

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121918\
 Data File : VX006660.D
 Acq On : 20 Dec 2018 01:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 10:00:55 AM

Quant Time: Dec 20 05:05:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	593064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	913409	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	845673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	437427	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	296273	46.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.70%	
35) Dibromofluoromethane	5.50	113	269148	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
50) Toluene-d8	8.71	98	1026254	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
62) 4-Bromofluorobenzene	11.13	95	382243	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	252204	46.485	ug/l	99
3) Chloromethane	1.33	50	285212	48.795	ug/l	99
4) Vinyl Chloride	1.41	62	300055	49.151	ug/l	96
5) Bromomethane	1.64	94	299322	52.642	ug/l	97
6) Chloroethane	1.72	64	193133	45.690	ug/l	96
7) Trichlorofluoromethane	1.93	101	465858	48.946	ug/l	98
8) Diethyl Ether	2.19	74	179613	47.512	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	264641	47.356	ug/l	99
10) Methyl Iodide	2.51	142	433225	54.157	ug/l	100
11) Tert butyl alcohol	3.07	59	362307	253.988	ug/l	100
12) 1,1-Dichloroethene	2.37	96	262421	49.524	ug/l	98
13) Acrolein	2.29	56	211358	219.637	ug/l	99
14) Allyl chloride	2.73	41	436277	48.914	ug/l	99
15) Acrylonitrile	3.15	53	811229	256.133	ug/l	100
16) Acetone	2.45	43	655791	223.317	ug/l	98
17) Carbon Disulfide	2.57	76	644249	45.943	ug/l	99
18) Methyl Acetate	2.78	43	451760	52.318	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	898027	51.062	ug/l	99
20) Methylene Chloride	2.86	84	289241	47.632	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	278421	47.422	ug/l	100
22) Diisopropyl ether	3.87	45	833625	51.089	ug/l	92
23) Vinyl Acetate	3.82	43	3396665	254.490	ug/l	100
24) 1,1-Dichloroethane	3.70	63	472458	48.504	ug/l	99
25) 2-Butanone	4.70	43	1007174	243.828	ug/l	100
26) 2,2-Dichloropropane	4.59	77	302083	40.148	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	318728	49.204	ug/l	98
28) Bromochloromethane	5.02	49	218514	53.341	ug/l	99
29) Tetrahydrofuran	5.15	42	687323	252.637	ug/l	99
30) Chloroform	5.21	83	503038	49.870	ug/l	99
31) Cyclohexane	5.57	56	420749	47.547	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	429693	50.450	ug/l	99
36) 1,1-Dichloropropene	5.80	75	372039	49.178	ug/l	100
37) Ethyl Acetate	4.85	43	389835	49.510	ug/l	99
38) Carbon Tetrachloride	5.78	117	368432	50.112	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	460665	46.253	ug/l	97
40) Benzene	6.14	78	1138142	49.494	ug/l	98
41) Methacrylonitrile	5.06	41	216957	51.898	ug/l	98
42) 1,2-Dichloroethane	6.20	62	378606	48.317	ug/l	100
43) Isopropyl Acetate	6.46	43	634976	53.001	ug/l	99
44) Trichloroethene	7.21	130	339959	48.845	ug/l	97
45) 1,2-Dichloropropane	7.51	63	282308	50.449	ug/l	100
46) Dibromomethane	7.66	93	202681	49.241	ug/l	98
47) Bromodichloromethane	7.90	83	348469	50.993	ug/l	98
48) Methyl methacrylate	7.77	41	328830	53.973	ug/l	99
49) 1,4-Dioxane	7.75	88	166194	1043.449	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2041325	267.790	ug/l	99
52) Toluene	8.79	92	753759	50.737	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	375781	51.273	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	422921	52.590	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	308222	50.687	ug/l	97
56) Ethyl methacrylate	9.18	69	459325	53.444	ug/l	99
57) 1,3-Dichloropropane	9.37	76	489976	50.082	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1185245	259.436	ug/l	100
59) 2-Hexanone	9.49	43	1528732	262.111	ug/l	100
60) Dibromochloromethane	9.58	129	305669	48.152	ug/l	98
61) 1,2-Dibromoethane	9.67	107	333642	51.614	ug/l	100
64) Tetrachloroethene	9.34	164	333529	49.807	ug/l	98
65) Chlorobenzene	10.14	112	876043	48.966	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	298938	53.555	ug/l	99
67) Ethyl Benzene	10.25	91	1456216	49.811	ug/l	100
68) m/p-Xylenes	10.36	106	1165935	101.069	ug/l	98
69) o-Xylene	10.70	106	566414	49.722	ug/l	97
70) Styrene	10.71	104	925238	51.339	ug/l	100
71) Bromoform	10.86	173	224003	44.981	ug/l	99
73) Isopropylbenzene	11.02	105	1504757	50.284	ug/l	100
74) N-amyl acetate	10.90	43	580346	54.180	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	456337	51.275	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	422712m	51.999	ug/l	
77) Bromobenzene	11.26	156	409288	50.589	ug/l	99
78) n-propylbenzene	11.36	91	1670871	50.704	ug/l	100
79) 2-Chlorotoluene	11.42	91	990570	49.602	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1244329	50.483	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	110584	42.127	ug/l	97
82) 4-Chlorotoluene	11.51	91	1154107	50.382	ug/l	100
83) tert-Butylbenzene	11.77	119	1241812	50.339	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1277637	49.280	ug/l	99
85) sec-Butylbenzene	11.94	105	1524721	50.411	ug/l	100
86) p-Isopropyltoluene	12.06	119	1363441	51.282	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	724917	49.717	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	723969	48.434	ug/l	100
89) n-Butylbenzene	12.39	91	1148254	50.747	ug/l	99
90) Hexachloroethane	12.60	117	200315	48.263	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	717304	49.178	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	92928	50.463	ug/l	97

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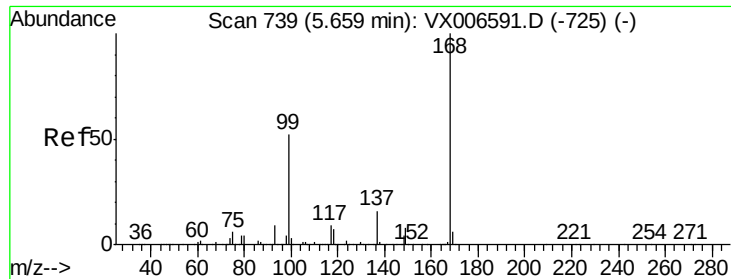
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	505905	50.282	ug/l	99
94) Hexachlorobutadiene	13.78	225	223508	47.130	ug/l	100
95) Naphthalene	13.83	128	1601501	49.872	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	510257	49.119	ug/l	98

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



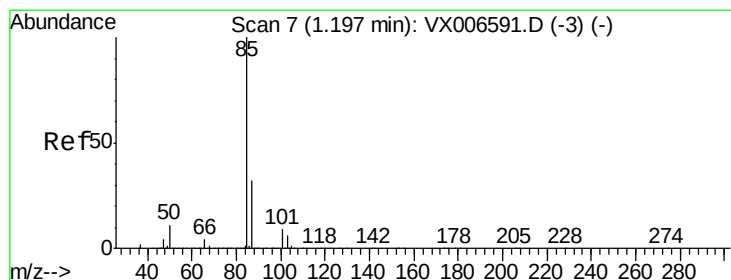
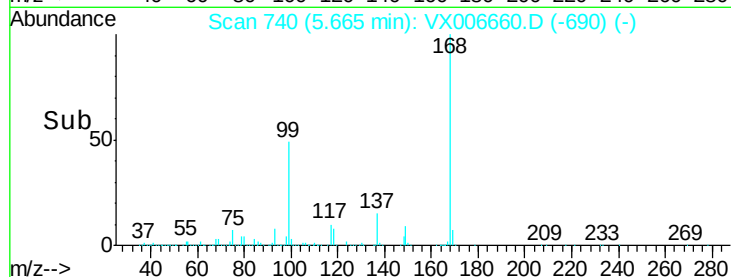
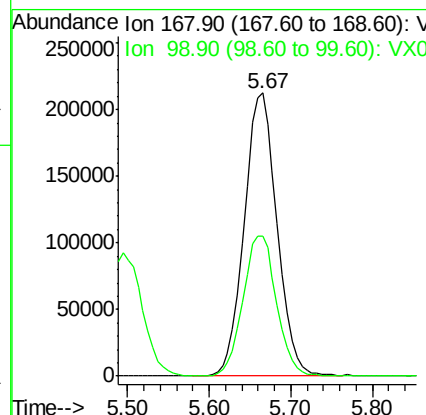
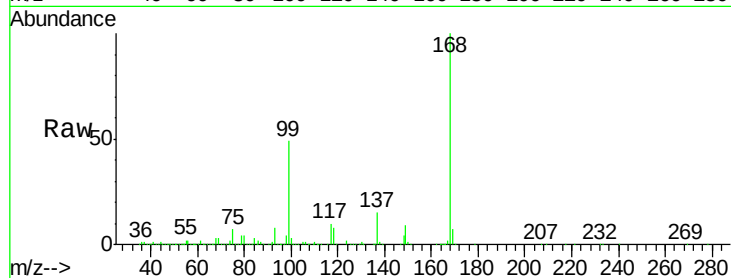
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.2	41.8	62.8

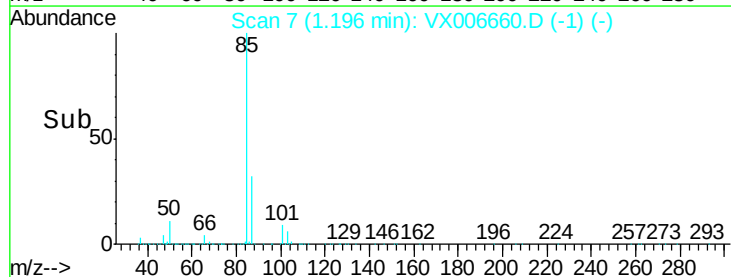
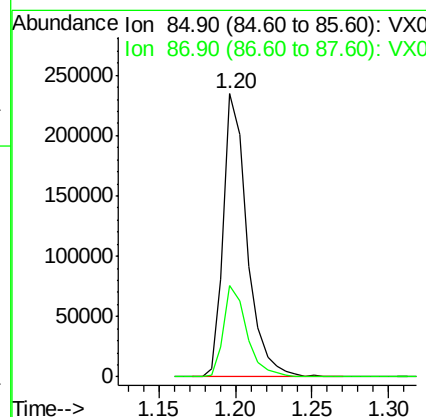
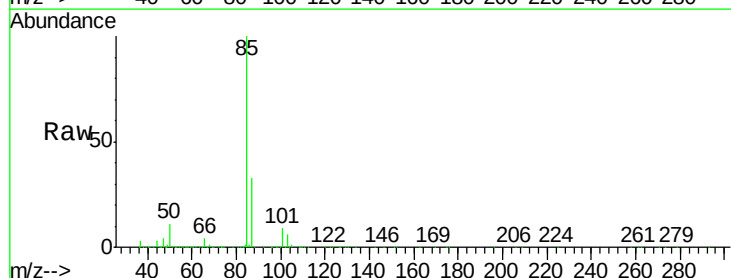
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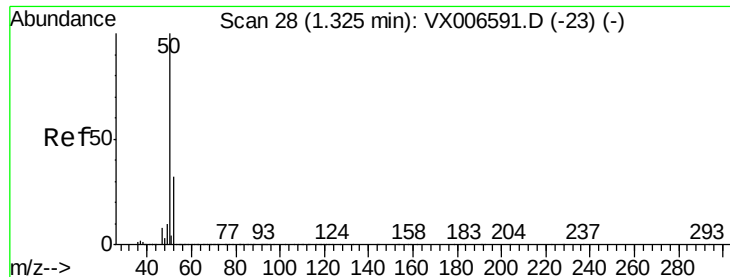
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#2
Dichlorodifluoromethane
Concen: 46.485 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.9	47.6





#3

Chloromethane

Concen: 48.795 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 285212

Ion Ratio Lower Upper

50 100

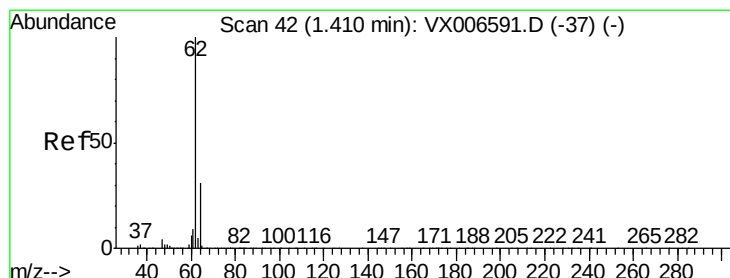
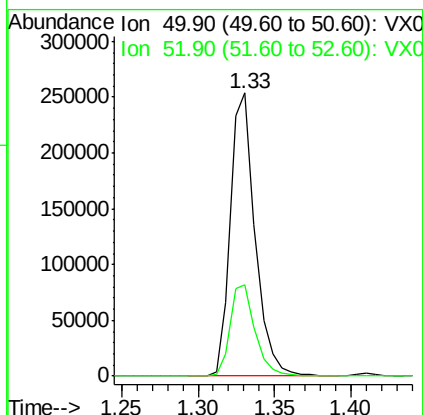
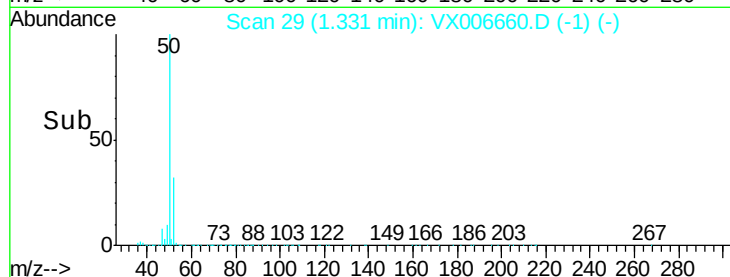
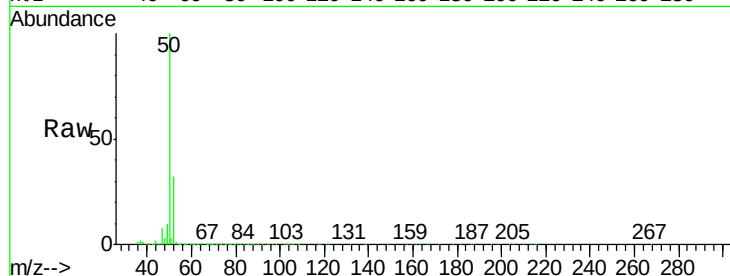
52 32.1 25.4 38.2

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12/20/2018 10:00:55 AM



#4

Vinyl Chloride

Concen: 49.151 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006660.D

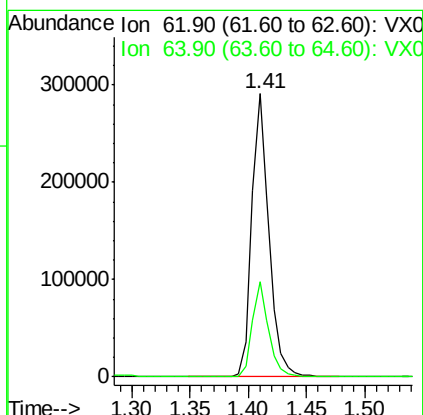
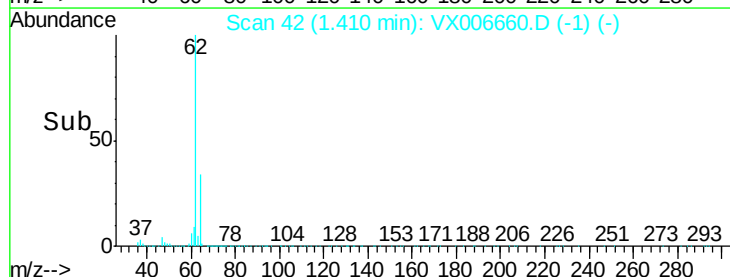
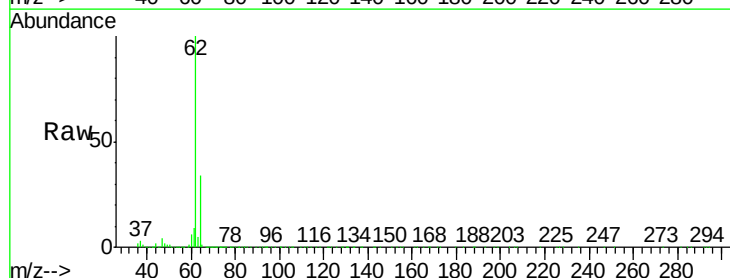
Acq: 20 Dec 2018 01:37

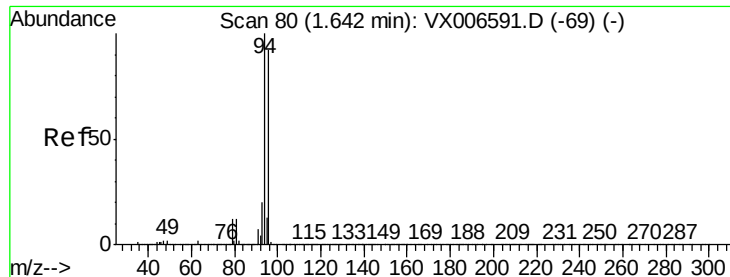
Tgt Ion: 62 Resp: 300055

Ion Ratio Lower Upper

62 100

64 33.5 25.1 37.7





#5

Bromomethane

Concen: 52.642 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 299322

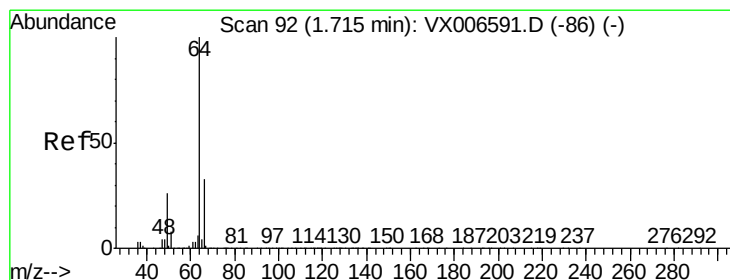
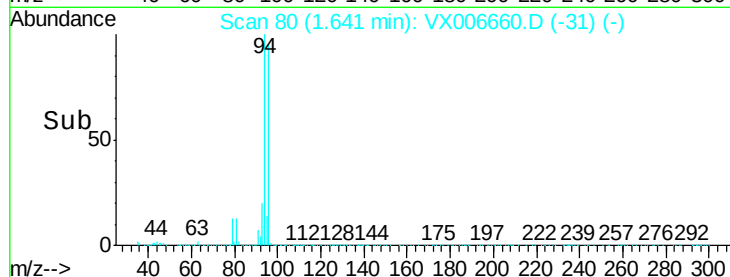
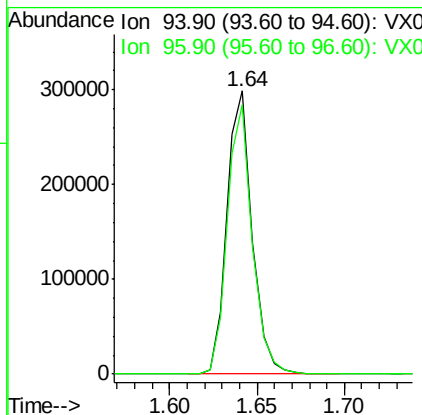
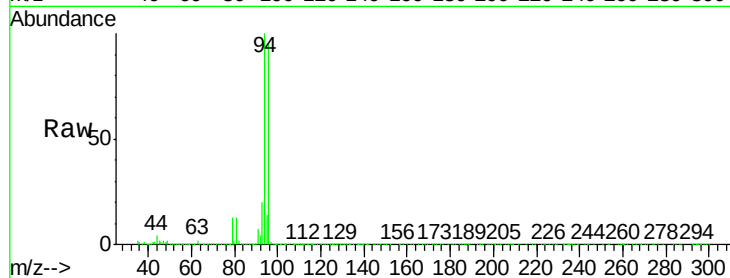
Ion Ratio Lower Upper

94 100

96 94.9 73.4 110.2

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#6

Chloroethane

Concen: 45.690 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006660.D

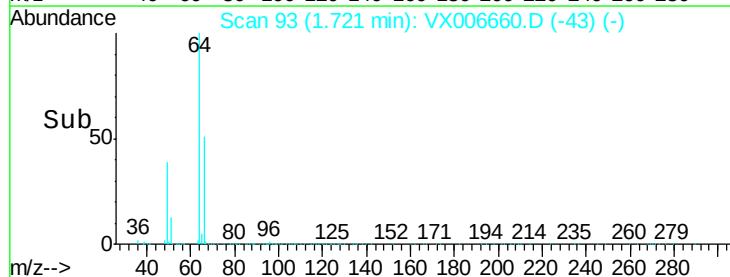
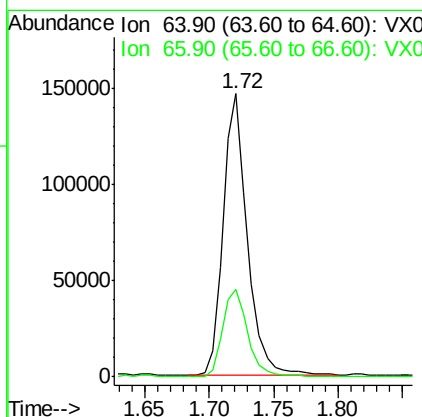
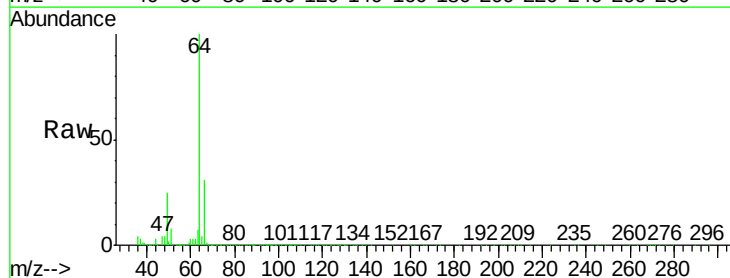
Acq: 20 Dec 2018 01:37

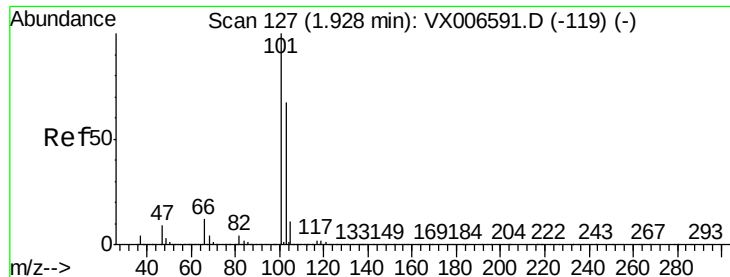
Tgt Ion: 64 Resp: 193133

Ion Ratio Lower Upper

64 100

66 30.9 26.4 39.6





#7

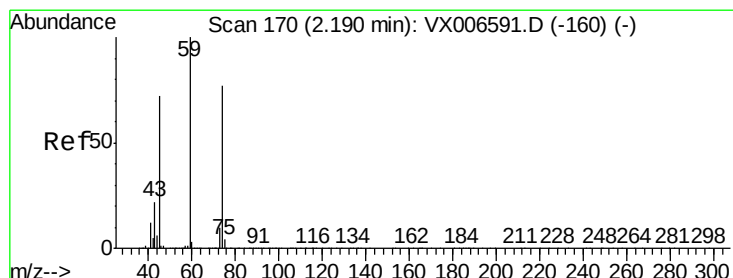
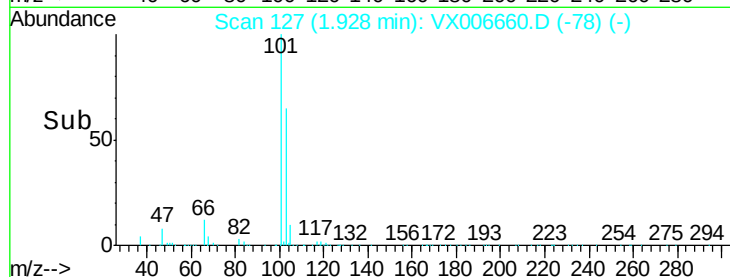
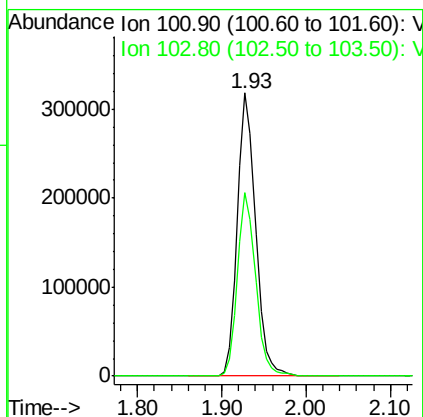
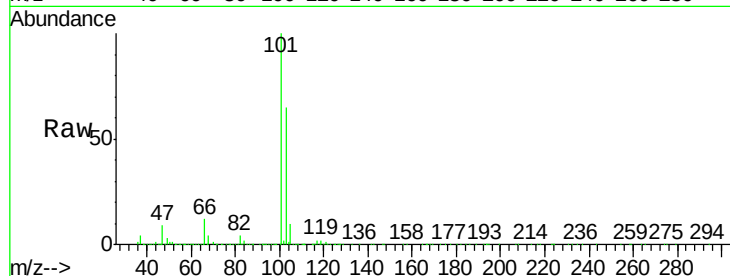
Trichlorofluoromethane
Concen: 48.946 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	53.2	79.8

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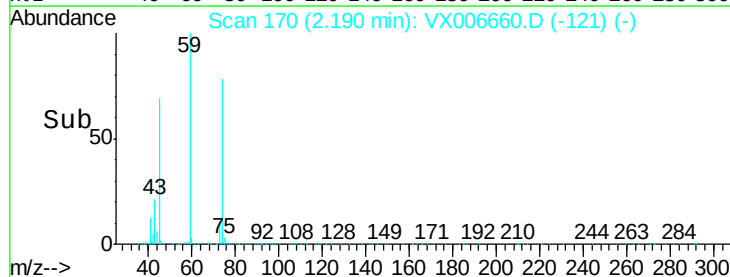
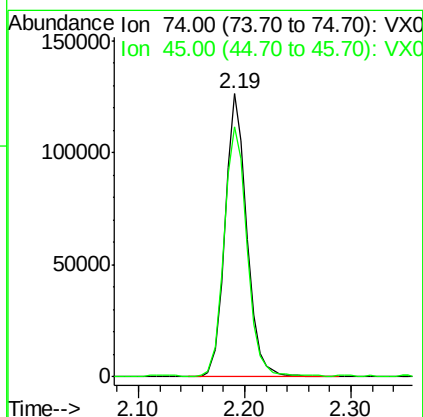
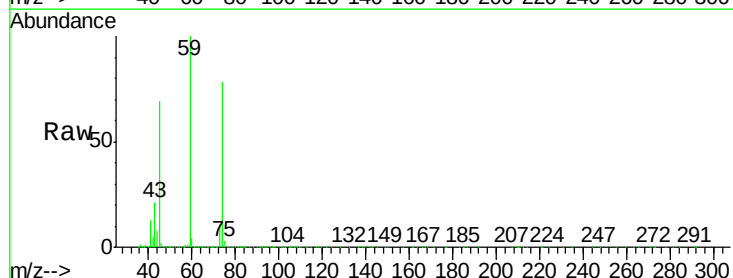
MMDadoda
12/20/2018 10:00:55 AM

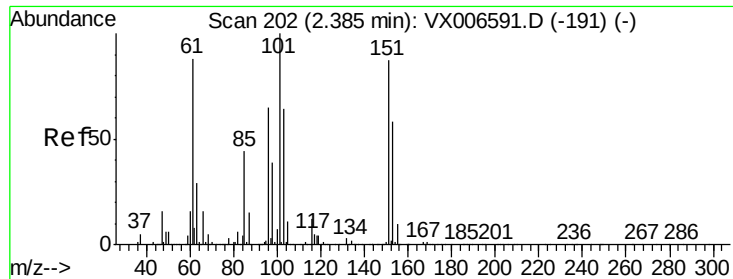


#8

Diethyl Ether
Concen: 47.512 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.0	46.3	138.9





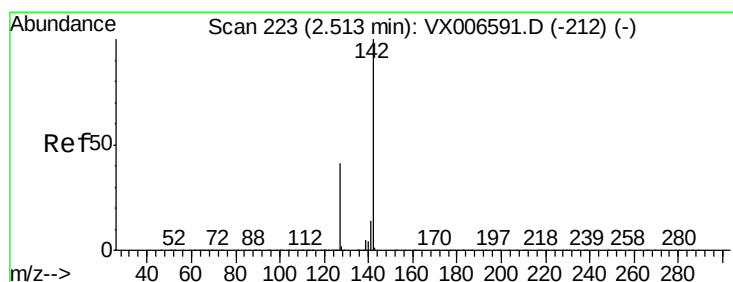
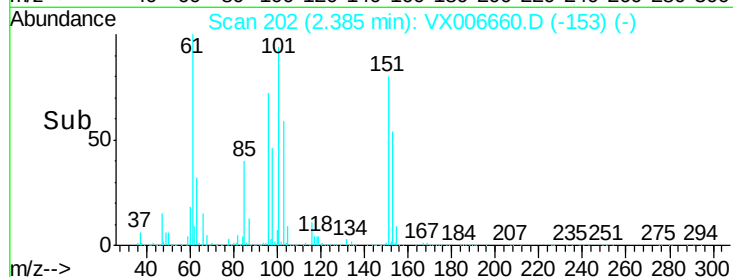
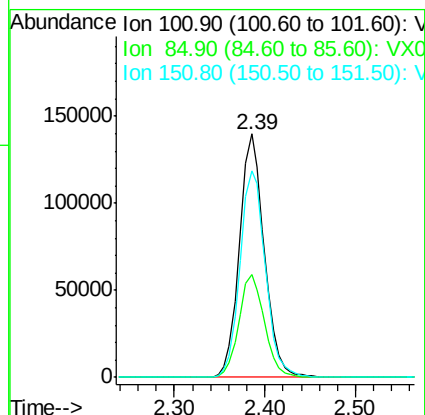
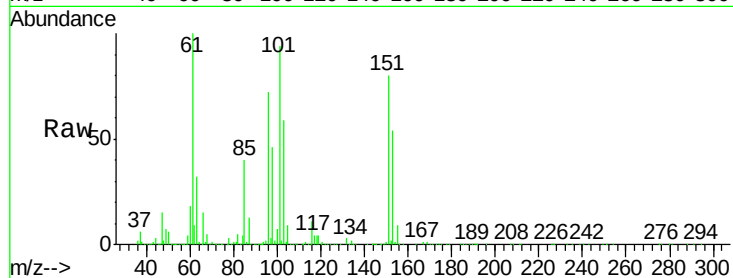
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.356 ug/l
RT: 2.39 min Scan# 202
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	264641		
85	43.0		35.1	52.7
151	87.3		68.9	103.3

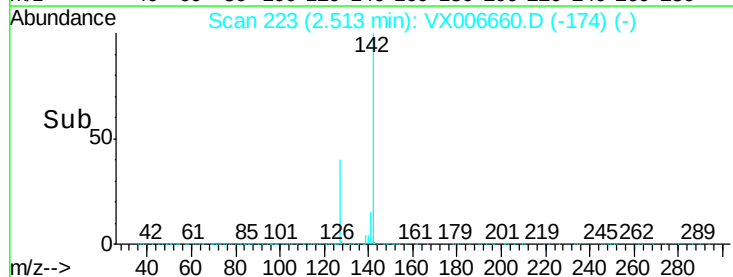
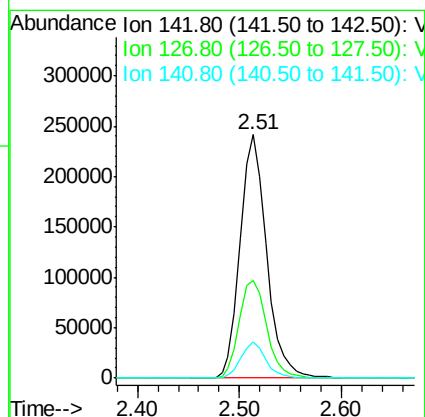
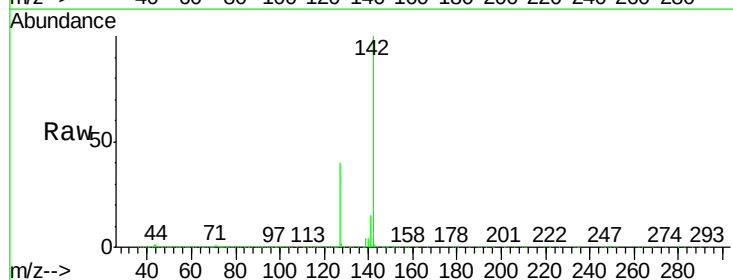
Manual Integrations
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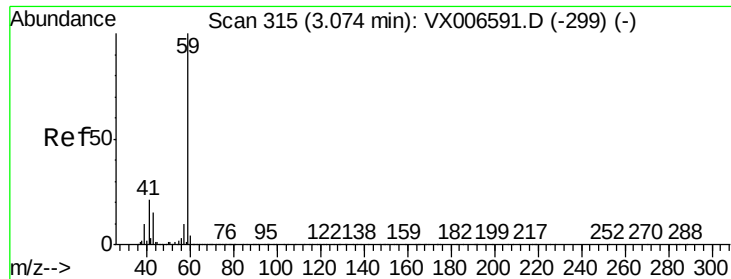
MMDadoda
12/20/2018 10:00:55 AM



#10
Methyl Iodide
Concen: 54.157 ug/l
RT: 2.51 min Scan# 223
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	433225		
127	42.3		33.9	50.9
141	14.3		11.4	17.0





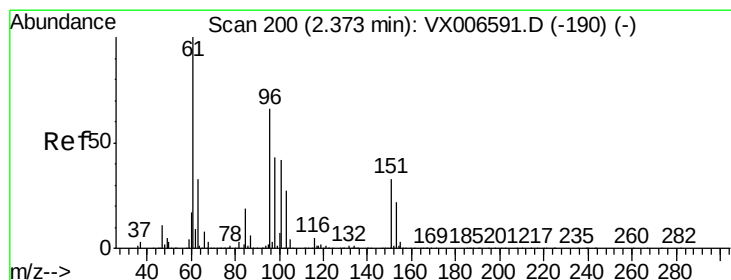
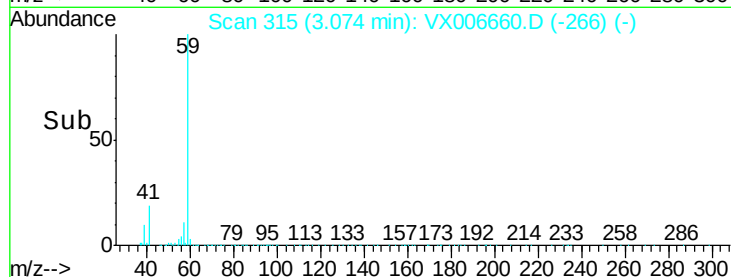
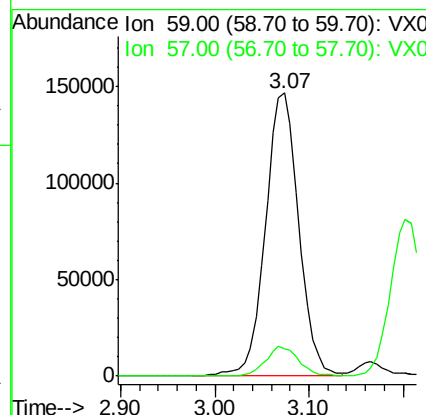
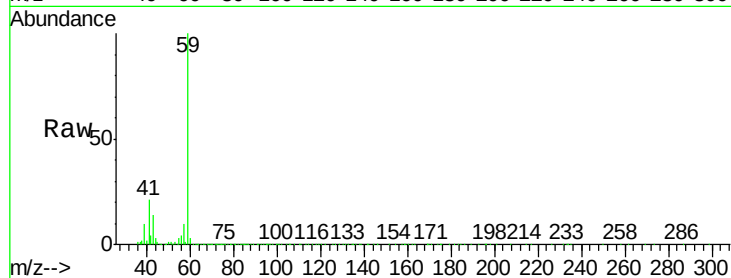
#11
Tert butyl alcohol
Concen: 253.988 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.5	12.7

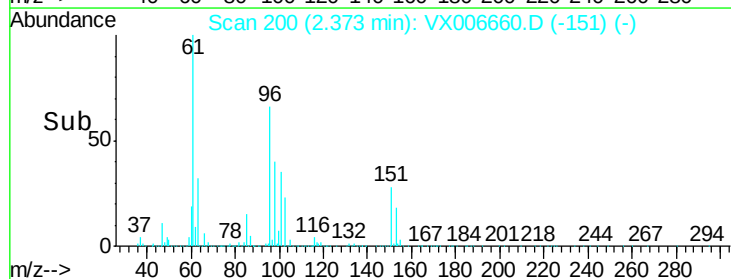
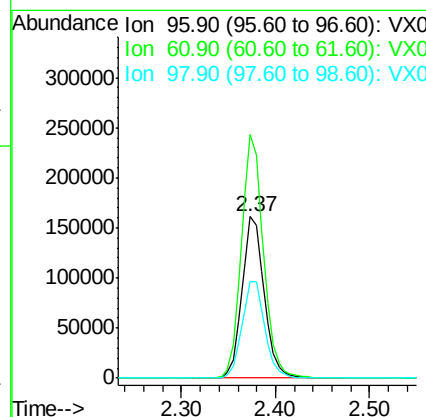
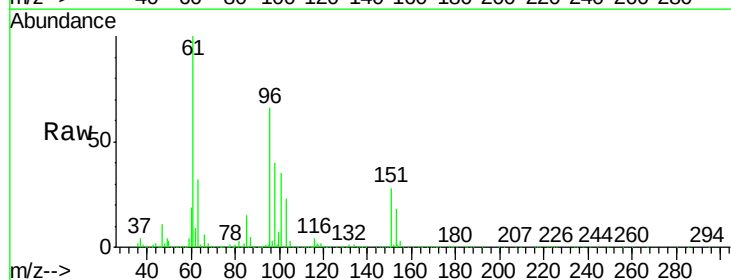
Manual Integrations
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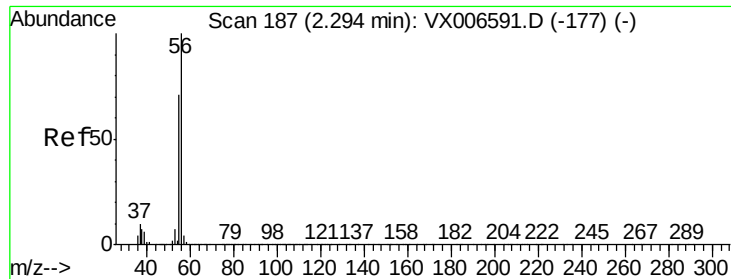
MMDadoda
12/20/2018 10:00:55 AM



#12
1,1-Dichloroethene
Concen: 49.524 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.0	121.4	182.2
98	59.8	51.9	77.9





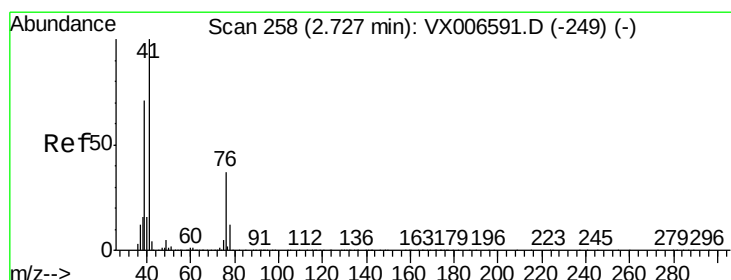
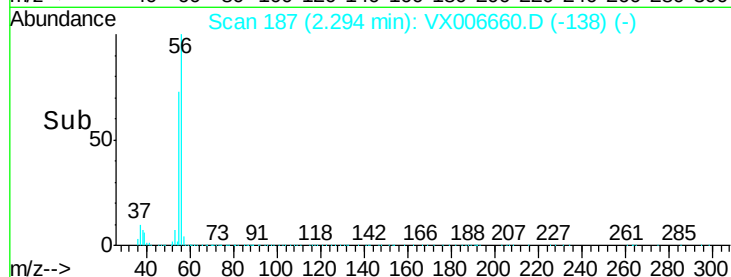
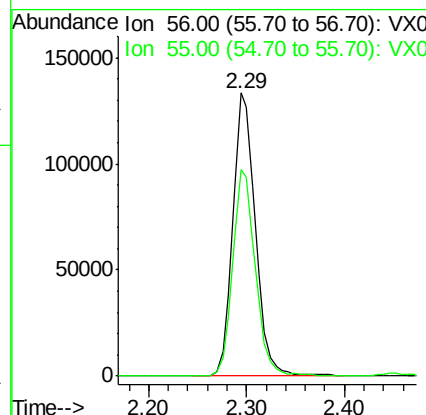
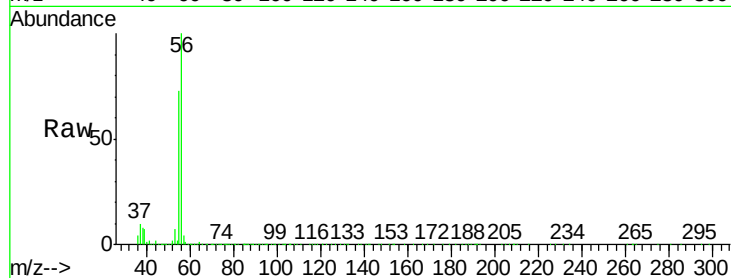
#13
Acrolein
Concen: 219.637 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.4	58.2	87.4

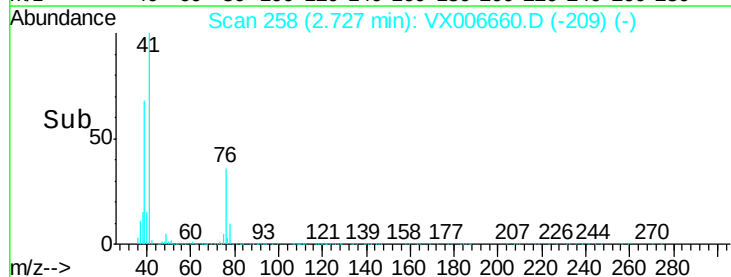
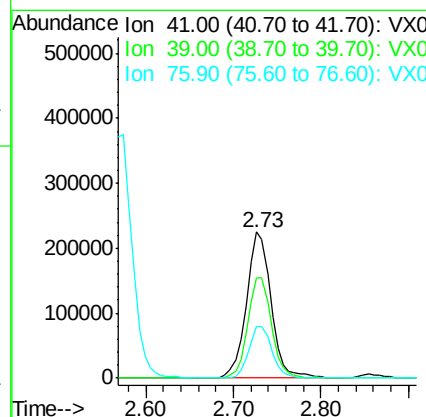
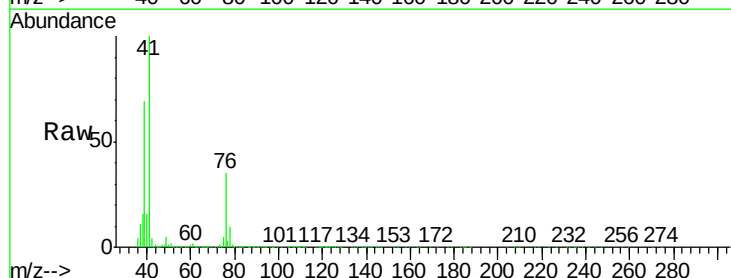
Manual Integrations
APPROVED

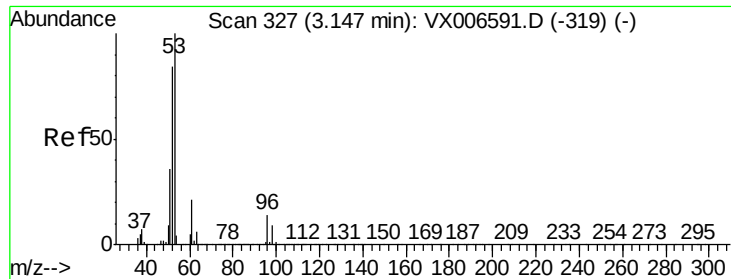
MMDadoda
12/20/2018 10:00:55 AM



#14
Allyl chloride
Concen: 48.914 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.4	53.6	80.4
76	33.4	27.4	41.2





#15

Acrylonitrile

Concen: 256.133 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Instrument :

MSVOA_X

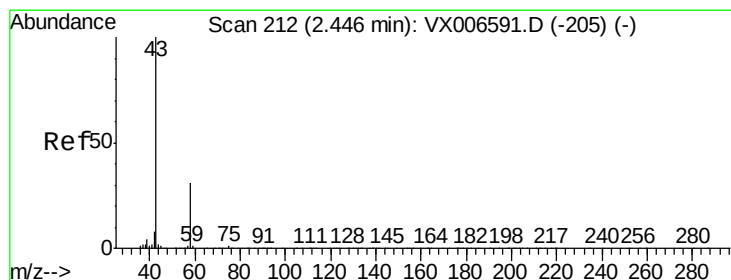
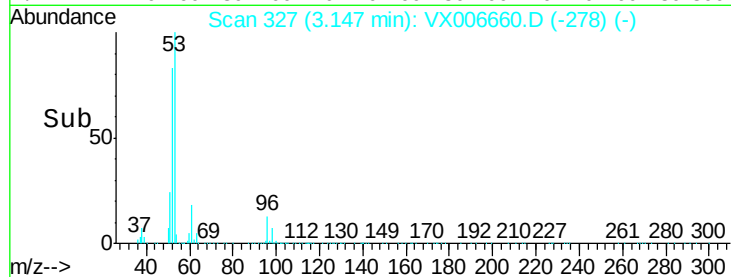
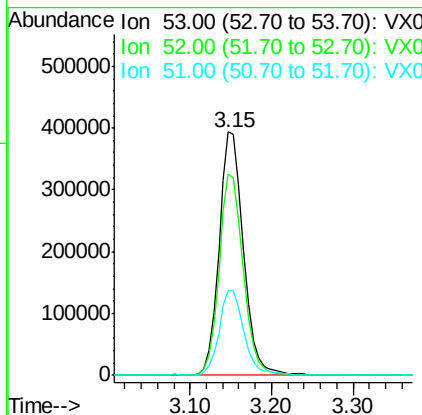
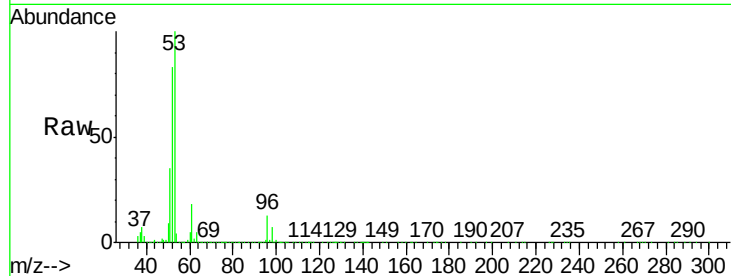
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	811229
Ion Ratio		Lower	Upper
53	100		
52	82.4	66.0	99.0
51	35.8	28.6	42.8

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#16

Acetone

Concen: 223.317 ug/l

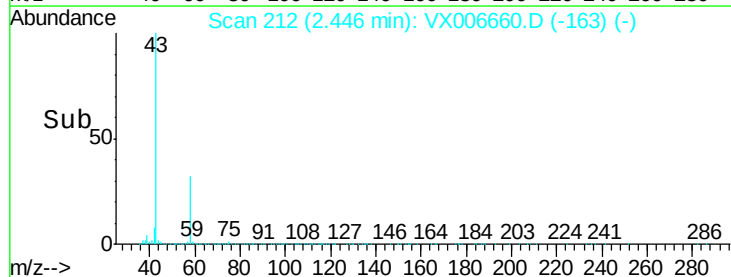
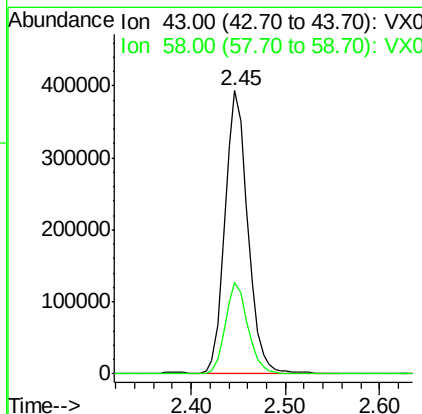
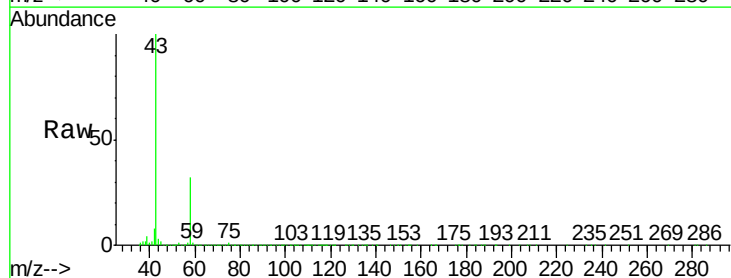
RT: 2.45 min Scan# 212

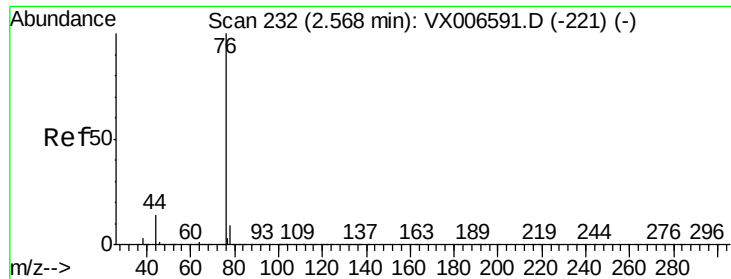
Delta R.T. -0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Tgt Ion:	43	Resp:	655791
Ion Ratio		Lower	Upper
43	100		
58	32.2	25.0	37.6





#17

Carbon Disulfide

Concen: 45.943 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 644249

Ion Ratio Lower Upper

76 100

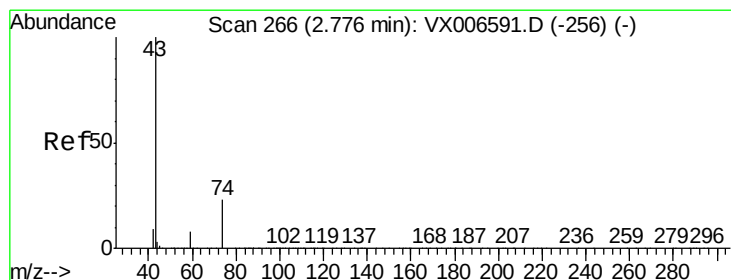
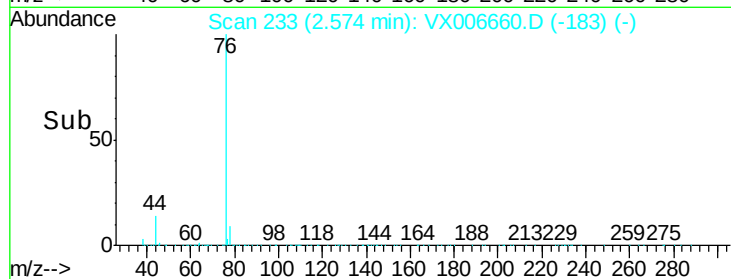
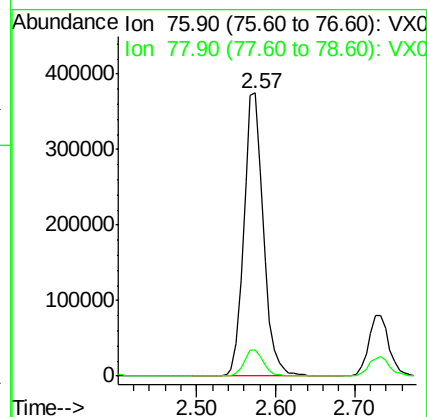
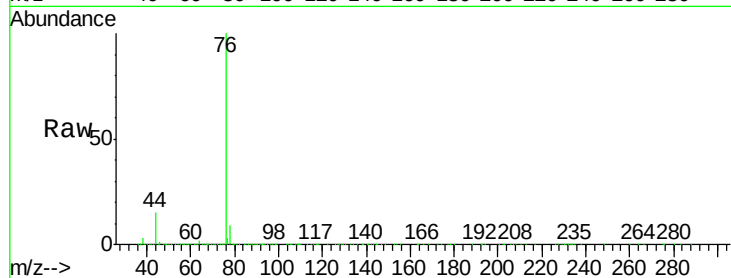
78 9.3 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 52.318 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX006660.D

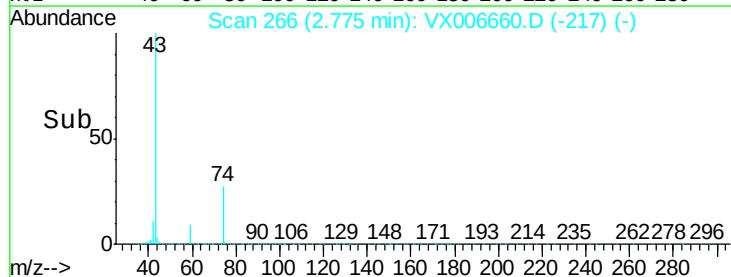
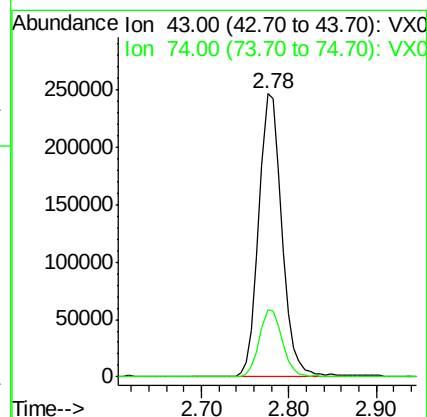
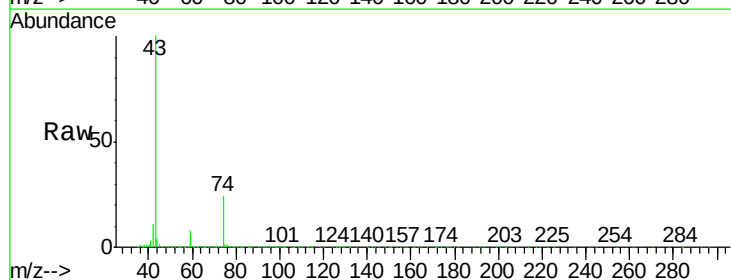
Acq: 20 Dec 2018 01:37

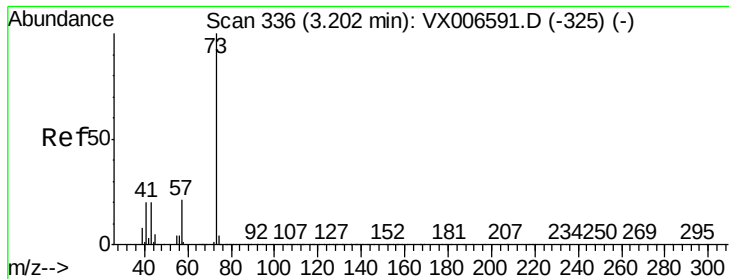
Tgt Ion: 43 Resp: 451760

Ion Ratio Lower Upper

43 100

74 24.4 18.6 28.0





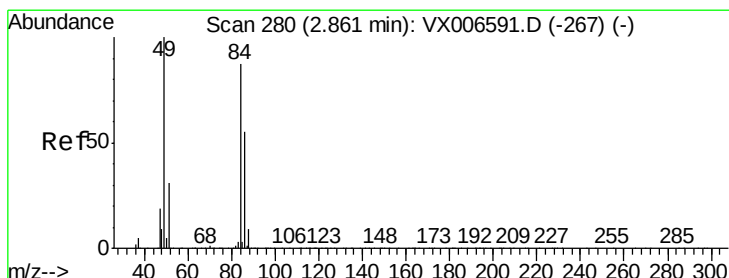
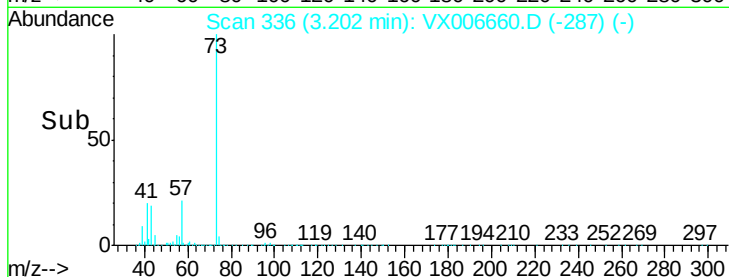
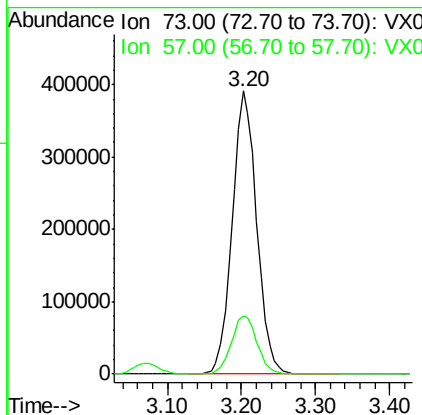
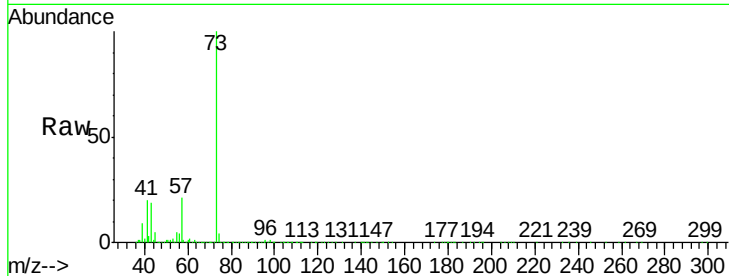
#19
Methyl tert-butyl Ether
Concen: 51.062 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.6	16.8	25.2

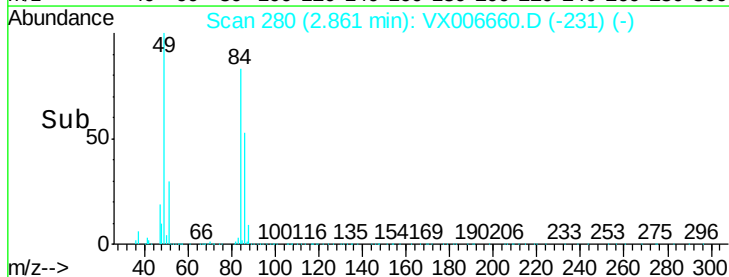
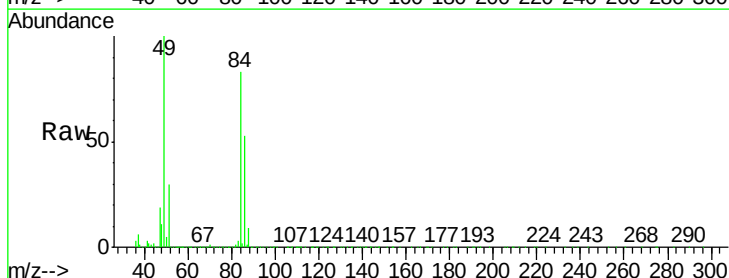
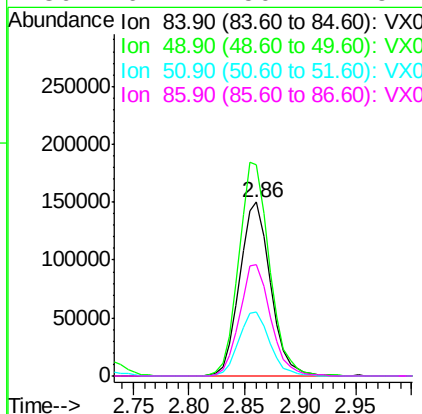
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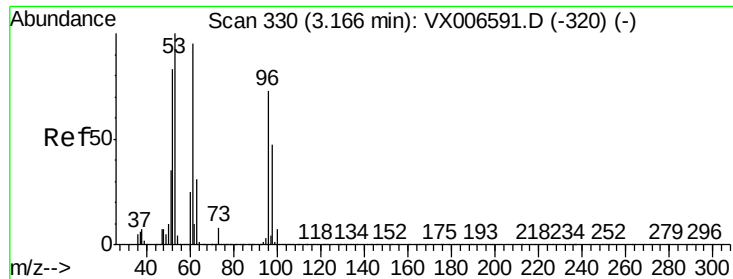
MMDadoda
12/20/2018 10:00:55 AM



#20
Methylene Chloride
Concen: 47.632 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.0	91.8	137.6
51	36.6	28.5	42.7
86	64.2	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 47.422 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Instrument :

MSVOA_X

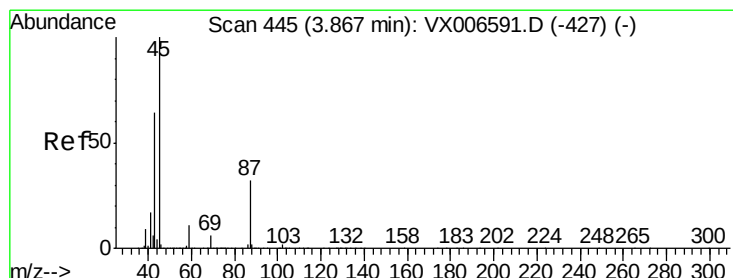
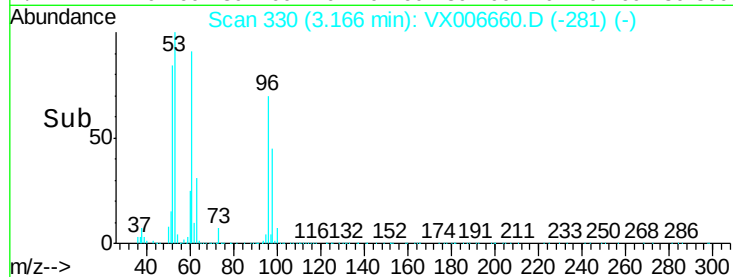
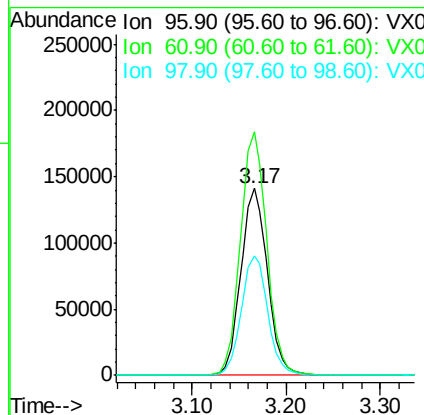
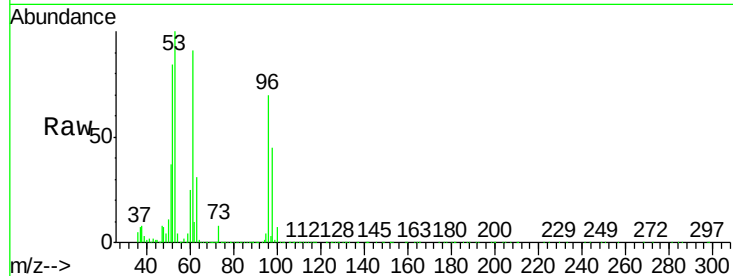
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	278421
Ion Ratio	Lower	Upper	
96	100		
61	130.2	103.7	155.5
98	63.8	51.0	76.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.089 ug/l

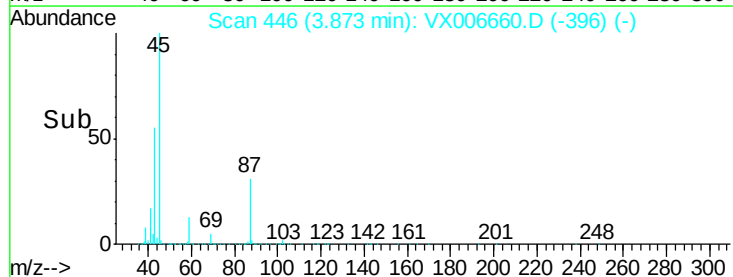
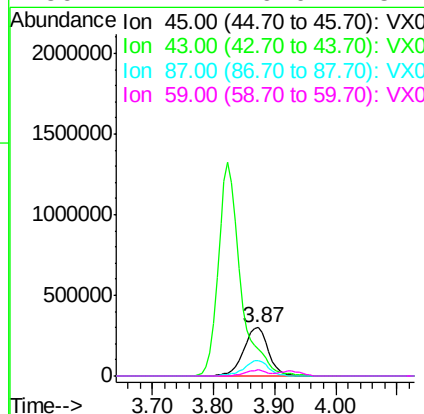
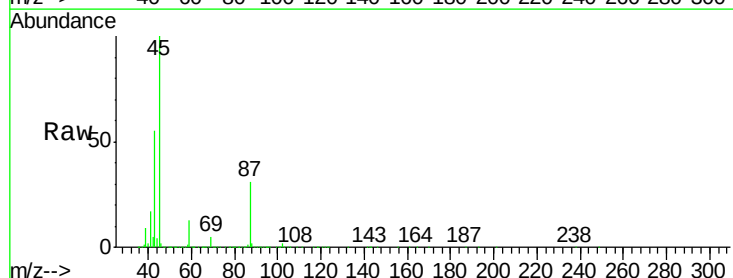
RT: 3.87 min Scan# 446

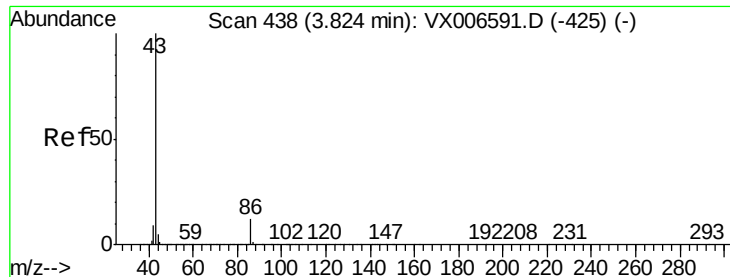
Delta R.T. 0.01 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Tgt Ion:	45	Resp:	833625
Ion Ratio	Lower	Upper	
45	100		
43	55.3	51.2	76.8
87	31.0	25.8	38.6
59	12.7	9.0	13.4





#23

Vinyl Acetate

Concen: 254.490 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3396665

Ion Ratio Lower Upper

43 100

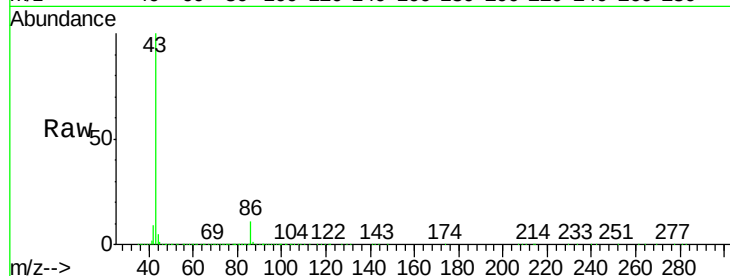
86 11.4 9.2 13.8

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

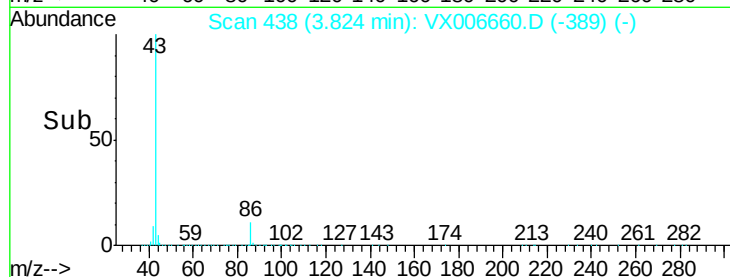
1500000

1000000

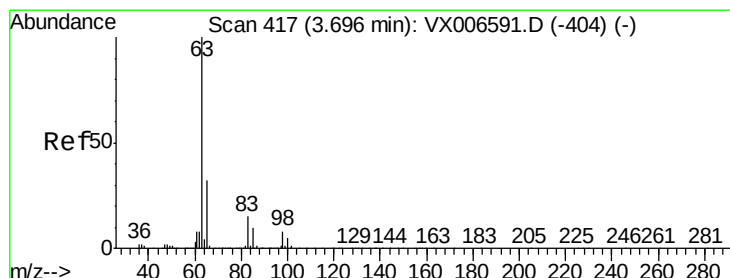
500000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 48.504 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

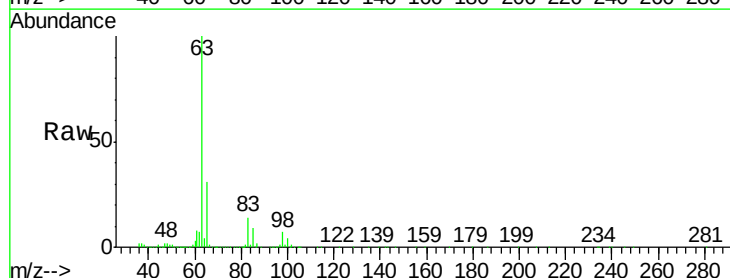
Tgt Ion: 63 Resp: 472458

Ion Ratio Lower Upper

63 100

98 7.3 3.9 11.5

100 4.5 2.4 7.2



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

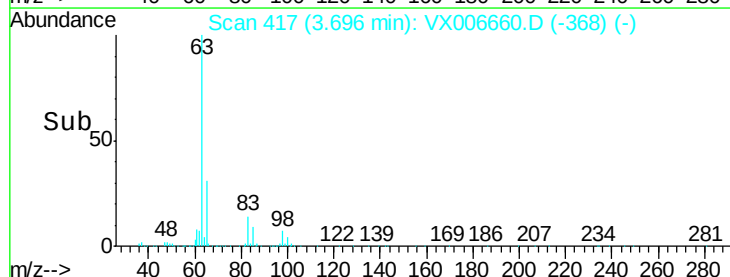
150000

100000

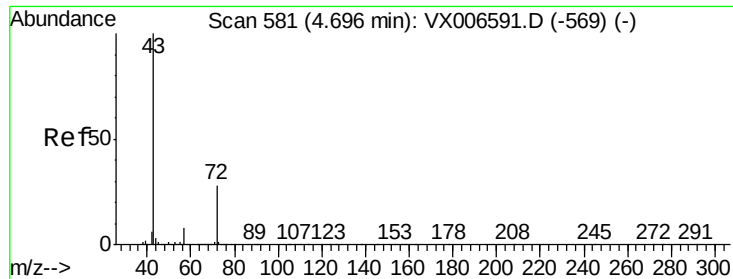
50000

0

Time-->



Time-->



#25

2-Butanone

Concen: 243.828 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1007174

Ion Ratio Lower Upper

43 100

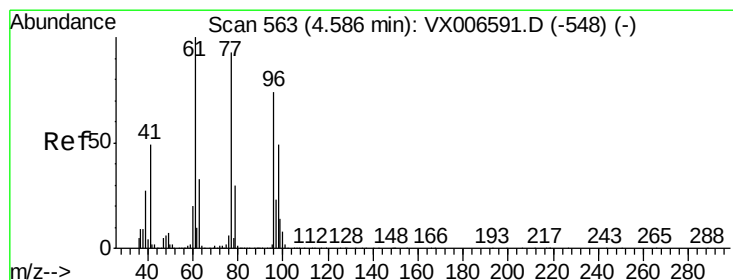
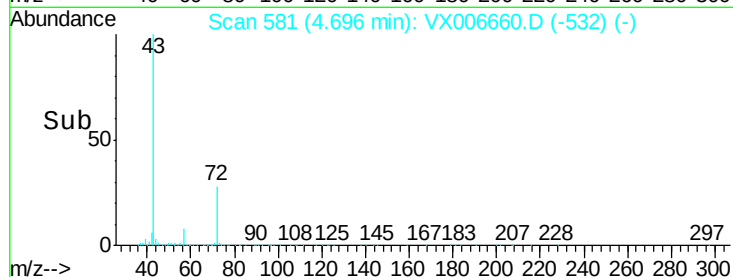
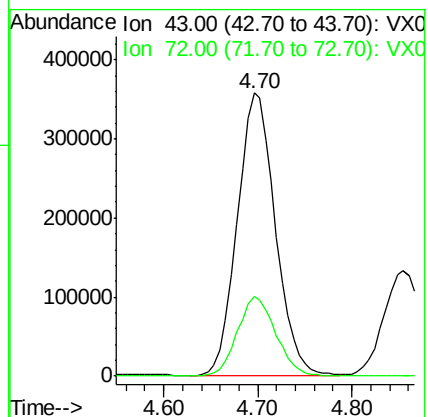
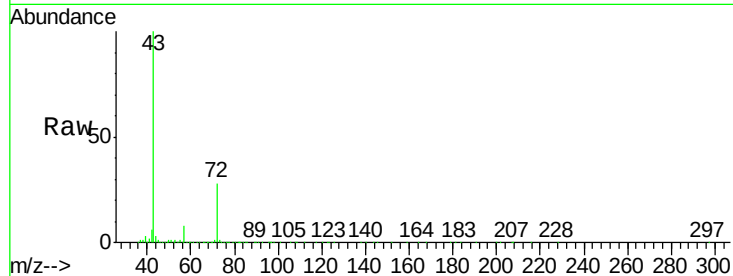
72 28.0 22.4 33.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 40.148 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006660.D

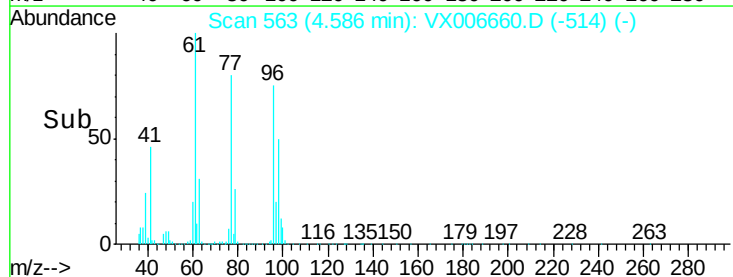
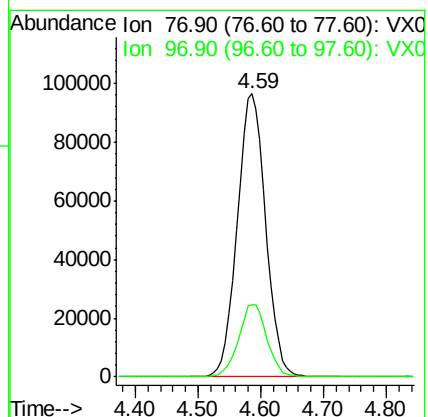
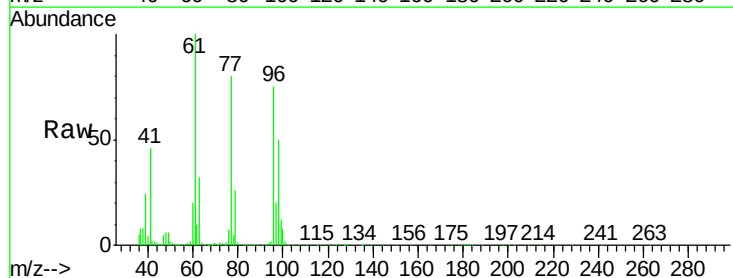
Acq: 20 Dec 2018 01:37

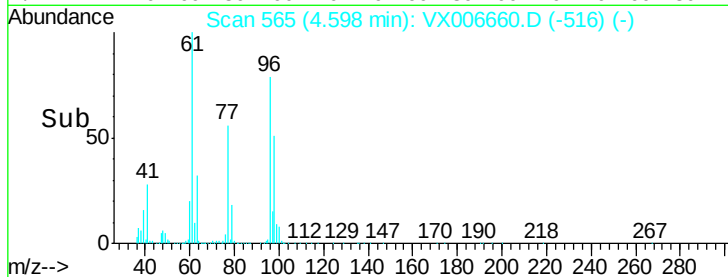
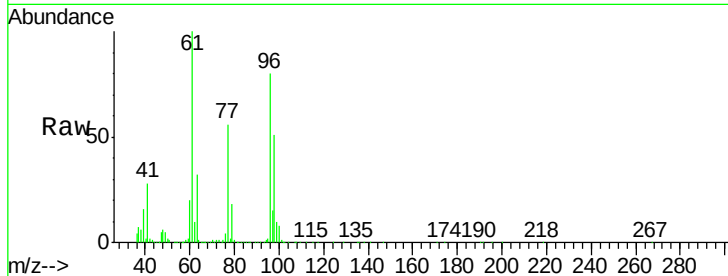
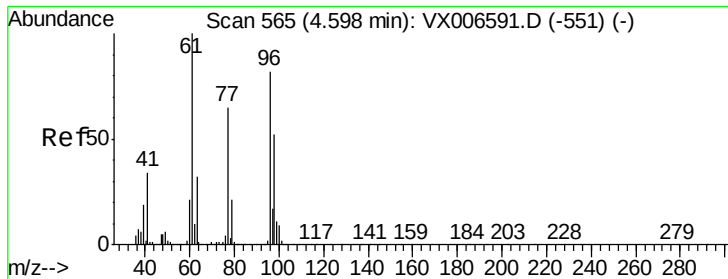
Tgt Ion: 77 Resp: 302083

Ion Ratio Lower Upper

77 100

97 25.5 12.4 37.4





#27

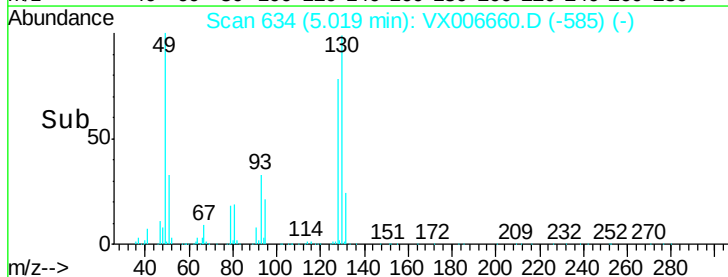
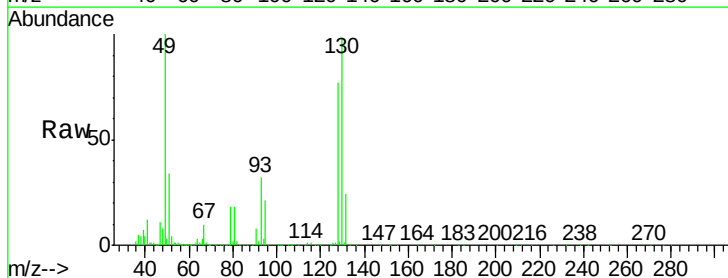
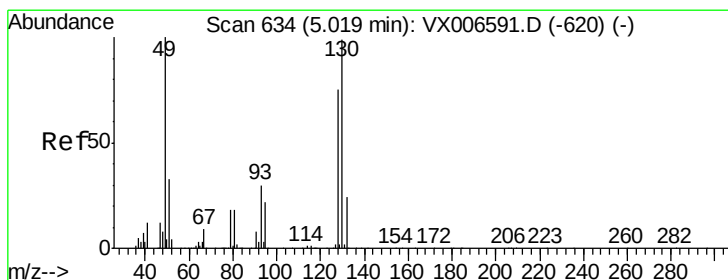
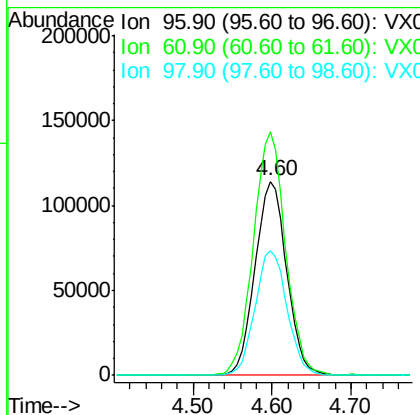
cis-1,2-Dichloroethene
Concen: 49.204 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Tot Ion	Ratio	Resp	Lower	Upper
96	100	318728		
61	127.1		0.0	258.6
98	65.2		0.0	132.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

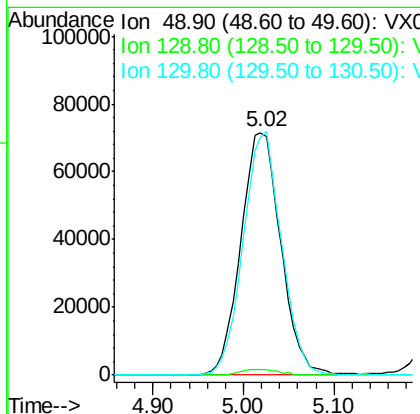
MMDadoda
12/20/2018 10:00:55 AM

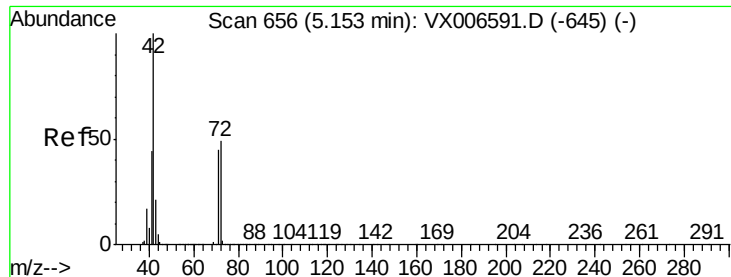


#28

Bromochloromethane
Concen: 53.341 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	218514		
129	2.5		0.0	5.4
130	96.1		77.7	116.5





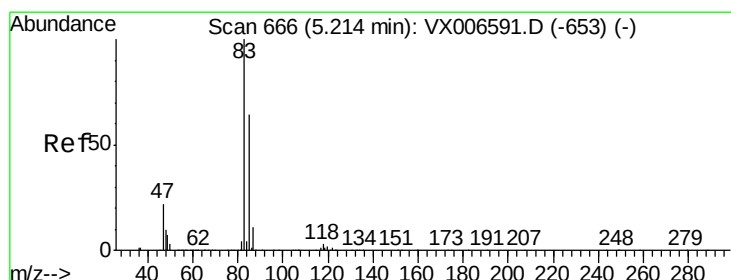
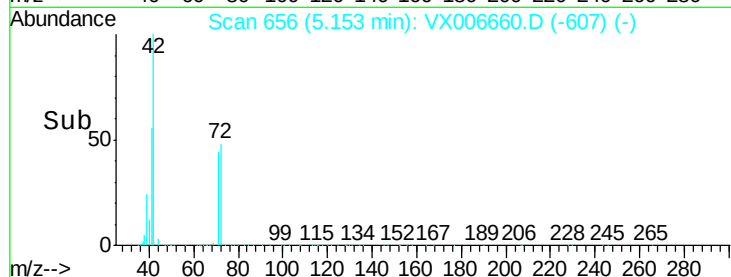
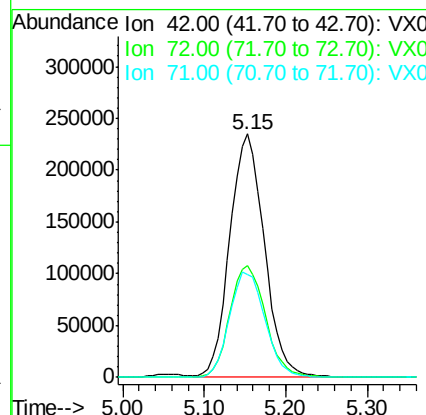
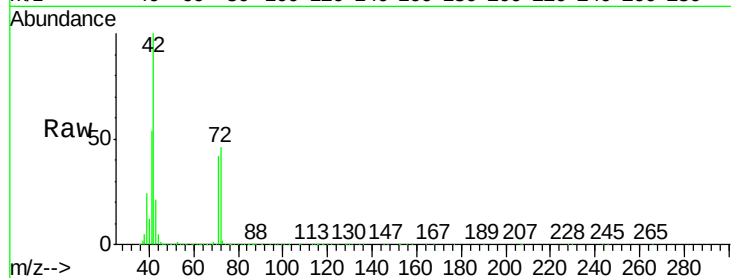
#29
Tetrahydrofuran
Concen: 252.637 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.5	38.9	58.3
71	44.8	36.2	54.4

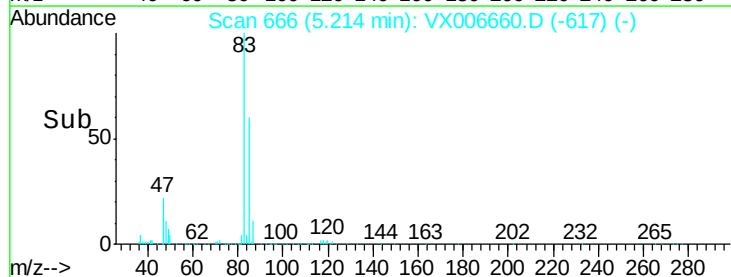
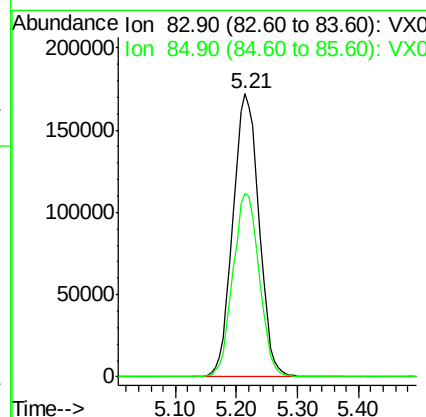
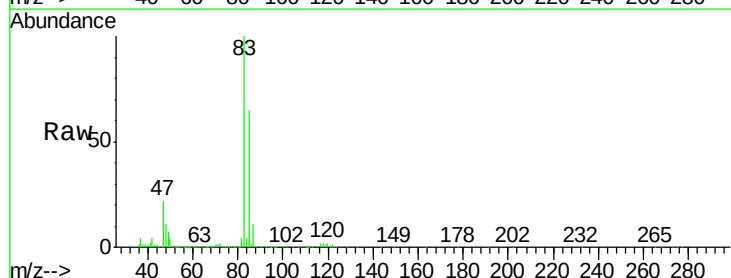
Manual Integrations
APPROVED

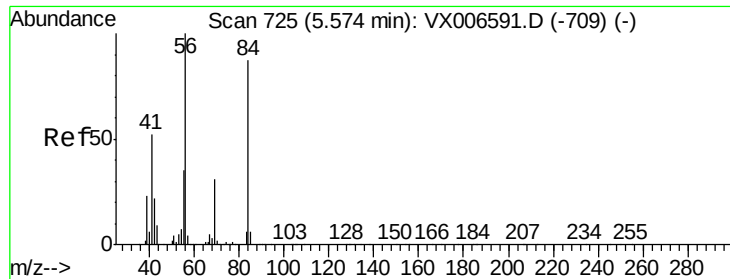
MMDadoda
12/20/2018 10:00:55 AM



#30
Chloroform
Concen: 49.870 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.2	76.8





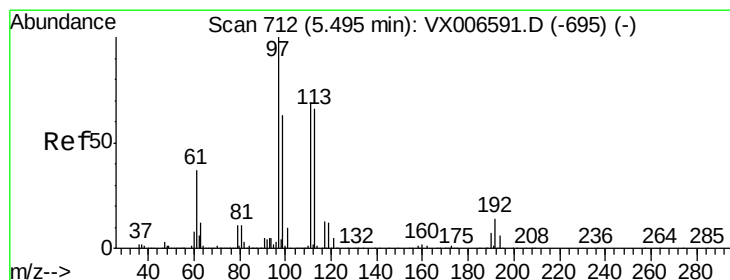
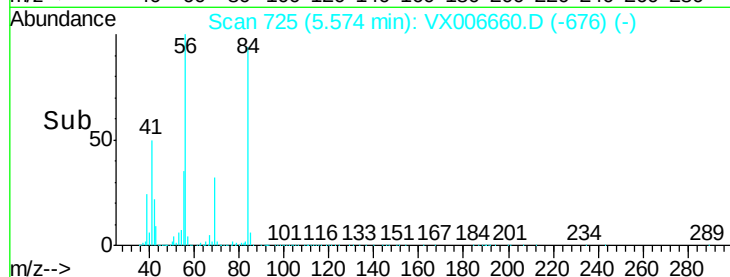
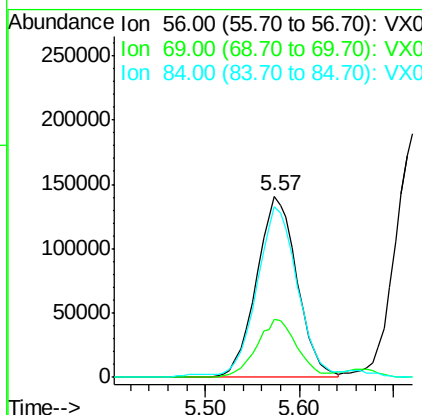
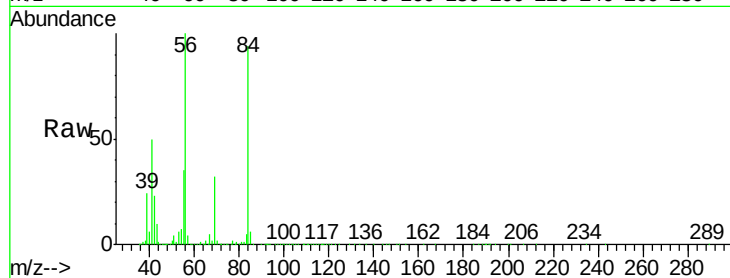
#31
Cyclohexane
Concen: 47.547 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.9	24.4	36.6
84	92.8	70.0	105.0

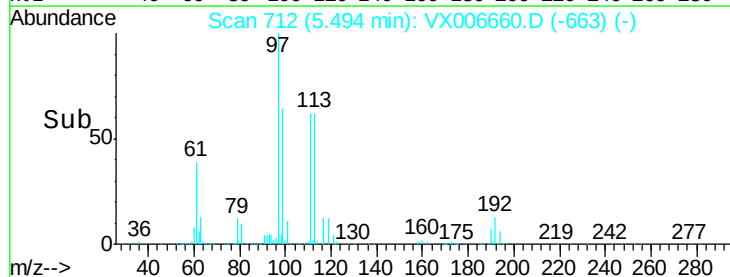
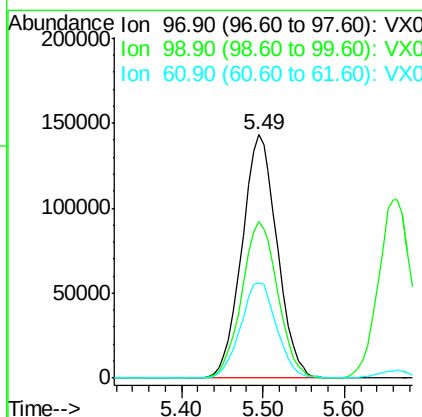
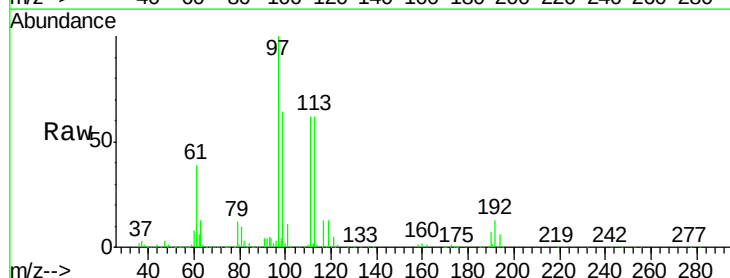
Manual Integrations
APPROVED

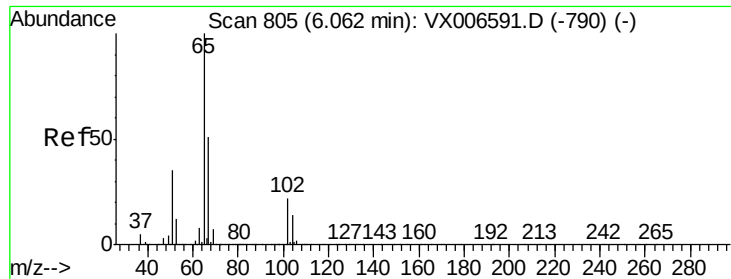
MMDadoda
12/20/2018 10:00:55 AM



#32
1,1,1-Trichloroethane
Concen: 50.450 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.7	77.5
61	40.2	31.3	46.9





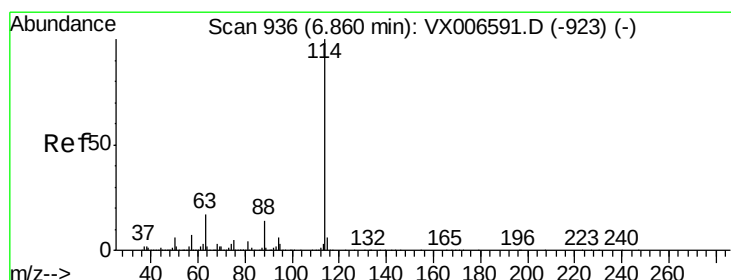
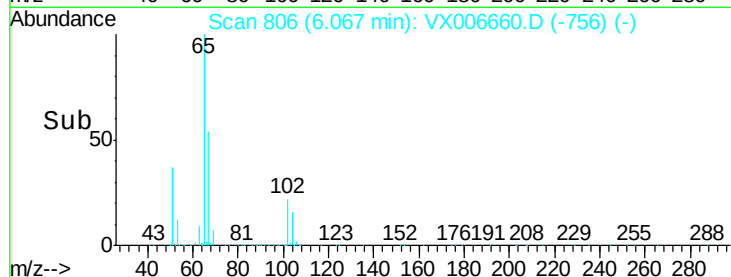
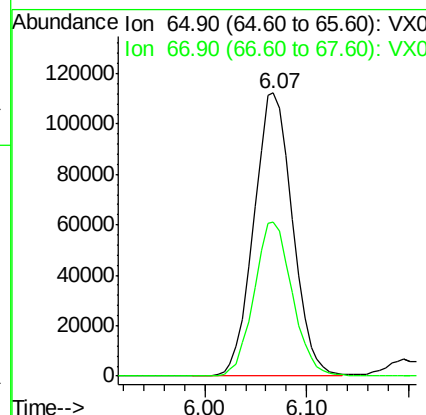
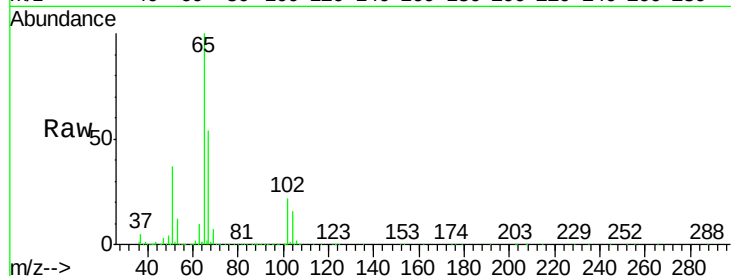
#33
 1,2-Dichloroethane-d4
 Concen: 46.352 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006660.D
 Acq: 20 Dec 2018 01:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	105.0

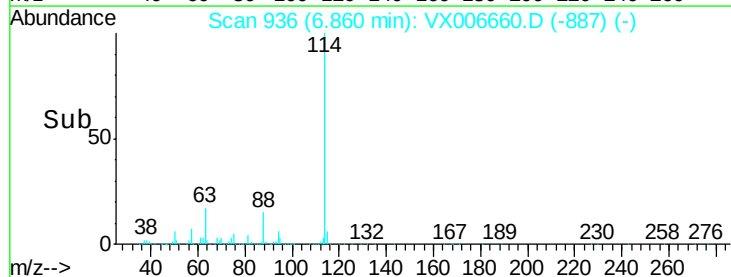
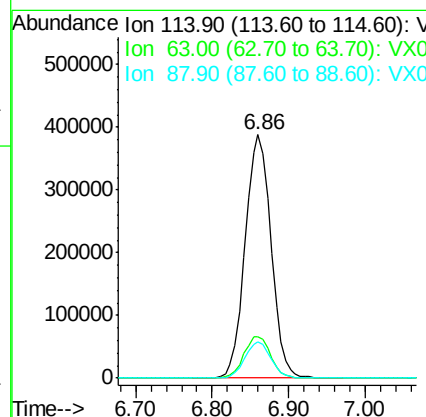
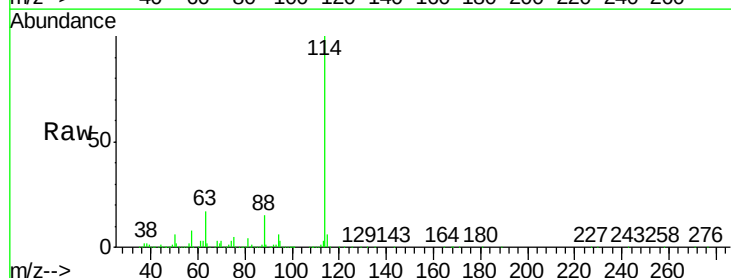
Manual Integrations
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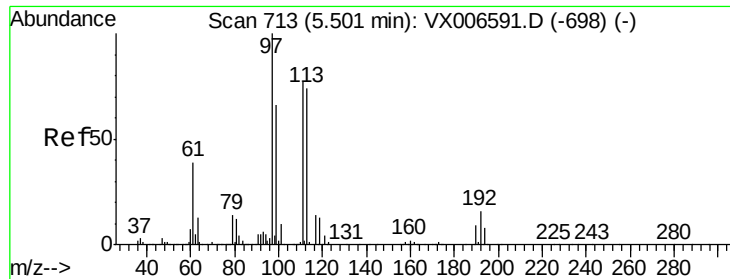
MMDadoda
 12/20/2018 10:00:55 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006660.D
 Acq: 20 Dec 2018 01:37

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	34.8
88	14.7	0.0	28.8





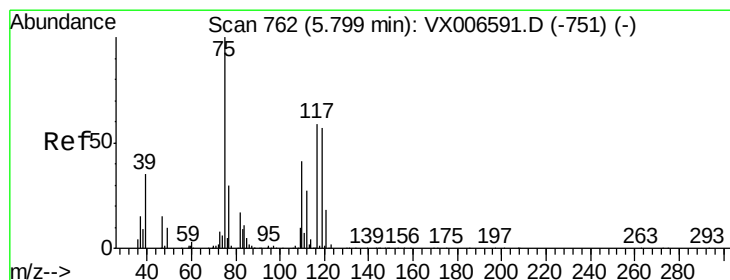
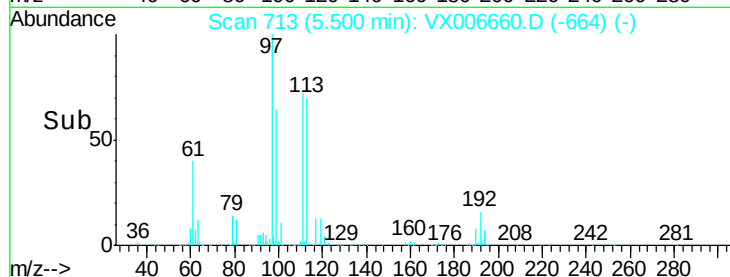
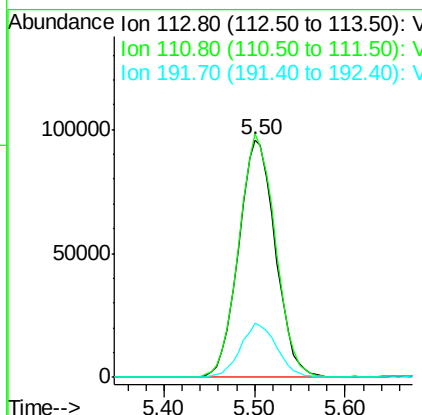
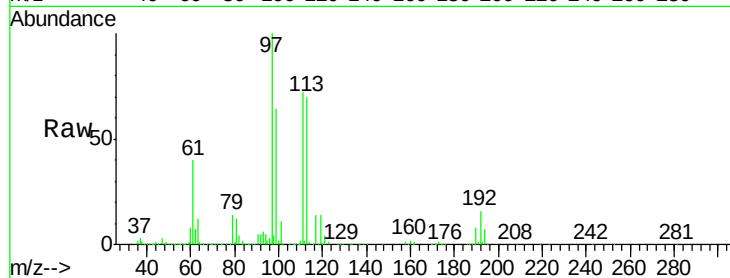
#35
 Dibromofluoromethane
 Concen: 46.596 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX006660.D
 Acq: 20 Dec 2018 01:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.6	122.4
192	22.6	16.7	25.1

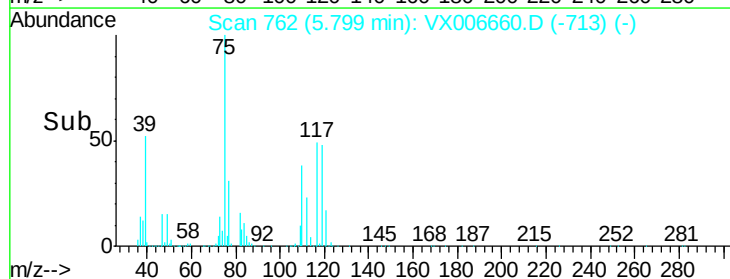
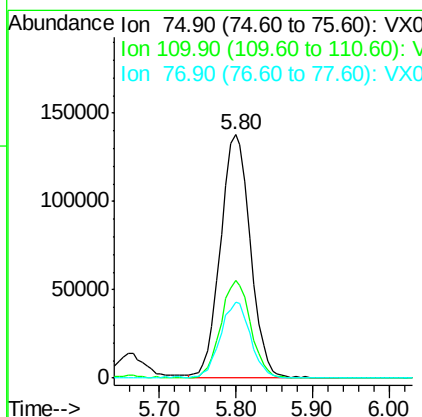
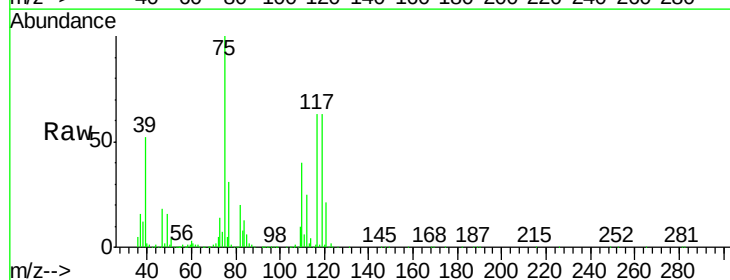
Manual Integrations
 APPROVED

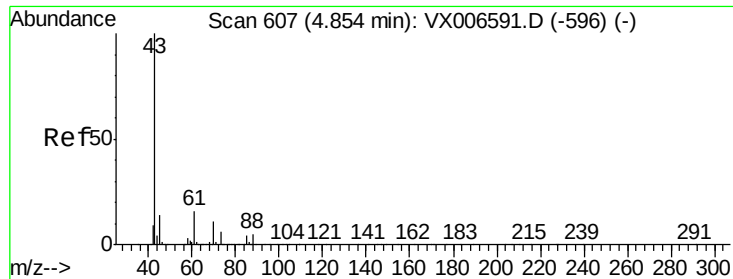
MMDadoda
 12/20/2018 10:00:55 AM



#36
 1,1-Dichloropropene
 Concen: 49.178 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX006660.D
 Acq: 20 Dec 2018 01:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.3	20.2	60.5
77	31.2	24.8	37.2





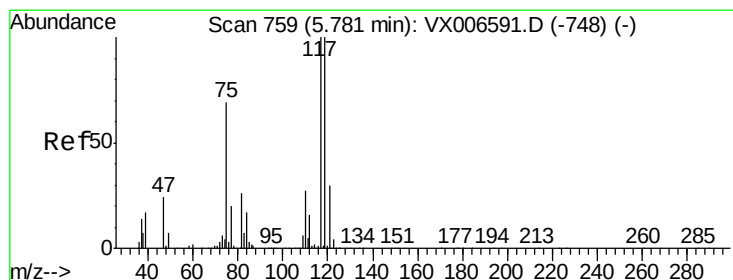
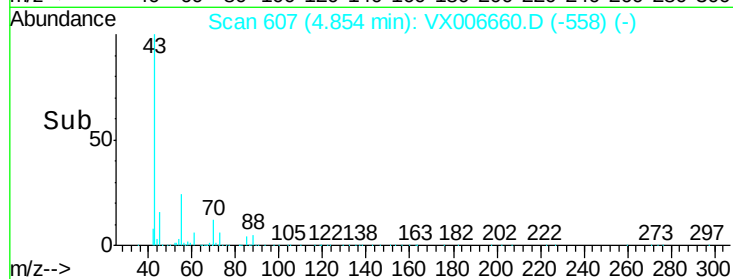
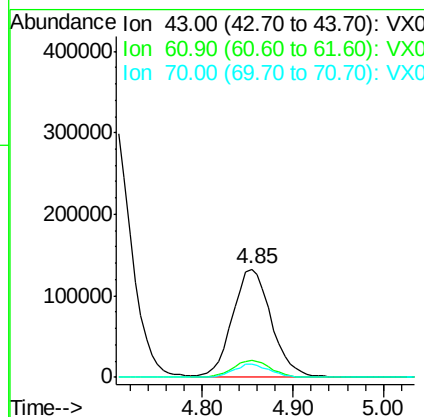
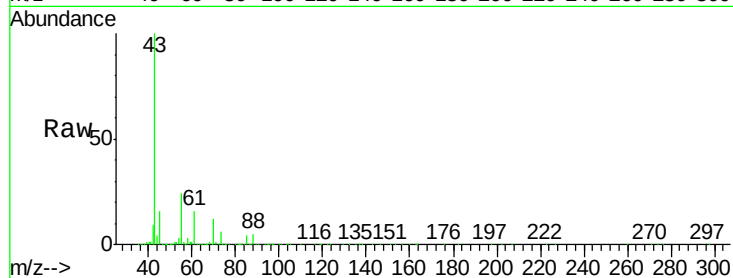
#37
Ethyl Acetate
Concen: 49.510 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.9	17.9
70	11.7	9.7	14.5

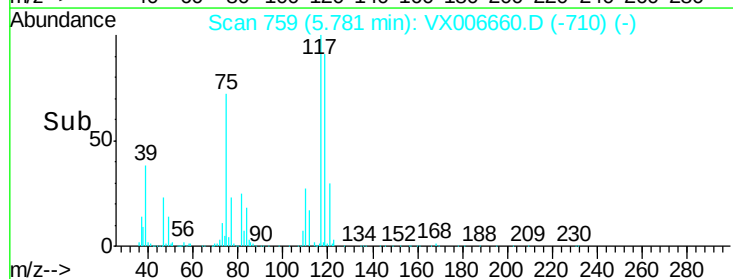
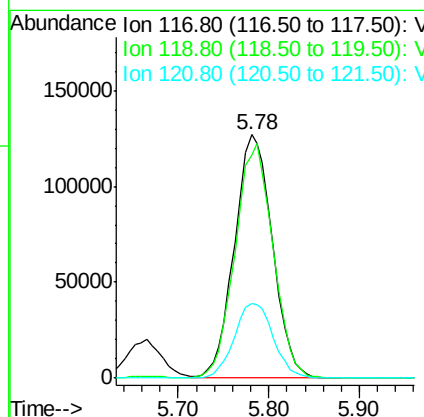
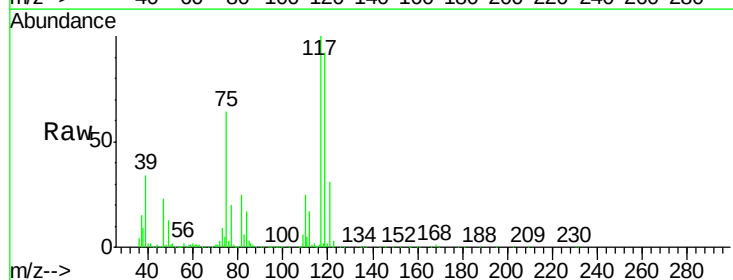
Manual Integrations
APPROVED

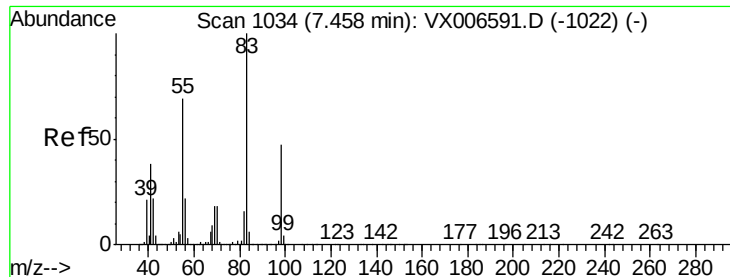
MMDadoda
12/20/2018 10:00:55 AM



#38
Carbon Tetrachloride
Concen: 50.112 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.6	79.4	119.2
121	30.6	24.0	36.0





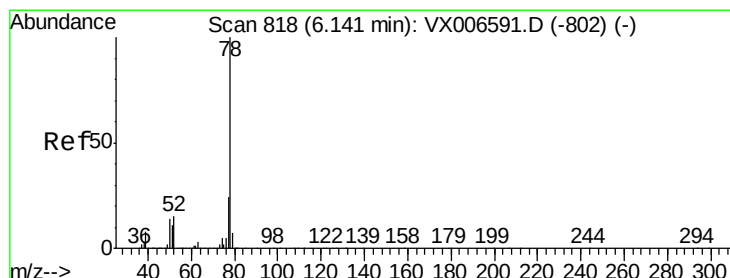
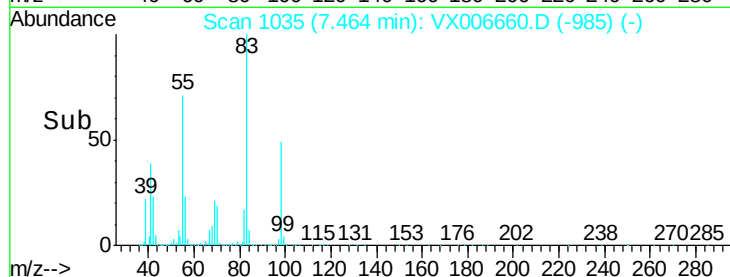
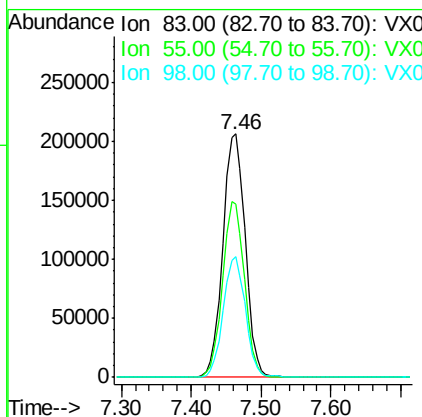
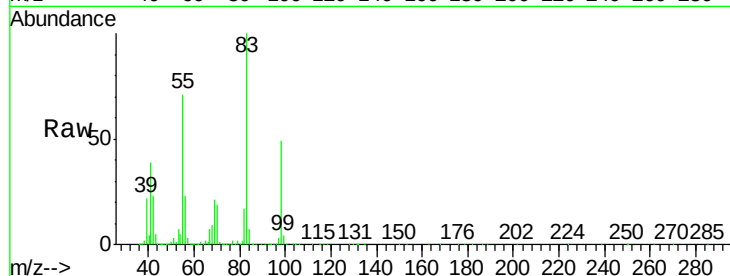
#39
Methylvlcyclohexane
Concen: 46.253 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.1	54.9	82.3
98	49.3	37.9	56.9

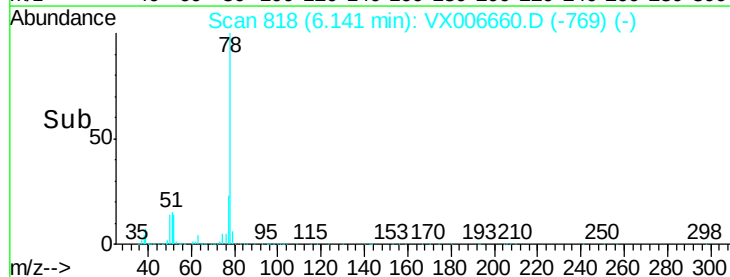
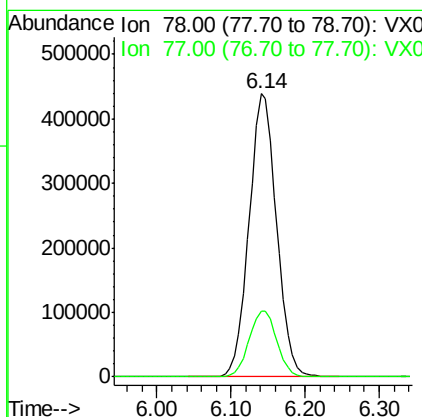
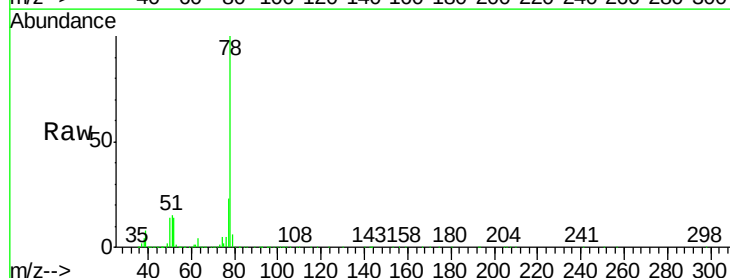
Manual Integrations
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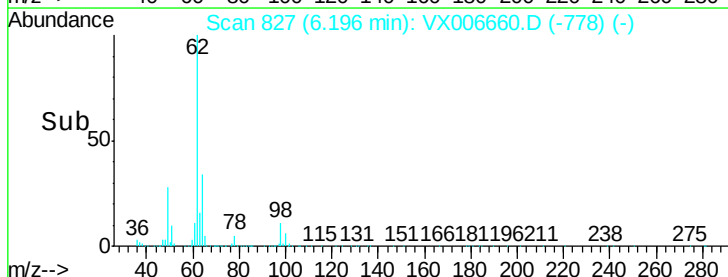
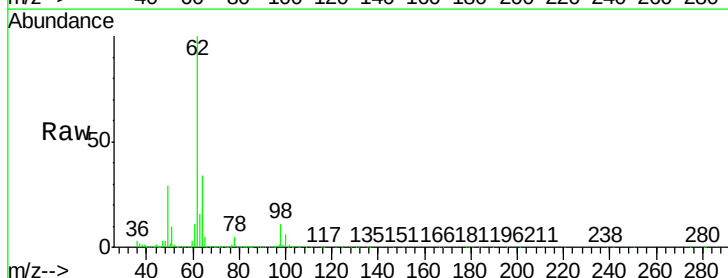
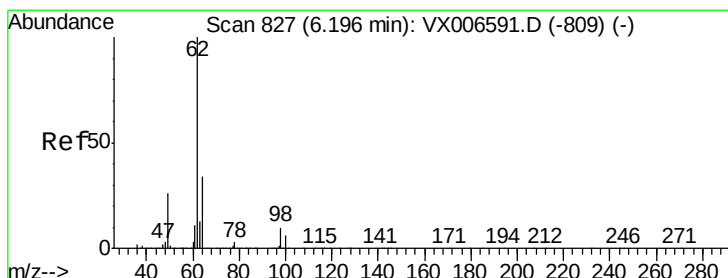
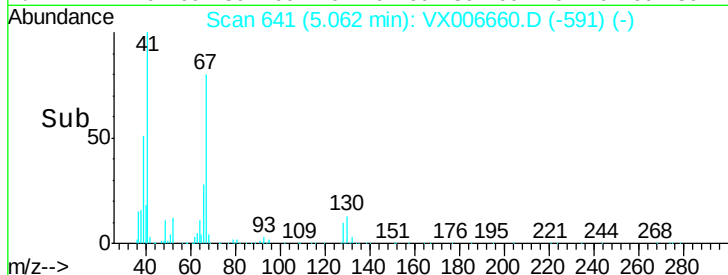
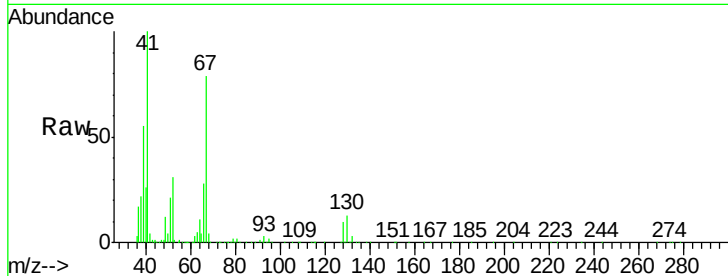
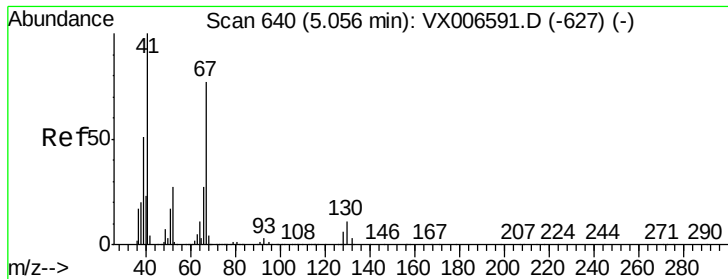
MMDadoda
12/20/2018 10:00:55 AM



#40
Benzene
Concen: 49.494 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8





#41

Methacrylonitrile

Concen: 51.898 ug/l

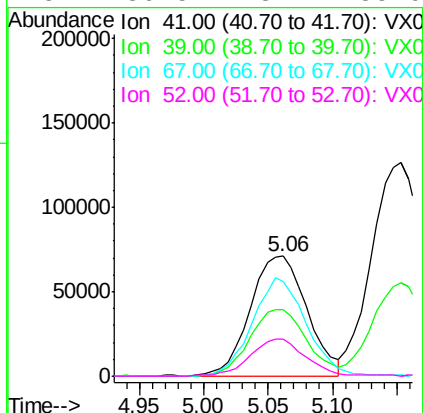
RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.7	42.8	64.2
67	78.4	62.1	93.1
52	30.5	23.4	35.0



Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Manual Integrations
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MMDadoda
12/20/2018 10:00:55 AM

#42

1,2-Dichloroethane

Concen: 48.317 ug/l

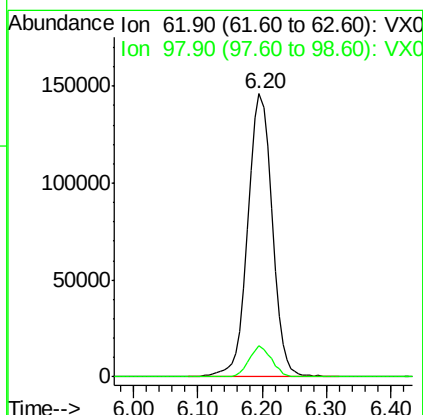
RT: 6.20 min Scan# 827

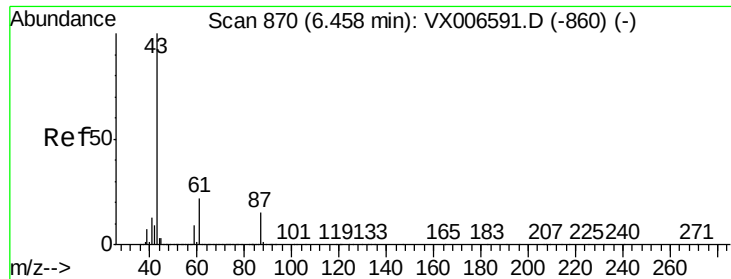
Delta R.T. -0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.2





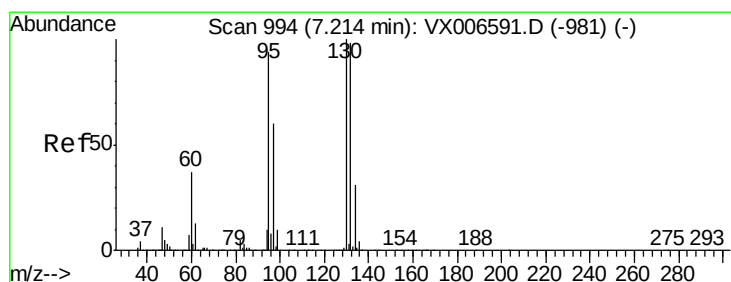
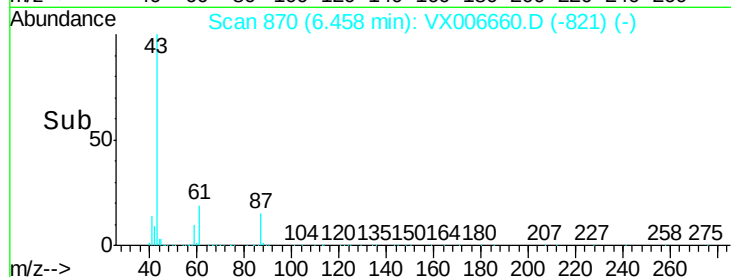
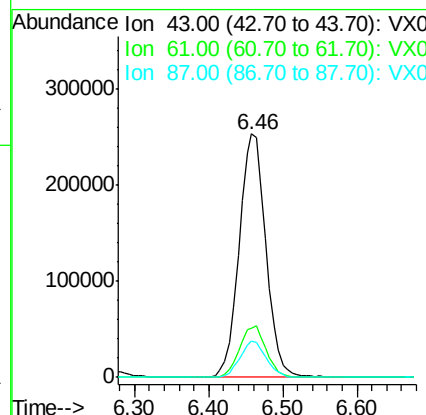
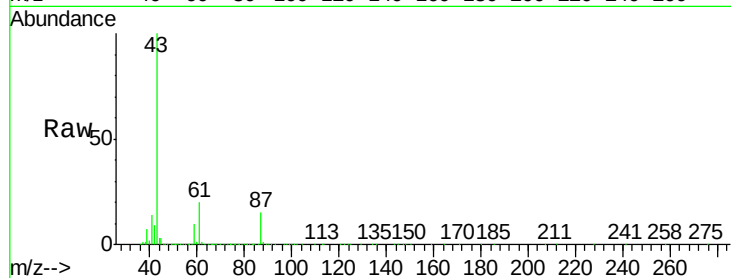
#43
Isopropyl Acetate
Concen: 53.001 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.8	25.2
87	14.7	12.4	18.6

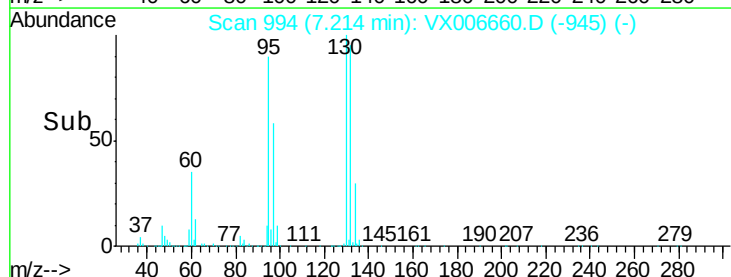
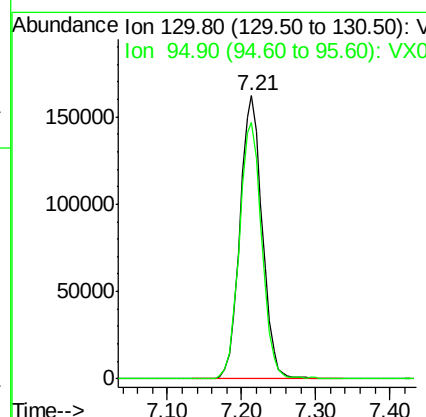
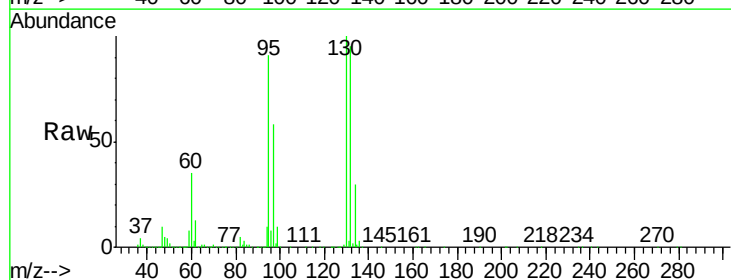
Manual Integrations
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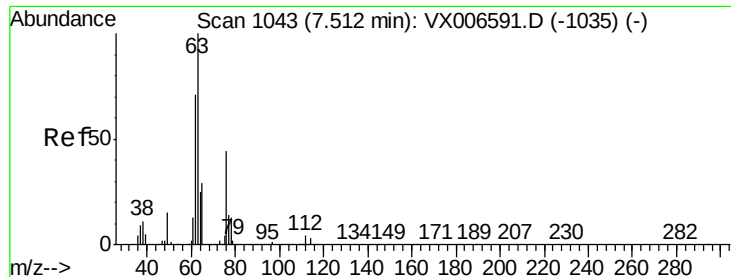
MMDadoda
12/20/2018 10:00:55 AM



#44
Trichloroethene
Concen: 48.845 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.6	0.0	187.0





#45

1,2-Dichloropropane

Concen: 50.449 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 282308

Ion Ratio Lower Upper

63 100

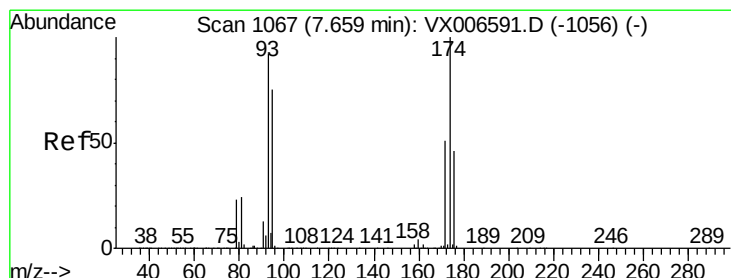
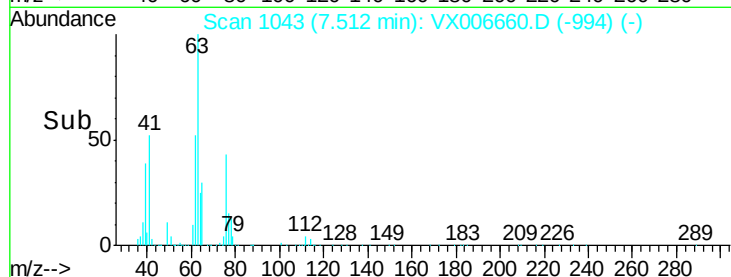
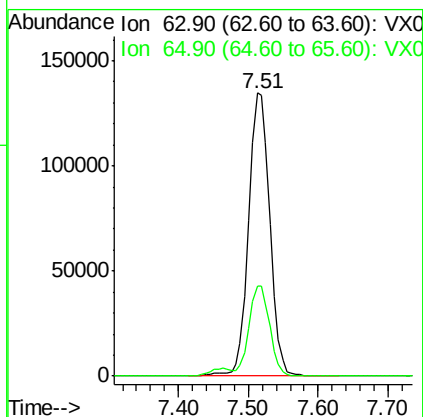
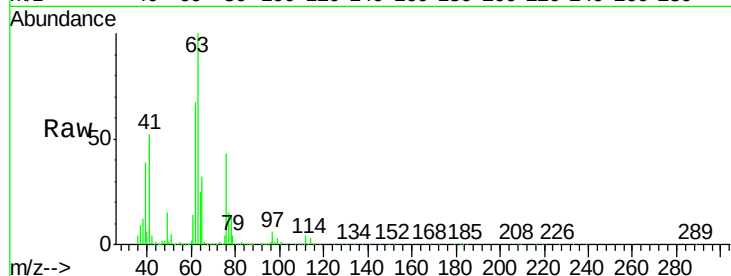
65 31.7 25.4 38.0

Manual Integrations

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#46

Dibromomethane

Concen: 49.241 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

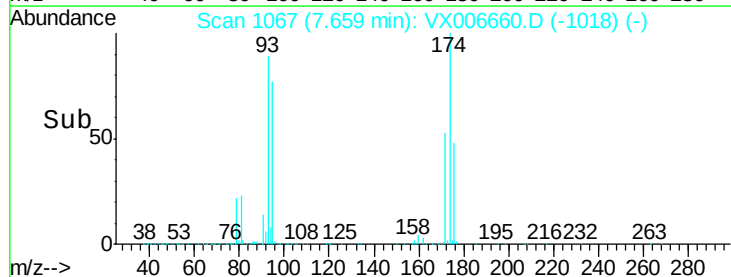
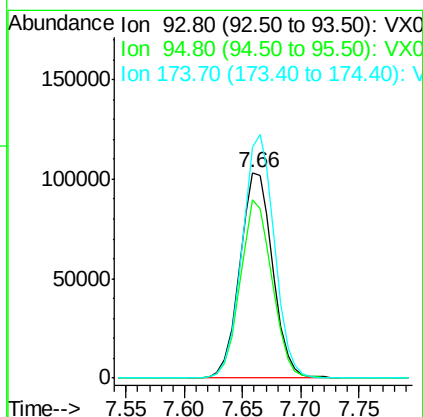
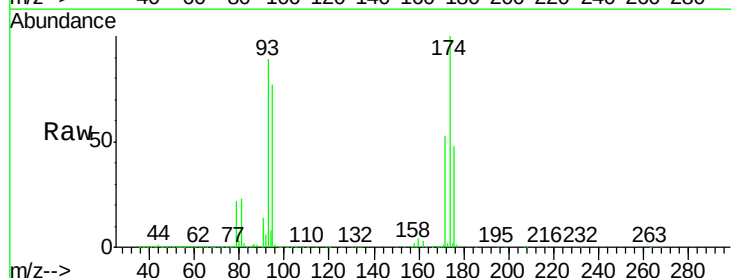
Tgt Ion: 93 Resp: 202681

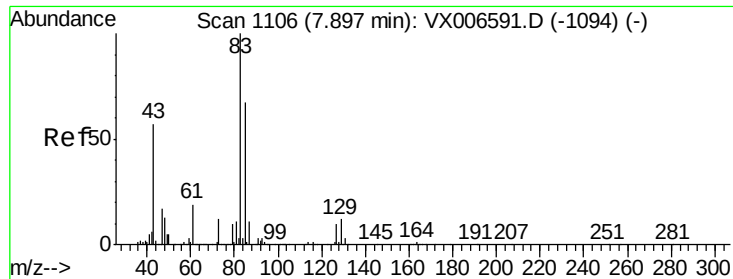
Ion Ratio Lower Upper

93 100

95 84.8 66.2 99.4

174 116.4 91.0 136.4





#47

Bromodichloromethane

Concen: 50.993 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Instrument :

MSVOA_X

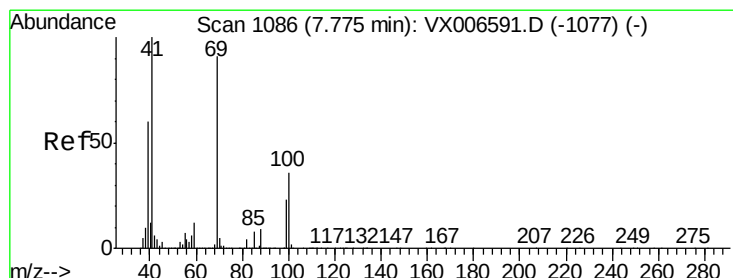
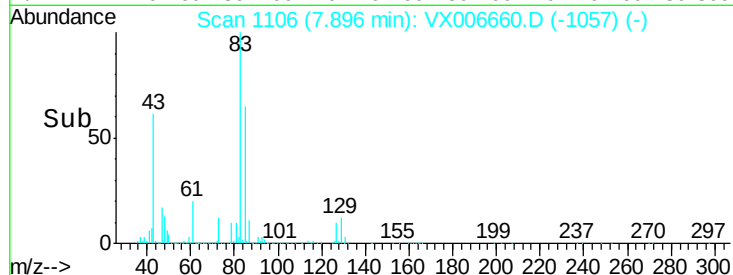
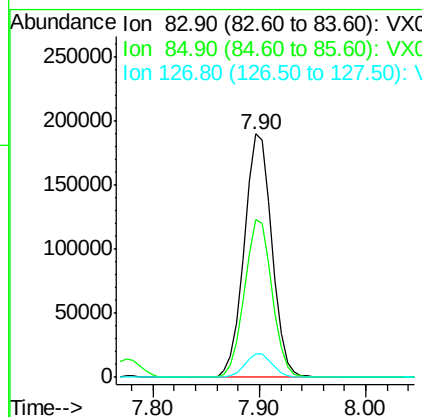
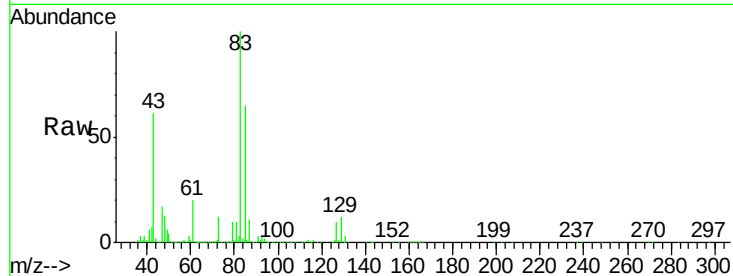
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	348469
Ion	Ratio	Lower	Upper
83	100		
85	64.7	53.2	79.8
127	9.6	7.8	11.6

Manual Integrations
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12/20/2018 10:00:55 AM



#48

Methyl methacrylate

Concen: 53.973 ug/l

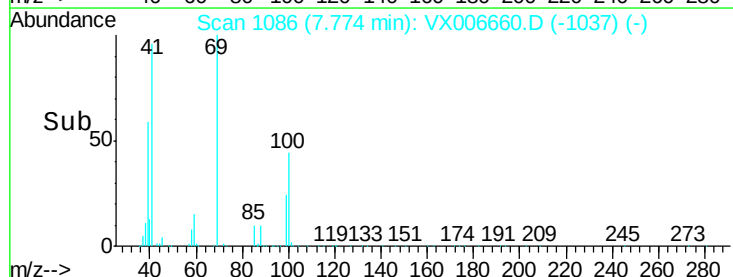
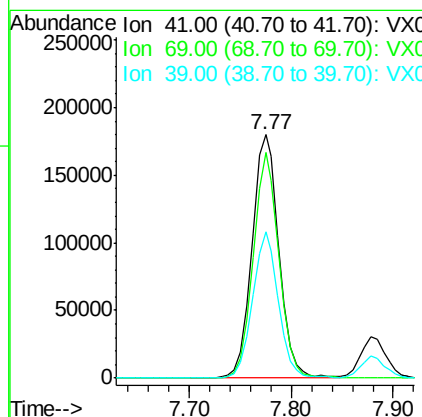
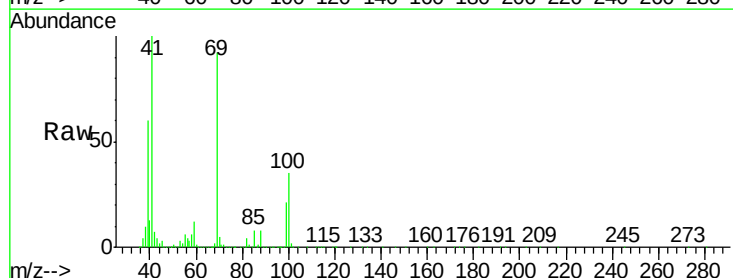
RT: 7.77 min Scan# 1086

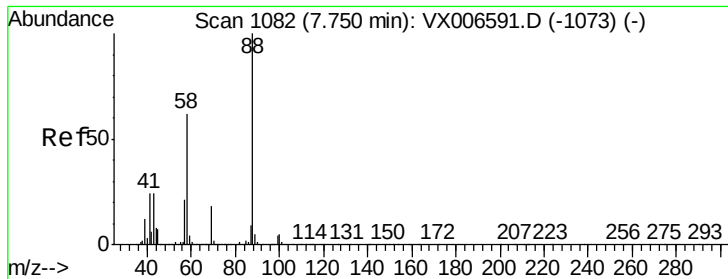
Delta R.T. -0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Tgt Ion:	41	Resp:	328830
Ion	Ratio	Lower	Upper
41	100		
69	89.6	72.4	108.6
39	57.7	45.8	68.8





#49

1,4-Dioxane

Concen: 1043.449 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Instrument :

MSVOA_X

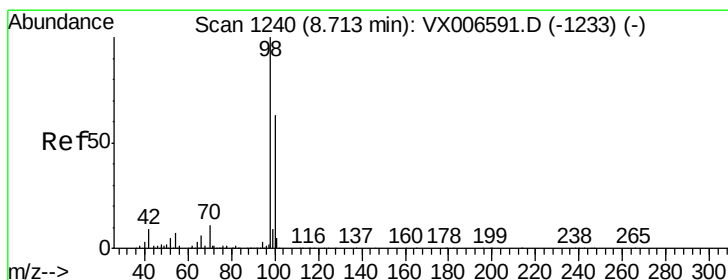
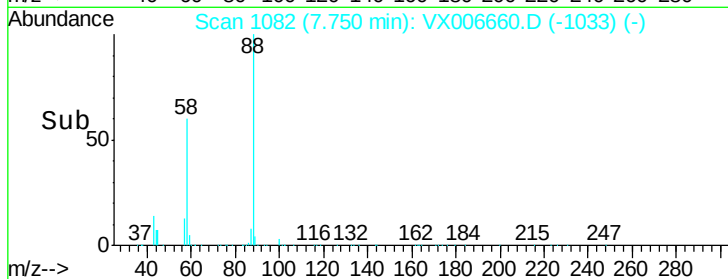
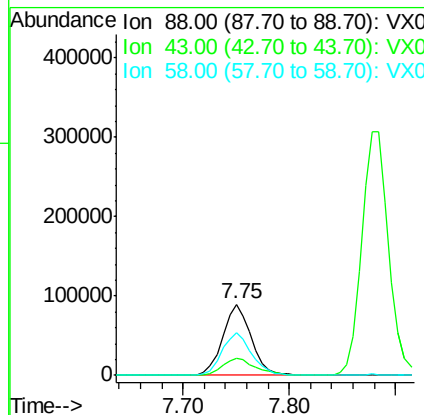
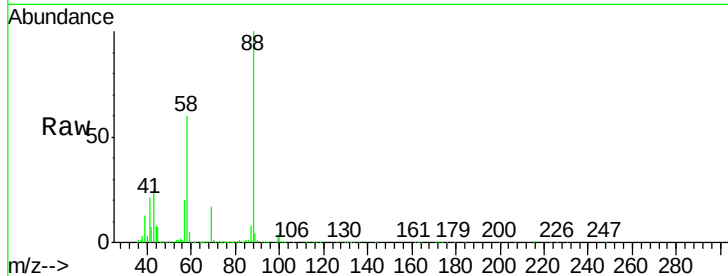
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	166194
Ion	Ratio	Lower	Upper
88	100		
43	28.4	22.2	33.4
58	62.8	51.0	76.4

Manual Integrations
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12/20/2018 10:00:55 AM



#50

Toluene-d8

Concen: 47.127 ug/l

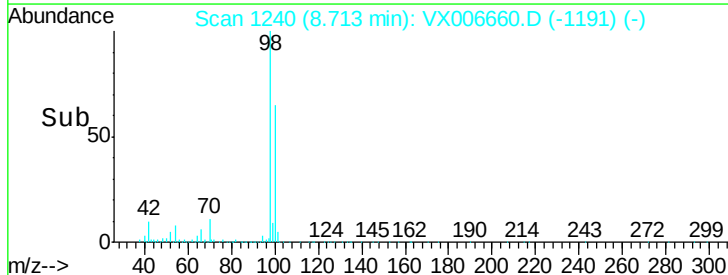
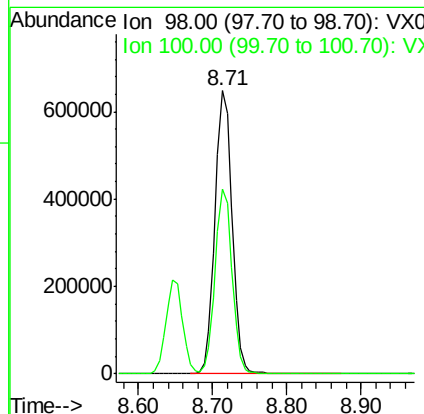
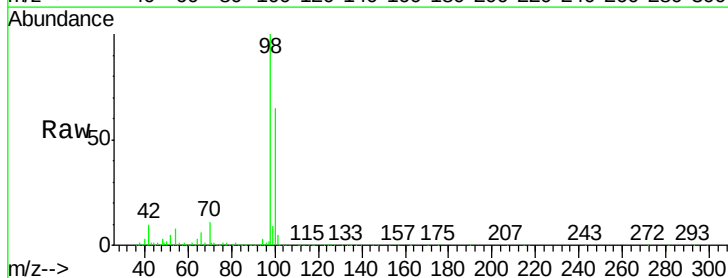
RT: 8.71 min Scan# 1240

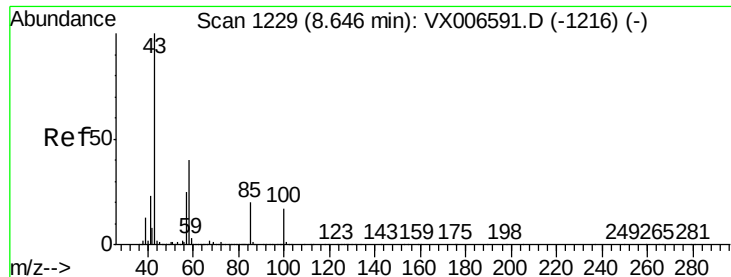
Delta R.T. -0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Tgt Ion:	98	Resp:	1026254
Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 267.790 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2041325

Ion Ratio Lower Upper

43 100

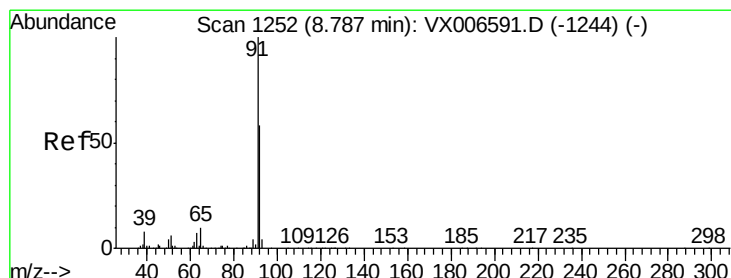
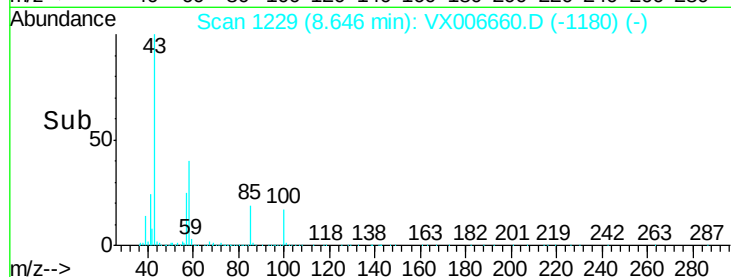
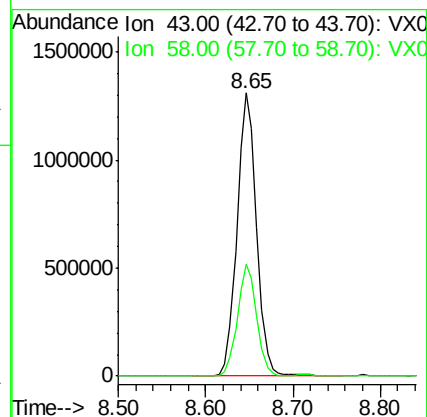
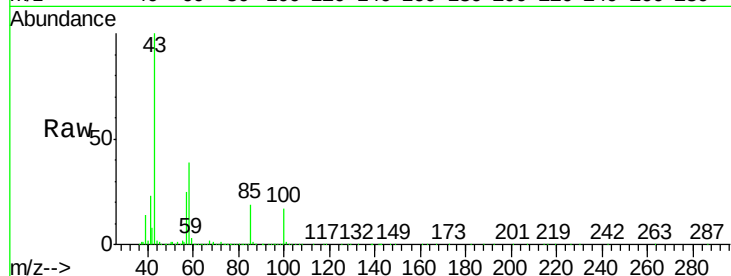
58 38.8 31.8 47.6

Manual Integrations

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#52

Toluene

Concen: 50.737 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006660.D

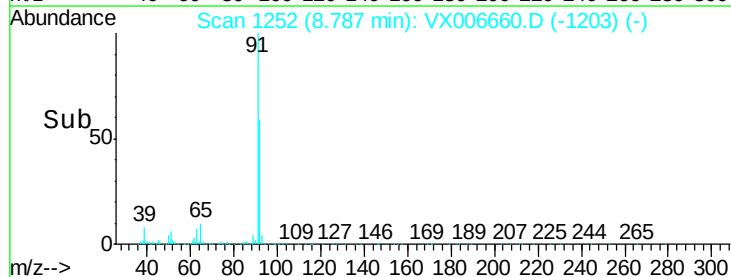
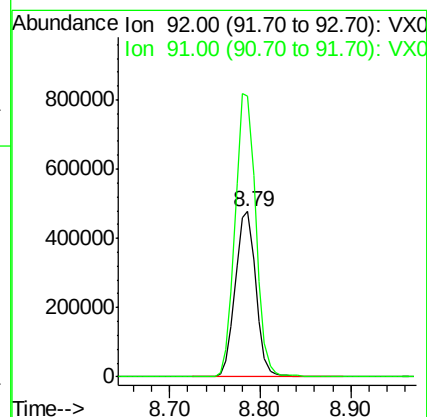
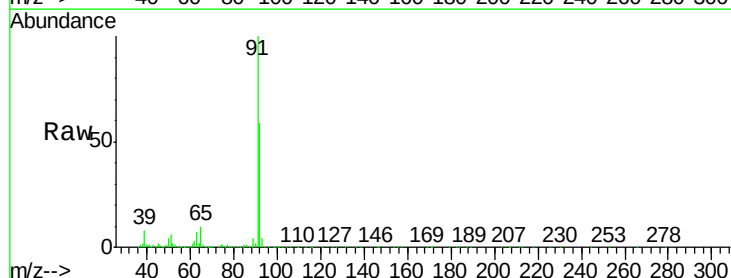
Acq: 20 Dec 2018 01:37

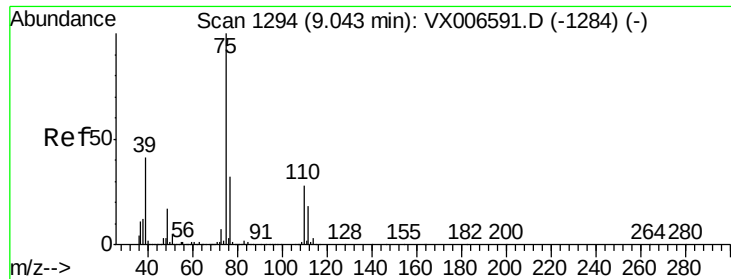
Tgt Ion: 92 Resp: 753759

Ion Ratio Lower Upper

92 100

91 172.9 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 51.273 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 375781

Ion Ratio Lower Upper

75 100

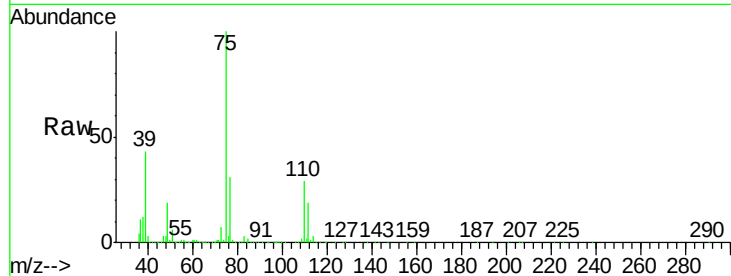
77 31.2 25.4 38.0

Manual Integrations

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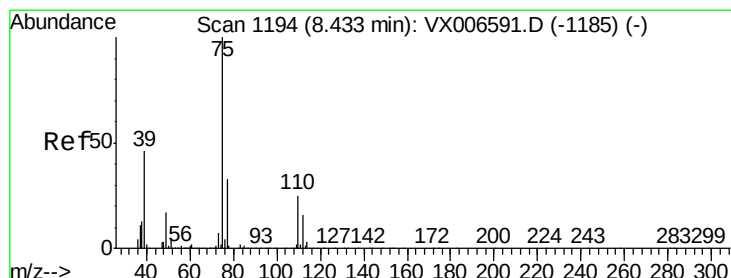
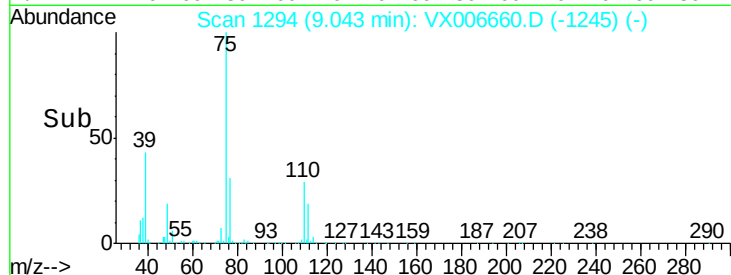
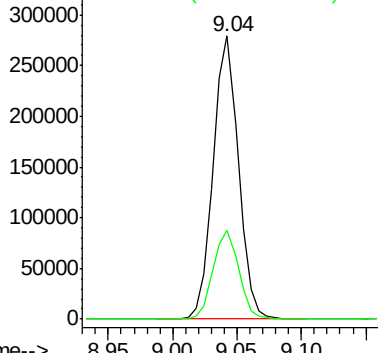
MMDadoda

12/20/2018 10:00:55 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 52.590 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

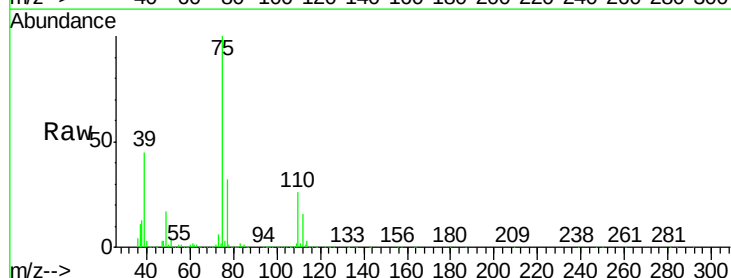
Tgt Ion: 75 Resp: 422921

Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.2

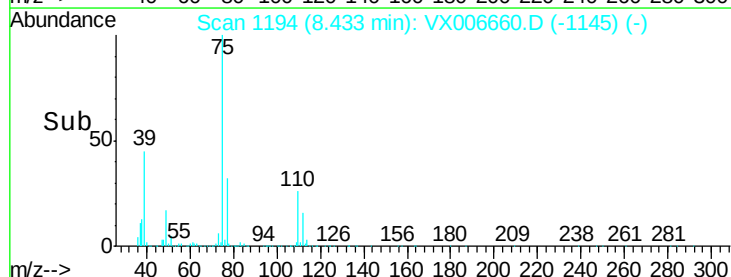
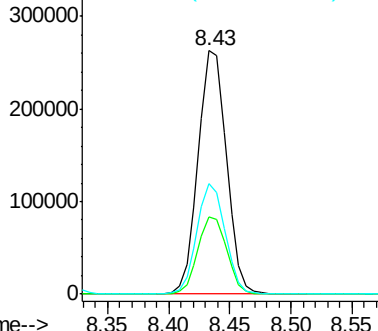
39 45.0 36.7 55.1

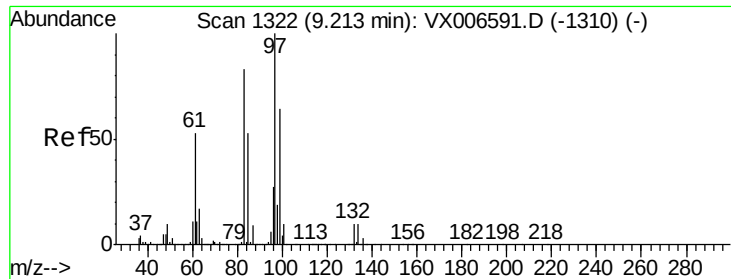


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 50.687 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Instrument :

MSVOA_X

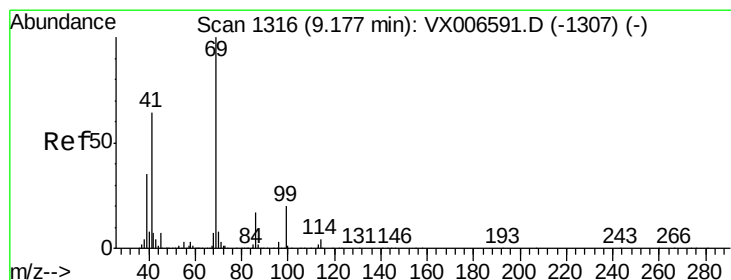
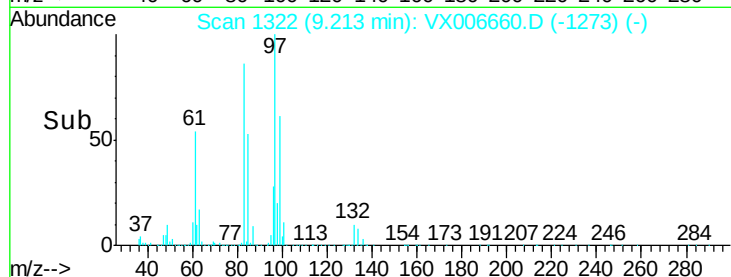
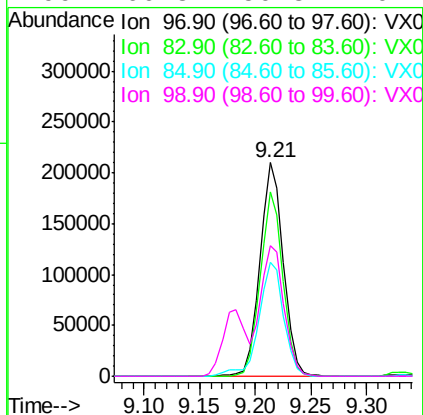
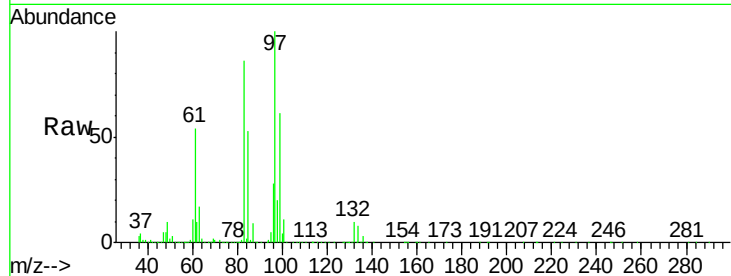
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		308222		
83	86.4	66.6	99.8		
85	53.4	42.7	64.1		
99	60.8	50.8	76.2		

Manual Integrations
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12/20/2018 10:00:55 AM



#56

Ethyl methacrylate

Concen: 53.444 ug/l

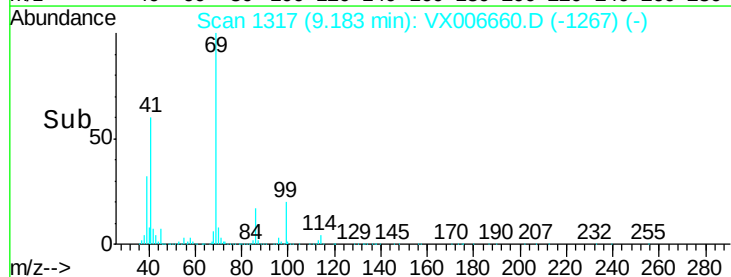
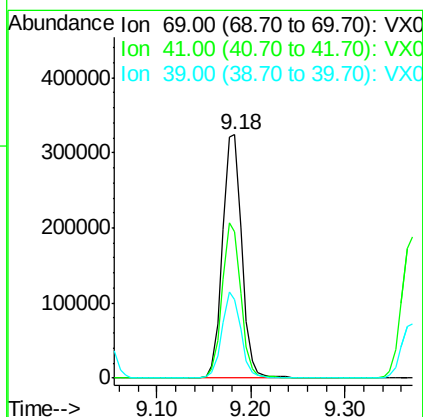
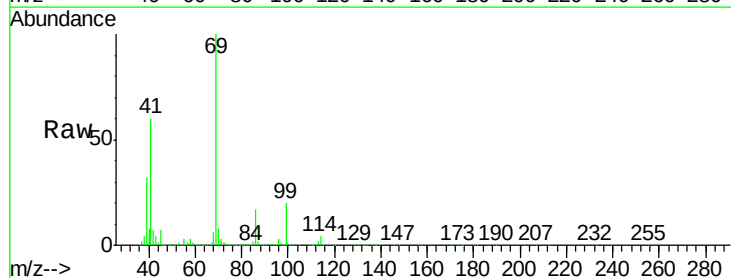
RT: 9.18 min Scan# 1317

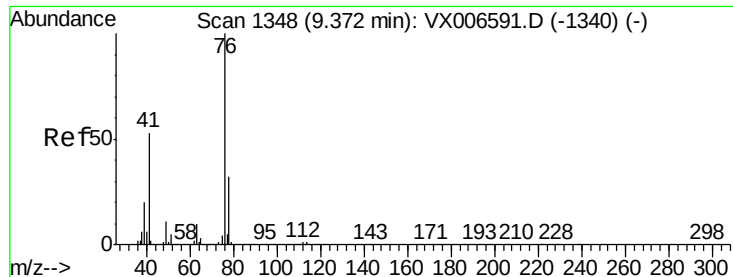
Delta R.T. 0.01 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		459325		
41	61.7	48.7	73.1		
39	34.6	27.0	40.6		





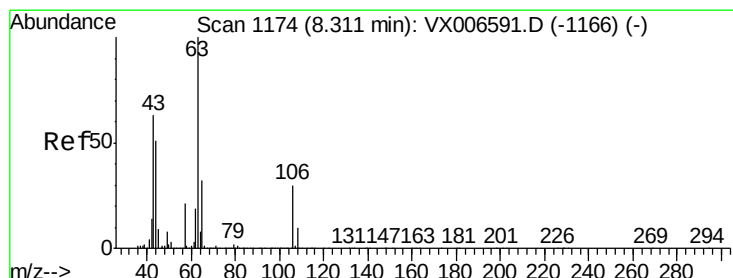
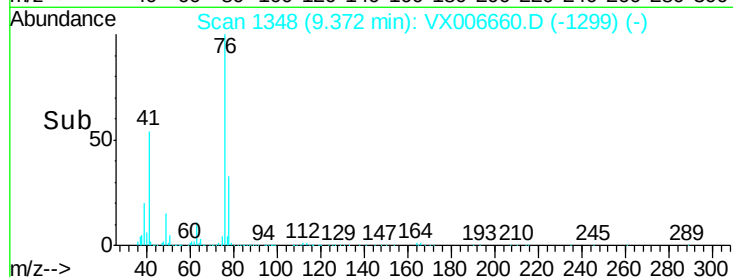
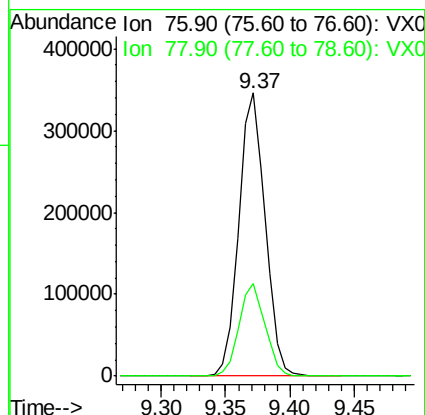
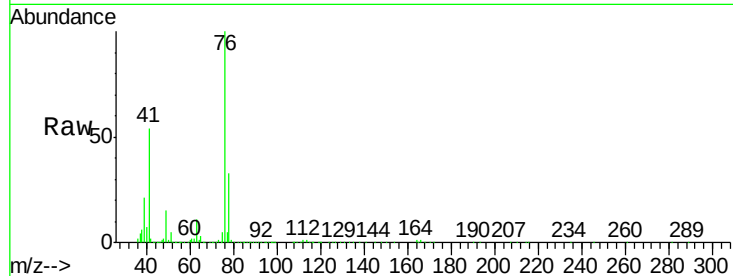
#57
 1,3-Dichloropropane
 Concen: 50.082 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX006660.D
 Acq: 20 Dec 2018 01:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.0	39.0

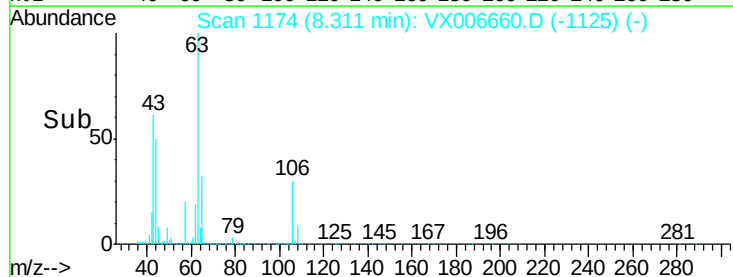
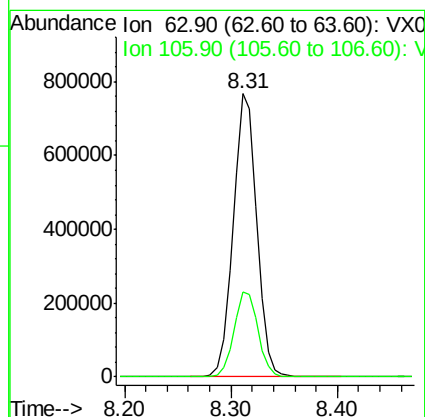
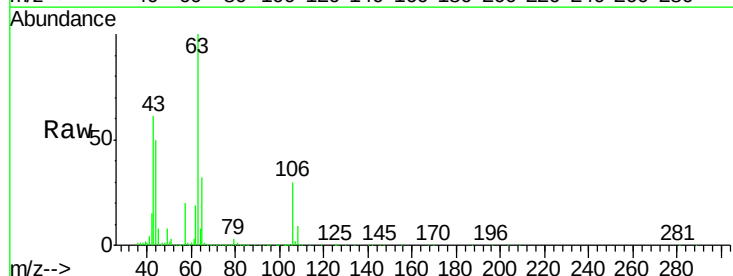
Manual Integrations
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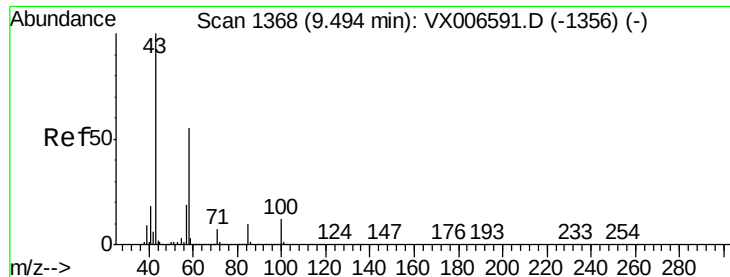
MMDadoda
 12/20/2018 10:00:55 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.436 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX006660.D
 Acq: 20 Dec 2018 01:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.7	24.6	36.8





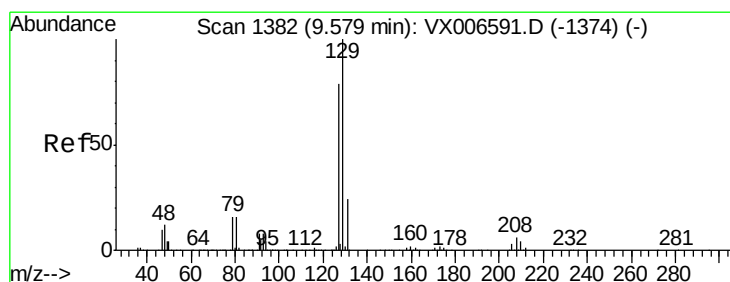
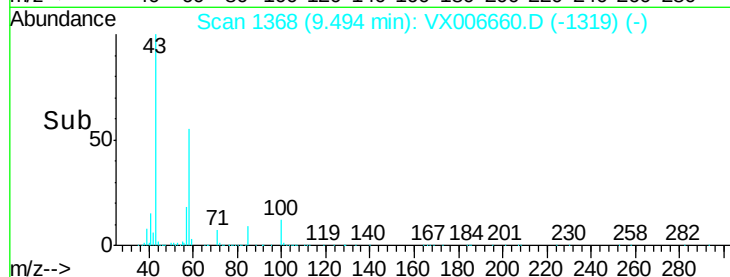
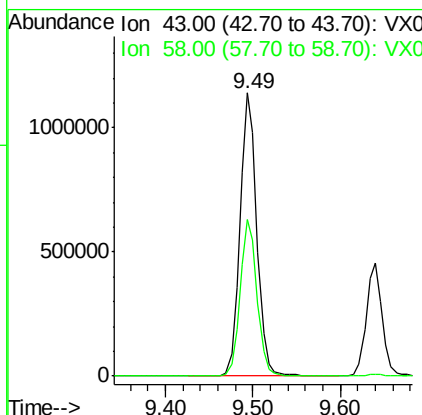
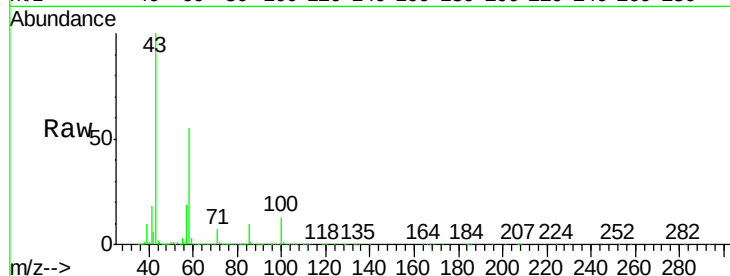
#59
2-Hexanone
Concen: 262.111 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1528732
Ion Ratio Lower Upper
43 100
58 55.7 27.7 83.1

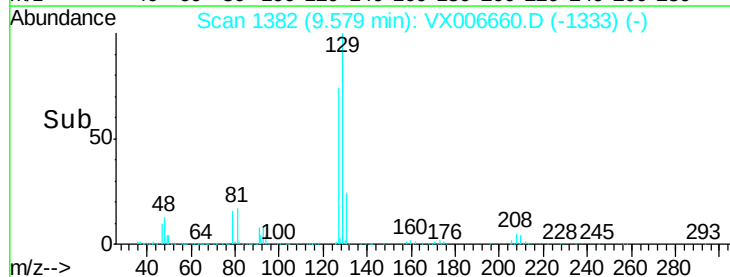
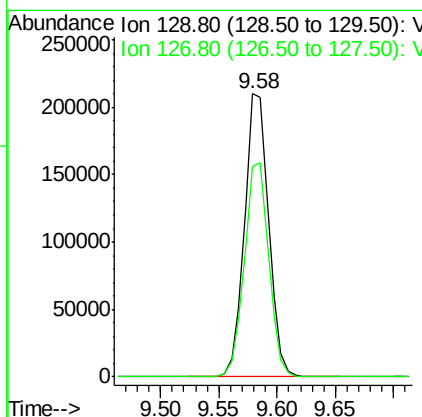
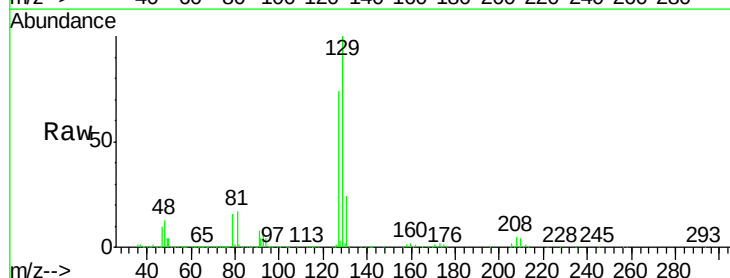
Manual Integrations
APPROVED

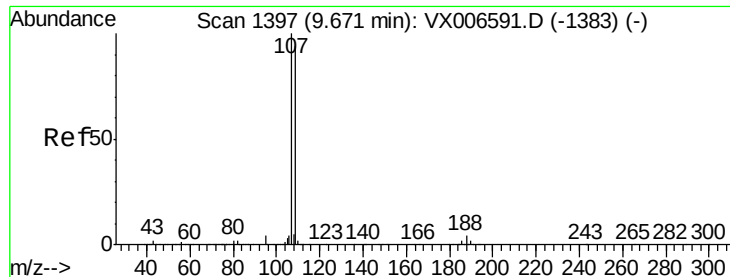
MMDadoda
12/20/2018 10:00:55 AM



#60
Dibromochloromethane
Concen: 48.152 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Tgt Ion: 129 Resp: 305669
Ion Ratio Lower Upper
129 100
127 76.4 39.3 117.8





#61

1,2-Dibromoethane

Concen: 51.614 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 333642

Ion Ratio Lower Upper

107 100

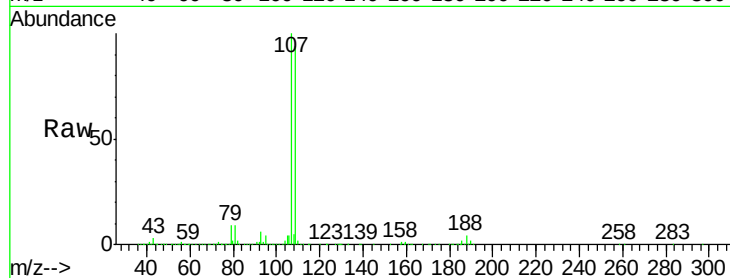
109 94.5 75.8 113.6

Manual Integrations

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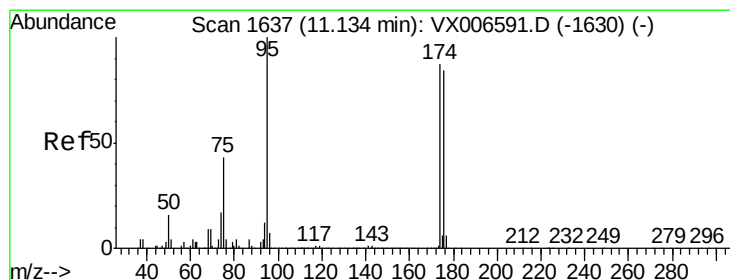
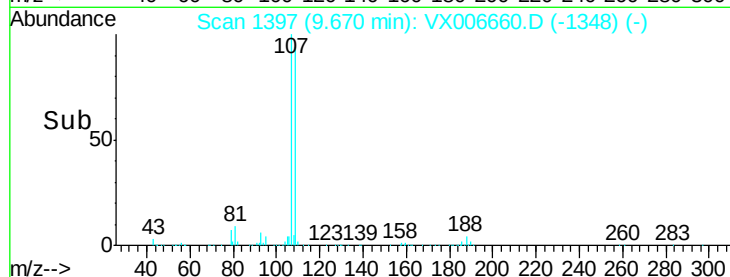
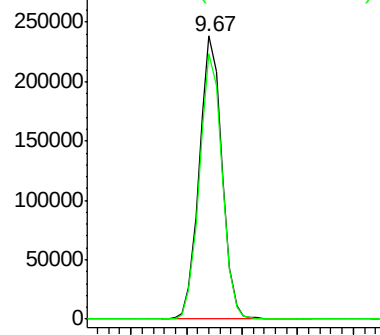
MMDadoda

12/20/2018 10:00:55 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.927 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

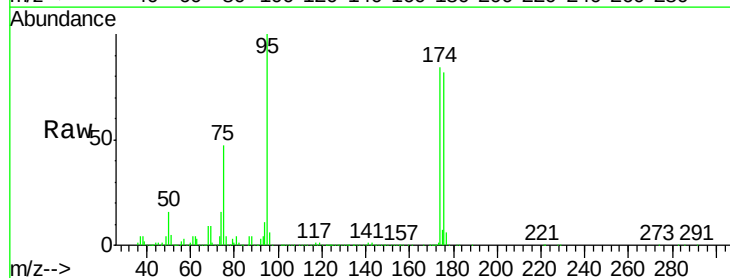
Tgt Ion: 95 Resp: 382243

Ion Ratio Lower Upper

95 100

174 91.8 0.0 182.2

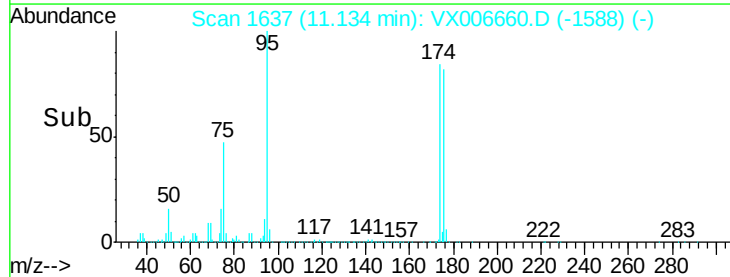
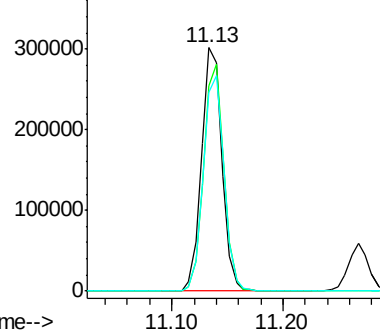
176 89.9 0.0 178.8

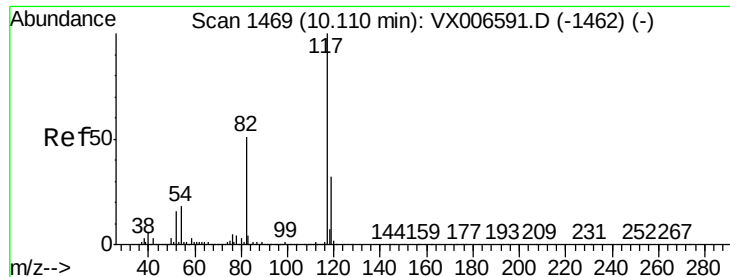


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





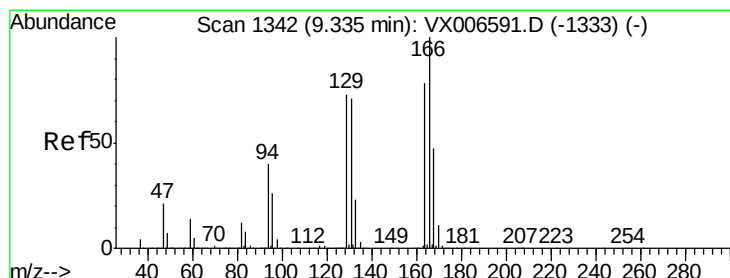
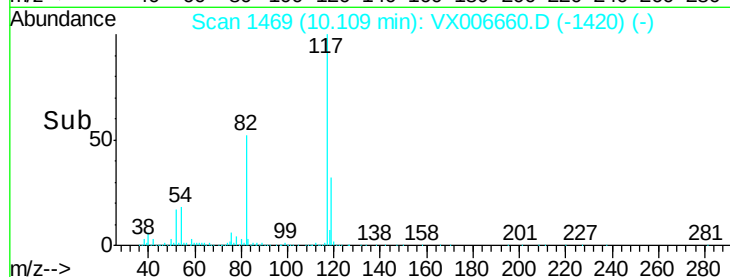
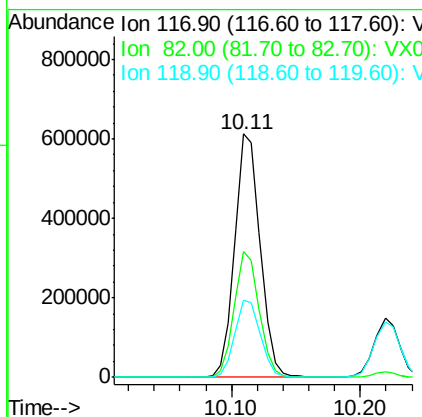
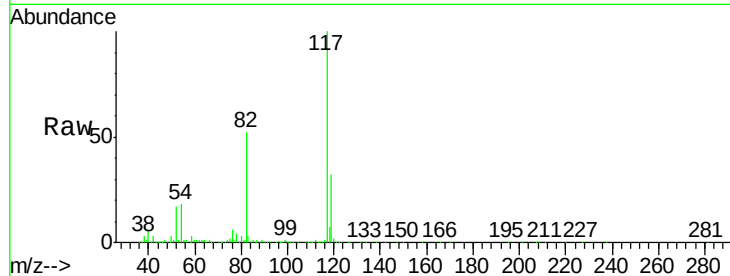
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	41.0	61.6
119	31.5	25.4	38.0

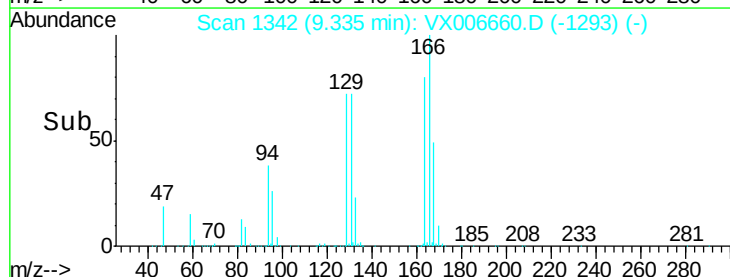
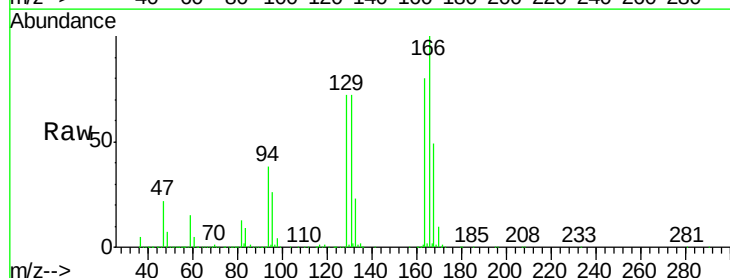
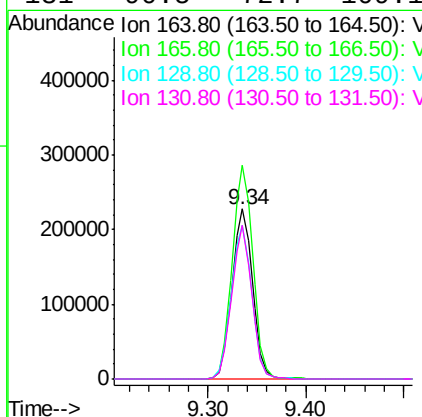
Manual Integrations
APPROVED

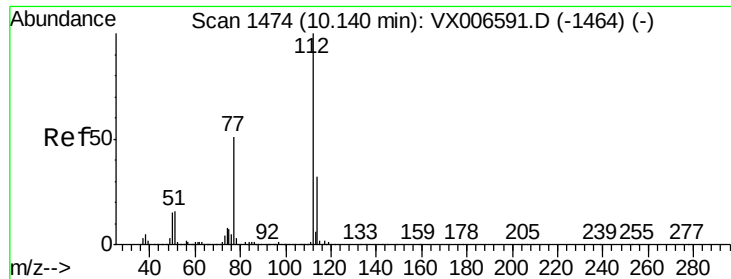
MMDadoda
12/20/2018 10:00:55 AM



#64
Tetrachloroethene
Concen: 49.807 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	102.5	153.7
129	90.4	75.1	112.7
131	90.5	72.7	109.1





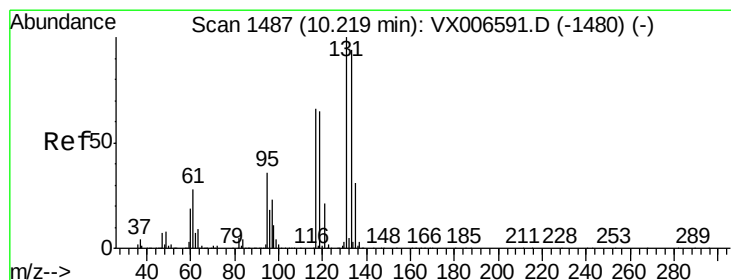
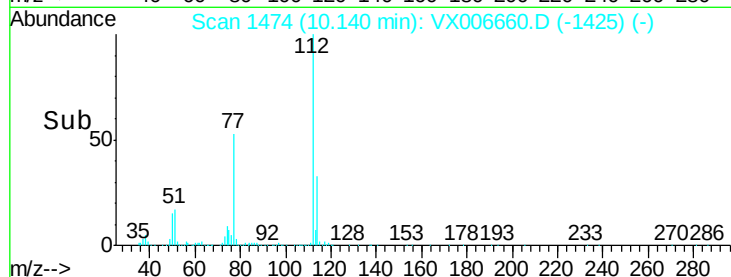
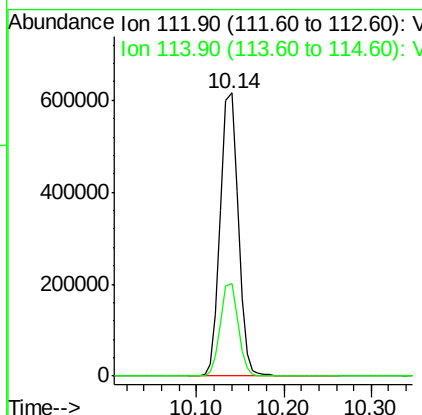
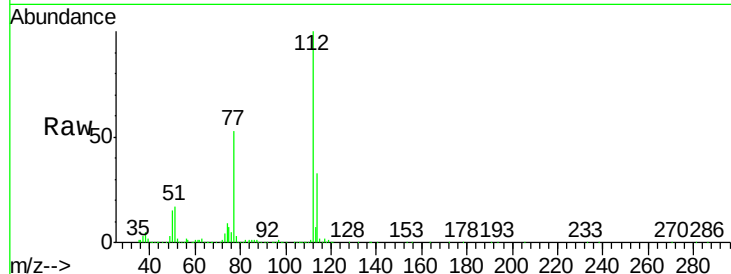
#65
Chlorobenzene
Concen: 48.966 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 876043
Ion Ratio Lower Upper
112 100
114 32.6 25.7 38.5

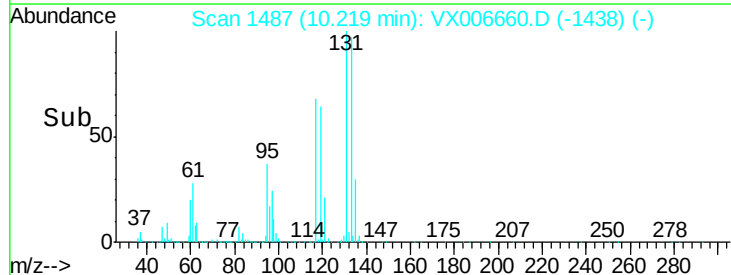
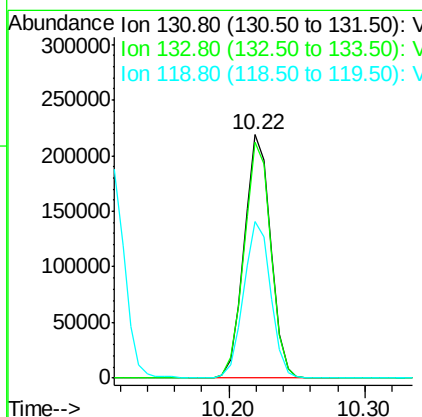
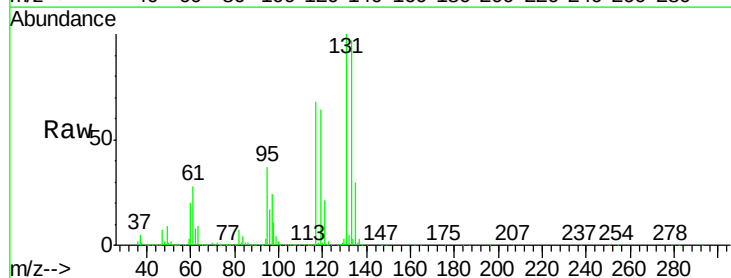
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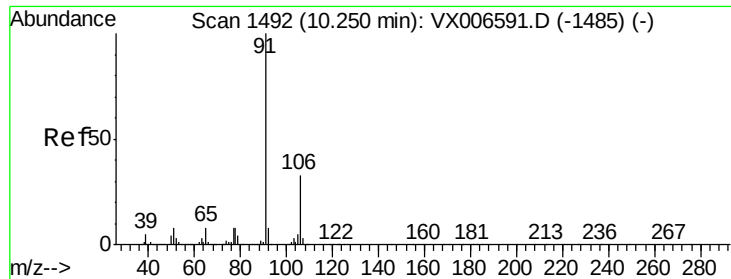
MMDadoda
12/20/2018 10:00:55 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.555 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Tgt Ion:131 Resp: 298938
Ion Ratio Lower Upper
131 100
133 97.4 48.0 144.2
119 65.5 32.6 97.8





#67

Ethyl Benzene

Concen: 49.811 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1456216

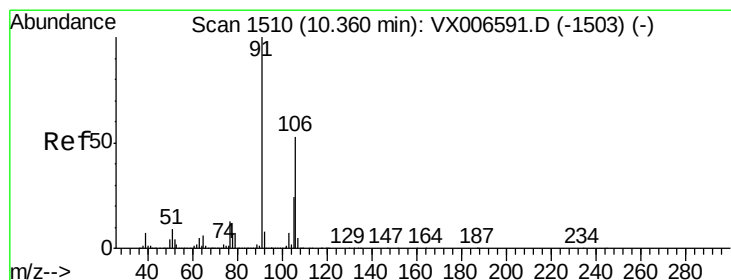
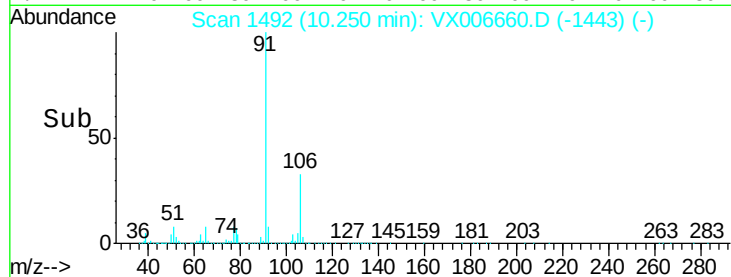
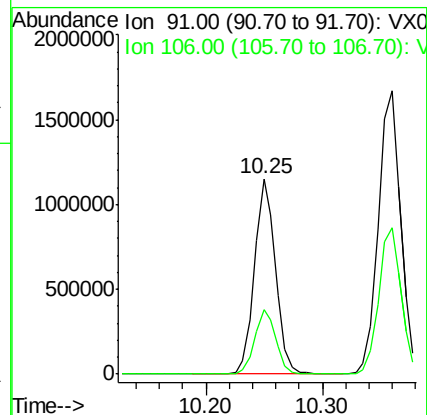
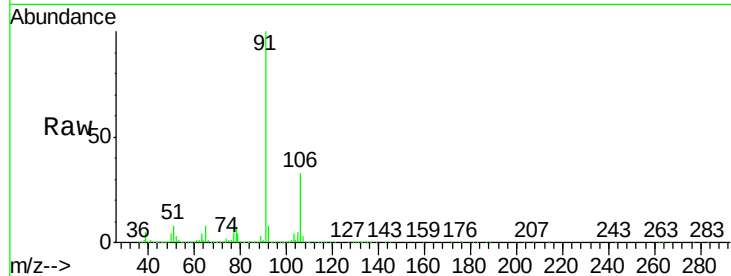
Ion Ratio Lower Upper

91 100

106 32.9 26.4 39.6

Manual Integrations
APPROVED

MMDadoda
12/20/2018 10:00:55 AM



#68

m/p-Xylenes

Concen: 101.069 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006660.D

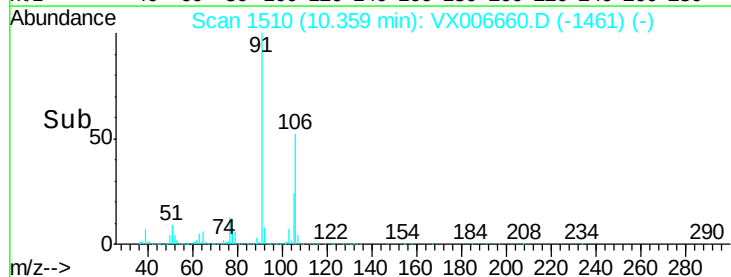
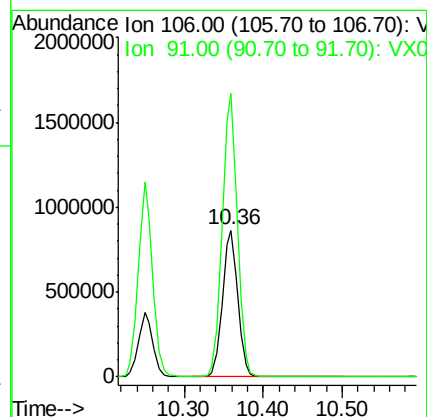
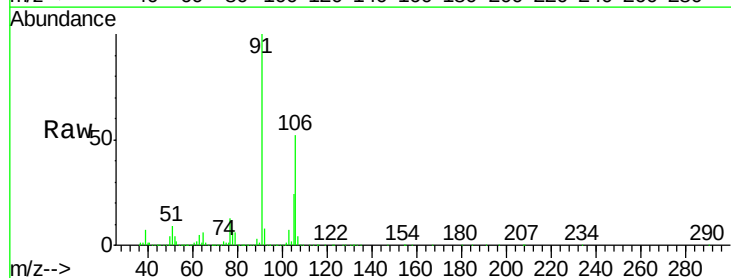
Acq: 20 Dec 2018 01:37

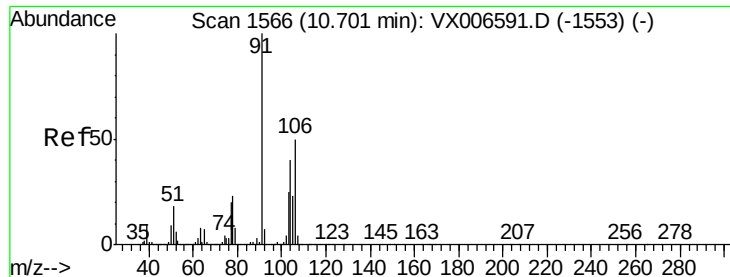
Tgt Ion: 106 Resp: 1165935

Ion Ratio Lower Upper

106 100

91 192.1 155.8 233.6





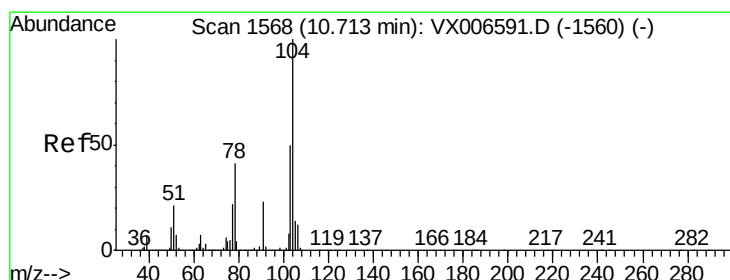
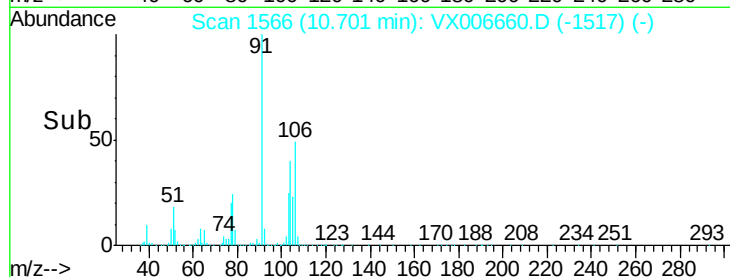
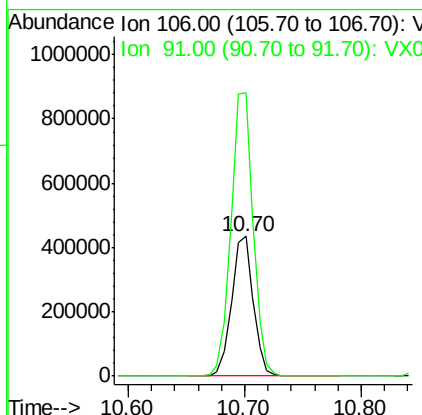
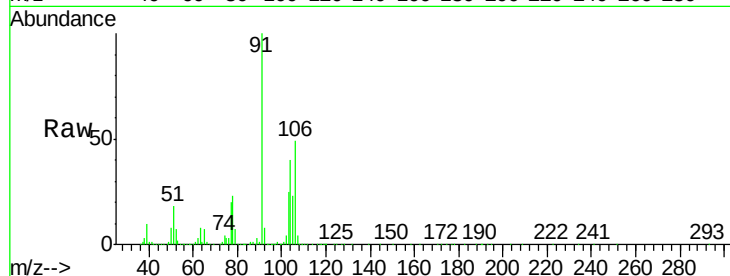
#69
o-Xylene
Concen: 49.722 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	206.6	101.3	303.7	

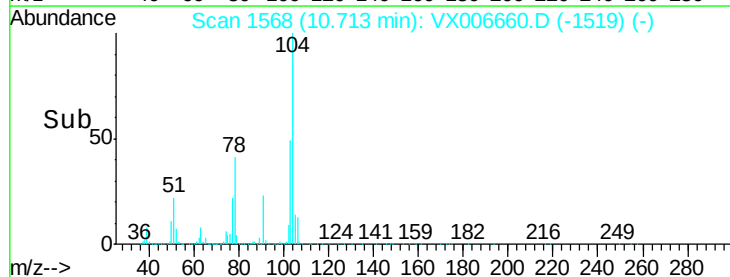
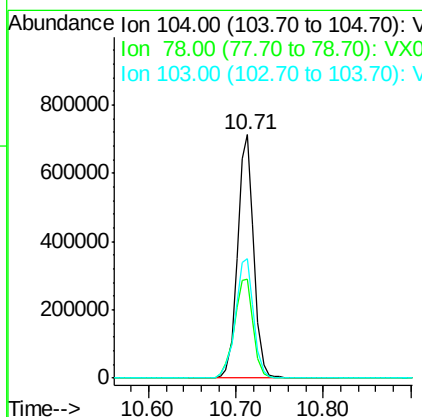
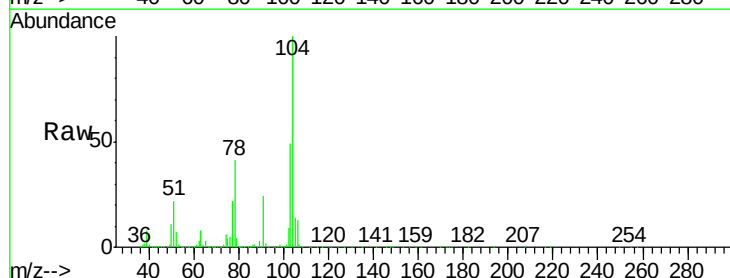
Manual Integrations
APPROVED

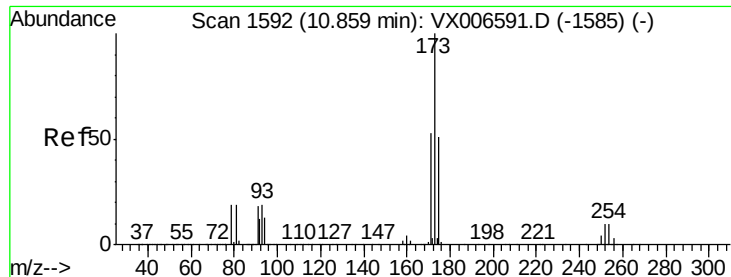
MMDadoda
12/20/2018 10:00:55 AM



#70
Styrene
Concen: 51.339 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.3	37.7	56.5	
103	55.1	43.8	65.8	





#71

Bromoform

Concen: 44.981 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 224003

Ion Ratio Lower Upper

173 100

175 48.8 24.7 74.1

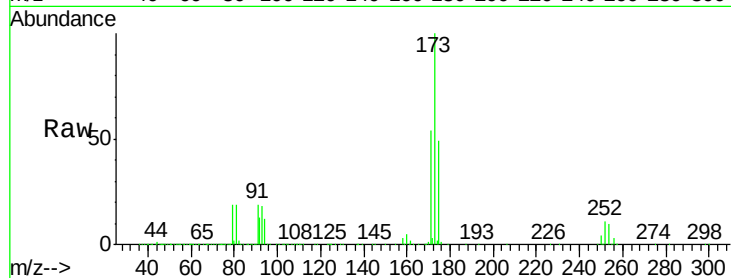
254 0.2 0.2 0.2

Manual Integrations

APPROVED

MMDadoda

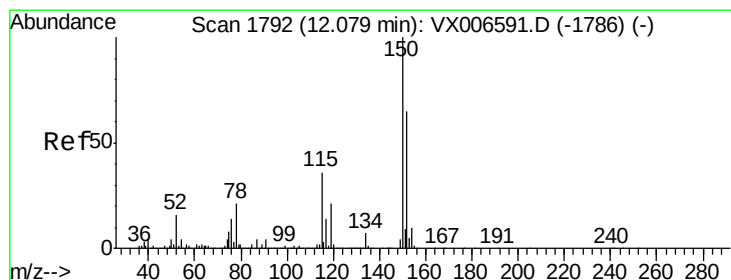
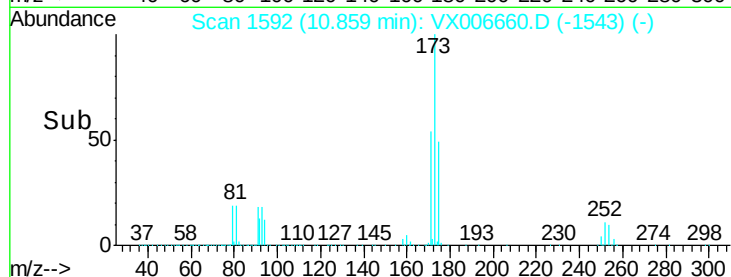
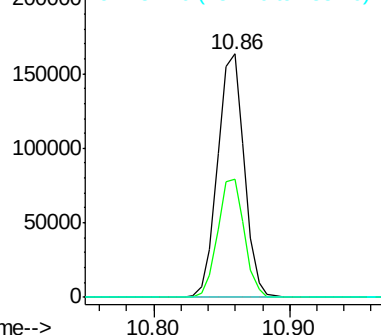
12/20/2018 10:00:55 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

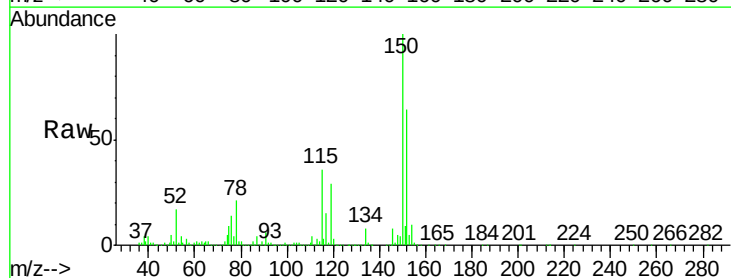
Tgt Ion:152 Resp: 437427

Ion Ratio Lower Upper

152 100

115 78.7 39.1 117.2

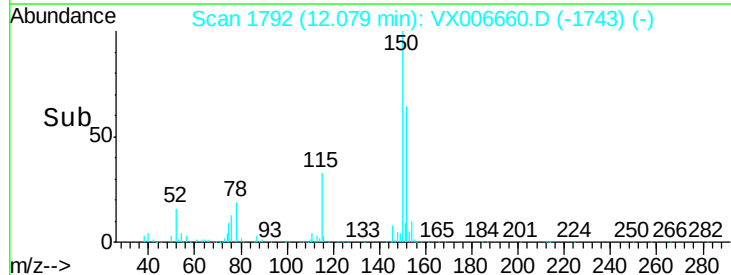
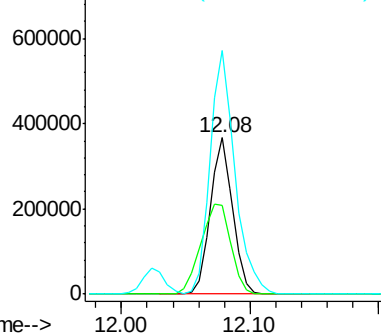
150 174.9 0.0 344.8

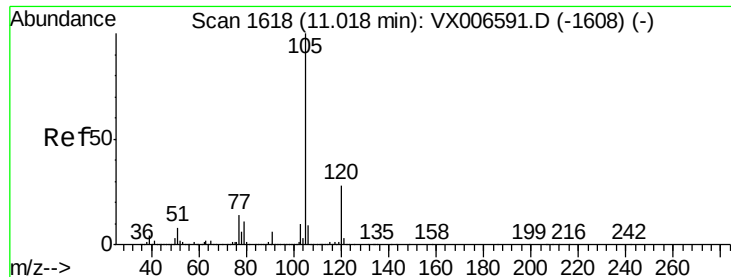


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.284 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1504757

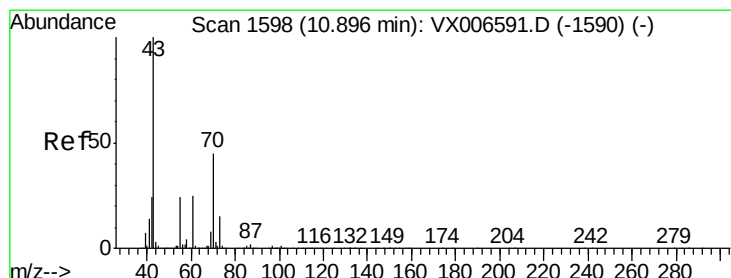
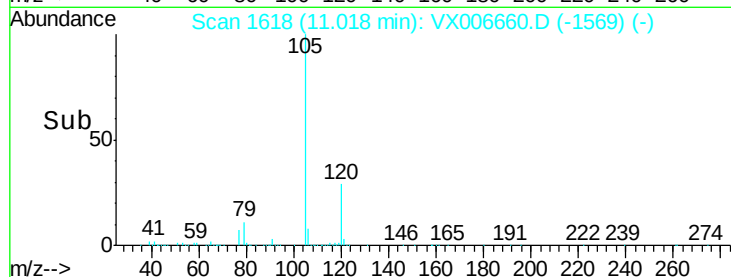
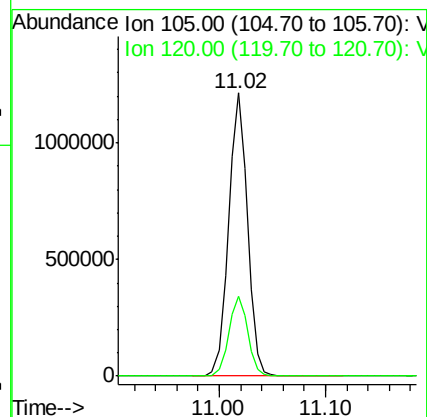
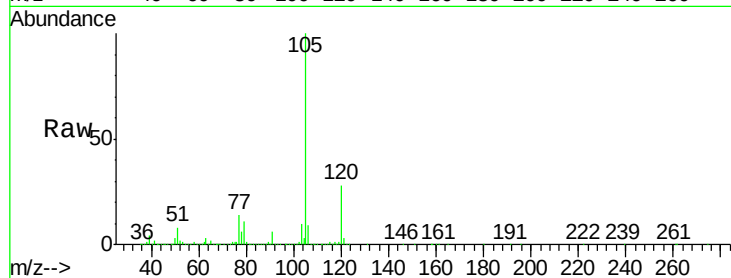
Ion Ratio Lower Upper

105 100

120 28.2 14.1 42.4

Manual Integrations
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12/20/2018 10:00:55 AM



#74

N-ethyl acetate

Concen: 54.180 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Tgt Ion: 43 Resp: 580346

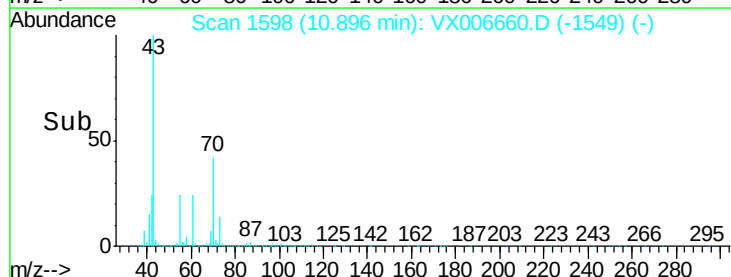
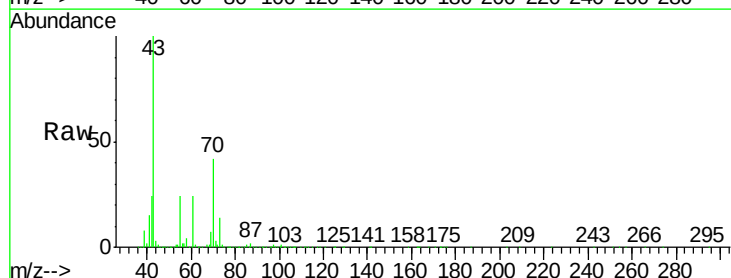
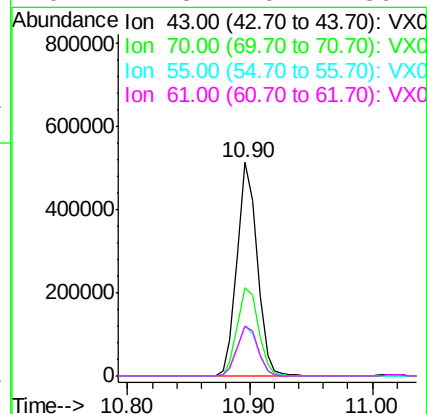
Ion Ratio Lower Upper

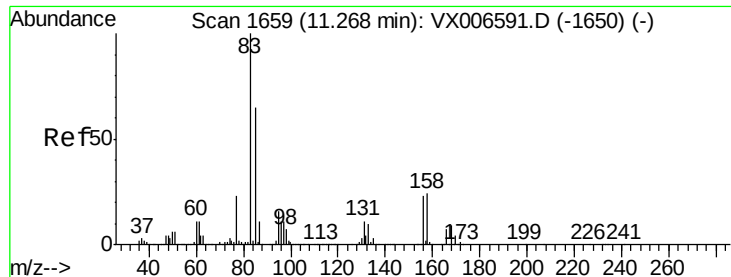
43 100

70 43.9 35.8 53.8

55 24.3 19.4 29.0

61 24.3 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 51.275 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 456337

Ion Ratio Lower Upper

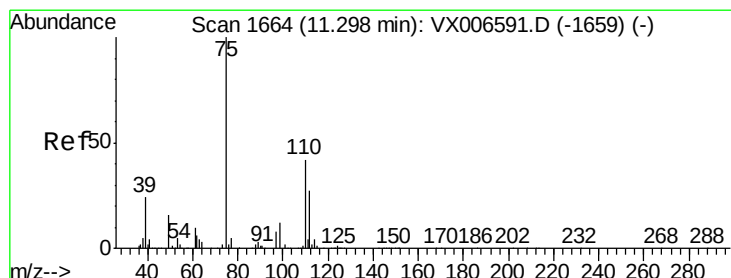
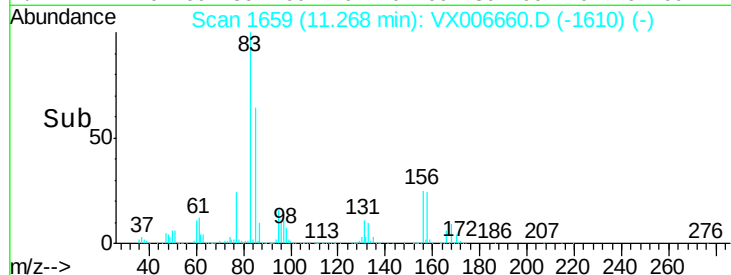
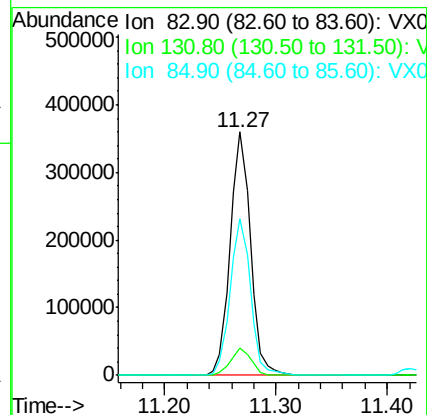
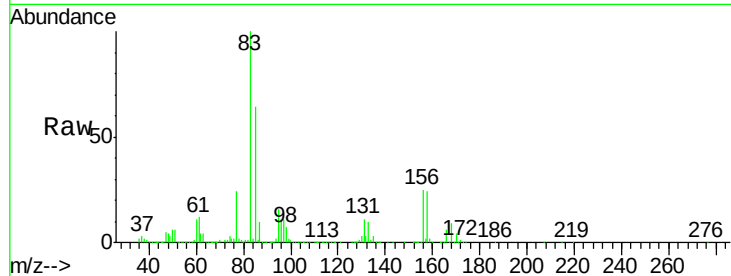
83 100

131 11.1 5.7 17.1

85 64.7 32.2 96.6

Manual Integrations
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12/20/2018 10:00:55 AM



#76

1,2,3-Trichloropropane

Concen: 51.999 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX006660.D

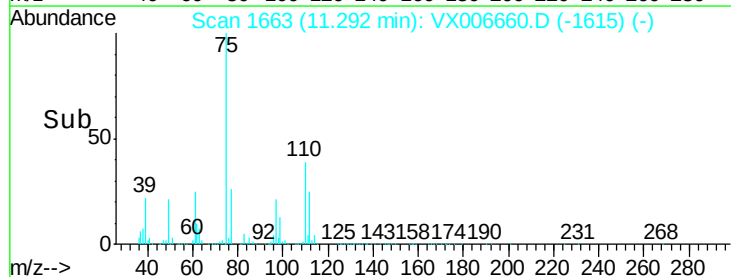
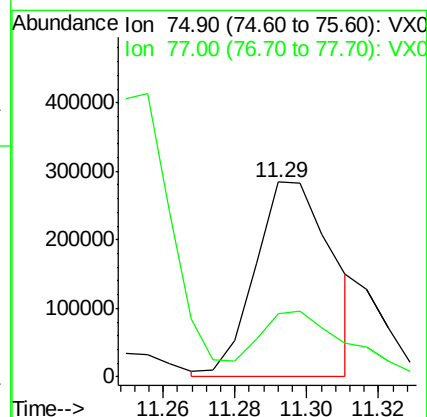
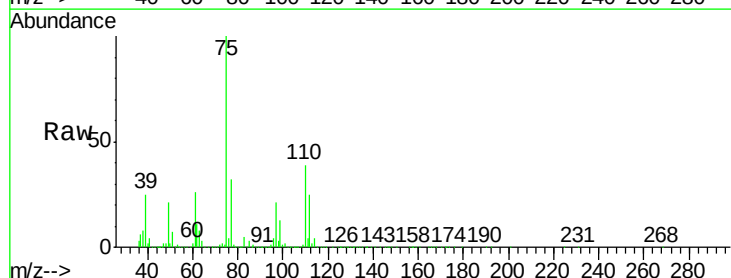
Acq: 20 Dec 2018 01:37

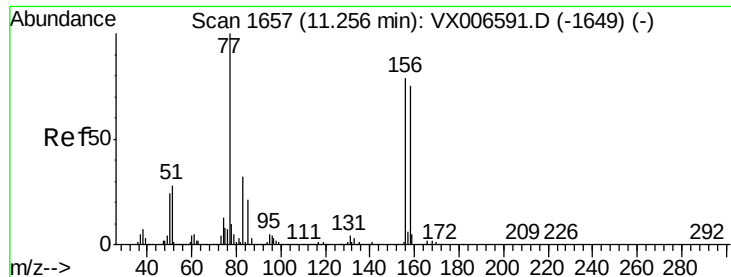
Tgt Ion: 75 Resp: 422712

Ion Ratio Lower Upper

75 100

77 37.8 18.5 55.5





#77

Bromobenzene

Concen: 50.589 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Instrument :

MSVOA_X

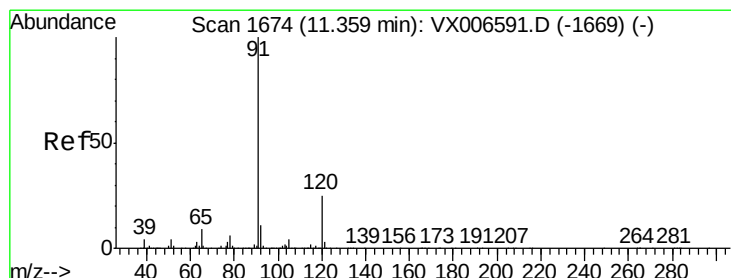
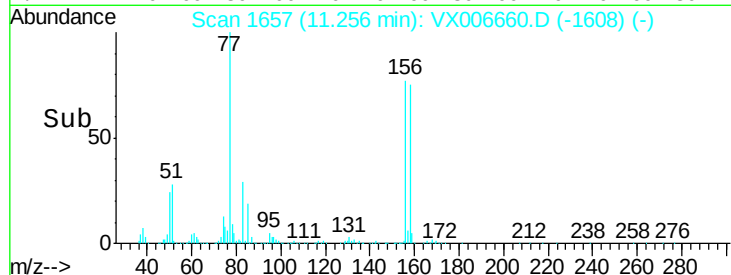
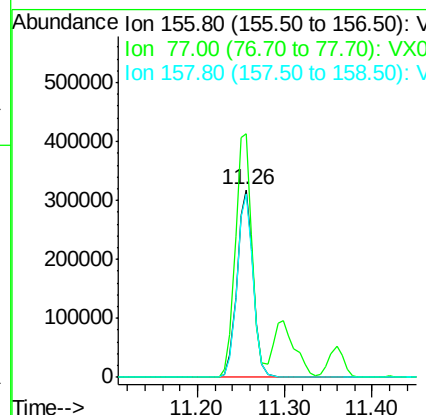
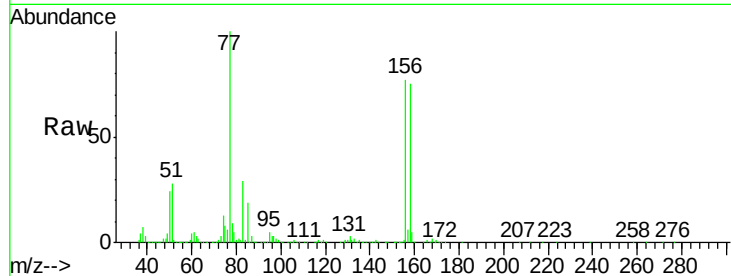
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	409288
Ion Ratio	Lower	Upper	
156	100		
77	136.0	68.0	204.0
158	98.0	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 50.704 ug/l

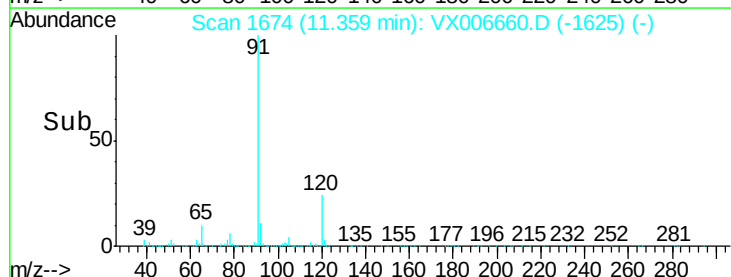
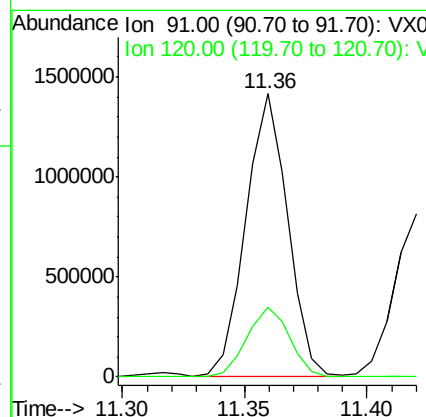
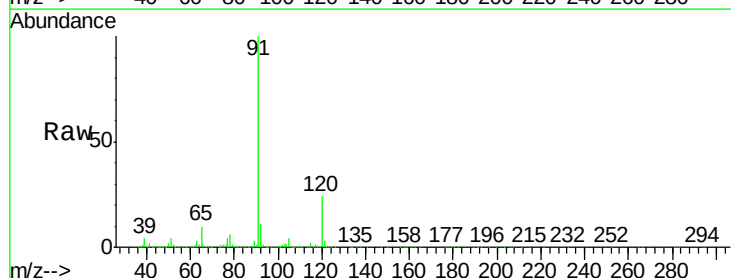
RT: 11.36 min Scan# 1674

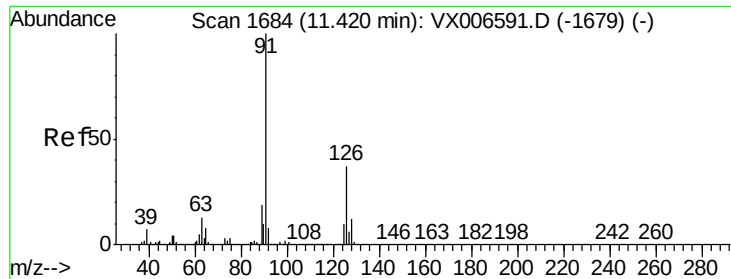
Delta R.T. -0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Tgt Ion:	91	Resp:	1670871
Ion Ratio	Lower	Upper	
91	100		
120	25.2	12.7	38.0





#79

2-Chlorotoluene

Concen: 49.602 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 990570

Ion Ratio Lower Upper

91 100

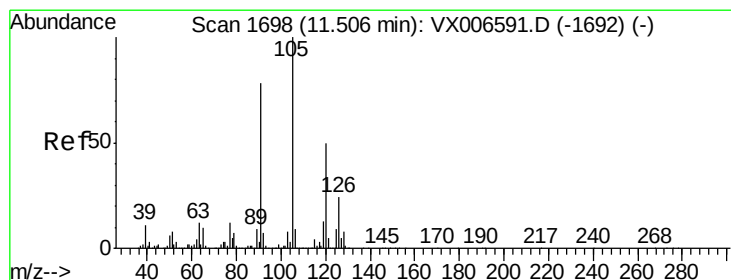
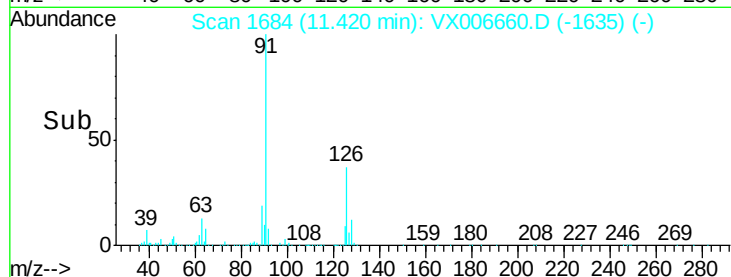
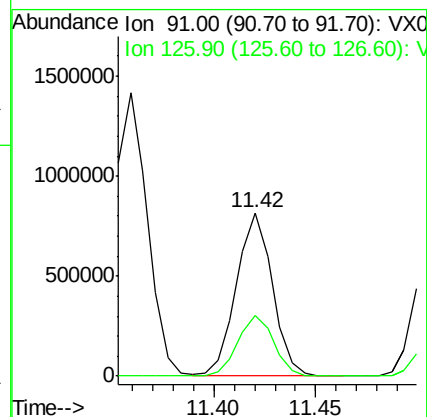
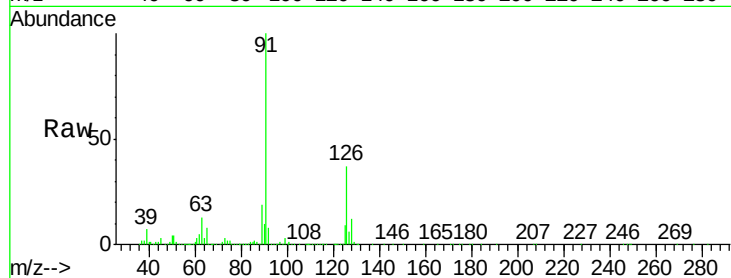
126 37.4 18.6 56.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.483 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006660.D

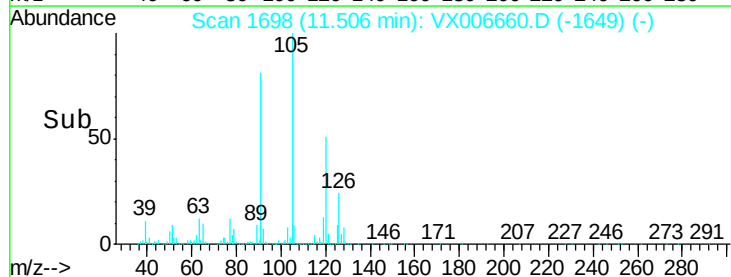
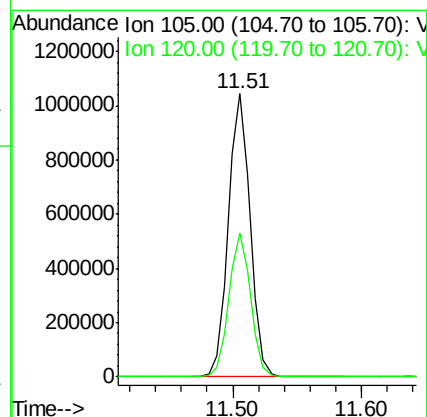
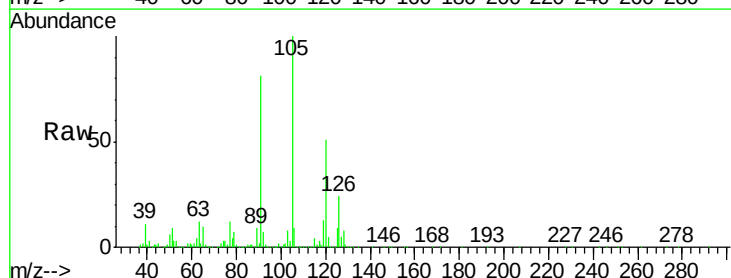
Acq: 20 Dec 2018 01:37

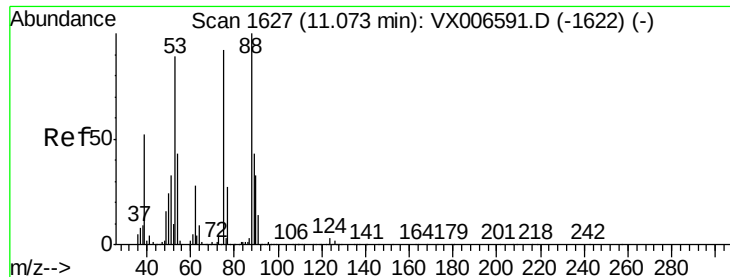
Tgt Ion: 105 Resp: 1244329

Ion Ratio Lower Upper

105 100

120 50.7 25.1 75.3





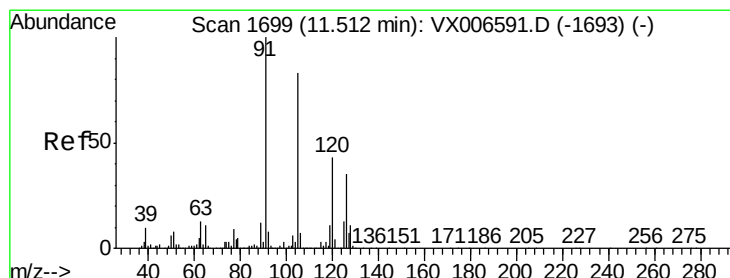
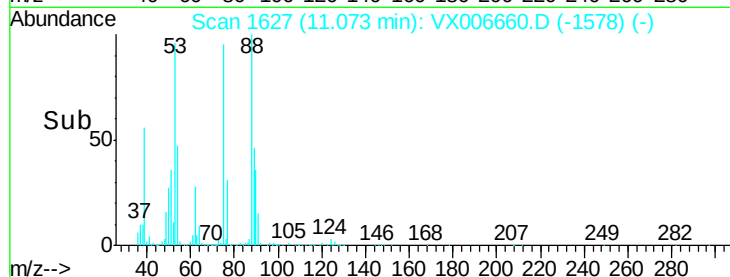
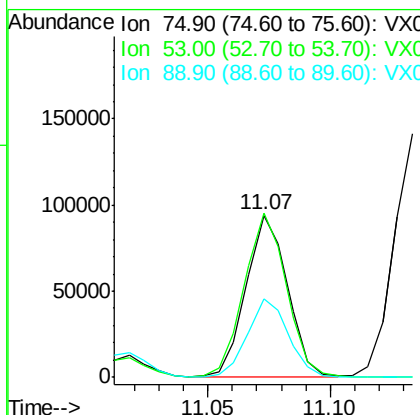
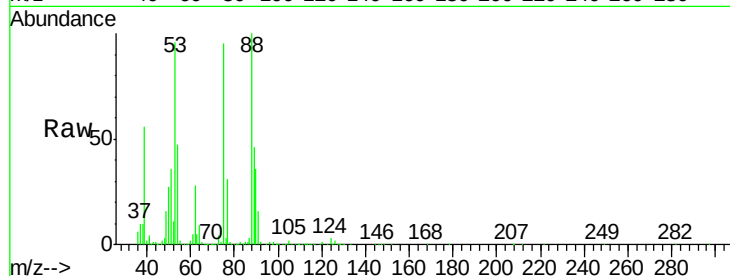
#81
trans-1,4-Dichloro-2-butene
Concen: 42.127 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.2	79.7	119.5
89	48.3	38.0	57.0

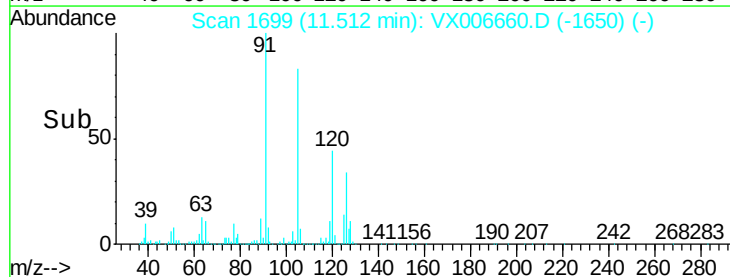
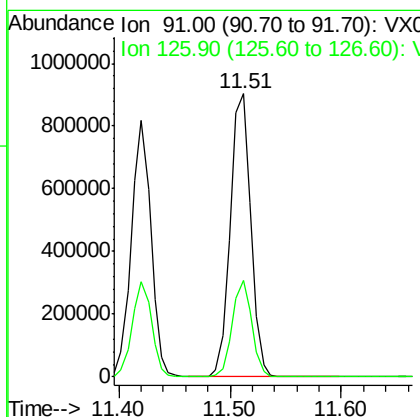
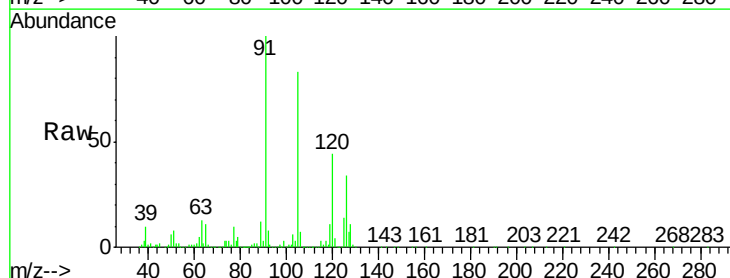
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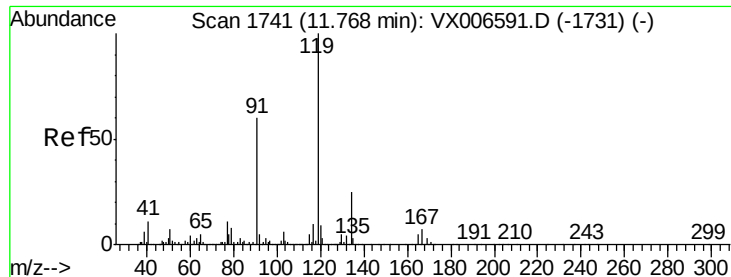
MMDadoda
12/20/2018 10:00:55 AM



#82
4-Chlorotoluene
Concen: 50.382 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.3	48.9





#83

tert-Butylbenzene

Concen: 50.339 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 1241812

Ion Ratio Lower Upper

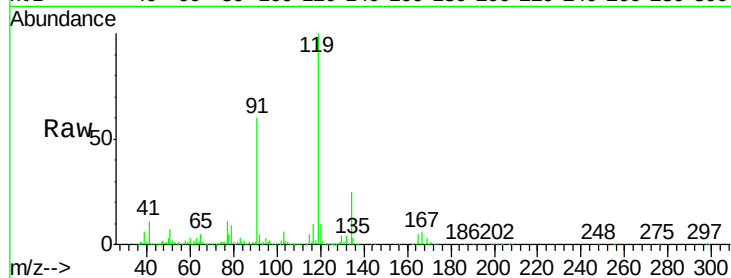
119 100

91 56.7 27.7 83.1

134 24.4 11.9 35.5

Manual Integrations
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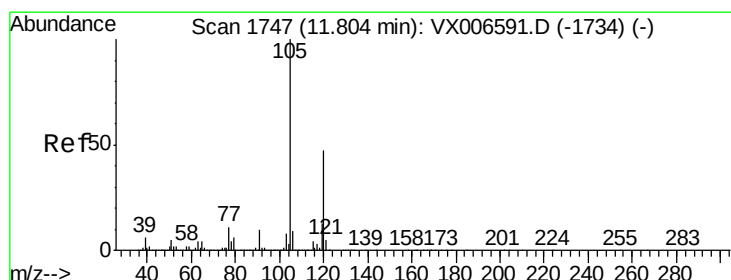
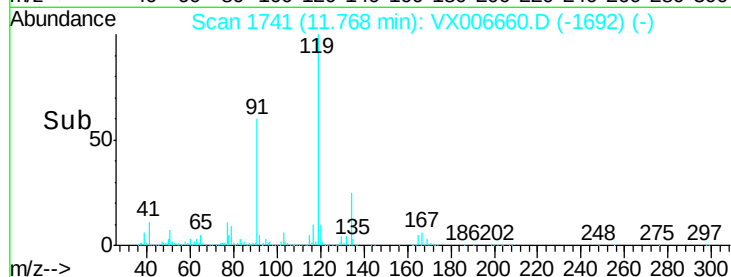
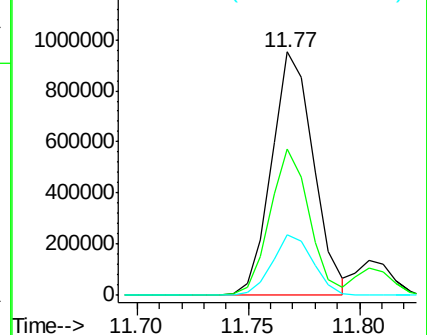
MMDadoda
12/20/2018 10:00:55 AM



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: 49.280 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX006660.D

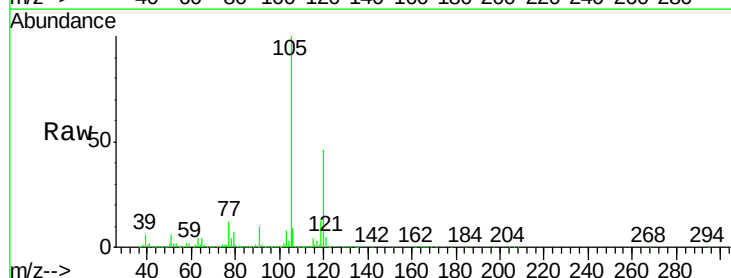
Acq: 20 Dec 2018 01:37

Tgt Ion:105 Resp: 1277637

Ion Ratio Lower Upper

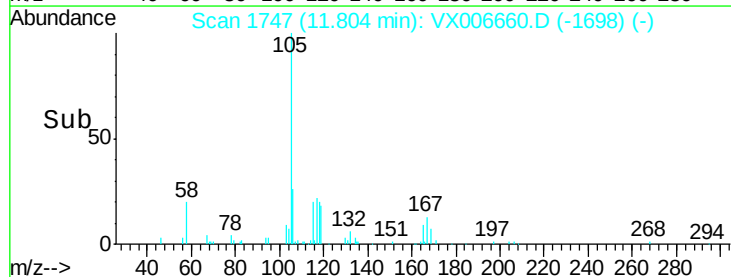
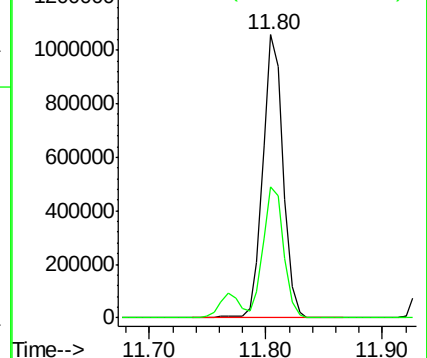
105 100

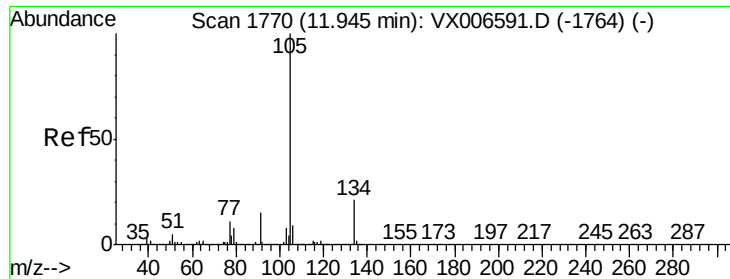
120 46.8 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.411 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1524721

Ion Ratio Lower Upper

105 100

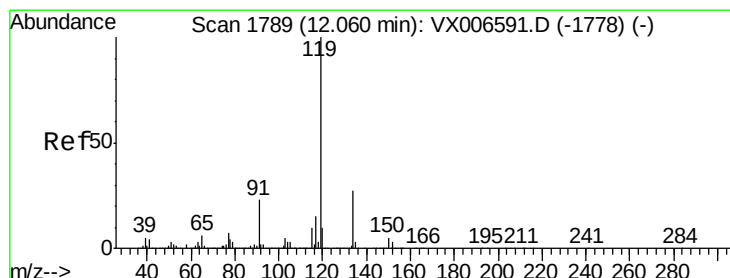
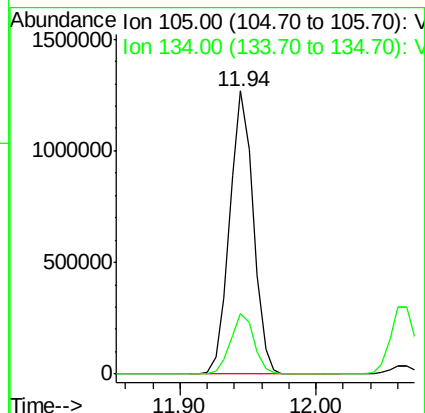
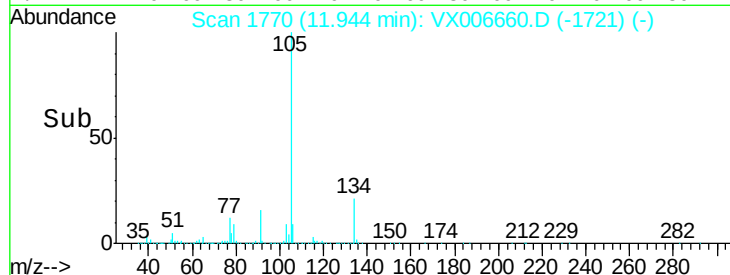
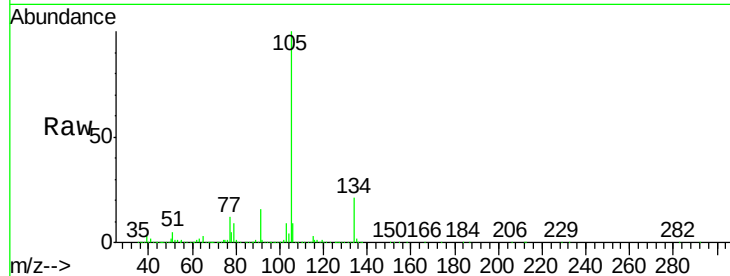
134 21.4 10.7 31.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.282 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

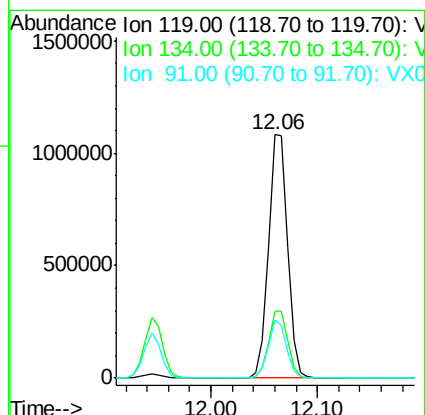
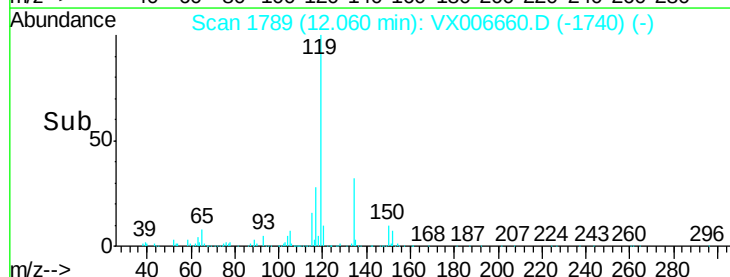
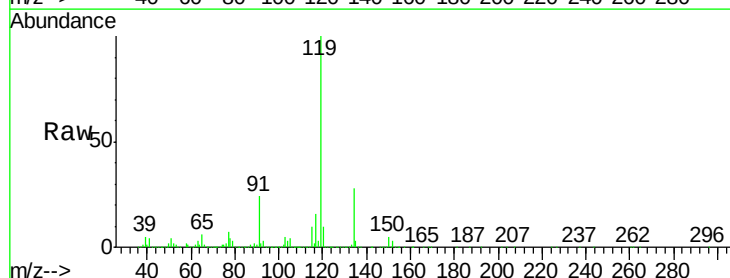
Tgt Ion:119 Resp: 1363441

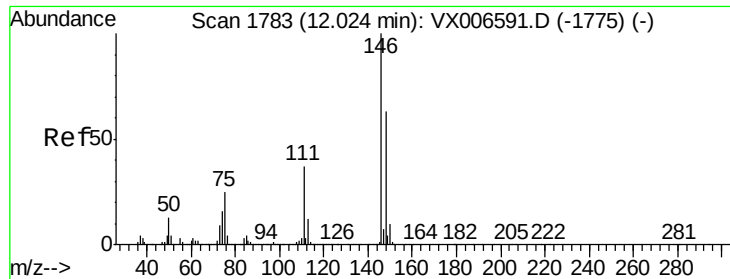
Ion Ratio Lower Upper

119 100

134 27.7 14.0 41.9

91 22.6 11.3 33.9





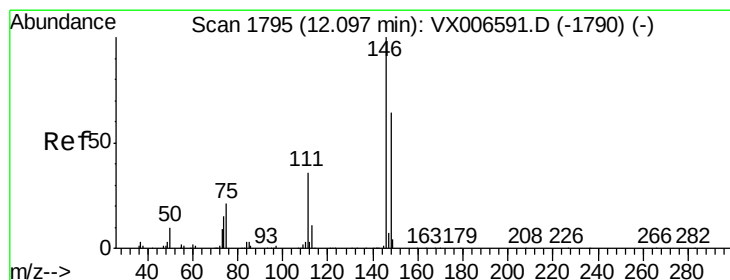
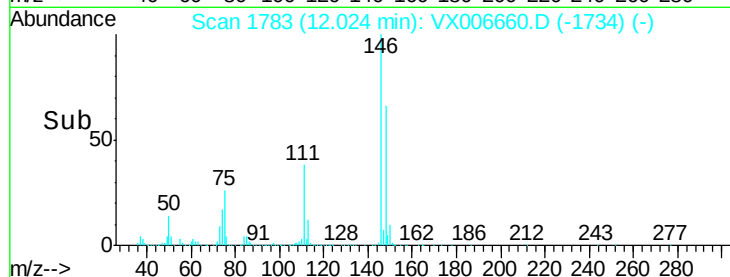
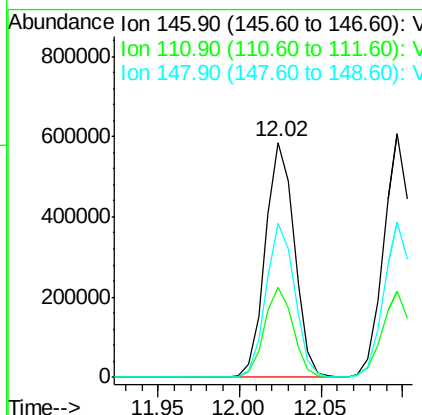
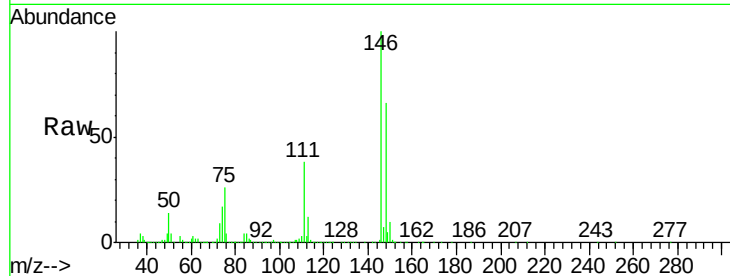
#87
 1,3-Dichlorobenzene
 Concen: 49.717 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006660.D
 Acq: 20 Dec 2018 01:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.6	55.8
148	64.7	31.8	95.3

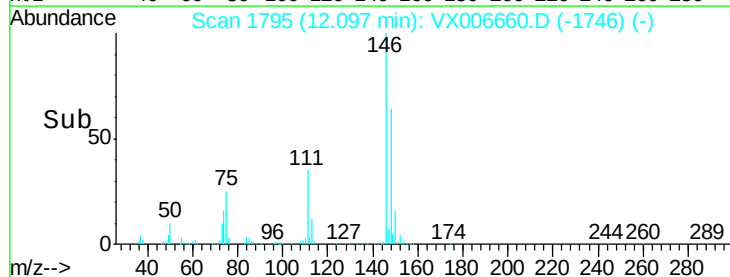
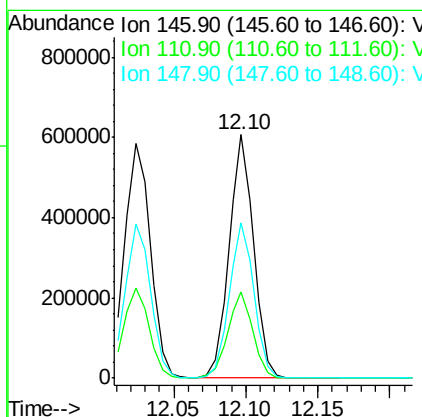
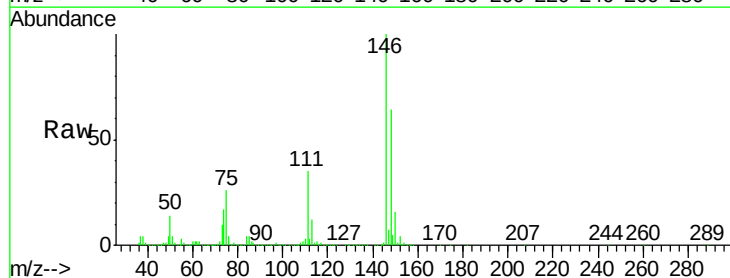
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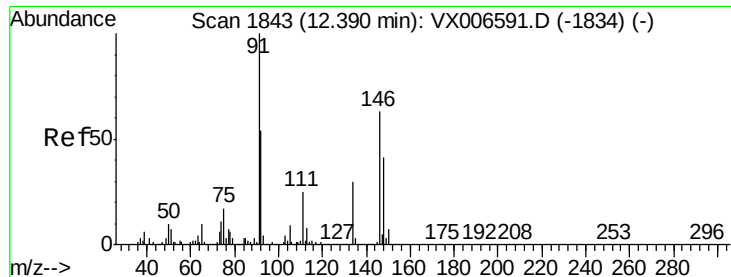
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#88
 1,4-Dichlorobenzene
 Concen: 48.434 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006660.D
 Acq: 20 Dec 2018 01:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.1
148	64.4	31.9	95.9





#89

n-Butylbenzene

Concen: 50.747 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006660.D

Acq: 20 Dec 2018 01:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1148254

Ion Ratio Lower Upper

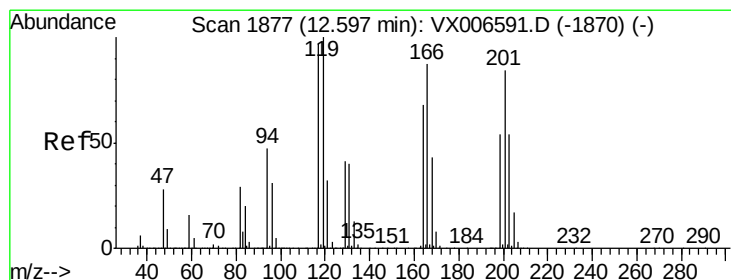
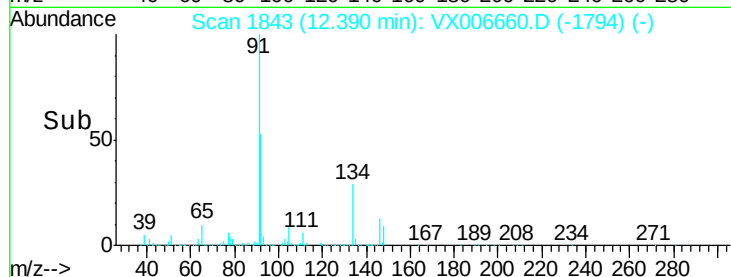
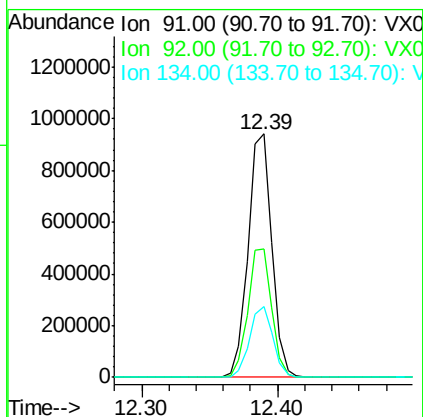
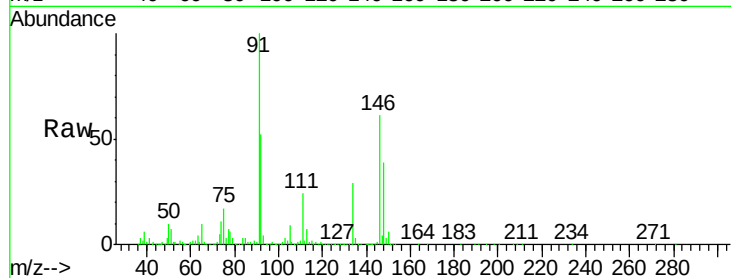
91 100

92 53.0 26.8 80.4

134 28.8 14.4 43.2

Manual Integrations
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12/20/2018 10:00:55 AM



#90

Hexachloroethane

Concen: 48.263 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX006660.D

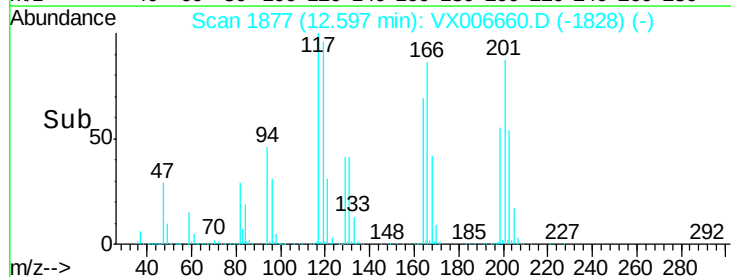
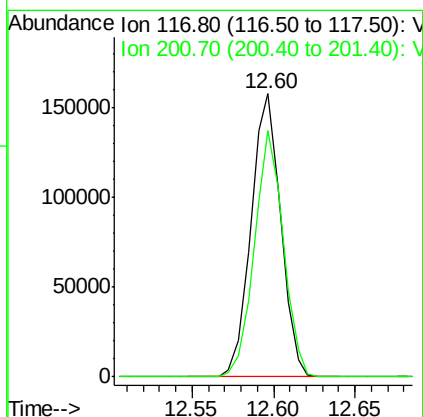
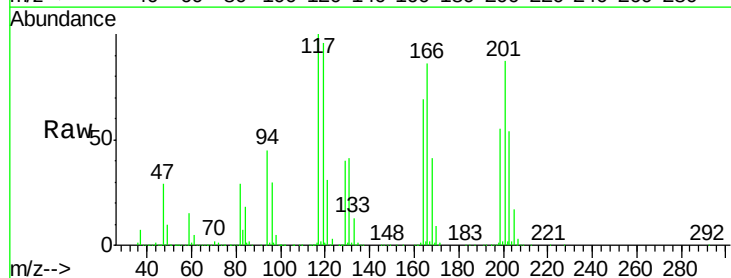
Acq: 20 Dec 2018 01:37

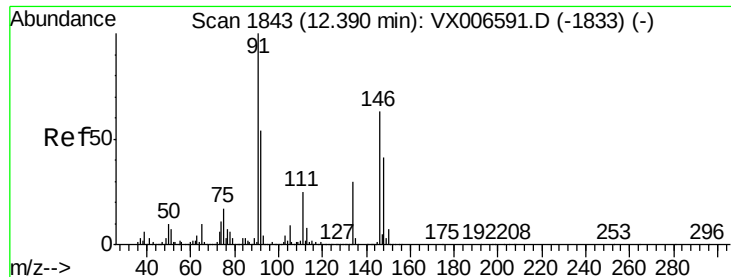
Tgt Ion: 117 Resp: 200315

Ion Ratio Lower Upper

117 100

201 84.6 42.9 128.7





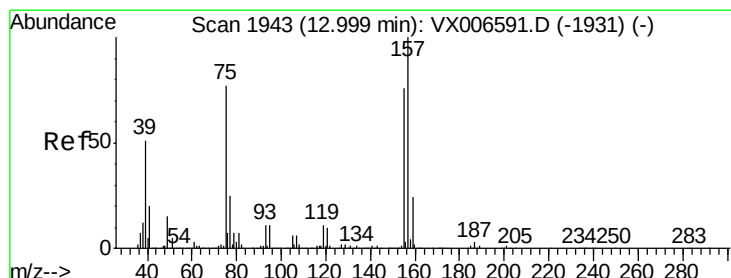
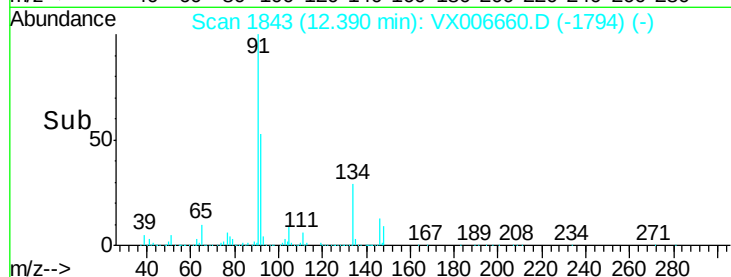
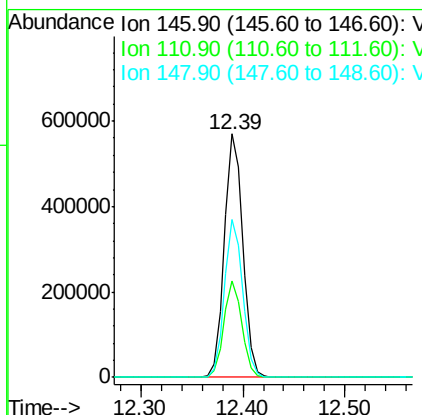
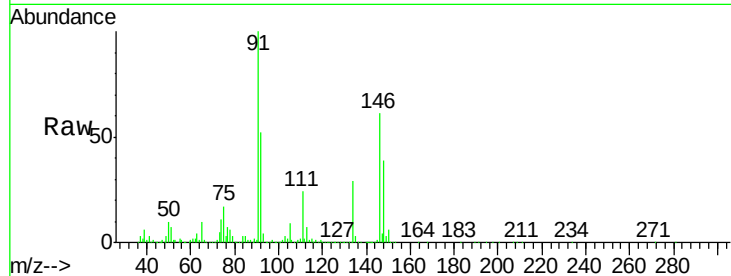
#91
 1,2-Dichlorobenzene
 Concen: 49.178 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006660.D
 Acq: 20 Dec 2018 01:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.2
148	63.8	32.3	96.9

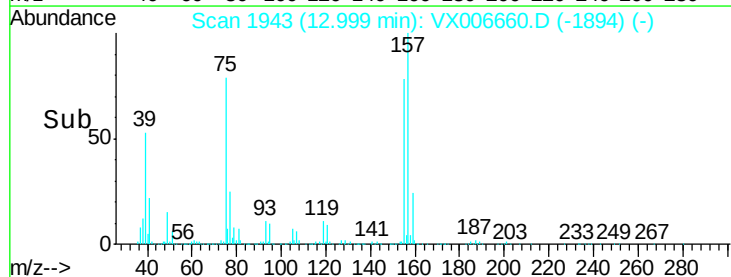
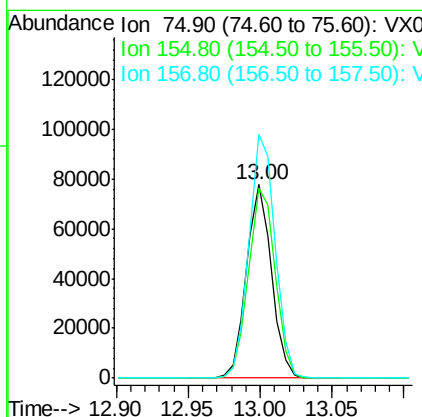
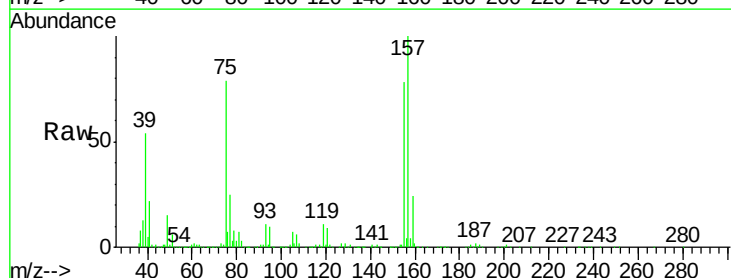
Manual Integrations
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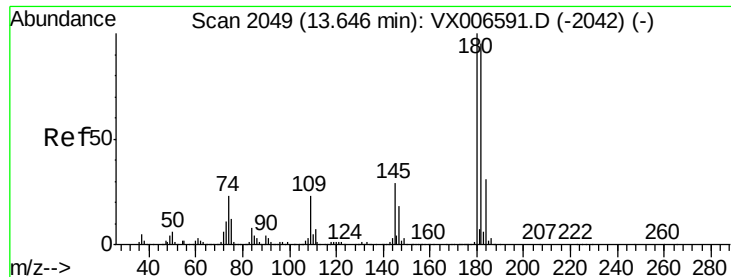
MMDadoda
 12/20/2018 10:00:55 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.463 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006660.D
 Acq: 20 Dec 2018 01:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.9	50.6	151.8
157	131.8	64.6	193.8





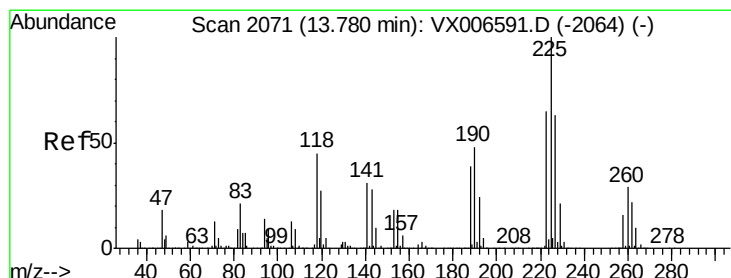
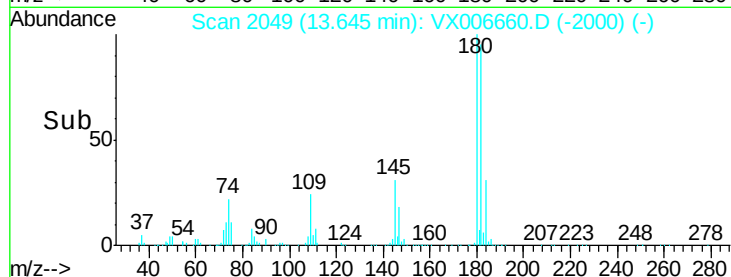
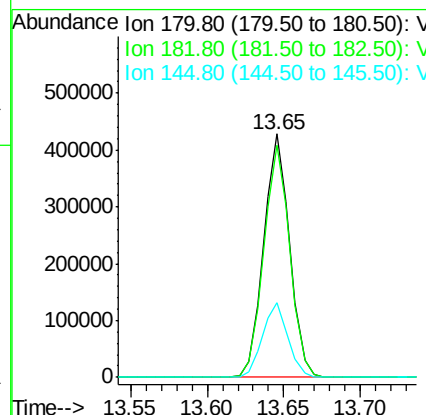
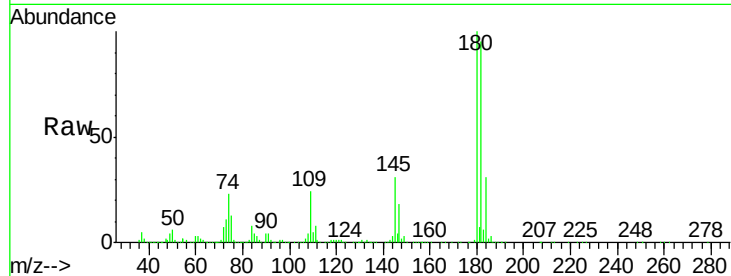
#93
 1,2,4-Trichlorobenzene
 Concen: 50.282 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006660.D
 Acq: 20 Dec 2018 01:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	505905		
182	95.9	47.3	142.0	
145	30.1	14.8	44.3	

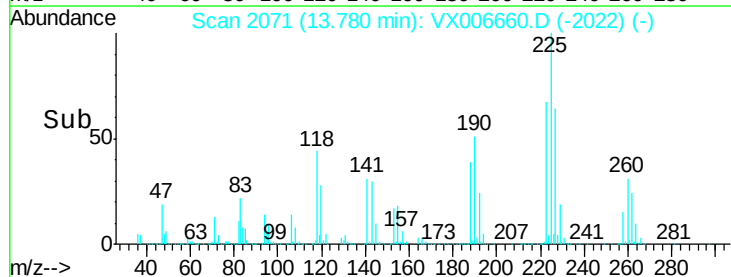
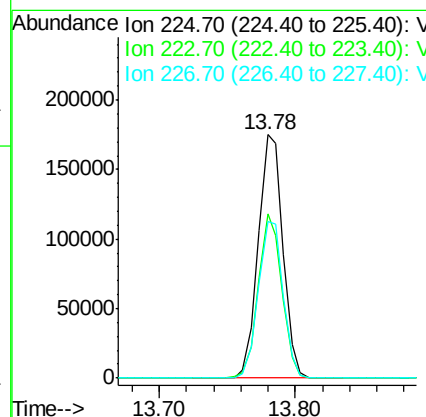
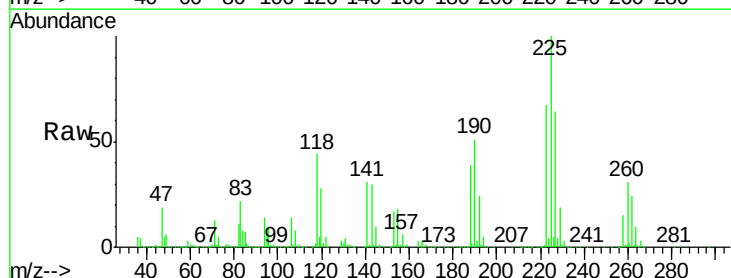
Manual Integrations
 APPROVED

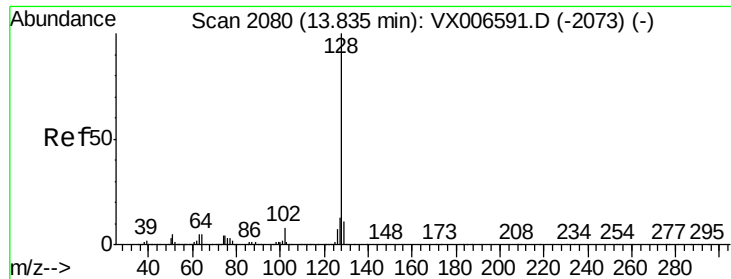
MMDadoda
 12/20/2018 10:00:55 AM



#94
 Hexachlorobutadiene
 Concen: 47.130 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX006660.D
 Acq: 20 Dec 2018 01:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	223508		
223	64.5	32.1	96.3	
227	64.8	32.3	96.8	





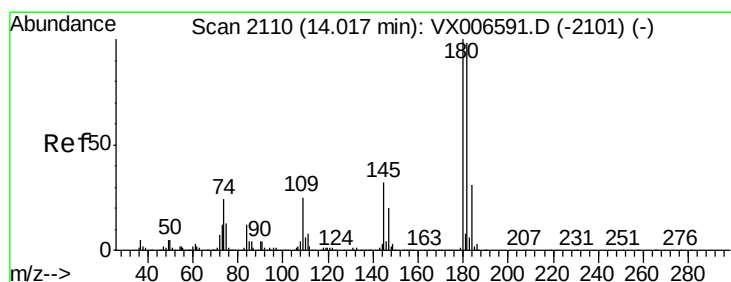
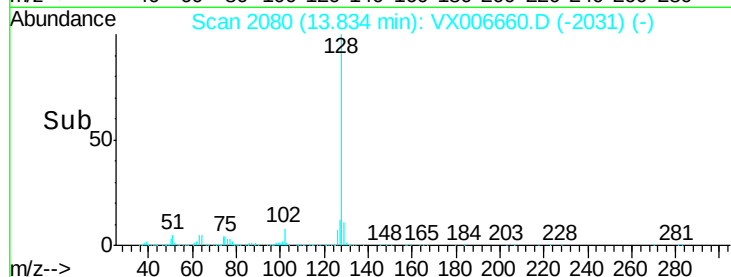
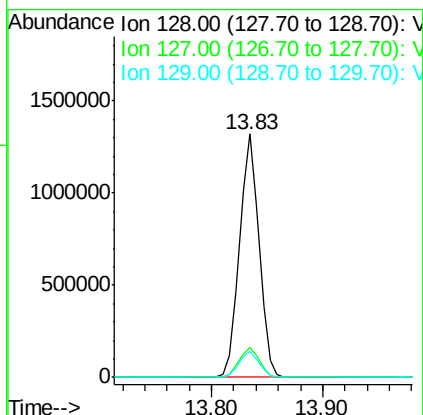
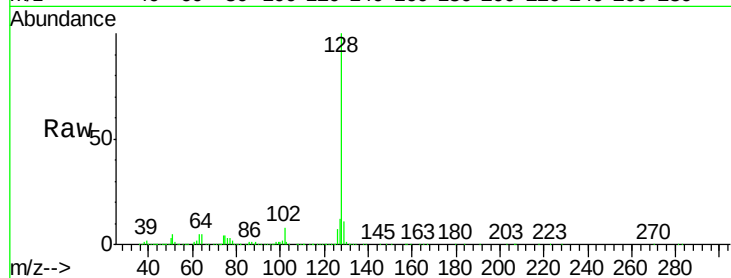
#95
Naphthalene
Concen: 49.872 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/20/2018 10:00:55 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.119 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX006660.D
Acq: 20 Dec 2018 01:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.5	145.5
145	31.1	16.0	47.9

