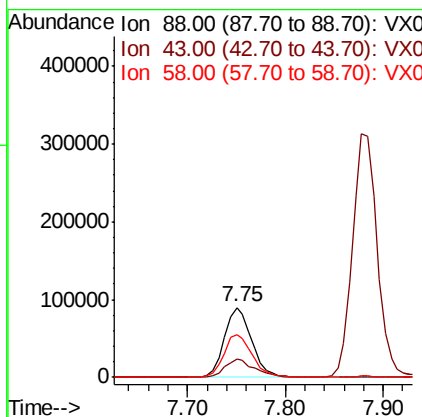
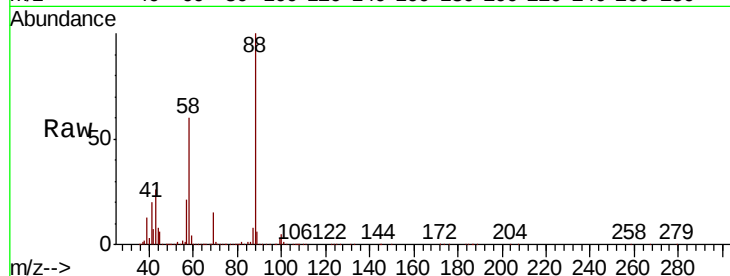
#49
1,4-Dioxane
Concen: 1027.750 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.8	23.2	34.8
58	63.7	51.4	77.0

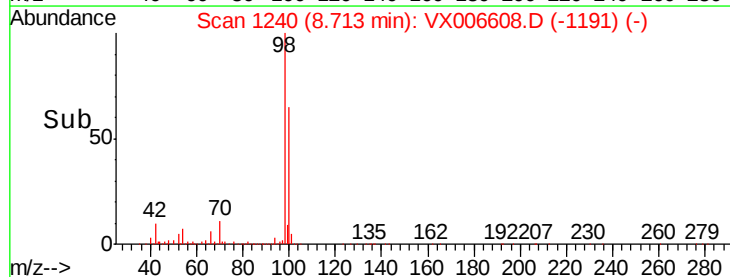
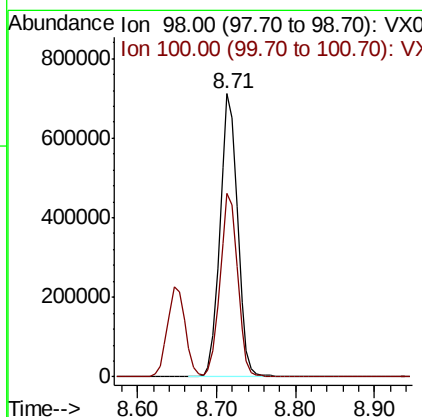
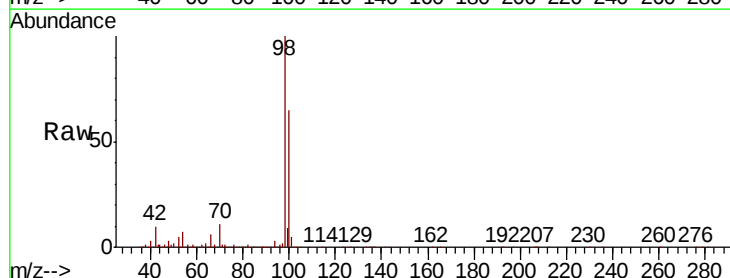
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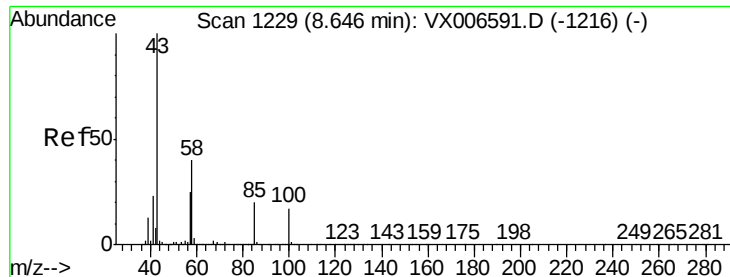
MMDadoda
12/19/2018 11:22:41 AM



#50
Toluene-d8
Concen: 48.189 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 258.348 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2076727

Ion Ratio Lower Upper

43 100

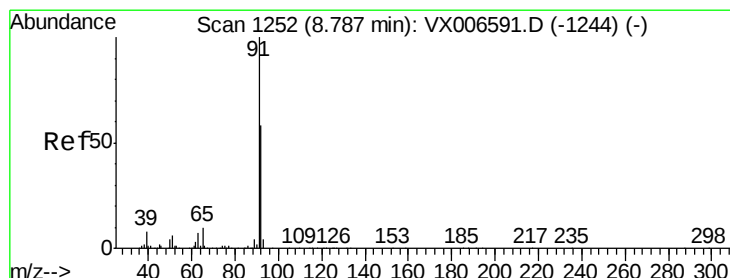
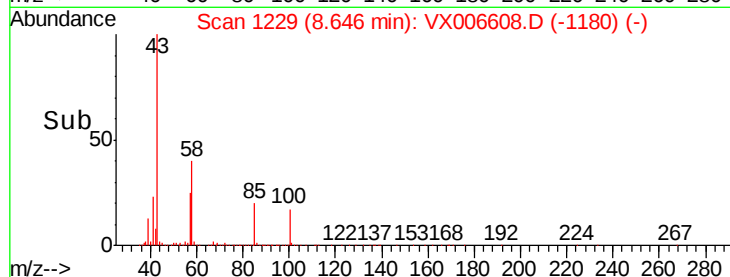
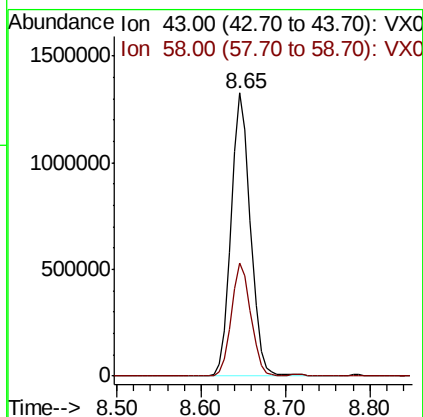
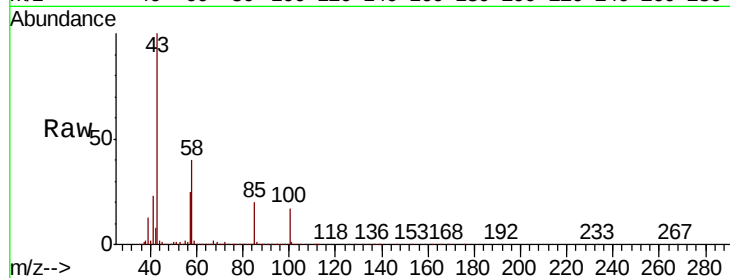
58 39.9 31.3 46.9

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#52

Toluene

Concen: 49.221 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006608.D

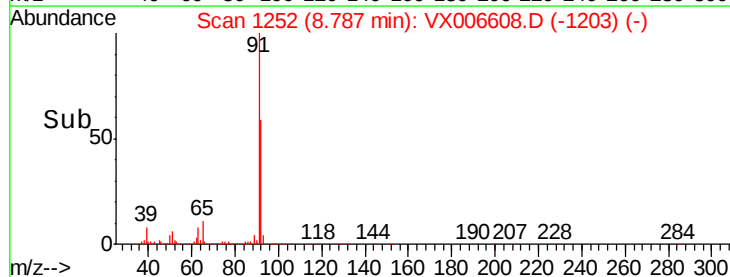
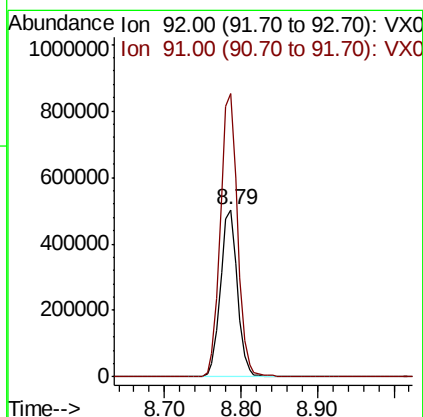
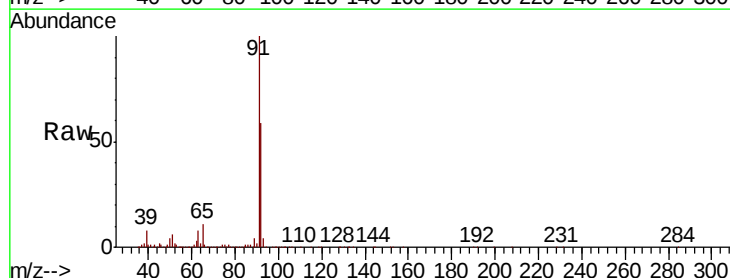
Acq: 18 Dec 2018 19:51

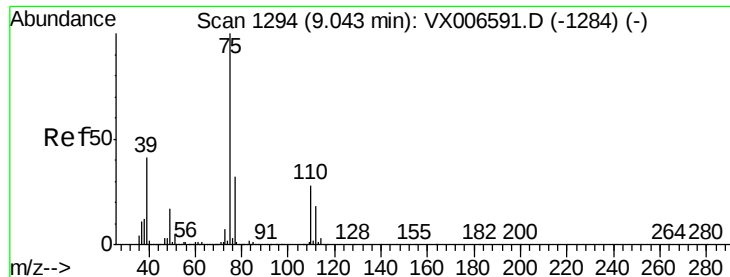
Tgt Ion: 92 Resp: 771101

Ion Ratio Lower Upper

92 100

91 172.2 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 50.599 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 391063

Ion Ratio Lower Upper

75 100

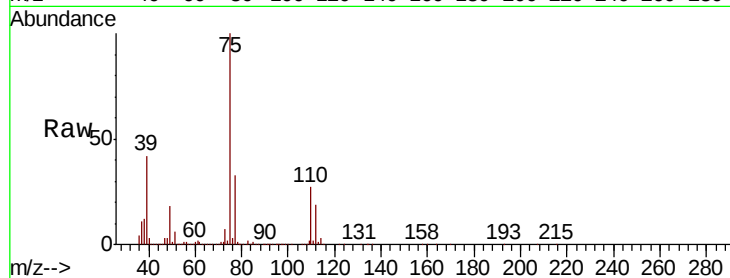
77 32.5 25.0 37.4

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

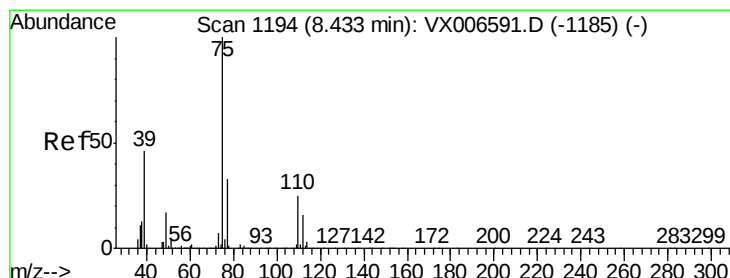
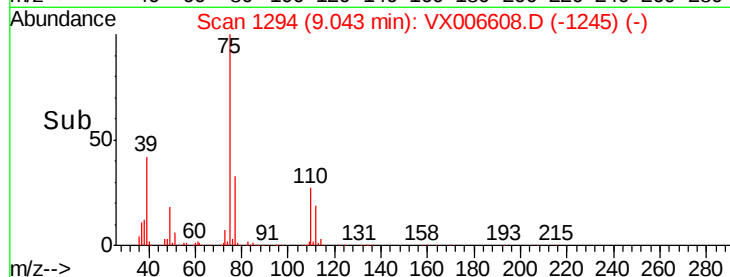
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.814 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.01 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

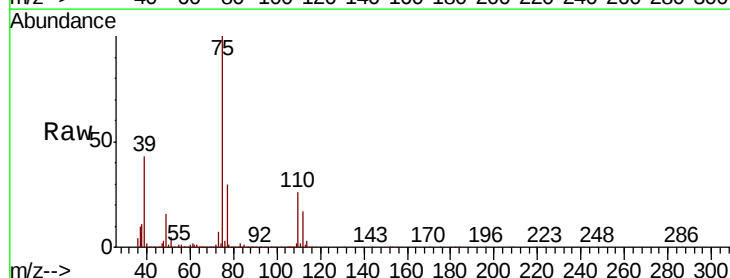
Tgt Ion: 75 Resp: 439398

Ion Ratio Lower Upper

75 100

77 30.4 25.6 38.4

39 43.1 36.5 54.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.44

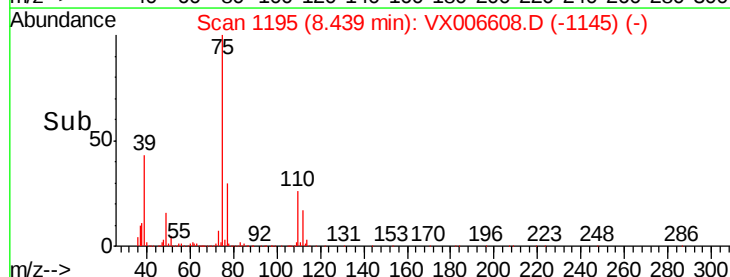
300000

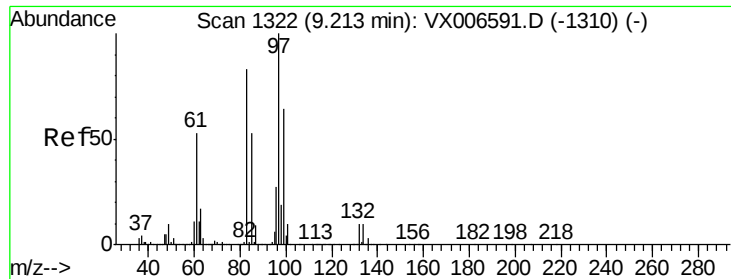
200000

100000

0

Time-->





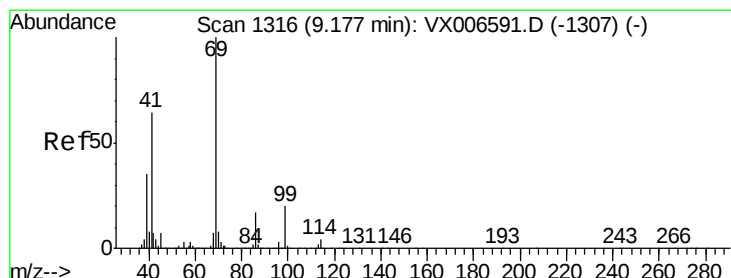
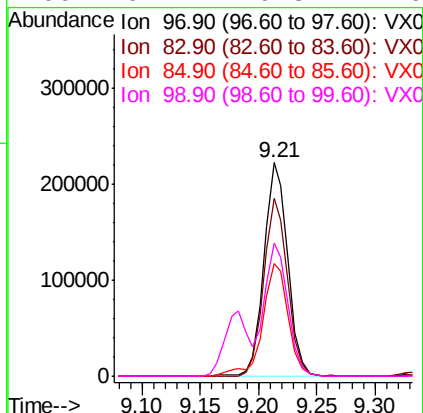
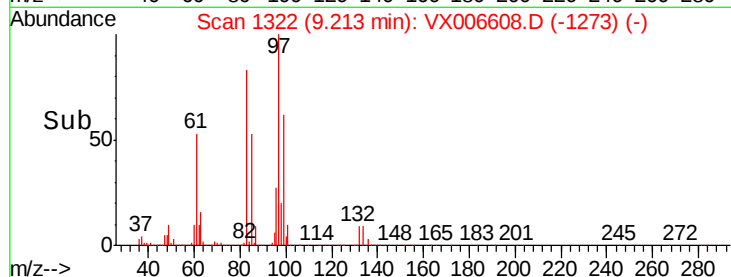
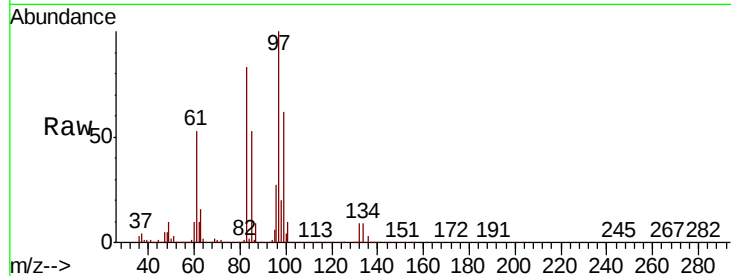
#55
 1,1,2-Trichloroethane
 Concen: 49.439 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	317020
Ion	Ratio	Lower	Upper
97	100		
83	83.2	67.1	100.7
85	52.9	43.2	64.8
99	62.2	49.8	74.6

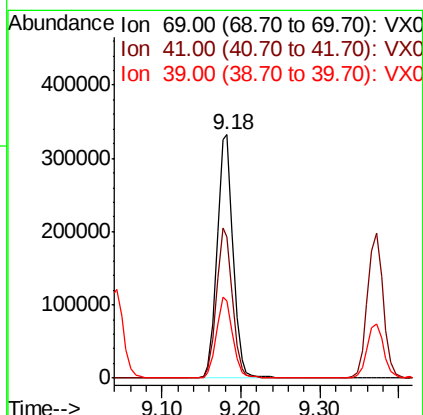
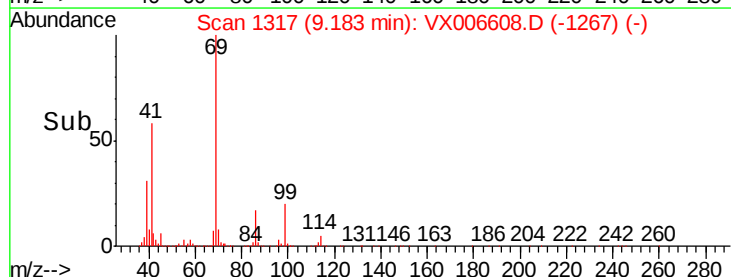
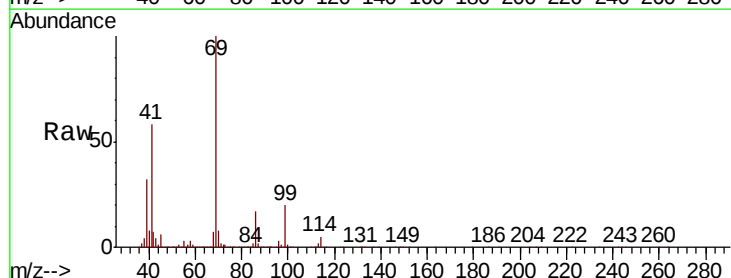
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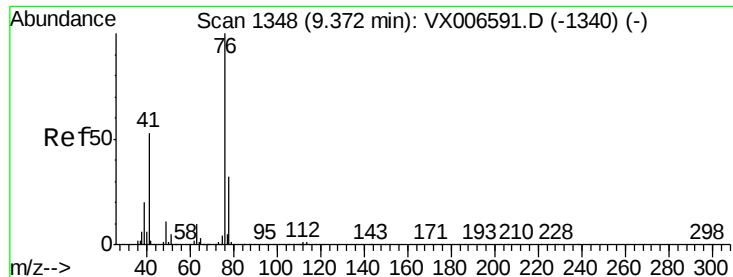
MMDadoda
 12/19/2018 11:22:41 AM



#56
 Ethyl methacrylate
 Concen: 51.673 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

Tgt Ion:	69	Resp:	468313
Ion	Ratio	Lower	Upper
69	100		
41	61.4	50.6	76.0
39	34.0	27.6	41.4





#57

1,3-Dichloropropane

Concen: 48.396 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 499290

Ion Ratio Lower Upper

76 100

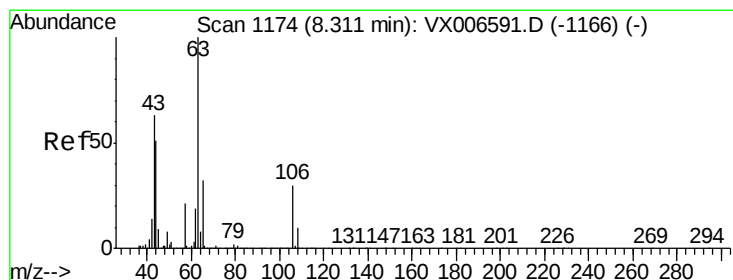
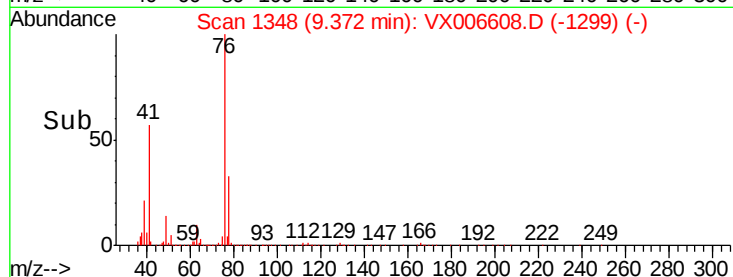
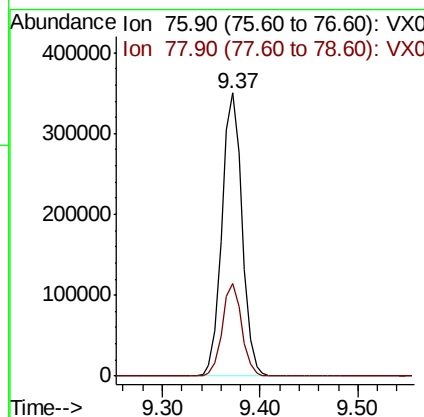
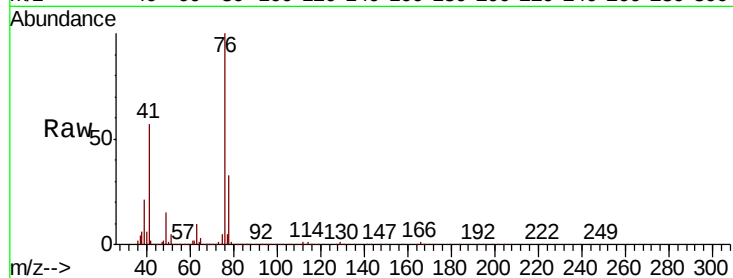
78 31.7 26.1 39.1

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 248.727 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006608.D

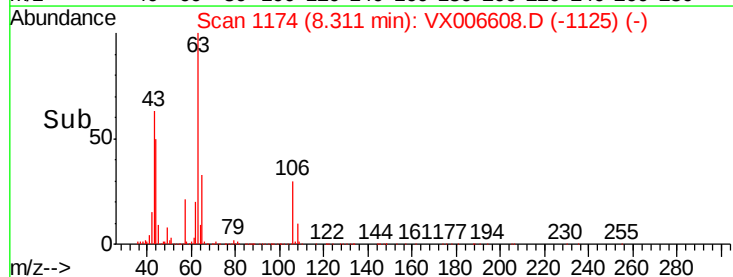
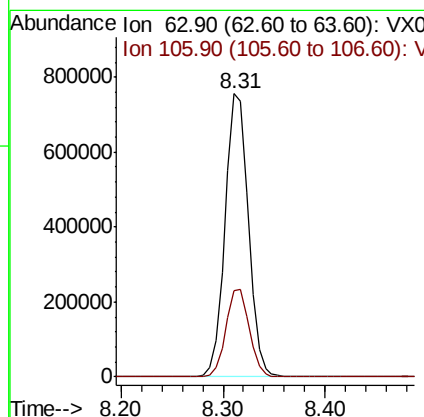
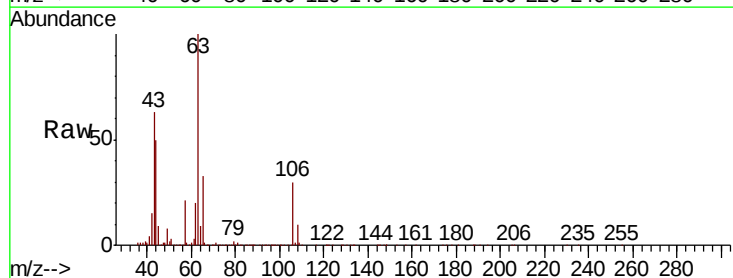
Acq: 18 Dec 2018 19:51

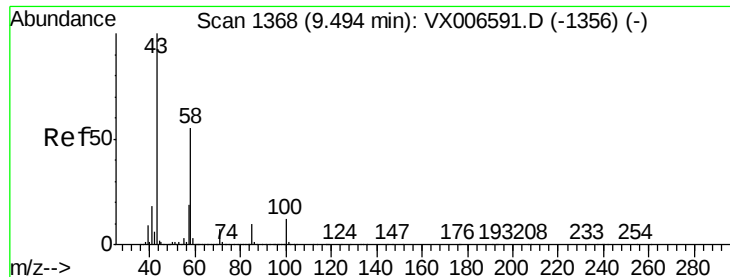
Tgt Ion: 63 Resp: 1198280

Ion Ratio Lower Upper

63 100

106 31.0 24.9 37.3





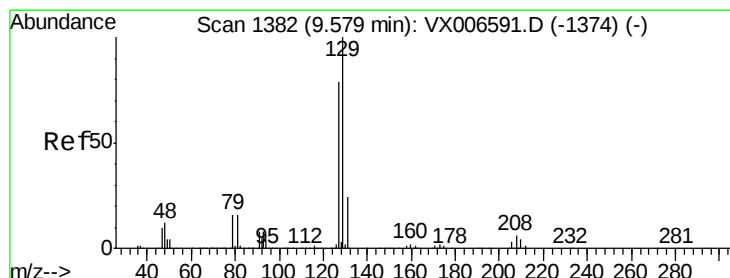
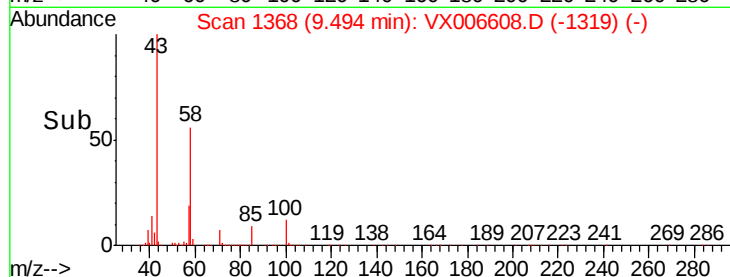
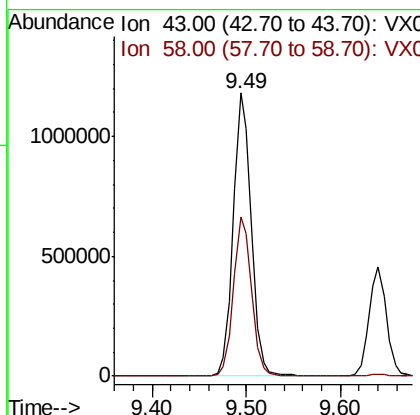
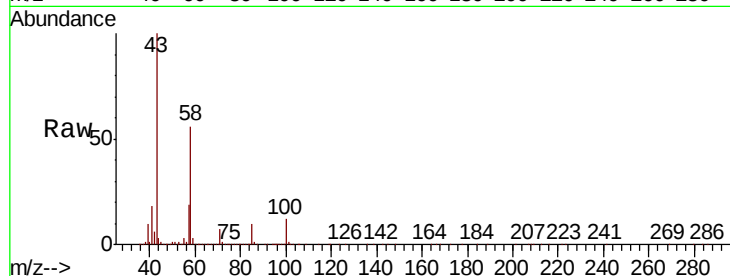
#59
2-Hexanone
Concen: 254.193 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1563385
Ion Ratio Lower Upper
43 100
58 56.6 27.7 83.1

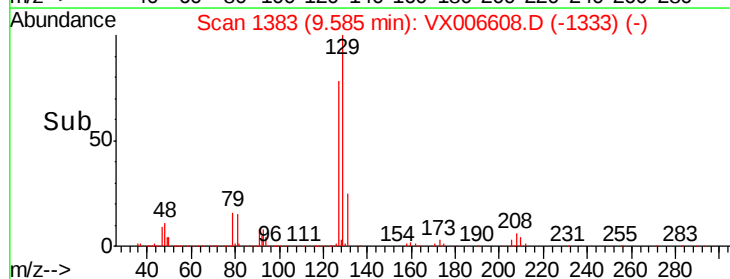
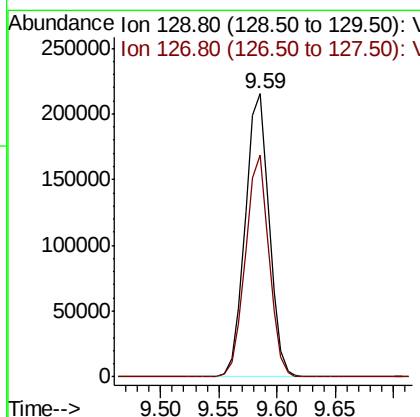
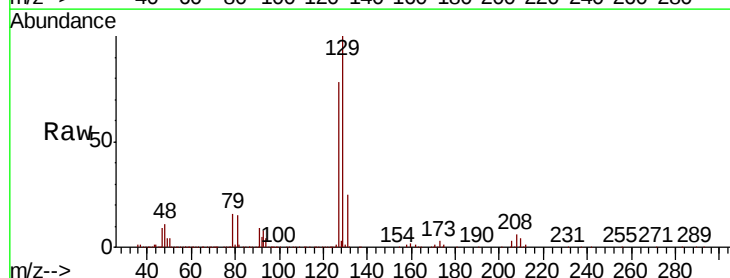
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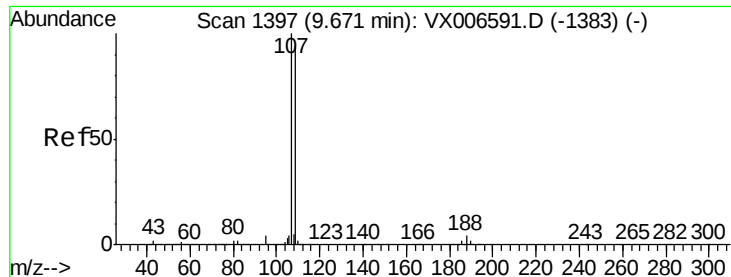
MMDadoda
12/19/2018 11:22:41 AM



#60
Dibromochloromethane
Concen: 46.495 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Tgt Ion: 129 Resp: 310682
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 50.240 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 342462

Ion Ratio Lower Upper

107 100

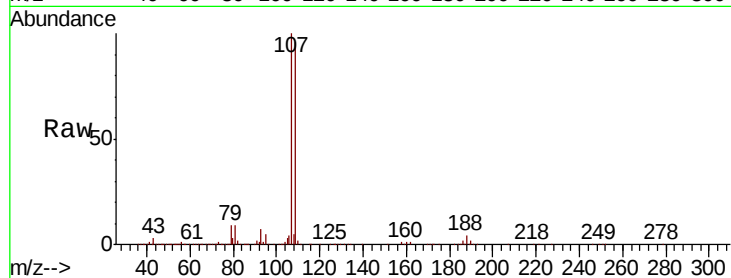
109 95.3 76.3 114.5

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

250000

200000

150000

100000

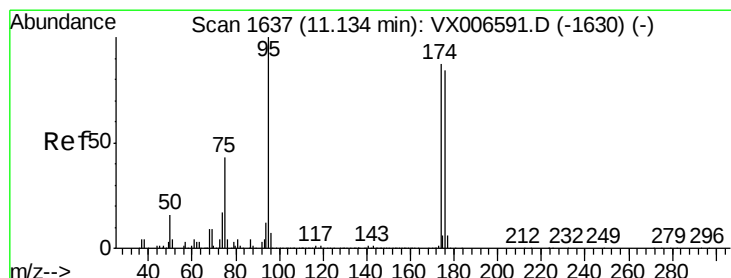
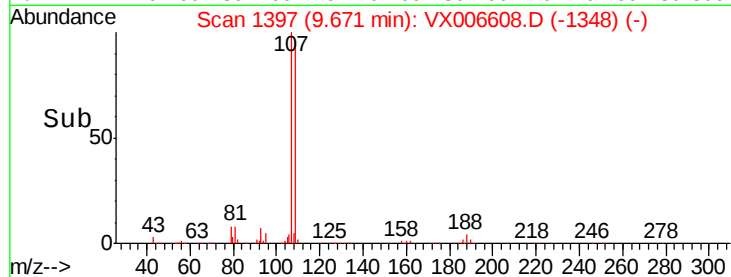
50000

0

9.60

9.70

Time-->



#62

4-Bromofluorobenzene

Concen: 49.832 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

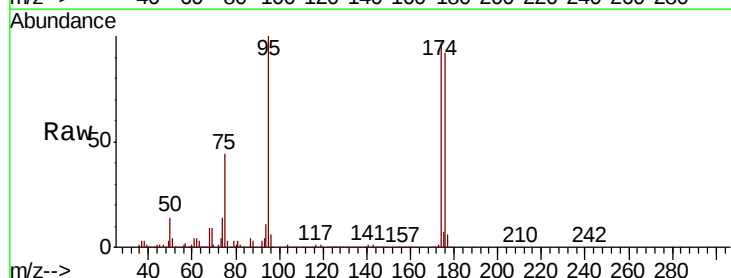
Tgt Ion: 95 Resp: 419103

Ion Ratio Lower Upper

95 100

174 90.9 0.0 187.0

176 87.5 0.0 181.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

300000

200000

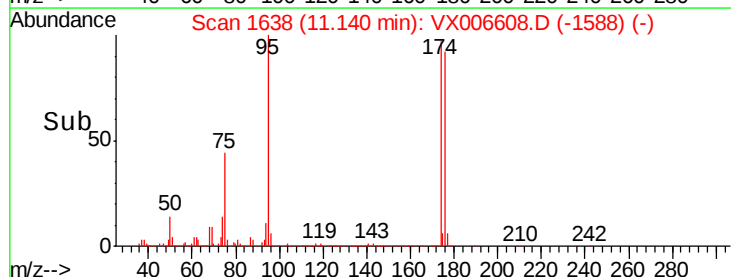
100000

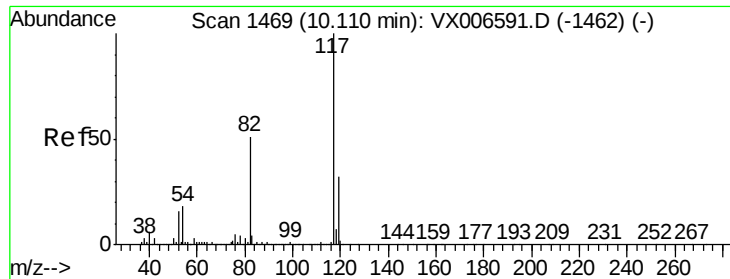
0

11.10

11.20

Time-->





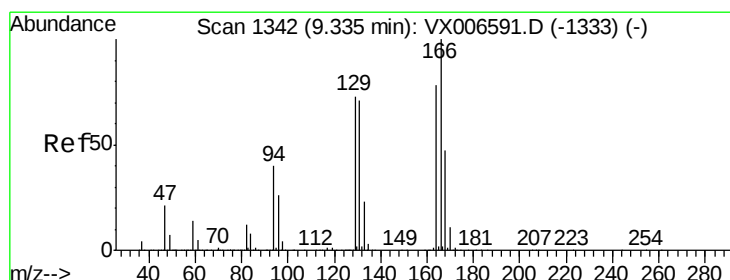
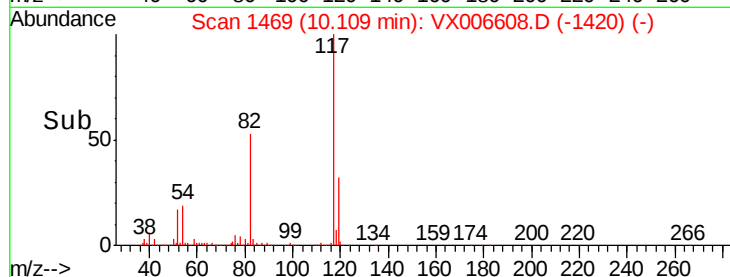
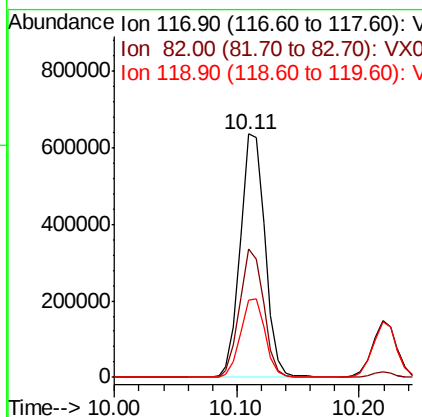
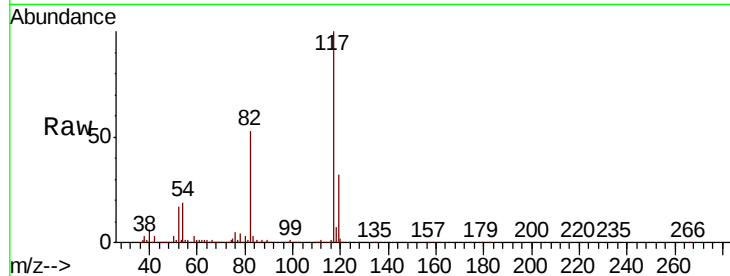
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	39.6	59.4
119	31.9	26.3	39.5

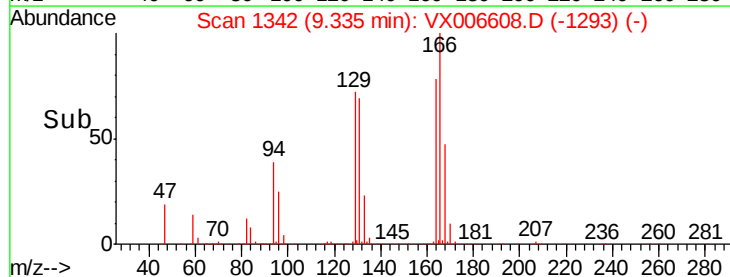
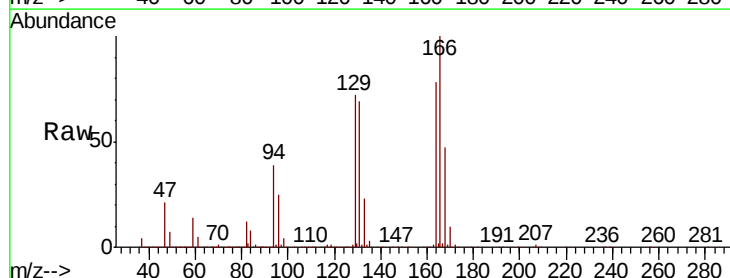
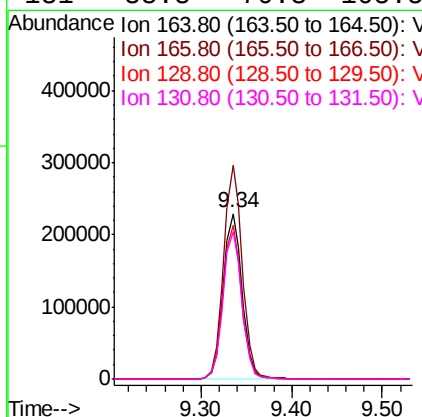
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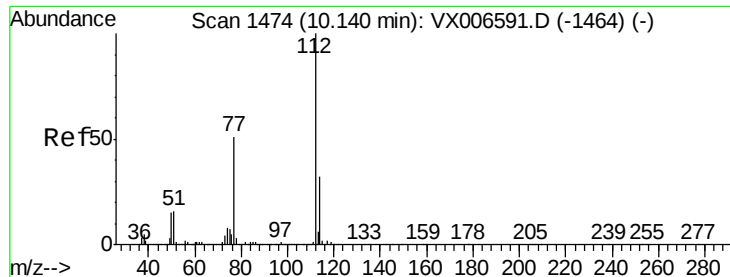
MMDadoda
12/19/2018 11:22:41 AM



#64
Tetrachloroethene
Concen: 46.992 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	104.2	156.2
129	92.8	72.6	108.8
131	88.8	70.3	105.5





#65

Chlorobenzene

Concen: 47.715 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 900450

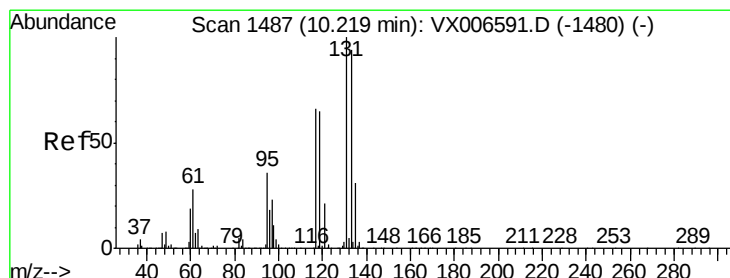
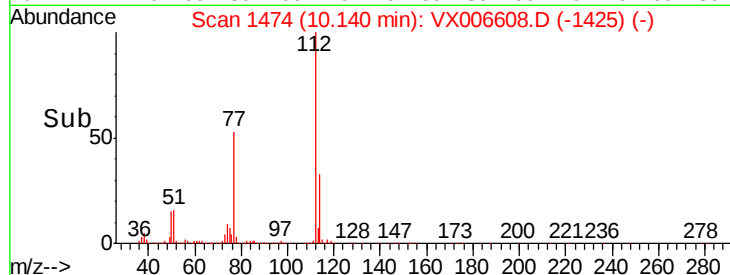
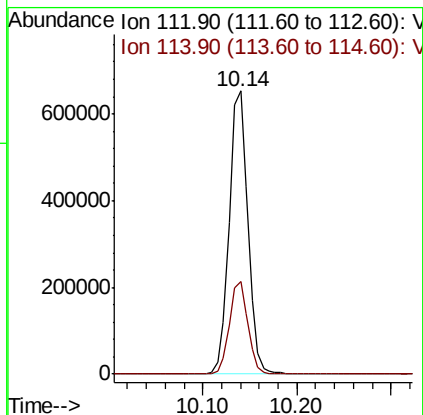
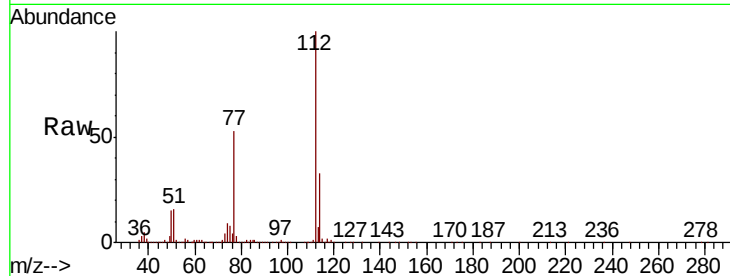
Ion Ratio Lower Upper

112 100

114 32.8 25.4 38.2

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#66

1,1,1,2-Tetrachloroethane

Concen: 51.136 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

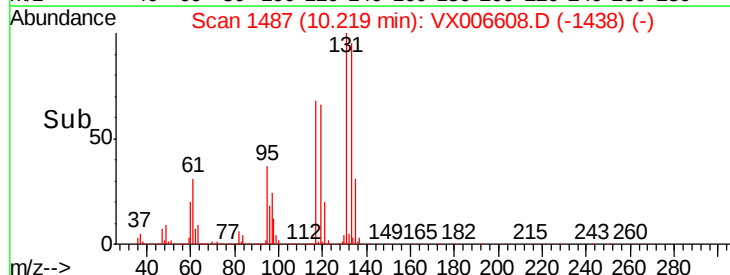
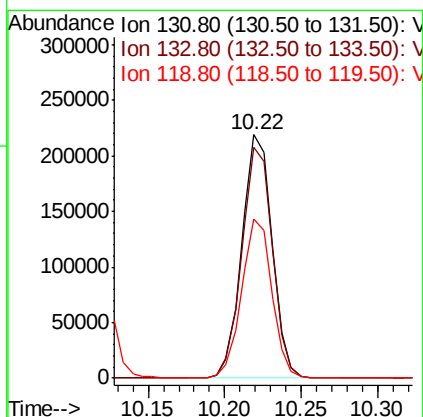
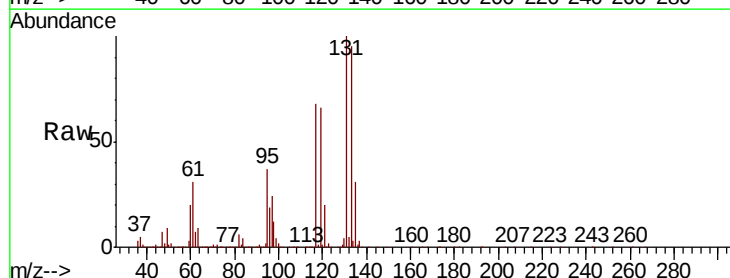
Tgt Ion:131 Resp: 301082

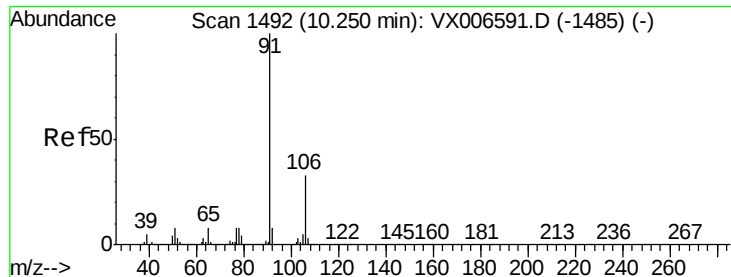
Ion Ratio Lower Upper

131 100

133 95.4 48.1 144.4

119 65.1 32.1 96.3





#67

Ethyl Benzene

Concen: 48.074 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1482465

Ion Ratio Lower Upper

91 100

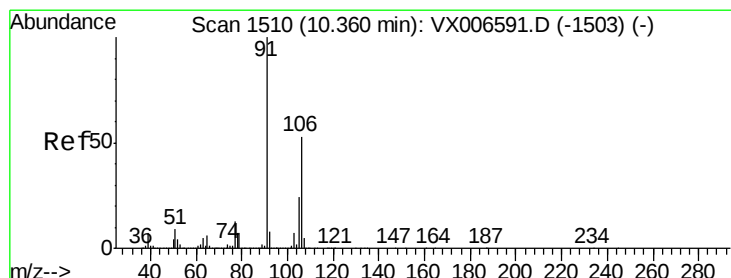
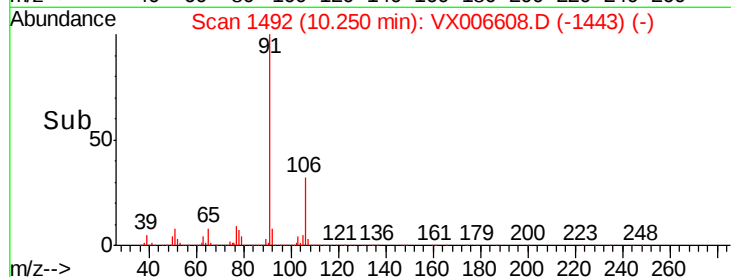
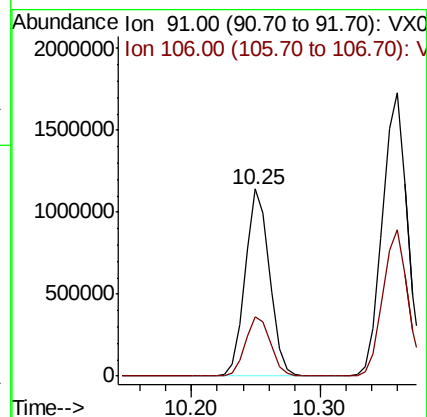
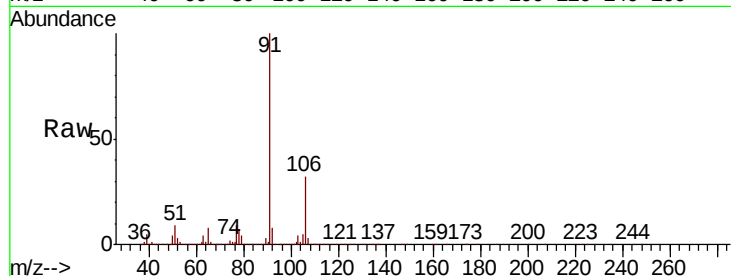
106 31.8 26.5 39.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 97.436 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006608.D

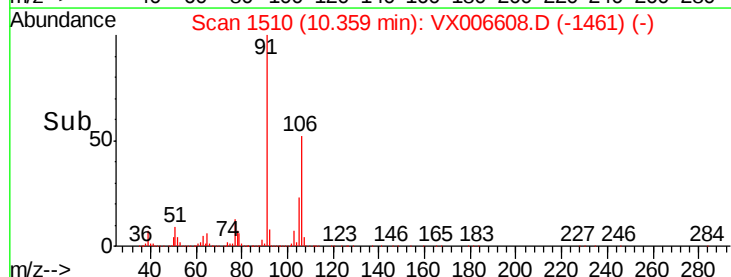
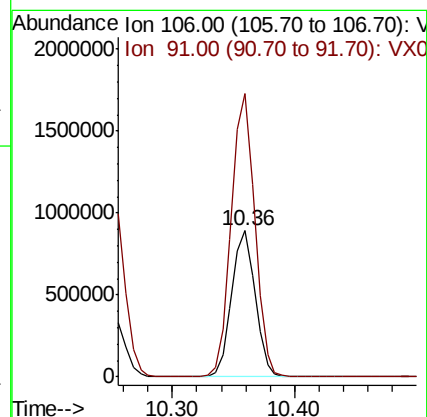
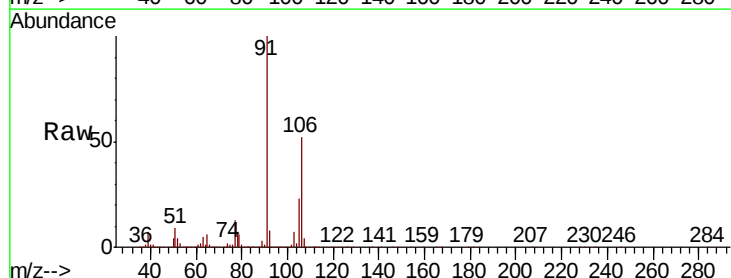
Acq: 18 Dec 2018 19:51

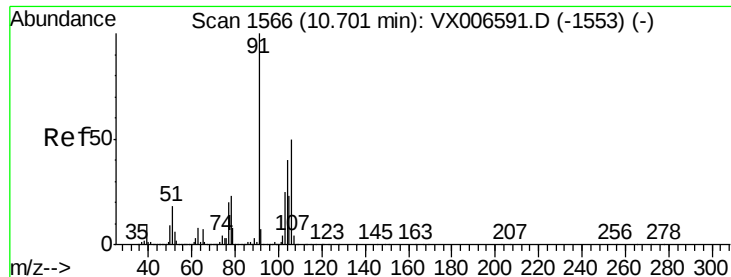
Tgt Ion: 106 Resp: 1185620

Ion Ratio Lower Upper

106 100

91 194.0 155.2 232.8





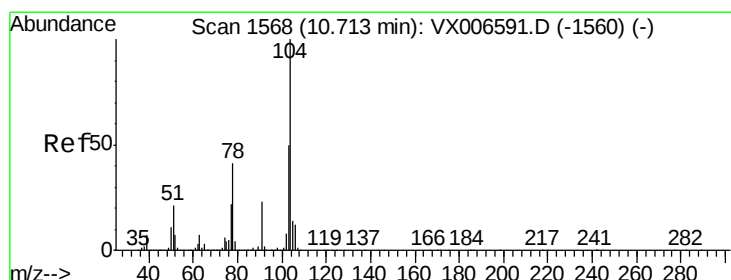
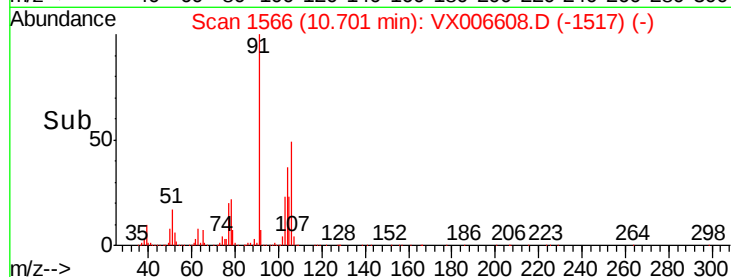
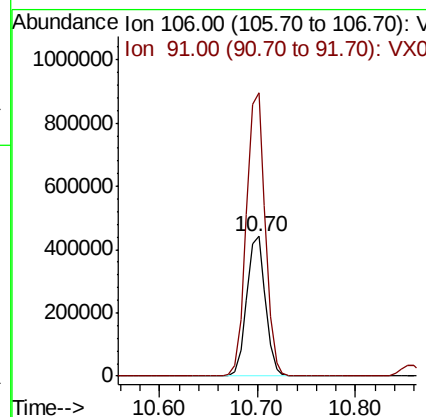
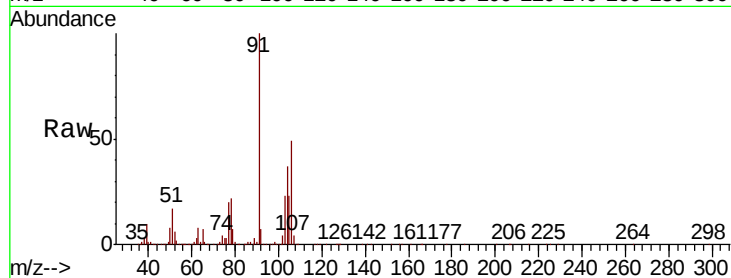
#69
o-Xylene
Concen: 48.835 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	203.8	101.8	305.6

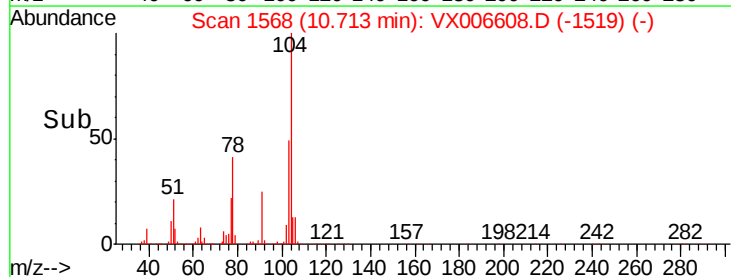
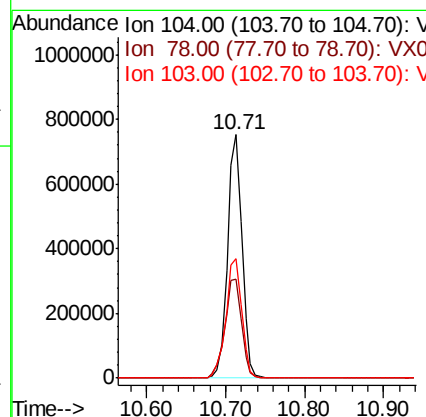
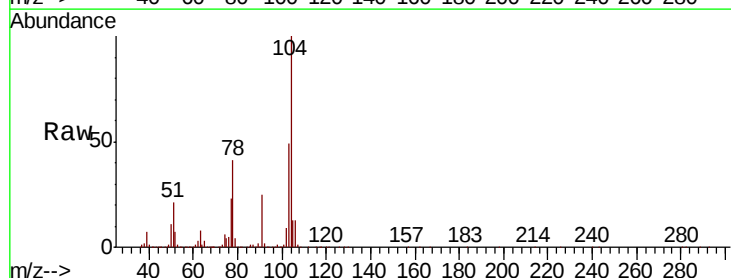
Manual Integrations
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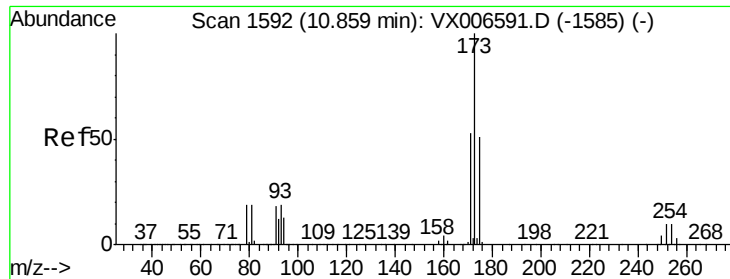
MMDadoda
12/19/2018 11:22:41 AM



#70
Styrene
Concen: 50.447 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.2	37.2	55.8
103	54.4	43.5	65.3





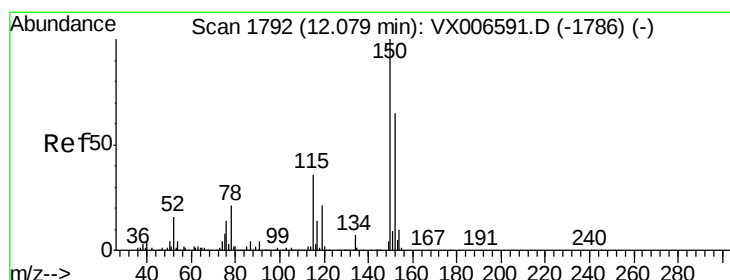
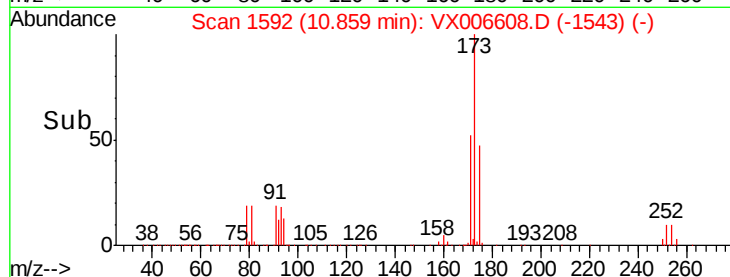
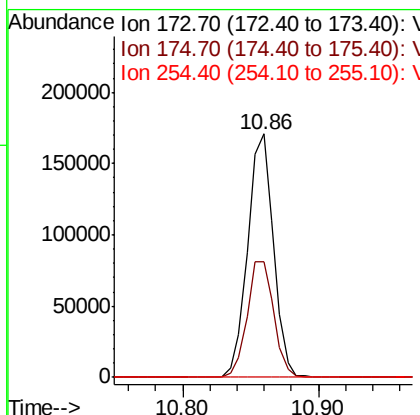
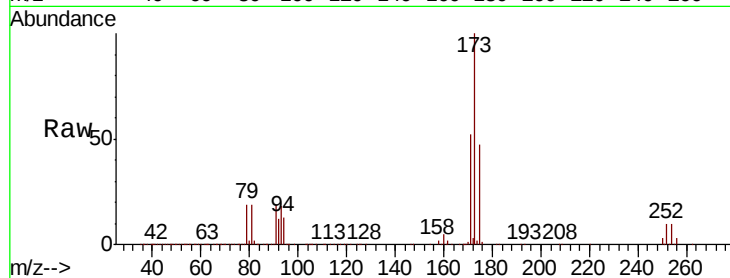
#71
Bromoform
Concen: 43.299 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	73.8
254	0.1	0.2	0.2#

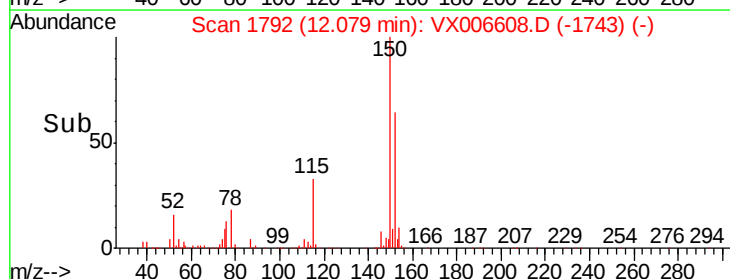
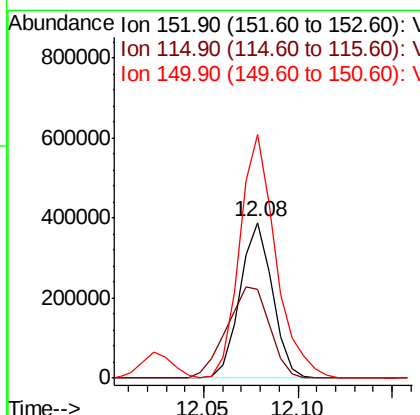
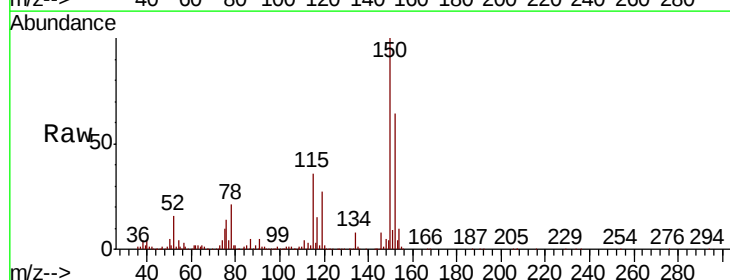
Manual Integrations
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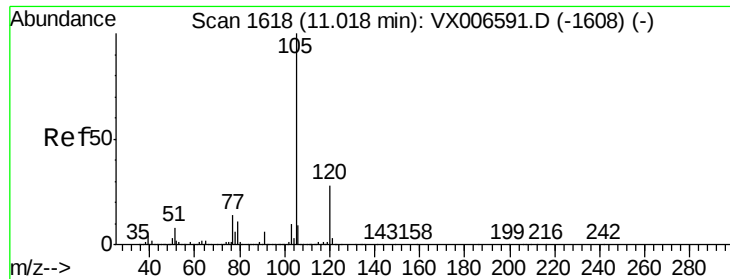
MMDadoda
12/19/2018 11:22:41 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.9	39.0	116.9
150	174.1	0.0	345.8





#73

Isopropylbenzene

Concen: 48.899 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1551197

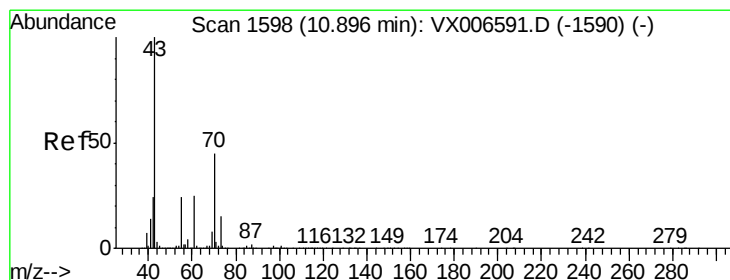
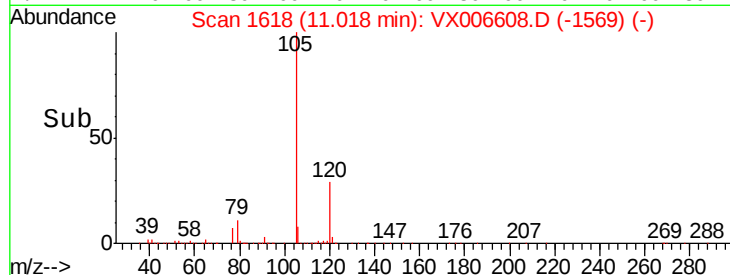
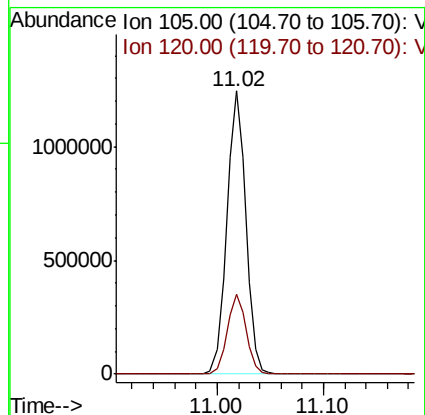
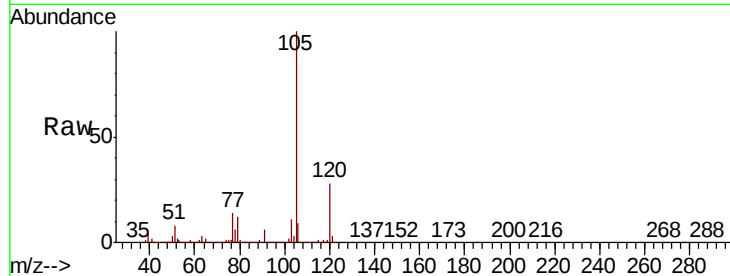
Ion Ratio Lower Upper

105 100

120 28.1 14.1 42.3

Manual Integrations
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12/19/2018 11:22:41 AM



#74

N-ethyl acetate

Concen: 51.257 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Tgt Ion: 43 Resp: 582012

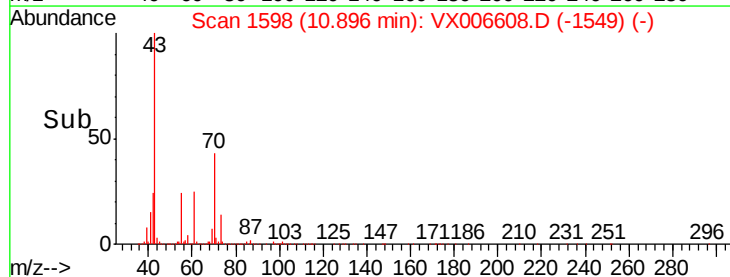
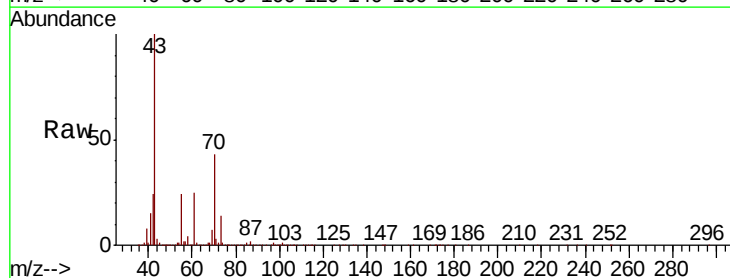
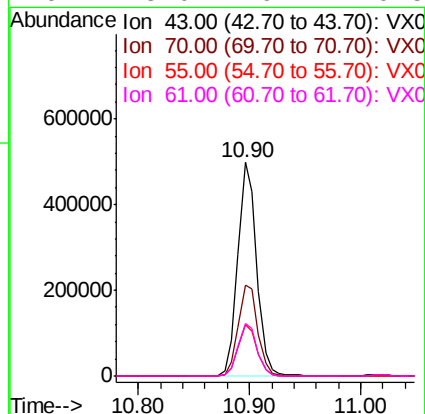
Ion Ratio Lower Upper

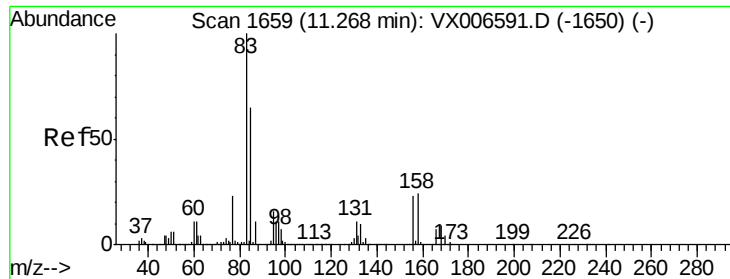
43 100

70 44.4 34.1 51.1

55 24.3 17.8 26.8

61 25.0 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.896 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 470727

Ion Ratio Lower Upper

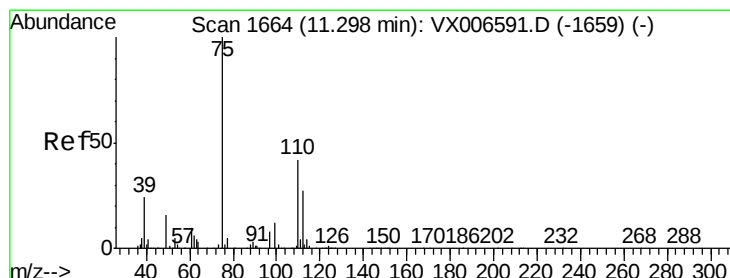
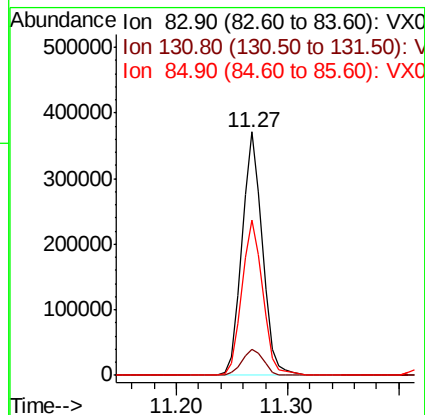
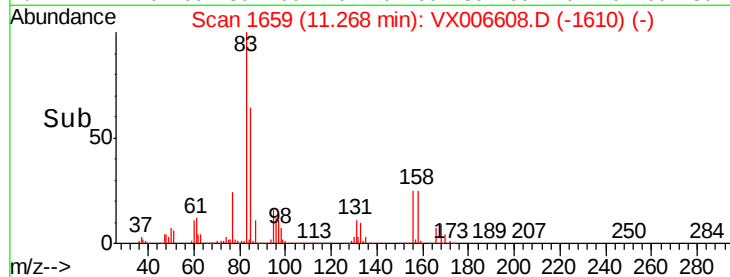
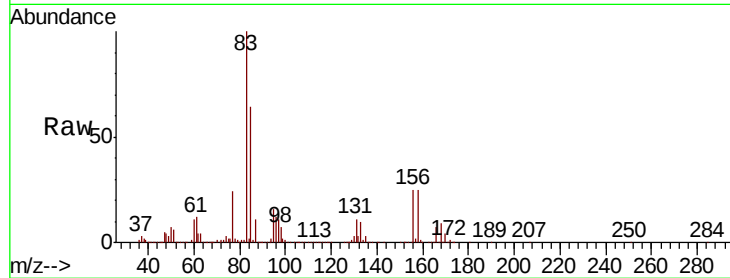
83 100

131 11.4 5.7 17.1

85 65.2 32.1 96.5

Manual Integrations
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12/19/2018 11:22:41 AM



#76

1,2,3-Trichloropropane

Concen: 53.712 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006608.D

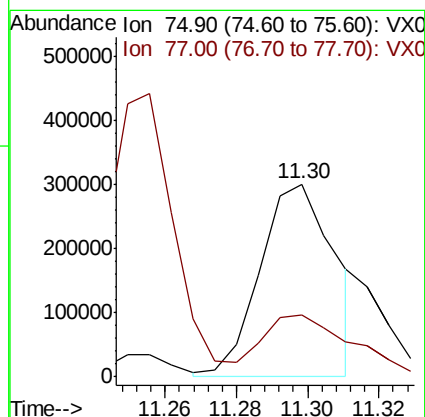
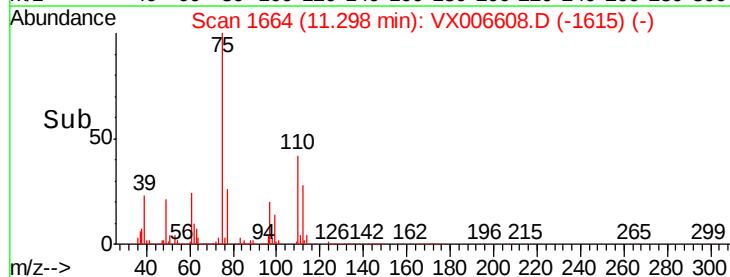
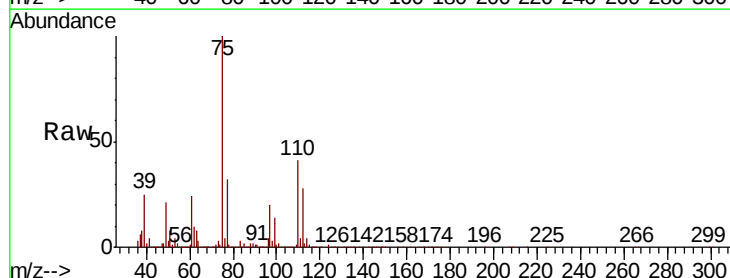
Acq: 18 Dec 2018 19:51

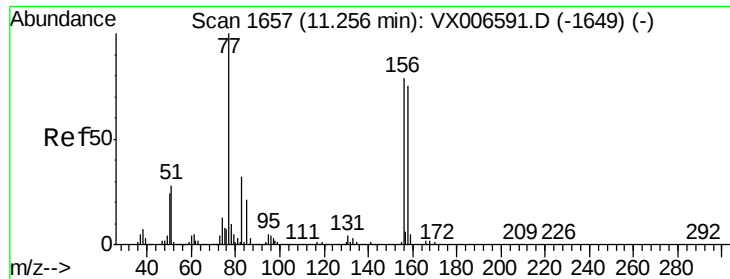
Tgt Ion: 75 Resp: 436514

Ion Ratio Lower Upper

75 100

77 38.2 19.9 59.7





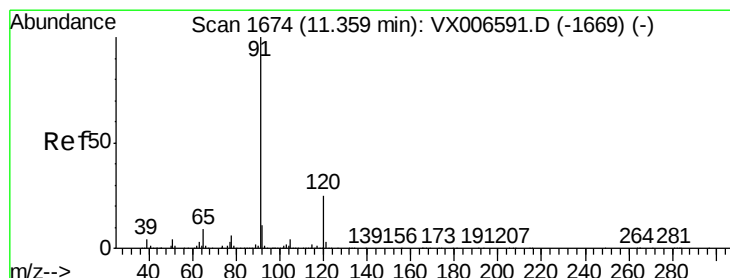
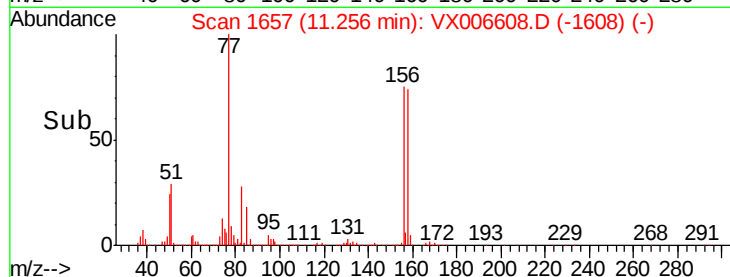
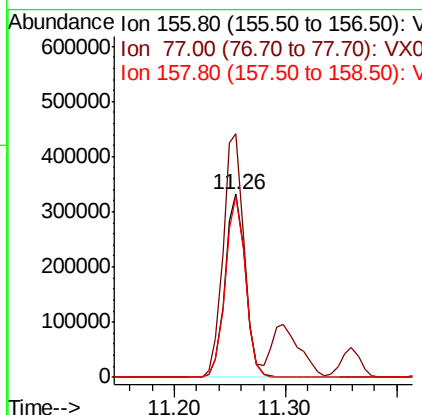
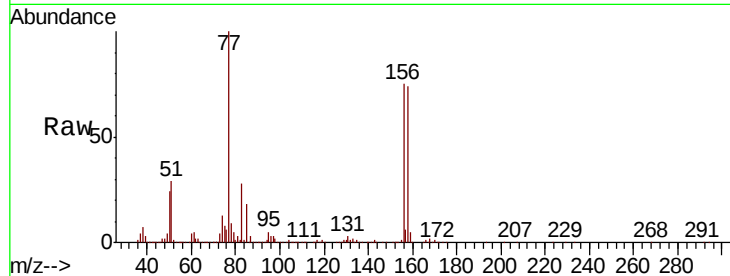
#77
Bromobenzene
Concen: 48.915 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	136.8	66.2	198.6
158	97.4	48.8	146.4

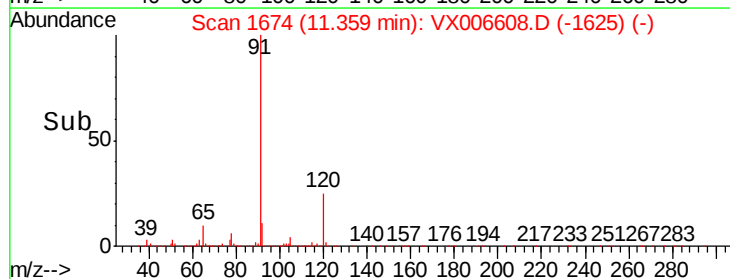
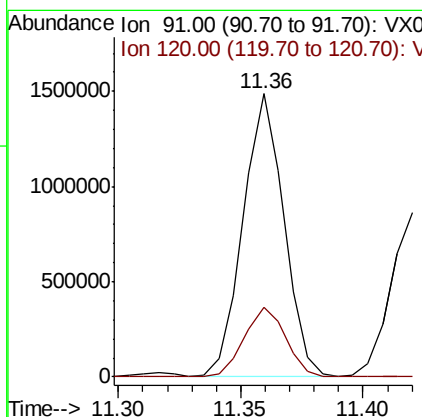
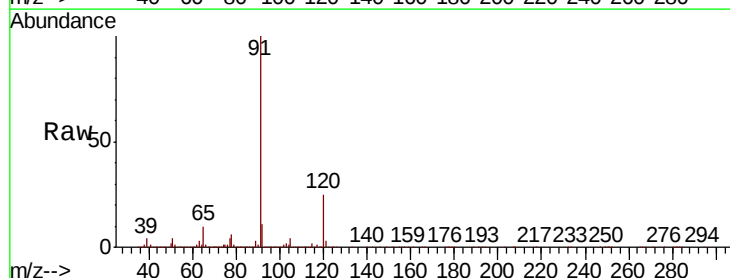
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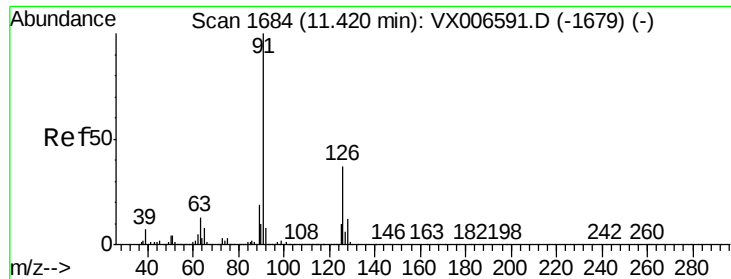
MMDadoda
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#78
n-propylbenzene
Concen: 49.306 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.2	12.7	38.0





#79

2-Chlorotoluene

Concen: 48.735 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1031689

Ion Ratio Lower Upper

91 100

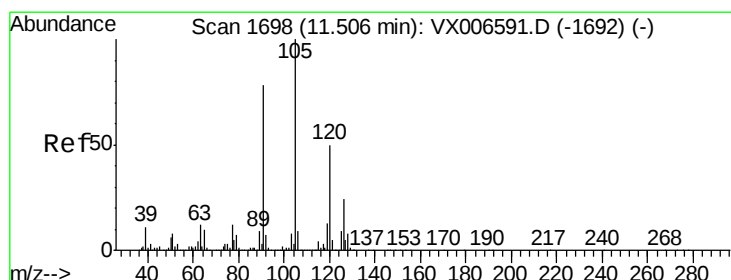
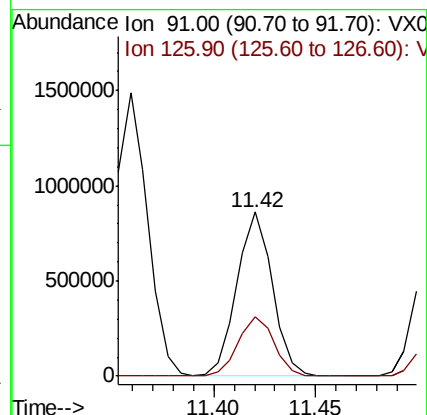
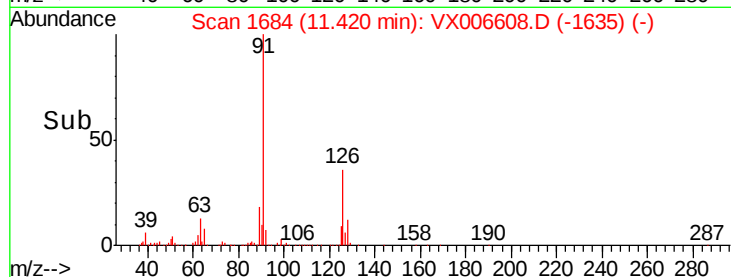
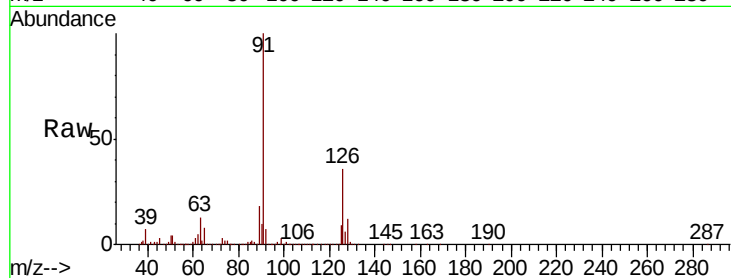
126 37.2 18.6 56.0

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#80

1,3,5-Trimethylbenzene

Concen: 49.622 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006608.D

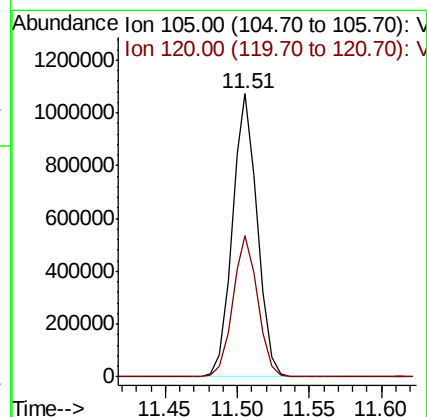
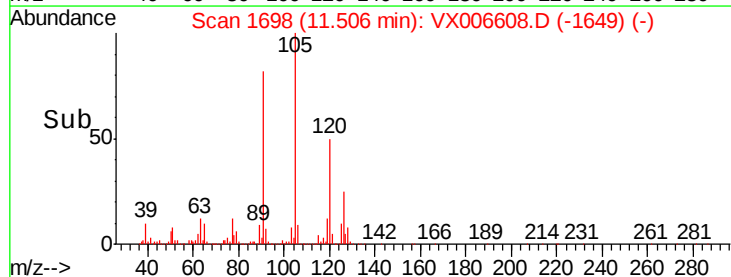
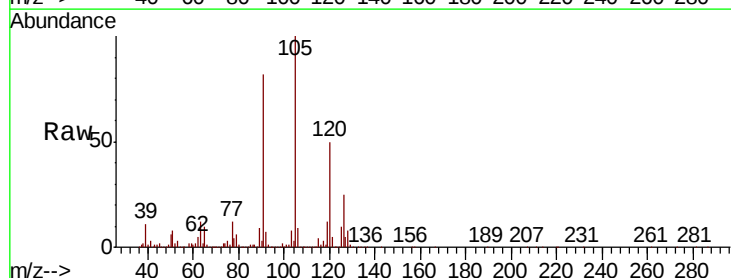
Acq: 18 Dec 2018 19:51

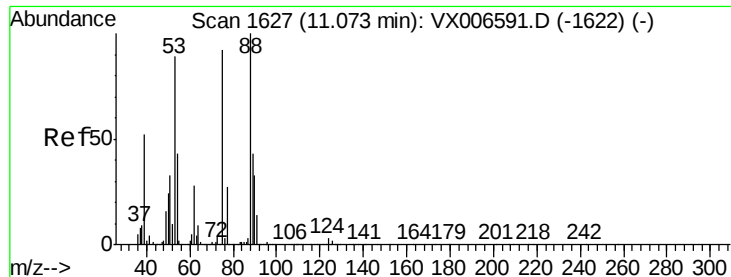
Tgt Ion:105 Resp: 1296542

Ion Ratio Lower Upper

105 100

120 49.8 25.4 76.0





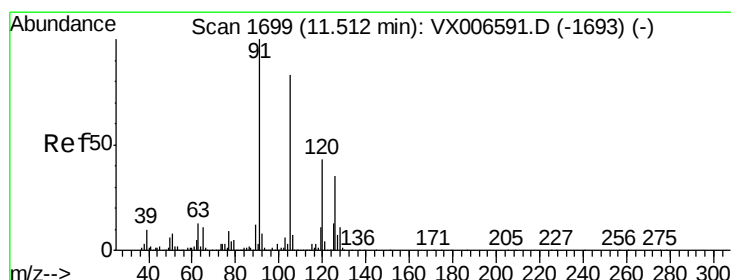
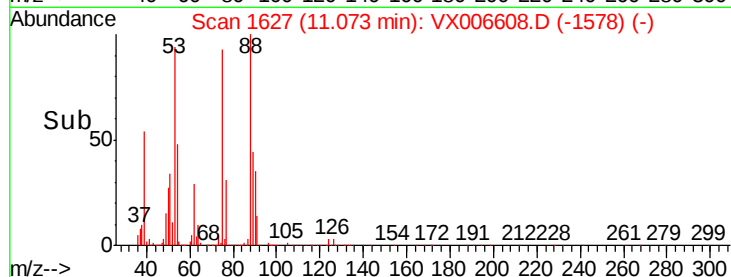
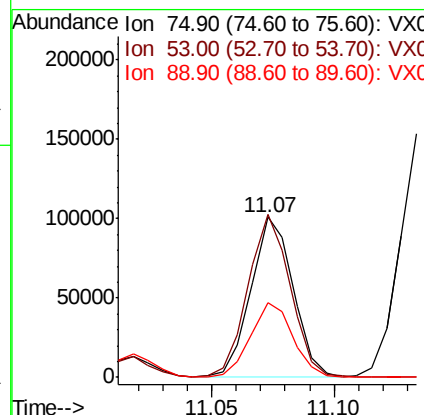
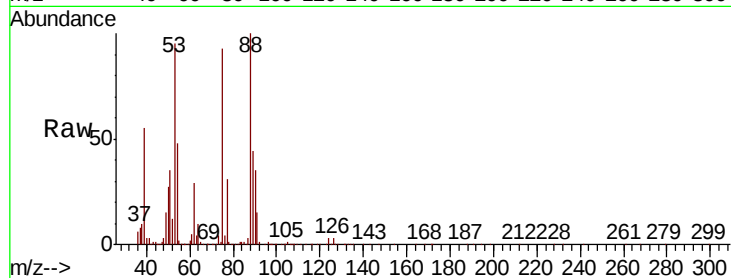
#81
trans-1,4-Dichloro-2-butene
Concen: 43.401 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.6	64.4	96.6#
89	47.2	44.2	66.4

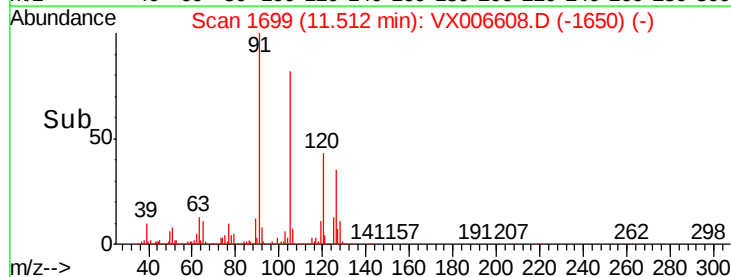
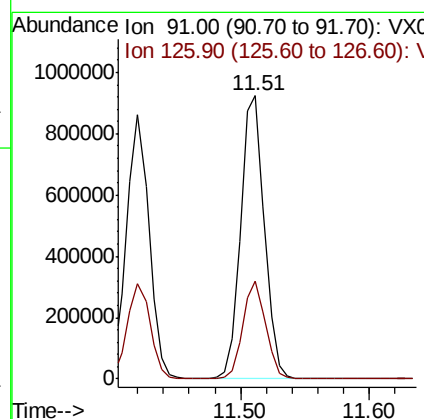
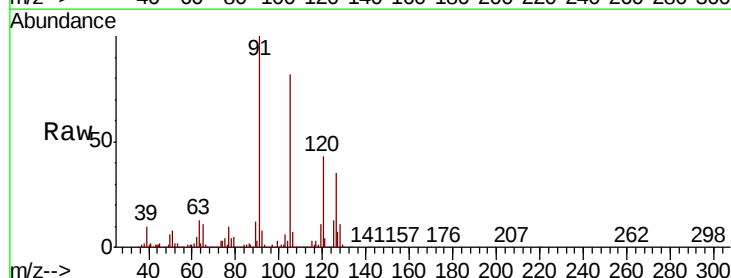
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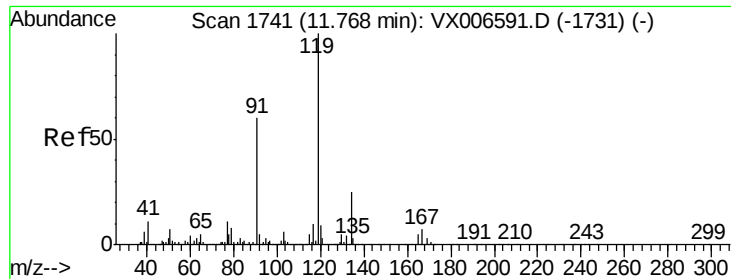
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#82
4-Chlorotoluene
Concen: 48.587 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.4





#83

tert-Butylbenzene

Concen: 50.086 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 1309775

Ion Ratio Lower Upper

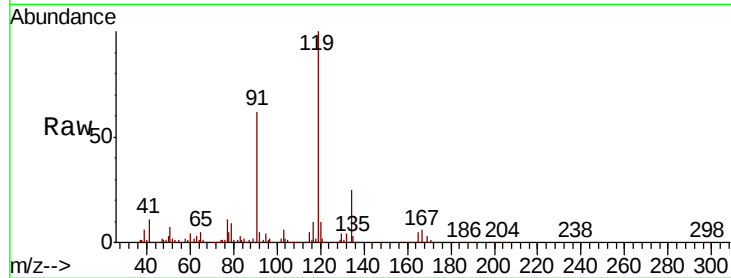
119 100

91 55.6 26.4 79.2

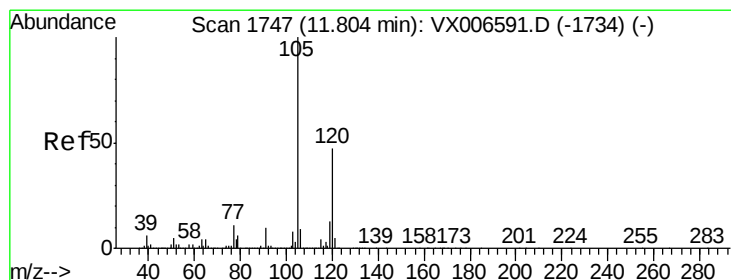
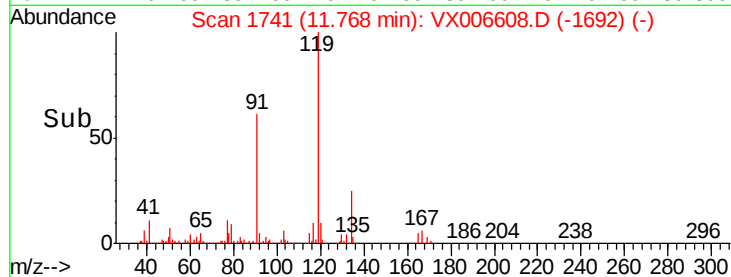
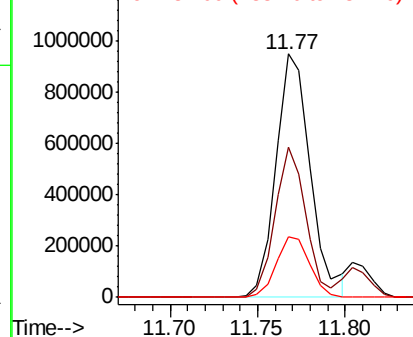
134 24.2 11.6 34.7

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.438 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX006608.D

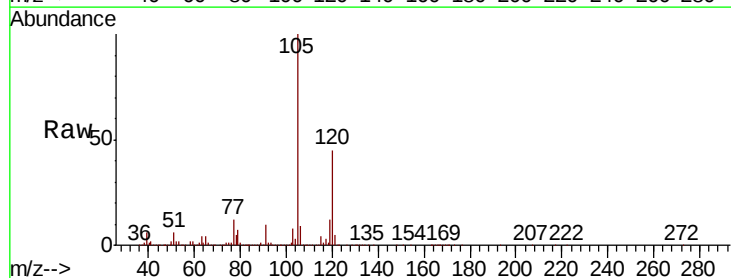
Acq: 18 Dec 2018 19:51

Tgt Ion:105 Resp: 1331217

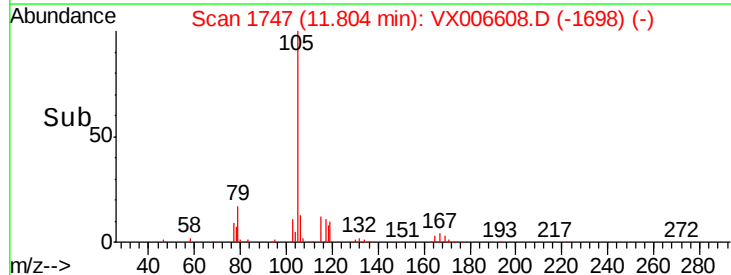
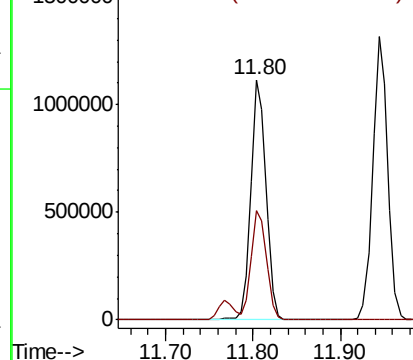
Ion Ratio Lower Upper

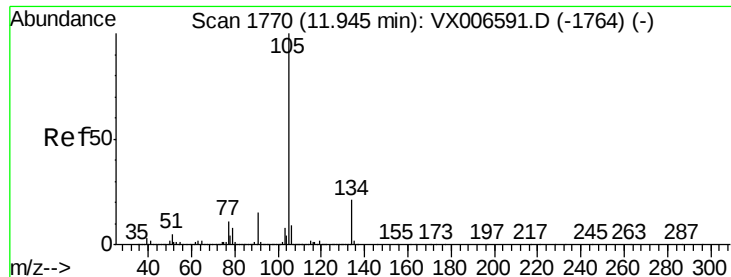
105 100

120 45.8 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.314 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1581123

Ion Ratio Lower Upper

105 100

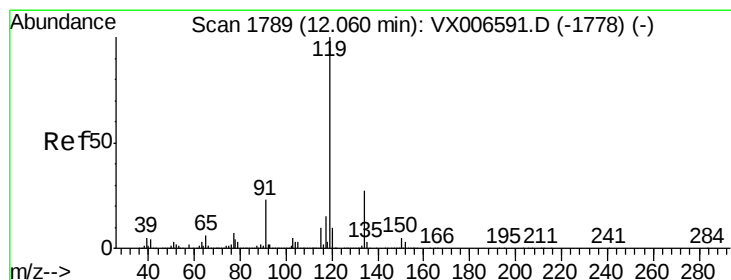
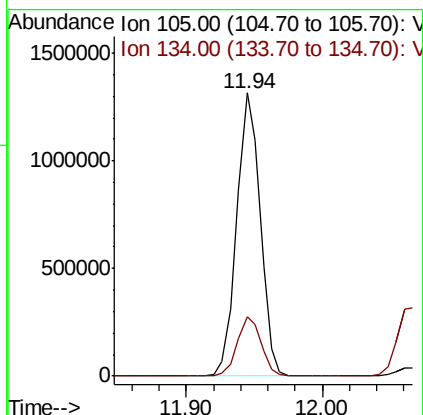
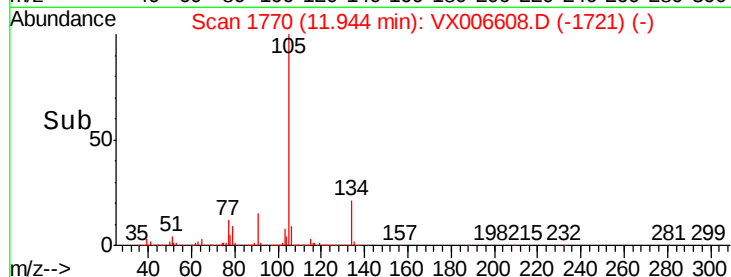
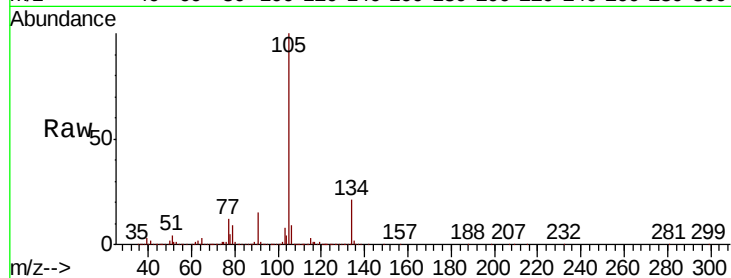
134 21.4 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 50.141 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

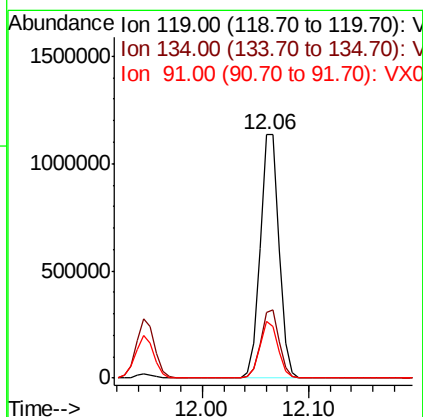
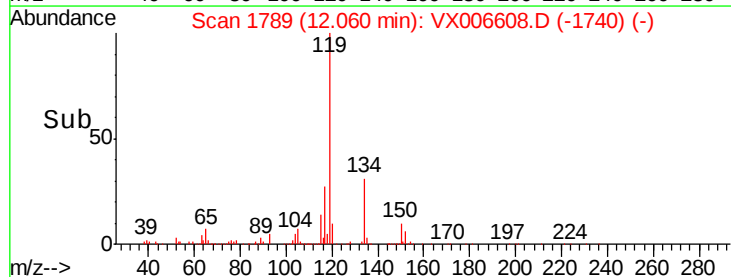
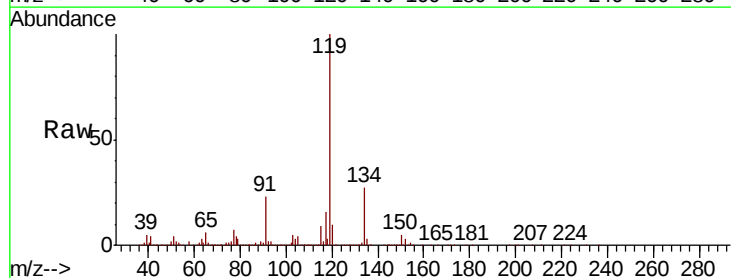
Tgt Ion:119 Resp: 1413152

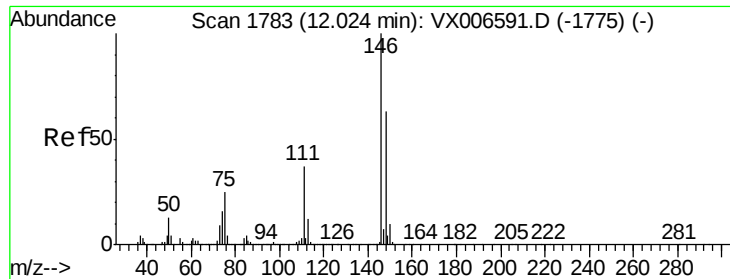
Ion Ratio Lower Upper

119 100

134 27.6 13.9 41.6

91 22.4 11.3 33.8





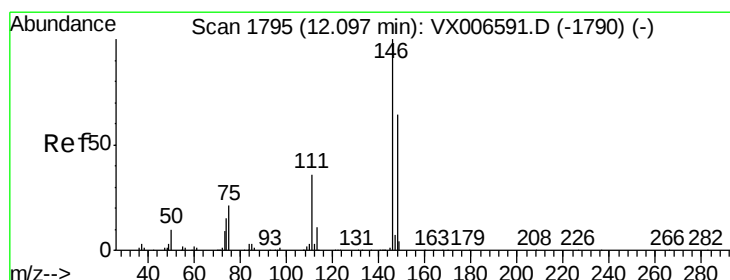
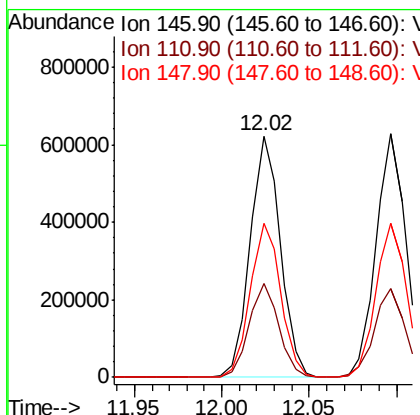
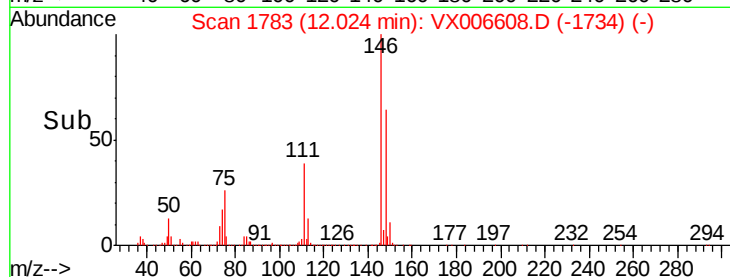
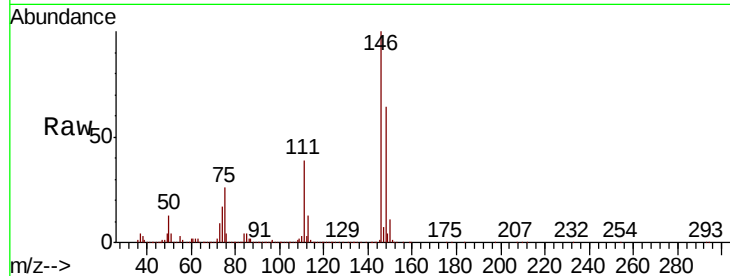
#87
 1,3-Dichlorobenzene
 Concen: 48.510 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.4	55.2
148	64.2	32.0	96.0

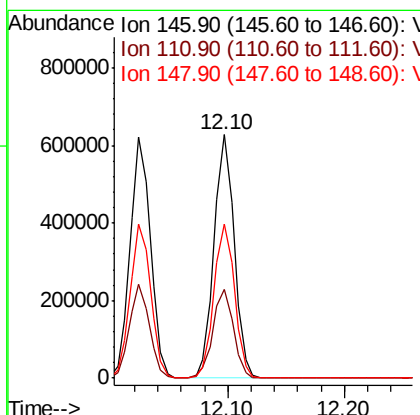
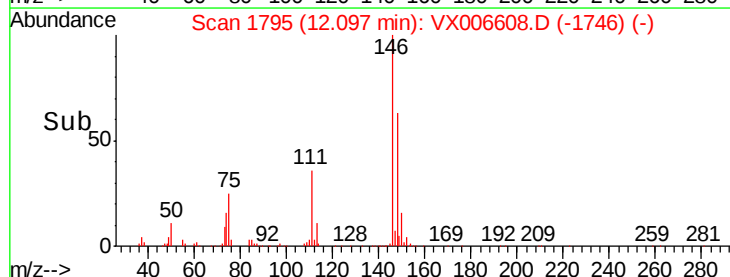
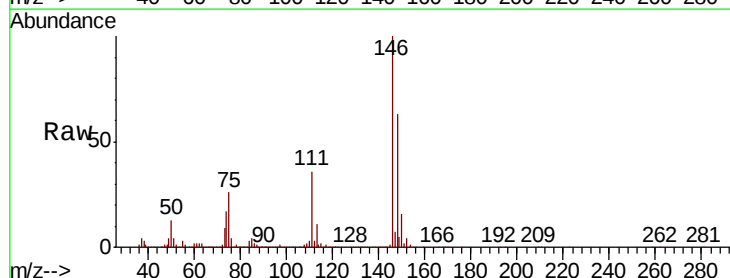
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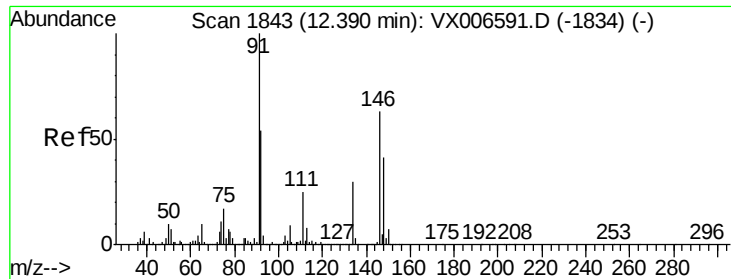
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#88
 1,4-Dichlorobenzene
 Concen: 47.076 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.3	54.8
148	64.6	31.9	95.9





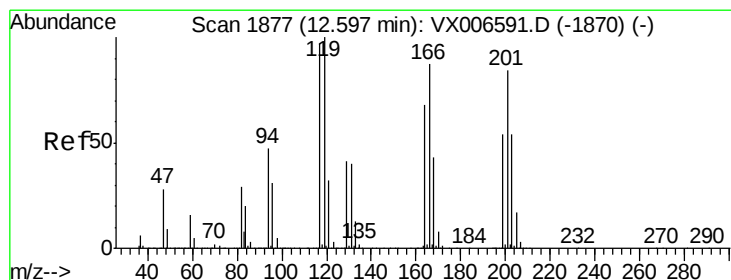
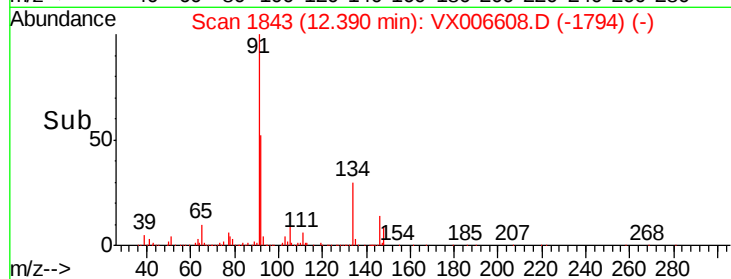
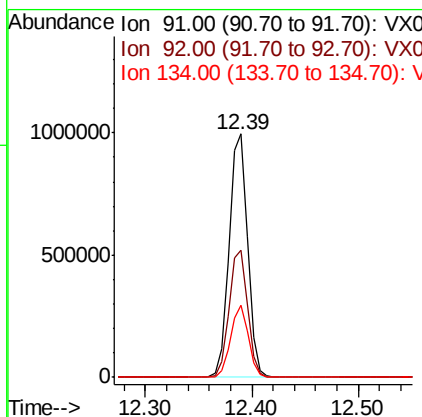
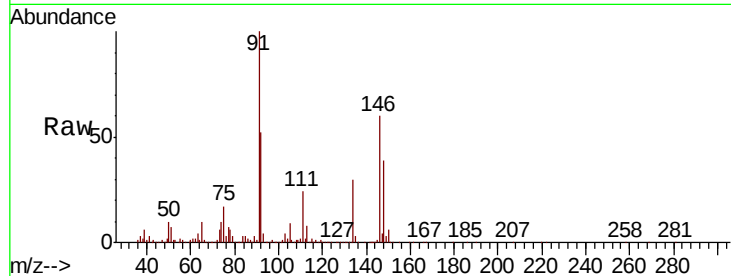
#89
n-Butylbenzene
Concen: 50.496 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.6	79.8
134	28.7	14.8	44.3

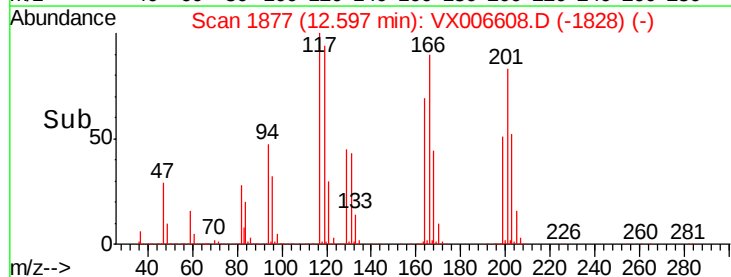
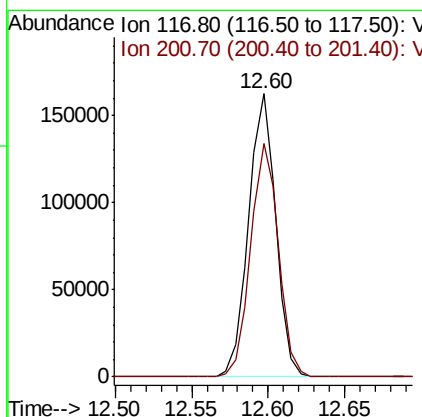
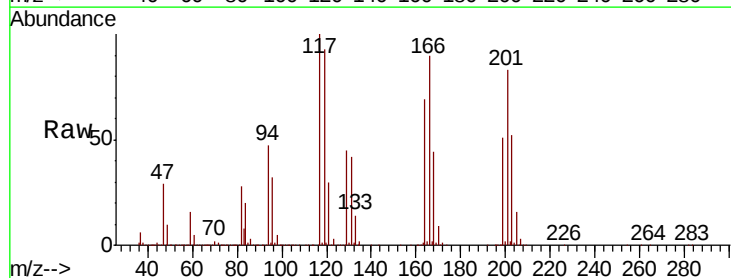
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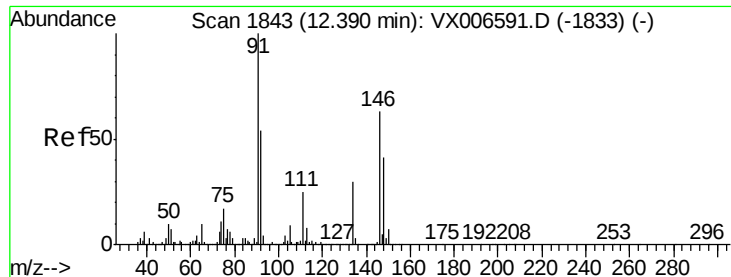
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#90
Hexachloroethane
Concen: 45.744 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006608.D
Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.5	44.7	134.1





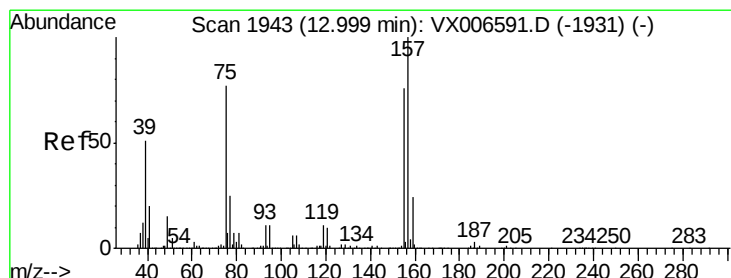
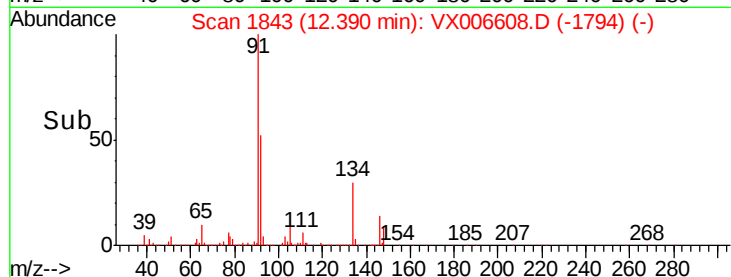
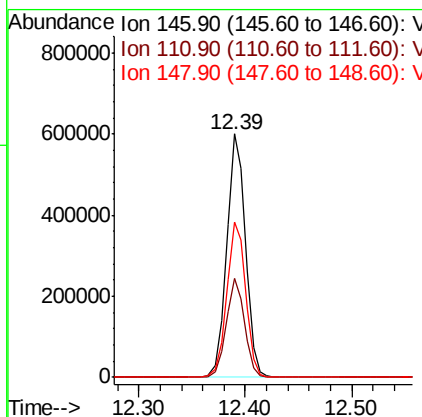
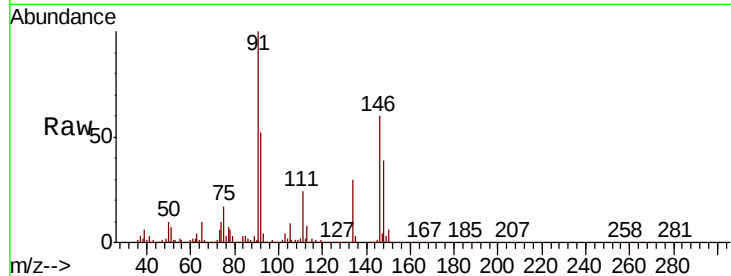
#91
 1,2-Dichlorobenzene
 Concen: 47.806 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.1	57.3
148	64.2	32.1	96.3

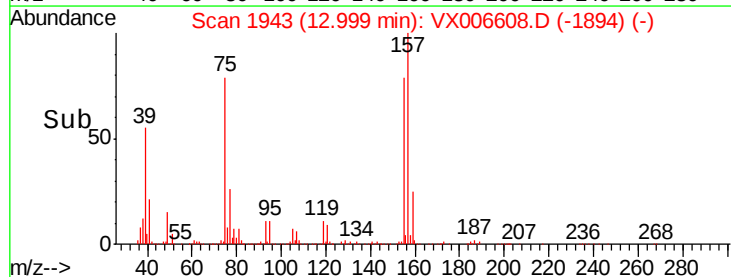
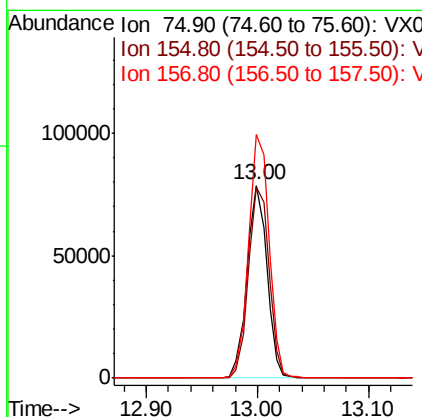
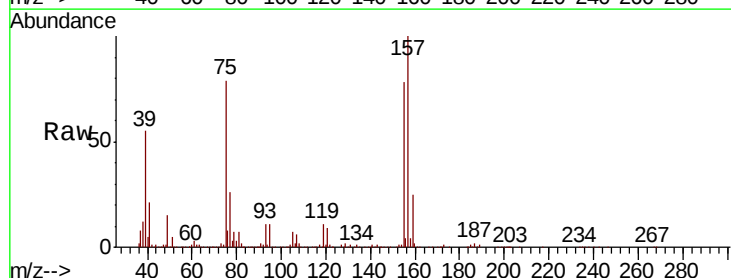
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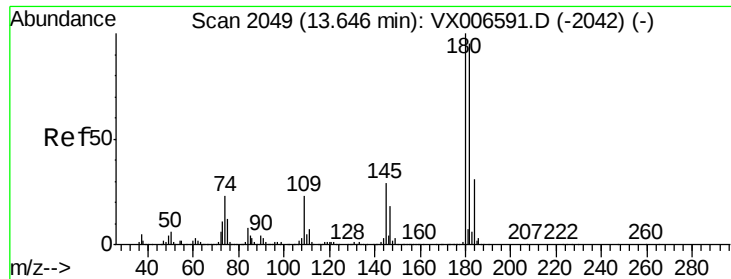
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.616 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.1	53.4	160.3
157	129.3	68.0	203.8





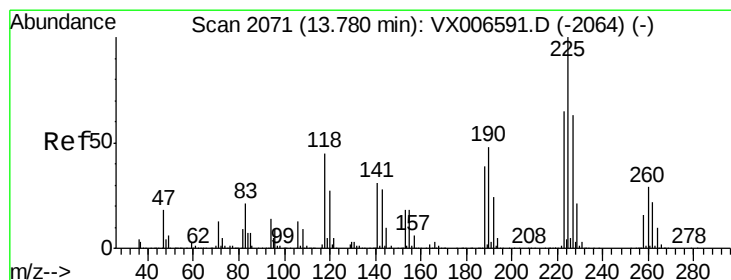
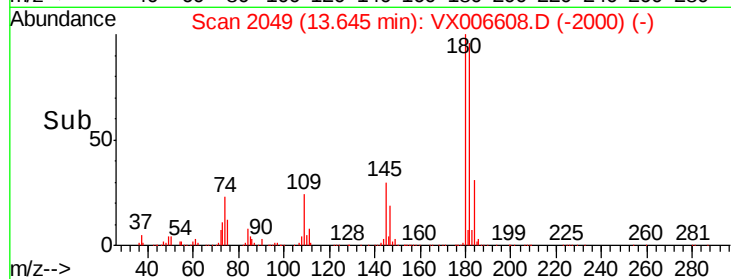
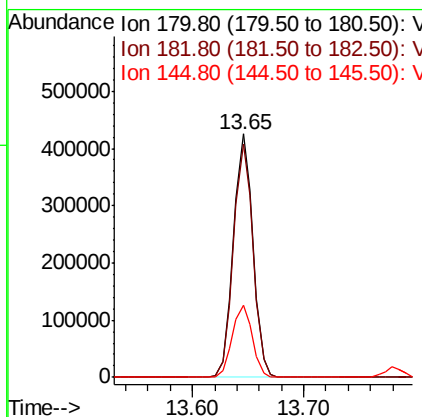
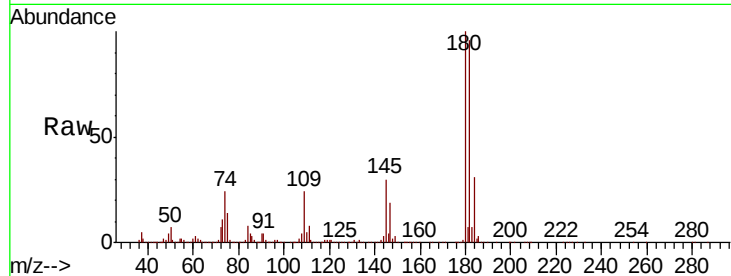
#93
 1,2,4-Trichlorobenzene
 Concen: 48.375 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.3	141.9
145	30.5	14.6	43.8

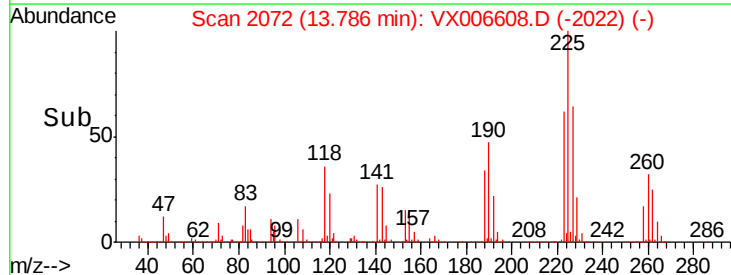
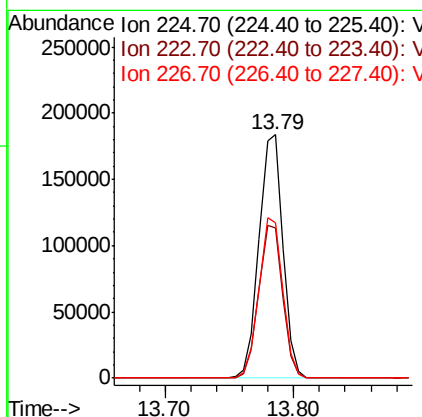
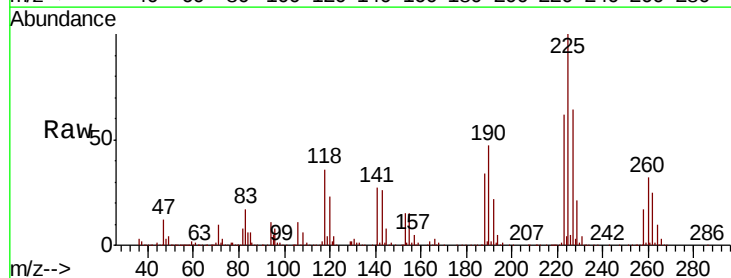
Manual Integrations
 APPROVED

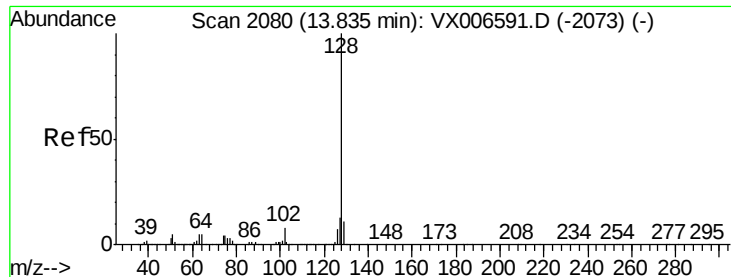
MMDadoda
 12/19/2018 11:22:41 AM



#94
 Hexachlorobutadiene
 Concen: 46.523 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VX006608.D
 Acq: 18 Dec 2018 19:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.2	93.6
227	65.2	31.9	95.5





#95

Naphthalene

Concen: 48.777 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1660390

Ion Ratio Lower Upper

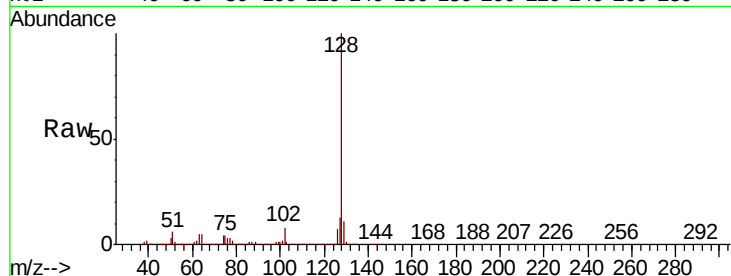
128 100

127 13.0 10.2 15.4

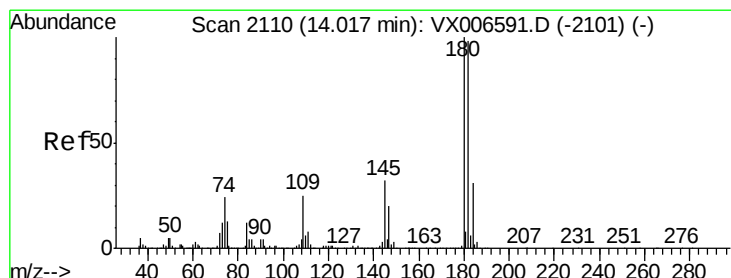
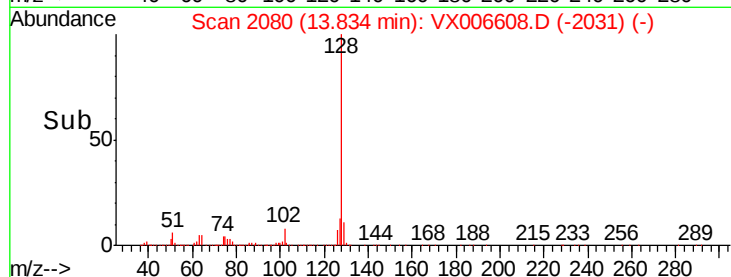
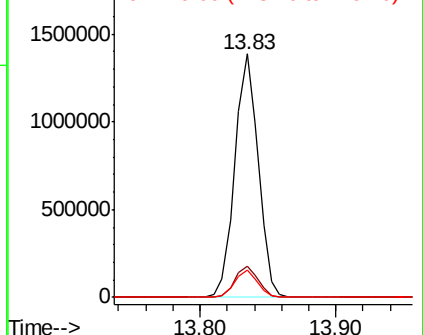
129 10.9 8.9 13.3

Manual Integrations
APPROVED

MMDadoda
12/19/2018 11:22:41 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: 47.791 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX006608.D

Acq: 18 Dec 2018 19:51

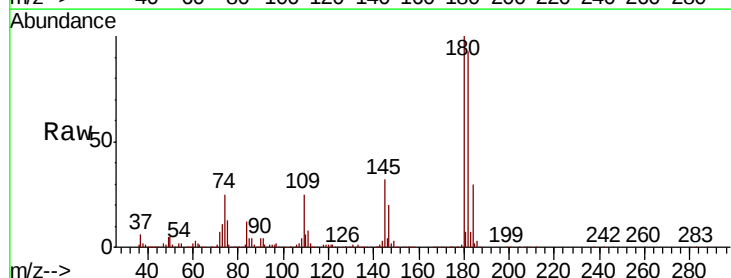
Tgt Ion:180 Resp: 526281

Ion Ratio Lower Upper

180 100

182 94.6 48.4 145.2

145 31.6 15.6 46.8



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

